

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062818\
 Data File : VD059463.D
 Acq On : 28 Jun 2018 15:27
 Operator : VA/AP
 Sample : VD0628SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 29 01:26:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D062518S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 07:29:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	898713	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.70	114	1162935	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.70	117	910590	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	496902	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.02	65	382363	41.60	ug/l	0.00
Spiked Amount			Recovery	=	83.20%	
35) Dibromofluoromethane	5.56	113	407186	42.99	ug/l	0.00
Spiked Amount			Recovery	=	85.98%	
50) Toluene-d8	8.72	98	916873	41.40	ug/l	0.00
Spiked Amount			Recovery	=	82.80%	
62) 4-Bromofluorobenzene	11.94	95	390783	42.43	ug/l	0.00
Spiked Amount			Recovery	=	84.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.34	85	195717	24.477	ug/l	98
3) Chloromethane	1.49	50	97522	23.439	ug/l	100
4) Vinyl Chloride	1.55	62	92507	21.431	ug/l	99
5) Bromomethane	1.80	94	32278	19.896	ug/l	98
6) Chloroethane	1.88	64	36505	18.405	ug/l	90
7) Trichlorofluoromethane	2.09	101	144648	23.240	ug/l	96
8) Diethyl Ether	2.34	74	31373	22.276	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.56	101	93414	24.151	ug/l	97
10) Methyl Iodide	2.70	142	90864	20.112	ug/l	99
11) Tert butyl alcohol	3.28	59	32233	101.378	ug/l #	93
12) 1,1-Dichloroethene	2.55	96	65845	22.236	ug/l	92
13) Acrolein	2.47	56	29711	104.528	ug/l	94
14) Allyl chloride	2.92	41	140174	20.680	ug/l	92
15) Acrylonitrile	3.36	53	99602	102.071	ug/l	97
16) Acetone	2.62	43	133862	115.404	ug/l #	91
17) Carbon Disulfide	2.75	76	194783	21.477	ug/l	97
18) Methyl Acetate	2.94	43	46582	16.851	ug/l #	88
19) Methyl tert-butyl Ether	3.40	73	299851	20.572	ug/l	96
20) Methylene Chloride	3.07	84	78117	22.933	ug/l	92
21) trans-1,2-Dichloroethene	3.40	96	109273	20.870	ug/l	89
22) Diisopropyl ether	4.08	45	571851	22.423	ug/l	93
23) Vinyl Acetate	4.02	43	1552714	116.856	ug/l	98
24) 1,1-Dichloroethane	3.98	63	329830	22.602	ug/l	98
25) 2-Butanone	4.84	43	262089	107.862	ug/l	100
26) 2,2-Dichloropropane	4.80	77	281198	24.848	ug/l	99
27) cis-1,2-Dichloroethene	4.81	96	191849	21.804	ug/l	94
28) Bromochloromethane	5.15	49	138431	21.881	ug/l	93
29) Tetrahydrofuran	5.20	42	130759	98.382	ug/l	95
30) Chloroform	5.33	83	354317	22.276	ug/l	100
31) Cyclohexane	5.60	56	241020	22.917	ug/l	99
32) 1,1,1-Trichloroethane	5.52	97	285905	22.198	ug/l	96
36) 1,1-Dichloropropene	5.75	75	236654	22.433	ug/l	98
37) Ethyl Acetate	4.94	43	125163	19.482	ug/l	99
38) Carbon Tetrachloride	5.74	117	245734	22.593	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.29	83	236022	23.589	ug/l	96
40) Benzene	6.02	78	584417	23.085	ug/l	98
41) Methacrylonitrile	5.14	41	64238	20.759	ug/l	93
42) 1,2-Dichloroethane	6.14	62	231689	20.712	ug/l	98
43) Isopropyl Acetate	7.63	43	162593	20.153	ug/l #	96
44) Trichloroethene	6.99	130	181958	21.951	ug/l	97
45) 1,2-Dichloropropane	7.36	63	150244	21.428	ug/l	99
46) Dibromomethane	7.47	93	106896	21.199	ug/l	96
47) Bromodichloromethane	7.76	83	250163	22.171	ug/l	99
48) Methyl methacrylate	7.52	41	101190	20.586	ug/l	98
49) 1,4-Dioxane	7.50	88	21061	427.228	ug/l	88
51) 4-Methyl-2-Pentanone	8.61	43	542305	100.870	ug/l	98
52) Toluene	8.82	92	329038	21.762	ug/l	99
53) t-1,3-Dichloropropene	9.20	75	216628	22.975	ug/l	99
54) cis-1,3-Dichloropropene	8.38	75	245413	22.479	ug/l	97
55) 1,1,2-Trichloroethane	9.47	97	116713	21.262	ug/l	95
56) Ethyl methacrylate	9.32	69	131156	20.939	ug/l	94
57) 1,3-Dichloropropane	9.68	76	201332	22.426	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.20	63	337869	104.779	ug/l	95
59) 2-Hexanone	9.80	43	404813	105.942	ug/l	98
60) Dibromochloromethane	9.97	129	161199	20.970	ug/l	92
61) 1,2-Dibromoethane	10.11	107	127983	20.937	ug/l	94
64) Tetrachloroethene	9.53	164	167058	20.913	ug/l	90
65) Chlorobenzene	10.74	112	361052	21.684	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.86	131	150316	23.519	ug/l	96
67) Ethyl Benzene	10.87	91	671486	23.900	ug/l	99
68) m/p-Xylenes	11.02	106	448636	48.128	ug/l	91
69) o-Xylene	11.42	106	218935	23.756	ug/l	100
70) Styrene	11.45	104	373212	23.625	ug/l	96
71) Bromoform	11.61	173	111895	21.133	ug/l #	93
73) Isopropylbenzene	11.78	105	601387	21.447	ug/l	99
74) N-amyl acetate	11.65	43	215134	20.165	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.09	83	133996	20.369	ug/l	92
76) 1,2,3-Trichloropropane	12.13	75	142544	20.797	ug/l	96
77) Bromobenzene	12.05	156	187638	21.261	ug/l	98
78) n-propylbenzene	12.17	91	824613	23.219	ug/l	98
79) 2-Chlorotoluene	12.22	91	459061	22.011	ug/l	98
80) 1,3,5-Trimethylbenzene	12.33	105	476262	21.335	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.85	75	34939	22.428	ug/l	84
82) 4-Chlorotoluene	12.33	91	507853	21.474	ug/l	100
83) tert-Butylbenzene	12.59	119	567878	23.915	ug/l	96
84) 1,2,4-Trimethylbenzene	12.64	105	536541	22.711	ug/l	99
85) sec-Butylbenzene	12.77	105	638597	21.916	ug/l	97
86) p-Isopropyltoluene	12.89	119	547904	23.329	ug/l	98
87) 1,3-Dichlorobenzene	12.85	146	339235	23.364	ug/l	98
88) 1,4-Dichlorobenzene	12.93	146	323116	22.551	ug/l	98
89) n-Butylbenzene	13.21	91	558857	24.107	ug/l	98
90) Hexachloroethane	13.41	117	134616	22.974	ug/l	94
91) 1,2-Dichlorobenzene	13.20	146	281052	22.830	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.78	75	21195	19.539	ug/l	97

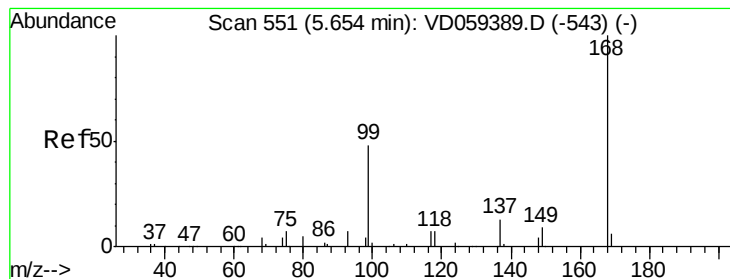
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.35	180	266343	23.401	ug/l	96
94) Hexachlorobutadiene	14.45	225	195674	22.847	ug/l	99
95) Naphthalene	14.53	128	336025	21.184	ug/l	98
96) 1,2,3-Trichlorobenzene	14.67	180	236874	23.147	ug/l	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 551

Delta R.T. -0.00 min

Lab File: VD059463.D

Acq: 28 Jun 2018 15:27

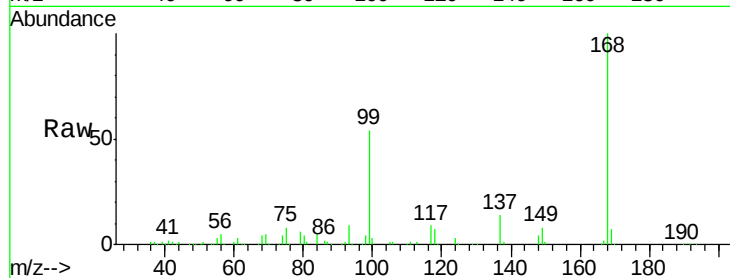
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 898713

Ion Ratio Lower Upper

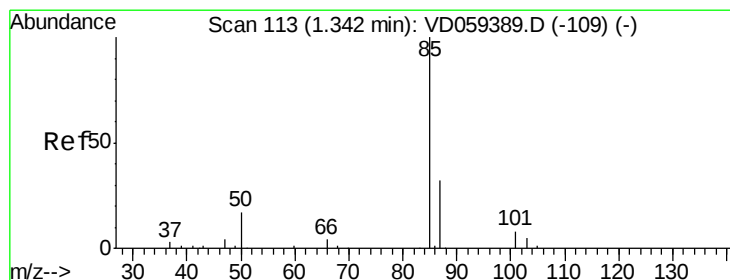
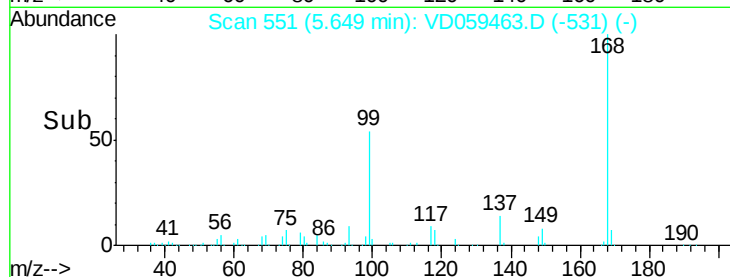
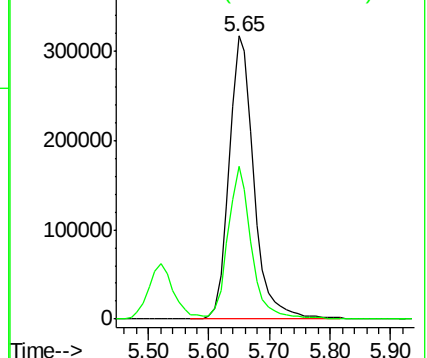
168 100

99 53.8 41.0 61.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 24.477 ug/l

RT: 1.34 min Scan# 113

Delta R.T. -0.00 min

Lab File: VD059463.D

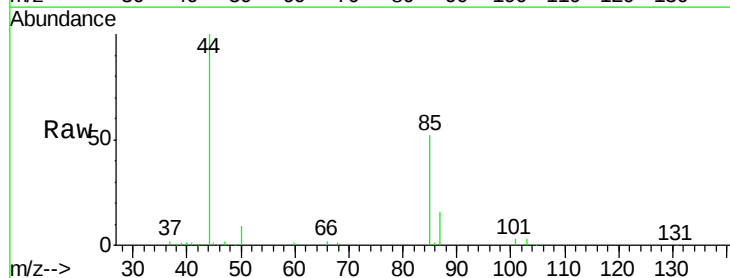
Acq: 28 Jun 2018 15:27

Tgt Ion: 85 Resp: 195717

Ion Ratio Lower Upper

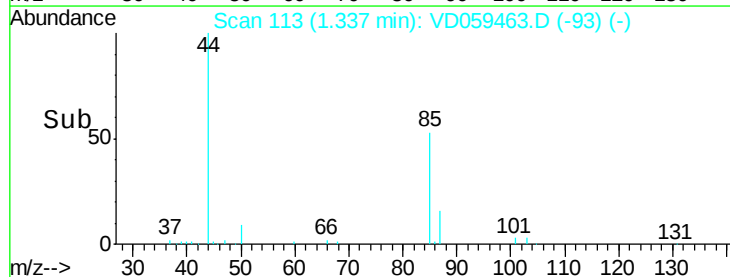
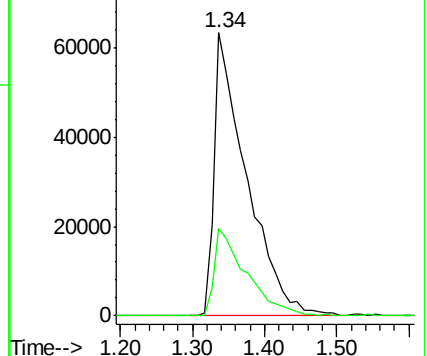
85 100

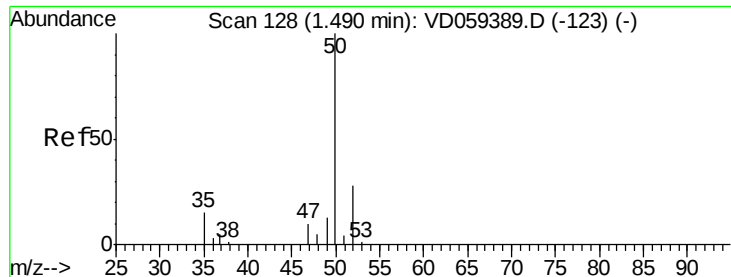
87 31.1 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 23.439 ug/l

RT: 1.49 min Scan# 129

Delta R.T. 0.00 min

Lab File: VD059463.D

Acq: 28 Jun 2018 15:27

Instrument :

MSVOA_D

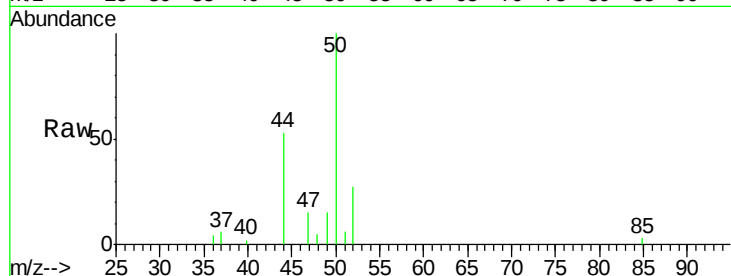
ClientSampleId :

Tot Ion: 50 Resp: 97522

Ion Ratio Lower Upper

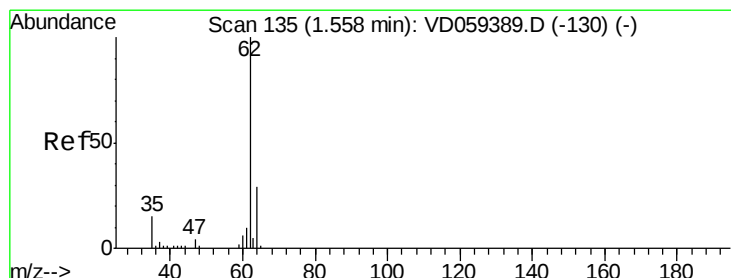
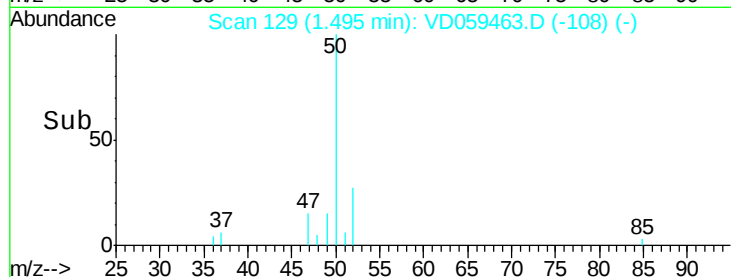
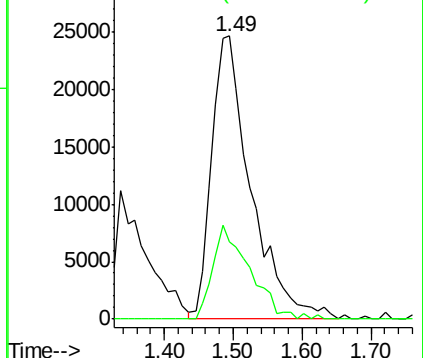
50 100

52 27.1 21.8 32.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.431 ug/l

RT: 1.55 min Scan# 135

Delta R.T. -0.00 min

Lab File: VD059463.D

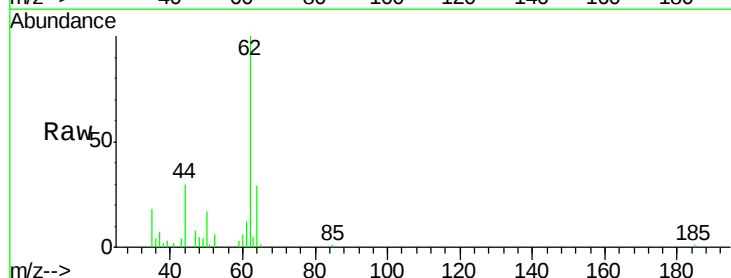
Acq: 28 Jun 2018 15:27

Tgt Ion: 62 Resp: 92507

Ion Ratio Lower Upper

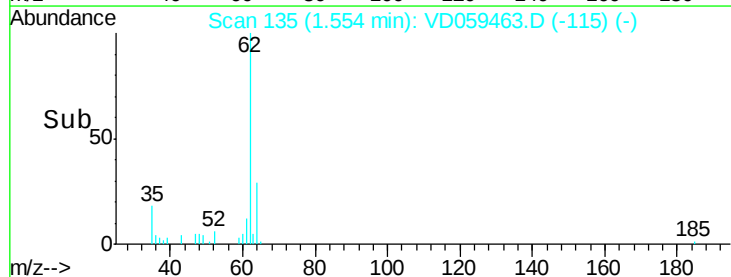
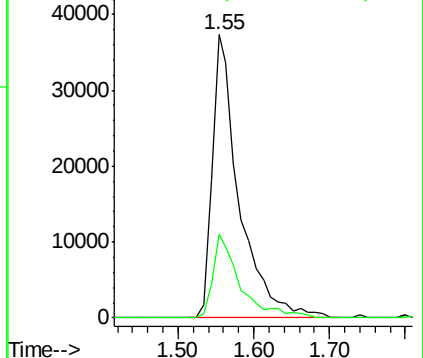
62 100

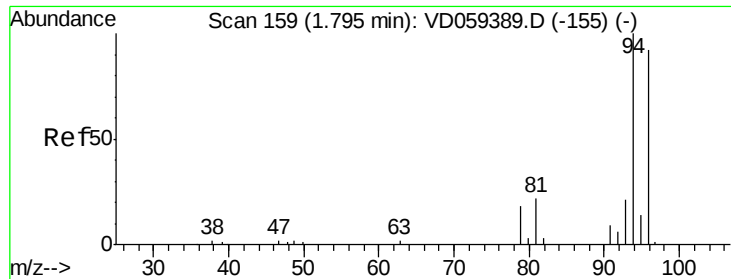
64 29.4 23.0 34.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

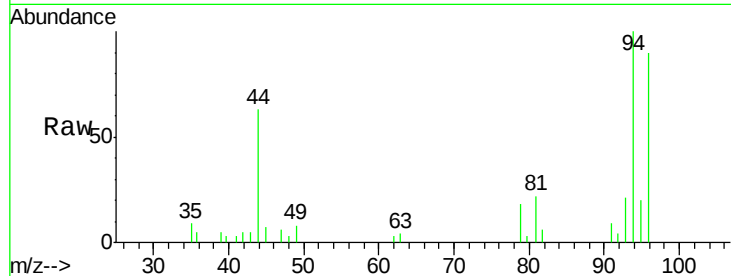




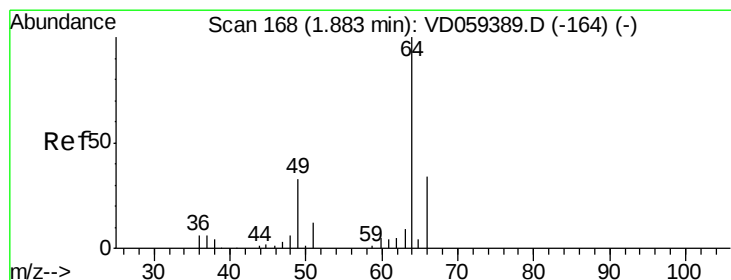
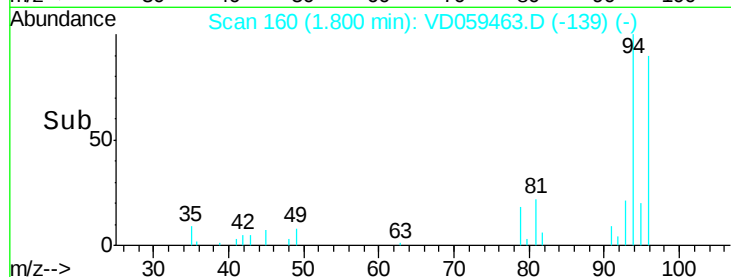
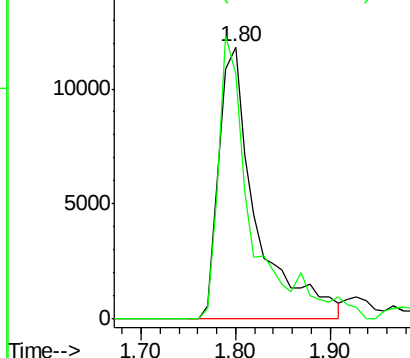
#5
Bromomethane
Concen: 19.896 ug/l
RT: 1.80 min Scan# 160
Delta R.T. 0.01 min
Lab File: VD059463.D
Acq: 28 Jun 2018 15:27

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 94 Resp: 32278
Ion Ratio Lower Upper
94 100
96 90.1 73.4 110.0

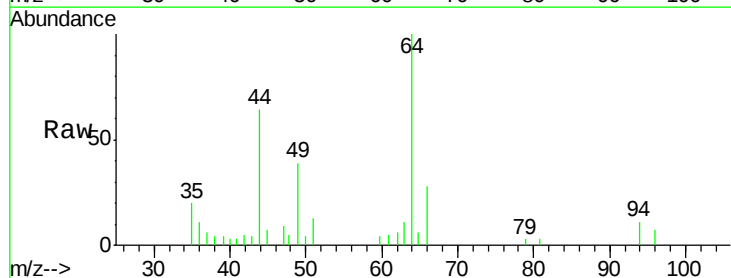


Abundance Ion 93.90 (93.60 to 94.60): VDC
Ion 95.90 (95.60 to 96.60): VDC

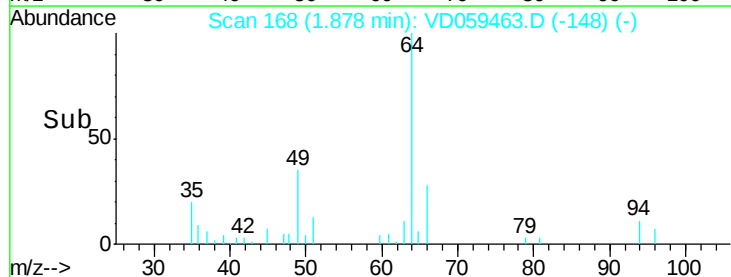
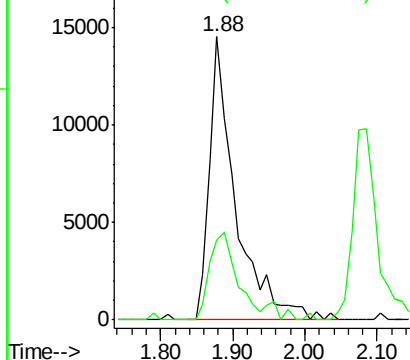


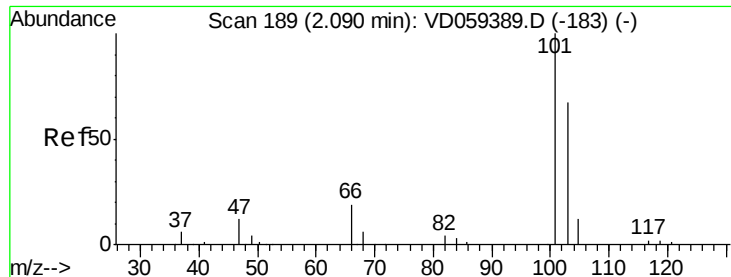
#6
Chloroethane
Concen: 18.405 ug/l
RT: 1.88 min Scan# 168
Delta R.T. -0.00 min
Lab File: VD059463.D
Acq: 28 Jun 2018 15:27

Tgt Ion: 64 Resp: 36505
Ion Ratio Lower Upper
64 100
66 28.2 27.1 40.7



Abundance Ion 63.95 (63.65 to 64.65): VDC
Ion 65.90 (65.60 to 66.60): VDC



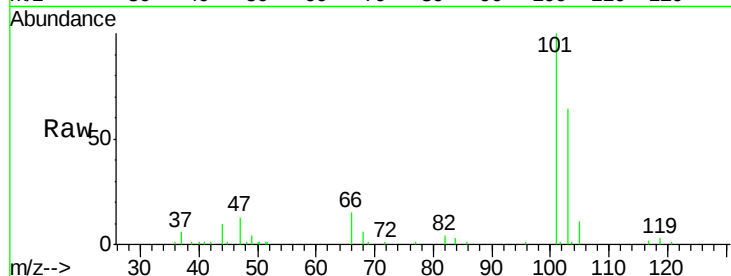


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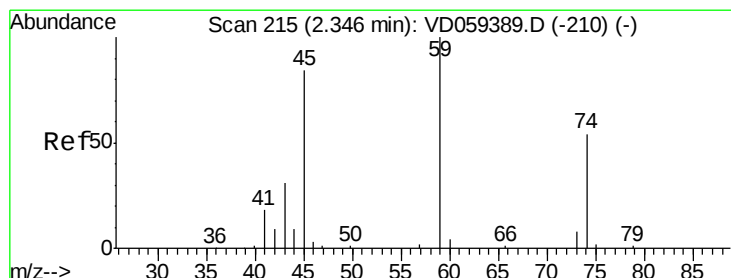
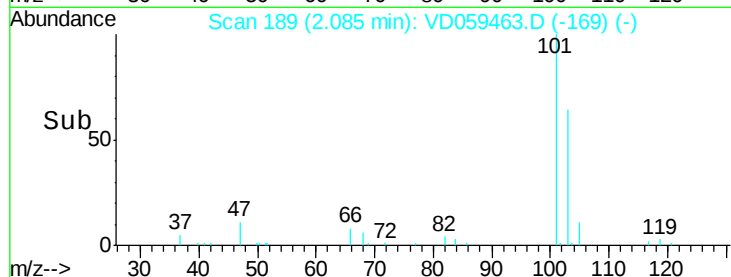
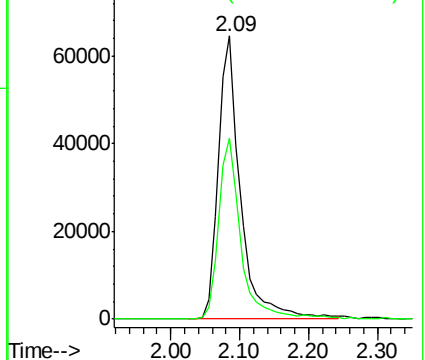
Trichlorofluoromethane
 Concen: 23.240 ug/l
 RT: 2.09 min Scan# 189
 Delta R.T. -0.00 min
 Lab File: VD059463.D
 Acq: 28 Jun 2018 15:27

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:101 Resp: 144648
 Ion Ratio Lower Upper
 101 100
 103 63.8 53.4 80.0



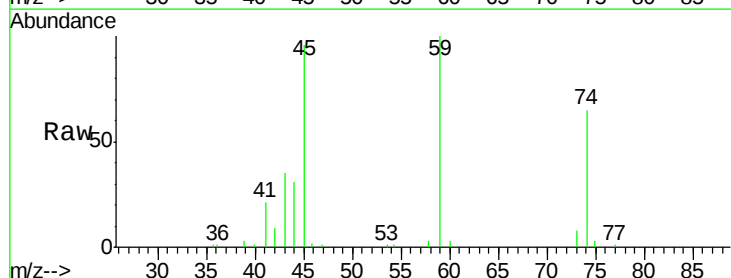
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



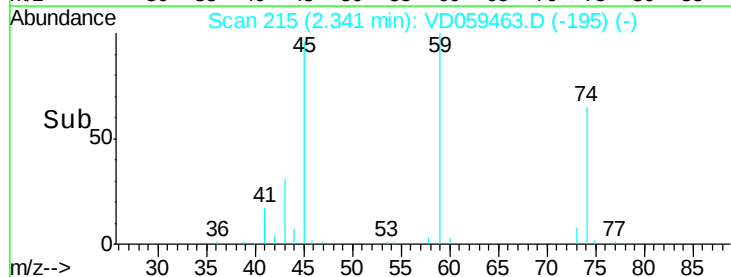
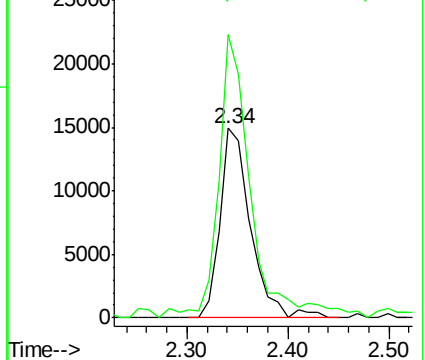
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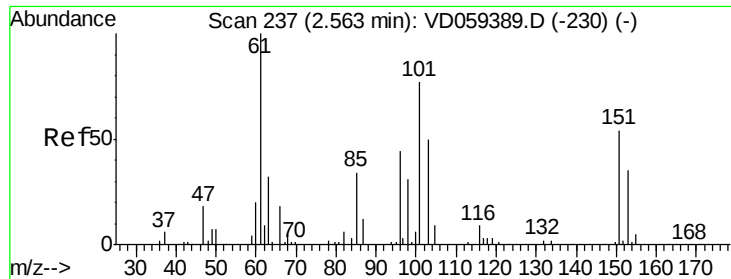
Diethyl Ether
 Concen: 22.276 ug/l
 RT: 2.34 min Scan# 215
 Delta R.T. -0.00 min
 Lab File: VD059463.D
 Acq: 28 Jun 2018 15:27

Tgt Ion: 74 Resp: 31373
 Ion Ratio Lower Upper
 74 100
 45 149.4 78.0 233.8



Abundance Ion 74.00 (73.70 to 74.70): VDC
 Ion 45.05 (44.75 to 45.75): VDC

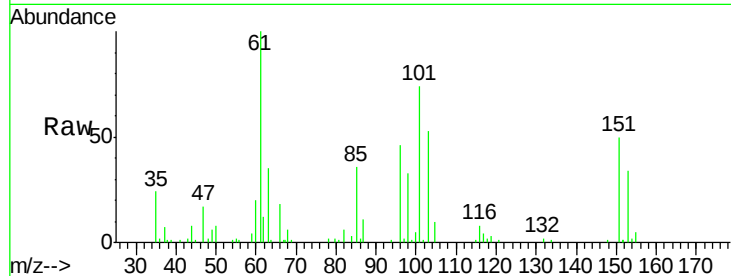




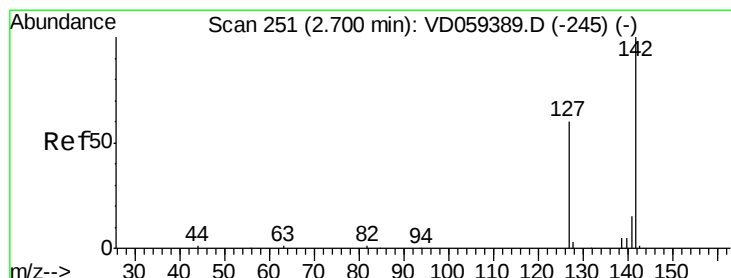
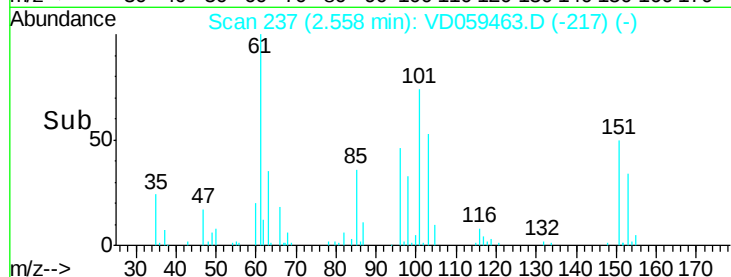
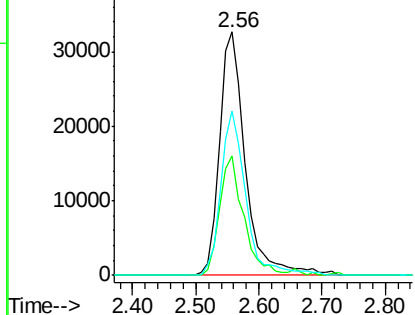
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 24.151 ug/l
 RT: 2.56 min Scan# 237
 Delta R.T. -0.00 min
 Lab File: VD059463.D
 Acq: 28 Jun 2018 15:27

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:101 Resp: 93414
 Ion Ratio Lower Upper
 101 100
 85 49.1 35.7 53.5
 151 69.1 55.8 83.8

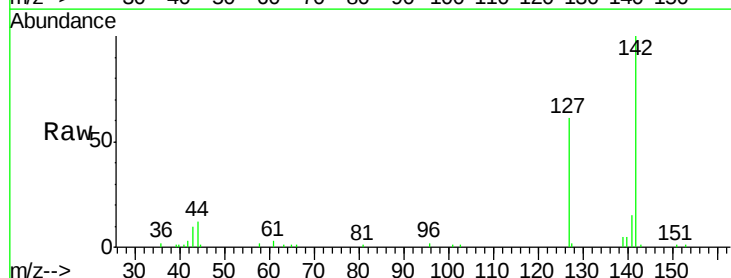


Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 84.95 (84.65 to 85.65): V
 Ion 150.90 (150.60 to 151.60): V

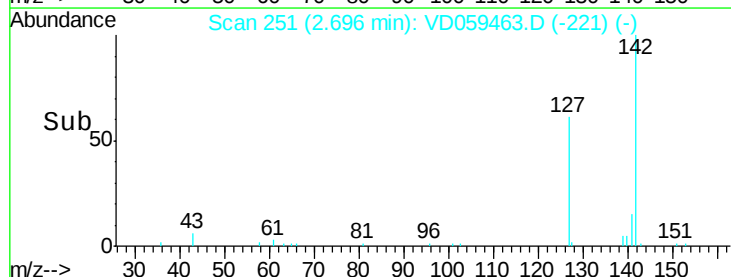
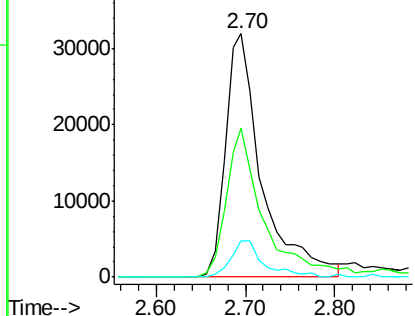


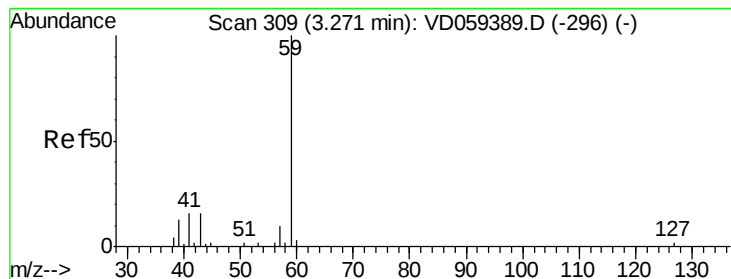
#10
 Methyl Iodide
 Concen: 20.112 ug/l
 RT: 2.70 min Scan# 251
 Delta R.T. -0.00 min
 Lab File: VD059463.D
 Acq: 28 Jun 2018 15:27

Tgt Ion:142 Resp: 90864
 Ion Ratio Lower Upper
 142 100
 127 61.3 48.4 72.6
 141 14.7 12.1 18.1



Abundance Ion 141.85 (141.55 to 142.55): V
 Ion 126.80 (126.50 to 127.50): V
 Ion 140.85 (140.55 to 141.55): V



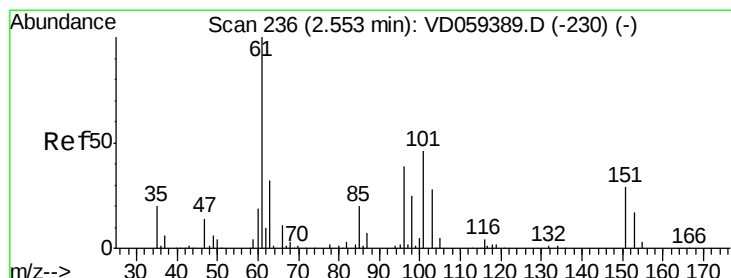
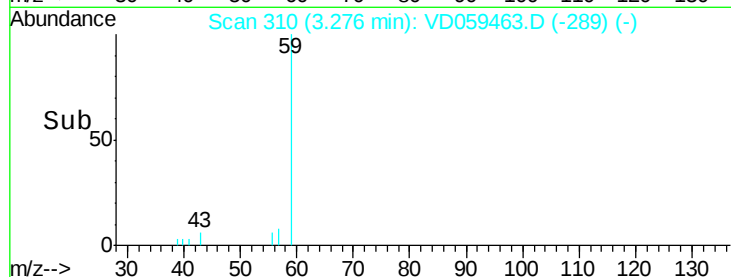
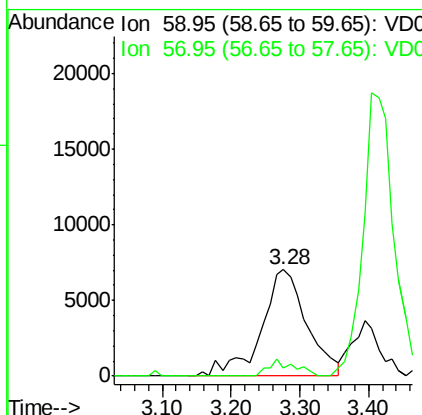
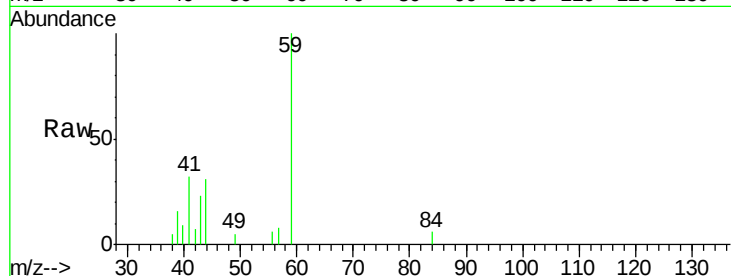


#11

Tert butyl alcohol
Concen: 101.378 ug/l
RT: 3.28 min Scan# 310
Delta R.T. 0.00 min
Lab File: VD059463.D
Acq: 28 Jun 2018 15:27

Instrument :
MSVOA_D
ClientSampled :

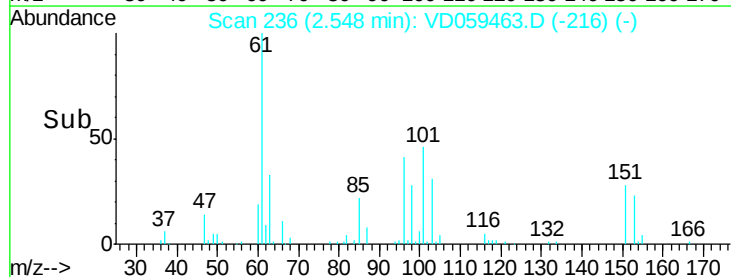
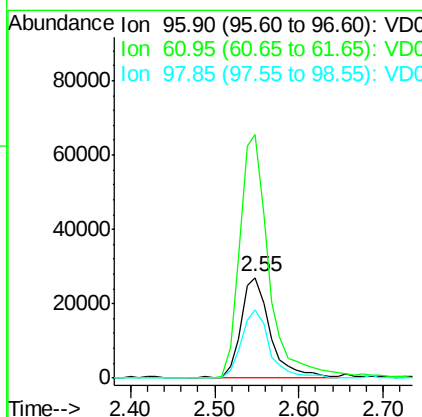
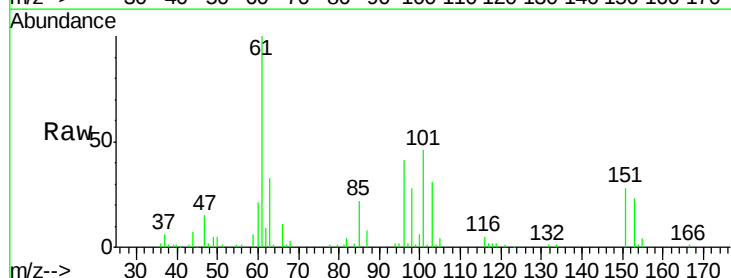
Tot Ion: 59 Resp: 32233
Ion Ratio Lower Upper
59 100
57 7.8 8.3 12.5#

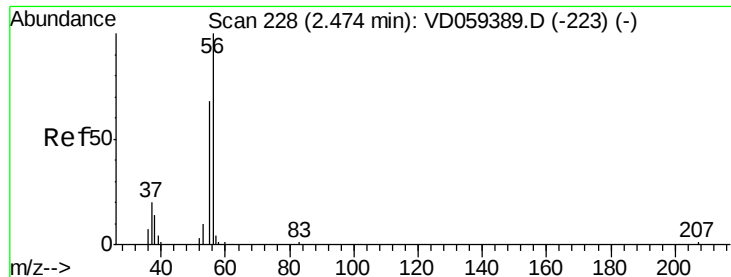


#12

1,1-Dichloroethene
Concen: 22.236 ug/l
RT: 2.55 min Scan# 236
Delta R.T. -0.00 min
Lab File: VD059463.D
Acq: 28 Jun 2018 15:27

Tgt Ion: 96 Resp: 65845
Ion Ratio Lower Upper
96 100
61 242.4 205.4 308.0
98 68.1 51.0 76.4





#13

Acrolein

Concen: 104.528 ug/l

RT: 2.47 min Scan# 228

Delta R.T. -0.00 min

Lab File: VD059463.D

Acq: 28 Jun 2018 15:27

Instrument :

MSVOA_D

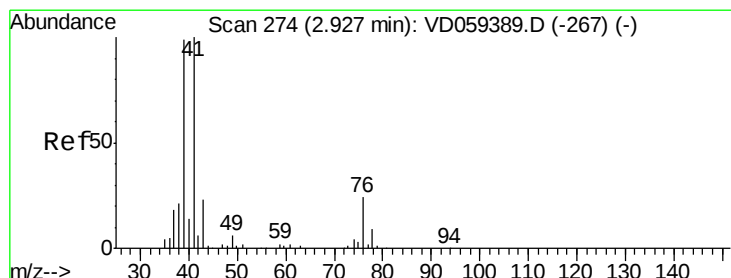
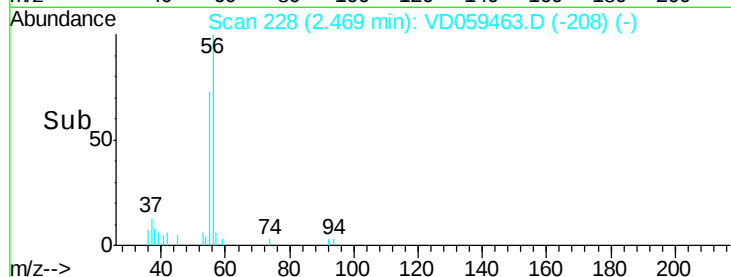
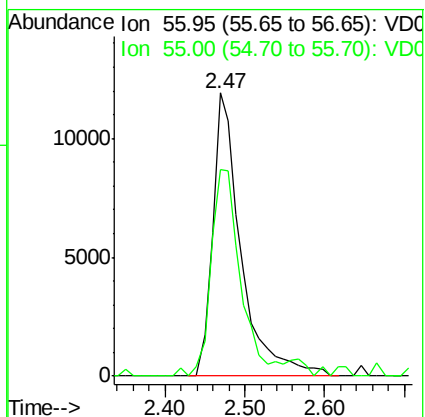
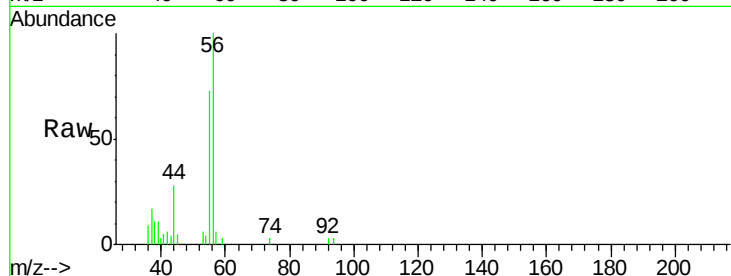
ClientSampleId :

Tot Ion: 56 Resp: 29711

Ion Ratio Lower Upper

56 100

55 72.9 54.6 82.0



#14

Allyl chloride

Concen: 20.680 ug/l

RT: 2.92 min Scan# 274

Delta R.T. -0.00 min

Lab File: VD059463.D

Acq: 28 Jun 2018 15:27

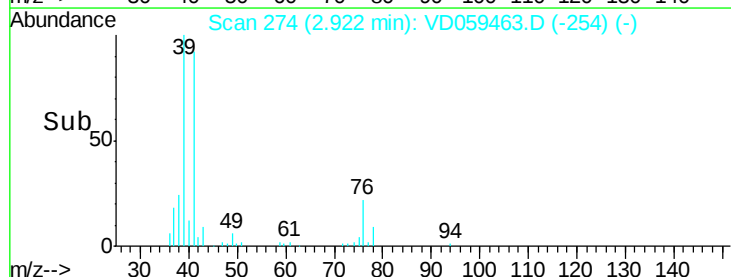
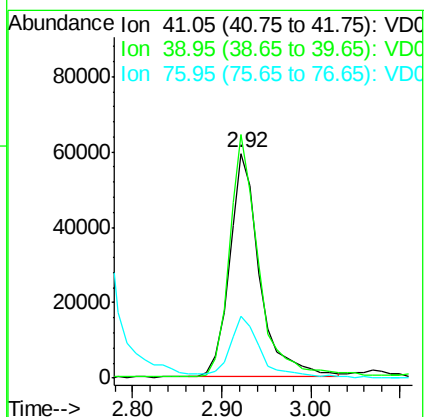
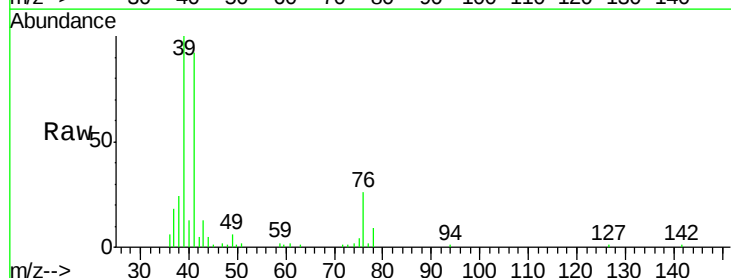
Tgt Ion: 41 Resp: 140174

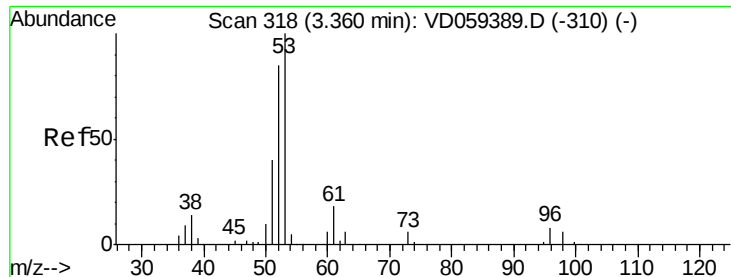
Ion Ratio Lower Upper

41 100

39 108.5 79.1 118.7

76 27.7 21.9 32.9

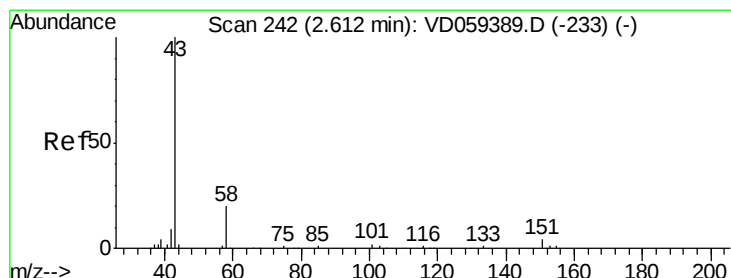
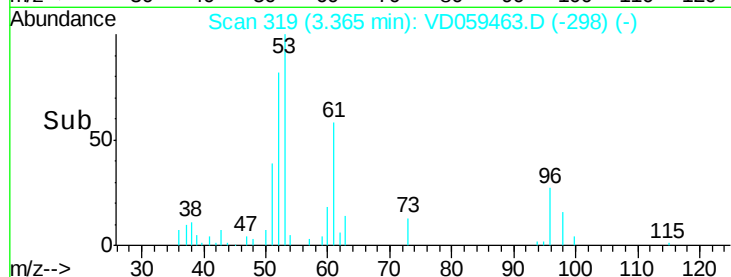
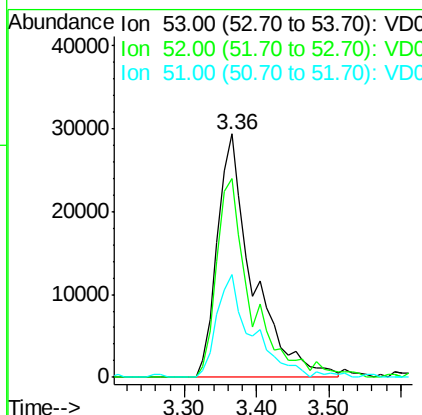
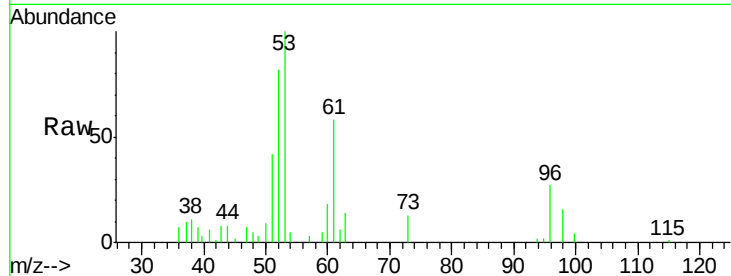




#15
 Acrylonitrile
 Concen: 102.071 ug/l
 RT: 3.36 min Scan# 319
 Delta R.T. 0.00 min
 Lab File: VD059463.D
 Acq: 28 Jun 2018 15:27

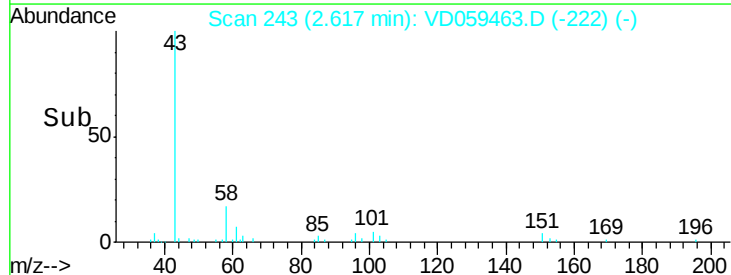
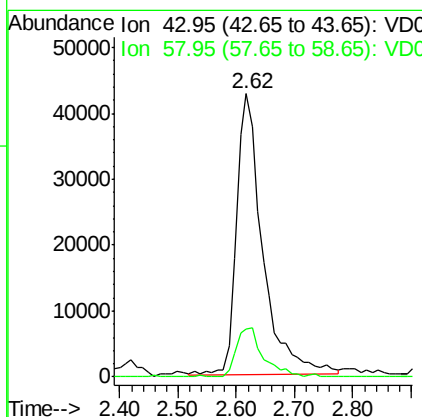
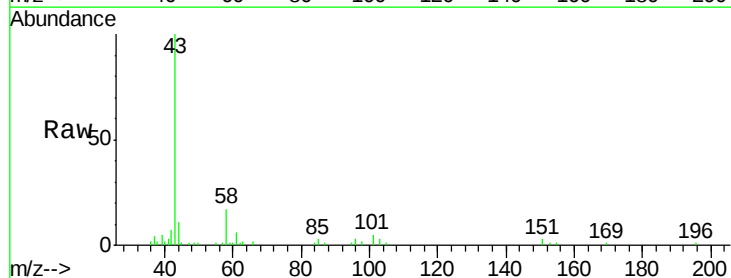
Instrument :
 MSVOA_D
 ClientSampleId :

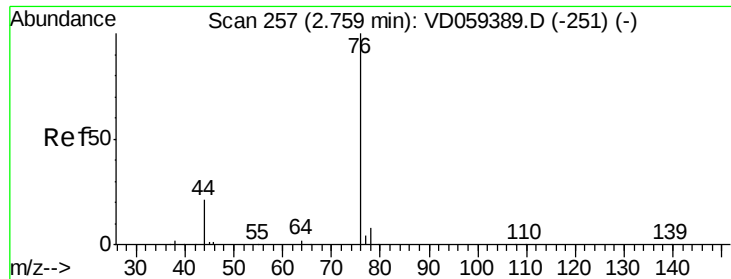
Tot Ion: 53 Resp: 99602
 Ion Ratio Lower Upper
 53 100
 52 81.9 67.9 101.9
 51 42.1 32.2 48.4



#16
 Acetone
 Concen: 115.404 ug/l
 RT: 2.62 min Scan# 243
 Delta R.T. 0.00 min
 Lab File: VD059463.D
 Acq: 28 Jun 2018 15:27

Tgt Ion: 43 Resp: 133862
 Ion Ratio Lower Upper
 43 100
 58 16.7 16.8 25.2#

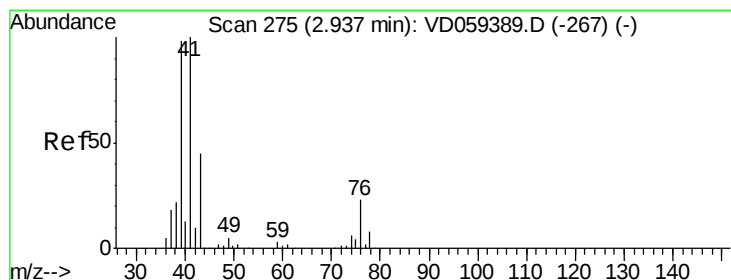
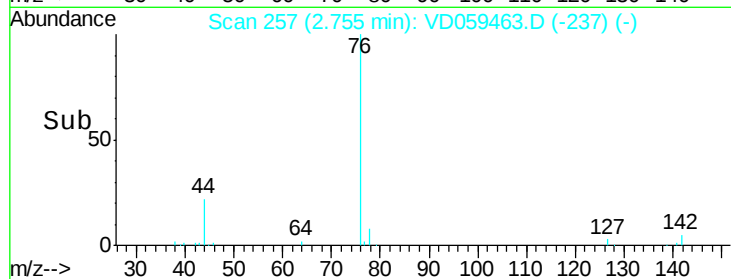
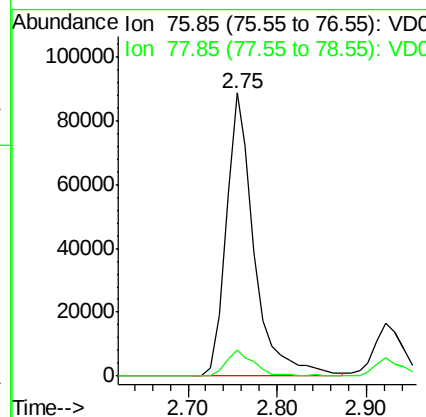
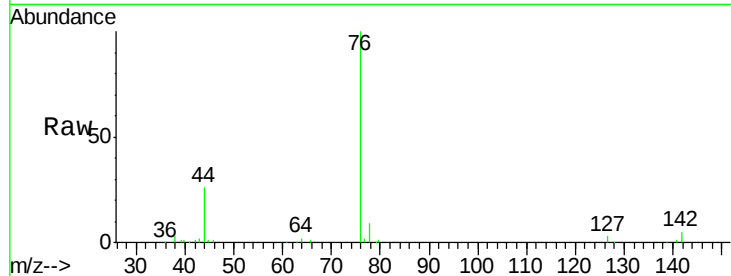




#17
Carbon Disulfide
Concen: 21.477 ug/l
RT: 2.75 min Scan# 257
Delta R.T. -0.00 min
Lab File: VD059463.D
Acq: 28 Jun 2018 15:27

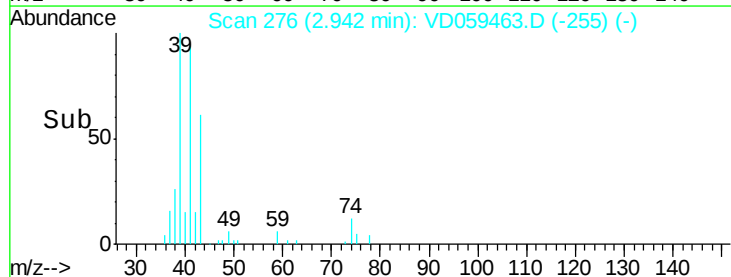
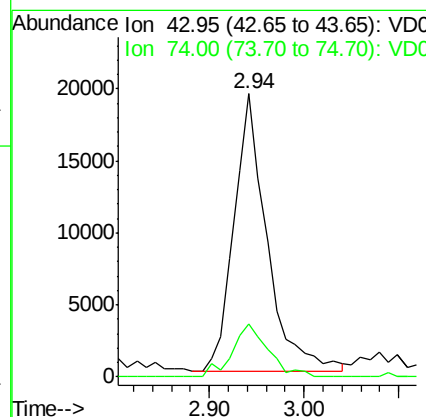
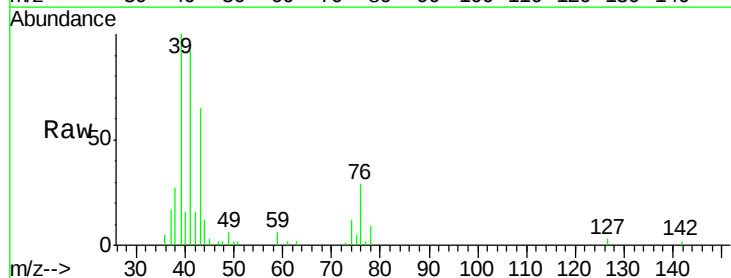
Instrument :
MSVOA_D
ClientSampleId :

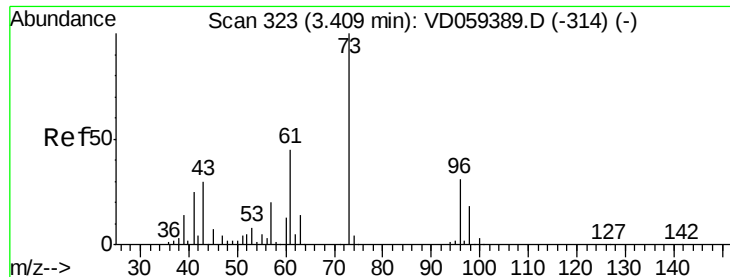
Tot Ion: 76 Resp: 194783
Ion Ratio Lower Upper
76 100
78 9.3 6.6 9.8



#18
Methyl Acetate
Concen: 16.851 ug/l
RT: 2.94 min Scan# 276
Delta R.T. 0.01 min
Lab File: VD059463.D
Acq: 28 Jun 2018 15:27

Tgt Ion: 43 Resp: 46582
Ion Ratio Lower Upper
43 100
74 18.7 11.0 16.4#

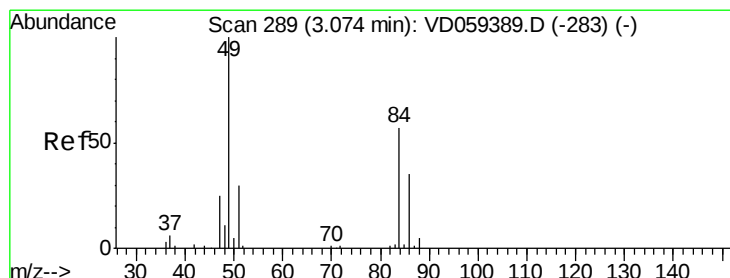
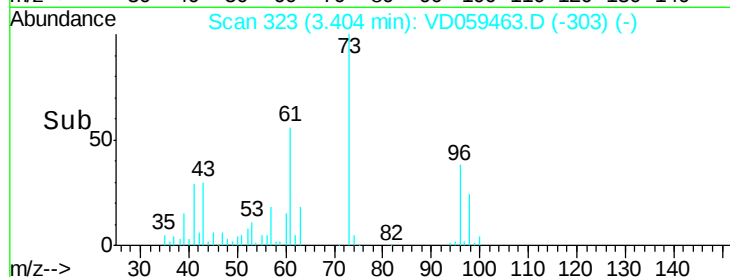
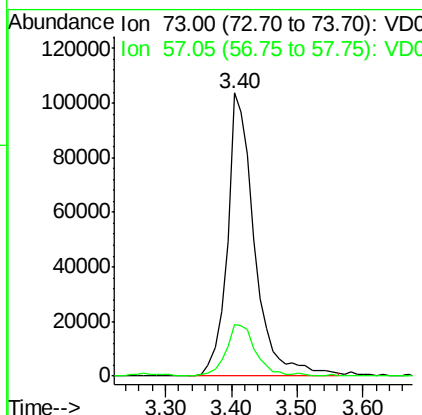
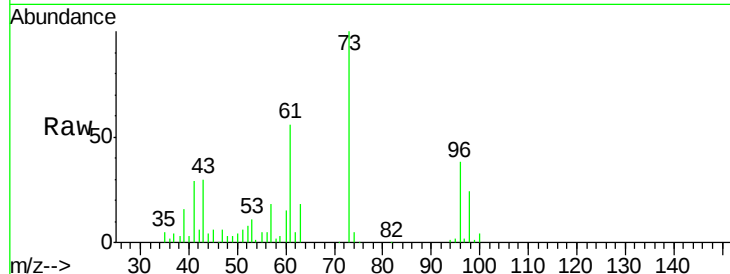




#19
Methyl tert-butyl Ether
Concen: 20.572 ug/l
RT: 3.40 min Scan# 323
Delta R.T. -0.00 min
Lab File: VD059463.D
Acq: 28 Jun 2018 15:27

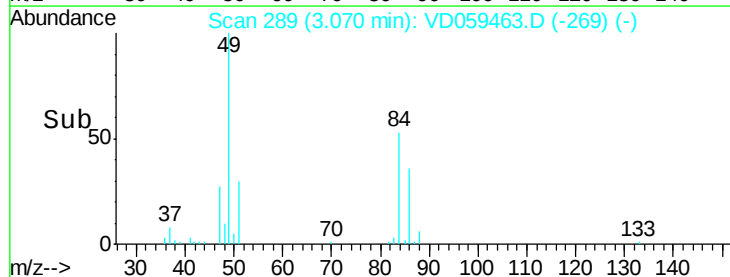
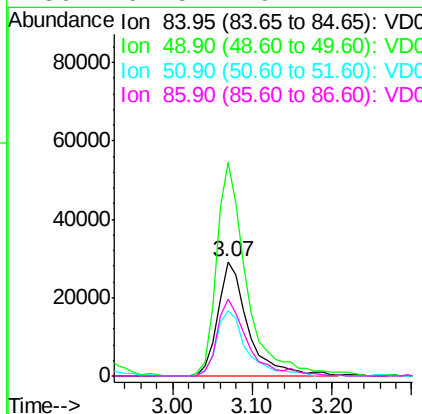
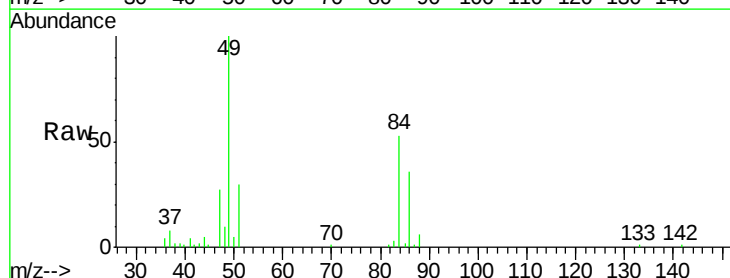
Instrument :
MSVOA_D
ClientSampled :

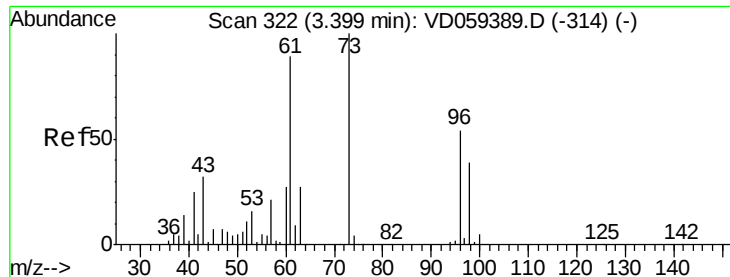
Tot Ion: 73 Resp: 299851
Ion Ratio Lower Upper
73 100
57 18.0 16.1 24.1



#20
Methylene Chloride
Concen: 22.933 ug/l
RT: 3.07 min Scan# 289
Delta R.T. -0.00 min
Lab File: VD059463.D
Acq: 28 Jun 2018 15:27

Tgt Ion: 84 Resp: 78117
Ion Ratio Lower Upper
84 100
49 187.1 140.3 210.5
51 56.8 41.6 62.4
86 67.5 49.4 74.2

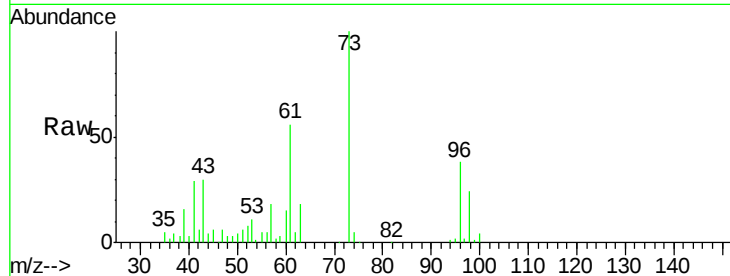




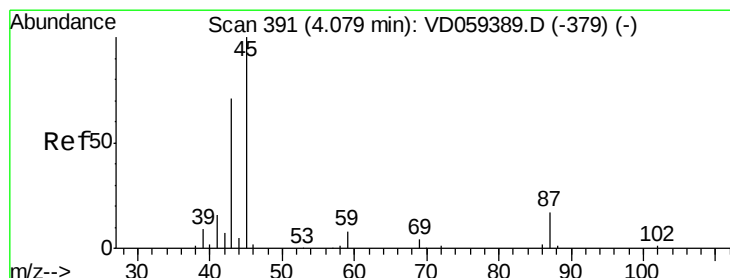
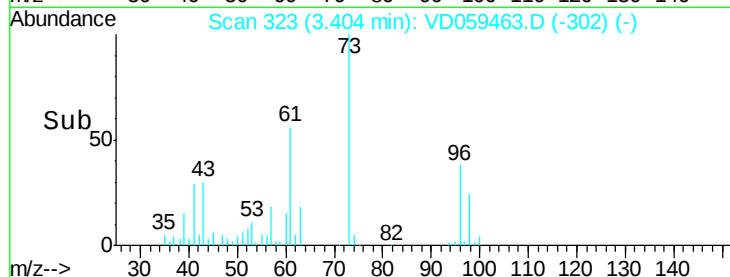
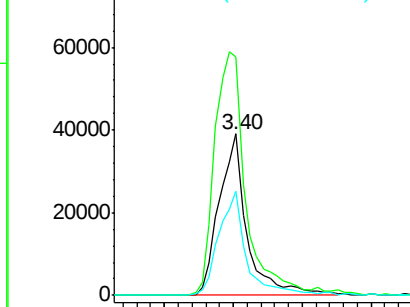
#21
trans-1,2-Dichloroethene
Concen: 20.870 ug/l
RT: 3.40 min Scan# 323
Delta R.T. 0.00 min
Lab File: VD059463.D
Acq: 28 Jun 2018 15:27

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 96 Resp: 109273
Ion Ratio Lower Upper
96 100
61 147.8 131.0 196.4
98 64.3 56.8 85.2

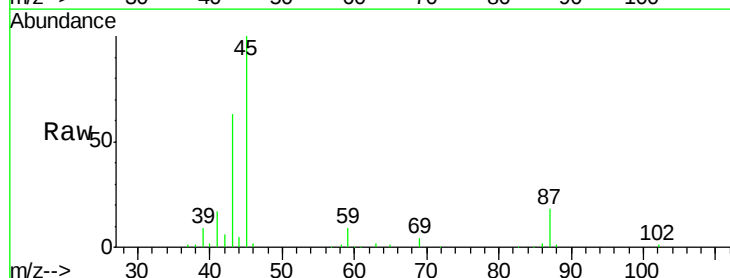


Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC

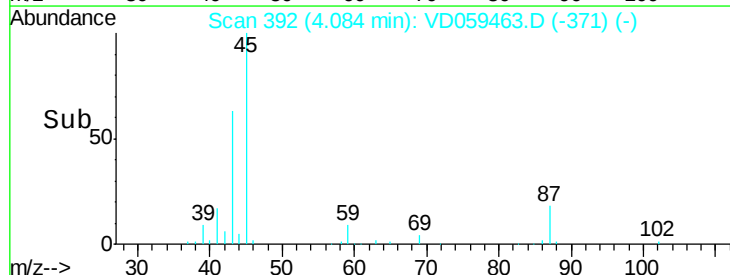
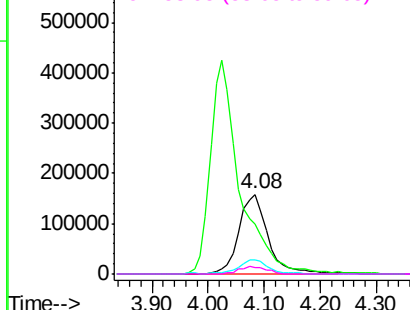


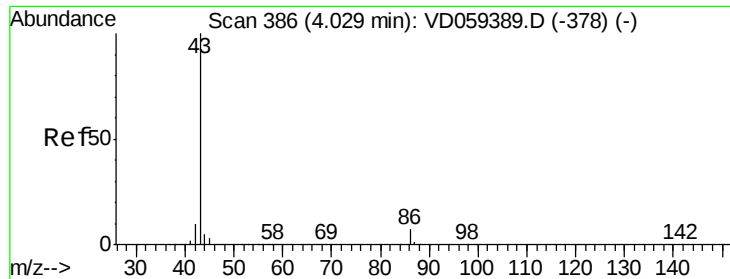
#22
Diisopropyl ether
Concen: 22.423 ug/l
RT: 4.08 min Scan# 392
Delta R.T. 0.00 min
Lab File: VD059463.D
Acq: 28 Jun 2018 15:27

Tgt Ion: 45 Resp: 571851
Ion Ratio Lower Upper
45 100
43 63.2 56.9 85.3
87 17.8 14.2 21.4
59 8.8 7.0 10.4



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC

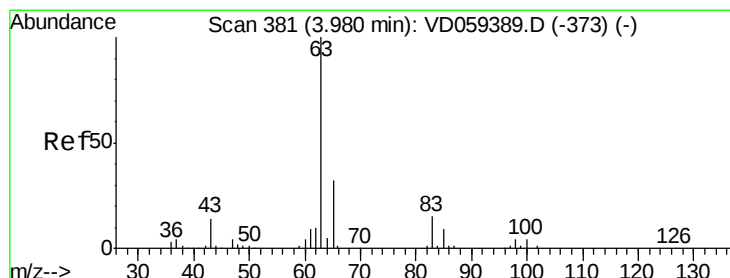
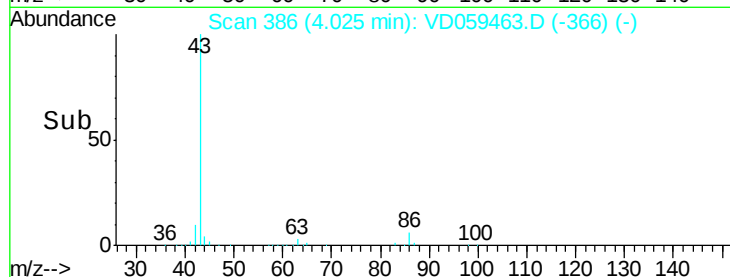
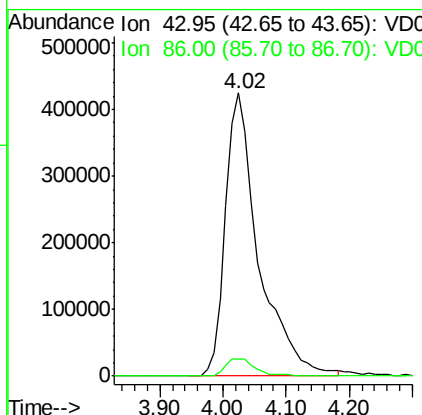
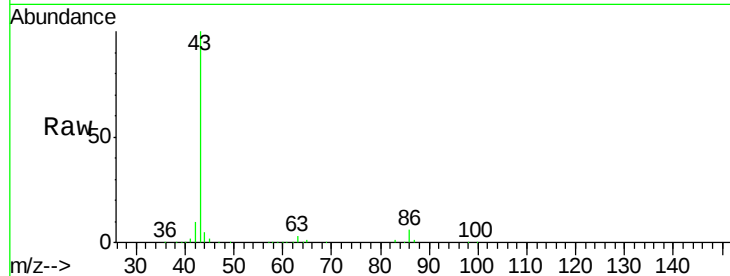




#23
 Vinyl Acetate
 Concen: 116.856 ug/l
 RT: 4.02 min Scan# 386
 Delta R.T. -0.00 min
 Lab File: VD059463.D
 Acq: 28 Jun 2018 15:27

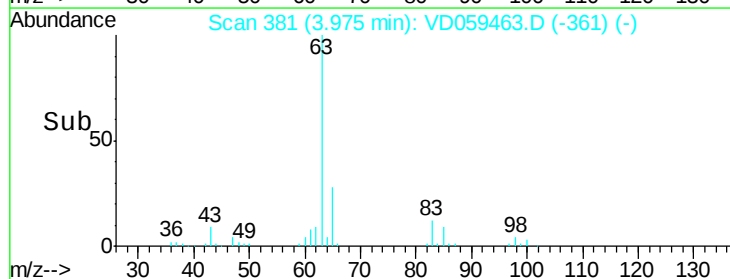
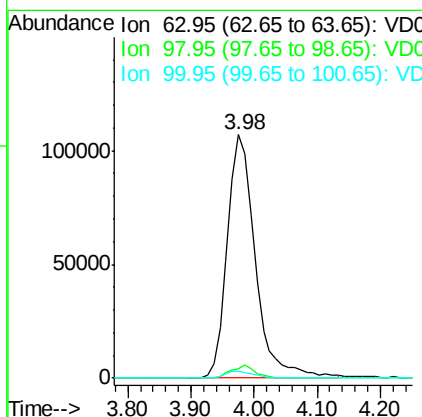
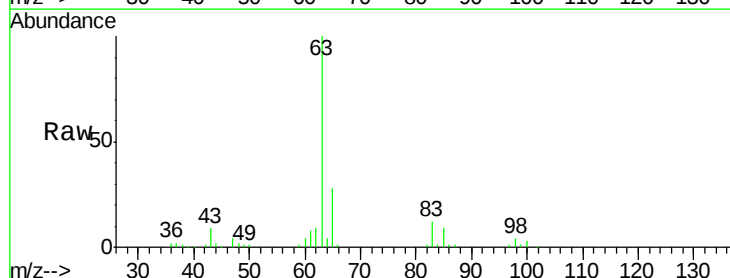
Instrument :
 MSVOA_D
 ClientSampleID :

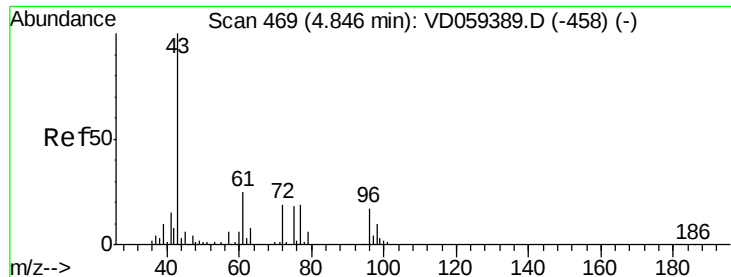
Tot Ion: 43 Resp: 1552714
 Ion Ratio Lower Upper
 43 100
 86 6.0 5.2 7.8



#24
 1,1-Dichloroethane
 Concen: 22.602 ug/l
 RT: 3.98 min Scan# 381
 Delta R.T. -0.00 min
 Lab File: VD059463.D
 Acq: 28 Jun 2018 15:27

Tgt Ion: 63 Resp: 329830
 Ion Ratio Lower Upper
 63 100
 98 3.7 2.1 6.5
 100 3.0 1.8 5.5





#25

2-Butanone

Concen: 107.862 ug/l

RT: 4.84 min Scan# 469

Delta R.T. -0.00 min

Lab File: VD059463.D

Acq: 28 Jun 2018 15:27

Instrument :

MSVOA_D

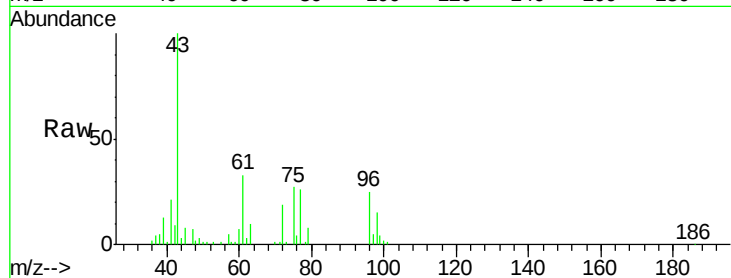
ClientSampleId :

Tot Ion: 43 Resp: 262089

Ion Ratio Lower Upper

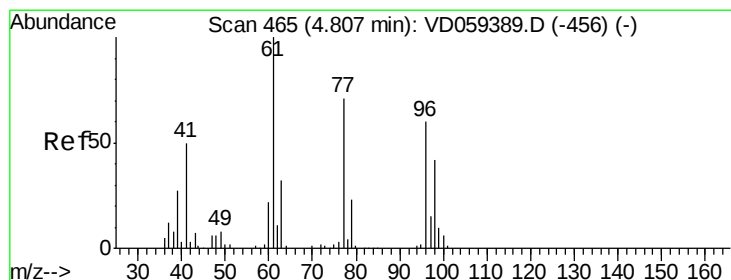
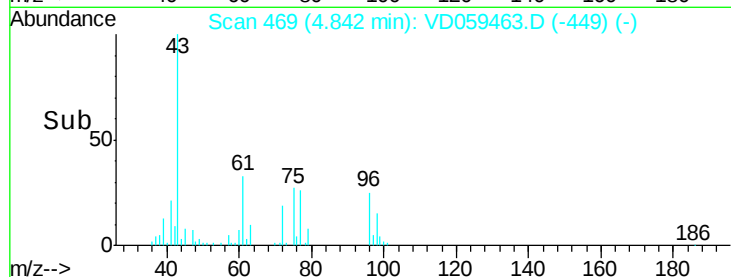
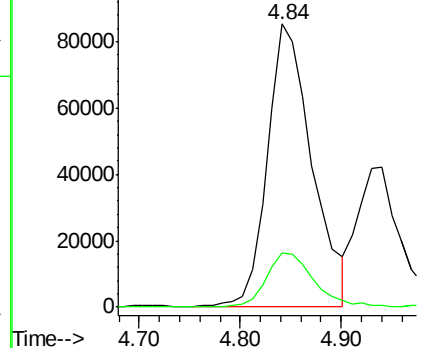
43 100

72 19.3 15.4 23.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 24.848 ug/l

RT: 4.80 min Scan# 465

Delta R.T. -0.00 min

Lab File: VD059463.D

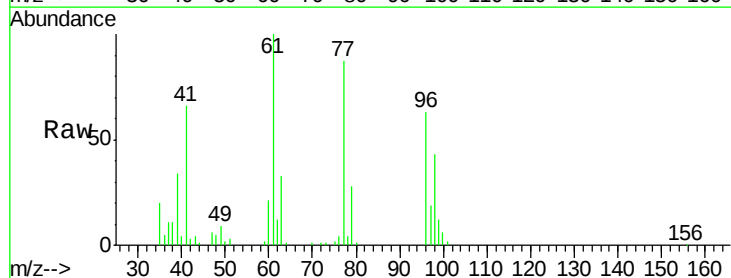
Acq: 28 Jun 2018 15:27

Tgt Ion: 77 Resp: 281198

Ion Ratio Lower Upper

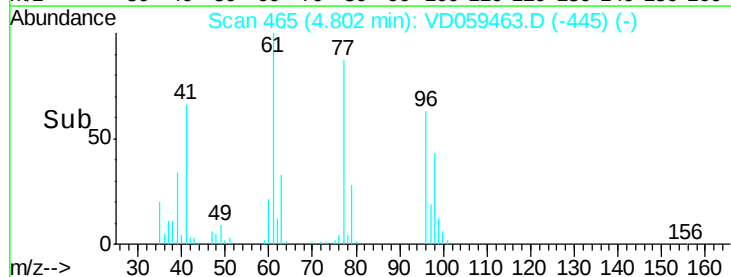
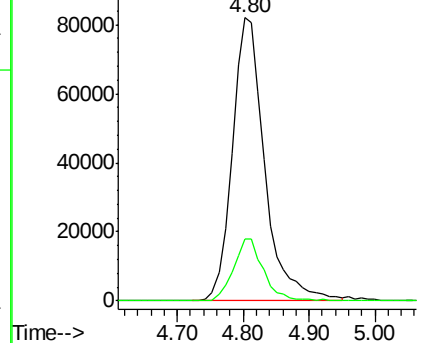
77 100

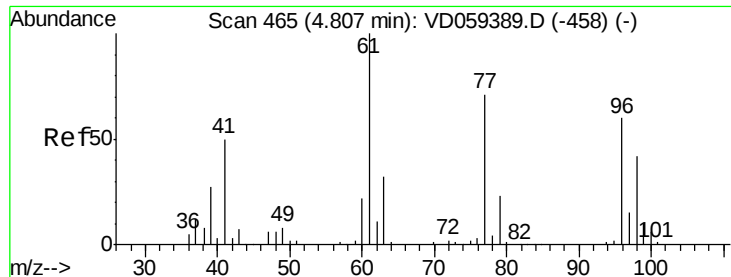
97 21.8 10.7 32.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



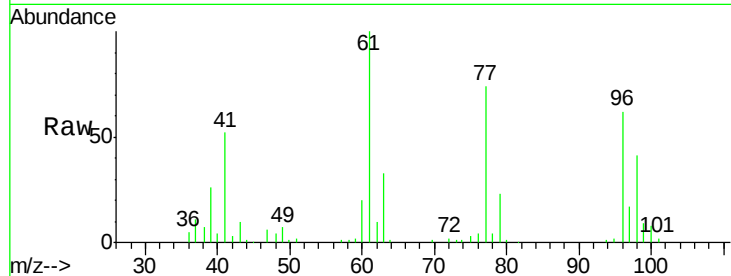


#27

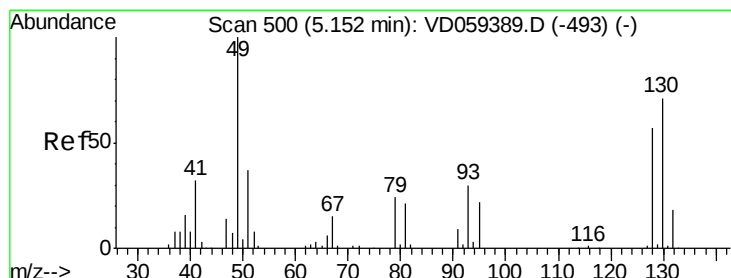
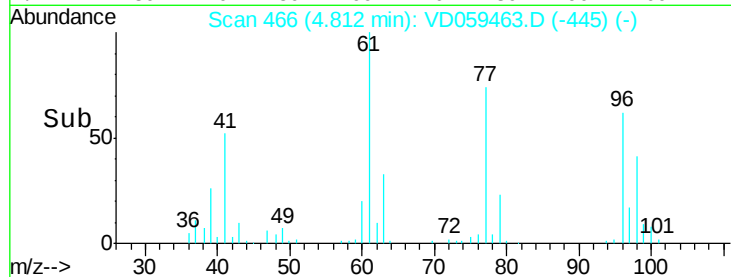
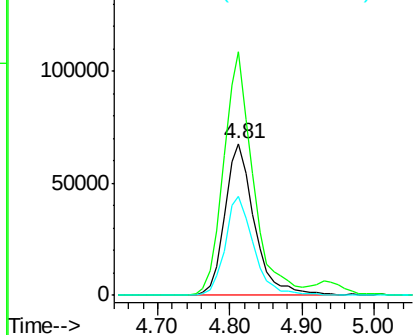
cis-1,2-Dichloroethene
 Concen: 21.804 ug/l
 RT: 4.81 min Scan# 466
 Delta R.T. 0.01 min
 Lab File: VD059463.D
 Acq: 28 Jun 2018 15:27

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 96 Resp: 191849
 Ion Ratio Lower Upper
 96 100
 61 160.2 0.0 335.8
 98 65.3 0.0 141.0



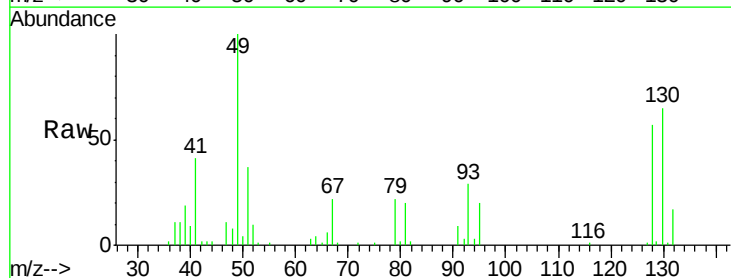
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



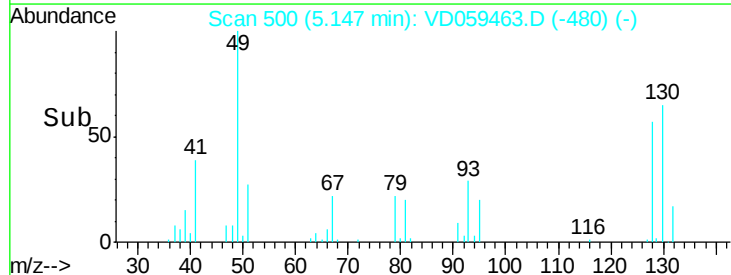
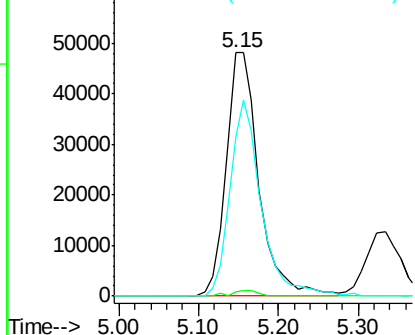
#28

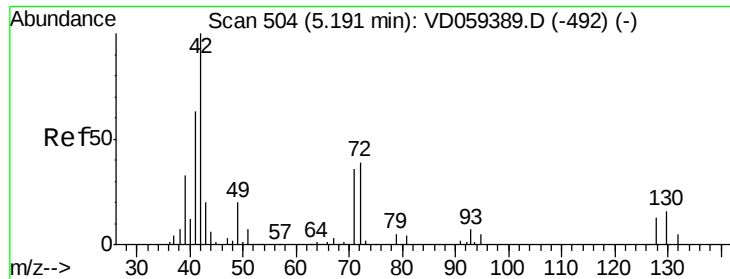
Bromochloromethane
 Concen: 21.881 ug/l
 RT: 5.15 min Scan# 500
 Delta R.T. -0.00 min
 Lab File: VD059463.D
 Acq: 28 Jun 2018 15:27

Tgt Ion: 49 Resp: 138431
 Ion Ratio Lower Upper
 49 100
 129 2.0 0.0 4.4
 130 65.1 57.0 85.6



Abundance Ion 48.90 (48.60 to 49.60): VDC
 Ion 128.80 (128.50 to 129.50): VDC
 Ion 129.80 (129.50 to 130.50): VDC

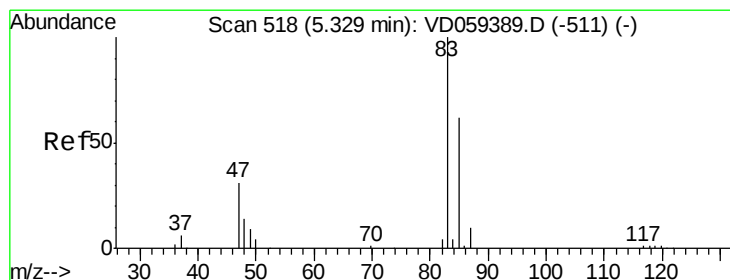
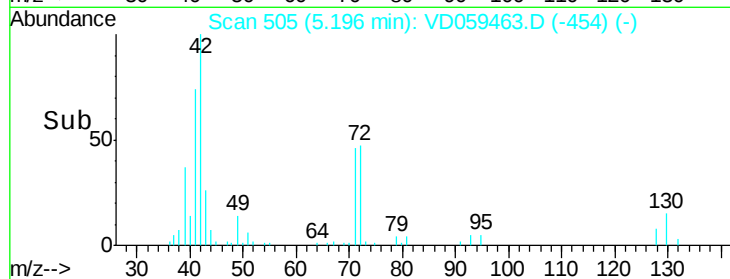
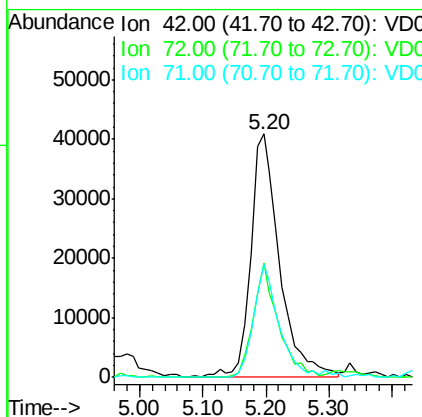
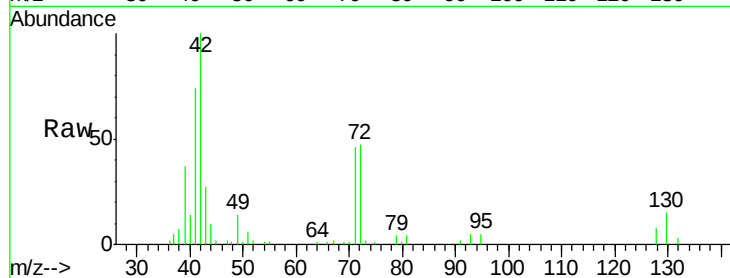




#29
Tetrahydrofuran
Concen: 98.382 ug/l
RT: 5.20 min Scan# 505
Delta R.T. 0.00 min
Lab File: VD059463.D
Acq: 28 Jun 2018 15:27

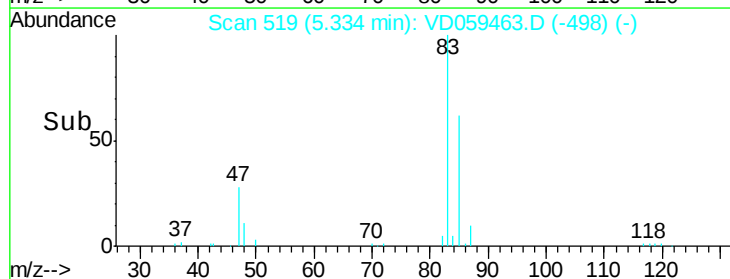
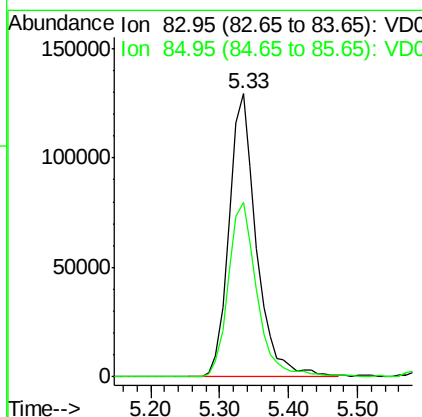
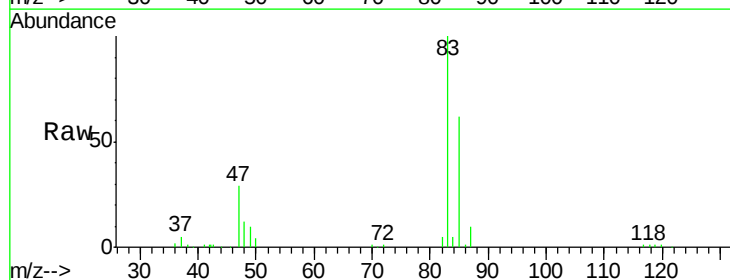
Instrument :
MSVOA_D
ClientSampled :

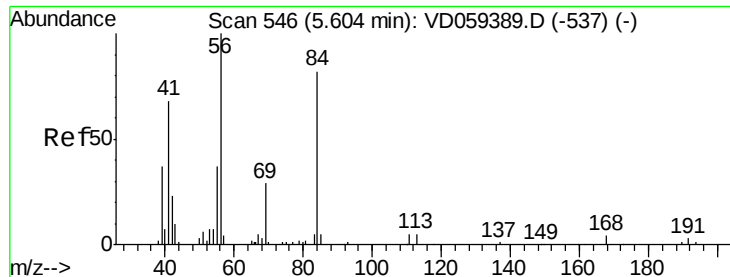
Tot Ion: 42 Resp: 130759
Ion Ratio Lower Upper
42 100
72 40.6 31.4 47.2
71 41.5 29.7 44.5



#30
Chloroform
Concen: 22.276 ug/l
RT: 5.33 min Scan# 519
Delta R.T. 0.00 min
Lab File: VD059463.D
Acq: 28 Jun 2018 15:27

Tgt Ion: 83 Resp: 354317
Ion Ratio Lower Upper
83 100
85 61.5 49.3 73.9

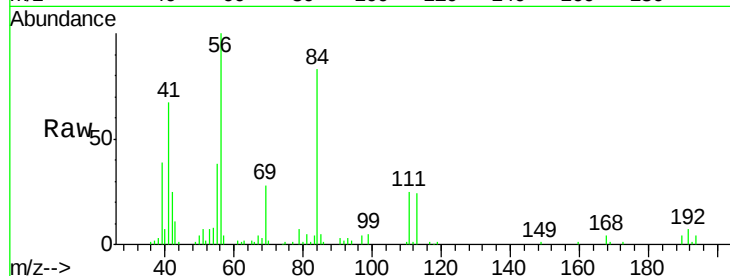




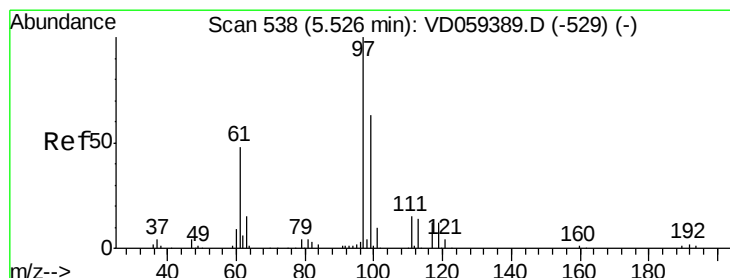
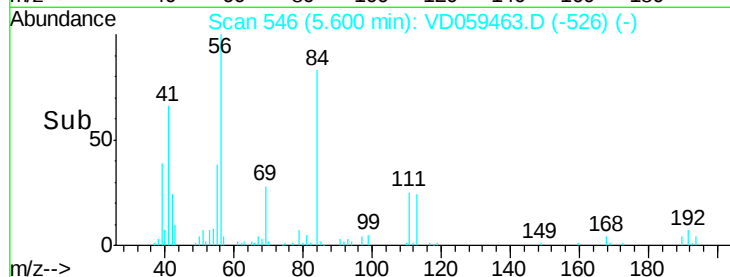
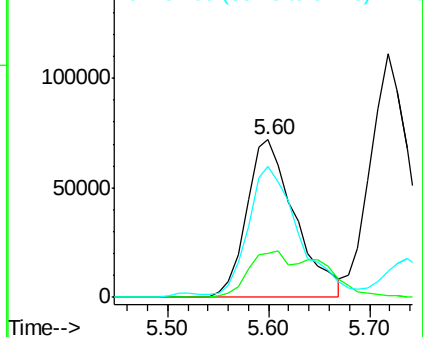
#31
Cyclohexane
Concen: 22.917 ug/l
RT: 5.60 min Scan# 546
Delta R.T. -0.00 min
Lab File: VD059463.D
Acq: 28 Jun 2018 15:27

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 241020
Ion Ratio Lower Upper
56 100
69 27.6 22.9 34.3
84 83.0 67.3 100.9

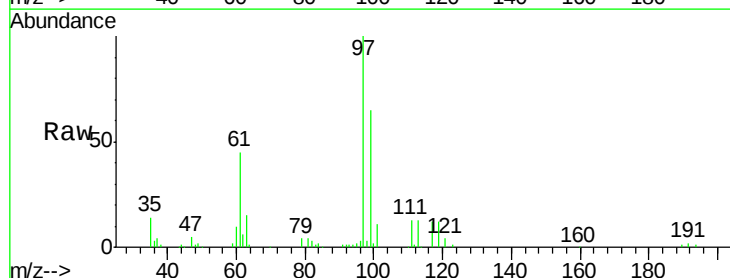


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

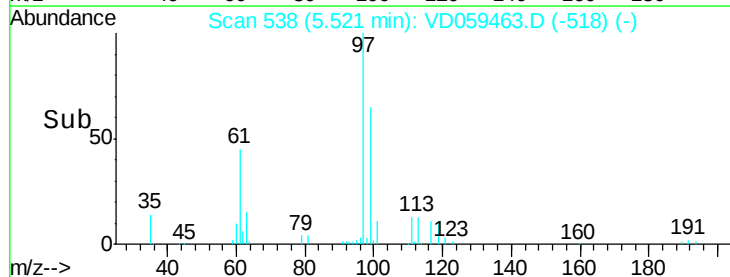
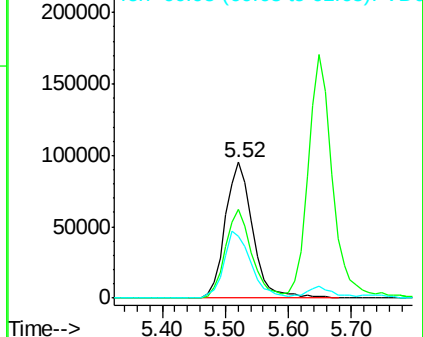


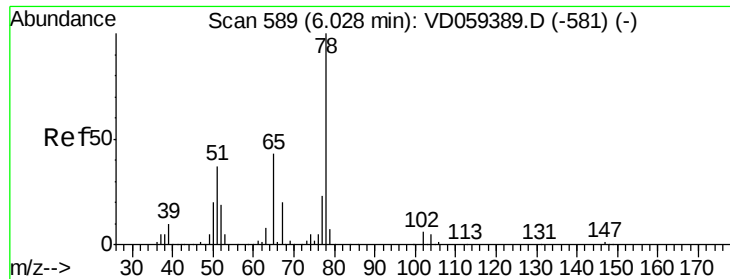
#32
1,1,1-Trichloroethane
Concen: 22.198 ug/l
RT: 5.52 min Scan# 538
Delta R.T. -0.00 min
Lab File: VD059463.D
Acq: 28 Jun 2018 15:27

Tgt Ion: 97 Resp: 285905
Ion Ratio Lower Upper
97 100
99 65.2 50.2 75.4
61 45.2 38.6 57.8



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC

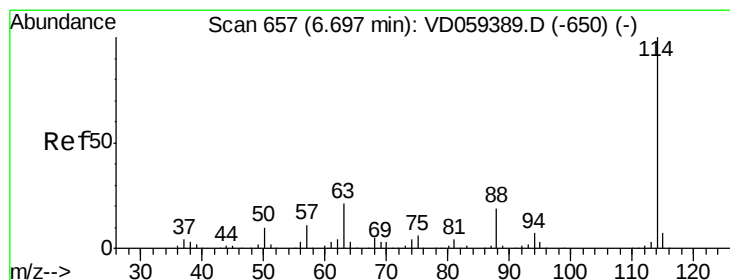
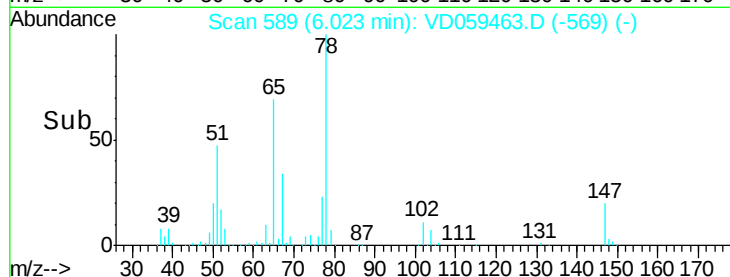
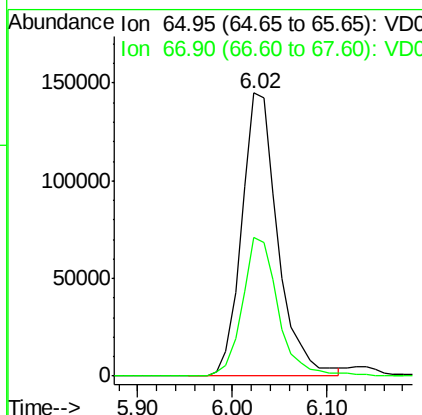
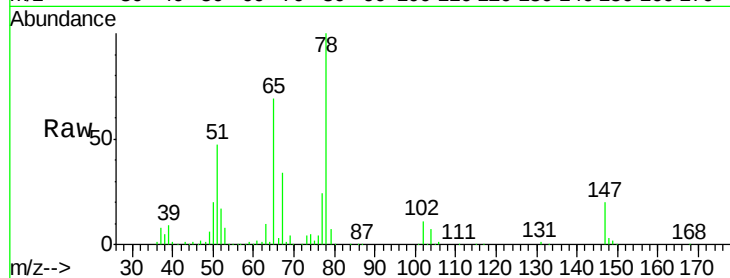




#33
 1,2-Dichloroethane-d4
 Concen: 22.198 ug/l
 RT: 6.02 min Scan# 589
 Delta R.T. -0.00 min
 Lab File: VD059463.D
 Acq: 28 Jun 2018 15:27

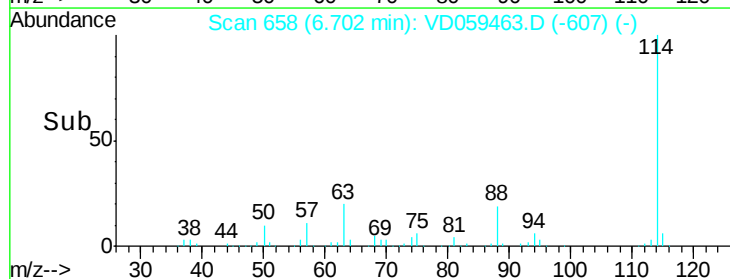
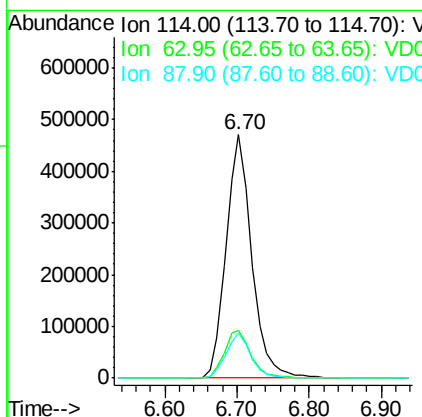
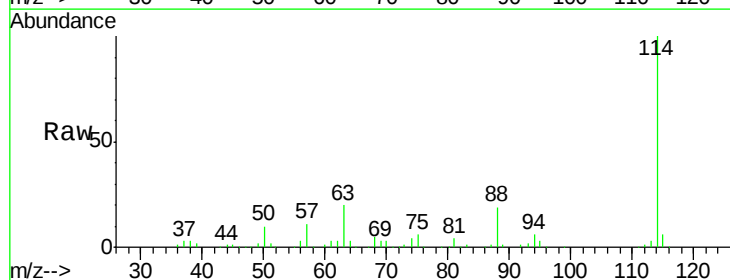
Instrument :
 MSVOA_D
 ClientSampleId :

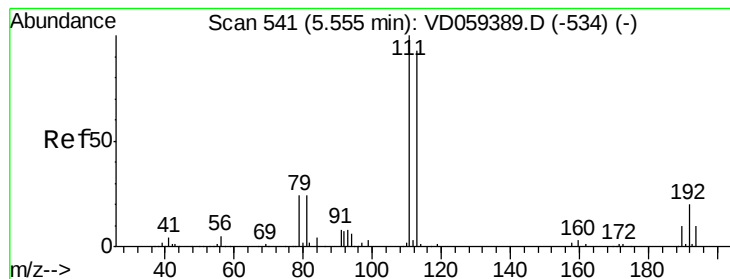
Tot Ion: 65 Resp: 382363
 Ion Ratio Lower Upper
 65 100
 67 48.8 0.0 93.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.70 min Scan# 658
 Delta R.T. 0.00 min
 Lab File: VD059463.D
 Acq: 28 Jun 2018 15:27

Tgt Ion: 114 Resp: 1162935
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 42.4
 88 18.6 0.0 38.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.56 min Scan# 542

Delta R.T. 0.00 min

Lab File: VD059463.D

Acq: 28 Jun 2018 15:27

Instrument :

MSVOA_D

ClientSampleId :

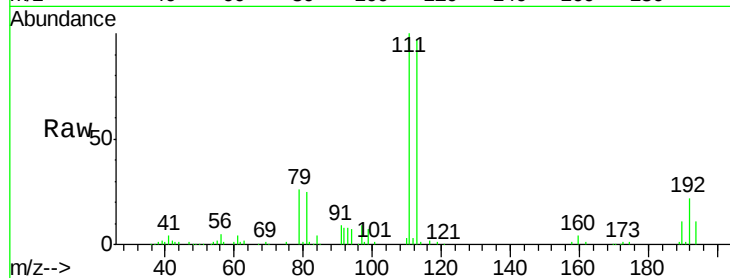
Tot Ion:113 Resp: 407186

Ion Ratio Lower Upper

113 100

111 102.9 85.7 128.5

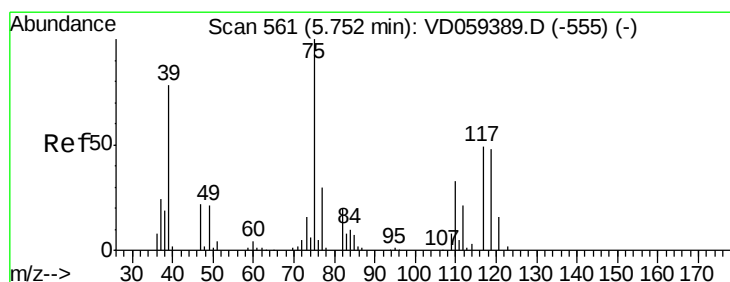
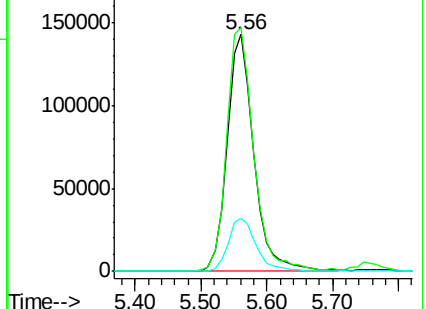
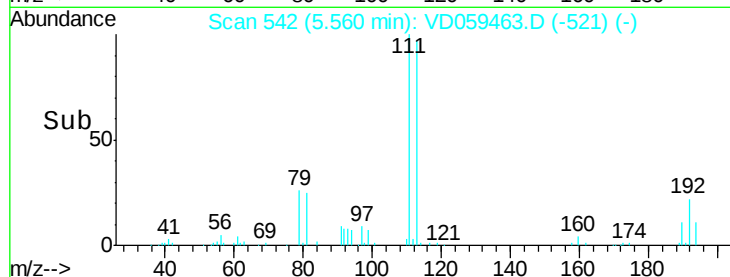
192 22.1 16.9 25.3



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 22.433 ug/l

RT: 5.75 min Scan# 561

Delta R.T. -0.00 min

Lab File: VD059463.D

Acq: 28 Jun 2018 15:27

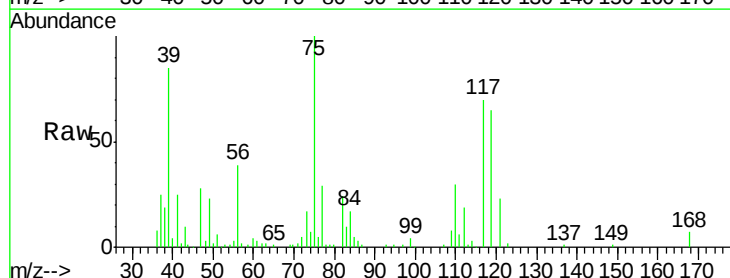
Tgt Ion: 75 Resp: 236654

Ion Ratio Lower Upper

75 100

110 30.3 16.1 48.2

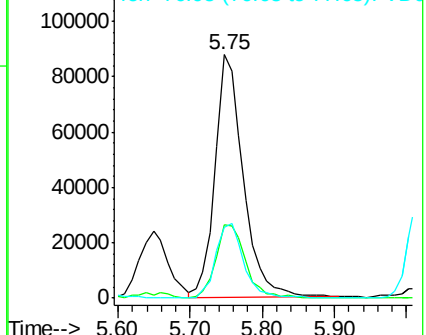
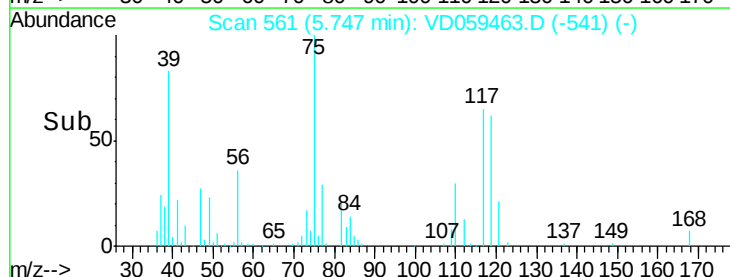
77 29.2 23.4 35.2

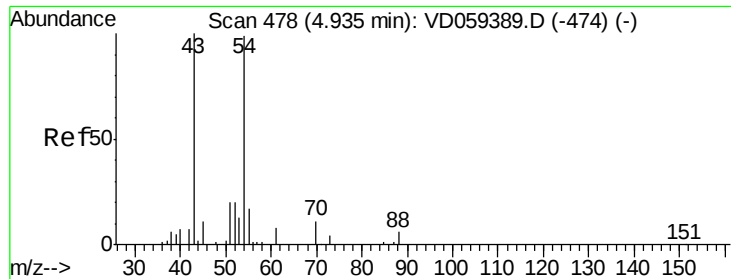


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

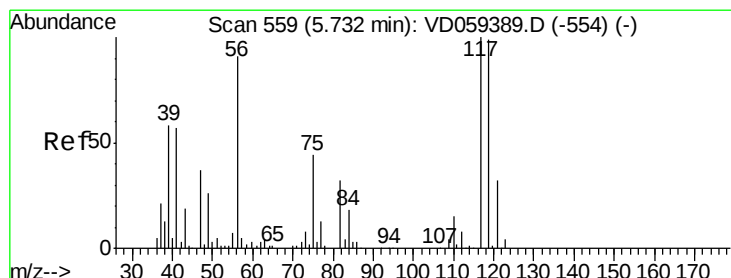
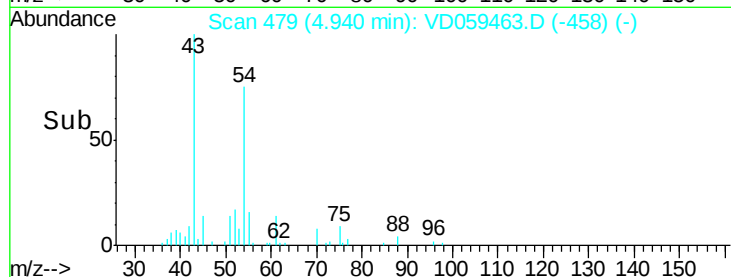
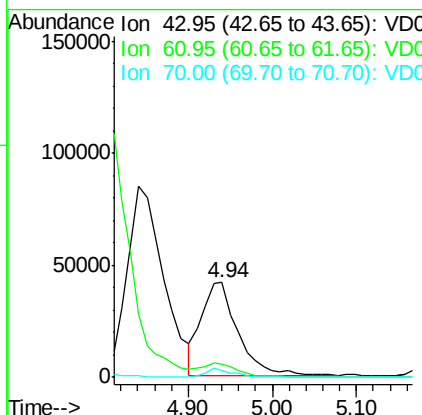
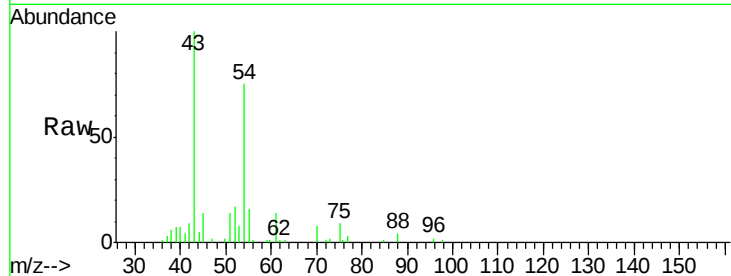




#37
Ethyl Acetate
Concen: 19.482 ug/l
RT: 4.94 min Scan# 479
Delta R.T. 0.00 min
Lab File: VD059463.D
Acq: 28 Jun 2018 15:27

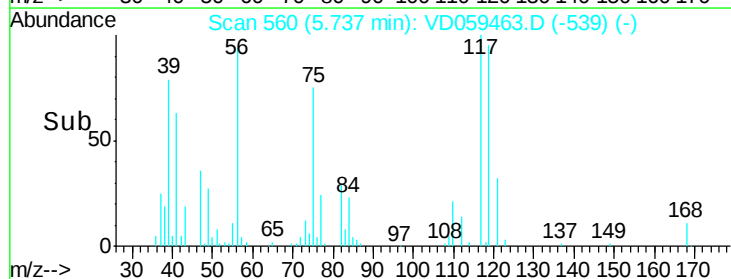
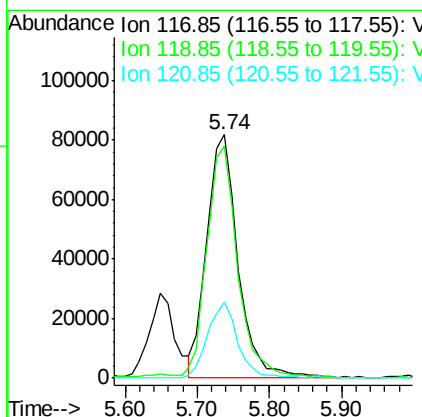
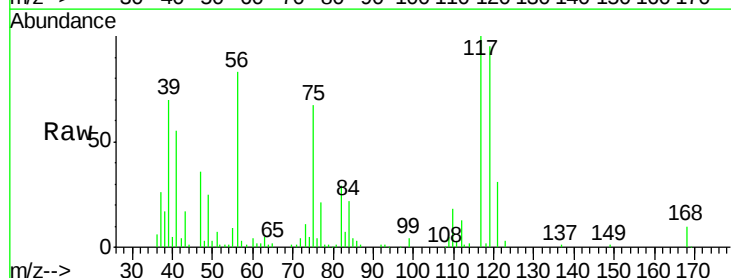
Instrument :
MSVOA_D
ClientSampled :

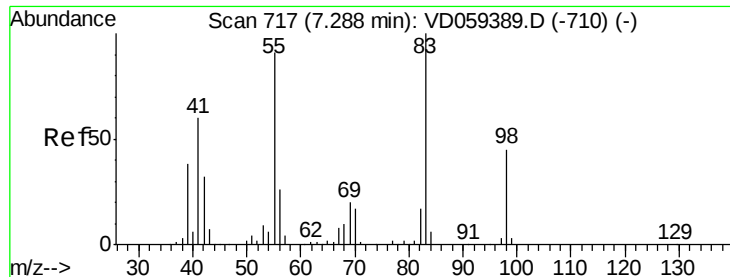
Tot Ion: 43 Resp: 125163
Ion Ratio Lower Upper
43 100
61 14.1 11.8 17.8
70 7.6 6.1 9.1



#38
Carbon Tetrachloride
Concen: 22.593 ug/l
RT: 5.74 min Scan# 560
Delta R.T. 0.00 min
Lab File: VD059463.D
Acq: 28 Jun 2018 15:27

Tgt Ion: 117 Resp: 245734
Ion Ratio Lower Upper
117 100
119 95.1 76.6 115.0
121 31.1 25.0 37.4





#39

Methvlcvclohexane

Concen: 23.589 ug/l

RT: 7.29 min Scan# 718

Delta R.T. 0.00 min

Lab File: VD059463.D

Acq: 28 Jun 2018 15:27

Instrument :

MSVOA_D

ClientSampleId :

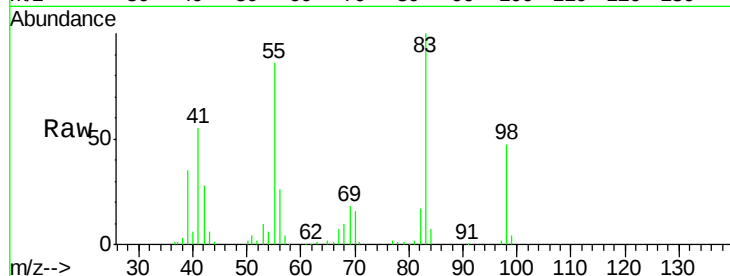
Tot Ion: 83 Resp: 236022

Ion Ratio Lower Upper

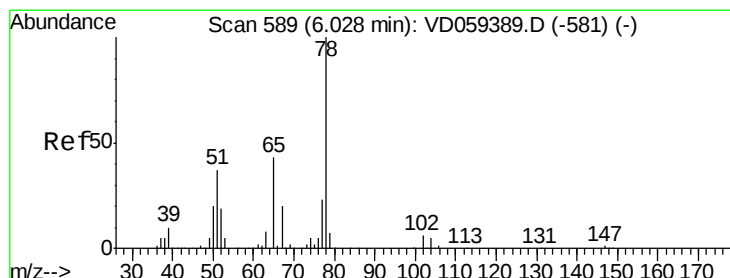
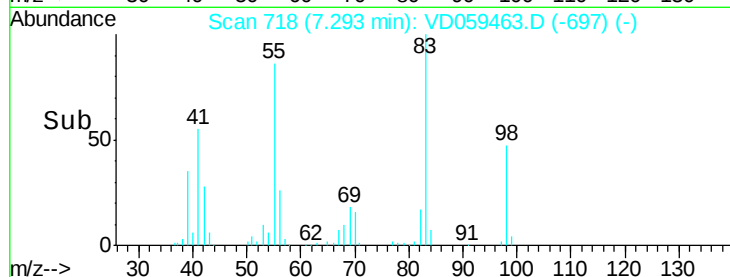
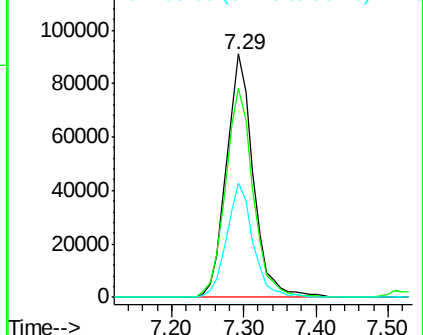
83 100

55 86.1 72.6 109.0

98 46.8 35.8 53.6



Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 23.085 ug/l

RT: 6.02 min Scan# 589

Delta R.T. -0.00 min

Lab File: VD059463.D

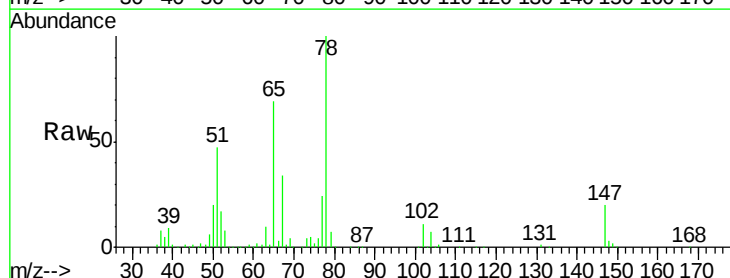
Acq: 28 Jun 2018 15:27

Tgt Ion: 78 Resp: 584417

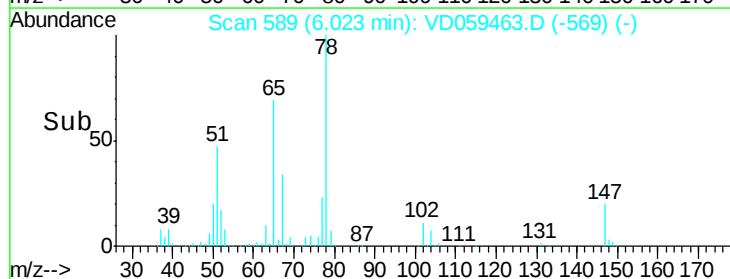
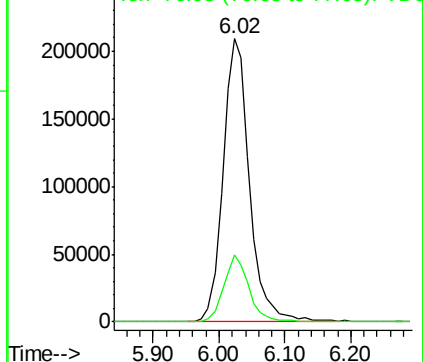
Ion Ratio Lower Upper

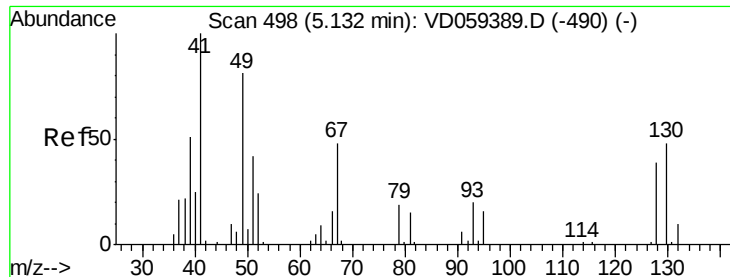
78 100

77 23.6 18.1 27.1



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 20.759 ug/l

RT: 5.14 min Scan# 499

Delta R.T. 0.00 min

Lab File: VD059463.D

Acq: 28 Jun 2018 15:27

Instrument :

MSVOA_D

ClientSampled :

Tot Ion: 41 Resp: 64238

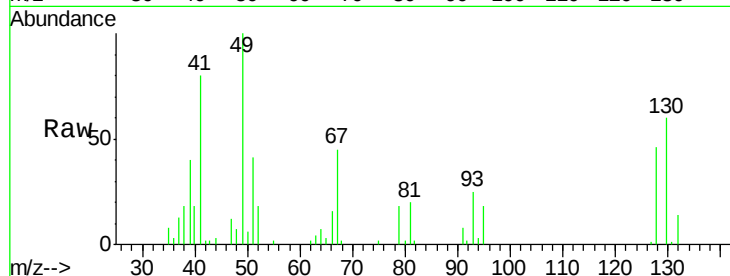
Ion Ratio Lower Upper

41 100

39 49.6 41.5 62.3

67 56.1 38.7 58.1

52 22.4 19.4 29.2

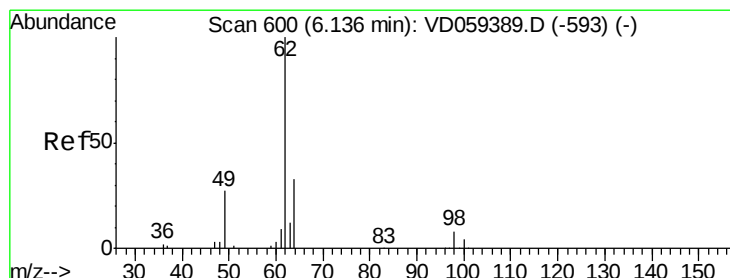
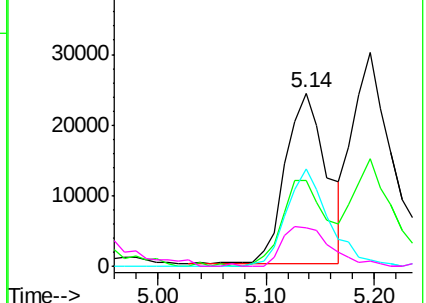
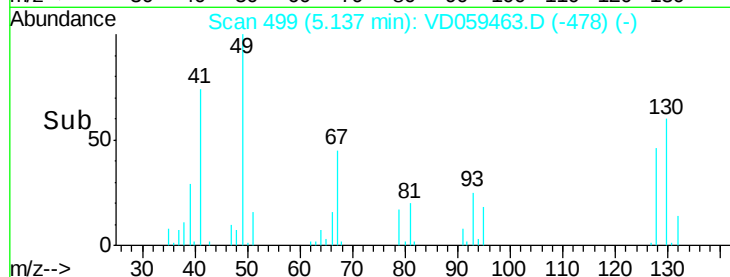


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 20.712 ug/l

RT: 6.14 min Scan# 601

Delta R.T. 0.00 min

Lab File: VD059463.D

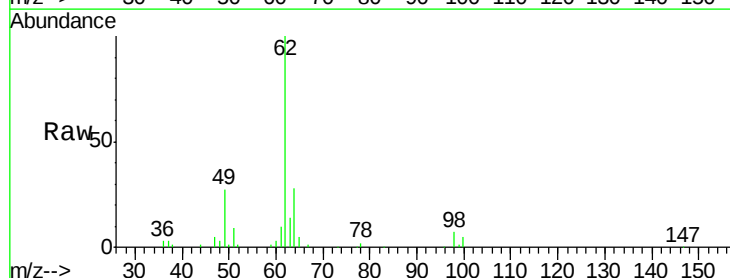
Acq: 28 Jun 2018 15:27

Tgt Ion: 62 Resp: 231689

Ion Ratio Lower Upper

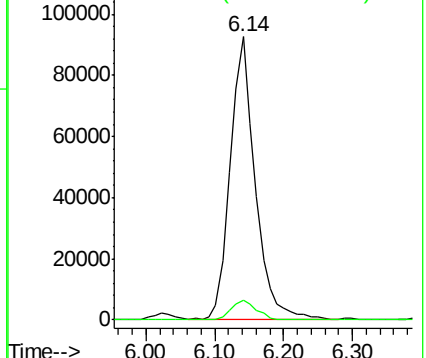
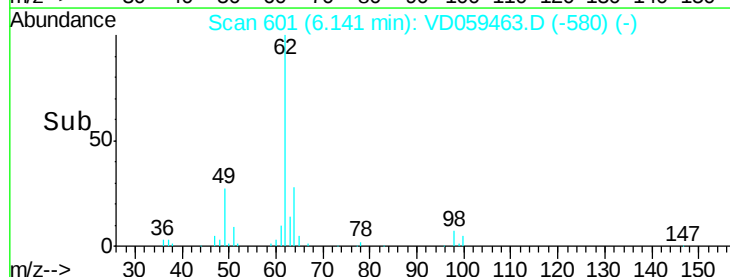
62 100

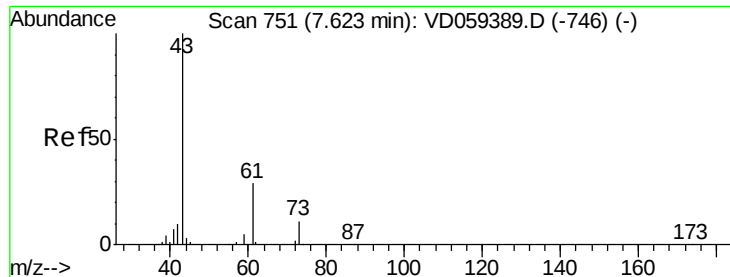
98 7.0 0.0 15.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



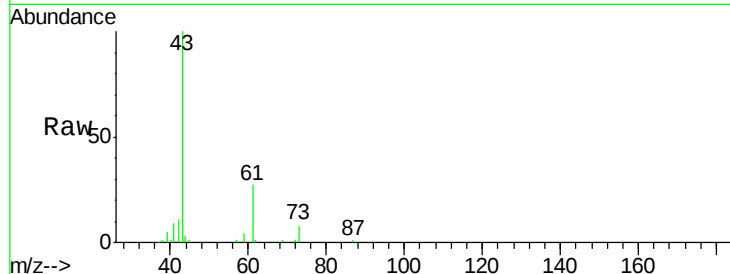


#43

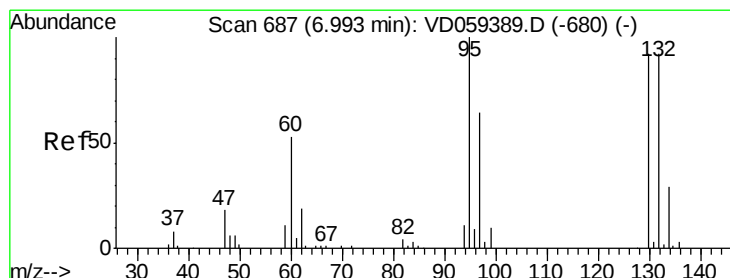
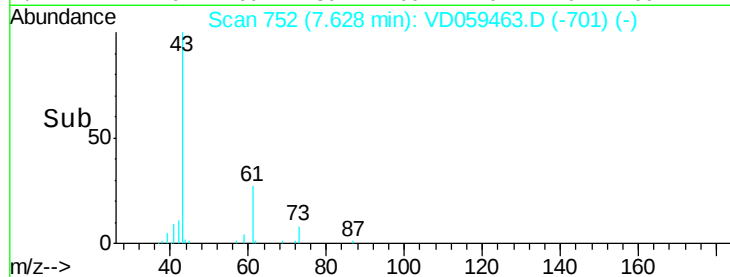
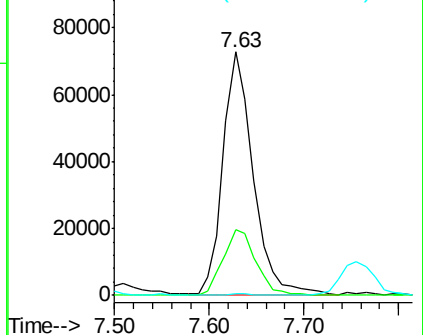
Isopropyl Acetate
 Concen: 20.153 ug/l
 RT: 7.63 min Scan# 752
 Delta R.T. 0.00 min
 Lab File: VD059463.D
 Acq: 28 Jun 2018 15:27

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion: 43 Resp: 162593
 Ion Ratio Lower Upper
 43 100
 61 26.8 23.1 34.7
 87 0.6 0.2 0.4#



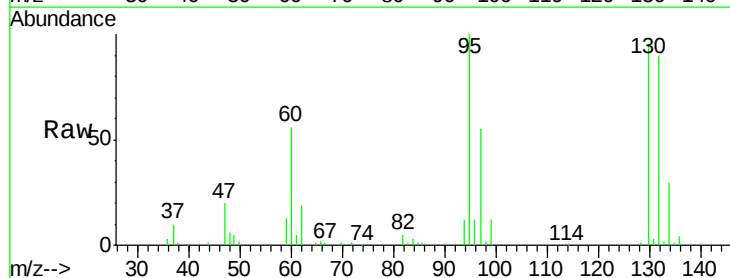
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



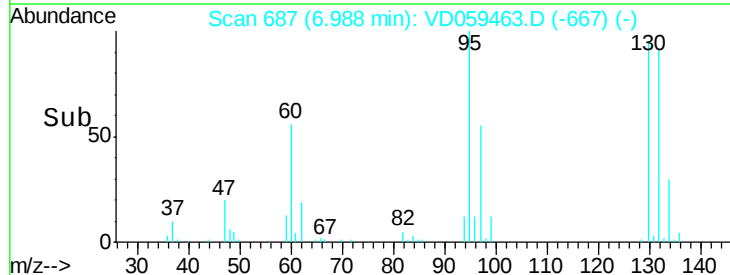
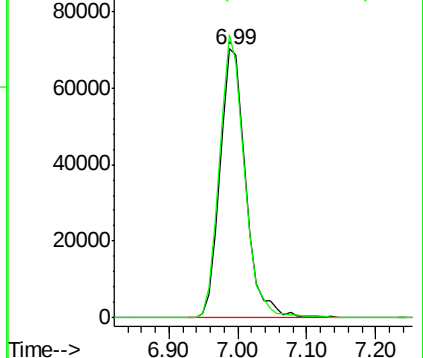
#44

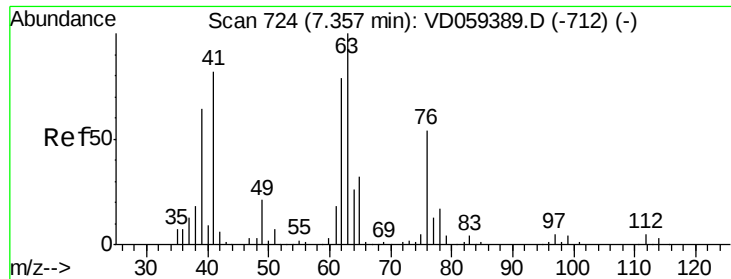
Trichloroethene
 Concen: 21.951 ug/l
 RT: 6.99 min Scan# 687
 Delta R.T. -0.00 min
 Lab File: VD059463.D
 Acq: 28 Jun 2018 15:27

Tgt Ion:130 Resp: 181958
 Ion Ratio Lower Upper
 130 100
 95 105.3 0.0 216.4



Abundance Ion 129.80 (129.50 to 130.50): VDC
 Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 21.428 ug/l

RT: 7.36 min Scan# 725

Delta R.T. 0.00 min

Lab File: VD059463.D

Acq: 28 Jun 2018 15:27

Instrument :

MSVOA_D

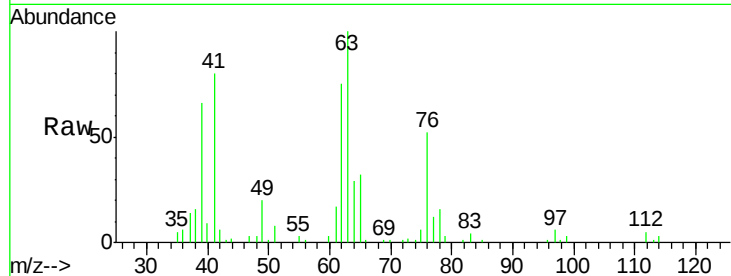
ClientSampleId :

Tot Ion: 63 Resp: 150244

Ion Ratio Lower Upper

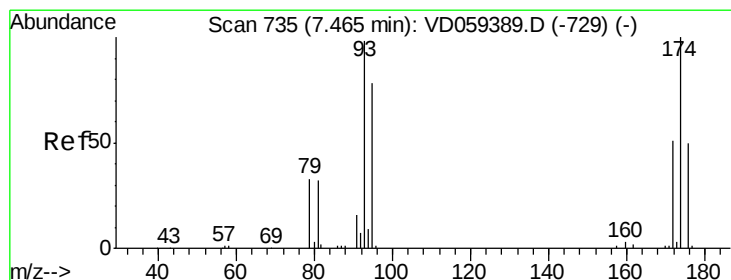
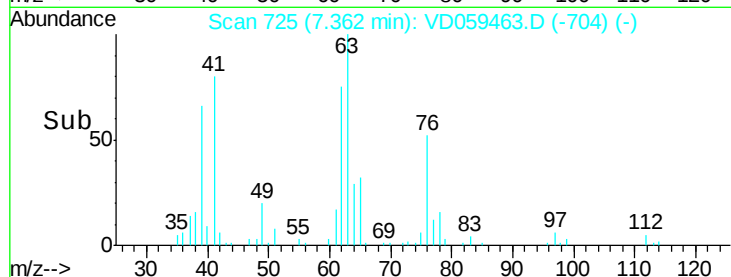
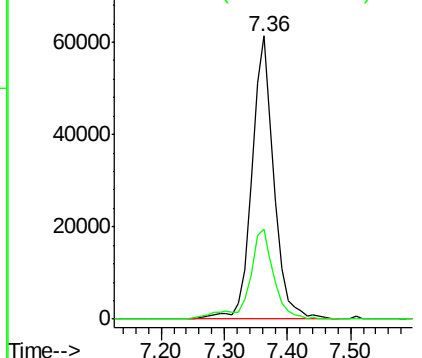
63 100

65 31.7 25.7 38.5



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 21.199 ug/l

RT: 7.47 min Scan# 736

Delta R.T. 0.00 min

Lab File: VD059463.D

Acq: 28 Jun 2018 15:27

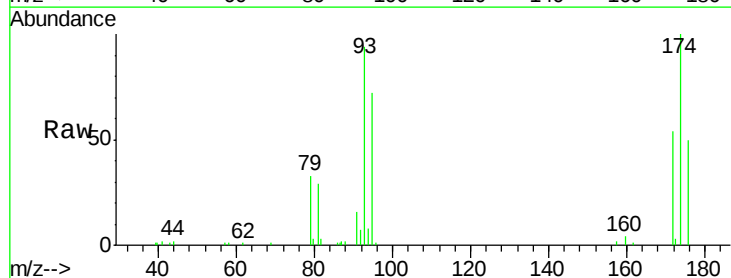
Tgt Ion: 93 Resp: 106896

Ion Ratio Lower Upper

93 100

95 76.3 63.4 95.0

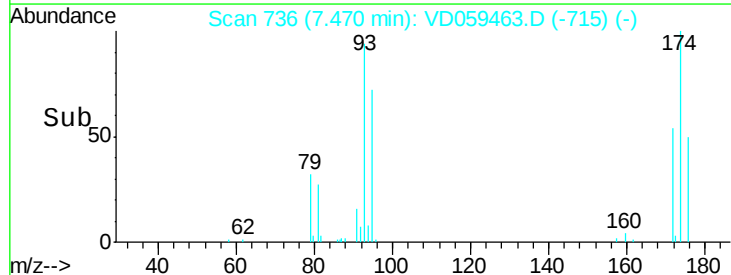
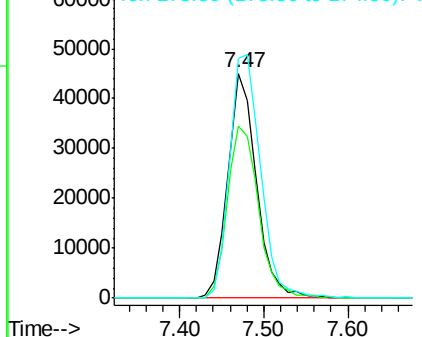
174 106.7 81.4 122.2

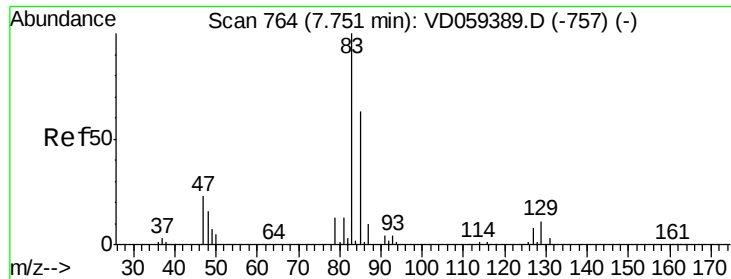


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 22.171 ug/l

RT: 7.76 min Scan# 765

Delta R.T. 0.00 min

Lab File: VD059463.D

Acq: 28 Jun 2018 15:27

Instrument :

MSVOA_D

ClientSampleId :

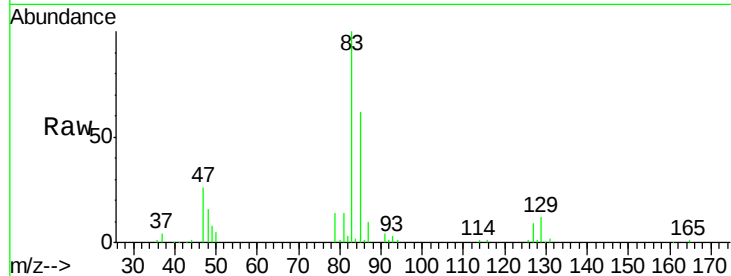
Tot Ion: 83 Resp: 250163

Ion Ratio Lower Upper

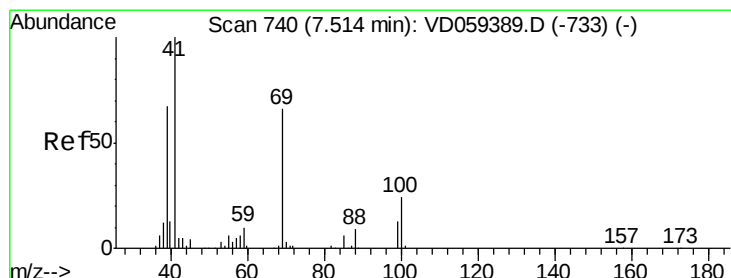
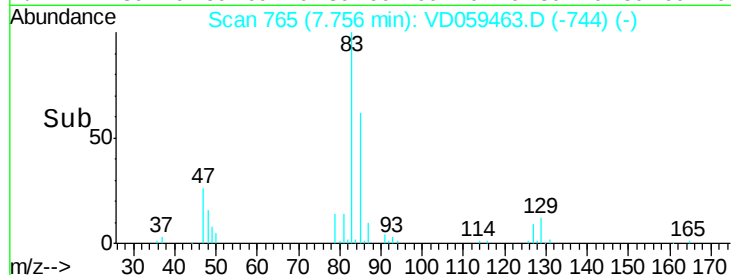
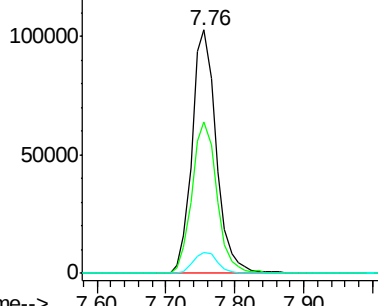
83 100

85 62.4 50.1 75.1

127 8.7 6.1 9.1



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 20.586 ug/l

RT: 7.52 min Scan# 741

Delta R.T. 0.00 min

Lab File: VD059463.D

Acq: 28 Jun 2018 15:27

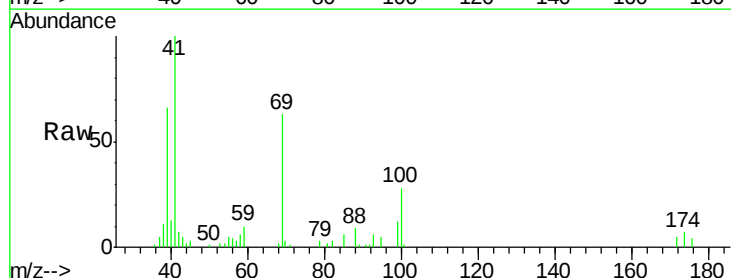
Tgt Ion: 41 Resp: 101190

Ion Ratio Lower Upper

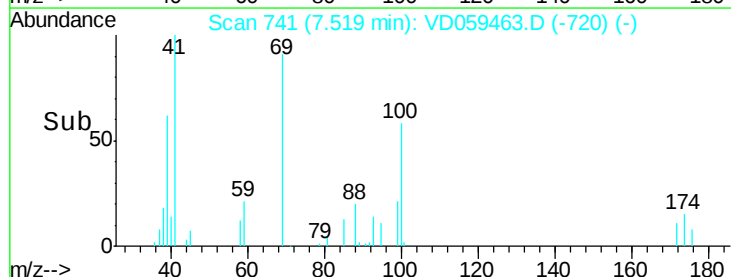
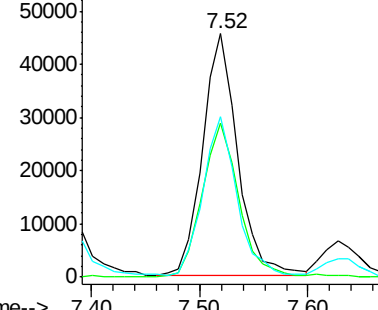
41 100

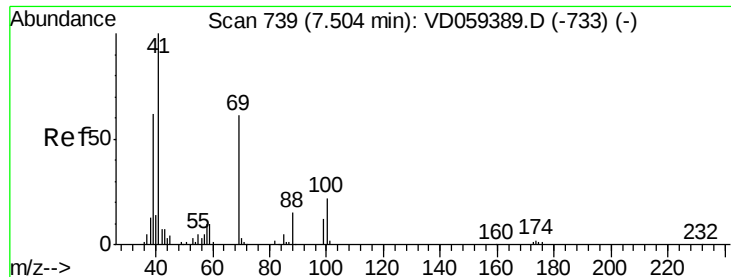
69 63.3 52.6 79.0

39 65.9 53.6 80.4



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC

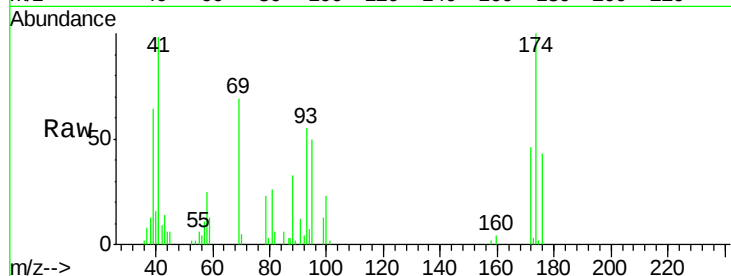




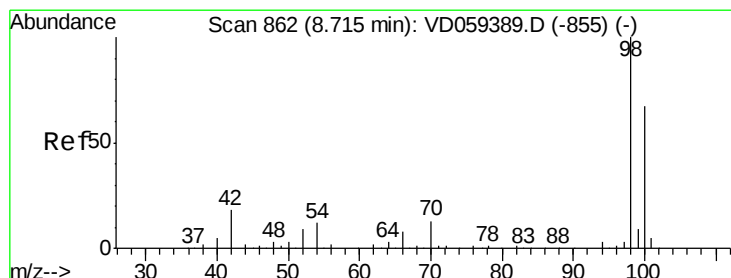
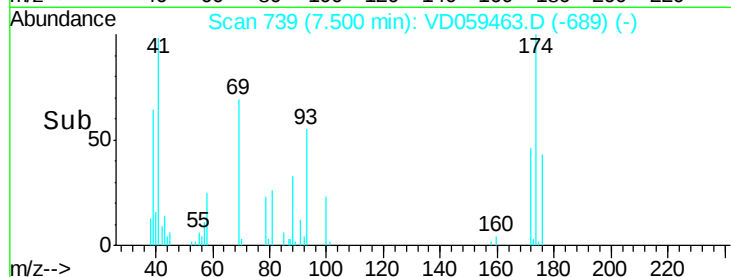
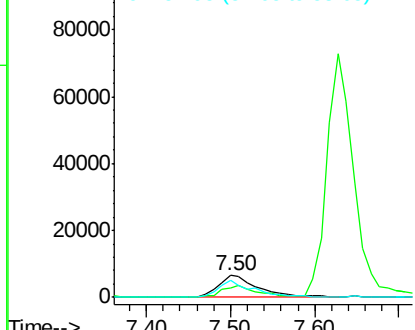
#49
1,4-Dioxane
Concen: 427.228 ug/l
RT: 7.50 min Scan# 739
Delta R.T. -0.00 min
Lab File: VD059463.D
Acq: 28 Jun 2018 15:27

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 88 Resp: 21061
Ion Ratio Lower Upper
88 100
43 42.9 41.0 61.4
58 76.6 53.4 80.0

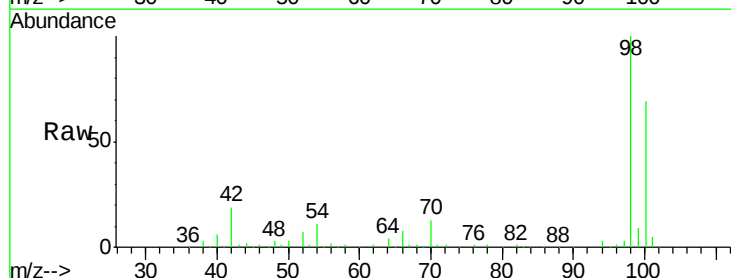


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

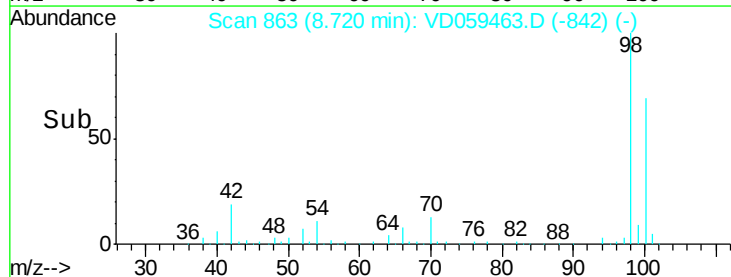
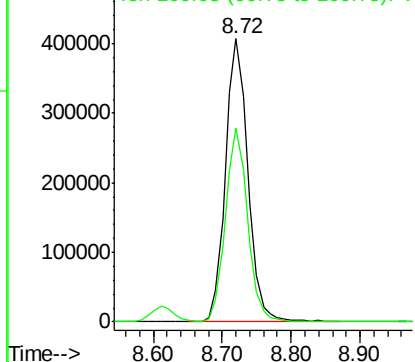


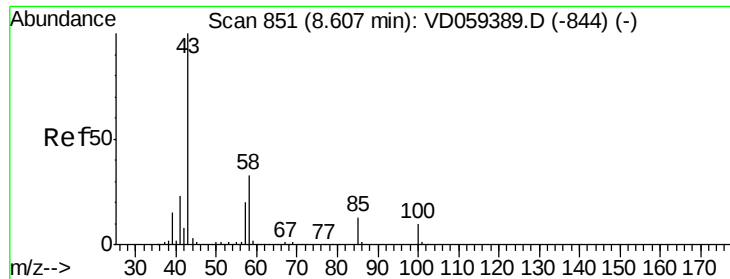
#50
Toluene-d8
Concen: 427.228 ug/l
RT: 8.72 min Scan# 863
Delta R.T. 0.00 min
Lab File: VD059463.D
Acq: 28 Jun 2018 15:27

Tgt Ion: 98 Resp: 916873
Ion Ratio Lower Upper
98 100
100 68.5 54.4 81.6



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 100.870 ug/l

RT: 8.61 min Scan# 852

Delta R.T. 0.00 min

Lab File: VD059463.D

Acq: 28 Jun 2018 15:27

Instrument :

MSVOA_D

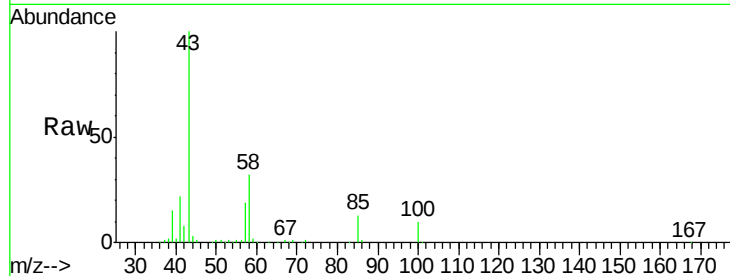
ClientSampleId :

Tot Ion: 43 Resp: 542305

Ion Ratio Lower Upper

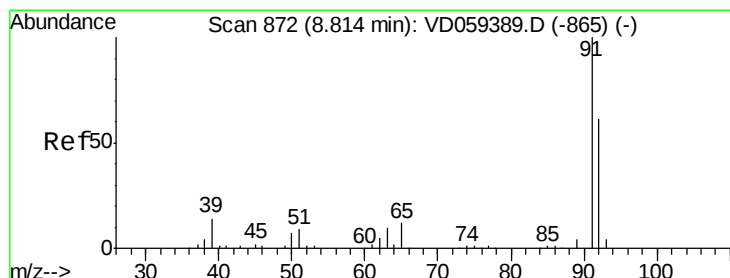
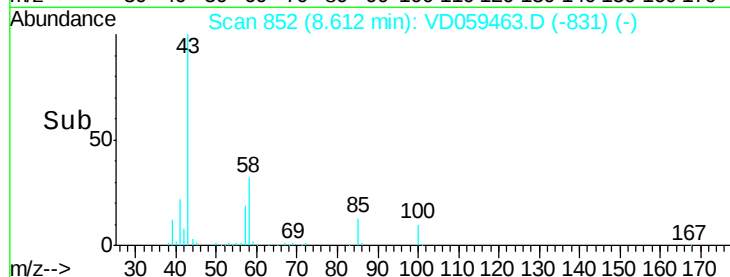
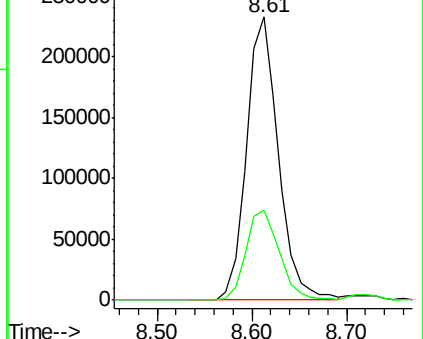
43 100

58 31.7 26.3 39.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 21.762 ug/l

RT: 8.82 min Scan# 873

Delta R.T. 0.00 min

Lab File: VD059463.D

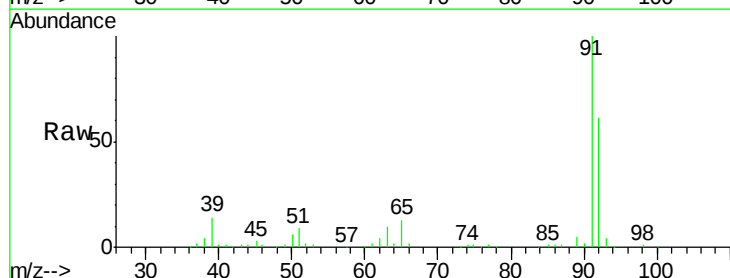
Acq: 28 Jun 2018 15:27

Tgt Ion: 92 Resp: 329038

Ion Ratio Lower Upper

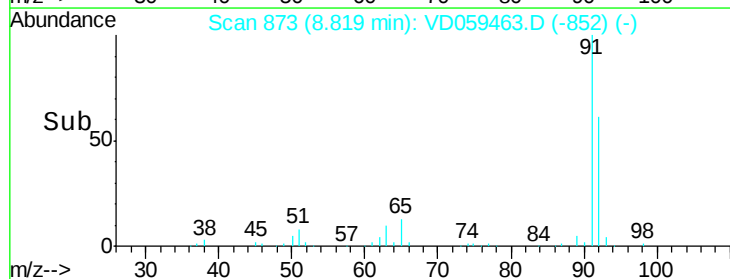
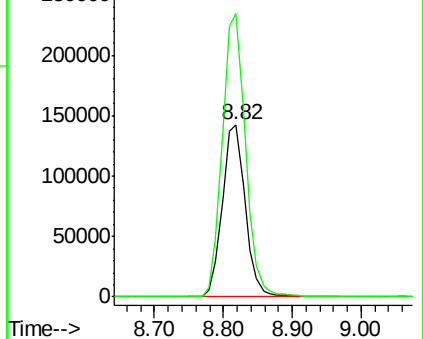
92 100

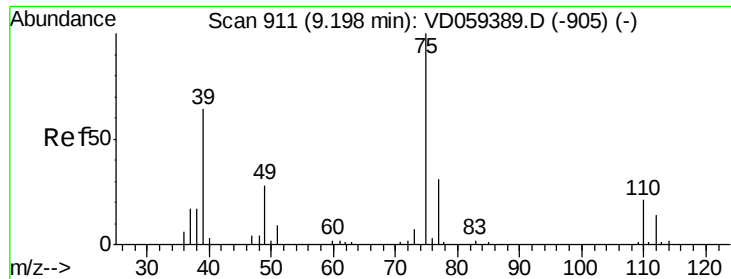
91 164.2 132.2 198.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

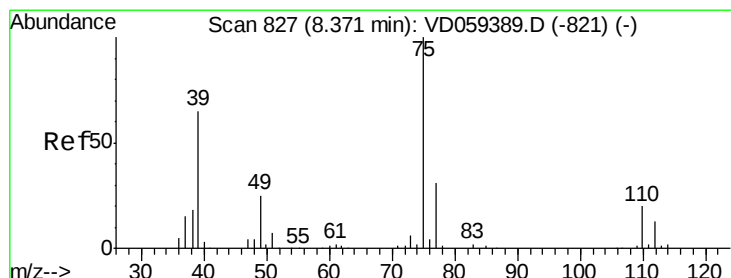
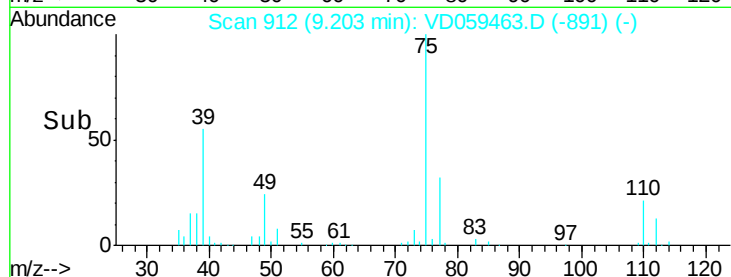
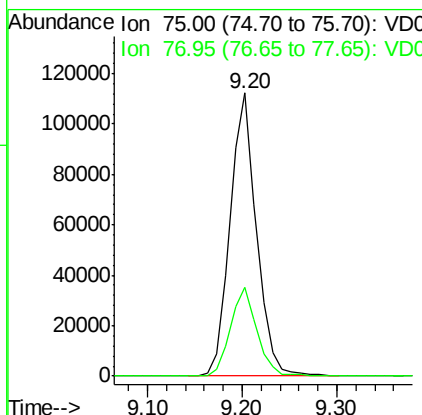
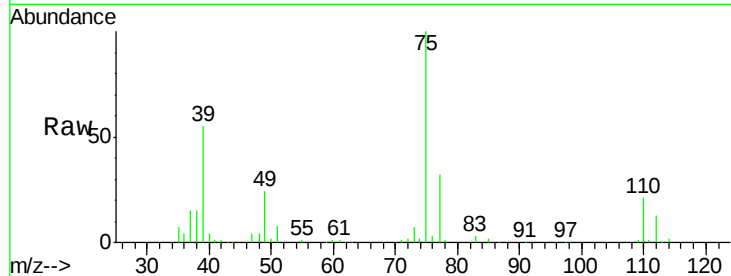




#53
t-1,3-Dichloropropene
Concen: 22.975 ug/l
RT: 9.20 min Scan# 912
Delta R.T. 0.01 min
Lab File: VD059463.D
Acq: 28 Jun 2018 15:27

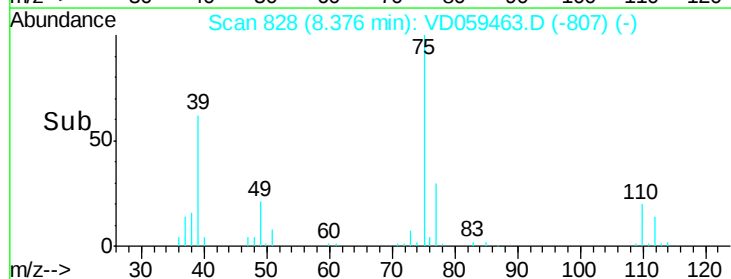
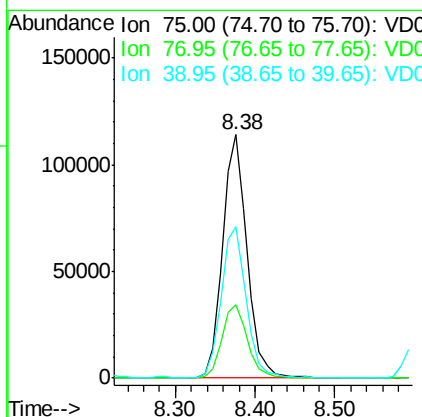
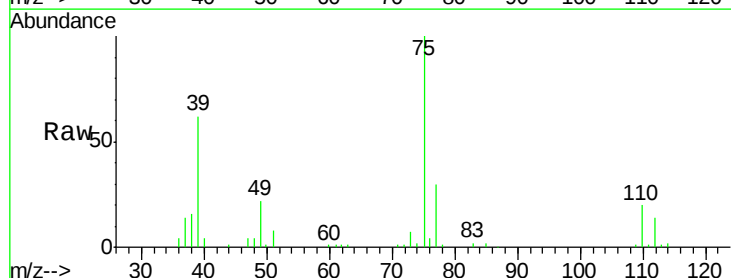
Instrument :
MSVOA_D
ClientSampleId :

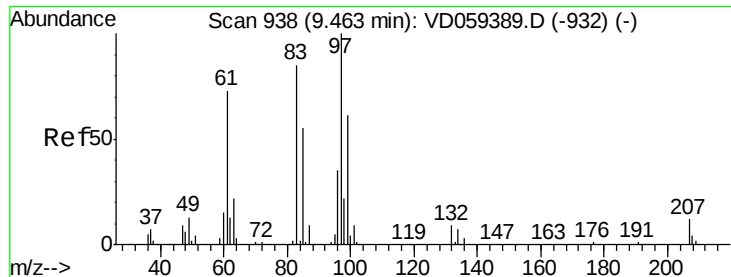
Tot Ion: 75 Resp: 216628
Ion Ratio Lower Upper
75 100
77 31.6 24.6 37.0



#54
cis-1,3-Dichloropropene
Concen: 22.479 ug/l
RT: 8.38 min Scan# 828
Delta R.T. 0.00 min
Lab File: VD059463.D
Acq: 28 Jun 2018 15:27

Tgt Ion: 75 Resp: 245413
Ion Ratio Lower Upper
75 100
77 29.9 24.7 37.1
39 62.4 52.2 78.4





#55

1,1,2-Trichloroethane

Concen: 21.262 ug/l

RT: 9.47 min Scan# 939

Delta R.T. 0.01 min

Lab File: VD059463.D

Acq: 28 Jun 2018 15:27

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 97 Resp: 116713

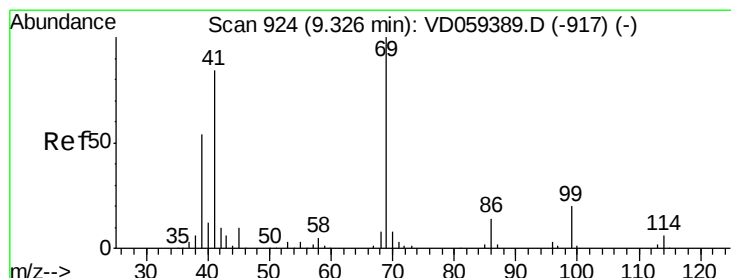
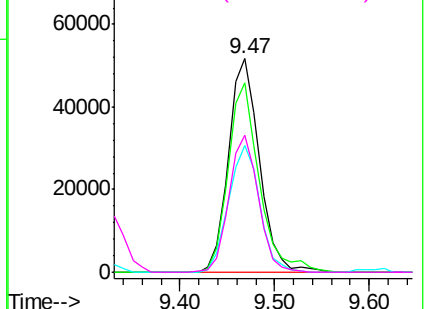
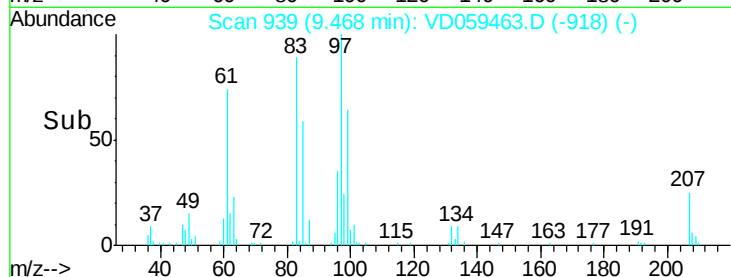
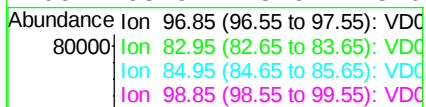
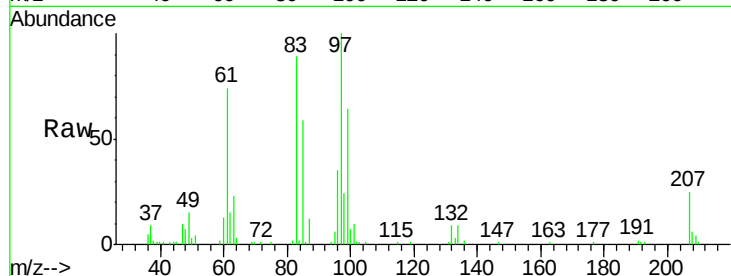
Ion	Ratio	Lower	Upper
97	100		
83	88.9	67.7	101.5
85	59.1	44.3	66.5
99	63.9	48.6	73.0

97 100

83 88.9 67.7 101.5

85 59.1 44.3 66.5

99 63.9 48.6 73.0



#56

Ethyl methacrylate

Concen: 20.939 ug/l

RT: 9.32 min Scan# 924

Delta R.T. -0.00 min

Lab File: VD059463.D

Acq: 28 Jun 2018 15:27

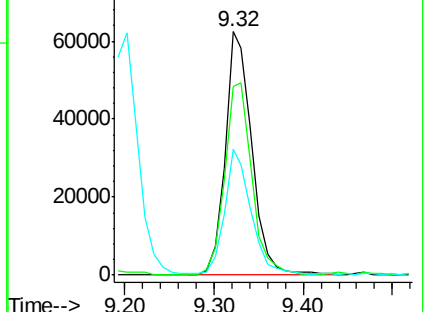
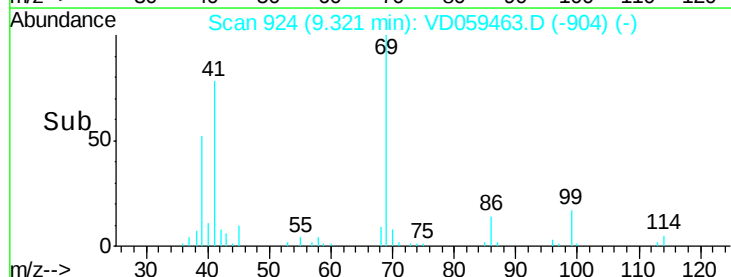
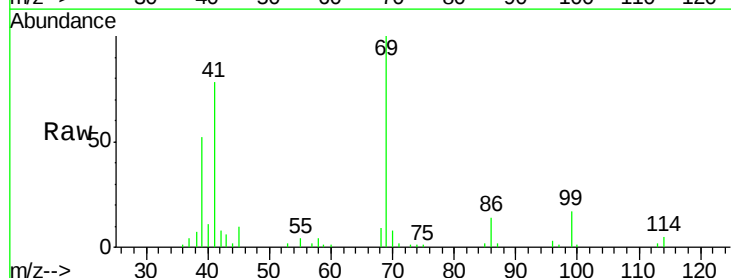
Tgt Ion: 69 Resp: 131156

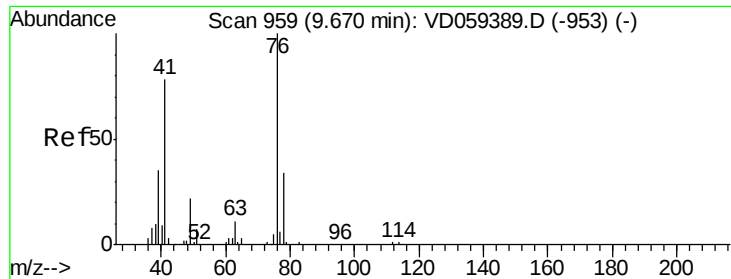
Ion	Ratio	Lower	Upper
69	100		
41	77.7	67.4	101.0
39	51.7	43.7	65.5

69 100

41 77.7 67.4 101.0

39 51.7 43.7 65.5





#57

1,3-Dichloropropane

Concen: 22.426 ug/l

RT: 9.68 min Scan# 960

Delta R.T. 0.00 min

Lab File: VD059463.D

Acq: 28 Jun 2018 15:27

Instrument :

MSVOA_D

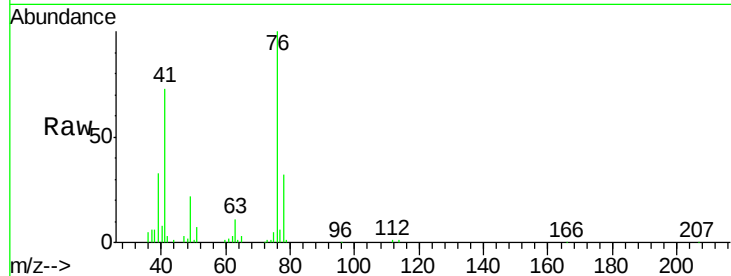
ClientSampleId :

Tot Ion: 76 Resp: 201332

Ion Ratio Lower Upper

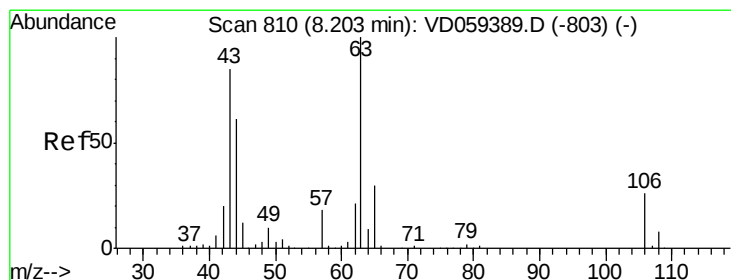
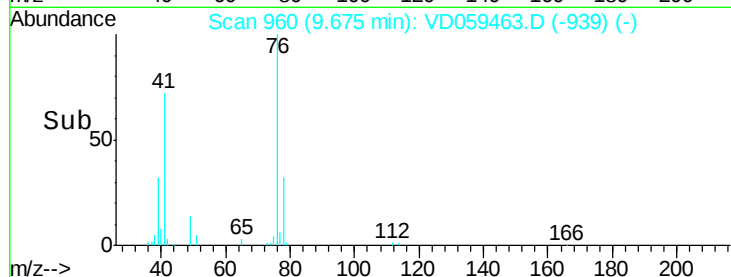
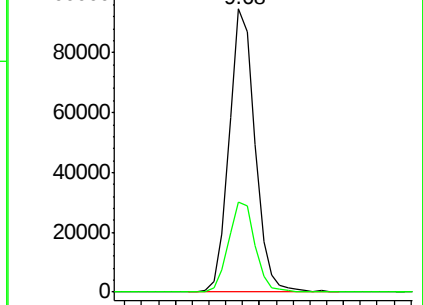
76 100

78 31.9 26.8 40.2



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 104.779 ug/l

RT: 8.20 min Scan# 810

Delta R.T. -0.00 min

Lab File: VD059463.D

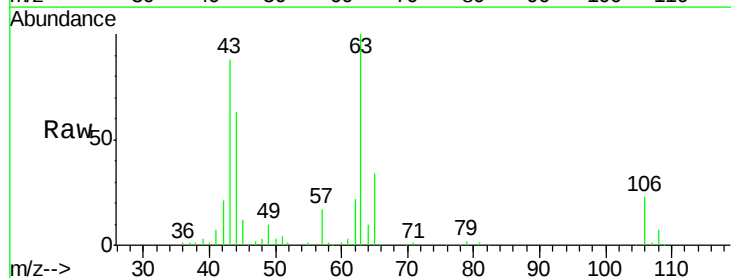
Acq: 28 Jun 2018 15:27

Tgt Ion: 63 Resp: 337869

Ion Ratio Lower Upper

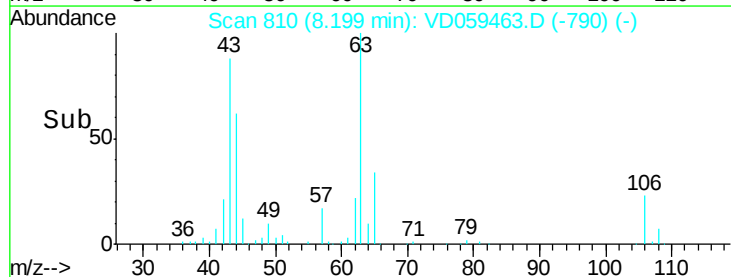
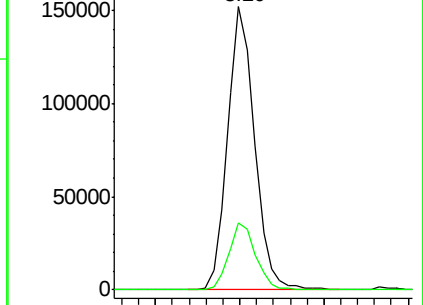
63 100

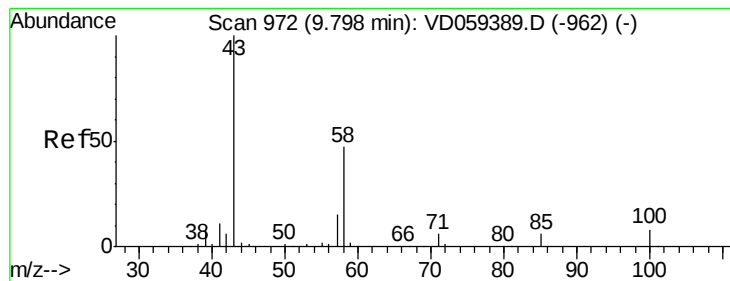
106 23.5 20.6 31.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V





#59

2-Hexanone

Concen: 105.942 ug/l

RT: 9.80 min Scan# 973

Delta R.T. 0.00 min

Lab File: VD059463.D

Acq: 28 Jun 2018 15:27

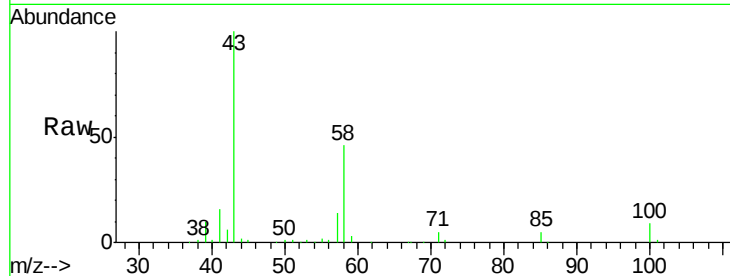
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 404813

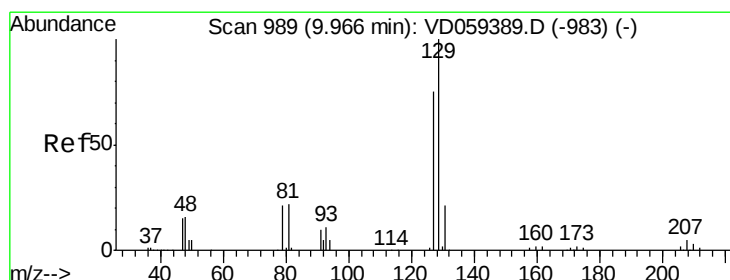
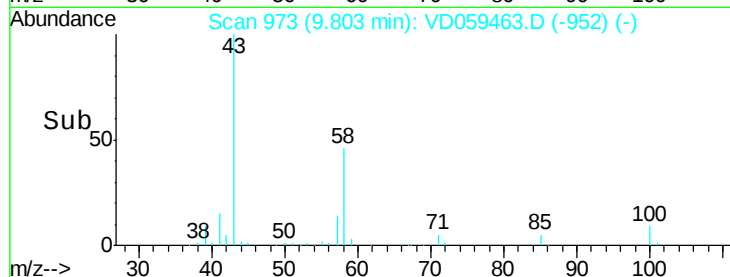
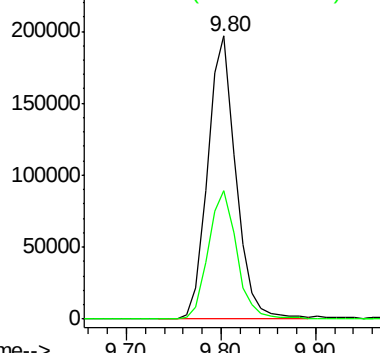
Ion Ratio Lower Upper

43 100

58 45.5 23.3 69.9



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC



#60

Dibromochloromethane

Concen: 20.970 ug/l

RT: 9.97 min Scan# 990

Delta R.T. 0.01 min

Lab File: VD059463.D

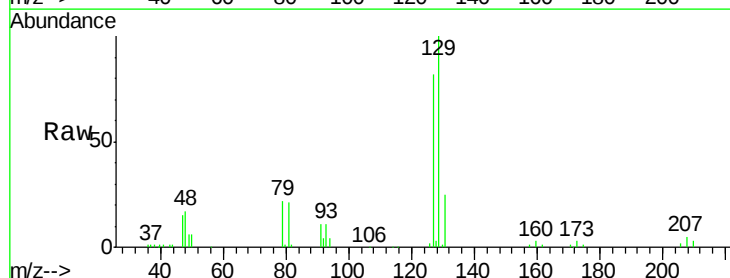
Acq: 28 Jun 2018 15:27

Tgt Ion: 129 Resp: 161199

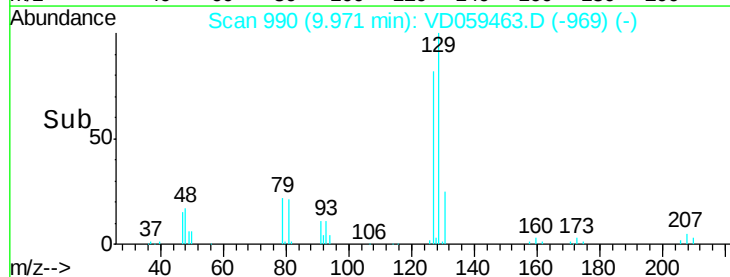
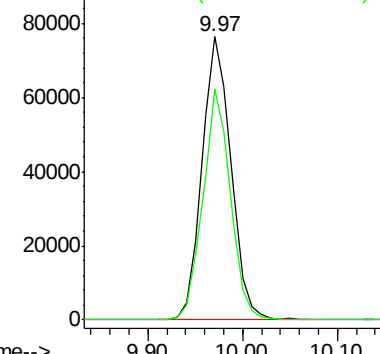
Ion Ratio Lower Upper

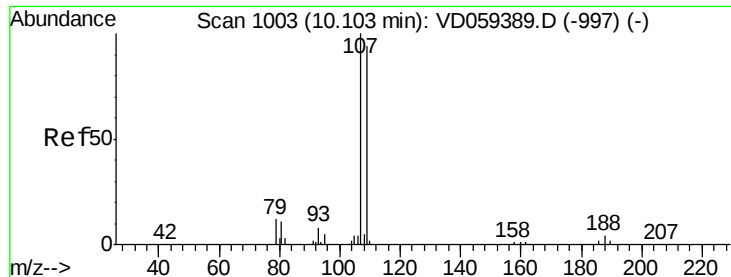
129 100

127 81.6 37.3 111.8



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V





#61

1,2-Dibromoethane

Concen: 20.937 ug/l

RT: 10.11 min Scan# 1004

Delta R.T. 0.00 min

Lab File: VD059463.D

Acq: 28 Jun 2018 15:27

Instrument :

MSVOA_D

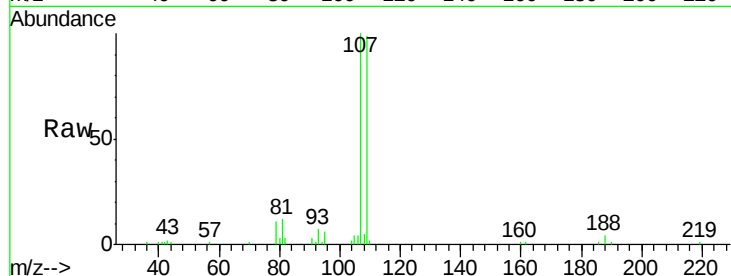
ClientSampleId :

Tot Ion:107 Resp: 127983

Ion Ratio Lower Upper

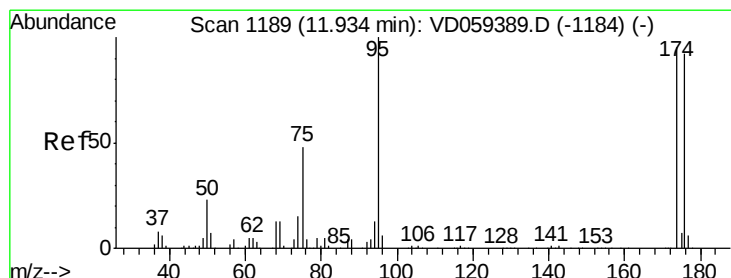
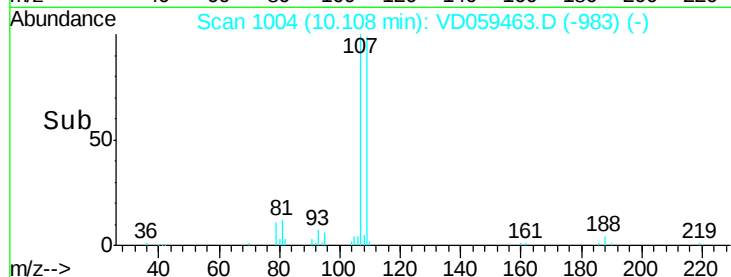
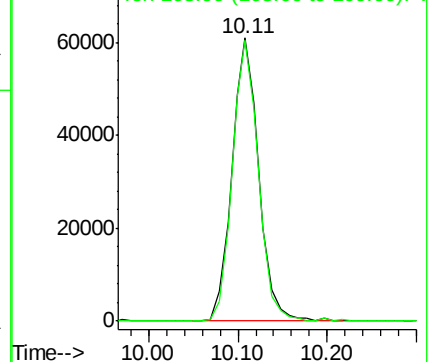
107 100

109 99.1 75.0 112.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 20.937 ug/l

RT: 11.94 min Scan# 1190

Delta R.T. 0.00 min

Lab File: VD059463.D

Acq: 28 Jun 2018 15:27

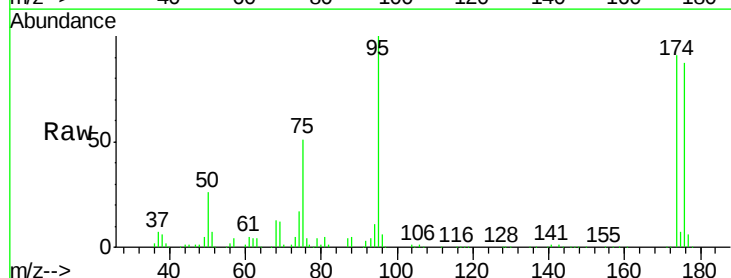
Tgt Ion: 95 Resp: 390783

Ion Ratio Lower Upper

95 100

174 91.4 0.0 190.4

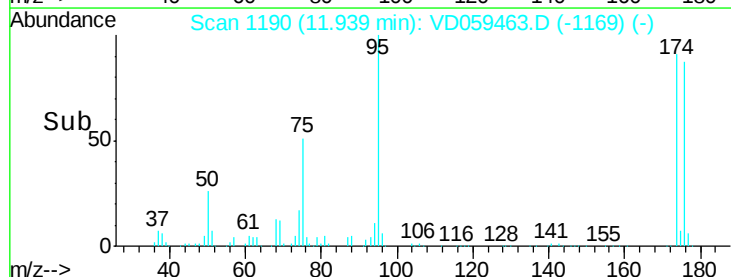
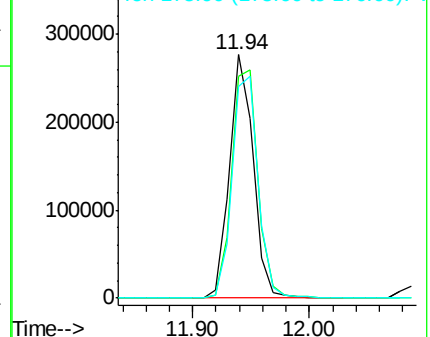
176 86.7 0.0 183.2

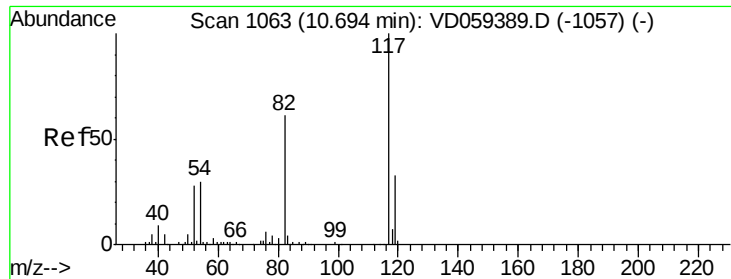


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

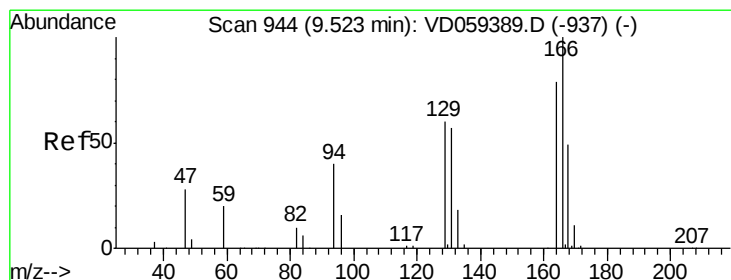
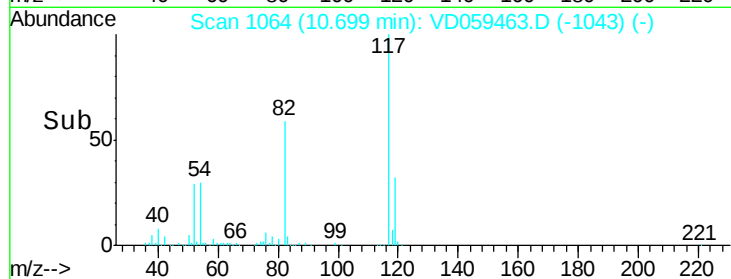
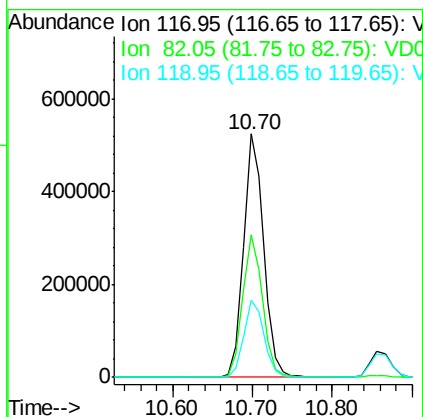
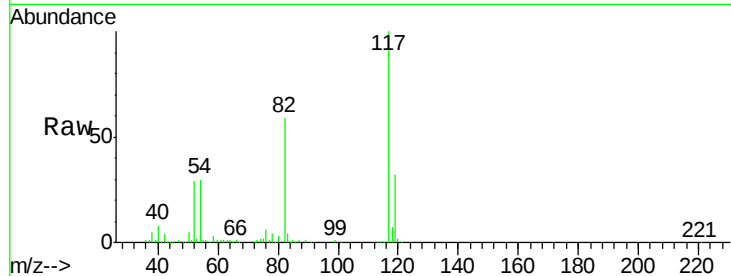




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.70 min Scan# 1064
Delta R.T. 0.00 min
Lab File: VD059463.D
Acq: 28 Jun 2018 15:27

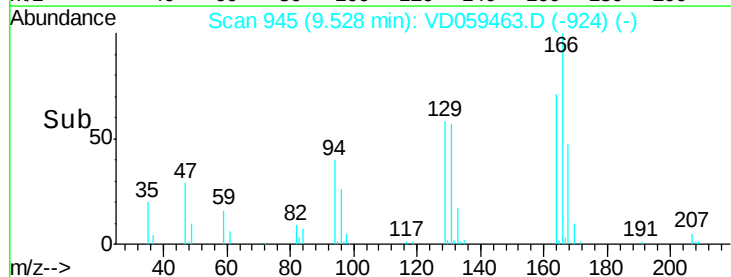
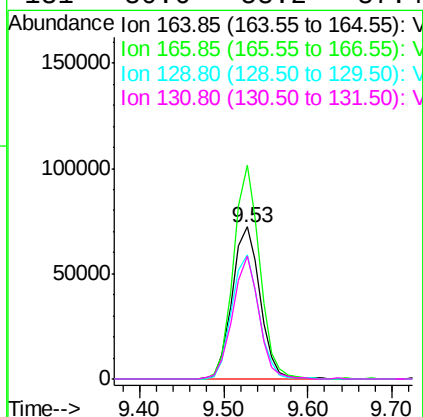
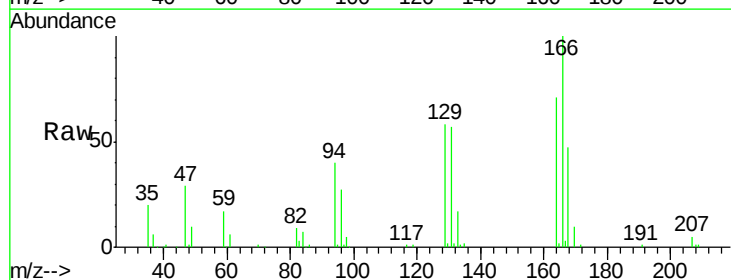
Instrument :
MSVOA_D
ClientSampleId :

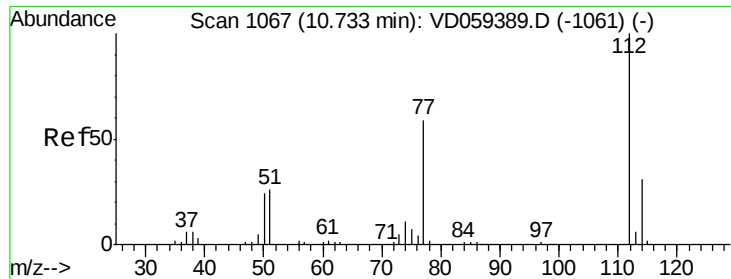
Tot Ion:117 Resp: 910590
Ion Ratio Lower Upper
117 100
82 58.7 49.0 73.6
119 31.6 26.2 39.4



#64
Tetrachloroethene
Concen: 20.913 ug/l
RT: 9.53 min Scan# 945
Delta R.T. 0.01 min
Lab File: VD059463.D
Acq: 28 Jun 2018 15:27

Tgt Ion:164 Resp: 167058
Ion Ratio Lower Upper
164 100
166 140.7 101.4 152.2
129 81.6 60.9 91.3
131 80.6 58.2 87.4

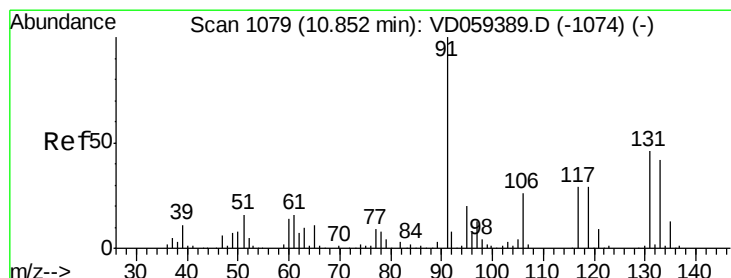
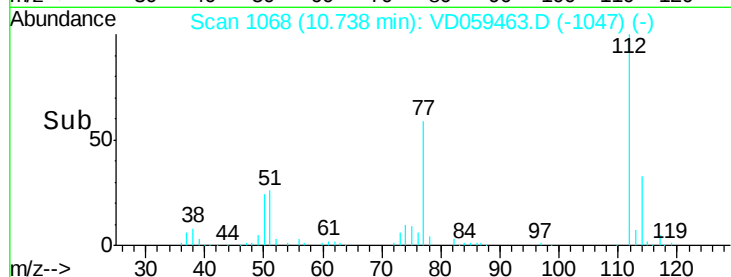
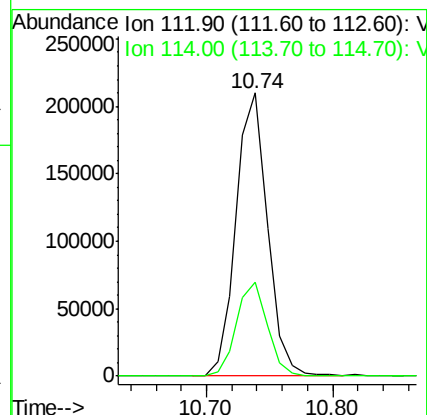
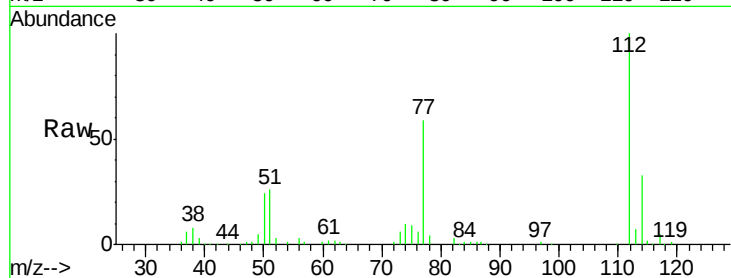




#65
Chlorobenzene
Concen: 21.684 ug/l
RT: 10.74 min Scan# 1068
Delta R.T. 0.00 min
Lab File: VD059463.D
Acq: 28 Jun 2018 15:27

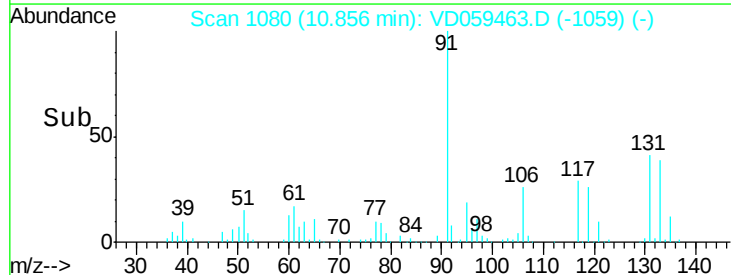
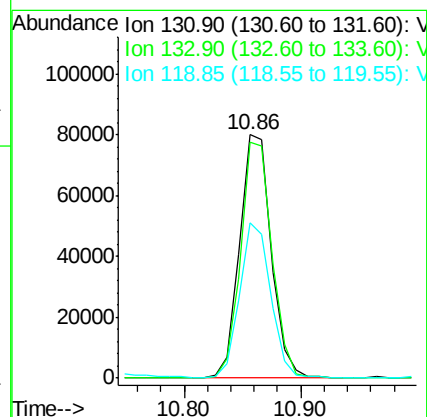
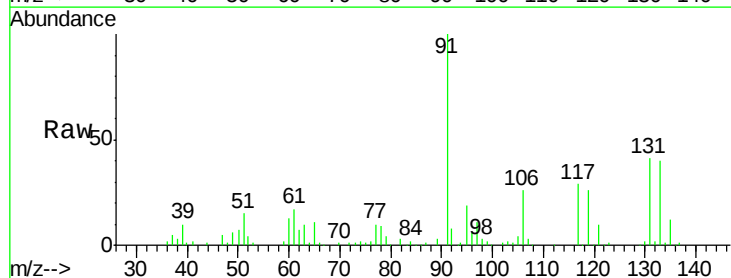
Instrument :
MSVOA_D
ClientSampleId :

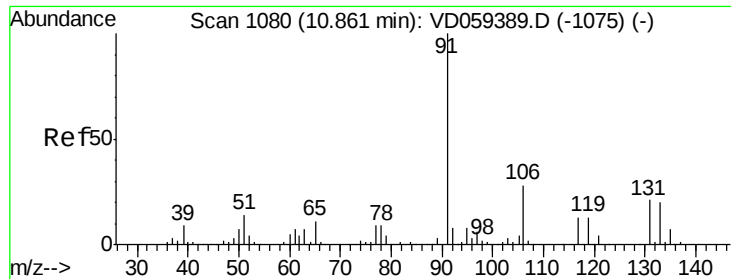
Tot Ion:112 Resp: 361052
Ion Ratio Lower Upper
112 100
114 33.3 24.6 37.0



#66
1,1,1,2-Tetrachloroethane
Concen: 23.519 ug/l
RT: 10.86 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VD059463.D
Acq: 28 Jun 2018 15:27

Tgt Ion:131 Resp: 150316
Ion Ratio Lower Upper
131 100
133 97.1 45.7 137.1
119 63.9 32.3 96.9

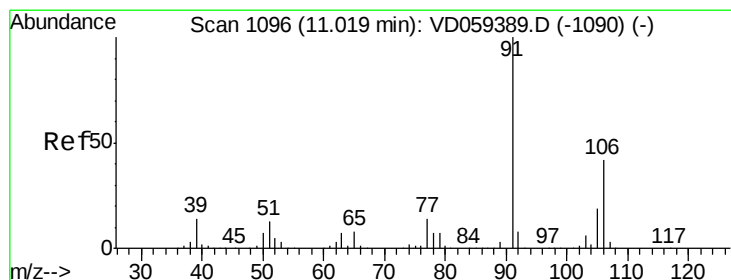
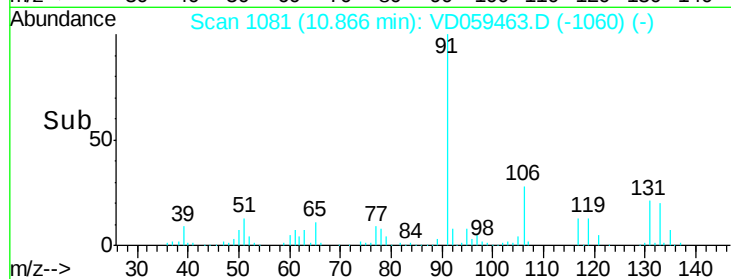
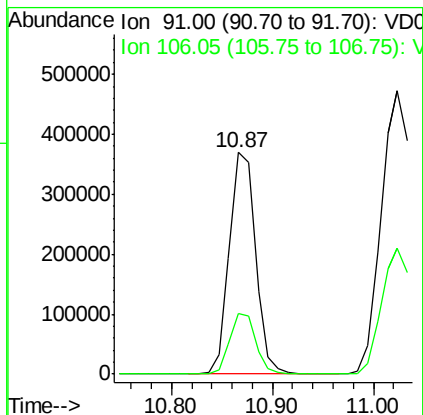
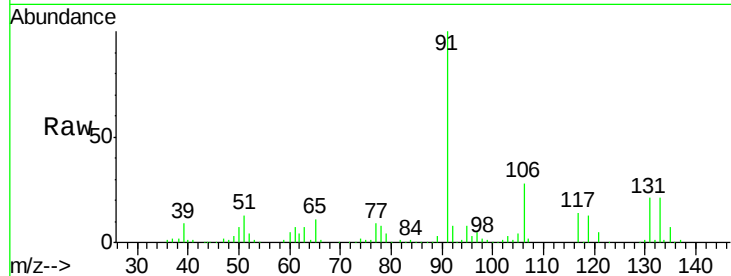




#67
Ethyl Benzene
Concen: 23.900 ug/l
RT: 10.87 min Scan# 1081
Delta R.T. 0.00 min
Lab File: VD059463.D
Acq: 28 Jun 2018 15:27

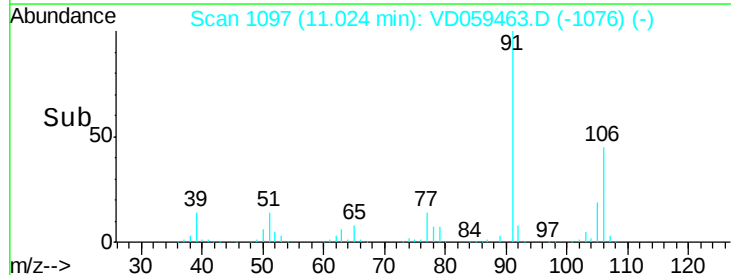
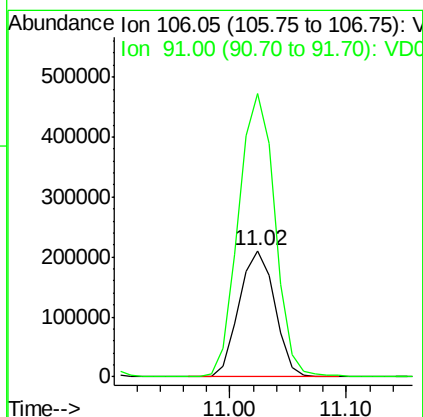
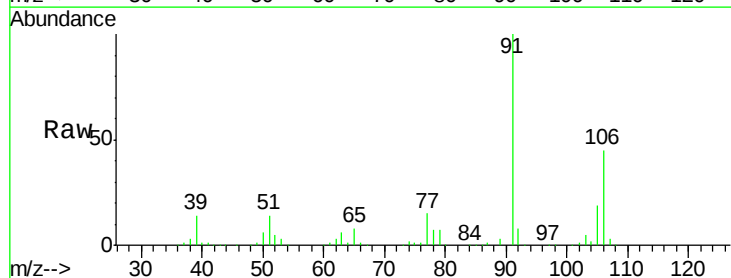
Instrument :
MSVOA_D
ClientSampled :

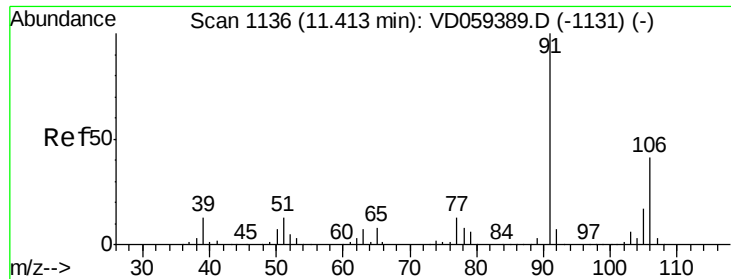
Tot Ion: 91 Resp: 671486
Ion Ratio Lower Upper
91 100
106 27.6 22.3 33.5



#68
m/p-Xylenes
Concen: 48.128 ug/l
RT: 11.02 min Scan# 1097
Delta R.T. 0.00 min
Lab File: VD059463.D
Acq: 28 Jun 2018 15:27

Tgt Ion: 106 Resp: 448636
Ion Ratio Lower Upper
106 100
91 223.6 191.0 286.6

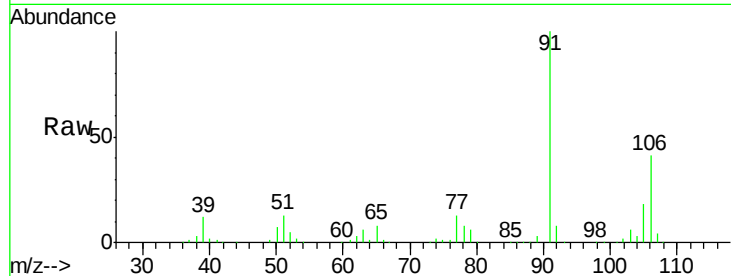




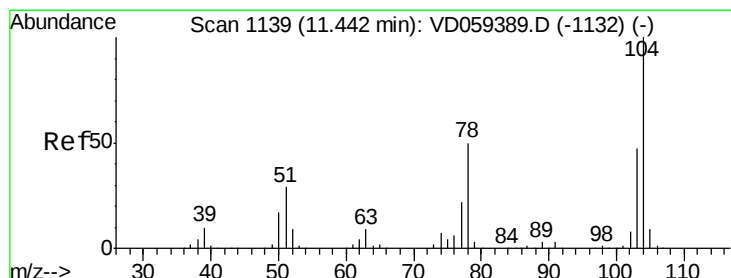
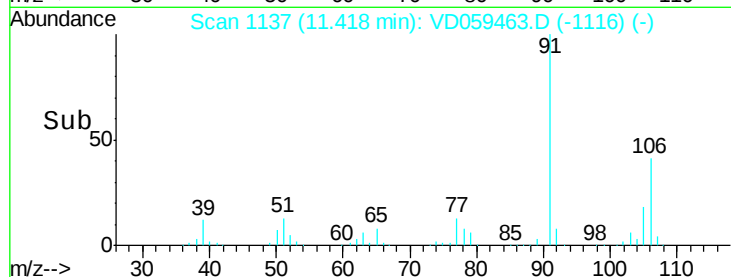
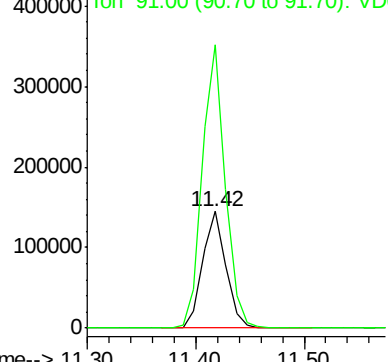
#69
o-Xylene
Concen: 23.756 ug/l
RT: 11.42 min Scan# 1137
Delta R.T. 0.00 min
Lab File: VD059463.D
Acq: 28 Jun 2018 15:27

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 218935
Ion Ratio Lower Upper
106 100
91 242.1 121.0 362.8

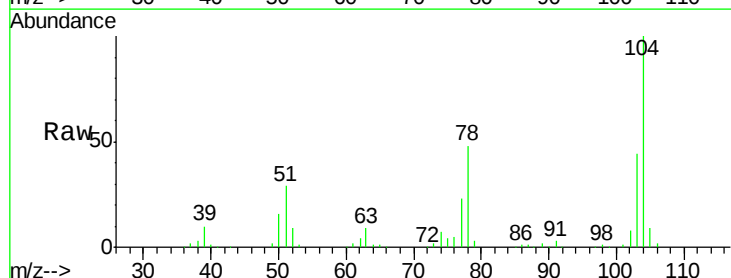


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

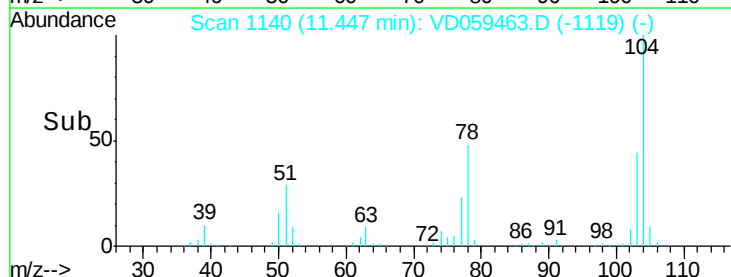
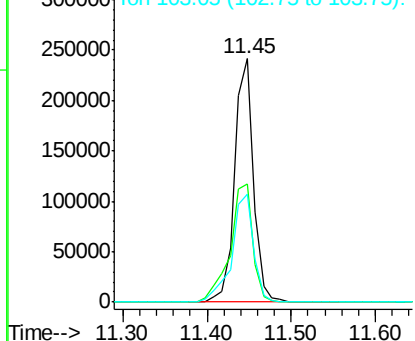


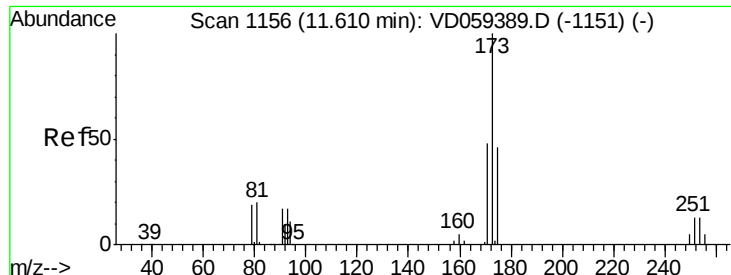
#70
Styrene
Concen: 23.625 ug/l
RT: 11.45 min Scan# 1140
Delta R.T. 0.00 min
Lab File: VD059463.D
Acq: 28 Jun 2018 15:27

Tgt Ion:104 Resp: 373212
Ion Ratio Lower Upper
104 100
78 48.4 40.2 60.4
103 44.2 37.8 56.8



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): VDC
Ion 103.05 (102.75 to 103.75): V

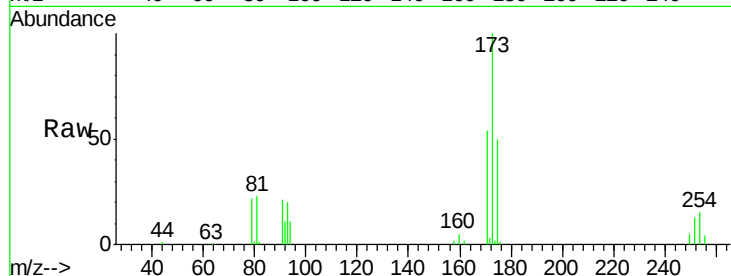




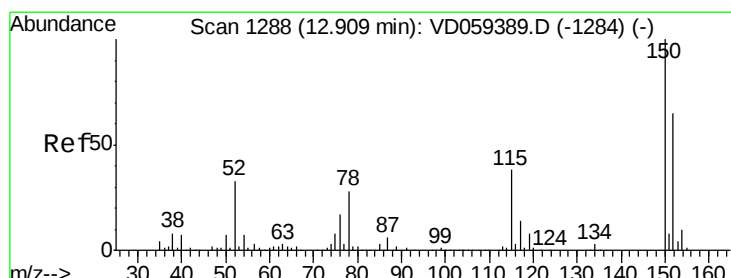
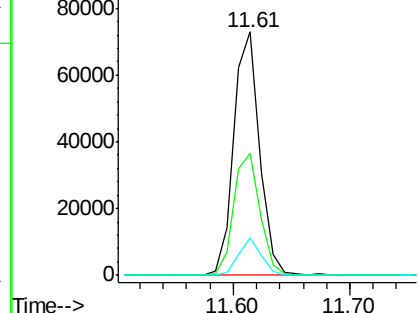
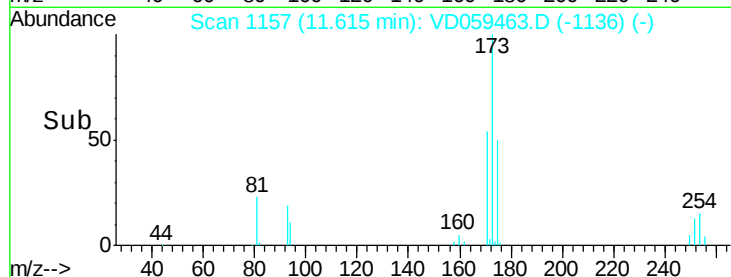
#71
Bromoform
Concen: 21.133 ug/l
RT: 11.61 min Scan# 1157
Delta R.T. 0.00 min
Lab File: VD059463.D
Acq: 28 Jun 2018 15:27

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:173 Resp: 111895
Ion Ratio Lower Upper
173 100
175 50.0 22.8 68.4
254 15.3 10.1 15.1#

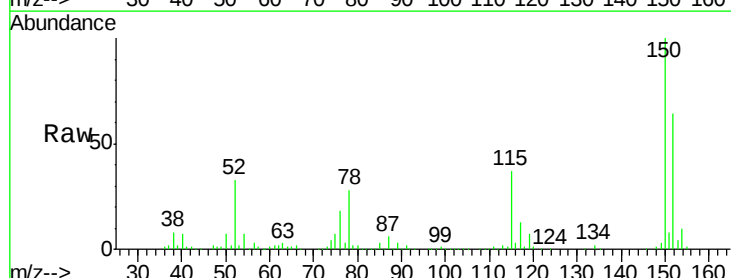


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

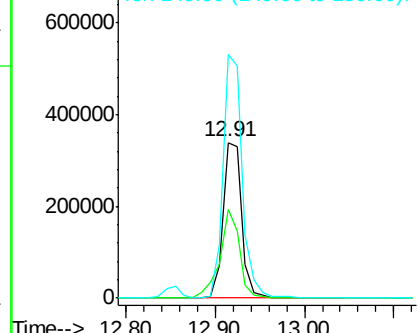
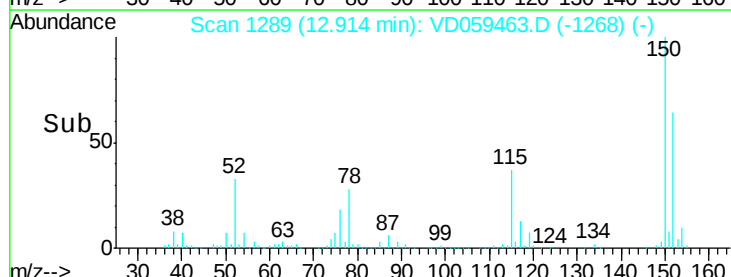


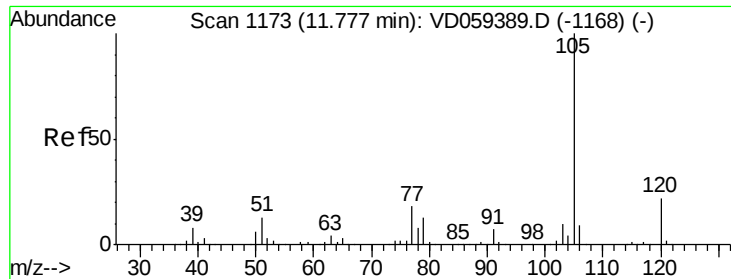
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.91 min Scan# 1289
Delta R.T. 0.01 min
Lab File: VD059463.D
Acq: 28 Jun 2018 15:27

Tgt Ion:152 Resp: 496902
Ion Ratio Lower Upper
152 100
115 57.1 29.4 88.3
150 156.3 0.0 308.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.447 ug/l

RT: 11.78 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VD059463.D

Acq: 28 Jun 2018 15:27

Instrument :

MSVOA_D

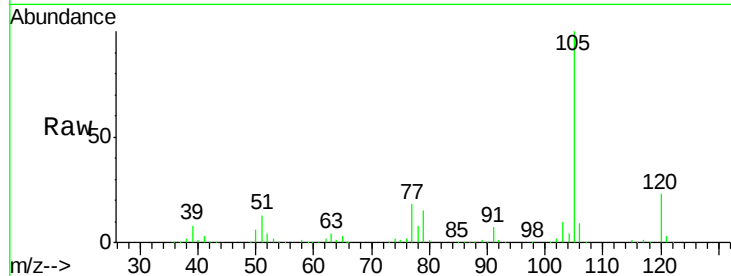
ClientSampleId :

Tot Ion:105 Resp: 601387

Ion Ratio Lower Upper

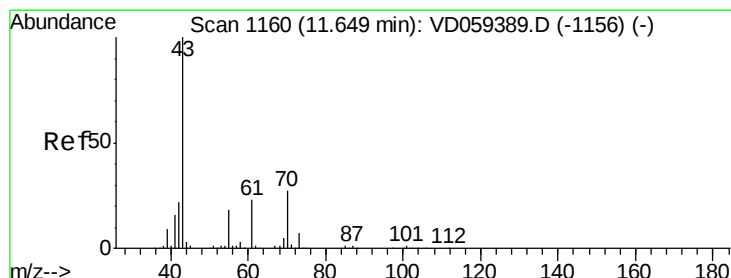
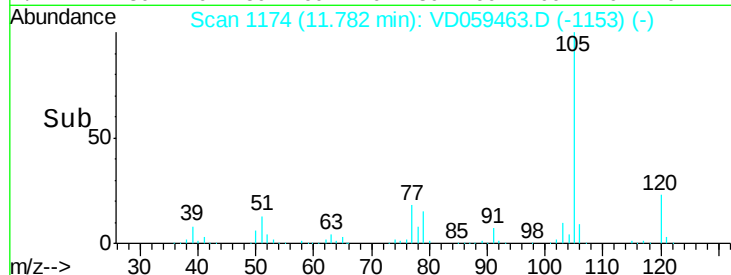
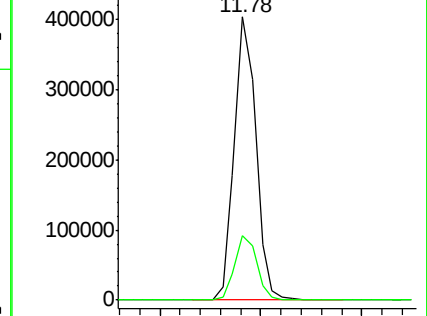
105 100

120 22.6 11.0 33.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 20.165 ug/l

RT: 11.65 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VD059463.D

Acq: 28 Jun 2018 15:27

Tgt Ion: 43 Resp: 215134

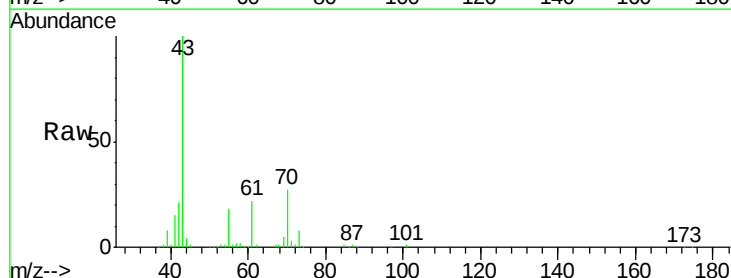
Ion Ratio Lower Upper

43 100

70 27.1 21.7 32.5

55 17.9 14.6 22.0

61 22.0 18.0 27.0

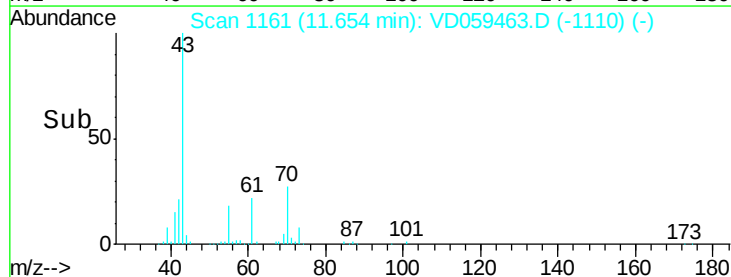
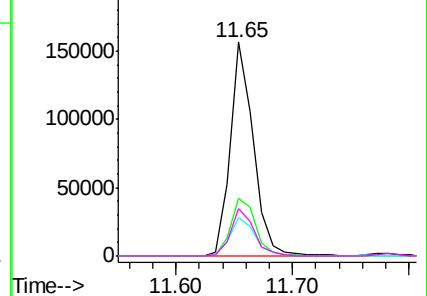


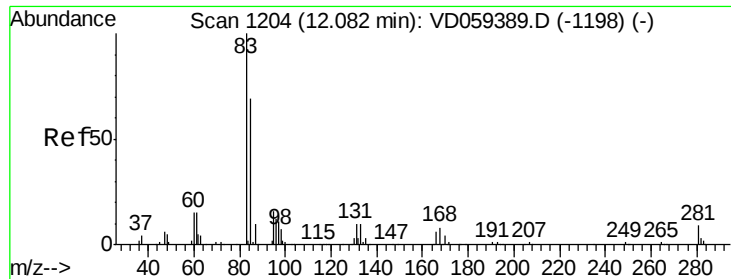
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 20.369 ug/l

RT: 12.09 min Scan# 1205

Delta R.T. 0.00 min

Lab File: VD059463.D

Acq: 28 Jun 2018 15:27

Instrument :

MSVOA_D

ClientSampleId :

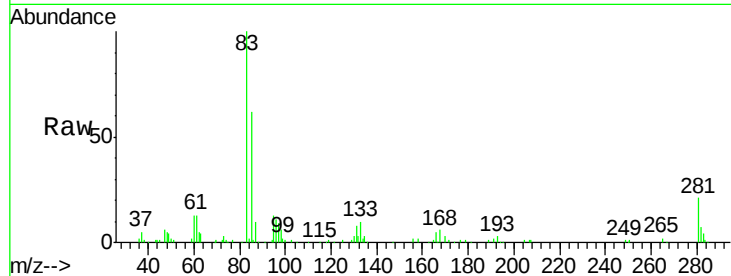
Tot Ion: 83 Resp: 133996

Ion Ratio Lower Upper

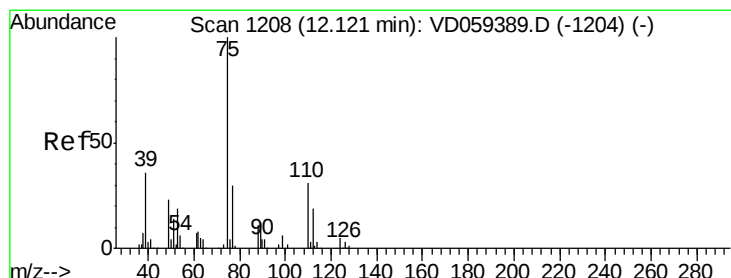
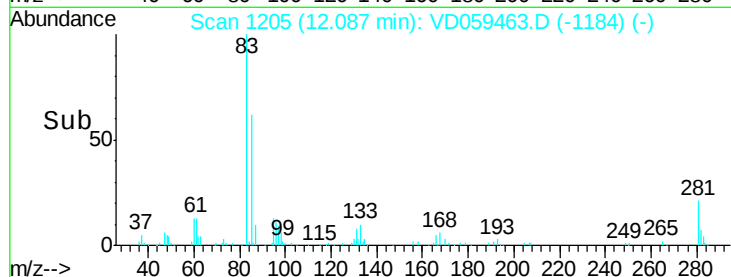
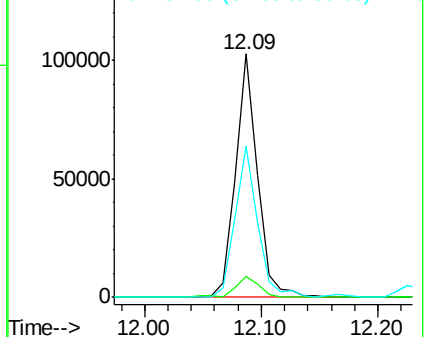
83 100

131 8.4 4.9 14.6

85 62.2 34.6 103.8



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 130.90 (130.60 to 131.60): VDC
Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 20.797 ug/l

RT: 12.13 min Scan# 1209

Delta R.T. 0.01 min

Lab File: VD059463.D

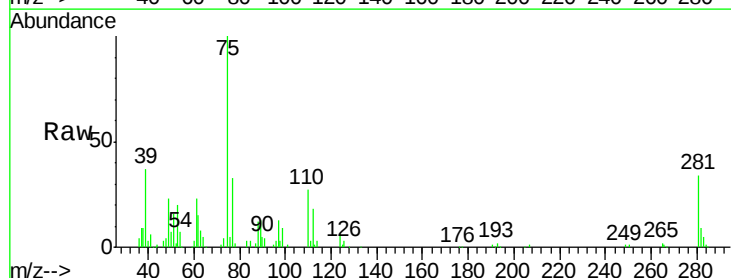
Acq: 28 Jun 2018 15:27

Tgt Ion: 75 Resp: 142544

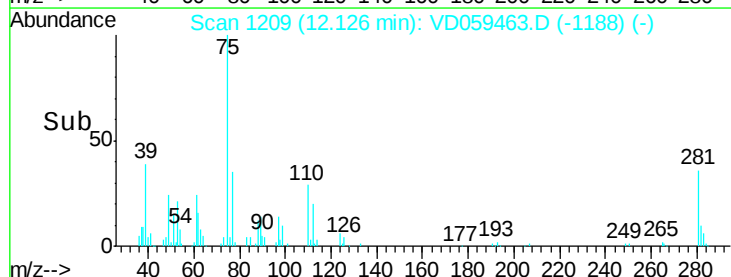
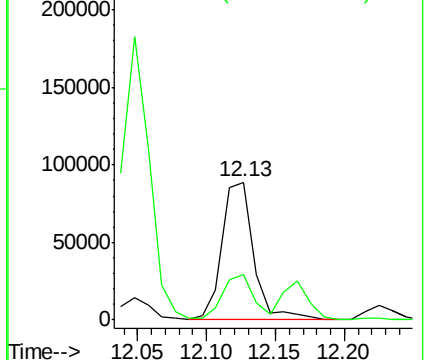
Ion Ratio Lower Upper

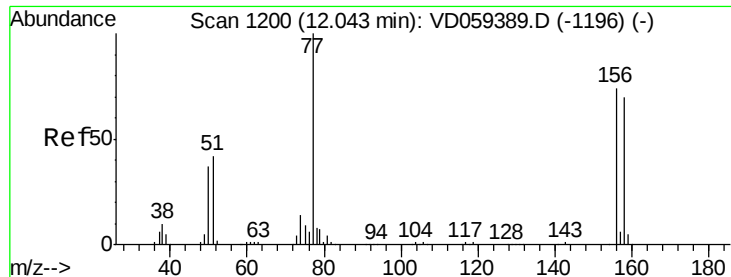
75 100

77 33.2 15.6 46.8



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 21.261 ug/l

RT: 12.05 min Scan# 1201

Delta R.T. 0.00 min

Lab File: VD059463.D

Acq: 28 Jun 2018 15:27

Instrument :

MSVOA_D

ClientSampleId :

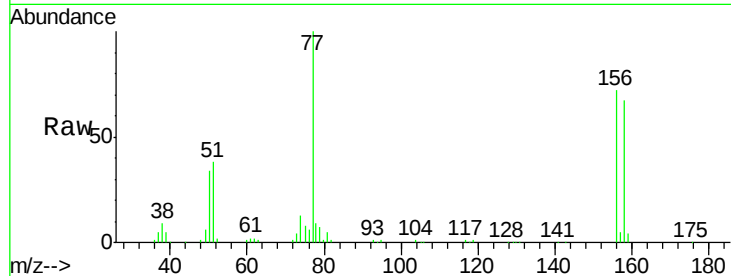
Tot Ion:156 Resp: 187638

Ion Ratio Lower Upper

156 100

77 138.9 68.0 203.8

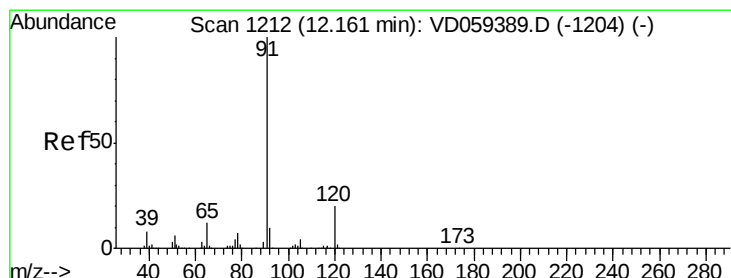
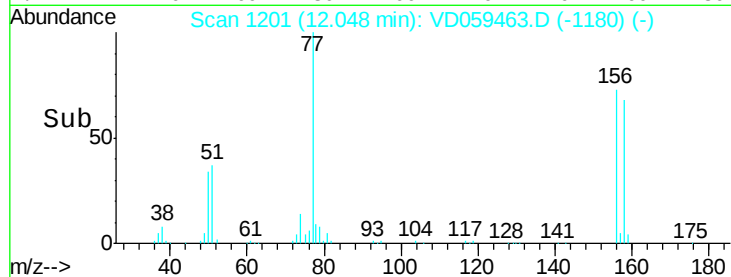
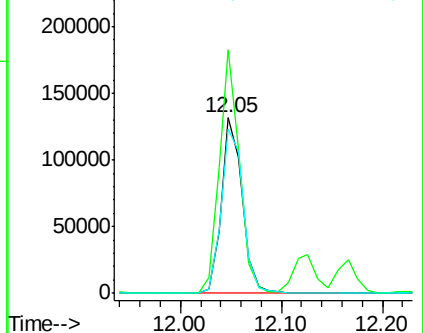
158 93.6 47.7 143.1



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 23.219 ug/l

RT: 12.17 min Scan# 1213

Delta R.T. 0.01 min

Lab File: VD059463.D

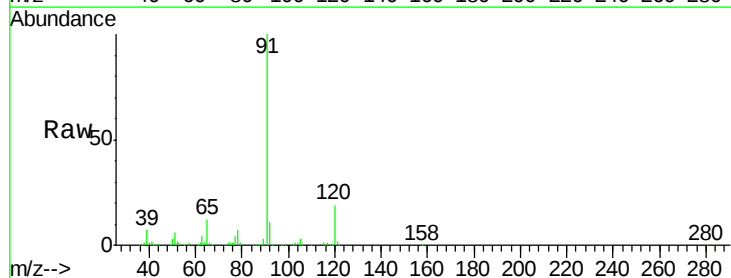
Acq: 28 Jun 2018 15:27

Tgt Ion: 91 Resp: 824613

Ion Ratio Lower Upper

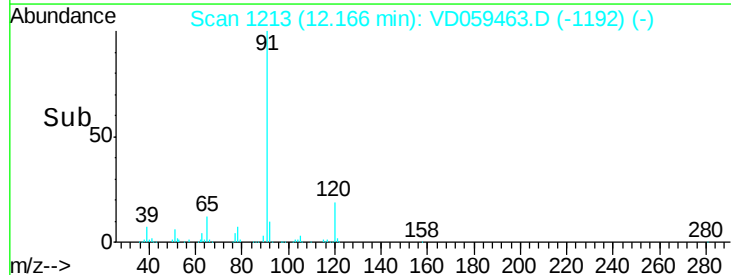
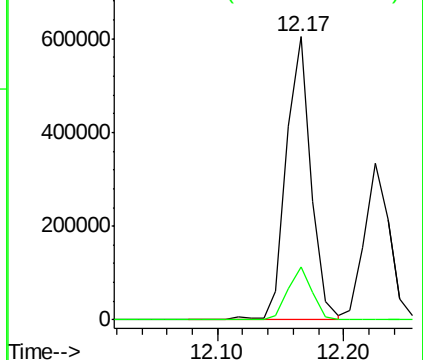
91 100

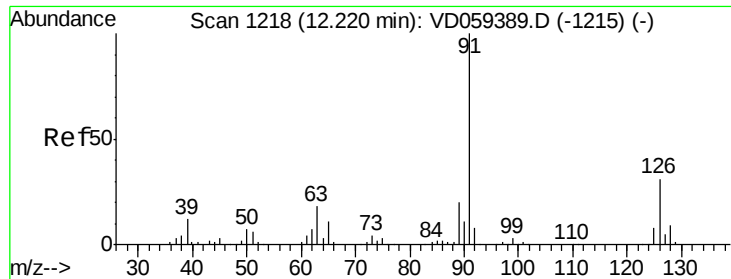
120 18.9 10.0 29.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

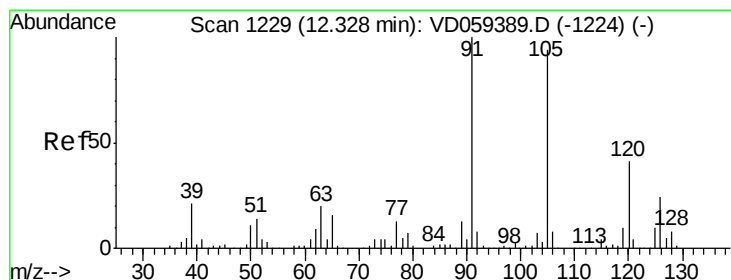
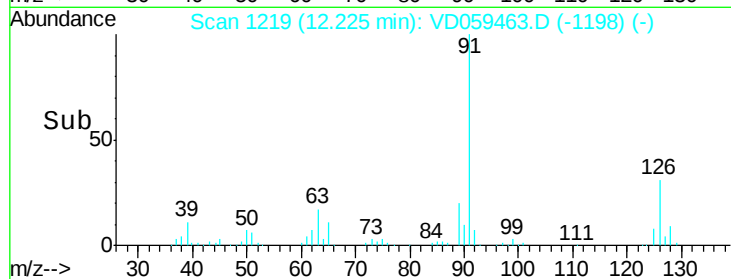
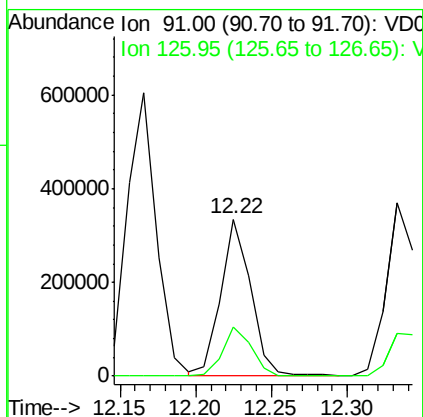
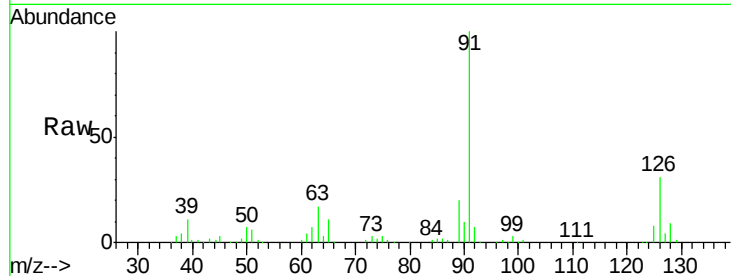




#79
 2-Chlorotoluene
 Concen: 22.011 ug/l
 RT: 12.22 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VD059463.D
 Acq: 28 Jun 2018 15:27

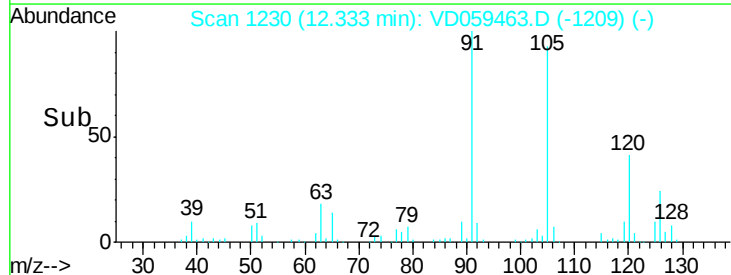
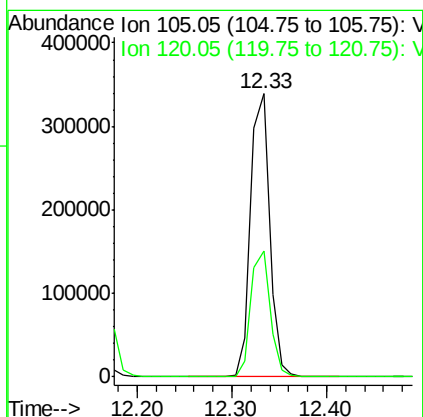
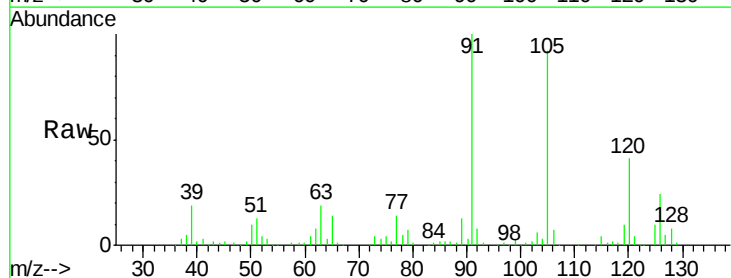
Instrument :
 MSVOA_D
 ClientSampleId :

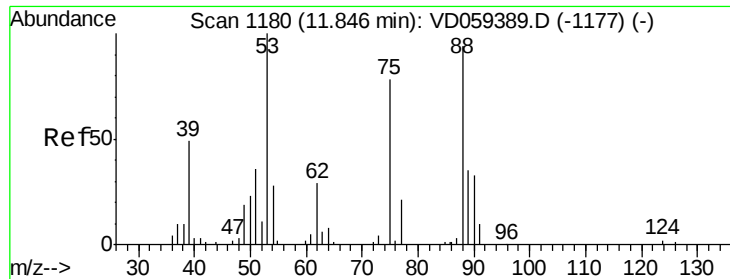
Tot Ion: 91 Resp: 459061
 Ion Ratio Lower Upper
 91 100
 126 31.4 15.2 45.5



#80
 1,3,5-Trimethylbenzene
 Concen: 21.335 ug/l
 RT: 12.33 min Scan# 1230
 Delta R.T. 0.00 min
 Lab File: VD059463.D
 Acq: 28 Jun 2018 15:27

Tgt Ion: 105 Resp: 476262
 Ion Ratio Lower Upper
 105 100
 120 44.5 21.9 65.7





#81

trans-1,4-Dichloro-2-butene

Concen: 22.428 ug/l

RT: 11.85 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD059463.D

Acq: 28 Jun 2018 15:27

Instrument :

MSVOA_D

ClientSampleId :

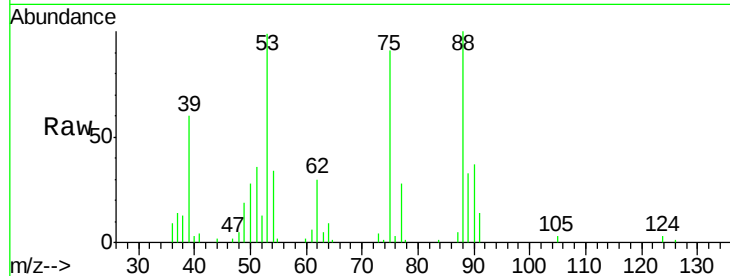
Tot Ion: 75 Resp: 34939

Ion Ratio Lower Upper

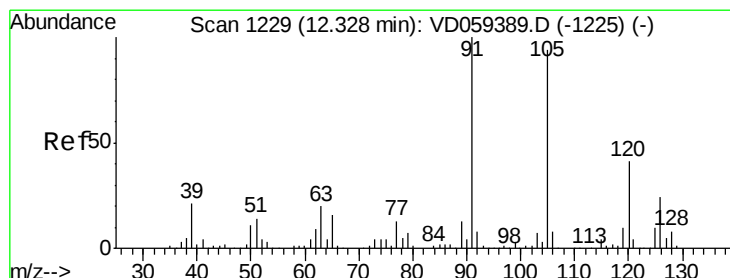
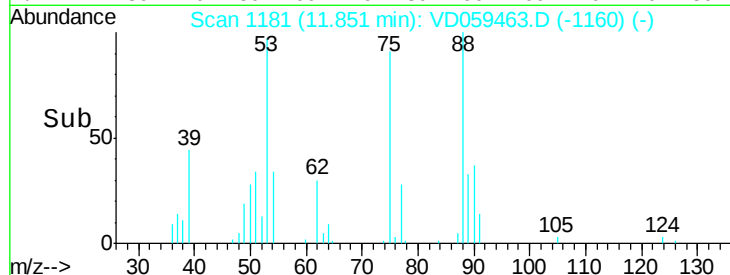
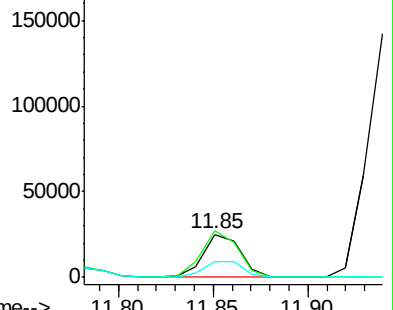
75 100

53 108.2 102.6 154.0

89 36.5 35.9 53.9



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 21.474 ug/l

RT: 12.33 min Scan# 1230

Delta R.T. 0.00 min

Lab File: VD059463.D

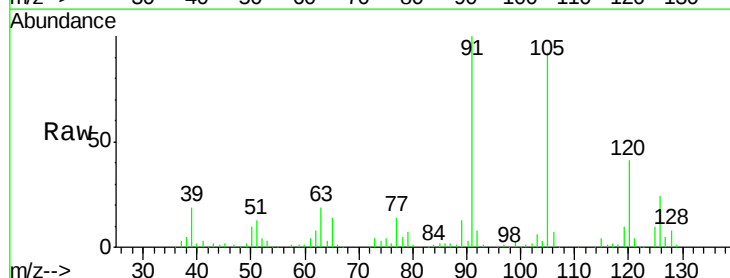
Acq: 28 Jun 2018 15:27

Tgt Ion: 91 Resp: 507853

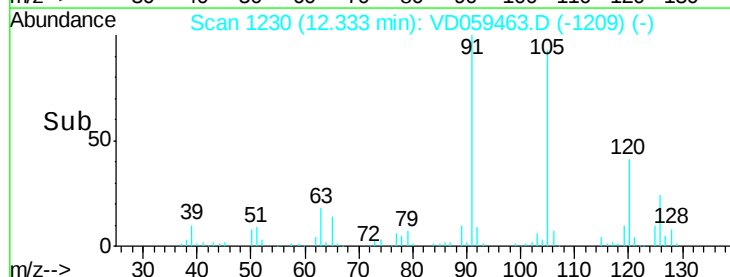
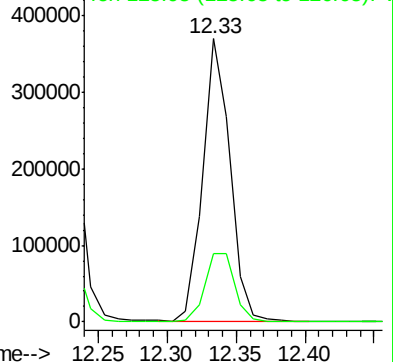
Ion Ratio Lower Upper

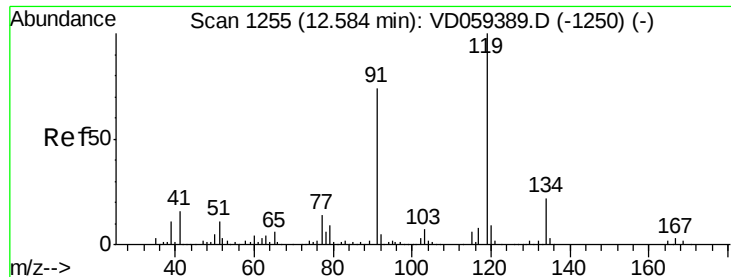
91 100

126 24.3 12.2 36.6



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.95 (125.65 to 126.65): V





#83

tert-Butylbenzene

Concen: 23.915 ug/l

RT: 12.59 min Scan# 1256

Delta R.T. 0.01 min

Lab File: VD059463.D

Acq: 28 Jun 2018 15:27

Instrument :

MSVOA_D

ClientSampleId :

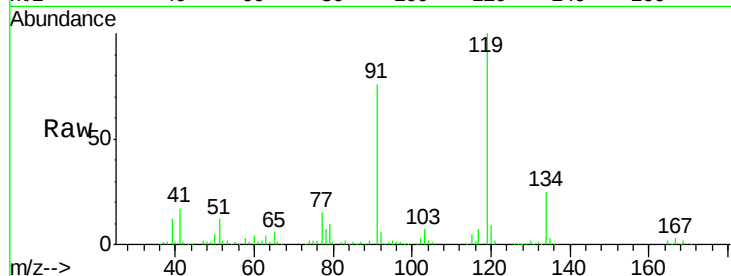
Tot Ion:119 Resp: 567878

Ion Ratio Lower Upper

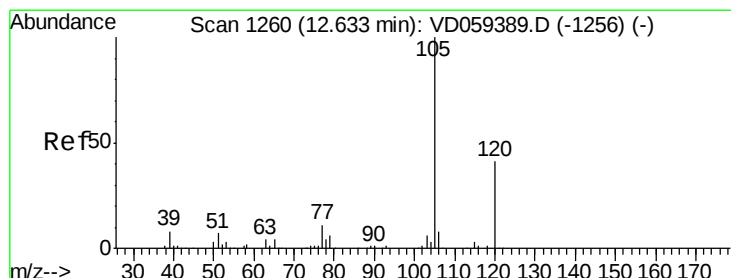
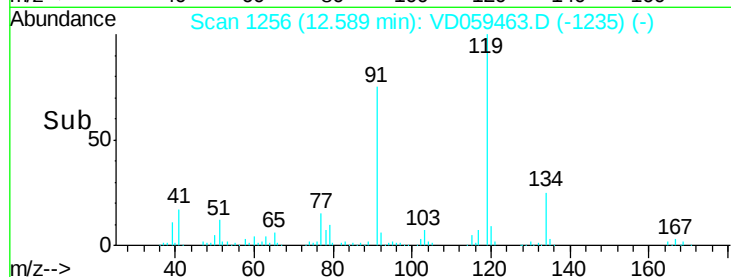
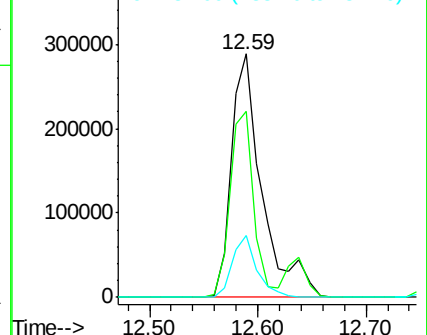
119 100

91 76.2 36.9 110.7

134 25.5 11.2 33.6



Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 22.711 ug/l

RT: 12.64 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VD059463.D

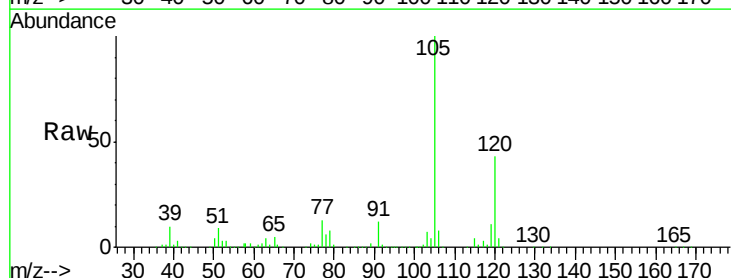
Acq: 28 Jun 2018 15:27

Tgt Ion:105 Resp: 536541

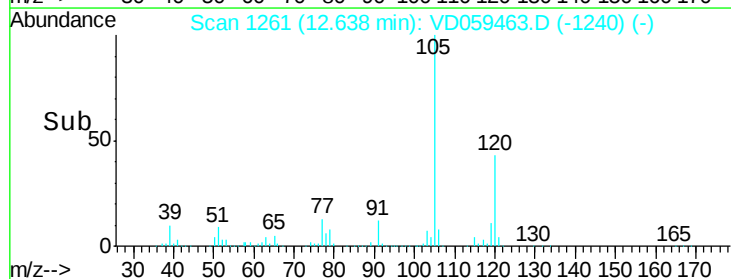
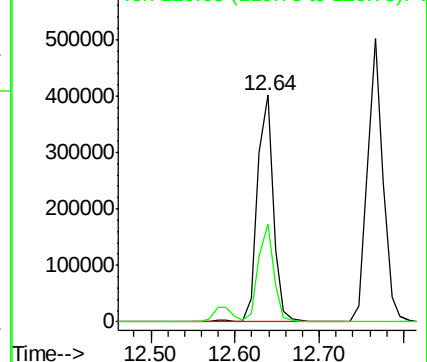
Ion Ratio Lower Upper

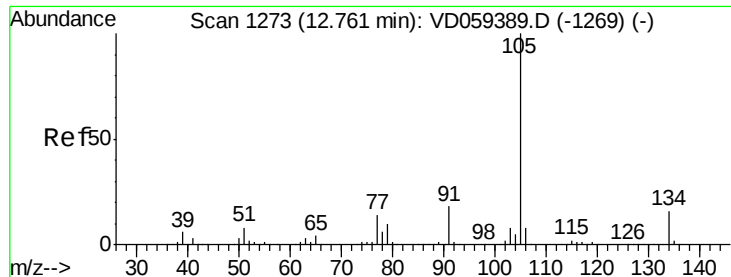
105 100

120 43.4 21.5 64.5



Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 21.916 ug/l

RT: 12.77 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VD059463.D

Acq: 28 Jun 2018 15:27

Instrument :

MSVOA_D

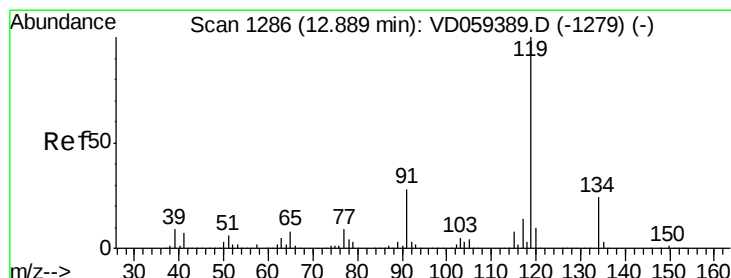
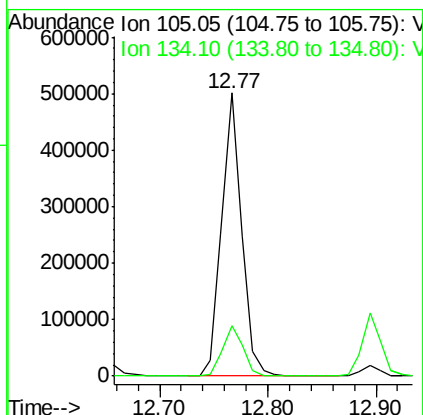
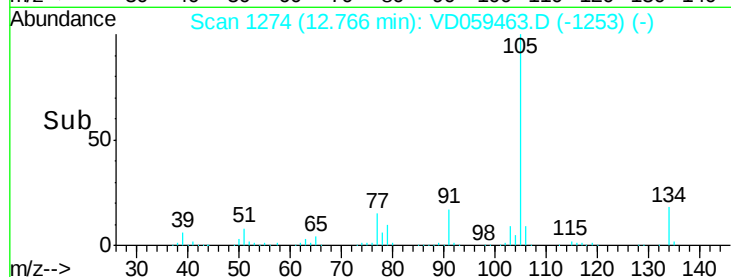
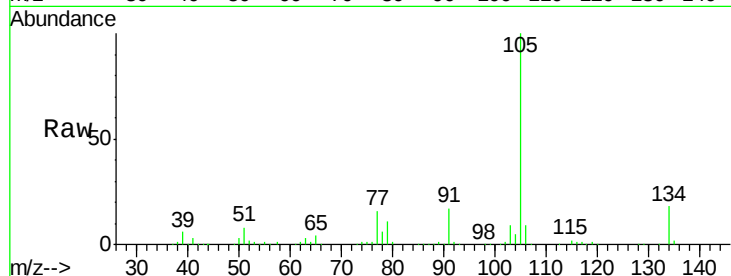
ClientSampled :

Tot Ion:105 Resp: 638597

Ion Ratio Lower Upper

105 100

134 17.7 8.2 24.6



#86

p-Isopropyltoluene

Concen: 23.329 ug/l

RT: 12.89 min Scan# 1287

Delta R.T. 0.00 min

Lab File: VD059463.D

Acq: 28 Jun 2018 15:27

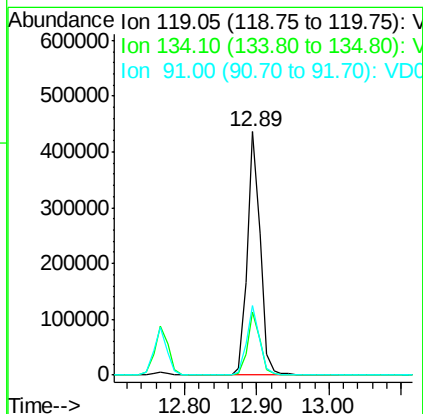
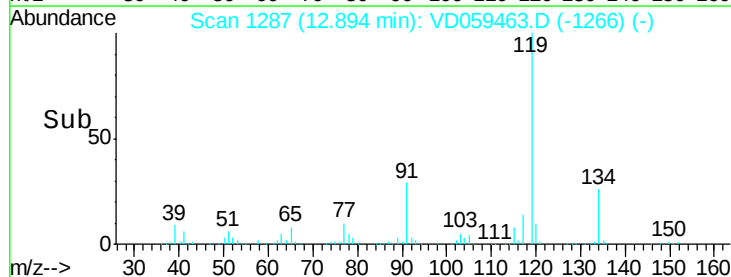
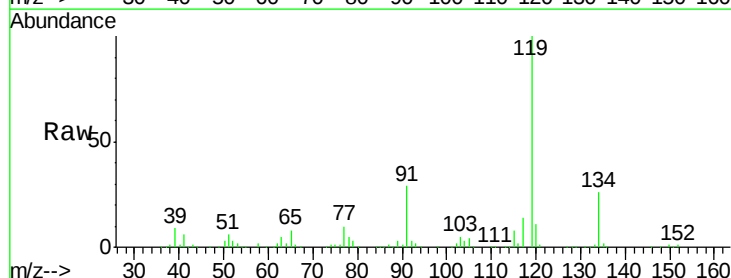
Tgt Ion:119 Resp: 547904

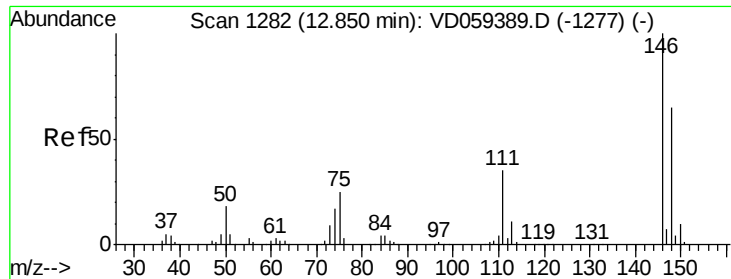
Ion Ratio Lower Upper

119 100

134 25.8 11.9 35.5

91 28.7 14.1 42.4

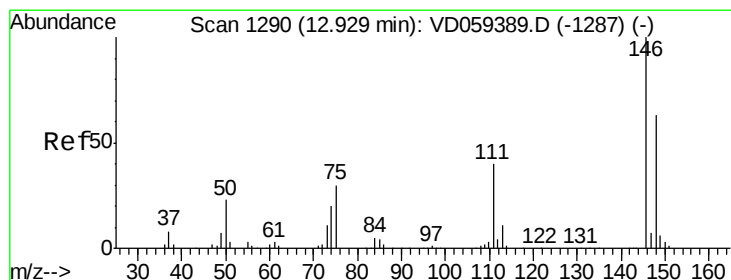
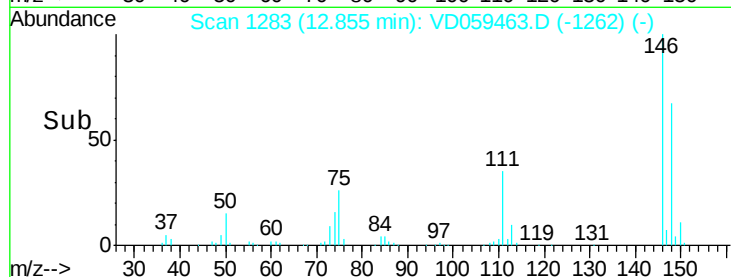
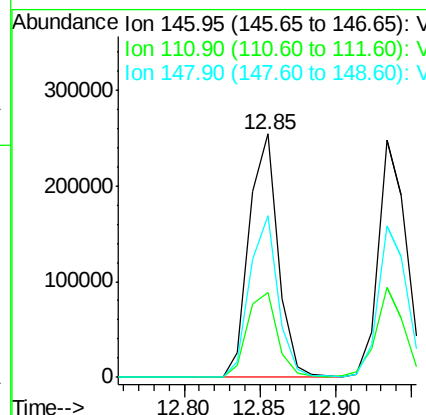
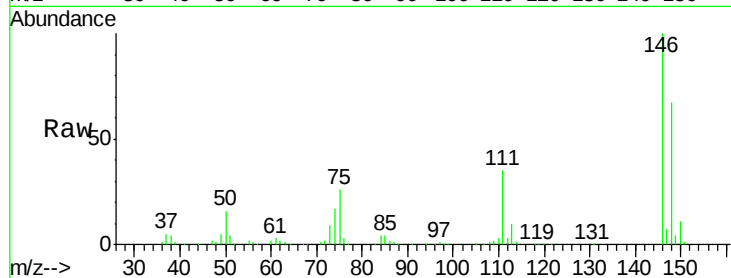




#87
 1,3-Dichlorobenzene
 Concen: 23.364 ug/l
 RT: 12.85 min Scan# 1283
 Delta R.T. 0.01 min
 Lab File: VD059463.D
 Acq: 28 Jun 2018 15:27

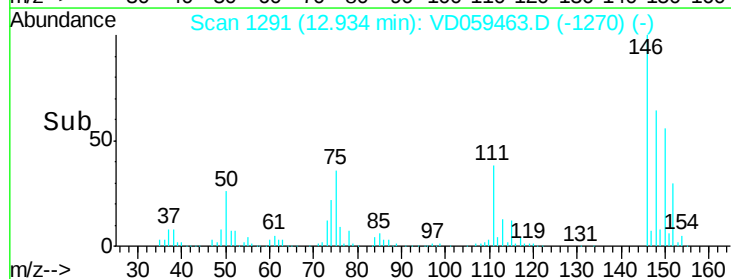
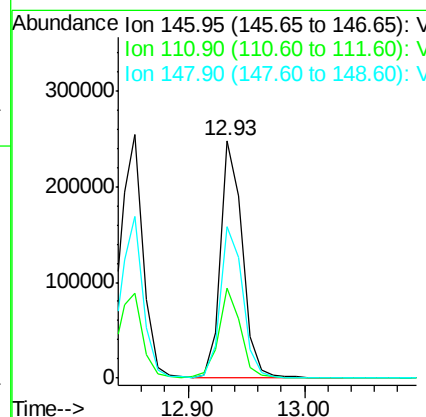
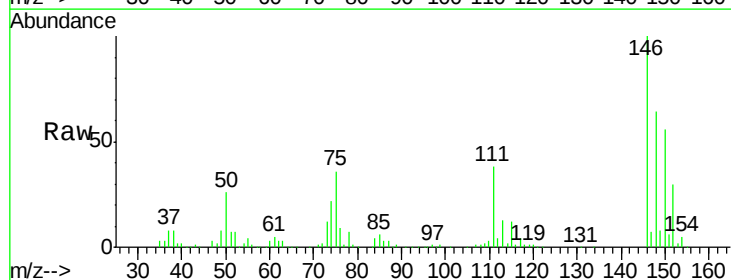
Instrument :
 MSVOA_D
 ClientSampleId :

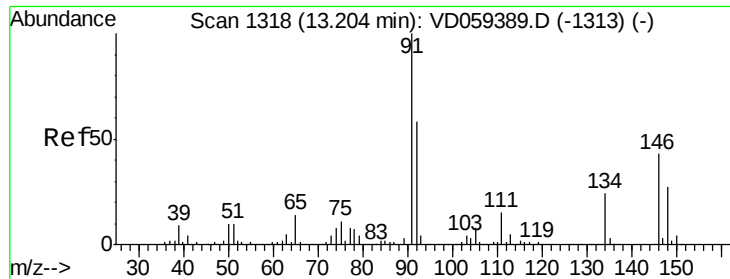
Tot Ion	Ratio	Lower	Upper
146	100		
111	35.0	17.6	52.8
148	66.6	32.4	97.2



#88
 1,4-Dichlorobenzene
 Concen: 22.551 ug/l
 RT: 12.93 min Scan# 1291
 Delta R.T. 0.01 min
 Lab File: VD059463.D
 Acq: 28 Jun 2018 15:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	20.1	60.2
148	63.6	31.4	94.0

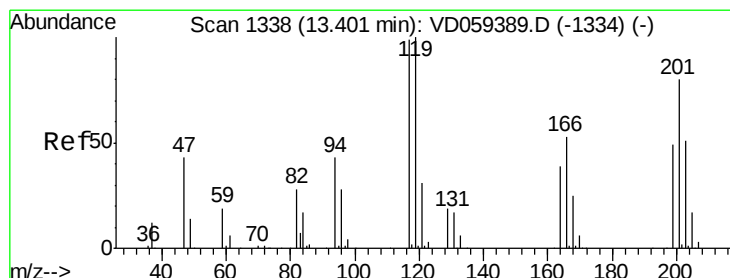
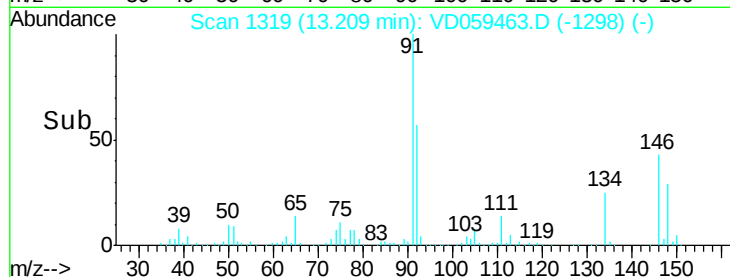
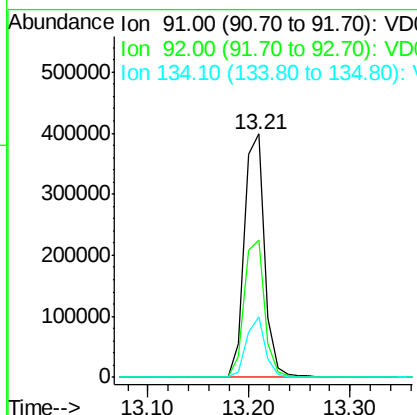
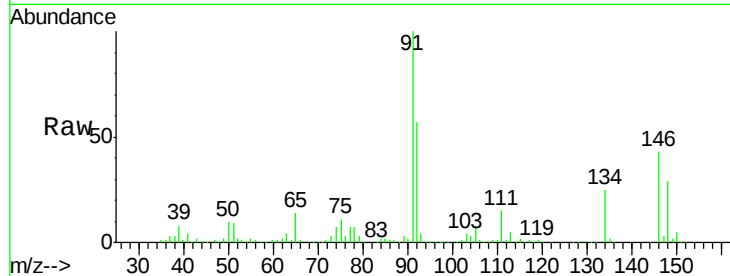




#89
n-Butylbenzene
Concen: 24.107 ug/l
RT: 13.21 min Scan# 1319
Delta R.T. 0.01 min
Lab File: VD059463.D
Acq: 28 Jun 2018 15:27

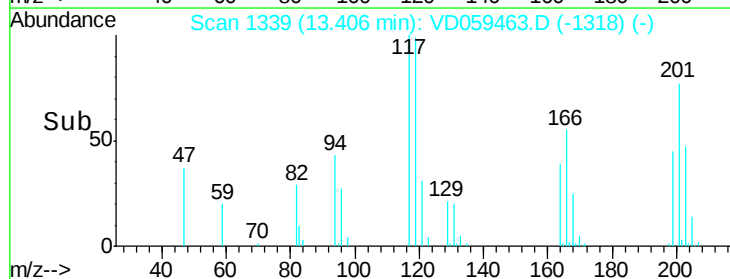
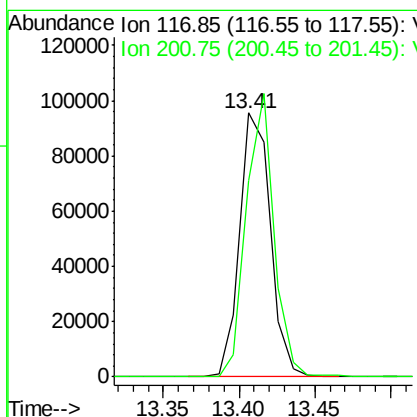
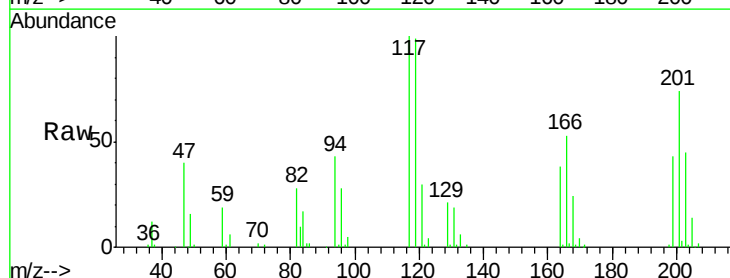
Instrument :
MSVOA_D
ClientSampleId :

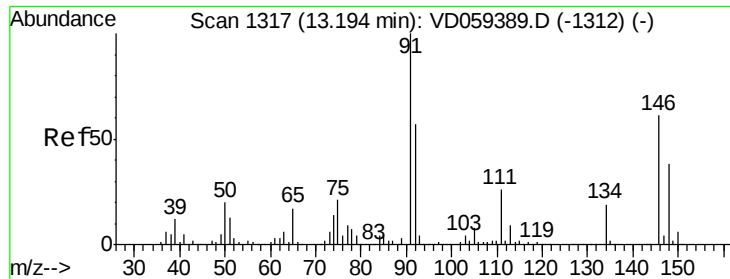
Tot Ion: 91 Resp: 558857
Ion Ratio Lower Upper
91 100
92 56.6 28.8 86.5
134 24.7 11.9 35.7



#90
Hexachloroethane
Concen: 22.974 ug/l
RT: 13.41 min Scan# 1339
Delta R.T. 0.00 min
Lab File: VD059463.D
Acq: 28 Jun 2018 15:27

Tgt Ion: 117 Resp: 134616
Ion Ratio Lower Upper
117 100
201 74.5 40.1 120.3





#91

1,2-Dichlorobenzene

Concen: 22.830 ug/l

RT: 13.20 min Scan# 1318

Delta R.T. 0.01 min

Lab File: VD059463.D

Acq: 28 Jun 2018 15:27

Instrument :

MSVOA_D

ClientSampleId :

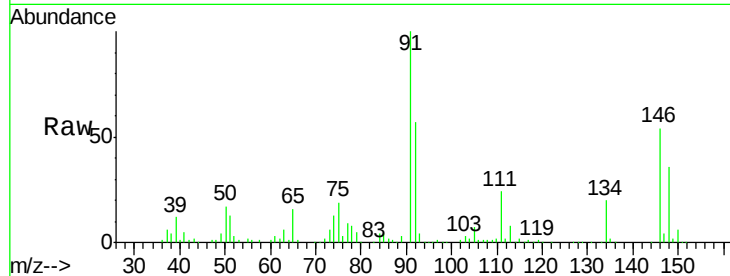
Tot Ion:146 Resp: 281052

Ion Ratio Lower Upper

146 100

111 43.6 21.4 64.2

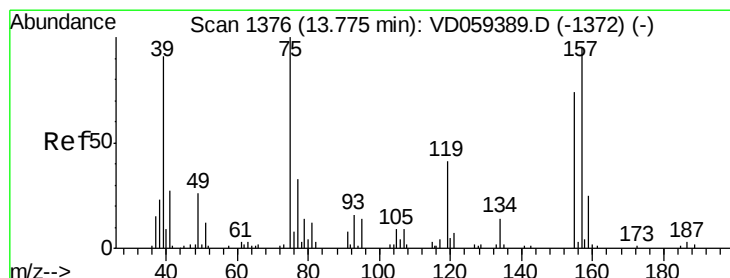
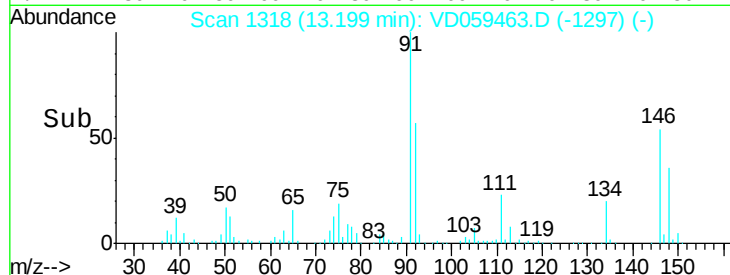
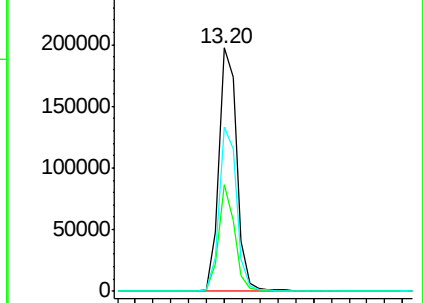
148 67.3 31.6 95.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.539 ug/l

RT: 13.78 min Scan# 1377

Delta R.T. 0.00 min

Lab File: VD059463.D

Acq: 28 Jun 2018 15:27

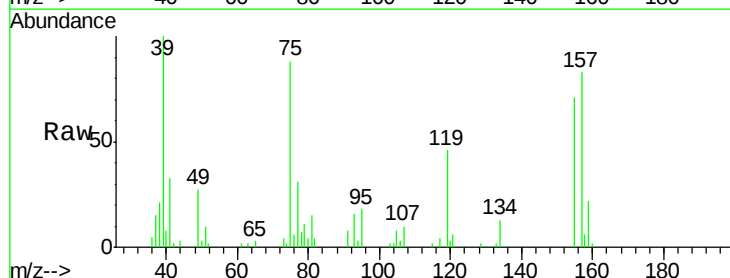
Tgt Ion: 75 Resp: 21195

Ion Ratio Lower Upper

75 100

155 80.7 37.2 111.6

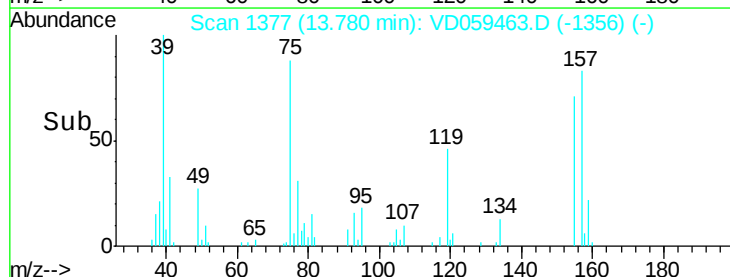
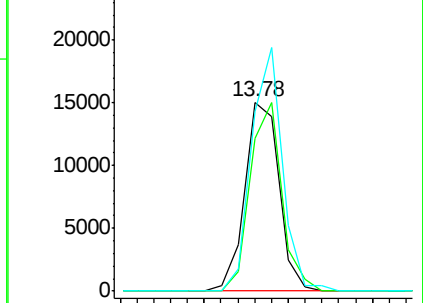
157 95.0 47.4 142.2

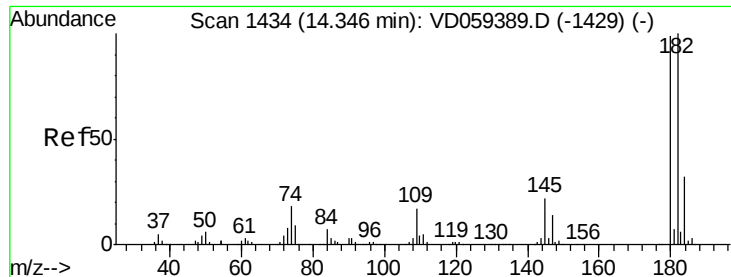


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

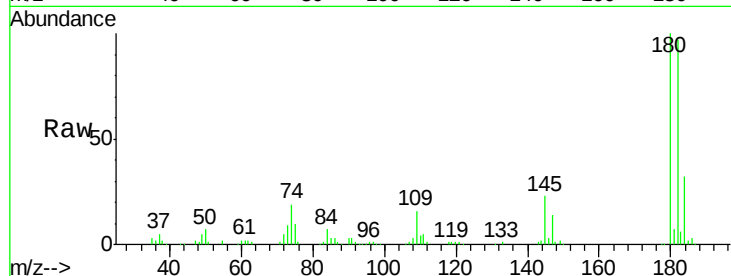




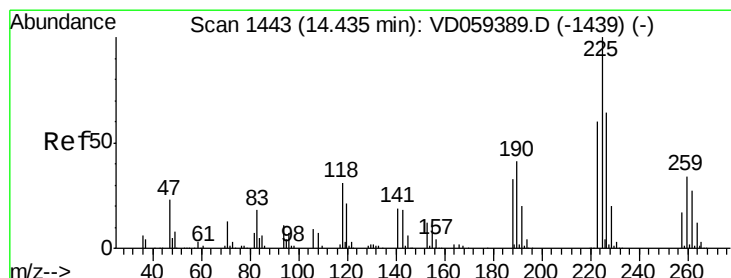
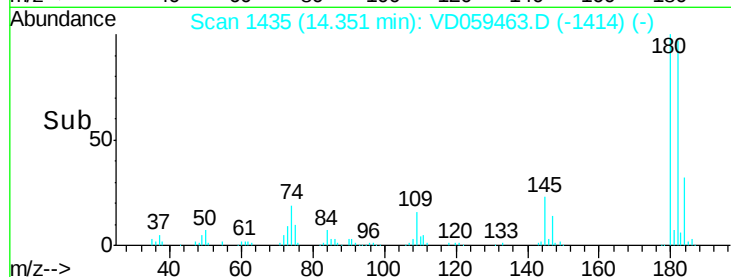
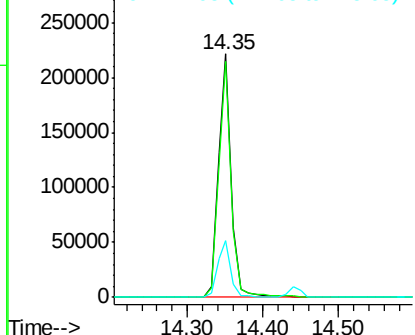
#93
 1,2,4-Trichlorobenzene
 Concen: 23.401 ug/l
 RT: 14.35 min Scan# 1435
 Delta R.T. 0.00 min
 Lab File: VD059463.D
 Acq: 28 Jun 2018 15:27

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 266343
 Ion Ratio Lower Upper
 180 100
 182 96.7 50.4 151.2
 145 23.5 11.0 33.0

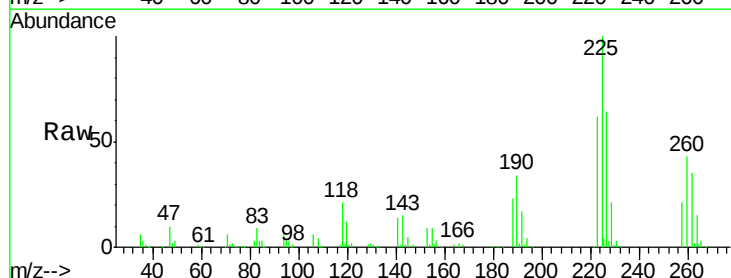


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

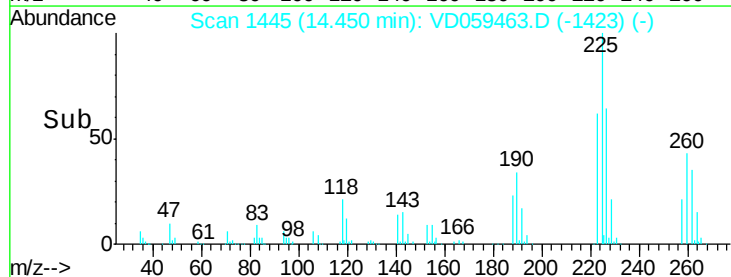
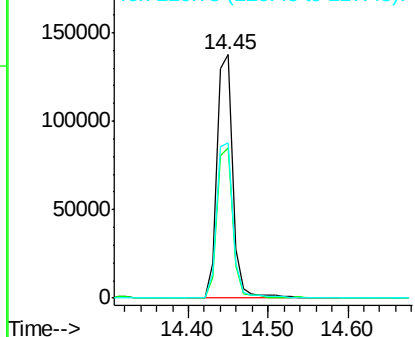


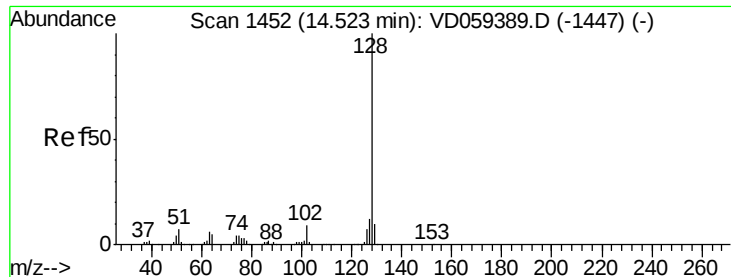
#94
 Hexachlorobutadiene
 Concen: 22.847 ug/l
 RT: 14.45 min Scan# 1445
 Delta R.T. 0.01 min
 Lab File: VD059463.D
 Acq: 28 Jun 2018 15:27

Tgt Ion:225 Resp: 195674
 Ion Ratio Lower Upper
 225 100
 223 61.9 30.0 90.1
 227 64.0 32.1 96.5



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V

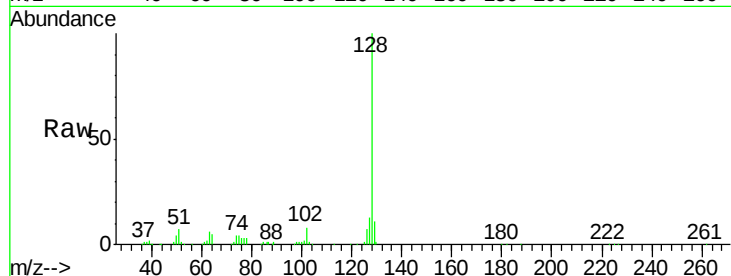




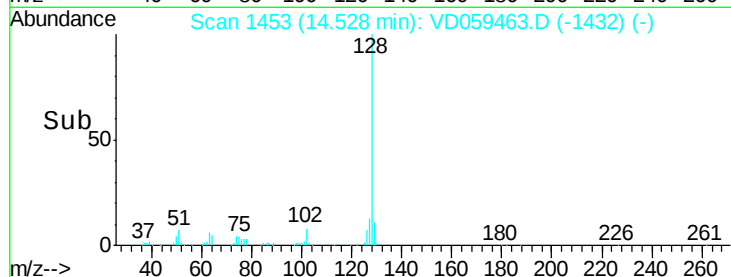
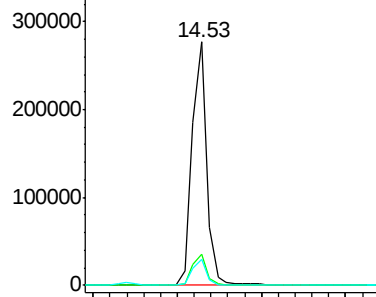
#95
Naphthalene
Concen: 21.184 ug/l
RT: 14.53 min Scan# 1453
Delta R.T. 0.00 min
Lab File: VD059463.D
Acq: 28 Jun 2018 15:27

Instrument :
MSVOA_D
ClientSampleId :

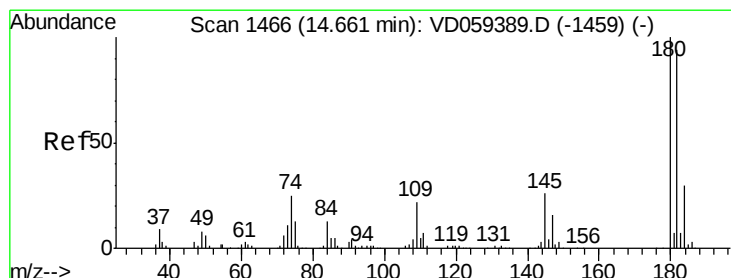
Tot Ion:128 Resp: 336025
Ion Ratio Lower Upper
128 100
127 12.9 9.6 14.4
129 10.7 8.2 12.2



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

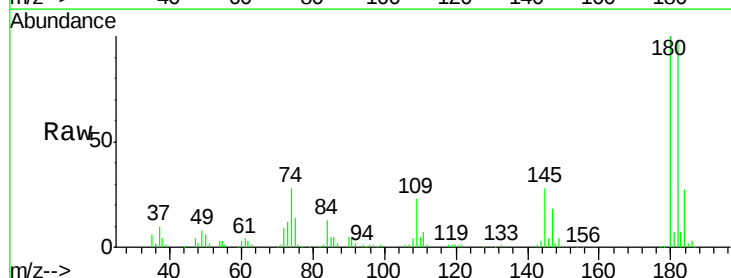


Time-->



#96
1,2,3-Trichlorobenzene
Concen: 23.147 ug/l
RT: 14.67 min Scan# 1467
Delta R.T. 0.00 min
Lab File: VD059463.D
Acq: 28 Jun 2018 15:27

Tgt Ion:180 Resp: 236874
Ion Ratio Lower Upper
180 100
182 97.6 47.1 141.4
145 28.2 13.1 39.3



Abundance Ion 179.85 (179.55 to 180.55): V
Ion 181.85 (181.55 to 182.55): V
Ion 144.95 (144.65 to 145.65): V

