

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082418\
 Data File : VD059903.D
 Acq On : 24 Aug 2018 13:29
 Operator : JC/SY
 Sample : VD0824SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 24 14:46:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 03:03:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	1248011	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	7.43	114	1780034	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.28	117	1519520	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.37	152	790460	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.77	65	558505	53.10	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	106.20%	
35) Dibromofluoromethane	6.31	113	670294	48.03	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	96.06%	
50) Toluene-d8	9.45	98	1839042	47.48	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	94.96%	
62) 4-Bromofluorobenzene	12.42	95	725372	46.11	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	92.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	201686	18.079	ug/l	98
3) Chloromethane	1.75	50	196605	19.454	ug/l	98
4) Vinyl Chloride	1.84	62	157270	19.846	ug/l	99
5) Bromomethane	2.13	94	14153	10.345	ug/l	99
6) Chloroethane	2.23	64	34296	11.936	ug/l	99
7) Trichlorofluoromethane	2.49	101	174824	19.070	ug/l	98
8) Diethyl Ether	2.81	74	43108	20.960	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.07	101	126041	22.450	ug/l	97
10) Methyl Iodide	3.23	142	107037	20.122	ug/l	98
11) Tert butyl alcohol	3.97	59	86687	108.006	ug/l	99
12) 1,1-Dichloroethene	3.05	96	92247	21.106	ug/l	96
13) Acrolein	2.97	56	29986	86.139	ug/l	93
14) Allyl chloride	3.51	41	202708	20.501	ug/l	97
15) Acrylonitrile	4.07	53	312658	104.026	ug/l	97
16) Acetone	3.15	43	191872	100.121	ug/l	95
17) Carbon Disulfide	3.30	76	228558	16.847	ug/l	98
18) Methyl Acetate	3.54	43	77249	19.309	ug/l	97
19) Methyl tert-butyl Ether	4.10	73	505863	20.459	ug/l	97
20) Methylene Chloride	3.70	84	284552	20.014	ug/l	96
21) trans-1,2-Dichloroethene	4.08	96	222563	18.482	ug/l	98
22) Diisopropyl ether	4.84	45	1068582	21.190	ug/l	100
23) Vinyl Acetate	4.79	43	3085552	109.457	ug/l	100
24) 1,1-Dichloroethane	4.74	63	444033	20.382	ug/l	99
25) 2-Butanone	5.61	43	540416	95.214	ug/l	99
26) 2,2-Dichloropropane	5.57	77	377097	20.706	ug/l	95
27) cis-1,2-Dichloroethene	5.58	96	268839	20.390	ug/l	99
28) Bromochloromethane	5.91	49	235895	22.593	ug/l	99
29) Tetrahydrofuran	5.94	42	283859	105.051	ug/l	99
30) Chloroform	6.09	83	459286	20.745	ug/l	98
31) Cyclohexane	6.36	56	358807	17.915	ug/l	99
32) 1,1,1-Trichloroethane	6.28	97	375427	19.979	ug/l	99
36) 1,1-Dichloropropene	6.51	75	318466	19.736	ug/l	96
37) Ethyl Acetate	5.69	43	246643	19.643	ug/l	99
38) Carbon Tetrachloride	6.49	117	307321	18.872	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.03	83	321093	18.418	ug/l	99
40) Benzene	6.78	78	832674	19.846	ug/l	99
41) Methacrylonitrile	5.94	41	289059	45.701	ug/l #	80
42) 1,2-Dichloroethane	6.88	62	274575	20.385	ug/l	99
43) Isopropyl Acetate	8.35	43	335886	20.562	ug/l	99
44) Trichloroethene	7.73	130	239738	19.406	ug/l	95
45) 1,2-Dichloropropane	8.09	63	234248	19.974	ug/l	99
46) Dibromomethane	8.21	93	151527	20.094	ug/l	97
47) Bromodichloromethane	8.48	83	347069	20.331	ug/l	99
48) Methyl methacrylate	8.24	41	197166	20.705	ug/l	99
49) 1,4-Dioxane	8.23	88	35457	417.064	ug/l	96
51) 4-Methyl-2-Pentanone	9.34	43	1130666	92.842	ug/l	97
52) Toluene	9.54	92	532939	19.809	ug/l	99
53) t-1,3-Dichloropropene	9.91	75	322330	20.414	ug/l	97
54) cis-1,3-Dichloropropene	9.09	75	369204	20.167	ug/l	98
55) 1,1,2-Trichloroethane	10.18	97	201086	20.447	ug/l	97
56) Ethyl methacrylate	10.03	69	231397	20.388	ug/l	96
57) 1,3-Dichloropropane	10.37	76	301667	21.193	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.92	63	643644	118.214	ug/l	100
59) 2-Hexanone	10.48	43	847621	94.362	ug/l	98
60) Dibromochloromethane	10.64	129	252289	20.410	ug/l	97
61) 1,2-Dibromoethane	10.76	107	198778	19.990	ug/l	98
64) Tetrachloroethene	10.24	164	222531	18.940	ug/l	97
65) Chlorobenzene	11.31	112	604055	20.005	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.42	131	224939	20.390	ug/l	99
67) Ethyl Benzene	11.43	91	1054152	20.751	ug/l	99
68) m/p-Xylenes	11.56	106	772339	41.758	ug/l	98
69) o-Xylene	11.93	106	368099	20.348	ug/l	90
70) Styrene	11.96	104	644346	20.571	ug/l	99
71) Bromoform	12.11	173	181164	18.980	ug/l	98
73) Isopropylbenzene	12.27	105	1036947	20.550	ug/l	99
74) N-amyl acetate	12.13	43	454171	20.557	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.56	83	244391	20.939	ug/l	99
76) 1,2,3-Trichloropropane	12.60	75	249471	20.306	ug/l	97
77) Bromobenzene	12.54	156	287704	20.565	ug/l	93
78) n-propylbenzene	12.64	91	1307217	20.459	ug/l	100
79) 2-Chlorotoluene	12.70	91	749082	20.731	ug/l	96
80) 1,3,5-Trimethylbenzene	12.79	105	838770	20.908	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.34	75	70935	18.562	ug/l	94
82) 4-Chlorotoluene	12.80	91	863277	20.946	ug/l	89
83) tert-Butylbenzene	13.04	119	940119	20.572	ug/l	91
84) 1,2,4-Trimethylbenzene	13.09	105	864126	20.666	ug/l	99
85) sec-Butylbenzene	13.22	105	1097247	20.417	ug/l	99
86) p-Isopropyltoluene	13.33	119	870679	19.921	ug/l	94
87) 1,3-Dichlorobenzene	13.31	146	521679	20.887	ug/l	96
88) 1,4-Dichlorobenzene	13.38	146	512823	20.580	ug/l	97
89) n-Butylbenzene	13.64	91	976457	20.715	ug/l	94
90) Hexachloroethane	13.86	117	222703	18.977	ug/l	88
91) 1,2-Dichlorobenzene	13.66	146	466567	21.969	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.22	75	35903	20.008	ug/l	61

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Quant Time: Aug 24 14:46:54 2018
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Quant Title : SW846 8260
QLast Update : Thu Aug 23 03:03:08 2018
Response via : Initial Calibration

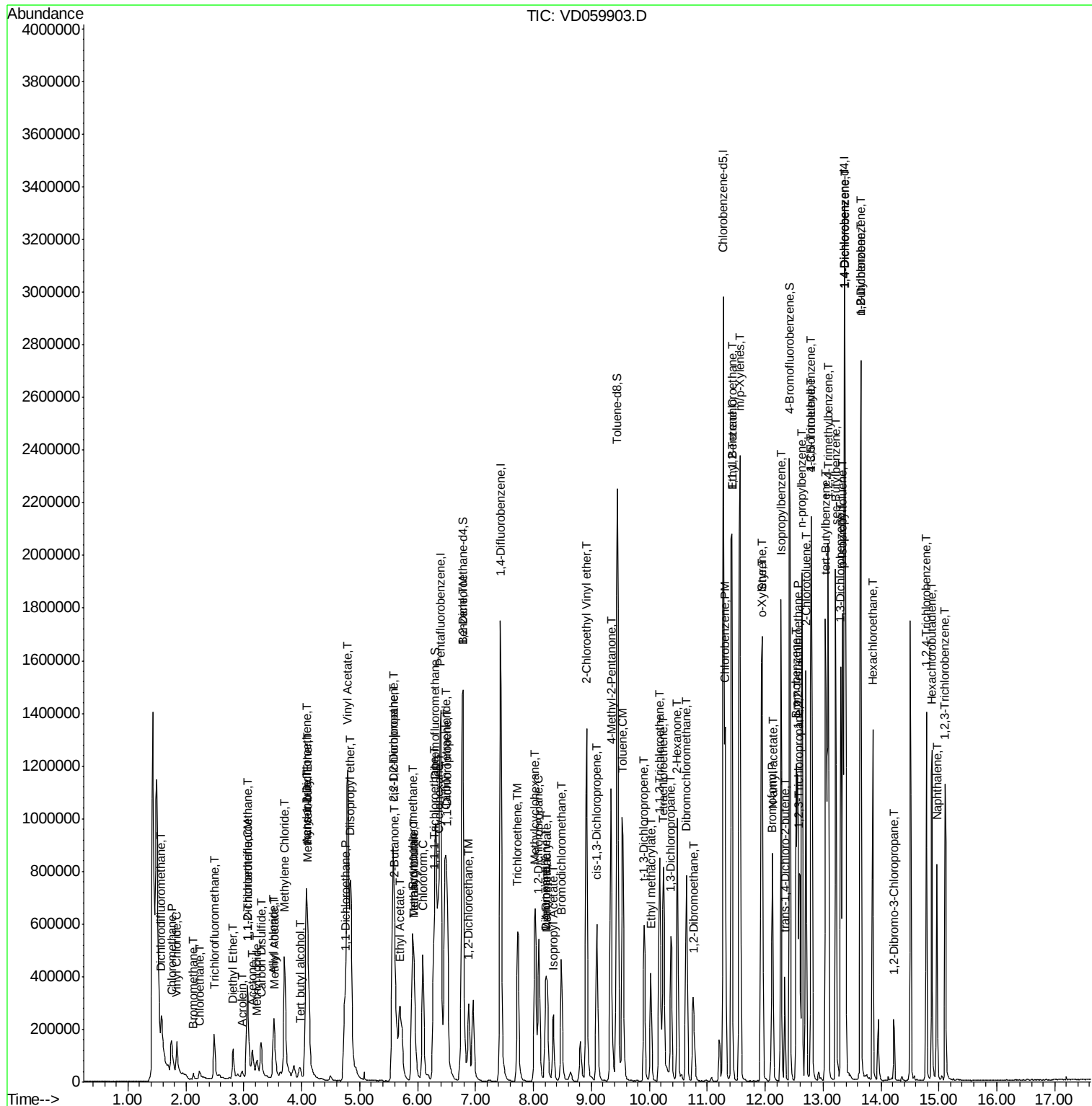
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	359425	19.766	ug/l	97
94) Hexachlorobutadiene	14.88	225	238426	20.003	ug/l	98
95) Naphthalene	14.97	128	550538	19.812	ug/l	99
96) 1,2,3-Trichlorobenzene	15.12	180	310139	19.943	ug/l	98

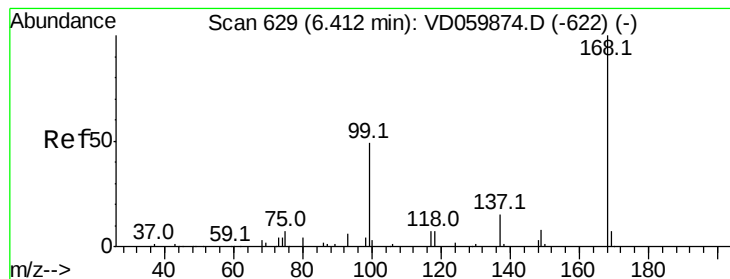
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD082418\
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Acq On : 24 Aug 2018 13:29
Operator : JC/SY
Sample : VD0824SBSD01
Misc : 5.00µl/5ml/MSVOA D/SOIL
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MSVOA_D
ClientSampled :

Quant Time: Aug 24 14:46:54 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D082218S.M
Quant Title : SW846 8260
QLast Update : Thu Aug 23 03:03:08 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.40 min Scan# 627

Delta R.T. -0.01 min

Lab File: VD059903.D

Acq: 24 Aug 2018 13:29

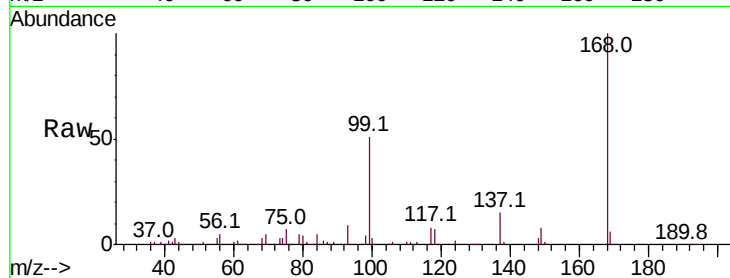
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 1248011

Ion Ratio Lower Upper

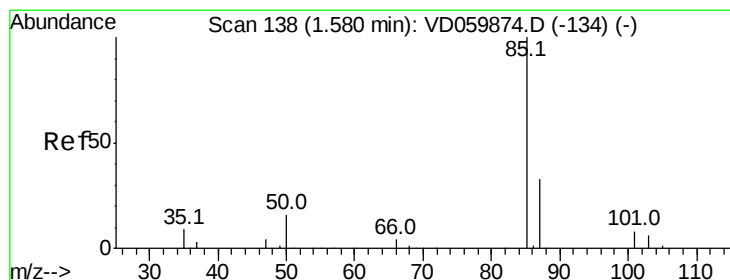
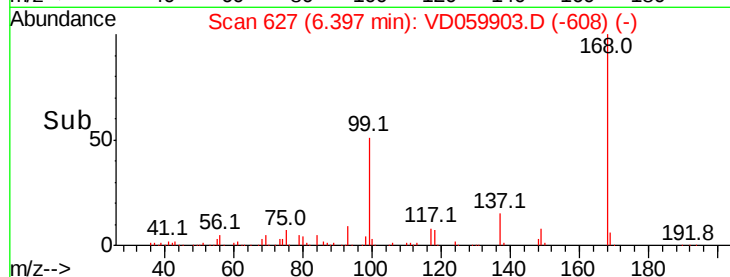
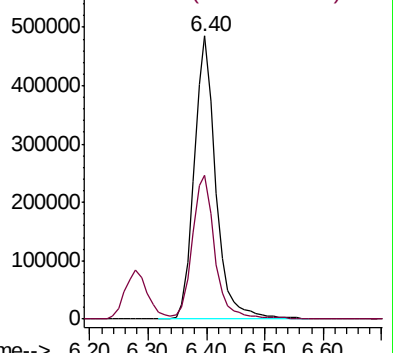
168 100

99 50.8 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 18.079 ug/l

RT: 1.58 min Scan# 138

Delta R.T. 0.00 min

Lab File: VD059903.D

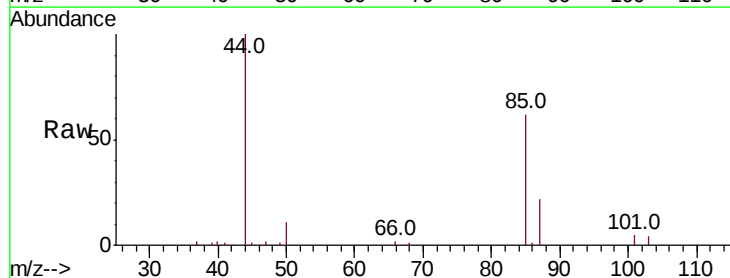
Acq: 24 Aug 2018 13:29

Tgt Ion: 85 Resp: 201686

Ion Ratio Lower Upper

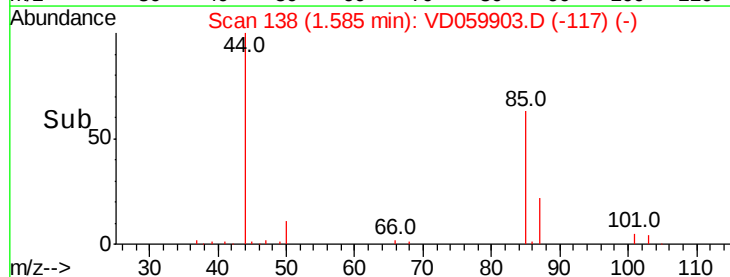
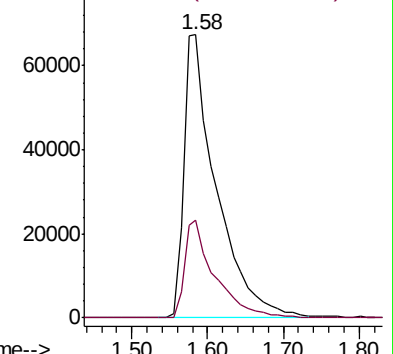
85 100

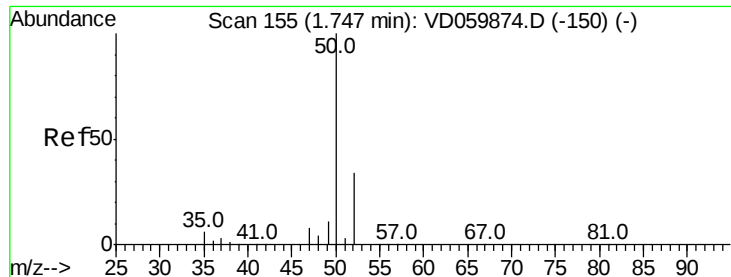
87 34.6 16.8 50.3



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 19.454 ug/l

RT: 1.75 min Scan# 155

Delta R.T. 0.00 min

Lab File: VD059903.D

Acq: 24 Aug 2018 13:29

Instrument :

MSVOA_D

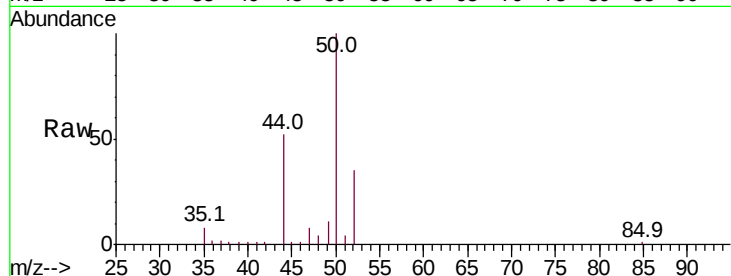
ClientSampleId :

Tot Ion: 50 Resp: 196605

Ion Ratio Lower Upper

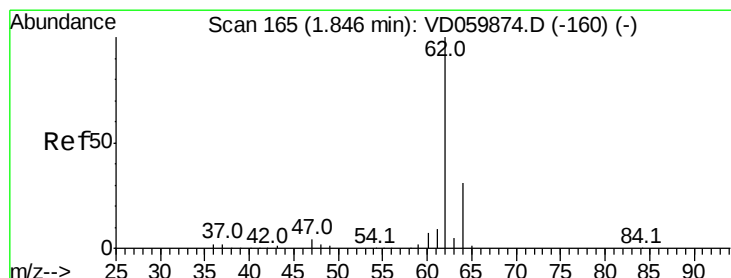
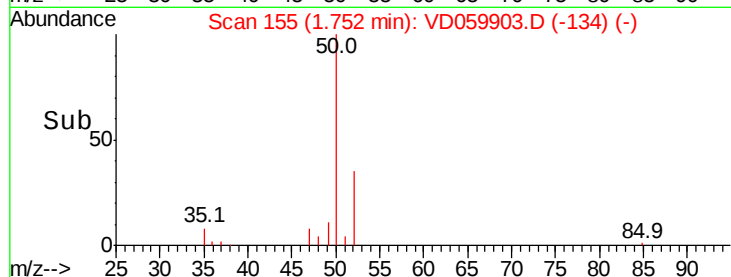
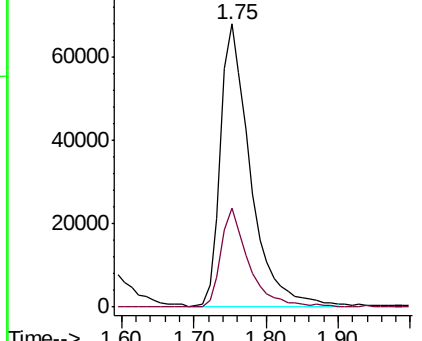
50 100

52 35.2 27.0 40.6



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 19.846 ug/l

RT: 1.84 min Scan# 164

Delta R.T. -0.01 min

Lab File: VD059903.D

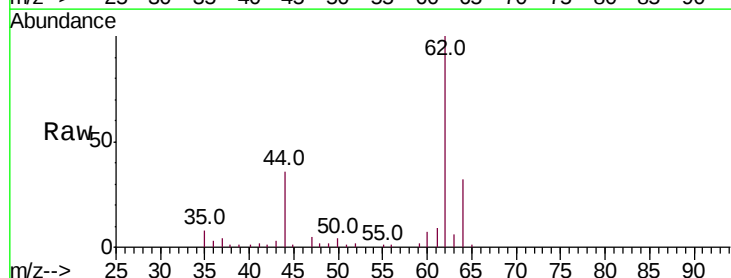
Acq: 24 Aug 2018 13:29

Tgt Ion: 62 Resp: 157270

Ion Ratio Lower Upper

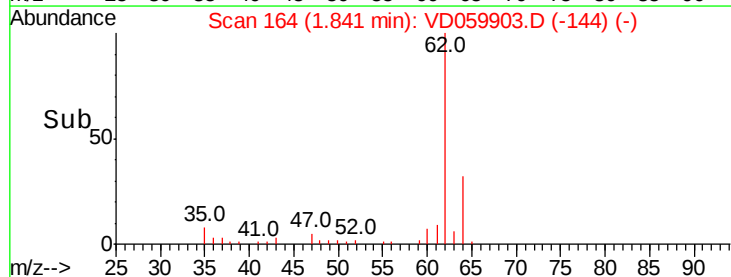
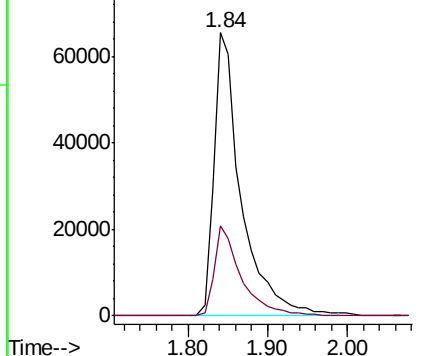
62 100

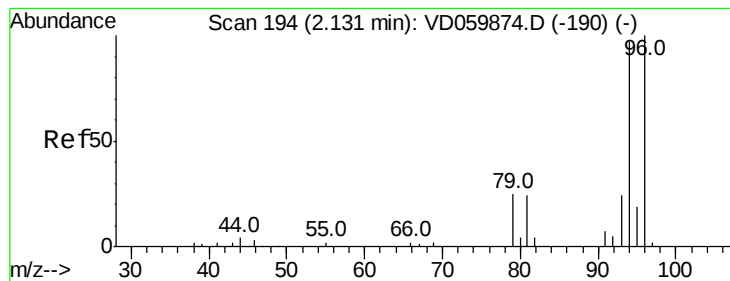
64 31.8 25.0 37.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 10.345 ug/l

RT: 2.13 min Scan# 193

Delta R.T. -0.01 min

Lab File: VD059903.D

Acq: 24 Aug 2018 13:29

Instrument :

MSVOA_D

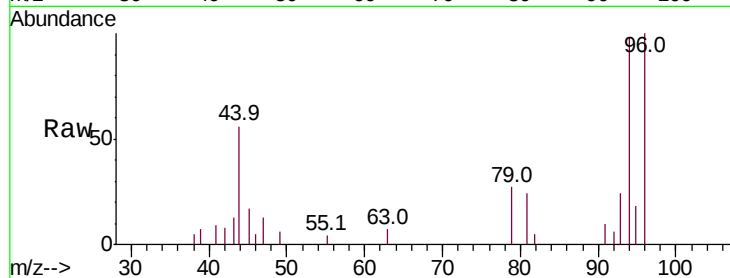
ClientSampled :

Tot Ion: 94 Resp: 14153

Ion Ratio Lower Upper

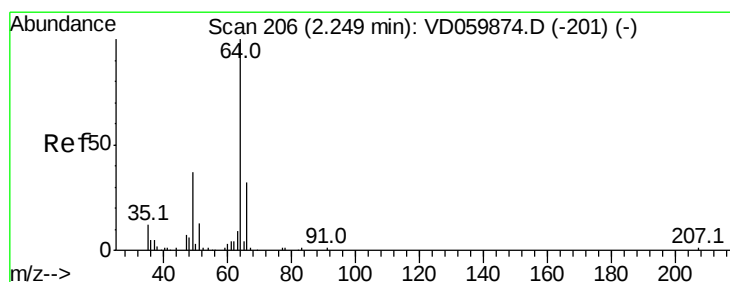
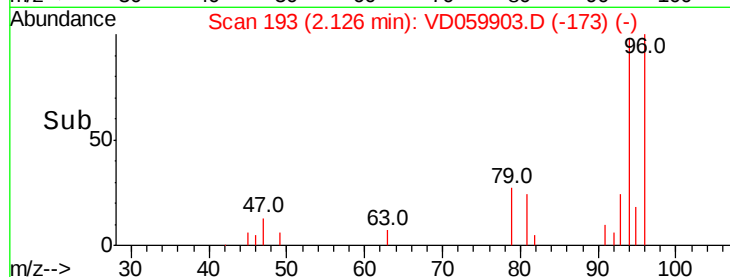
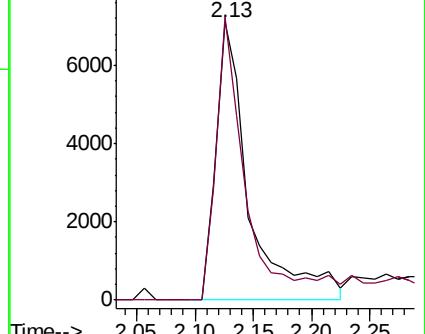
94 100

96 101.8 82.4 123.6



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 11.936 ug/l

RT: 2.23 min Scan# 204

Delta R.T. -0.01 min

Lab File: VD059903.D

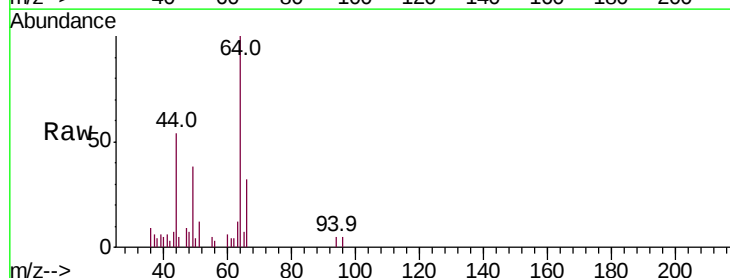
Acq: 24 Aug 2018 13:29

Tgt Ion: 64 Resp: 34296

Ion Ratio Lower Upper

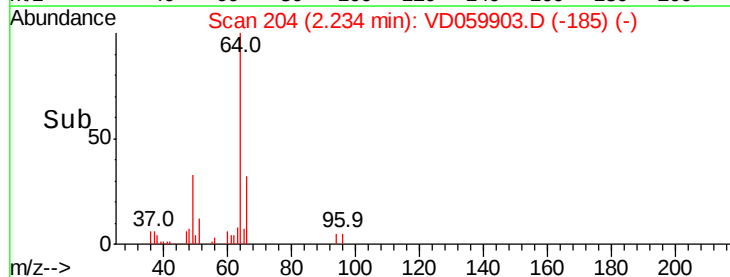
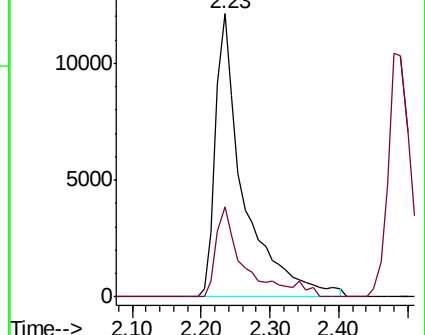
64 100

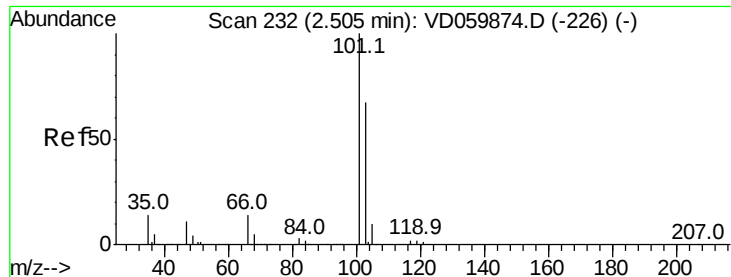
66 32.0 25.3 37.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



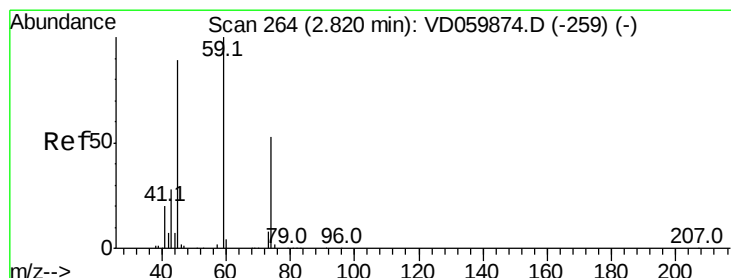
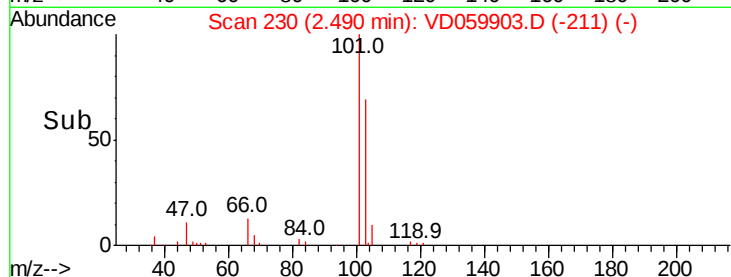
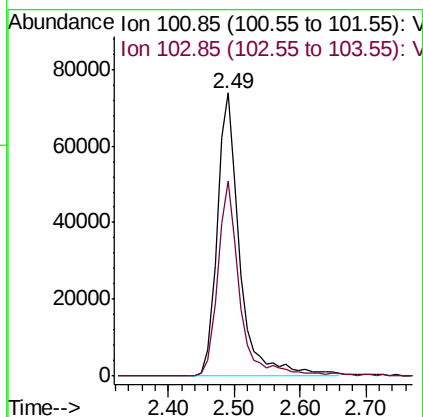
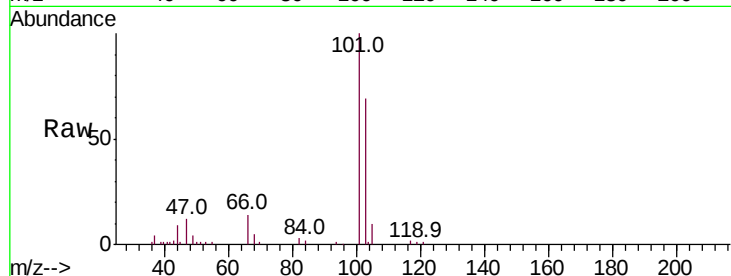


#7

Trichlorofluoromethane
 Concen: 19.070 ug/l
 RT: 2.49 min Scan# 230
 Delta R.T. -0.01 min
 Lab File: VD059903.D
 Acq: 24 Aug 2018 13:29

Instrument :
 MSVOA_D
 ClientSampleId :

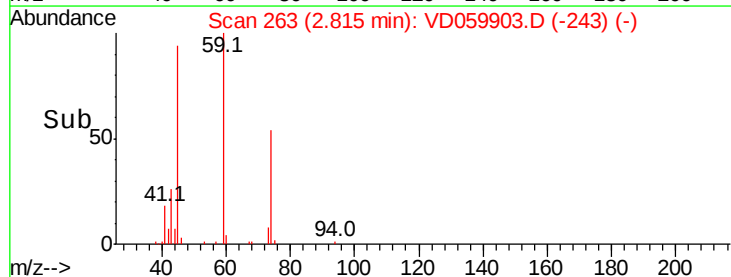
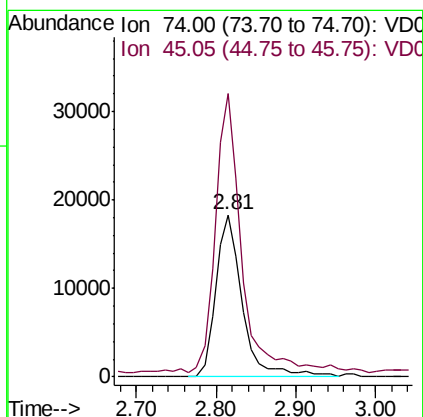
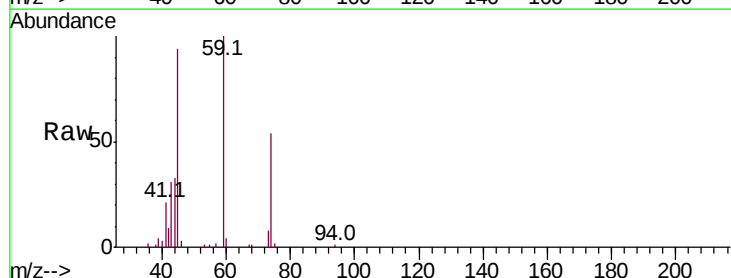
Tot Ion:101 Resp: 174824
 Ion Ratio Lower Upper
 101 100
 103 69.0 53.7 80.5

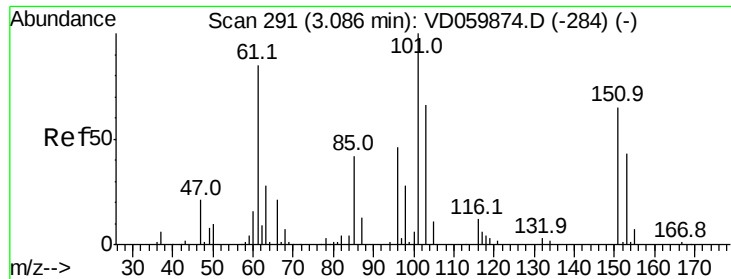


#8

Diethyl Ether
 Concen: 20.960 ug/l
 RT: 2.81 min Scan# 263
 Delta R.T. -0.01 min
 Lab File: VD059903.D
 Acq: 24 Aug 2018 13:29

Tgt Ion: 74 Resp: 43108
 Ion Ratio Lower Upper
 74 100
 45 174.4 85.7 257.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.450 ug/l

RT: 3.07 min Scan# 289

Delta R.T. -0.01 min

Lab File: VD059903.D

Acq: 24 Aug 2018 13:29

Instrument :

MSVOA_D

ClientSampled :

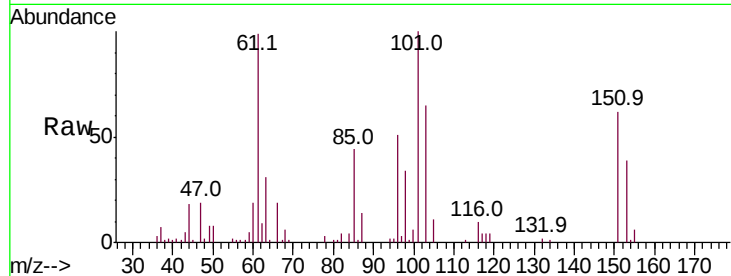
Tot Ion:101 Resp: 126041

Ion Ratio Lower Upper

101 100

85 44.1 33.6 50.4

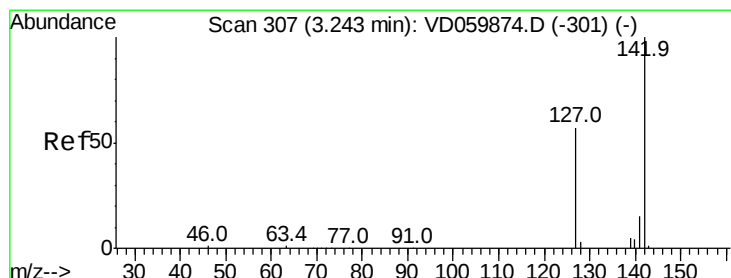
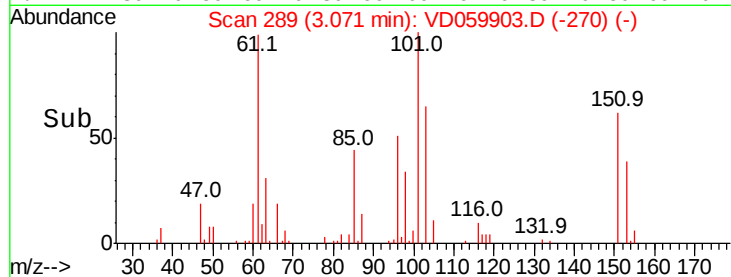
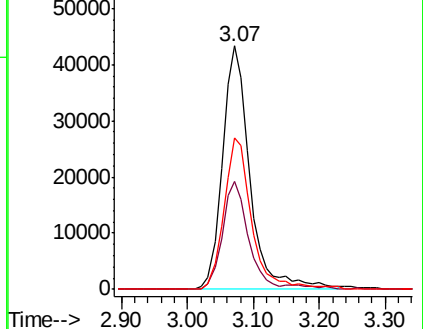
151 62.2 52.0 78.0



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: 20.122 ug/l

RT: 3.23 min Scan# 305

Delta R.T. -0.01 min

Lab File: VD059903.D

Acq: 24 Aug 2018 13:29

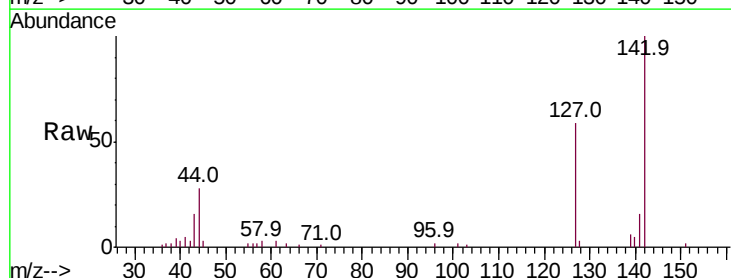
Tgt Ion:142 Resp: 107037

Ion Ratio Lower Upper

142 100

127 58.6 45.8 68.6

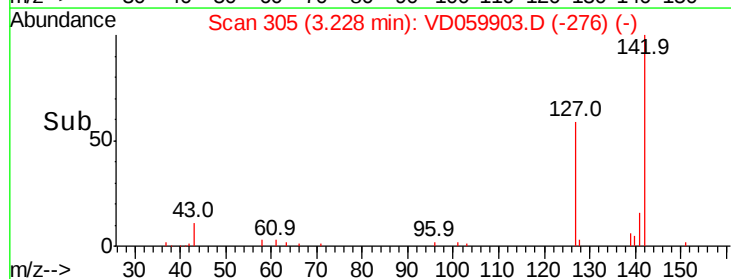
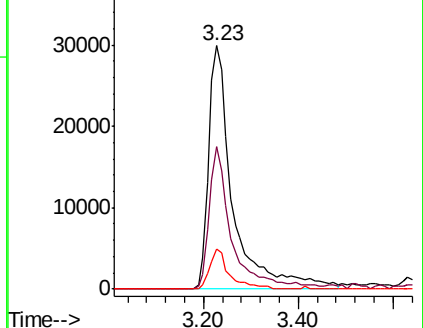
141 16.5 11.6 17.4

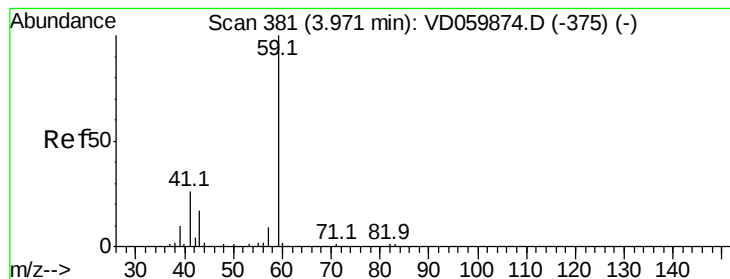


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#11

Tert butyl alcohol

Concen: 108.006 ug/l

RT: 3.97 min Scan# 380

Delta R.T. -0.01 min

Lab File: VD059903.D

Acq: 24 Aug 2018 13:29

Instrument :

MSVOA_D

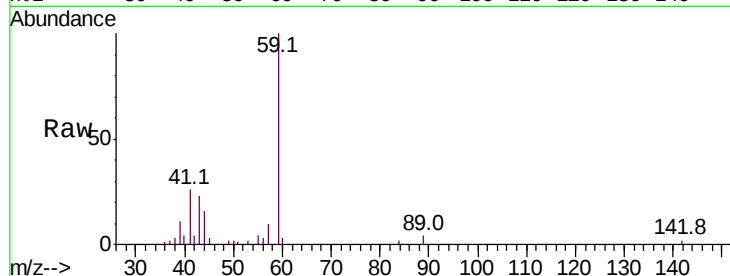
ClientSampleId :

Tot Ion: 59 Resp: 86687

Ion Ratio Lower Upper

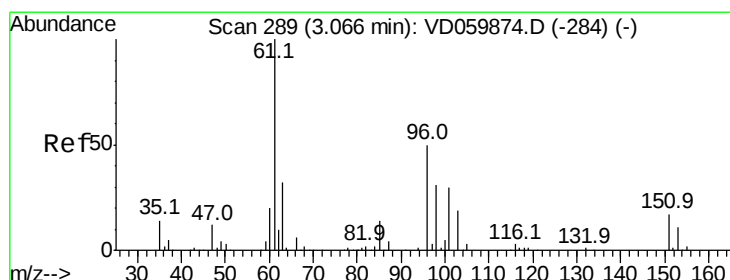
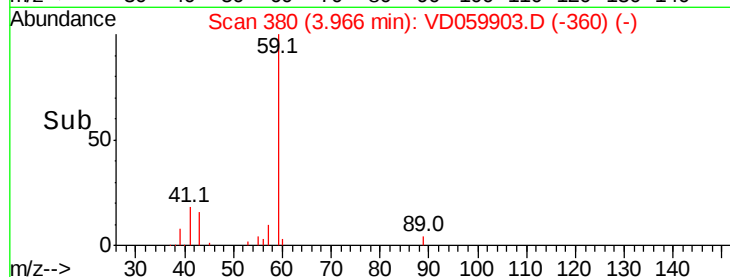
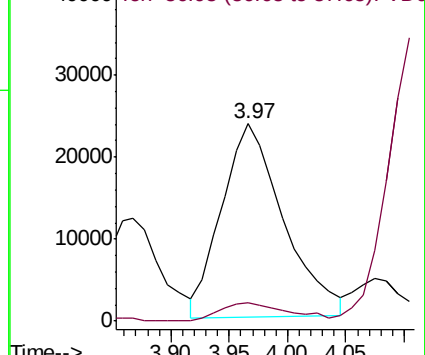
59 100

57 9.5 7.4 11.0



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC



#12

1,1-Dichloroethene

Concen: 21.106 ug/l

RT: 3.05 min Scan# 287

Delta R.T. -0.01 min

Lab File: VD059903.D

Acq: 24 Aug 2018 13:29

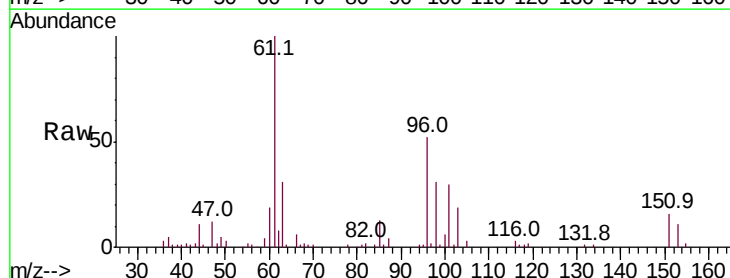
Tgt Ion: 96 Resp: 92247

Ion Ratio Lower Upper

96 100

61 190.8 158.8 238.2

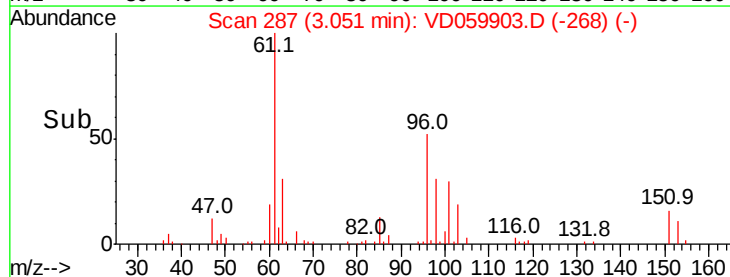
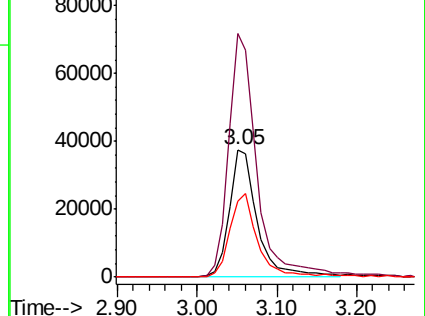
98 59.9 48.7 73.1

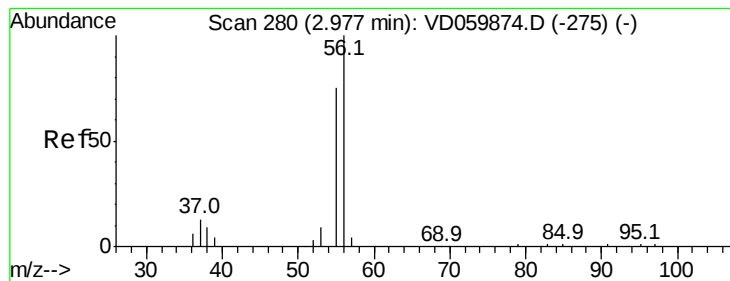


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#13

Acrolein

Concen: 86.139 ug/l

RT: 2.97 min Scan# 279

Delta R.T. -0.01 min

Lab File: VD059903.D

Acq: 24 Aug 2018 13:29

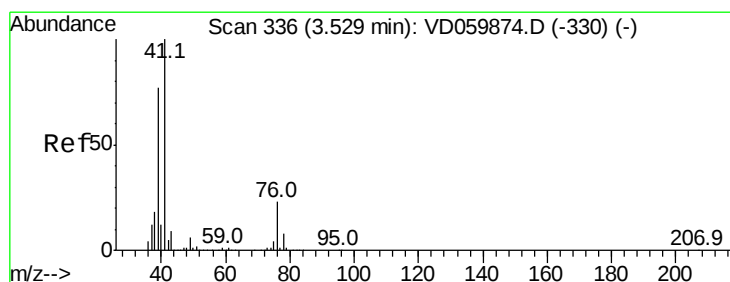
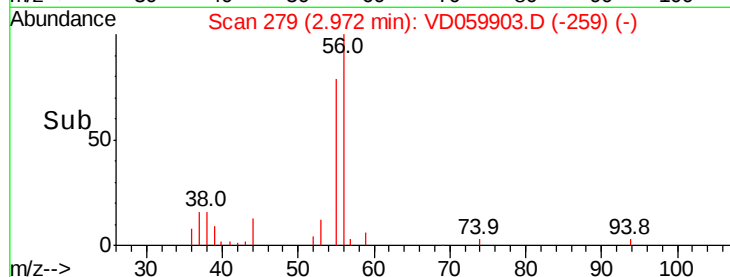
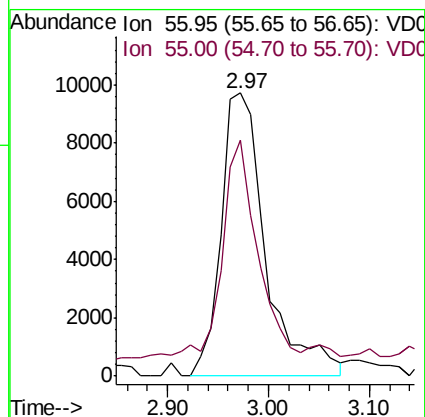
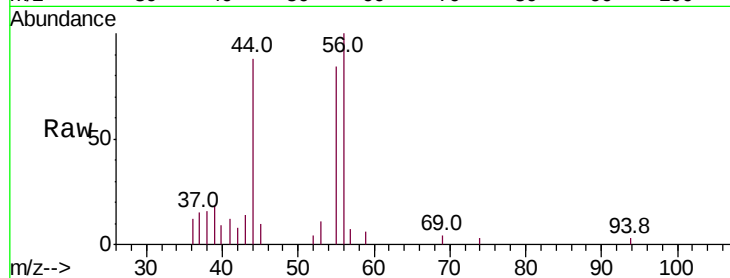
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 29986

Ion Ratio Lower Upper

56 100

55 83.6 61.9 92.9



#14

Allyl chloride

Concen: 20.501 ug/l

RT: 3.51 min Scan# 334

Delta R.T. -0.01 min

Lab File: VD059903.D

Acq: 24 Aug 2018 13:29

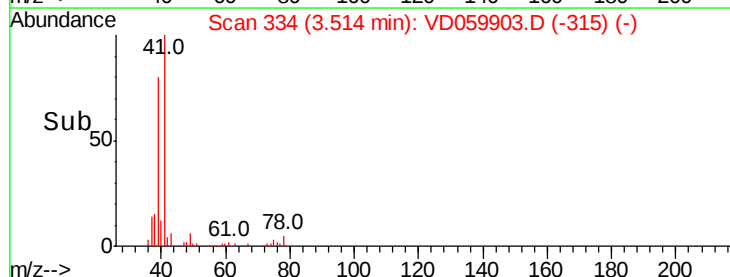
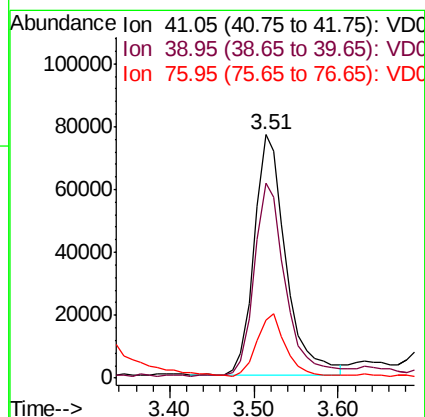
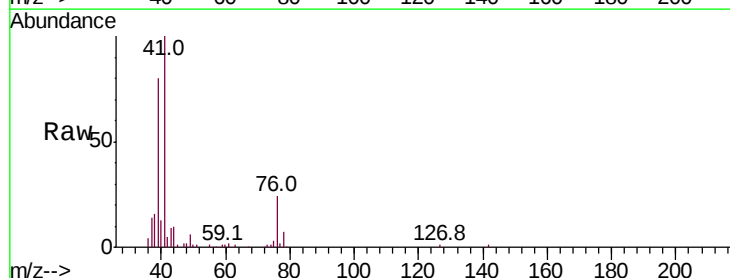
Tgt Ion: 41 Resp: 202708

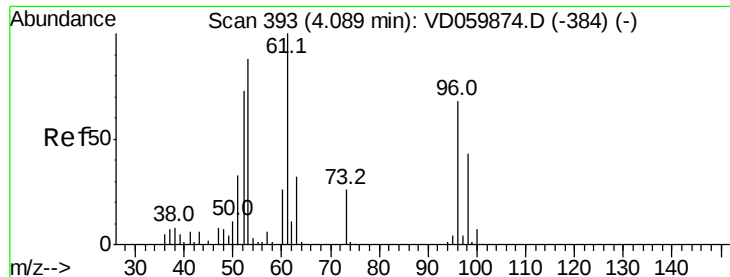
Ion Ratio Lower Upper

41 100

39 80.1 61.8 92.6

76 23.9 19.4 29.2





#15

Acrylonitrile

Concen: 104.026 ug/l

RT: 4.07 min Scan# 391

Delta R.T. -0.01 min

Lab File: VD059903.D

Acq: 24 Aug 2018 13:29

Instrument :
MSVOA_D
ClientSampled :

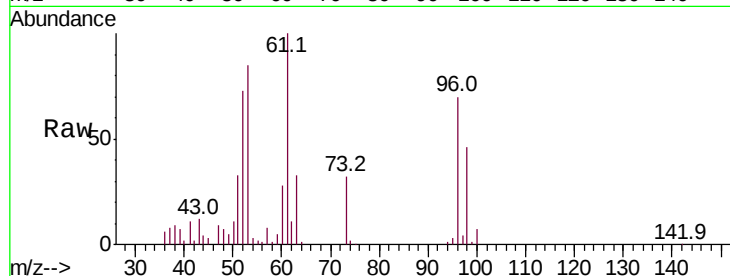
Tot Ion: 53 Resp: 312658

Ion Ratio Lower Upper

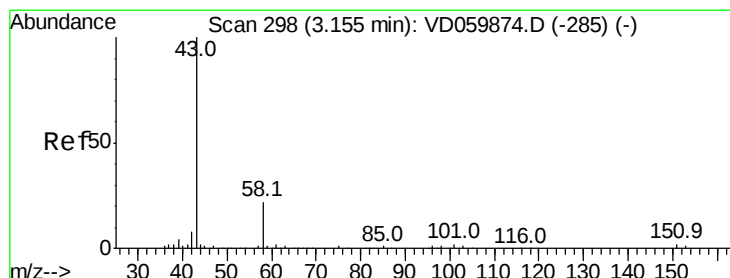
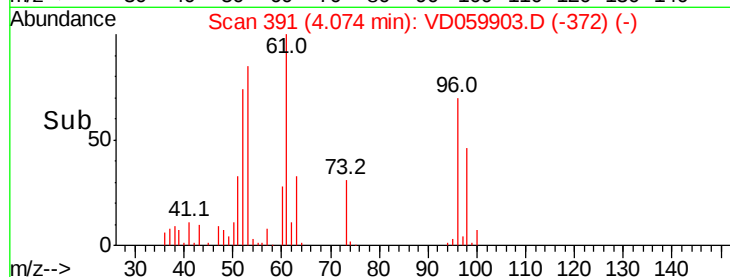
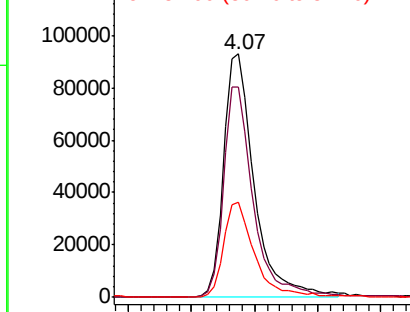
53 100

52 86.5 66.9 100.3

51 39.0 30.3 45.5



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 100.121 ug/l

RT: 3.15 min Scan# 297

Delta R.T. -0.01 min

Lab File: VD059903.D

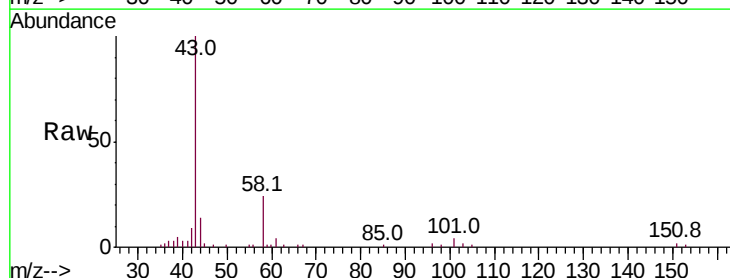
Acq: 24 Aug 2018 13:29

Tgt Ion: 43 Resp: 191872

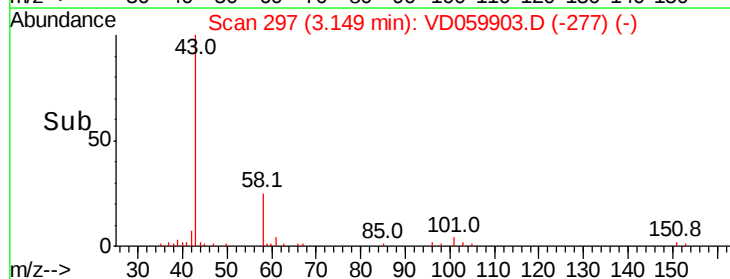
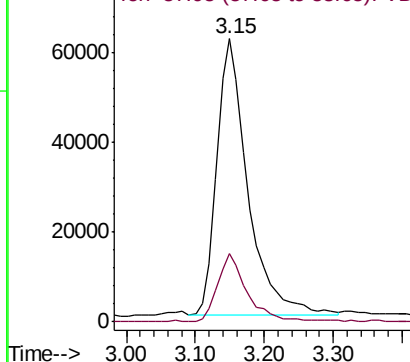
Ion Ratio Lower Upper

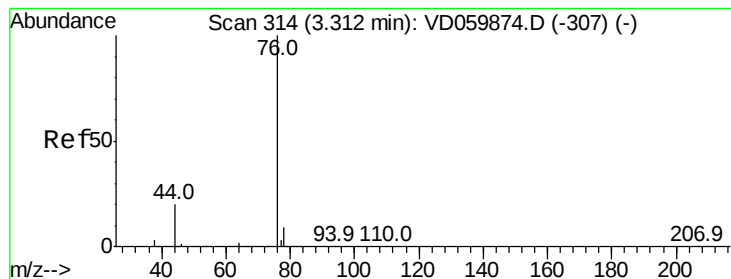
43 100

58 24.3 17.6 26.4



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





#17

Carbon Disulfide

Concen: 16.847 ug/l

RT: 3.30 min Scan# 312

Delta R.T. -0.01 min

Lab File: VD059903.D

Acq: 24 Aug 2018 13:29

Instrument :

MSVOA_D

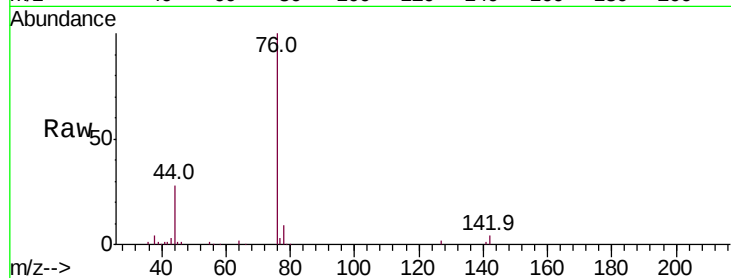
ClientSampleId :

Tot Ion: 76 Resp: 228558

Ion Ratio Lower Upper

76 100

78 8.7 7.4 11.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.30

100000

80000

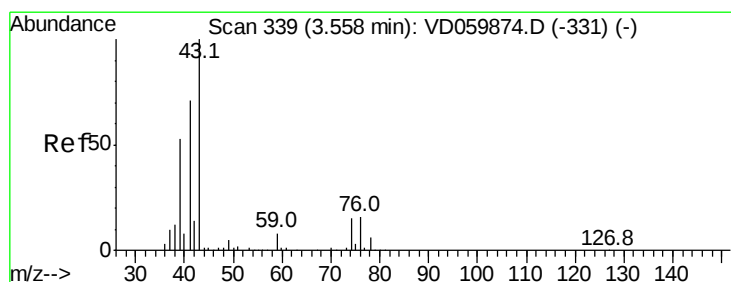
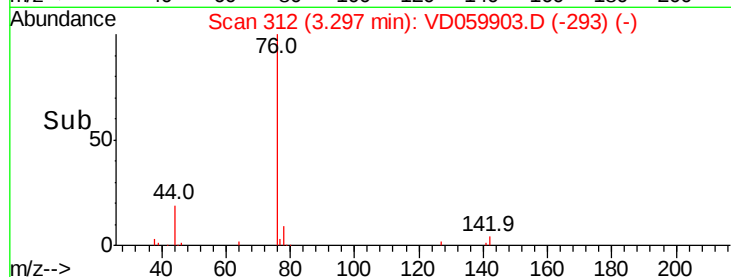
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 19.309 ug/l

RT: 3.54 min Scan# 337

Delta R.T. -0.02 min

Lab File: VD059903.D

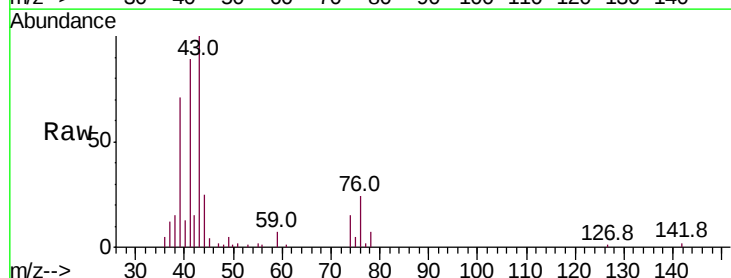
Acq: 24 Aug 2018 13:29

Tgt Ion: 43 Resp: 77249

Ion Ratio Lower Upper

43 100

74 15.4 11.2 16.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.54

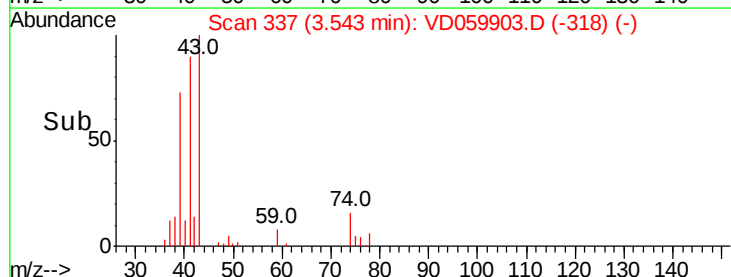
30000

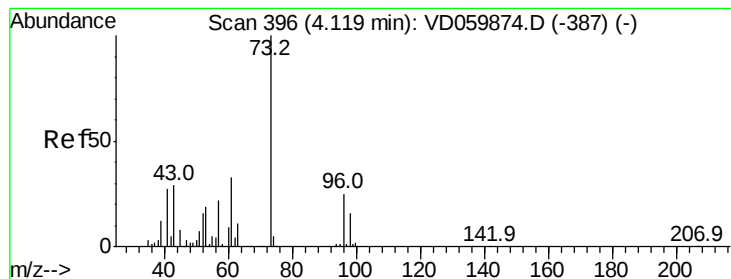
20000

10000

0

Time-->



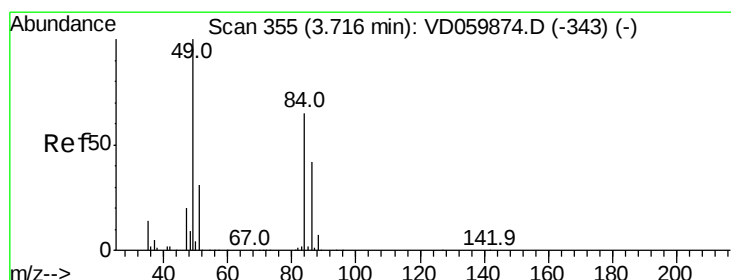
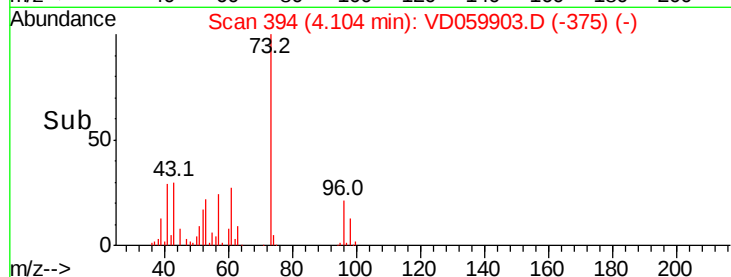
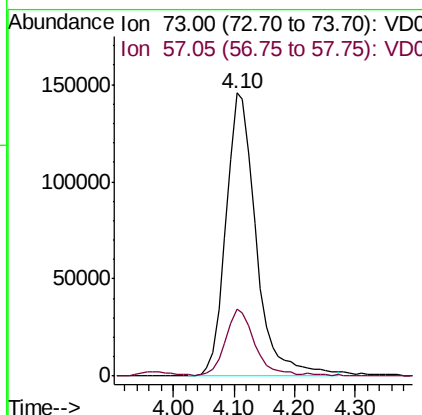
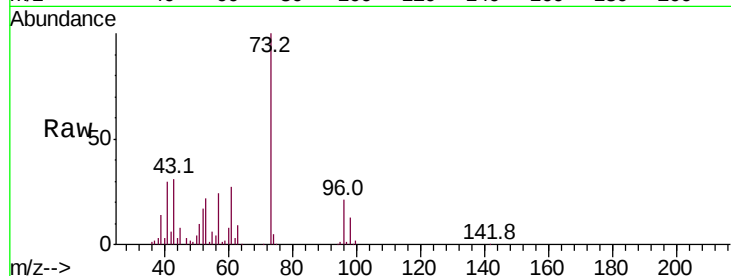


#19

Methyl tert-butyl Ether
 Concen: 20.459 ug/l
 RT: 4.10 min Scan# 394
 Delta R.T. -0.01 min
 Lab File: VD059903.D
 Acq: 24 Aug 2018 13:29

Instrument :
 MSVOA_D
 ClientSampled :

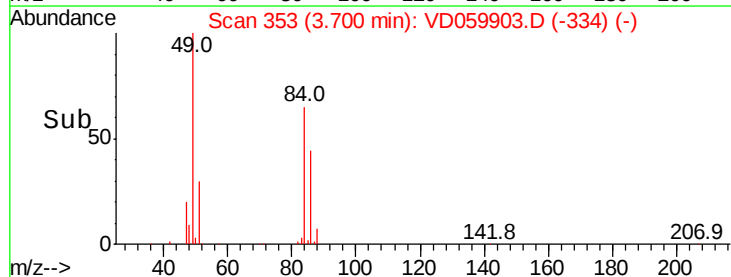
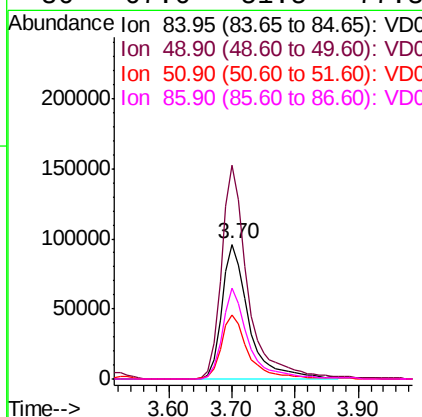
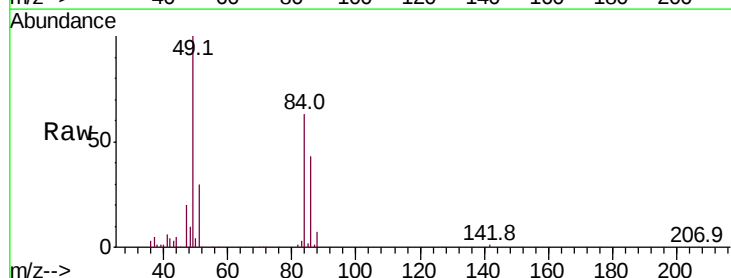
Tot Ion: 73 Resp: 505863
 Ion Ratio Lower Upper
 73 100
 57 23.7 17.9 26.9

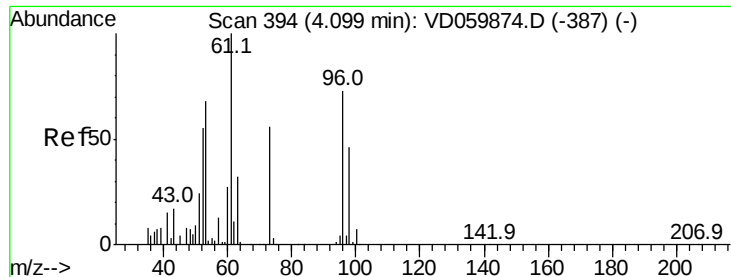


#20

Methylene Chloride
 Concen: 20.014 ug/l
 RT: 3.70 min Scan# 353
 Delta R.T. -0.01 min
 Lab File: VD059903.D
 Acq: 24 Aug 2018 13:29

Tgt Ion: 84 Resp: 284552
 Ion Ratio Lower Upper
 84 100
 49 158.9 122.6 183.8
 51 48.0 38.4 57.6
 86 67.6 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 18.482 ug/l

RT: 4.08 min Scan# 392

Delta R.T. -0.01 min

Lab File: VD059903.D

Acq: 24 Aug 2018 13:29

Instrument :

MSVOA_D

ClientSampleId :

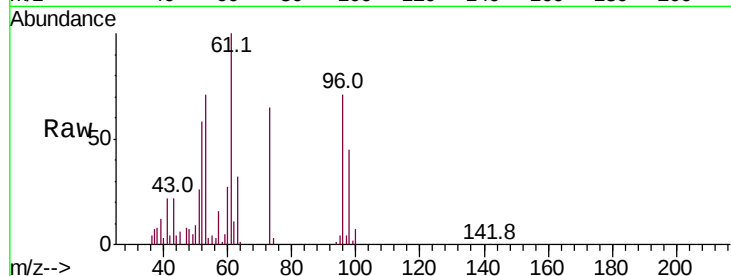
Tot Ion: 96 Resp: 222563

Ion Ratio Lower Upper

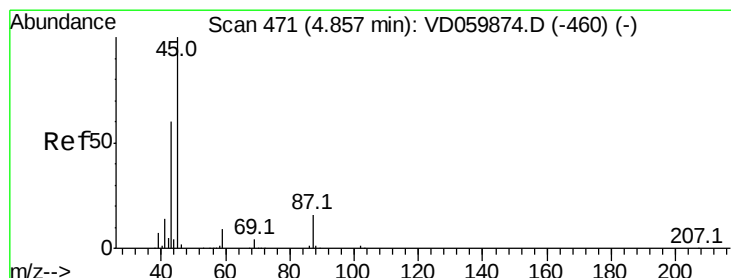
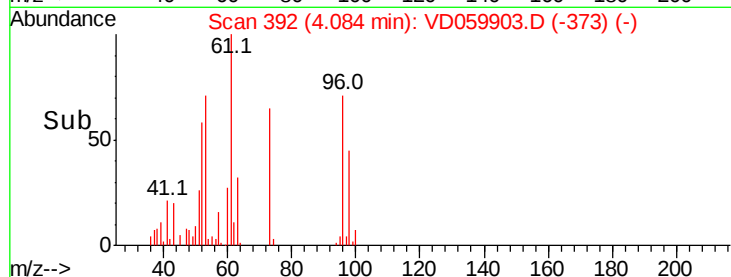
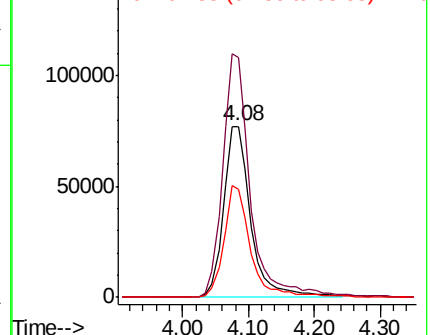
96 100

61 140.0 110.2 165.4

98 63.0 50.9 76.3



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: 21.190 ug/l

RT: 4.84 min Scan# 469

Delta R.T. -0.01 min

Lab File: VD059903.D

Acq: 24 Aug 2018 13:29

Tgt Ion: 45 Resp: 1068582

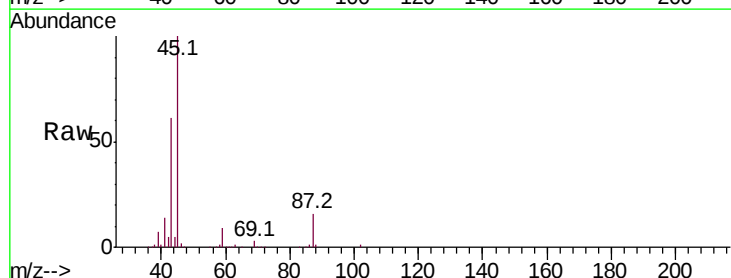
Ion Ratio Lower Upper

45 100

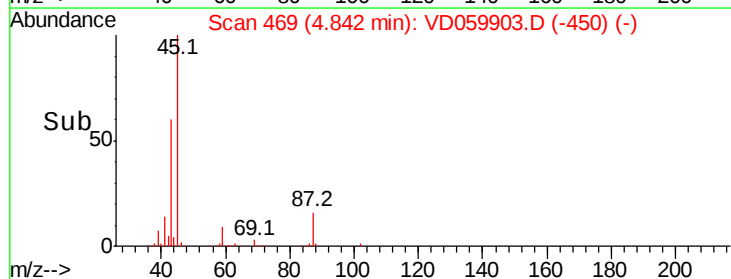
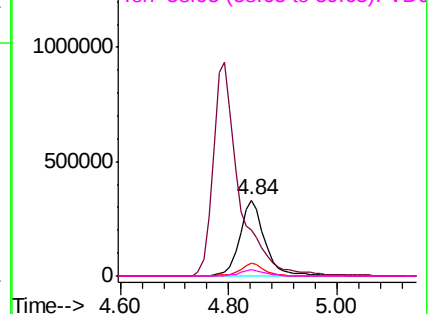
43 60.6 48.6 72.8

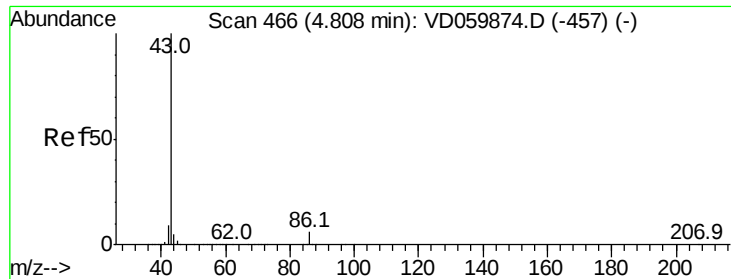
87 16.4 13.3 19.9

59 8.5 7.1 10.7



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

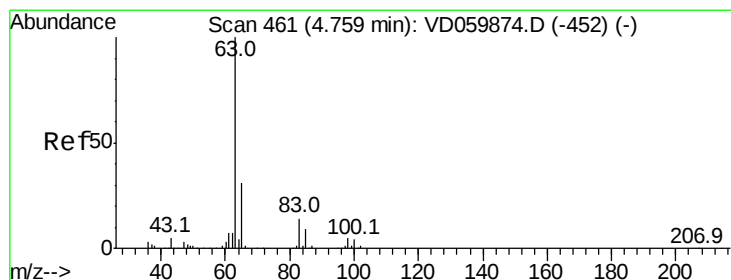
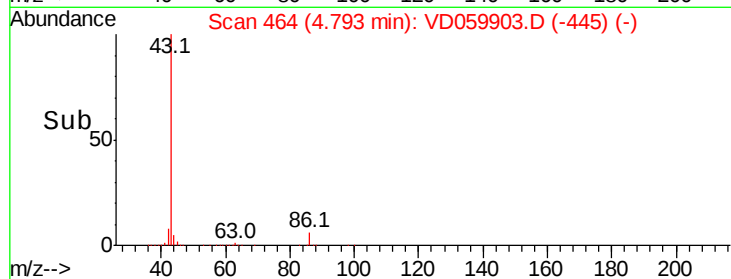
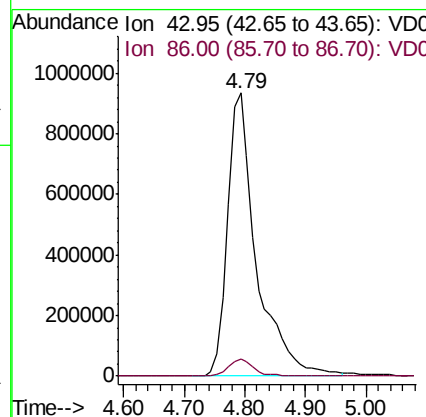
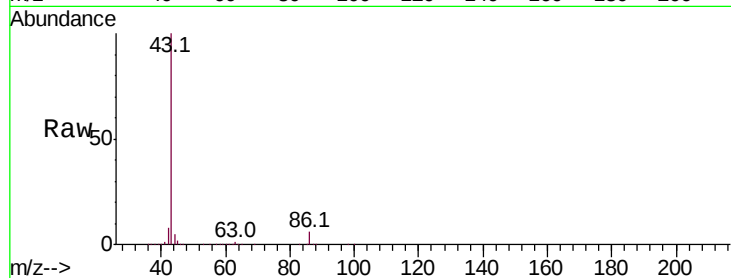




#23
 Vinyl Acetate
 Concen: 109.457 ug/l
 RT: 4.79 min Scan# 464
 Delta R.T. -0.01 min
 Lab File: VD059903.D
 Acq: 24 Aug 2018 13:29

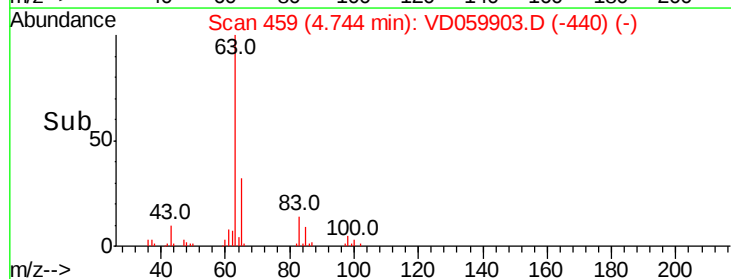
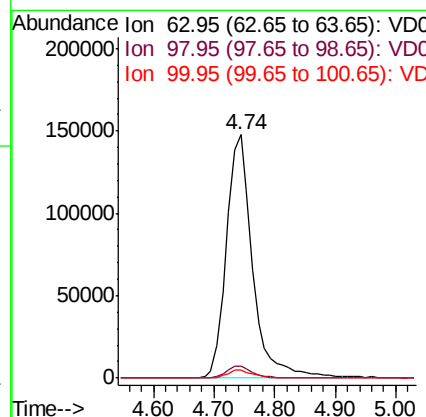
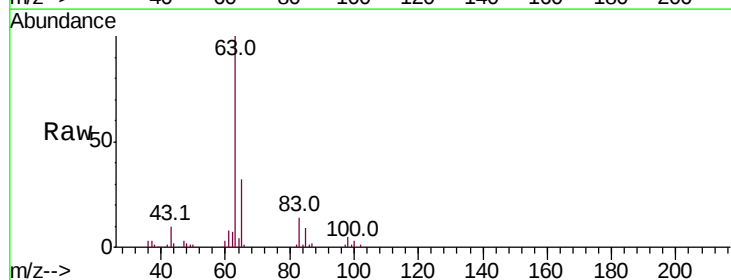
Instrument :
 MSVOA_D
 ClientSampleID :

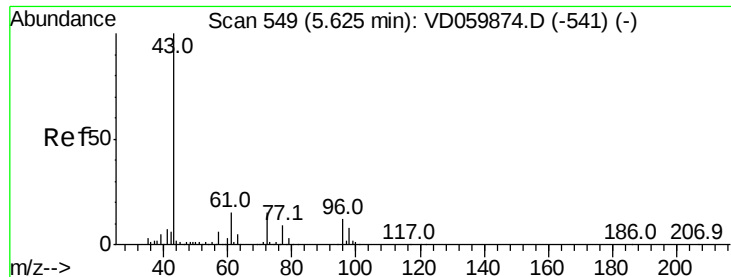
Tot Ion: 43 Resp: 3085552
 Ion Ratio Lower Upper
 43 100
 86 6.2 5.0 7.6



#24
 1,1-Dichloroethane
 Concen: 20.382 ug/l
 RT: 4.74 min Scan# 459
 Delta R.T. -0.01 min
 Lab File: VD059903.D
 Acq: 24 Aug 2018 13:29

Tgt Ion: 63 Resp: 444033
 Ion Ratio Lower Upper
 63 100
 98 4.9 2.7 8.1
 100 3.1 1.8 5.3





#25

2-Butanone

Concen: 95.214 ug/l

RT: 5.61 min Scan# 547

Delta R.T. -0.01 min

Lab File: VD059903.D

Acq: 24 Aug 2018 13:29

Instrument :

MSVOA_D

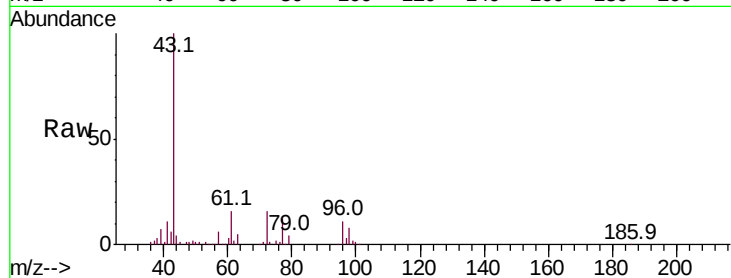
ClientSampled :

Tot Ion: 43 Resp: 540416

Ion Ratio Lower Upper

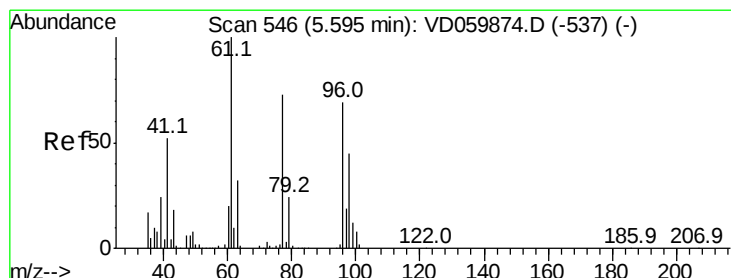
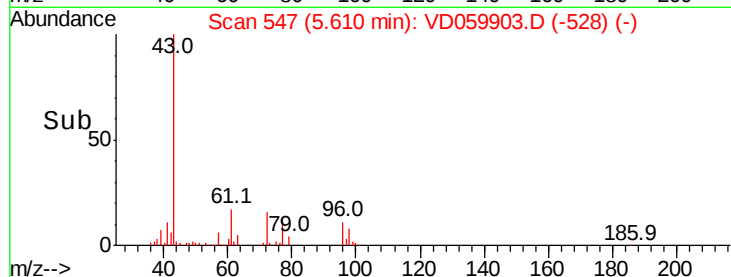
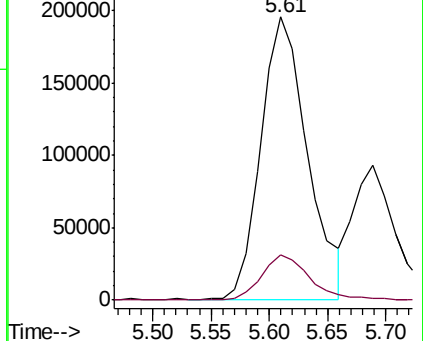
43 100

72 15.9 12.3 18.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 20.706 ug/l

RT: 5.57 min Scan# 543

Delta R.T. -0.02 min

Lab File: VD059903.D

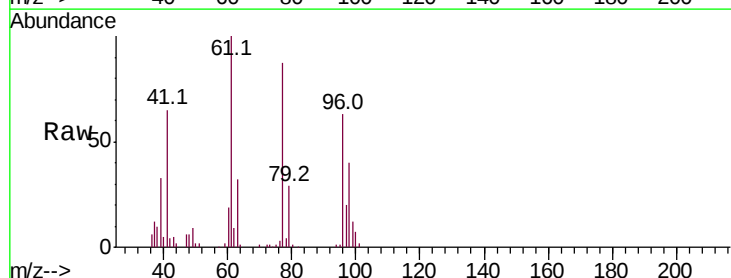
Acq: 24 Aug 2018 13:29

Tgt Ion: 77 Resp: 377097

Ion Ratio Lower Upper

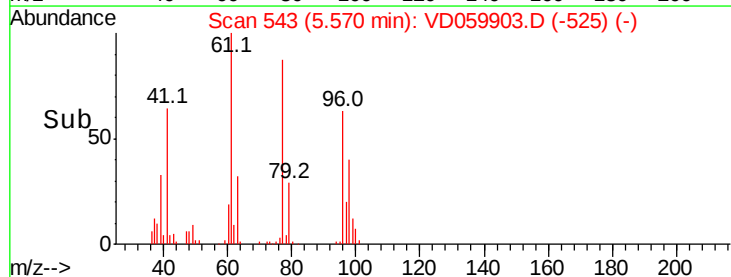
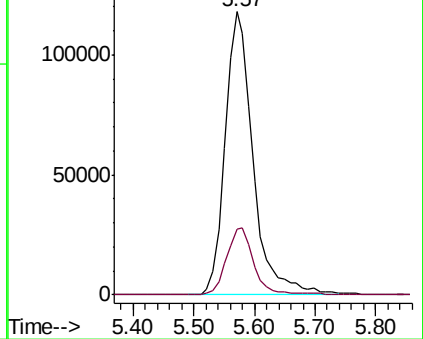
77 100

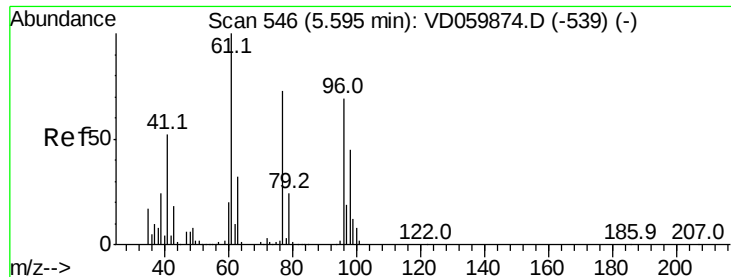
97 23.3 13.0 38.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



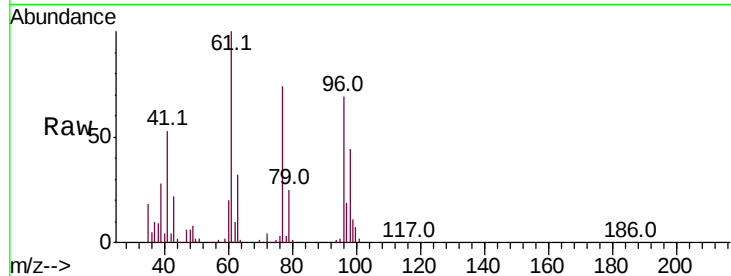


#27

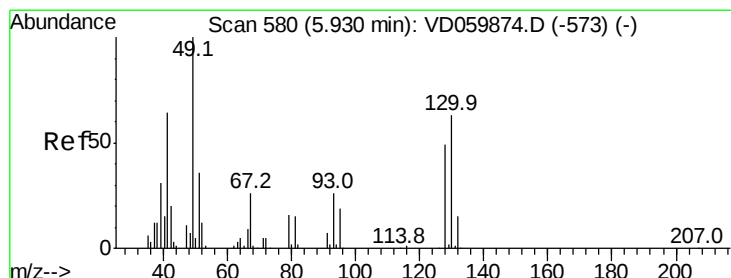
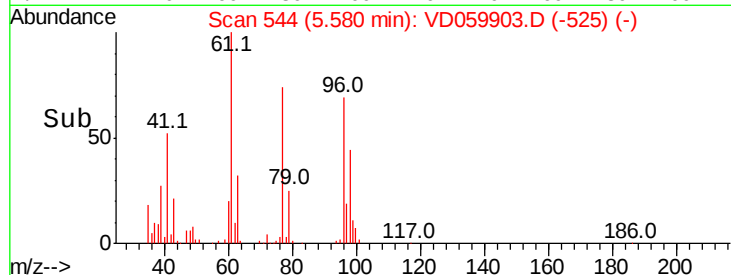
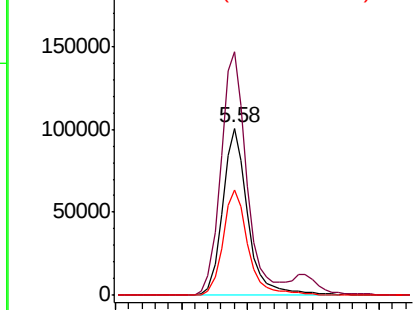
cis-1,2-Dichloroethene
 Concen: 20.390 ug/l
 RT: 5.58 min Scan# 544
 Delta R.T. -0.01 min
 Lab File: VD059903.D
 Acq: 24 Aug 2018 13:29

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	96	Resp	268839
Ion	Ratio	Lower	Upper
96	100		
61	145.7	0.0	290.2
98	63.4	0.0	130.4



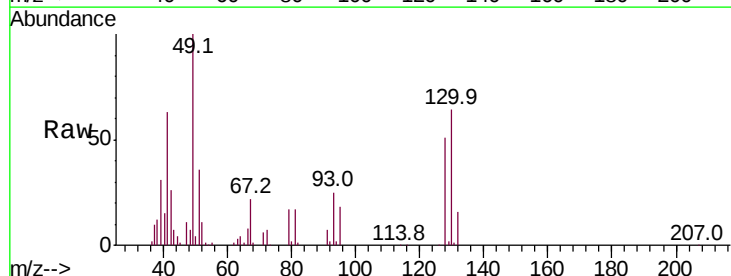
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



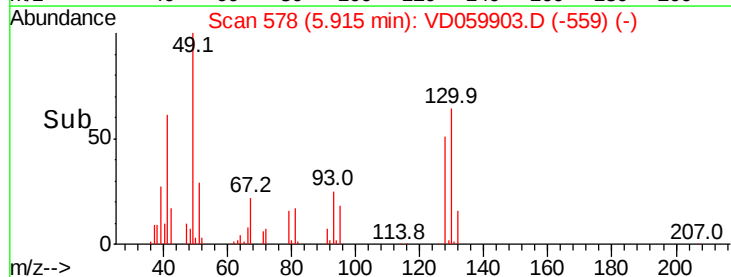
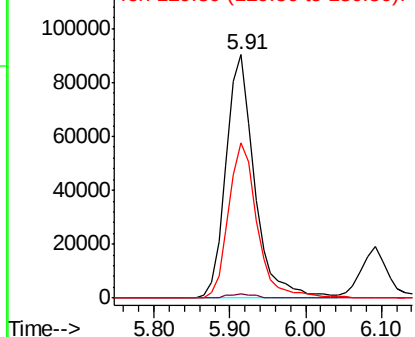
#28

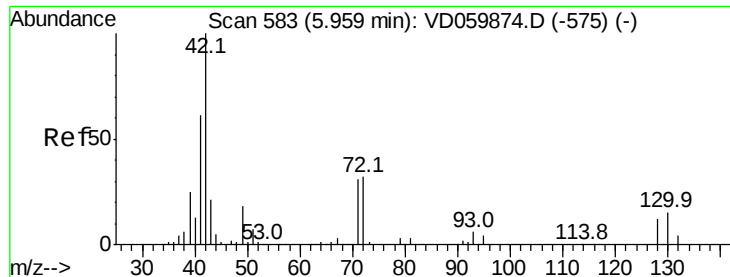
Bromochloromethane
 Concen: 22.593 ug/l
 RT: 5.91 min Scan# 578
 Delta R.T. -0.01 min
 Lab File: VD059903.D
 Acq: 24 Aug 2018 13:29

Tgt Ion	49	Resp	235895
Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.2
130	63.7	50.6	75.8



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





#29

Tetrahydrofuran

Concen: 105.051 ug/l

RT: 5.94 min Scan# 581

Delta R.T. -0.01 min

Lab File: VD059903.D

Acq: 24 Aug 2018 13:29

Instrument :

MSVOA_D

ClientSampled :

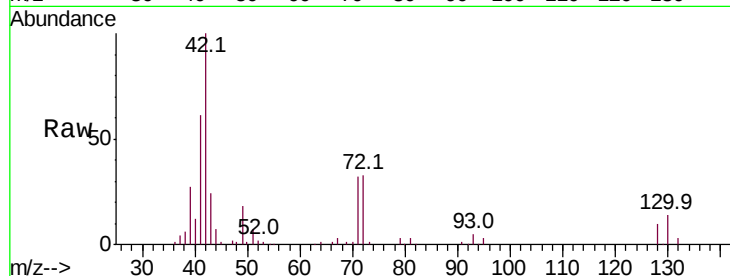
Tot Ion: 42 Resp: 283859

Ion Ratio Lower Upper

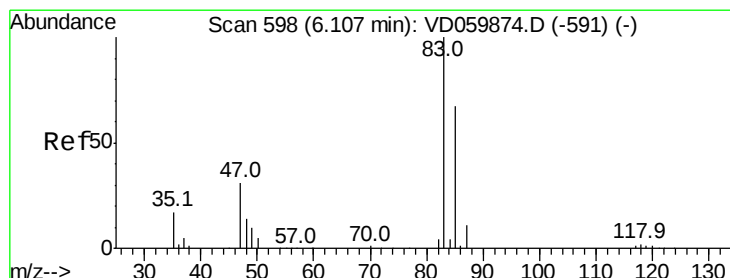
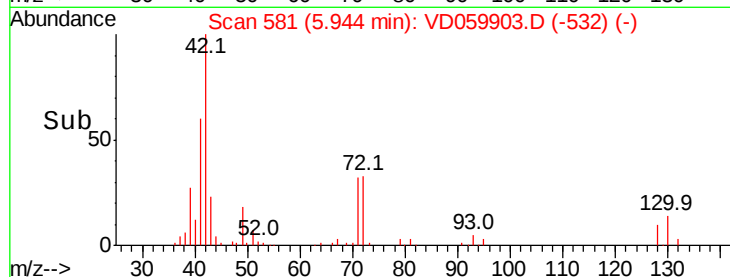
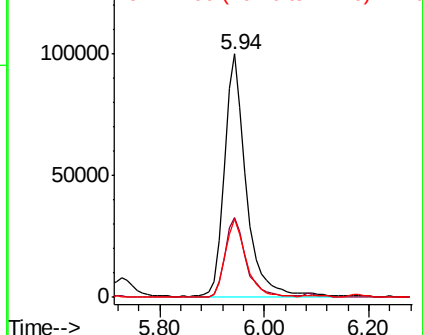
42 100

72 32.4 25.7 38.5

71 31.3 25.3 37.9



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 20.745 ug/l

RT: 6.09 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD059903.D

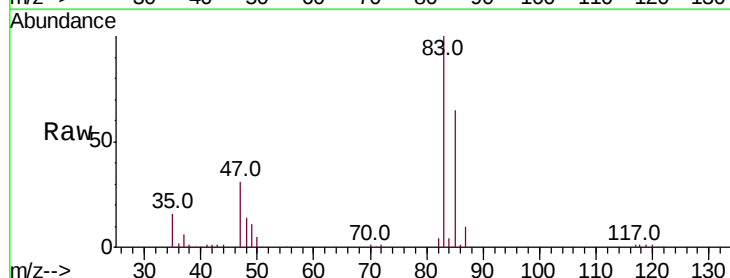
Acq: 24 Aug 2018 13:29

Tgt Ion: 83 Resp: 459286

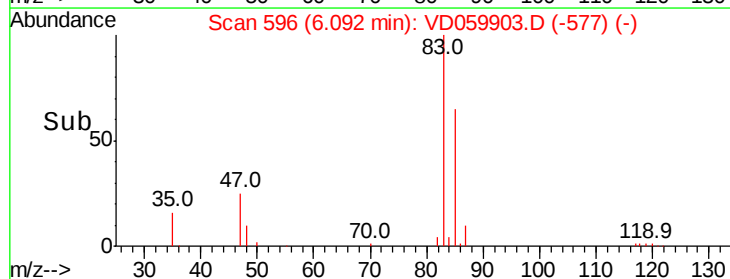
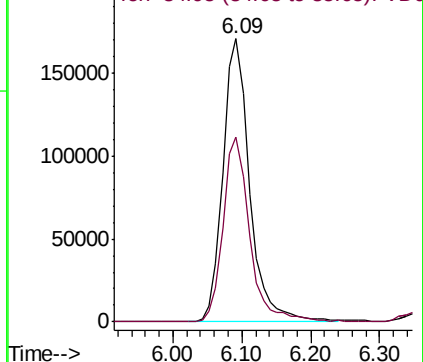
Ion Ratio Lower Upper

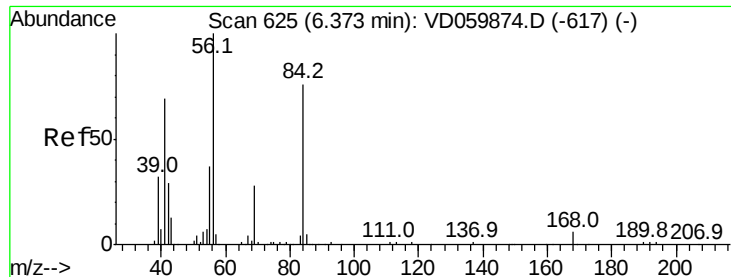
83 100

85 65.2 53.5 80.3



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

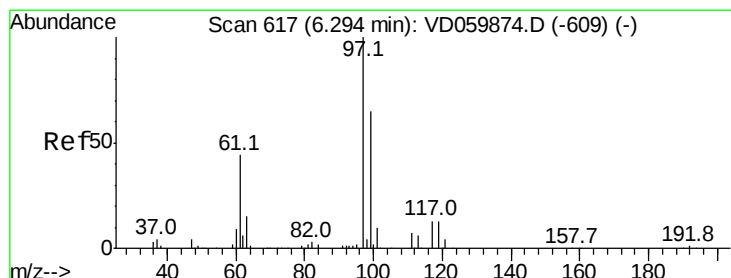
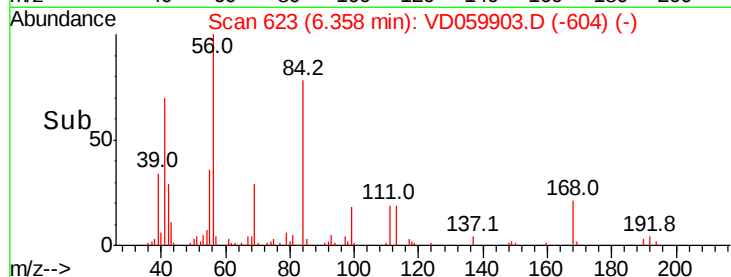
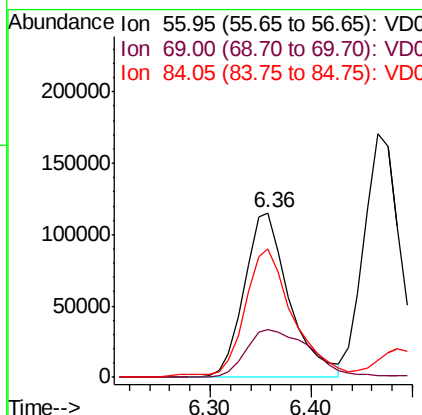
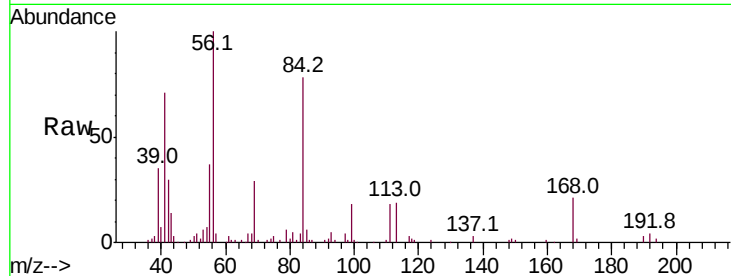




#31
Cyclohexane
Concen: 17.915 ug/l
RT: 6.36 min Scan# 623
Delta R.T. -0.01 min
Lab File: VD059903.D
Acq: 24 Aug 2018 13:29

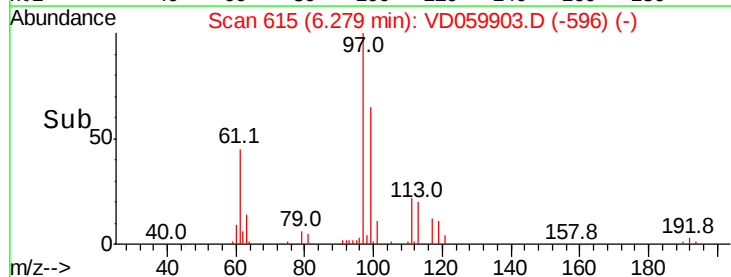
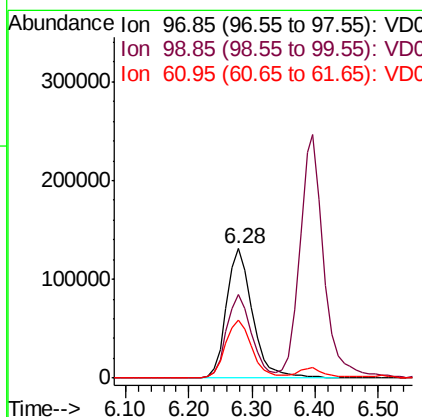
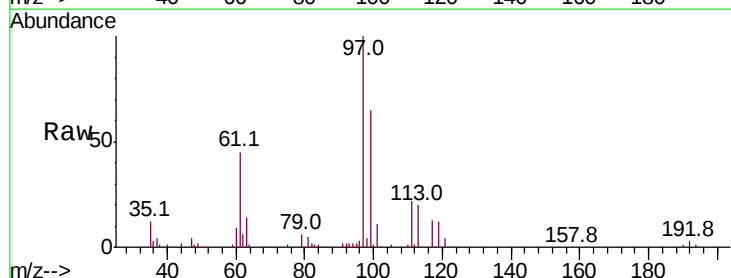
Instrument :
MSVOA_D
ClientSampleId :

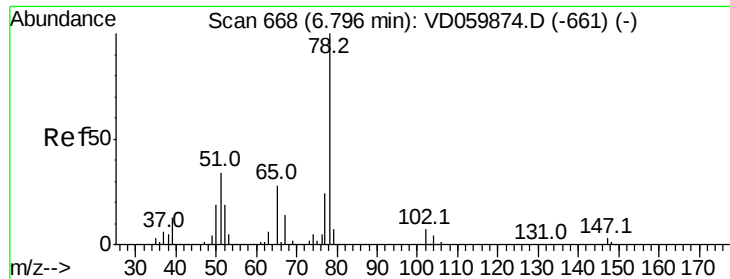
Tot Ion: 56 Resp: 358807
Ion Ratio Lower Upper
56 100
69 29.3 22.4 33.6
84 78.0 62.1 93.1



#32
1,1,1-Trichloroethane
Concen: 19.979 ug/l
RT: 6.28 min Scan# 615
Delta R.T. -0.01 min
Lab File: VD059903.D
Acq: 24 Aug 2018 13:29

Tgt Ion: 97 Resp: 375427
Ion Ratio Lower Upper
97 100
99 65.0 51.7 77.5
61 45.0 35.4 53.2





#33

1,2-Dichloroethane-d4

Concen: 19.979 ug/l

RT: 6.77 min Scan# 665

Delta R.T. -0.02 min

Lab File: VD059903.D

Acq: 24 Aug 2018 13:29

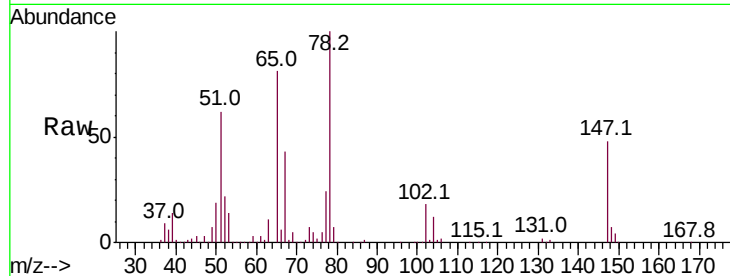
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 65 Resp: 558505

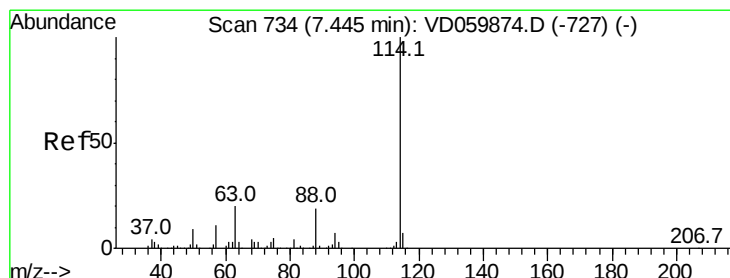
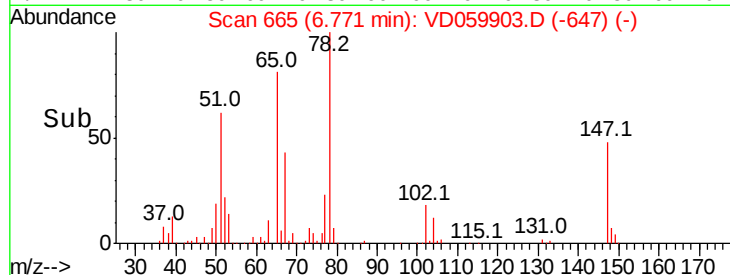
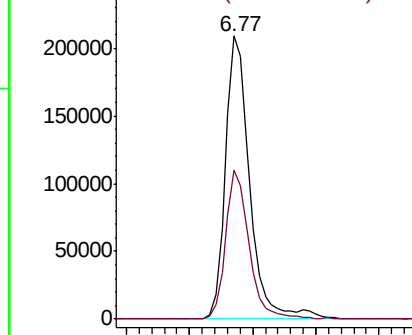
Ion Ratio Lower Upper

65 100

67 52.5 0.0 103.8



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.43 min Scan# 732

Delta R.T. -0.01 min

Lab File: VD059903.D

Acq: 24 Aug 2018 13:29

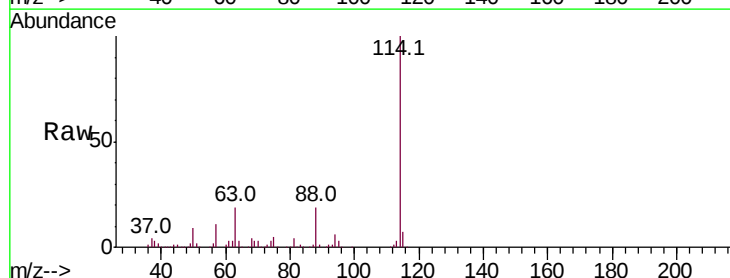
Tgt Ion:114 Resp: 1780034

Ion Ratio Lower Upper

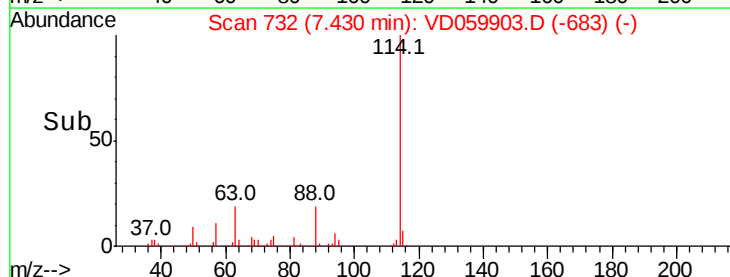
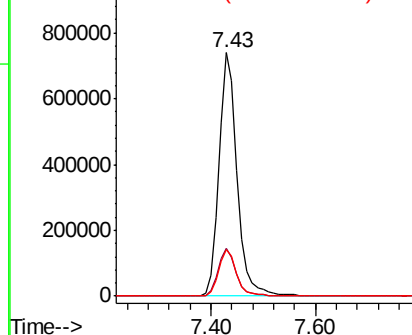
114 100

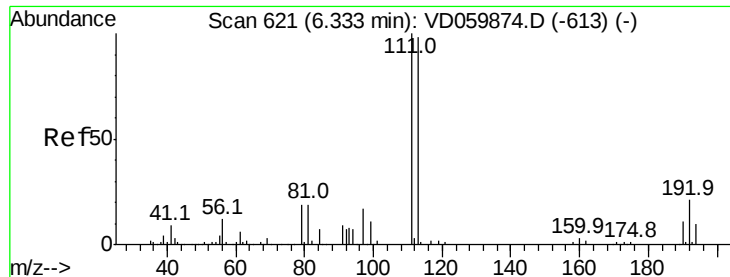
63 19.4 0.0 39.4

88 19.2 0.0 37.6



Abundance Ion 114.00 (113.70 to 114.70): V
Ion 62.95 (62.65 to 63.65): VDC
Ion 87.90 (87.60 to 88.60): VDC

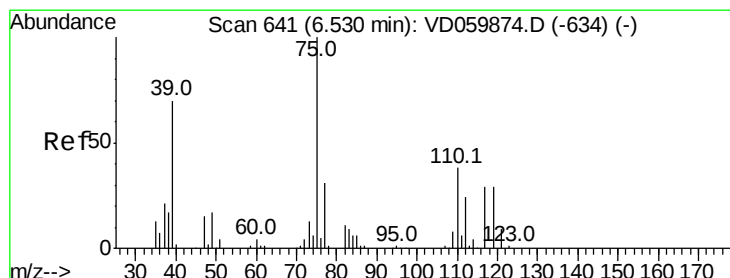
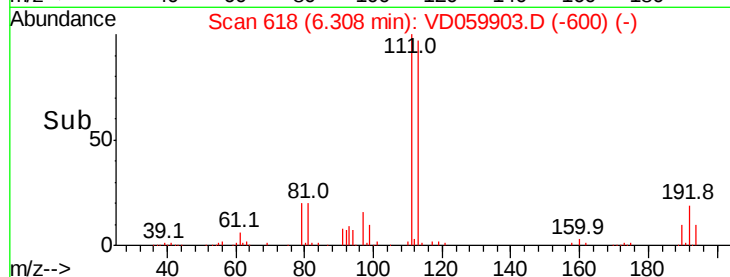
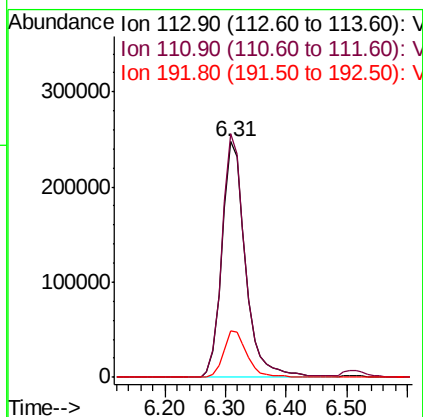
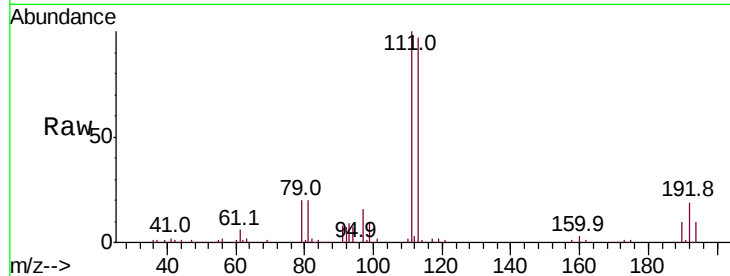




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.31 min Scan# 618
 Delta R.T. -0.02 min
 Lab File: VD059903.D
 Acq: 24 Aug 2018 13:29

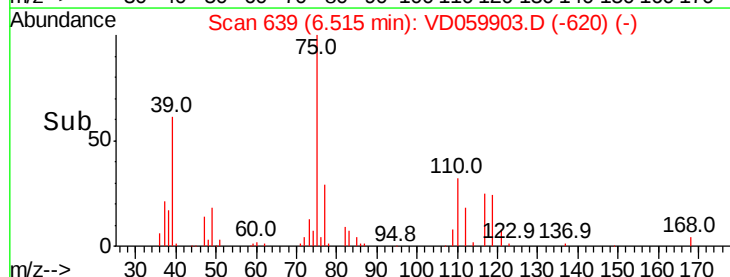
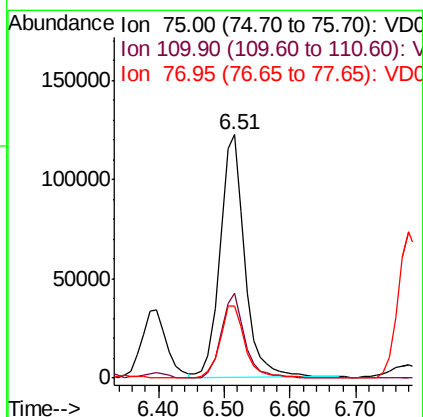
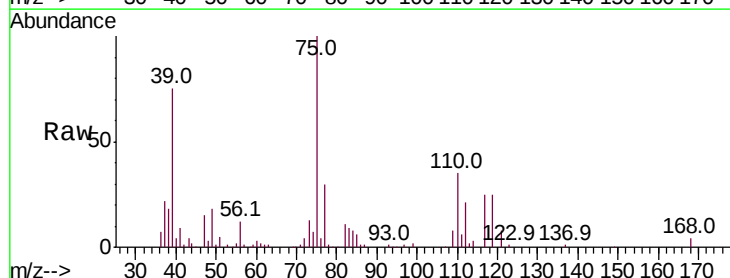
Instrument :
 MSVOA_D
 ClientSampleId :

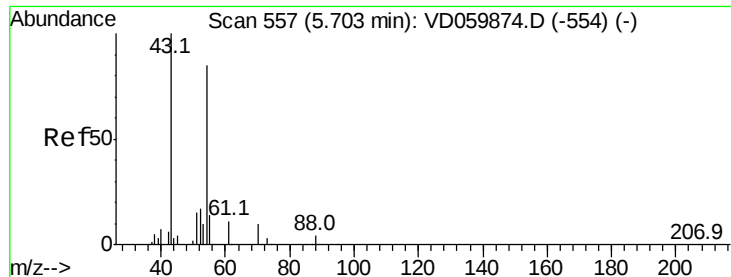
Tot Ion:113 Resp: 670294
 Ion Ratio Lower Upper
 113 100
 111 103.3 81.4 122.2
 192 19.5 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 19.736 ug/l
 RT: 6.51 min Scan# 639
 Delta R.T. -0.01 min
 Lab File: VD059903.D
 Acq: 24 Aug 2018 13:29

Tgt Ion: 75 Resp: 318466
 Ion Ratio Lower Upper
 75 100
 110 34.9 18.6 56.0
 77 29.7 25.1 37.7

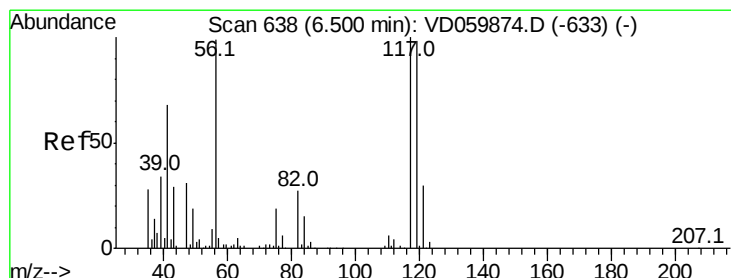
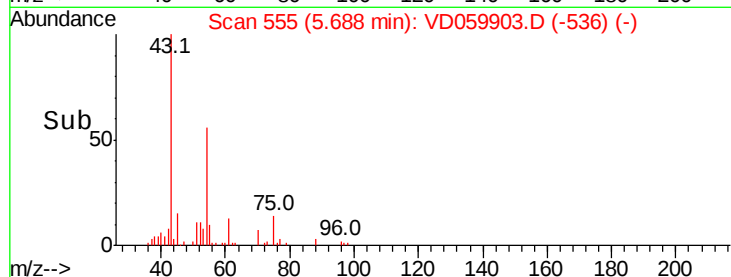
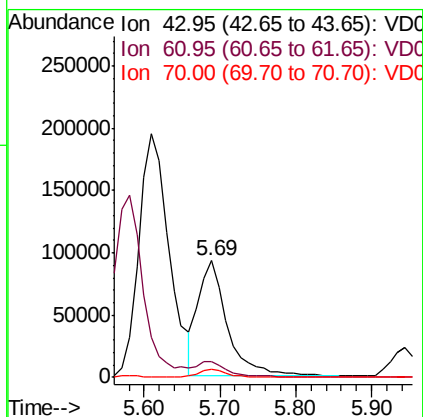
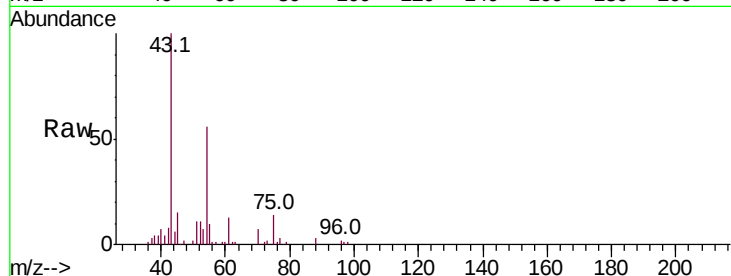




#37
Ethyl Acetate
Concen: 19.643 ug/l
RT: 5.69 min Scan# 555
Delta R.T. -0.02 min
Lab File: VD059903.D
Acq: 24 Aug 2018 13:29

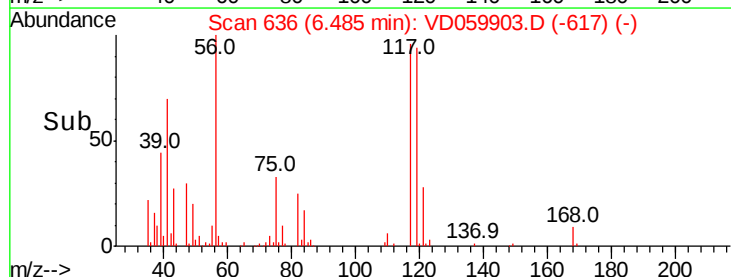
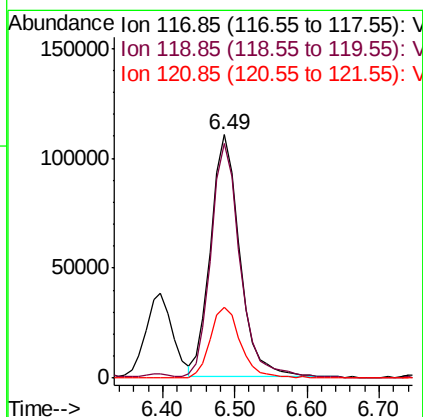
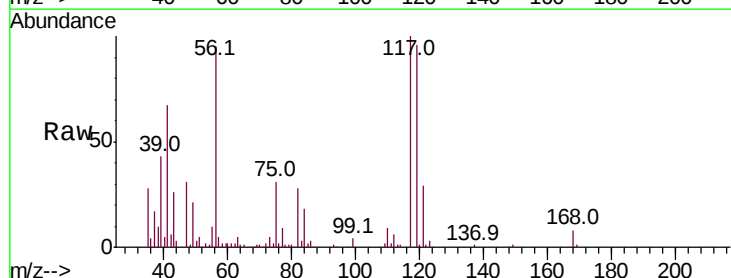
Instrument :
MSVOA_D
ClientSampled :

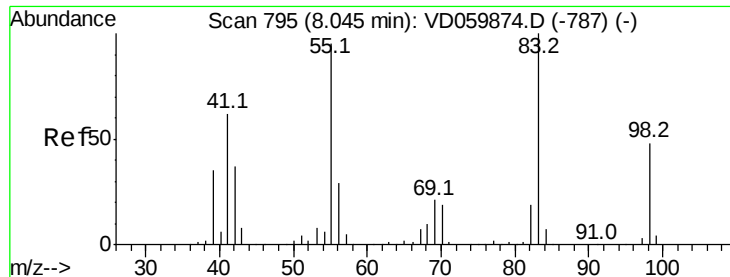
Tot Ion: 43 Resp: 246643
Ion Ratio Lower Upper
43 100
61 13.1 11.0 16.6
70 7.2 5.7 8.5



#38
Carbon Tetrachloride
Concen: 18.872 ug/l
RT: 6.49 min Scan# 636
Delta R.T. -0.01 min
Lab File: VD059903.D
Acq: 24 Aug 2018 13:29

Tgt Ion: 117 Resp: 307321
Ion Ratio Lower Upper
117 100
119 96.5 77.2 115.8
121 29.3 24.0 36.0

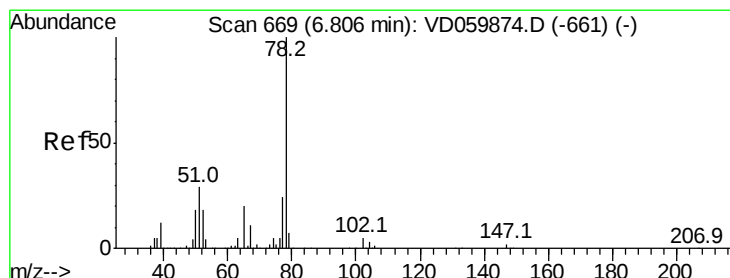
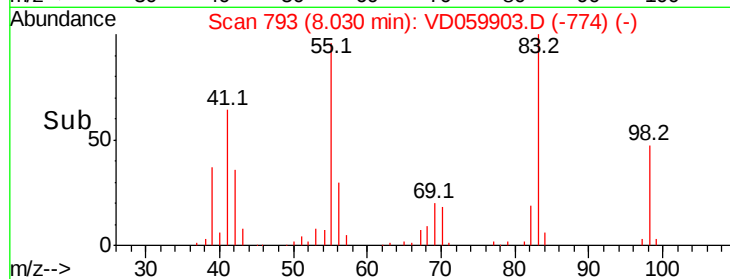
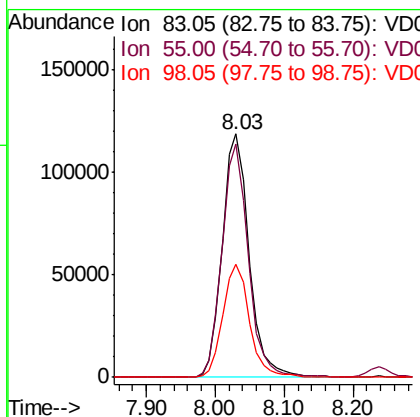
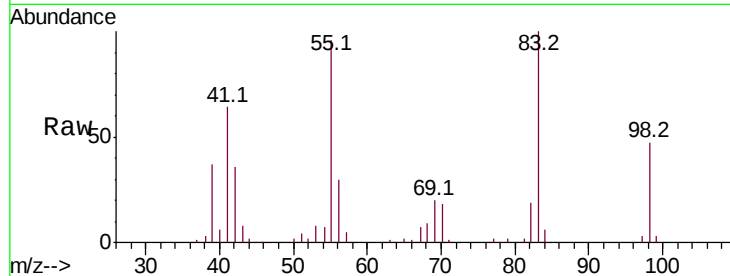




#39
Methvlcvclohexane
Concen: 18.418 ug/l
RT: 8.03 min Scan# 793
Delta R.T. -0.01 min
Lab File: VD059903.D
Acq: 24 Aug 2018 13:29

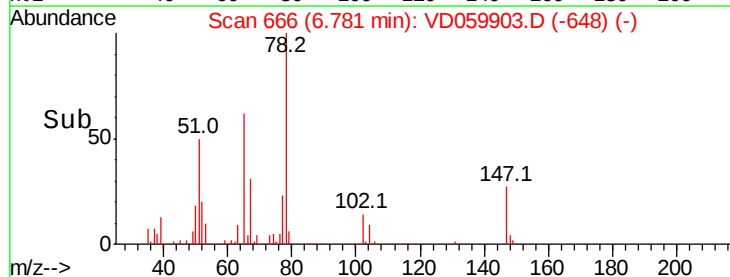
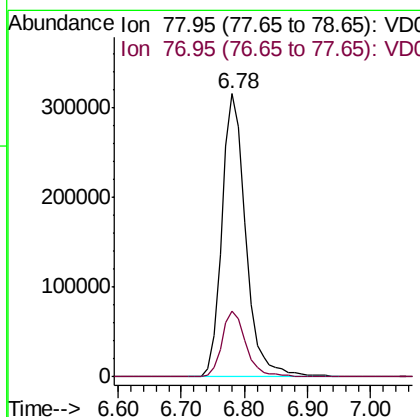
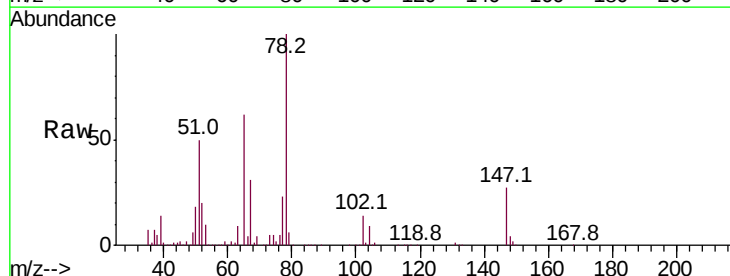
Instrument :
MSVOA_D
ClientSampleId :

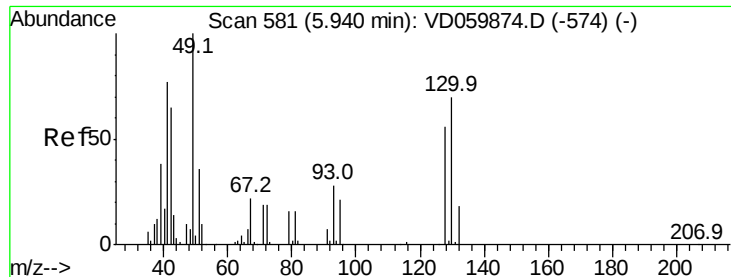
Tot Ion: 83 Resp: 321093
Ion Ratio Lower Upper
83 100
55 95.7 75.8 113.6
98 46.7 38.3 57.5



#40
Benzene
Concen: 19.846 ug/l
RT: 6.78 min Scan# 666
Delta R.T. -0.02 min
Lab File: VD059903.D
Acq: 24 Aug 2018 13:29

Tgt Ion: 78 Resp: 832674
Ion Ratio Lower Upper
78 100
77 23.3 19.0 28.4

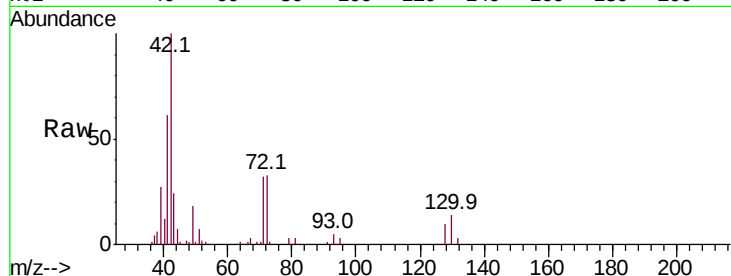




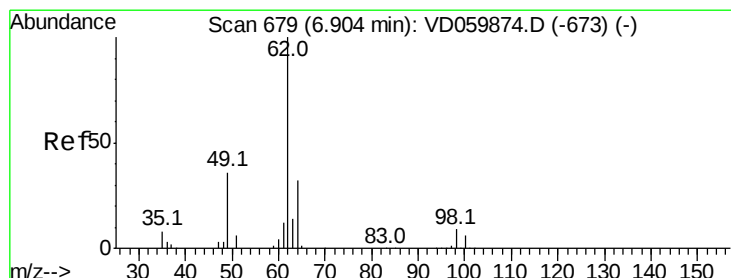
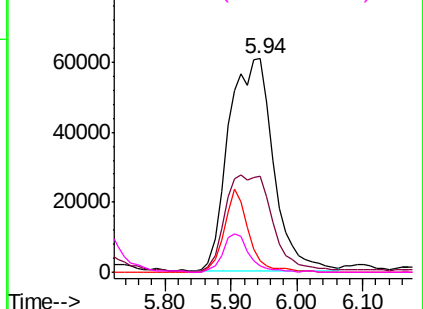
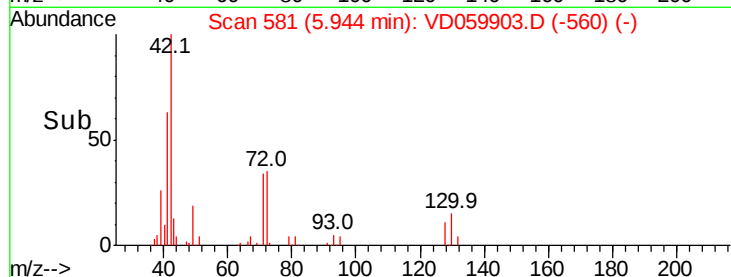
#41
Methacrylonitrile
Concen: 45.701 ug/l
RT: 5.94 min Scan# 581
Delta R.T. 0.00 min
Lab File: VD059903.D
Acq: 24 Aug 2018 13:29

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 41 Resp: 289059
Ion Ratio Lower Upper
41 100
39 45.1 39.4 59.2
67 5.6 22.2 33.2#
52 3.3 10.1 15.1#

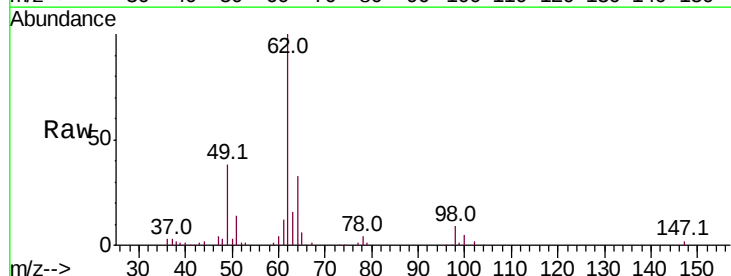


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

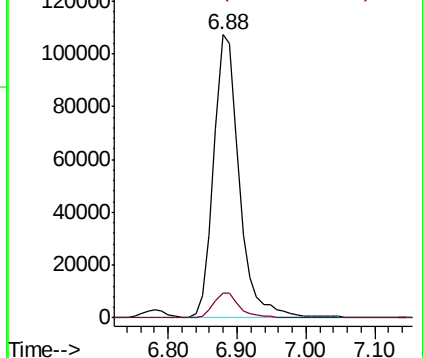
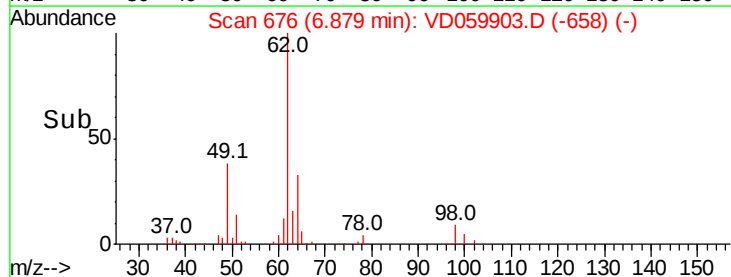


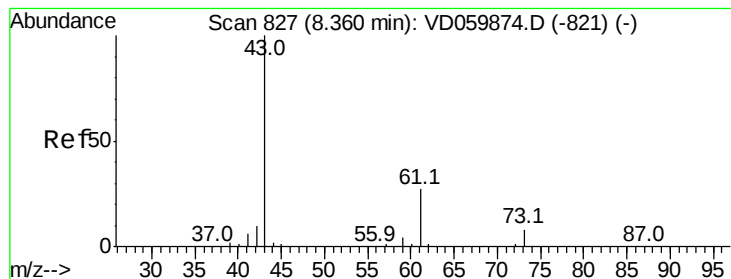
#42
1,2-Dichloroethane
Concen: 20.385 ug/l
RT: 6.88 min Scan# 676
Delta R.T. -0.02 min
Lab File: VD059903.D
Acq: 24 Aug 2018 13:29

Tgt Ion: 62 Resp: 274575
Ion Ratio Lower Upper
62 100
98 8.7 0.0 18.4



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 20.562 ug/l

RT: 8.35 min Scan# 825

Delta R.T. -0.01 min

Lab File: VD059903.D

Acq: 24 Aug 2018 13:29

Instrument :

MSVOA_D

ClientSampled :

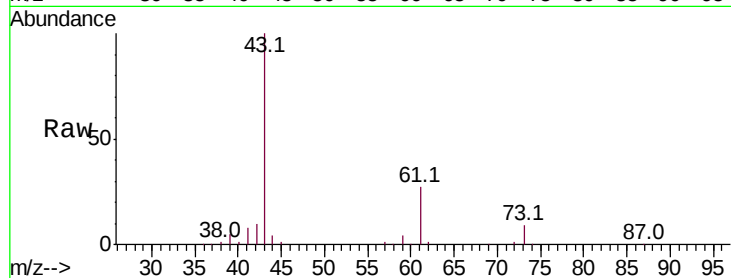
Tot Ion: 43 Resp: 335886

Ion Ratio Lower Upper

43 100

61 27.4 21.4 32.2

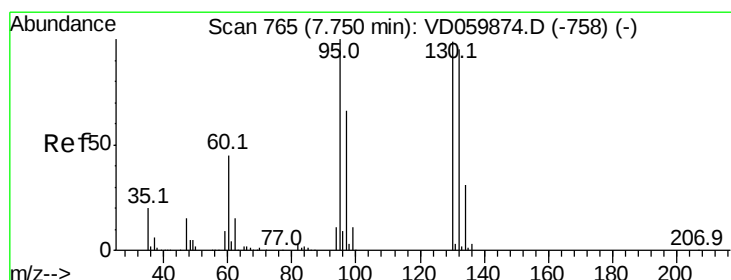
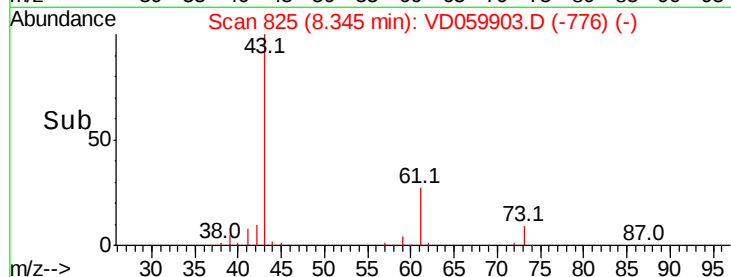
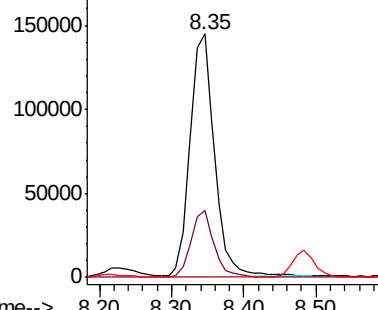
87 0.3 0.2 0.4



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: 19.406 ug/l

RT: 7.73 min Scan# 762

Delta R.T. -0.02 min

Lab File: VD059903.D

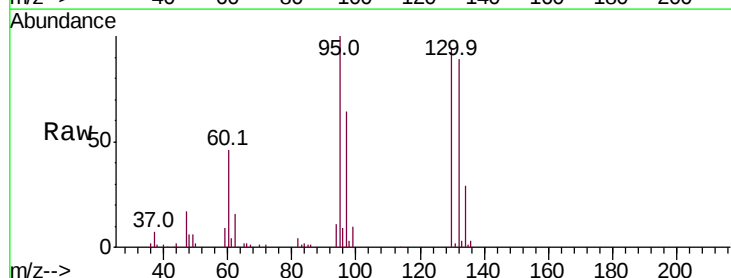
Acq: 24 Aug 2018 13:29

Tgt Ion:130 Resp: 239738

Ion Ratio Lower Upper

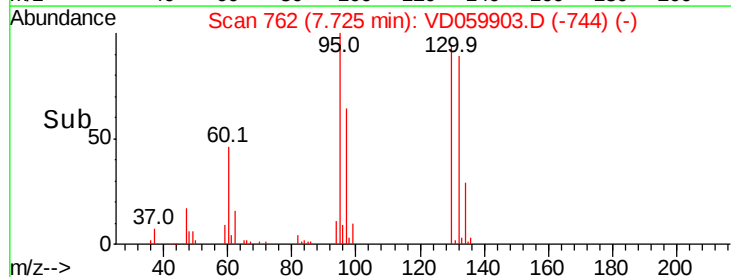
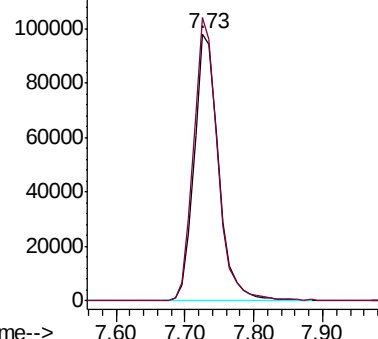
130 100

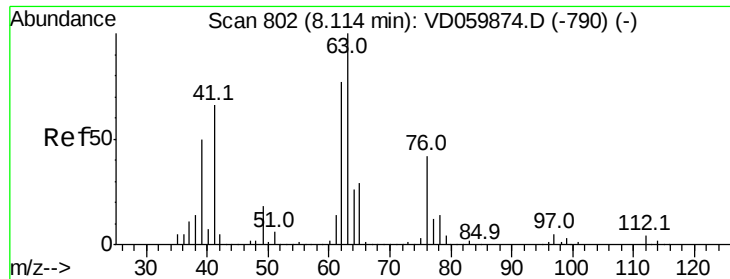
95 106.1 0.0 202.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

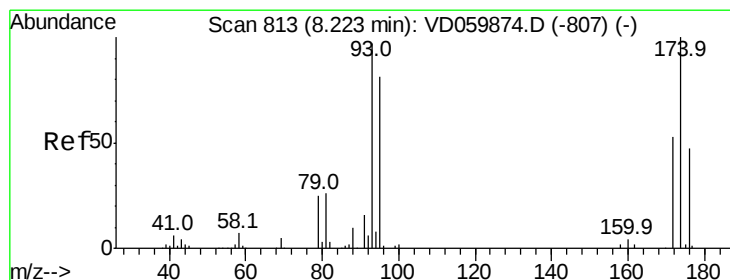
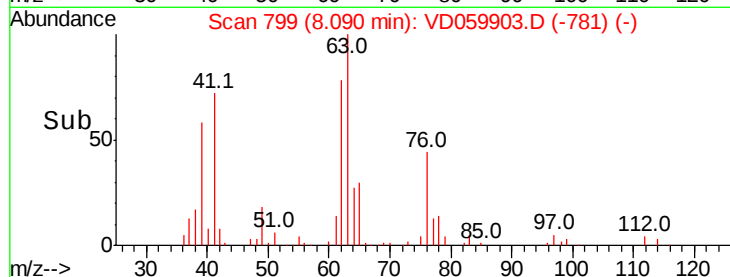
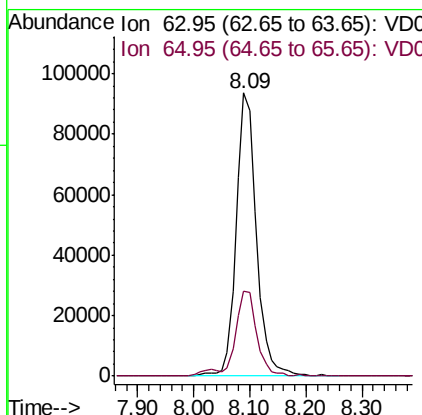
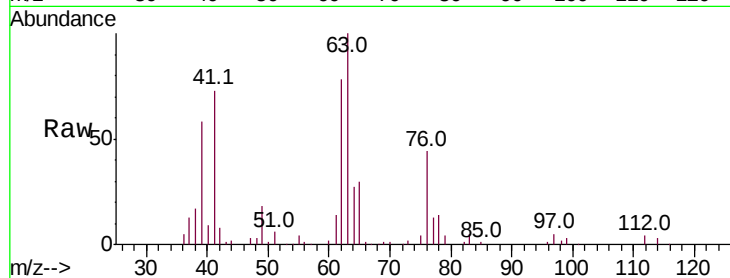




#45
 1,2-Dichloropropane
 Concen: 19.974 ug/l
 RT: 8.09 min Scan# 799
 Delta R.T. -0.02 min
 Lab File: VD059903.D
 Acq: 24 Aug 2018 13:29

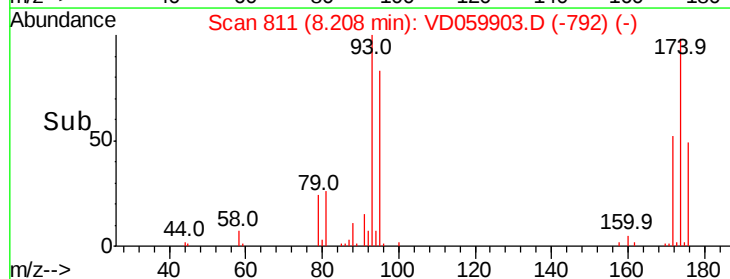
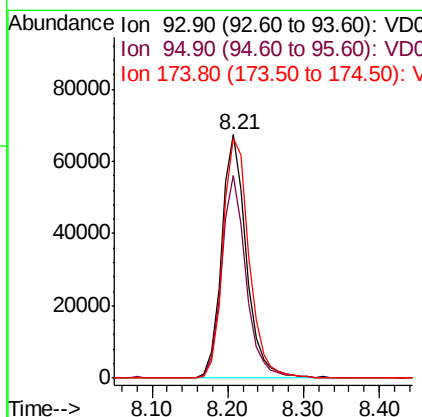
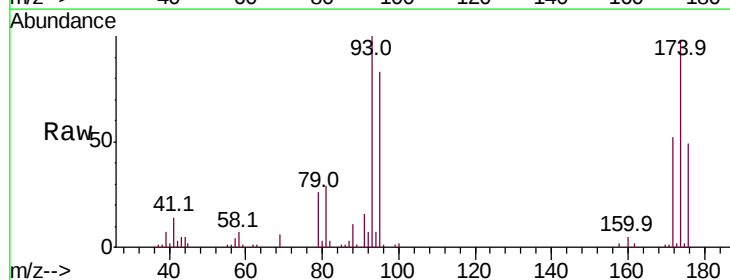
Instrument :
 MSVOA_D
 ClientSampleId :

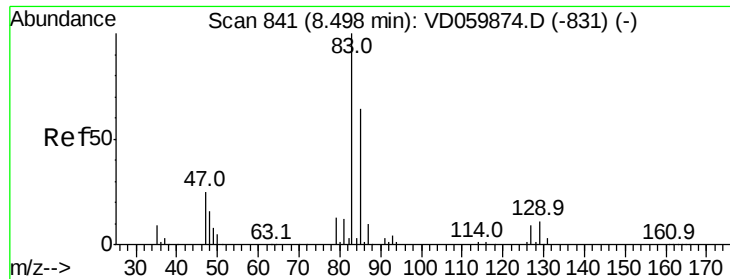
Tot Ion: 63 Resp: 234248
 Ion Ratio Lower Upper
 63 100
 65 30.1 23.5 35.3



#46
 Dibromomethane
 Concen: 20.094 ug/l
 RT: 8.21 min Scan# 811
 Delta R.T. -0.02 min
 Lab File: VD059903.D
 Acq: 24 Aug 2018 13:29

Tgt Ion: 93 Resp: 151527
 Ion Ratio Lower Upper
 93 100
 95 83.5 66.6 100.0
 174 98.2 82.4 123.6





#47

Bromodichloromethane

Concen: 20.331 ug/l

RT: 8.48 min Scan# 839

Delta R.T. -0.02 min

Lab File: VD059903.D

Acq: 24 Aug 2018 13:29

Instrument :

MSVOA_D

ClientSampleId :

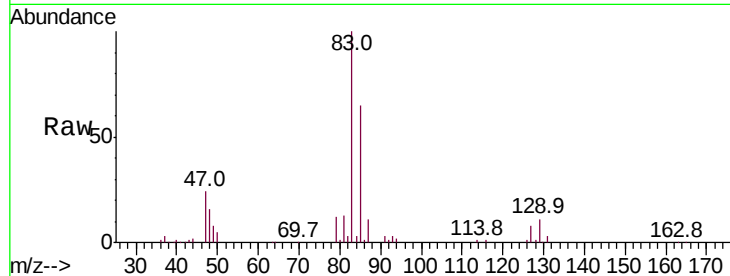
Tot Ion: 83 Resp: 347069

Ion Ratio Lower Upper

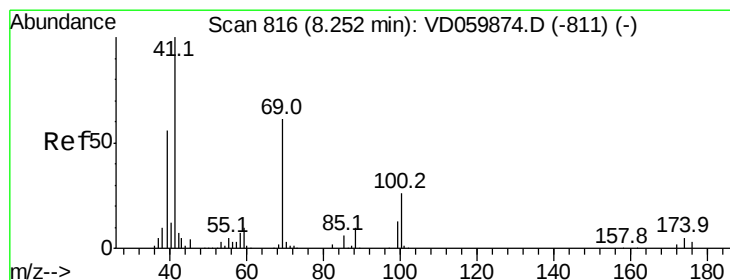
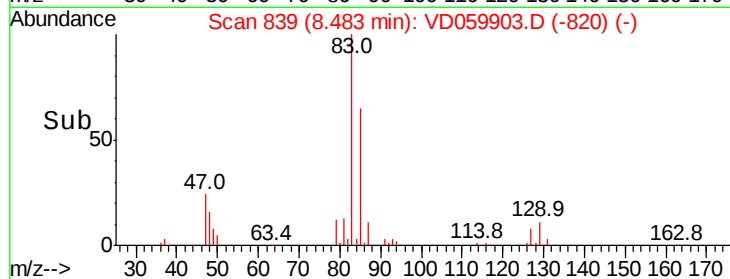
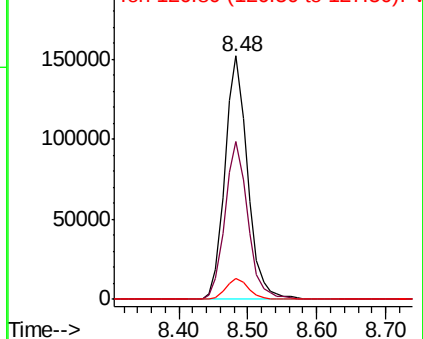
83 100

85 64.7 51.3 76.9

127 8.5 7.0 10.4



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: 20.705 ug/l

RT: 8.24 min Scan# 814

Delta R.T. -0.01 min

Lab File: VD059903.D

Acq: 24 Aug 2018 13:29

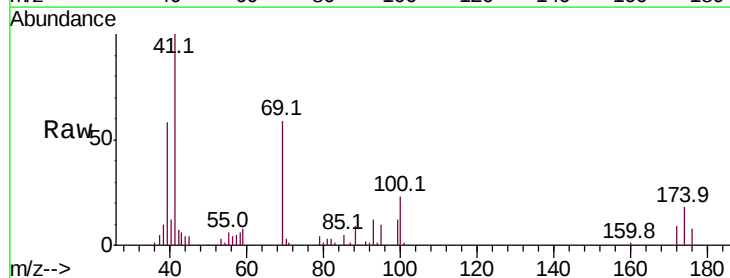
Tgt Ion: 41 Resp: 197166

Ion Ratio Lower Upper

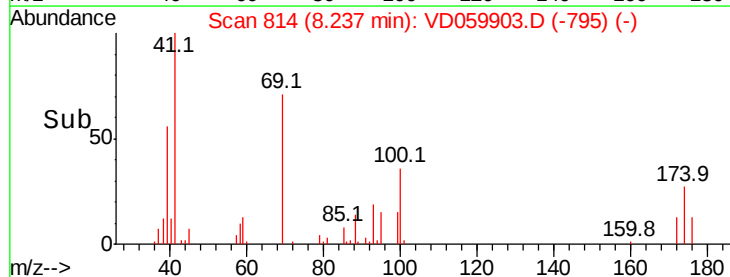
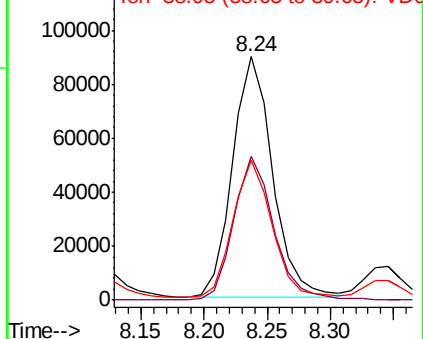
41 100

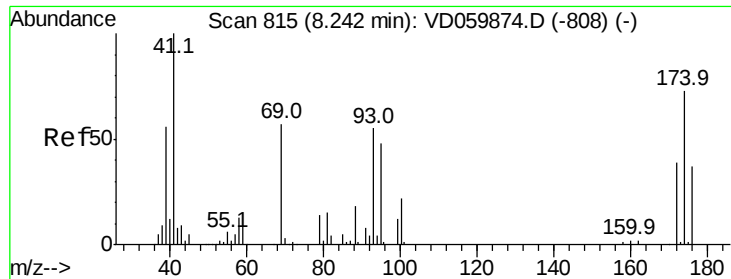
69 59.1 48.0 72.0

39 57.7 45.4 68.0



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: 417.064 ug/l

RT: 8.23 min Scan# 813

Delta R.T. -0.01 min

Lab File: VD059903.D

Acq: 24 Aug 2018 13:29

Instrument :

MSVOA_D

ClientSampleId :

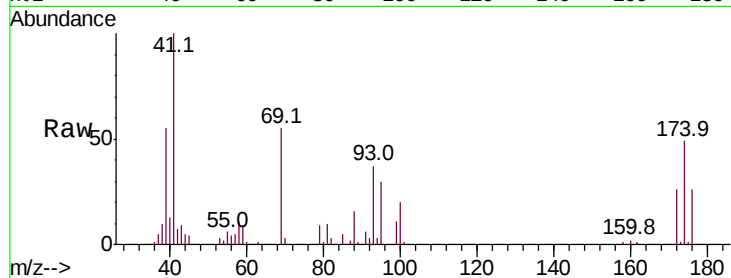
Tot Ion: 88 Resp: 35457

Ion Ratio Lower Upper

88 100

43 53.6 45.0 67.6

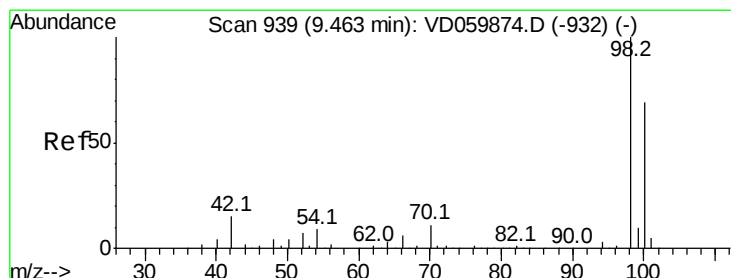
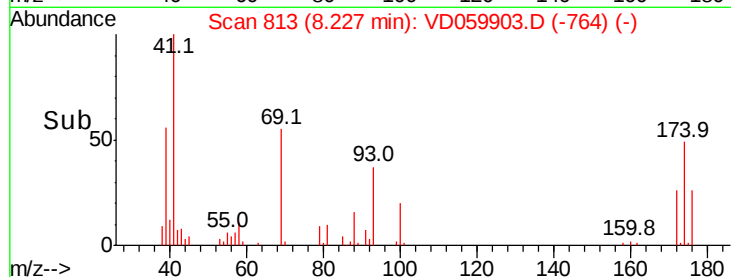
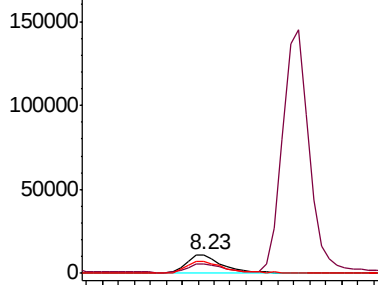
58 66.6 55.8 83.8



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: 417.064 ug/l

RT: 9.45 min Scan# 937

Delta R.T. -0.02 min

Lab File: VD059903.D

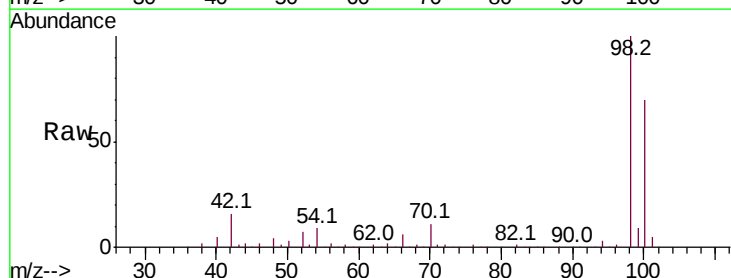
Acq: 24 Aug 2018 13:29

Tgt Ion: 98 Resp: 1839042

Ion Ratio Lower Upper

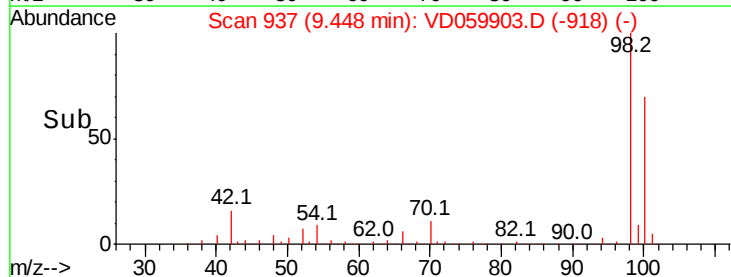
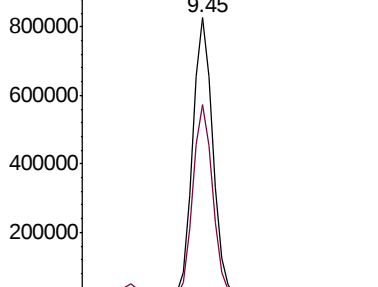
98 100

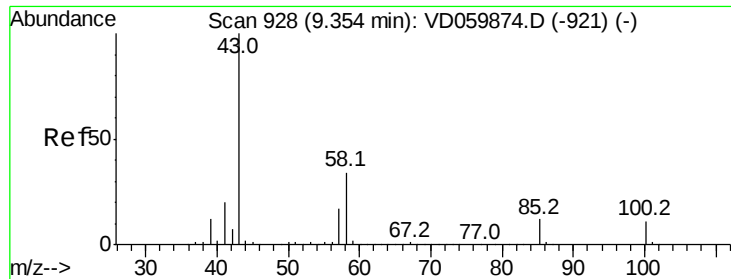
100 69.5 55.8 83.6



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: 92.842 ug/l

RT: 9.34 min Scan# 926

Delta R.T. -0.02 min

Lab File: VD059903.D

Acq: 24 Aug 2018 13:29

Instrument :

MSVOA_D

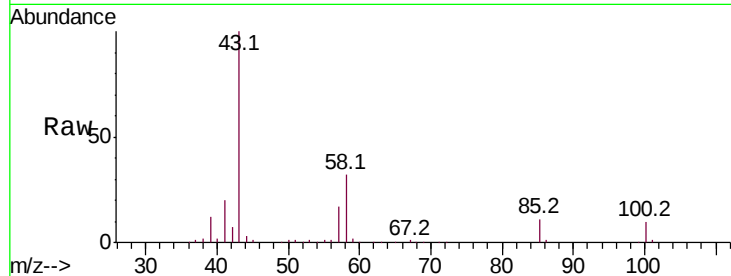
ClientSampleId :

Tot Ion: 43 Resp: 1130666

Ion Ratio Lower Upper

43 100

58 32.1 27.0 40.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

9.34

500000

400000

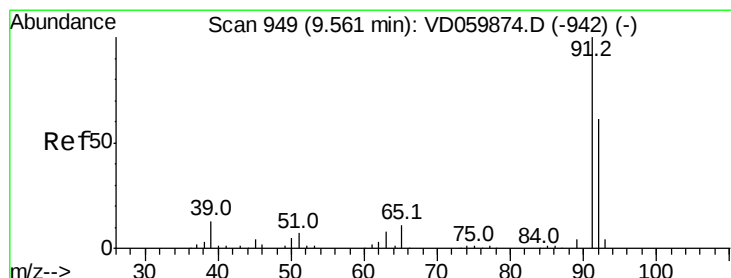
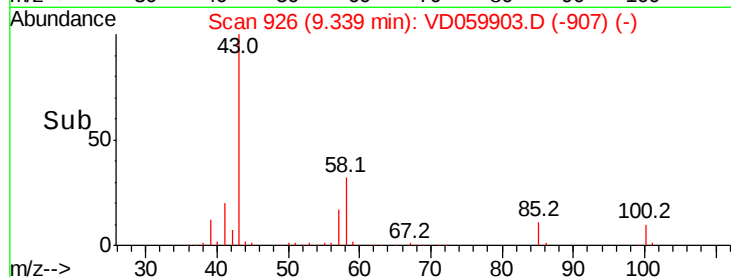
300000

200000

100000

0

Time--> 9.20 9.30 9.40



#52

Toluene

Concen: 19.809 ug/l

RT: 9.54 min Scan# 946

Delta R.T. -0.02 min

Lab File: VD059903.D

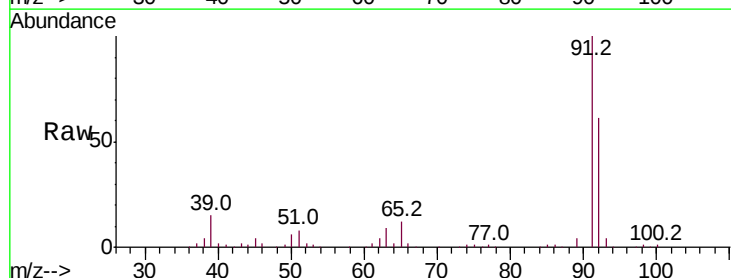
Acq: 24 Aug 2018 13:29

Tgt Ion: 92 Resp: 532939

Ion Ratio Lower Upper

92 100

91 165.0 131.4 197.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

9.54

400000

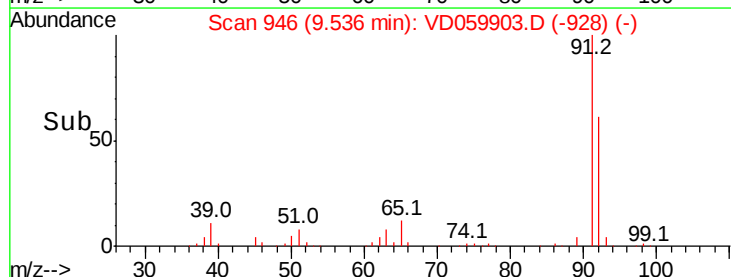
300000

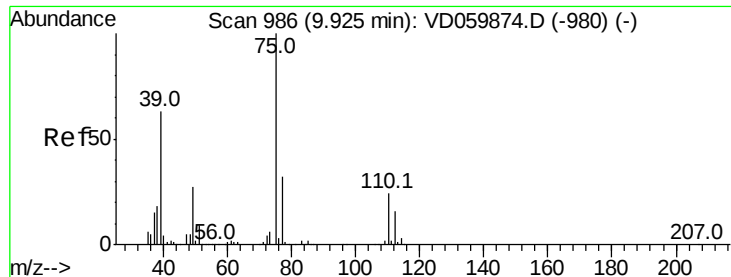
200000

100000

0

Time--> 9.40 9.50 9.60 9.70

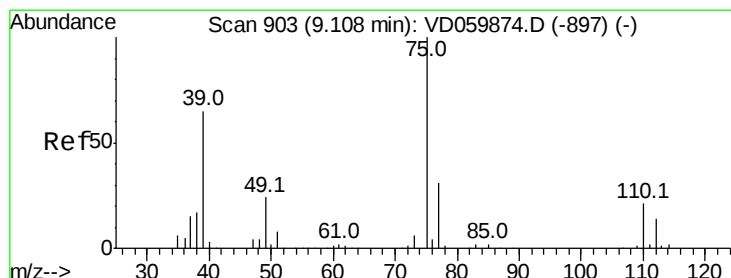
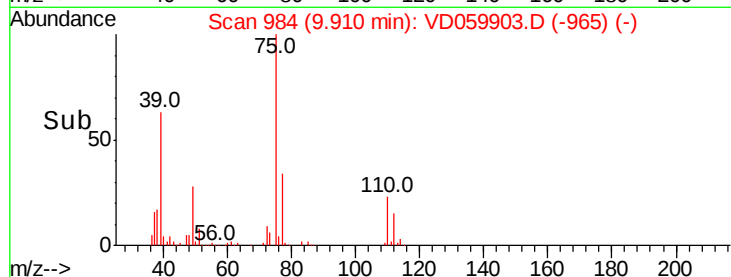
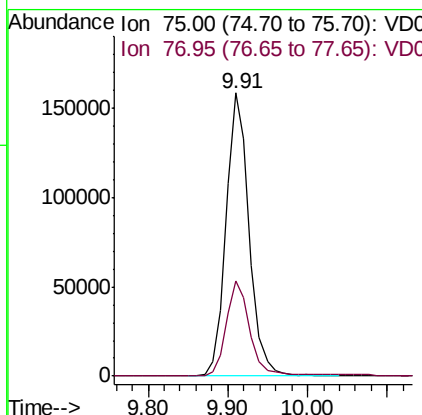
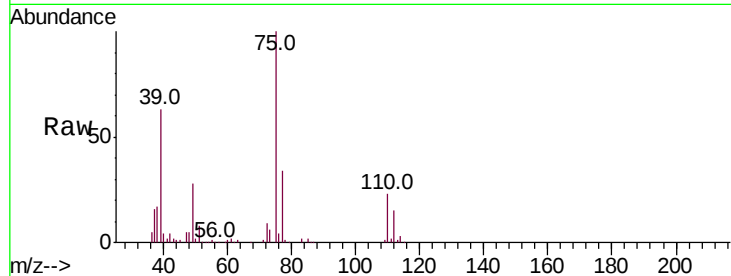




#53
 t-1,3-Dichloropropene
 Concen: 20.414 ug/l
 RT: 9.91 min Scan# 984
 Delta R.T. -0.01 min
 Lab File: VD059903.D
 Acq: 24 Aug 2018 13:29

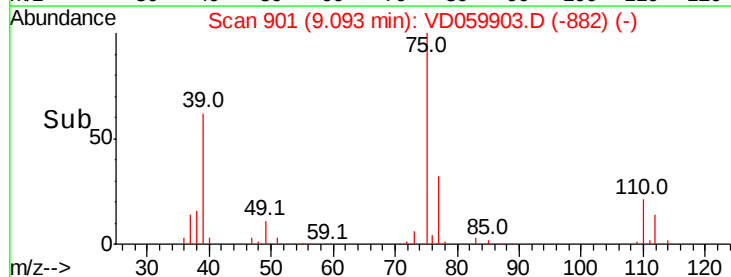
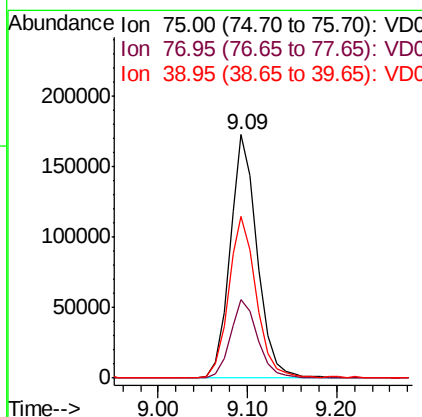
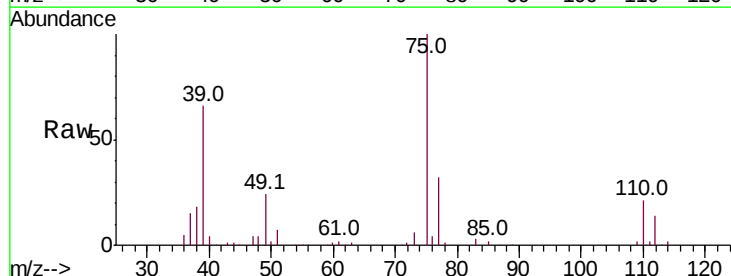
Instrument :
 MSVOA_D
 ClientSampled :

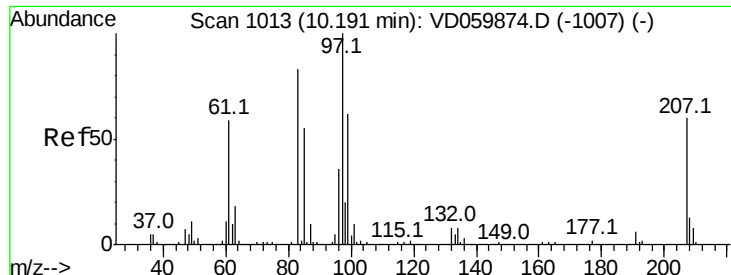
Tot Ion: 75 Resp: 322330
 Ion Ratio Lower Upper
 75 100
 77 33.6 25.4 38.2



#54
 cis-1,3-Dichloropropene
 Concen: 20.167 ug/l
 RT: 9.09 min Scan# 901
 Delta R.T. -0.01 min
 Lab File: VD059903.D
 Acq: 24 Aug 2018 13:29

Tgt Ion: 75 Resp: 369204
 Ion Ratio Lower Upper
 75 100
 77 32.3 24.8 37.2
 39 66.2 52.1 78.1

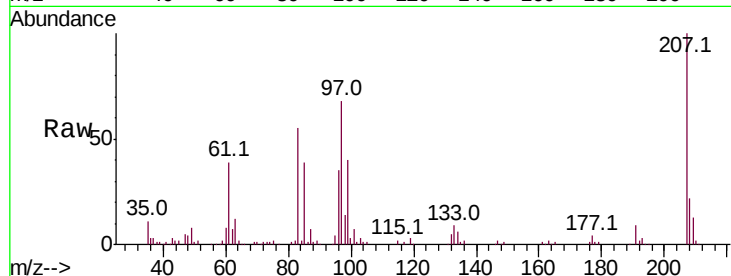




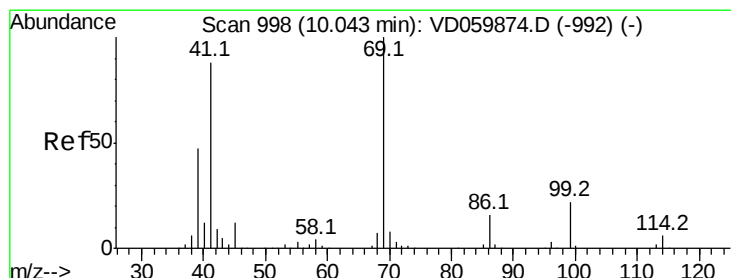
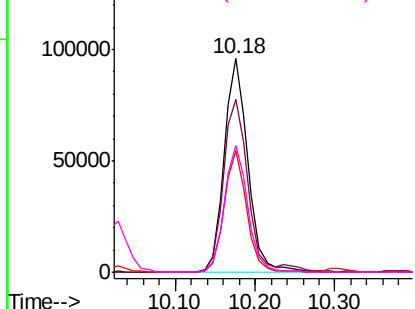
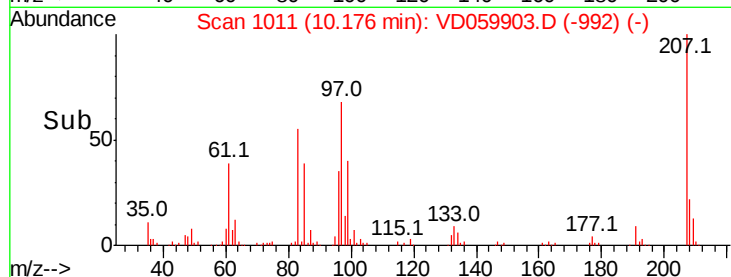
#55
 1,1,2-Trichloroethane
 Concen: 20.447 ug/l
 RT: 10.18 min Scan# 1011
 Delta R.T. -0.01 min
 Lab File: VD059903.D
 Acq: 24 Aug 2018 13:29

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 97 Resp: 201086
 Ion Ratio Lower Upper
 97 100
 83 80.8 66.7 100.1
 85 57.1 43.8 65.6
 99 59.2 49.8 74.6

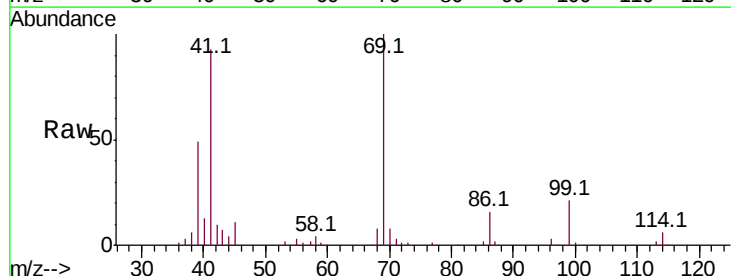


Abundance Ion 96.85 (96.55 to 97.55): VDC
 150000 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

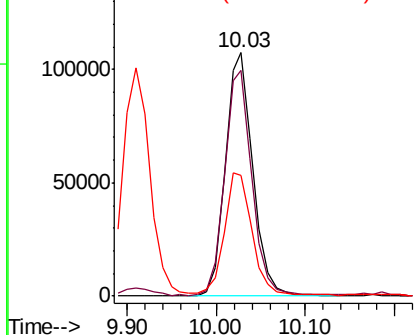
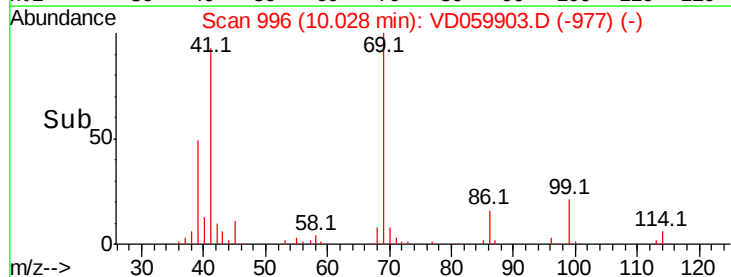


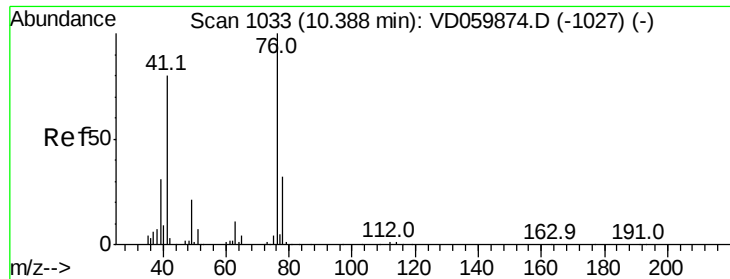
#56
 Ethyl methacrylate
 Concen: 20.388 ug/l
 RT: 10.03 min Scan# 996
 Delta R.T. -0.01 min
 Lab File: VD059903.D
 Acq: 24 Aug 2018 13:29

Tgt Ion: 69 Resp: 231397
 Ion Ratio Lower Upper
 69 100
 41 92.8 71.0 106.4
 39 49.4 38.5 57.7



Abundance Ion 69.00 (68.70 to 69.70): VDC
 150000 Ion 41.05 (40.75 to 41.75): VDC
 Ion 38.95 (38.65 to 39.65): VDC

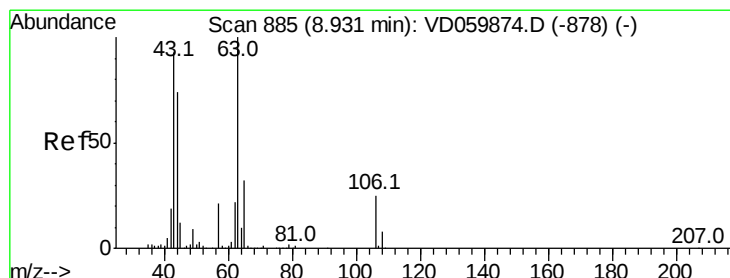
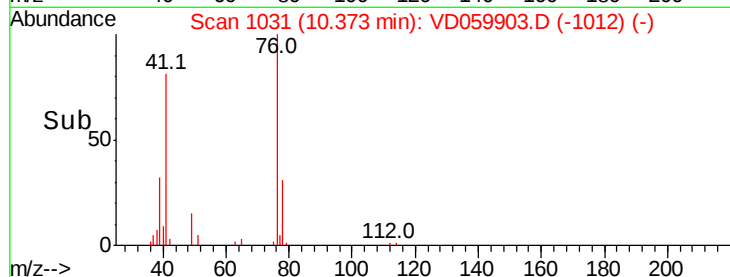
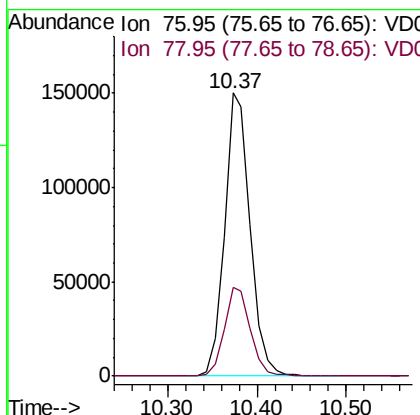
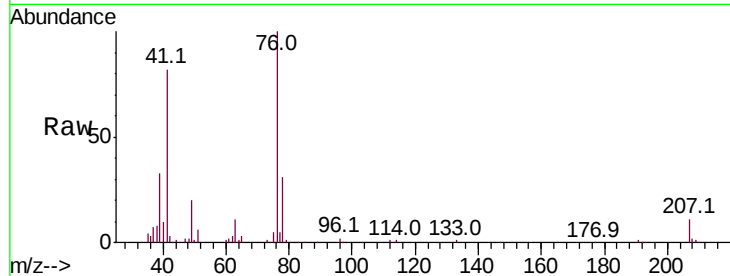




#57
 1,3-Dichloropropane
 Concen: 21.193 ug/l
 RT: 10.37 min Scan# 1031
 Delta R.T. -0.02 min
 Lab File: VD059903.D
 Acq: 24 Aug 2018 13:29

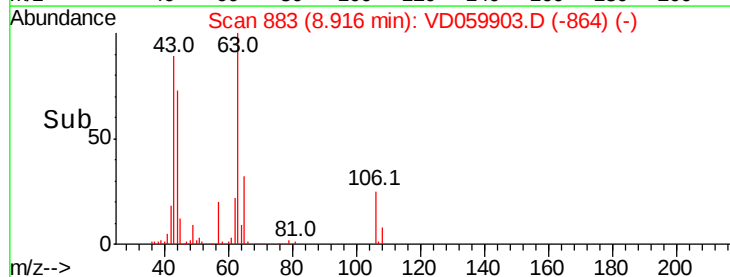
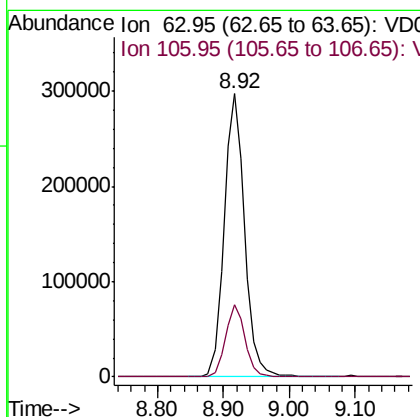
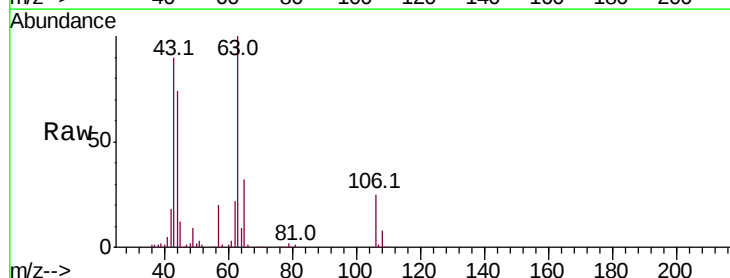
Instrument :
 MSVOA_D
 ClientSampleId :

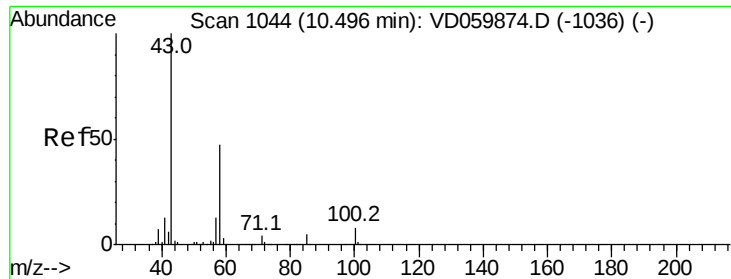
Tot Ion: 76 Resp: 301667
 Ion Ratio Lower Upper
 76 100
 78 31.3 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 118.214 ug/l
 RT: 8.92 min Scan# 883
 Delta R.T. -0.01 min
 Lab File: VD059903.D
 Acq: 24 Aug 2018 13:29

Tgt Ion: 63 Resp: 643644
 Ion Ratio Lower Upper
 63 100
 106 25.3 20.1 30.1

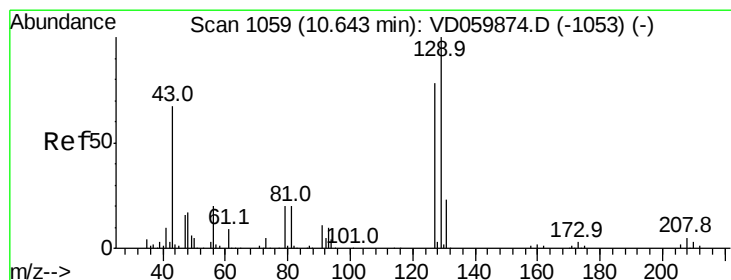
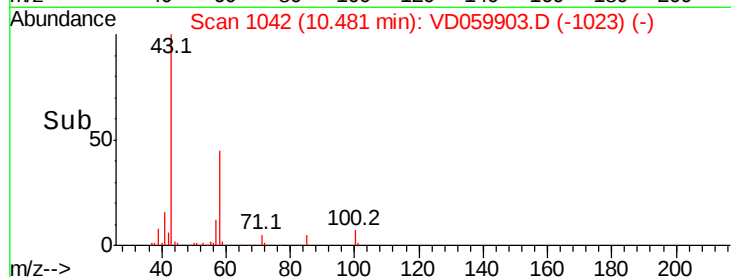
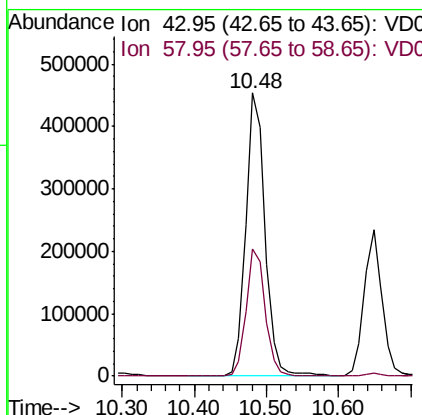
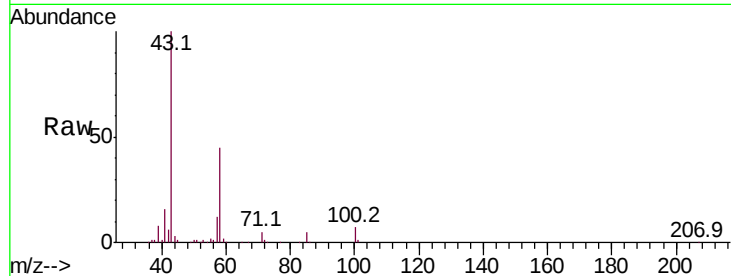




#59
2-Hexanone
Concen: 94.362 ug/l
RT: 10.48 min Scan# 1042
Delta R.T. -0.01 min
Lab File: VD059903.D
Acq: 24 Aug 2018 13:29

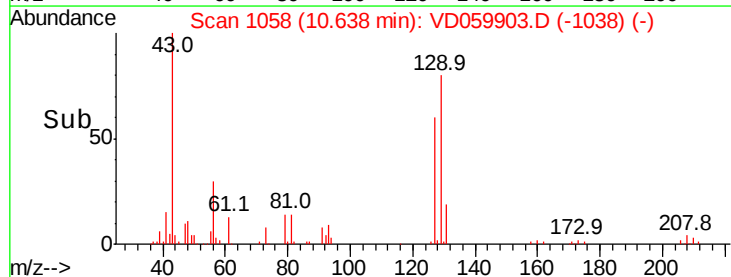
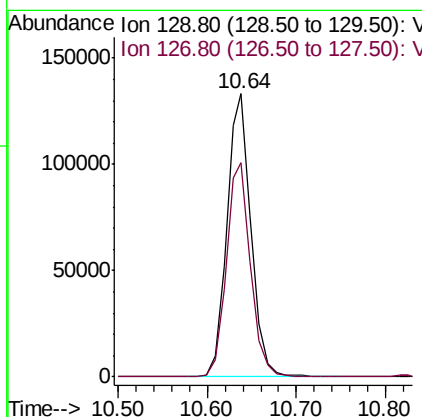
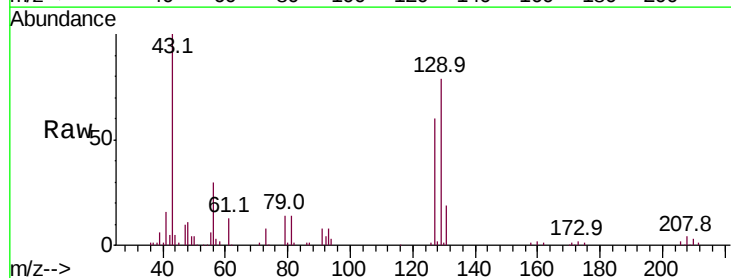
Instrument :
MSVOA_D
ClientSampled :

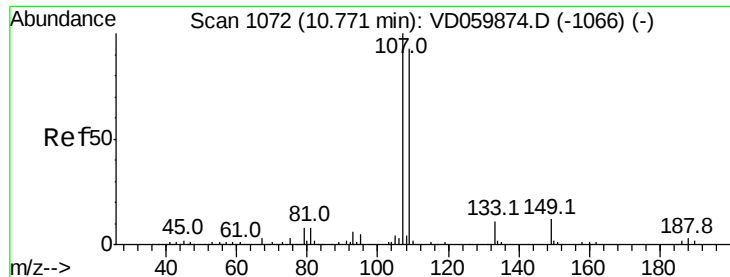
Tot Ion: 43 Resp: 847621
Ion Ratio Lower Upper
43 100
58 44.9 23.3 69.8



#60
Dibromochloromethane
Concen: 20.410 ug/l
RT: 10.64 min Scan# 1058
Delta R.T. -0.01 min
Lab File: VD059903.D
Acq: 24 Aug 2018 13:29

Tgt Ion: 129 Resp: 252289
Ion Ratio Lower Upper
129 100
127 75.8 39.1 117.2

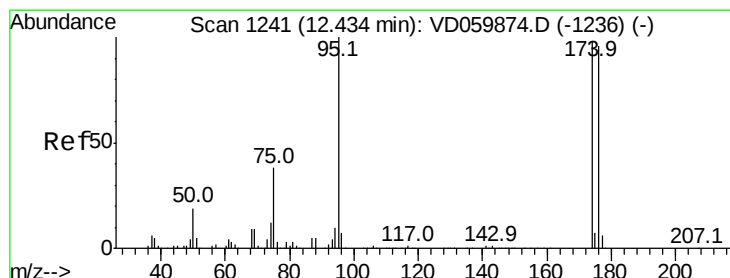
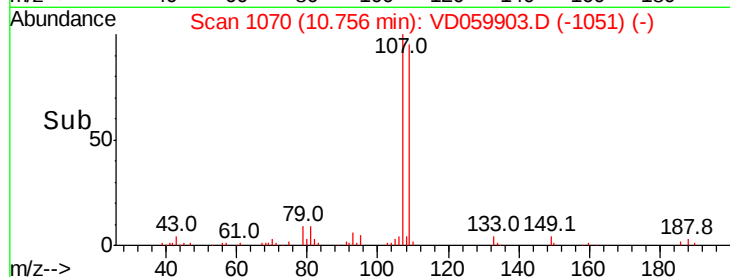
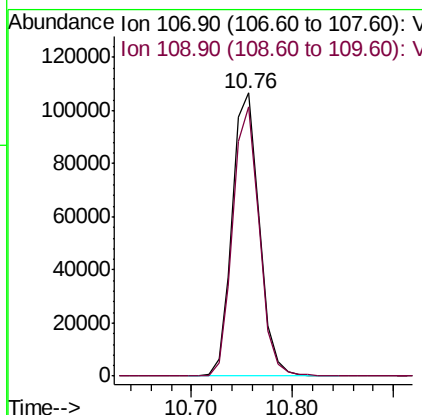
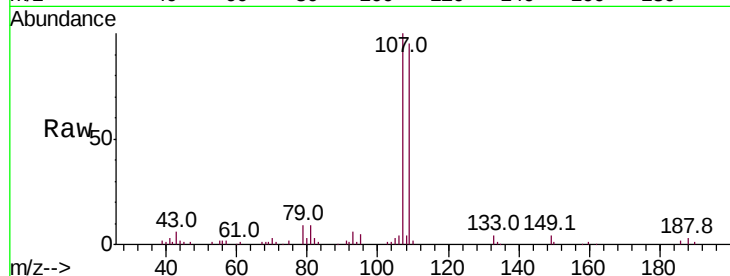




#61
 1,2-Dibromoethane
 Concen: 19.990 ug/l
 RT: 10.76 min Scan# 1070
 Delta R.T. -0.01 min
 Lab File: VD059903.D
 Acq: 24 Aug 2018 13:29

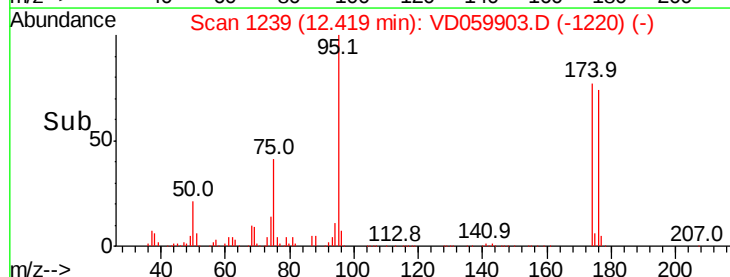
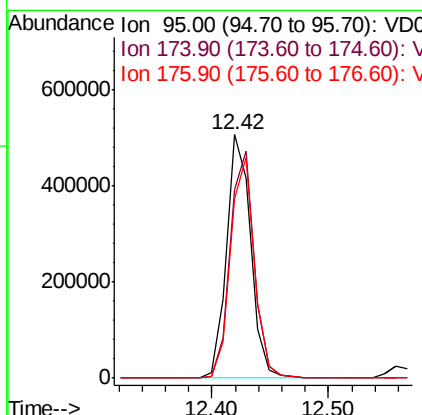
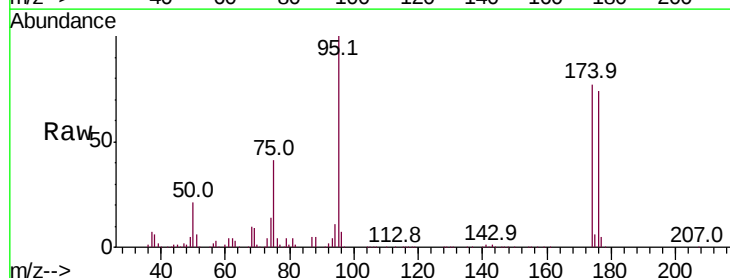
Instrument :
 MSVOA_D
 ClientSampleId :

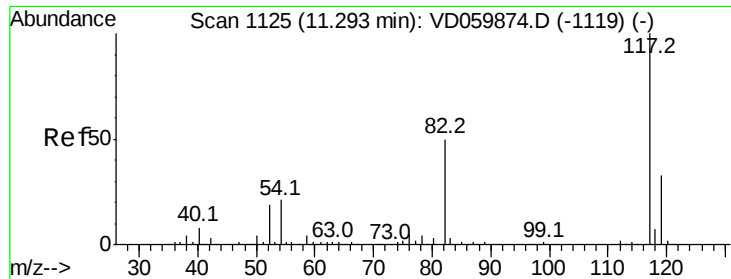
Tot Ion:107 Resp: 198778
 Ion Ratio Lower Upper
 107 100
 109 95.1 74.6 112.0



#62
 4-Bromofluorobenzene
 Concen: 19.990 ug/l
 RT: 12.42 min Scan# 1239
 Delta R.T. -0.01 min
 Lab File: VD059903.D
 Acq: 24 Aug 2018 13:29

Tgt Ion: 95 Resp: 725372
 Ion Ratio Lower Upper
 95 100
 174 77.4 0.0 195.6
 176 73.8 0.0 191.2

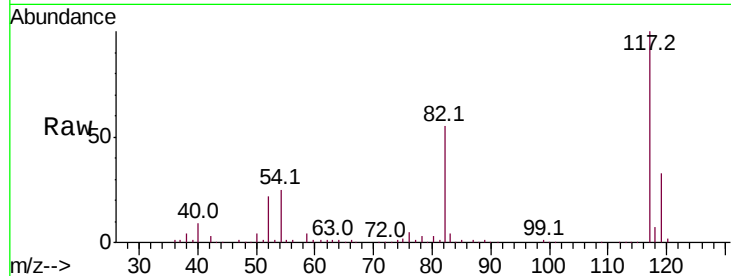




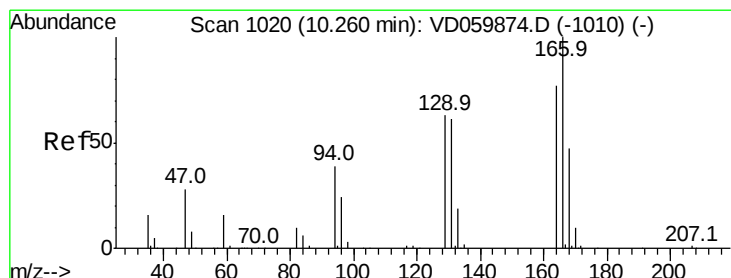
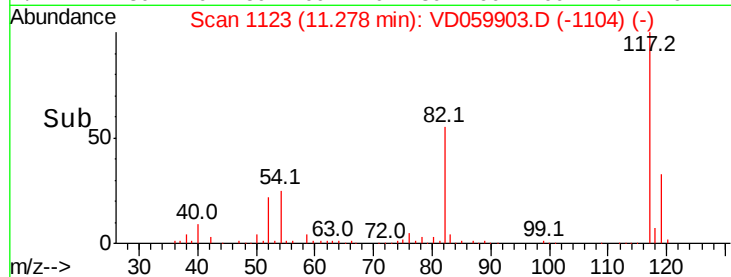
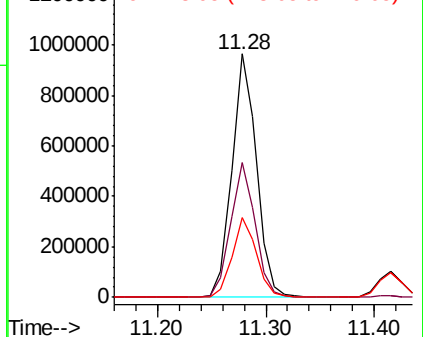
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 1123
Delta R.T. -0.01 min
Lab File: VD059903.D
Acq: 24 Aug 2018 13:29

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 1519520
Ion Ratio Lower Upper
117 100
82 55.4 40.1 60.1
119 32.8 26.7 40.1

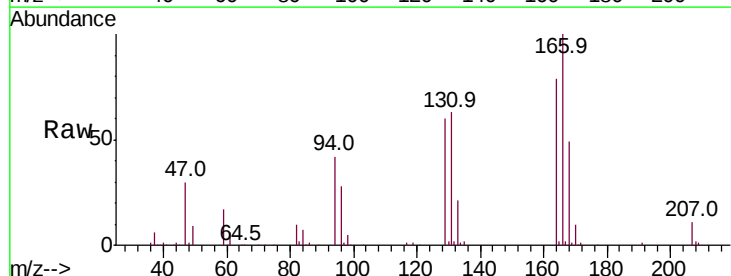


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

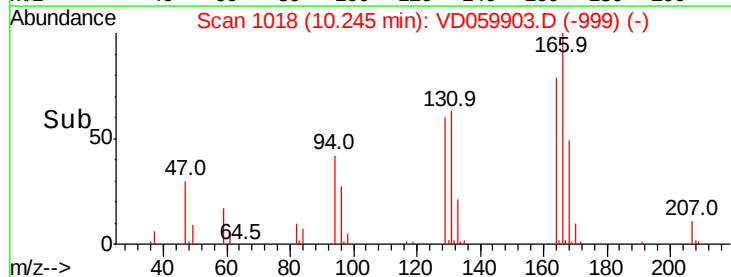
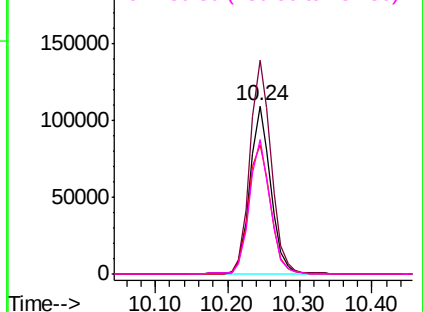


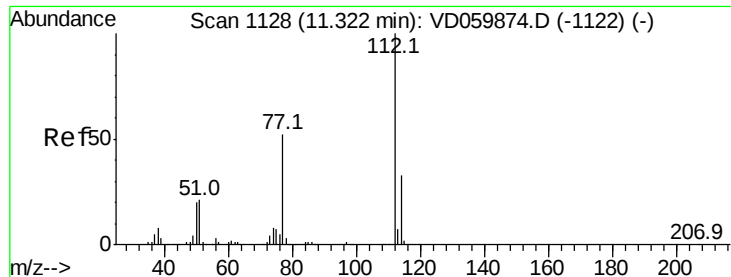
#64
Tetrachloroethene
Concen: 18.940 ug/l
RT: 10.24 min Scan# 1018
Delta R.T. -0.01 min
Lab File: VD059903.D
Acq: 24 Aug 2018 13:29

Tgt Ion:164 Resp: 222531
Ion Ratio Lower Upper
164 100
166 127.2 103.4 155.2
129 76.9 65.2 97.8
131 79.8 63.1 94.7



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

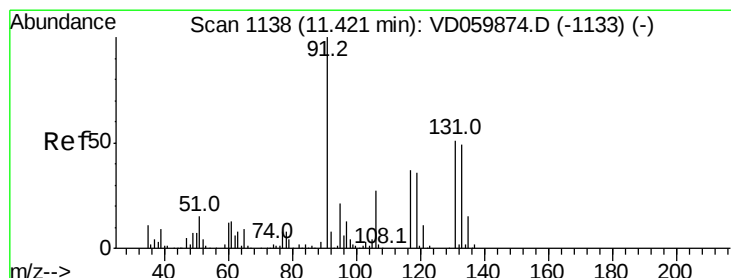
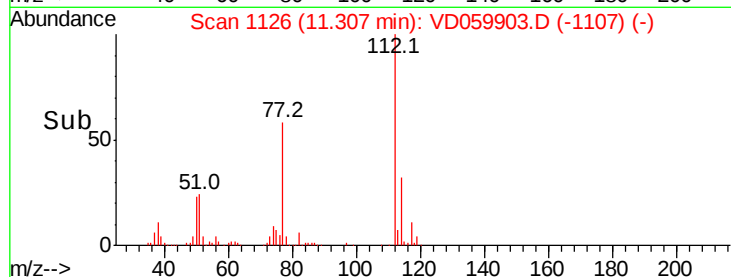
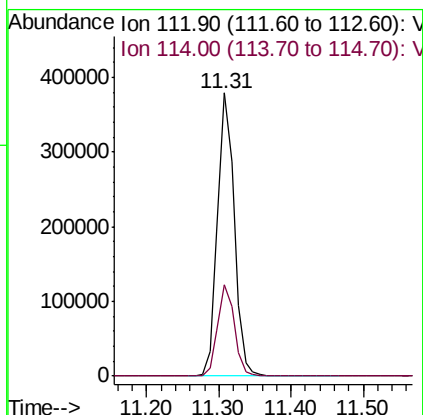
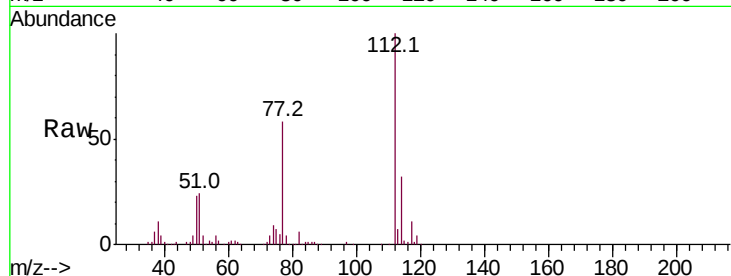




#65
Chlorobenzene
Concen: 20.005 ug/l
RT: 11.31 min Scan# 1126
Delta R.T. -0.02 min
Lab File: VD059903.D
Acq: 24 Aug 2018 13:29

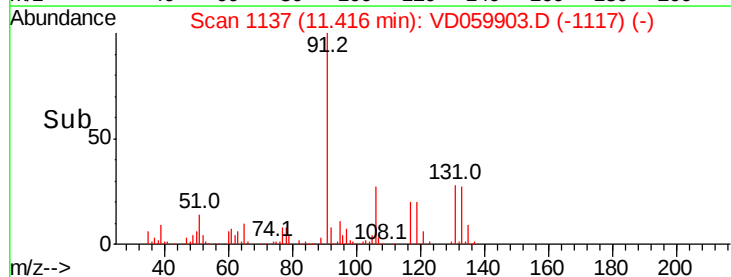
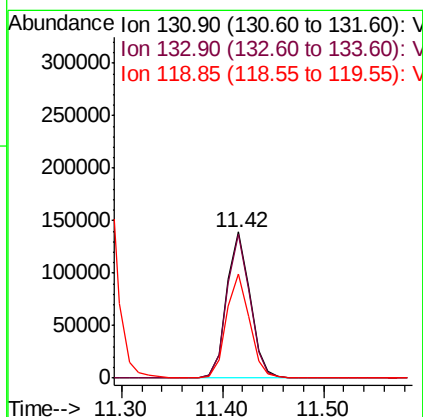
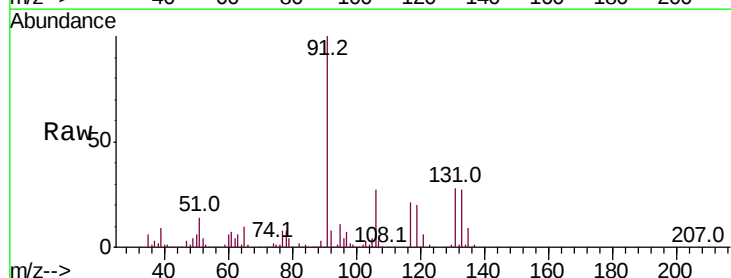
Instrument :
MSVOA_D
ClientSampleId :

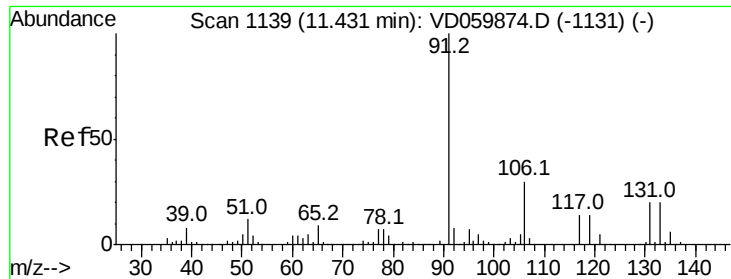
Tot Ion:112 Resp: 604055
Ion Ratio Lower Upper
112 100
114 32.4 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 20.390 ug/l
RT: 11.42 min Scan# 1137
Delta R.T. -0.01 min
Lab File: VD059903.D
Acq: 24 Aug 2018 13:29

Tgt Ion:131 Resp: 224939
Ion Ratio Lower Upper
131 100
133 98.2 48.3 144.8
119 71.2 35.4 106.3

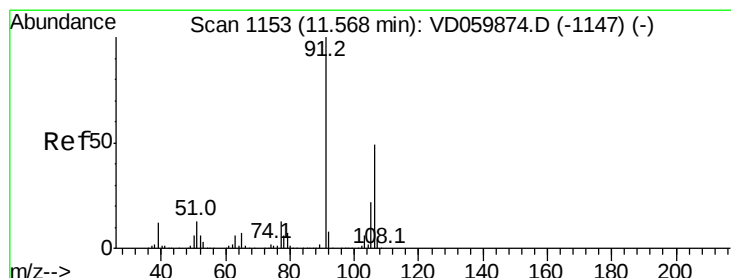
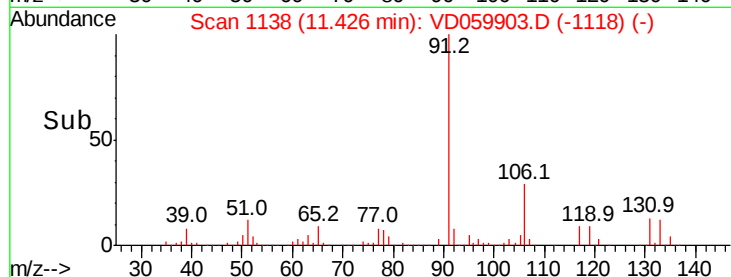
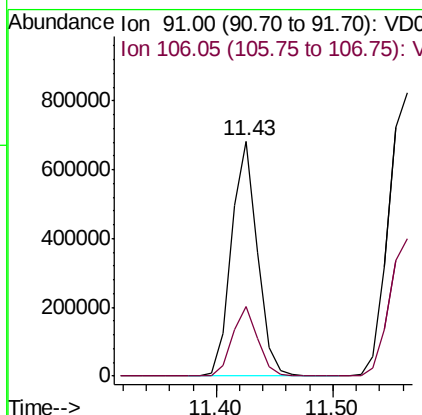
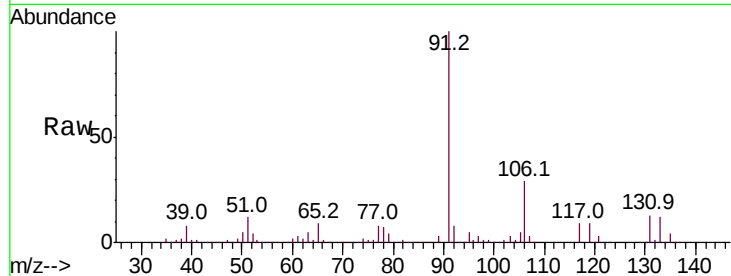




#67
Ethyl Benzene
Concen: 20.751 ug/l
RT: 11.43 min Scan# 1138
Delta R.T. -0.01 min
Lab File: VD059903.D
Acq: 24 Aug 2018 13:29

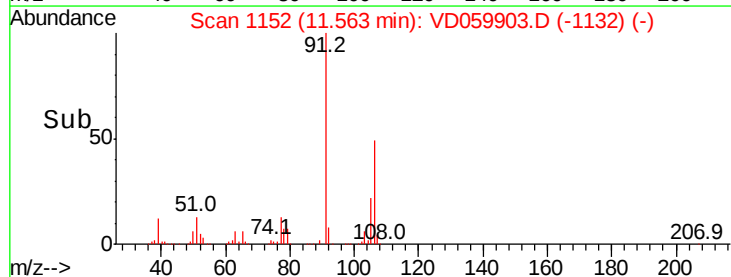
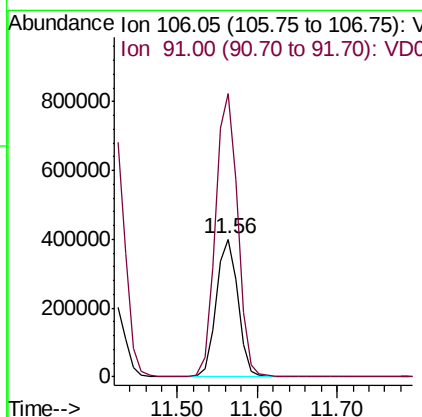
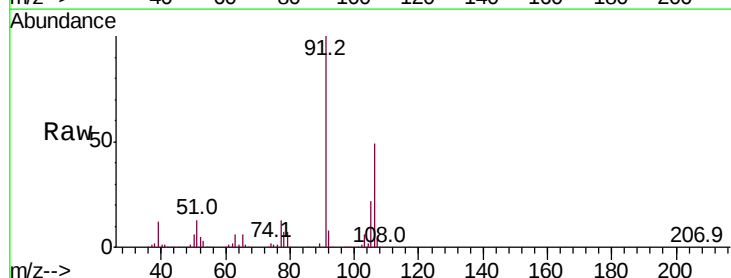
Instrument :
MSVOA_D
ClientSampled :

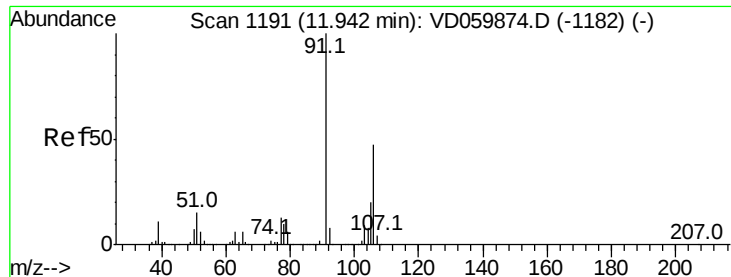
Tot Ion: 91 Resp: 1054152
Ion Ratio Lower Upper
91 100
106 29.4 23.8 35.8



#68
m/p-Xylenes
Concen: 41.758 ug/l
RT: 11.56 min Scan# 1152
Delta R.T. -0.01 min
Lab File: VD059903.D
Acq: 24 Aug 2018 13:29

Tgt Ion: 106 Resp: 772339
Ion Ratio Lower Upper
106 100
91 205.1 162.0 243.0

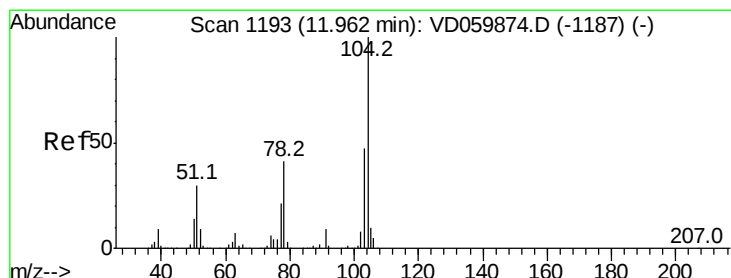
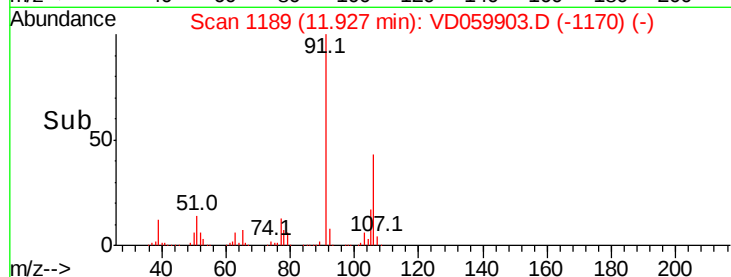
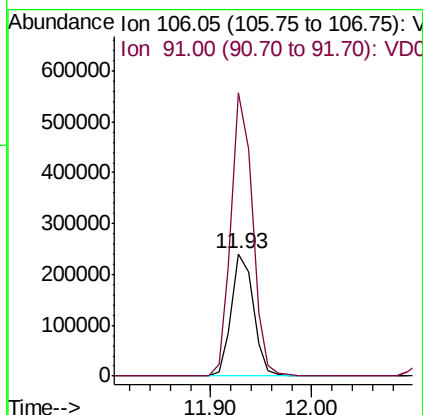
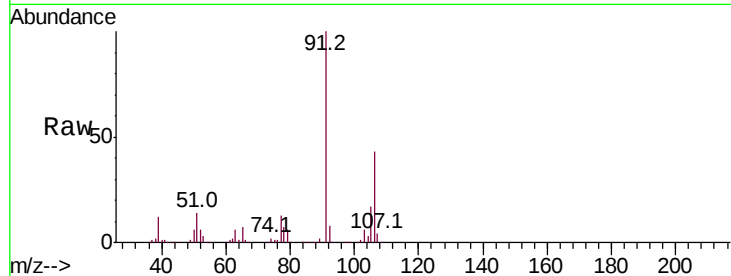




#69
o-Xylene
Concen: 20.348 ug/l
RT: 11.93 min Scan# 1189
Delta R.T. -0.02 min
Lab File: VD059903.D
Acq: 24 Aug 2018 13:29

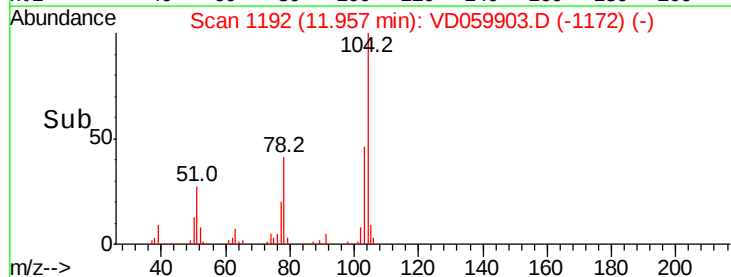
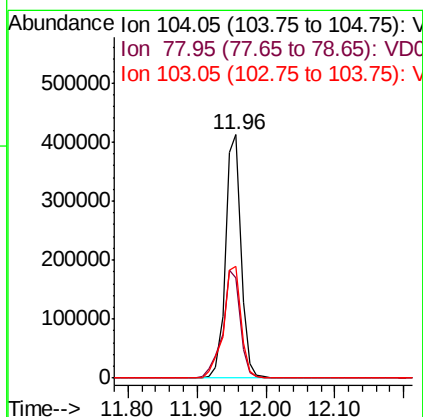
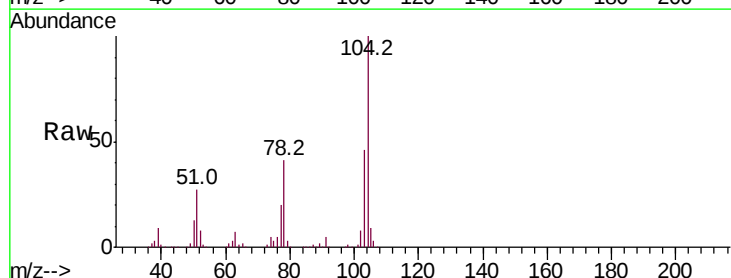
Instrument :
MSVOA_D
ClientSampled :

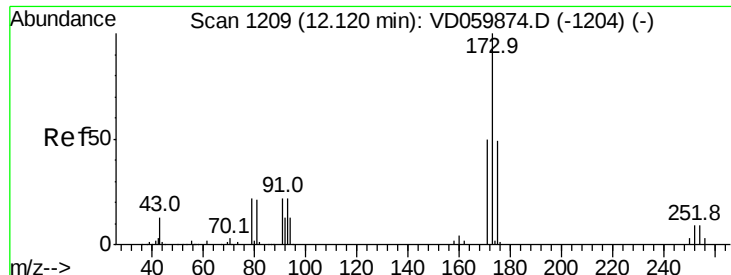
Tot Ion:106 Resp: 368099
Ion Ratio Lower Upper
106 100
91 231.2 107.3 322.0



#70
Styrene
Concen: 20.571 ug/l
RT: 11.96 min Scan# 1192
Delta R.T. -0.01 min
Lab File: VD059903.D
Acq: 24 Aug 2018 13:29

Tgt Ion:104 Resp: 644346
Ion Ratio Lower Upper
104 100
78 41.4 32.6 49.0
103 45.9 37.7 56.5





#71

Bromoform

Concen: 18.980 ug/l

RT: 12.11 min Scan# 1208

Delta R.T. -0.01 min

Lab File: VD059903.D

Acq: 24 Aug 2018 13:29

Instrument :

MSVOA_D

ClientSampleId :

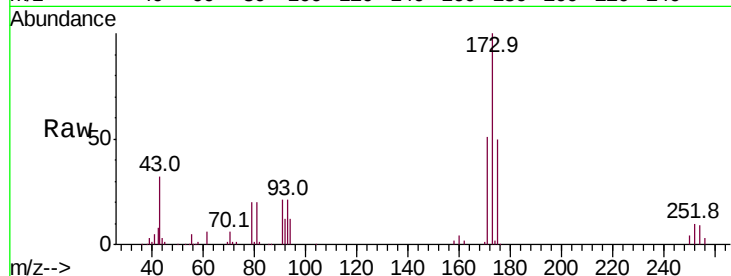
Tot Ion:173 Resp: 181164

Ion Ratio Lower Upper

173 100

175 49.9 24.3 73.0

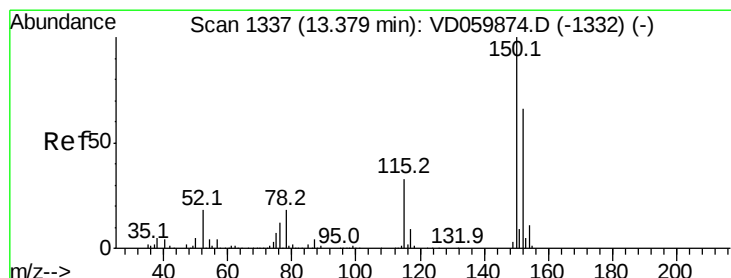
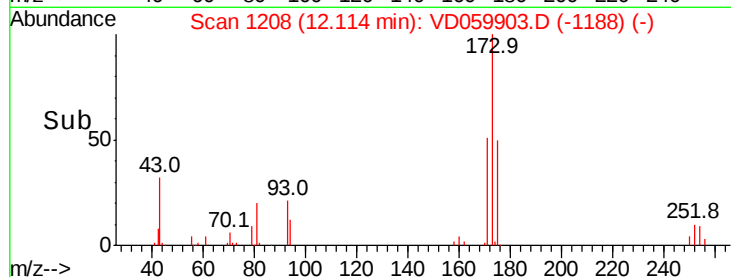
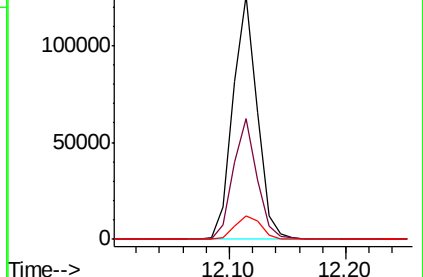
254 9.5 7.0 10.6



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: 13.37 min Scan# 1336

Delta R.T. -0.01 min

Lab File: VD059903.D

Acq: 24 Aug 2018 13:29

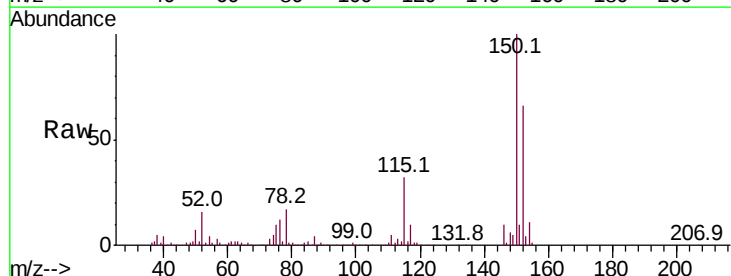
Tgt Ion:152 Resp: 790460

Ion Ratio Lower Upper

152 100

115 48.0 25.7 77.0

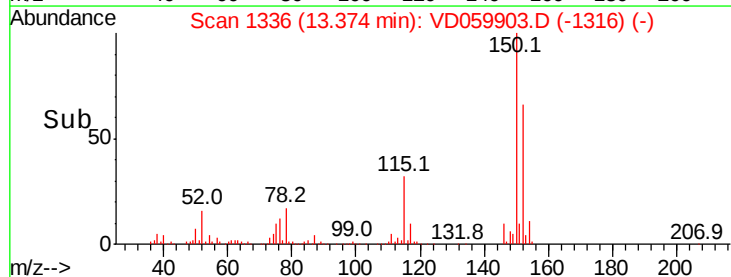
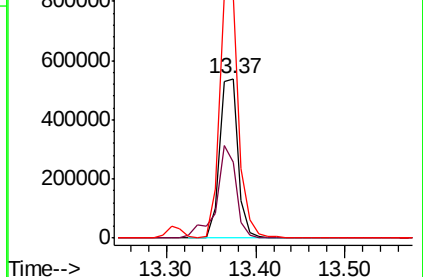
150 152.0 0.0 310.2

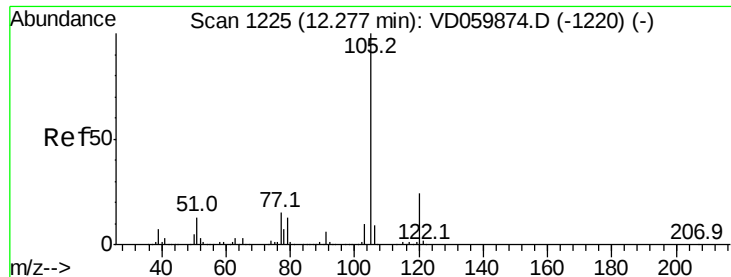


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V

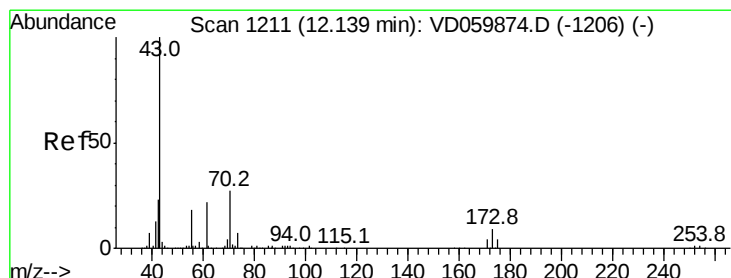
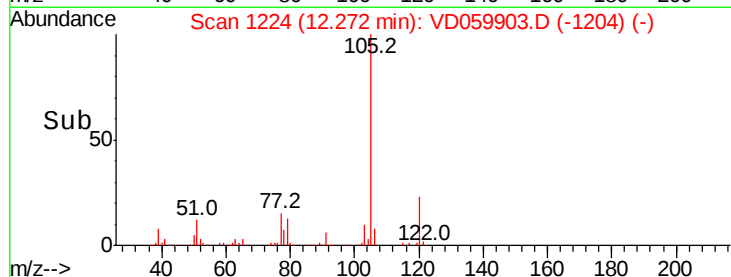
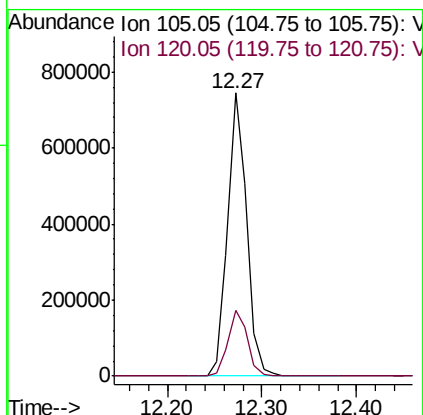
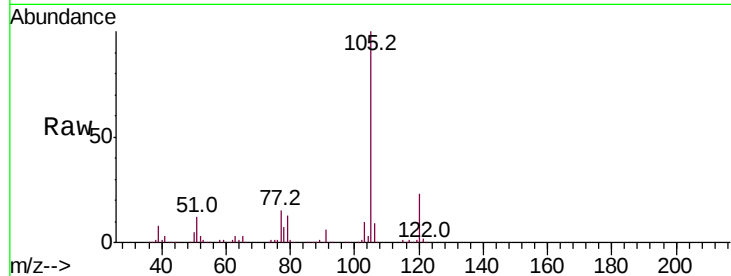




#73
Isopropylbenzene
Concen: 20.550 ug/l
RT: 12.27 min Scan# 1224
Delta R.T. -0.01 min
Lab File: VD059903.D
Acq: 24 Aug 2018 13:29

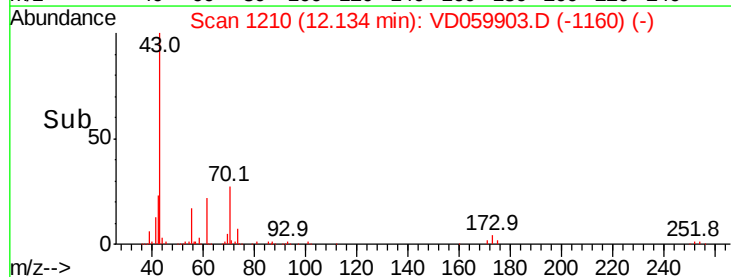
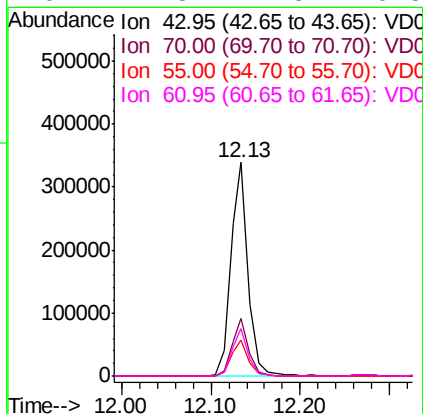
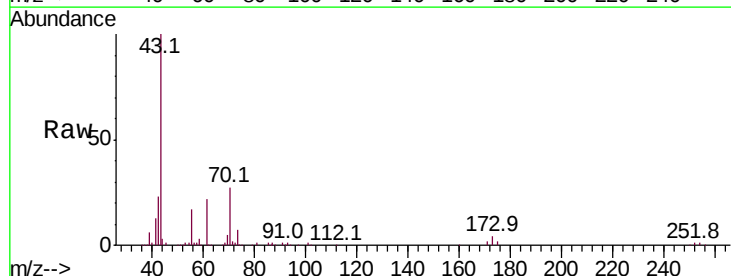
Instrument :
MSVOA_D
ClientSampleId :

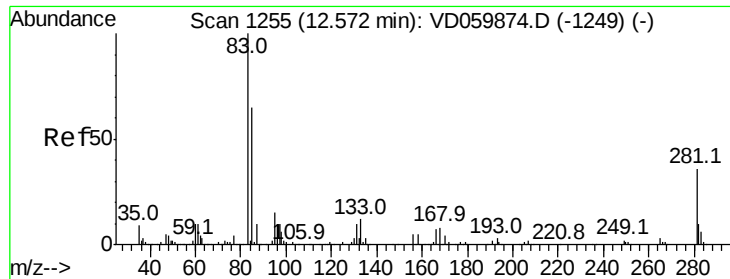
Tot Ion:105 Resp: 1036947
Ion Ratio Lower Upper
105 100
120 23.2 11.8 35.4



#74
N-ethyl acetate
Concen: 20.557 ug/l
RT: 12.13 min Scan# 1210
Delta R.T. -0.01 min
Lab File: VD059903.D
Acq: 24 Aug 2018 13:29

Tgt Ion: 43 Resp: 454171
Ion Ratio Lower Upper
43 100
70 27.1 21.4 32.2
55 16.9 14.1 21.1
61 22.3 17.8 26.8





#75

1,1,2,2-Tetrachloroethane

Concen: 20.939 ug/l

RT: 12.56 min Scan# 1253

Delta R.T. -0.01 min

Lab File: VD059903.D

Acq: 24 Aug 2018 13:29

Instrument :

MSVOA_D

ClientSampleId :

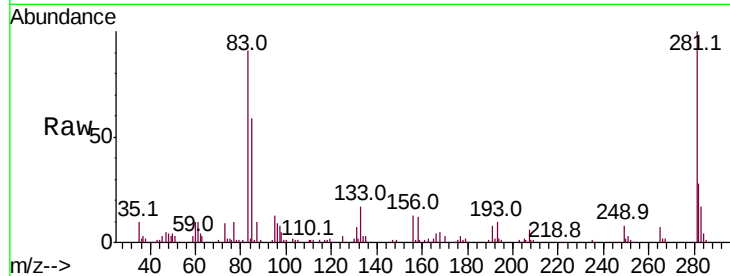
Tot Ion: 83 Resp: 244391

Ion Ratio Lower Upper

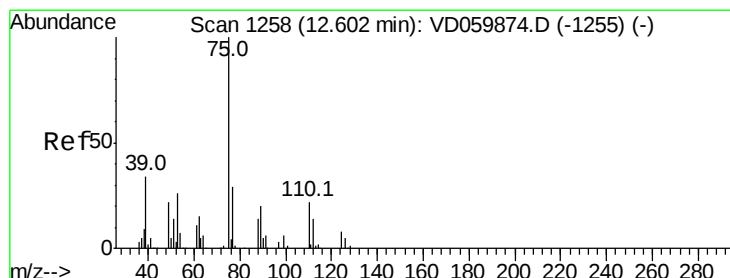
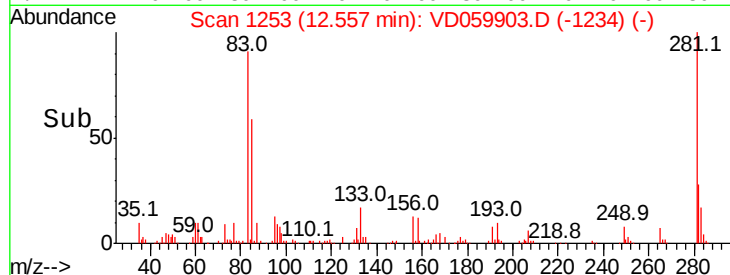
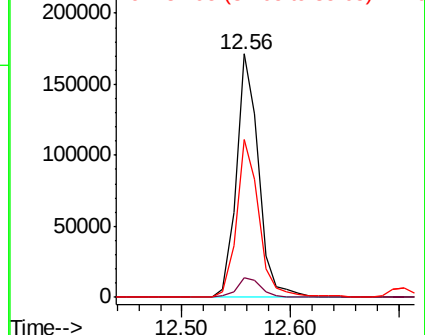
83 100

131 8.0 4.8 14.4

85 65.0 32.6 97.8



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: 20.306 ug/l

RT: 12.60 min Scan# 1257

Delta R.T. -0.01 min

Lab File: VD059903.D

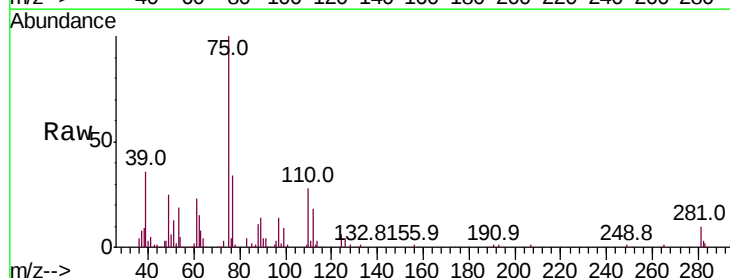
Acq: 24 Aug 2018 13:29

Tgt Ion: 75 Resp: 249471

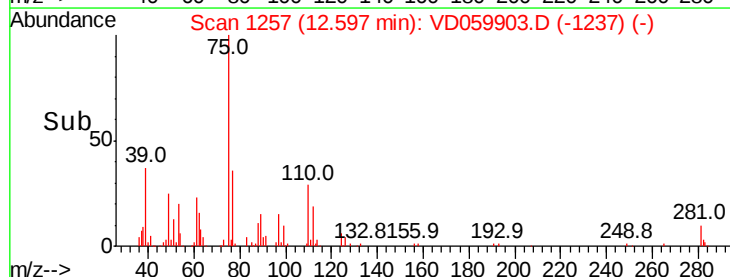
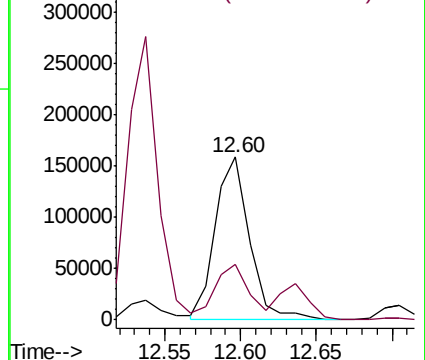
Ion Ratio Lower Upper

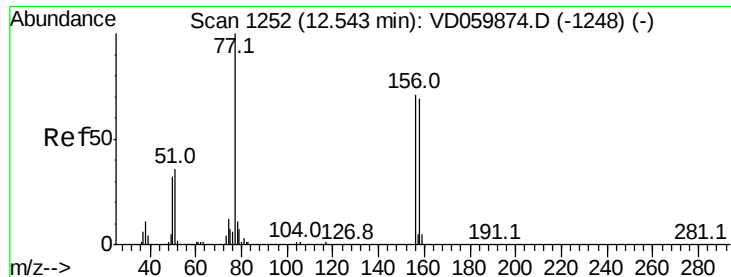
75 100

77 34.2 16.4 49.2



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





#77

Bromobenzene

Concen: 20.565 ug/l

RT: 12.54 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VD059903.D

Acq: 24 Aug 2018 13:29

Instrument :

MSVOA_D

ClientSampleId :

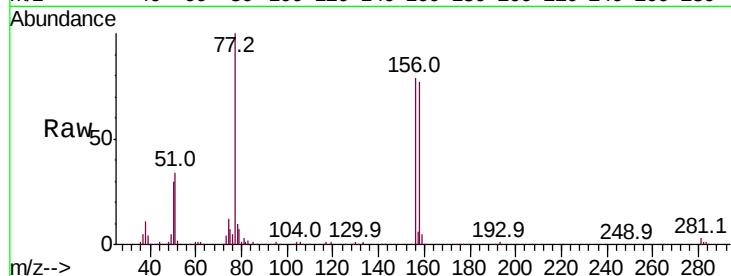
Tot Ion:156 Resp: 287704

Ion Ratio Lower Upper

156 100

77 126.1 70.2 210.4

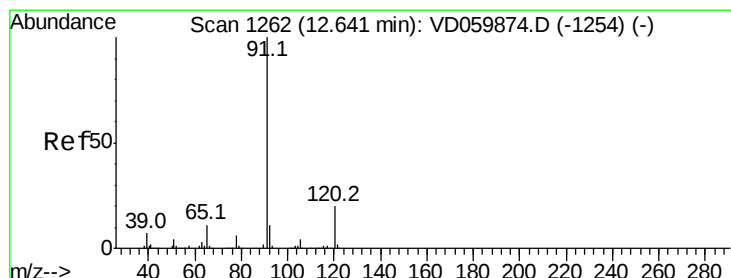
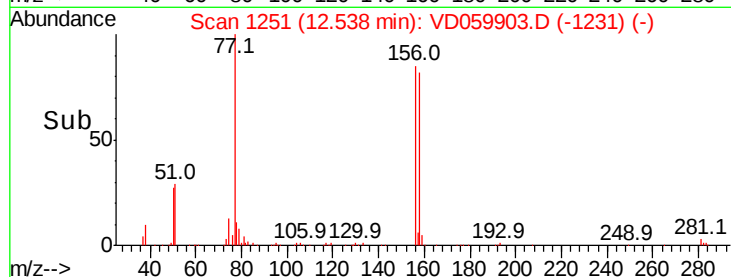
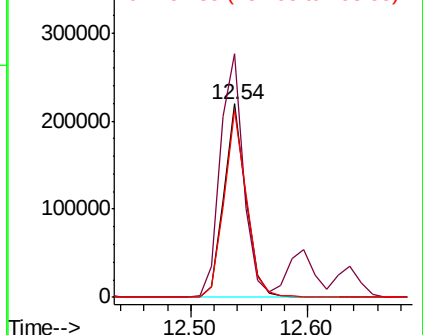
158 97.3 48.4 145.2



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: 20.459 ug/l

RT: 12.64 min Scan# 1261

Delta R.T. -0.01 min

Lab File: VD059903.D

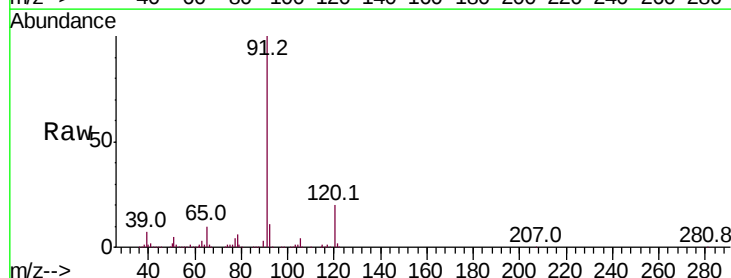
Acq: 24 Aug 2018 13:29

Tgt Ion: 91 Resp: 1307217

Ion Ratio Lower Upper

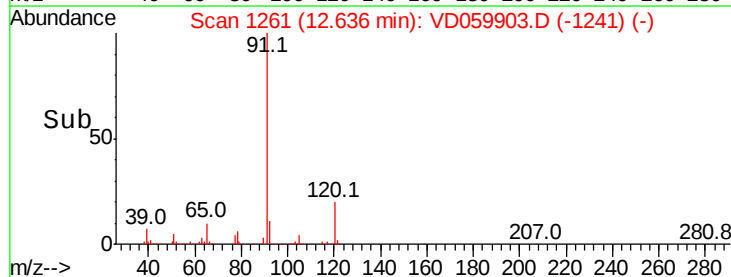
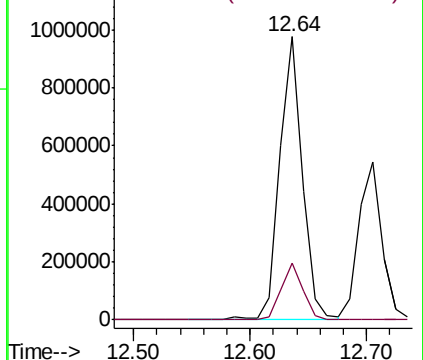
91 100

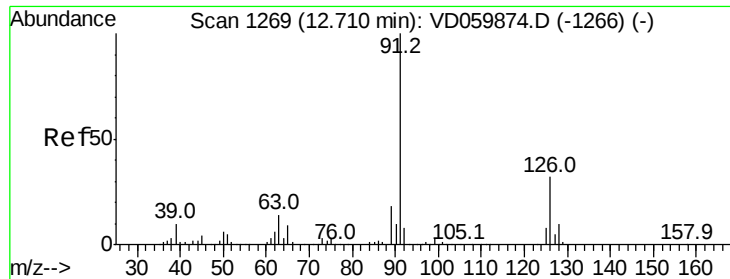
120 20.2 10.1 30.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

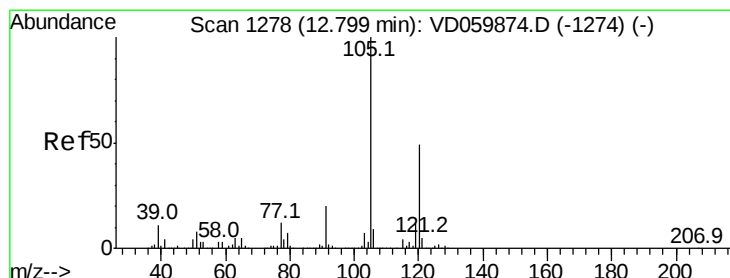
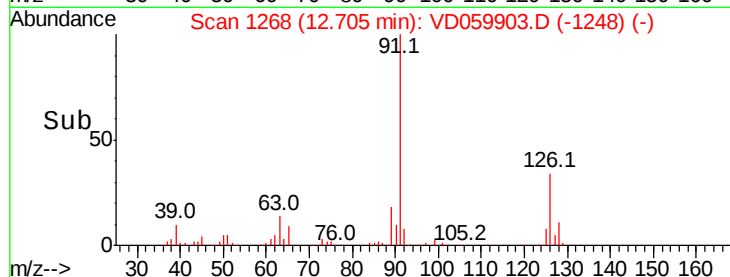
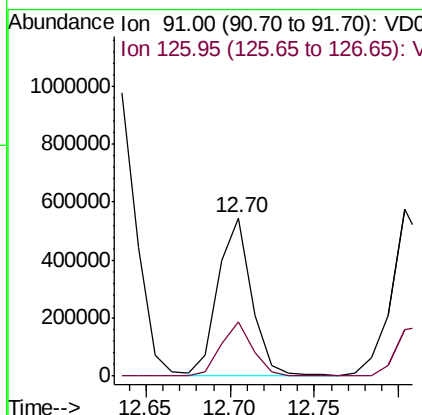
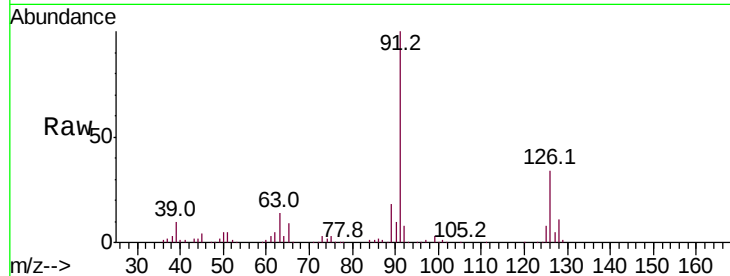




#79
2-Chlorotoluene
Concen: 20.731 ug/l
RT: 12.70 min Scan# 1268
Delta R.T. -0.01 min
Lab File: VD059903.D
Acq: 24 Aug 2018 13:29

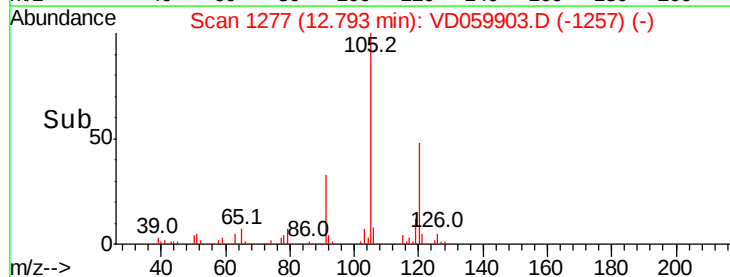
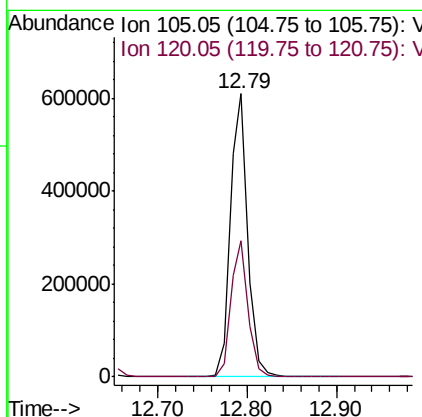
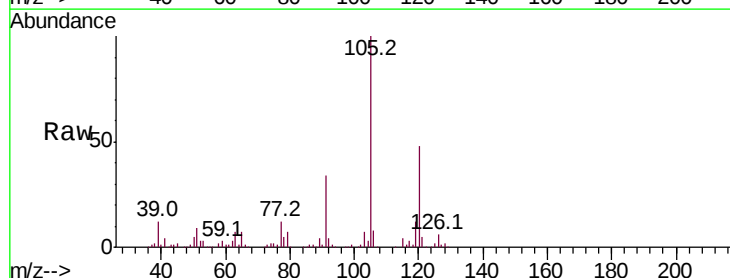
Instrument :
MSVOA_D
ClientSampled :

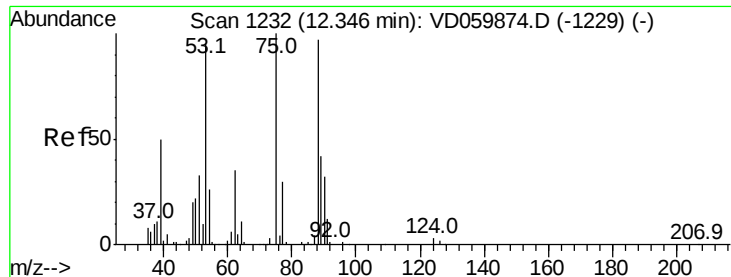
Tot Ion: 91 Resp: 749082
Ion Ratio Lower Upper
91 100
126 34.1 16.1 48.2



#80
1,3,5-Trimethylbenzene
Concen: 20.908 ug/l
RT: 12.79 min Scan# 1277
Delta R.T. -0.01 min
Lab File: VD059903.D
Acq: 24 Aug 2018 13:29

Tgt Ion:105 Resp: 838770
Ion Ratio Lower Upper
105 100
120 48.0 24.5 73.5





#81

trans-1,4-Dichloro-2-butene

Concen: 18.562 ug/l

RT: 12.34 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VD059903.D

Acq: 24 Aug 2018 13:29

Instrument :

MSVOA_D

ClientSampled :

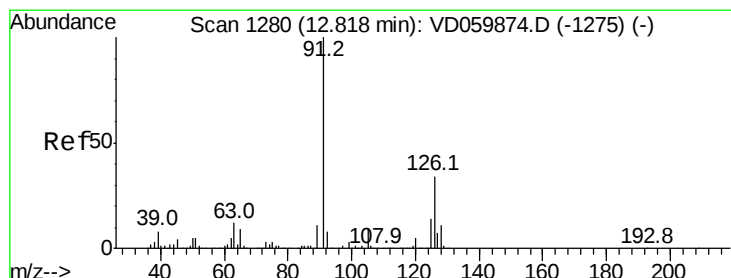
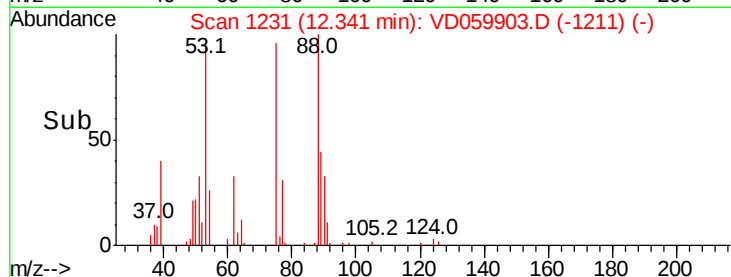
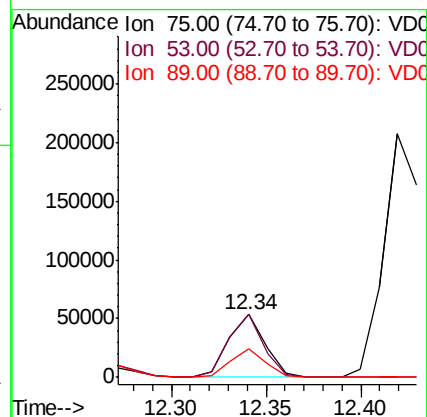
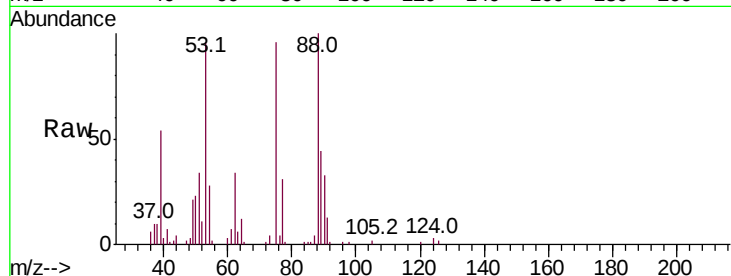
Tot Ion: 75 Resp: 70935

Ion Ratio Lower Upper

75 100

53 100.2 75.8 113.6

89 45.7 33.6 50.4



#82

4-Chlorotoluene

Concen: 20.946 ug/l

RT: 12.80 min Scan# 1278

Delta R.T. -0.01 min

Lab File: VD059903.D

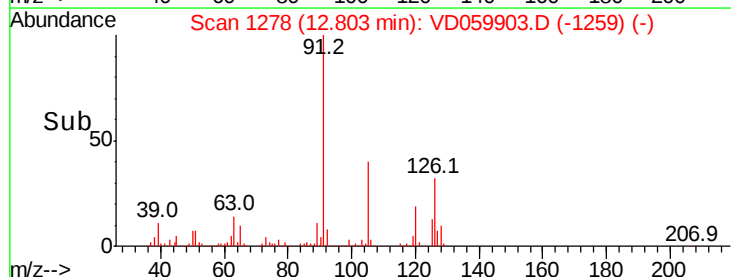
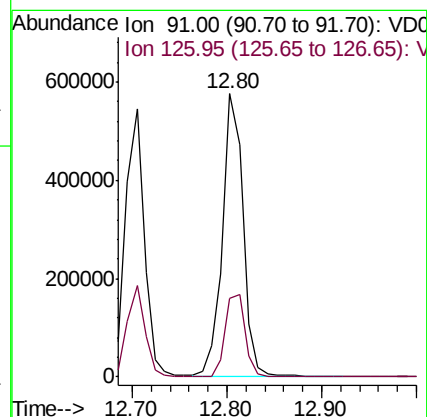
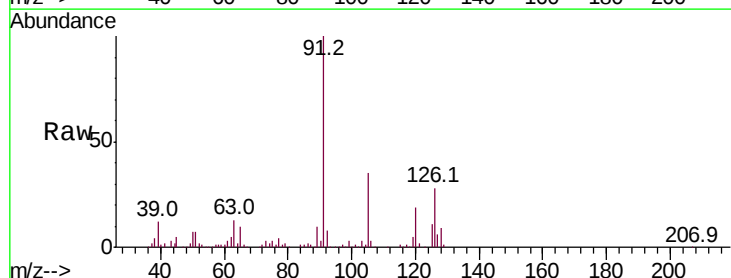
Acq: 24 Aug 2018 13:29

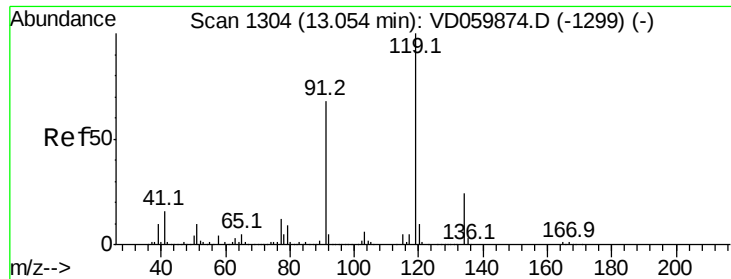
Tgt Ion: 91 Resp: 863277

Ion Ratio Lower Upper

91 100

126 27.9 17.1 51.2

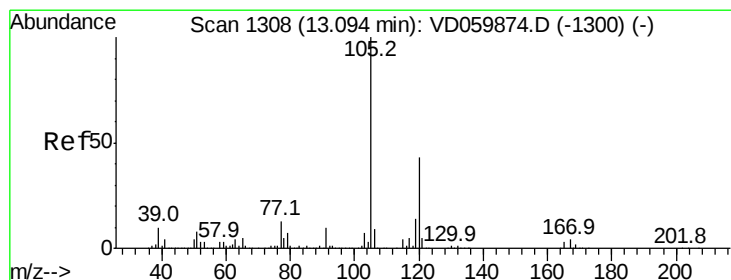
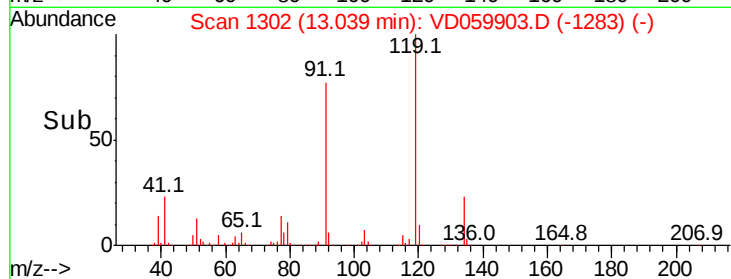
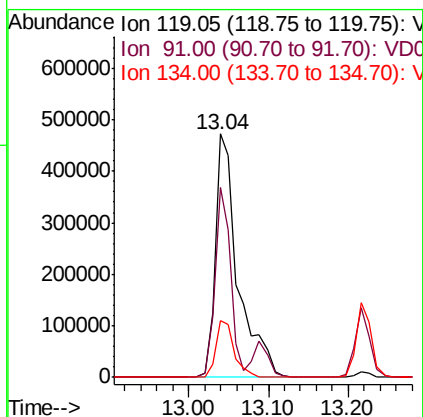
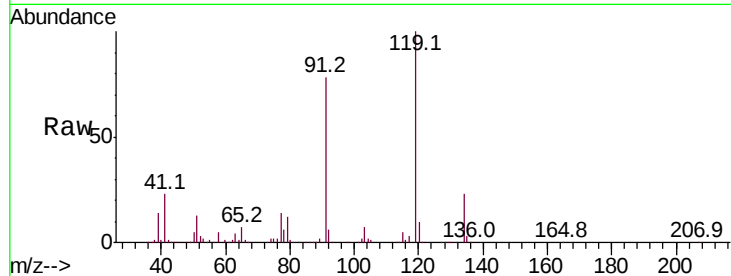




#83
 tert-Butylbenzene
 Concen: 20.572 ug/l
 RT: 13.04 min Scan# 1302
 Delta R.T. -0.01 min
 Lab File: VD059903.D
 Acq: 24 Aug 2018 13:29

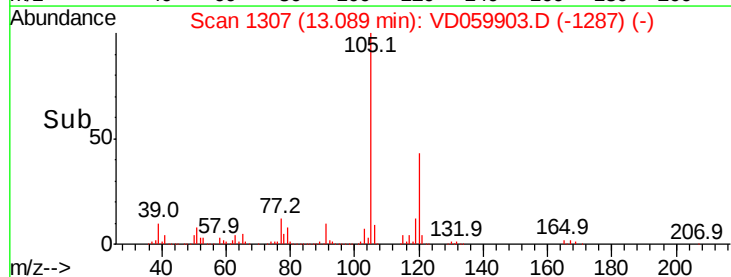
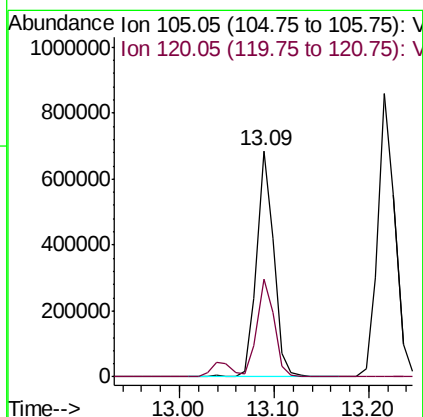
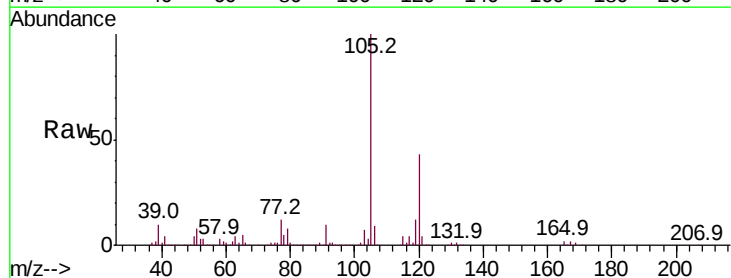
Instrument :
 MSVOA_D
 ClientSampleId :

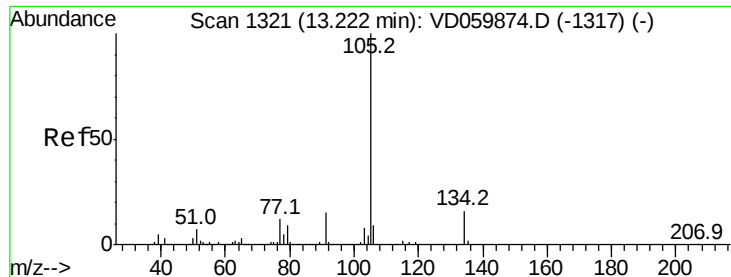
Tot Ion:119 Resp: 940119
 Ion Ratio Lower Upper
 119 100
 91 78.2 34.3 102.9
 134 23.3 11.9 35.9



#84
 1,2,4-Trimethylbenzene
 Concen: 20.666 ug/l
 RT: 13.09 min Scan# 1307
 Delta R.T. -0.01 min
 Lab File: VD059903.D
 Acq: 24 Aug 2018 13:29

Tgt Ion:105 Resp: 864126
 Ion Ratio Lower Upper
 105 100
 120 43.1 21.8 65.3

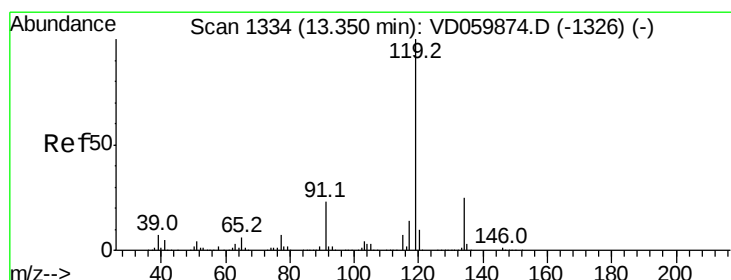
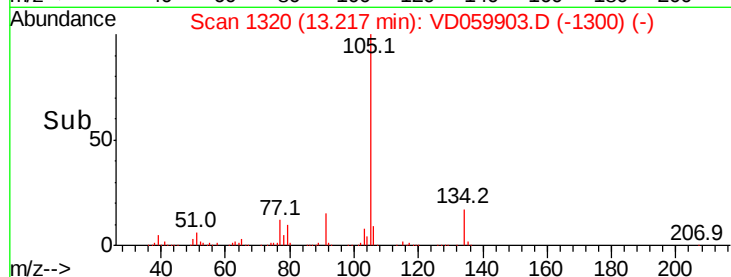
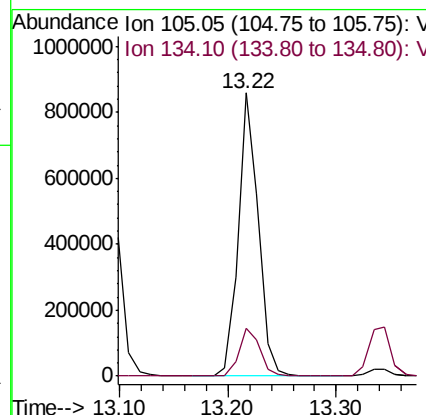
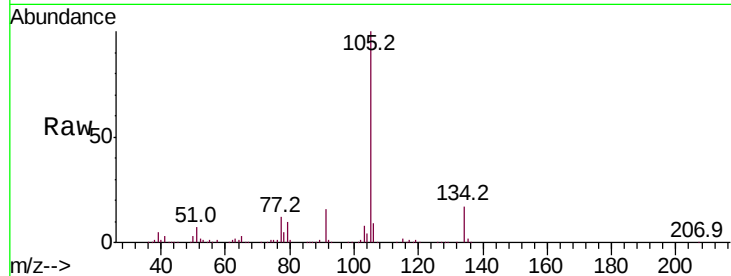




#85
 sec-Butylbenzene
 Concen: 20.417 ug/l
 RT: 13.22 min Scan# 1320
 Delta R.T. -0.01 min
 Lab File: VD059903.D
 Acq: 24 Aug 2018 13:29

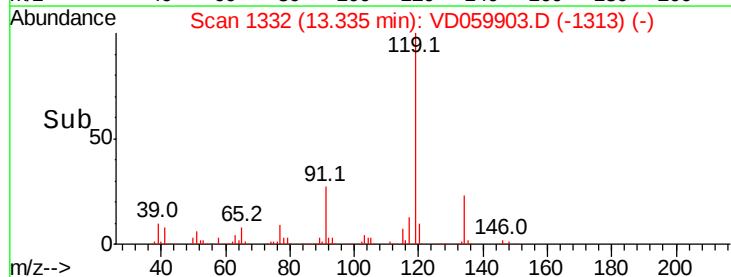
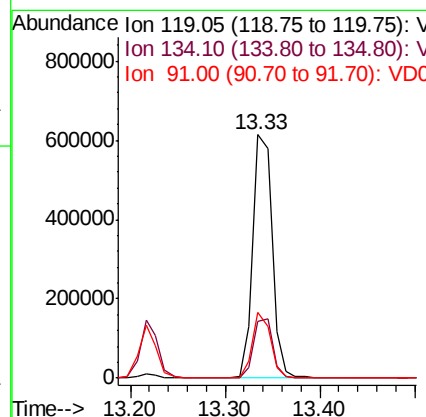
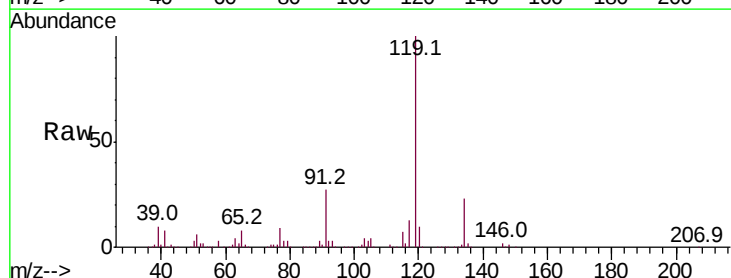
Instrument :
 MSVOA_D
 ClientSampled :

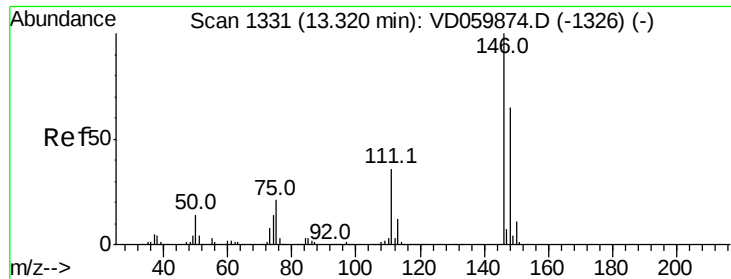
Tot Ion:105 Resp: 1097247
 Ion Ratio Lower Upper
 105 100
 134 16.9 8.2 24.4



#86
 p-Isopropyltoluene
 Concen: 19.921 ug/l
 RT: 13.33 min Scan# 1332
 Delta R.T. -0.01 min
 Lab File: VD059903.D
 Acq: 24 Aug 2018 13:29

Tgt Ion:119 Resp: 870679
 Ion Ratio Lower Upper
 119 100
 134 23.2 12.7 38.1
 91 27.0 11.7 35.0

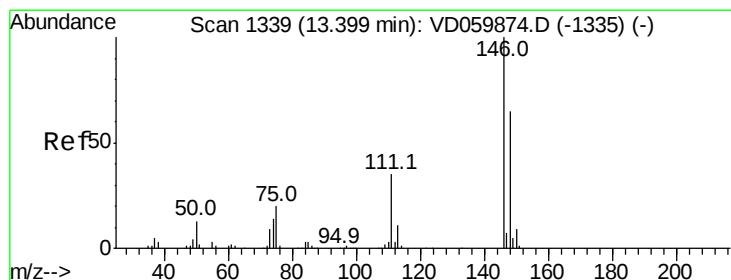
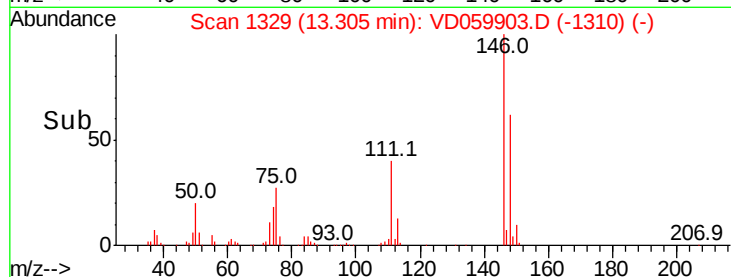
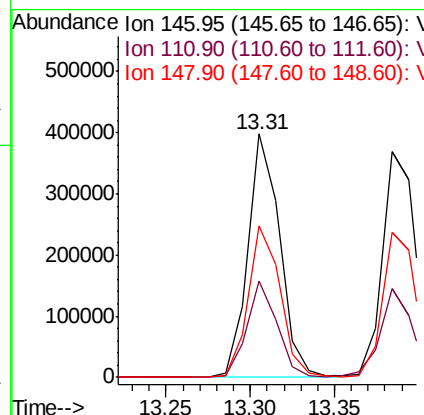
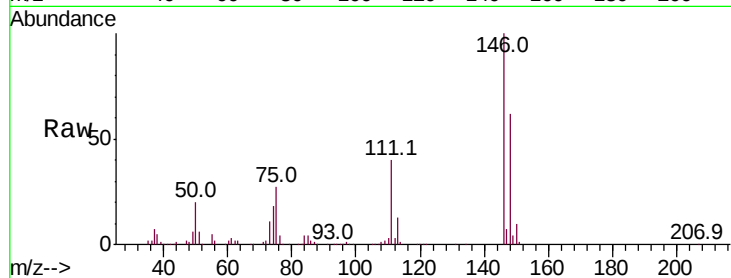




#87
 1,3-Dichlorobenzene
 Concen: 20.887 ug/l
 RT: 13.31 min Scan# 1329
 Delta R.T. -0.01 min
 Lab File: VD059903.D
 Acq: 24 Aug 2018 13:29

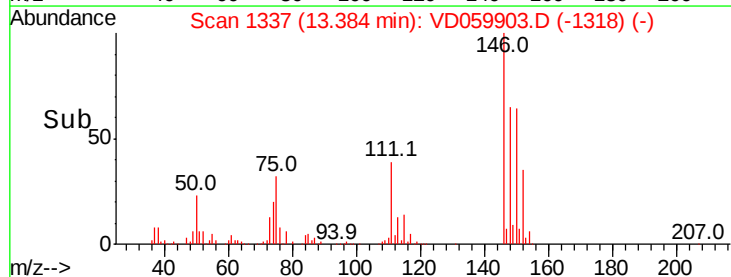
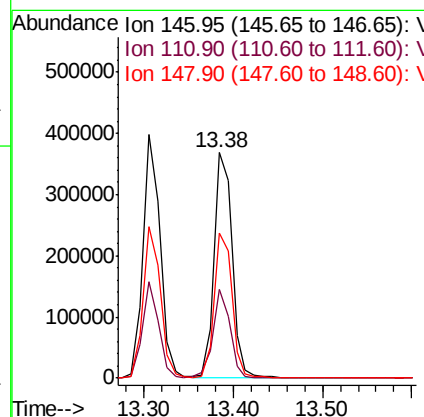
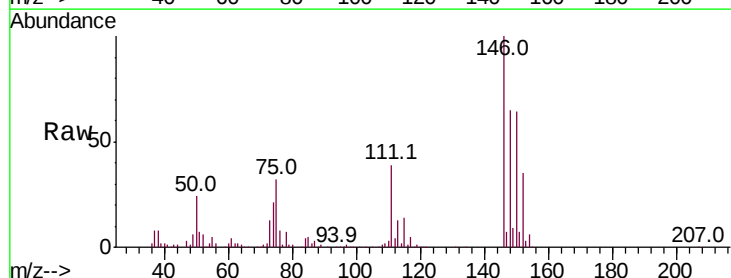
Instrument :
 MSVOA_D
 ClientSampled :

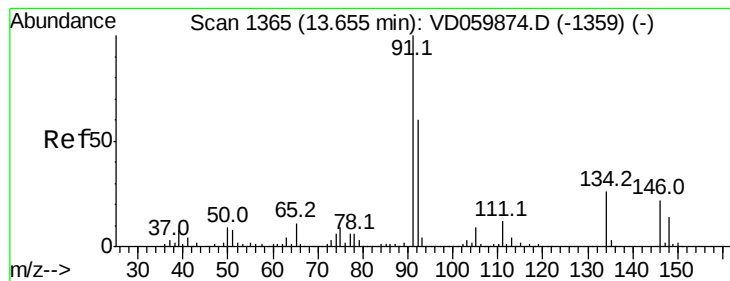
Tot Ion:146 Resp: 521679
 Ion Ratio Lower Upper
 146 100
 111 39.7 17.9 53.7
 148 62.3 32.4 97.0



#88
 1,4-Dichlorobenzene
 Concen: 20.580 ug/l
 RT: 13.38 min Scan# 1337
 Delta R.T. -0.02 min
 Lab File: VD059903.D
 Acq: 24 Aug 2018 13:29

Tgt Ion:146 Resp: 512823
 Ion Ratio Lower Upper
 146 100
 111 39.3 17.5 52.6
 148 64.5 32.5 97.5





#89

n-Butylbenzene

Concen: 20.715 ug/l

RT: 13.64 min Scan# 1363

Delta R.T. -0.01 min

Lab File: VD059903.D

Acq: 24 Aug 2018 13:29

Instrument :

MSVOA_D

ClientSampled :

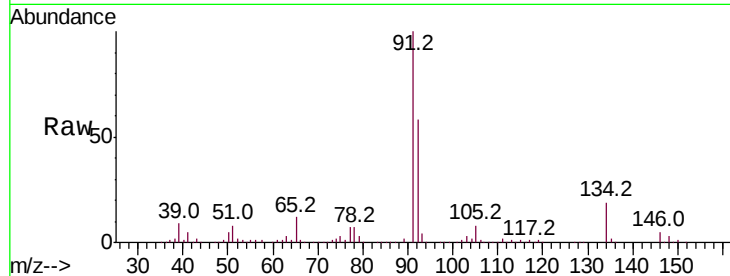
Tot Ion: 91 Resp: 976457

Ion Ratio Lower Upper

91 100

92 58.1 30.0 90.1

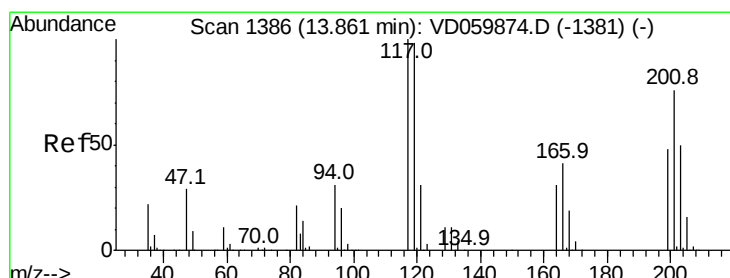
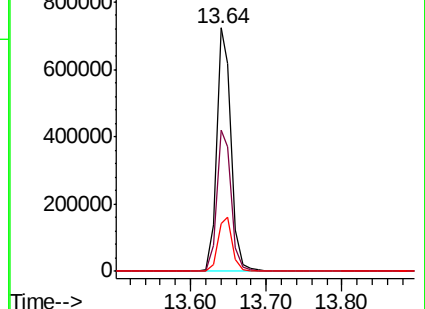
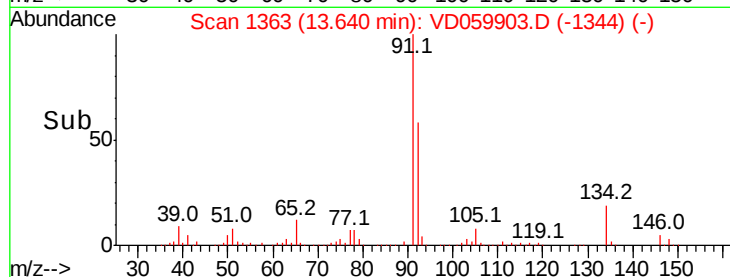
134 19.5 12.8 38.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 18.977 ug/l

RT: 13.86 min Scan# 1385

Delta R.T. -0.01 min

Lab File: VD059903.D

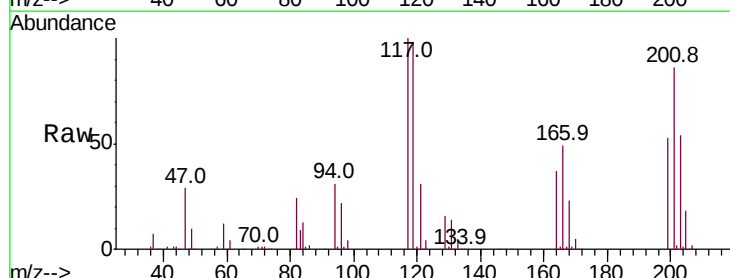
Acq: 24 Aug 2018 13:29

Tgt Ion: 117 Resp: 222703

Ion Ratio Lower Upper

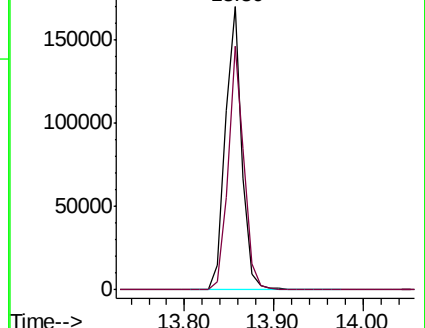
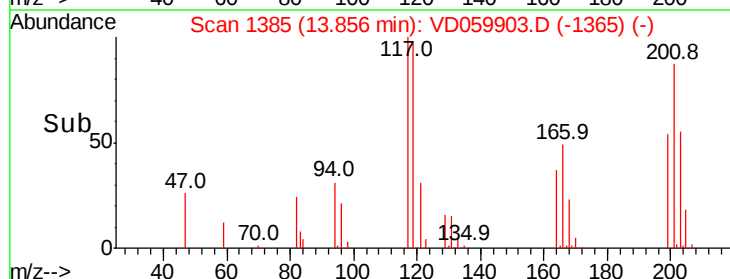
117 100

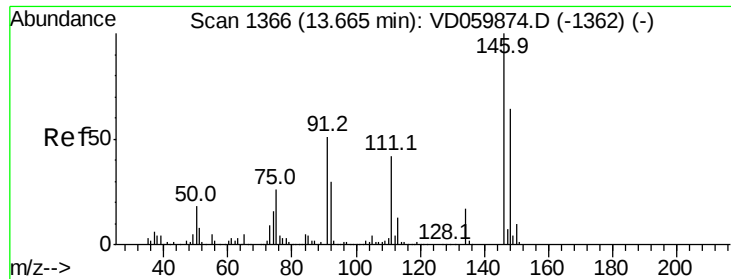
201 86.3 38.1 114.5



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC





#91

1,2-Dichlorobenzene

Concen: 21.969 ug/l

RT: 13.66 min Scan# 1365

Delta R.T. -0.01 min

Lab File: VD059903.D

Acq: 24 Aug 2018 13:29

Instrument :

MSVOA_D

ClientSampled :

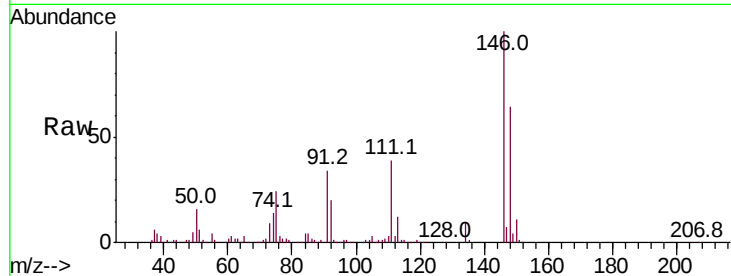
Tot Ion:146 Resp: 466567

Ion Ratio Lower Upper

146 100

111 38.7 21.1 63.1

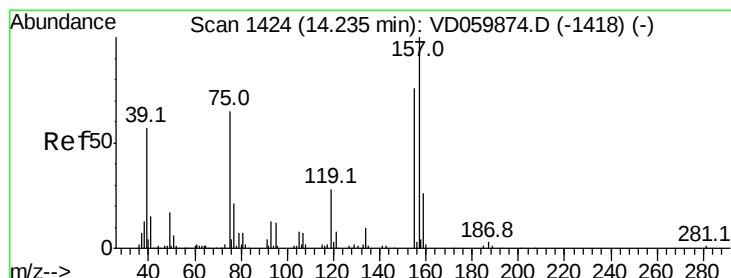
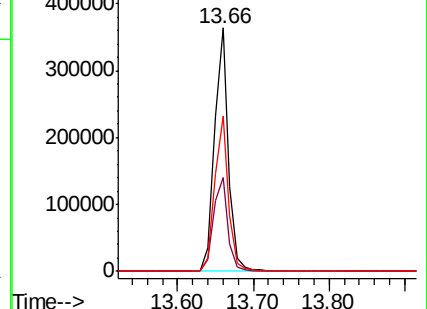
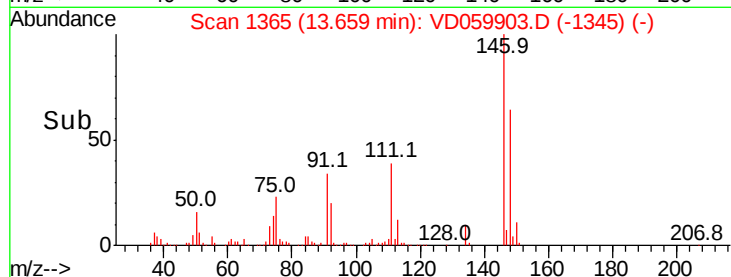
148 63.9 32.2 96.6



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: 20.008 ug/l

RT: 14.22 min Scan# 1422

Delta R.T. -0.02 min

Lab File: VD059903.D

Acq: 24 Aug 2018 13:29

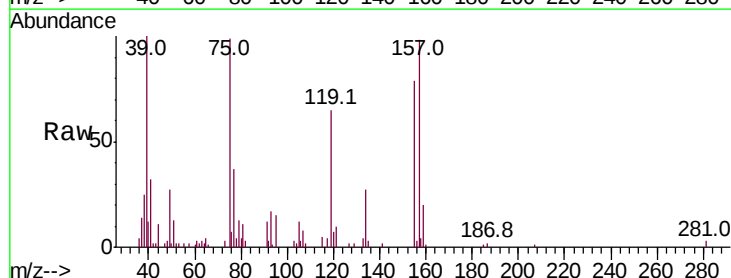
Tgt Ion: 75 Resp: 35903

Ion Ratio Lower Upper

75 100

155 79.5 58.2 174.6

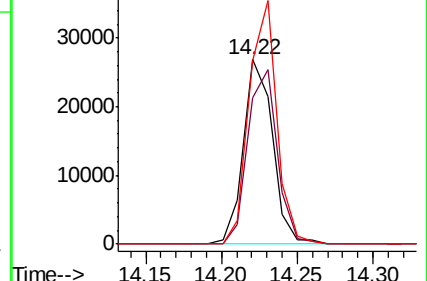
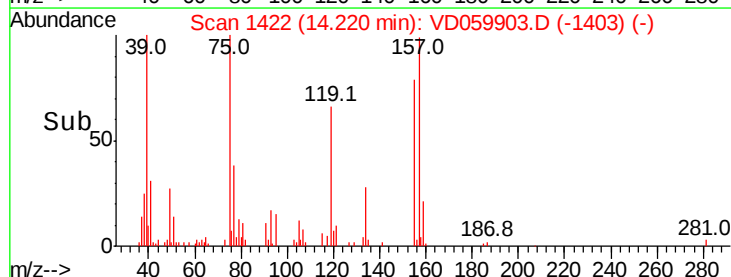
157 99.4 76.8 230.4

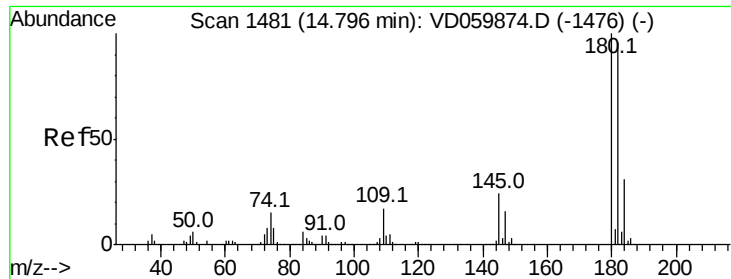


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

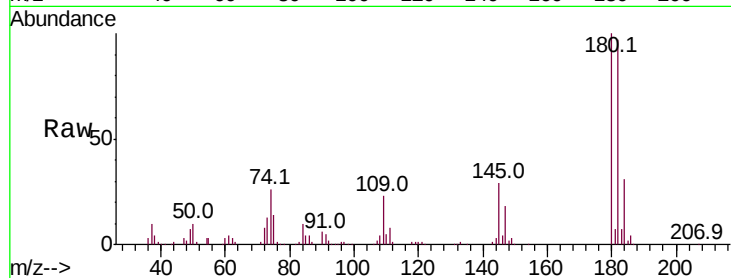




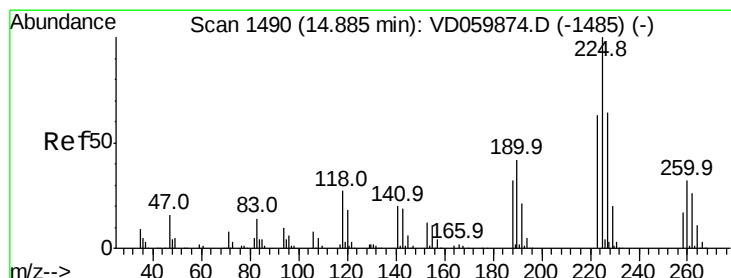
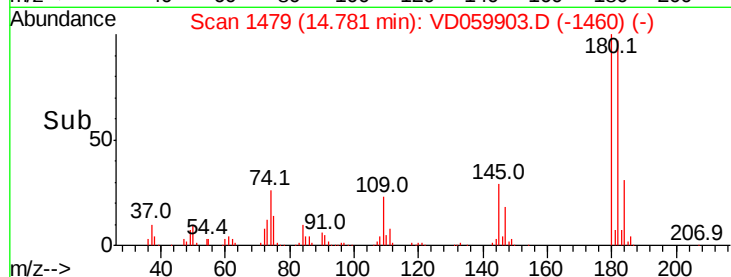
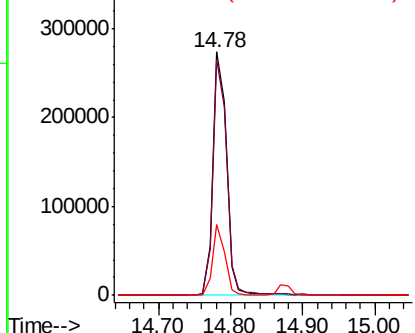
#93
 1,2,4-Trichlorobenzene
 Concen: 19.766 ug/l
 RT: 14.78 min Scan# 1479
 Delta R.T. -0.01 min
 Lab File: VD059903.D
 Acq: 24 Aug 2018 13:29

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.7	47.9	143.7
145	29.1	12.2	36.4

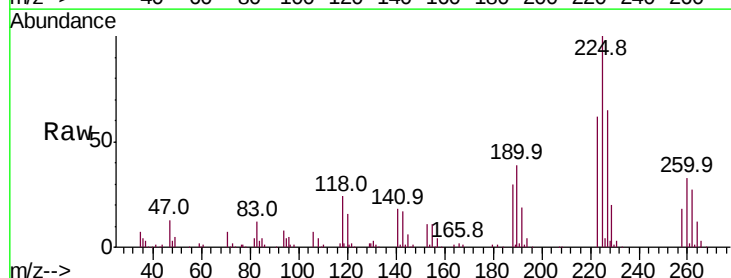


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

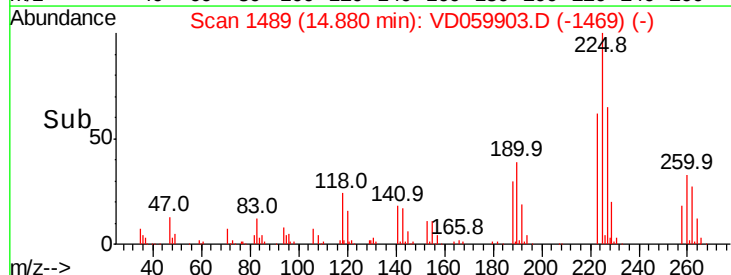
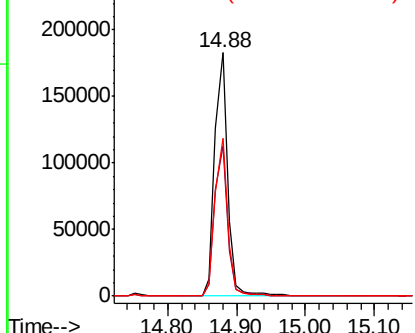


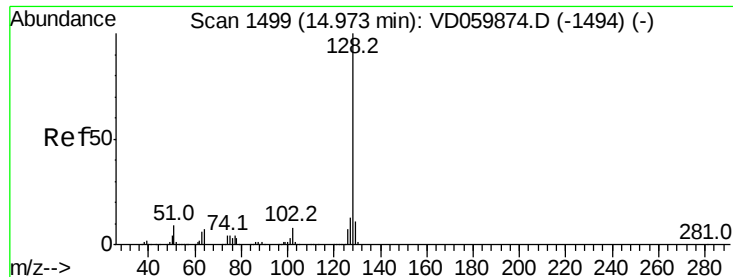
#94
 Hexachlorobutadiene
 Concen: 20.003 ug/l
 RT: 14.88 min Scan# 1489
 Delta R.T. -0.01 min
 Lab File: VD059903.D
 Acq: 24 Aug 2018 13:29

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.8	31.6	94.8
227	65.1	32.0	96.0



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

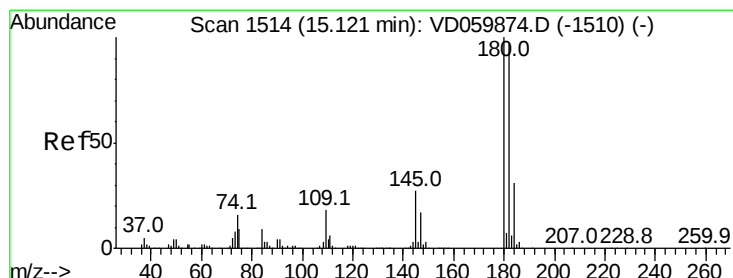
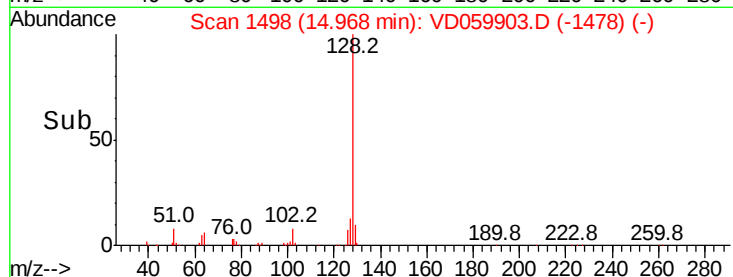
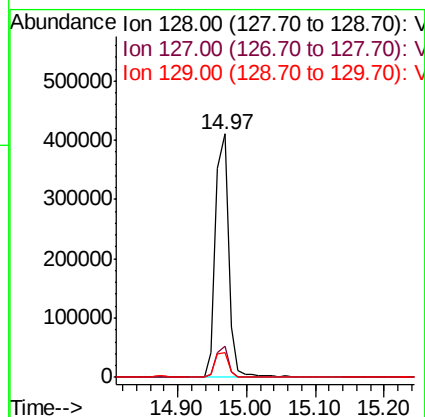
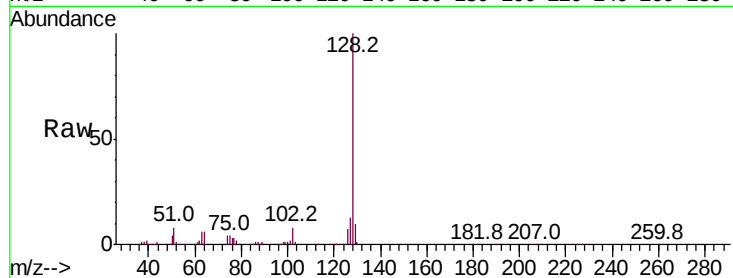




#95
Naphthalene
Concen: 19.812 ug/l
RT: 14.97 min Scan# 1498
Delta R.T. -0.01 min
Lab File: VD059903.D
Acq: 24 Aug 2018 13:29

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:128 Resp: 550538
Ion Ratio Lower Upper
128 100
127 12.6 10.0 15.0
129 10.2 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 19.943 ug/l
RT: 15.12 min Scan# 1513
Delta R.T. -0.01 min
Lab File: VD059903.D
Acq: 24 Aug 2018 13:29

Tgt Ion:180 Resp: 310139
Ion Ratio Lower Upper
180 100
182 95.1 48.6 145.8
145 25.3 13.6 40.8

