

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081518\
 Data File : VD059787.D
 Acq On : 15 Aug 2018 2:44
 Operator : VA/AP
 Sample : VSTDICV050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 15 17:49:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D081518S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 15 16:08:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	275937	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.69	114	371913	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	307739	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	162499	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.01	65	179067	50.51	ug/l	0.00
Spiked Amount			Recovery	=	101.02%	
35) Dibromofluoromethane	5.54	113	166855	51.48	ug/l	0.00
Spiked Amount			Recovery	=	102.96%	
50) Toluene-d8	8.71	98	398884	51.96	ug/l	0.00
Spiked Amount			Recovery	=	103.92%	
62) 4-Bromofluorobenzene	11.93	95	170331	49.53	ug/l	0.00
Spiked Amount			Recovery	=	99.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.33	85	168391	50.078	ug/l	98
3) Chloromethane	1.48	50	103492	56.066	ug/l	95
4) Vinyl Chloride	1.55	62	109988	56.251	ug/l	97
5) Bromomethane	1.78	94	40690	65.361	ug/l	91
6) Chloroethane	1.87	64	47556	58.316	ug/l	98
7) Trichlorofluoromethane	2.08	101	155530	50.653	ug/l	95
8) Diethyl Ether	2.34	74	32991	55.845	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	2.55	101	90311	52.445	ug/l	97
10) Methyl Iodide	2.69	142	101042	48.207	ug/l	94
11) Tert butyl alcohol	3.25	59	36789	293.287	ug/l	100
12) 1,1-Dichloroethene	2.54	96	68172	54.756	ug/l	91
13) Acrolein	2.46	56	29510	255.678	ug/l	96
14) Allyl chloride	2.91	41	161769	51.709	ug/l	93
15) Acrylonitrile	3.35	53	120337	273.831	ug/l	96
16) Acetone	2.60	43	152521	272.597	ug/l	99
17) Carbon Disulfide	2.75	76	241347	57.847	ug/l	98
18) Methyl Acetate	2.93	43	61606	51.519	ug/l	99
19) Methyl tert-butyl Ether	3.40	73	317977	52.325	ug/l	97
20) Methylene Chloride	3.06	84	74816	49.306	ug/l	99
21) trans-1,2-Dichloroethene	3.38	96	128713	52.466	ug/l	96
22) Diisopropyl ether	4.07	45	456792	54.124	ug/l	99
23) Vinyl Acetate	4.02	43	1330018	278.264	ug/l	100
24) 1,1-Dichloroethane	3.97	63	266759	53.279	ug/l	100
25) 2-Butanone	4.82	43	261147	304.957	ug/l	99
26) 2,2-Dichloropropane	4.79	77	228437	49.895	ug/l	99
27) cis-1,2-Dichloroethene	4.80	96	140481	52.263	ug/l	98
28) Bromochloromethane	5.14	49	110334	56.161	ug/l	95
29) Tetrahydrofuran	5.18	42	102589	280.788	ug/l	99
30) Chloroform	5.31	83	294594	49.001	ug/l	99
31) Cyclohexane	5.59	56	183300	50.903	ug/l	97
32) 1,1,1-Trichloroethane	5.51	97	269530	50.989	ug/l	99
36) 1,1-Dichloropropene	5.75	75	196637	51.533	ug/l	97
37) Ethyl Acetate	4.92	43	108969	57.098	ug/l #	95
38) Carbon Tetrachloride	5.72	117	233518	50.726	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.28	83	180408	54.656	ug/l	96
40) Benzene	6.01	78	429299	53.041	ug/l	97
41) Methacrylonitrile	5.12	41	54773	59.989	ug/l	96
42) 1,2-Dichloroethane	6.12	62	230934	52.722	ug/l	100
43) Isopropyl Acetate	7.62	43	139258	57.783	ug/l	92
44) Trichloroethene	6.98	130	145552	52.518	ug/l	97
45) 1,2-Dichloropropane	7.35	63	114669	54.507	ug/l	96
46) Dibromomethane	7.46	93	92304	53.646	ug/l	95
47) Bromodichloromethane	7.74	83	216730	51.410	ug/l	96
48) Methyl methacrylate	7.50	41	94146	59.867	ug/l	96
49) 1,4-Dioxane	7.48	88	16972	1225.479	ug/l #	89
51) 4-Methyl-2-Pentanone	8.60	43	578850	317.749	ug/l	99
52) Toluene	8.81	92	272761	52.606	ug/l	98
53) t-1,3-Dichloropropene	9.19	75	184898	52.899	ug/l	98
54) cis-1,3-Dichloropropene	8.36	75	197968	52.408	ug/l	97
55) 1,1,2-Trichloroethane	9.46	97	100774	52.645	ug/l	96
56) Ethyl methacrylate	9.31	69	116871	56.378	ug/l	98
57) 1,3-Dichloropropane	9.66	76	159032	53.035	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.19	63	283436	276.636	ug/l	95
59) 2-Hexanone	9.78	43	414168	317.057	ug/l	100
60) Dibromochloromethane	9.96	129	149742	53.879	ug/l	100
61) 1,2-Dibromoethane	10.10	107	111215	52.451	ug/l	100
64) Tetrachloroethene	9.51	164	138612	52.298	ug/l	97
65) Chlorobenzene	10.72	112	311043	49.908	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.85	131	123529	49.177	ug/l	99
67) Ethyl Benzene	10.85	91	513446	47.849	ug/l	97
68) m/p-Xylenes	11.01	106	372506	102.423	ug/l	92
69) o-Xylene	11.40	106	176449	50.544	ug/l	93
70) Styrene	11.43	104	294375	47.547	ug/l	99
71) Bromoform	11.60	173	100814	55.212	ug/l	98
73) Isopropylbenzene	11.78	105	537432	52.232	ug/l	97
74) N-amyl acetate	11.65	43	189335	60.015	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.08	83	111040	53.143	ug/l	99
76) 1,2,3-Trichloropropane	12.11	75	127086	55.122	ug/l	99
77) Bromobenzene	12.04	156	157053	53.415	ug/l	89
78) n-propylbenzene	12.15	91	654711	51.011	ug/l	96
79) 2-Chlorotoluene	12.22	91	405621	52.407	ug/l	95
80) 1,3,5-Trimethylbenzene	12.32	105	441430	53.580	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.85	75	31252	57.938	ug/l	88
82) 4-Chlorotoluene	12.33	91	453706	51.646	ug/l	96
83) tert-Butylbenzene	12.57	119	491819	54.027	ug/l	99
84) 1,2,4-Trimethylbenzene	12.62	105	462285	52.070	ug/l	99
85) sec-Butylbenzene	12.76	105	546394	51.786	ug/l	97
86) p-Isopropyltoluene	12.89	119	456651	51.723	ug/l	95
87) 1,3-Dichlorobenzene	12.84	146	268915	51.006	ug/l	96
88) 1,4-Dichlorobenzene	12.93	146	278825	53.343	ug/l	98
89) n-Butylbenzene	13.19	91	447132	50.090	ug/l	98
90) Hexachloroethane	13.40	117	122779	55.420	ug/l	88
91) 1,2-Dichlorobenzene	13.19	146	214243	49.405	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.77	75	21789	58.451	ug/l	88

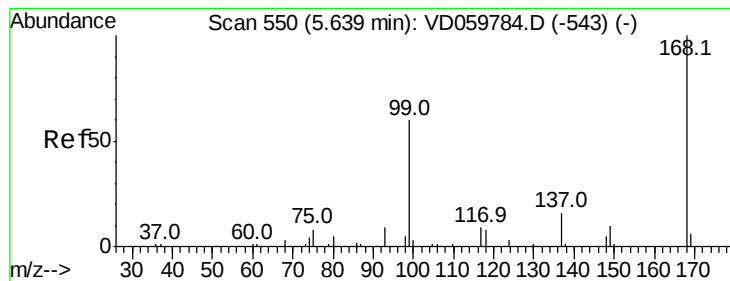
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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.35	180	195730	53.981	ug/l	96
94) Hexachlorobutadiene	14.43	225	141213	52.761	ug/l	99
95) Naphthalene	14.51	128	302033	54.408	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	170767	53.373	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 550

Delta R.T. 0.00 min

Lab File: VD059787.D

Acq: 15 Aug 2018 2:44

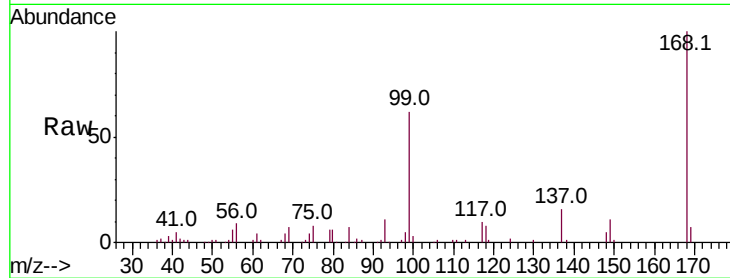
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 275937

Ion Ratio Lower Upper

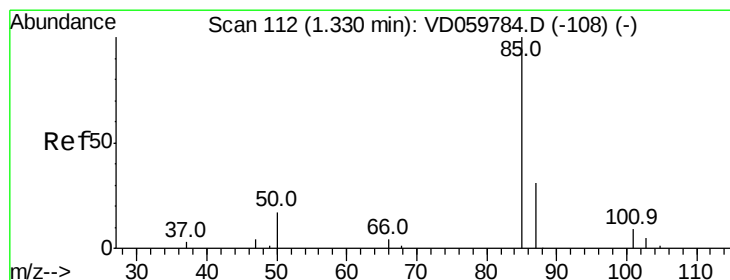
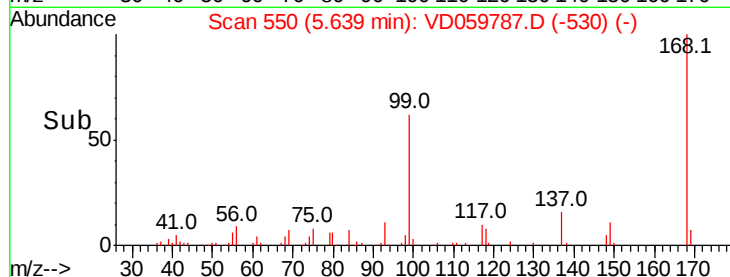
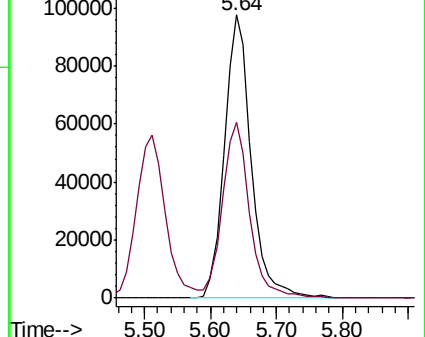
168 100

99 62.2 50.3 75.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 50.078 ug/l

RT: 1.33 min Scan# 112

Delta R.T. 0.00 min

Lab File: VD059787.D

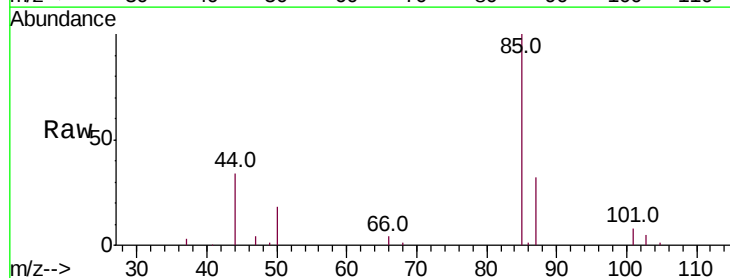
Acq: 15 Aug 2018 2:44

Tgt Ion: 85 Resp: 168391

Ion Ratio Lower Upper

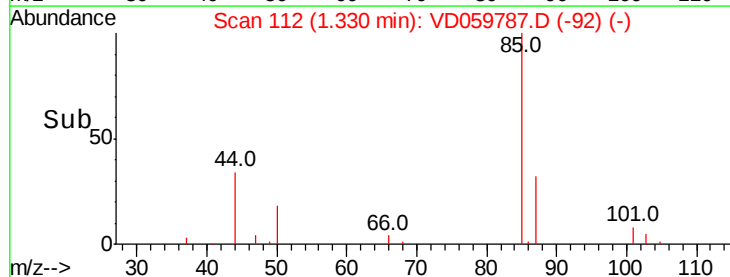
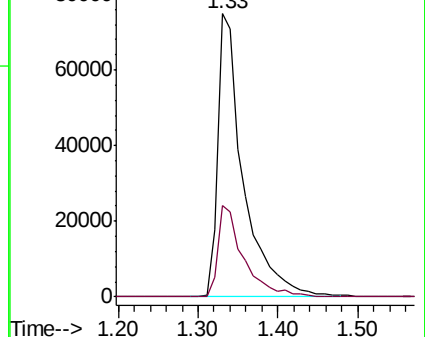
85 100

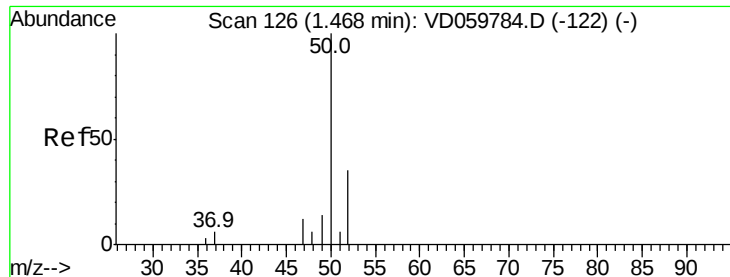
87 32.4 15.7 47.1



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 56.066 ug/l

RT: 1.48 min Scan# 127

Delta R.T. 0.01 min

Lab File: VD059787.D

Acq: 15 Aug 2018 2:44

Instrument :

MSVOA_D

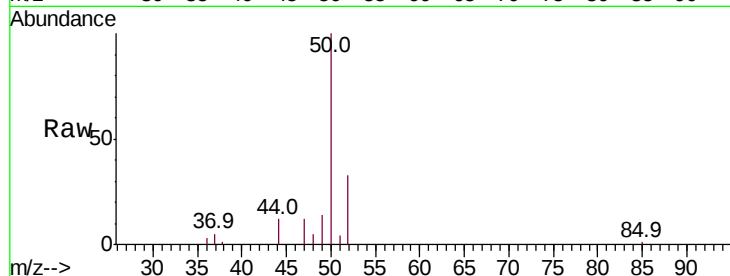
ClientSampleId :

Tot Ion: 50 Resp: 103492

Ion Ratio Lower Upper

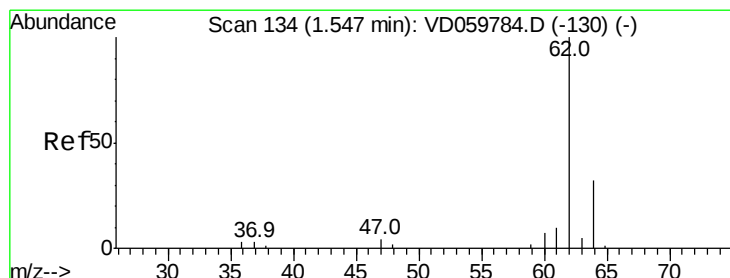
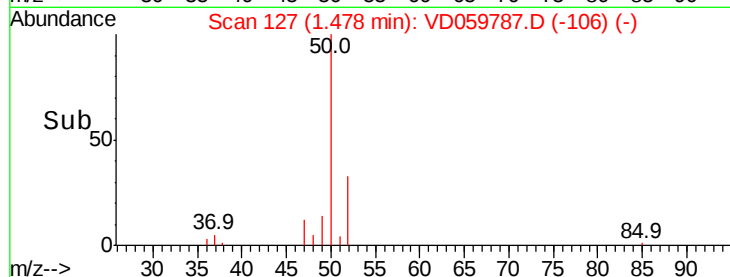
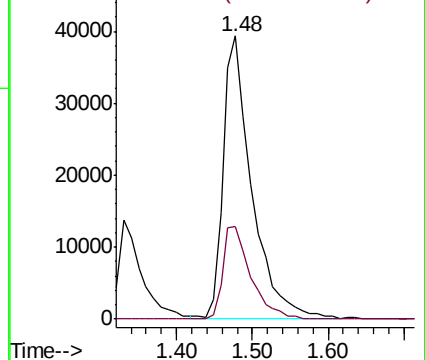
50 100

52 32.8 28.4 42.6



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 56.251 ug/l

RT: 1.55 min Scan# 134

Delta R.T. 0.00 min

Lab File: VD059787.D

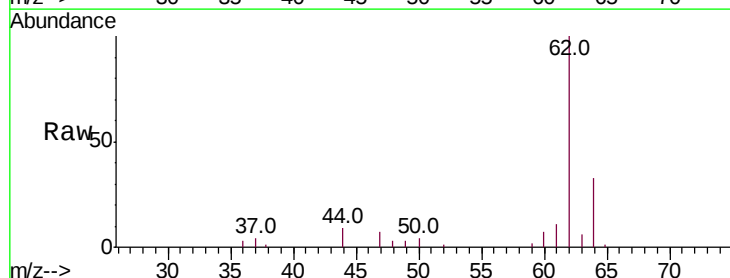
Acq: 15 Aug 2018 2:44

Tgt Ion: 62 Resp: 109988

Ion Ratio Lower Upper

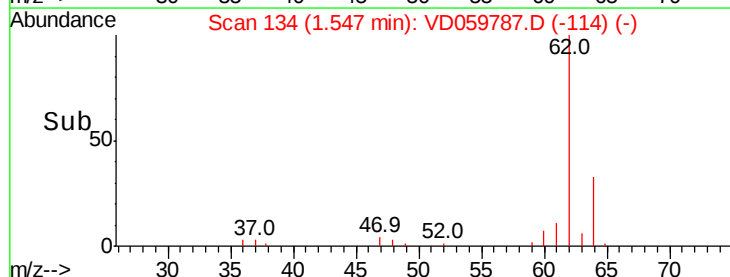
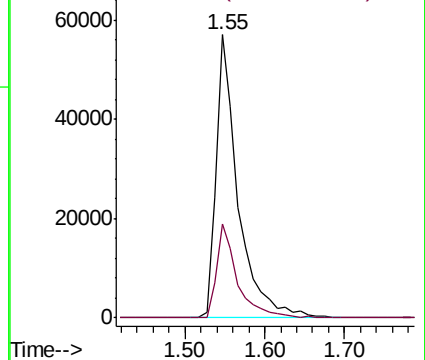
62 100

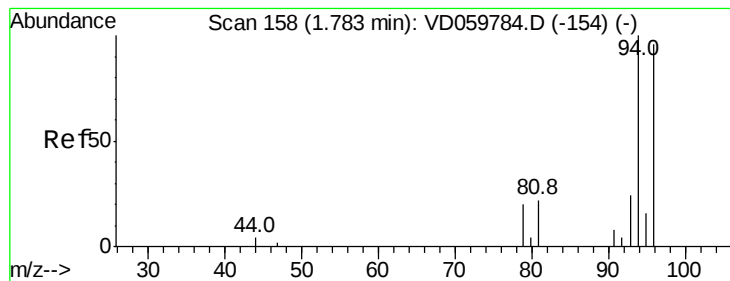
64 33.4 25.5 38.3



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 65.361 ug/l

RT: 1.78 min Scan# 158

Delta R.T. 0.00 min

Lab File: VD059787.D

Acq: 15 Aug 2018 2:44

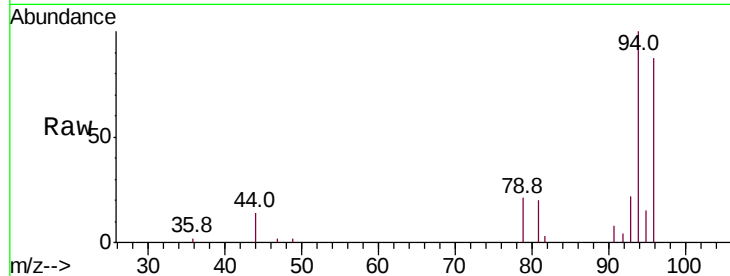
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 94 Resp: 40690

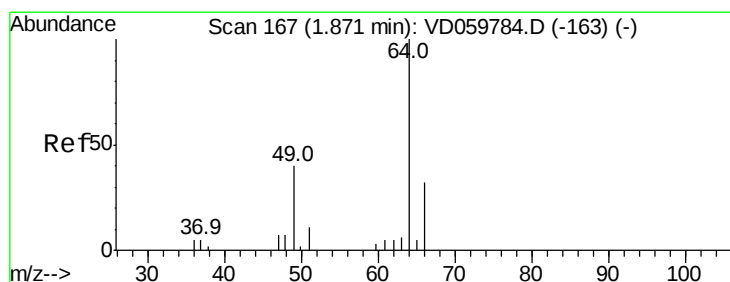
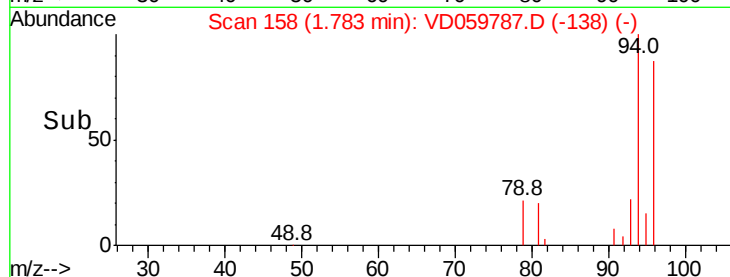
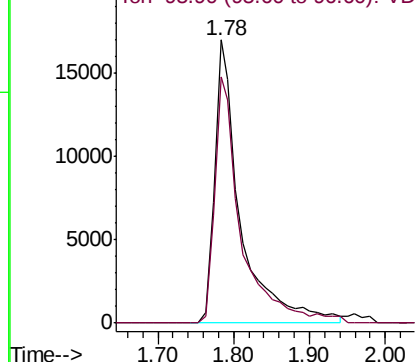
Ion Ratio Lower Upper

94 100

96 87.1 76.7 115.1



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



#6

Chloroethane

Concen: 58.316 ug/l

RT: 1.87 min Scan# 167

Delta R.T. 0.00 min

Lab File: VD059787.D

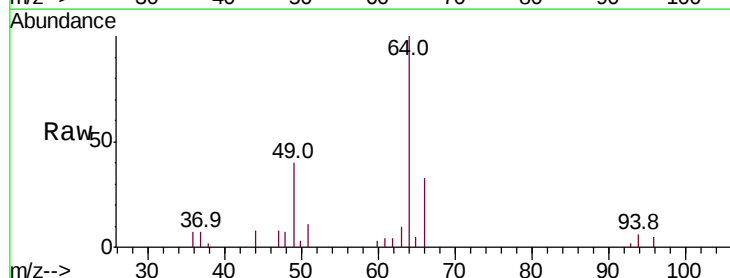
Acq: 15 Aug 2018 2:44

Tgt Ion: 64 Resp: 47556

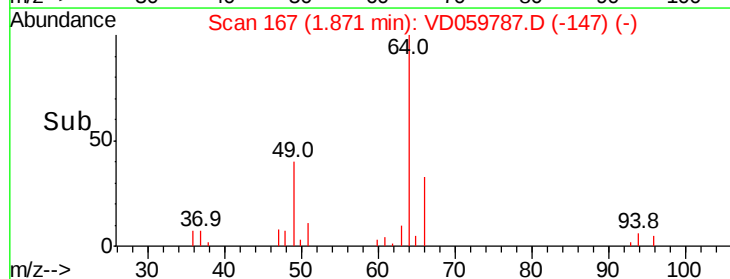
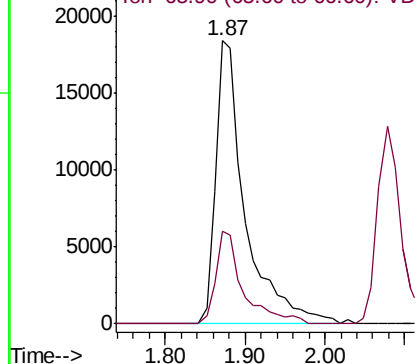
Ion Ratio Lower Upper

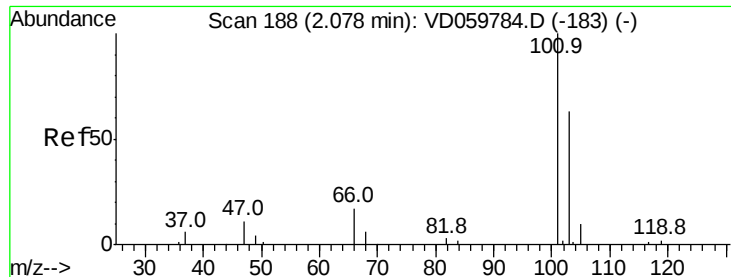
64 100

66 32.8 25.4 38.2



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



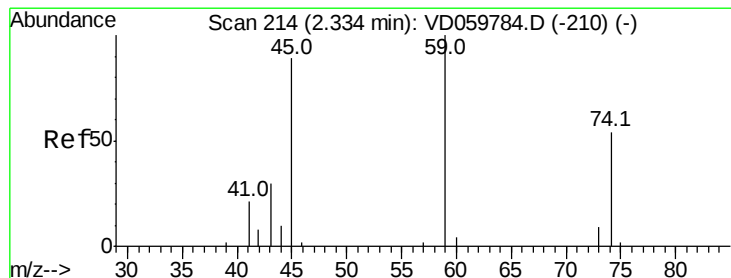
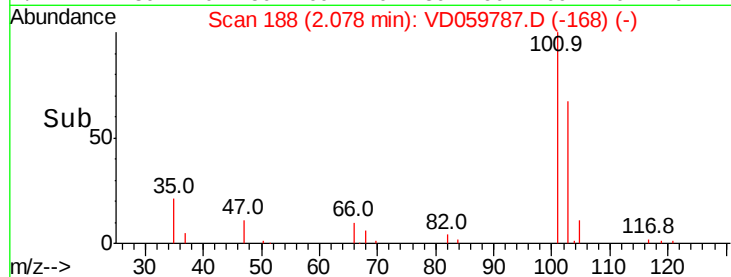
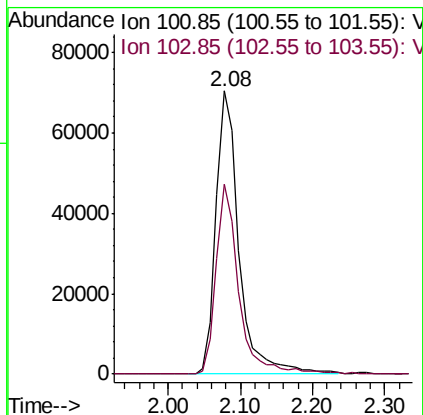
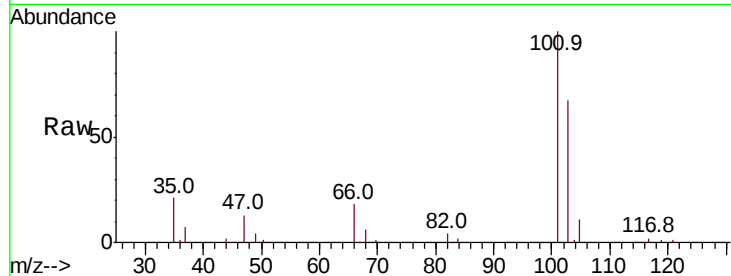


#7

Trichlorofluoromethane
 Concen: 50.653 ug/l
 RT: 2.08 min Scan# 188
 Delta R.T. 0.00 min
 Lab File: VD059787.D
 Acq: 15 Aug 2018 2:44

Instrument :
 MSVOA_D
 ClientSampleId :

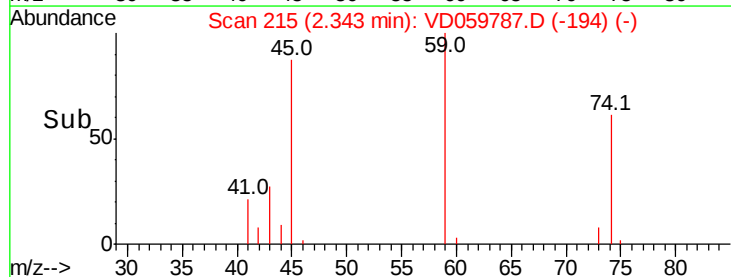
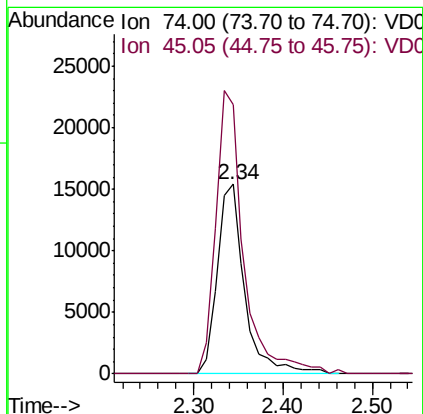
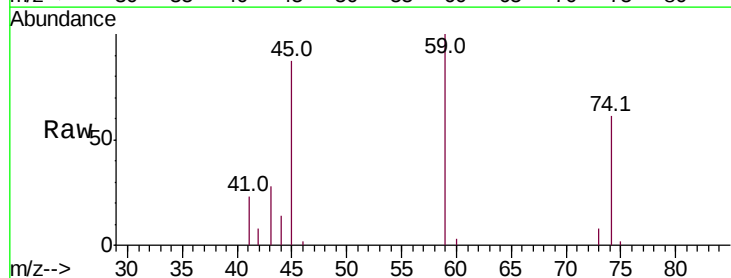
Tot Ion:101 Resp: 155530
 Ion Ratio Lower Upper
 101 100
 103 67.2 50.4 75.6

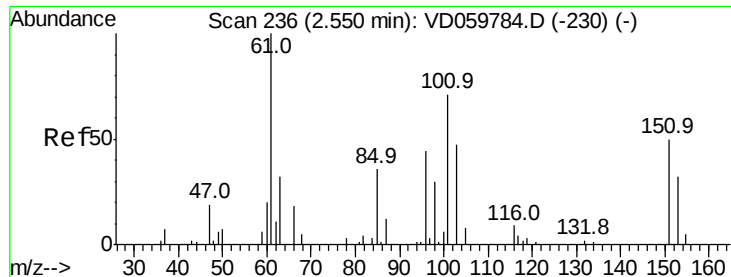


#8

Diethyl Ether
 Concen: 55.845 ug/l
 RT: 2.34 min Scan# 215
 Delta R.T. 0.01 min
 Lab File: VD059787.D
 Acq: 15 Aug 2018 2:44

Tgt Ion: 74 Resp: 32991
 Ion Ratio Lower Upper
 74 100
 45 142.3 81.6 244.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.445 ug/l

RT: 2.55 min Scan# 236

Delta R.T. 0.00 min

Lab File: VD059787.D

Acq: 15 Aug 2018 2:44

Instrument :

MSVOA_D

ClientSampled :

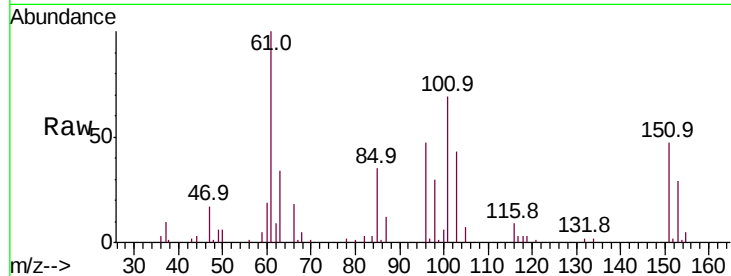
Tot Ion:101 Resp: 90311

Ion Ratio Lower Upper

101 100

85 50.3 40.6 61.0

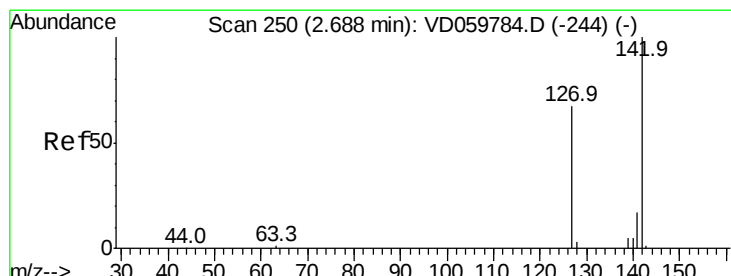
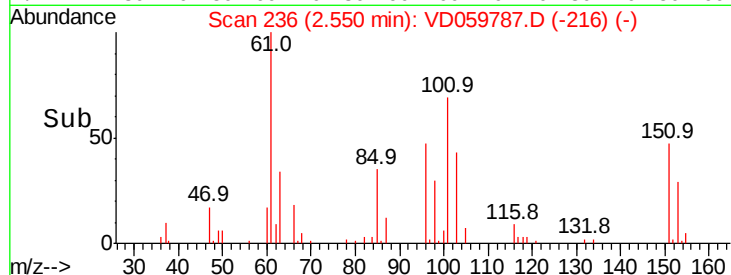
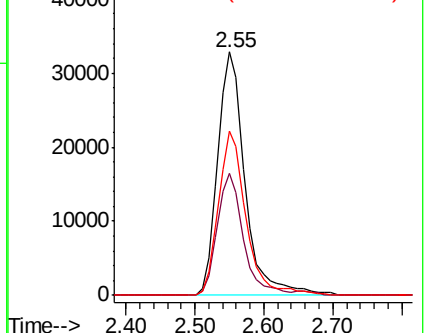
151 67.2 57.1 85.7



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: 48.207 ug/l

RT: 2.69 min Scan# 250

Delta R.T. 0.00 min

Lab File: VD059787.D

Acq: 15 Aug 2018 2:44

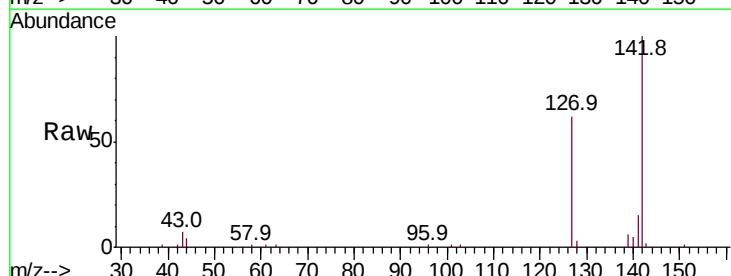
Tgt Ion:142 Resp: 101042

Ion Ratio Lower Upper

142 100

127 62.1 54.0 81.0

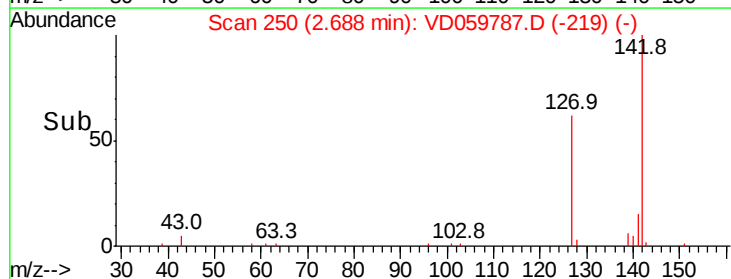
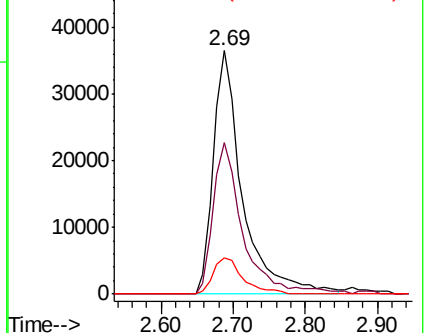
141 15.1 13.3 19.9

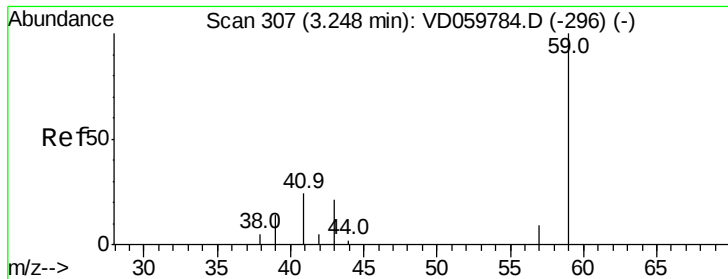


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



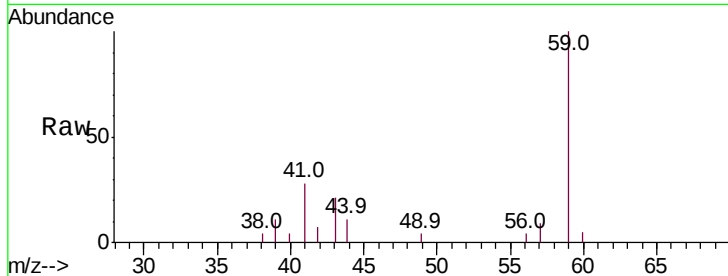


#11

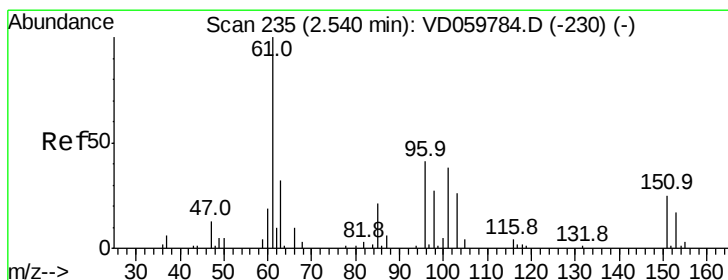
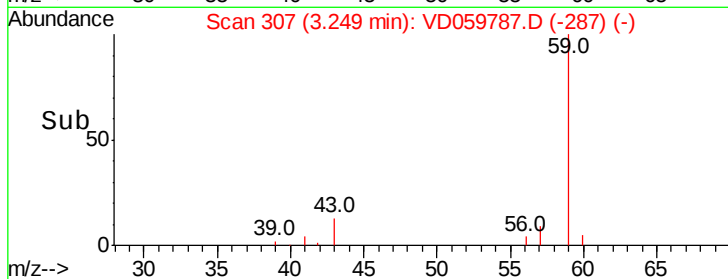
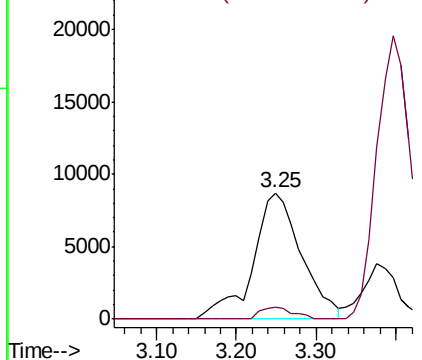
Tert butyl alcohol
 Concen: 293.287 ug/l
 RT: 3.25 min Scan# 307
 Delta R.T. 0.00 min
 Lab File: VD059787.D
 Acq: 15 Aug 2018 2:44

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion: 59 Resp: 36789
 Ion Ratio Lower Upper
 59 100
 57 9.3 7.5 11.3



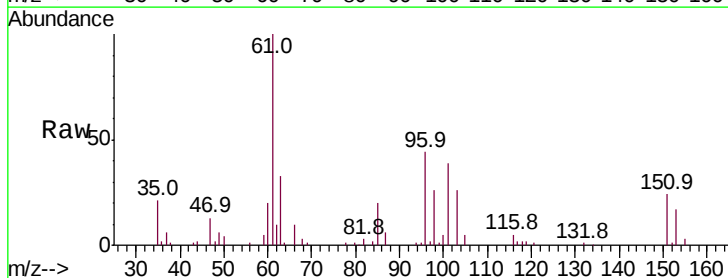
Abundance Ion 58.95 (58.65 to 59.65): VDC
 Ion 56.95 (56.65 to 57.65): VDC



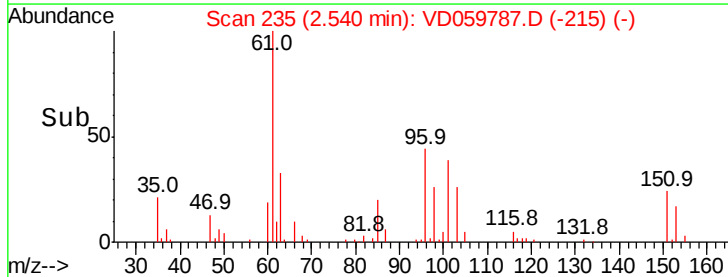
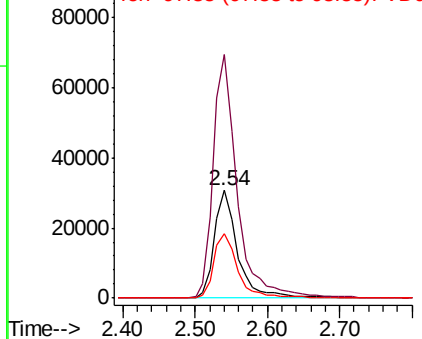
#12

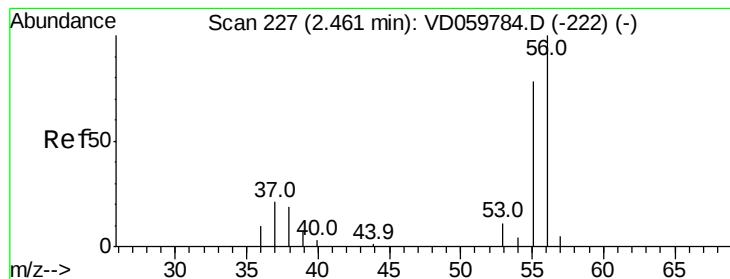
1,1-Dichloroethene
 Concen: 54.756 ug/l
 RT: 2.54 min Scan# 235
 Delta R.T. 0.00 min
 Lab File: VD059787.D
 Acq: 15 Aug 2018 2:44

Tgt Ion: 96 Resp: 68172
 Ion Ratio Lower Upper
 96 100
 61 225.9 194.1 291.1
 98 59.2 52.3 78.5



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: 255.678 ug/l

RT: 2.46 min Scan# 227

Delta R.T. 0.00 min

Lab File: VD059787.D

Acq: 15 Aug 2018 2:44

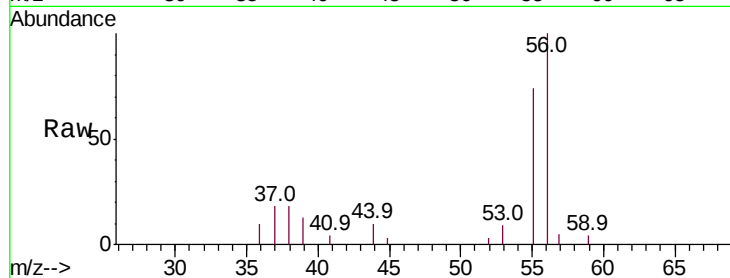
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 29510

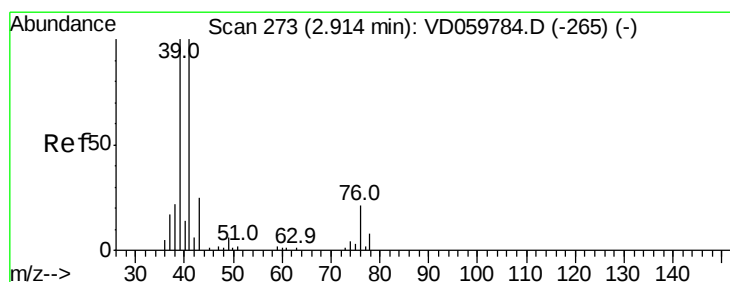
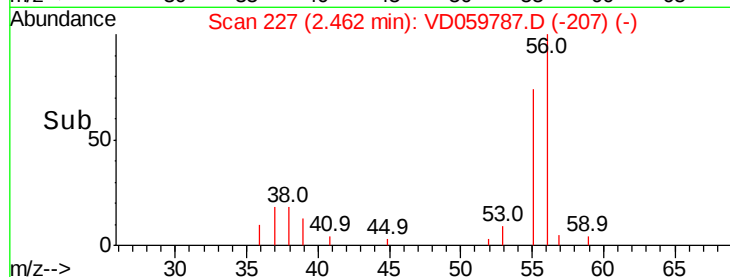
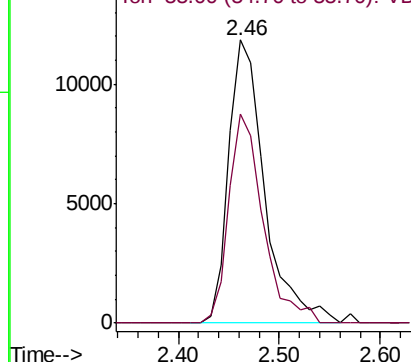
Ion Ratio Lower Upper

56 100

55 73.8 62.2 93.2



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 51.709 ug/l

RT: 2.91 min Scan# 273

Delta R.T. 0.00 min

Lab File: VD059787.D

Acq: 15 Aug 2018 2:44

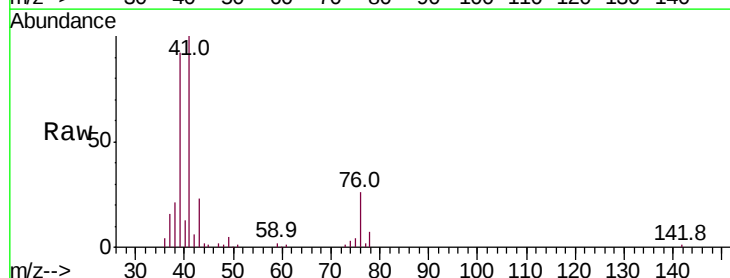
Tgt Ion: 41 Resp: 161769

Ion Ratio Lower Upper

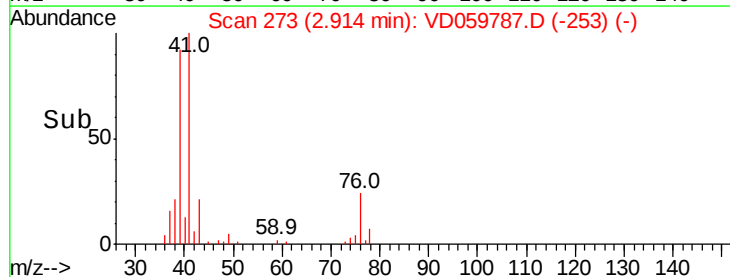
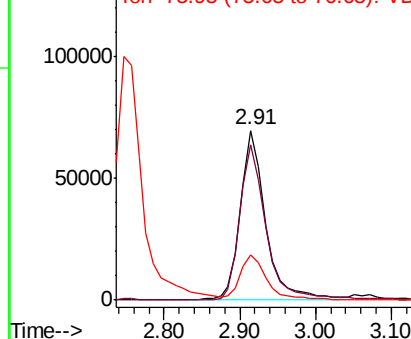
41 100

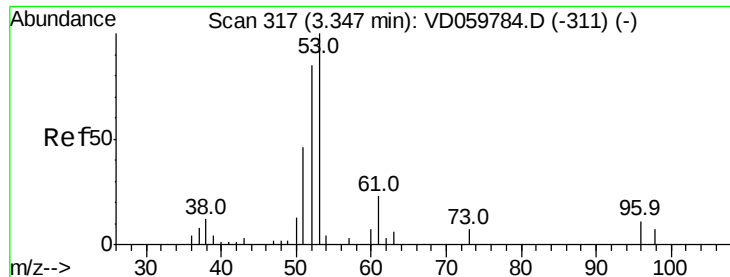
39 91.6 79.8 119.6

76 26.3 20.4 30.6



Abundance Ion 41.05 (40.75 to 41.75): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 75.95 (75.65 to 76.65): VDC

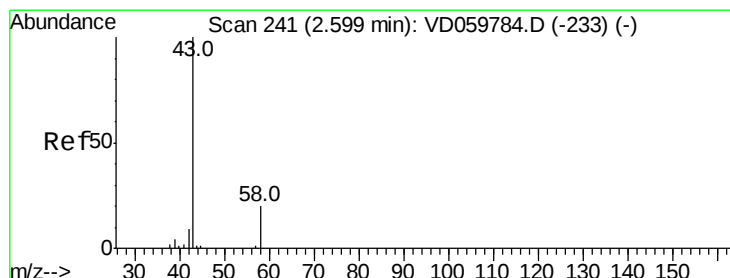
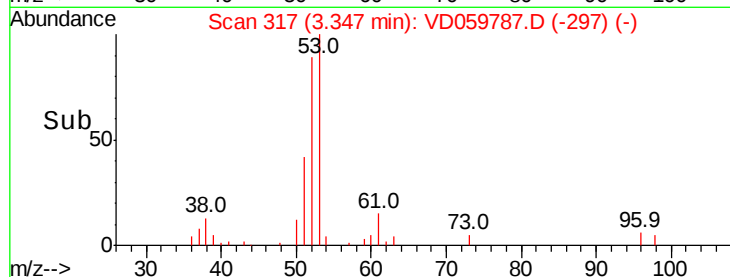
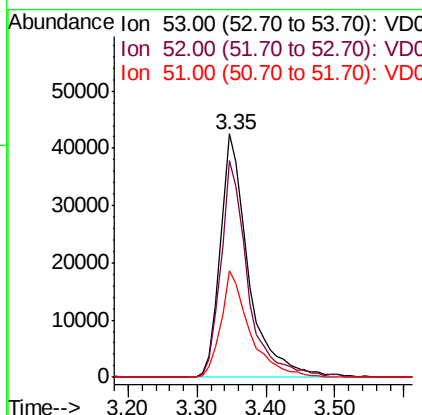
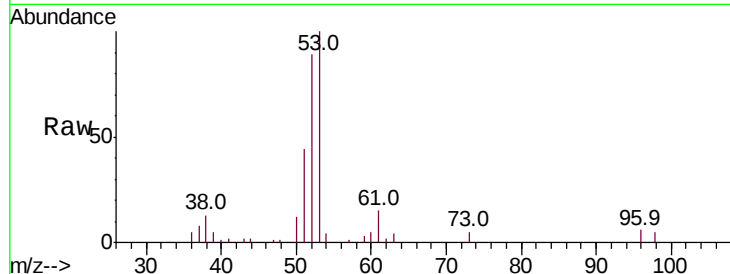




#15
 Acrylonitrile
 Concen: 273.831 ug/l
 RT: 3.35 min Scan# 317
 Delta R.T. 0.00 min
 Lab File: VD059787.D
 Acq: 15 Aug 2018 2:44

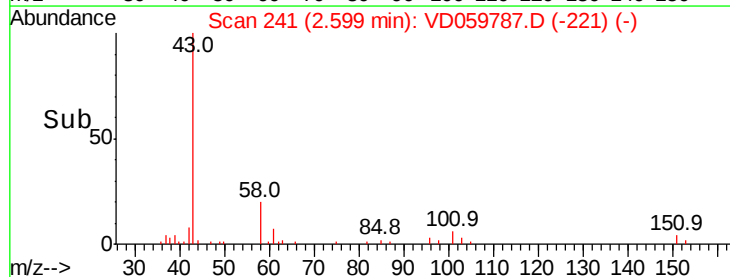
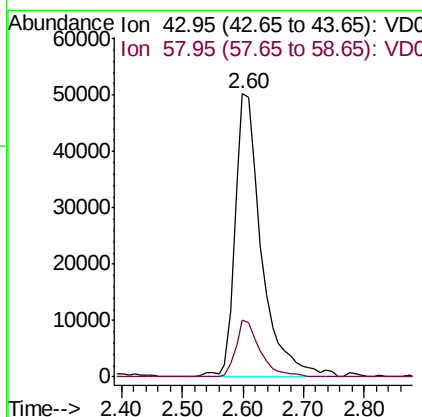
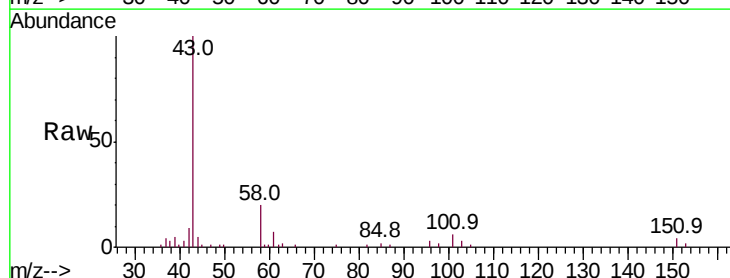
Instrument :
 MSVOA_D
 ClientSampleId :

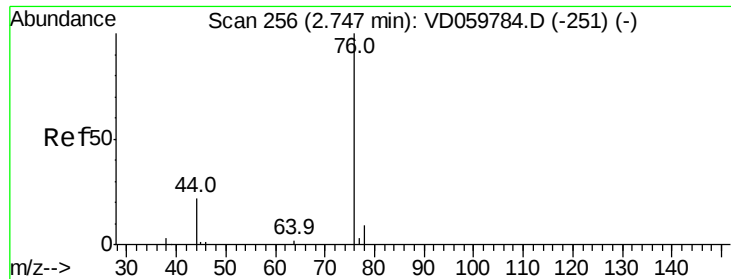
Tot Ion: 53 Resp: 120337
 Ion Ratio Lower Upper
 53 100
 52 88.8 68.2 102.2
 51 43.6 36.6 54.8



#16
 Acetone
 Concen: 272.597 ug/l
 RT: 2.60 min Scan# 241
 Delta R.T. 0.00 min
 Lab File: VD059787.D
 Acq: 15 Aug 2018 2:44

Tgt Ion: 43 Resp: 152521
 Ion Ratio Lower Upper
 43 100
 58 19.9 15.7 23.5

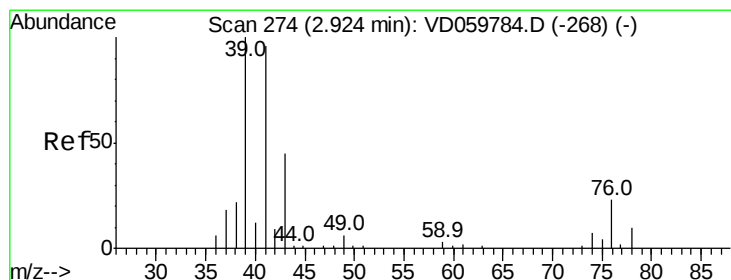
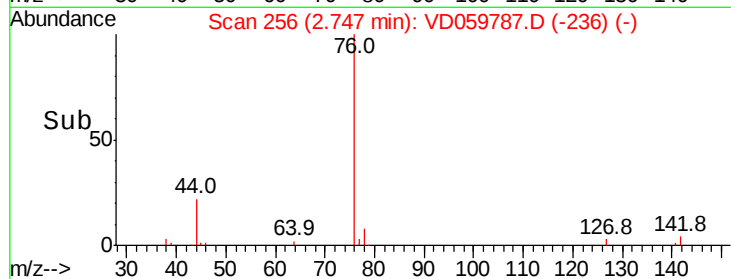
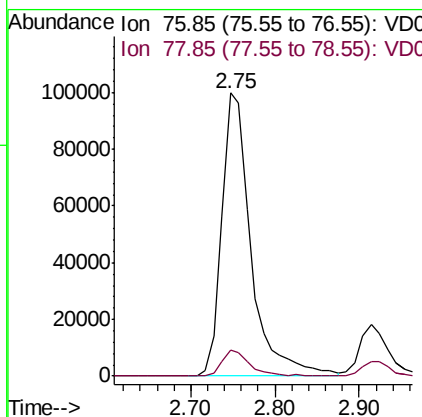
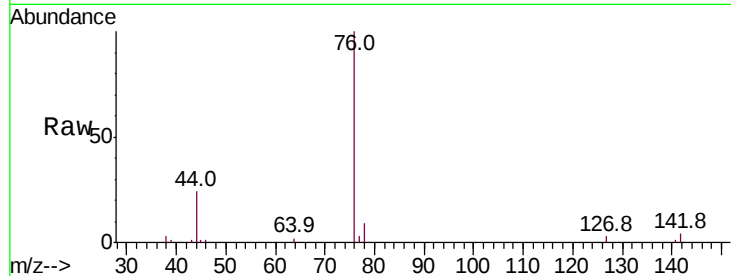




#17
Carbon Disulfide
Concen: 57.847 ug/l
RT: 2.75 min Scan# 256
Delta R.T. 0.00 min
Lab File: VD059787.D
Acq: 15 Aug 2018 2:44

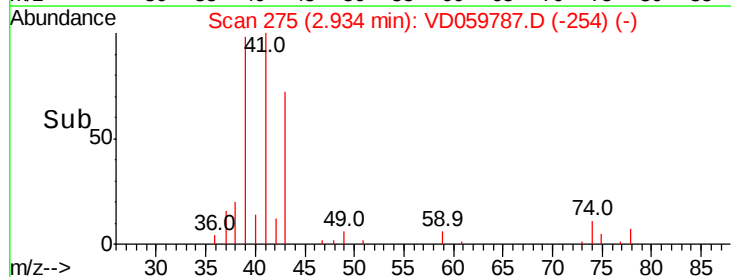
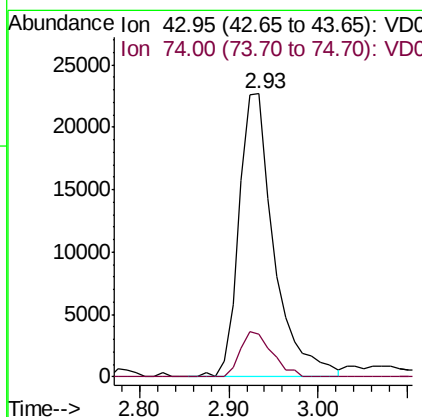
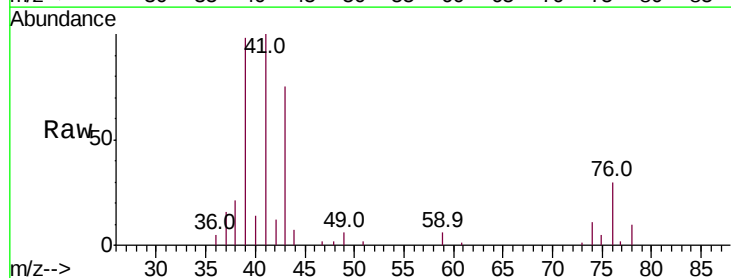
Instrument :
MSVOA_D
ClientSampled :

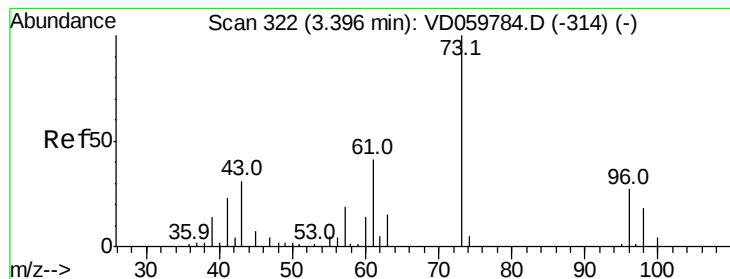
Tot Ion: 76 Resp: 241347
Ion Ratio Lower Upper
76 100
78 9.4 6.9 10.3



#18
Methyl Acetate
Concen: 51.519 ug/l
RT: 2.93 min Scan# 275
Delta R.T. 0.01 min
Lab File: VD059787.D
Acq: 15 Aug 2018 2:44

Tgt Ion: 43 Resp: 61606
Ion Ratio Lower Upper
43 100
74 15.1 12.4 18.6



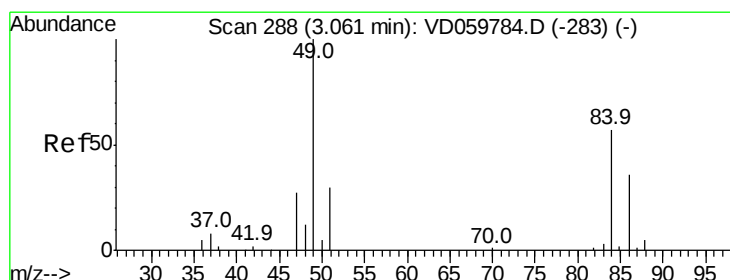
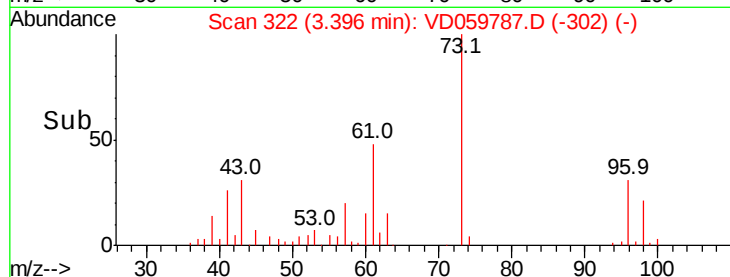
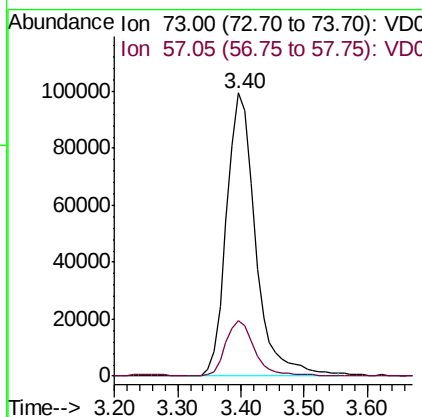
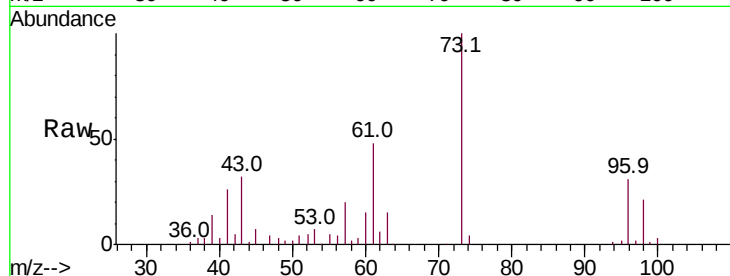


#19

Methyl tert-butyl Ether
 Concen: 52.325 ug/l
 RT: 3.40 min Scan# 322
 Delta R.T. 0.00 min
 Lab File: VD059787.D
 Acq: 15 Aug 2018 2:44

Instrument :
 MSVOA_D
 ClientSampled :

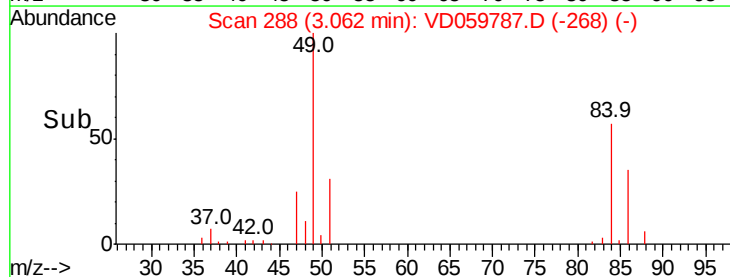
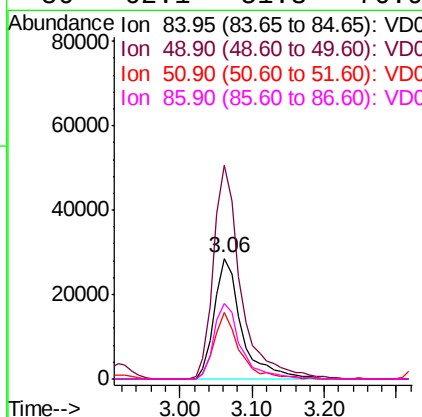
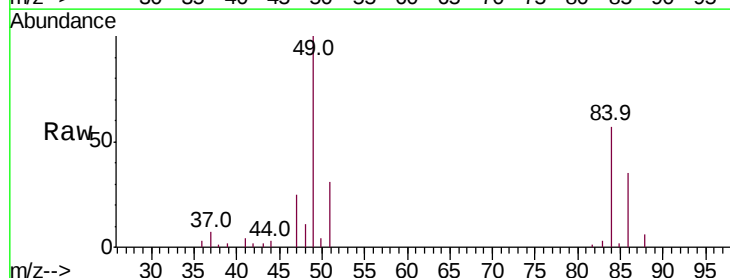
Tot Ion: 73 Resp: 317977
 Ion Ratio Lower Upper
 73 100
 57 19.7 14.8 22.2

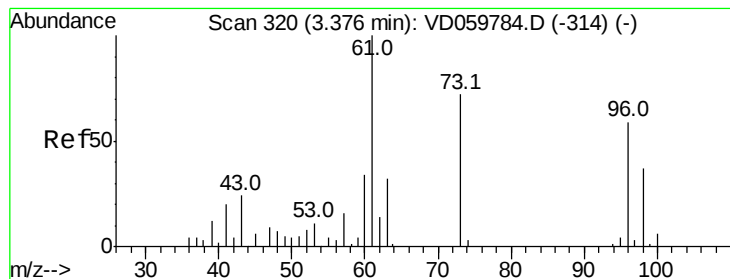


#20

Methylene Chloride
 Concen: 49.306 ug/l
 RT: 3.06 min Scan# 288
 Delta R.T. 0.00 min
 Lab File: VD059787.D
 Acq: 15 Aug 2018 2:44

Tgt Ion: 84 Resp: 74816
 Ion Ratio Lower Upper
 84 100
 49 176.8 140.9 211.3
 51 55.1 42.8 64.2
 86 62.1 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 52.466 ug/l

RT: 3.38 min Scan# 320

Delta R.T. 0.00 min

Lab File: VD059787.D

Acq: 15 Aug 2018 2:44

Instrument :

MSVOA_D

ClientSampled :

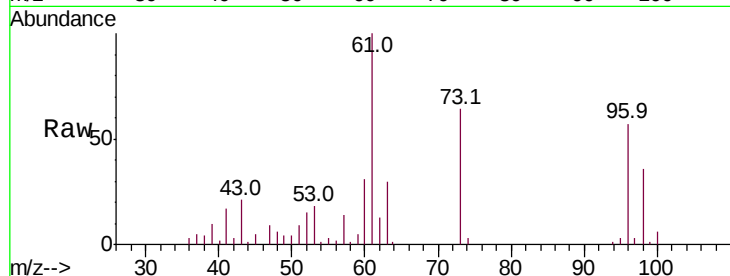
Tot Ion: 96 Resp: 128713

Ion Ratio Lower Upper

96 100

61 175.4 134.8 202.2

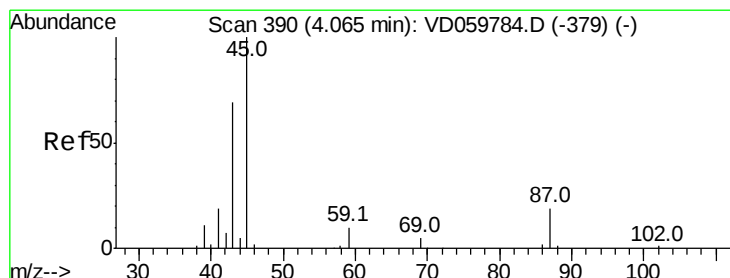
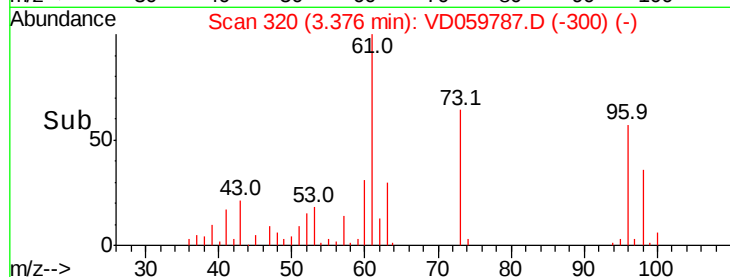
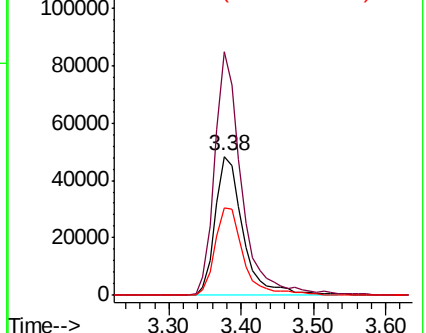
98 63.0 50.0 75.0



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 54.124 ug/l

RT: 4.07 min Scan# 390

Delta R.T. 0.00 min

Lab File: VD059787.D

Acq: 15 Aug 2018 2:44

Tgt Ion: 45 Resp: 456792

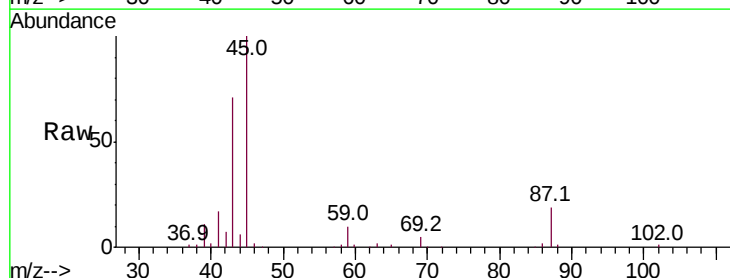
Ion Ratio Lower Upper

45 100

43 71.0 57.5 86.3

87 19.1 16.1 24.1

59 9.8 8.4 12.6

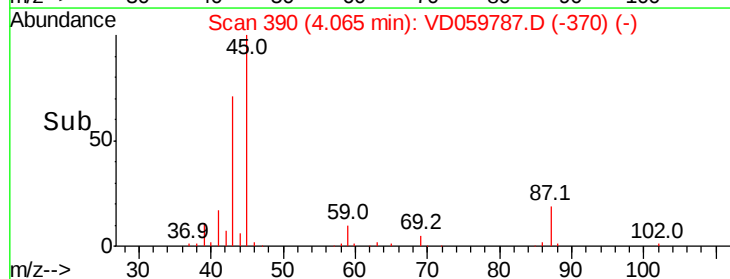
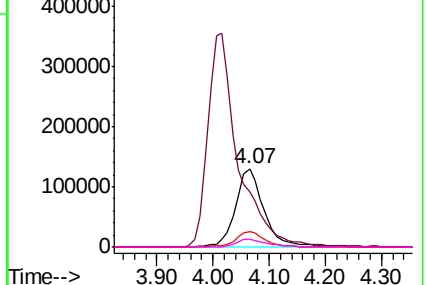


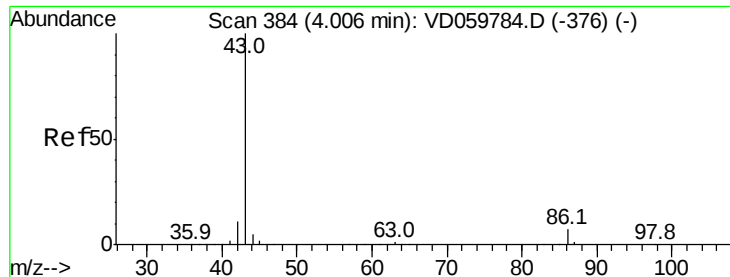
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 278.264 ug/l

RT: 4.02 min Scan# 385

Delta R.T. 0.01 min

Lab File: VD059787.D

Acq: 15 Aug 2018 2:44

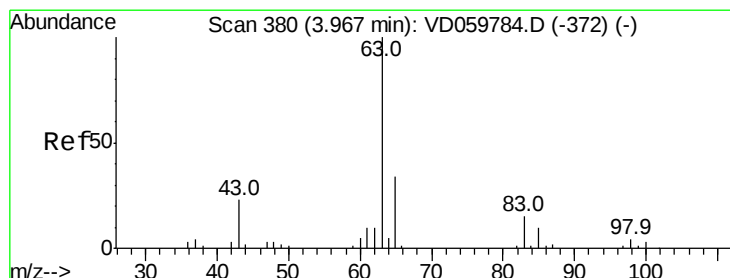
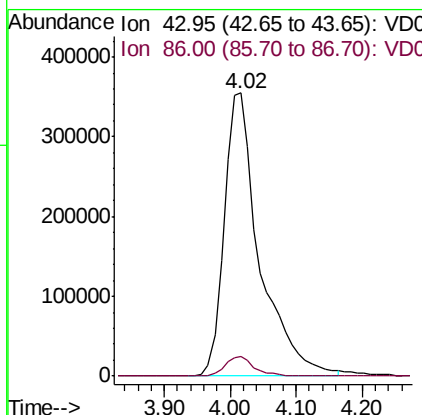
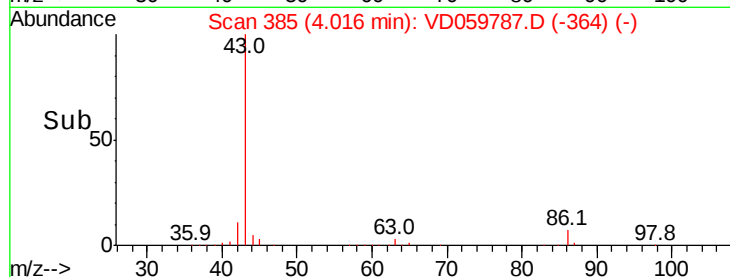
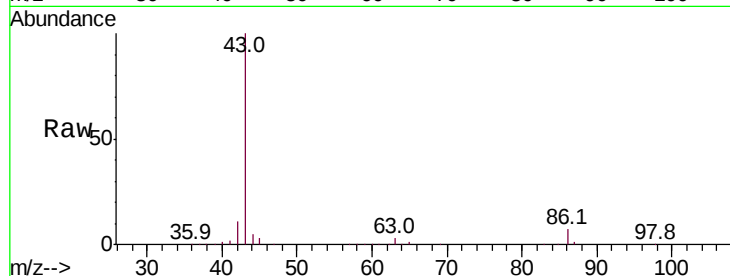
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 1330018

Ion Ratio Lower Upper

43 100

86 6.7 5.4 8.0



#24

1,1-Dichloroethane

Concen: 53.279 ug/l

RT: 3.97 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD059787.D

Acq: 15 Aug 2018 2:44

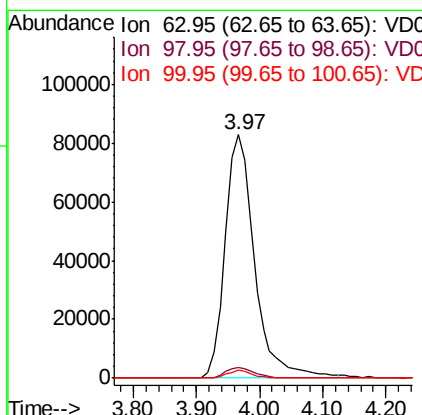
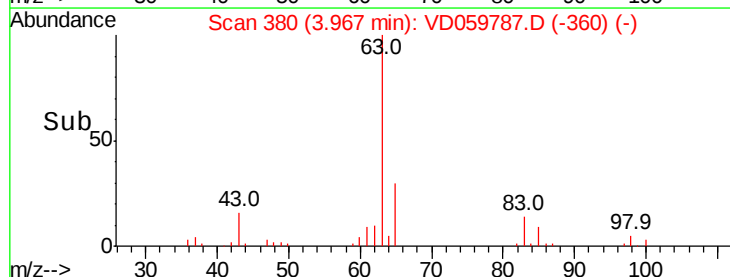
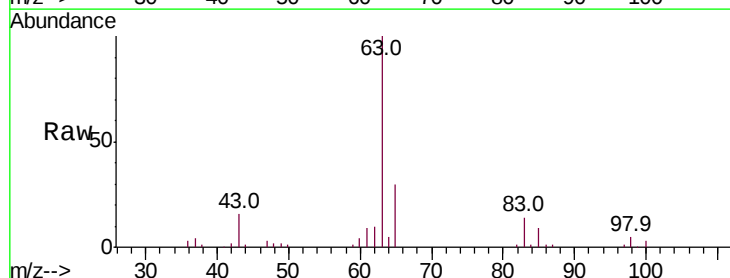
Tgt Ion: 63 Resp: 266759

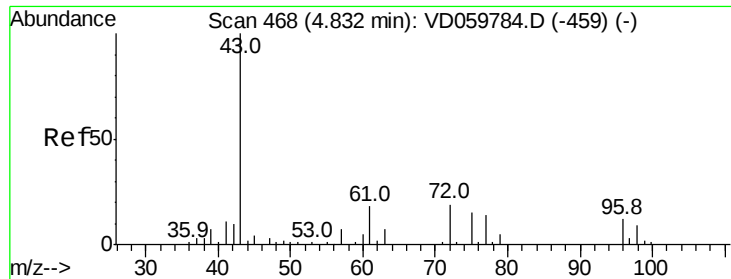
Ion Ratio Lower Upper

63 100

98 4.5 2.2 6.6

100 3.2 1.6 4.7





#25

2-Butanone

Concen: 304.957 ug/l

RT: 4.82 min Scan# 467

Delta R.T. -0.01 min

Lab File: VD059787.D

Acq: 15 Aug 2018 2:44

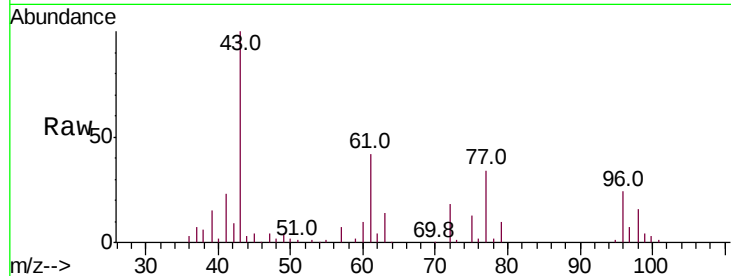
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 261147

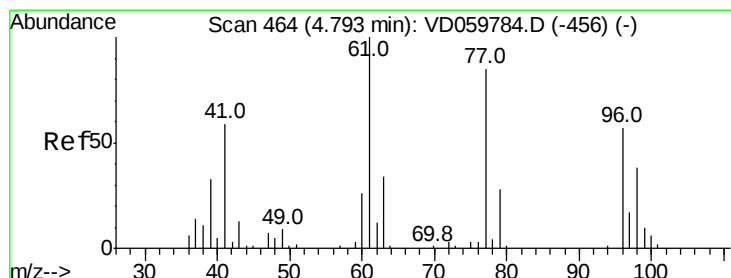
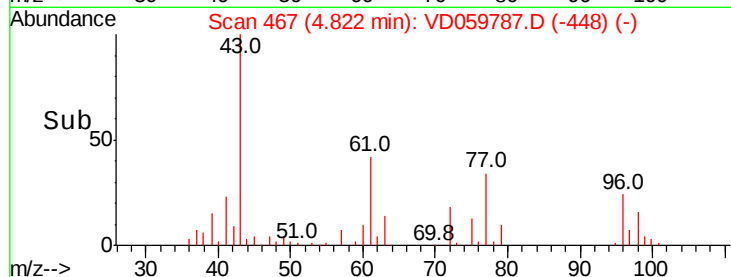
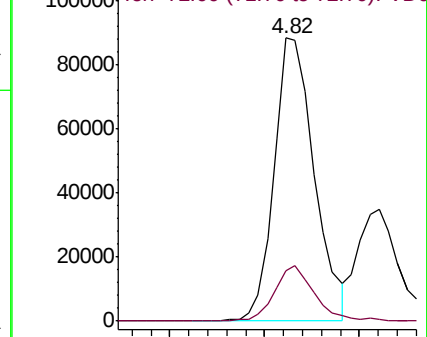
Ion Ratio Lower Upper

43 100

72 18.0 14.9 22.3



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 49.895 ug/l

RT: 4.79 min Scan# 464

Delta R.T. 0.00 min

Lab File: VD059787.D

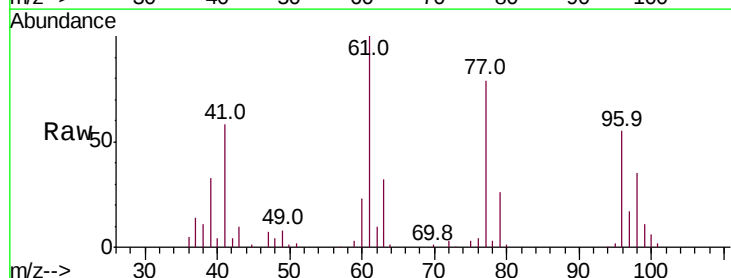
Acq: 15 Aug 2018 2:44

Tgt Ion: 77 Resp: 228437

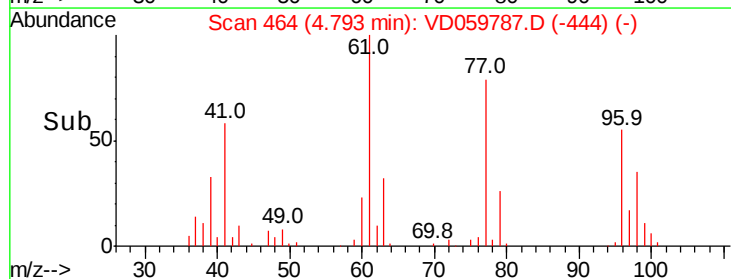
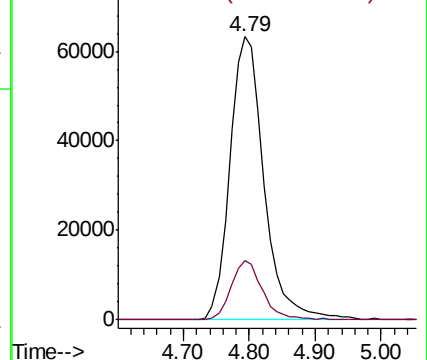
Ion Ratio Lower Upper

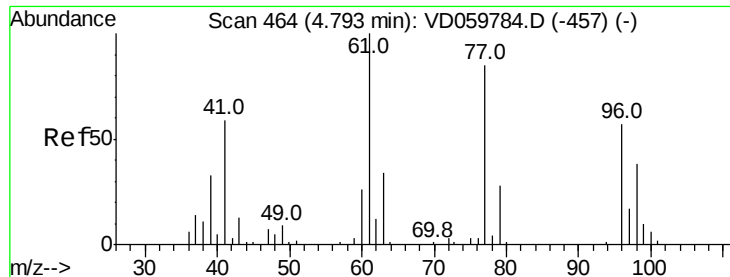
77 100

97 21.1 10.3 30.8



Abundance Ion 76.95 (76.65 to 77.65): VDC
Ion 96.85 (96.55 to 97.55): VDC



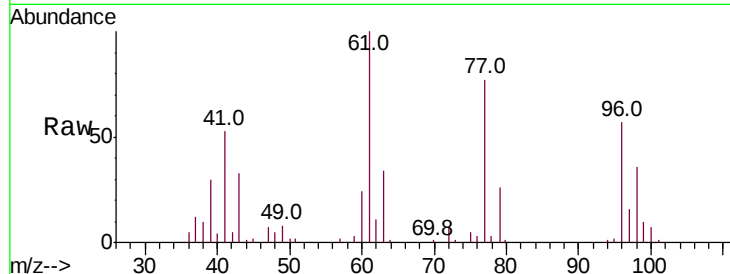


#27

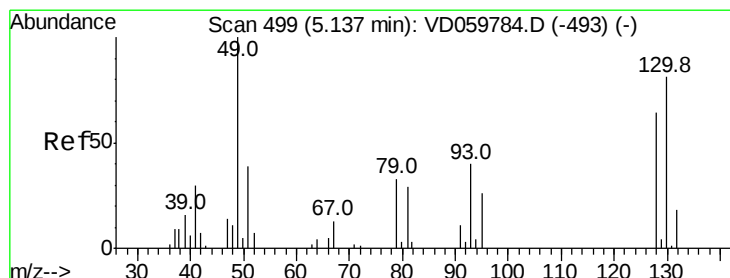
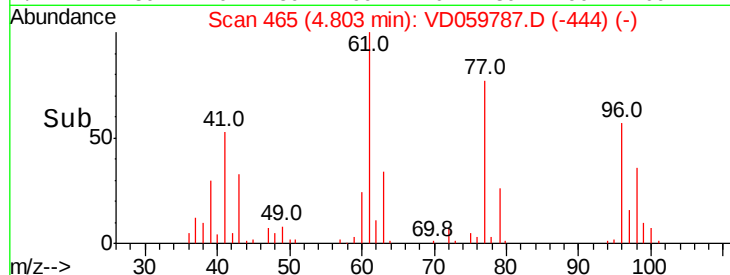
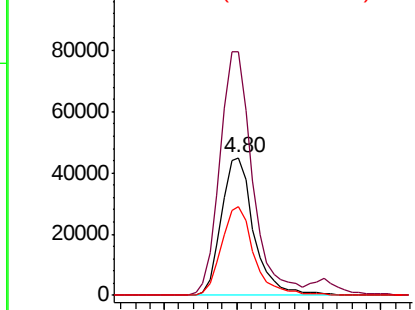
cis-1,2-Dichloroethene
Concen: 52.263 ug/l
RT: 4.80 min Scan# 465
Delta R.T. 0.01 min
Lab File: VD059787.D
Acq: 15 Aug 2018 2:44

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 96 Resp: 140481
Ion Ratio Lower Upper
96 100
61 176.6 0.0 351.6
98 64.1 0.0 135.2



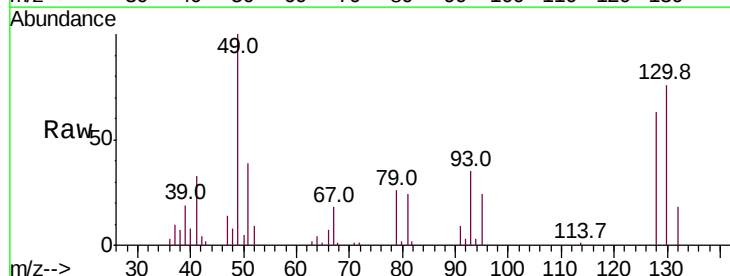
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



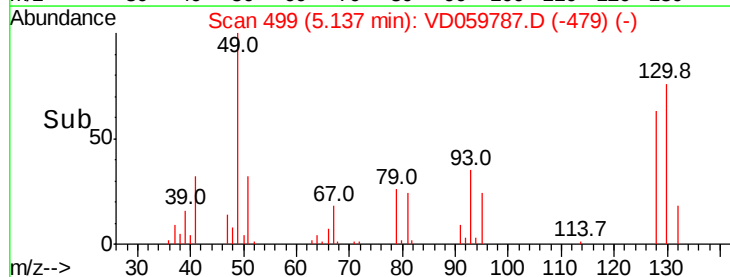
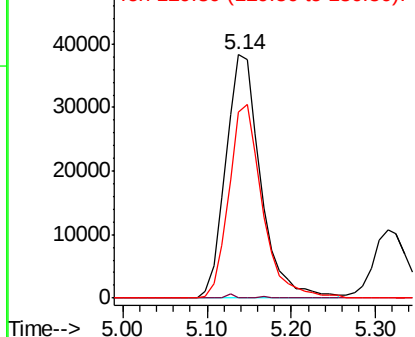
#28

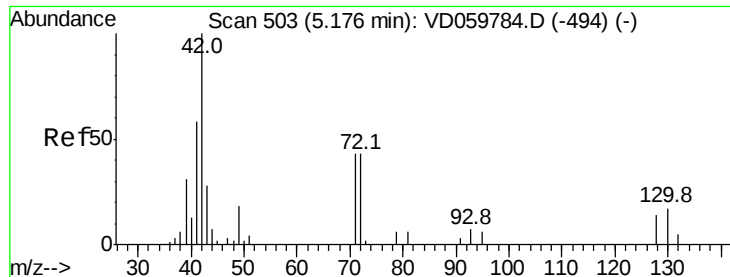
Bromochloromethane
Concen: 56.161 ug/l
RT: 5.14 min Scan# 499
Delta R.T. 0.00 min
Lab File: VD059787.D
Acq: 15 Aug 2018 2:44

Tgt Ion: 49 Resp: 110334
Ion Ratio Lower Upper
49 100
129 0.0 0.0 7.0
130 76.5 64.8 97.2



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

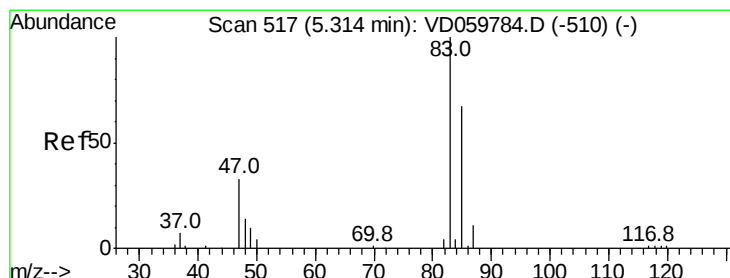
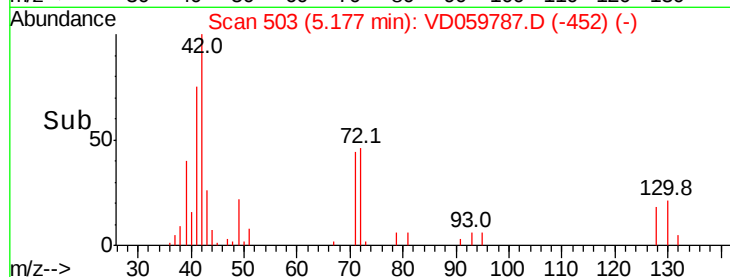
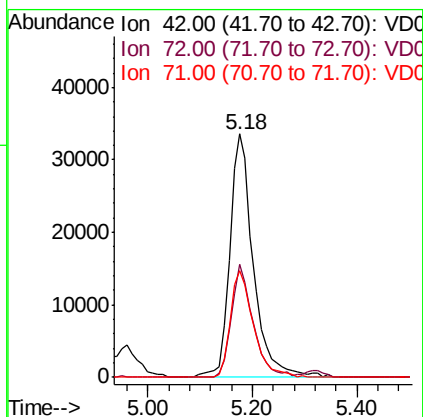
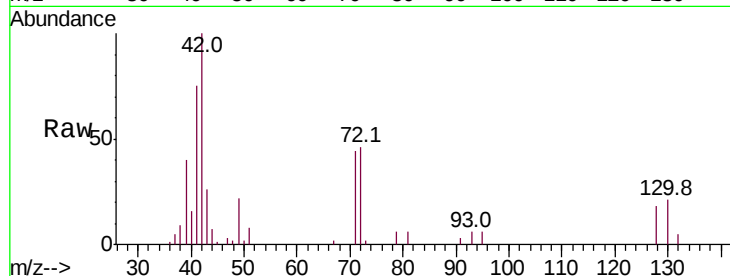




#29
Tetrahydrofuran
Concen: 280.788 ug/l
RT: 5.18 min Scan# 503
Delta R.T. 0.00 min
Lab File: VD059787.D
Acq: 15 Aug 2018 2:44

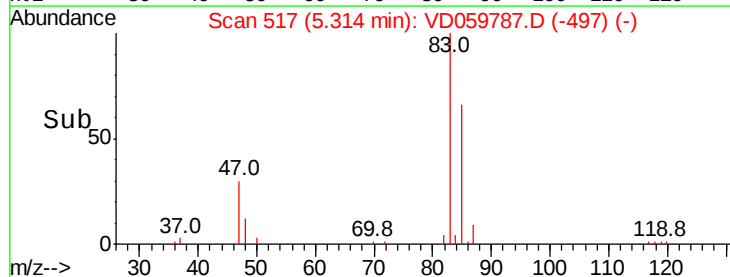
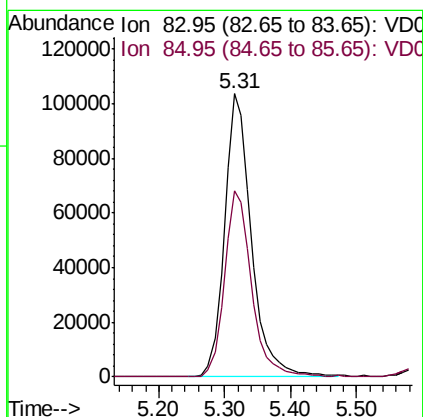
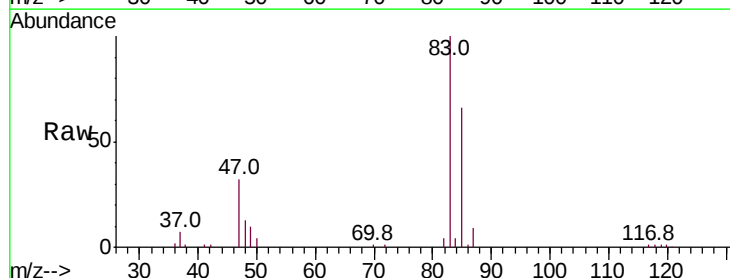
Instrument :
MSVOA_D
ClientSampleId :

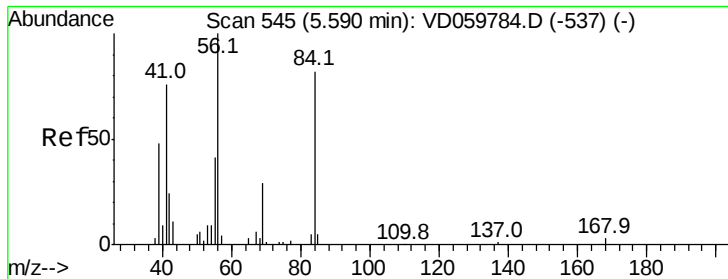
Tot Ion: 42 Resp: 102589
Ion Ratio Lower Upper
42 100
72 42.5 34.3 51.5
71 42.7 33.0 49.6



#30
Chloroform
Concen: 49.001 ug/l
RT: 5.31 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD059787.D
Acq: 15 Aug 2018 2:44

Tgt Ion: 83 Resp: 294594
Ion Ratio Lower Upper
83 100
85 66.0 53.4 80.2

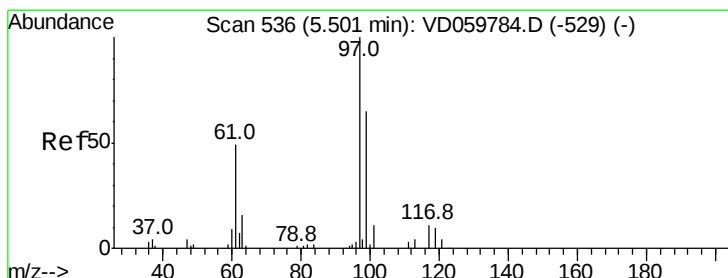
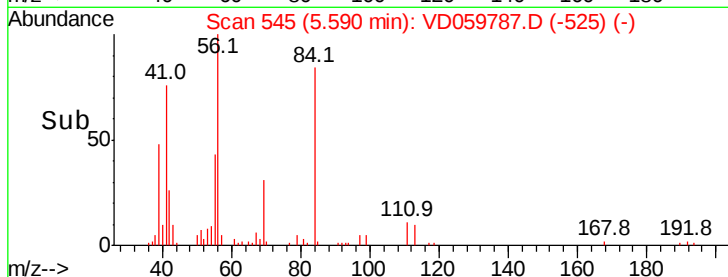
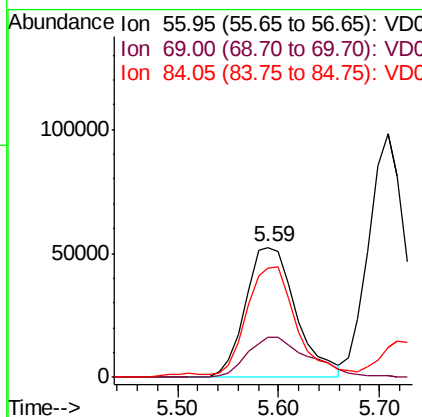
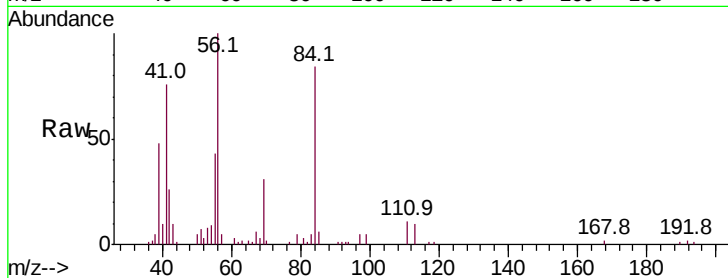




#31
Cyclohexane
Concen: 50.903 ug/l
RT: 5.59 min Scan# 545
Delta R.T. 0.00 min
Lab File: VD059787.D
Acq: 15 Aug 2018 2:44

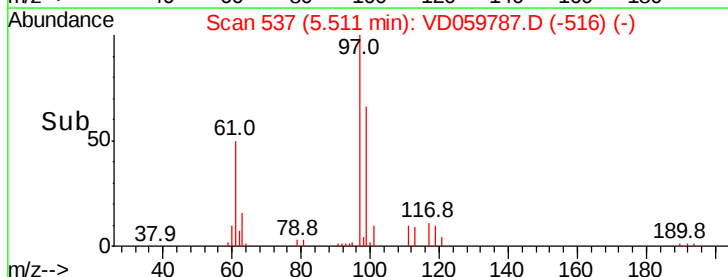
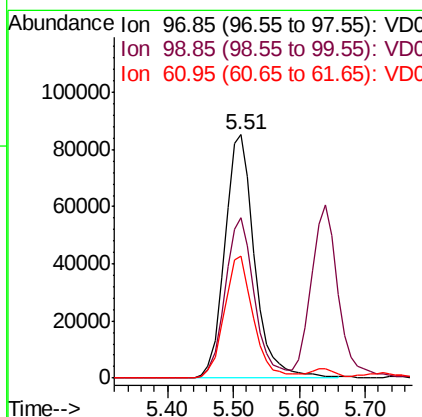
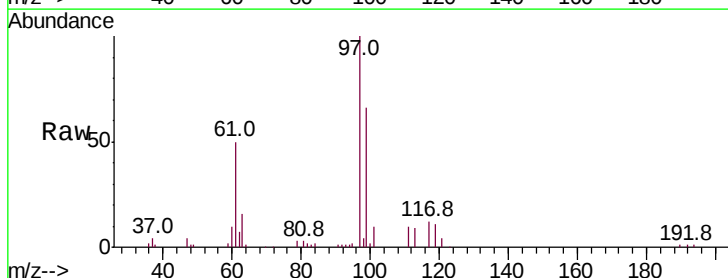
Instrument :
MSVOA_D
ClientSampleId :

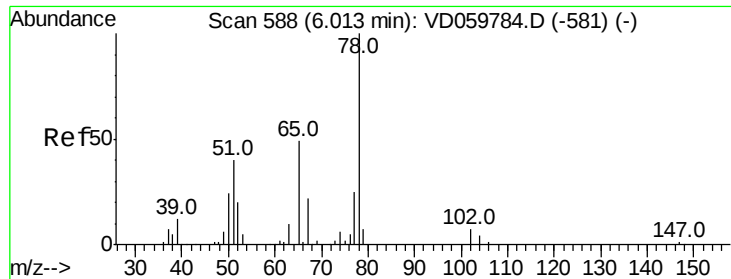
Tot Ion: 56 Resp: 183300
Ion Ratio Lower Upper
56 100
69 30.5 23.4 35.2
84 84.2 65.4 98.2



#32
1,1,1-Trichloroethane
Concen: 50.989 ug/l
RT: 5.51 min Scan# 537
Delta R.T. 0.01 min
Lab File: VD059787.D
Acq: 15 Aug 2018 2:44

Tgt Ion: 97 Resp: 269530
Ion Ratio Lower Upper
97 100
99 66.1 52.2 78.2
61 49.9 39.6 59.4

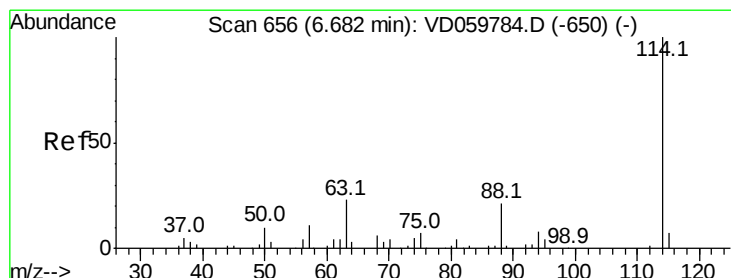
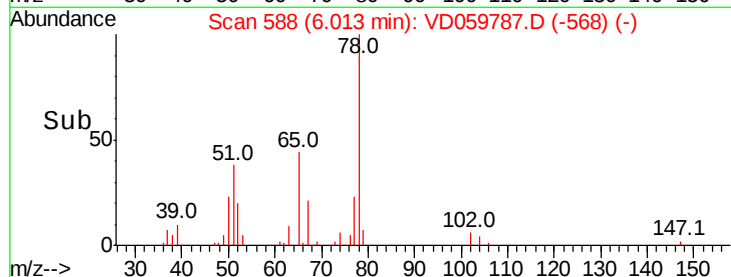
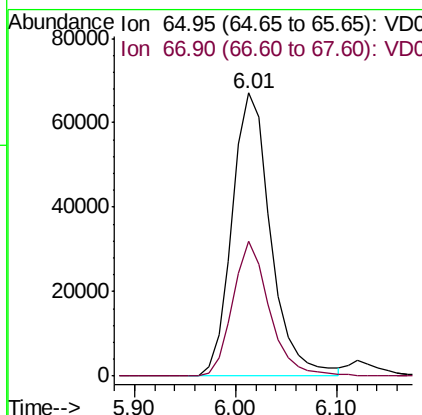
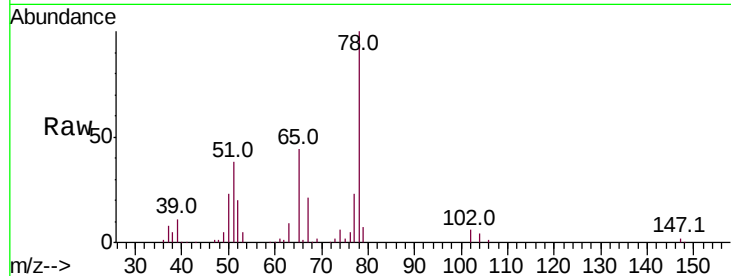




#33
 1,2-Dichloroethane-d4
 Concen: 50.989 ug/l
 RT: 6.01 min Scan# 588
 Delta R.T. 0.00 min
 Lab File: VD059787.D
 Acq: 15 Aug 2018 2:44

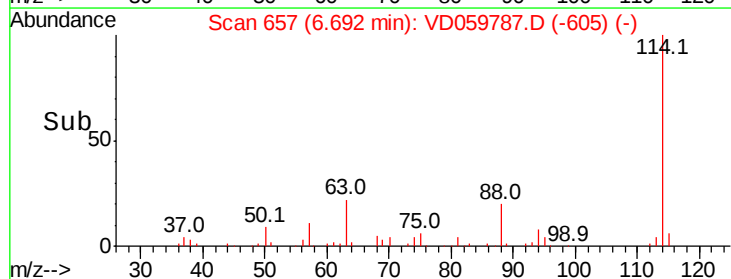
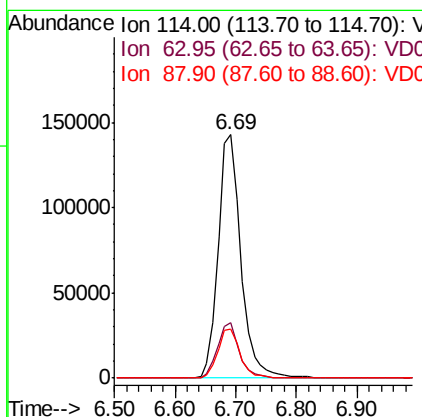
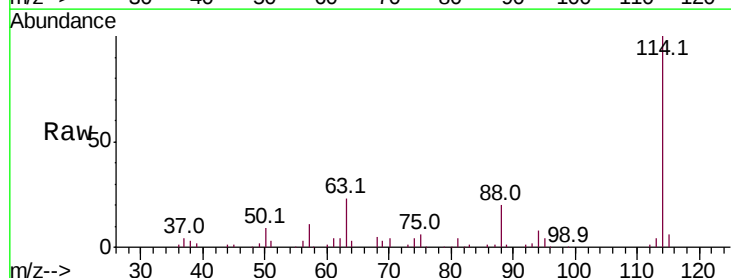
Instrument :
 MSVOA_D
 ClientSampleId :

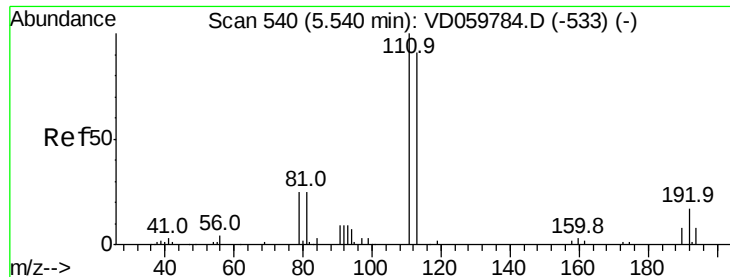
Tot Ion: 65 Resp: 179067
 Ion Ratio Lower Upper
 65 100
 67 47.5 0.0 87.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.69 min Scan# 657
 Delta R.T. 0.01 min
 Lab File: VD059787.D
 Acq: 15 Aug 2018 2:44

Tgt Ion: 114 Resp: 371913
 Ion Ratio Lower Upper
 114 100
 63 22.8 0.0 45.0
 88 20.1 0.0 41.2





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.54 min Scan# 540

Delta R.T. 0.00 min

Lab File: VD059787.D

Acq: 15 Aug 2018 2:44

Instrument :
MSVOA_D
ClientSampleId :

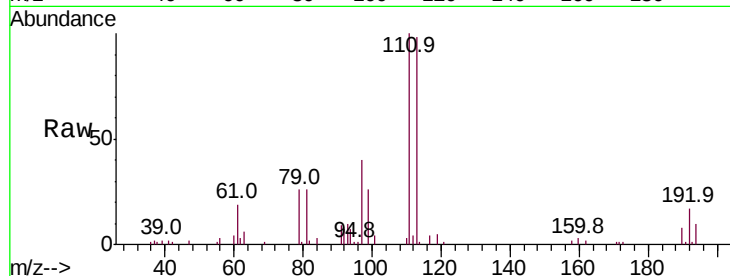
Tot Ion:113 Resp: 166855

Ion Ratio Lower Upper

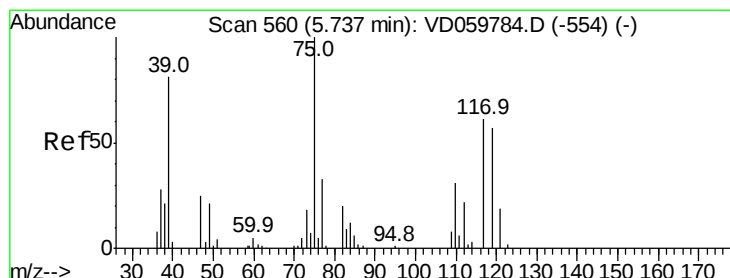
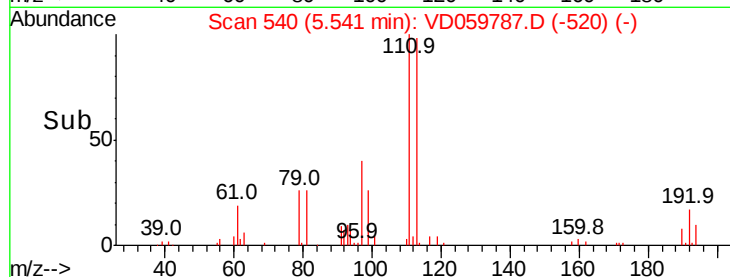
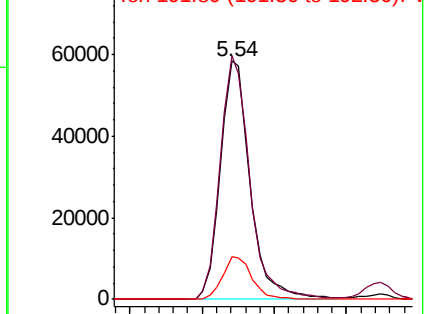
113 100

111 102.1 87.7 131.5

192 17.8 14.6 21.8



Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 51.533 ug/l

RT: 5.75 min Scan# 561

Delta R.T. 0.01 min

Lab File: VD059787.D

Acq: 15 Aug 2018 2:44

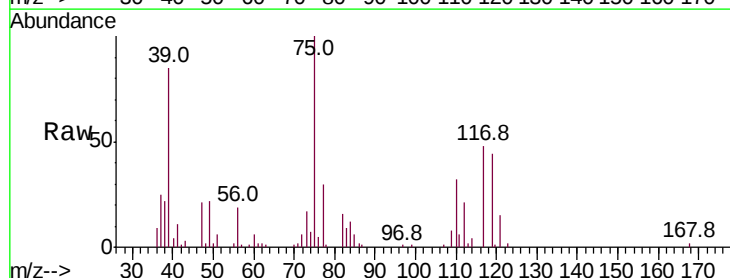
Tgt Ion: 75 Resp: 196637

Ion Ratio Lower Upper

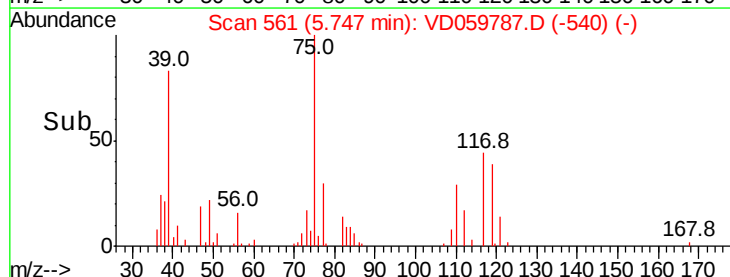
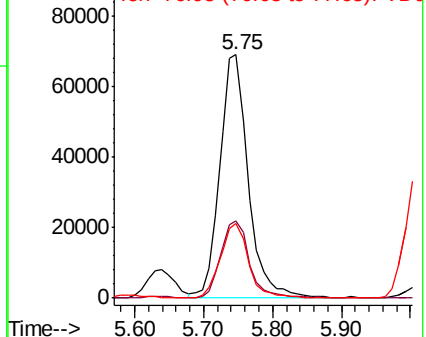
75 100

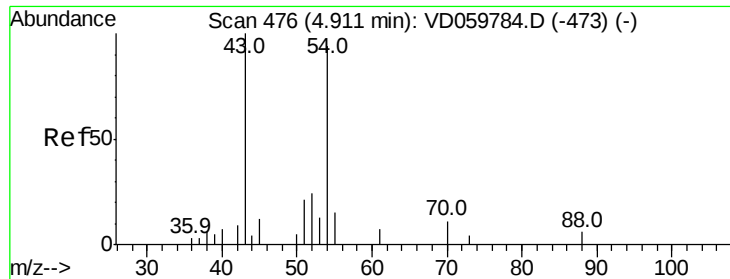
110 31.8 15.3 45.8

77 30.5 26.2 39.4



Abundance Ion 75.00 (74.70 to 75.70): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): V

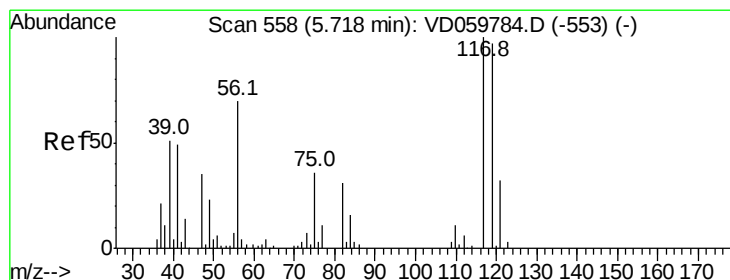
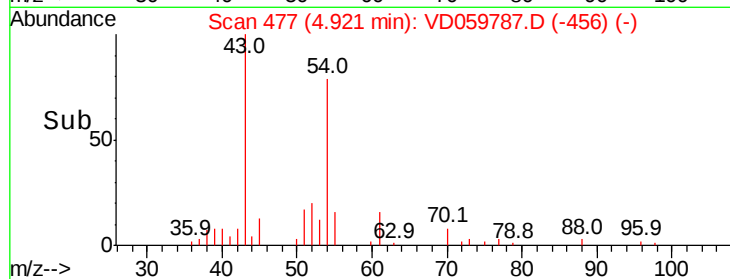
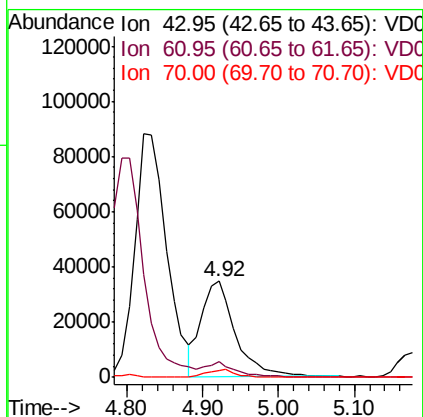
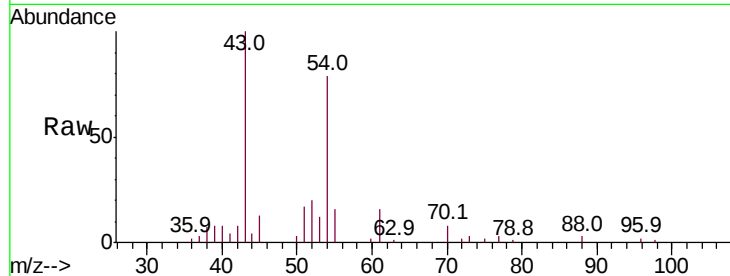




#37
Ethyl Acetate
Concen: 57.098 ug/l
RT: 4.92 min Scan# 477
Delta R.T. 0.01 min
Lab File: VD059787.D
Acq: 15 Aug 2018 2:44

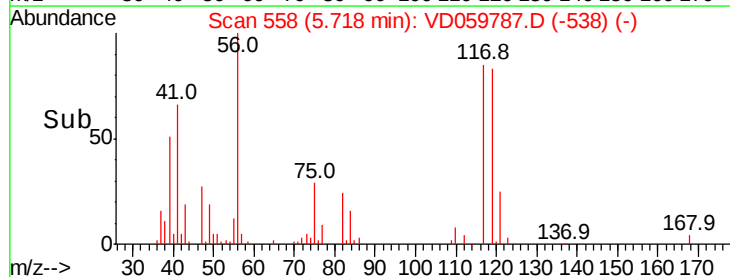
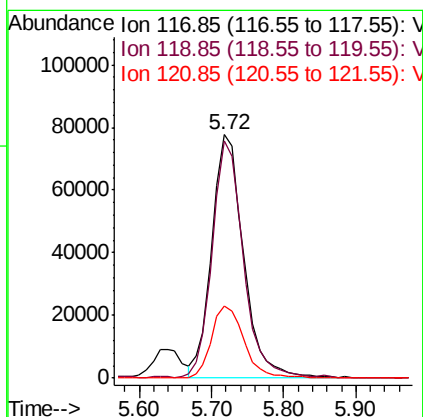
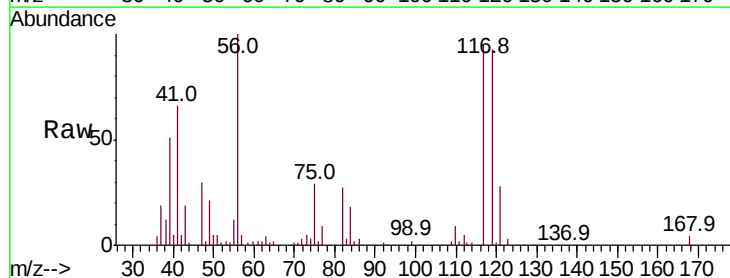
Instrument :
MSVOA_D
ClientSampled :

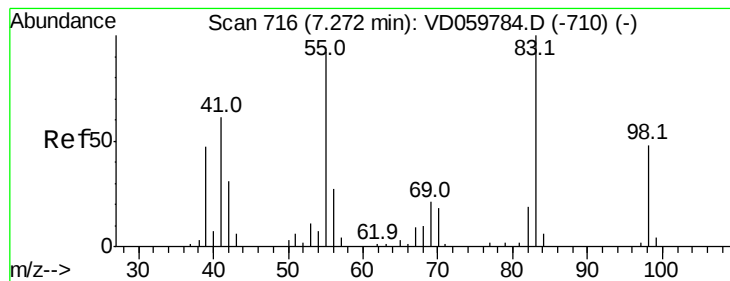
Tot Ion: 43 Resp: 108969
Ion Ratio Lower Upper
43 100
61 15.7 10.2 15.2#
70 7.5 5.8 8.8



#38
Carbon Tetrachloride
Concen: 50.726 ug/l
RT: 5.72 min Scan# 558
Delta R.T. 0.00 min
Lab File: VD059787.D
Acq: 15 Aug 2018 2:44

Tgt Ion: 117 Resp: 233518
Ion Ratio Lower Upper
117 100
119 97.4 75.7 113.5
121 29.6 24.7 37.1





#39

Methylcyclohexane

Concen: 54.656 ug/l

RT: 7.28 min Scan# 717

Delta R.T. 0.01 min

Lab File: VD059787.D

Acq: 15 Aug 2018 2:44

Instrument :
MSVOA_D
ClientSampled :

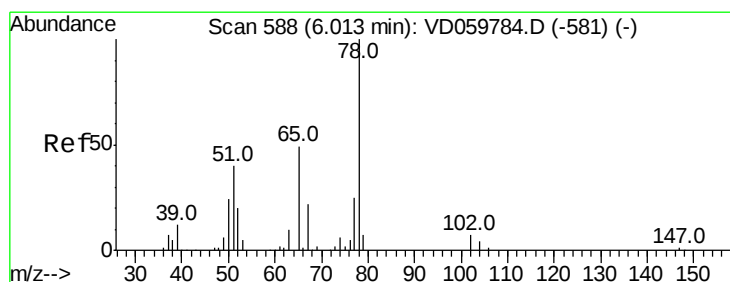
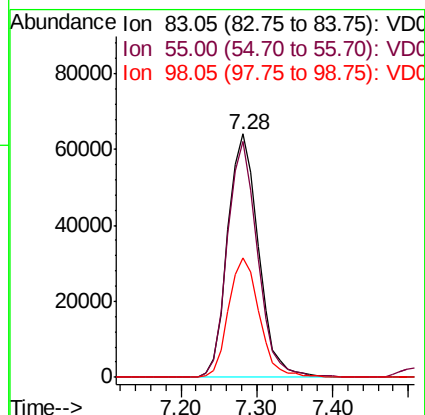
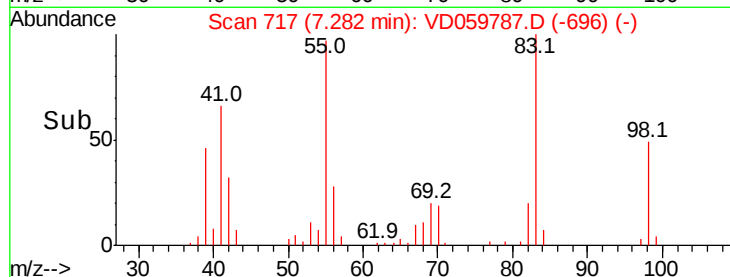
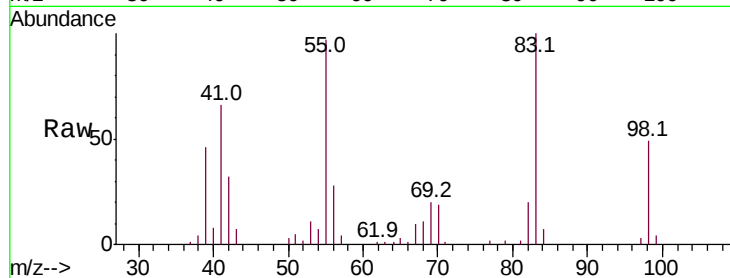
Tot Ion: 83 Resp: 180408

Ion Ratio Lower Upper

83 100

55 96.7 73.8 110.6

98 49.2 38.4 57.6



#40

Benzene

Concen: 53.041 ug/l

RT: 6.01 min Scan# 588

Delta R.T. 0.00 min

Lab File: VD059787.D

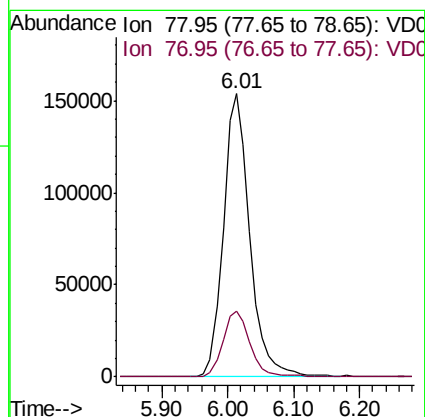
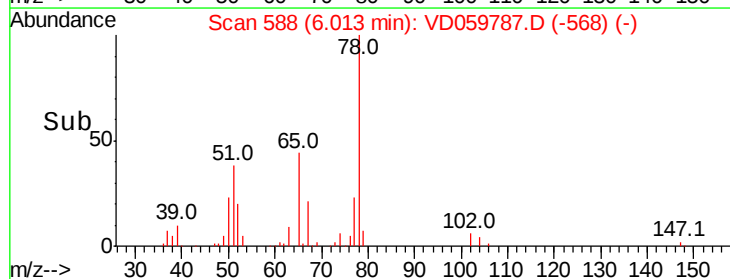
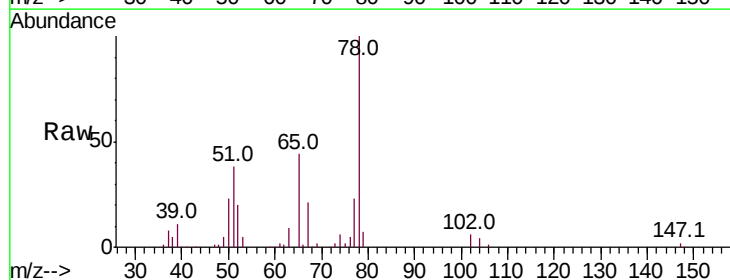
Acq: 15 Aug 2018 2:44

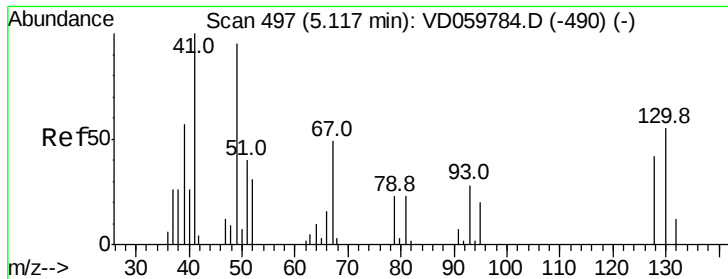
Tgt Ion: 78 Resp: 429299

Ion Ratio Lower Upper

78 100

77 23.1 19.6 29.4





#41

Methacrylonitrile

Concen: 59.989 ug/l

RT: 5.12 min Scan# 497

Delta R.T. 0.00 min

Lab File: VD059787.D

Acq: 15 Aug 2018 2:44

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 41 Resp: 54773

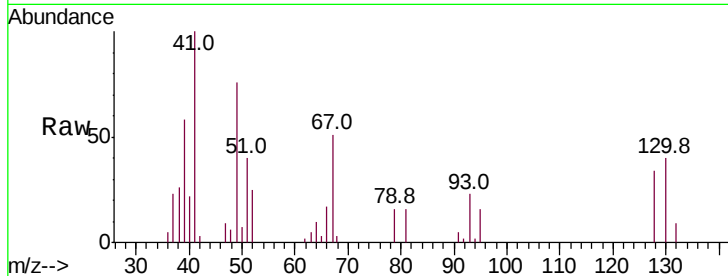
Ion Ratio Lower Upper

41 100

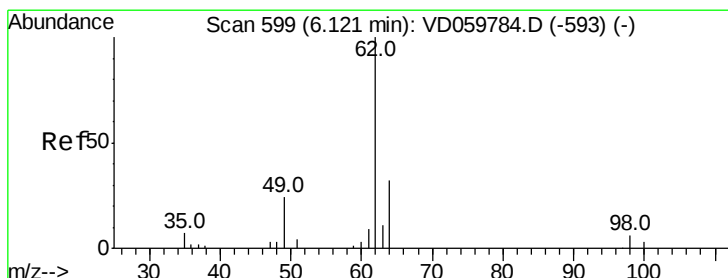
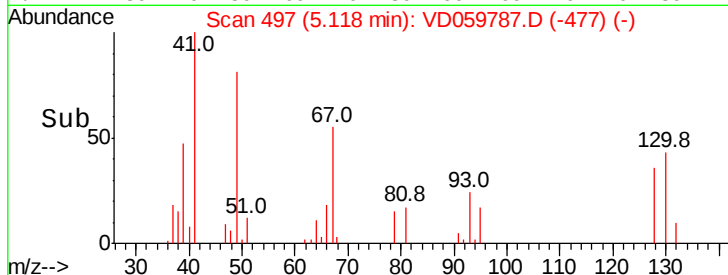
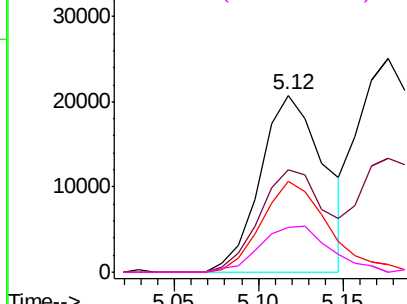
39 57.7 45.4 68.2

67 51.4 39.5 59.3

52 25.5 24.8 37.2



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



#42

1,2-Dichloroethane

Concen: 52.722 ug/l

RT: 6.12 min Scan# 599

Delta R.T. 0.00 min

Lab File: VD059787.D

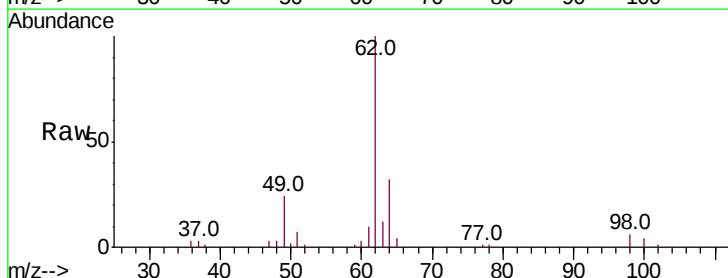
Acq: 15 Aug 2018 2:44

Tgt Ion: 62 Resp: 230934

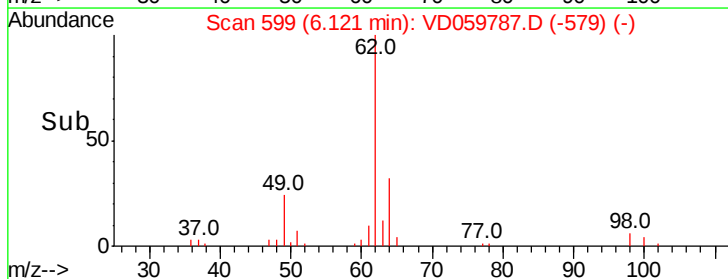
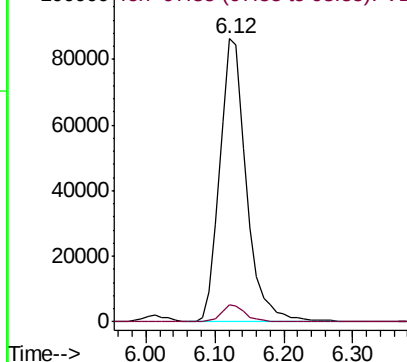
Ion Ratio Lower Upper

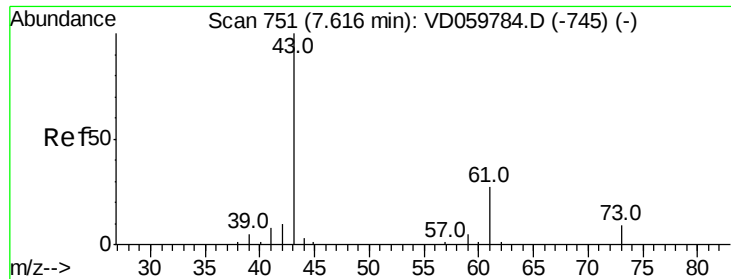
62 100

98 6.1 0.0 12.0



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



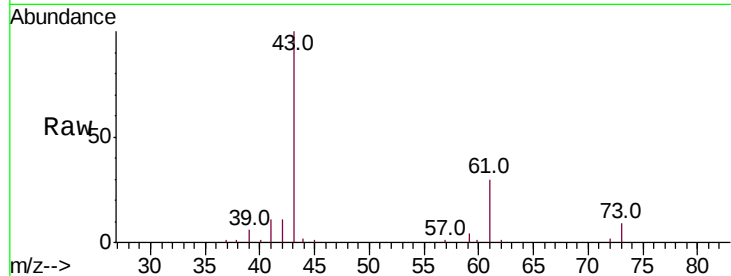


#43

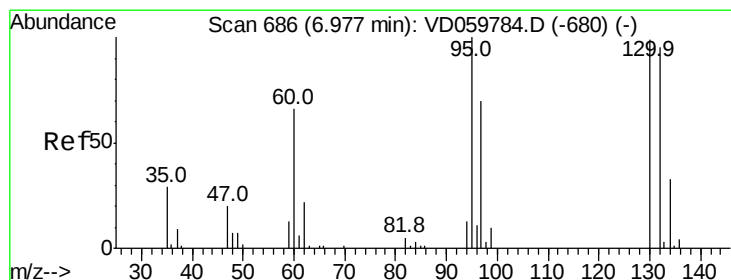
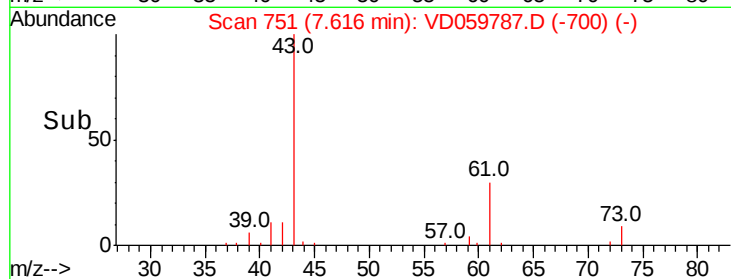
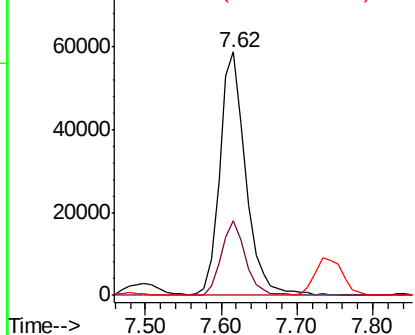
Isopropyl Acetate
 Concen: 57.783 ug/l
 RT: 7.62 min Scan# 751
 Delta R.T. 0.00 min
 Lab File: VD059787.D
 Acq: 15 Aug 2018 2:44

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 43 Resp: 139258
 Ion Ratio Lower Upper
 43 100
 61 30.5 21.2 31.8
 87 0.0 0.0 0.0



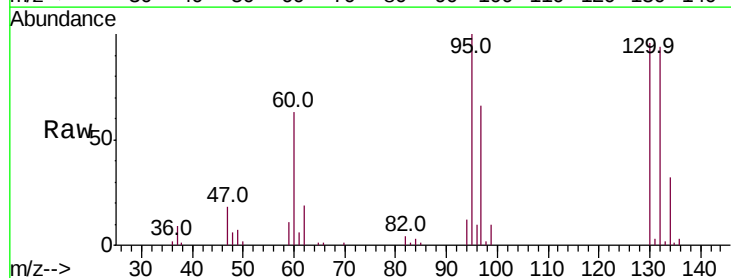
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



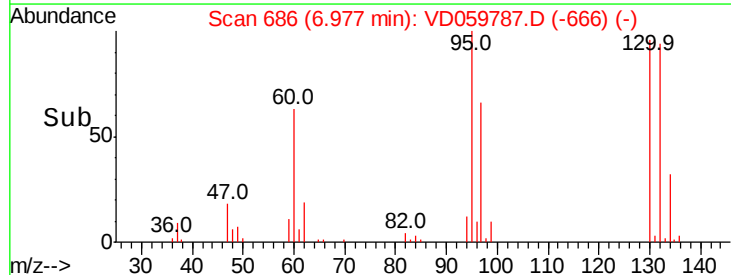
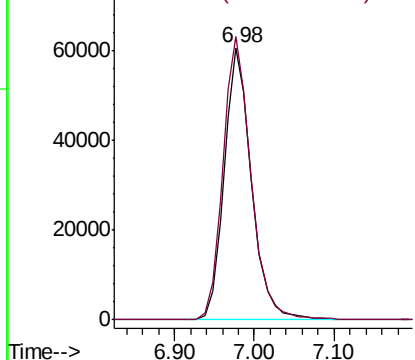
#44

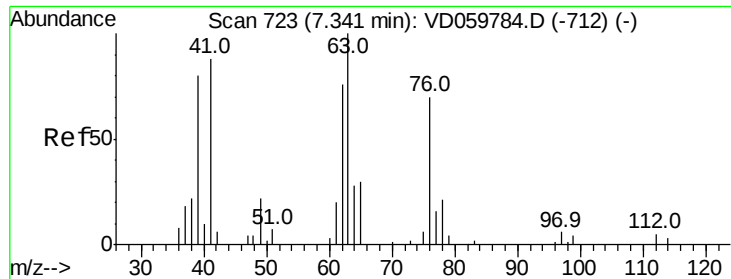
Trichloroethene
 Concen: 52.518 ug/l
 RT: 6.98 min Scan# 686
 Delta R.T. 0.00 min
 Lab File: VD059787.D
 Acq: 15 Aug 2018 2:44

Tgt Ion:130 Resp: 145552
 Ion Ratio Lower Upper
 130 100
 95 103.9 0.0 201.2



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





#45

1,2-Dichloropropane

Concen: 54.507 ug/l

RT: 7.35 min Scan# 724

Delta R.T. 0.01 min

Lab File: VD059787.D

Acq: 15 Aug 2018 2:44

Instrument :

MSVOA_D

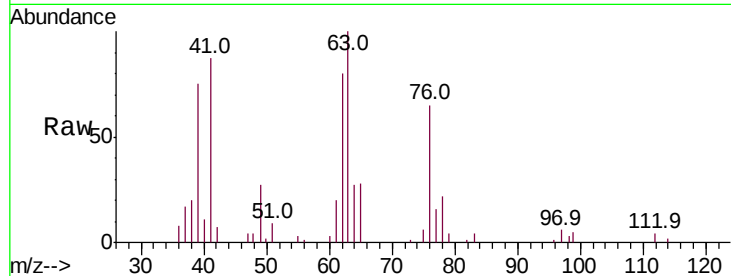
ClientSampleId :

Tot Ion: 63 Resp: 114669

Ion Ratio Lower Upper

63 100

65 28.3 24.2 36.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

7.35

40000

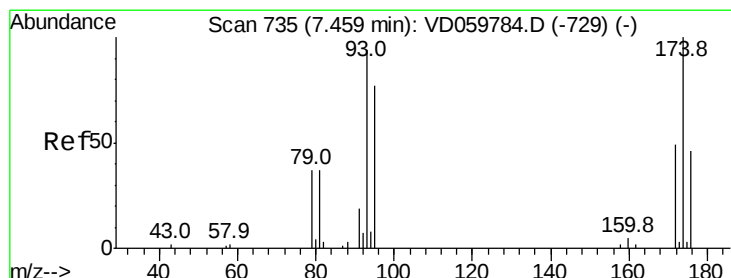
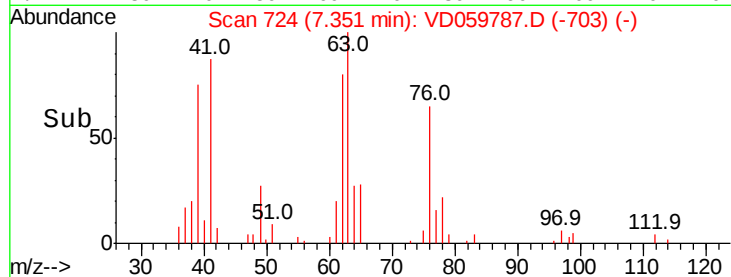
30000

20000

10000

0

Time--> 7.20 7.30 7.40 7.50



#46

Dibromomethane

Concen: 53.646 ug/l

RT: 7.46 min Scan# 735

Delta R.T. 0.00 min

Lab File: VD059787.D

Acq: 15 Aug 2018 2:44

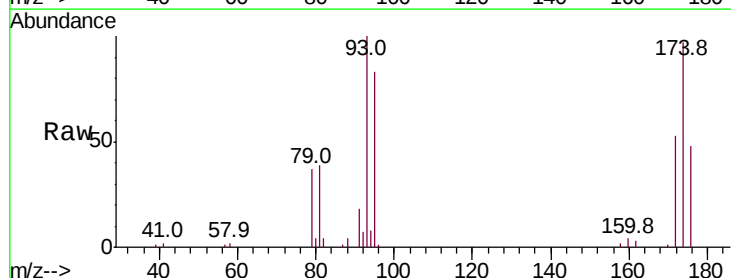
Tgt Ion: 93 Resp: 92304

Ion Ratio Lower Upper

93 100

95 82.7 66.2 99.4

174 97.1 85.5 128.3



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

7.46

40000

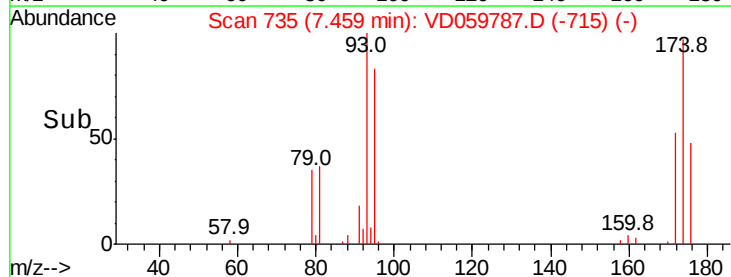
30000

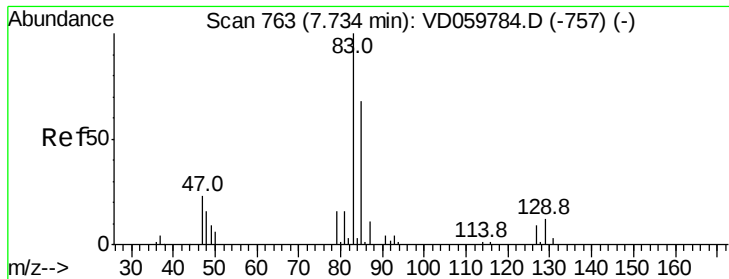
20000

10000

0

Time--> 7.40 7.50 7.60





#47

Bromodichloromethane

Concen: 51.410 ug/l

RT: 7.74 min Scan# 764

Delta R.T. 0.01 min

Lab File: VD059787.D

Acq: 15 Aug 2018 2:44

Instrument :

MSVOA_D

ClientSampleId :

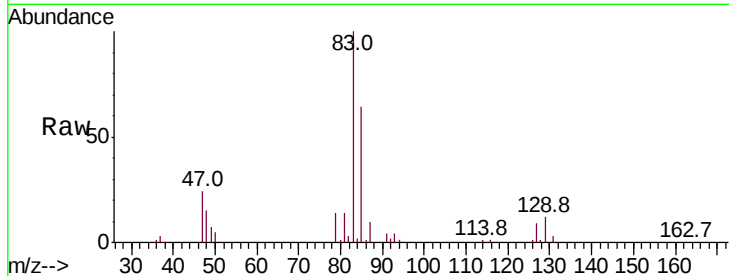
Tot Ion: 83 Resp: 216730

Ion Ratio Lower Upper

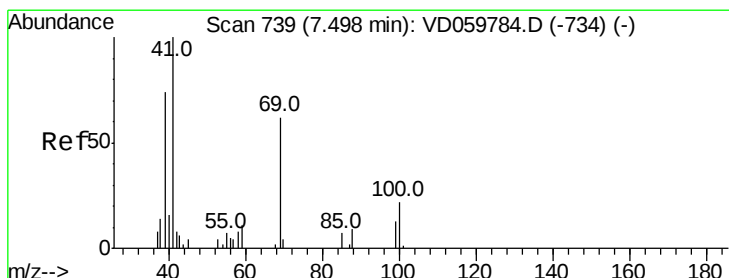
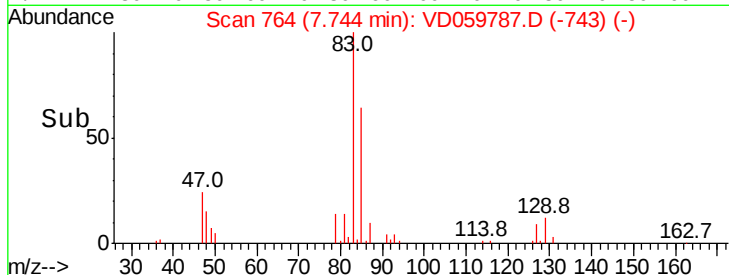
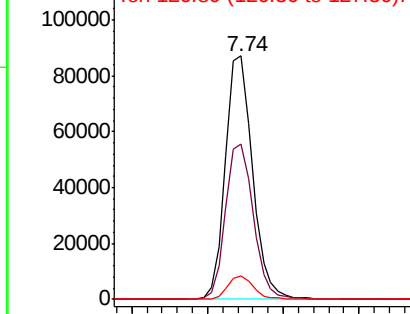
83 100

85 63.6 54.1 81.1

127 9.5 7.5 11.3



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: 59.867 ug/l

RT: 7.50 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD059787.D

Acq: 15 Aug 2018 2:44

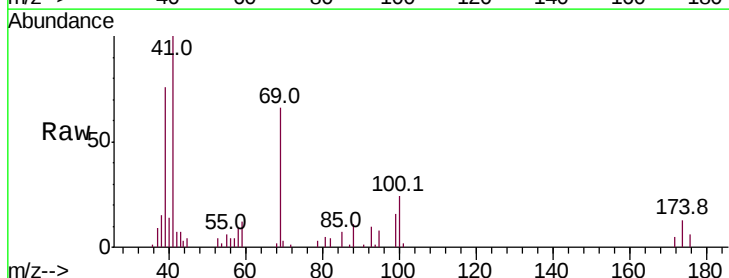
Tgt Ion: 41 Resp: 94146

Ion Ratio Lower Upper

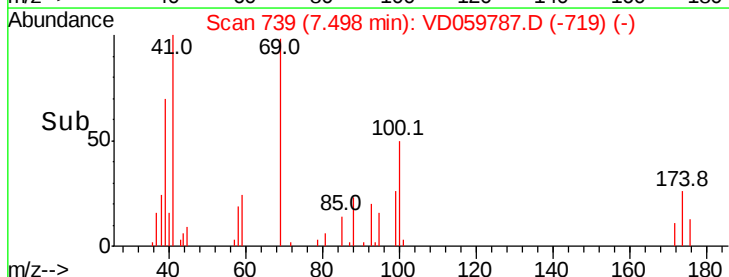
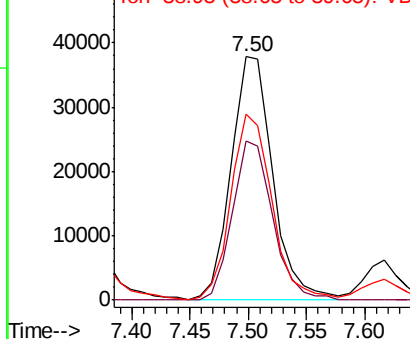
41 100

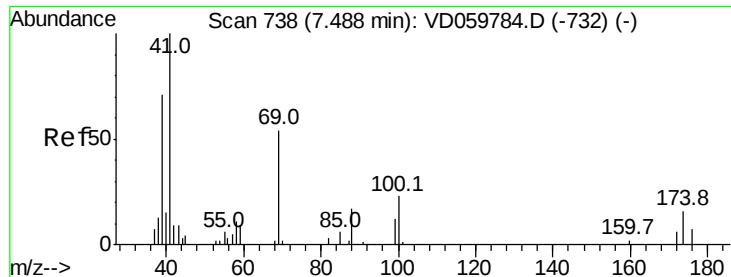
69 65.6 49.8 74.8

39 76.4 59.0 88.4



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

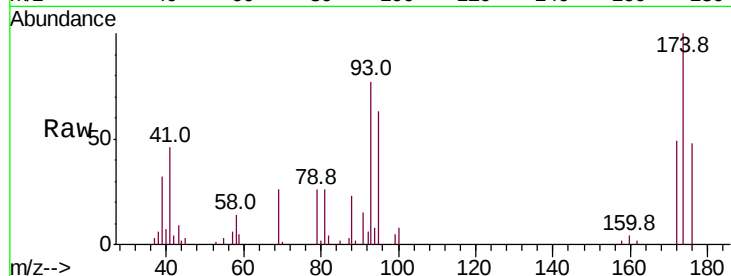




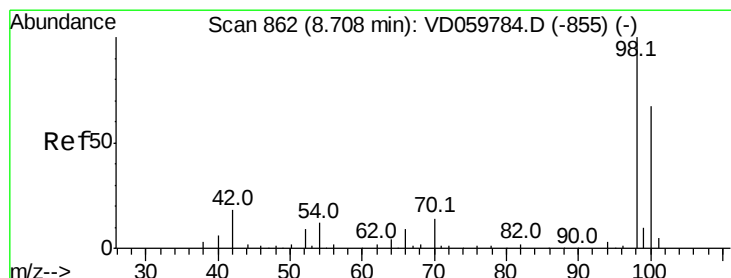
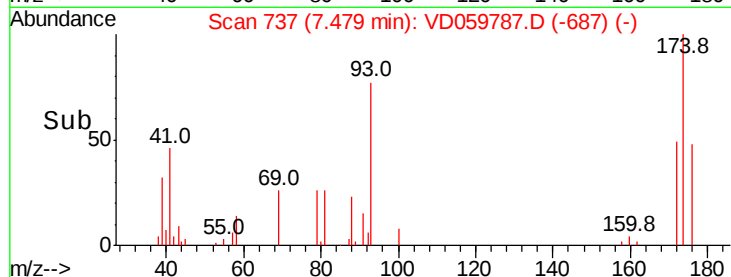
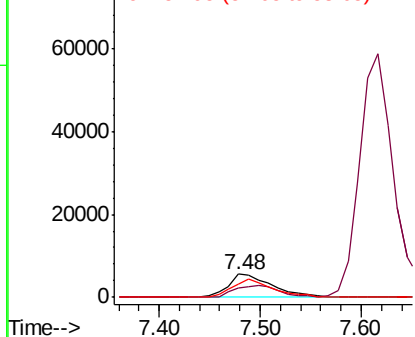
#49
1,4-Dioxane
Concen: 1225.479 ug/l
RT: 7.48 min Scan# 737
Delta R.T. -0.01 min
Lab File: VD059787.D
Acq: 15 Aug 2018 2:44

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 16972
Ion Ratio Lower Upper
88 100
43 40.7 42.0 63.0#
58 59.6 51.4 77.0

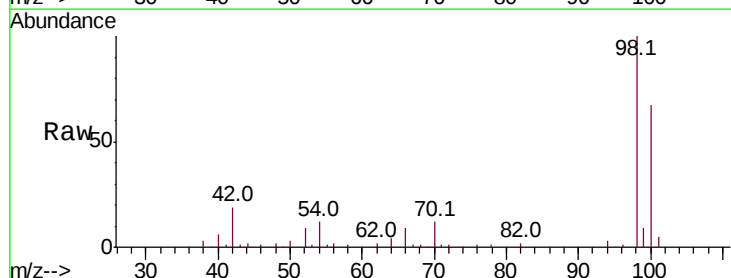


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

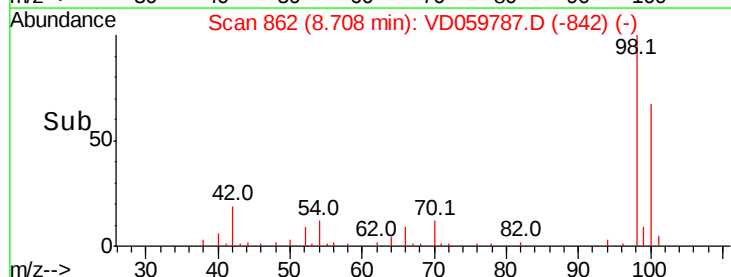
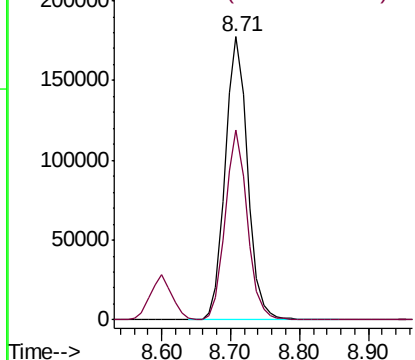


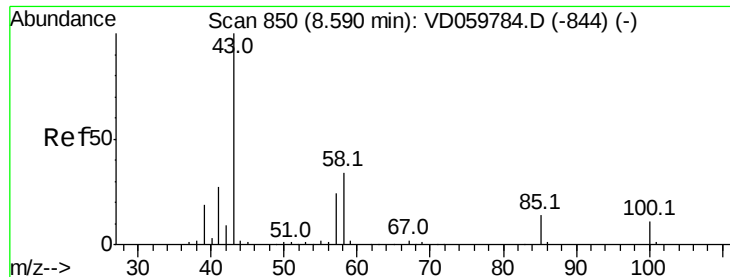
#50
Toluene-d8
Concen: 1225.479 ug/l
RT: 8.71 min Scan# 862
Delta R.T. 0.00 min
Lab File: VD059787.D
Acq: 15 Aug 2018 2:44

Tgt Ion: 98 Resp: 398884
Ion Ratio Lower Upper
98 100
100 67.0 54.2 81.4



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: 317.749 ug/l

RT: 8.60 min Scan# 851

Delta R.T. 0.01 min

Lab File: VD059787.D

Acq: 15 Aug 2018 2:44

Instrument :

MSVOA_D

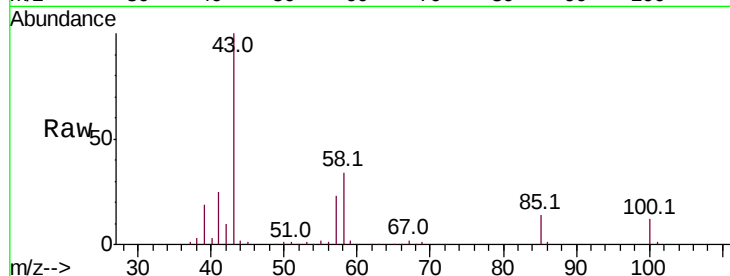
ClientSampleId :

Tot Ion: 43 Resp: 578850

Ion Ratio Lower Upper

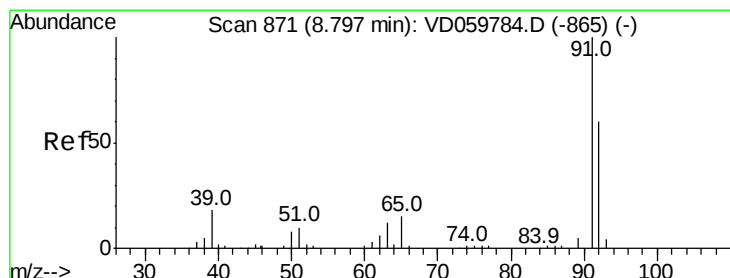
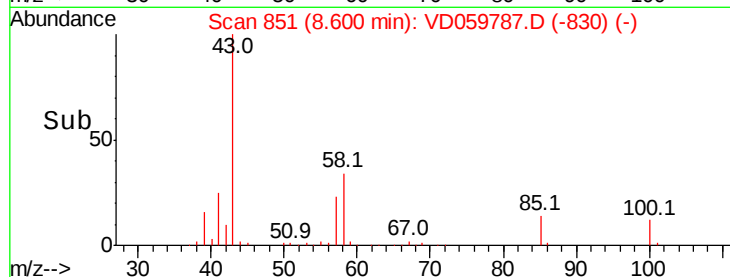
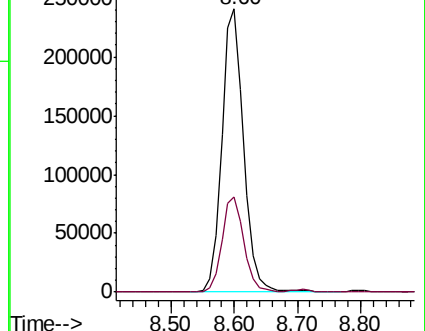
43 100

58 33.6 27.5 41.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 52.606 ug/l

RT: 8.81 min Scan# 872

Delta R.T. 0.01 min

Lab File: VD059787.D

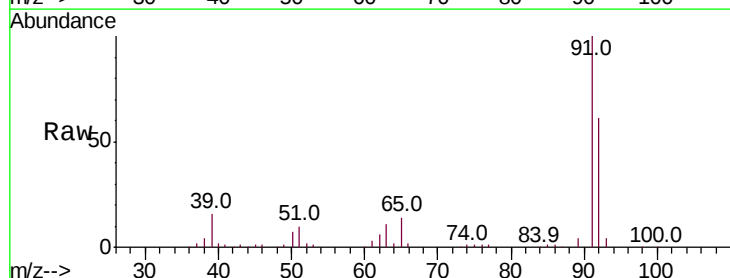
Acq: 15 Aug 2018 2:44

Tgt Ion: 92 Resp: 272761

Ion Ratio Lower Upper

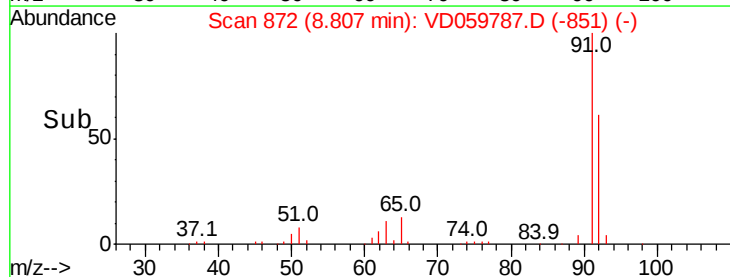
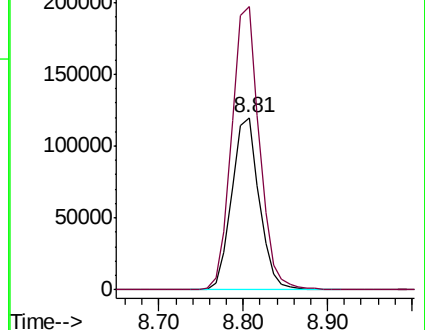
92 100

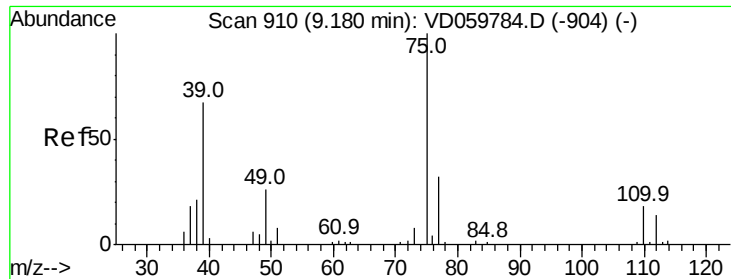
91 164.0 133.1 199.7



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 52.899 ug/l

RT: 9.19 min Scan# 911

Delta R.T. 0.01 min

Lab File: VD059787.D

Acq: 15 Aug 2018 2:44

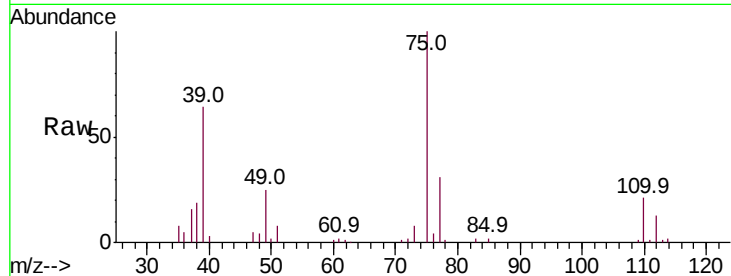
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 75 Resp: 184898

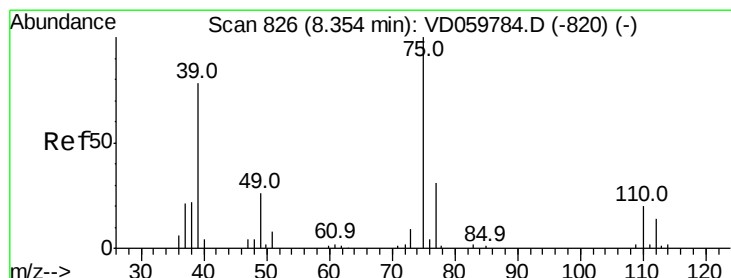
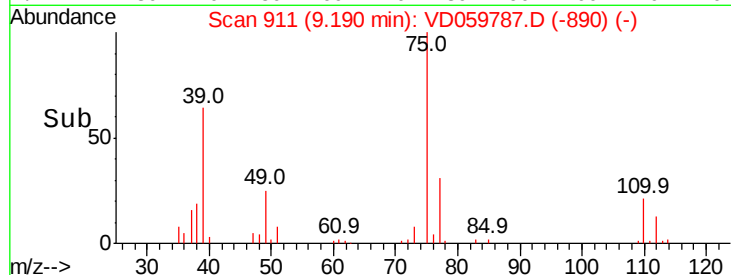
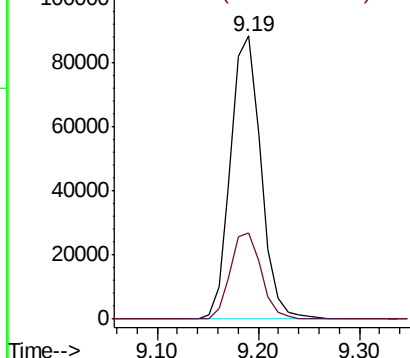
Ion Ratio Lower Upper

75 100

77 30.6 25.4 38.2



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



#54

cis-1,3-Dichloropropene

Concen: 52.408 ug/l

RT: 8.36 min Scan# 827

Delta R.T. 0.01 min

Lab File: VD059787.D

Acq: 15 Aug 2018 2:44

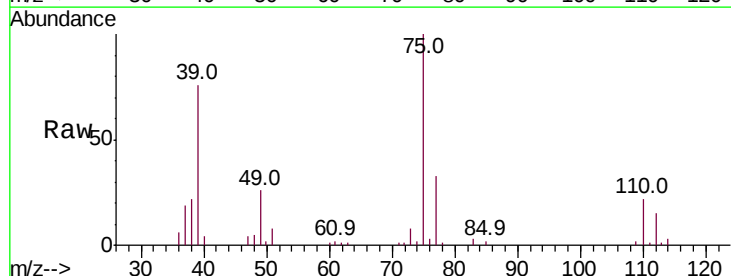
Tgt Ion: 75 Resp: 197968

Ion Ratio Lower Upper

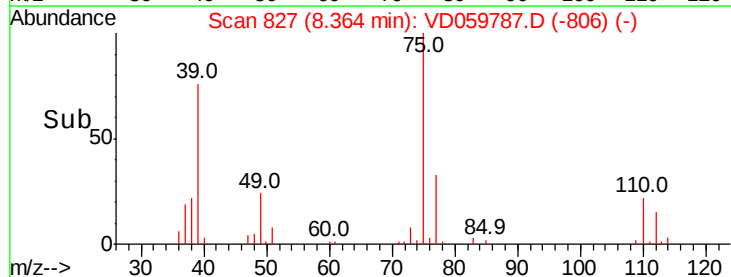
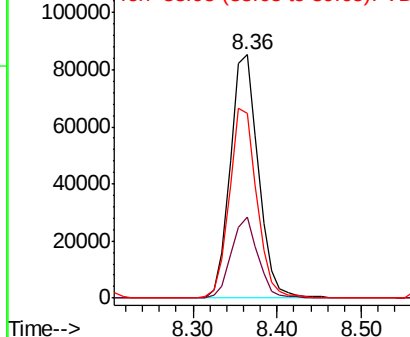
75 100

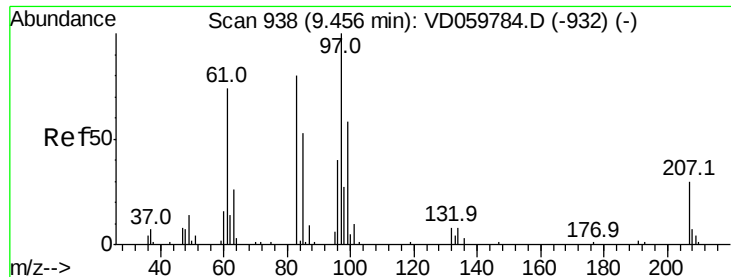
77 33.1 24.8 37.2

39 76.0 62.5 93.7



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC
Ion 38.95 (38.65 to 39.65): VDC

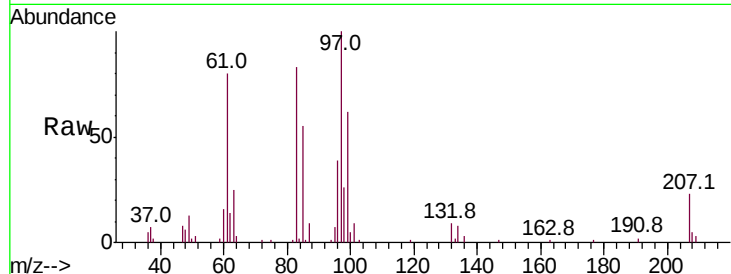




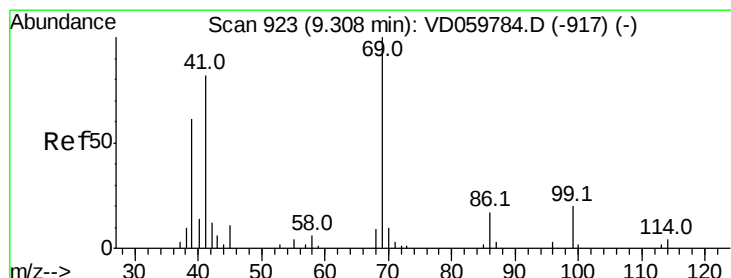
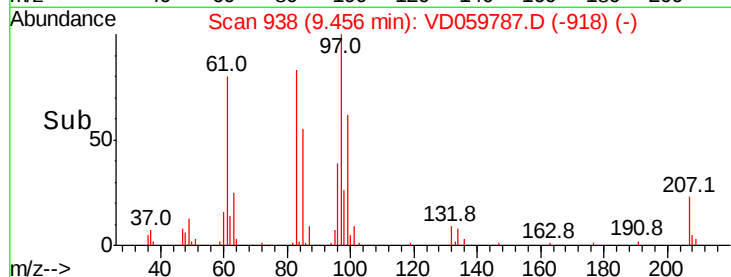
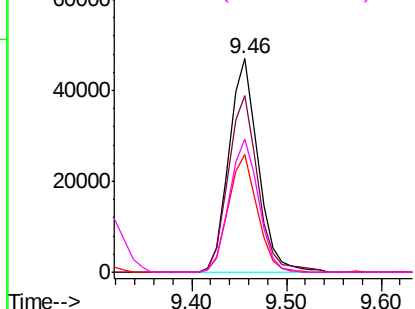
#55
 1,1,2-Trichloroethane
 Concen: 52.645 ug/l
 RT: 9.46 min Scan# 938
 Delta R.T. 0.00 min
 Lab File: VD059787.D
 Acq: 15 Aug 2018 2:44

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:	97	Resp:	100774
Ion	Ratio	Lower	Upper
97	100		
83	82.8	63.8	95.8
85	54.9	42.5	63.7
99	62.3	46.2	69.4

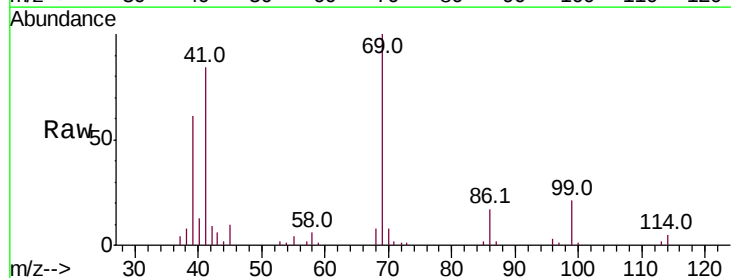


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

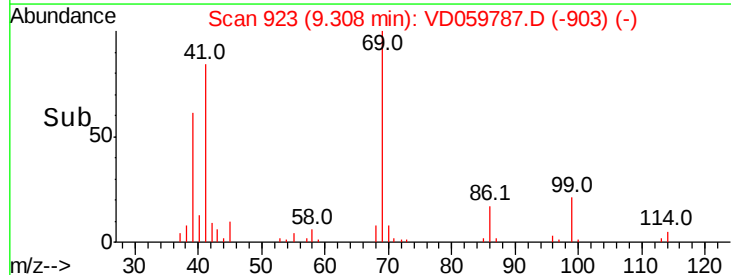
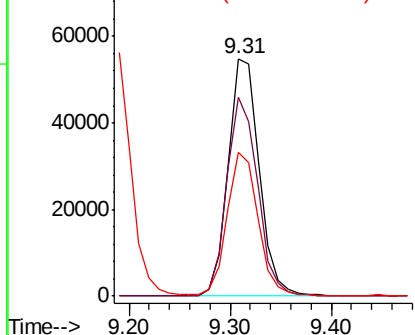


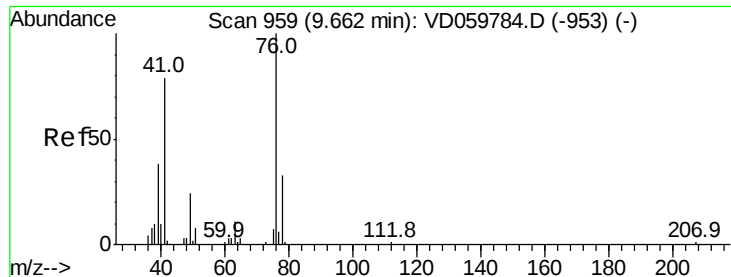
#56
 Ethyl methacrylate
 Concen: 56.378 ug/l
 RT: 9.31 min Scan# 923
 Delta R.T. 0.00 min
 Lab File: VD059787.D
 Acq: 15 Aug 2018 2:44

Tgt Ion:	69	Resp:	116871
Ion	Ratio	Lower	Upper
69	100		
41	84.1	65.8	98.8
39	60.7	49.7	74.5



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





#57

1,3-Dichloropropane

Concen: 53.035 ug/l

RT: 9.66 min Scan# 959

Delta R.T. 0.00 min

Lab File: VD059787.D

Acq: 15 Aug 2018 2:44

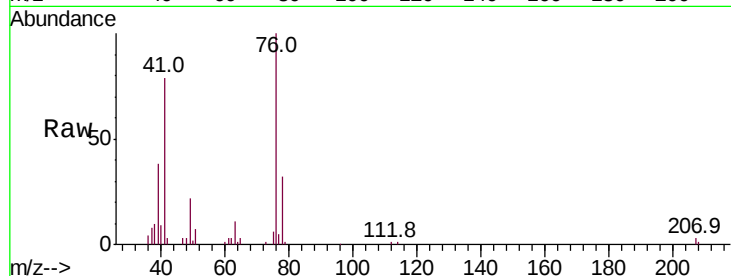
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 76 Resp: 159032

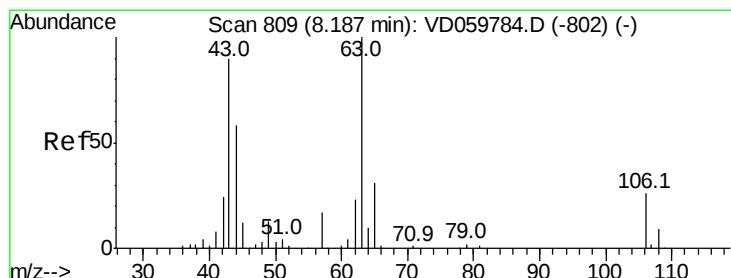
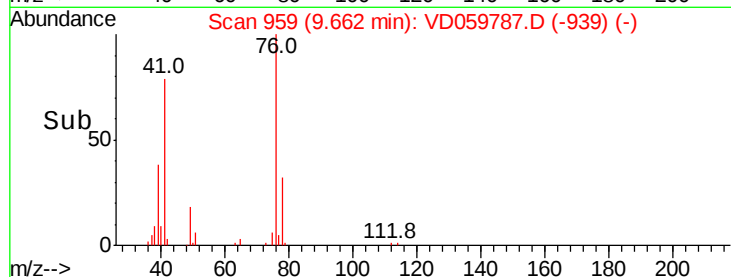
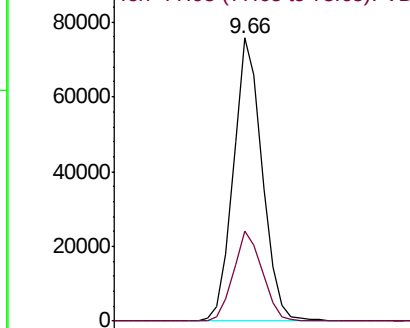
Ion Ratio Lower Upper

76 100

78 31.9 26.4 39.6



Abundance Ion 75.95 (75.65 to 76.65): VDC
Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 276.636 ug/l

RT: 8.19 min Scan# 809

Delta R.T. 0.00 min

Lab File: VD059787.D

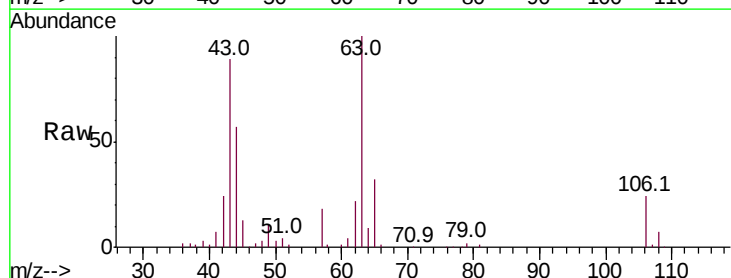
Acq: 15 Aug 2018 2:44

Tgt Ion: 63 Resp: 283436

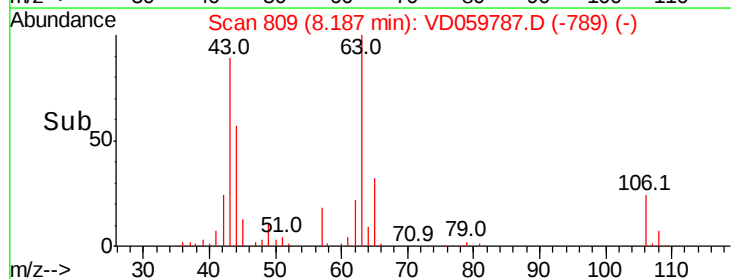
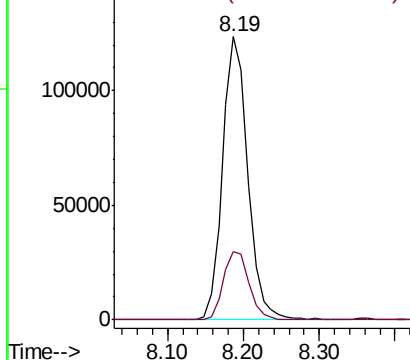
Ion Ratio Lower Upper

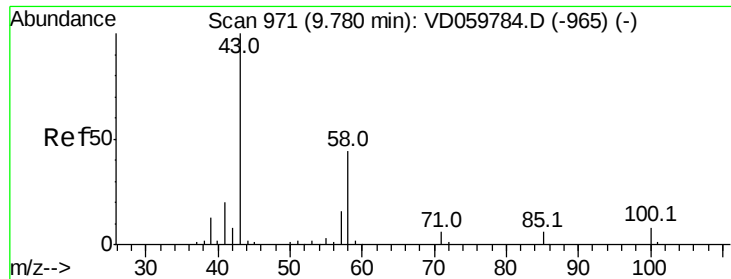
63 100

106 24.1 21.1 31.7



Abundance Ion 62.95 (62.65 to 63.65): VDC
Ion 105.95 (105.65 to 106.65): V

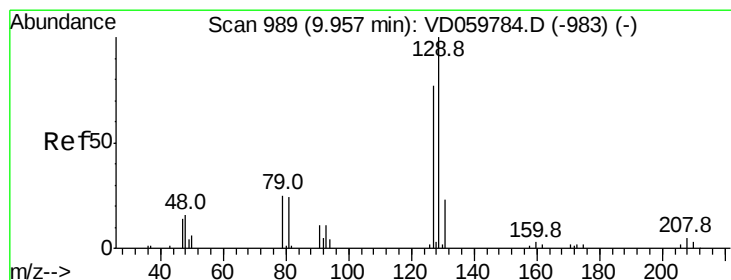
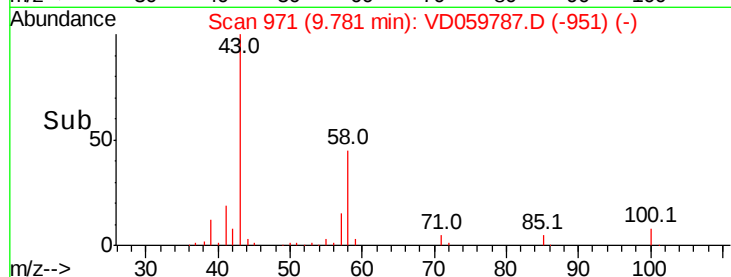
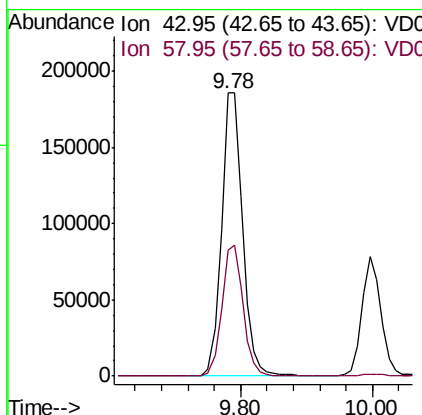
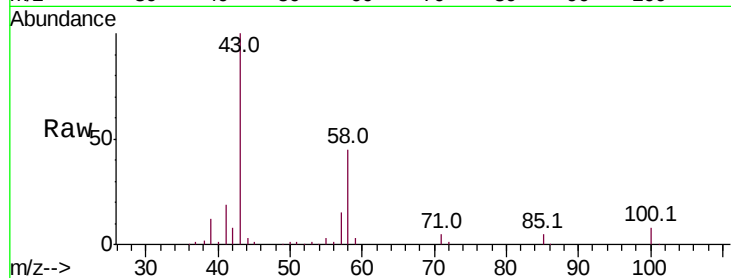




#59
2-Hexanone
Concen: 317.057 ug/l
RT: 9.78 min Scan# 971
Delta R.T. 0.00 min
Lab File: VD059787.D
Acq: 15 Aug 2018 2:44

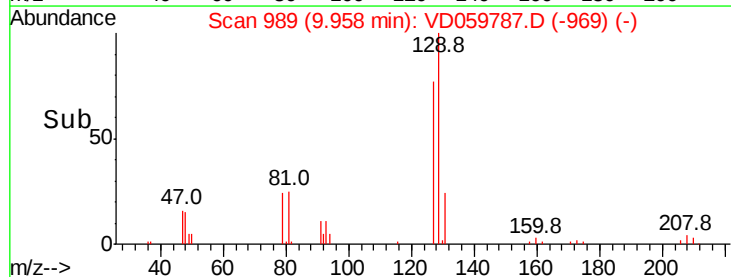
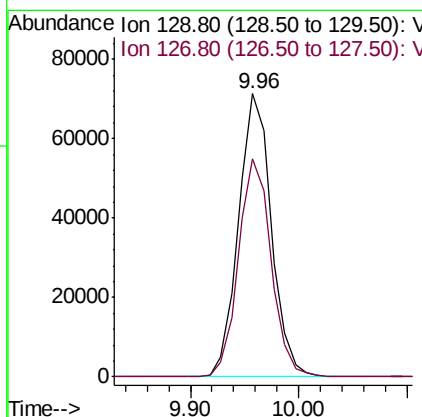
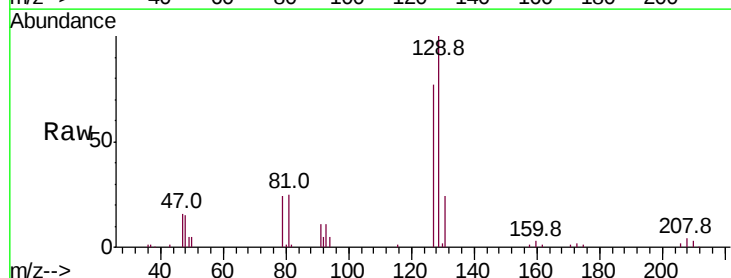
Instrument :
MSVOA_D
ClientSampled :

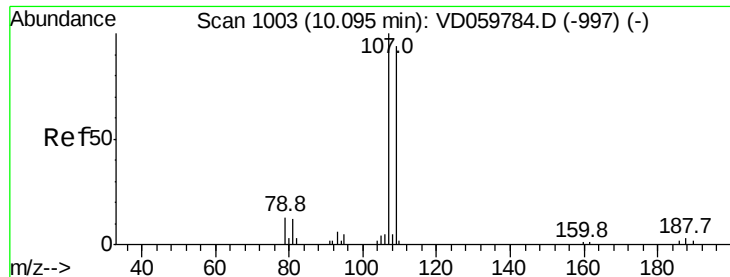
Tot Ion: 43 Resp: 414168
Ion Ratio Lower Upper
43 100
58 44.5 22.3 66.8



#60
Dibromochloromethane
Concen: 53.879 ug/l
RT: 9.96 min Scan# 989
Delta R.T. 0.00 min
Lab File: VD059787.D
Acq: 15 Aug 2018 2:44

Tgt Ion: 129 Resp: 149742
Ion Ratio Lower Upper
129 100
127 77.1 38.4 115.1

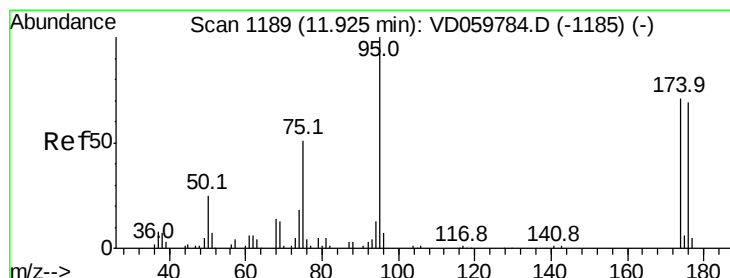
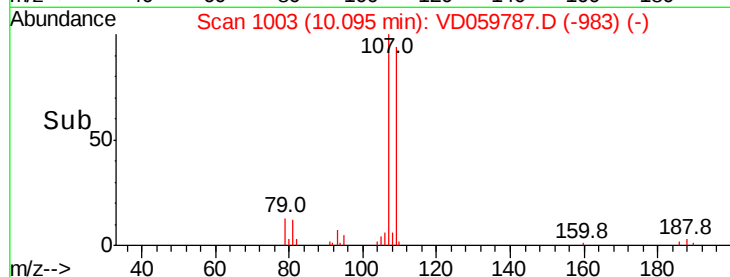
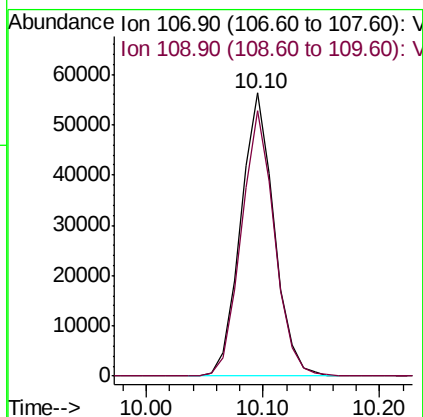
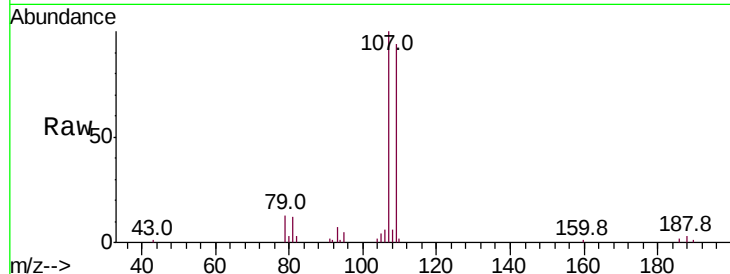




#61
 1,2-Dibromoethane
 Concen: 52.451 ug/l
 RT: 10.10 min Scan# 1003
 Delta R.T. 0.00 min
 Lab File: VD059787.D
 Acq: 15 Aug 2018 2:44

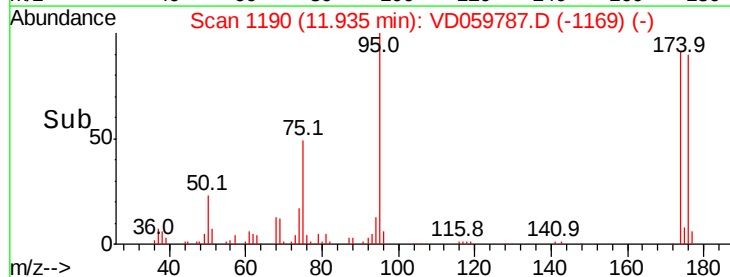
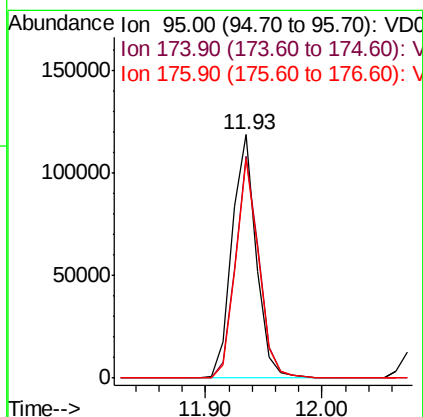
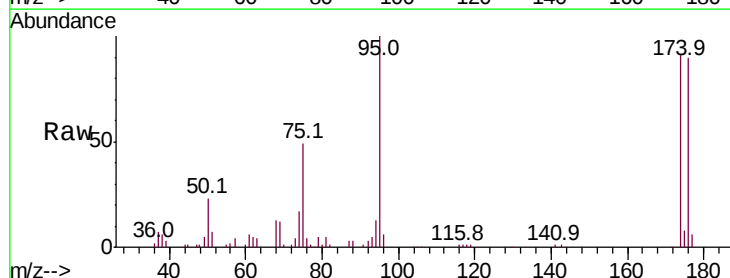
Instrument :
 MSVOA_D
 ClientSampleId :

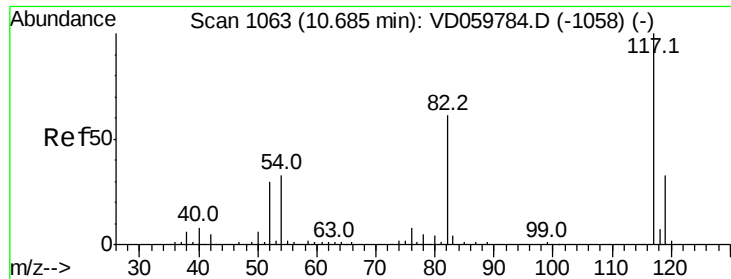
Tot Ion:107 Resp: 111215
 Ion Ratio Lower Upper
 107 100
 109 93.9 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 52.451 ug/l
 RT: 11.93 min Scan# 1190
 Delta R.T. 0.01 min
 Lab File: VD059787.D
 Acq: 15 Aug 2018 2:44

Tgt Ion: 95 Resp: 170331
 Ion Ratio Lower Upper
 95 100
 174 91.3 0.0 142.2
 176 90.2 0.0 137.4

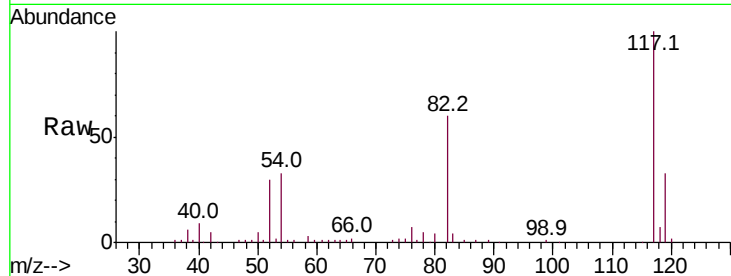




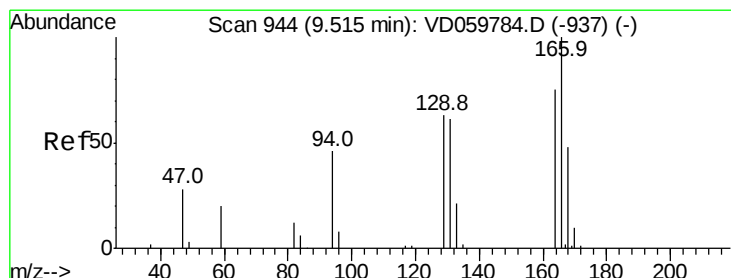
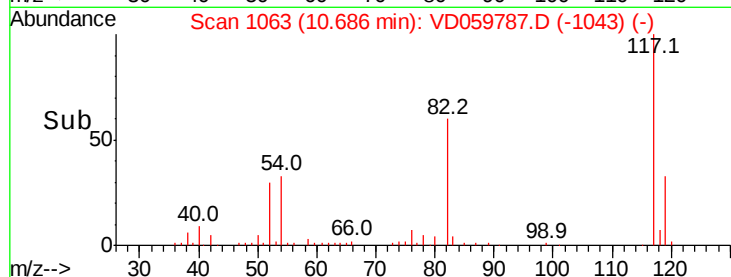
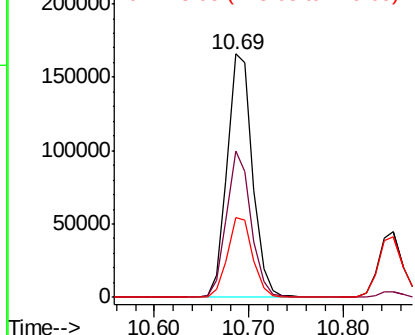
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.69 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VD059787.D
Acq: 15 Aug 2018 2:44

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 307739
Ion Ratio Lower Upper
117 100
82 60.0 49.0 73.6
119 32.9 26.2 39.2

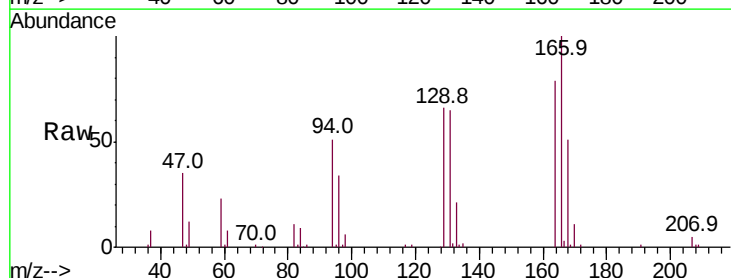


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

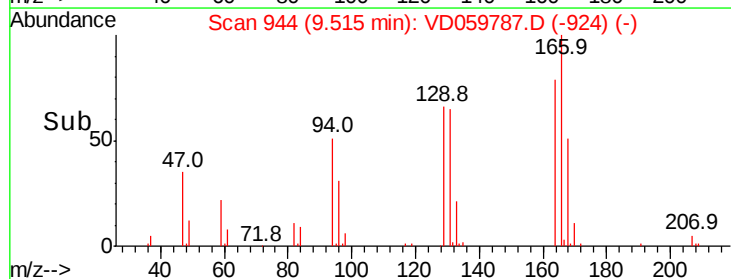
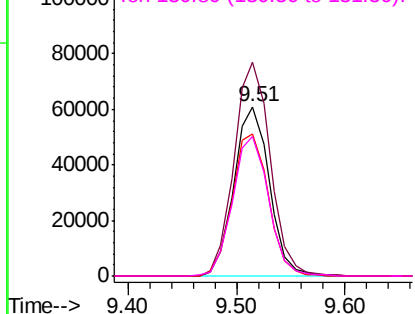


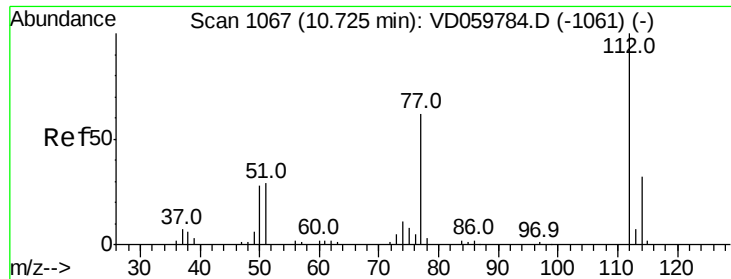
#64
Tetrachloroethene
Concen: 52.298 ug/l
RT: 9.51 min Scan# 944
Delta R.T. 0.00 min
Lab File: VD059787.D
Acq: 15 Aug 2018 2:44

Tgt Ion:164 Resp: 138612
Ion Ratio Lower Upper
164 100
166 126.1 106.8 160.2
129 83.8 67.2 100.8
131 82.1 64.7 97.1



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

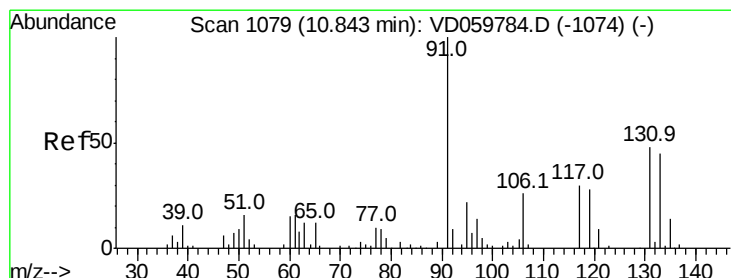
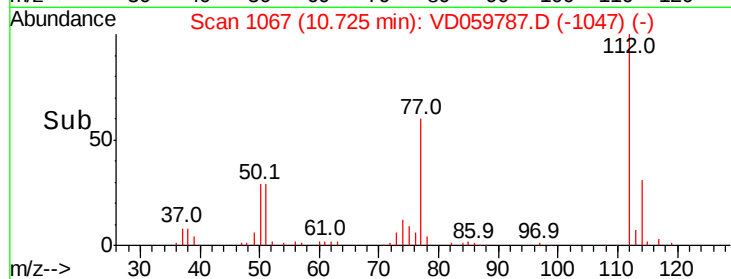
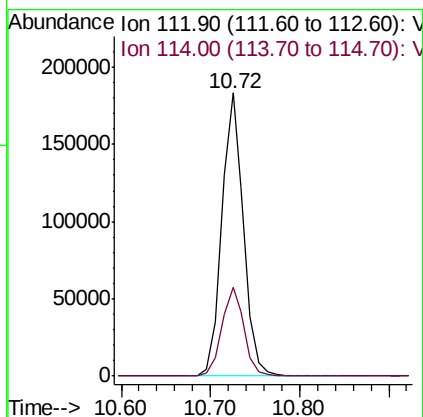
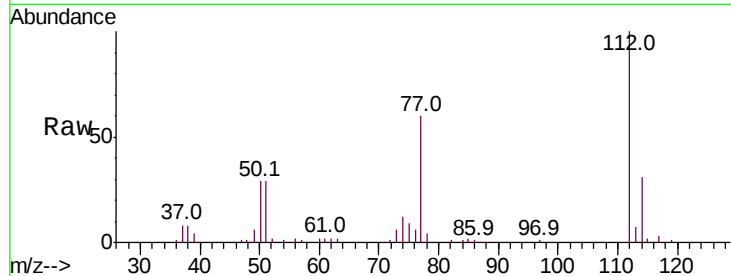




#65
Chlorobenzene
Concen: 49.908 ug/l
RT: 10.72 min Scan# 1067
Delta R.T. 0.00 min
Lab File: VD059787.D
Acq: 15 Aug 2018 2:44

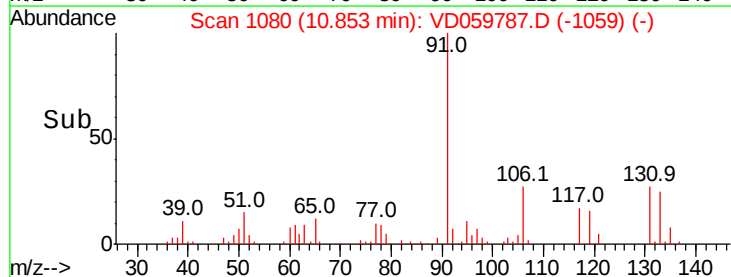
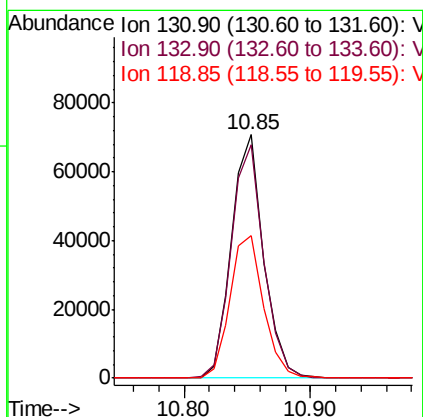
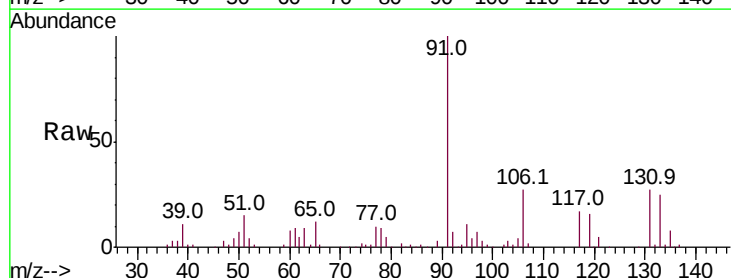
Instrument :
MSVOA_D
ClientSampleId :

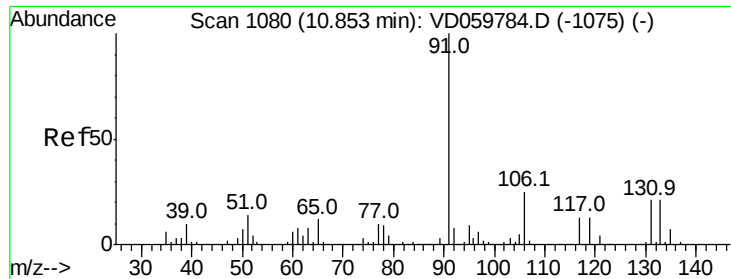
Tot Ion:112 Resp: 311043
Ion Ratio Lower Upper
112 100
114 31.4 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 49.177 ug/l
RT: 10.85 min Scan# 1080
Delta R.T. 0.01 min
Lab File: VD059787.D
Acq: 15 Aug 2018 2:44

Tgt Ion:131 Resp: 123529
Ion Ratio Lower Upper
131 100
133 95.7 47.0 141.0
119 58.7 29.0 87.1

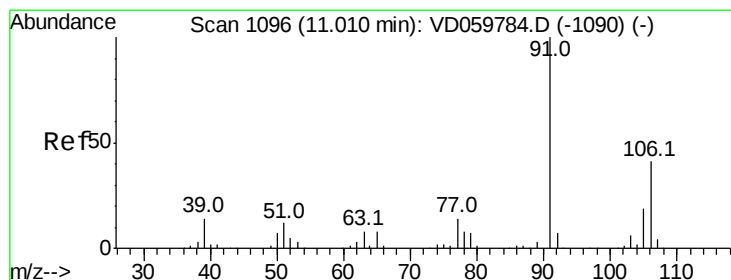
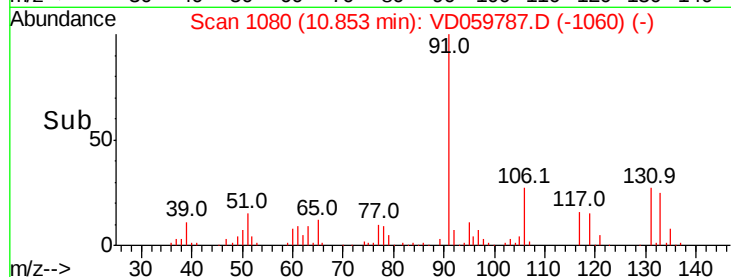
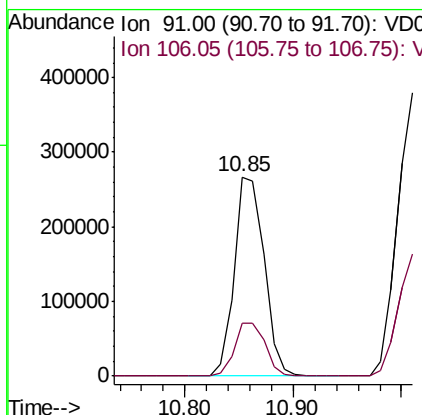
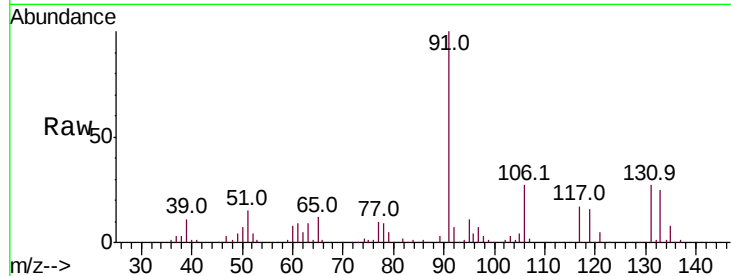




#67
Ethyl Benzene
Concen: 47.849 ug/l
RT: 10.85 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VD059787.D
Acq: 15 Aug 2018 2:44

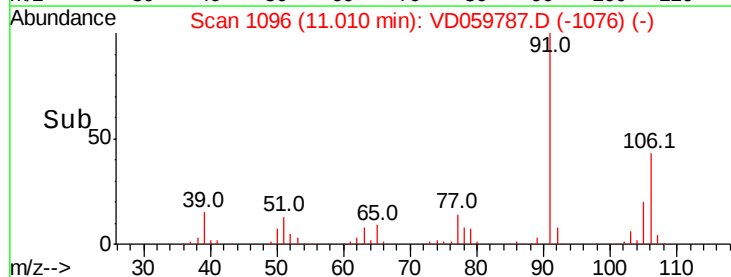
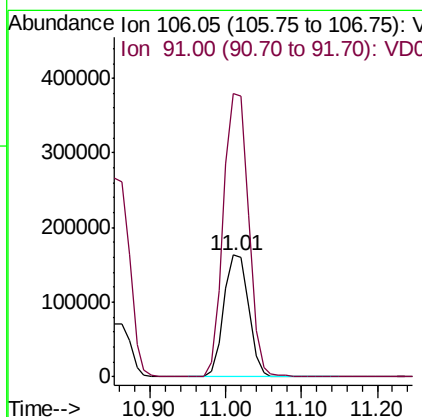
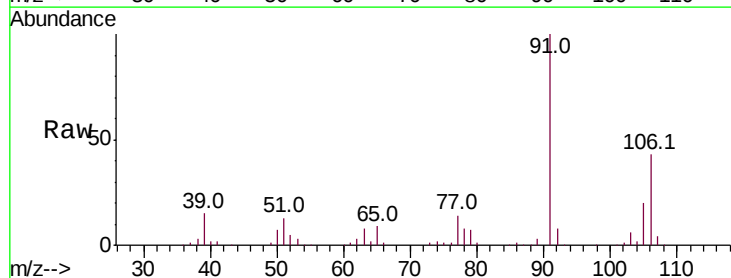
Instrument :
MSVOA_D
ClientSampled :

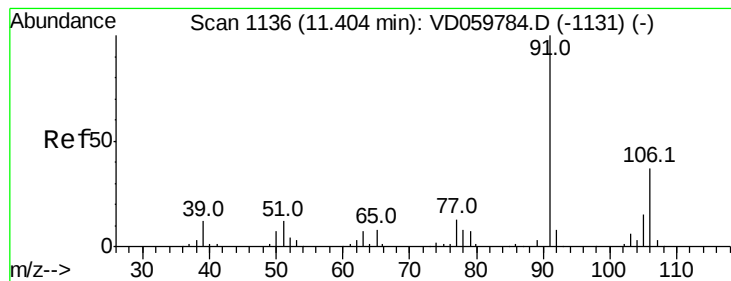
Tot Ion: 91 Resp: 513446
Ion Ratio Lower Upper
91 100
106 26.8 20.1 30.1



#68
m/p-Xylenes
Concen: 102.423 ug/l
RT: 11.01 min Scan# 1096
Delta R.T. 0.00 min
Lab File: VD059787.D
Acq: 15 Aug 2018 2:44

Tgt Ion: 106 Resp: 372506
Ion Ratio Lower Upper
106 100
91 232.0 197.4 296.0





#69

o-Xylene

Concen: 50.544 ug/l

RT: 11.40 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VD059787.D

Acq: 15 Aug 2018 2:44

Instrument :

MSVOA_D

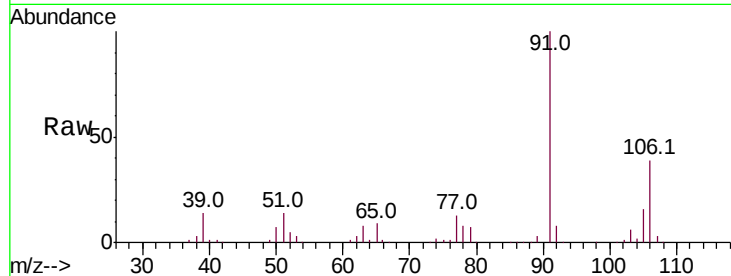
ClientSampled :

Tot Ion:106 Resp: 176449

Ion Ratio Lower Upper

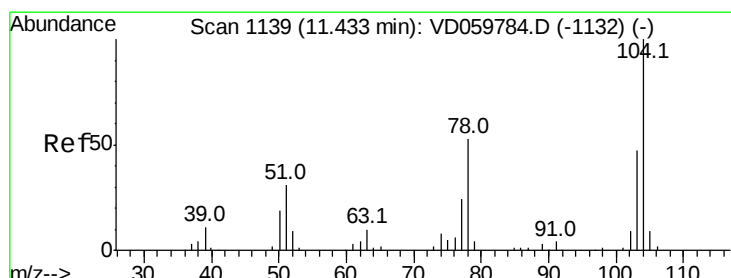
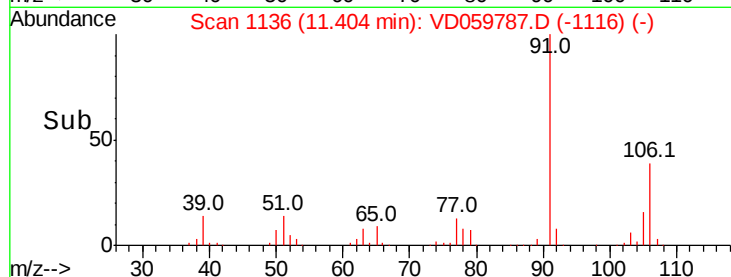
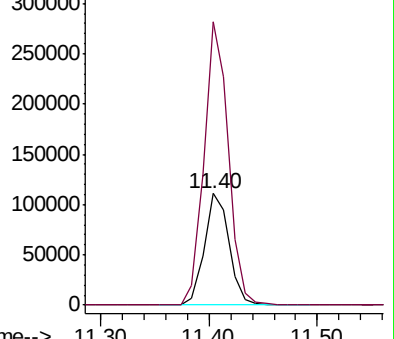
106 100

91 254.0 133.7 401.1



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): V



#70

Styrene

Concen: 47.547 ug/l

RT: 11.43 min Scan# 1139

Delta R.T. 0.00 min

Lab File: VD059787.D

Acq: 15 Aug 2018 2:44

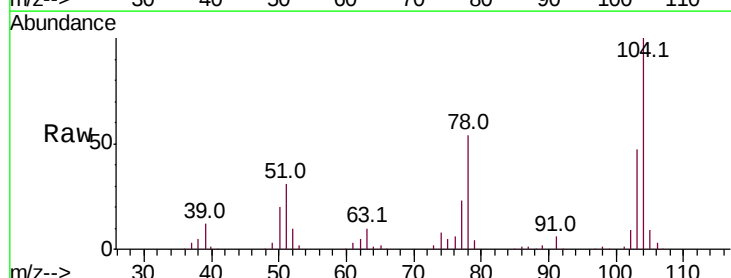
Tgt Ion:104 Resp: 294375

Ion Ratio Lower Upper

104 100

78 54.1 42.6 64.0

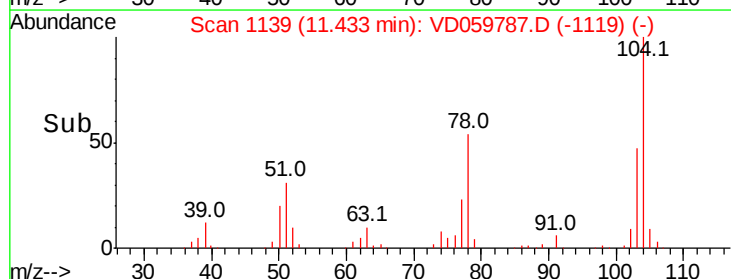
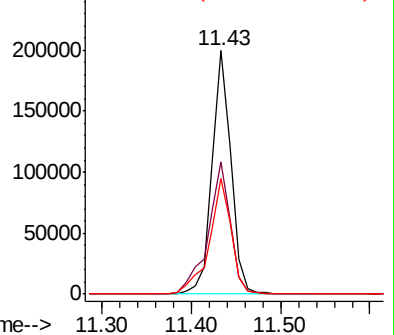
103 47.4 37.8 56.6

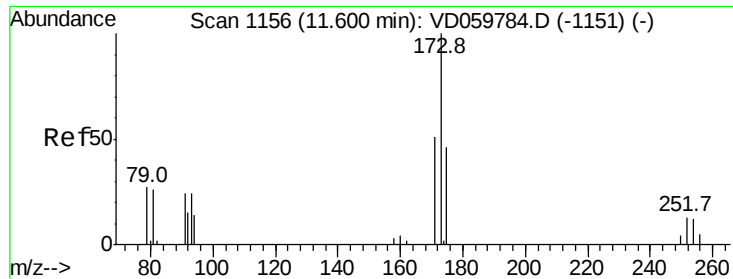


Abundance Ion 104.05 (103.75 to 104.75): V

Ion 77.95 (77.65 to 78.65): V

Ion 103.05 (102.75 to 103.75): V





#71

Bromoform

Concen: 55.212 ug/l

RT: 11.60 min Scan# 1156

Delta R.T. 0.00 min

Lab File: VD059787.D

Acq: 15 Aug 2018 2:44

Instrument :

MSVOA_D

ClientSampleId :

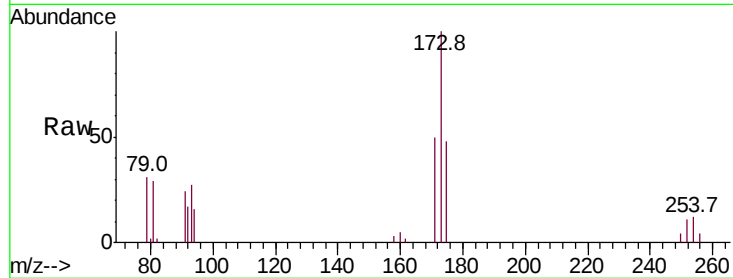
Tot Ion:173 Resp: 100814

Ion Ratio Lower Upper

173 100

175 47.9 23.1 69.2

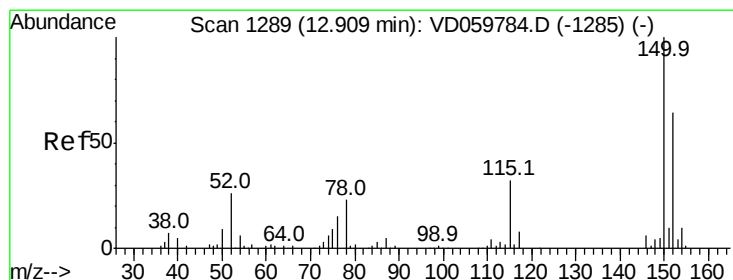
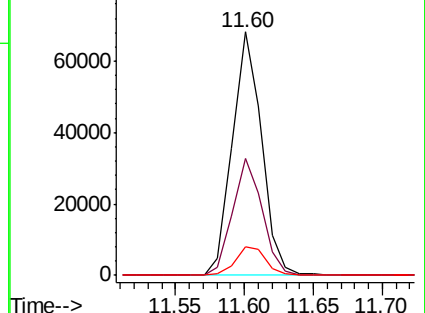
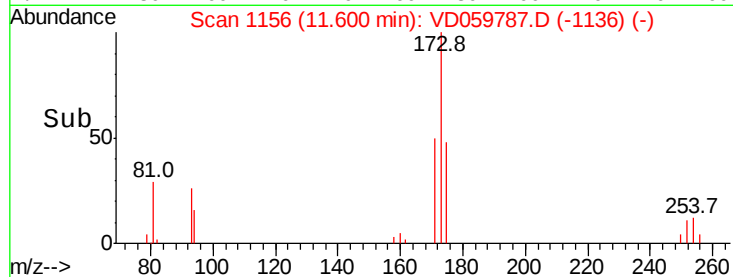
254 11.8 9.7 14.5



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.91 min Scan# 1289

Delta R.T. 0.00 min

Lab File: VD059787.D

Acq: 15 Aug 2018 2:44

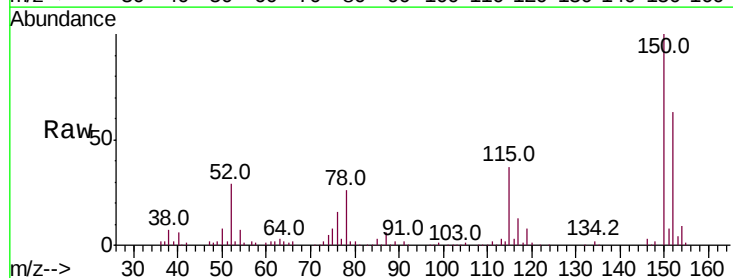
Tgt Ion:152 Resp: 162499

Ion Ratio Lower Upper

152 100

115 59.2 27.2 81.5

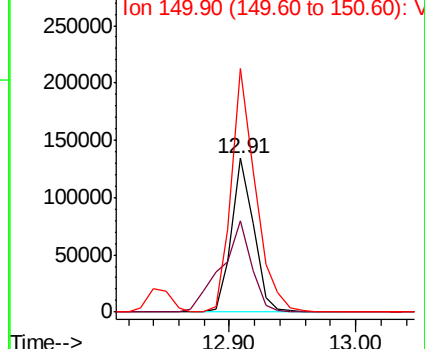
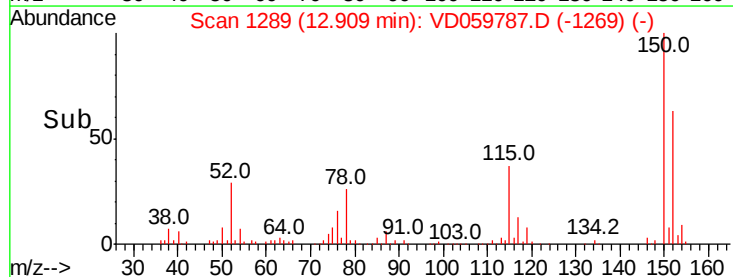
150 158.2 0.0 312.4

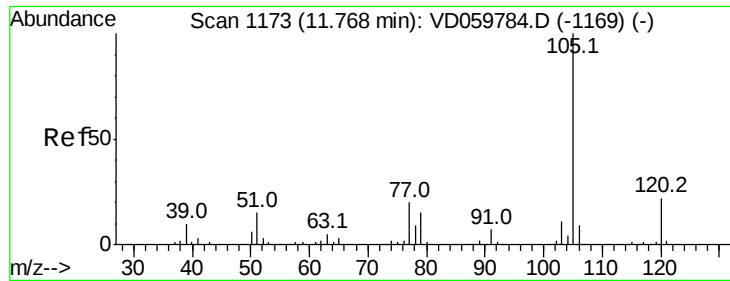


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V

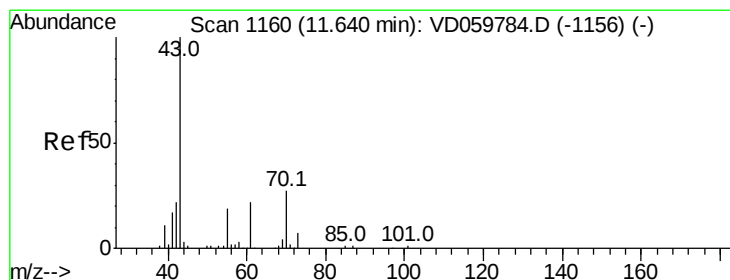
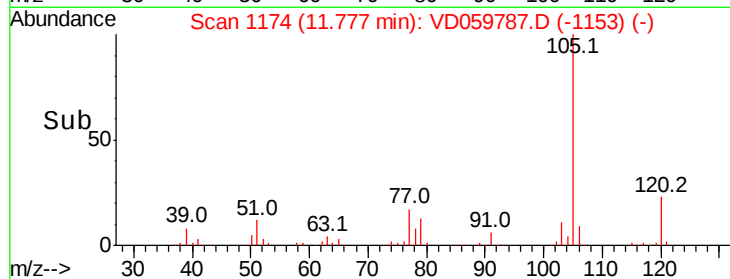
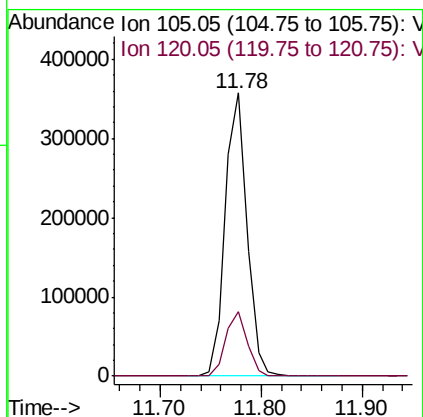
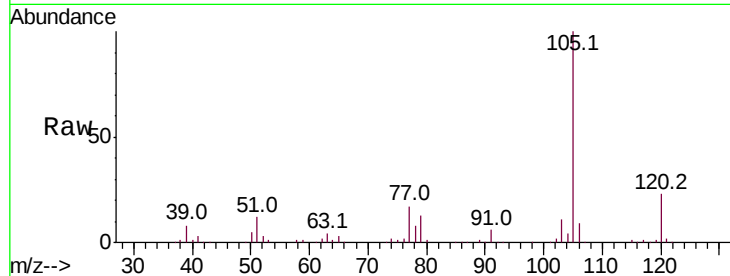




#73
Isopropylbenzene
Concen: 52.232 ug/l
RT: 11.78 min Scan# 1174
Delta R.T. 0.01 min
Lab File: VD059787.D
Acq: 15 Aug 2018 2:44

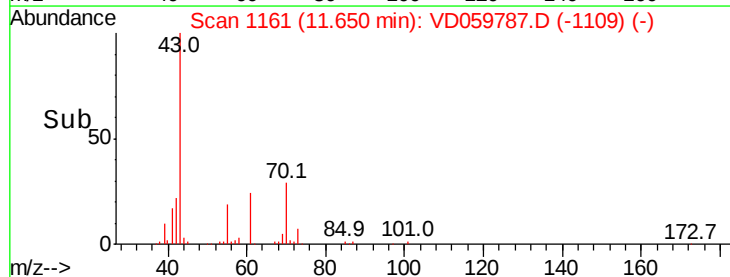
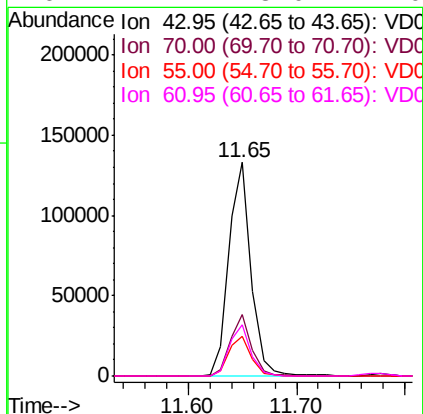
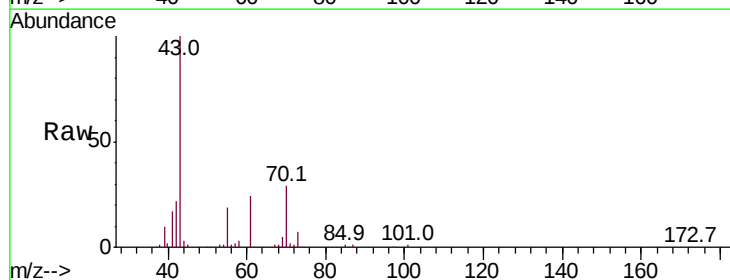
Instrument :
MSVOA_D
ClientSampleId :

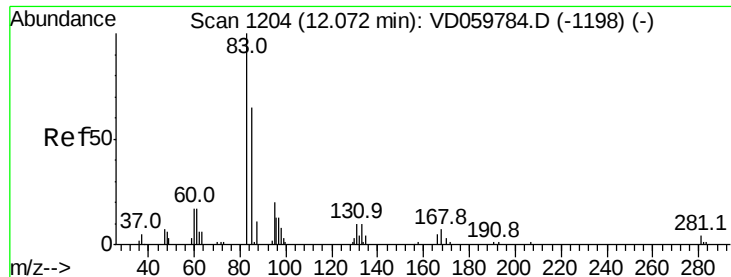
Tot Ion:105 Resp: 537432
Ion Ratio Lower Upper
105 100
120 22.9 10.9 32.6



#74
N-ethyl acetate
Concen: 60.015 ug/l
RT: 11.65 min Scan# 1161
Delta R.T. 0.01 min
Lab File: VD059787.D
Acq: 15 Aug 2018 2:44

Tgt Ion: 43 Resp: 189335
Ion Ratio Lower Upper
43 100
70 28.5 21.8 32.6
55 18.8 15.1 22.7
61 24.2 18.0 27.0





#75

1,1,2,2-Tetrachloroethane

Concen: 53.143 ug/l

RT: 12.08 min Scan# 1205

Delta R.T. 0.01 min

Lab File: VD059787.D

Acq: 15 Aug 2018 2:44

Instrument :

MSVOA_D

ClientSampleId :

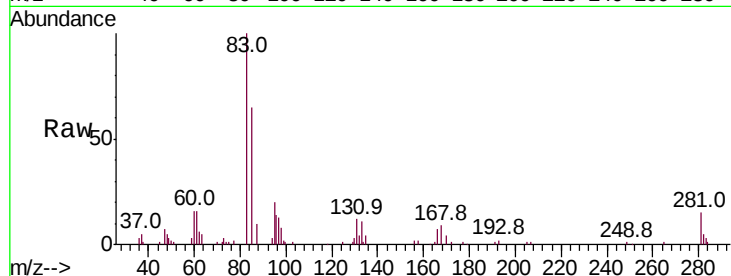
Tot Ion: 83 Resp: 111040

Ion Ratio Lower Upper

83 100

131 11.6 5.0 15.0

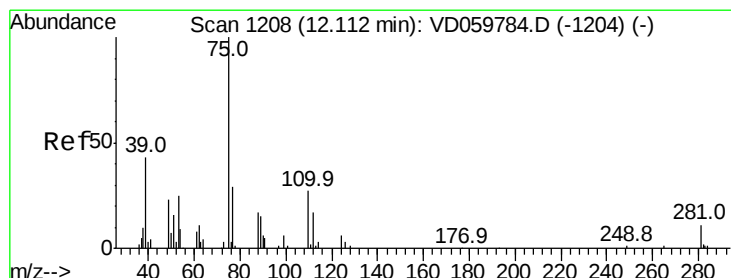
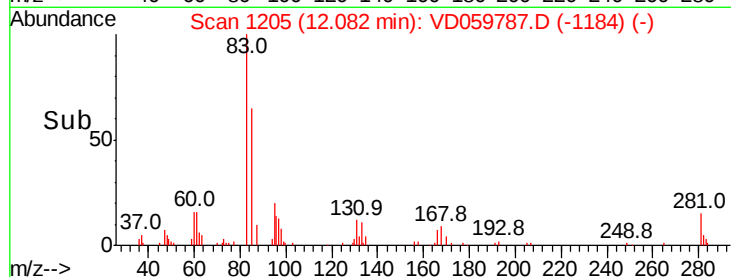
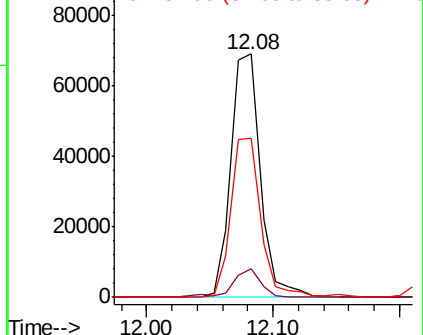
85 65.3 32.8 98.3



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: 55.122 ug/l

RT: 12.11 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VD059787.D

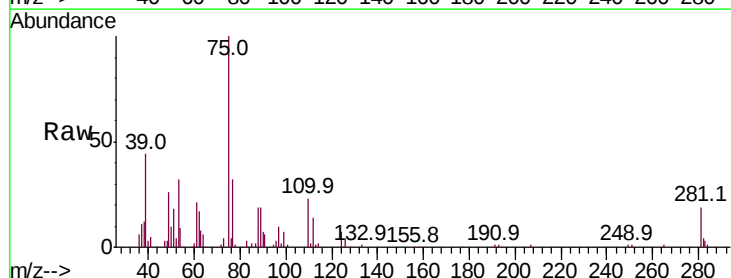
Acq: 15 Aug 2018 2:44

Tgt Ion: 75 Resp: 127086

Ion Ratio Lower Upper

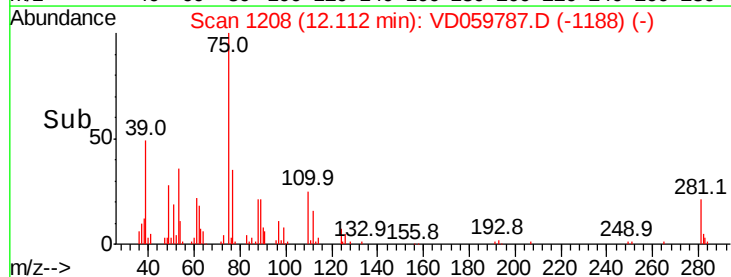
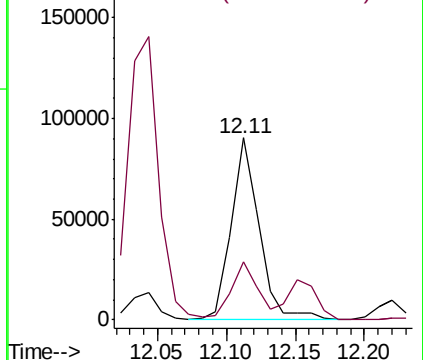
75 100

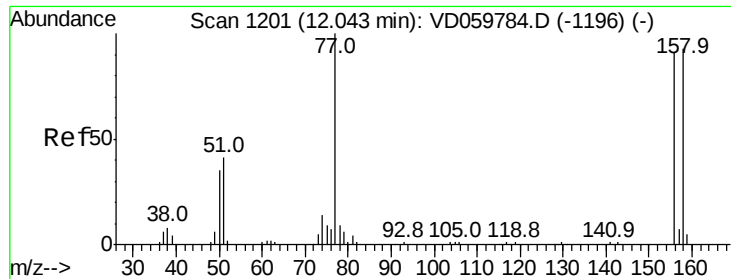
77 31.6 16.2 48.6



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 53.415 ug/l

RT: 12.04 min Scan# 1201

Delta R.T. 0.00 min

Lab File: VD059787.D

Acq: 15 Aug 2018 2:44

Instrument :

MSVOA_D

ClientSampleId :

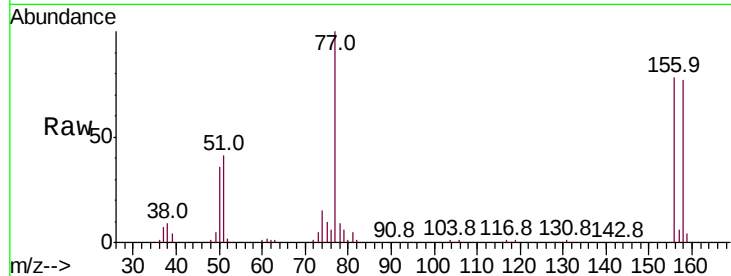
Tot Ion:156 Resp: 157053

Ion Ratio Lower Upper

156 100

77 128.7 54.9 164.8

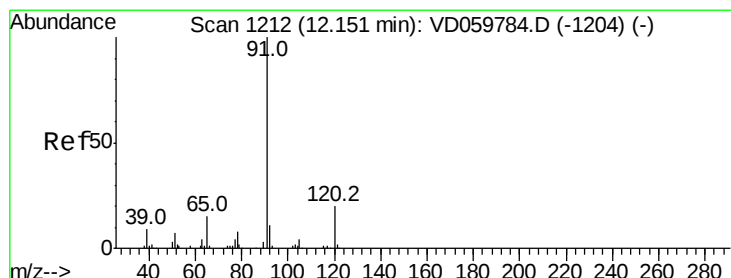
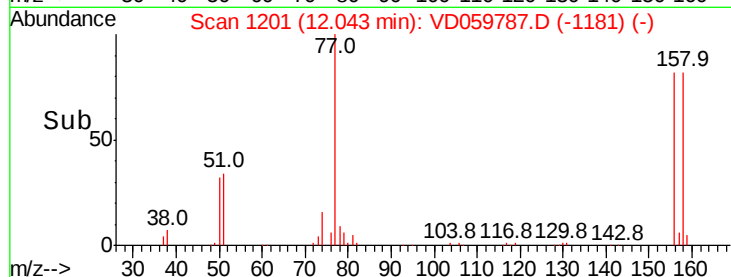
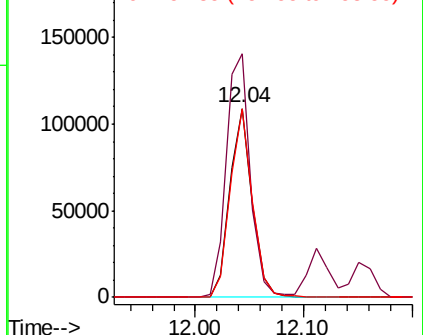
158 99.5 51.2 153.6



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: 51.011 ug/l

RT: 12.15 min Scan# 1212

Delta R.T. 0.00 min

Lab File: VD059787.D

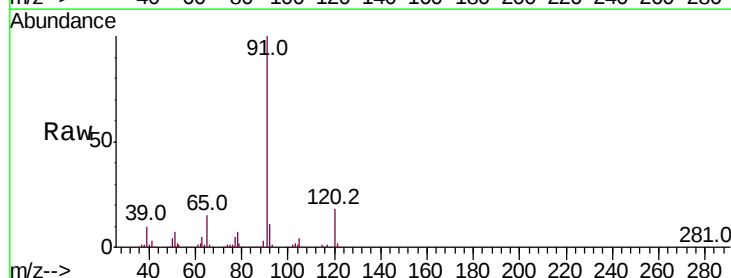
Acq: 15 Aug 2018 2:44

Tgt Ion: 91 Resp: 654711

Ion Ratio Lower Upper

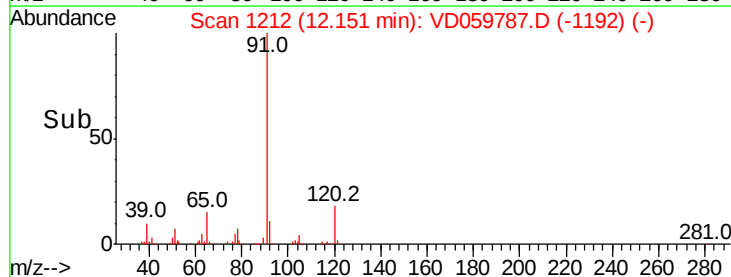
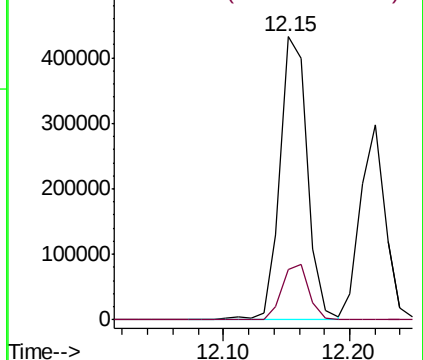
91 100

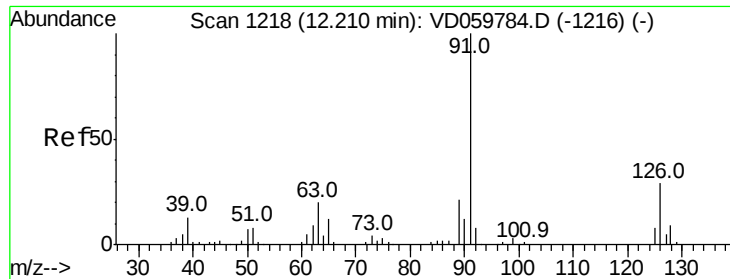
120 17.7 9.8 29.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

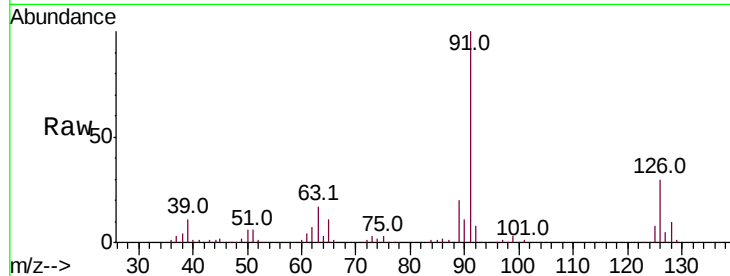




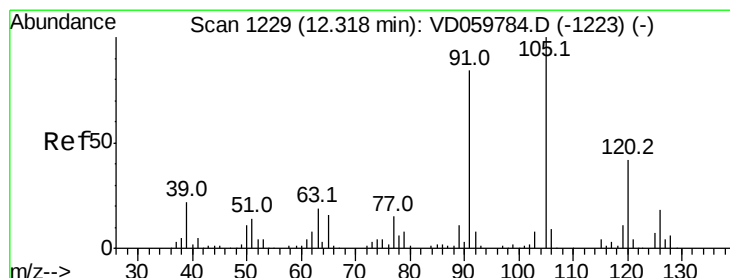
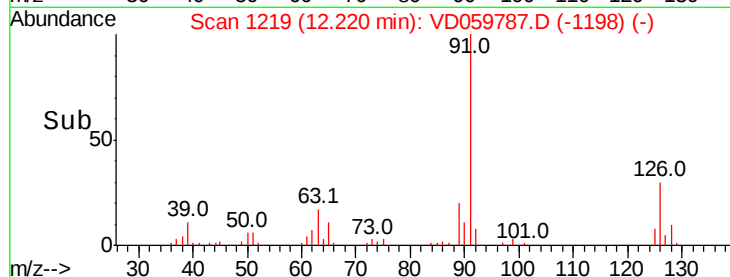
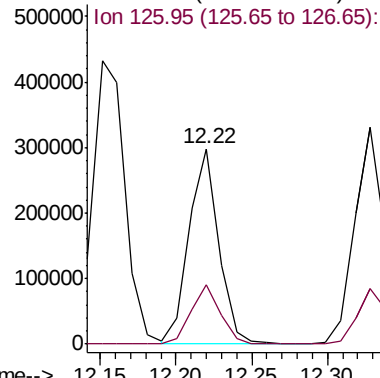
#79
 2-Chlorotoluene
 Concen: 52.407 ug/l
 RT: 12.22 min Scan# 1219
 Delta R.T. 0.01 min
 Lab File: VD059787.D
 Acq: 15 Aug 2018 2:44

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 91 Resp: 405621
 Ion Ratio Lower Upper
 91 100
 126 30.4 14.0 41.9

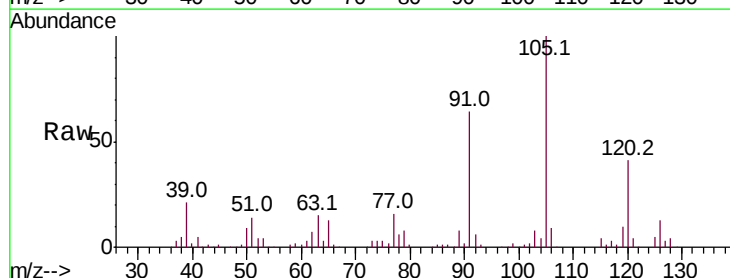


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

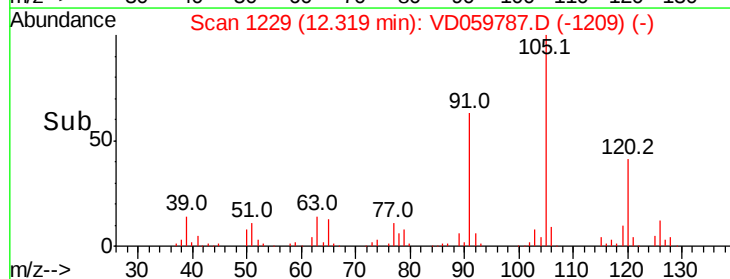
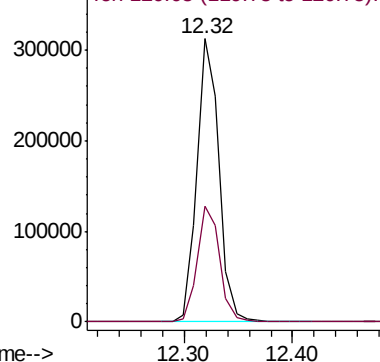


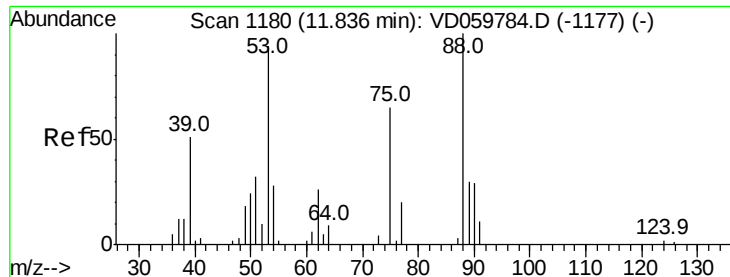
#80
 1,3,5-Trimethylbenzene
 Concen: 53.580 ug/l
 RT: 12.32 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VD059787.D
 Acq: 15 Aug 2018 2:44

Tgt Ion:105 Resp: 441430
 Ion Ratio Lower Upper
 105 100
 120 40.7 20.8 62.5



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





#81

trans-1,4-Dichloro-2-butene

Concen: 57.938 ug/l

RT: 11.85 min Scan# 1181

Delta R.T. 0.01 min

Lab File: VD059787.D

Acq: 15 Aug 2018 2:44

Instrument :

MSVOA_D

ClientSampleId :

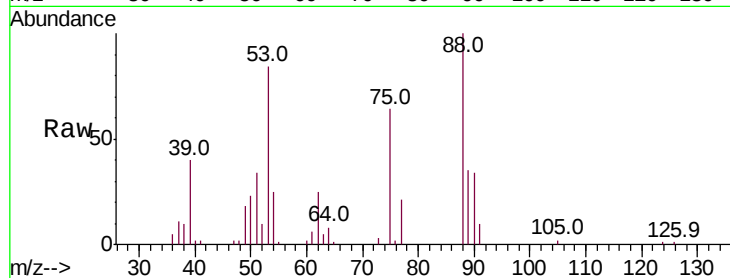
Tot Ion: 75 Resp: 31252

Ion Ratio Lower Upper

75 100

53 130.4 116.2 174.2

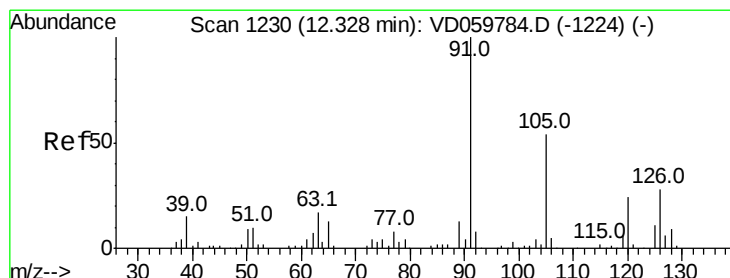
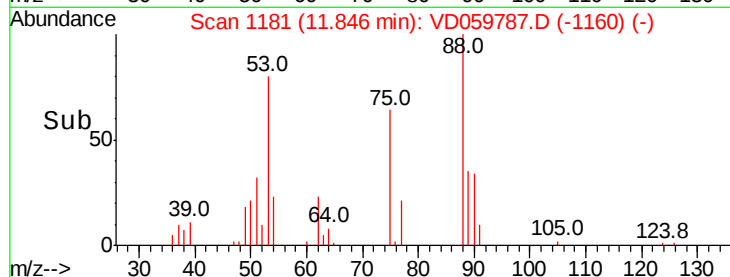
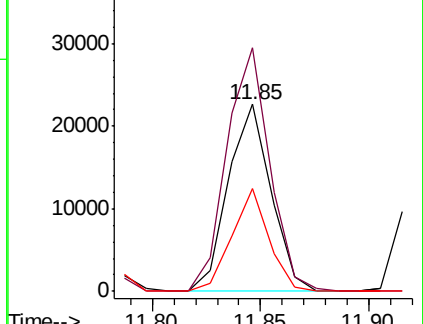
89 55.2 37.0 55.6



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 51.646 ug/l

RT: 12.33 min Scan# 1230

Delta R.T. 0.00 min

Lab File: VD059787.D

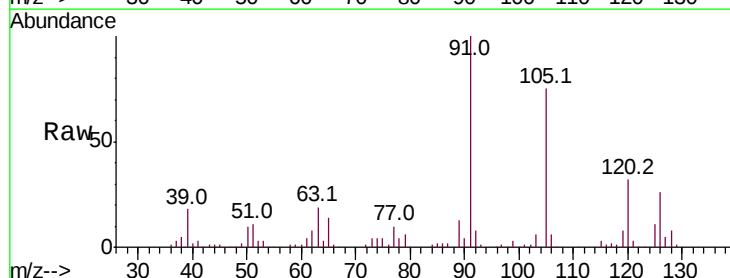
Acq: 15 Aug 2018 2:44

Tgt Ion: 91 Resp: 453706

Ion Ratio Lower Upper

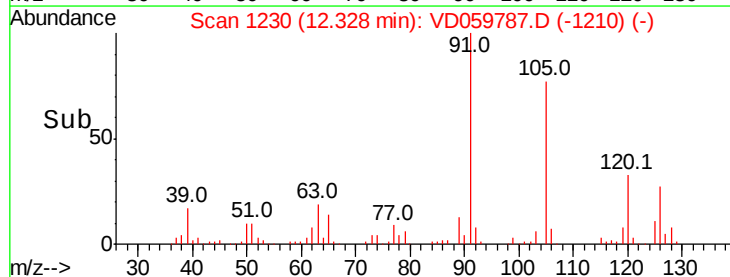
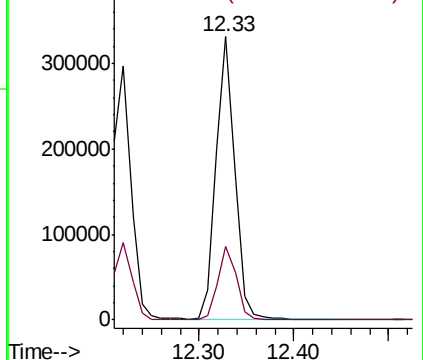
91 100

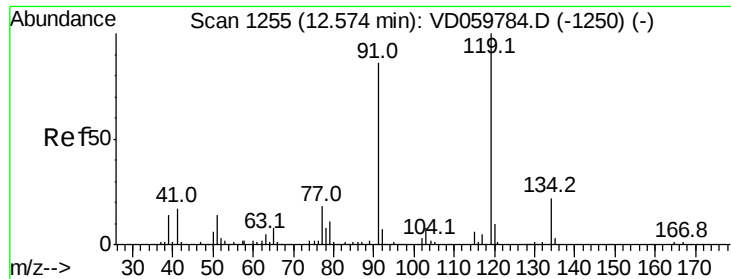
126 25.9 13.9 41.7



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V





#83

tert-Butylbenzene

Concen: 54.027 ug/l

RT: 12.57 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VD059787.D

Acq: 15 Aug 2018 2:44

Instrument :

MSVOA_D

ClientSampleId :

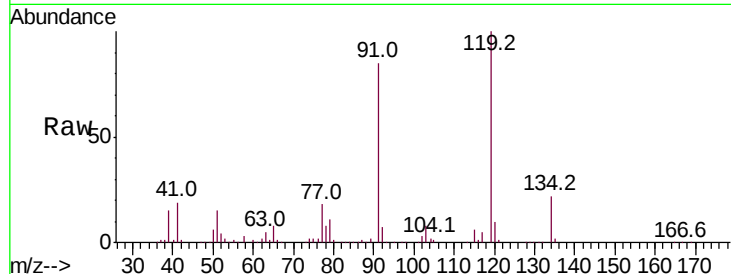
Tot Ion:119 Resp: 491819

Ion Ratio Lower Upper

119 100

91 85.1 43.1 129.3

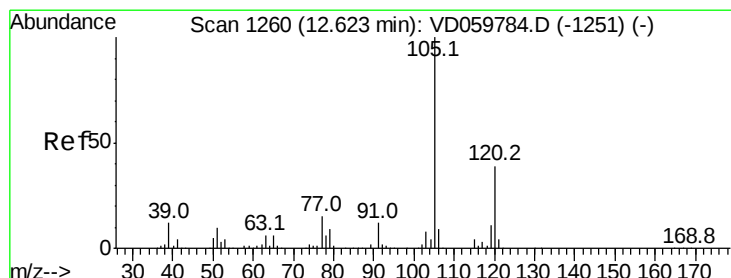
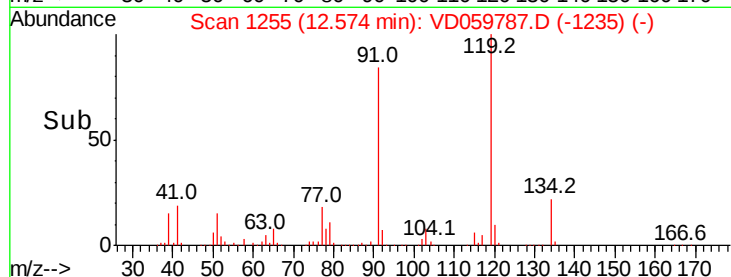
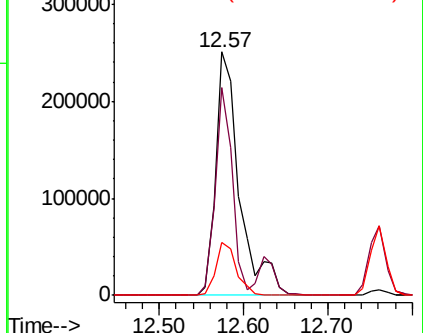
134 21.6 11.2 33.5



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 52.070 ug/l

RT: 12.62 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VD059787.D

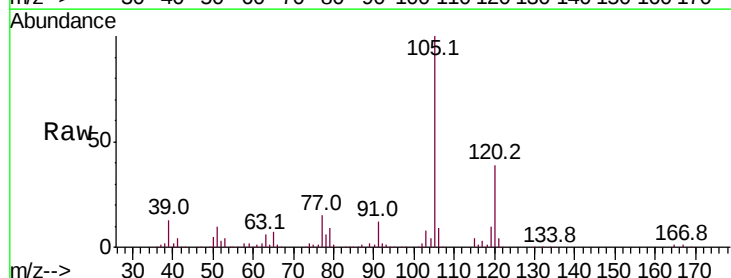
Acq: 15 Aug 2018 2:44

Tgt Ion:105 Resp: 462285

Ion Ratio Lower Upper

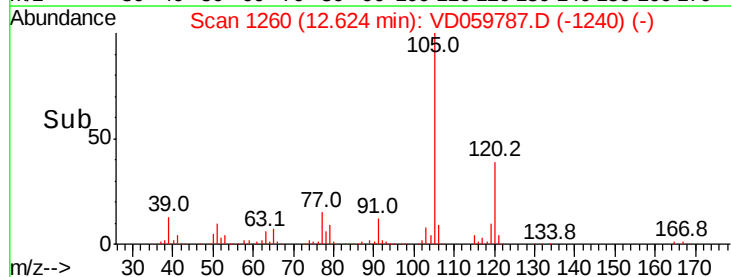
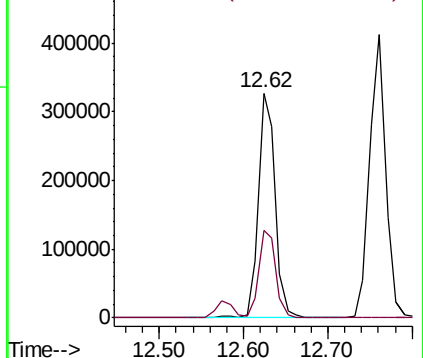
105 100

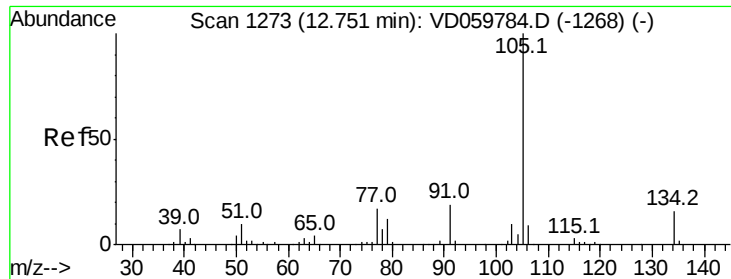
120 38.8 19.6 58.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

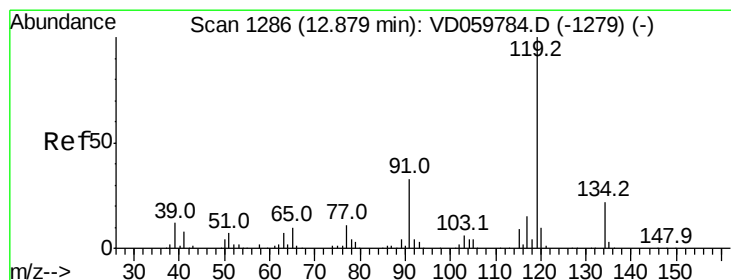
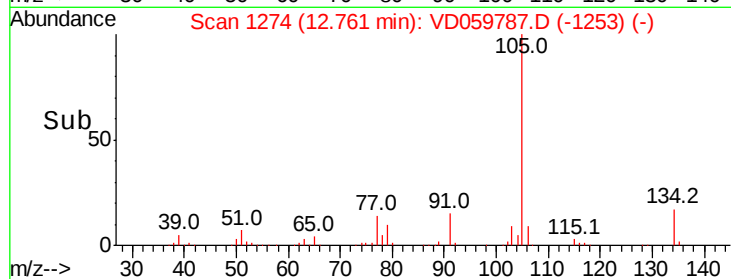
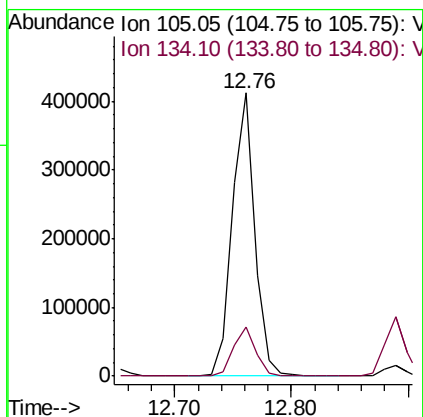
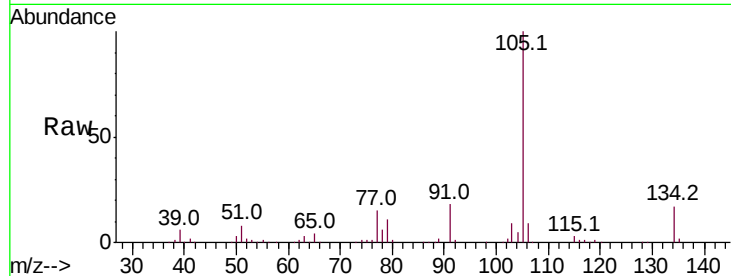




#85
 sec-Butylbenzene
 Concen: 51.786 ug/l
 RT: 12.76 min Scan# 1274
 Delta R.T. 0.01 min
 Lab File: VD059787.D
 Acq: 15 Aug 2018 2:44

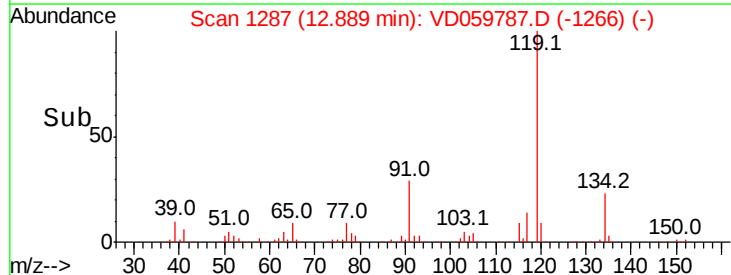
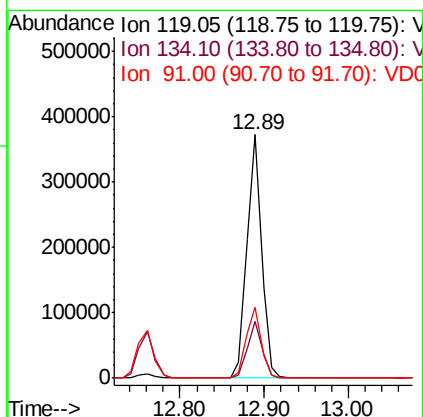
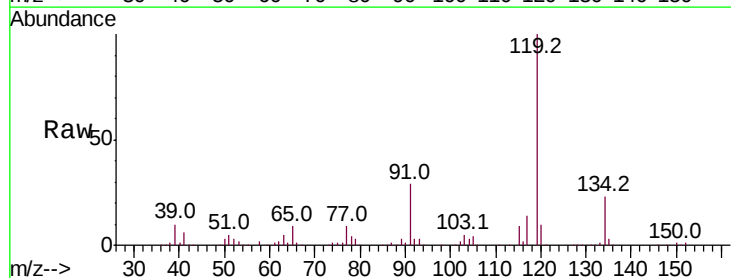
Instrument :
 MSVOA_D
 ClientSampleId :

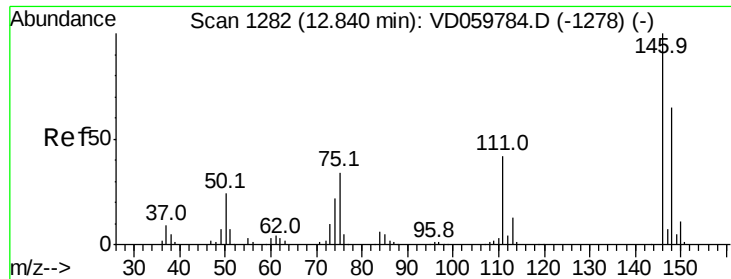
Tot Ion:105 Resp: 546394
 Ion Ratio Lower Upper
 105 100
 134 17.4 8.2 24.4



#86
 p-Isopropyltoluene
 Concen: 51.723 ug/l
 RT: 12.89 min Scan# 1287
 Delta R.T. 0.01 min
 Lab File: VD059787.D
 Acq: 15 Aug 2018 2:44

Tgt Ion:119 Resp: 456651
 Ion Ratio Lower Upper
 119 100
 134 23.1 10.9 32.6
 91 29.0 16.4 49.4

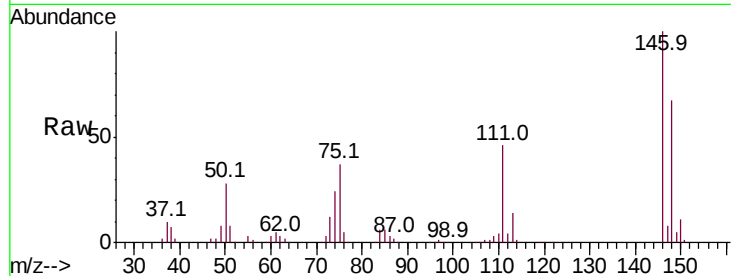




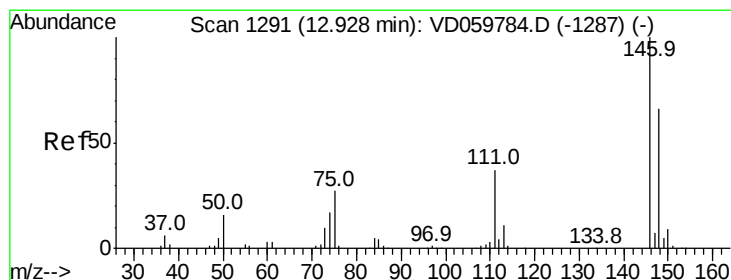
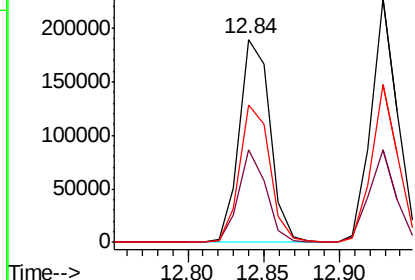
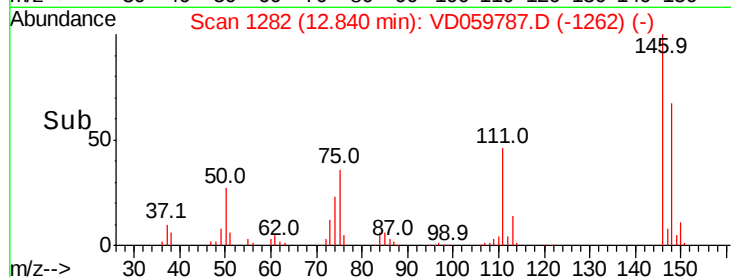
#87
 1,3-Dichlorobenzene
 Concen: 51.006 ug/l
 RT: 12.84 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VD059787.D
 Acq: 15 Aug 2018 2:44

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:146 Resp: 268915
 Ion Ratio Lower Upper
 146 100
 111 45.6 20.9 62.8
 148 67.5 32.6 97.8

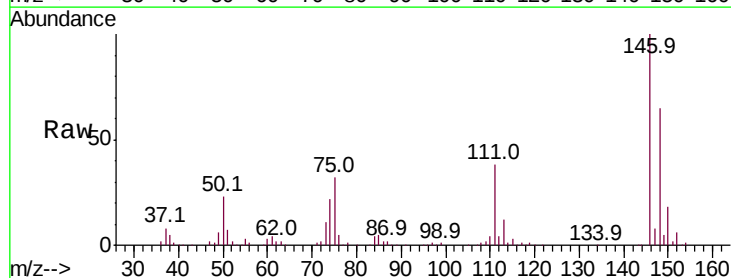


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

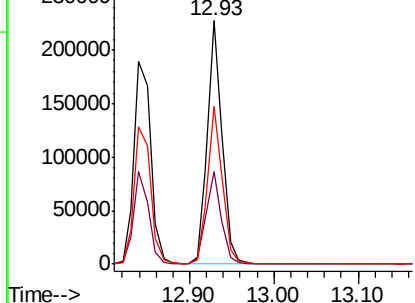
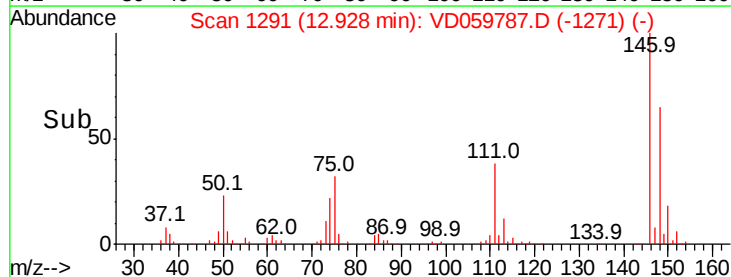


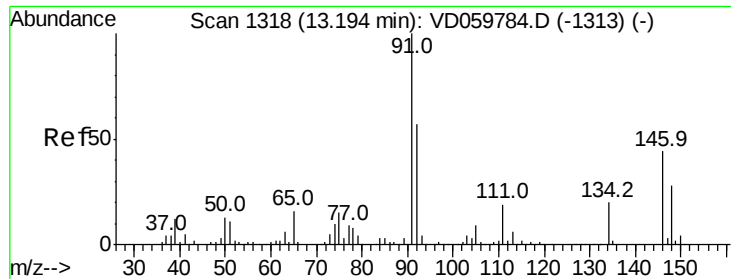
#88
 1,4-Dichlorobenzene
 Concen: 53.343 ug/l
 RT: 12.93 min Scan# 1291
 Delta R.T. 0.00 min
 Lab File: VD059787.D
 Acq: 15 Aug 2018 2:44

Tgt Ion:146 Resp: 278825
 Ion Ratio Lower Upper
 146 100
 111 37.9 18.6 55.6
 148 64.6 33.0 99.0



Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

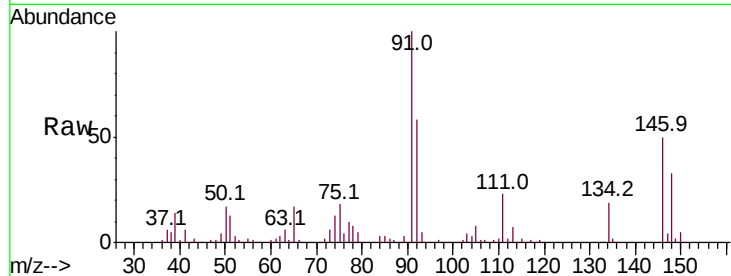




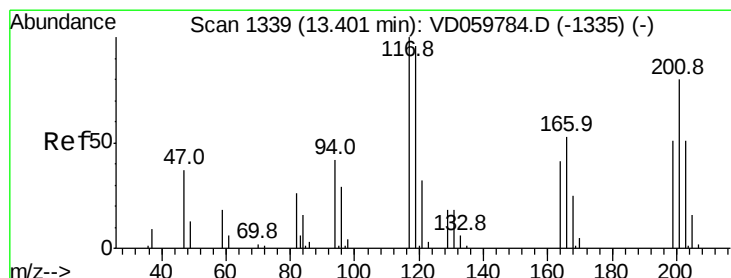
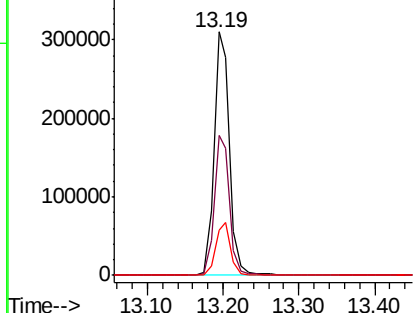
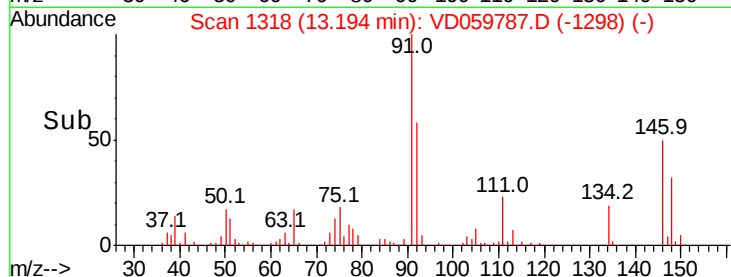
#89
n-Butylbenzene
Concen: 50.090 ug/l
RT: 13.19 min Scan# 1318
Delta R.T. 0.00 min
Lab File: VD059787.D
Acq: 15 Aug 2018 2:44

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 91 Resp: 447132
Ion Ratio Lower Upper
91 100
92 57.5 28.4 85.3
134 18.6 10.2 30.4

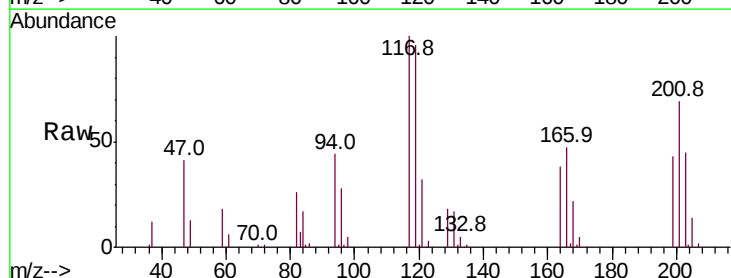


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): V

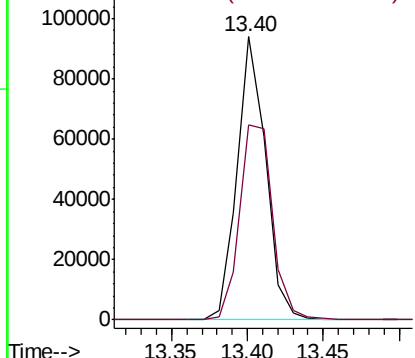
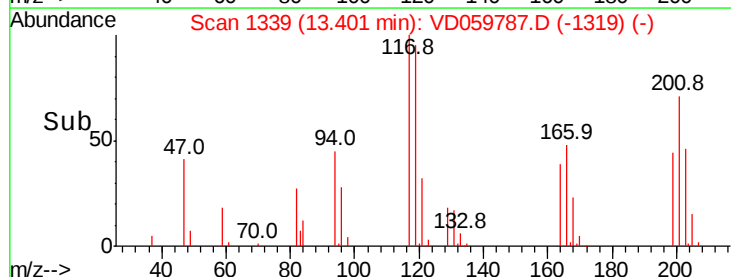


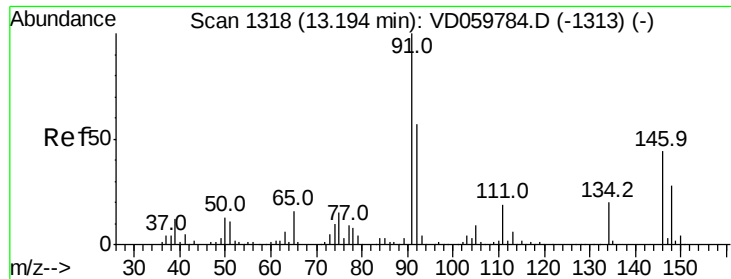
#90
Hexachloroethane
Concen: 55.420 ug/l
RT: 13.40 min Scan# 1339
Delta R.T. 0.00 min
Lab File: VD059787.D
Acq: 15 Aug 2018 2:44

Tgt Ion: 117 Resp: 122779
Ion Ratio Lower Upper
117 100
201 69.1 39.9 119.7



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V

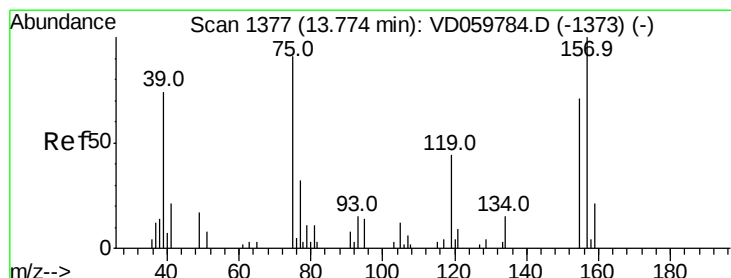
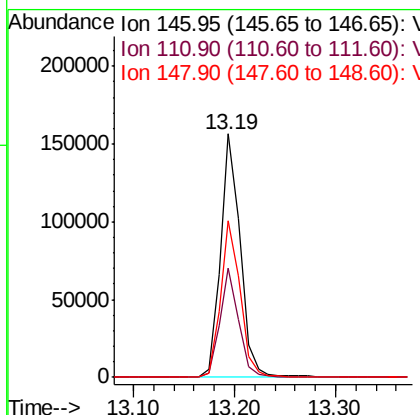
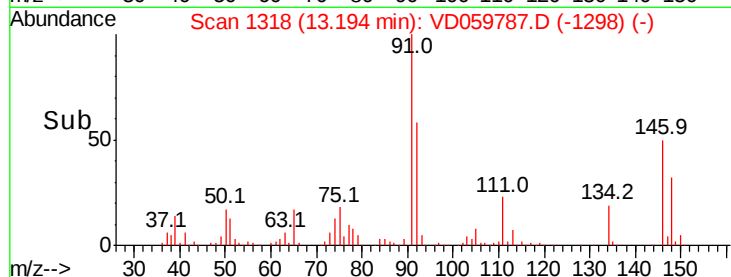
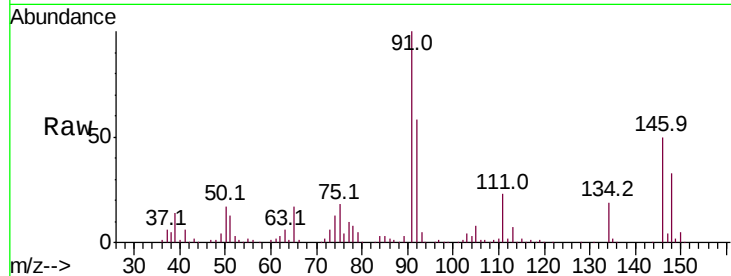




#91
 1,2-Dichlorobenzene
 Concen: 49.405 ug/l
 RT: 13.19 min Scan# 1318
 Delta R.T. 0.00 min
 Lab File: VD059787.D
 Acq: 15 Aug 2018 2:44

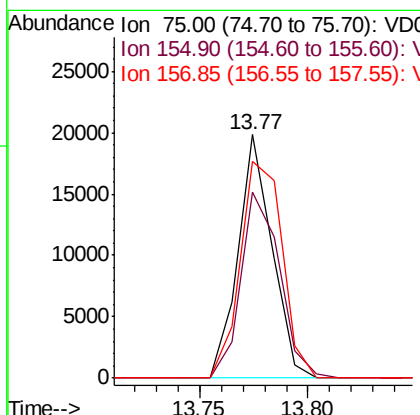
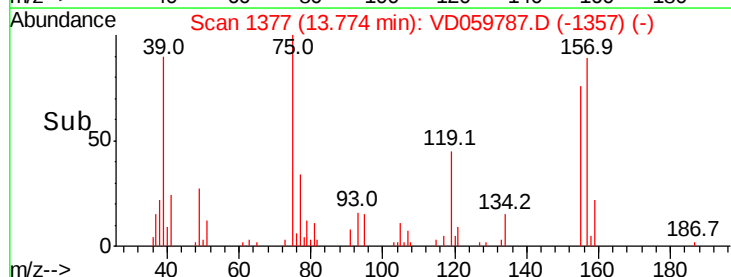
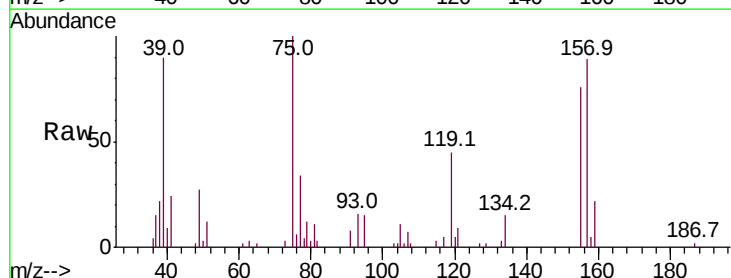
Instrument :
 MSVOA_D
 ClientSampleId :

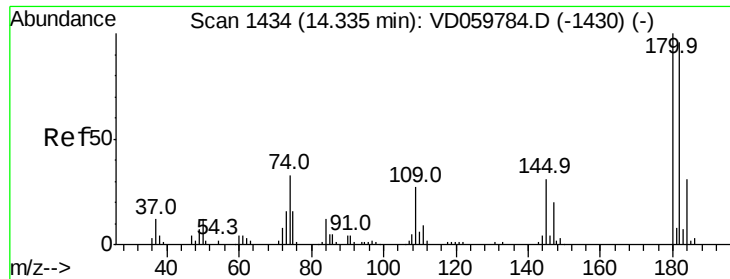
Tot Ion:146 Resp: 214243
 Ion Ratio Lower Upper
 146 100
 111 44.8 21.1 63.1
 148 64.5 32.0 96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 58.451 ug/l
 RT: 13.77 min Scan# 1377
 Delta R.T. 0.00 min
 Lab File: VD059787.D
 Acq: 15 Aug 2018 2:44

Tgt Ion: 75 Resp: 21789
 Ion Ratio Lower Upper
 75 100
 155 76.4 39.0 117.0
 157 89.0 54.8 164.3

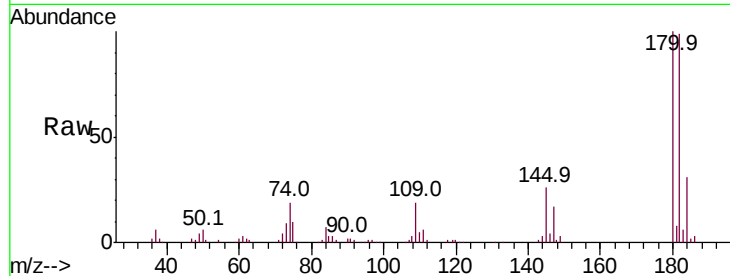




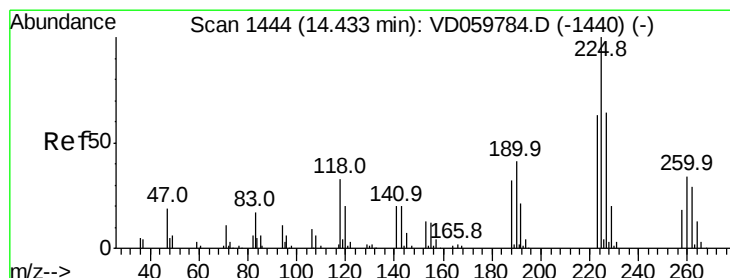
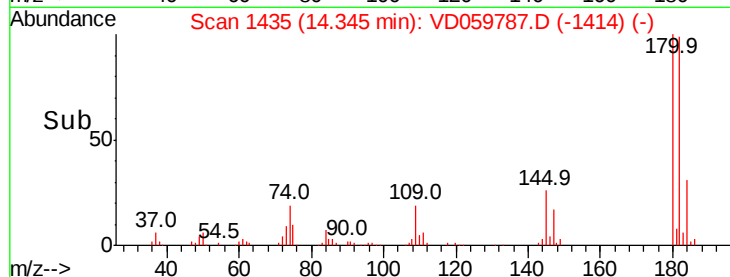
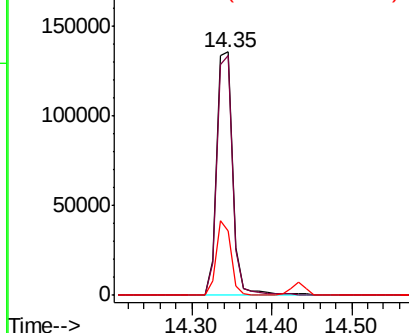
#93
 1,2,4-Trichlorobenzene
 Concen: 53.981 ug/l
 RT: 14.35 min Scan# 1435
 Delta R.T. 0.01 min
 Lab File: VD059787.D
 Acq: 15 Aug 2018 2:44

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 195730
 Ion Ratio Lower Upper
 180 100
 182 98.7 48.0 144.0
 145 26.5 15.5 46.5

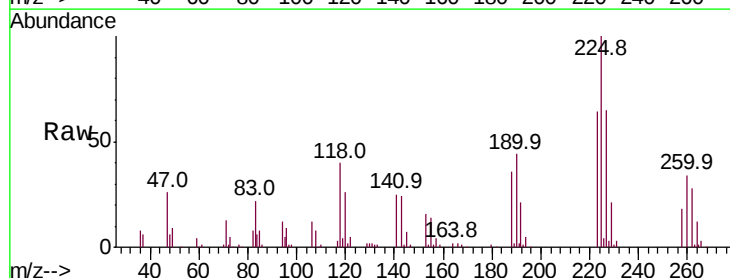


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

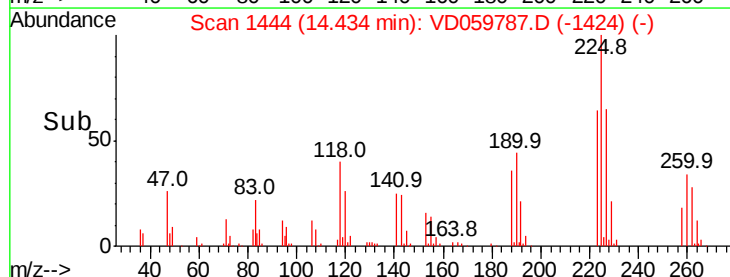
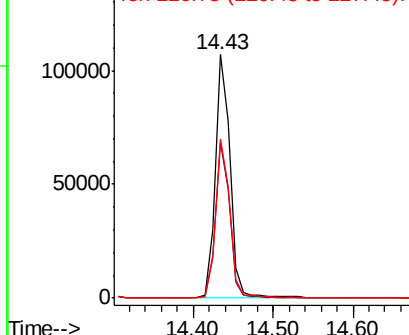


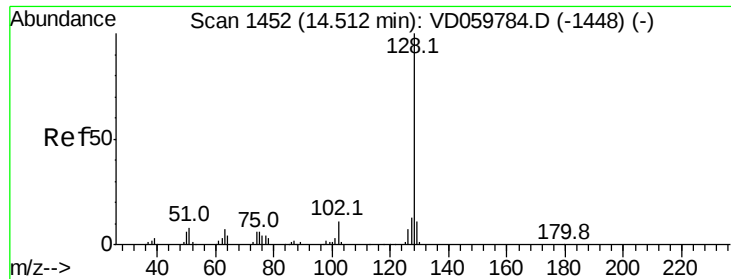
#94
 Hexachlorobutadiene
 Concen: 52.761 ug/l
 RT: 14.43 min Scan# 1444
 Delta R.T. 0.00 min
 Lab File: VD059787.D
 Acq: 15 Aug 2018 2:44

Tgt Ion:225 Resp: 141213
 Ion Ratio Lower Upper
 225 100
 223 64.0 31.4 94.2
 227 65.3 32.1 96.5



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

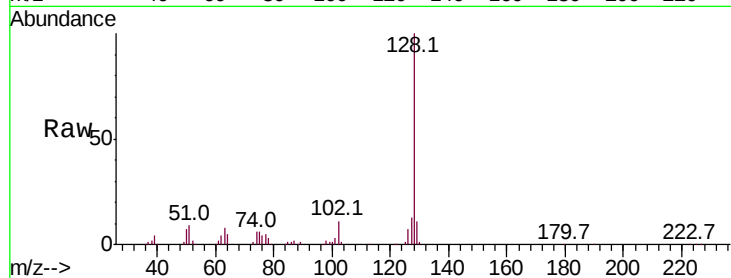




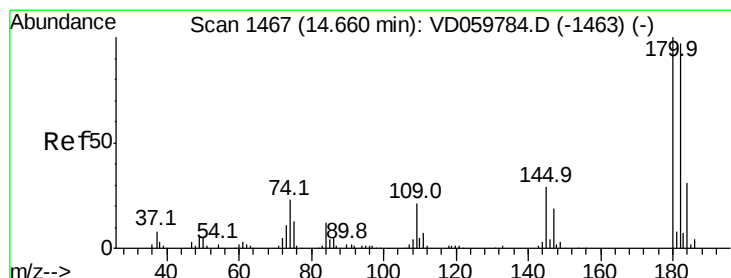
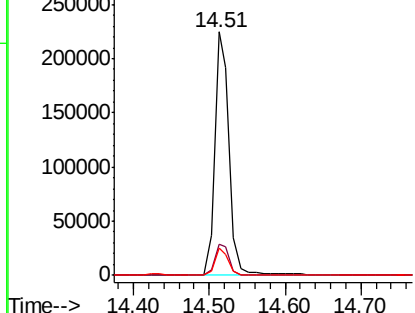
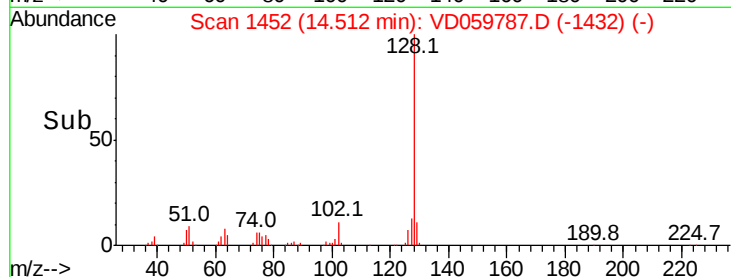
#95
Naphthalene
Concen: 54.408 ug/l
RT: 14.51 min Scan# 1452
Delta R.T. 0.00 min
Lab File: VD059787.D
Acq: 15 Aug 2018 2:44

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 302033
Ion Ratio Lower Upper
128 100
127 12.6 10.3 15.5
129 11.0 9.1 13.7

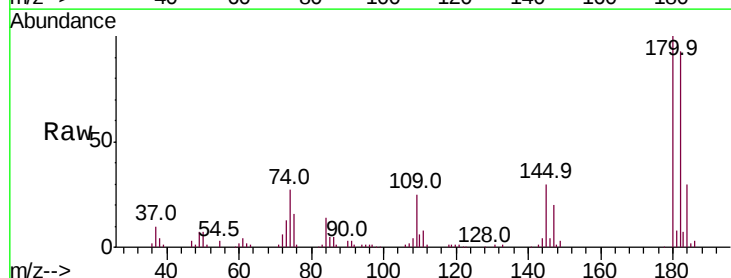


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 53.373 ug/l
RT: 14.66 min Scan# 1467
Delta R.T. 0.00 min
Lab File: VD059787.D
Acq: 15 Aug 2018 2:44

Tgt Ion:180 Resp: 170767
Ion Ratio Lower Upper
180 100
182 93.4 48.5 145.5
145 30.3 14.3 42.9



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

