

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082418\
 Data File : VD059902.D
 Acq On : 24 Aug 2018 13:01
 Operator : JC/SY
 Sample : VD0824SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.38	168	1188094	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	7.42	114	1665102	50.00	ug/l	-0.03
63) Chlorobenzene-d5	11.27	117	1373656	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.36	152	744001	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.76	65	507436	50.67	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	101.34%	
35) Dibromofluoromethane	6.29	113	640928	49.10	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	98.20%	
50) Toluene-d8	9.43	98	1822583	50.31	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	100.62%	
62) 4-Bromofluorobenzene	12.41	95	738179	50.16	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	100.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	190555	17.942	ug/l	100
3) Chloromethane	1.74	50	177678	18.468	ug/l	96
4) Vinyl Chloride	1.84	62	141848	18.803	ug/l	100
5) Bromomethane	2.11	94	12909	9.911	ug/l #	78
6) Chloroethane	2.22	64	33952	12.382	ug/l	98
7) Trichlorofluoromethane	2.48	101	161950	18.557	ug/l	98
8) Diethyl Ether	2.80	74	38231	19.526	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.06	101	116643	21.824	ug/l	96
10) Methyl Iodide	3.21	142	92706	18.619	ug/l	91
11) Tert butyl alcohol	3.95	59	75759	99.151	ug/l	96
12) 1,1-Dichloroethene	3.04	96	84859	20.395	ug/l	95
13) Acrolein	2.96	56	26428	79.747	ug/l	89
14) Allyl chloride	3.50	41	183313	19.474	ug/l	99
15) Acrylonitrile	4.05	53	281696	98.451	ug/l	97
16) Acetone	3.13	43	166407	91.212	ug/l	98
17) Carbon Disulfide	3.28	76	207476	16.064	ug/l	99
18) Methyl Acetate	3.53	43	64623	16.968	ug/l #	92
19) Methyl tert-butyl Ether	4.09	73	457693	19.445	ug/l	99
20) Methylene Chloride	3.69	84	261558	19.186	ug/l	97
21) trans-1,2-Dichloroethene	4.06	96	209798	18.301	ug/l	94
22) Diisopropyl ether	4.83	45	980869	20.432	ug/l	98
23) Vinyl Acetate	4.77	43	2797870	104.257	ug/l	99
24) 1,1-Dichloroethane	4.72	63	423234	20.407	ug/l	100
25) 2-Butanone	5.60	43	462872	85.665	ug/l	100
26) 2,2-Dichloropropane	5.56	77	351164	20.255	ug/l	97
27) cis-1,2-Dichloroethene	5.57	96	247529	19.720	ug/l	97
28) Bromochloromethane	5.90	49	207854	20.911	ug/l	96
29) Tetrahydrofuran	5.93	42	241074	93.716	ug/l	98
30) Chloroform	6.08	83	428048	20.309	ug/l	100
31) Cyclohexane	6.34	56	335429	17.593	ug/l	98
32) 1,1,1-Trichloroethane	6.26	97	355051	19.848	ug/l	99
36) 1,1-Dichloropropene	6.50	75	292692	19.391	ug/l	97
37) Ethyl Acetate	5.67	43	213860	18.208	ug/l	99
38) Carbon Tetrachloride	6.47	117	296399	19.458	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.02	83	302386	18.542	ug/l	98
40) Benzene	6.77	78	788426	20.088	ug/l	100
41) Methacrylonitrile	5.92	41	255971	43.263	ug/l #	85
42) 1,2-Dichloroethane	6.87	62	255937	20.313	ug/l	98
43) Isopropyl Acetate	8.33	43	291037	19.046	ug/l	97
44) Trichloroethene	7.72	130	219808	19.021	ug/l	92
45) 1,2-Dichloropropane	8.08	63	223020	20.329	ug/l	99
46) Dibromomethane	8.19	93	133600	18.940	ug/l	98
47) Bromodichloromethane	8.47	83	324605	20.327	ug/l	99
48) Methyl methacrylate	8.22	41	171213	19.221	ug/l	97
49) 1,4-Dioxane	8.21	88	31102	391.090	ug/l	97
51) 4-Methyl-2-Pentanone	9.32	43	971801	85.305	ug/l	96
52) Toluene	9.53	92	498466	19.806	ug/l	99
53) t-1,3-Dichloropropene	9.91	75	291521	19.737	ug/l	100
54) cis-1,3-Dichloropropene	9.08	75	337800	19.726	ug/l	97
55) 1,1,2-Trichloroethane	10.16	97	185343	20.147	ug/l	98
56) Ethyl methacrylate	10.01	69	202287	19.053	ug/l	97
57) 1,3-Dichloropropane	10.37	76	271070	20.358	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.90	63	565600	111.050	ug/l	99
59) 2-Hexanone	10.48	43	753584	89.684	ug/l	99
60) Dibromochloromethane	10.62	129	226581	19.595	ug/l	99
61) 1,2-Dibromoethane	10.74	107	170500	18.330	ug/l	98
64) Tetrachloroethene	10.23	164	210423	19.811	ug/l	97
65) Chlorobenzene	11.30	112	564219	20.670	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.41	131	211836	21.242	ug/l	99
67) Ethyl Benzene	11.42	91	977792	21.292	ug/l	100
68) m/p-Xylenes	11.56	106	712450	42.610	ug/l	99
69) o-Xylene	11.92	106	342310	20.932	ug/l	90
70) Styrene	11.94	104	605494	21.383	ug/l	96
71) Bromoform	12.11	173	169646	19.660	ug/l #	98
73) Isopropylbenzene	12.27	105	997572	21.005	ug/l	99
74) N-amyl acetate	12.12	43	403804	19.418	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.55	83	212769	19.368	ug/l	99
76) 1,2,3-Trichloropropane	12.59	75	223198	19.302	ug/l	99
77) Bromobenzene	12.53	156	272388	20.686	ug/l	87
78) n-propylbenzene	12.63	91	1258513	20.927	ug/l	99
79) 2-Chlorotoluene	12.70	91	705001	20.729	ug/l	95
80) 1,3,5-Trimethylbenzene	12.78	105	787250	20.849	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.34	75	66822	18.577	ug/l	95
82) 4-Chlorotoluene	12.80	91	811457	20.918	ug/l	94
83) tert-Butylbenzene	13.03	119	908863	21.130	ug/l	93
84) 1,2,4-Trimethylbenzene	13.08	105	836399	21.252	ug/l	99
85) sec-Butylbenzene	13.21	105	1064454	21.044	ug/l	98
86) p-Isopropyltoluene	13.33	119	859415	20.891	ug/l	96
87) 1,3-Dichlorobenzene	13.30	146	488191	20.767	ug/l	98
88) 1,4-Dichlorobenzene	13.38	146	490501	20.913	ug/l	97
89) n-Butylbenzene	13.64	91	926162	20.895	ug/l	95
90) Hexachloroethane	13.85	117	215803	19.537	ug/l	85
91) 1,2-Dichlorobenzene	13.65	146	439372	21.981	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.22	75	30431	18.017	ug/l	70

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Quant Title : SW846 8260
QLast Update : Thu Aug 23 03:03:08 2018
Response via : Initial Calibration

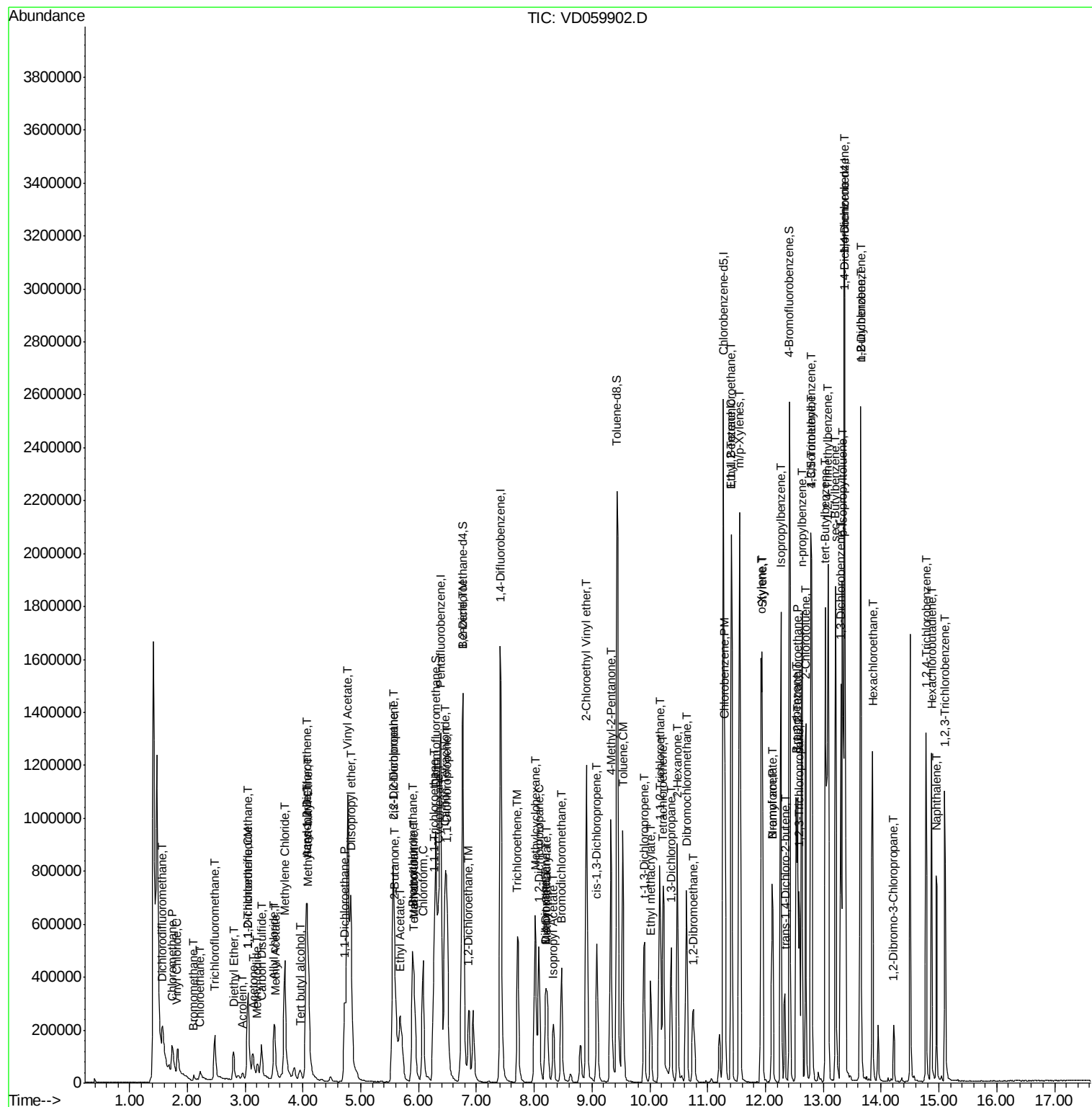
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	337804	19.737	ug/l	97
94) Hexachlorobutadiene	14.88	225	233935	20.852	ug/l	99
95) Naphthalene	14.96	128	512483	19.594	ug/l	100
96) 1,2,3-Trichlorobenzene	15.10	180	288928	19.739	ug/l	96

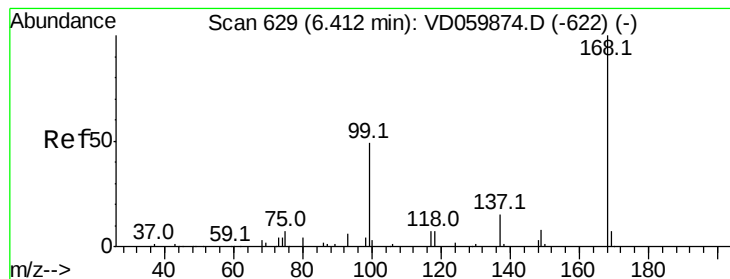
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_D
ClientSampled :

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.38 min Scan# 626

Delta R.T. -0.03 min

Lab File: VD059902.D

Acq: 24 Aug 2018 13:01

Instrument :

MSVOA_D

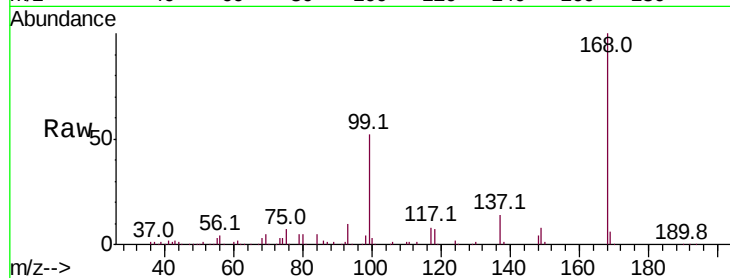
ClientSampled :

Tot Ion:168 Resp: 1188094

Ion Ratio Lower Upper

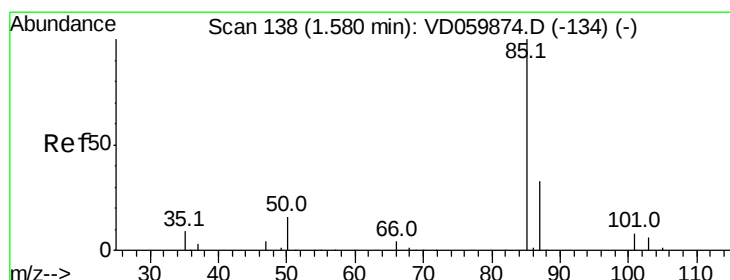
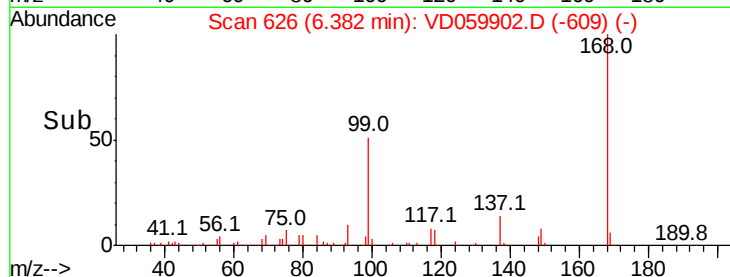
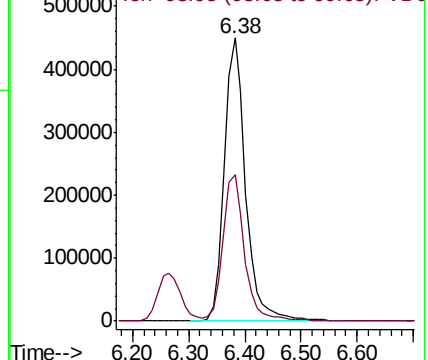
168 100

99 51.7 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 17.942 ug/l

RT: 1.57 min Scan# 137

Delta R.T. -0.01 min

Lab File: VD059902.D

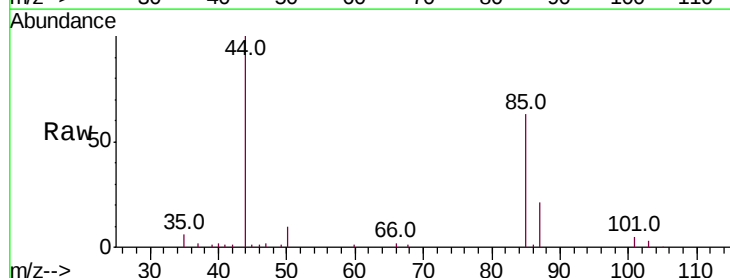
Acq: 24 Aug 2018 13:01

Tgt Ion: 85 Resp: 190555

Ion Ratio Lower Upper

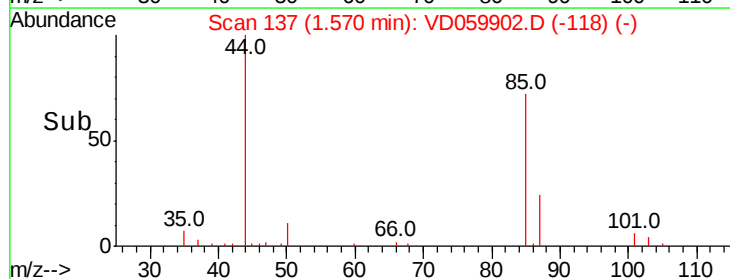
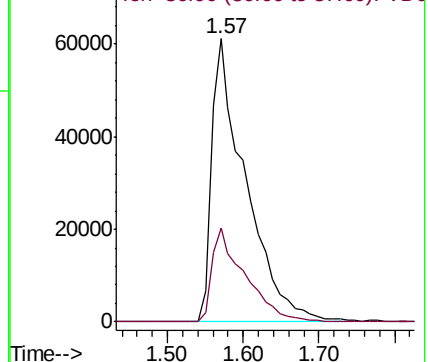
85 100

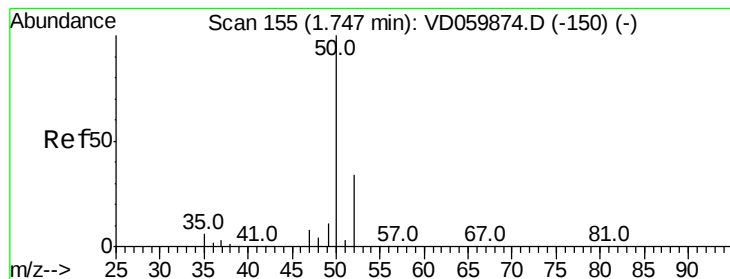
87 33.4 16.8 50.3



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 18.468 ug/l

RT: 1.74 min Scan# 154

Delta R.T. -0.01 min

Lab File: VD059902.D

Acq: 24 Aug 2018 13:01

Instrument :

MSVOA_D

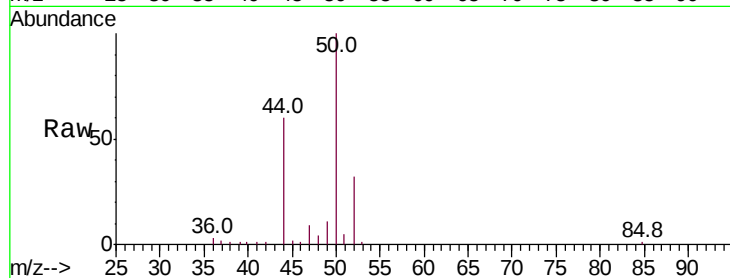
ClientSampleId :

Tot Ion: 50 Resp: 177678

Ion Ratio Lower Upper

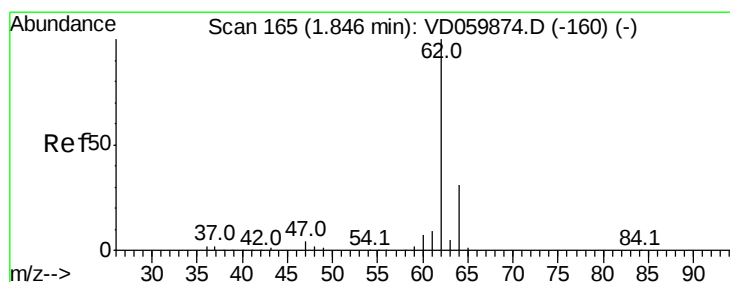
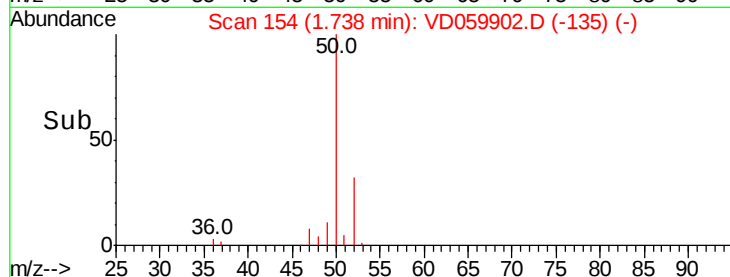
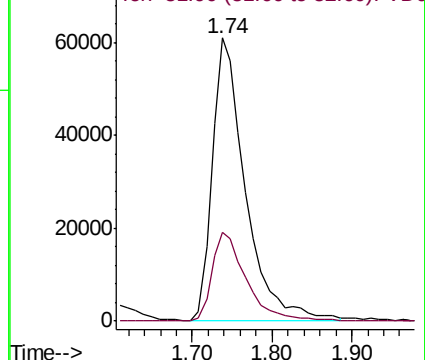
50 100

52 31.5 27.0 40.6



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 18.803 ug/l

RT: 1.84 min Scan# 164

Delta R.T. -0.01 min

Lab File: VD059902.D

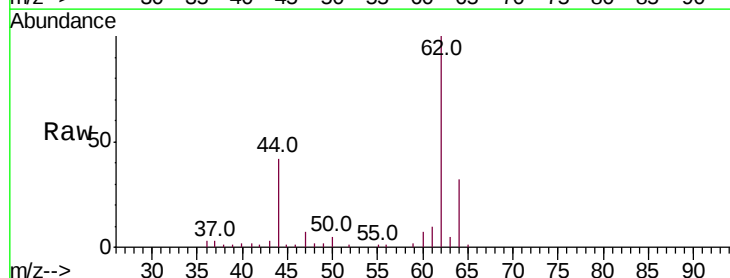
Acq: 24 Aug 2018 13:01

Tgt Ion: 62 Resp: 141848

Ion Ratio Lower Upper

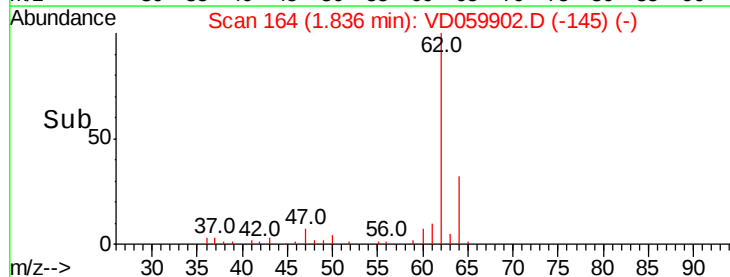
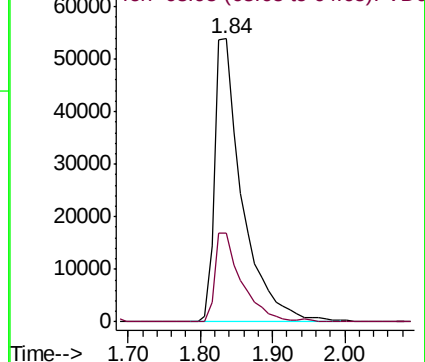
62 100

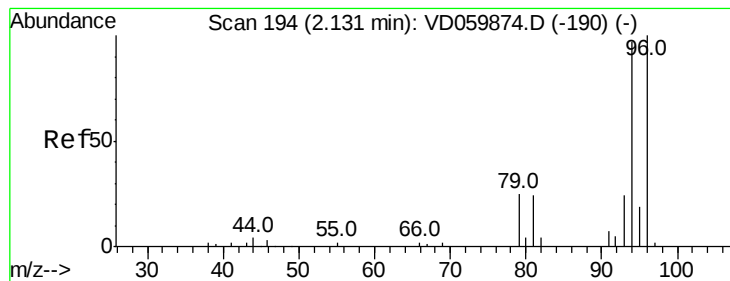
64 31.5 25.0 37.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 9.911 ug/l

RT: 2.11 min Scan# 192

Delta R.T. -0.02 min

Lab File: VD059902.D

Acq: 24 Aug 2018 13:01

Instrument :

MSVOA_D

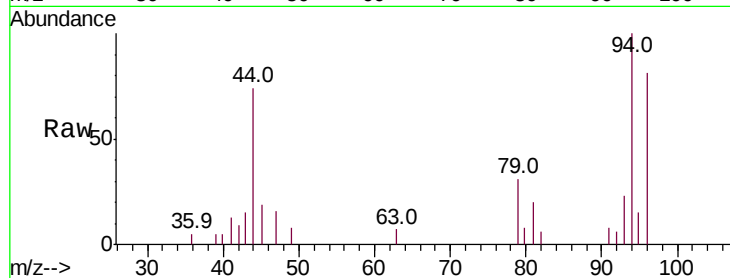
ClientSampleId :

Tot Ion: 94 Resp: 12909

Ion Ratio Lower Upper

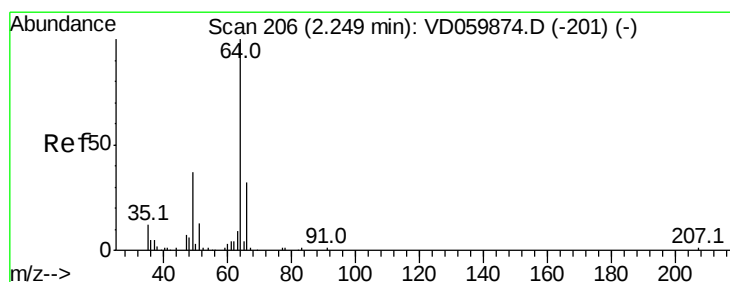
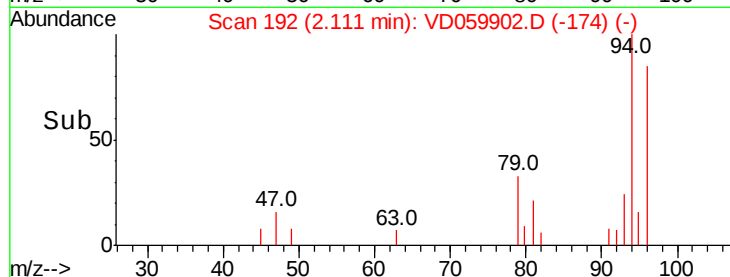
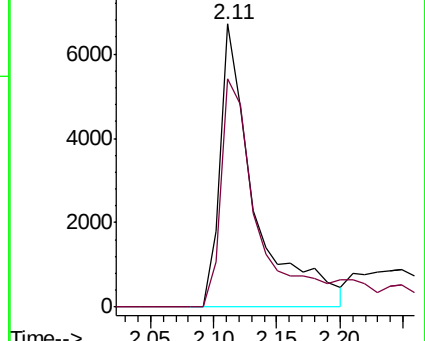
94 100

96 80.7 82.4 123.6#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 12.382 ug/l

RT: 2.22 min Scan# 203

Delta R.T. -0.03 min

Lab File: VD059902.D

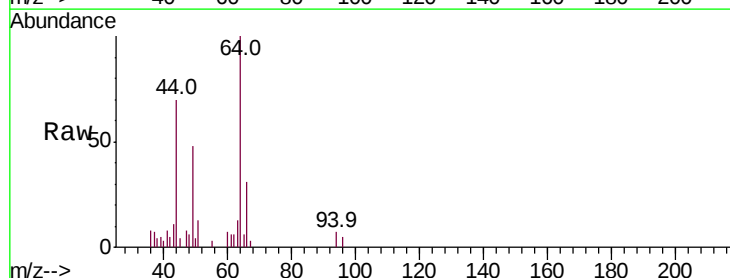
Acq: 24 Aug 2018 13:01

Tgt Ion: 64 Resp: 33952

Ion Ratio Lower Upper

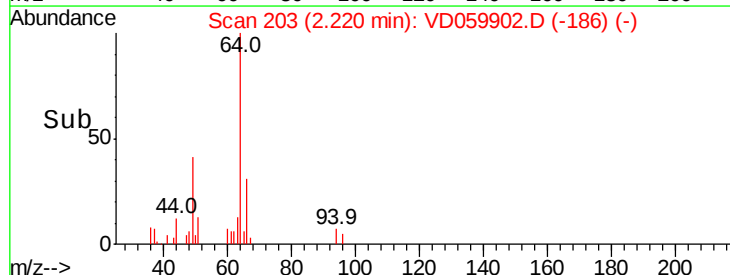
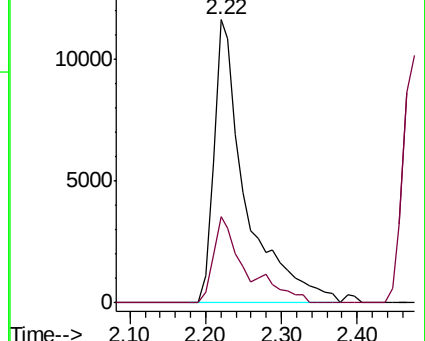
64 100

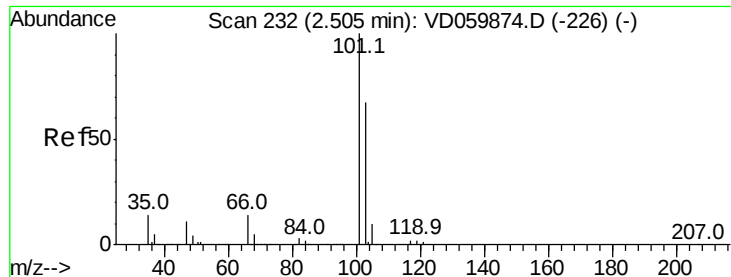
66 30.7 25.3 37.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



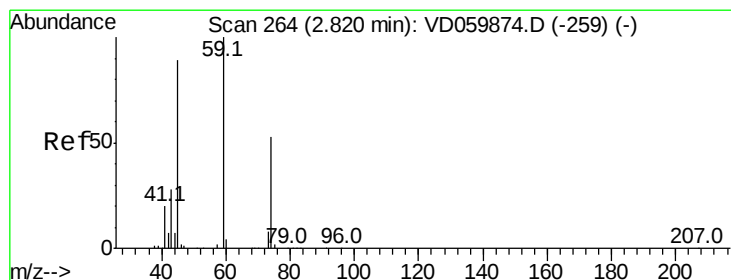
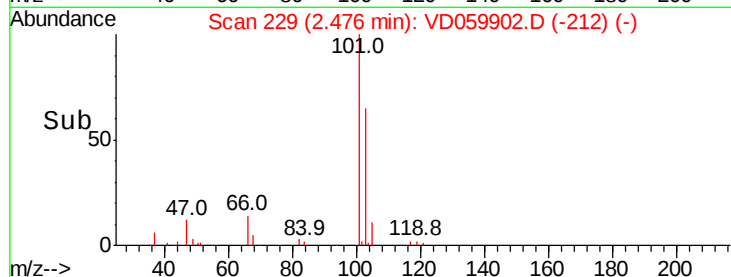
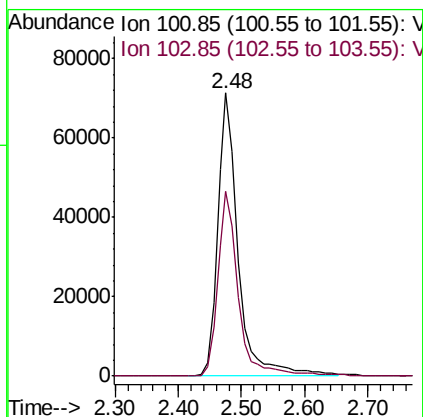
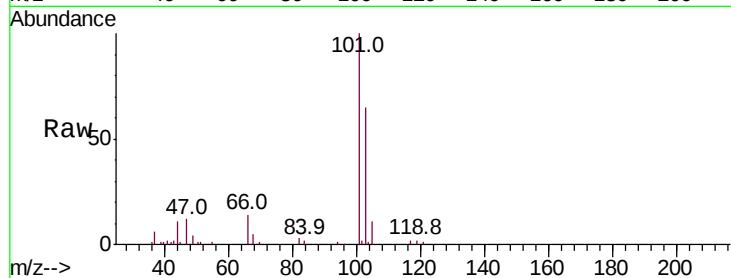


#7

Trichlorofluoromethane
Concen: 18.557 ug/l
RT: 2.48 min Scan# 229
Delta R.T. -0.03 min
Lab File: VD059902.D
Acq: 24 Aug 2018 13:01

Instrument :
MSVOA_D
ClientSampled :

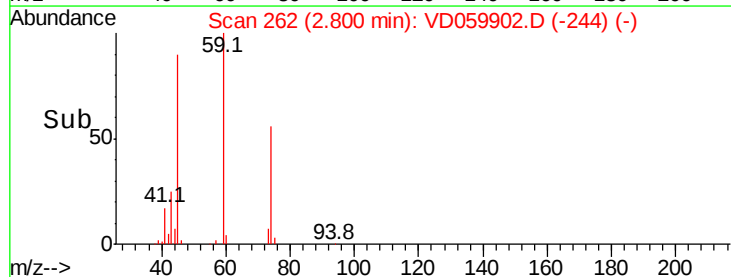
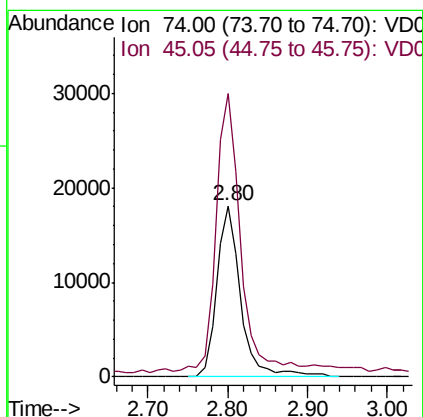
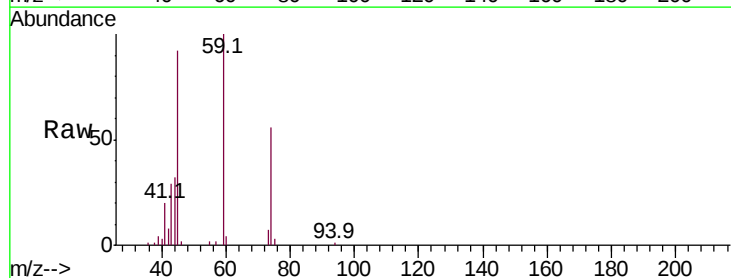
Tot Ion:101 Resp: 161950
Ion Ratio Lower Upper
101 100
103 65.3 53.7 80.5

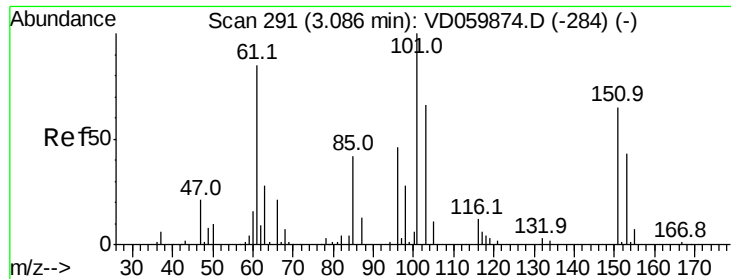


#8

Diethyl Ether
Concen: 19.526 ug/l
RT: 2.80 min Scan# 262
Delta R.T. -0.02 min
Lab File: VD059902.D
Acq: 24 Aug 2018 13:01

Tgt Ion: 74 Resp: 38231
Ion Ratio Lower Upper
74 100
45 165.5 85.7 257.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.824 ug/l

RT: 3.06 min Scan# 288

Delta R.T. -0.03 min

Lab File: VD059902.D

Acq: 24 Aug 2018 13:01

Instrument :

MSVOA_D

ClientSampled :

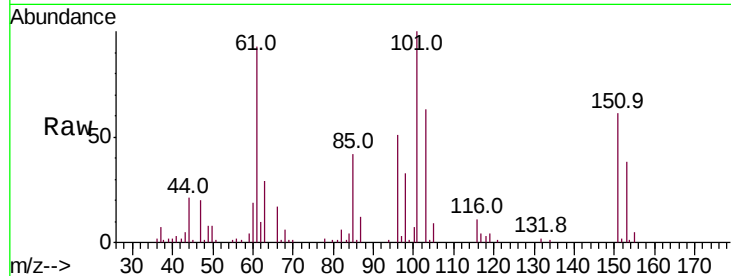
Tot Ion:101 Resp: 116643

Ion Ratio Lower Upper

101 100

85 42.3 33.6 50.4

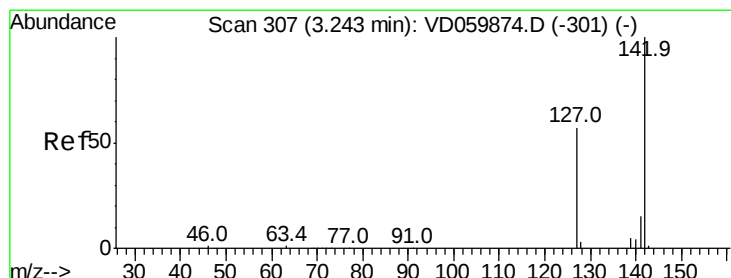
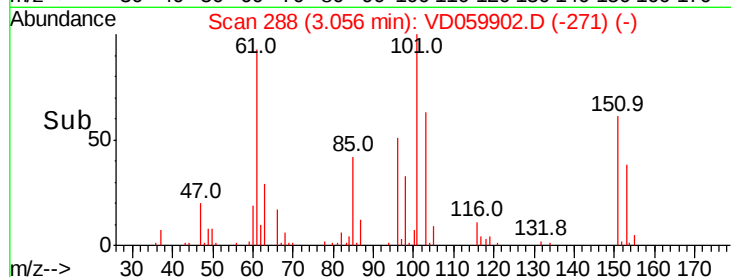
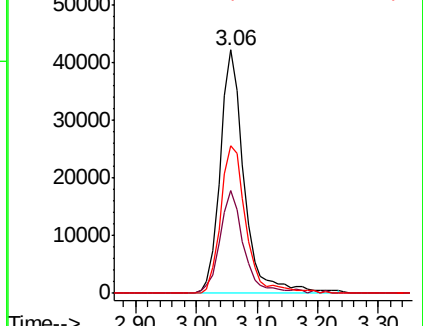
151 60.6 52.0 78.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 18.619 ug/l

RT: 3.21 min Scan# 304

Delta R.T. -0.03 min

Lab File: VD059902.D

Acq: 24 Aug 2018 13:01

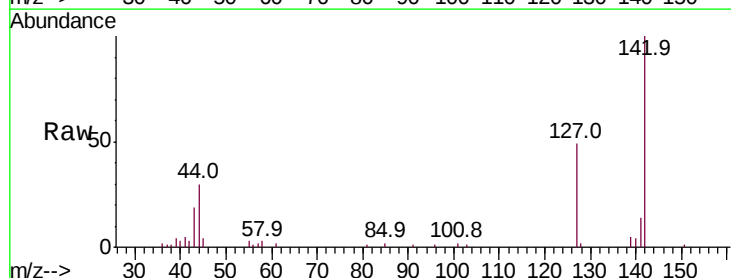
Tgt Ion:142 Resp: 92706

Ion Ratio Lower Upper

142 100

127 49.1 45.8 68.6

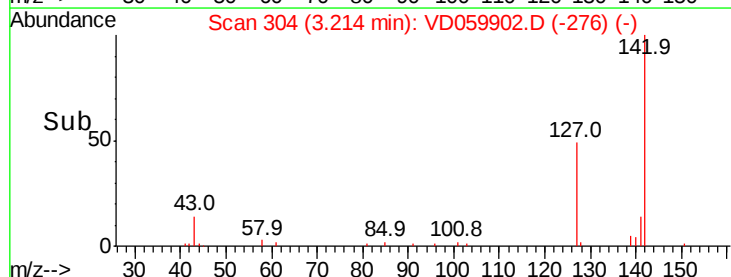
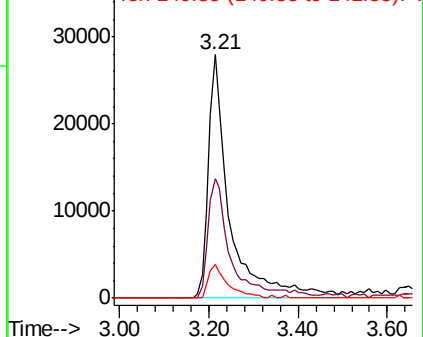
141 13.8 11.6 17.4

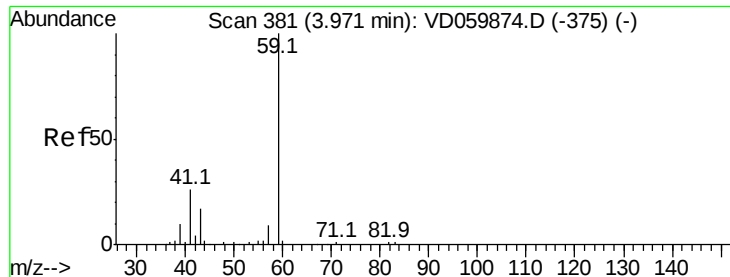


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

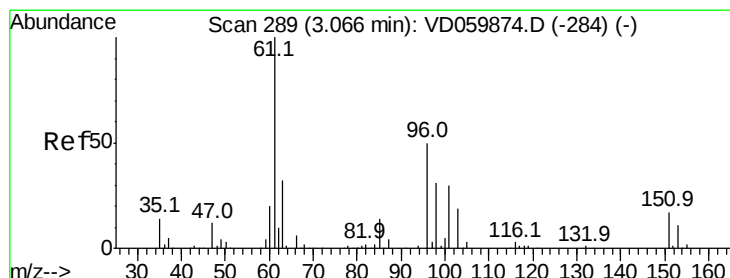
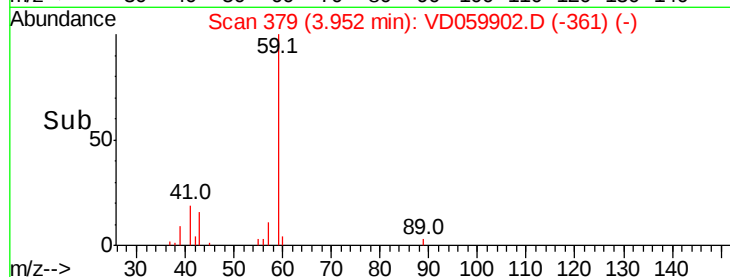
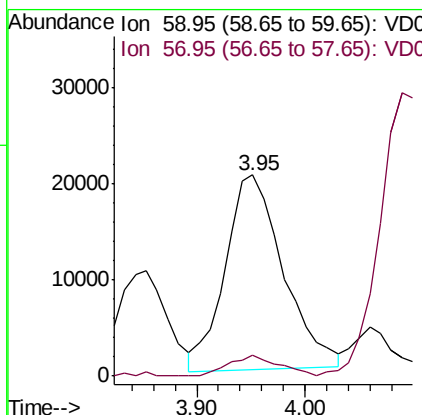
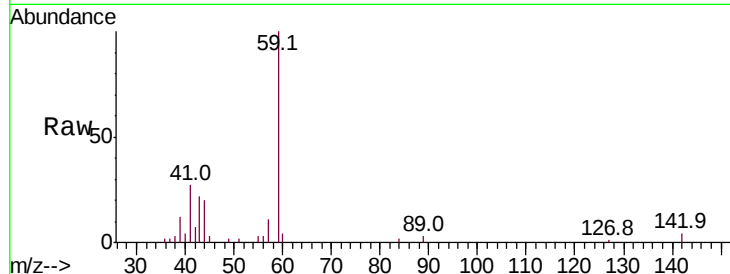




#11
Tert butyl alcohol
Concen: 99.151 ug/l
RT: 3.95 min Scan# 379
Delta R.T. -0.02 min
Lab File: VD059902.D
Acq: 24 Aug 2018 13:01

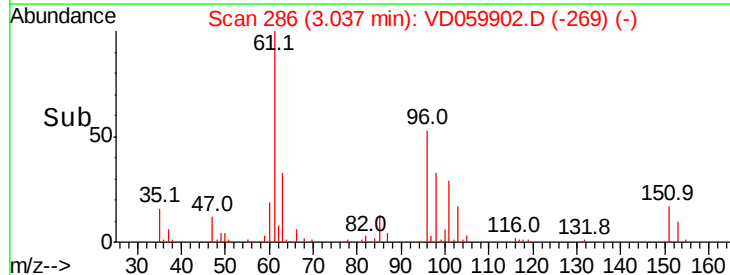
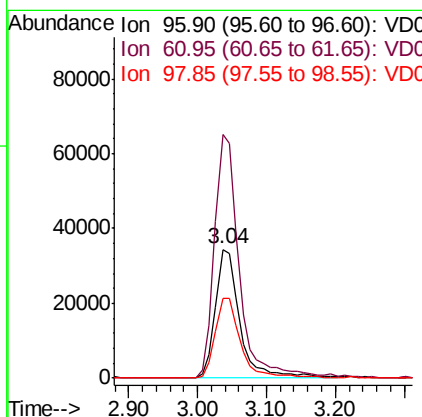
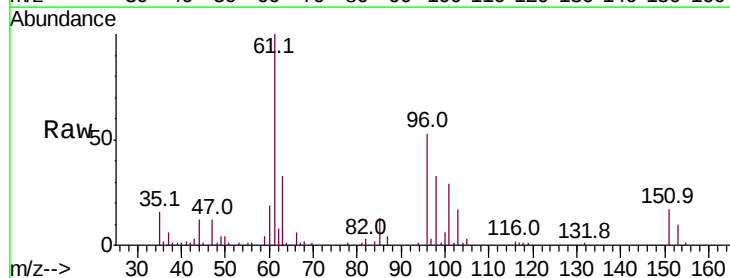
Instrument :
MSVOA_D
ClientSampleId :

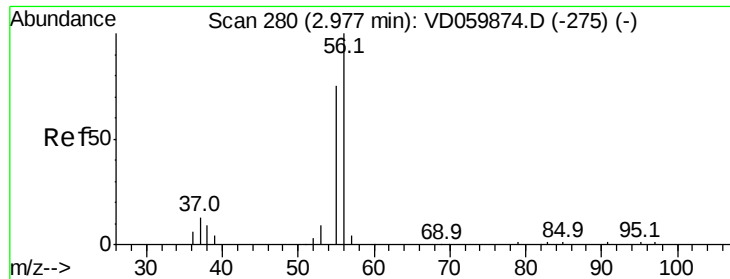
Tot Ion: 59 Resp: 75759
Ion Ratio Lower Upper
59 100
57 10.7 7.4 11.0



#12
1,1-Dichloroethene
Concen: 20.395 ug/l
RT: 3.04 min Scan# 286
Delta R.T. -0.03 min
Lab File: VD059902.D
Acq: 24 Aug 2018 13:01

Tgt Ion: 96 Resp: 84859
Ion Ratio Lower Upper
96 100
61 189.5 158.8 238.2
98 61.8 48.7 73.1





#13

Acrolein

Concen: 79.747 ug/l

RT: 2.96 min Scan# 278

Delta R.T. -0.02 min

Lab File: VD059902.D

Acq: 24 Aug 2018 13:01

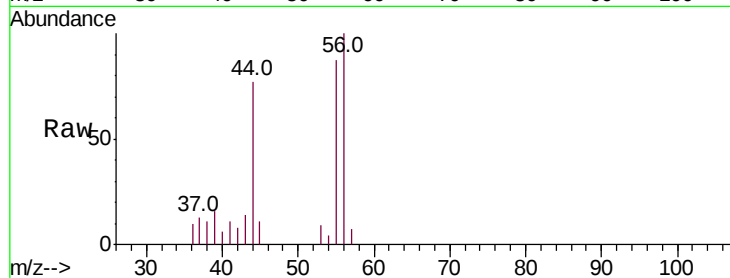
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 26428

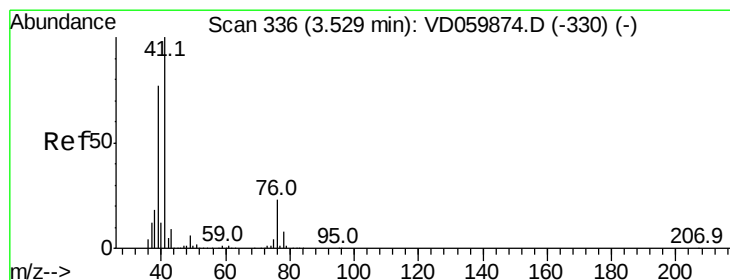
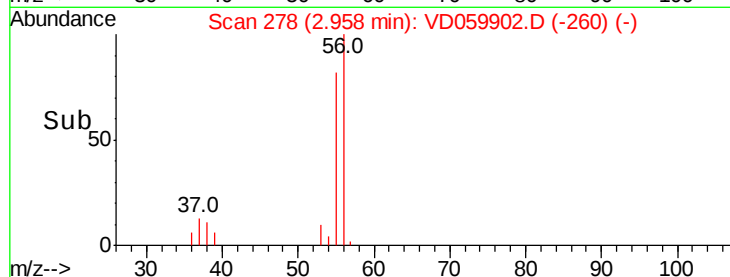
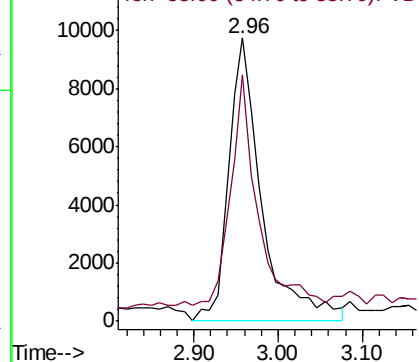
Ion Ratio Lower Upper

56 100

55 87.1 61.9 92.9



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



#14

Allyl chloride

Concen: 19.474 ug/l

RT: 3.50 min Scan# 333

Delta R.T. -0.03 min

Lab File: VD059902.D

Acq: 24 Aug 2018 13:01

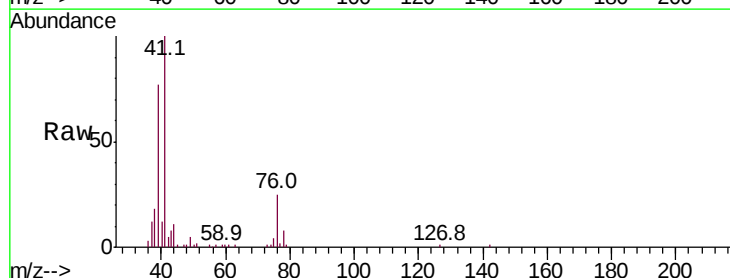
Tgt Ion: 41 Resp: 183313

Ion Ratio Lower Upper

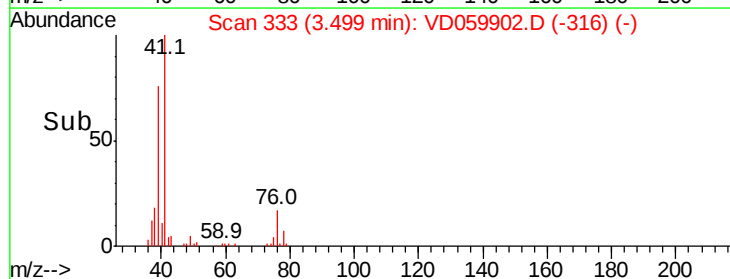
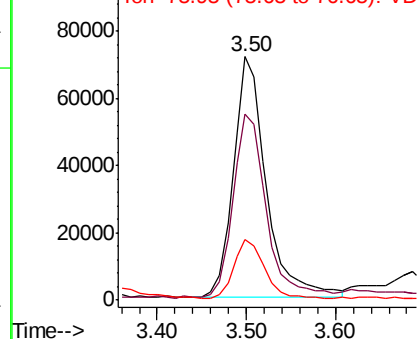
41 100

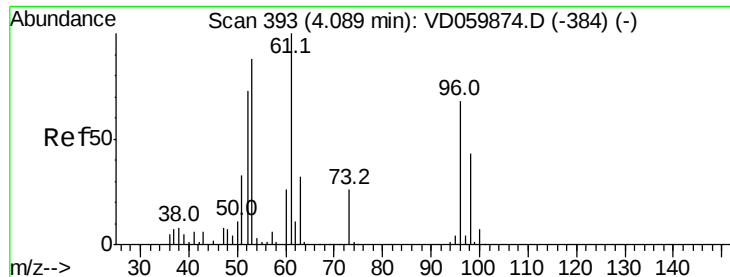
39 76.6 61.8 92.6

76 25.0 19.4 29.2



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: 98.451 ug/l

RT: 4.05 min Scan# 389

Delta R.T. -0.04 min

Lab File: VD059902.D

Acq: 24 Aug 2018 13:01

Instrument :
MSVOA_D
ClientSampled :

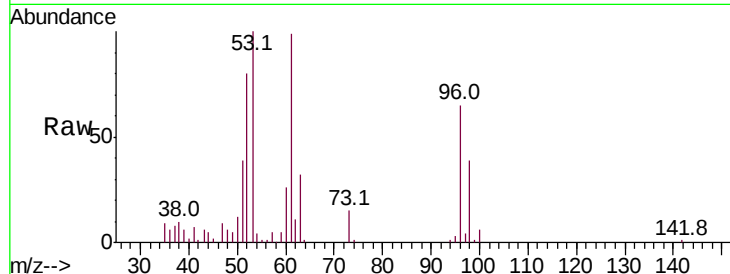
Tot Ion: 53 Resp: 281696

Ion Ratio Lower Upper

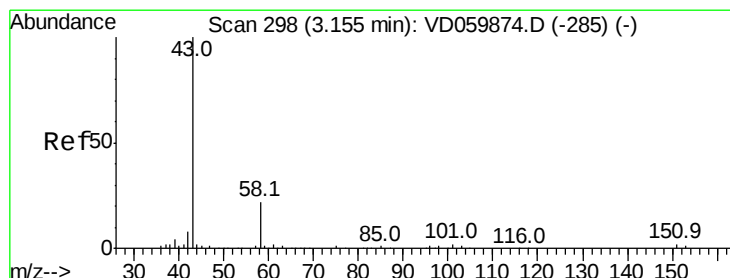
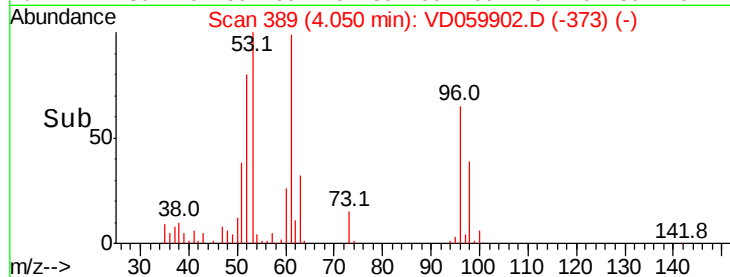
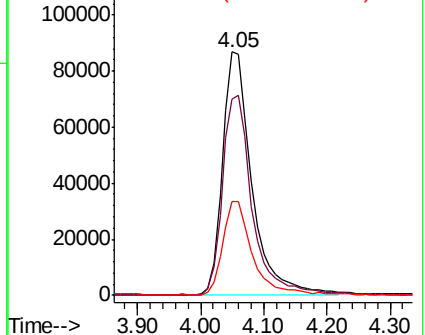
53 100

52 80.5 66.9 100.3

51 38.8 30.3 45.5



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



#16

Acetone

Concen: 91.212 ug/l

RT: 3.13 min Scan# 296

Delta R.T. -0.02 min

Lab File: VD059902.D

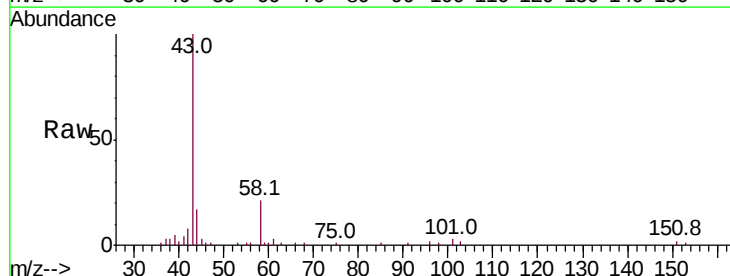
Acq: 24 Aug 2018 13:01

Tgt Ion: 43 Resp: 166407

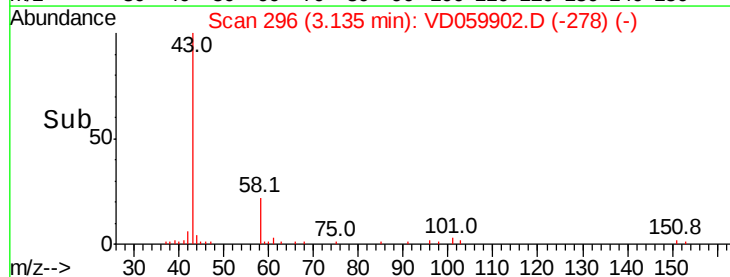
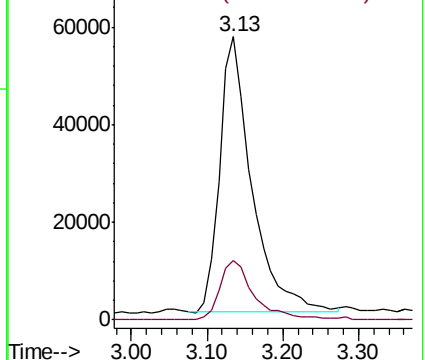
Ion Ratio Lower Upper

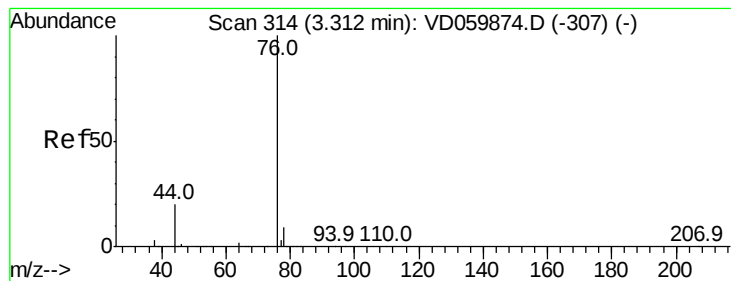
43 100

58 21.1 17.6 26.4



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





#17

Carbon Disulfide

Concen: 16.064 ug/l

RT: 3.28 min Scan# 311

Delta R.T. -0.03 min

Lab File: VD059902.D

Acq: 24 Aug 2018 13:01

Instrument :

MSVOA_D

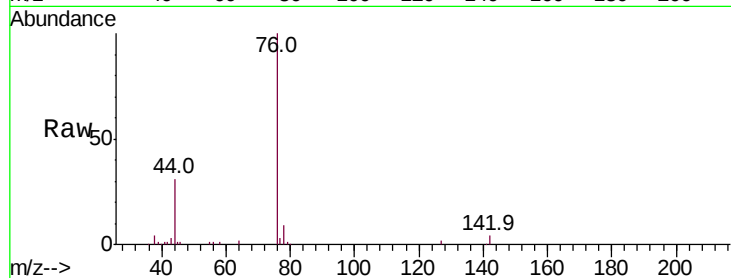
ClientSampleId :

Tot Ion: 76 Resp: 207476

Ion Ratio Lower Upper

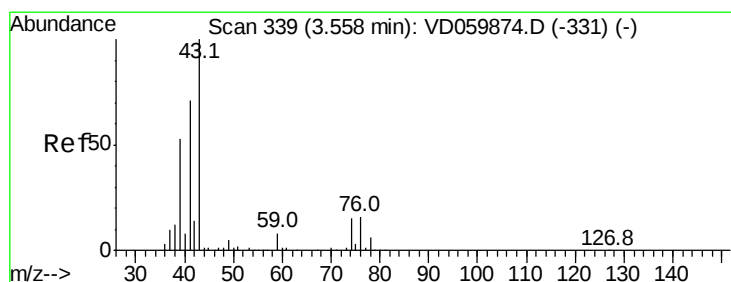
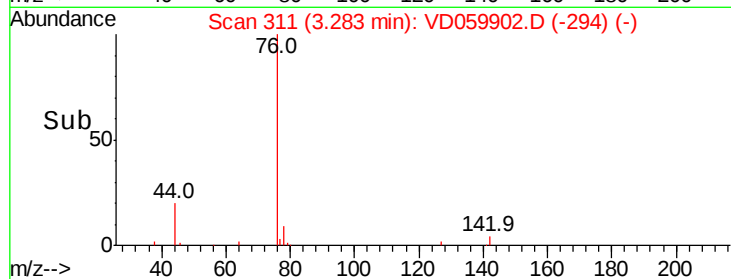
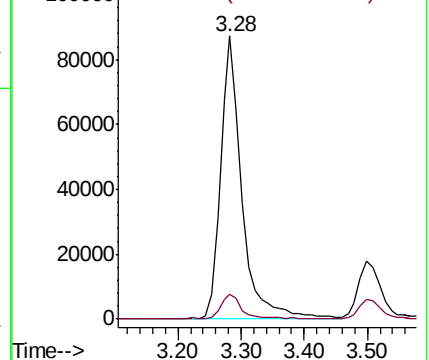
76 100

78 8.9 7.4 11.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 16.968 ug/l

RT: 3.53 min Scan# 336

Delta R.T. -0.03 min

Lab File: VD059902.D

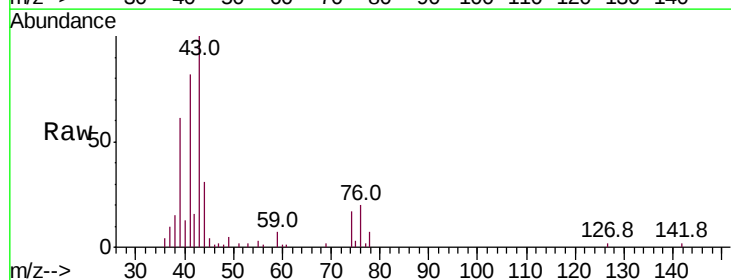
Acq: 24 Aug 2018 13:01

Tgt Ion: 43 Resp: 64623

Ion Ratio Lower Upper

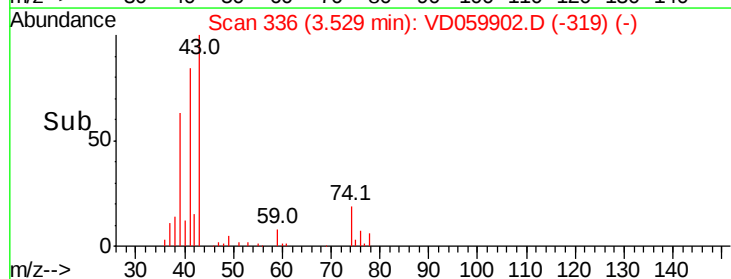
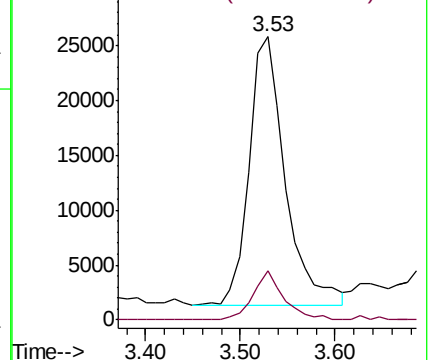
43 100

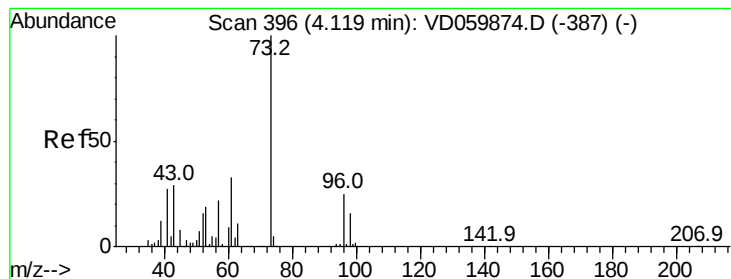
74 17.4 11.2 16.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



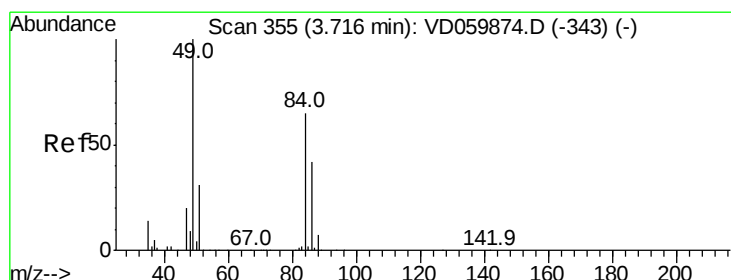
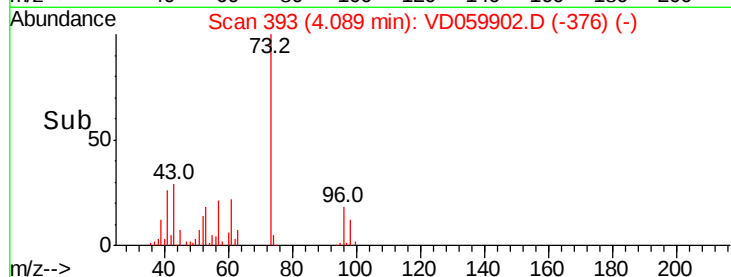
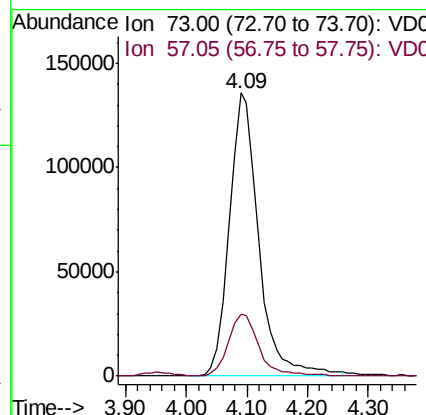
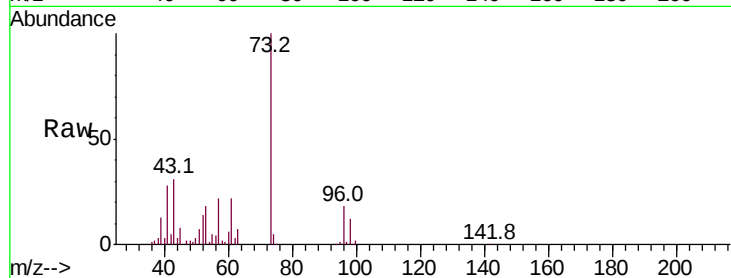


#19

Methyl tert-butyl Ether
 Concen: 19.445 ug/l
 RT: 4.09 min Scan# 393
 Delta R.T. -0.03 min
 Lab File: VD059902.D
 Acq: 24 Aug 2018 13:01

Instrument :
 MSVOA_D
 ClientSampleID :

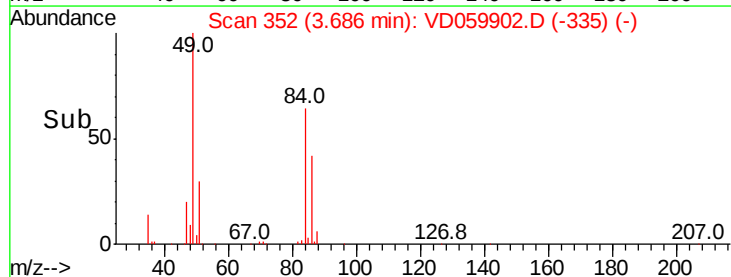
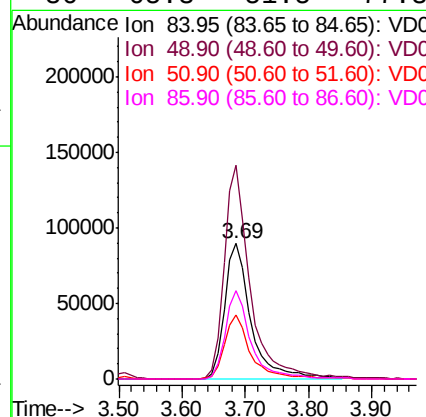
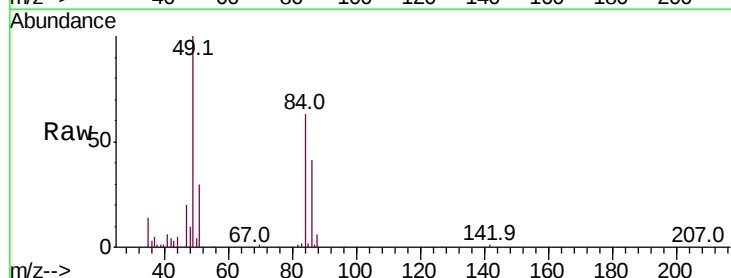
Tot Ion: 73 Resp: 457693
 Ion Ratio Lower Upper
 73 100
 57 21.7 17.9 26.9

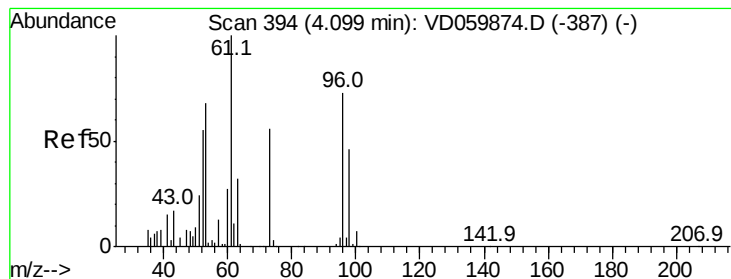


#20

Methylene Chloride
 Concen: 19.186 ug/l
 RT: 3.69 min Scan# 352
 Delta R.T. -0.03 min
 Lab File: VD059902.D
 Acq: 24 Aug 2018 13:01

Tgt Ion: 84 Resp: 261558
 Ion Ratio Lower Upper
 84 100
 49 157.6 122.6 183.8
 51 46.9 38.4 57.6
 86 65.3 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 18.301 ug/l

RT: 4.06 min Scan# 390

Delta R.T. -0.04 min

Lab File: VD059902.D

Acq: 24 Aug 2018 13:01

Instrument :
MSVOA_D
ClientSampled :

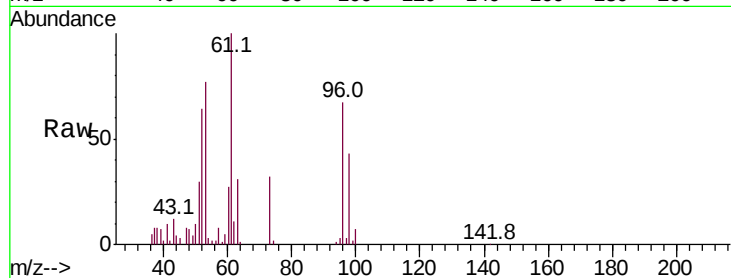
Tot Ion: 96 Resp: 209798

Ion Ratio Lower Upper

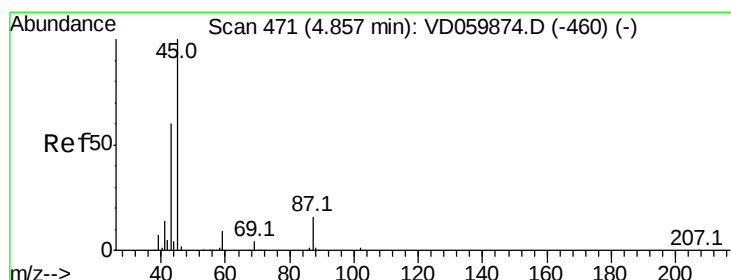
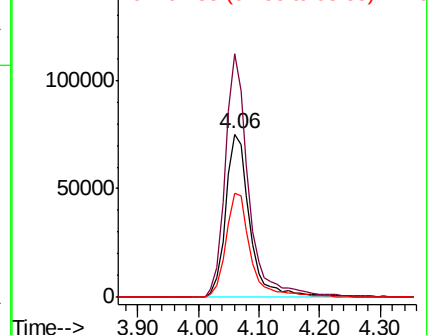
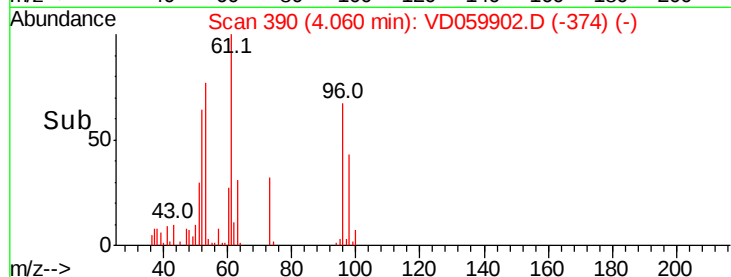
96 100

61 149.1 110.2 165.4

98 63.6 50.9 76.3



Abundance Ion 95.90 (95.60 to 96.60): VDC
150000 Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 20.432 ug/l

RT: 4.83 min Scan# 468

Delta R.T. -0.03 min

Lab File: VD059902.D

Acq: 24 Aug 2018 13:01

Tgt Ion: 45 Resp: 980869

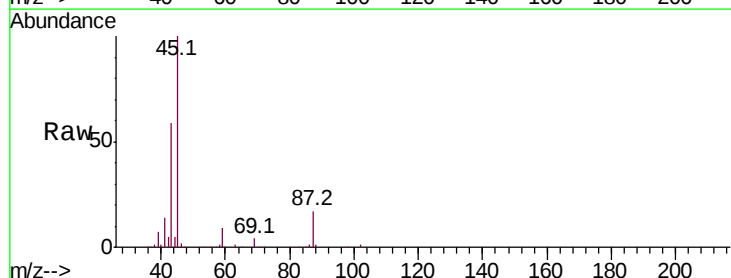
Ion Ratio Lower Upper

45 100

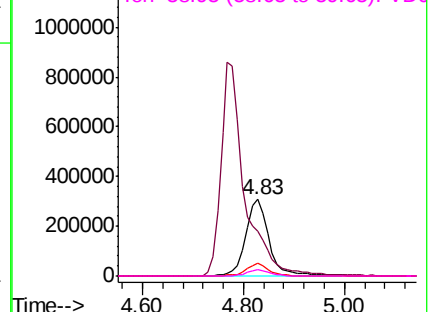
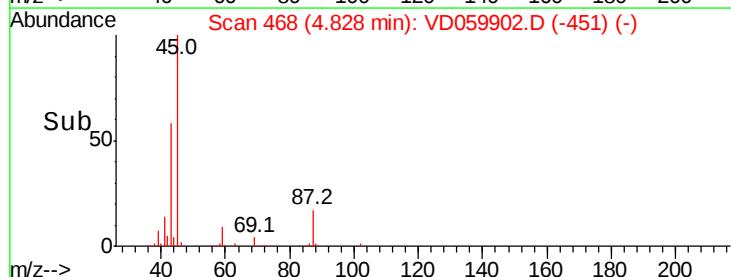
43 58.5 48.6 72.8

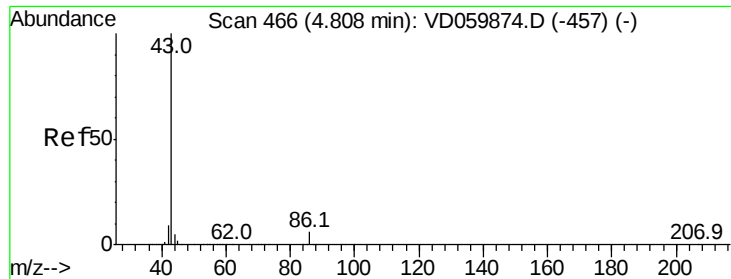
87 16.7 13.3 19.9

59 8.7 7.1 10.7



Abundance Ion 45.05 (44.75 to 45.75): VDC
1200000 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: 104.257 ug/l

RT: 4.77 min Scan# 462

Delta R.T. -0.04 min

Lab File: VD059902.D

Acq: 24 Aug 2018 13:01

Instrument :

MSVOA_D

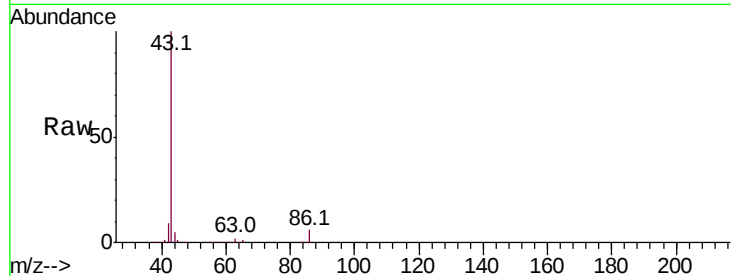
ClientSampleId :

Tot Ion: 43 Resp: 2797870

Ion Ratio Lower Upper

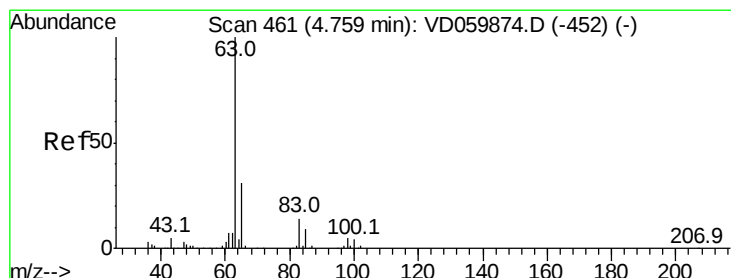
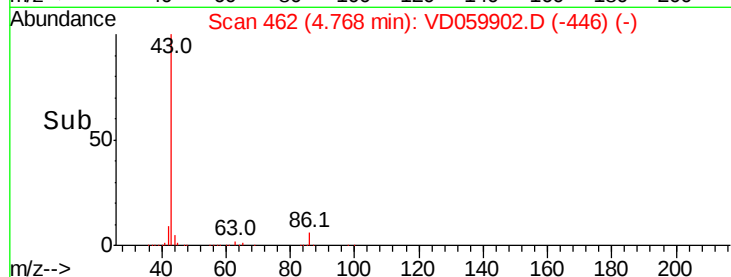
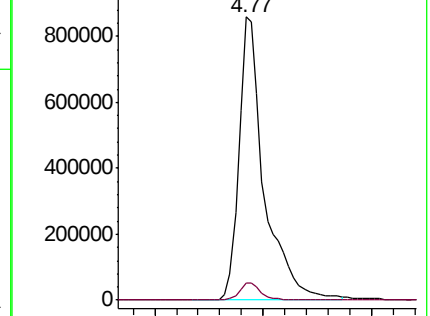
43 100

86 6.1 5.0 7.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.407 ug/l

RT: 4.72 min Scan# 457

Delta R.T. -0.04 min

Lab File: VD059902.D

Acq: 24 Aug 2018 13:01

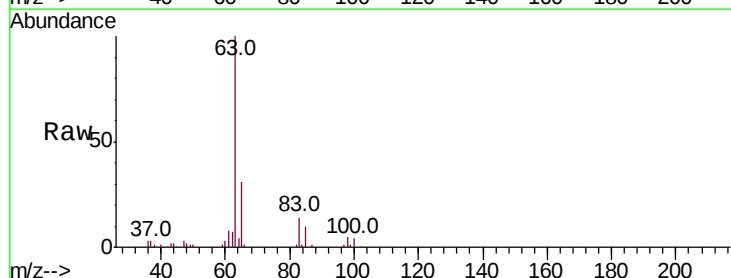
Tgt Ion: 63 Resp: 423234

Ion Ratio Lower Upper

63 100

98 5.4 2.7 8.1

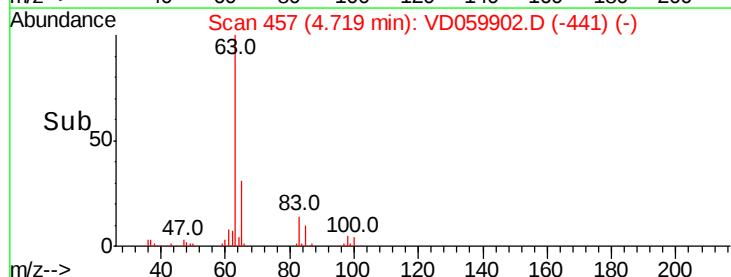
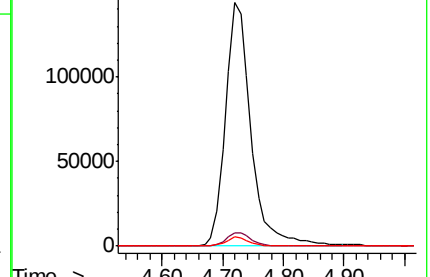
100 3.6 1.8 5.3

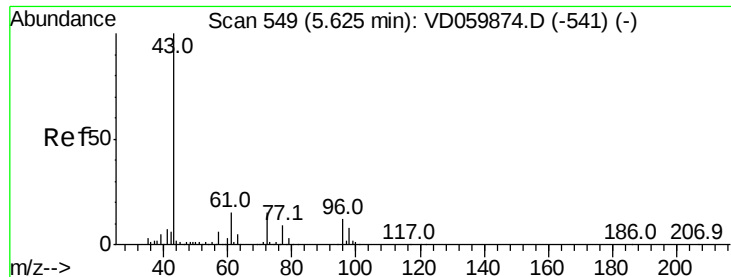


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 85.665 ug/l

RT: 5.60 min Scan# 546

Delta R.T. -0.03 min

Lab File: VD059902.D

Acq: 24 Aug 2018 13:01

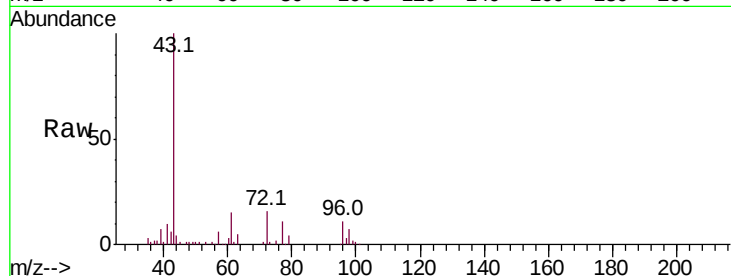
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 462872

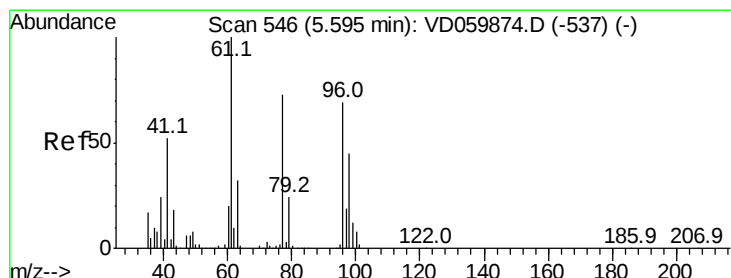
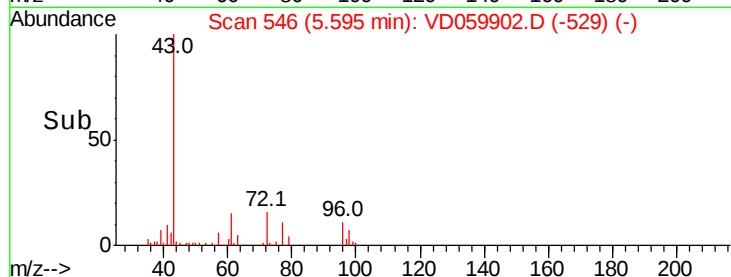
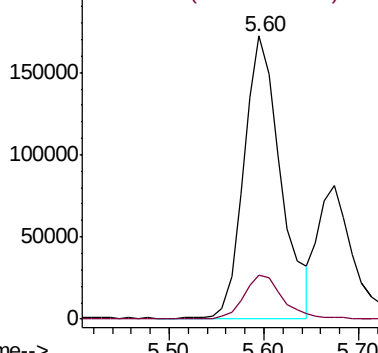
Ion Ratio Lower Upper

43 100

72 15.6 12.3 18.5



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



#26

2,2-Dichloropropane

Concen: 20.255 ug/l

RT: 5.56 min Scan# 542

Delta R.T. -0.04 min

Lab File: VD059902.D

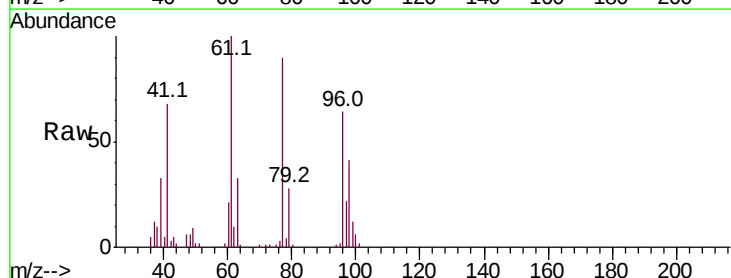
Acq: 24 Aug 2018 13:01

Tgt Ion: 77 Resp: 351164

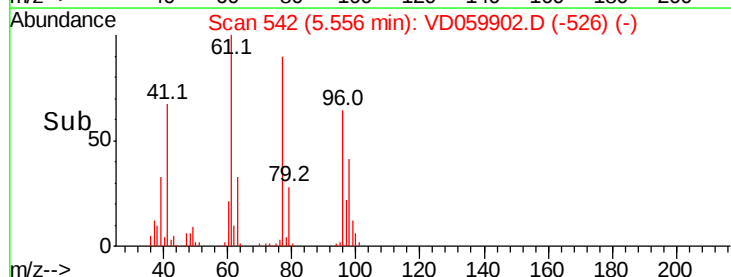
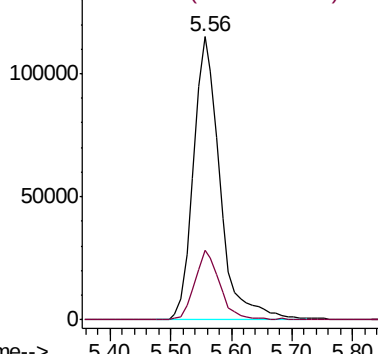
Ion Ratio Lower Upper

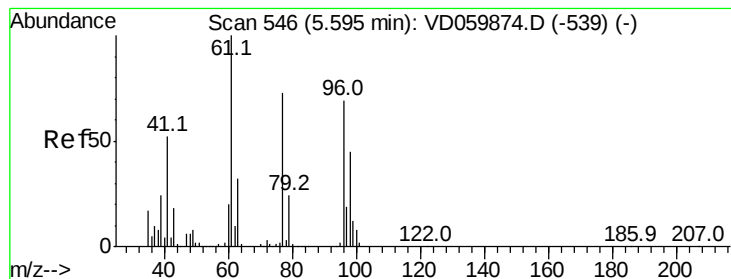
77 100

97 24.6 13.0 38.9



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





#27

cis-1,2-Dichloroethene

Concen: 19.720 ug/l

RT: 5.57 min Scan# 543

Delta R.T. -0.03 min

Lab File: VD059902.D

Acq: 24 Aug 2018 13:01

Instrument :

MSVOA_D

ClientSampleId :

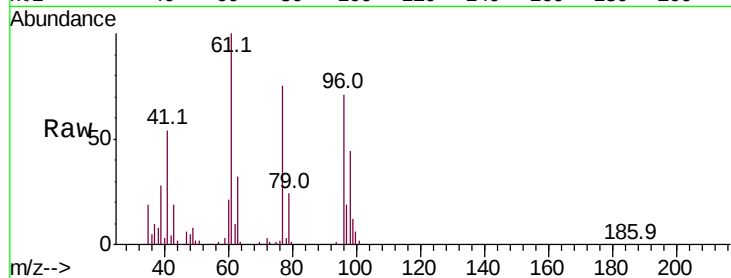
Tot Ion: 96 Resp: 247529

Ion Ratio Lower Upper

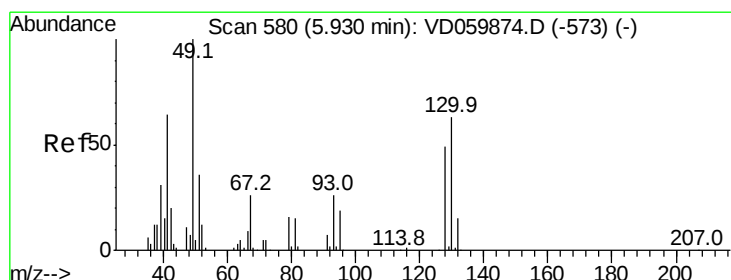
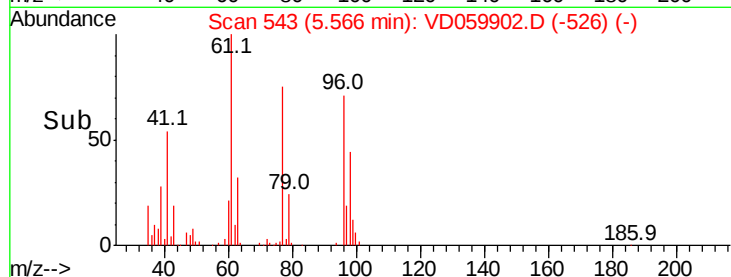
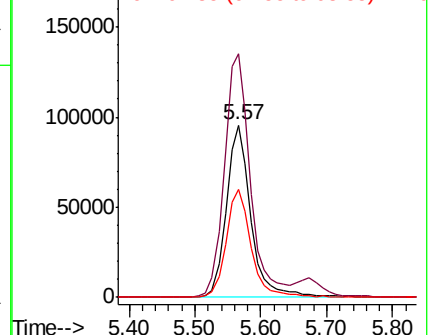
96 100

61 141.6 0.0 290.2

98 62.8 0.0 130.4



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



#28

Bromochloromethane

Concen: 20.911 ug/l

RT: 5.90 min Scan# 577

Delta R.T. -0.03 min

Lab File: VD059902.D

Acq: 24 Aug 2018 13:01

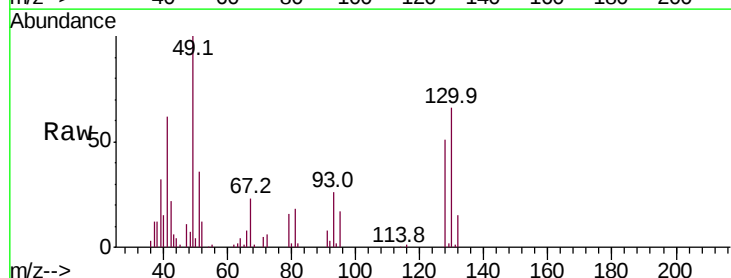
Tgt Ion: 49 Resp: 207854

Ion Ratio Lower Upper

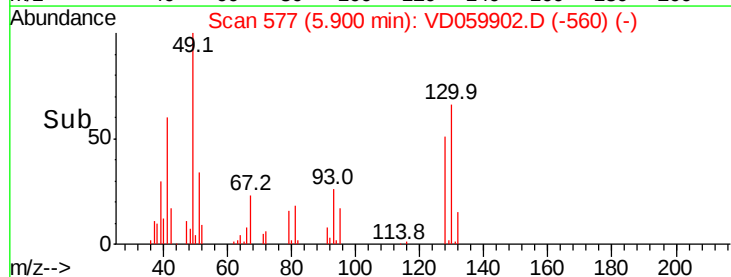
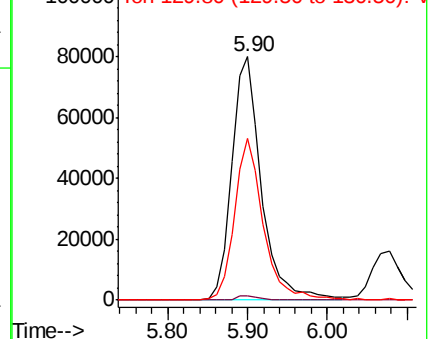
49 100

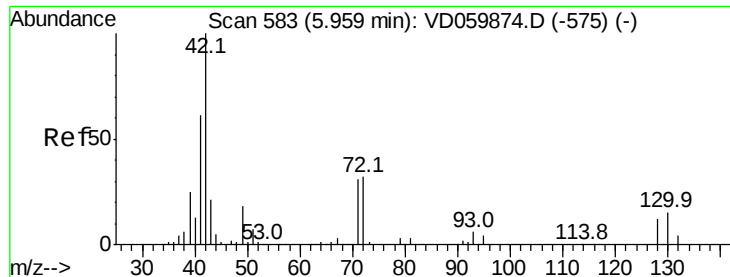
129 1.6 0.0 3.2

130 66.3 50.6 75.8



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





#29

Tetrahydrofuran

Concen: 93.716 ug/l

RT: 5.93 min Scan# 580

Delta R.T. -0.03 min

Lab File: VD059902.D

Acq: 24 Aug 2018 13:01

Instrument :

MSVOA_D

ClientSampleId :

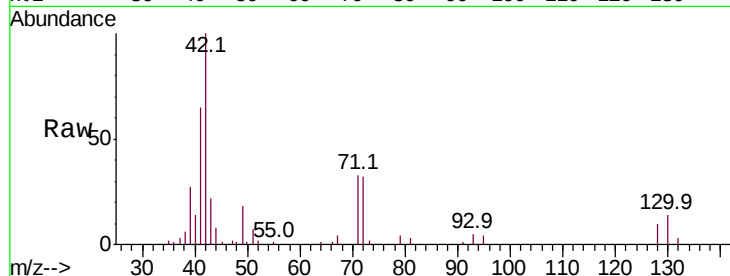
Tot Ion: 42 Resp: 241074

Ion Ratio Lower Upper

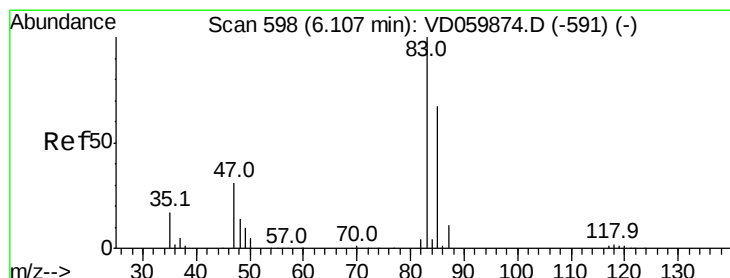
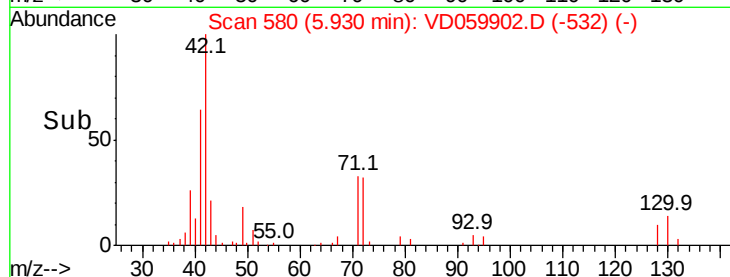
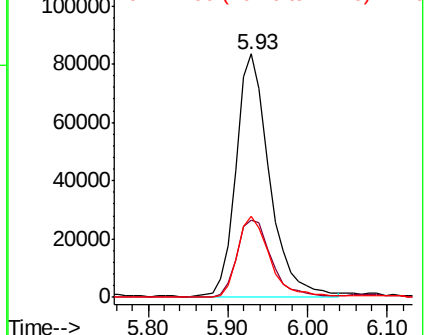
42 100

72 33.4 25.7 38.5

71 32.4 25.3 37.9



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



#30

Chloroform

Concen: 20.309 ug/l

RT: 6.08 min Scan# 595

Delta R.T. -0.03 min

Lab File: VD059902.D

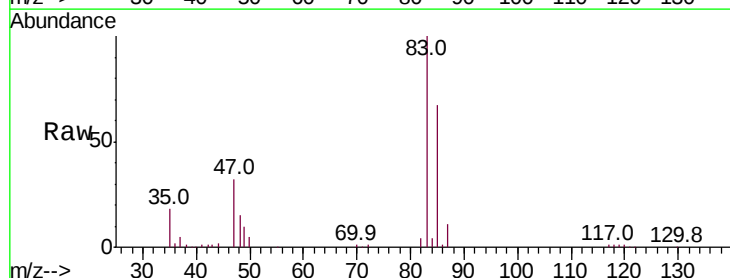
Acq: 24 Aug 2018 13:01

Tgt Ion: 83 Resp: 428048

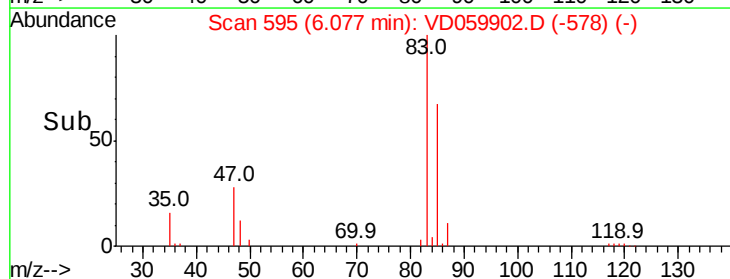
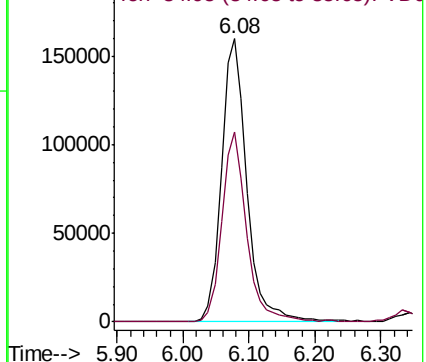
Ion Ratio Lower Upper

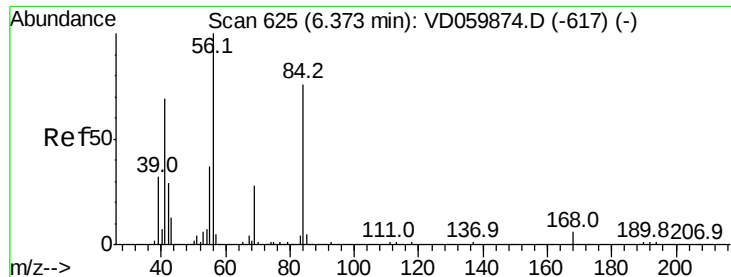
83 100

85 67.2 53.5 80.3



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

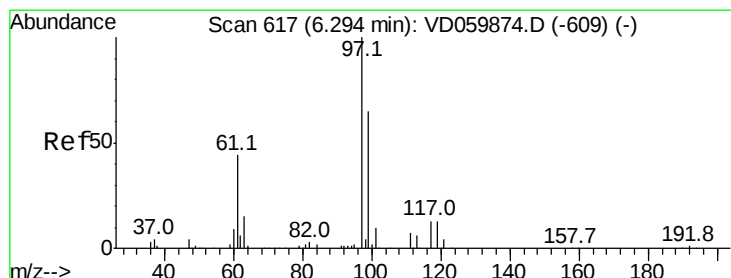
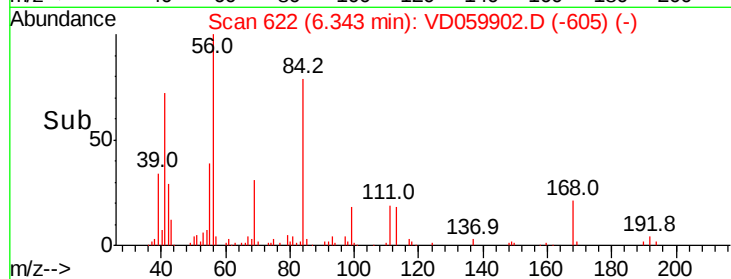
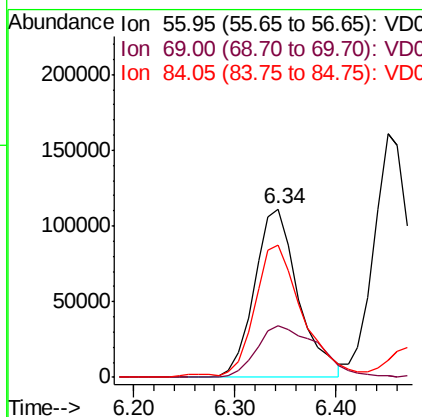
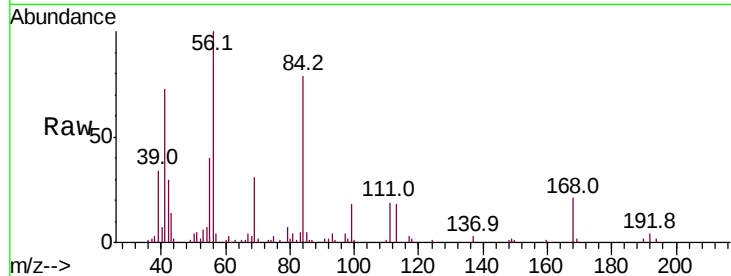




#31
Cyclohexane
Concen: 17.593 ug/l
RT: 6.34 min Scan# 622
Delta R.T. -0.03 min
Lab File: VD059902.D
Acq: 24 Aug 2018 13:01

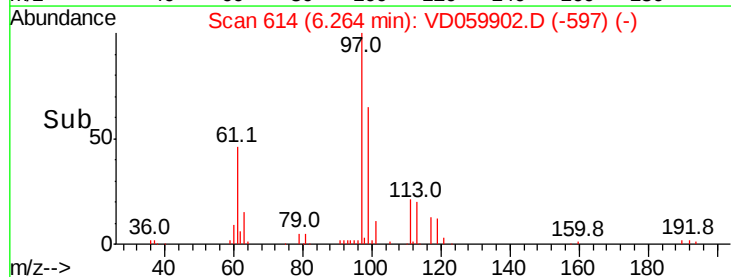
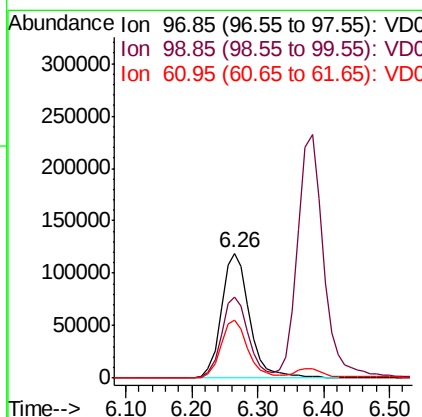
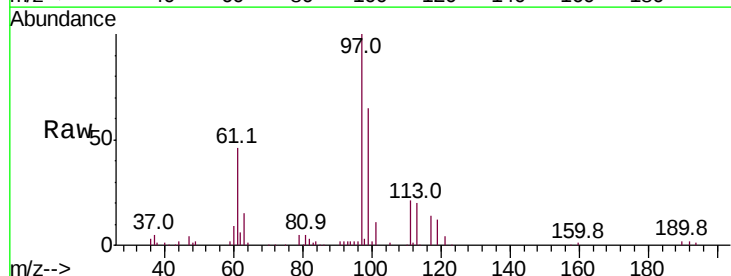
Instrument :
MSVOA_D
ClientSampleId :

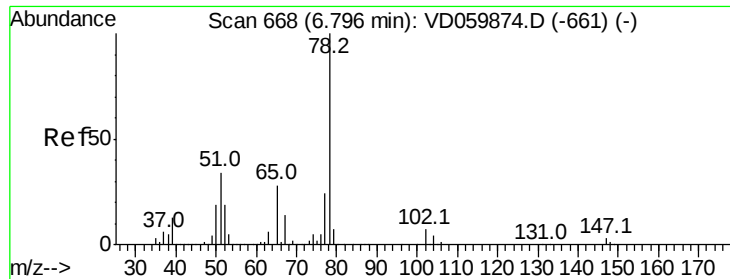
Tot Ion: 56 Resp: 335429
Ion Ratio Lower Upper
56 100
69 30.5 22.4 33.6
84 78.9 62.1 93.1



#32
1,1,1-Trichloroethane
Concen: 19.848 ug/l
RT: 6.26 min Scan# 614
Delta R.T. -0.03 min
Lab File: VD059902.D
Acq: 24 Aug 2018 13:01

Tgt Ion: 97 Resp: 355051
Ion Ratio Lower Upper
97 100
99 64.5 51.7 77.5
61 46.4 35.4 53.2





#33

1,2-Dichloroethane-d4

Concen: 19.848 ug/l

RT: 6.76 min Scan# 664

Delta R.T. -0.04 min

Lab File: VD059902.D

Acq: 24 Aug 2018 13:01

Instrument :

MSVOA_D

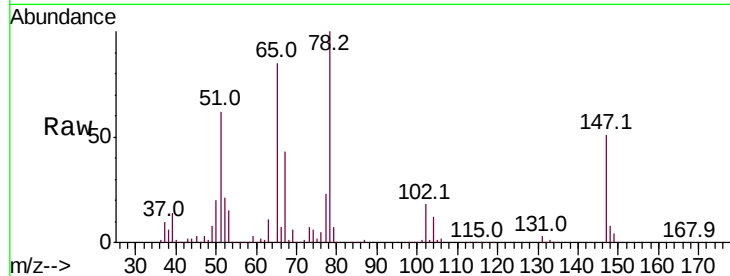
ClientSampleId :

Tot Ion: 65 Resp: 507436

Ion Ratio Lower Upper

65 100

67 50.1 0.0 103.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

6.76

200000

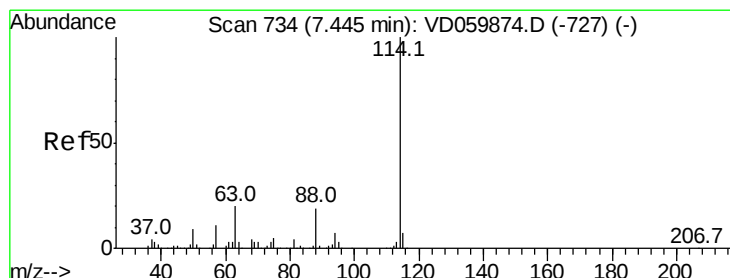
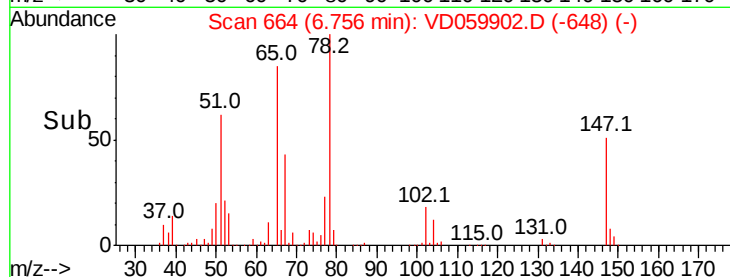
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.42 min Scan# 731

Delta R.T. -0.03 min

Lab File: VD059902.D

Acq: 24 Aug 2018 13:01

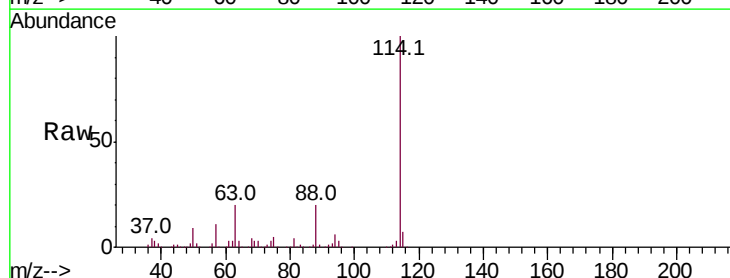
Tgt Ion:114 Resp: 1665102

Ion Ratio Lower Upper

114 100

63 19.8 0.0 39.4

88 19.5 0.0 37.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

7.42

800000

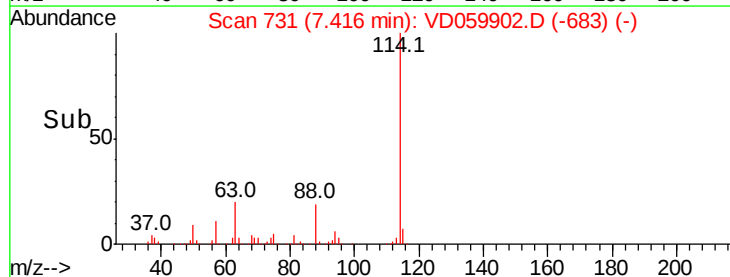
600000

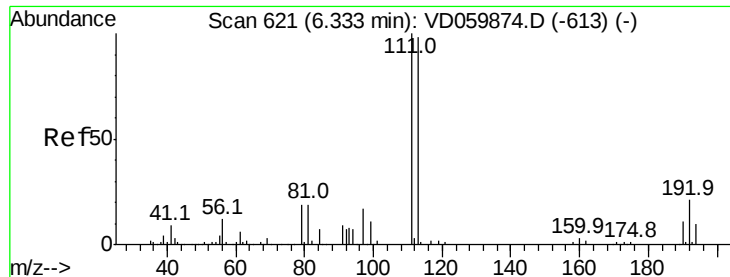
400000

200000

0

Time-->

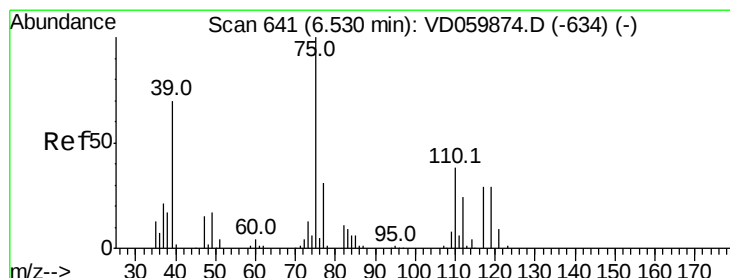
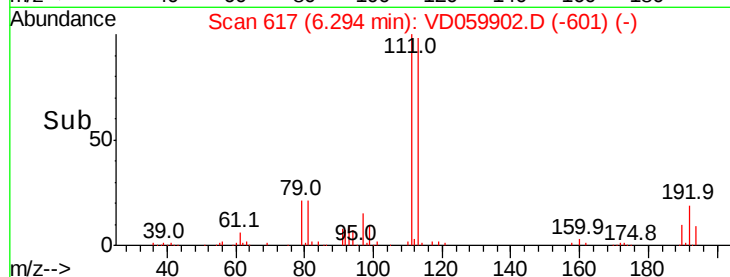
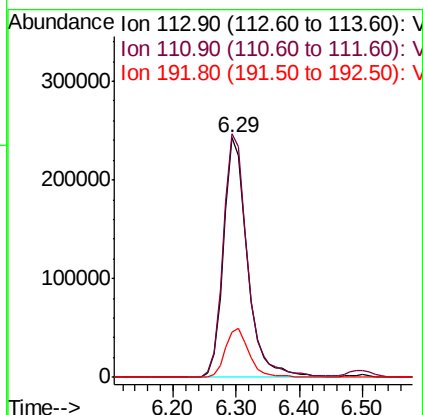
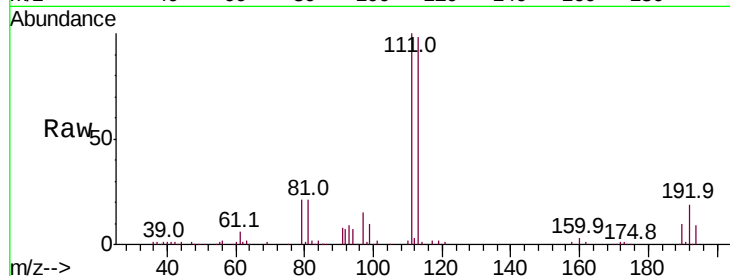




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.29 min Scan# 617
 Delta R.T. -0.04 min
 Lab File: VD059902.D
 Acq: 24 Aug 2018 13:01

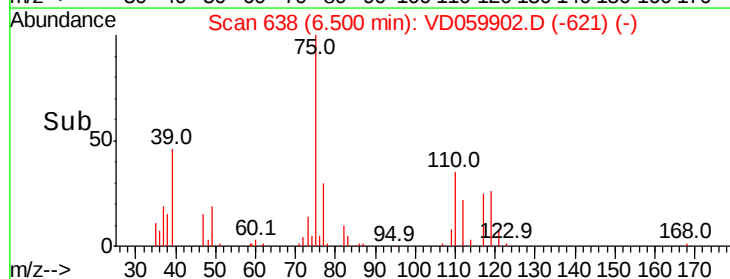
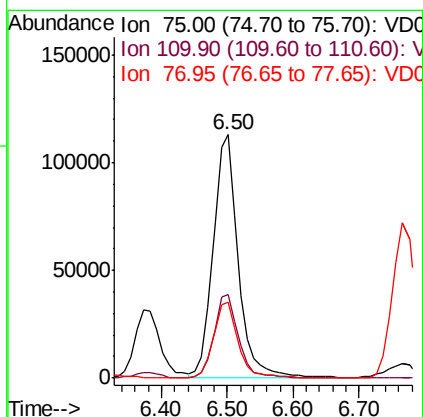
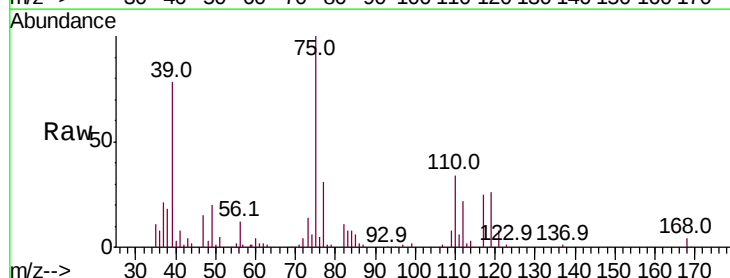
Instrument :
 MSVOA_D
 ClientSampleId :

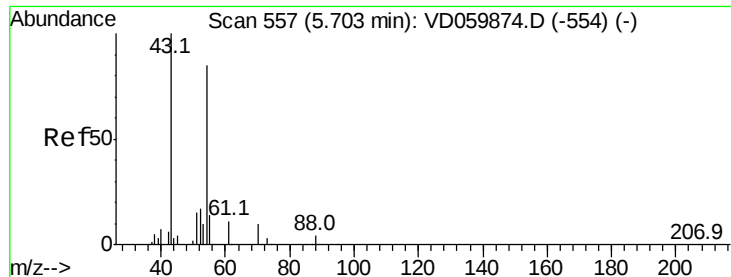
Tot Ion:113 Resp: 640928
 Ion Ratio Lower Upper
 113 100
 111 101.6 81.4 122.2
 192 19.1 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 19.391 ug/l
 RT: 6.50 min Scan# 638
 Delta R.T. -0.03 min
 Lab File: VD059902.D
 Acq: 24 Aug 2018 13:01

Tgt Ion: 75 Resp: 292692
 Ion Ratio Lower Upper
 75 100
 110 34.3 18.6 56.0
 77 31.1 25.1 37.7

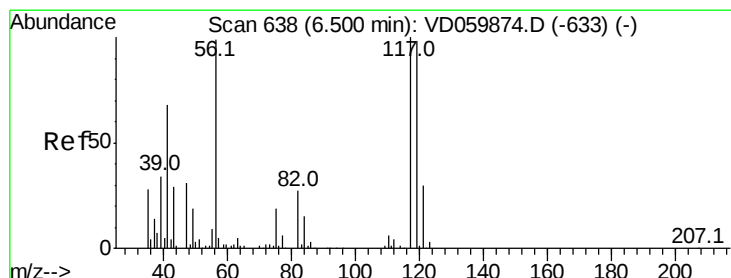
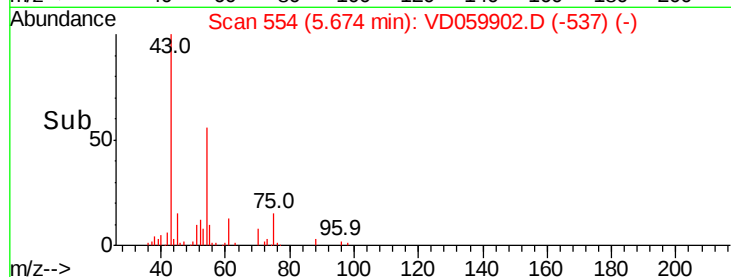
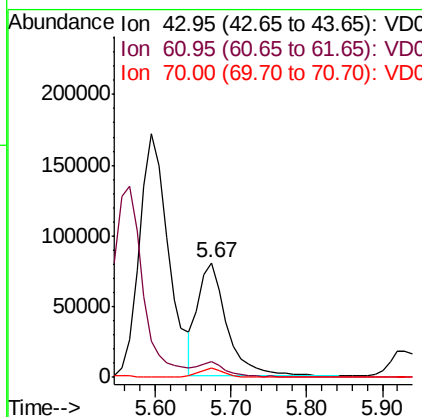
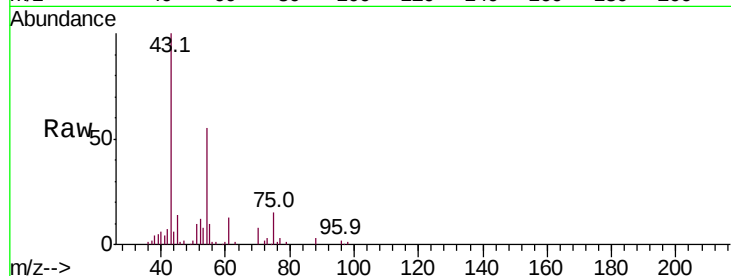




#37
Ethyl Acetate
Concen: 18.208 ug/l
RT: 5.67 min Scan# 554
Delta R.T. -0.03 min
Lab File: VD059902.D
Acq: 24 Aug 2018 13:01

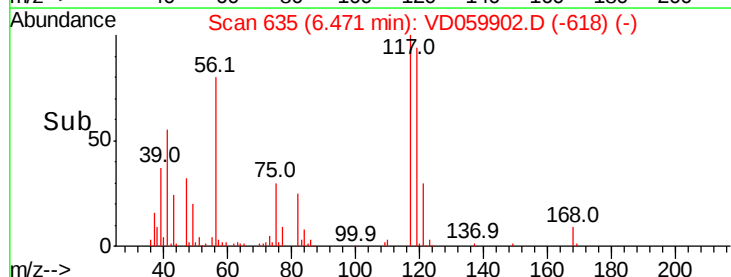
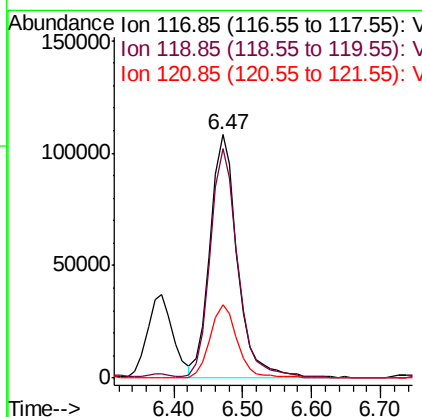
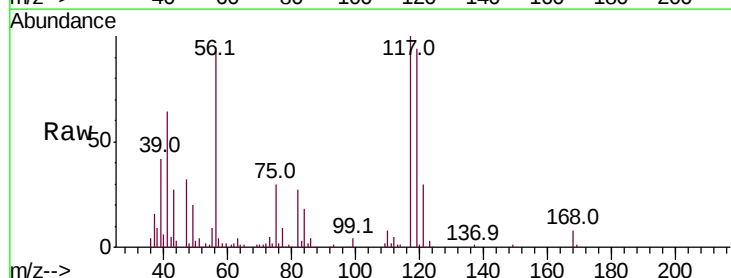
Instrument :
MSVOA_D
ClientSampled :

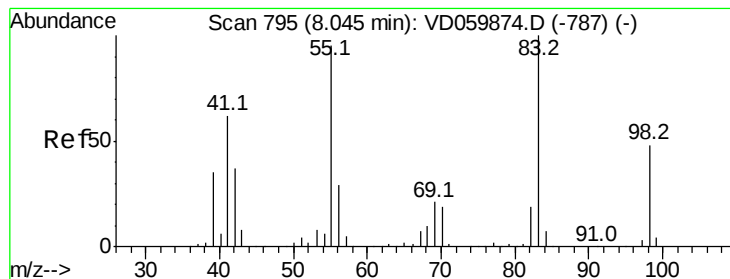
Tot Ion: 43 Resp: 213860
Ion Ratio Lower Upper
43 100
61 13.4 11.0 16.6
70 8.0 5.7 8.5



#38
Carbon Tetrachloride
Concen: 19.458 ug/l
RT: 6.47 min Scan# 635
Delta R.T. -0.03 min
Lab File: VD059902.D
Acq: 24 Aug 2018 13:01

Tgt Ion: 117 Resp: 296399
Ion Ratio Lower Upper
117 100
119 94.3 77.2 115.8
121 30.0 24.0 36.0





#39

Methvlcvclohexane

Concen: 18.542 ug/l

RT: 8.02 min Scan# 792

Delta R.T. -0.03 min

Lab File: VD059902.D

Acq: 24 Aug 2018 13:01

Instrument :

MSVOA_D

ClientSampled :

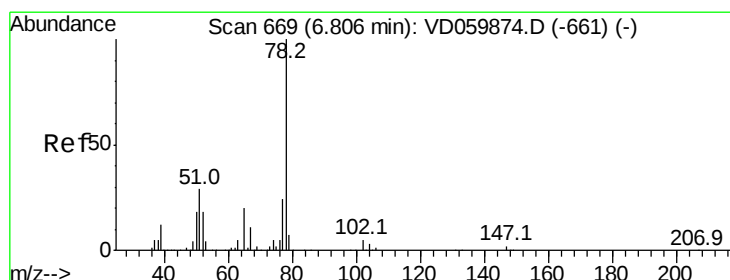
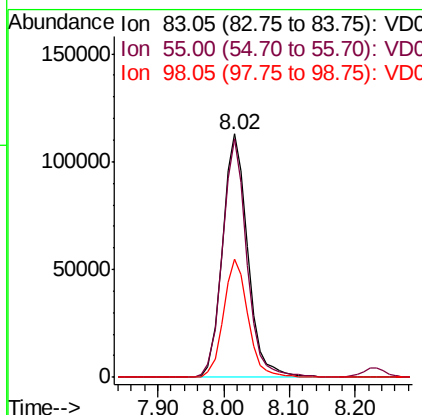
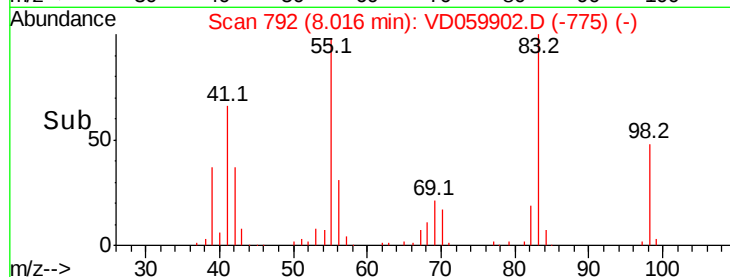
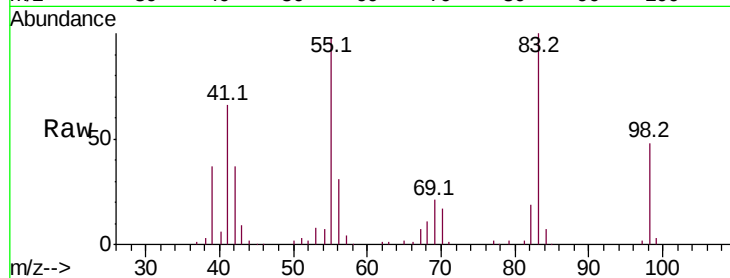
Tot Ion: 83 Resp: 302386

Ion Ratio Lower Upper

83 100

55 97.9 75.8 113.6

98 48.3 38.3 57.5



#40

Benzene

Concen: 20.088 ug/l

RT: 6.77 min Scan# 665

Delta R.T. -0.04 min

Lab File: VD059902.D

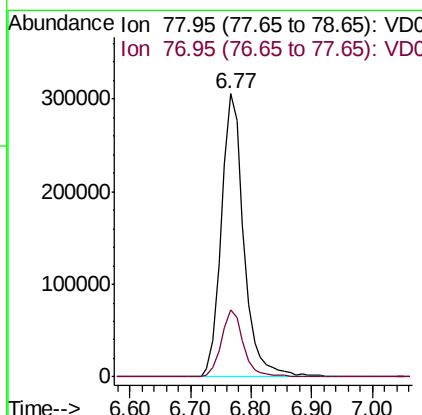
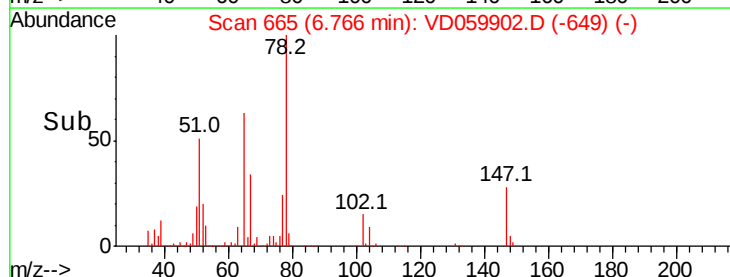
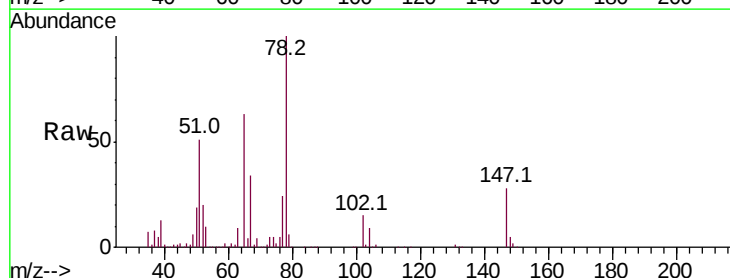
Acq: 24 Aug 2018 13:01

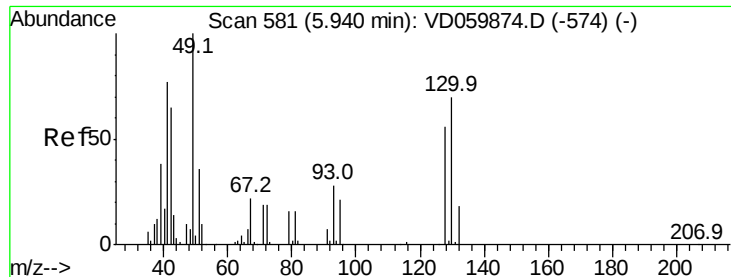
Tgt Ion: 78 Resp: 788426

Ion Ratio Lower Upper

78 100

77 23.7 19.0 28.4

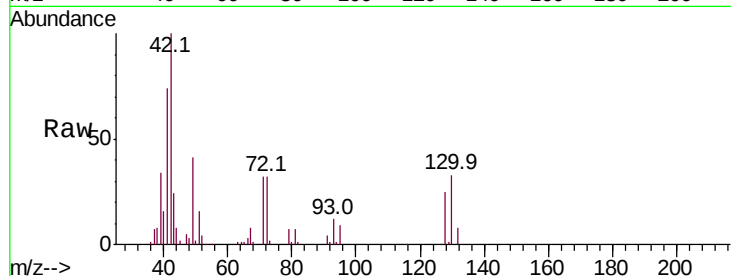




#41
Methacrylonitrile
Concen: 43.263 ug/l
RT: 5.92 min Scan# 579
Delta R.T. -0.02 min
Lab File: VD059902.D
Acq: 24 Aug 2018 13:01

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
41	100		
39	45.9	39.4	59.2
67	11.0	22.2	33.2#
52	5.0	10.1	15.1#



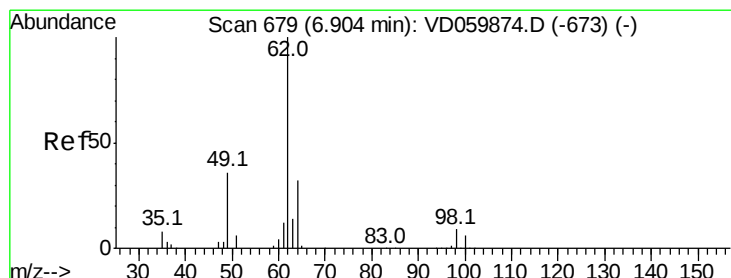
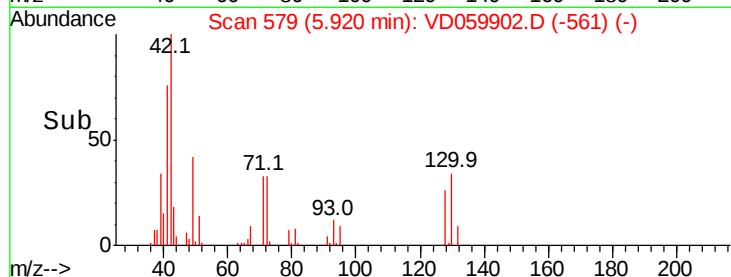
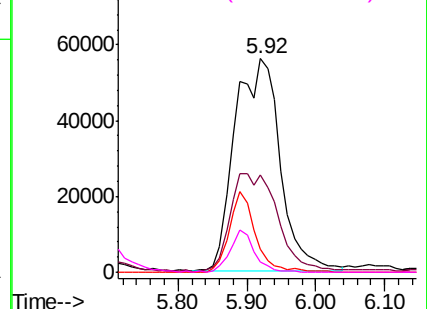
Abundance

Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

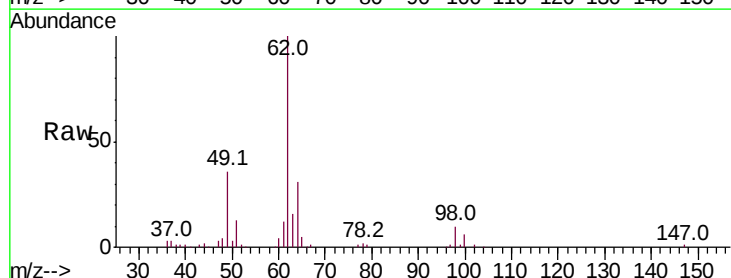
Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42
1,2-Dichloroethane
Concen: 20.313 ug/l
RT: 6.87 min Scan# 676
Delta R.T. -0.03 min
Lab File: VD059902.D
Acq: 24 Aug 2018 13:01

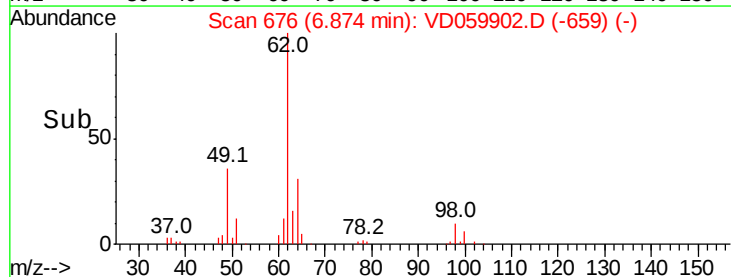
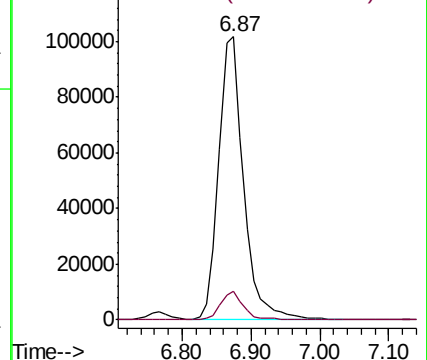
Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	18.4

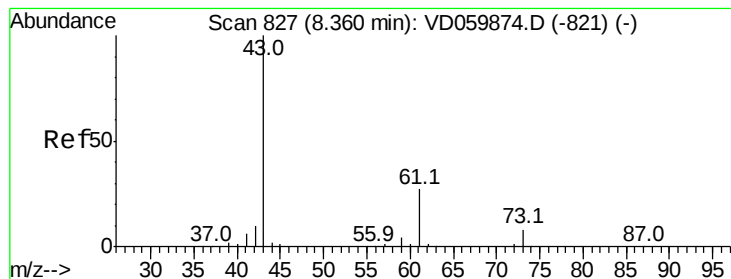


Abundance

Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 19.046 ug/l

RT: 8.33 min Scan# 824

Delta R.T. -0.03 min

Lab File: VD059902.D

Acq: 24 Aug 2018 13:01

Instrument :

MSVOA_D

ClientSampleId :

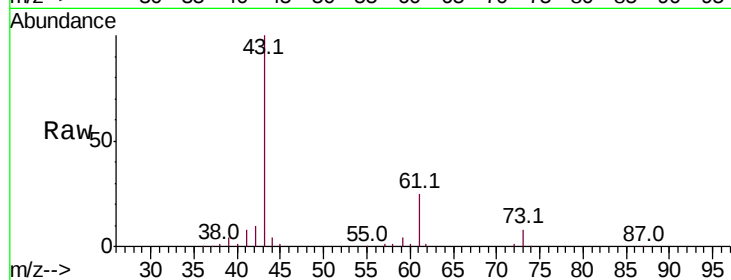
Tot Ion: 43 Resp: 291037

Ion Ratio Lower Upper

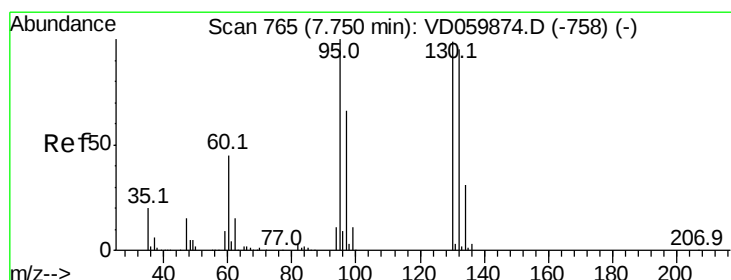
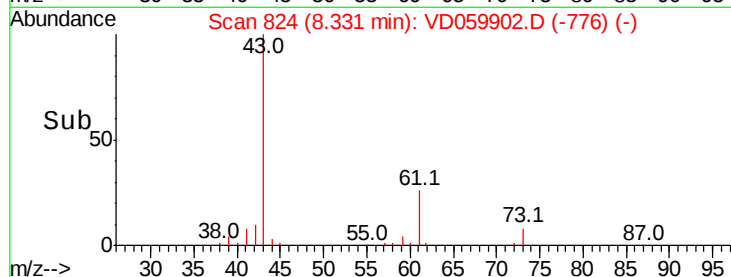
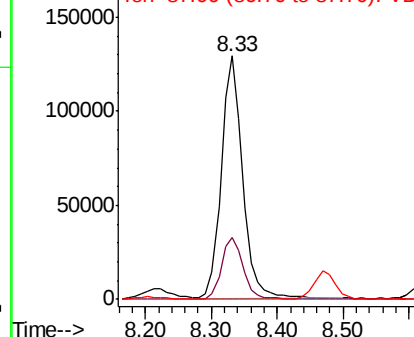
43 100

61 25.5 21.4 32.2

87 0.3 0.2 0.4



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



#44

Trichloroethene

Concen: 19.021 ug/l

RT: 7.72 min Scan# 762

Delta R.T. -0.03 min

Lab File: VD059902.D

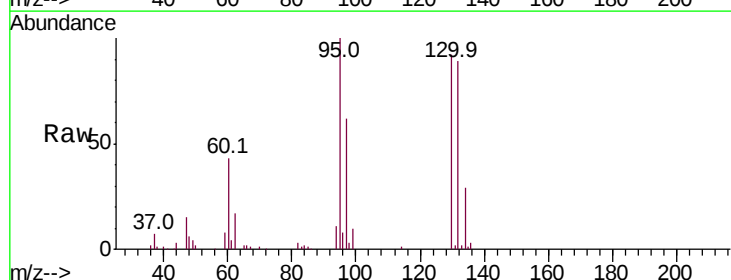
Acq: 24 Aug 2018 13:01

Tgt Ion:130 Resp: 219808

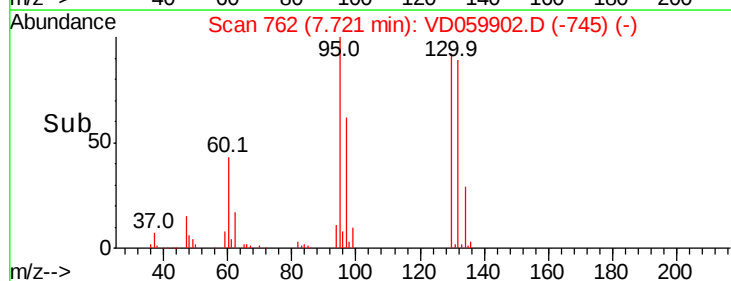
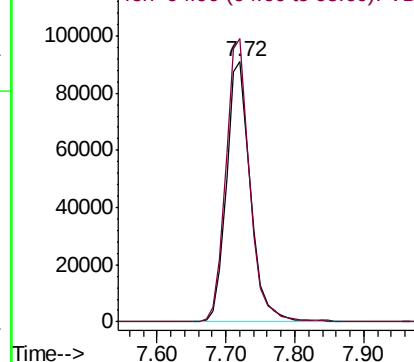
Ion Ratio Lower Upper

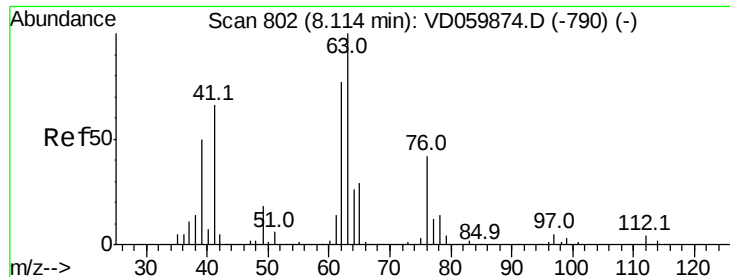
130 100

95 108.8 0.0 202.0



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





#45

1,2-Dichloropropane

Concen: 20.329 ug/l

RT: 8.08 min Scan# 799

Delta R.T. -0.03 min

Lab File: VD059902.D

Acq: 24 Aug 2018 13:01

Instrument :

MSVOA_D

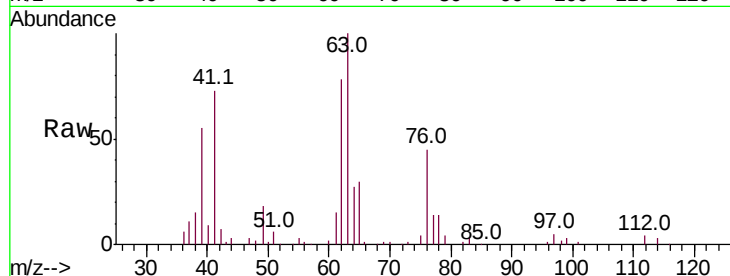
ClientSampled :

Tot Ion: 63 Resp: 223020

Ion Ratio Lower Upper

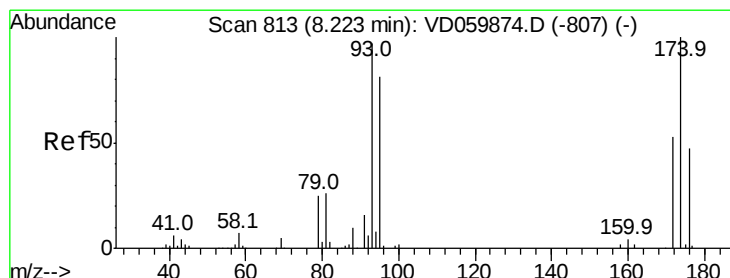
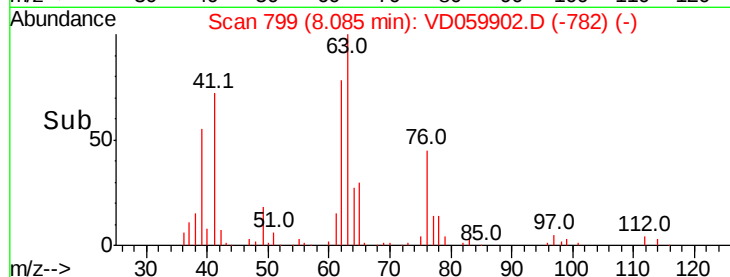
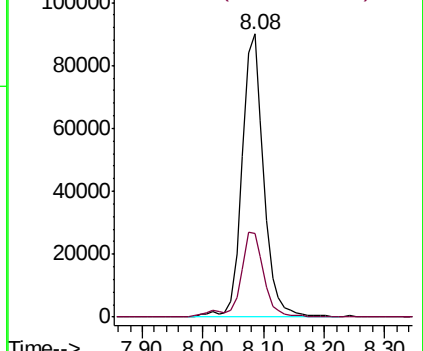
63 100

65 29.7 23.5 35.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 18.940 ug/l

RT: 8.19 min Scan# 810

Delta R.T. -0.03 min

Lab File: VD059902.D

Acq: 24 Aug 2018 13:01

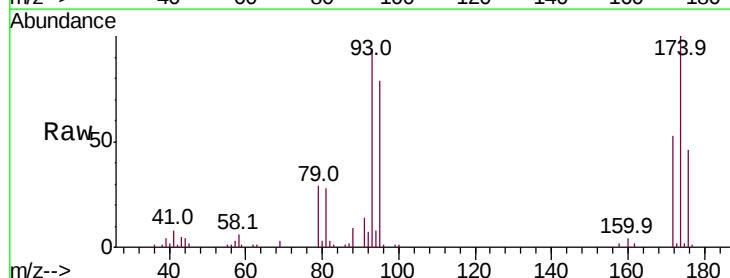
Tgt Ion: 93 Resp: 133600

Ion Ratio Lower Upper

93 100

95 83.7 66.6 100.0

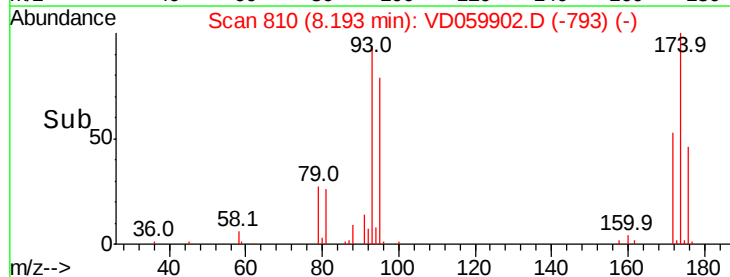
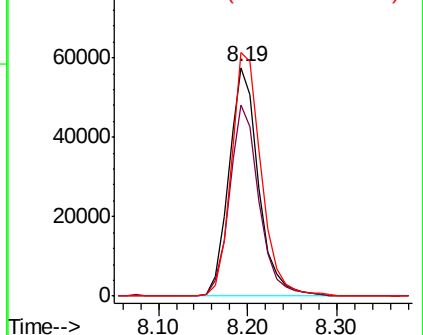
174 106.6 82.4 123.6

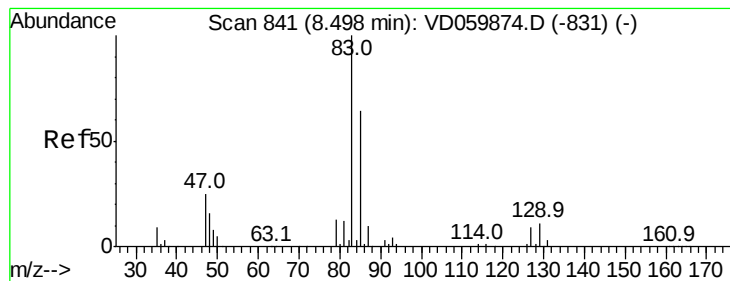


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 20.327 ug/l

RT: 8.47 min Scan# 838

Delta R.T. -0.03 min

Lab File: VD059902.D

Acq: 24 Aug 2018 13:01

Instrument :
MSVOA_D
ClientSampleId :

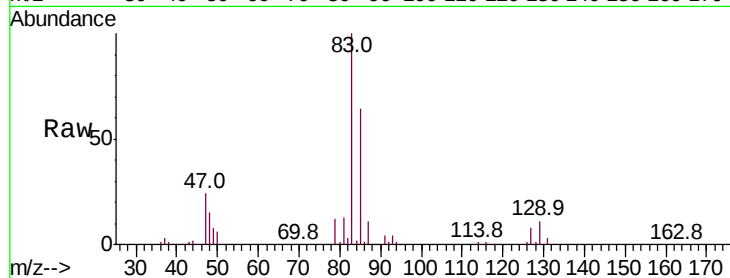
Tot Ion: 83 Resp: 324605

Ion Ratio Lower Upper

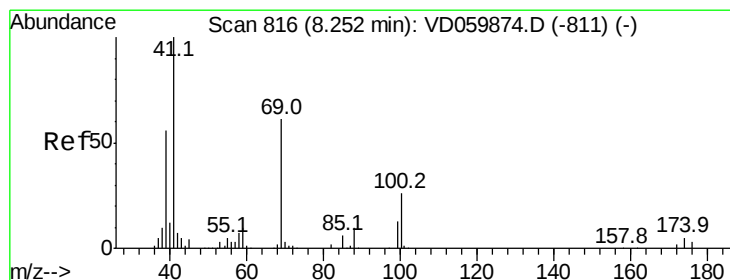
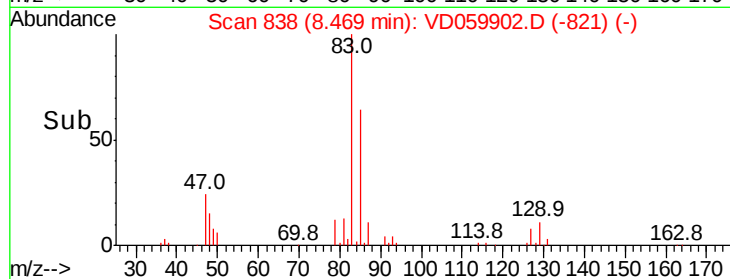
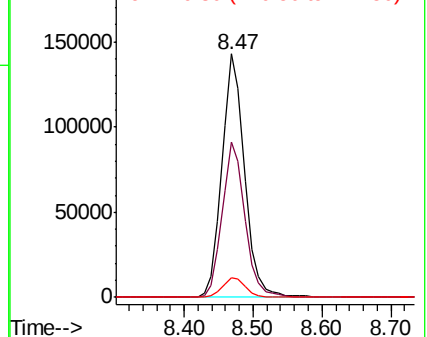
83 100

85 63.7 51.3 76.9

127 8.0 7.0 10.4



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



#48

Methyl methacrylate

Concen: 19.221 ug/l

RT: 8.22 min Scan# 813

Delta R.T. -0.03 min

Lab File: VD059902.D

Acq: 24 Aug 2018 13:01

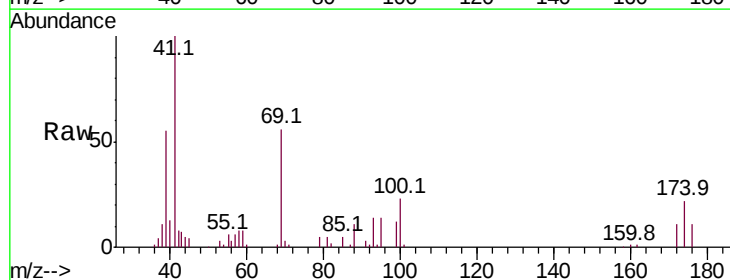
Tgt Ion: 41 Resp: 171213

Ion Ratio Lower Upper

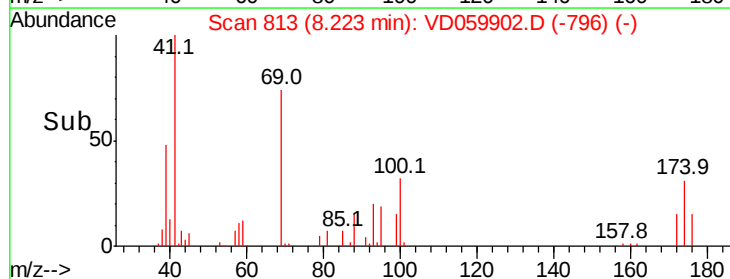
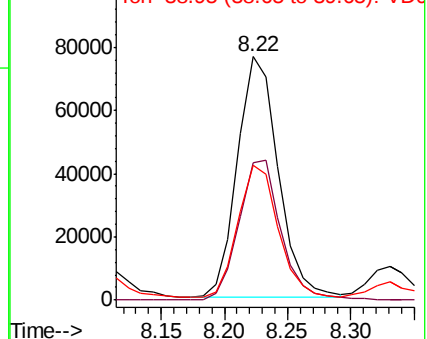
41 100

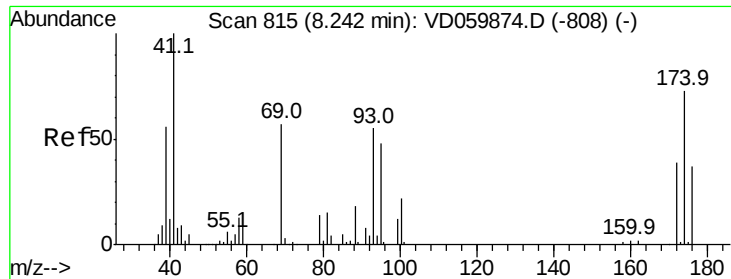
69 56.3 48.0 72.0

39 55.3 45.4 68.0



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





#49

1,4-Dioxane

Concen: 391.090 ug/l

RT: 8.21 min Scan# 812

Delta R.T. -0.03 min

Lab File: VD059902.D

Acq: 24 Aug 2018 13:01

Instrument :
MSVOA_D
ClientSampled :

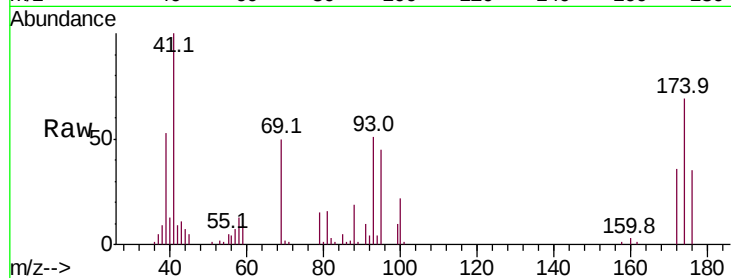
Tot Ion: 88 Resp: 31102

Ion Ratio Lower Upper

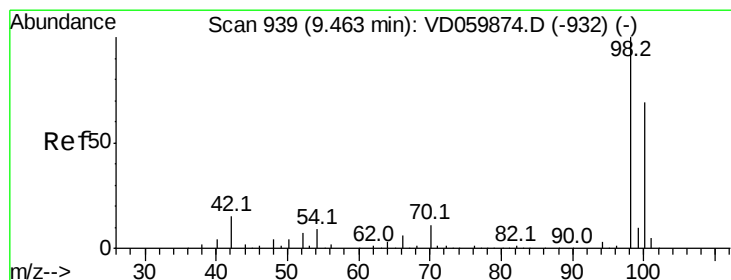
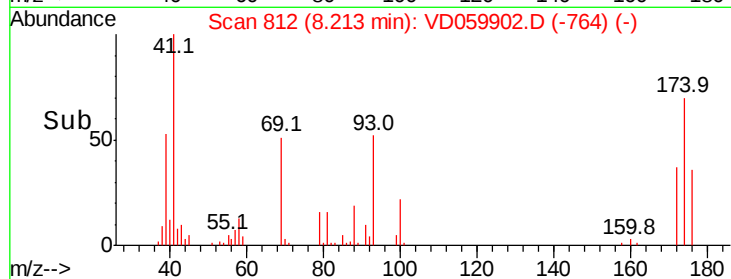
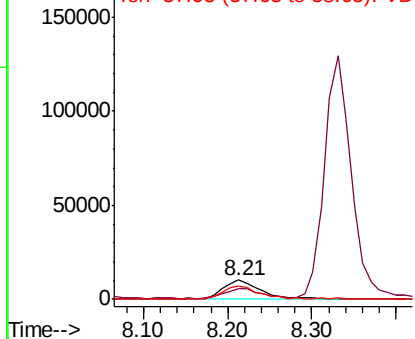
88 100

43 57.8 45.0 67.6

58 67.1 55.8 83.8



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



#50

Toluene-d8

Concen: 391.090 ug/l

RT: 9.43 min Scan# 936

Delta R.T. -0.03 min

Lab File: VD059902.D

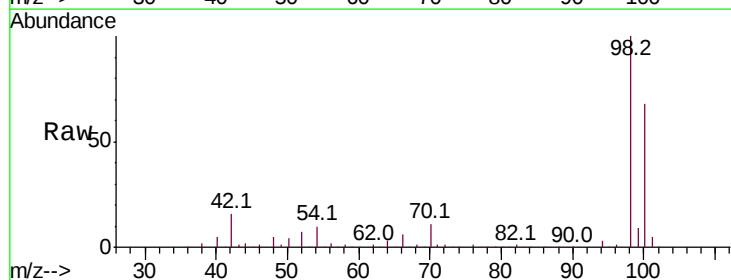
Acq: 24 Aug 2018 13:01

Tgt Ion: 98 Resp: 1822583

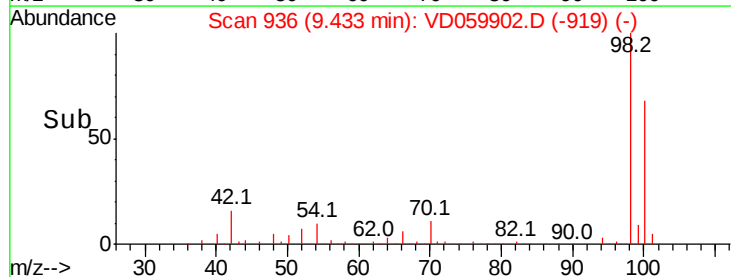
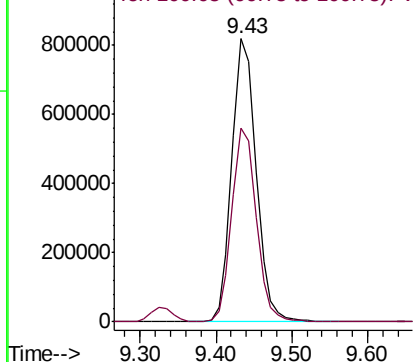
Ion Ratio Lower Upper

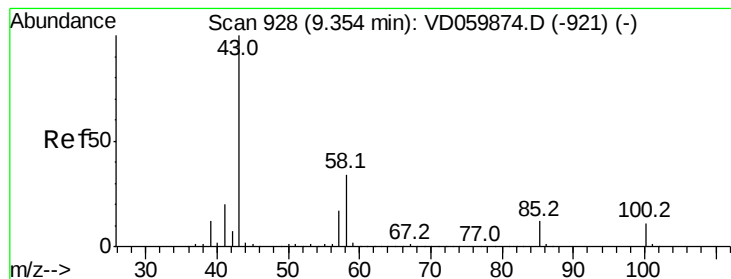
98 100

100 68.3 55.8 83.6



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





#51

4-Methyl-2-Pentanone

Concen: 85.305 ug/l

RT: 9.32 min Scan# 925

Delta R.T. -0.03 min

Lab File: VD059902.D

Acq: 24 Aug 2018 13:01

Instrument :

MSVOA_D

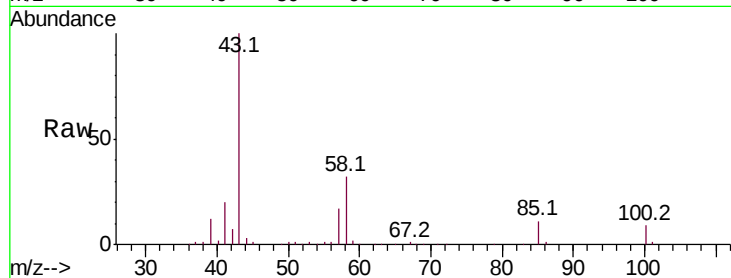
ClientSampleId :

Tot Ion: 43 Resp: 971801

Ion Ratio Lower Upper

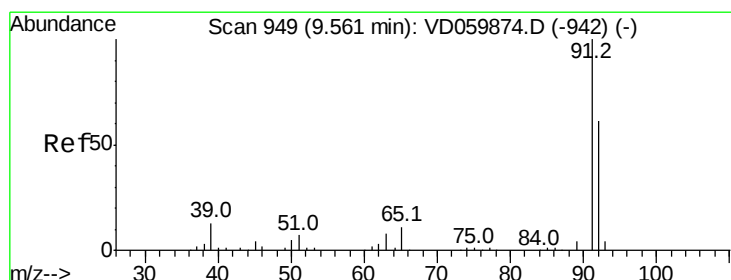
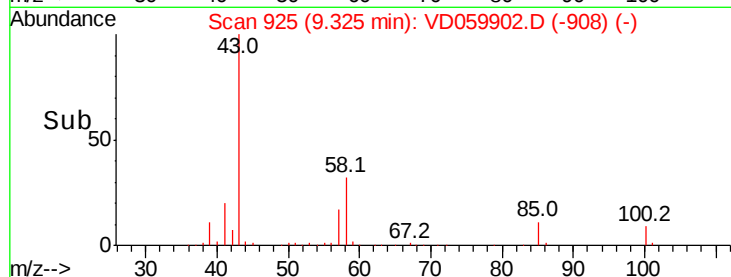
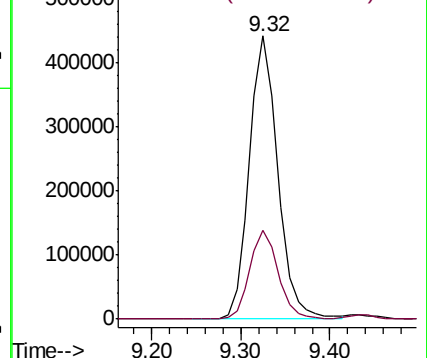
43 100

58 31.6 27.0 40.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 19.806 ug/l

RT: 9.53 min Scan# 946

Delta R.T. -0.03 min

Lab File: VD059902.D

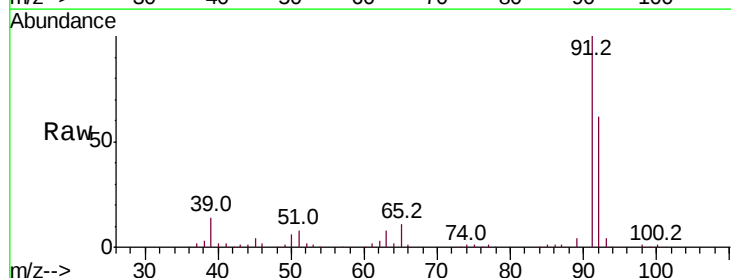
Acq: 24 Aug 2018 13:01

Tgt Ion: 92 Resp: 498466

Ion Ratio Lower Upper

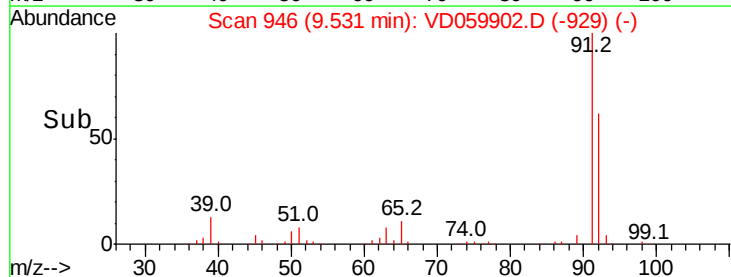
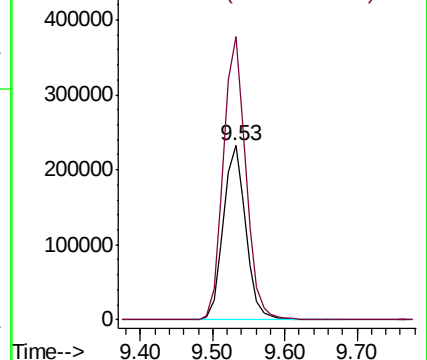
92 100

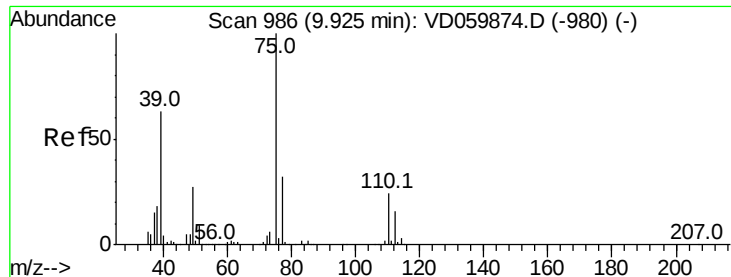
91 162.5 131.4 197.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

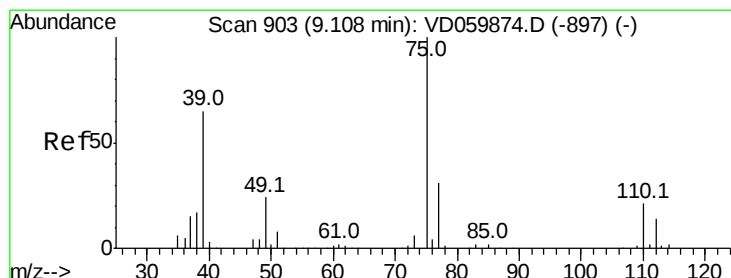
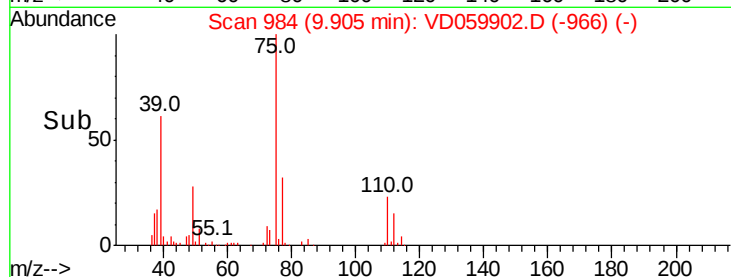
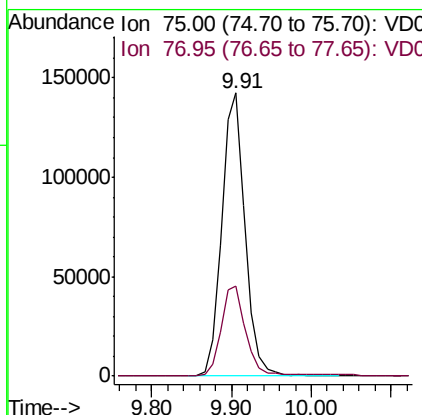
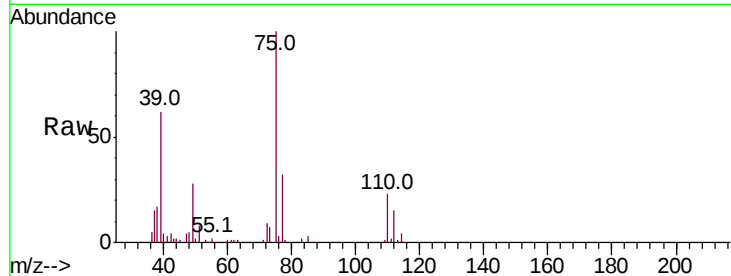




#53
 t-1,3-Dichloropropene
 Concen: 19.737 ug/l
 RT: 9.91 min Scan# 984
 Delta R.T. -0.02 min
 Lab File: VD059902.D
 Acq: 24 Aug 2018 13:01

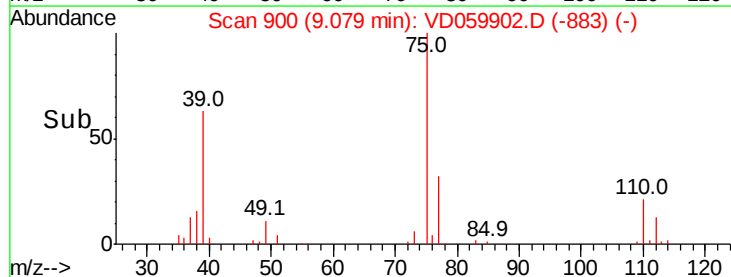
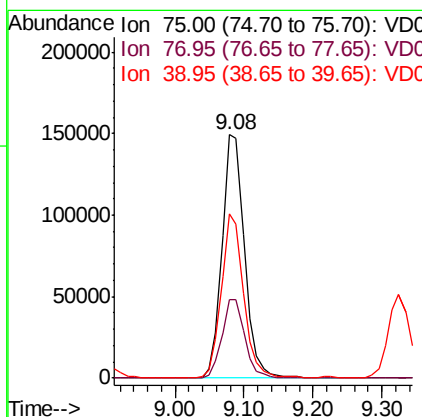
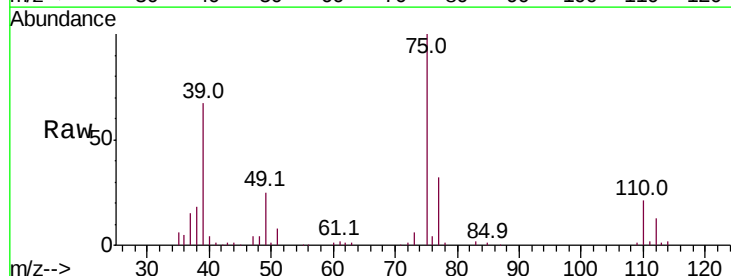
Instrument :
 MSVOA_D
 ClientSampleId :

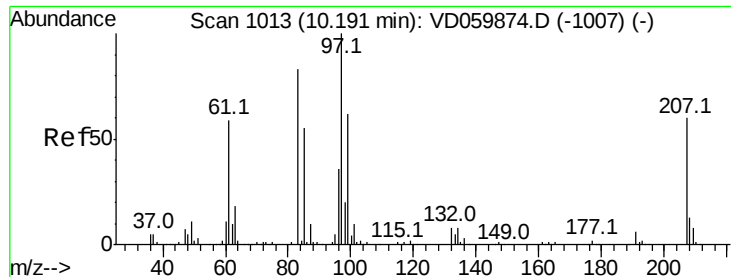
Tot Ion: 75 Resp: 291521
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.4 38.2



#54
 cis-1,3-Dichloropropene
 Concen: 19.726 ug/l
 RT: 9.08 min Scan# 900
 Delta R.T. -0.03 min
 Lab File: VD059902.D
 Acq: 24 Aug 2018 13:01

Tgt Ion: 75 Resp: 337800
 Ion Ratio Lower Upper
 75 100
 77 32.2 24.8 37.2
 39 67.3 52.1 78.1

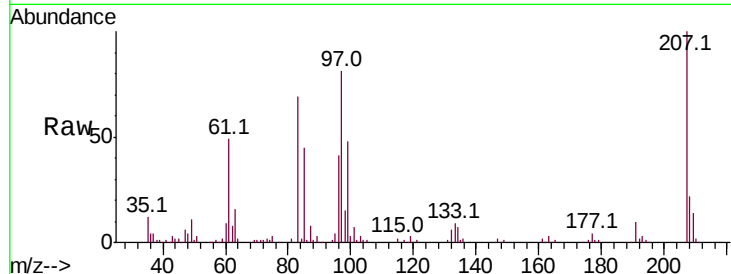




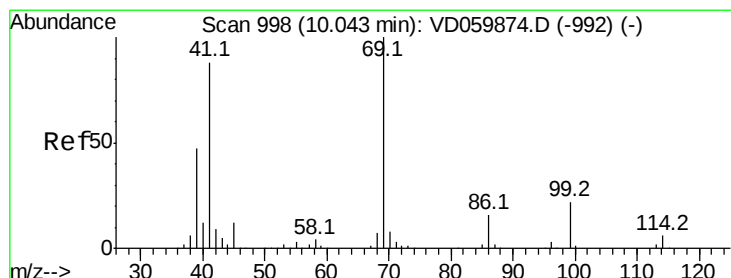
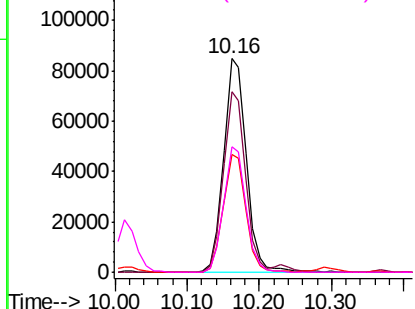
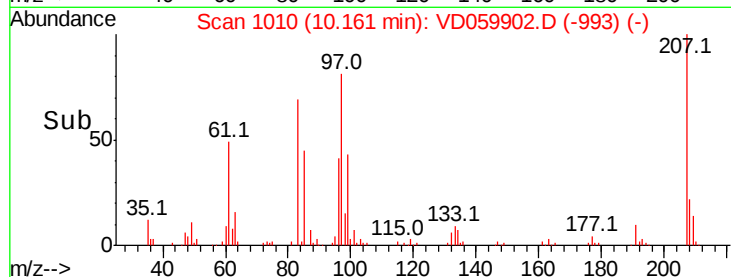
#55
 1,1,2-Trichloroethane
 Concen: 20.147 ug/l
 RT: 10.16 min Scan# 1010
 Delta R.T. -0.03 min
 Lab File: VD059902.D
 Acq: 24 Aug 2018 13:01

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 97 Resp: 185343
 Ion Ratio Lower Upper
 97 100
 83 84.4 66.7 100.1
 85 55.1 43.8 65.6
 99 58.9 49.8 74.6

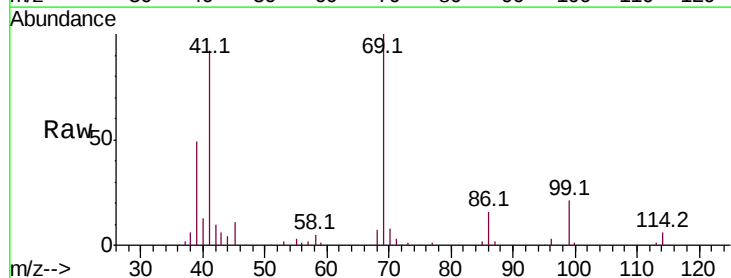


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

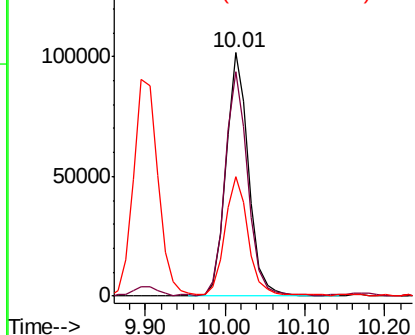
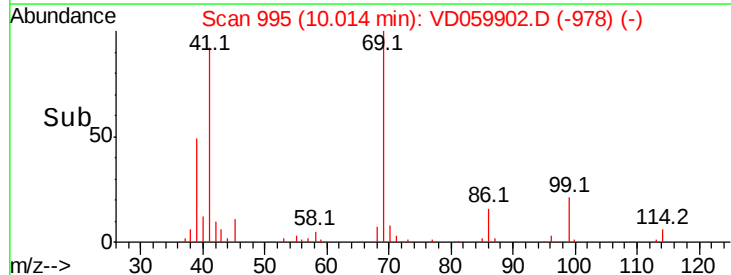


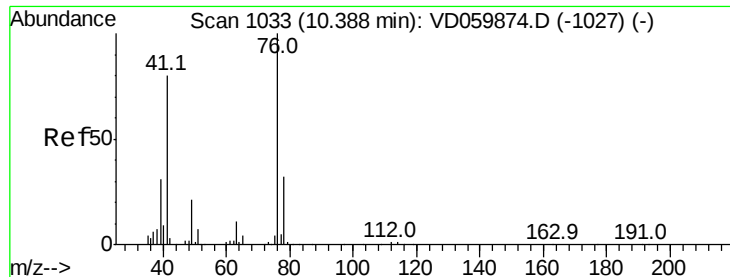
#56
 Ethyl methacrylate
 Concen: 19.053 ug/l
 RT: 10.01 min Scan# 995
 Delta R.T. -0.03 min
 Lab File: VD059902.D
 Acq: 24 Aug 2018 13:01

Tgt Ion: 69 Resp: 202287
 Ion Ratio Lower Upper
 69 100
 41 92.1 71.0 106.4
 39 49.2 38.5 57.7



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: 20.358 ug/l

RT: 10.37 min Scan# 1031

Delta R.T. -0.02 min

Lab File: VD059902.D

Acq: 24 Aug 2018 13:01

Instrument :

MSVOA_D

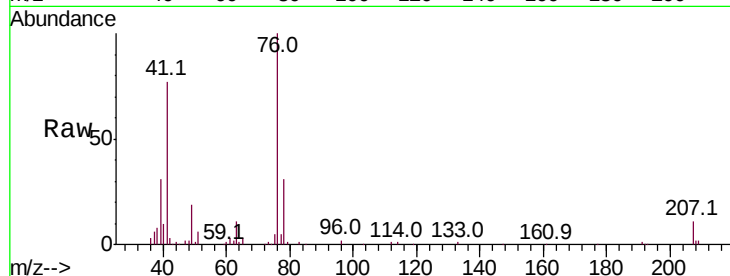
ClientSampleId :

Tot Ion: 76 Resp: 271070

Ion Ratio Lower Upper

76 100

78 31.2 25.8 38.6



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

10.37

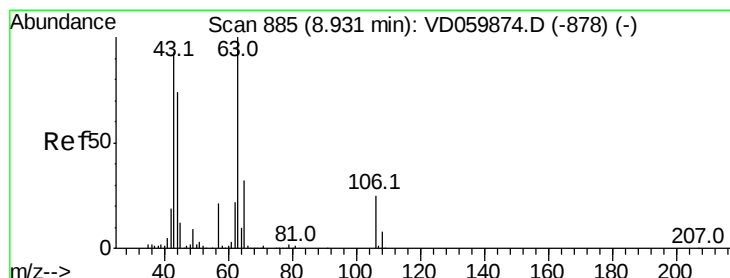
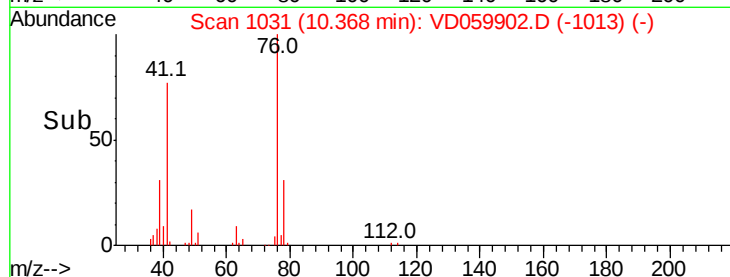
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 111.050 ug/l

RT: 8.90 min Scan# 882

Delta R.T. -0.03 min

Lab File: VD059902.D

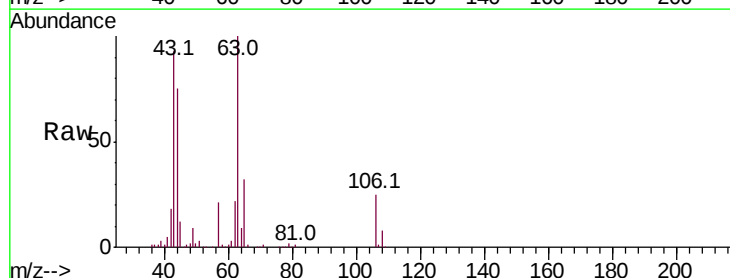
Acq: 24 Aug 2018 13:01

Tgt Ion: 63 Resp: 565600

Ion Ratio Lower Upper

63 100

106 24.7 20.1 30.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

8.90

300000

250000

200000

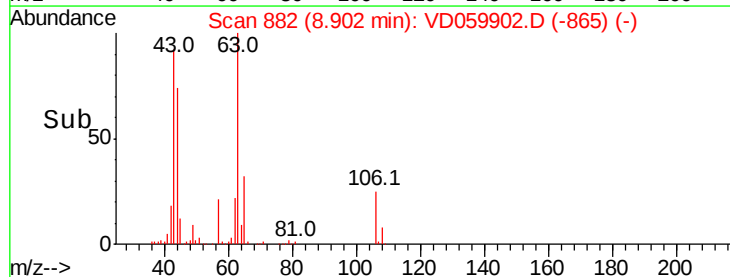
150000

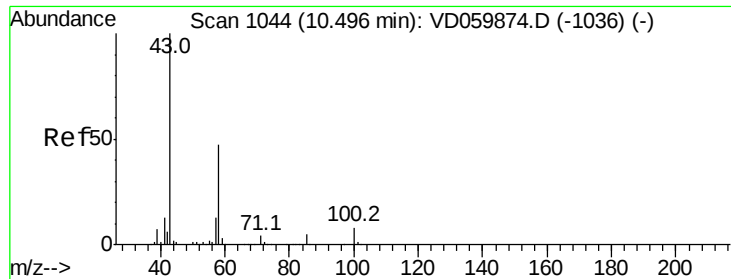
100000

50000

0

Time-->

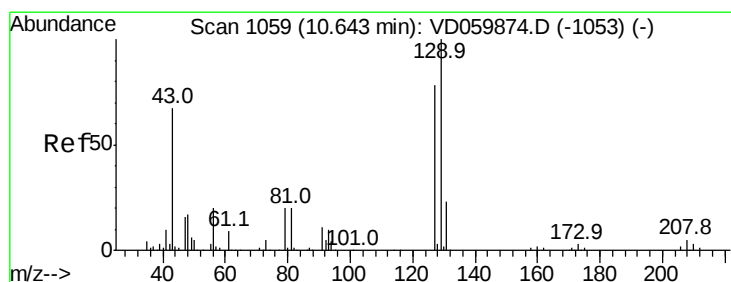
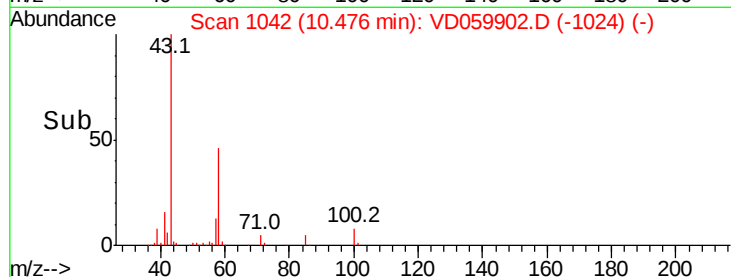
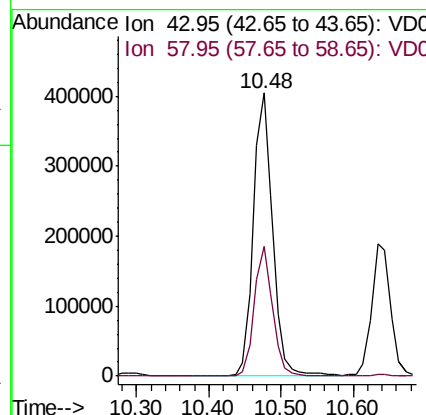
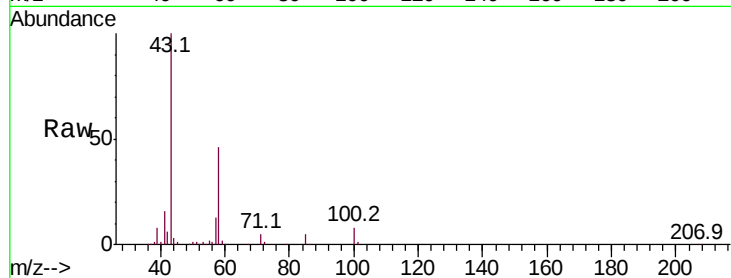




#59
2-Hexanone
Concen: 89.684 ug/l
RT: 10.48 min Scan# 1042
Delta R.T. -0.02 min
Lab File: VD059902.D
Acq: 24 Aug 2018 13:01

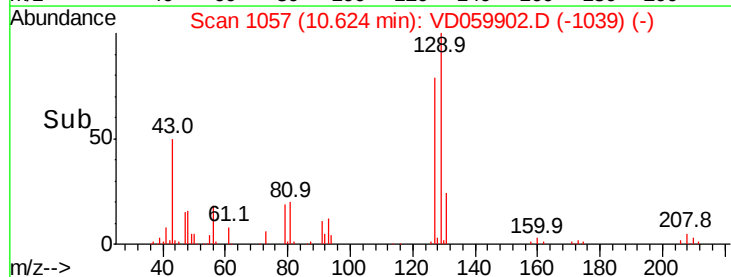
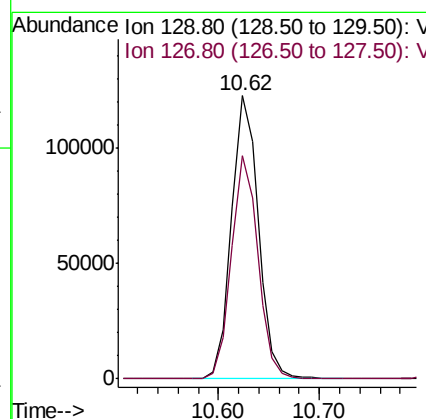
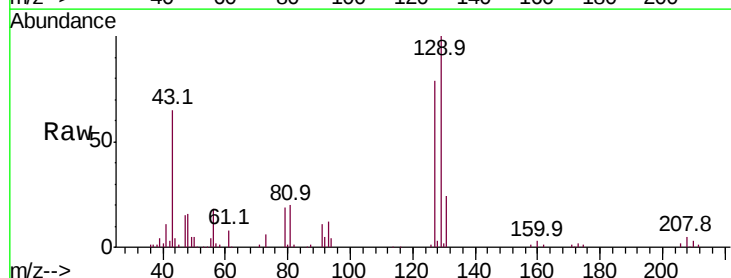
Instrument :
MSVOA_D
ClientSampleId :

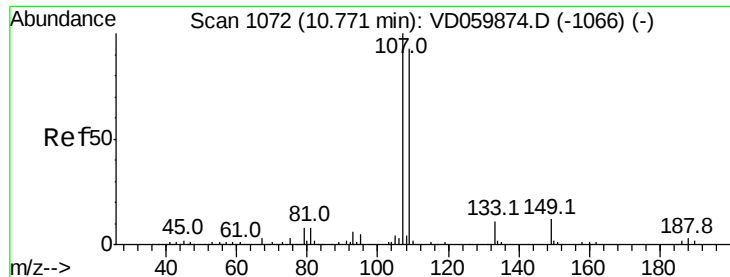
Tot Ion: 43 Resp: 753584
Ion Ratio Lower Upper
43 100
58 45.8 23.3 69.8



#60
Dibromochloromethane
Concen: 19.595 ug/l
RT: 10.62 min Scan# 1057
Delta R.T. -0.02 min
Lab File: VD059902.D
Acq: 24 Aug 2018 13:01

Tgt Ion: 129 Resp: 226581
Ion Ratio Lower Upper
129 100
127 78.7 39.1 117.2

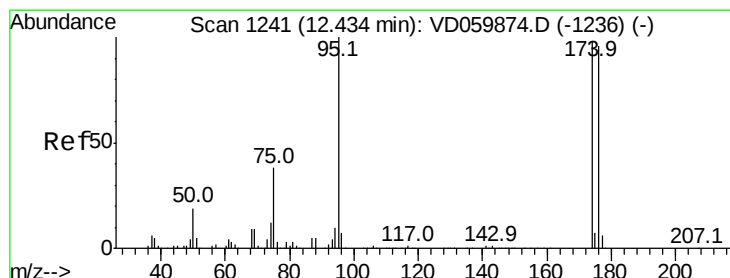
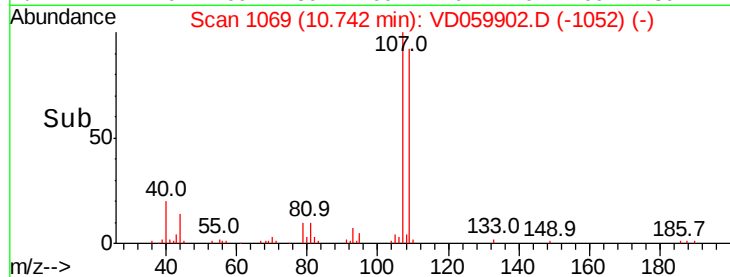
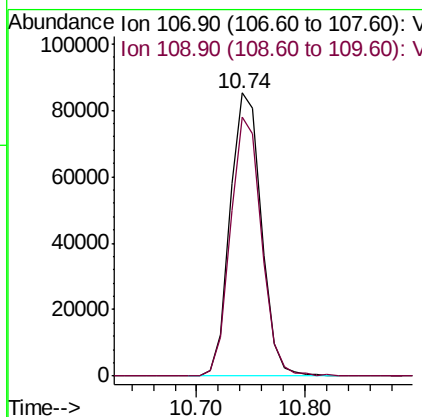
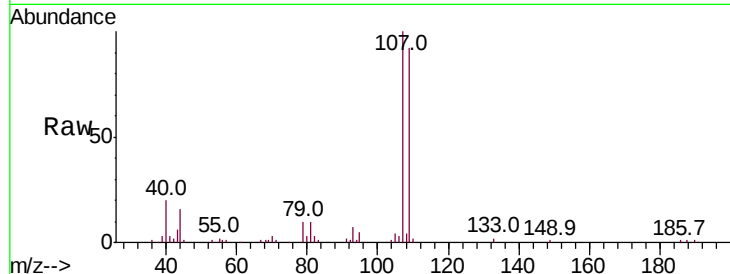




#61
 1,2-Dibromoethane
 Concen: 18.330 ug/l
 RT: 10.74 min Scan# 1069
 Delta R.T. -0.03 min
 Lab File: VD059902.D
 Acq: 24 Aug 2018 13:01

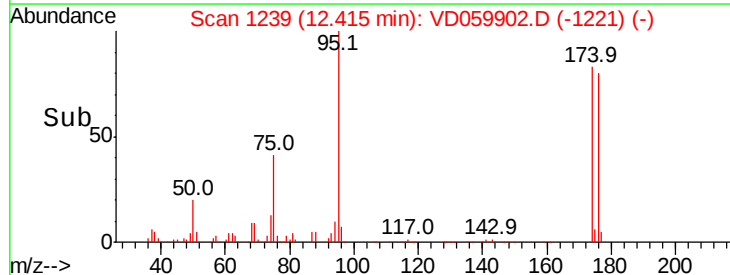
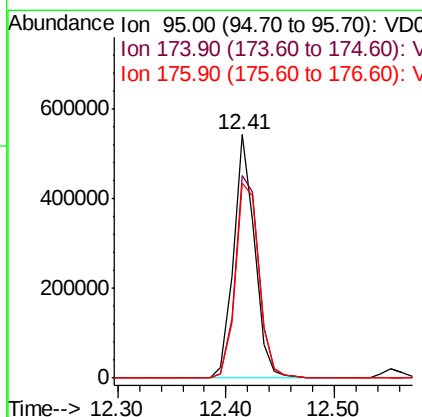
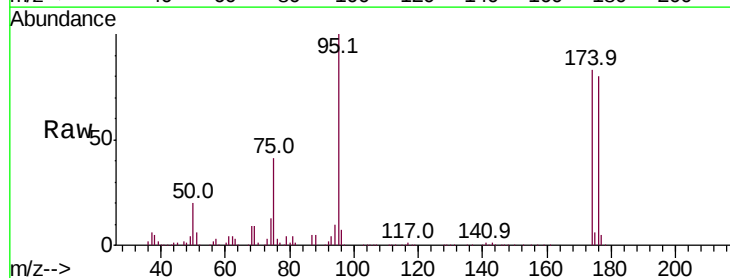
Instrument :
 MSVOA_D
 ClientSampleId :

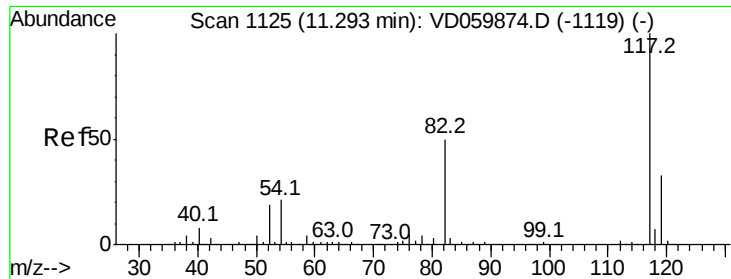
Tot Ion:107 Resp: 170500
 Ion Ratio Lower Upper
 107 100
 109 91.6 74.6 112.0



#62
 4-Bromofluorobenzene
 Concen: 18.330 ug/l
 RT: 12.41 min Scan# 1239
 Delta R.T. -0.02 min
 Lab File: VD059902.D
 Acq: 24 Aug 2018 13:01

Tgt Ion: 95 Resp: 738179
 Ion Ratio Lower Upper
 95 100
 174 83.2 0.0 195.6
 176 80.3 0.0 191.2

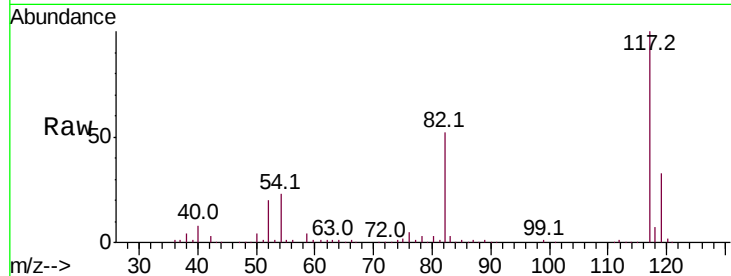




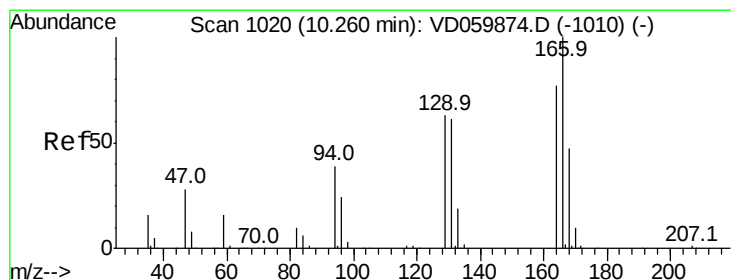
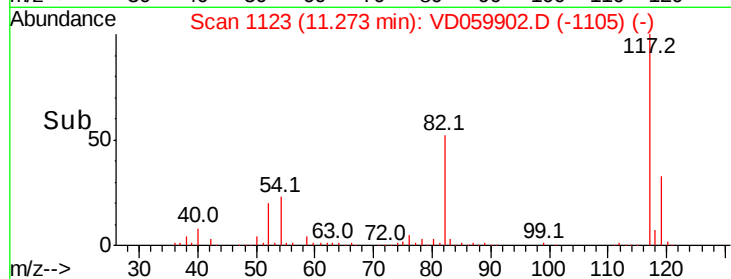
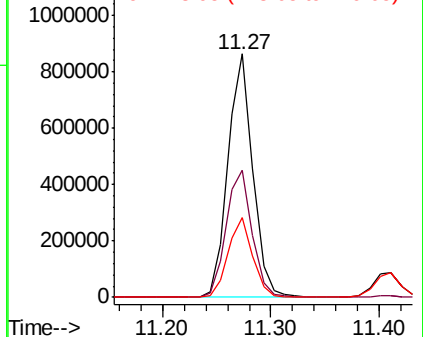
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.27 min Scan# 1123
Delta R.T. -0.02 min
Lab File: VD059902.D
Acq: 24 Aug 2018 13:01

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion:117 Resp: 1373656
Ion Ratio Lower Upper
117 100
82 52.5 40.1 60.1
119 32.5 26.7 40.1

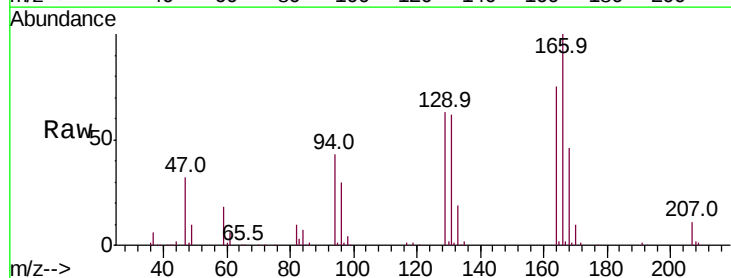


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

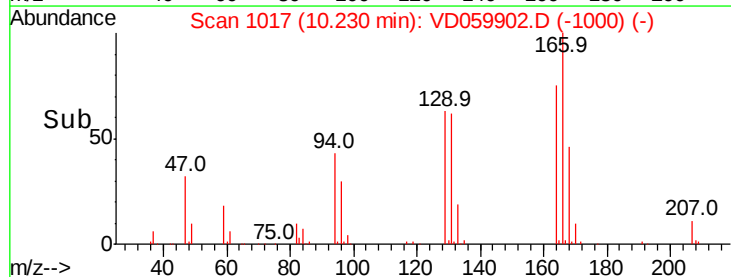
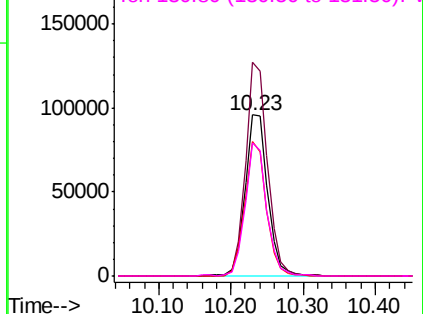


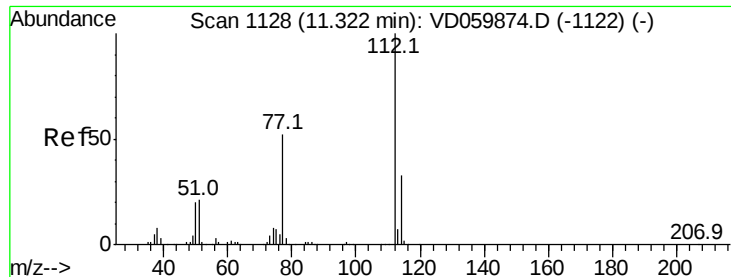
#64
Tetrachloroethene
Concen: 19.811 ug/l
RT: 10.23 min Scan# 1017
Delta R.T. -0.03 min
Lab File: VD059902.D
Acq: 24 Aug 2018 13:01

Tgt Ion:164 Resp: 210423
Ion Ratio Lower Upper
164 100
166 132.7 103.4 155.2
129 83.9 65.2 97.8
131 82.9 63.1 94.7



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

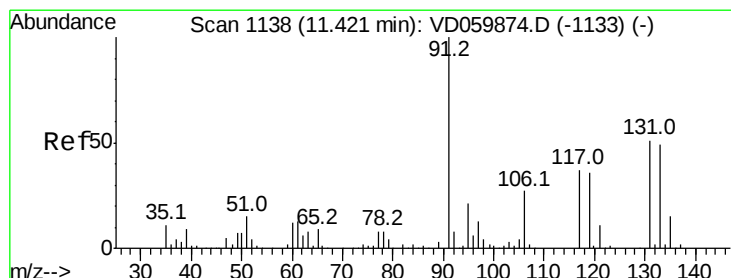
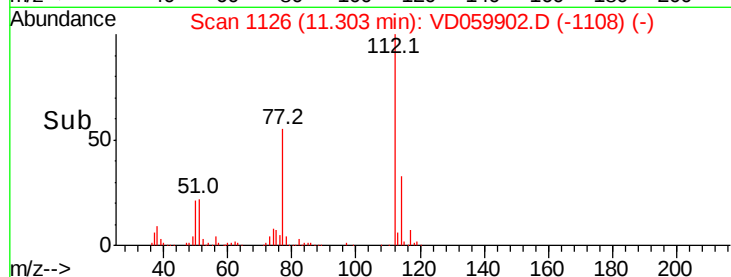
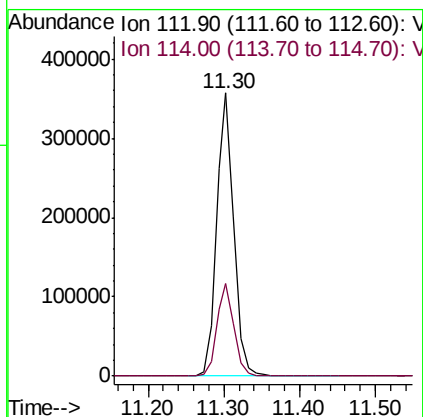
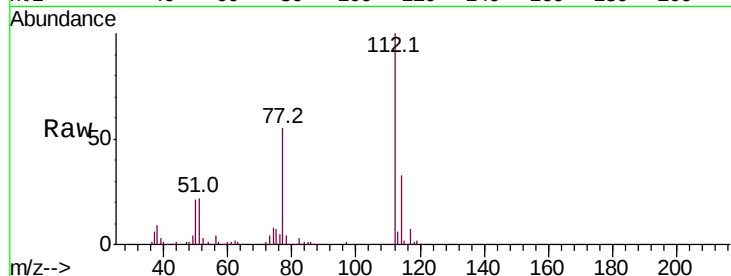




#65
Chlorobenzene
Concen: 20.670 ug/l
RT: 11.30 min Scan# 1126
Delta R.T. -0.02 min
Lab File: VD059902.D
Acq: 24 Aug 2018 13:01

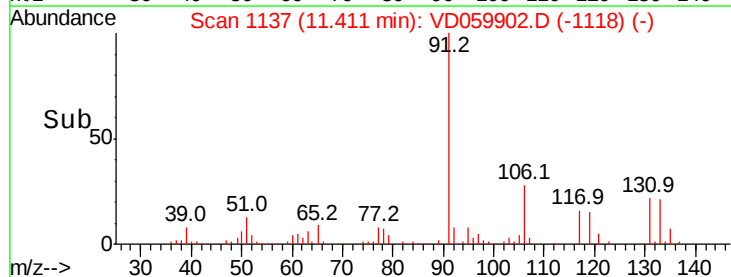
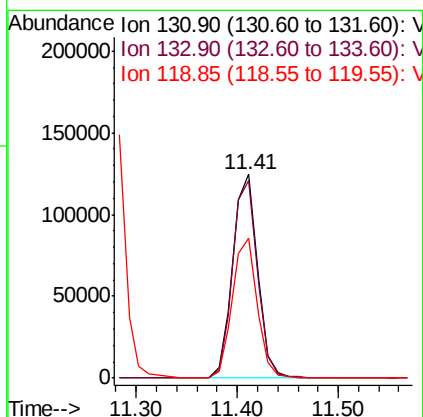
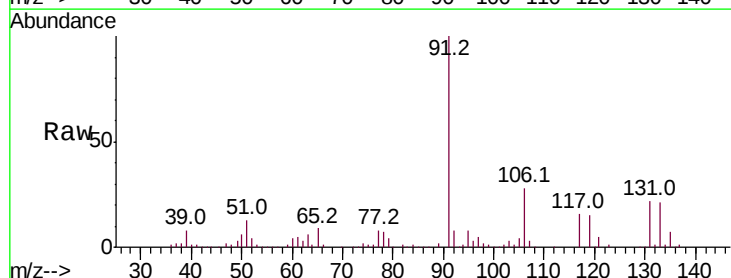
Instrument :
MSVOA_D
ClientSampleId :

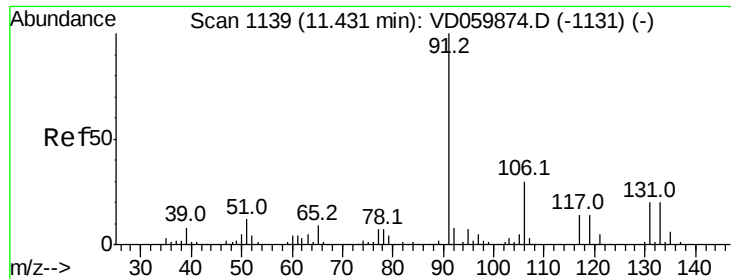
Tot Ion:112 Resp: 564219
Ion Ratio Lower Upper
112 100
114 32.9 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 21.242 ug/l
RT: 11.41 min Scan# 1137
Delta R.T. -0.01 min
Lab File: VD059902.D
Acq: 24 Aug 2018 13:01

Tgt Ion:131 Resp: 211836
Ion Ratio Lower Upper
131 100
133 97.0 48.3 144.8
119 68.6 35.4 106.3

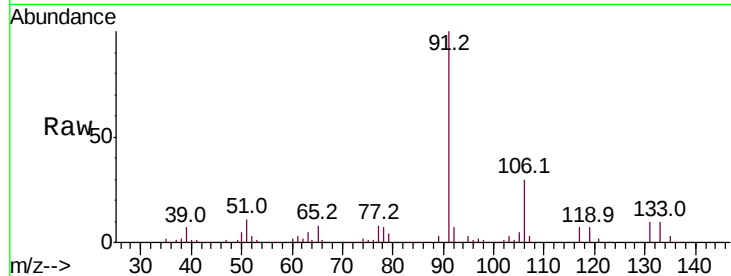




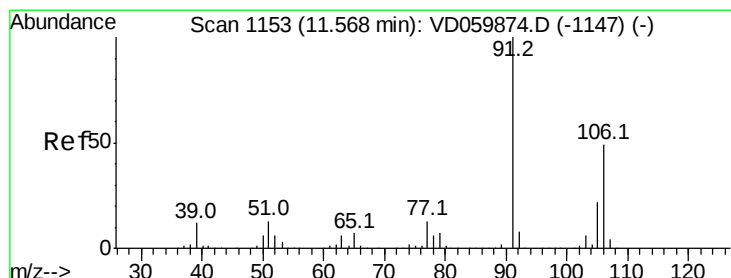
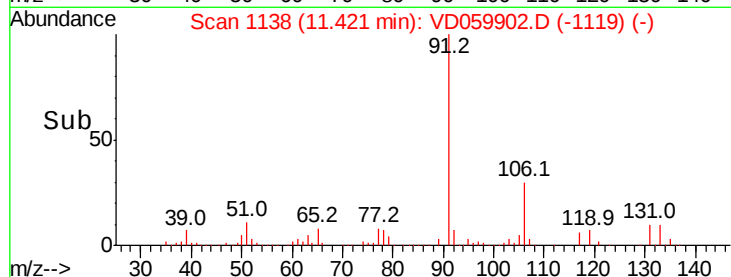
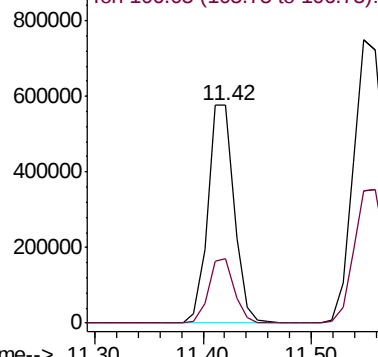
#67
Ethvl Benzene
Concen: 21.292 ug/l
RT: 11.42 min Scan# 1138
Delta R.T. -0.01 min
Lab File: VD059902.D
Acq: 24 Aug 2018 13:01

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 91 Resp: 977792
Ion Ratio Lower Upper
91 100
106 29.9 23.8 35.8

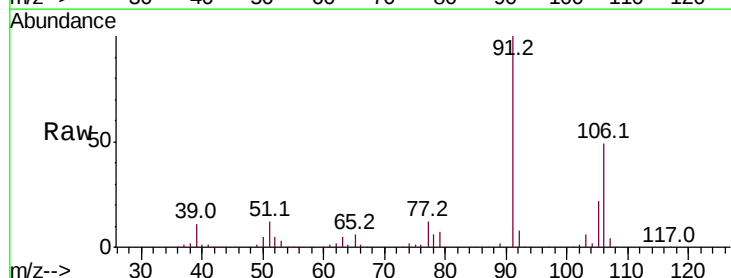


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 106.05 (105.75 to 106.75): V

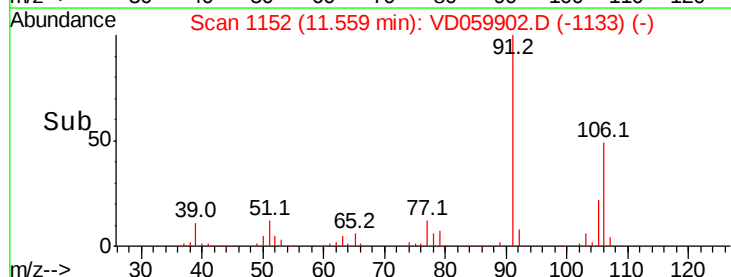
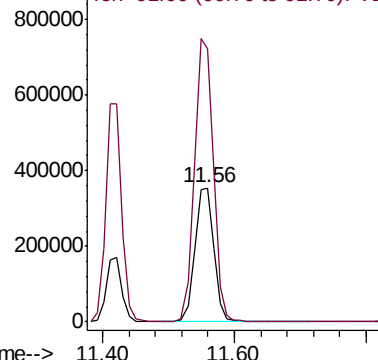


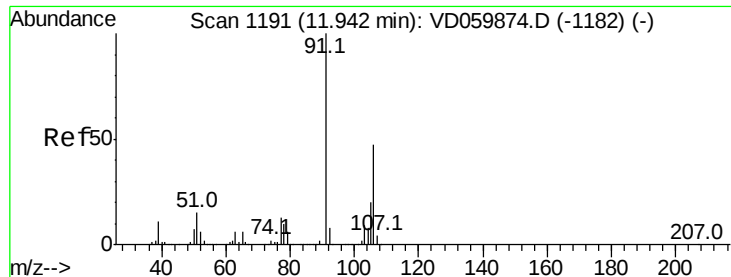
#68
m/p-Xylenes
Concen: 42.610 ug/l
RT: 11.56 min Scan# 1152
Delta R.T. -0.01 min
Lab File: VD059902.D
Acq: 24 Aug 2018 13:01

Tgt Ion:106 Resp: 712450
Ion Ratio Lower Upper
106 100
91 203.5 162.0 243.0



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

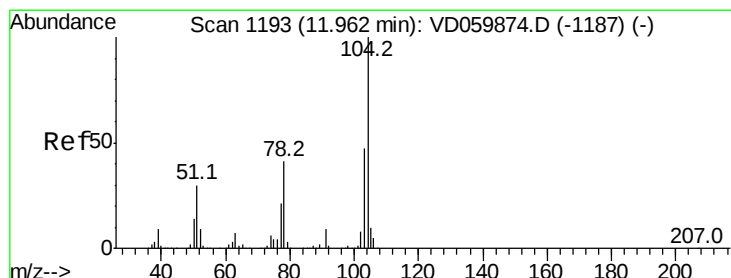
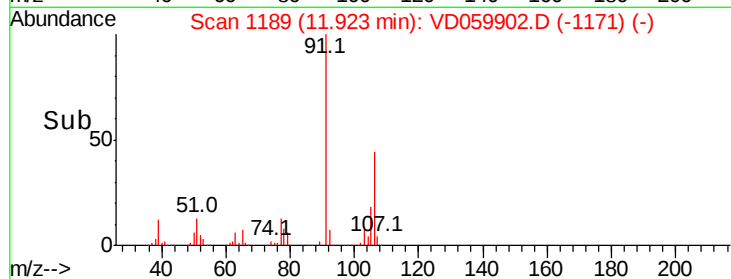
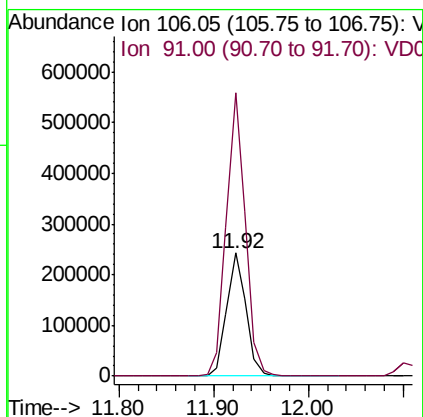
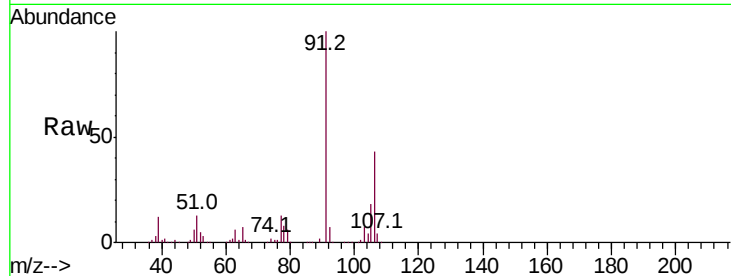




#69
o-Xylene
Concen: 20.932 ug/l
RT: 11.92 min Scan# 1189
Delta R.T. -0.02 min
Lab File: VD059902.D
Acq: 24 Aug 2018 13:01

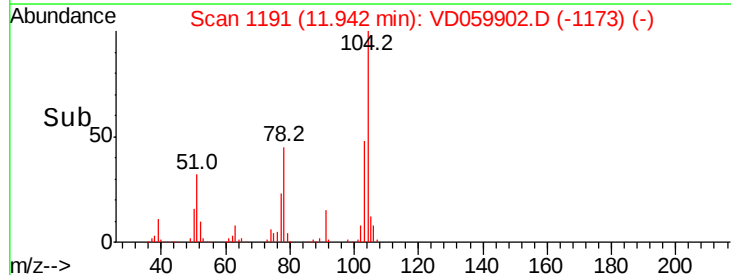
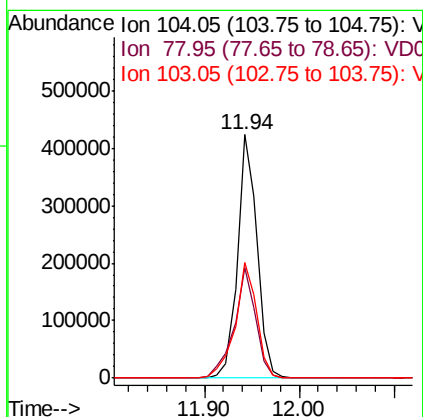
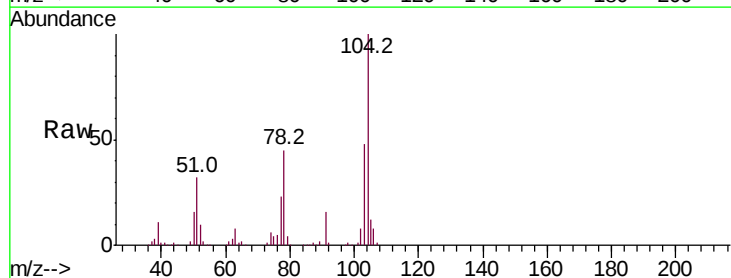
Instrument :
MSVOA_D
ClientSampleId :

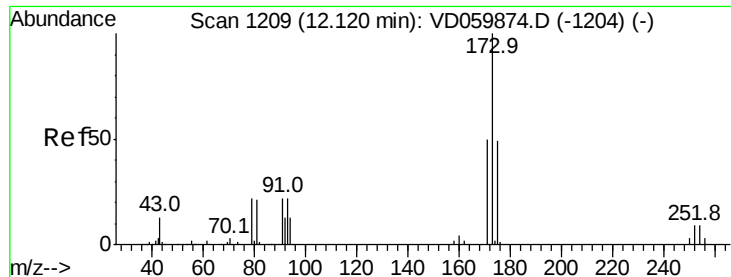
Tot Ion:106 Resp: 342310
Ion Ratio Lower Upper
106 100
91 230.2 107.3 322.0



#70
Styrene
Concen: 21.383 ug/l
RT: 11.94 min Scan# 1191
Delta R.T. -0.02 min
Lab File: VD059902.D
Acq: 24 Aug 2018 13:01

Tgt Ion:104 Resp: 605494
Ion Ratio Lower Upper
104 100
78 45.4 32.6 49.0
103 47.5 37.7 56.5





#71

Bromoform

Concen: 19.660 ug/l

RT: 12.11 min Scan# 1208

Delta R.T. -0.01 min

Lab File: VD059902.D

Acq: 24 Aug 2018 13:01

Instrument :

MSVOA_D

ClientSampled :

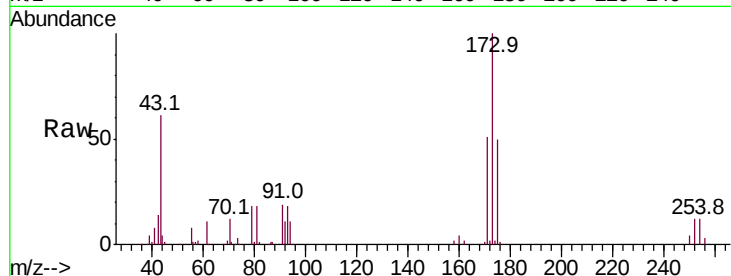
Tot Ion:173 Resp: 169646

Ion Ratio Lower Upper

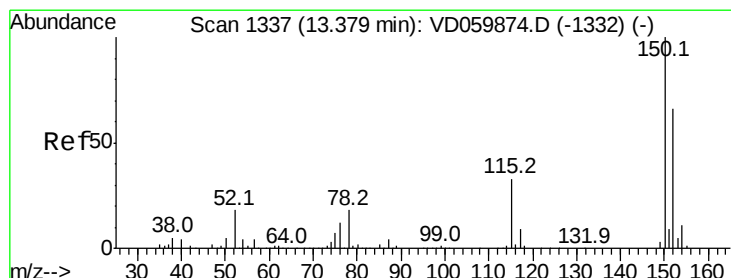
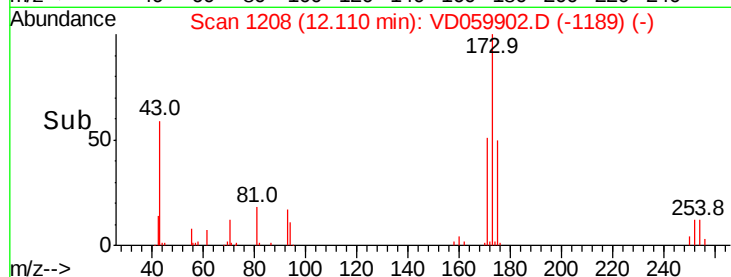
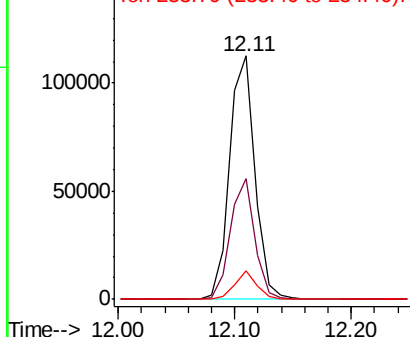
173 100

175 49.5 24.3 73.0

254 11.6 7.0 10.6#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.36 min Scan# 1335

Delta R.T. -0.02 min

Lab File: VD059902.D

Acq: 24 Aug 2018 13:01

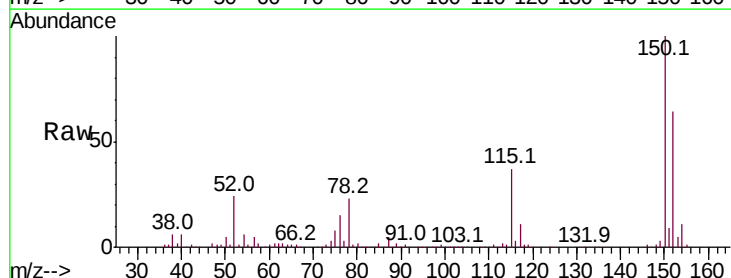
Tgt Ion:152 Resp: 744001

Ion Ratio Lower Upper

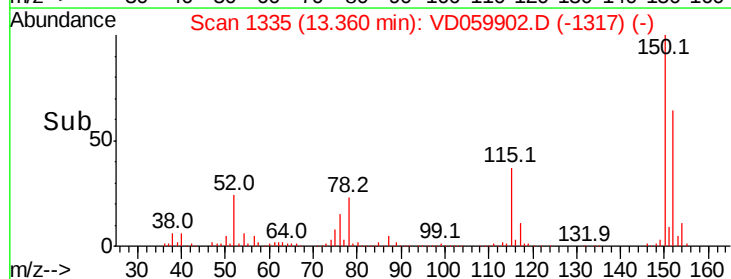
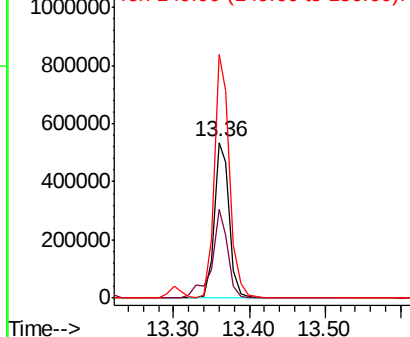
152 100

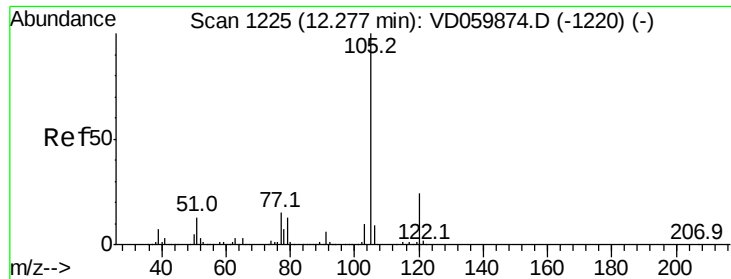
115 57.2 25.7 77.0

150 156.7 0.0 310.2



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





#73

Isopropylbenzene

Concen: 21.005 ug/l

RT: 12.27 min Scan# 1224

Delta R.T. -0.01 min

Lab File: VD059902.D

Acq: 24 Aug 2018 13:01

Instrument :

MSVOA_D

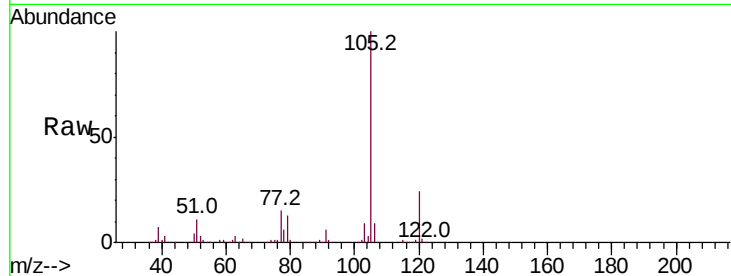
ClientSampled :

Tot Ion:105 Resp: 997572

Ion Ratio Lower Upper

105 100

120 24.3 11.8 35.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

12.27

800000

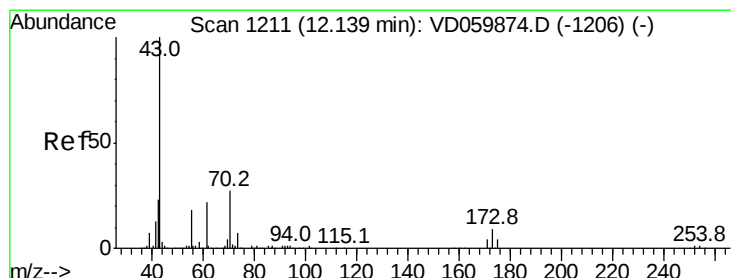
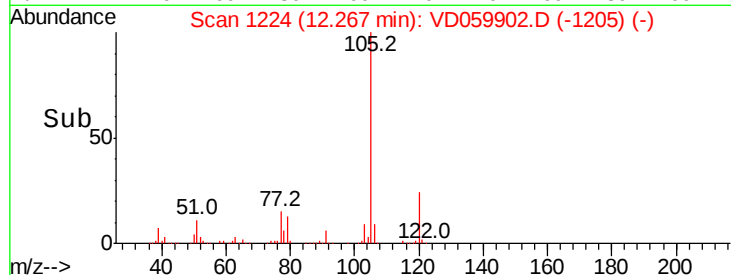
600000

400000

200000

0

Time-->



#74

N-ethyl acetate

Concen: 19.418 ug/l

RT: 12.12 min Scan# 1209

Delta R.T. -0.02 min

Lab File: VD059902.D

Acq: 24 Aug 2018 13:01

Tgt Ion: 43 Resp: 403804

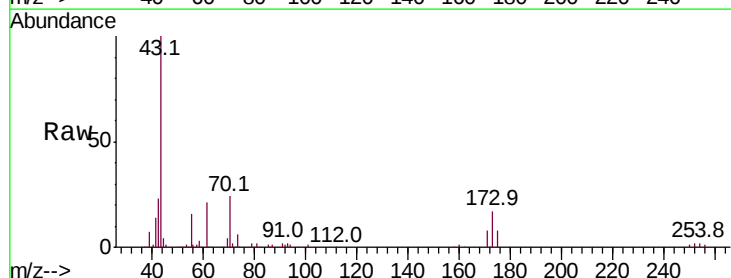
Ion Ratio Lower Upper

43 100

70 24.1 21.4 32.2

55 16.1 14.1 21.1

61 21.1 17.8 26.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC

400000

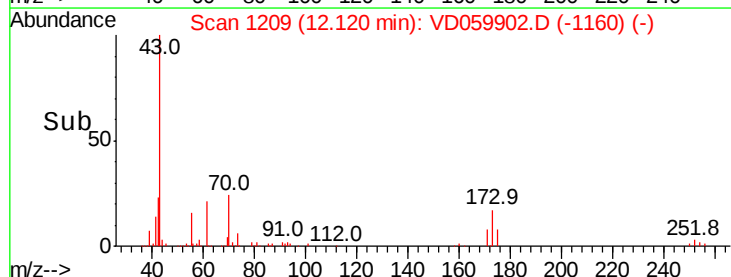
300000

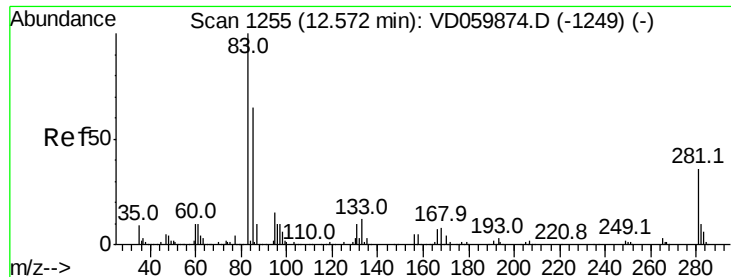
200000

100000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.368 ug/l

RT: 12.55 min Scan# 1253

Delta R.T. -0.02 min

Lab File: VD059902.D

Acq: 24 Aug 2018 13:01

Instrument :

MSVOA_D

ClientSampleId :

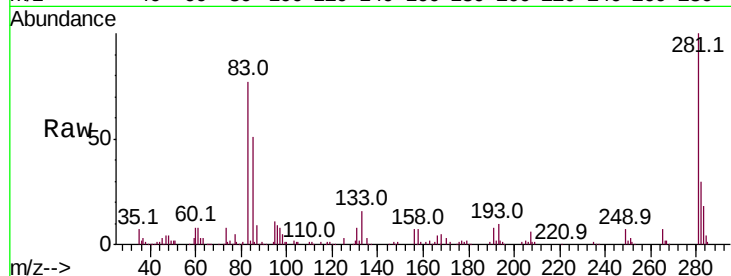
Tot Ion: 83 Resp: 212769

Ion Ratio Lower Upper

83 100

131 9.9 4.8 14.4

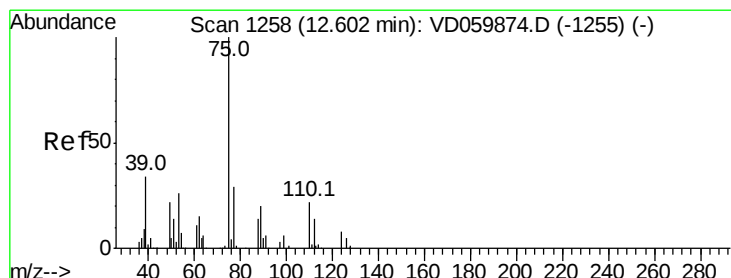
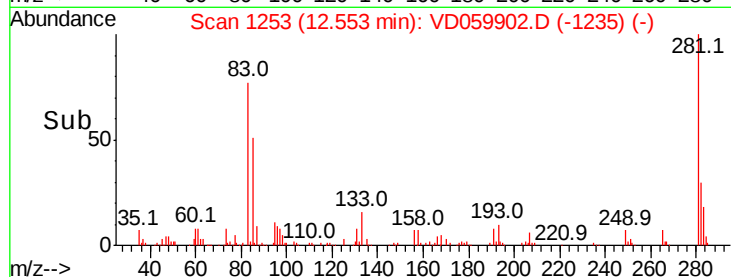
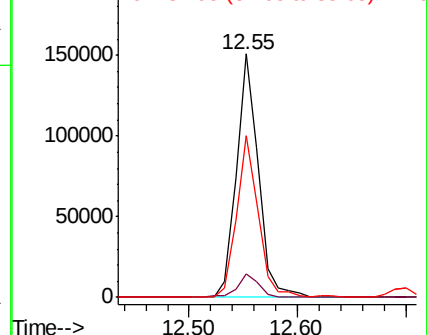
85 66.3 32.6 97.8



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 19.302 ug/l

RT: 12.59 min Scan# 1257

Delta R.T. -0.01 min

Lab File: VD059902.D

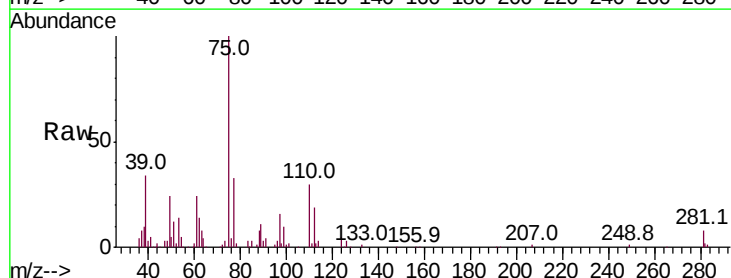
Acq: 24 Aug 2018 13:01

Tgt Ion: 75 Resp: 223198

Ion Ratio Lower Upper

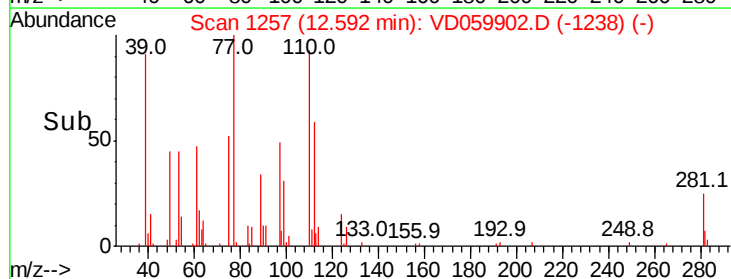
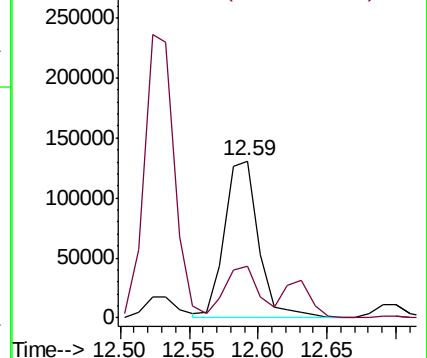
75 100

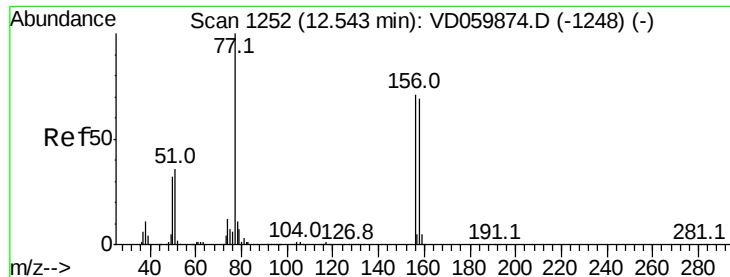
77 33.4 16.4 49.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 20.686 ug/l

RT: 12.53 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VD059902.D

Acq: 24 Aug 2018 13:01

Instrument :

MSVOA_D

ClientSampleId :

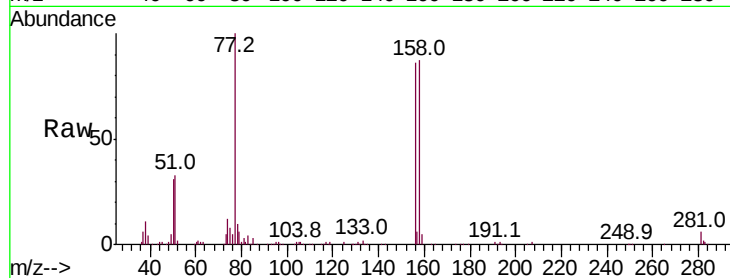
Tot Ion:156 Resp: 272388

Ion Ratio Lower Upper

156 100

77 115.7 70.2 210.4

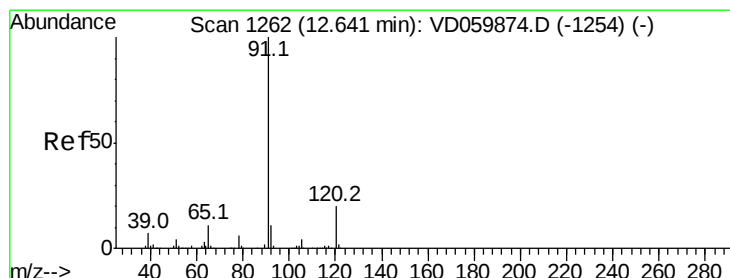
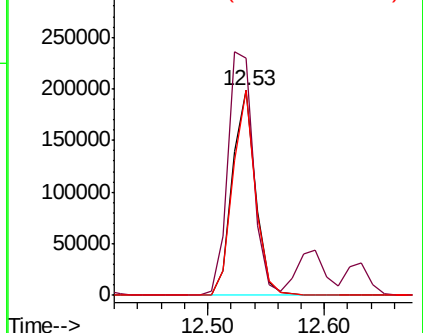
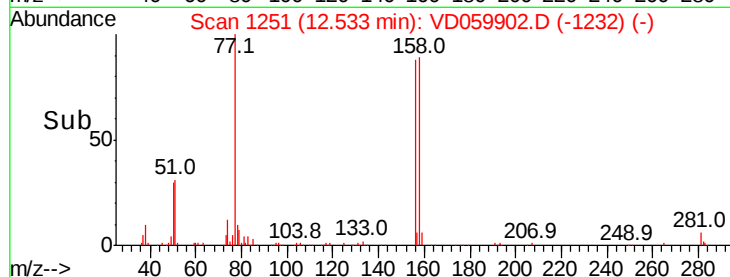
158 100.2 48.4 145.2



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 20.927 ug/l

RT: 12.63 min Scan# 1261

Delta R.T. -0.01 min

Lab File: VD059902.D

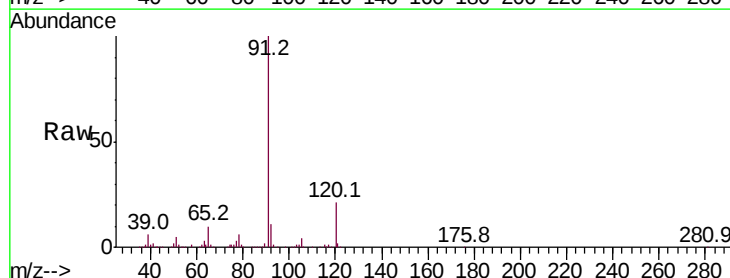
Acq: 24 Aug 2018 13:01

Tgt Ion: 91 Resp: 1258513

Ion Ratio Lower Upper

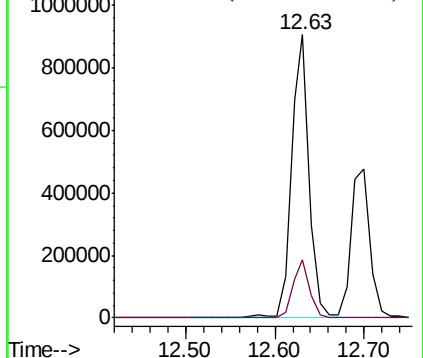
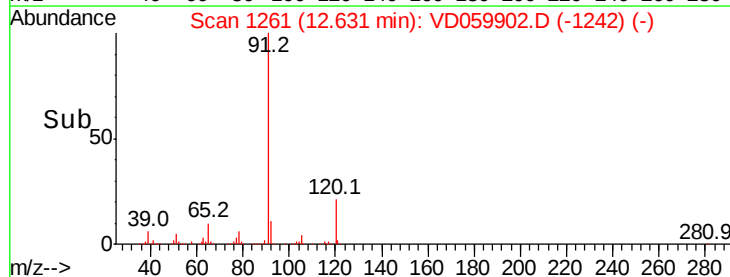
91 100

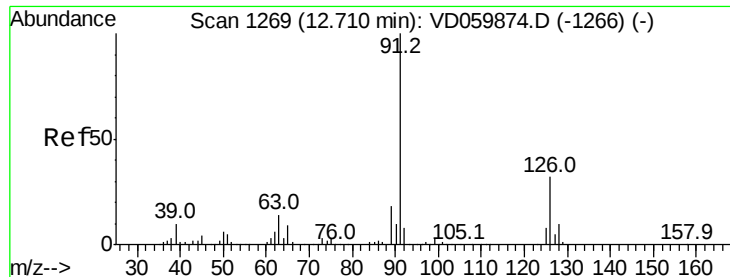
120 20.7 10.1 30.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

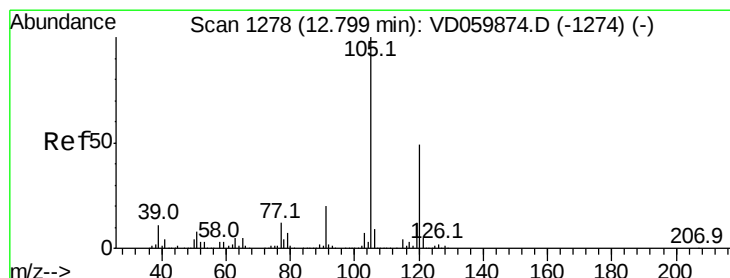
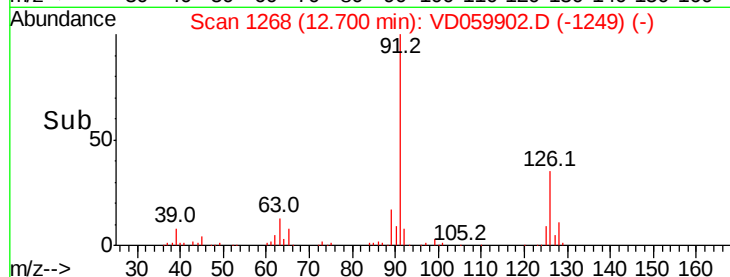
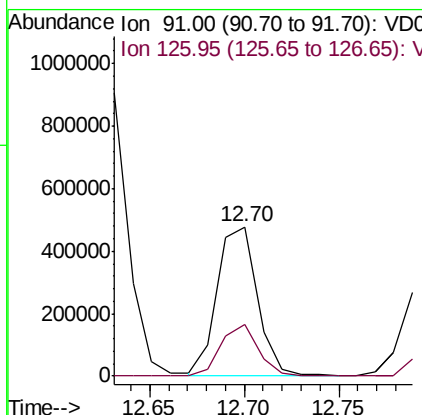
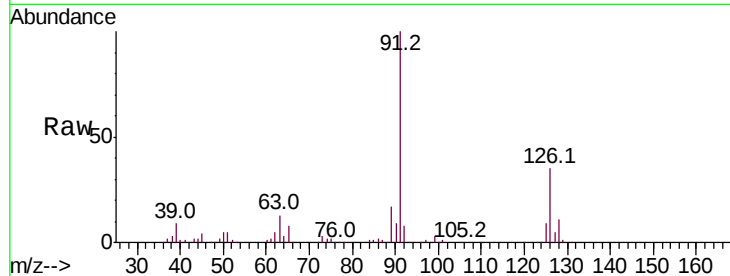




#79
 2-Chlorotoluene
 Concen: 20.729 ug/l
 RT: 12.70 min Scan# 1268
 Delta R.T. -0.01 min
 Lab File: VD059902.D
 Acq: 24 Aug 2018 13:01

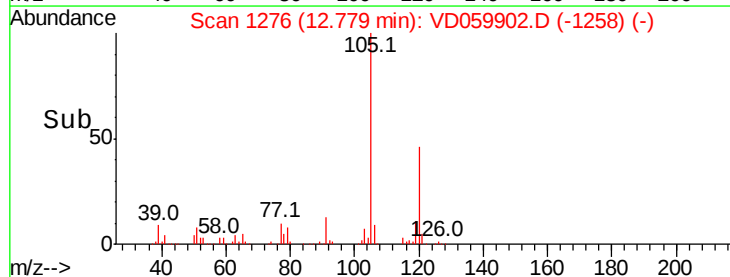
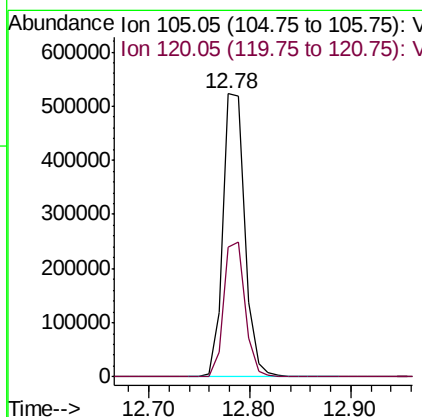
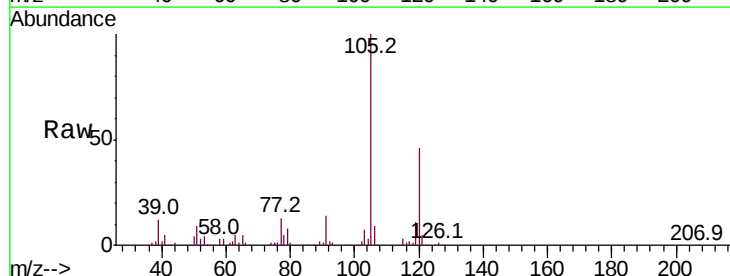
Instrument :
 MSVOA_D
 ClientSampled :

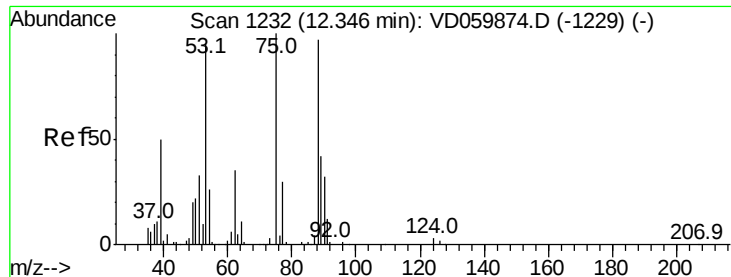
Tot Ion: 91 Resp: 705001
 Ion Ratio Lower Upper
 91 100
 126 34.9 16.1 48.2



#80
 1,3,5-Trimethylbenzene
 Concen: 20.849 ug/l
 RT: 12.78 min Scan# 1276
 Delta R.T. -0.02 min
 Lab File: VD059902.D
 Acq: 24 Aug 2018 13:01

Tgt Ion:105 Resp: 787250
 Ion Ratio Lower Upper
 105 100
 120 45.8 24.5 73.5





#81

trans-1,4-Dichloro-2-butene

Concen: 18.577 ug/l

RT: 12.34 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VD059902.D

Acq: 24 Aug 2018 13:01

Instrument :

MSVOA_D

ClientSampled :

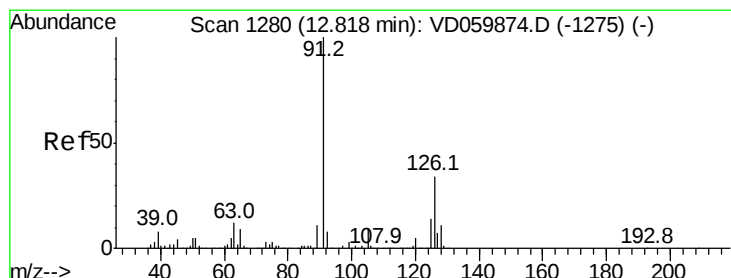
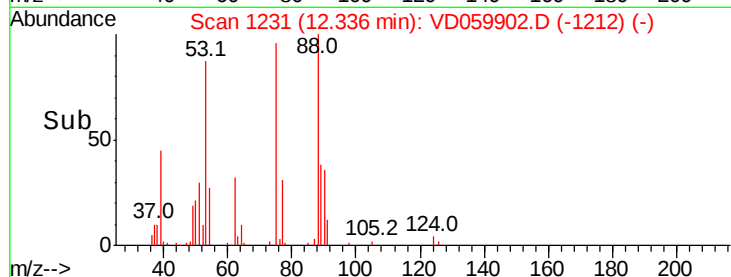
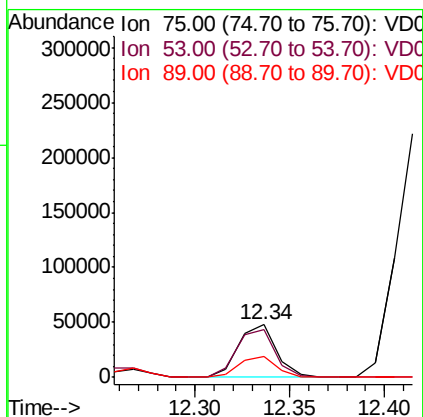
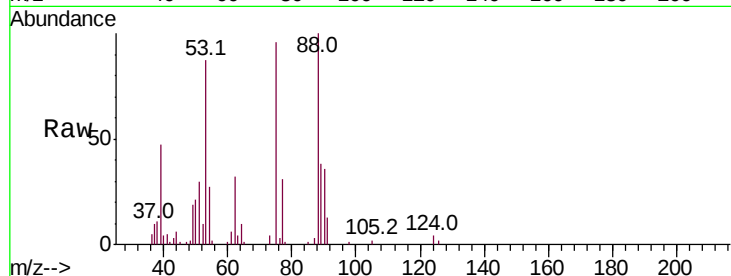
Tot Ion: 75 Resp: 66822

Ion Ratio Lower Upper

75 100

53 90.0 75.8 113.6

89 39.5 33.6 50.4



#82

4-Chlorotoluene

Concen: 20.918 ug/l

RT: 12.80 min Scan# 1278

Delta R.T. -0.02 min

Lab File: VD059902.D

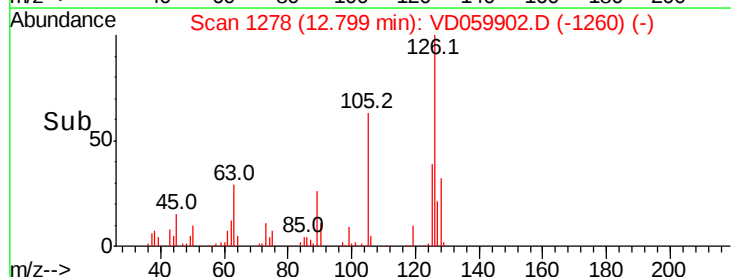
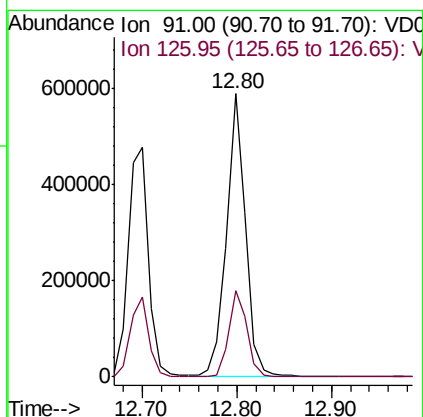
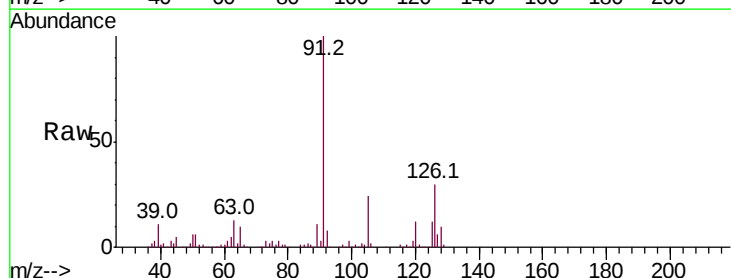
Acq: 24 Aug 2018 13:01

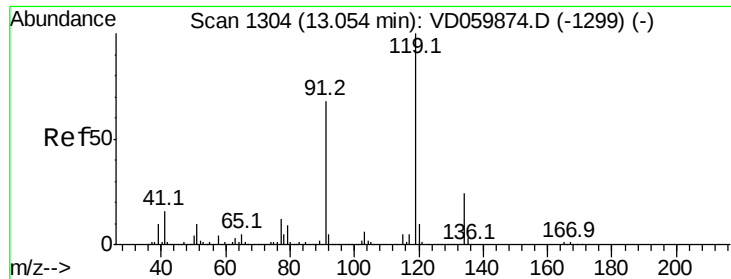
Tgt Ion: 91 Resp: 811457

Ion Ratio Lower Upper

91 100

126 30.4 17.1 51.2

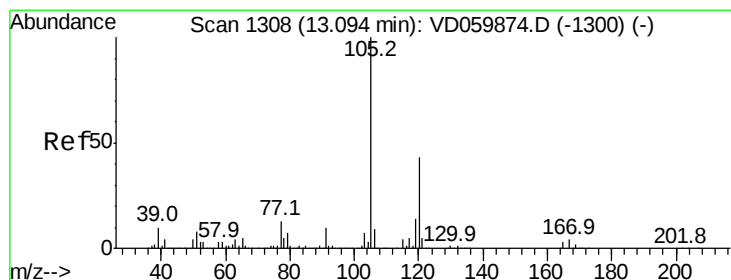
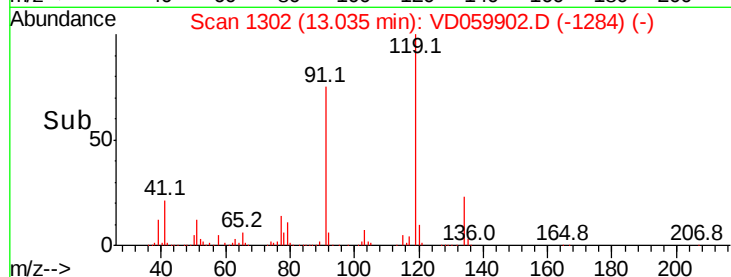
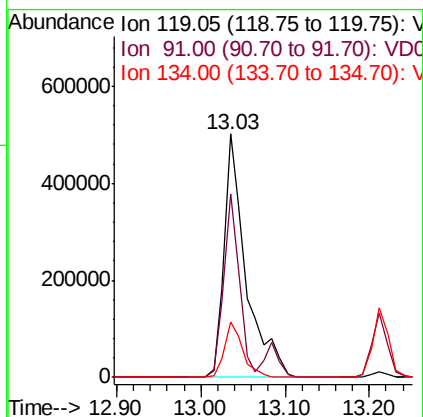
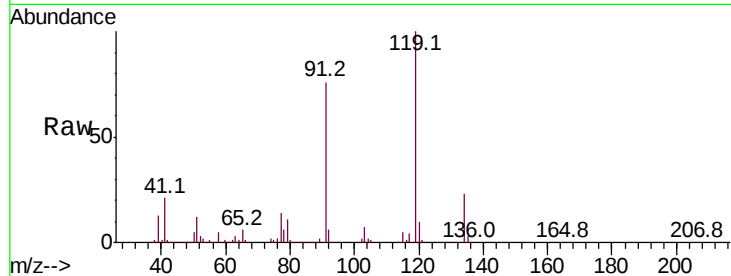




#83
tert-Butylbenzene
Concen: 21.130 ug/l
RT: 13.03 min Scan# 1302
Delta R.T. -0.02 min
Lab File: VD059902.D
Acq: 24 Aug 2018 13:01

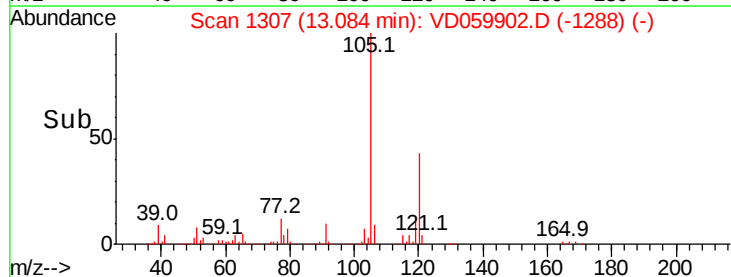
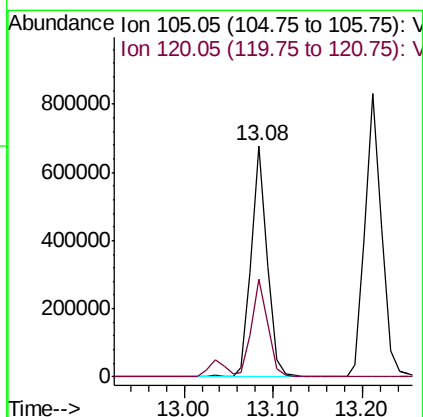
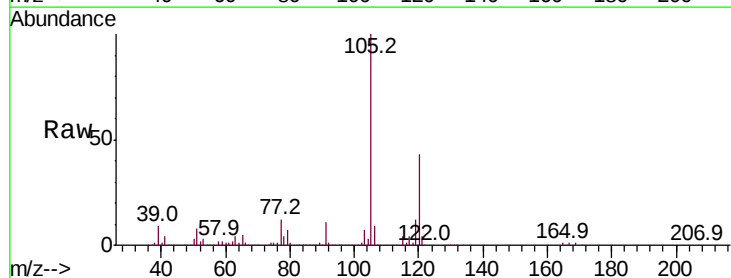
Instrument :
MSVOA_D
ClientSampled :

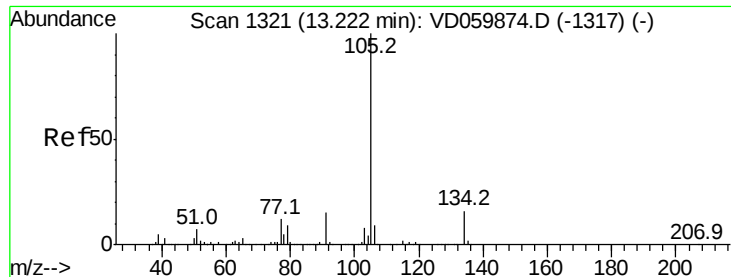
Tot Ion:119 Resp: 908863
Ion Ratio Lower Upper
119 100
91 75.5 34.3 102.9
134 22.7 11.9 35.9



#84
1,2,4-Trimethylbenzene
Concen: 21.252 ug/l
RT: 13.08 min Scan# 1307
Delta R.T. -0.01 min
Lab File: VD059902.D
Acq: 24 Aug 2018 13:01

Tgt Ion:105 Resp: 836399
Ion Ratio Lower Upper
105 100
120 42.6 21.8 65.3

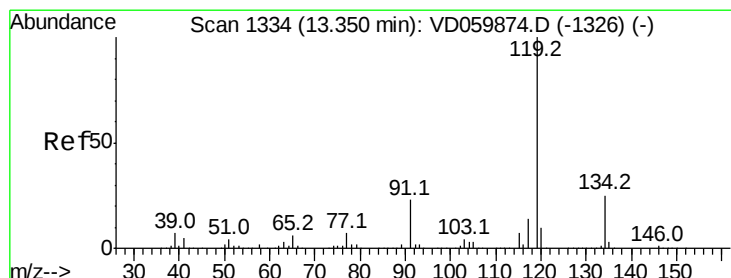
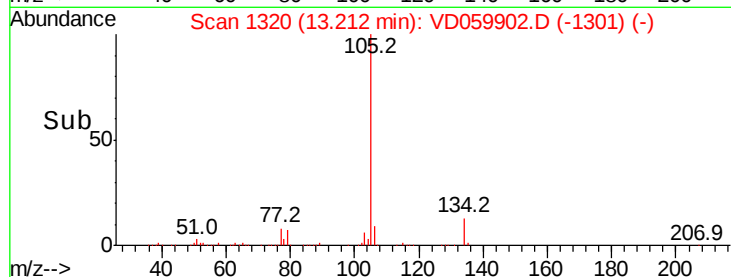
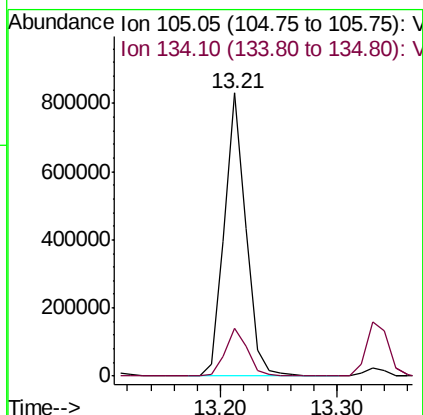
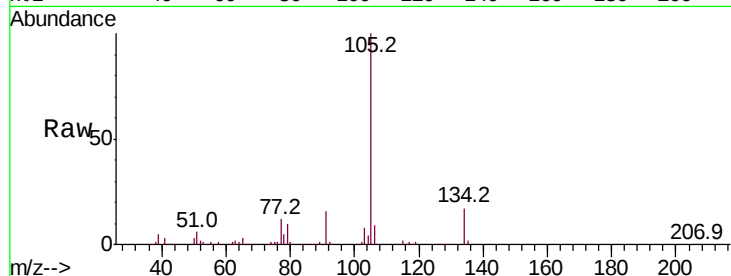




#85
 sec-Butylbenzene
 Concen: 21.044 ug/l
 RT: 13.21 min Scan# 1320
 Delta R.T. -0.01 min
 Lab File: VD059902.D
 Acq: 24 Aug 2018 13:01

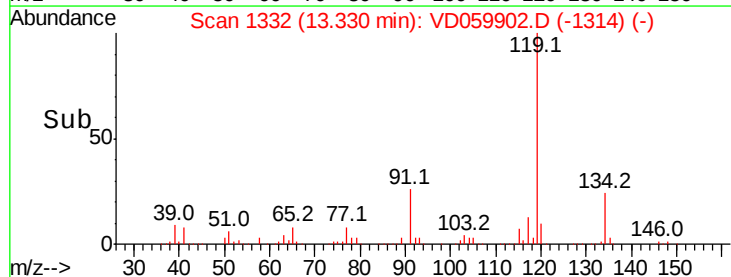
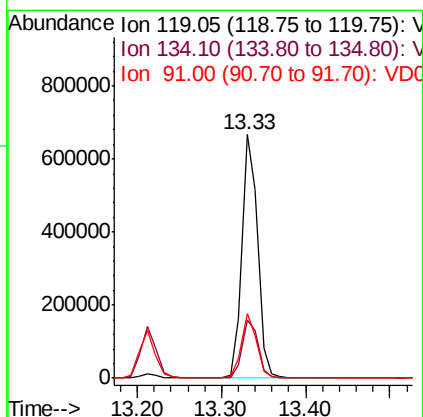
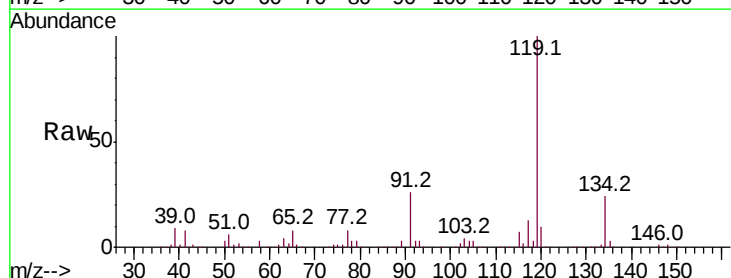
Instrument :
 MSVOA_D
 ClientSampleId :

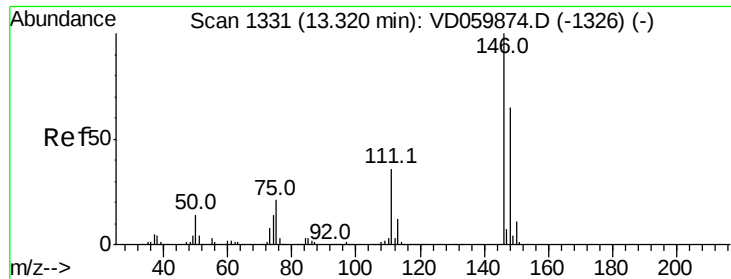
Tot Ion:105 Resp: 1064454
 Ion Ratio Lower Upper
 105 100
 134 17.1 8.2 24.4



#86
 p-Isopropyltoluene
 Concen: 20.891 ug/l
 RT: 13.33 min Scan# 1332
 Delta R.T. -0.02 min
 Lab File: VD059902.D
 Acq: 24 Aug 2018 13:01

Tgt Ion:119 Resp: 859415
 Ion Ratio Lower Upper
 119 100
 134 24.0 12.7 38.1
 91 26.4 11.7 35.0





#87

1,3-Dichlorobenzene

Concen: 20.767 ug/l

RT: 13.30 min Scan# 1329

Delta R.T. -0.02 min

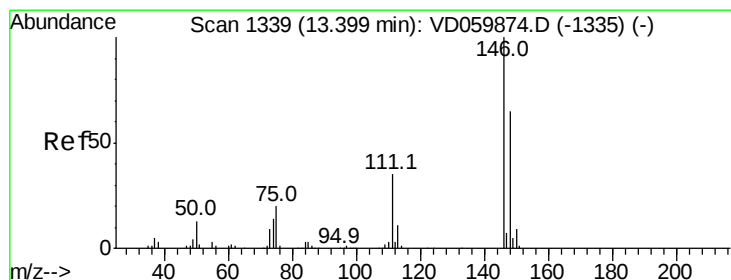
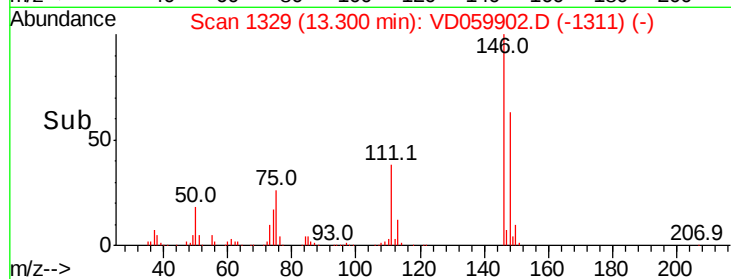
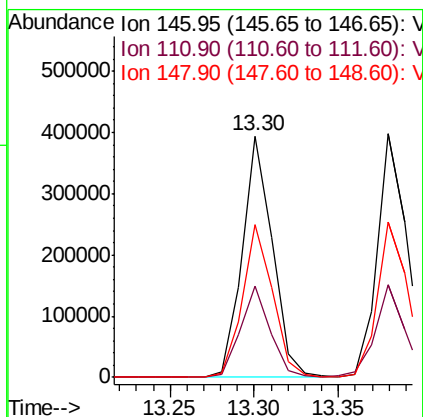
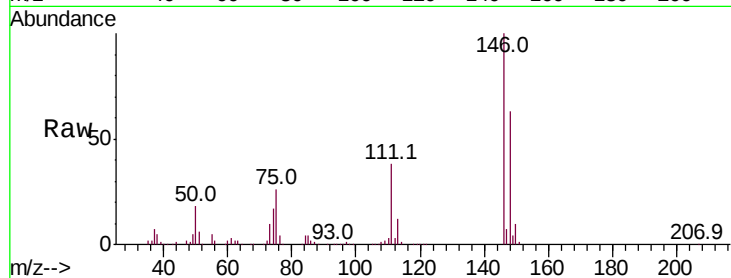
Lab File: VD059902.D

Acq: 24 Aug 2018 13:01

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:146 Resp: 488191

Ion	Ratio	Lower	Upper
146	100		
111	38.0	17.9	53.7
148	63.3	32.4	97.0



#88

1,4-Dichlorobenzene

Concen: 20.913 ug/l

RT: 13.38 min Scan# 1337

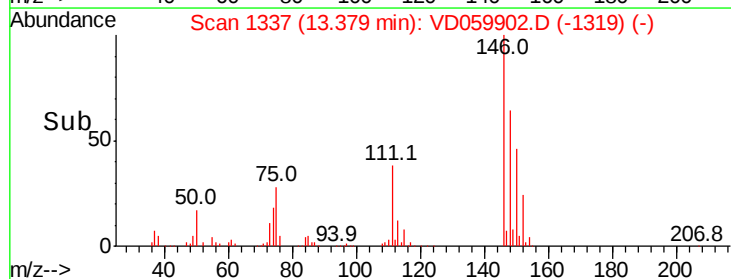
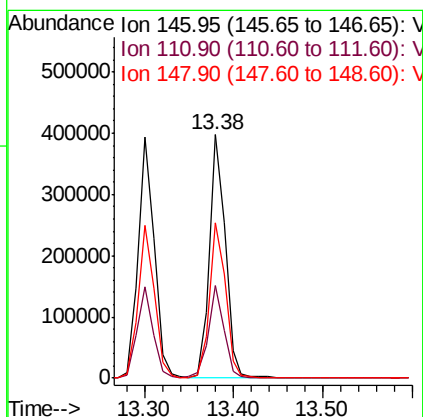
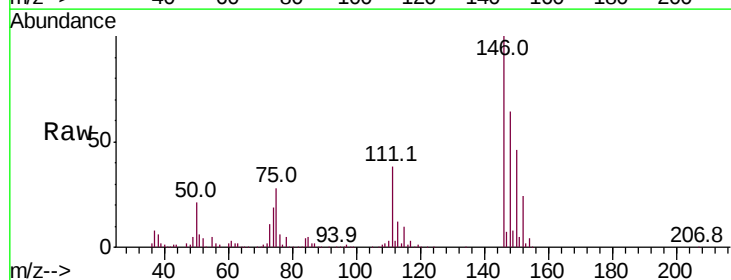
Delta R.T. -0.02 min

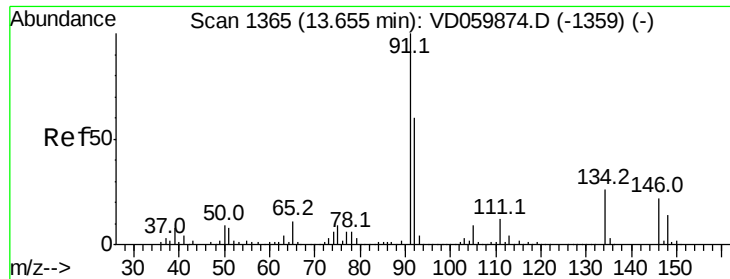
Lab File: VD059902.D

Acq: 24 Aug 2018 13:01

Tgt Ion:146 Resp: 490501

Ion	Ratio	Lower	Upper
146	100		
111	37.8	17.5	52.6
148	63.9	32.5	97.5

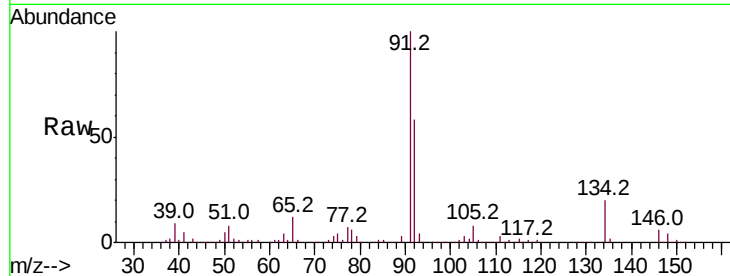




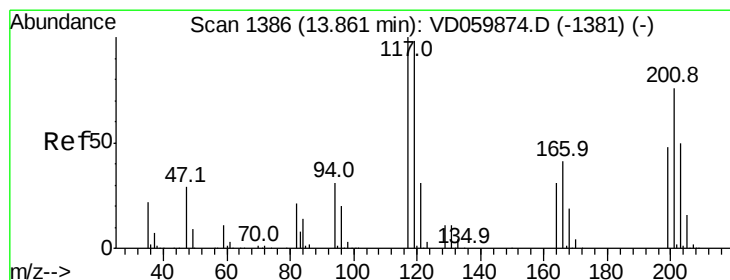
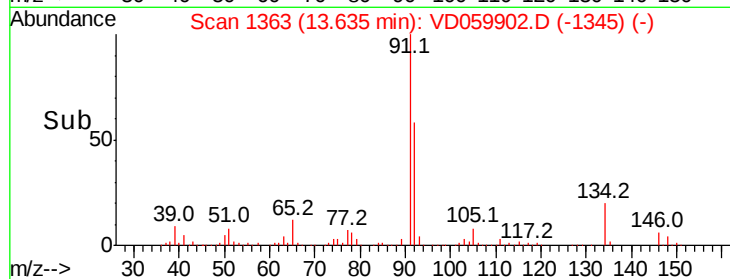
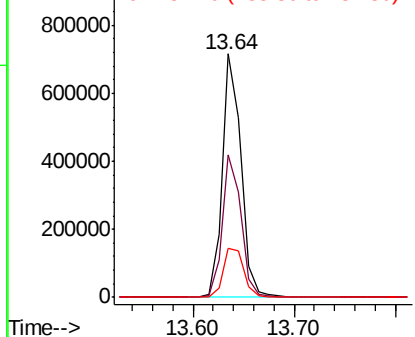
#89
n-Butylbenzene
Concen: 20.895 ug/l
RT: 13.64 min Scan# 1363
Delta R.T. -0.02 min
Lab File: VD059902.D
Acq: 24 Aug 2018 13:01

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion: 91 Resp: 926162
Ion Ratio Lower Upper
91 100
92 58.4 30.0 90.1
134 20.2 12.8 38.4

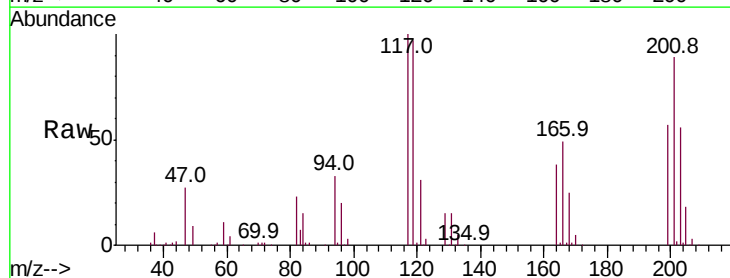


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 92.00 (91.70 to 92.70): V
Ion 134.10 (133.80 to 134.80): V

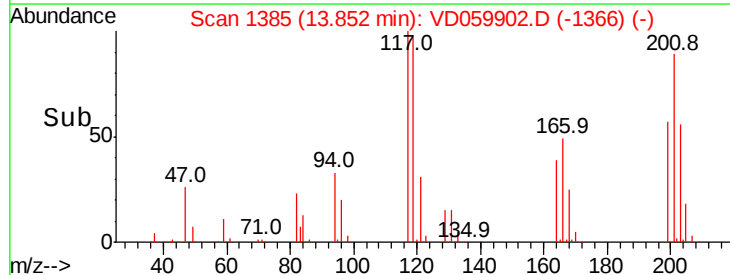
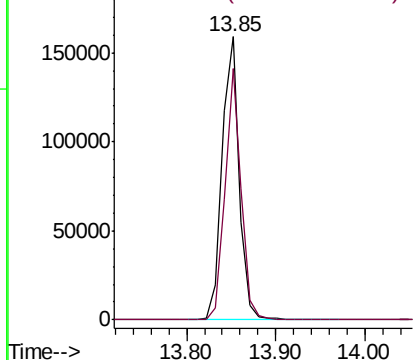


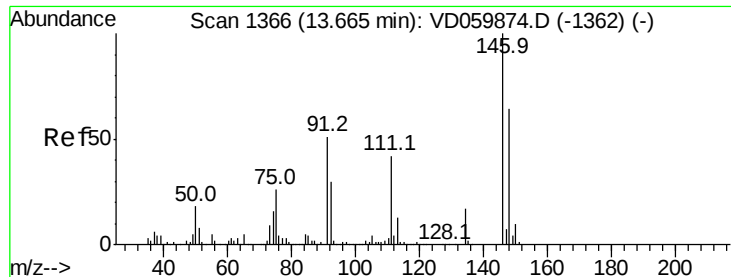
#90
Hexachloroethane
Concen: 19.537 ug/l
RT: 13.85 min Scan# 1385
Delta R.T. -0.01 min
Lab File: VD059902.D
Acq: 24 Aug 2018 13:01

Tgt Ion: 117 Resp: 215803
Ion Ratio Lower Upper
117 100
201 89.0 38.1 114.5



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





#91

1,2-Dichlorobenzene

Concen: 21.981 ug/l

RT: 13.65 min Scan# 1365

Delta R.T. -0.01 min

Lab File: VD059902.D

Acq: 24 Aug 2018 13:01

Instrument :

MSVOA_D

ClientSampleId :

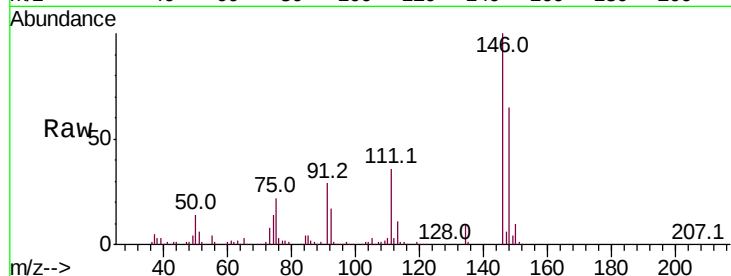
Tot Ion:146 Resp: 439372

Ion Ratio Lower Upper

146 100

111 35.6 21.1 63.1

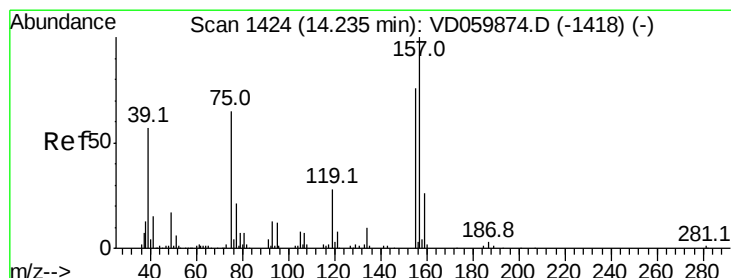
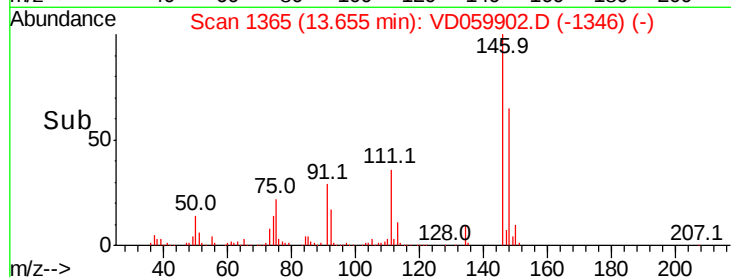
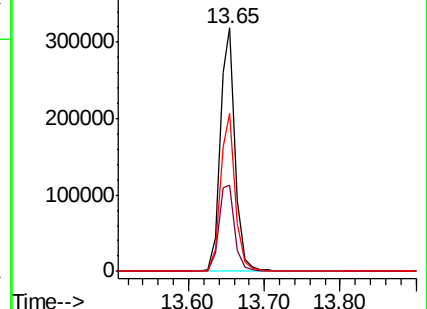
148 65.0 32.2 96.6



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.017 ug/l

RT: 14.22 min Scan# 1422

Delta R.T. -0.02 min

Lab File: VD059902.D

Acq: 24 Aug 2018 13:01

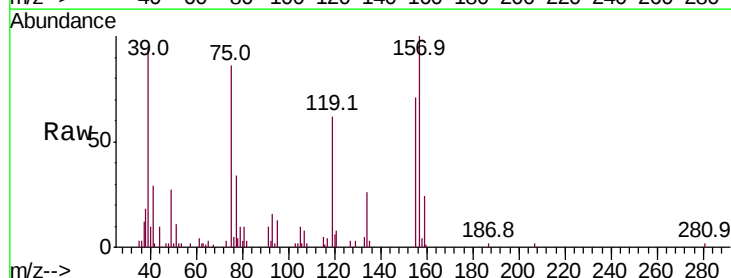
Tgt Ion: 75 Resp: 30431

Ion Ratio Lower Upper

75 100

155 82.4 58.2 174.6

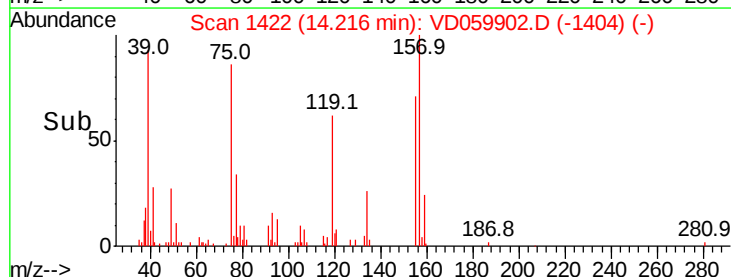
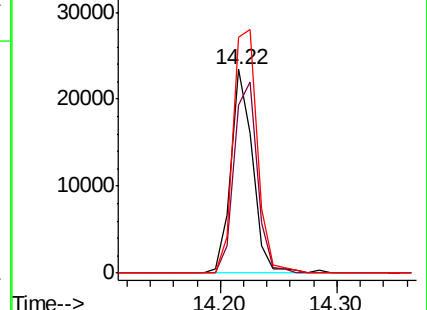
157 115.9 76.8 230.4

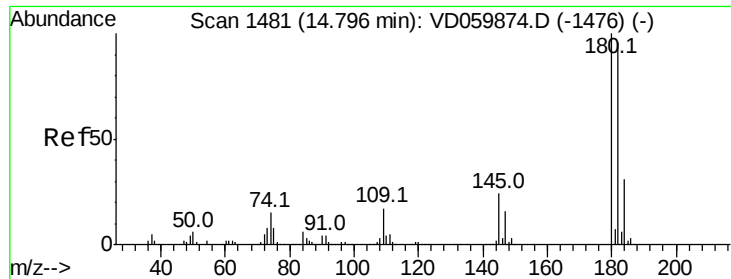


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

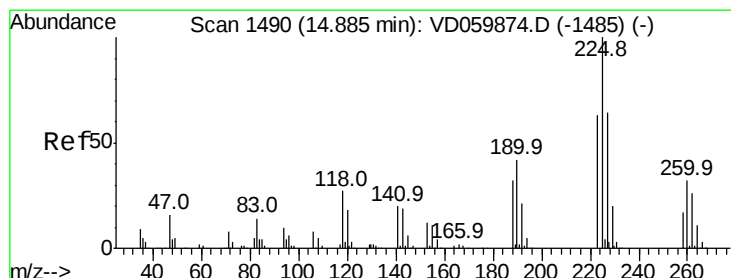
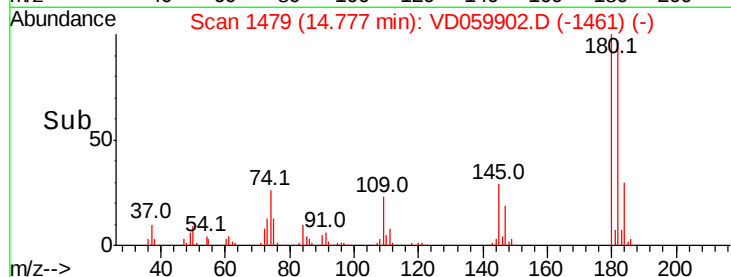
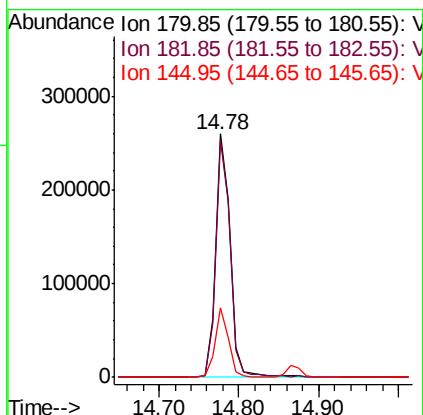
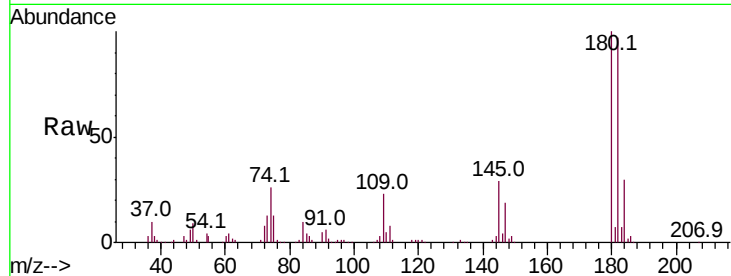




#93
 1,2,4-Trichlorobenzene
 Concen: 19.737 ug/l
 RT: 14.78 min Scan# 1479
 Delta R.T. -0.02 min
 Lab File: VD059902.D
 Acq: 24 Aug 2018 13:01

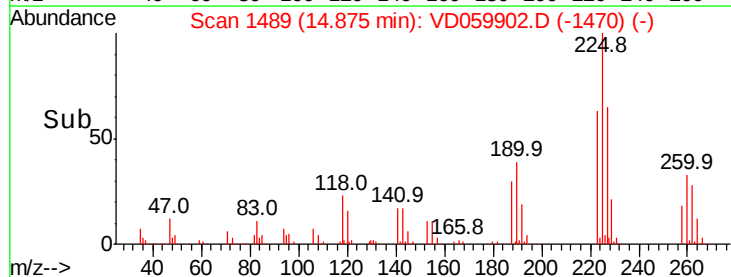
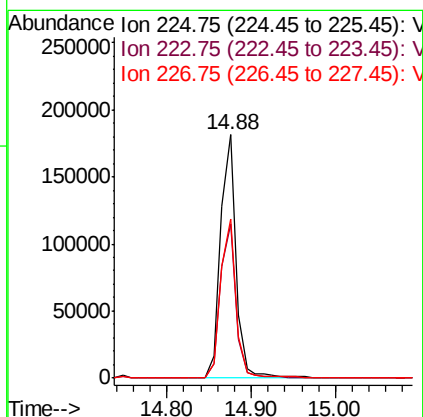
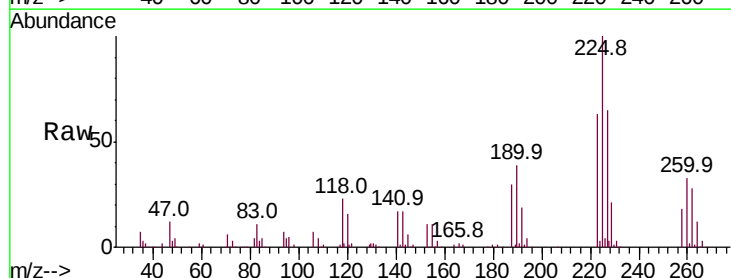
Instrument :
 MSVOA_D
 ClientSampleId :

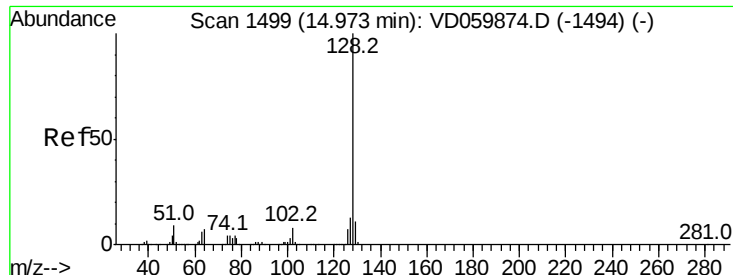
Tot Ion	Ratio	Lower	Upper
180	100		
182	97.4	47.9	143.7
145	28.6	12.2	36.4



#94
 Hexachlorobutadiene
 Concen: 20.852 ug/l
 RT: 14.88 min Scan# 1489
 Delta R.T. -0.01 min
 Lab File: VD059902.D
 Acq: 24 Aug 2018 13:01

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	31.6	94.8
227	65.4	32.0	96.0

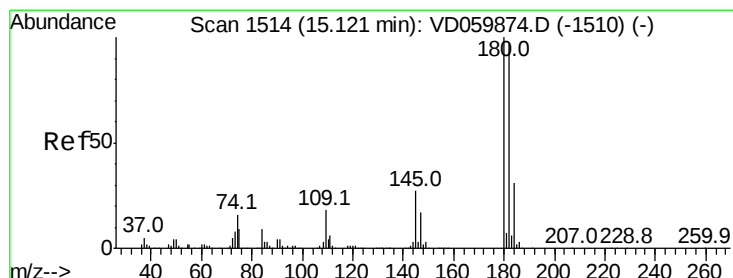
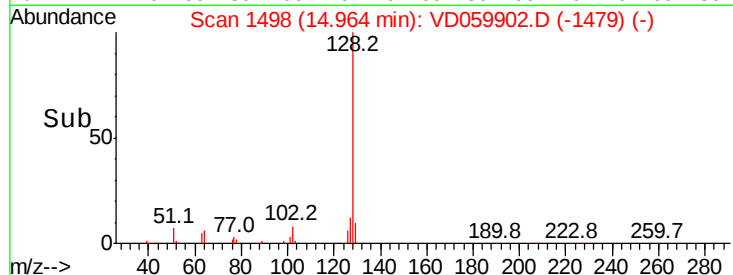
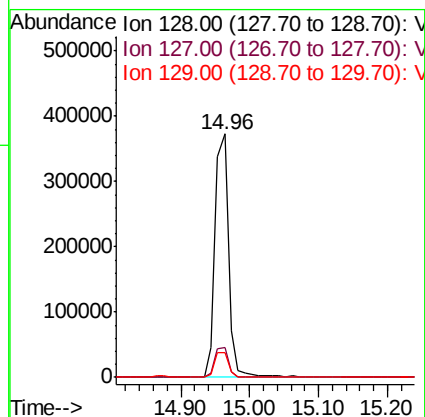
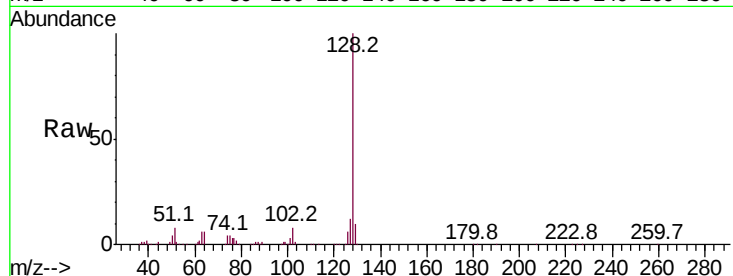




#95
Naphthalene
Concen: 19.594 ug/l
RT: 14.96 min Scan# 1498
Delta R.T. -0.01 min
Lab File: VD059902.D
Acq: 24 Aug 2018 13:01

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.0	15.0
129	10.4	8.6	13.0



#96
1,2,3-Trichlorobenzene
Concen: 19.739 ug/l
RT: 15.10 min Scan# 1512
Delta R.T. -0.02 min
Lab File: VD059902.D
Acq: 24 Aug 2018 13:01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	48.6	145.8
145	32.7	13.6	40.8

