

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082318\
 Data File : VD059883.D
 Acq On : 23 Aug 2018 12:49
 Operator : JC/SY
 Sample : VD0823SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0823SBS01

Quant Time: Aug 23 14:41:52 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	6.39	168	1180372	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.44	114	1616761	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.28	117	1337444	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	704708	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.78	65	509194	51.18	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	102.36%	
35) Dibromofluoromethane	6.31	113	655913	51.75	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	103.50%	
50) Toluene-d8	9.45	98	1839335	52.29	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	104.58%	
62) 4-Bromofluorobenzene	12.42	95	731910	51.23	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.46%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	198627	18.825	ug/l	98
3) Chloromethane	1.75	50	188062	19.675	ug/l	98
4) Vinyl Chloride	1.84	62	149156	19.901	ug/l	98
5) Bromomethane	2.12	94	13091	10.117	ug/l	89
6) Chloroethane	2.23	64	34583	12.677	ug/l	95
7) Trichlorofluoromethane	2.49	101	166942	19.254	ug/l	97
8) Diethyl Ether	2.81	74	35460	18.229	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.08	101	118191	22.258	ug/l	98
10) Methyl Iodide	3.22	142	89022	18.112	ug/l	97
11) Tert butyl alcohol	3.96	59	76561	100.856	ug/l	97
12) 1,1-Dichloroethene	3.06	96	88746	21.468	ug/l	95
13) Acrolein	2.97	56	26252	79.734	ug/l	96
14) Allyl chloride	3.52	41	192461	20.580	ug/l	97
15) Acrylonitrile	4.07	53	287164	101.018	ug/l	99
16) Acetone	3.14	43	169531	93.532	ug/l	98
17) Carbon Disulfide	3.29	76	219880	17.136	ug/l	99
18) Methyl Acetate	3.54	43	65084	17.201	ug/l	99
19) Methyl tert-butyl Ether	4.11	73	457031	19.544	ug/l	98
20) Methylene Chloride	3.70	84	265551	19.695	ug/l	94
21) trans-1,2-Dichloroethene	4.08	96	213621	18.756	ug/l	99
22) Diisopropyl ether	4.84	45	985325	20.659	ug/l	97
23) Vinyl Acetate	4.79	43	2808519	105.338	ug/l	100
24) 1,1-Dichloroethane	4.74	63	413322	20.060	ug/l	99
25) 2-Butanone	5.61	43	465267	86.671	ug/l	100
26) 2,2-Dichloropropane	5.58	77	351916	20.431	ug/l	97
27) cis-1,2-Dichloroethene	5.58	96	251979	20.206	ug/l	97
28) Bromochloromethane	5.91	49	207827	21.045	ug/l	95
29) Tetrahydrofuran	5.94	42	255369	99.923	ug/l	99
30) Chloroform	6.09	83	436660	20.853	ug/l	96
31) Cyclohexane	6.35	56	343593	18.139	ug/l	98
32) 1,1,1-Trichloroethane	6.28	97	359878	20.249	ug/l	99
36) 1,1-Dichloropropene	6.51	75	299275	20.420	ug/l	97
37) Ethyl Acetate	5.68	43	227894	19.982	ug/l	99
38) Carbon Tetrachloride	6.48	117	304554	20.591	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.04	83	304133	19.207	ug/l	100
40) Benzene	6.79	78	755466	19.824	ug/l	99
41) Methacrylonitrile	5.94	41	259723	45.209	ug/l #	80
42) 1,2-Dichloroethane	6.88	62	254055	20.767	ug/l	98
43) Isopropyl Acetate	8.34	43	300082	20.225	ug/l	96
44) Trichloroethene	7.73	130	225994	20.141	ug/l	93
45) 1,2-Dichloropropane	8.09	63	217195	20.390	ug/l	98
46) Dibromomethane	8.21	93	137636	20.095	ug/l	97
47) Bromodichloromethane	8.49	83	322428	20.795	ug/l	99
48) Methyl methacrylate	8.24	41	168757	19.512	ug/l	97
49) 1,4-Dioxane	8.22	88	30506	395.065	ug/l	95
51) 4-Methyl-2-Pentanone	9.33	43	989662	89.470	ug/l	96
52) Toluene	9.54	92	498189	20.387	ug/l	99
53) t-1,3-Dichloropropene	9.92	75	300206	20.933	ug/l	100
54) cis-1,3-Dichloropropene	9.10	75	339831	20.437	ug/l	99
55) 1,1,2-Trichloroethane	10.18	97	174176	19.499	ug/l	96
56) Ethyl methacrylate	10.02	69	202758	19.668	ug/l	93
57) 1,3-Dichloropropane	10.38	76	271508	21.001	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.92	63	553330	111.889	ug/l	99
59) 2-Hexanone	10.49	43	770063	94.386	ug/l	96
60) Dibromochloromethane	10.63	129	225036	20.044	ug/l	100
61) 1,2-Dibromoethane	10.75	107	179175	19.838	ug/l	100
64) Tetrachloroethene	10.25	164	207291	20.045	ug/l	98
65) Chlorobenzene	11.31	112	548910	20.653	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.42	131	211391	21.771	ug/l	97
67) Ethyl Benzene	11.42	91	968244	21.655	ug/l	98
68) m/p-Xylenes	11.56	106	726113	44.603	ug/l	96
69) o-Xylene	11.93	106	338351	21.250	ug/l	97
70) Styrene	11.95	104	590548	21.420	ug/l	98
71) Bromoform	12.11	173	168851	20.098	ug/l	98
73) Isopropylbenzene	12.28	105	933485	20.751	ug/l	99
74) N-amyl acetate	12.13	43	402650	20.442	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.56	83	213164	20.486	ug/l	99
76) 1,2,3-Trichloropropane	12.59	75	233231	21.294	ug/l	100
77) Bromobenzene	12.54	156	259095	20.774	ug/l	82
78) n-propylbenzene	12.63	91	1270905	22.311	ug/l	96
79) 2-Chlorotoluene	12.70	91	702175	21.797	ug/l	96
80) 1,3,5-Trimethylbenzene	12.79	105	780352	21.819	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.34	75	67820	19.906	ug/l	97
82) 4-Chlorotoluene	12.81	91	790102	21.503	ug/l	97
83) tert-Butylbenzene	13.04	119	870478	21.366	ug/l	96
84) 1,2,4-Trimethylbenzene	13.09	105	785526	21.072	ug/l	97
85) sec-Butylbenzene	13.22	105	1024317	21.380	ug/l	99
86) p-Isopropyltoluene	13.34	119	841310	21.591	ug/l	97
87) 1,3-Dichlorobenzene	13.31	146	469478	21.084	ug/l	99
88) 1,4-Dichlorobenzene	13.39	146	469987	21.156	ug/l	99
89) n-Butylbenzene	13.64	91	871352	20.737	ug/l	97
90) Hexachloroethane	13.85	117	212012	20.264	ug/l	87
91) 1,2-Dichlorobenzene	13.65	146	410594	21.686	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.23	75	33117	20.701	ug/l	80

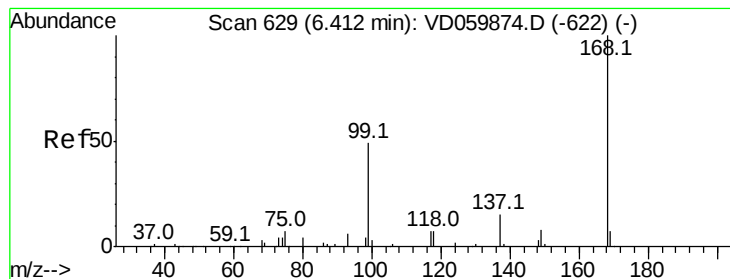
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD082318\
Data File : VD059883.D
Acq On : 23 Aug 2018 12:49
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Sample : VD0823SBS01
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D082218S.M
Quant Title : SW846 8260
QLast Update : Thu Aug 23 03:03:08 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	326665	20.151	ug/l	98
94) Hexachlorobutadiene	14.88	225	224170	21.095	ug/l	99
95) Naphthalene	14.96	128	496784	20.053	ug/l	100
96) 1,2,3-Trichlorobenzene	15.11	180	282557	20.380	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.39 min Scan# 627

Delta R.T. -0.02 min

Lab File: VD059883.D

Acq: 23 Aug 2018 12:49

Instrument :

MSVOA_D

ClientSampleId :

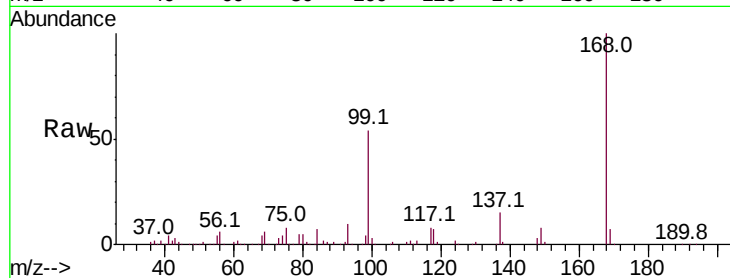
VD0823SBS01

Tot Ion:168 Resp: 1180372

Ion Ratio Lower Upper

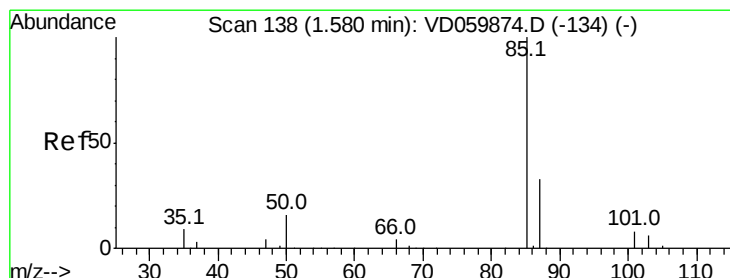
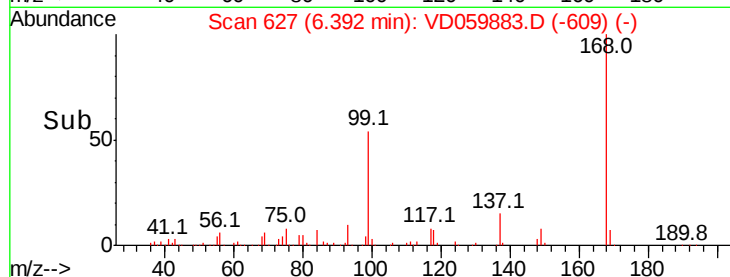
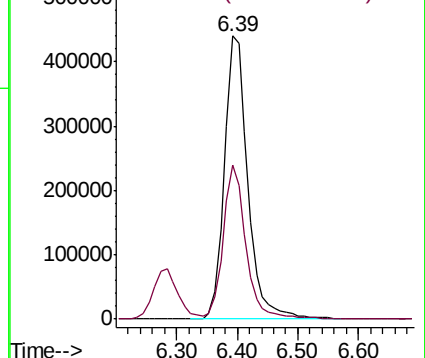
168 100

99 54.4 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 18.825 ug/l

RT: 1.58 min Scan# 138

Delta R.T. 0.00 min

Lab File: VD059883.D

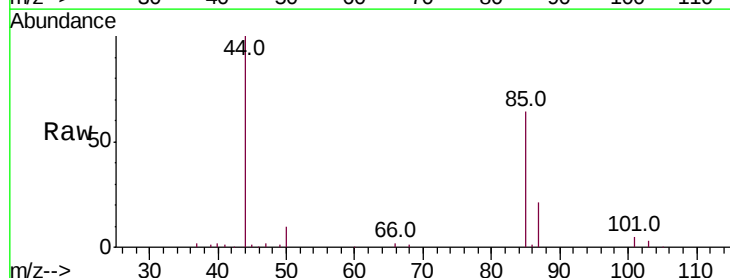
Acq: 23 Aug 2018 12:49

Tgt Ion: 85 Resp: 198627

Ion Ratio Lower Upper

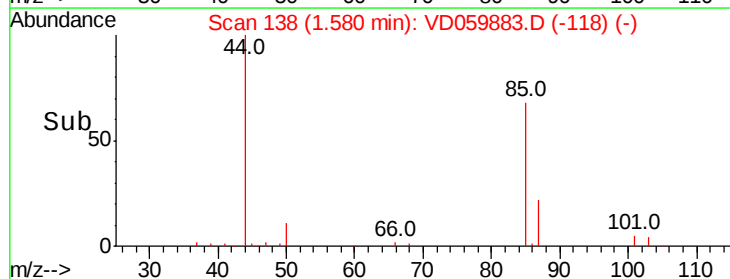
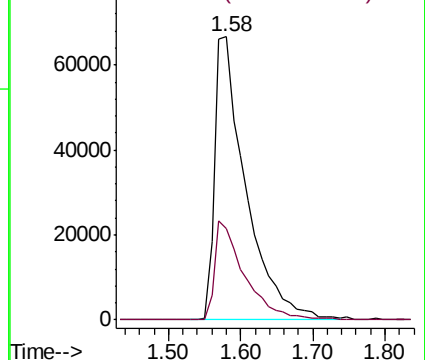
85 100

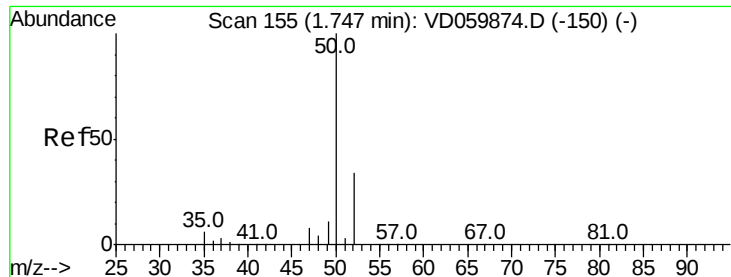
87 32.4 16.8 50.3



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 19.675 ug/l

RT: 1.75 min Scan# 155

Delta R.T. 0.00 min

Lab File: VD059883.D

Acq: 23 Aug 2018 12:49

Instrument :

MSVOA_D

ClientSampleId :

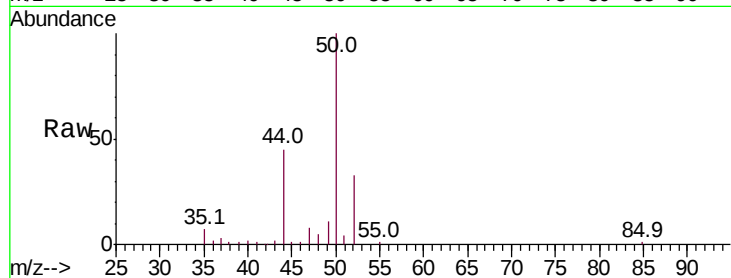
VD0823SBS01

Tot Ion: 50 Resp: 188062

Ion Ratio Lower Upper

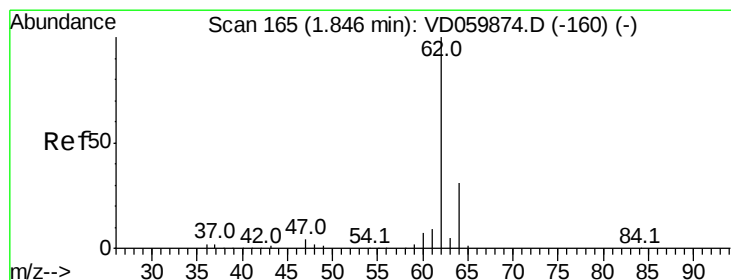
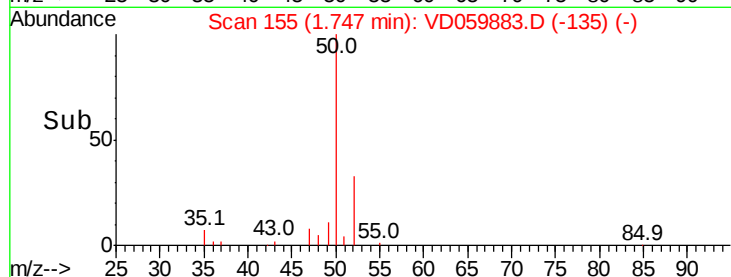
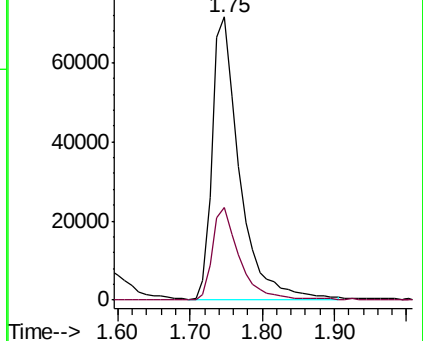
50 100

52 32.6 27.0 40.6



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 19.901 ug/l

RT: 1.84 min Scan# 164

Delta R.T. -0.01 min

Lab File: VD059883.D

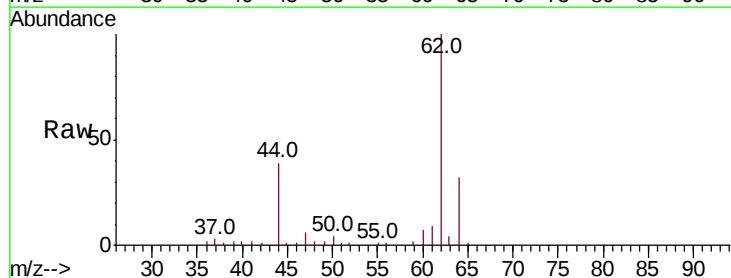
Acq: 23 Aug 2018 12:49

Tgt Ion: 62 Resp: 149156

Ion Ratio Lower Upper

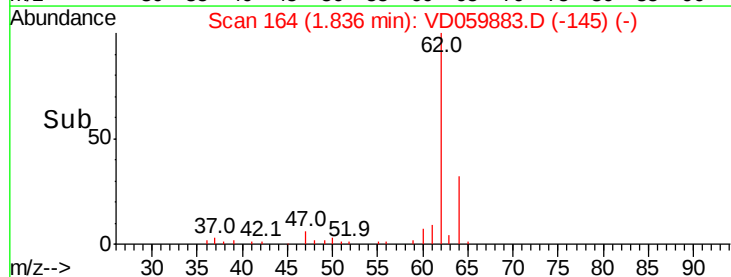
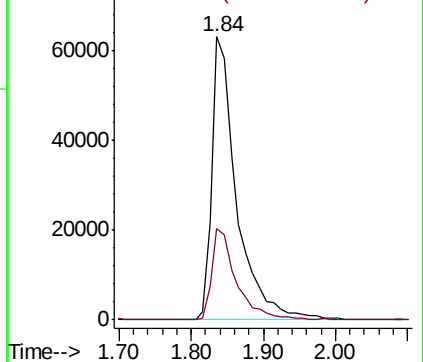
62 100

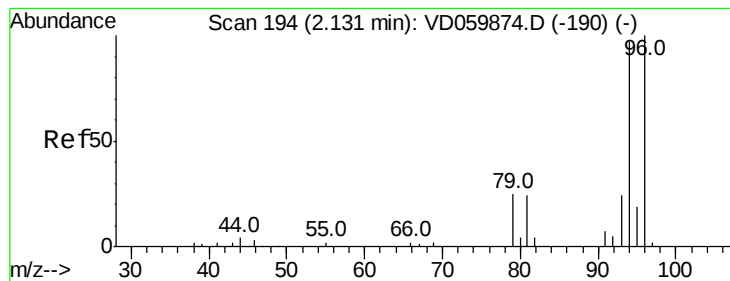
64 32.3 25.0 37.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 10.117 ug/l

RT: 2.12 min Scan# 193

Delta R.T. -0.01 min

Lab File: VD059883.D

Acq: 23 Aug 2018 12:49

Instrument :

MSVOA_D

ClientSampleId :

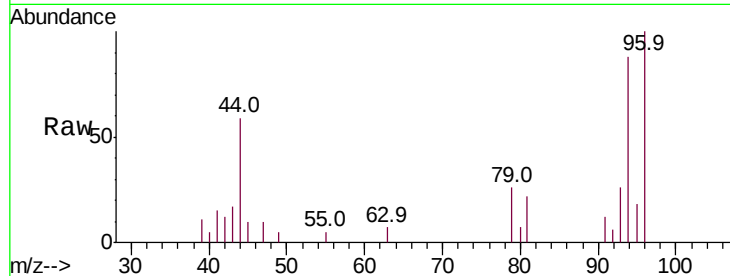
VD0823SBS01

Tot Ion: 94 Resp: 13091

Ion Ratio Lower Upper

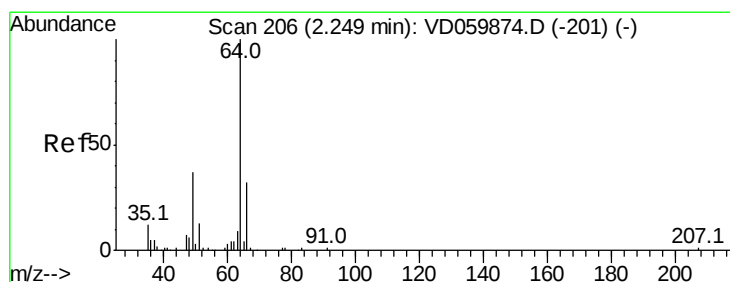
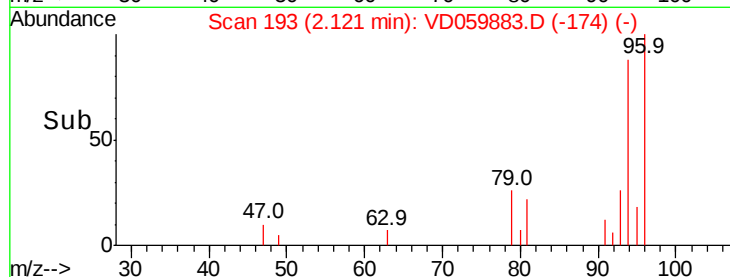
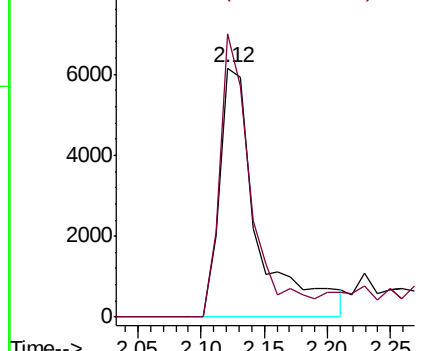
94 100

96 113.8 82.4 123.6



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 12.677 ug/l

RT: 2.23 min Scan# 204

Delta R.T. -0.02 min

Lab File: VD059883.D

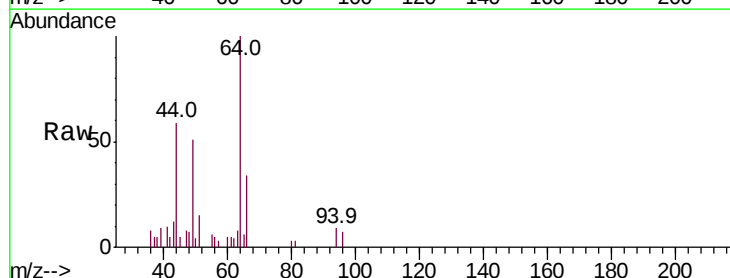
Acq: 23 Aug 2018 12:49

Tgt Ion: 64 Resp: 34583

Ion Ratio Lower Upper

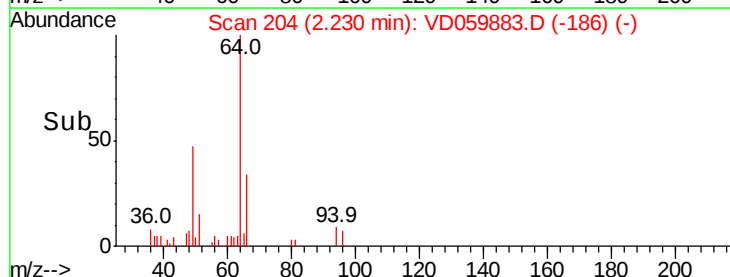
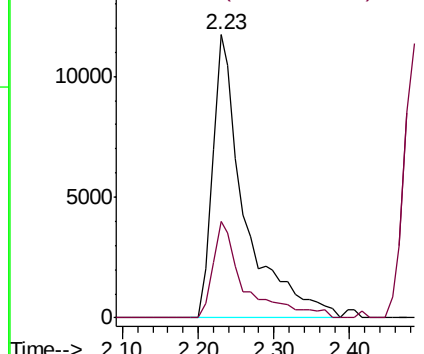
64 100

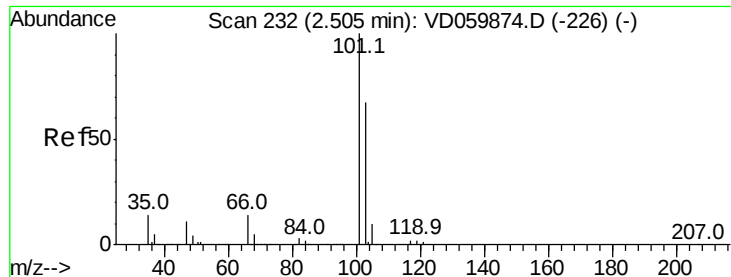
66 34.3 25.3 37.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



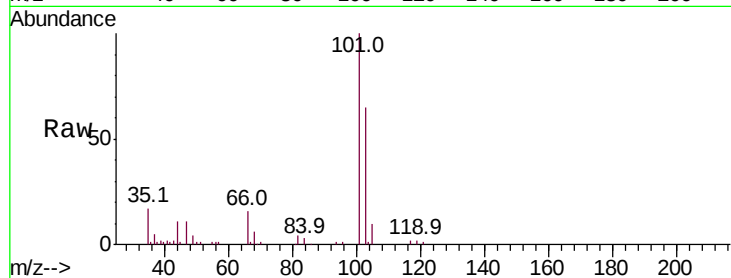


#7

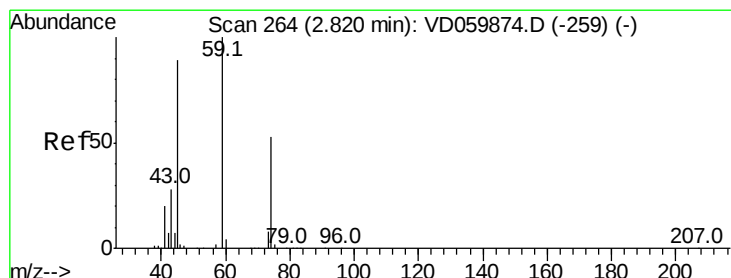
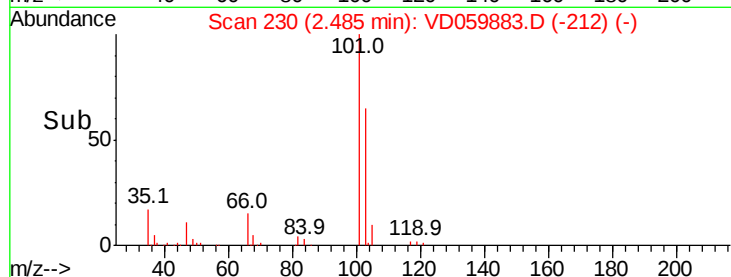
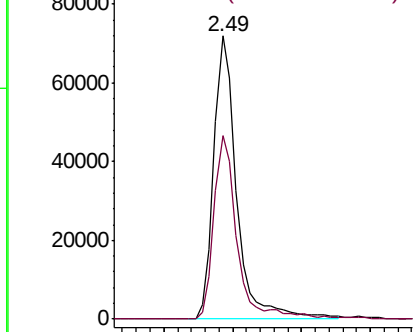
Trichlorofluoromethane
Concen: 19.254 ug/l
RT: 2.49 min Scan# 230
Delta R.T. -0.02 min
Lab File: VD059883.D
Acq: 23 Aug 2018 12:49

Instrument :
MSVOA_D
ClientSampleId :
VD0823SBS01

Tot Ion:101 Resp: 166942
Ion Ratio Lower Upper
101 100
103 65.0 53.7 80.5



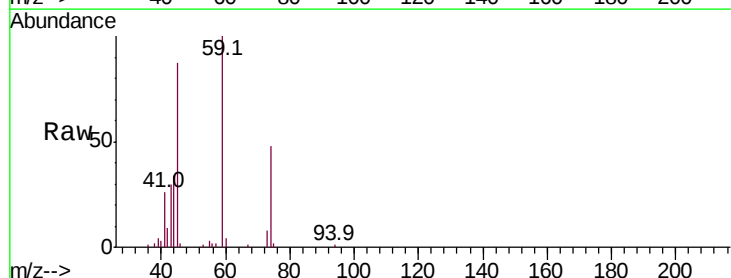
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



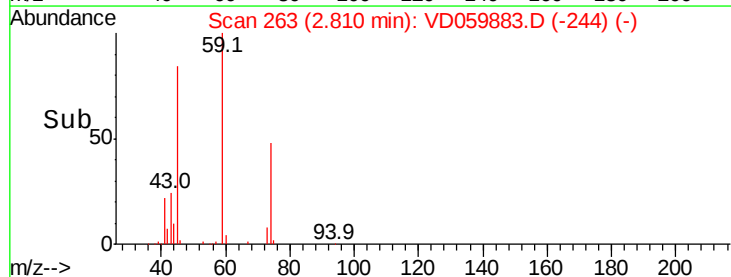
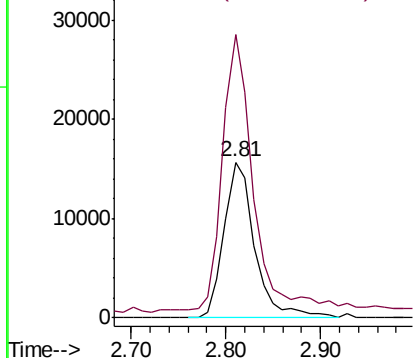
#8

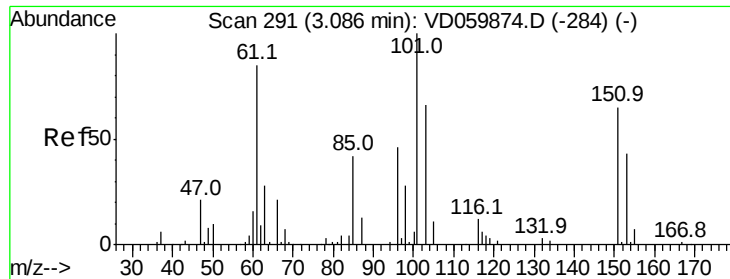
Diethyl Ether
Concen: 18.229 ug/l
RT: 2.81 min Scan# 263
Delta R.T. -0.01 min
Lab File: VD059883.D
Acq: 23 Aug 2018 12:49

Tgt Ion: 74 Resp: 35460
Ion Ratio Lower Upper
74 100
45 182.2 85.7 257.1



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.258 ug/l

RT: 3.08 min Scan# 290

Delta R.T. -0.01 min

Lab File: VD059883.D

Acq: 23 Aug 2018 12:49

Instrument :

MSVOA_D

ClientSampleId :

VD0823SBS01

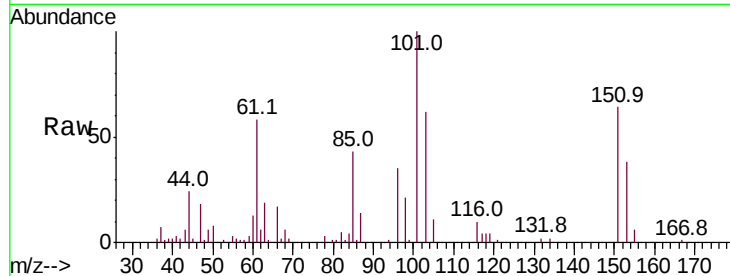
Tot Ion:101 Resp: 118191

Ion Ratio Lower Upper

101 100

85 42.9 33.6 50.4

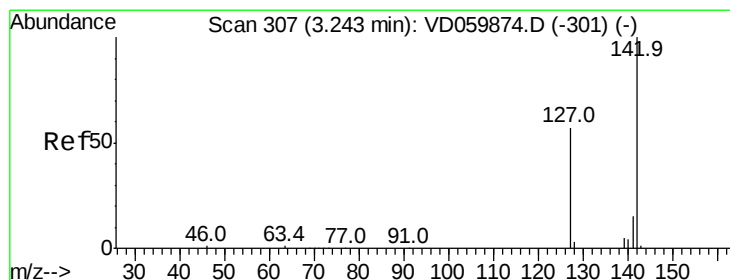
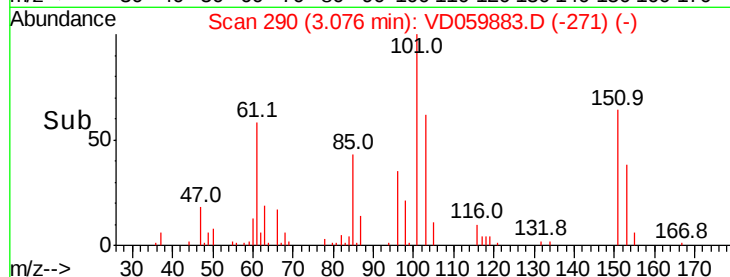
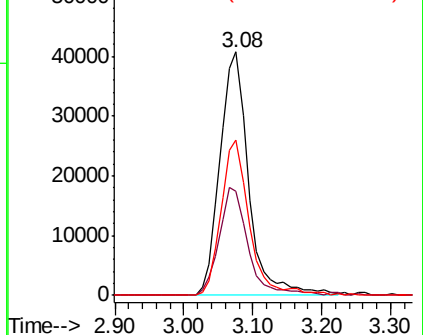
151 63.6 52.0 78.0



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: 18.112 ug/l

RT: 3.22 min Scan# 305

Delta R.T. -0.02 min

Lab File: VD059883.D

Acq: 23 Aug 2018 12:49

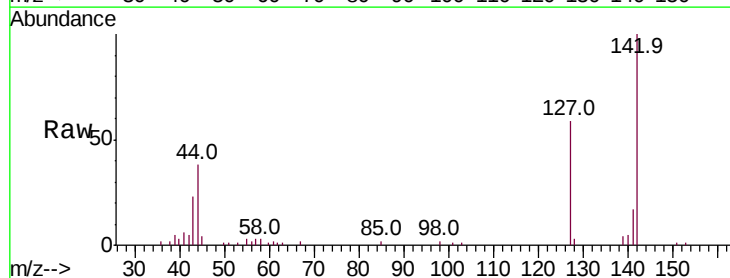
Tgt Ion:142 Resp: 89022

Ion Ratio Lower Upper

142 100

127 58.8 45.8 68.6

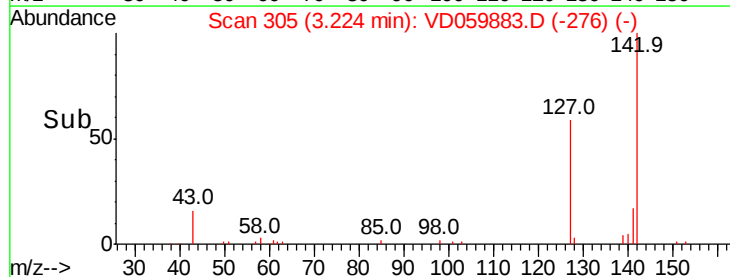
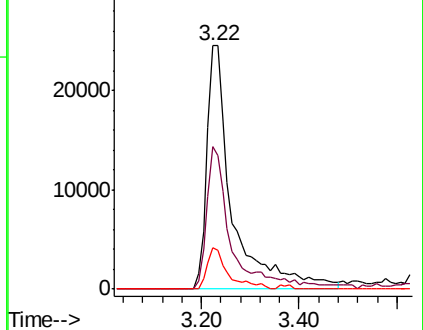
141 17.0 11.6 17.4

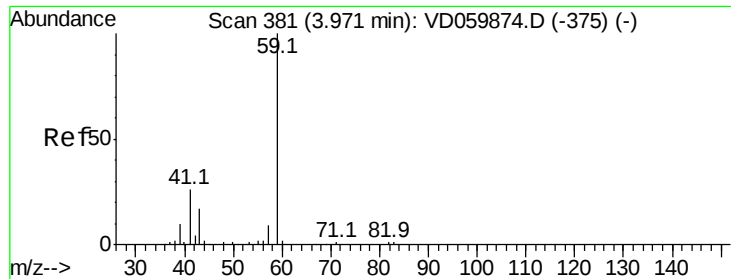


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

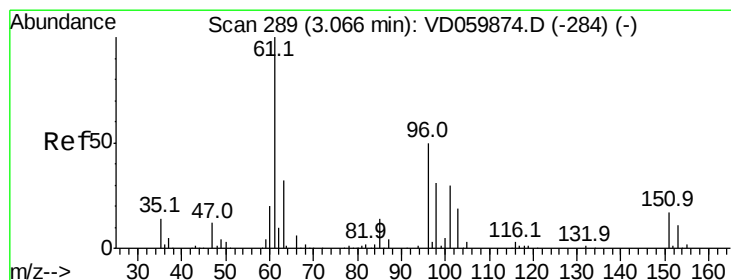
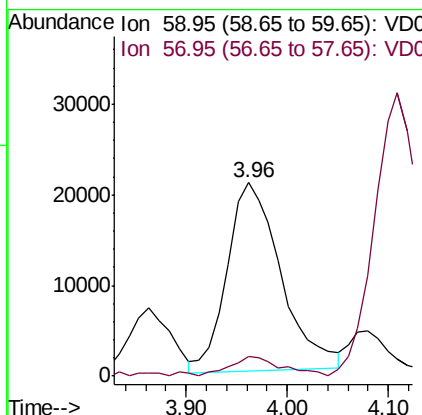
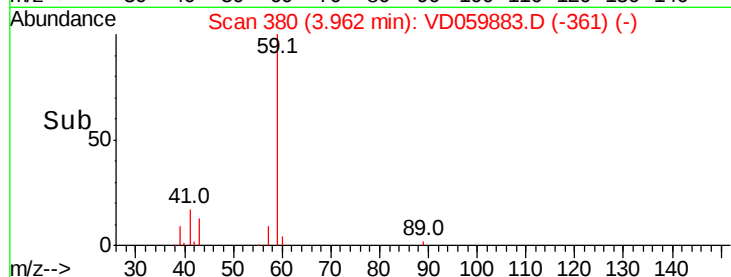
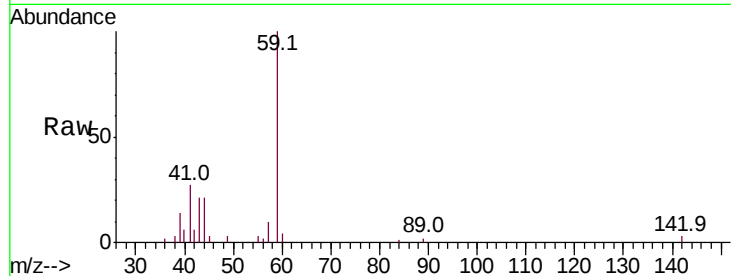




#11
Tert butyl alcohol
Concen: 100.856 ug/l
RT: 3.96 min Scan# 380
Delta R.T. -0.01 min
Lab File: VD059883.D
Acq: 23 Aug 2018 12:49

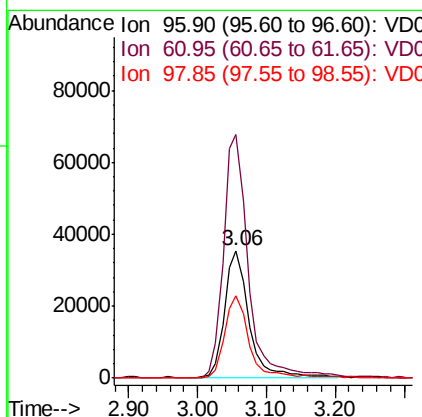
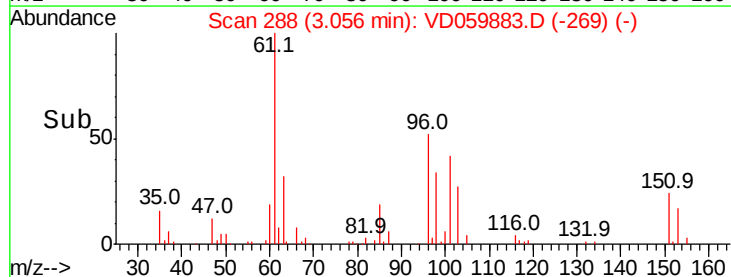
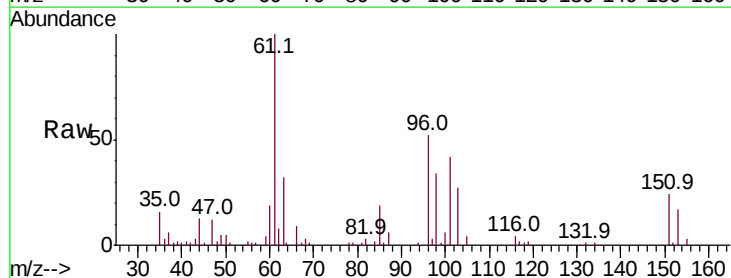
Instrument :
MSVOA_D
ClientSampleId :
VD0823SBS01

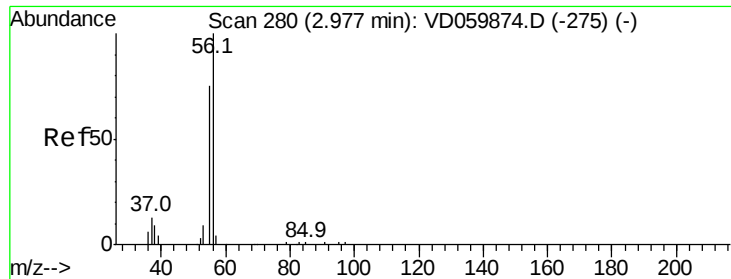
Tot Ion: 59 Resp: 76561
Ion Ratio Lower Upper
59 100
57 10.2 7.4 11.0



#12
1,1-Dichloroethene
Concen: 21.468 ug/l
RT: 3.06 min Scan# 288
Delta R.T. -0.01 min
Lab File: VD059883.D
Acq: 23 Aug 2018 12:49

Tgt Ion: 96 Resp: 88746
Ion Ratio Lower Upper
96 100
61 190.8 158.8 238.2
98 64.3 48.7 73.1





#13

Acrolein

Concen: 79.734 ug/l

RT: 2.97 min Scan# 279

Delta R.T. -0.01 min

Lab File: VD059883.D

Acq: 23 Aug 2018 12:49

Instrument :

MSVOA_D

ClientSampleId :

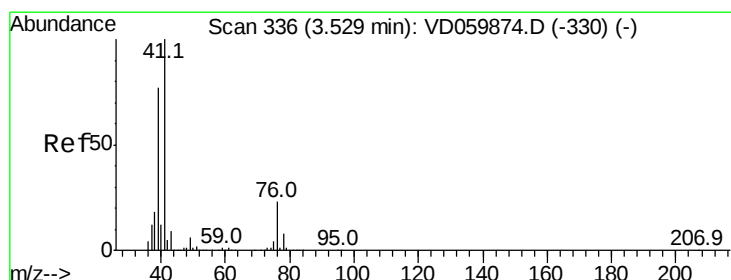
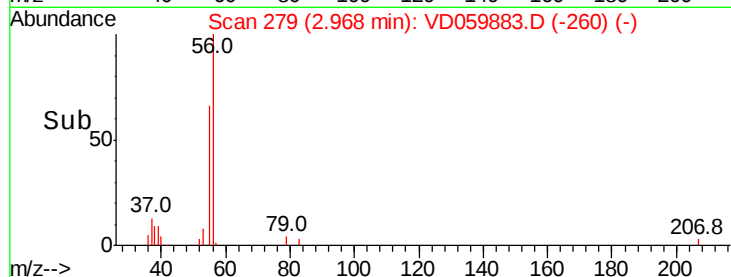
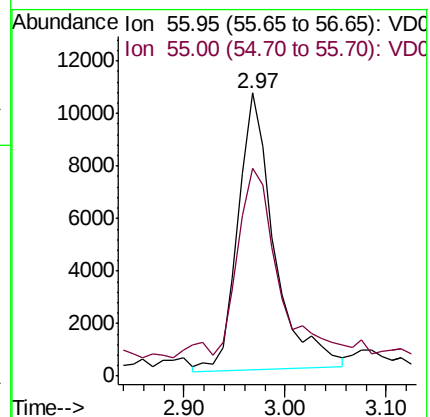
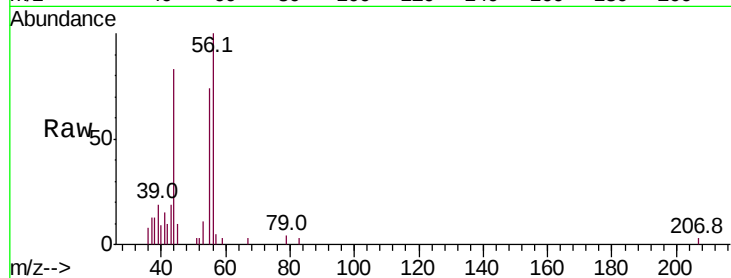
VD0823SBS01

Tot Ion: 56 Resp: 26252

Ion Ratio Lower Upper

56 100

55 73.7 61.9 92.9



#14

Allyl chloride

Concen: 20.580 ug/l

RT: 3.52 min Scan# 335

Delta R.T. -0.01 min

Lab File: VD059883.D

Acq: 23 Aug 2018 12:49

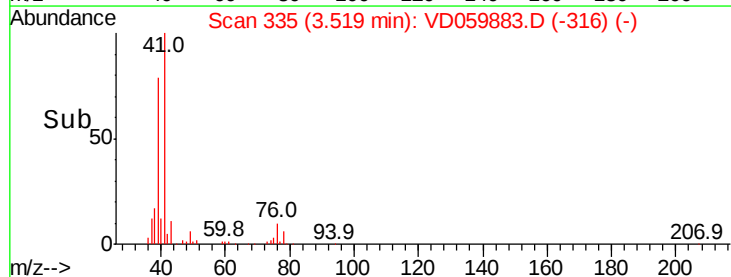
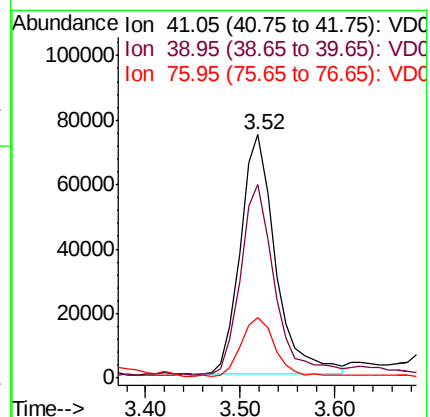
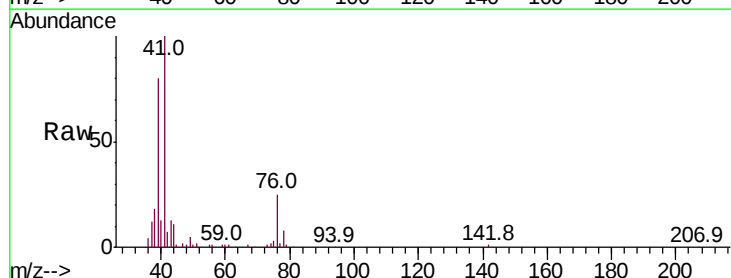
Tgt Ion: 41 Resp: 192461

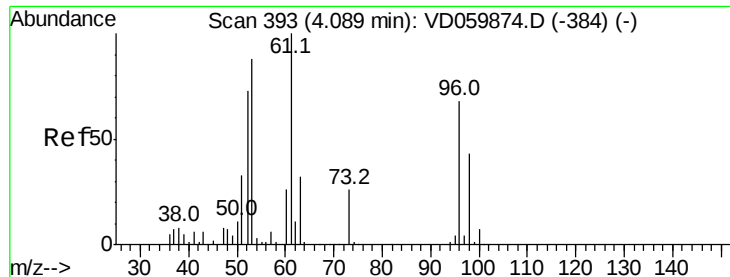
Ion Ratio Lower Upper

41 100

39 79.8 61.8 92.6

76 25.1 19.4 29.2





#15

Acrylonitrile

Concen: 101.018 ug/l

RT: 4.07 min Scan# 391

Delta R.T. -0.02 min

Lab File: VD059883.D

Acq: 23 Aug 2018 12:49

Instrument :

MSVOA_D

ClientSampleId :

VD0823SBS01

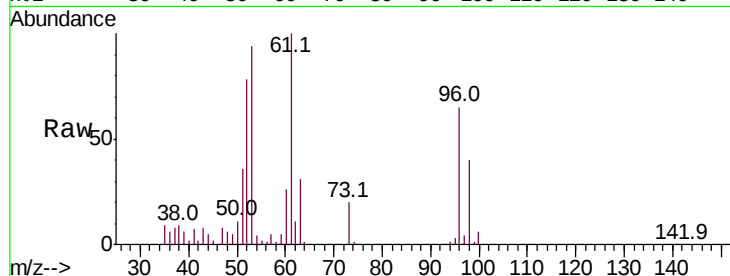
Tot Ion: 53 Resp: 287164

Ion Ratio Lower Upper

53 100

52 82.7 66.9 100.3

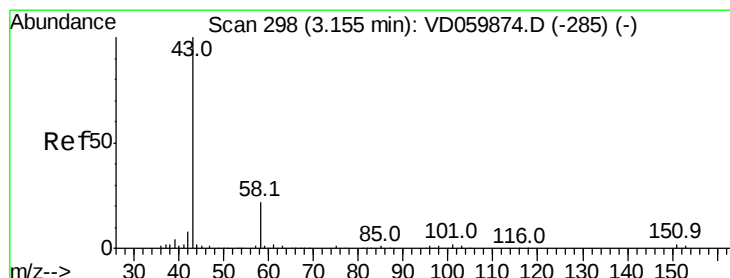
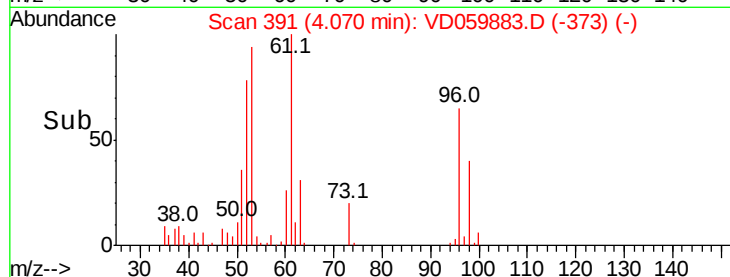
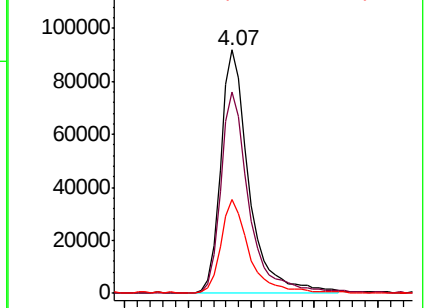
51 38.7 30.3 45.5



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: 93.532 ug/l

RT: 3.14 min Scan# 297

Delta R.T. -0.01 min

Lab File: VD059883.D

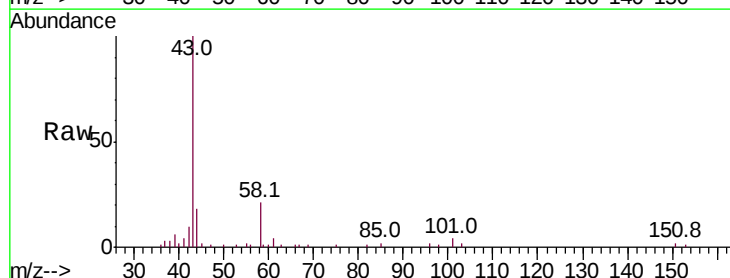
Acq: 23 Aug 2018 12:49

Tgt Ion: 43 Resp: 169531

Ion Ratio Lower Upper

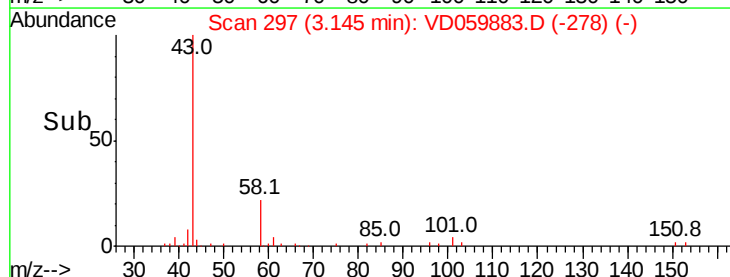
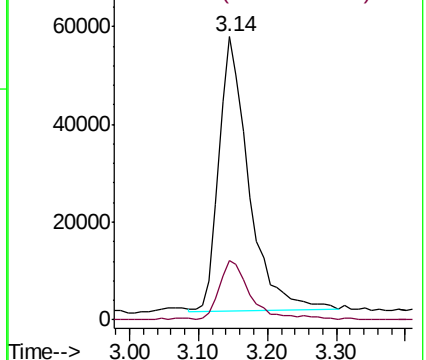
43 100

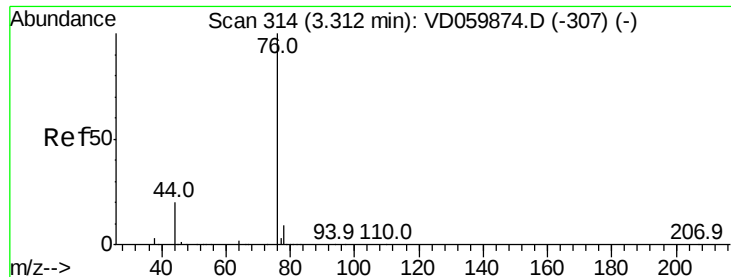
58 20.9 17.6 26.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

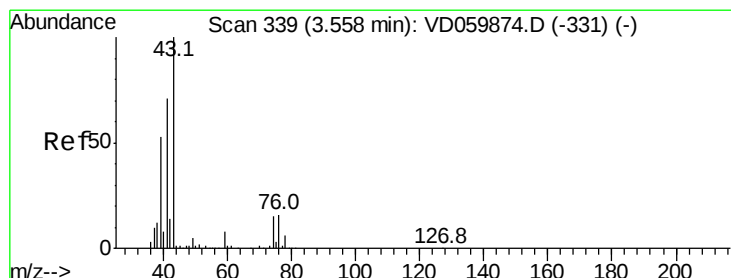
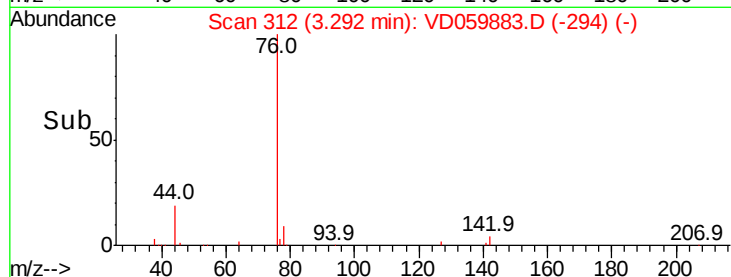
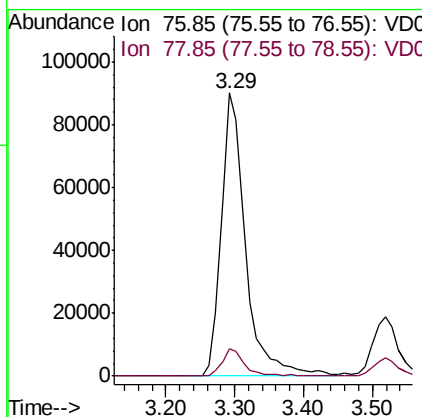
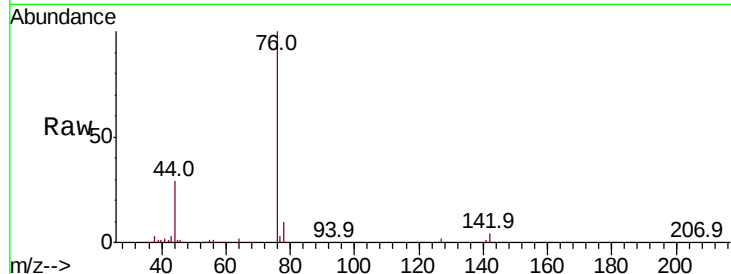




#17
Carbon Disulfide
Concen: 17.136 ug/l
RT: 3.29 min Scan# 312
Delta R.T. -0.02 min
Lab File: VD059883.D
Acq: 23 Aug 2018 12:49

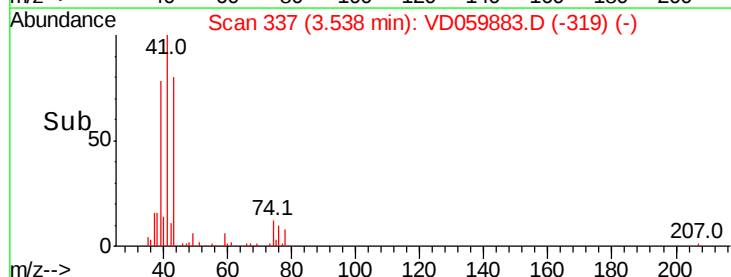
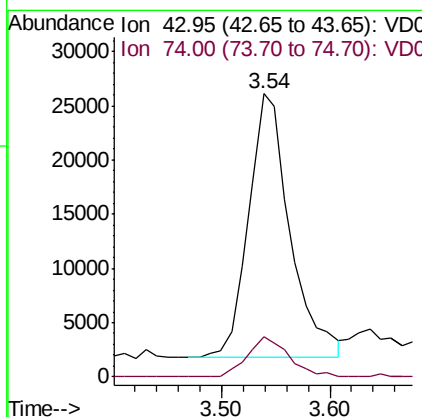
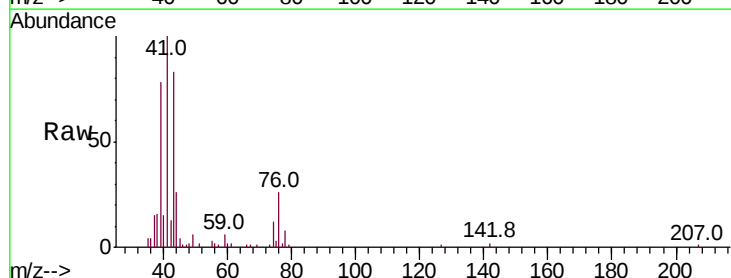
Instrument :
MSVOA_D
ClientSampleId :
VD0823SBS01

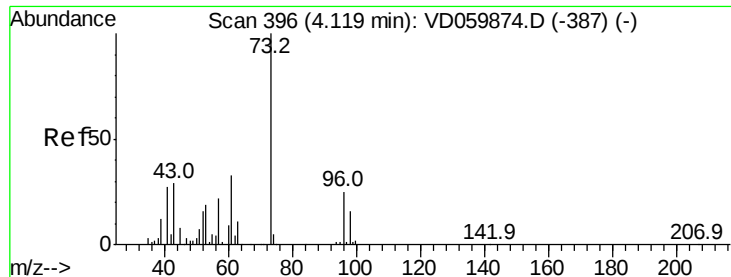
Tot Ion: 76 Resp: 219880
Ion Ratio Lower Upper
76 100
78 9.8 7.4 11.2



#18
Methyl Acetate
Concen: 17.201 ug/l
RT: 3.54 min Scan# 337
Delta R.T. -0.02 min
Lab File: VD059883.D
Acq: 23 Aug 2018 12:49

Tgt Ion: 43 Resp: 65084
Ion Ratio Lower Upper
43 100
74 14.3 11.2 16.8



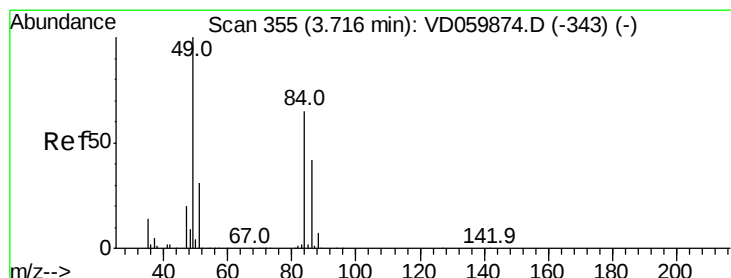
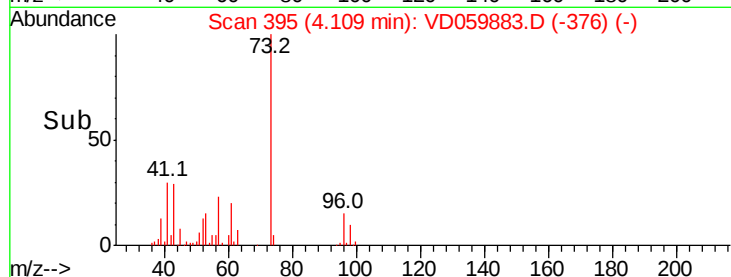
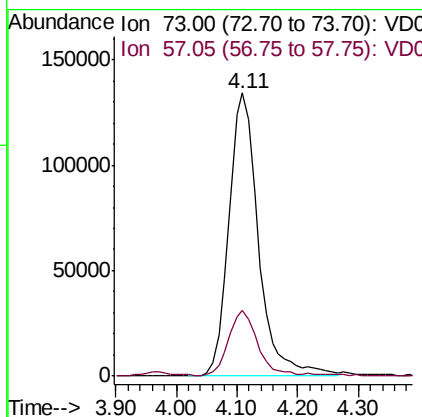
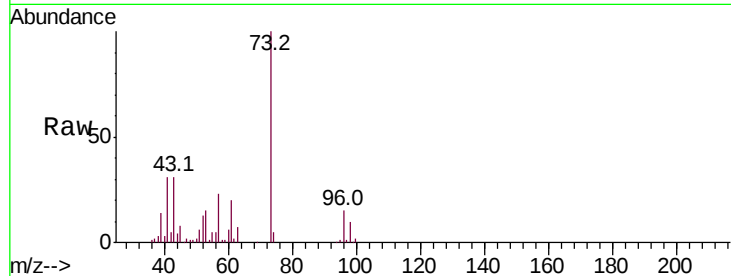


#19

Methyl tert-butyl Ether
 Concen: 19.544 ug/l
 RT: 4.11 min Scan# 395
 Delta R.T. -0.01 min
 Lab File: VD059883.D
 Acq: 23 Aug 2018 12:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0823SBS01

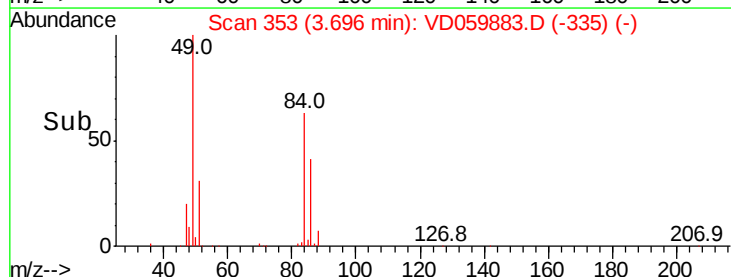
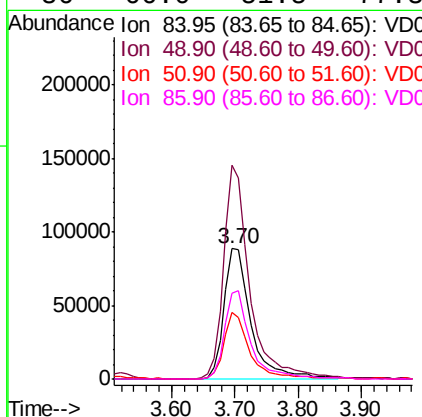
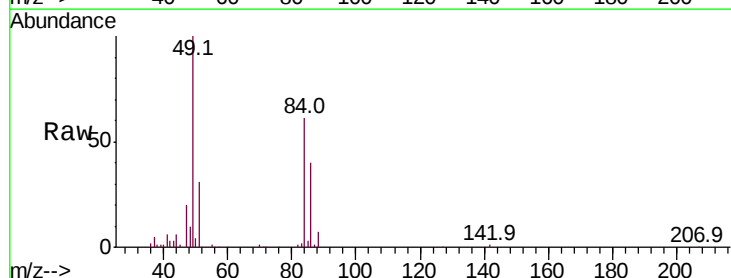
Tot Ion: 73 Resp: 457031
 Ion Ratio Lower Upper
 73 100
 57 23.3 17.9 26.9

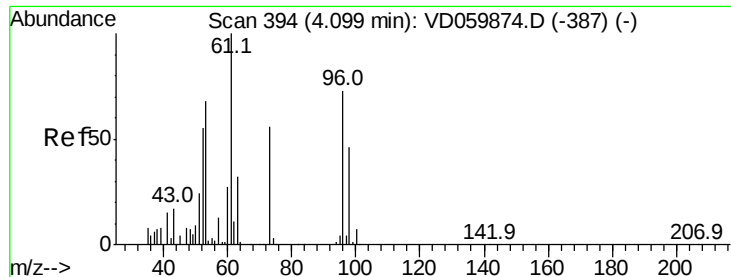


#20

Methylene Chloride
 Concen: 19.695 ug/l
 RT: 3.70 min Scan# 353
 Delta R.T. -0.02 min
 Lab File: VD059883.D
 Acq: 23 Aug 2018 12:49

Tgt Ion: 84 Resp: 265551
 Ion Ratio Lower Upper
 84 100
 49 164.0 122.6 183.8
 51 51.2 38.4 57.6
 86 66.0 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 18.756 ug/l

RT: 4.08 min Scan# 392

Delta R.T. -0.02 min

Lab File: VD059883.D

Acq: 23 Aug 2018 12:49

Instrument :

MSVOA_D

ClientSampleId :

VD0823SBS01

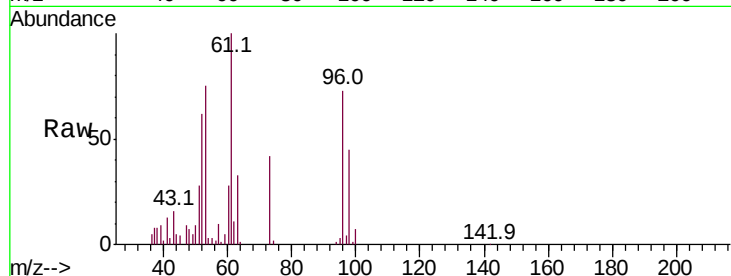
Tot Ion: 96 Resp: 213621

Ion Ratio Lower Upper

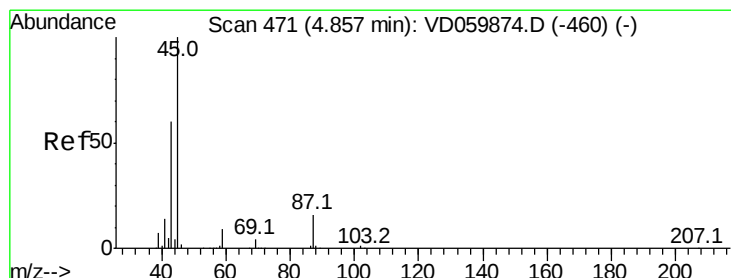
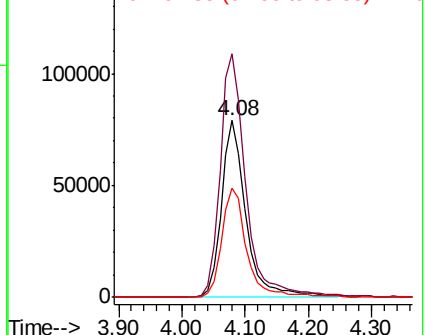
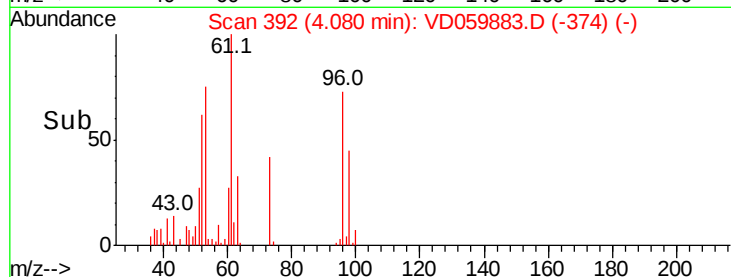
96 100

61 137.9 110.2 165.4

98 62.0 50.9 76.3



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



#22

Diisopropyl ether

Concen: 20.659 ug/l

RT: 4.84 min Scan# 469

Delta R.T. -0.02 min

Lab File: VD059883.D

Acq: 23 Aug 2018 12:49

Tgt Ion: 45 Resp: 985325

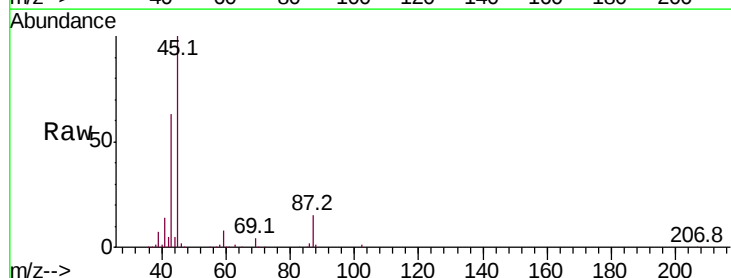
Ion Ratio Lower Upper

45 100

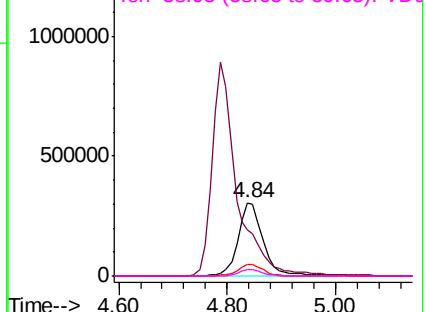
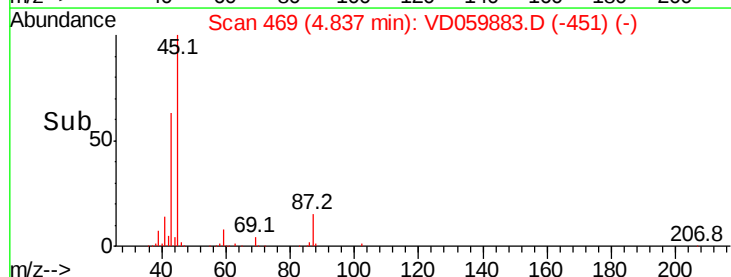
43 63.0 48.6 72.8

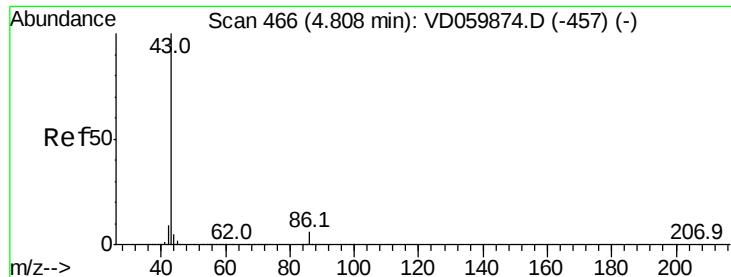
87 15.2 13.3 19.9

59 8.4 7.1 10.7



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





#23

Vinyl Acetate

Concen: 105.338 ug/l

RT: 4.79 min Scan# 464

Delta R.T. -0.02 min

Lab File: VD059883.D

Acq: 23 Aug 2018 12:49

Instrument :

MSVOA_D

ClientSampleId :

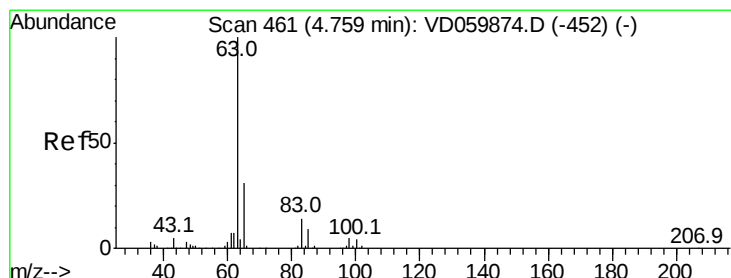
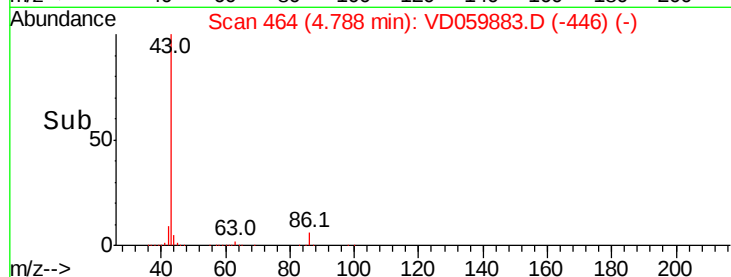
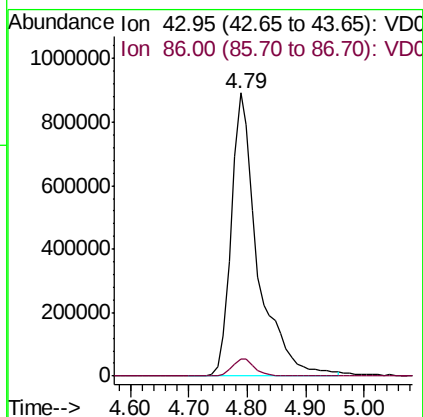
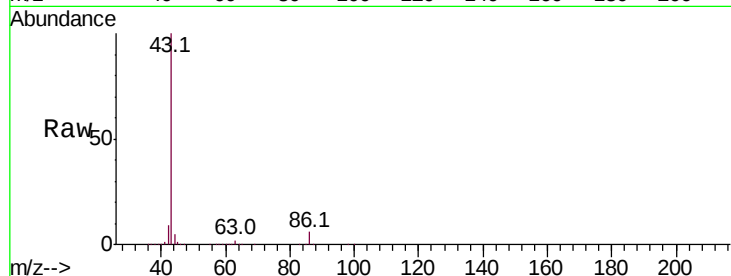
VD0823SBS01

Tot Ion: 43 Resp: 2808519

Ion Ratio Lower Upper

43 100

86 6.2 5.0 7.6



#24

1,1-Dichloroethane

Concen: 20.060 ug/l

RT: 4.74 min Scan# 459

Delta R.T. -0.02 min

Lab File: VD059883.D

Acq: 23 Aug 2018 12:49

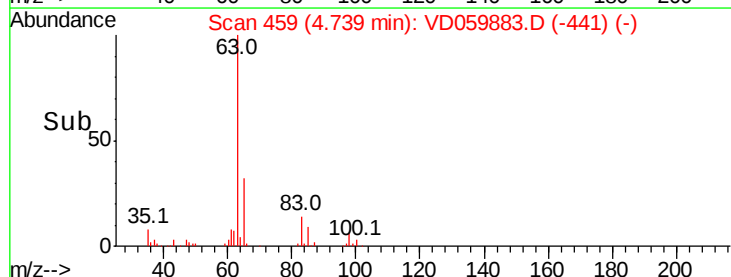
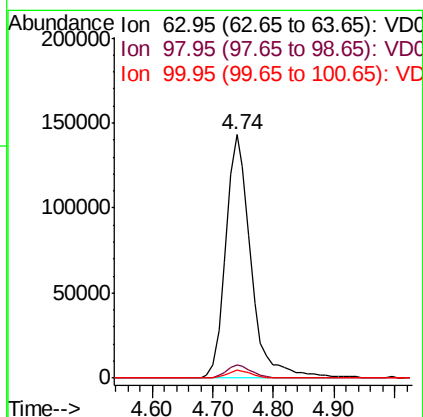
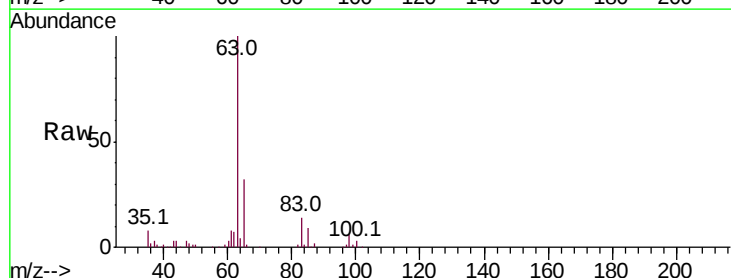
Tgt Ion: 63 Resp: 413322

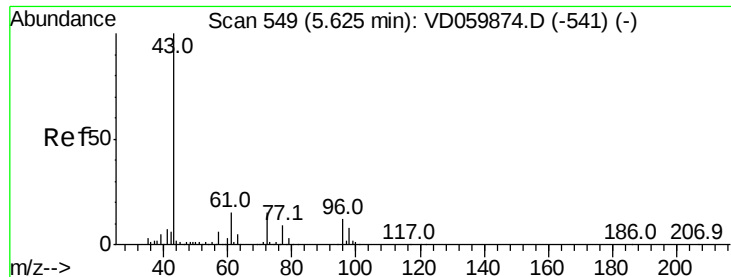
Ion Ratio Lower Upper

63 100

98 5.7 2.7 8.1

100 3.5 1.8 5.3





#25

2-Butanone

Concen: 86.671 ug/l

RT: 5.61 min Scan# 548

Delta R.T. -0.01 min

Lab File: VD059883.D

Acq: 23 Aug 2018 12:49

Instrument :

MSVOA_D

ClientSampleId :

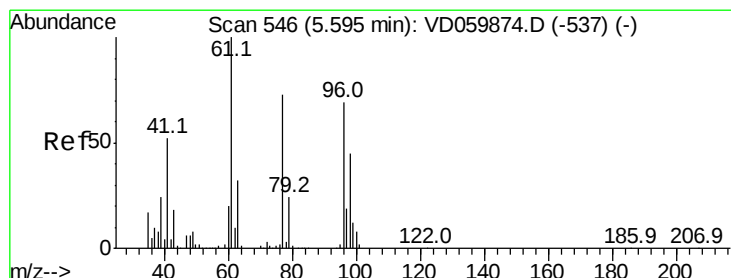
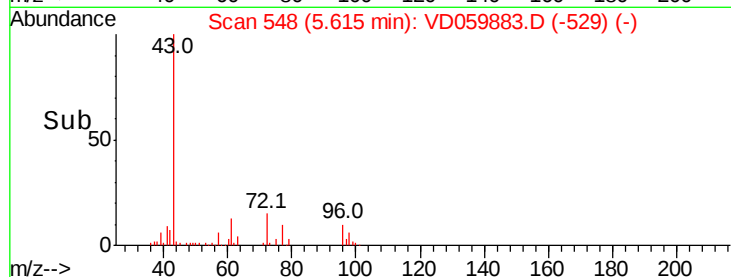
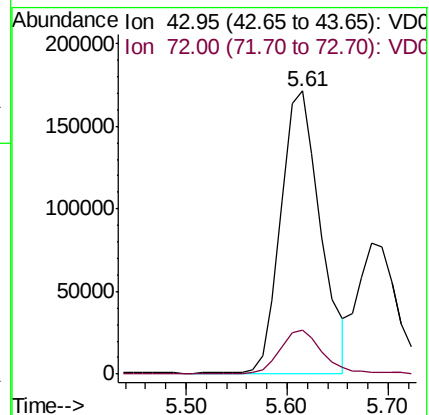
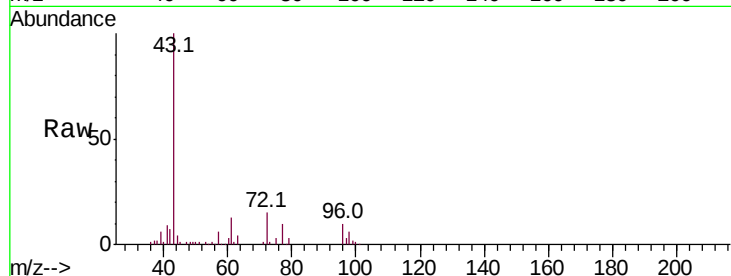
VD0823SBS01

Tot Ion: 43 Resp: 465267

Ion Ratio Lower Upper

43 100

72 15.4 12.3 18.5



#26

2,2-Dichloropropane

Concen: 20.431 ug/l

RT: 5.58 min Scan# 544

Delta R.T. -0.02 min

Lab File: VD059883.D

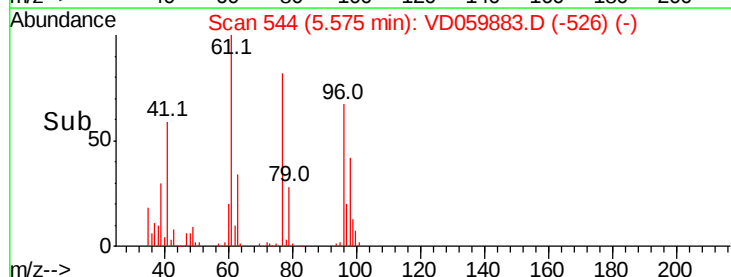
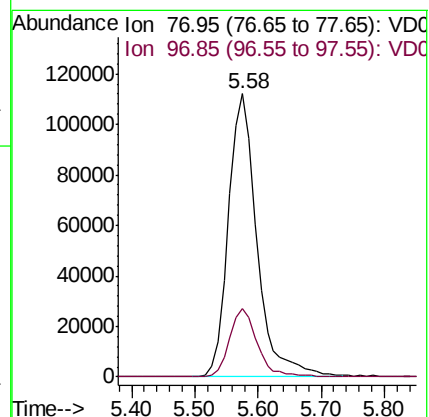
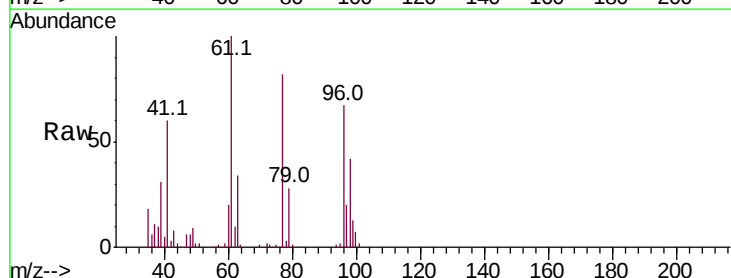
Acq: 23 Aug 2018 12:49

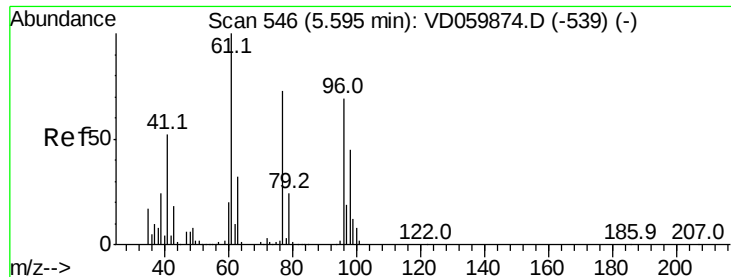
Tgt Ion: 77 Resp: 351916

Ion Ratio Lower Upper

77 100

97 24.3 13.0 38.9





#27

cis-1,2-Dichloroethene

Concen: 20.206 ug/l

RT: 5.58 min Scan# 544

Delta R.T. -0.02 min

Lab File: VD059883.D

Acq: 23 Aug 2018 12:49

Instrument :

MSVOA_D

ClientSampleId :

VD0823SBS01

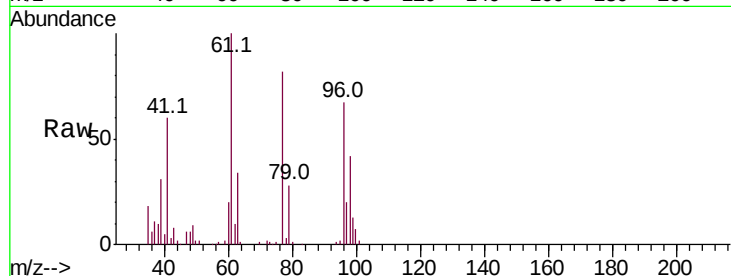
Tot Ion: 96 Resp: 251979

Ion Ratio Lower Upper

96 100

61 149.8 0.0 290.2

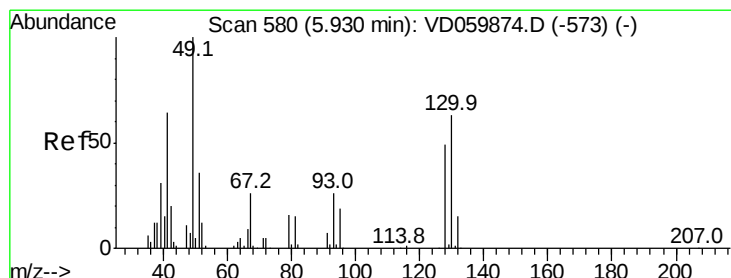
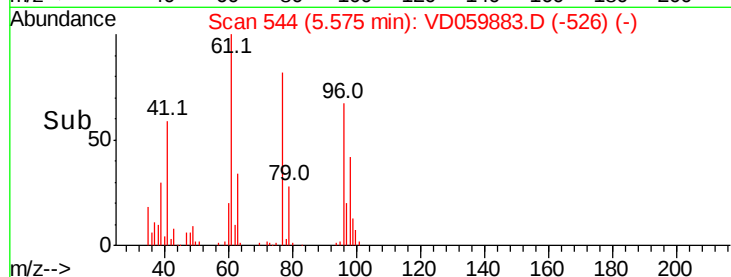
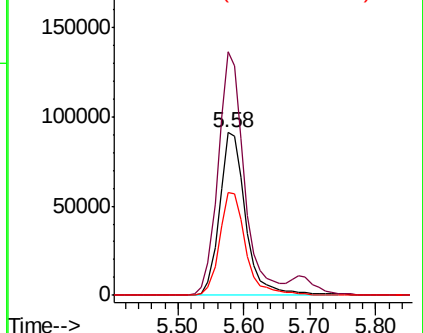
98 63.4 0.0 130.4



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#28

Bromochloromethane

Concen: 21.045 ug/l

RT: 5.91 min Scan# 578

Delta R.T. -0.02 min

Lab File: VD059883.D

Acq: 23 Aug 2018 12:49

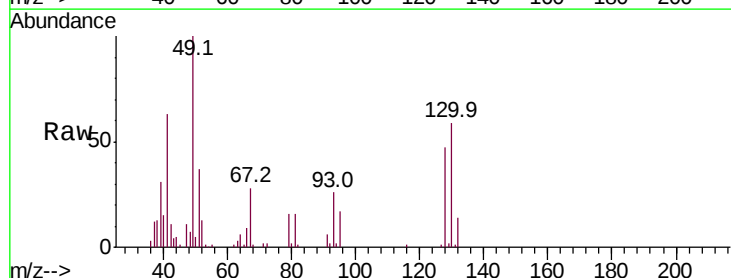
Tgt Ion: 49 Resp: 207827

Ion Ratio Lower Upper

49 100

129 1.9 0.0 3.2

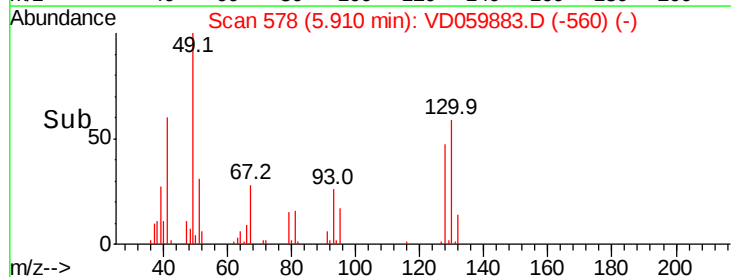
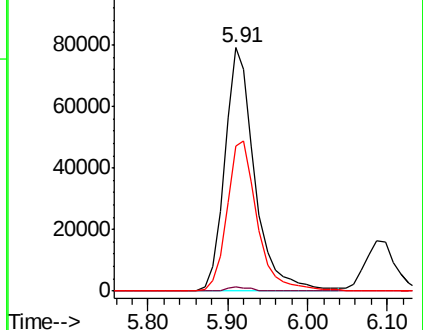
130 59.4 50.6 75.8

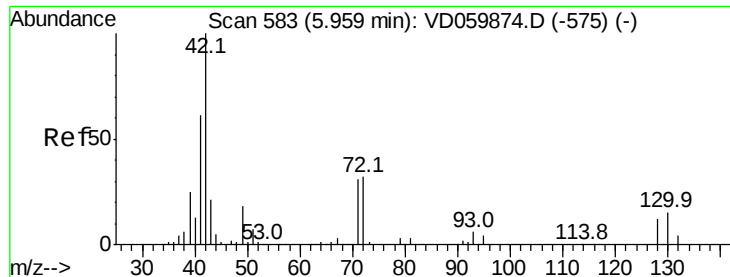


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 99.923 ug/l

RT: 5.94 min Scan# 581

Delta R.T. -0.02 min

Lab File: VD059883.D

Acq: 23 Aug 2018 12:49

Instrument :

MSVOA_D

ClientSampleId :

VD0823SBS01

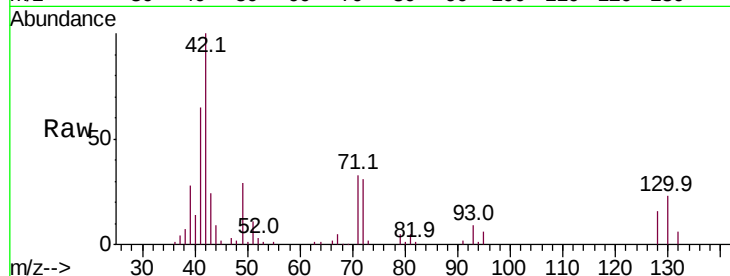
Tot Ion: 42 Resp: 255369

Ion Ratio Lower Upper

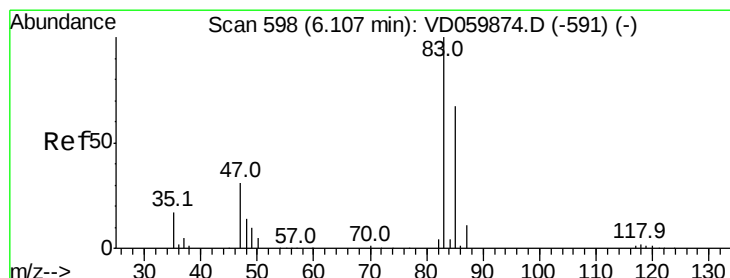
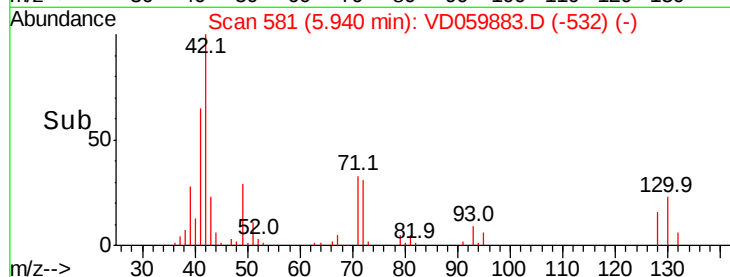
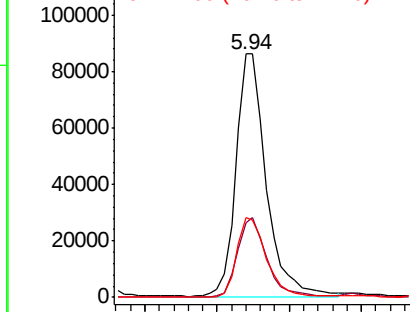
42 100

72 31.8 25.7 38.5

71 32.0 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: 20.853 ug/l

RT: 6.09 min Scan# 596

Delta R.T. -0.02 min

Lab File: VD059883.D

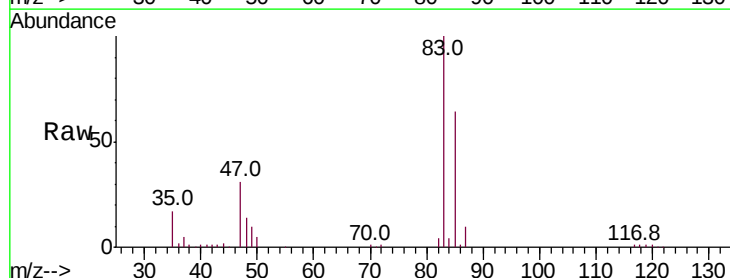
Acq: 23 Aug 2018 12:49

Tgt Ion: 83 Resp: 436660

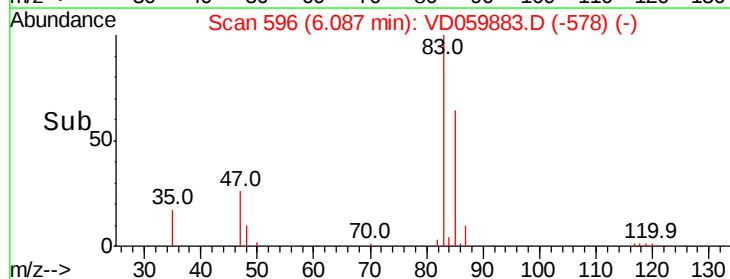
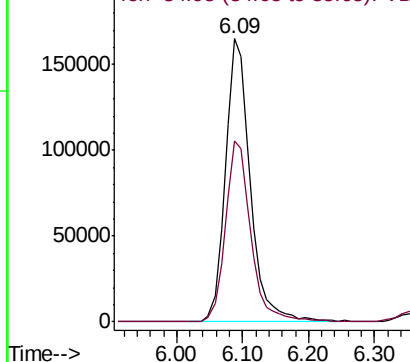
Ion Ratio Lower Upper

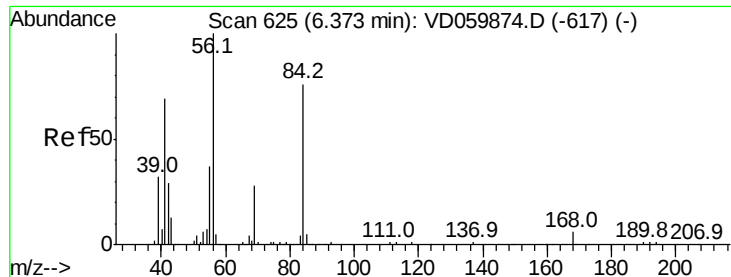
83 100

85 63.9 53.5 80.3



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

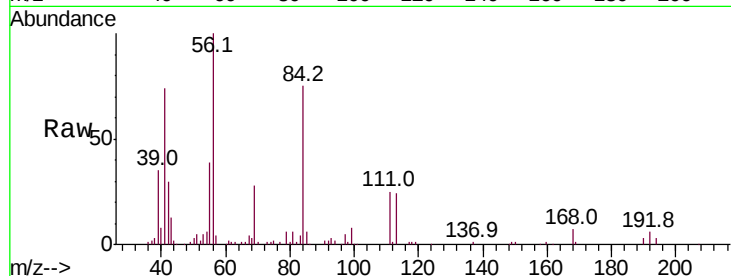




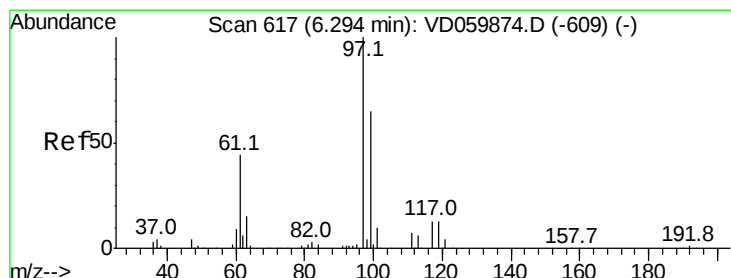
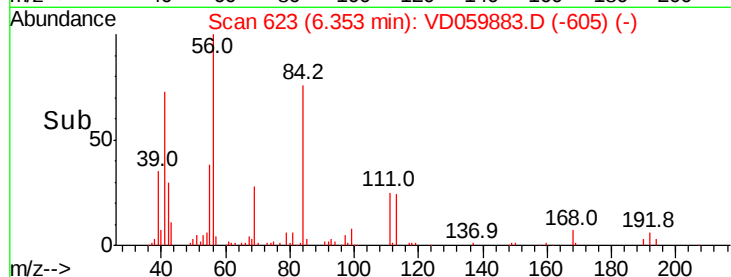
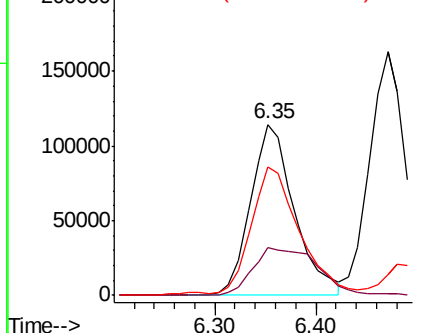
#31
Cyclohexane
Concen: 18.139 ug/l
RT: 6.35 min Scan# 623
Delta R.T. -0.02 min
Lab File: VD059883.D
Acq: 23 Aug 2018 12:49

Instrument :
MSVOA_D
ClientSampleId :
VD0823SBS01

Tot Ion: 56 Resp: 343593
Ion Ratio Lower Upper
56 100
69 28.2 22.4 33.6
84 75.4 62.1 93.1

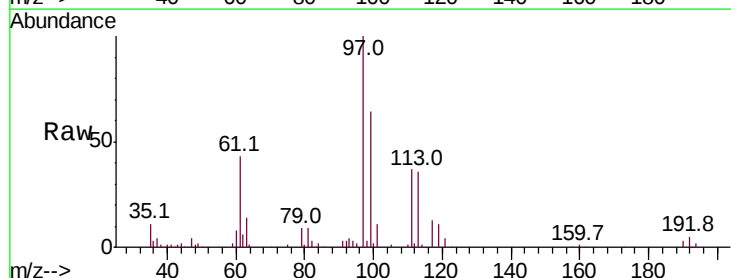


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

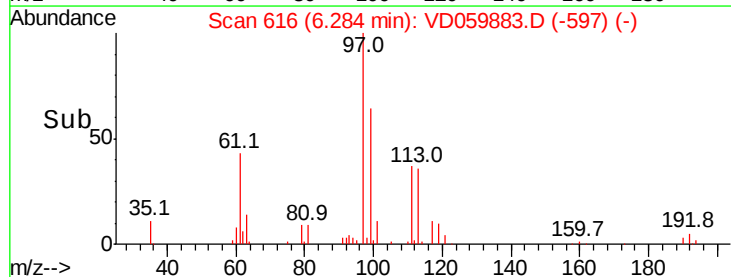
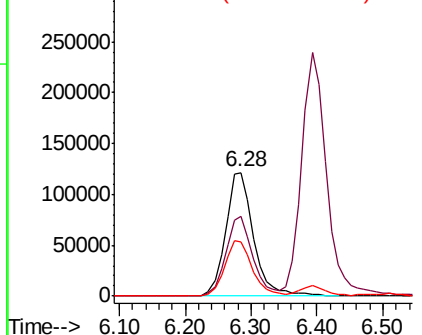


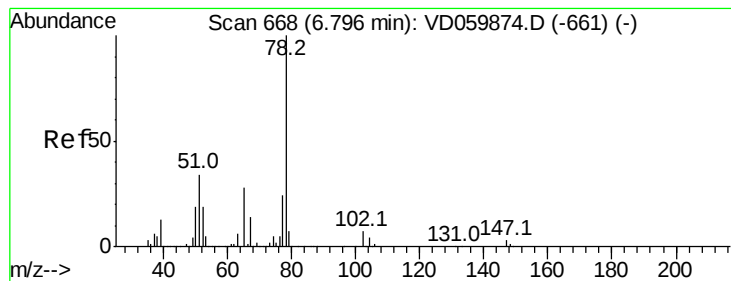
#32
1,1,1-Trichloroethane
Concen: 20.249 ug/l
RT: 6.28 min Scan# 616
Delta R.T. -0.01 min
Lab File: VD059883.D
Acq: 23 Aug 2018 12:49

Tgt Ion: 97 Resp: 359878
Ion Ratio Lower Upper
97 100
99 64.4 51.7 77.5
61 43.4 35.4 53.2



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





#33

1,2-Dichloroethane-d4

Concen: 20.249 ug/l

RT: 6.78 min Scan# 666

Delta R.T. -0.02 min

Lab File: VD059883.D

Acq: 23 Aug 2018 12:49

Instrument :

MSVOA_D

ClientSampleId :

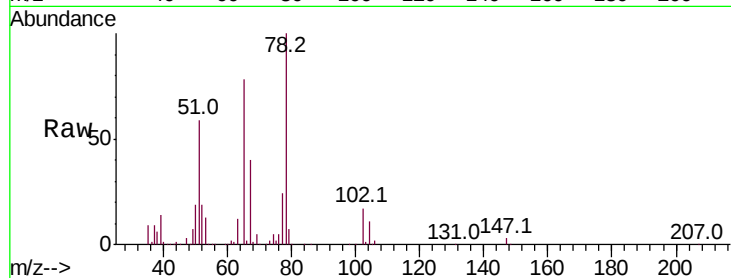
VD0823SBS01

Tot Ion: 65 Resp: 509194

Ion Ratio Lower Upper

65 100

67 51.2 0.0 103.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

250000

200000

150000

100000

50000

0

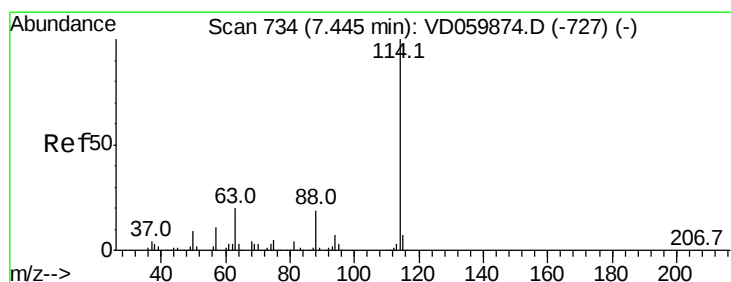
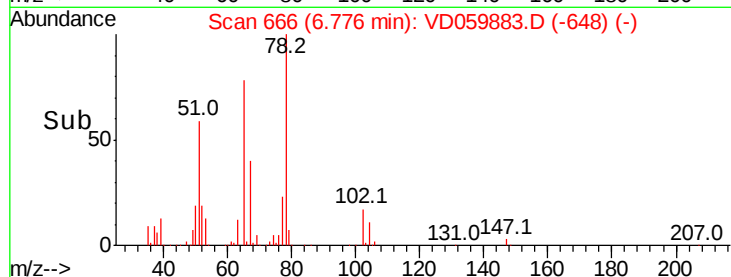
6.78

6.70

6.80

6.90

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.44 min Scan# 733

Delta R.T. -0.01 min

Lab File: VD059883.D

Acq: 23 Aug 2018 12:49

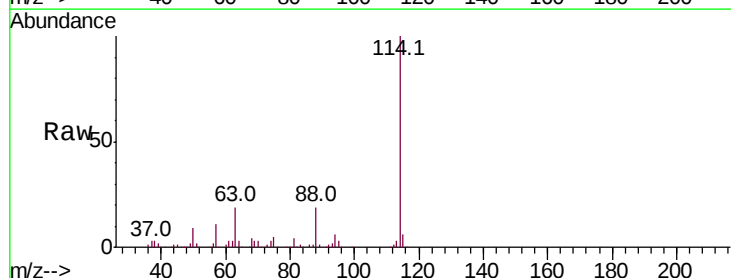
Tgt Ion: 114 Resp: 1616761

Ion Ratio Lower Upper

114 100

63 19.4 0.0 39.4

88 18.7 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

800000

600000

400000

200000

0

7.44

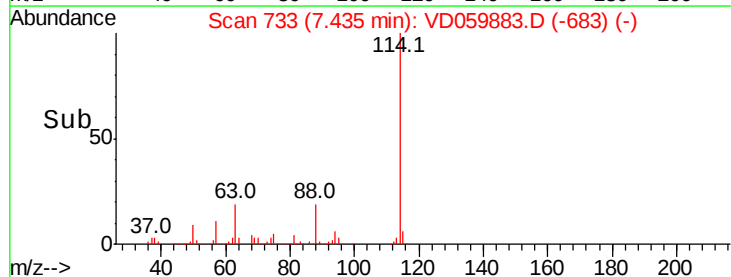
7.20

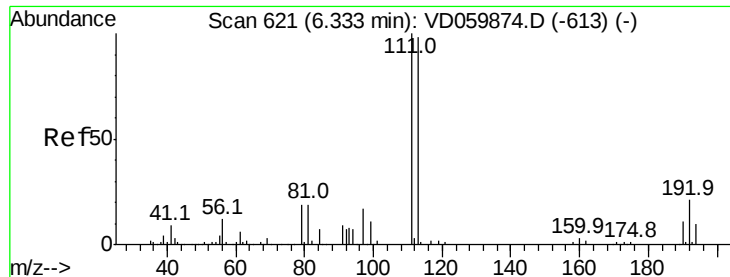
7.40

7.60

7.80

Time-->





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.31 min Scan# 619

Delta R.T. -0.02 min

Lab File: VD059883.D

Acq: 23 Aug 2018 12:49

Instrument :

MSVOA_D

ClientSampleId :

VD0823SBS01

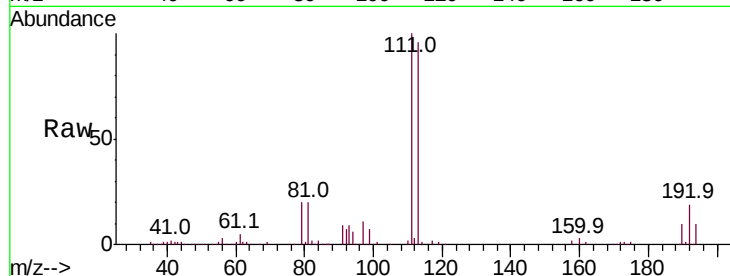
Tot Ion:113 Resp: 655913

Ion Ratio Lower Upper

113 100

111 104.0 81.4 122.2

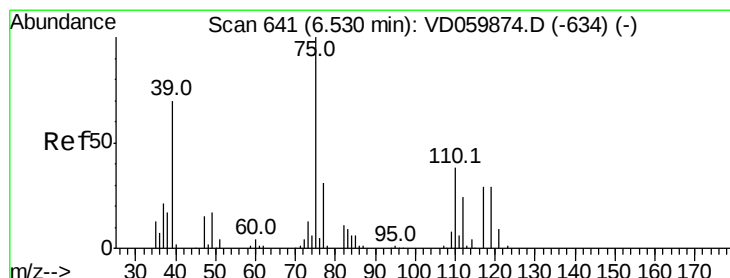
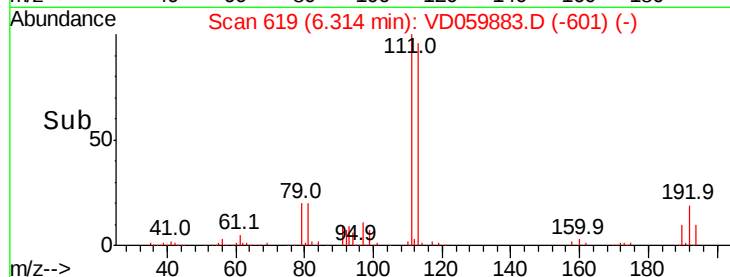
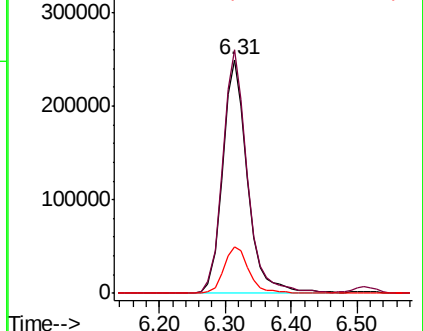
192 19.9 17.0 25.6



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 20.420 ug/l

RT: 6.51 min Scan# 639

Delta R.T. -0.02 min

Lab File: VD059883.D

Acq: 23 Aug 2018 12:49

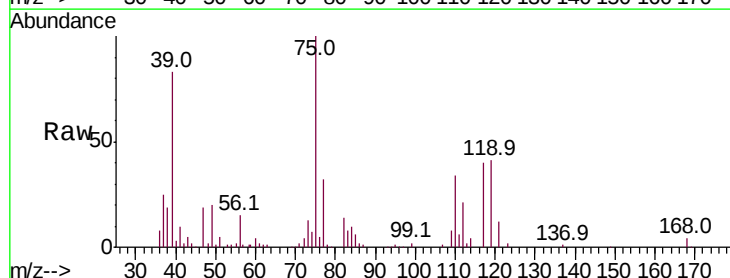
Tgt Ion: 75 Resp: 299275

Ion Ratio Lower Upper

75 100

110 34.4 18.6 56.0

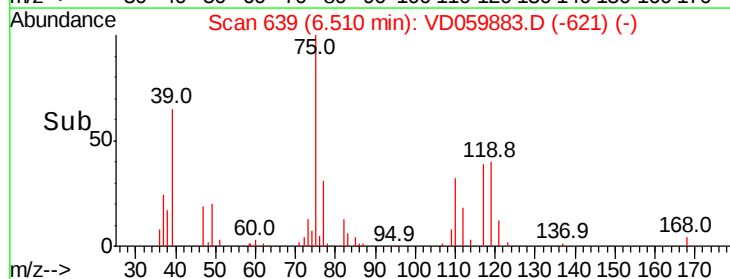
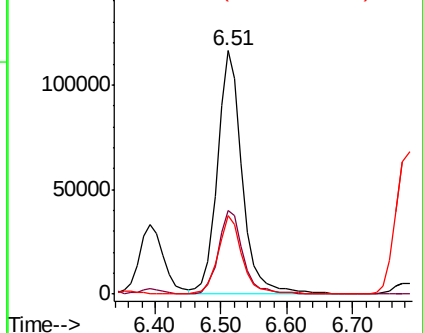
77 32.2 25.1 37.7

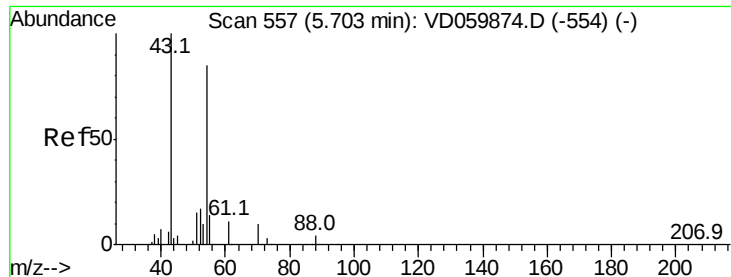


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

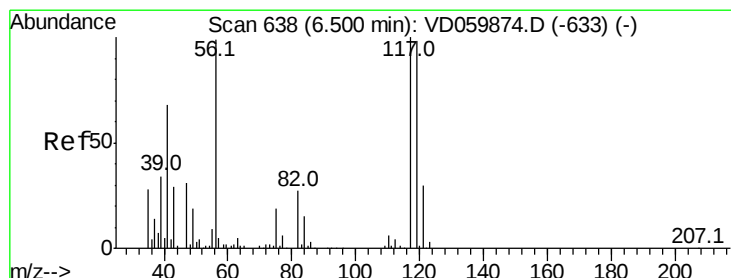
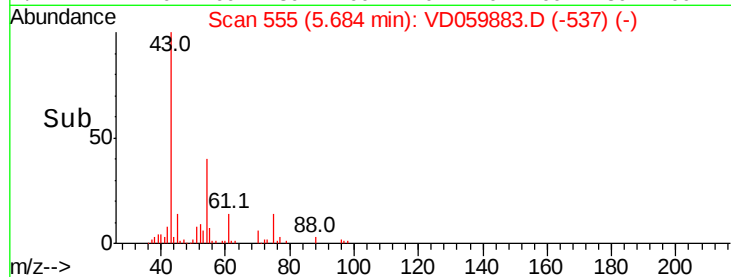
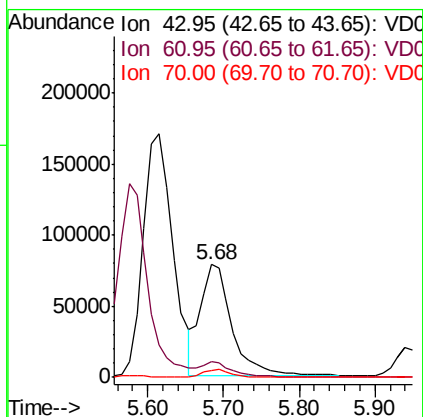
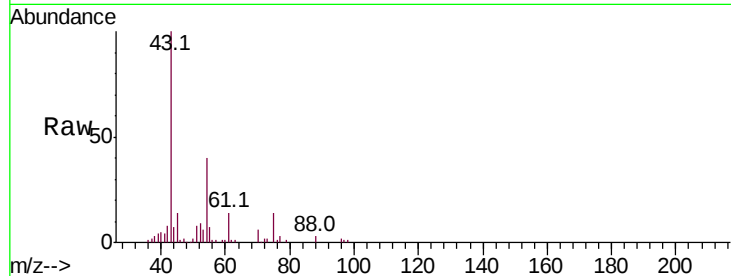




#37
Ethyl Acetate
Concen: 19.982 ug/l
RT: 5.68 min Scan# 555
Delta R.T. -0.02 min
Lab File: VD059883.D
Acq: 23 Aug 2018 12:49

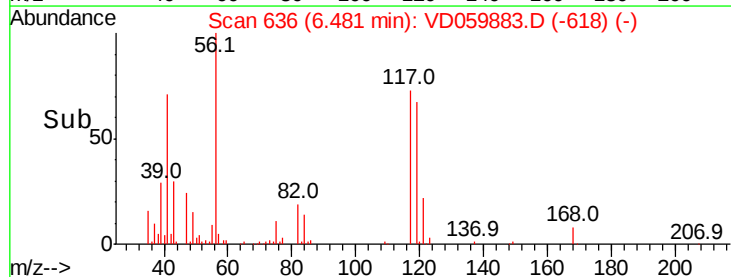
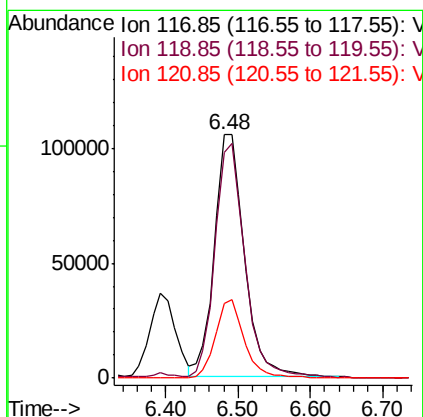
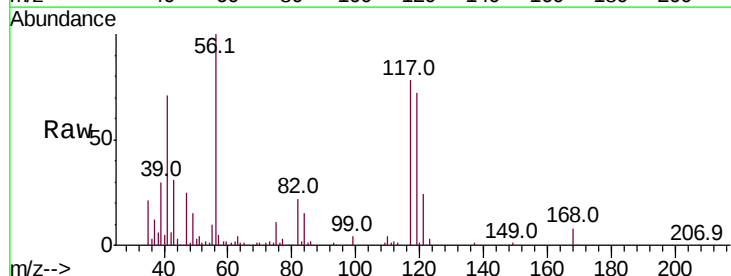
Instrument :
MSVOA_D
ClientSampleId :
VD0823SBS01

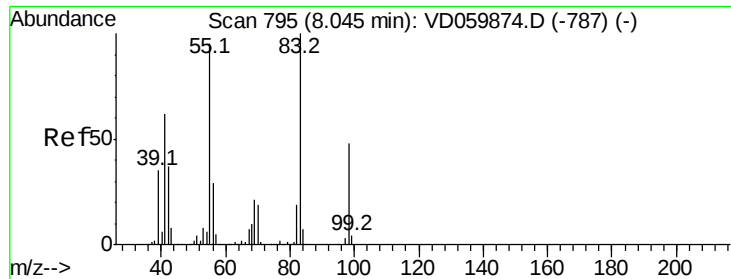
Tot Ion: 43 Resp: 227894
Ion Ratio Lower Upper
43 100
61 13.5 11.0 16.6
70 6.2 5.7 8.5



#38
Carbon Tetrachloride
Concen: 20.591 ug/l
RT: 6.48 min Scan# 636
Delta R.T. -0.02 min
Lab File: VD059883.D
Acq: 23 Aug 2018 12:49

Tgt Ion: 117 Resp: 304554
Ion Ratio Lower Upper
117 100
119 92.8 77.2 115.8
121 30.5 24.0 36.0

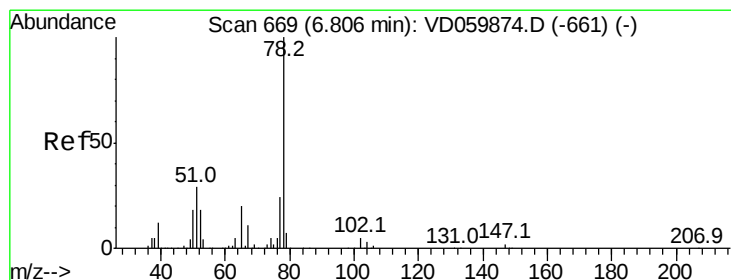
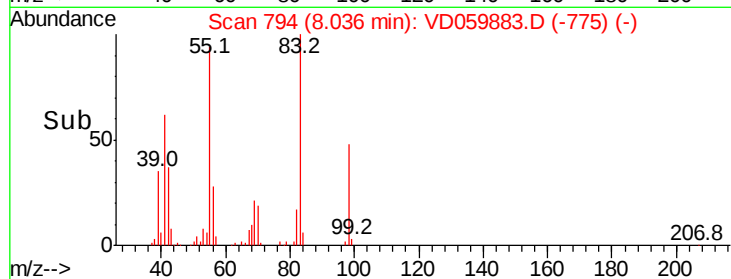
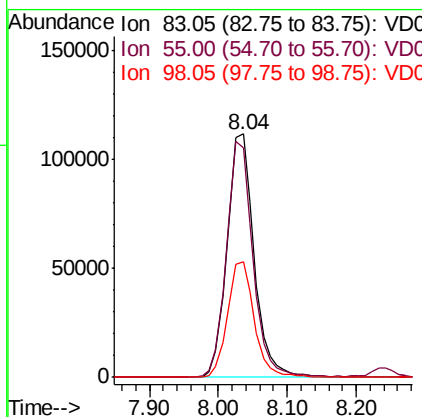
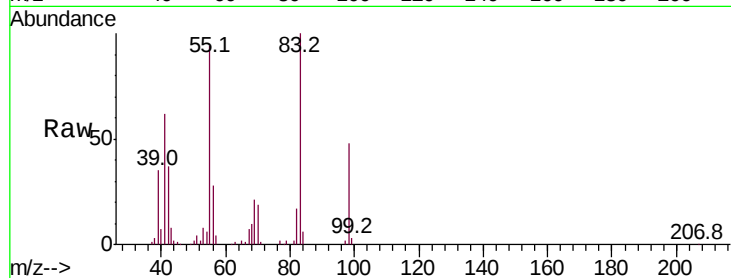




#39
Methvlcvclohexane
Concen: 19.207 ug/l
RT: 8.04 min Scan# 794
Delta R.T. -0.01 min
Lab File: VD059883.D
Acq: 23 Aug 2018 12:49

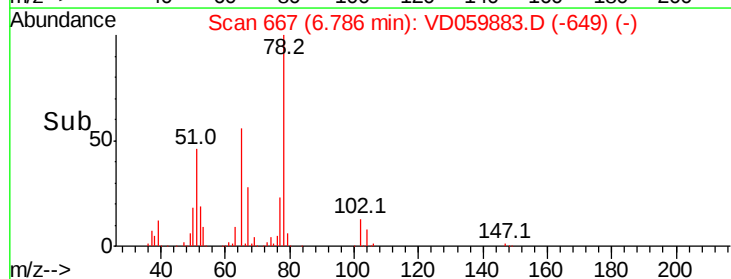
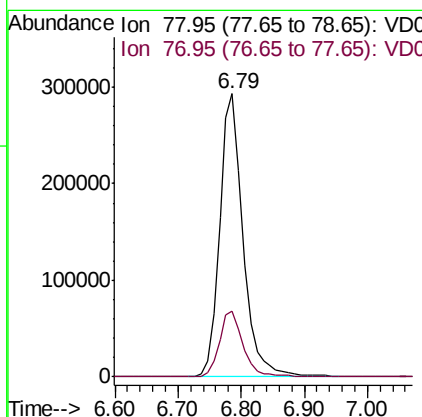
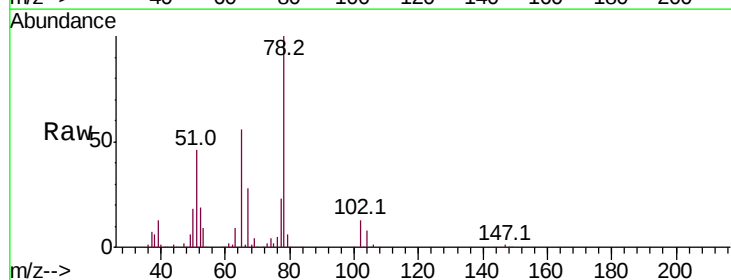
Instrument :
MSVOA_D
ClientSampleId :
VD0823SBS01

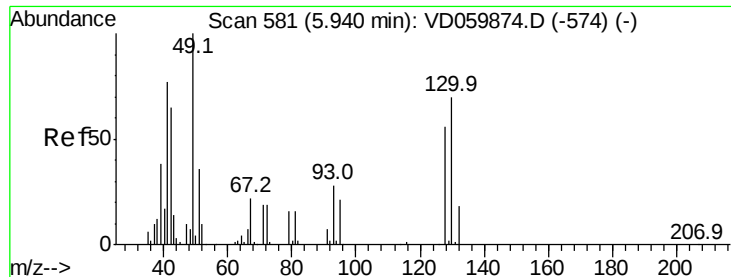
Tot Ion: 83 Resp: 304133
Ion Ratio Lower Upper
83 100
55 94.4 75.8 113.6
98 47.7 38.3 57.5



#40
Benzene
Concen: 19.824 ug/l
RT: 6.79 min Scan# 667
Delta R.T. -0.02 min
Lab File: VD059883.D
Acq: 23 Aug 2018 12:49

Tgt Ion: 78 Resp: 755466
Ion Ratio Lower Upper
78 100
77 23.3 19.0 28.4





#41

Methacrylonitrile

Concen: 45.209 ug/l

RT: 5.94 min Scan# 581

Delta R.T. 0.00 min

Lab File: VD059883.D

Acq: 23 Aug 2018 12:49

Instrument :

MSVOA_D

ClientSampleId :

VD0823SBS01

Tot Ion: 41 Resp: 259723

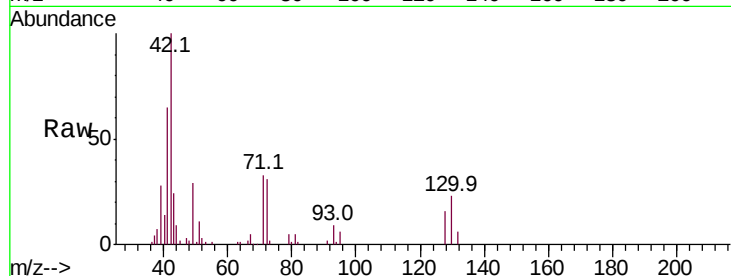
Ion Ratio Lower Upper

41 100

39 43.5 39.4 59.2

67 7.0 22.2 33.2#

52 4.2 10.1 15.1#

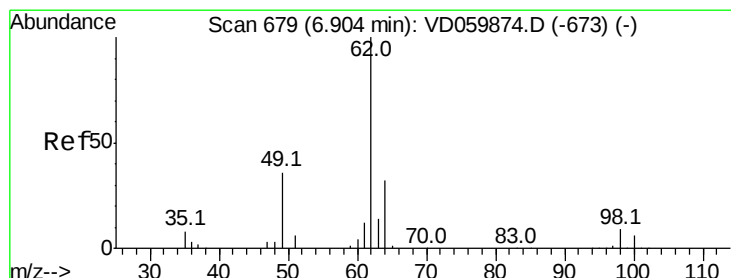
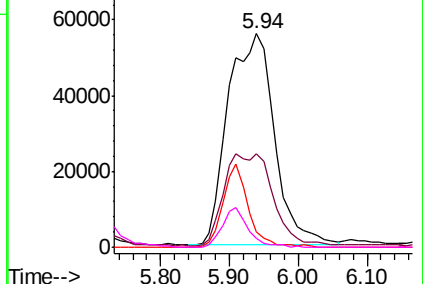
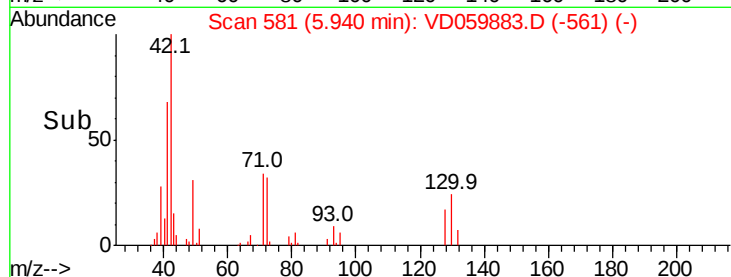


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 20.767 ug/l

RT: 6.88 min Scan# 677

Delta R.T. -0.02 min

Lab File: VD059883.D

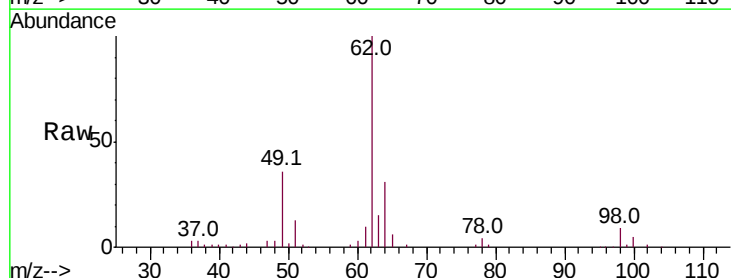
Acq: 23 Aug 2018 12:49

Tgt Ion: 62 Resp: 254055

Ion Ratio Lower Upper

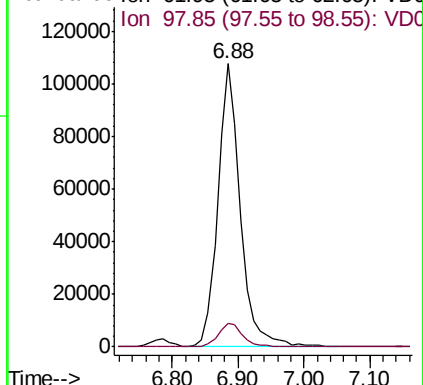
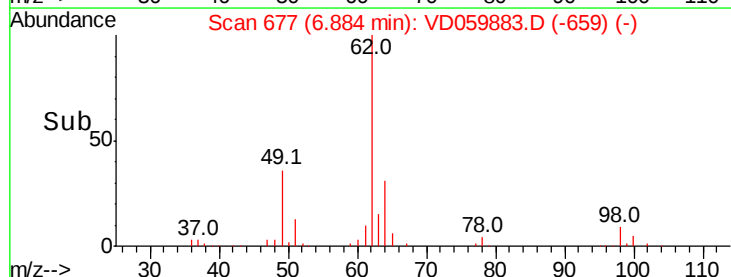
62 100

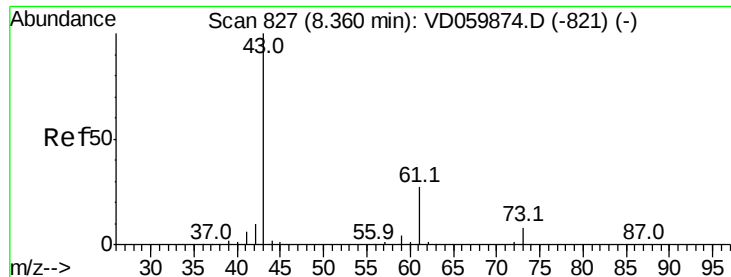
98 8.5 0.0 18.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



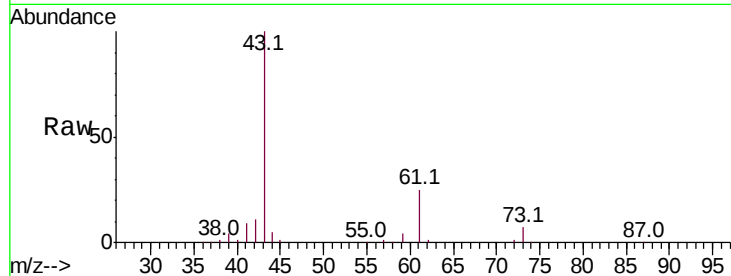


#43

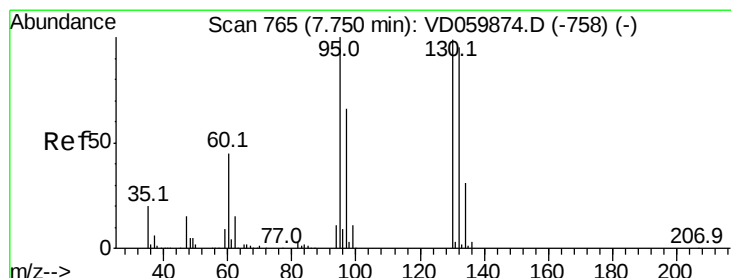
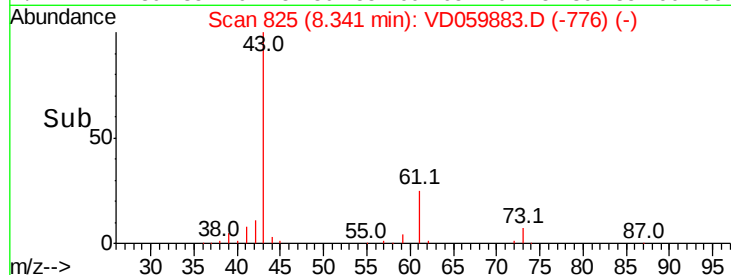
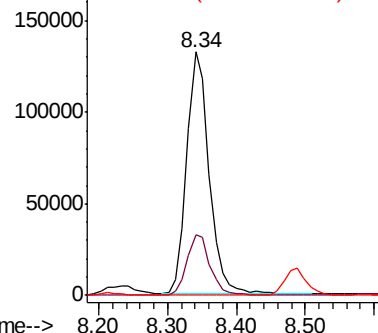
Isopropyl Acetate
 Concen: 20.225 ug/l
 RT: 8.34 min Scan# 825
 Delta R.T. -0.02 min
 Lab File: VD059883.D
 Acq: 23 Aug 2018 12:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0823SBS01

Tot Ion: 43 Resp: 300082
 Ion Ratio Lower Upper
 43 100
 61 24.6 21.4 32.2
 87 0.3 0.2 0.4



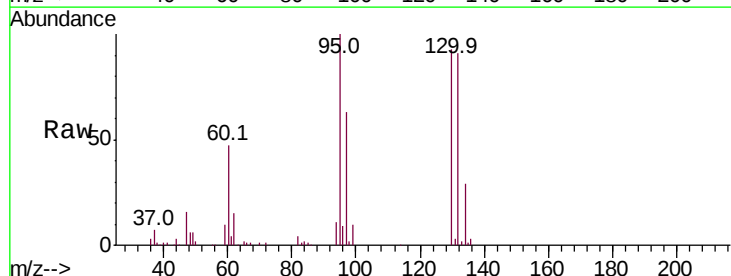
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



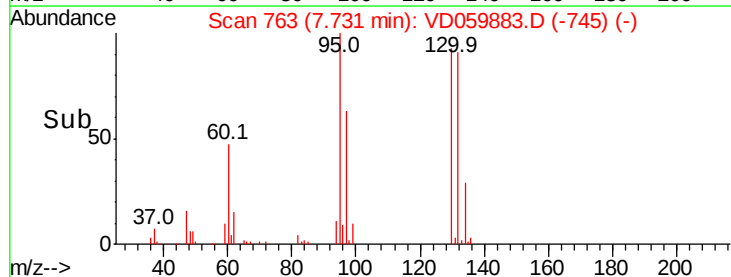
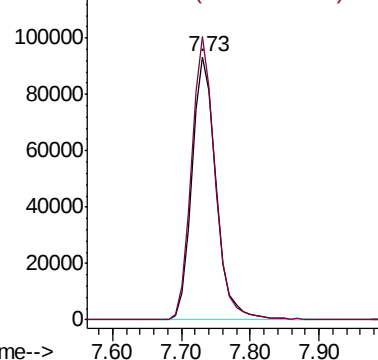
#44

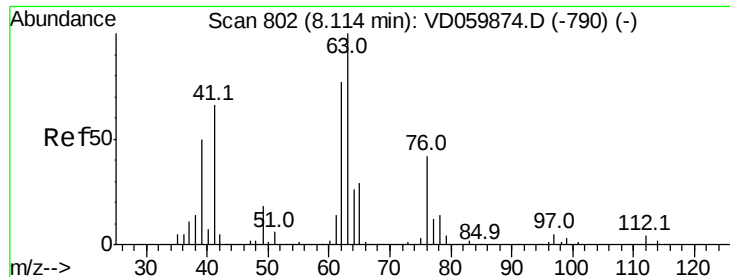
Trichloroethene
 Concen: 20.141 ug/l
 RT: 7.73 min Scan# 763
 Delta R.T. -0.02 min
 Lab File: VD059883.D
 Acq: 23 Aug 2018 12:49

Tgt Ion:130 Resp: 225994
 Ion Ratio Lower Upper
 130 100
 95 107.6 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: 20.390 ug/l

RT: 8.09 min Scan# 800

Delta R.T. -0.02 min

Lab File: VD059883.D

Acq: 23 Aug 2018 12:49

Instrument :

MSVOA_D

ClientSampleId :

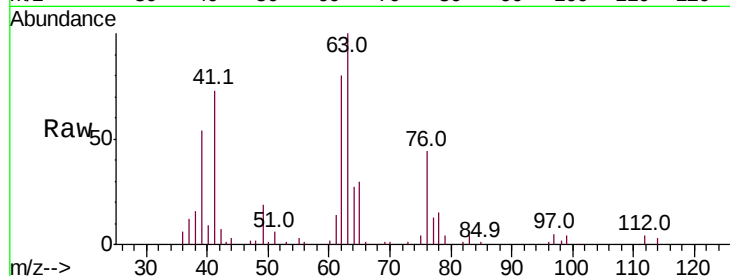
VD0823SBS01

Tot Ion: 63 Resp: 217195

Ion Ratio Lower Upper

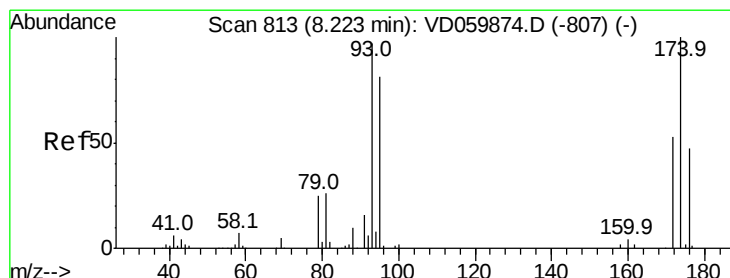
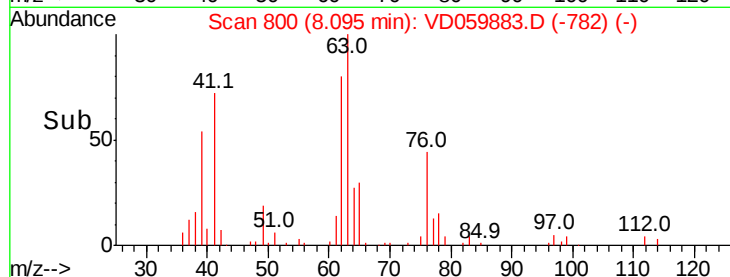
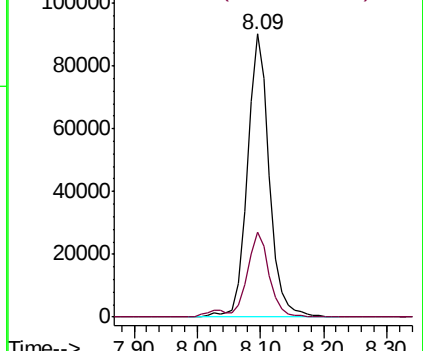
63 100

65 30.2 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: 20.095 ug/l

RT: 8.21 min Scan# 812

Delta R.T. -0.01 min

Lab File: VD059883.D

Acq: 23 Aug 2018 12:49

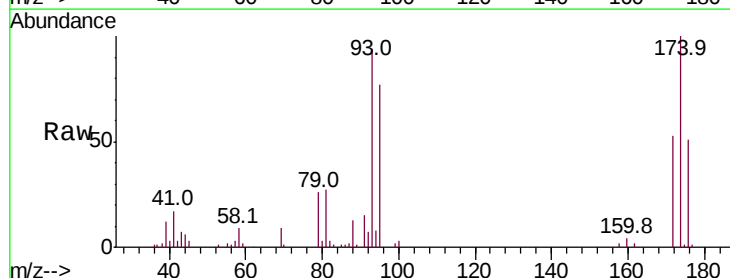
Tgt Ion: 93 Resp: 137636

Ion Ratio Lower Upper

93 100

95 81.8 66.6 100.0

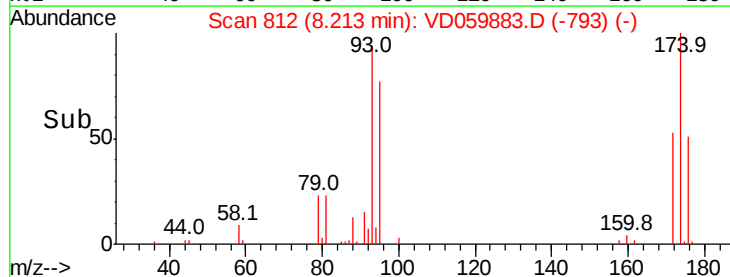
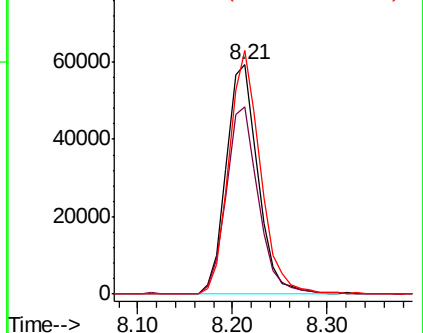
174 106.3 82.4 123.6

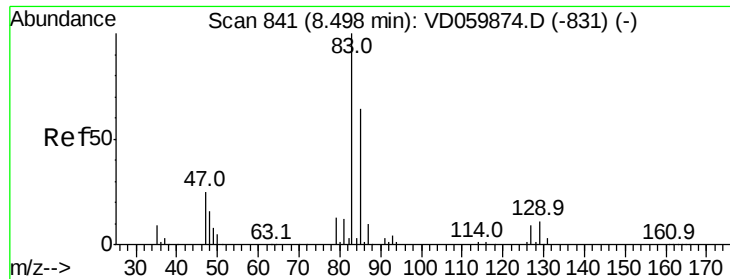


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 20.795 ug/l

RT: 8.49 min Scan# 840

Delta R.T. -0.01 min

Lab File: VD059883.D

Acq: 23 Aug 2018 12:49

Instrument :

MSVOA_D

ClientSampleId :

VD0823SBS01

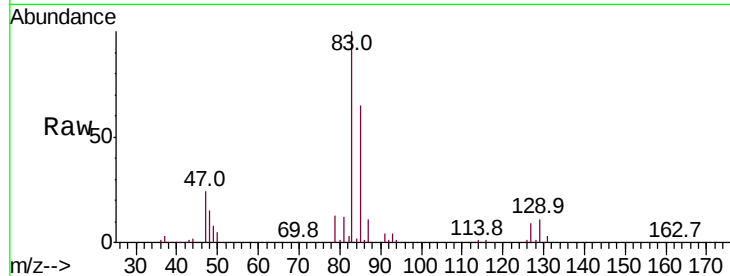
Tot Ion: 83 Resp: 322428

Ion Ratio Lower Upper

83 100

85 64.6 51.3 76.9

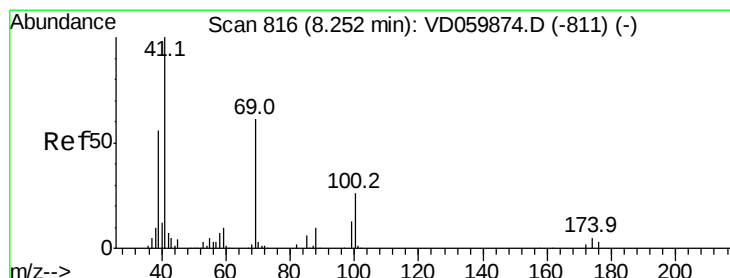
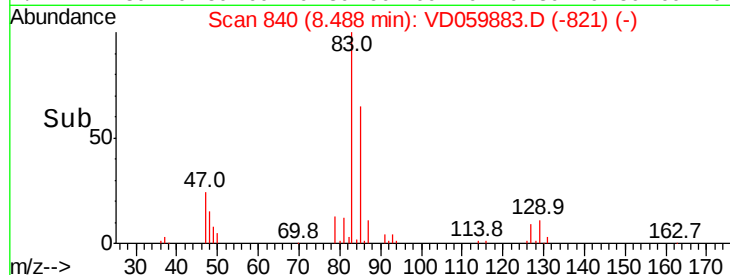
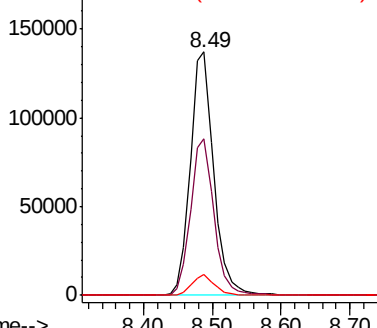
127 8.6 7.0 10.4



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: 19.512 ug/l

RT: 8.24 min Scan# 815

Delta R.T. -0.01 min

Lab File: VD059883.D

Acq: 23 Aug 2018 12:49

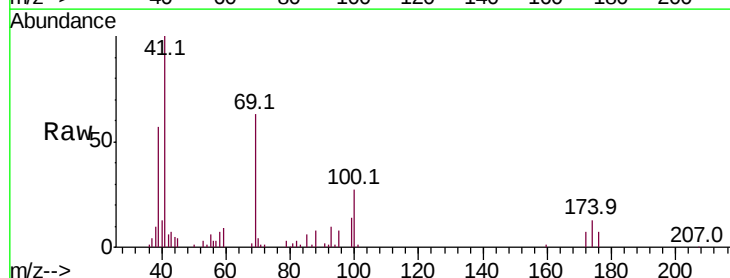
Tgt Ion: 41 Resp: 168757

Ion Ratio Lower Upper

41 100

69 63.2 48.0 72.0

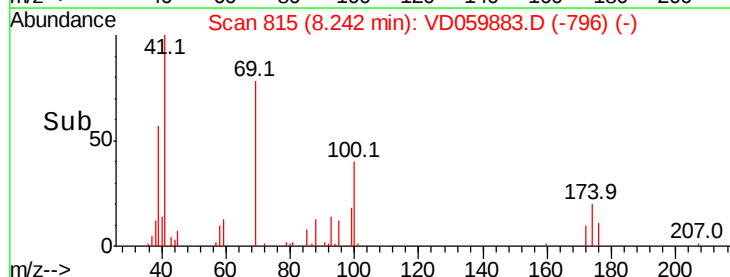
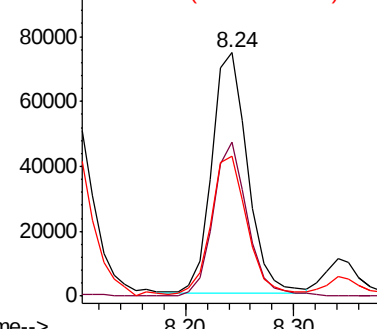
39 57.4 45.4 68.0

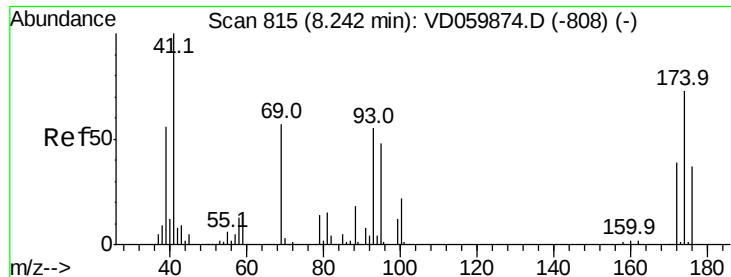


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC





#49

1,4-Dioxane

Concen: 395.065 ug/l

RT: 8.22 min Scan# 813

Delta R.T. -0.02 min

Lab File: VD059883.D

Acq: 23 Aug 2018 12:49

Instrument :

MSVOA_D

ClientSampleId :

VD0823SBS01

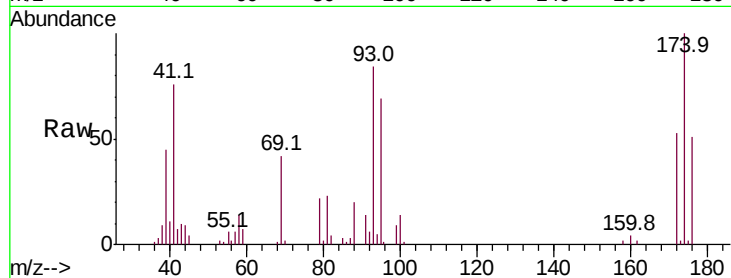
Tot Ion: 88 Resp: 30506

Ion Ratio Lower Upper

88 100

43 50.4 45.0 67.6

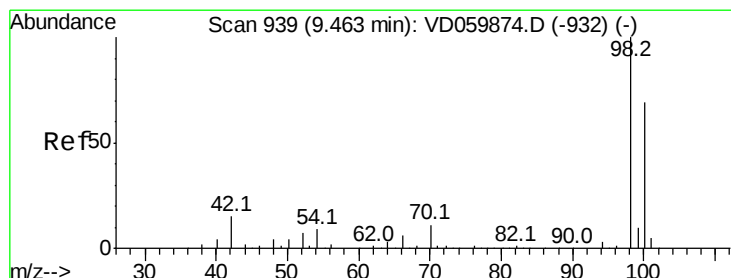
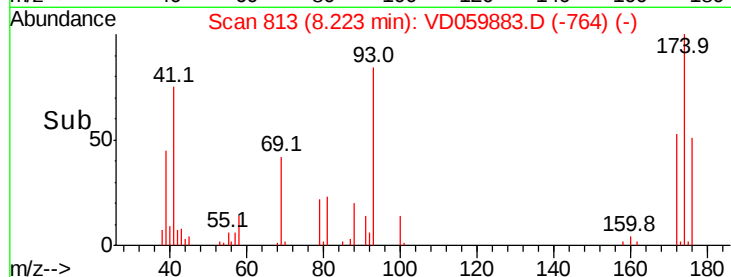
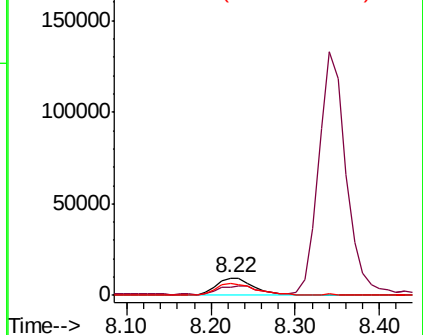
58 67.9 55.8 83.8



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: 395.065 ug/l

RT: 9.45 min Scan# 938

Delta R.T. -0.01 min

Lab File: VD059883.D

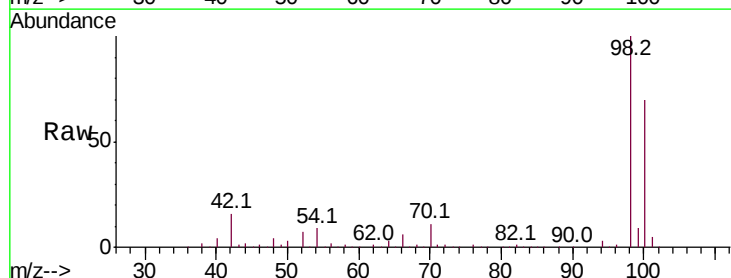
Acq: 23 Aug 2018 12:49

Tgt Ion: 98 Resp: 1839335

Ion Ratio Lower Upper

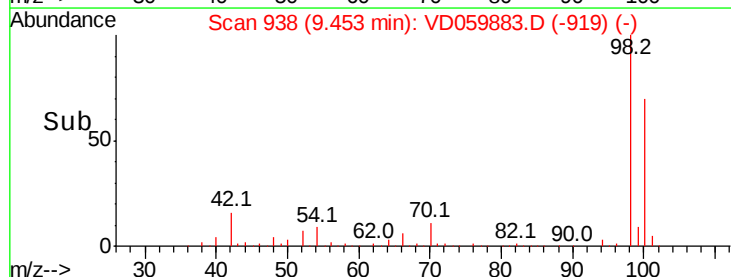
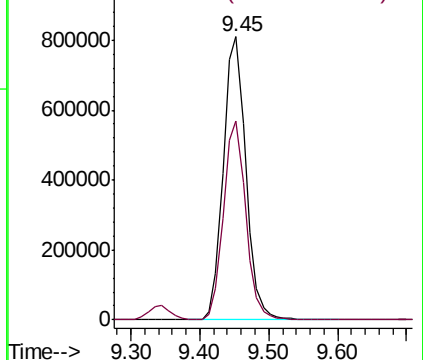
98 100

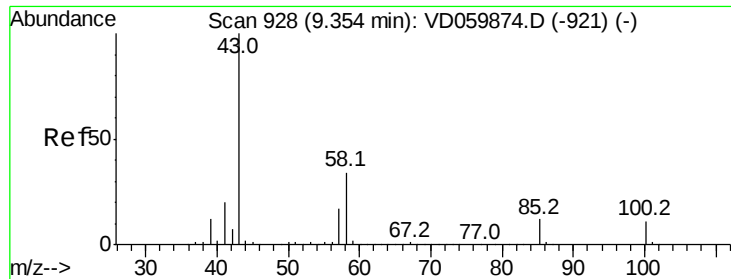
100 70.1 55.8 83.6



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: 89.470 ug/l

RT: 9.33 min Scan# 926

Delta R.T. -0.02 min

Lab File: VD059883.D

Acq: 23 Aug 2018 12:49

Instrument :

MSVOA_D

ClientSampleId :

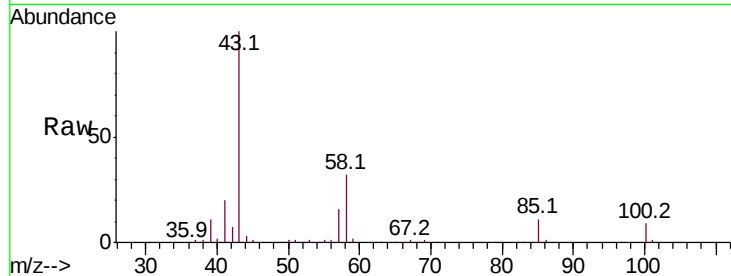
VD0823SBS01

Tot Ion: 43 Resp: 989662

Ion Ratio Lower Upper

43 100

58 31.7 27.0 40.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

9.33

400000

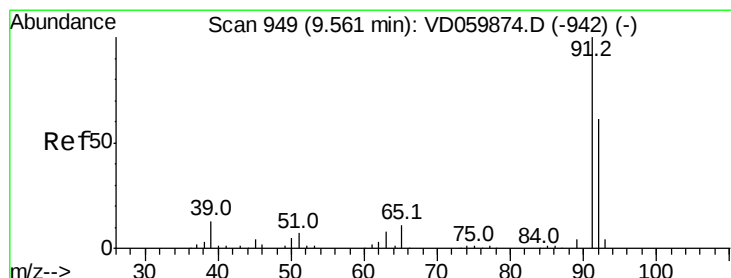
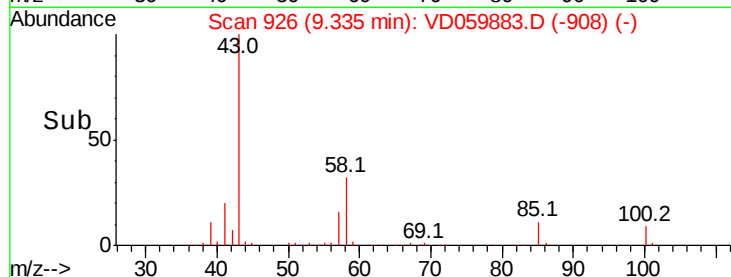
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 20.387 ug/l

RT: 9.54 min Scan# 947

Delta R.T. -0.02 min

Lab File: VD059883.D

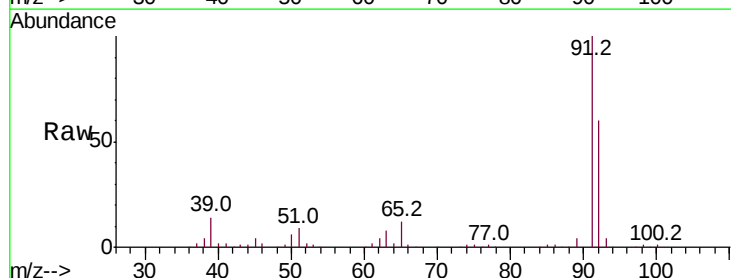
Acq: 23 Aug 2018 12:49

Tgt Ion: 92 Resp: 498189

Ion Ratio Lower Upper

92 100

91 165.5 131.4 197.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

9.54

400000

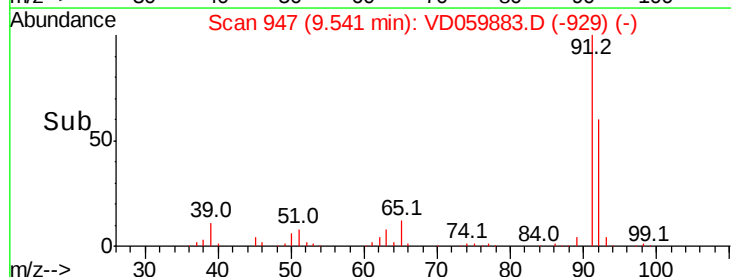
300000

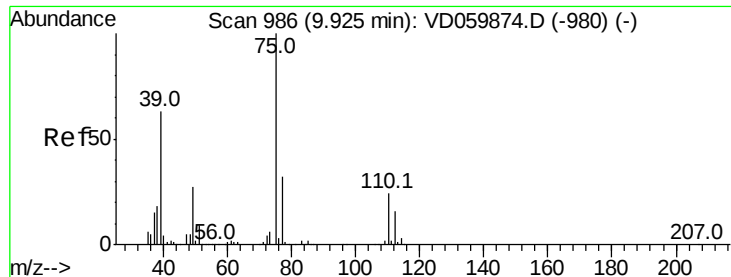
200000

100000

0

Time-->

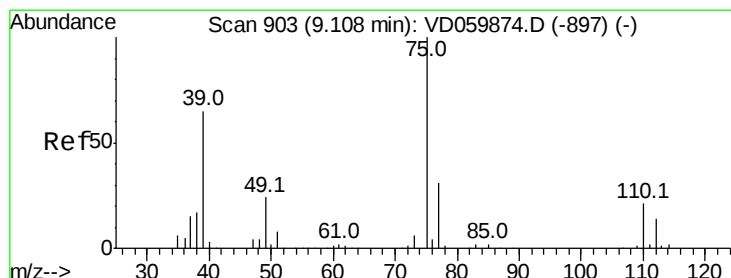
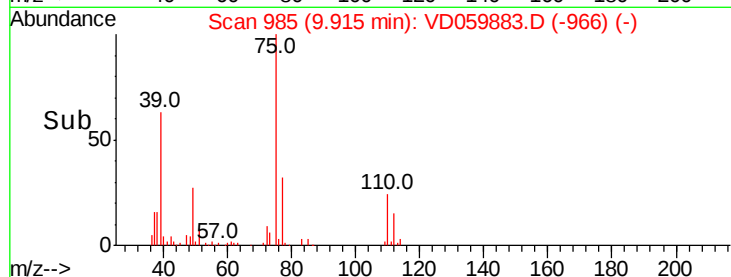
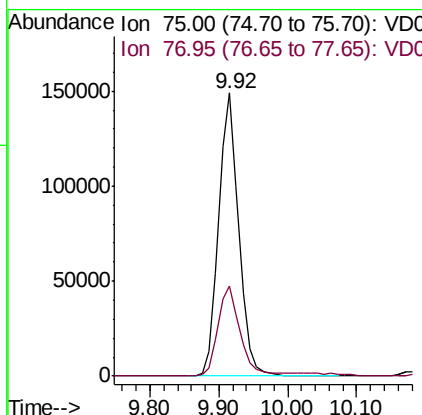
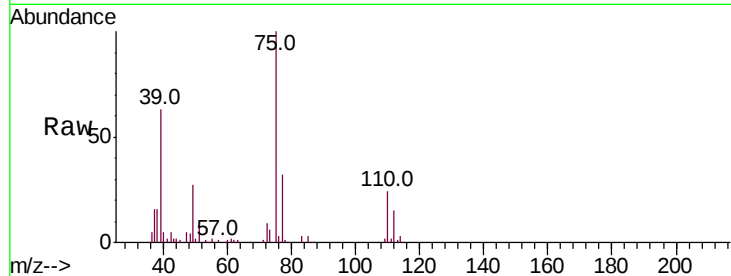




#53
 t-1,3-Dichloropropene
 Concen: 20.933 ug/l
 RT: 9.92 min Scan# 985
 Delta R.T. -0.01 min
 Lab File: VD059883.D
 Acq: 23 Aug 2018 12:49

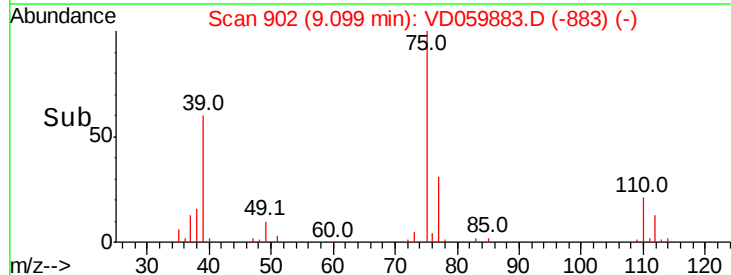
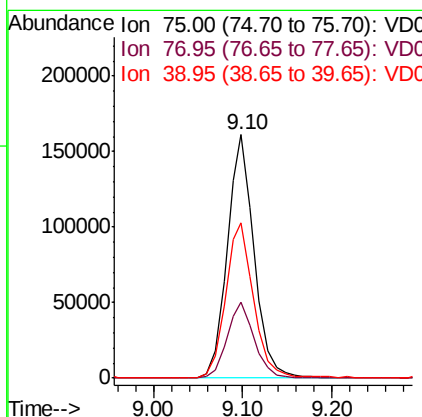
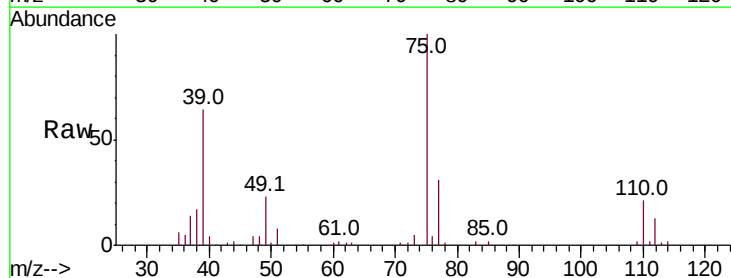
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0823SBS01

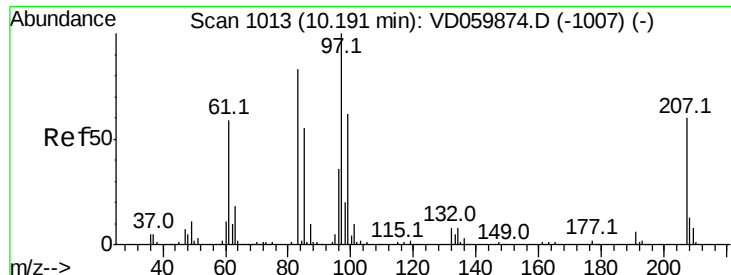
Tot Ion: 75 Resp: 300206
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.4 38.2



#54
 cis-1,3-Dichloropropene
 Concen: 20.437 ug/l
 RT: 9.10 min Scan# 902
 Delta R.T. -0.01 min
 Lab File: VD059883.D
 Acq: 23 Aug 2018 12:49

Tgt Ion: 75 Resp: 339831
 Ion Ratio Lower Upper
 75 100
 77 31.2 24.8 37.2
 39 63.9 52.1 78.1



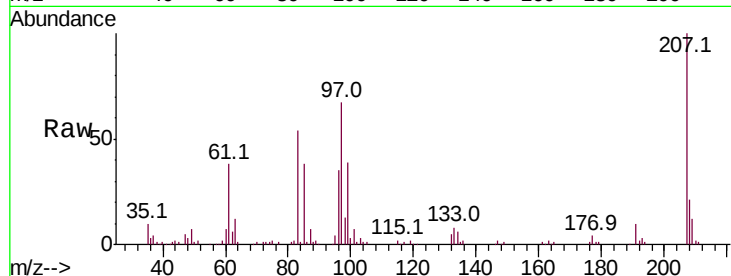


#55
 1,1,2-Trichloroethane
 Concen: 19.499 ug/l
 RT: 10.18 min Scan# 1012
 Delta R.T. -0.01 min
 Lab File: VD059883.D
 Acq: 23 Aug 2018 12:49

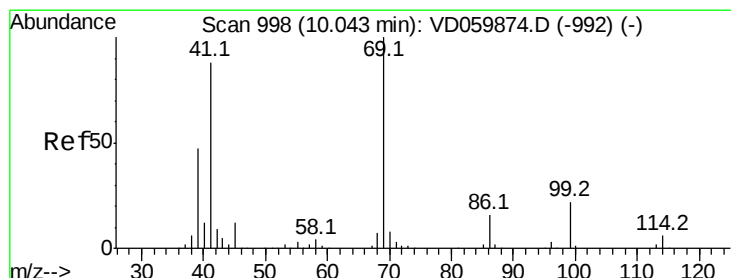
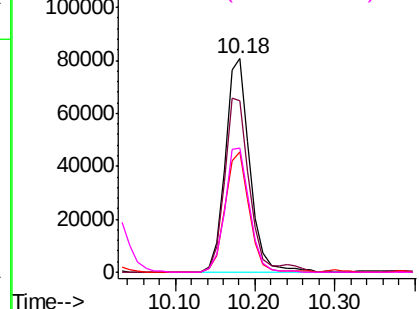
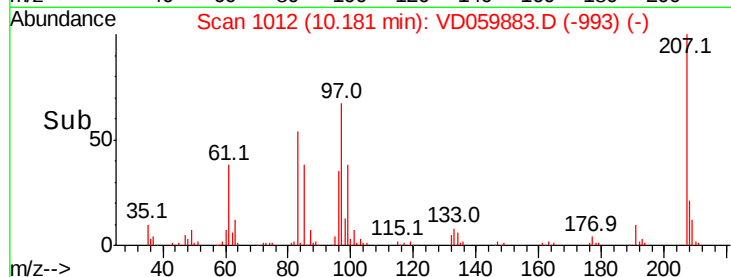
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0823SBS01

Tot Ion: 97 Resp: 174176

Ion	Ratio	Lower	Upper
97	100		
83	80.4	66.7	100.1
85	56.3	43.8	65.6
99	58.2	49.8	74.6



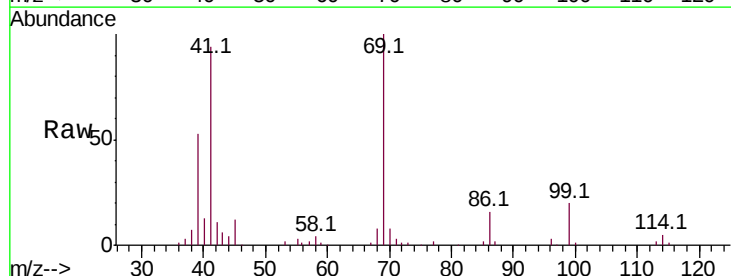
Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC



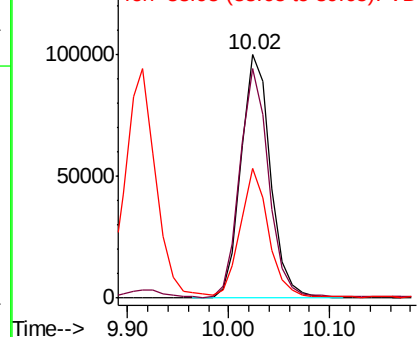
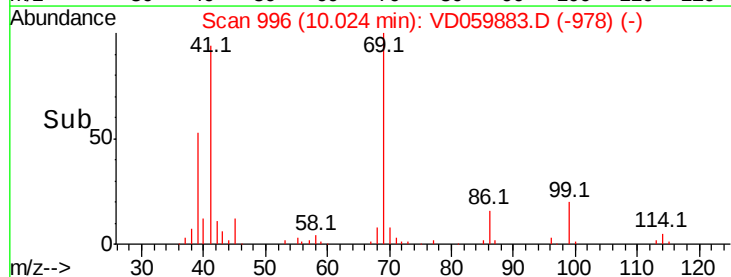
#56
 Ethyl methacrylate
 Concen: 19.668 ug/l
 RT: 10.02 min Scan# 996
 Delta R.T. -0.02 min
 Lab File: VD059883.D
 Acq: 23 Aug 2018 12:49

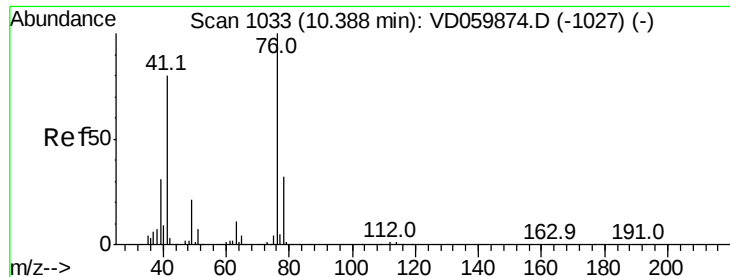
Tgt Ion: 69 Resp: 202758

Ion	Ratio	Lower	Upper
69	100		
41	94.3	71.0	106.4
39	53.5	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: 21.001 ug/l

RT: 10.38 min Scan# 1032

Delta R.T. -0.01 min

Lab File: VD059883.D

Acq: 23 Aug 2018 12:49

Instrument :

MSVOA_D

ClientSampleId :

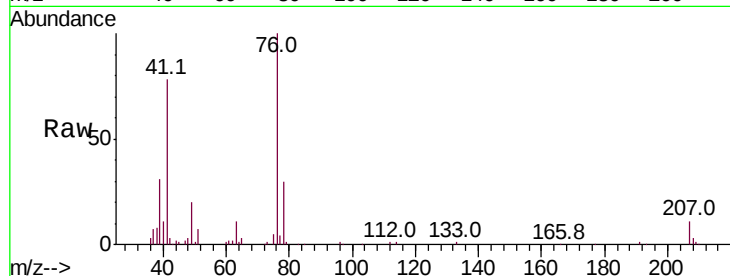
VD0823SBS01

Tot Ion: 76 Resp: 271508

Ion Ratio Lower Upper

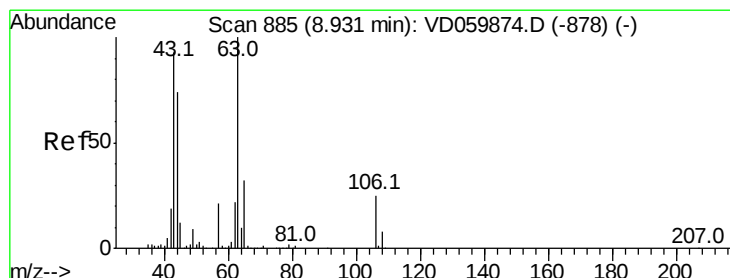
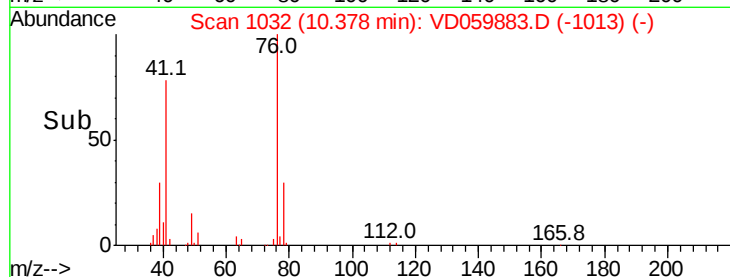
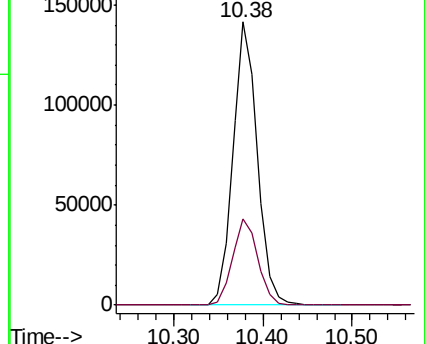
76 100

78 30.3 25.8 38.6



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 111.889 ug/l

RT: 8.92 min Scan# 884

Delta R.T. -0.01 min

Lab File: VD059883.D

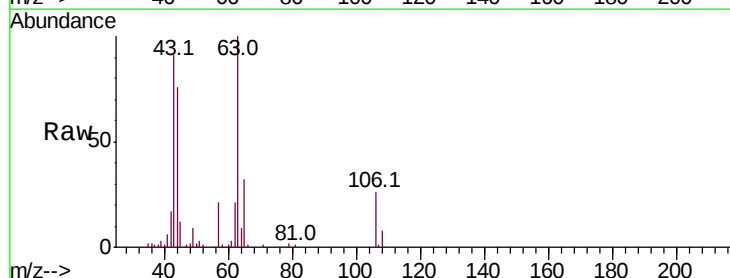
Acq: 23 Aug 2018 12:49

Tgt Ion: 63 Resp: 553330

Ion Ratio Lower Upper

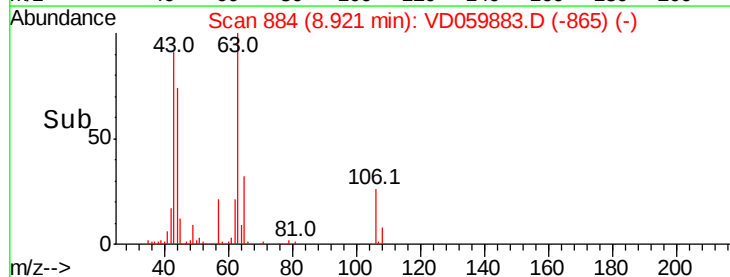
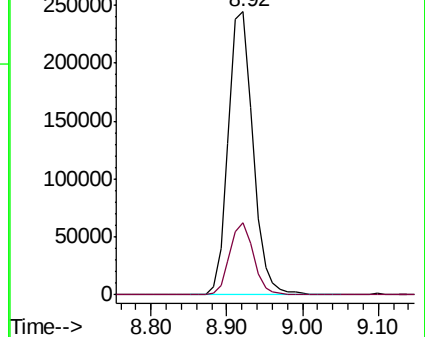
63 100

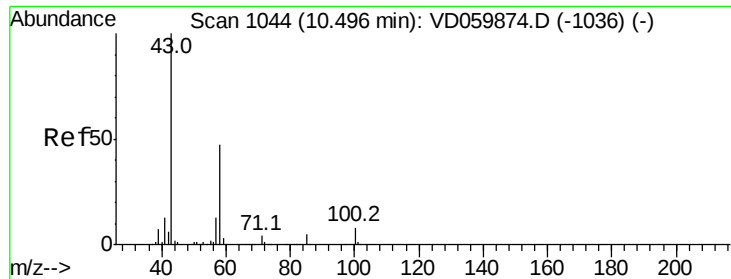
106 25.7 20.1 30.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

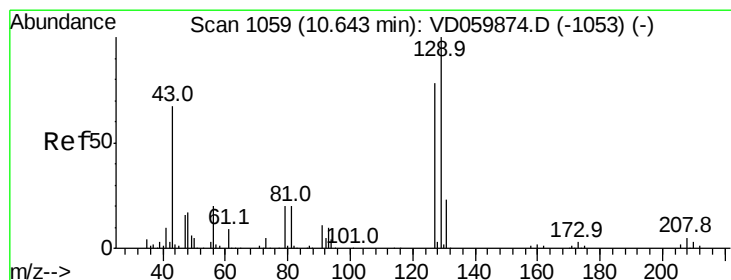
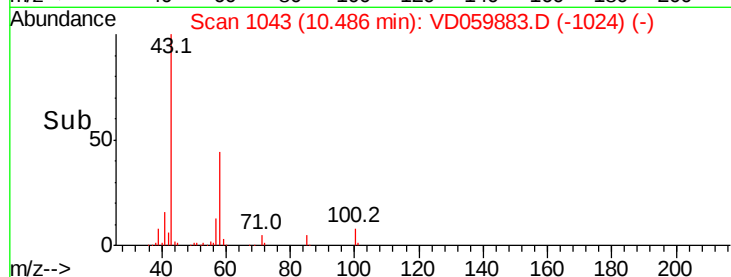
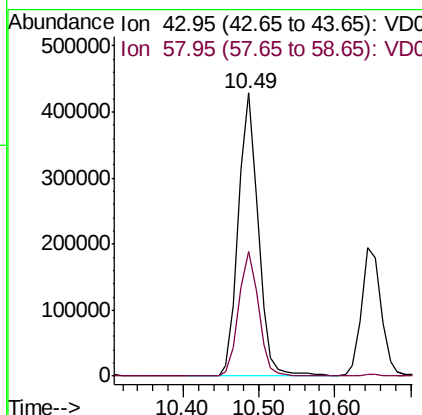
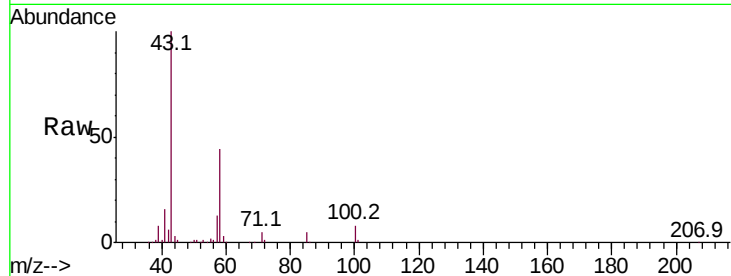




#59
2-Hexanone
Concen: 94.386 ug/l
RT: 10.49 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VD059883.D
Acq: 23 Aug 2018 12:49

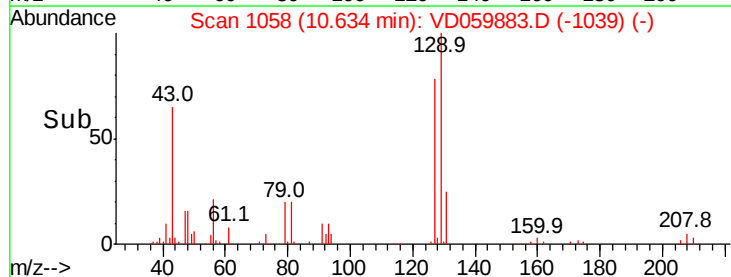
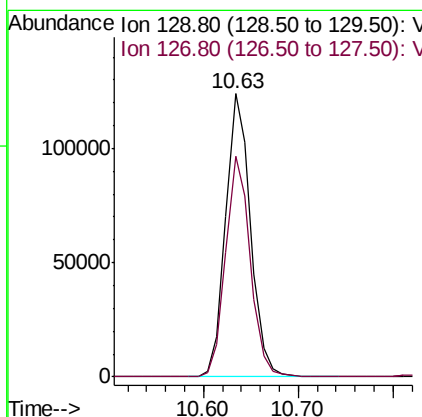
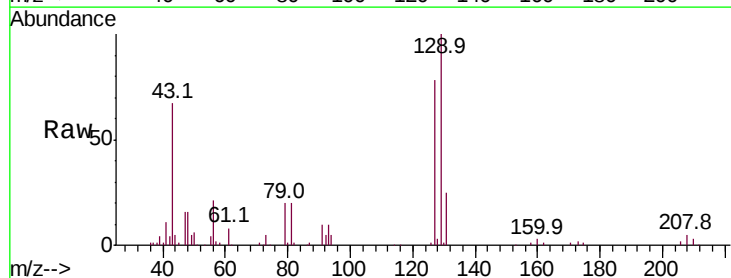
Instrument :
MSVOA_D
ClientSampleId :
VD0823SBS01

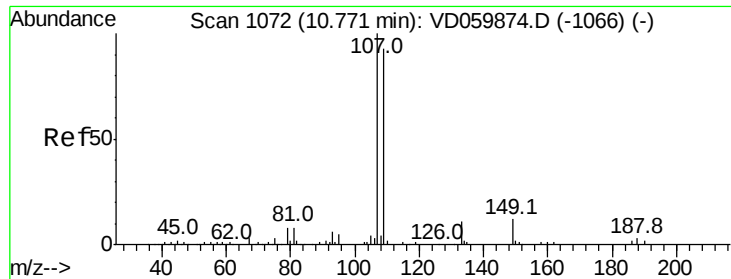
Tot Ion: 43 Resp: 770063
Ion Ratio Lower Upper
43 100
58 43.9 23.3 69.8



#60
Dibromochloromethane
Concen: 20.044 ug/l
RT: 10.63 min Scan# 1058
Delta R.T. -0.01 min
Lab File: VD059883.D
Acq: 23 Aug 2018 12:49

Tgt Ion: 129 Resp: 225036
Ion Ratio Lower Upper
129 100
127 78.2 39.1 117.2





#61

1,2-Dibromoethane

Concen: 19.838 ug/l

RT: 10.75 min Scan# 1070

Delta R.T. -0.02 min

Lab File: VD059883.D

Acq: 23 Aug 2018 12:49

Instrument :

MSVOA_D

ClientSampleId :

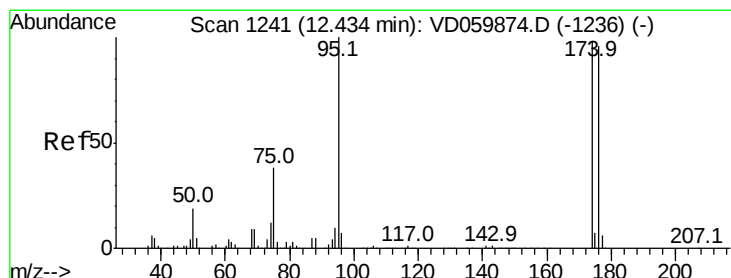
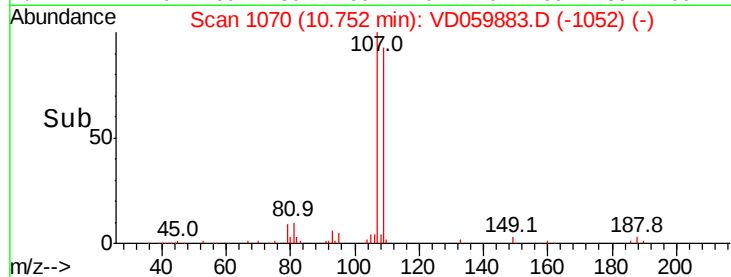
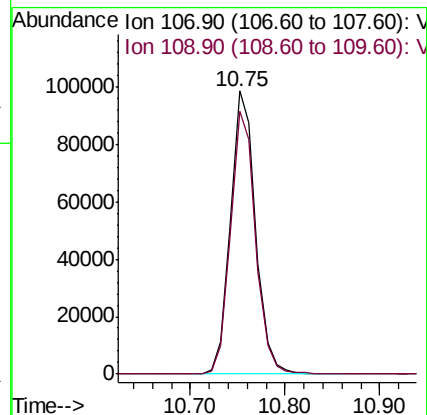
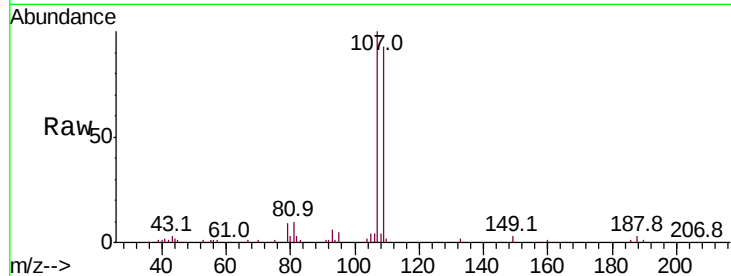
VD0823SBS01

Tot Ion:107 Resp: 179175

Ion Ratio Lower Upper

107 100

109 93.1 74.6 112.0



#62

4-Bromofluorobenzene

Concen: 19.838 ug/l

RT: 12.42 min Scan# 1240

Delta R.T. -0.01 min

Lab File: VD059883.D

Acq: 23 Aug 2018 12:49

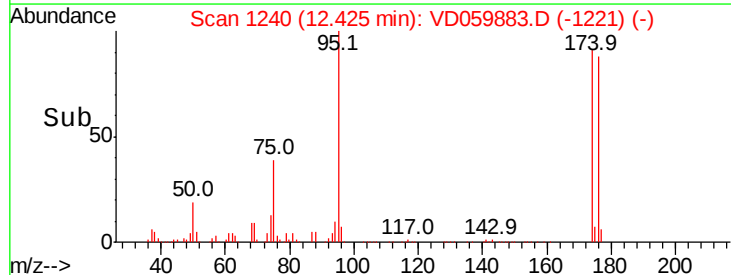
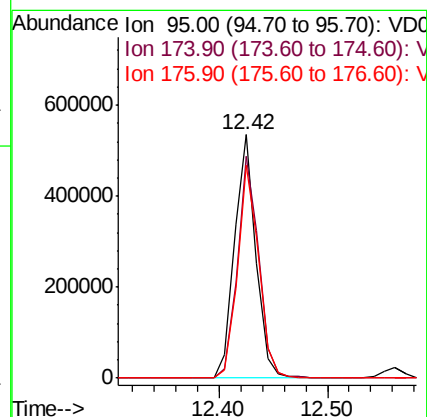
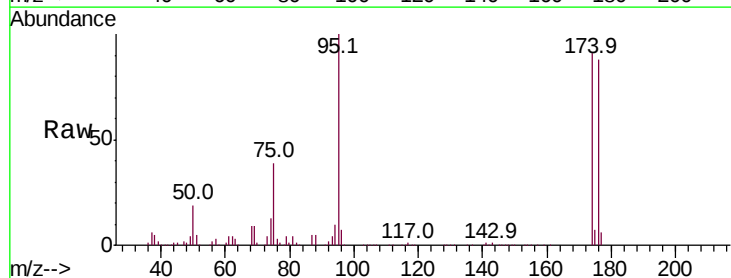
Tgt Ion: 95 Resp: 731910

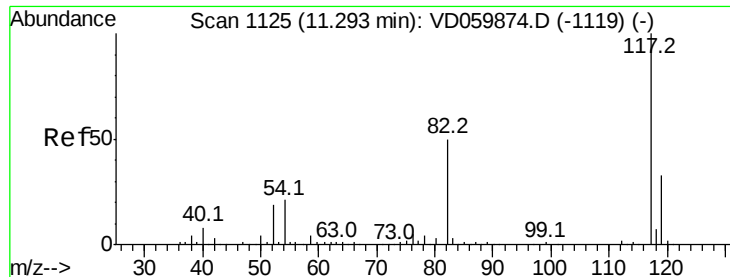
Ion Ratio Lower Upper

95 100

174 91.1 0.0 195.6

176 87.6 0.0 191.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.28 min Scan# 1124

Delta R.T. -0.01 min

Lab File: VD059883.D

Acq: 23 Aug 2018 12:49

Instrument :

MSVOA_D

ClientSampleId :

VD0823SBS01

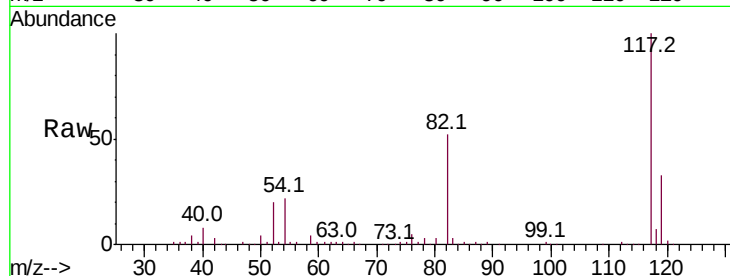
Tot Ion:117 Resp: 1337444

Ion Ratio Lower Upper

117 100

82 52.0 40.1 60.1

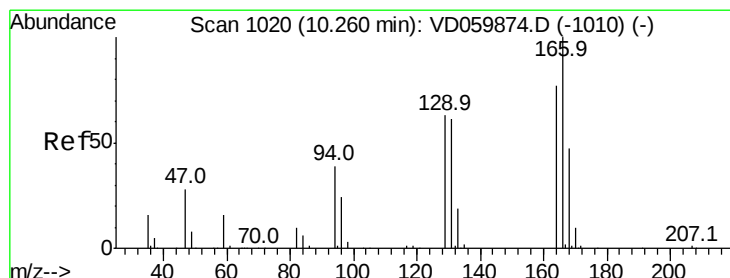
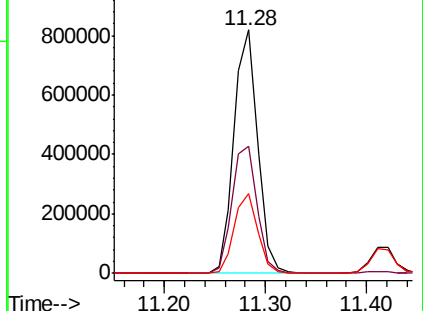
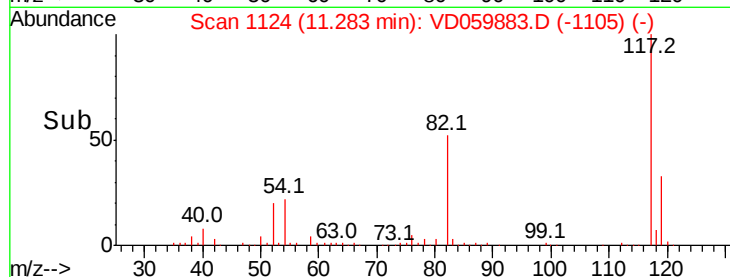
119 32.9 26.7 40.1



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: 20.045 ug/l

RT: 10.25 min Scan# 1019

Delta R.T. -0.01 min

Lab File: VD059883.D

Acq: 23 Aug 2018 12:49

Tgt Ion:164 Resp: 207291

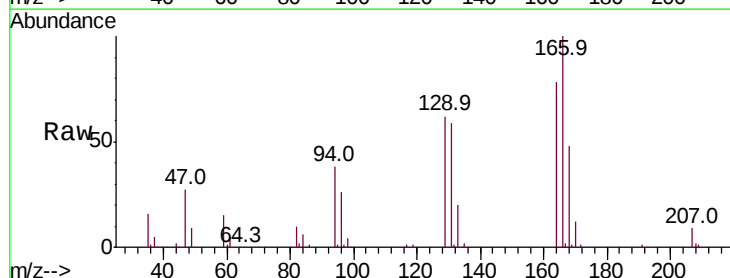
Ion Ratio Lower Upper

164 100

166 128.1 103.4 155.2

129 78.9 65.2 97.8

131 75.3 63.1 94.7

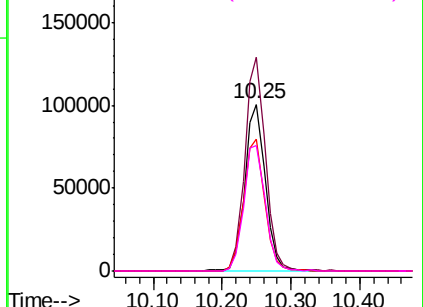
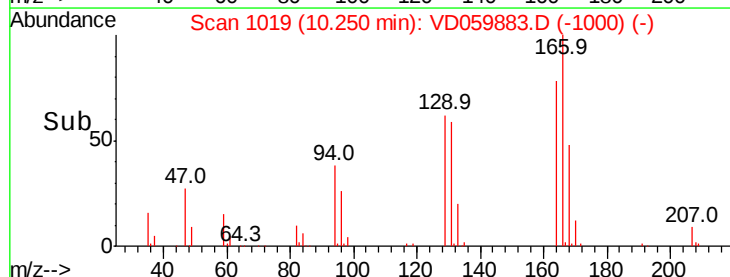


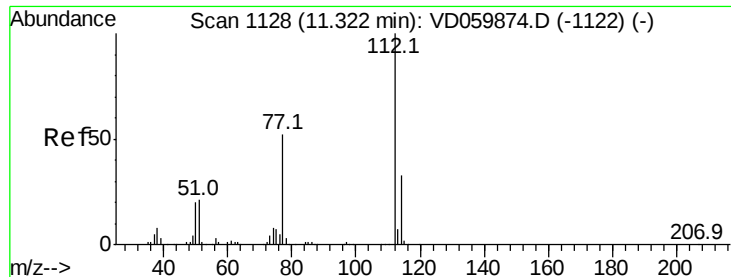
Abundance Ion 163.85 (163.55 to 164.55): V

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: 20.653 ug/l

RT: 11.31 min Scan# 1127

Delta R.T. -0.01 min

Lab File: VD059883.D

Acq: 23 Aug 2018 12:49

Instrument :

MSVOA_D

ClientSampleId :

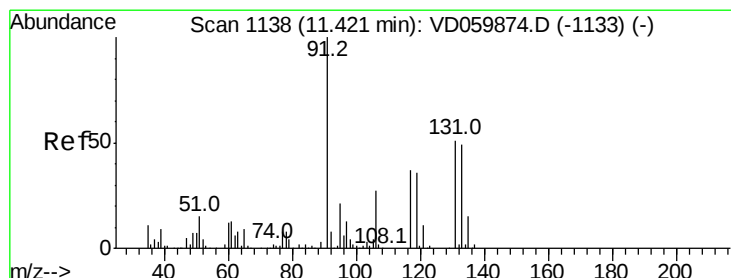
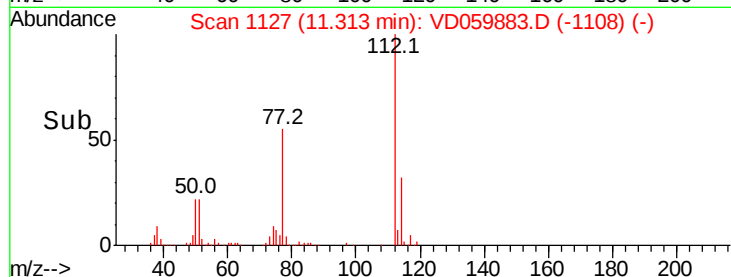
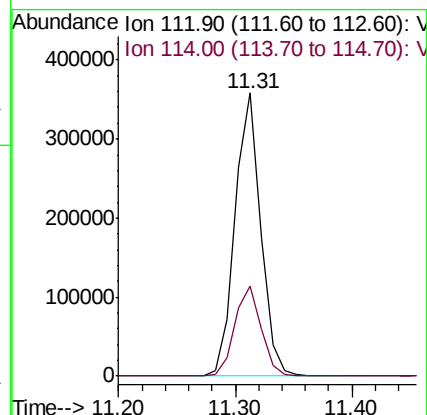
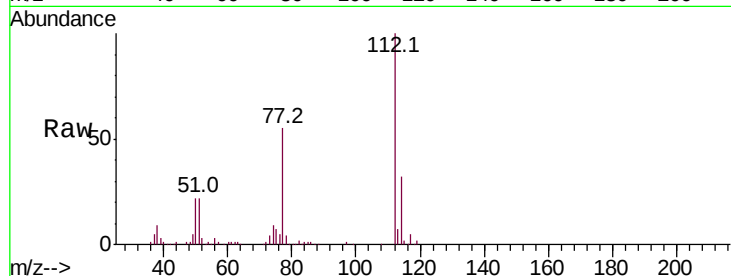
VD0823SBS01

Tot Ion:112 Resp: 548910

Ion Ratio Lower Upper

112 100

114 31.8 26.4 39.6



#66

1,1,1,2-Tetrachloroethane

Concen: 21.771 ug/l

RT: 11.42 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VD059883.D

Acq: 23 Aug 2018 12:49

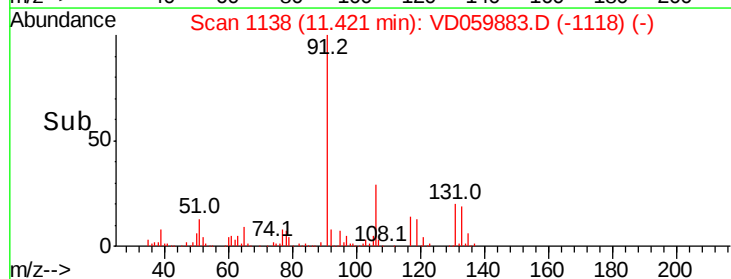
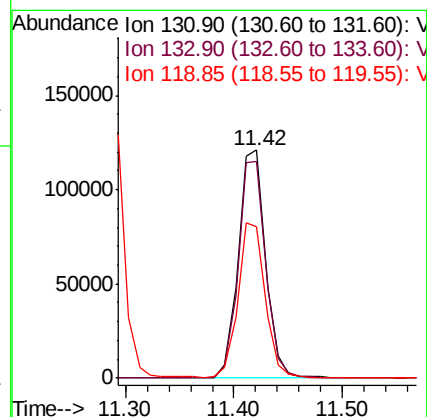
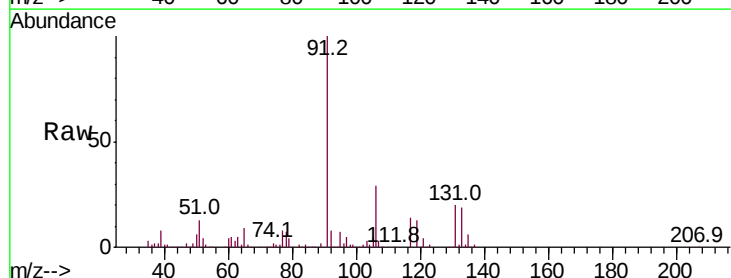
Tgt Ion:131 Resp: 211391

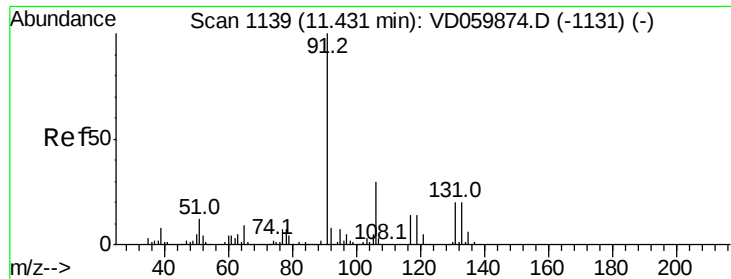
Ion Ratio Lower Upper

131 100

133 95.2 48.3 144.8

119 66.6 35.4 106.3

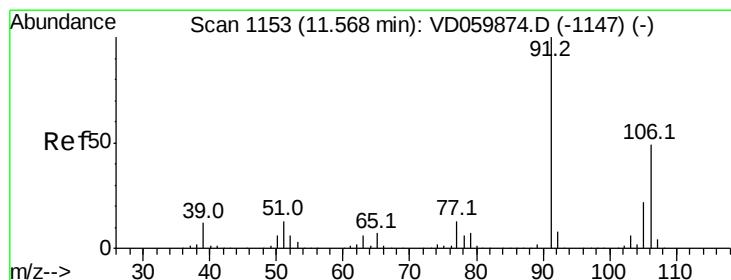
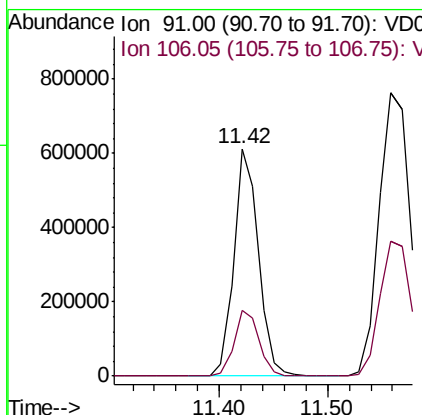
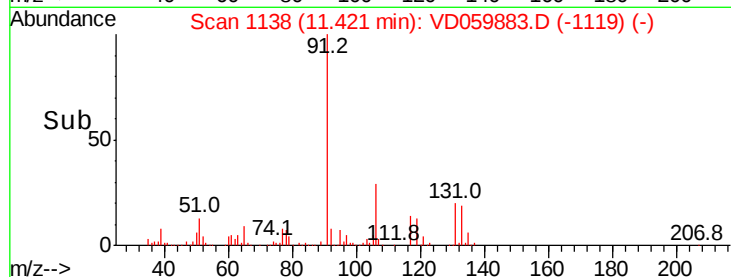
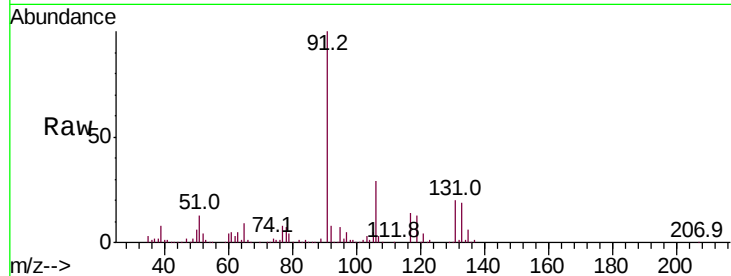




#67
Ethyl Benzene
Concen: 21.655 ug/l
RT: 11.42 min Scan# 1138
Delta R.T. -0.01 min
Lab File: VD059883.D
Acq: 23 Aug 2018 12:49

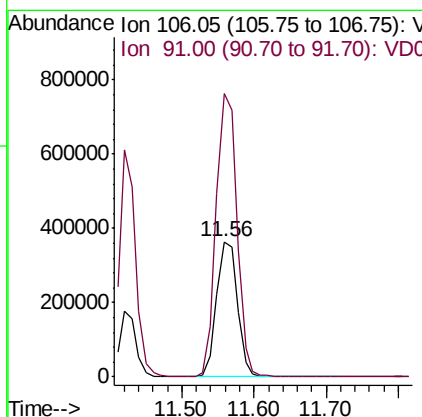
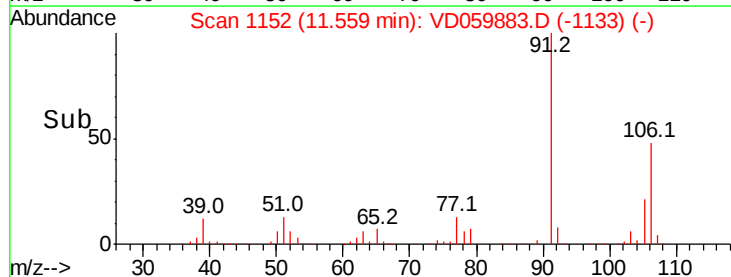
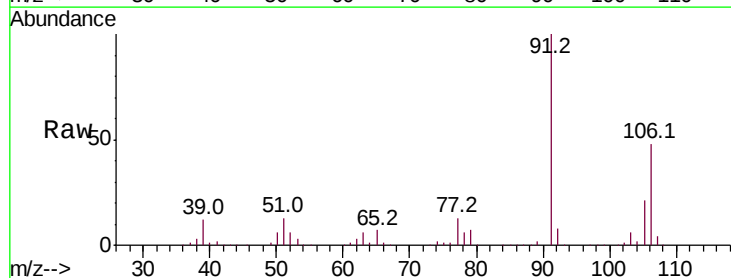
Instrument :
MSVOA_D
ClientSampleId :
VD0823SBS01

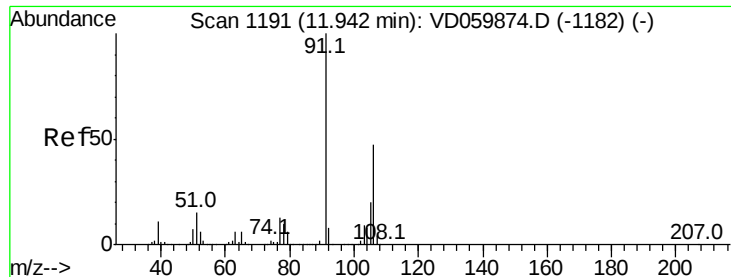
Tot Ion: 91 Resp: 968244
Ion Ratio Lower Upper
91 100
106 28.8 23.8 35.8



#68
m/p-Xylenes
Concen: 44.603 ug/l
RT: 11.56 min Scan# 1152
Delta R.T. -0.01 min
Lab File: VD059883.D
Acq: 23 Aug 2018 12:49

Tgt Ion:106 Resp: 726113
Ion Ratio Lower Upper
106 100
91 209.0 162.0 243.0

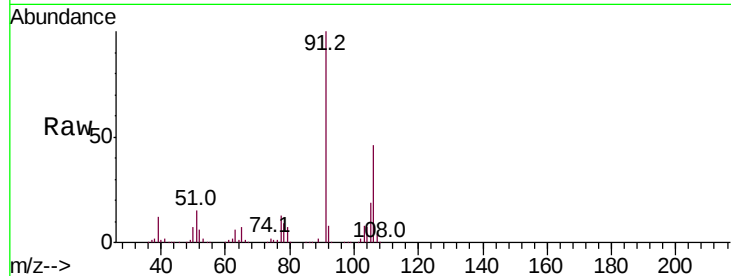




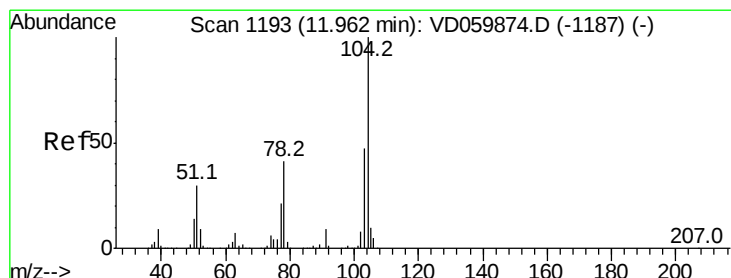
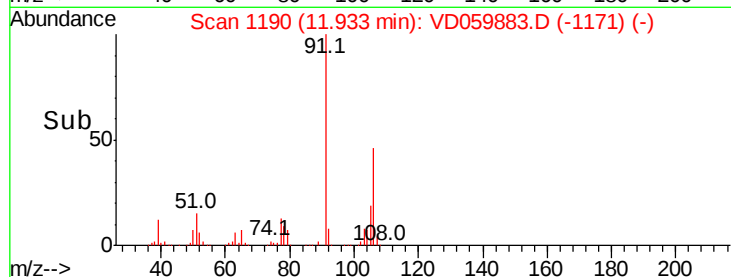
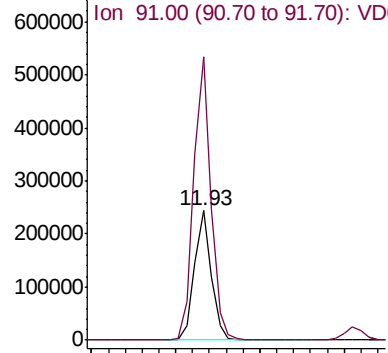
#69
o-Xylene
Concen: 21.250 ug/l
RT: 11.93 min Scan# 1190
Delta R.T. -0.01 min
Lab File: VD059883.D
Acq: 23 Aug 2018 12:49

Instrument :
MSVOA_D
ClientSampleId :
VD0823SBS01

Tot Ion:106 Resp: 338351
Ion Ratio Lower Upper
106 100
91 219.1 107.3 322.0

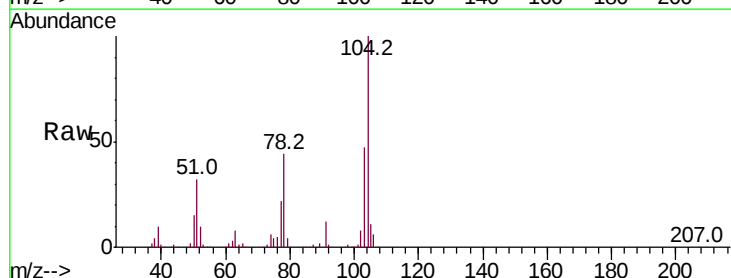


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

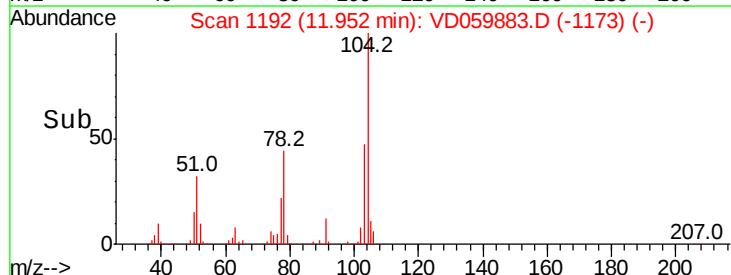
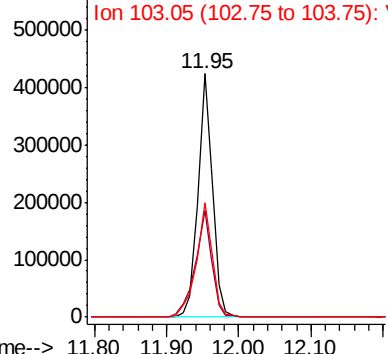


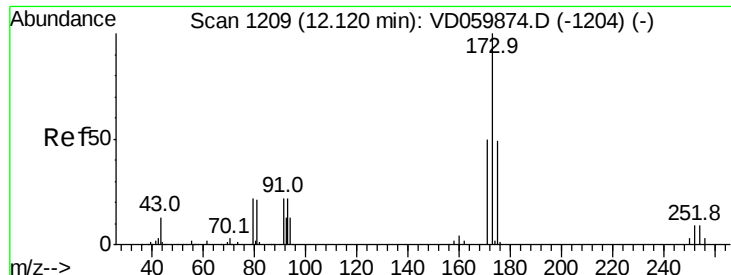
#70
Styrene
Concen: 21.420 ug/l
RT: 11.95 min Scan# 1192
Delta R.T. -0.01 min
Lab File: VD059883.D
Acq: 23 Aug 2018 12:49

Tgt Ion:104 Resp: 590548
Ion Ratio Lower Upper
104 100
78 43.7 32.6 49.0
103 46.7 37.7 56.5



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

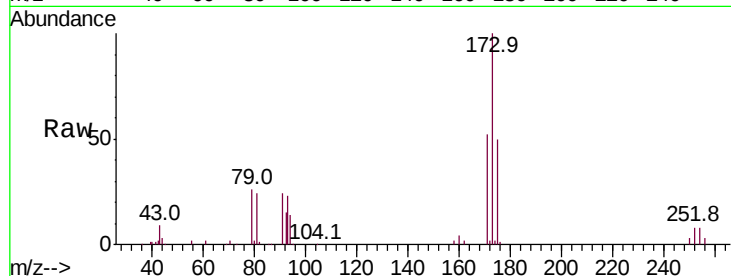




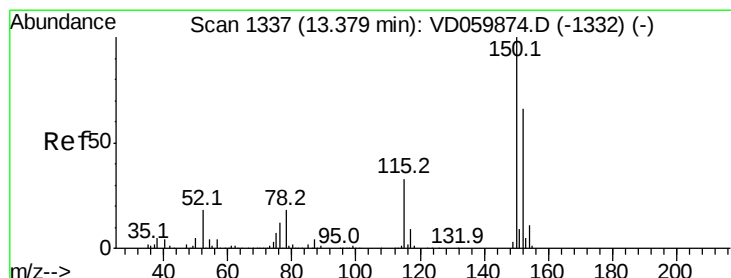
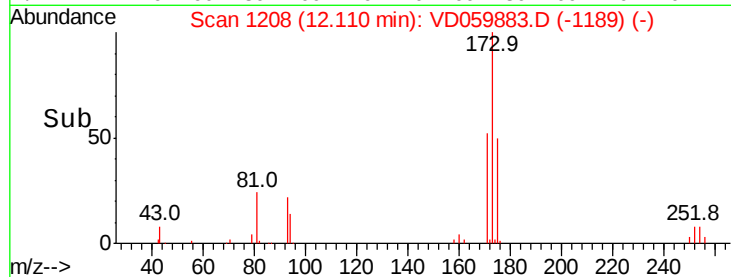
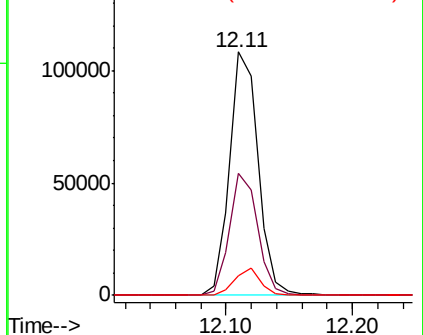
#71
Bromoform
Concen: 20.098 ug/l
RT: 12.11 min Scan# 1208
Delta R.T. -0.01 min
Lab File: VD059883.D
Acq: 23 Aug 2018 12:49

Instrument :
MSVOA_D
ClientSampleId :
VD0823SBS01

Tot Ion:173 Resp: 168851
Ion Ratio Lower Upper
173 100
175 50.3 24.3 73.0
254 8.0 7.0 10.6

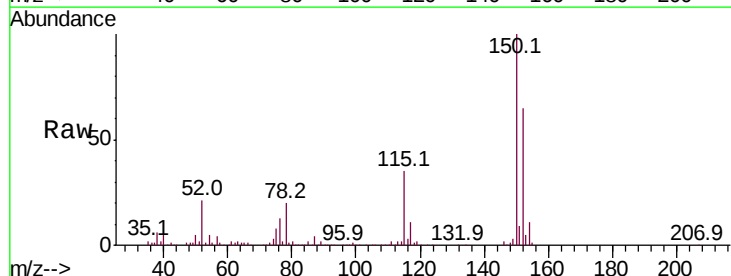


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

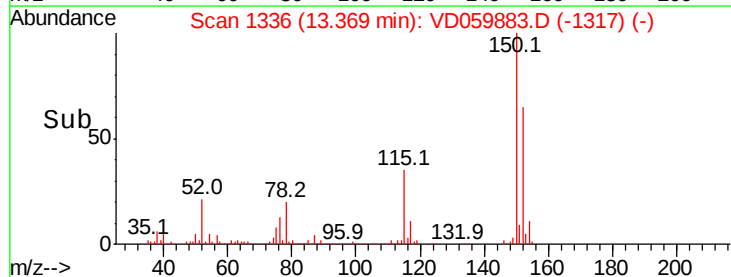
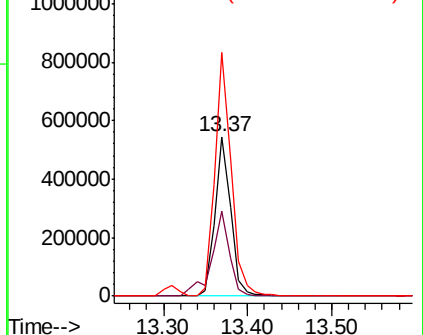


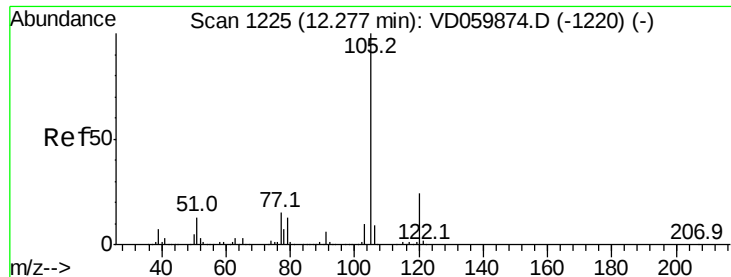
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.37 min Scan# 1336
Delta R.T. -0.01 min
Lab File: VD059883.D
Acq: 23 Aug 2018 12:49

Tgt Ion:152 Resp: 704708
Ion Ratio Lower Upper
152 100
115 53.5 25.7 77.0
150 153.0 0.0 310.2



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





#73

Isopropylbenzene

Concen: 20.751 ug/l

RT: 12.28 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VD059883.D

Acq: 23 Aug 2018 12:49

Instrument :

MSVOA_D

ClientSampleId :

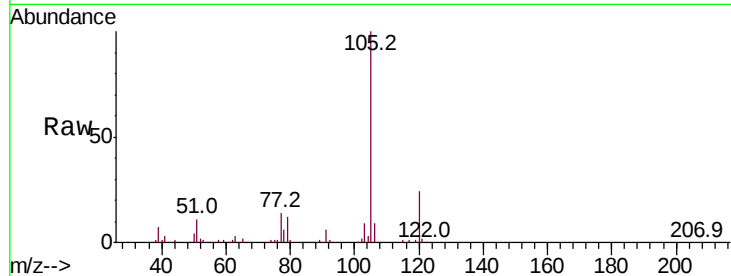
VD0823SBS01

Tot Ion:105 Resp: 933485

Ion Ratio Lower Upper

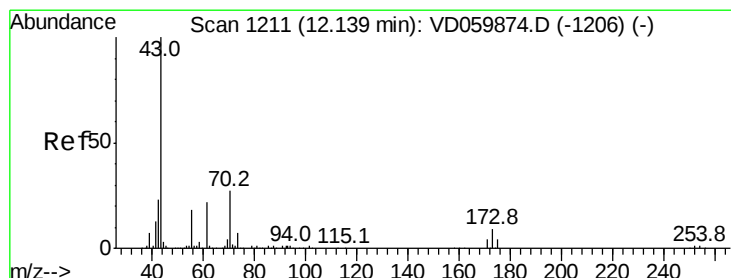
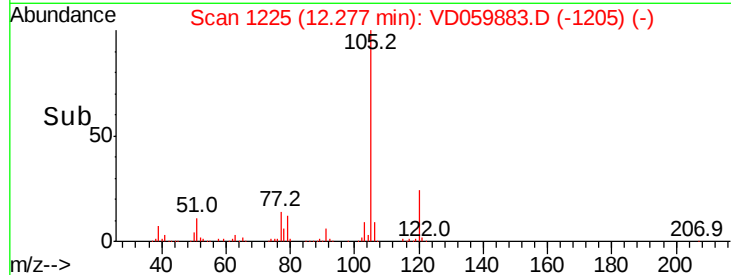
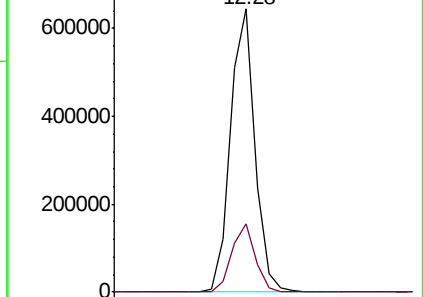
105 100

120 24.2 11.8 35.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 20.442 ug/l

RT: 12.13 min Scan# 1210

Delta R.T. -0.01 min

Lab File: VD059883.D

Acq: 23 Aug 2018 12:49

Tgt Ion: 43 Resp: 402650

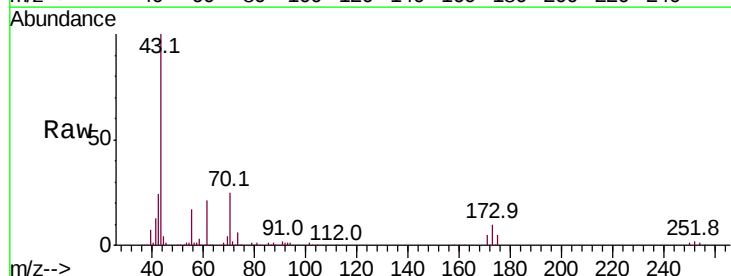
Ion Ratio Lower Upper

43 100

70 24.6 21.4 32.2

55 17.0 14.1 21.1

61 21.2 17.8 26.8

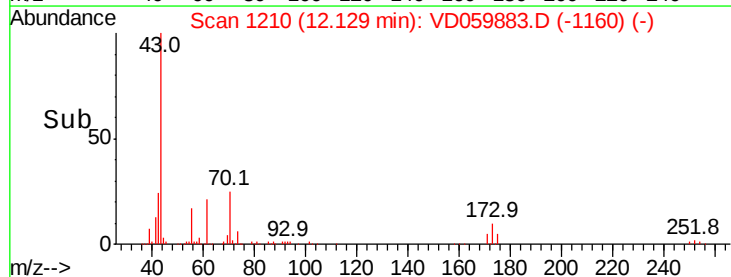
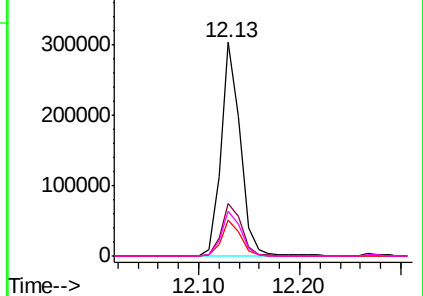


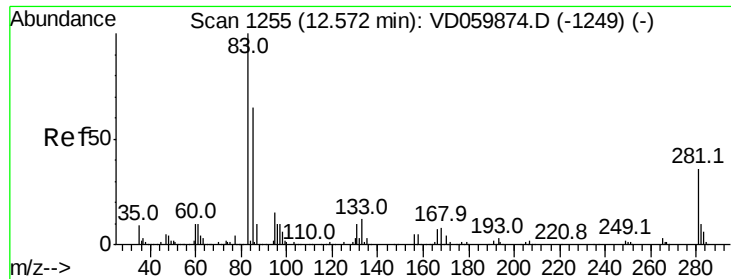
Abundance Ion 42.95 (42.65 to 43.65): VDC

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





#75

1,1,2,2-Tetrachloroethane

Concen: 20.486 ug/l

RT: 12.56 min Scan# 1254

Delta R.T. -0.01 min

Lab File: VD059883.D

Acq: 23 Aug 2018 12:49

Instrument :

MSVOA_D

ClientSampleId :

VD0823SBS01

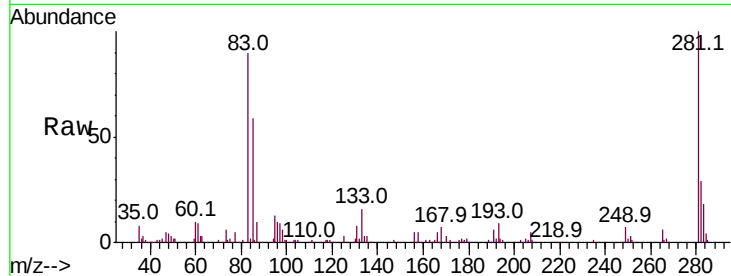
Tot Ion: 83 Resp: 213164

Ion Ratio Lower Upper

83 100

131 8.4 4.8 14.4

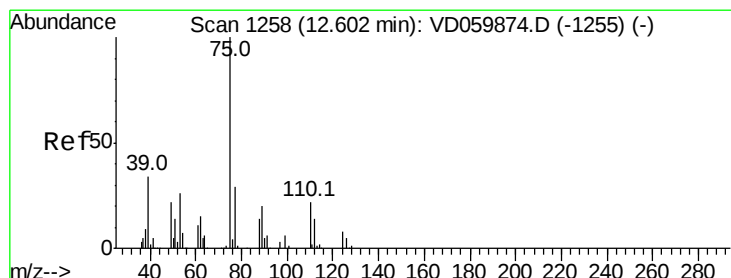
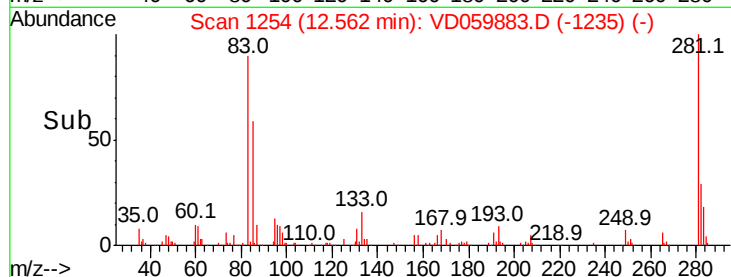
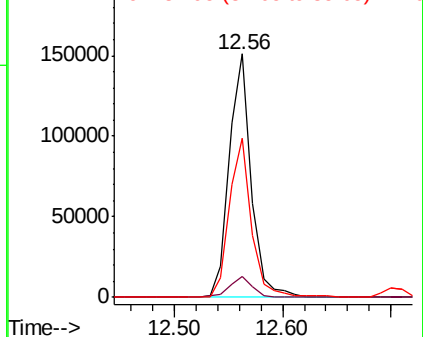
85 65.6 32.6 97.8



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: 21.294 ug/l

RT: 12.59 min Scan# 1257

Delta R.T. -0.01 min

Lab File: VD059883.D

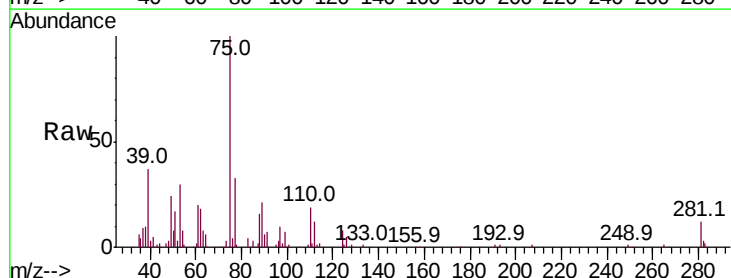
Acq: 23 Aug 2018 12:49

Tgt Ion: 75 Resp: 233231

Ion Ratio Lower Upper

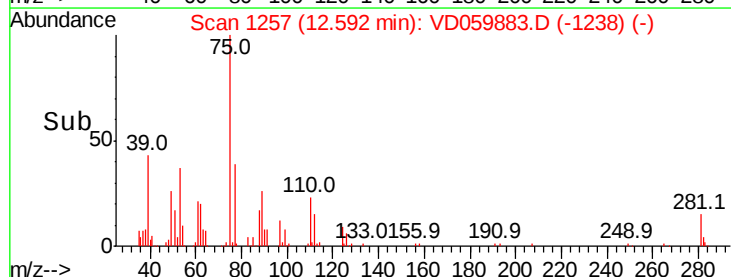
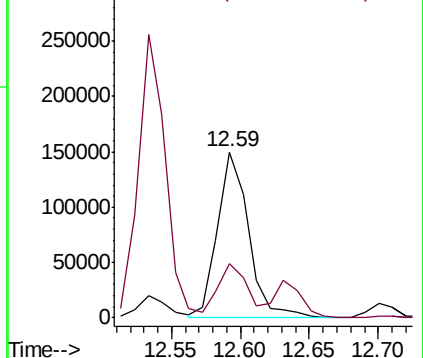
75 100

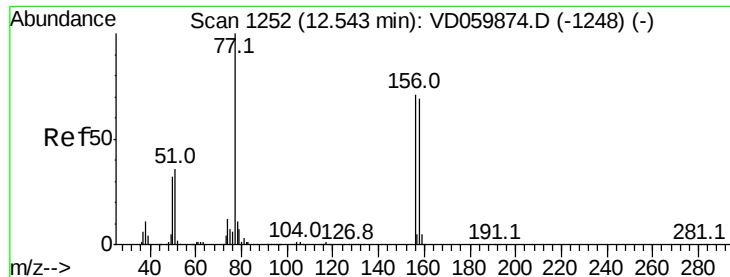
77 33.1 16.4 49.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 20.774 ug/l

RT: 12.54 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VD059883.D

Acq: 23 Aug 2018 12:49

Instrument :

MSVOA_D

ClientSampleId :

VD0823SBS01

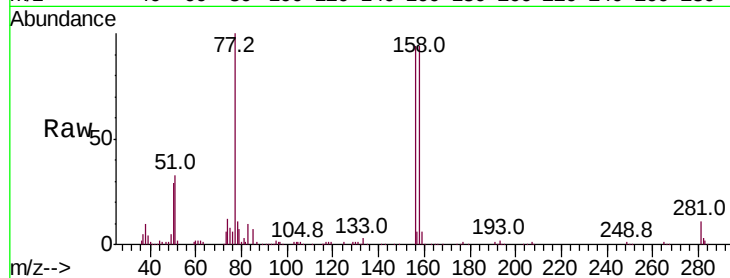
Tot Ion:156 Resp: 259095

Ion Ratio Lower Upper

156 100

77 105.9 70.2 210.4

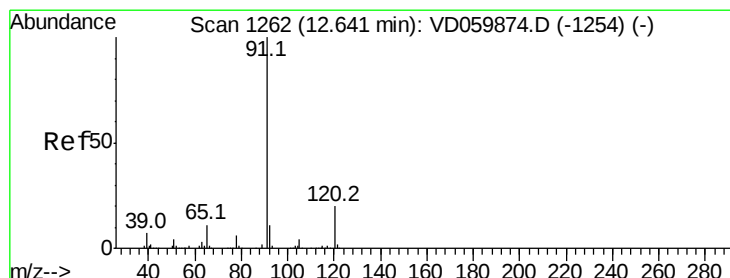
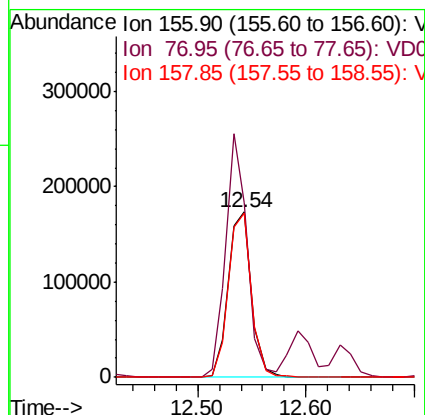
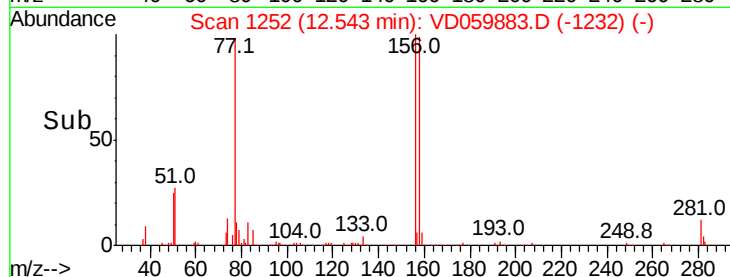
158 99.3 48.4 145.2



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 22.311 ug/l

RT: 12.63 min Scan# 1261

Delta R.T. -0.01 min

Lab File: VD059883.D

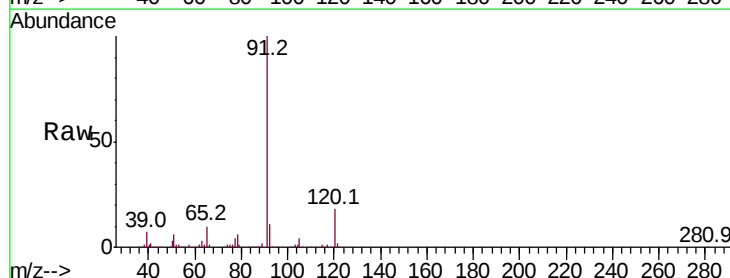
Acq: 23 Aug 2018 12:49

Tgt Ion: 91 Resp: 1270905

Ion Ratio Lower Upper

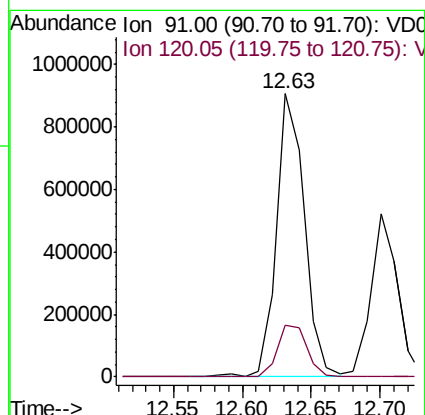
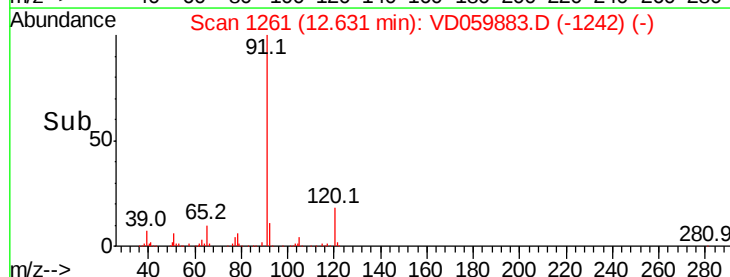
91 100

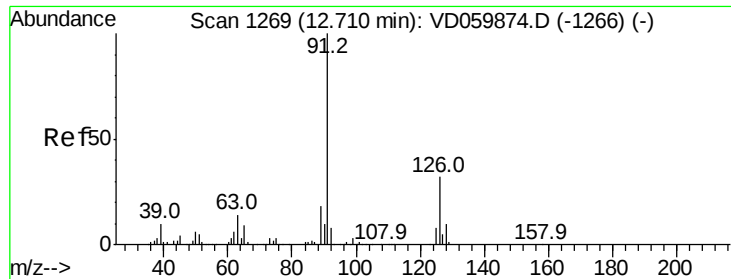
120 18.2 10.1 30.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 21.797 ug/l

RT: 12.70 min Scan# 1268

Delta R.T. -0.01 min

Lab File: VD059883.D

Acq: 23 Aug 2018 12:49

Instrument :

MSVOA_D

ClientSampleId :

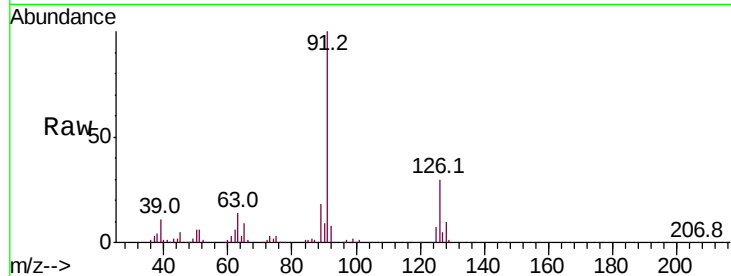
VD0823SBS01

Tot Ion: 91 Resp: 702175

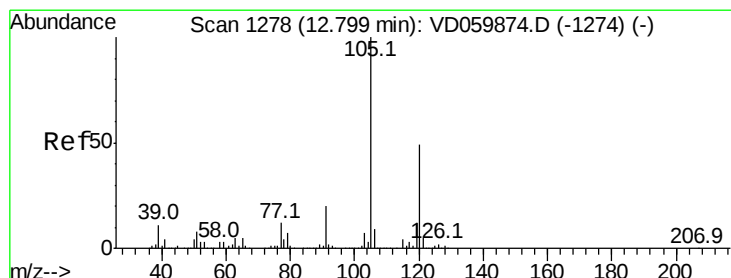
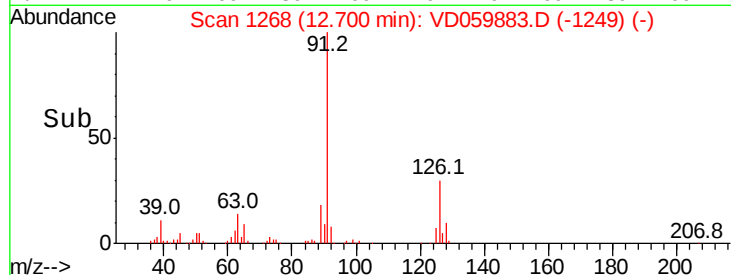
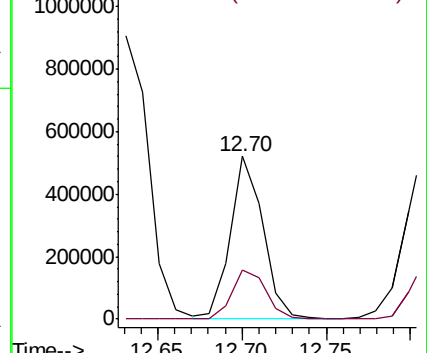
Ion Ratio Lower Upper

91 100

126 30.1 16.1 48.2



Abundance Ion 91.00 (90.70 to 91.70): VD059883.D (-1266) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.819 ug/l

RT: 12.79 min Scan# 1277

Delta R.T. -0.01 min

Lab File: VD059883.D

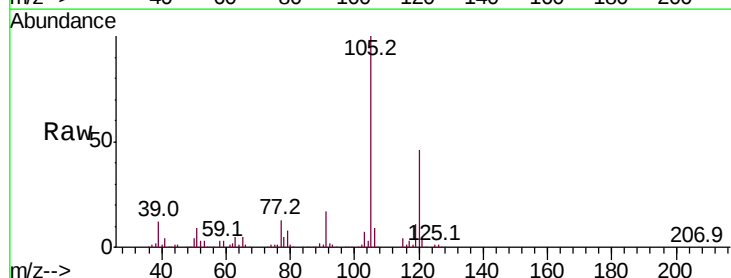
Acq: 23 Aug 2018 12:49

Tgt Ion:105 Resp: 780352

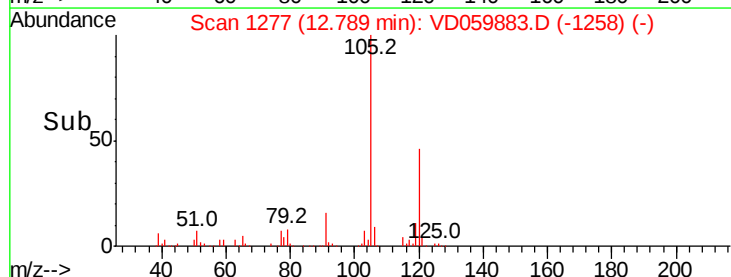
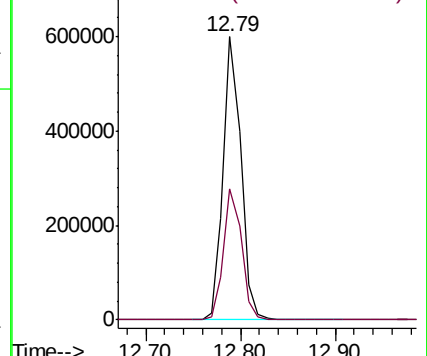
Ion Ratio Lower Upper

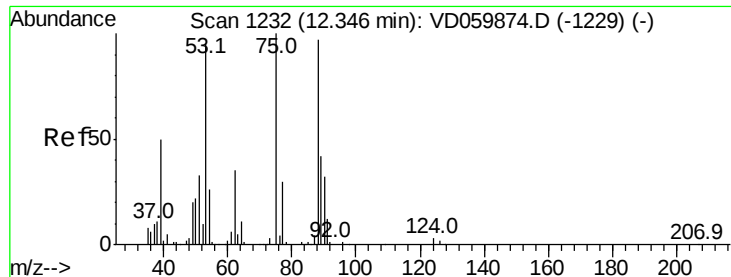
105 100

120 46.5 24.5 73.5



Abundance Ion 105.05 (104.75 to 105.75): VD059883.D (-1274) (-)

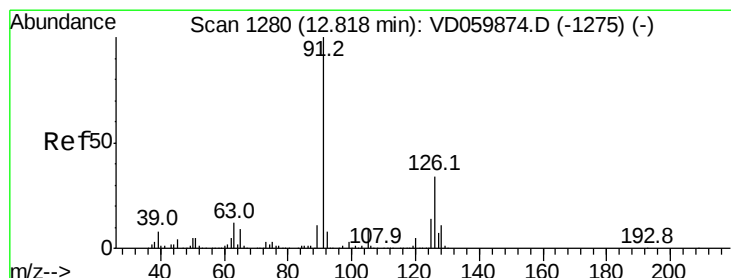
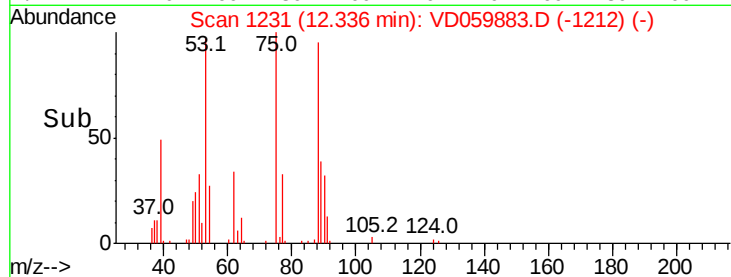
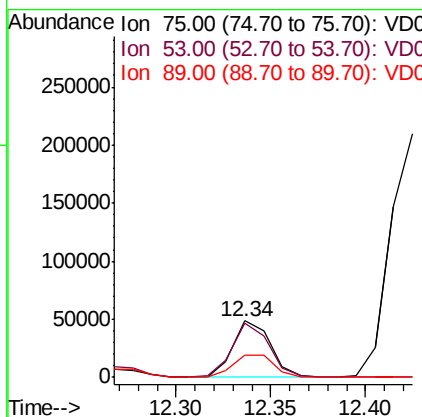
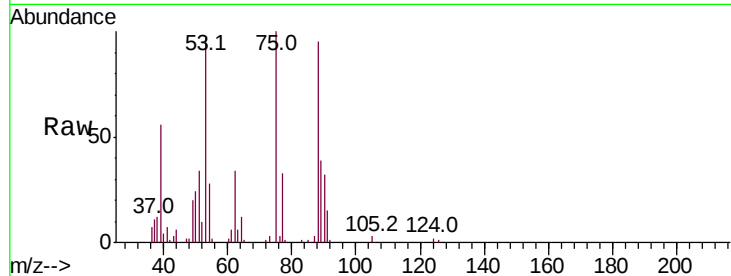




#81
trans-1,4-Dichloro-2-butene
Concen: 19.906 ug/l
RT: 12.34 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VD059883.D
Acq: 23 Aug 2018 12:49

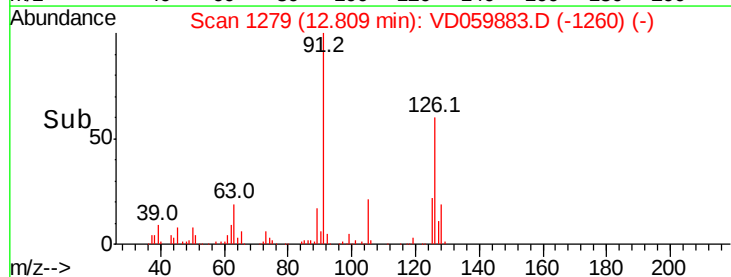
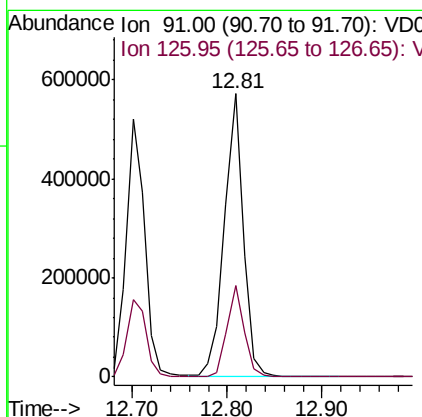
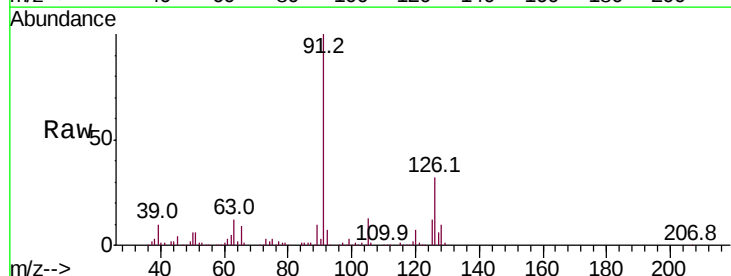
Instrument :
MSVOA_D
ClientSampleId :
VD0823SBS01

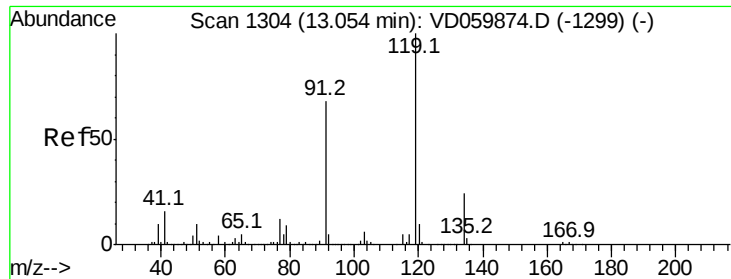
Tot Ion: 75 Resp: 67820
Ion Ratio Lower Upper
75 100
53 96.9 75.8 113.6
89 39.4 33.6 50.4



#82
4-Chlorotoluene
Concen: 21.503 ug/l
RT: 12.81 min Scan# 1279
Delta R.T. -0.01 min
Lab File: VD059883.D
Acq: 23 Aug 2018 12:49

Tgt Ion: 91 Resp: 790102
Ion Ratio Lower Upper
91 100
126 32.4 17.1 51.2





#83

tert-Butylbenzene

Concen: 21.366 ug/l

RT: 13.04 min Scan# 1303

Delta R.T. -0.01 min

Lab File: VD059883.D

Acq: 23 Aug 2018 12:49

Instrument :

MSVOA_D

ClientSampleId :

VD0823SBS01

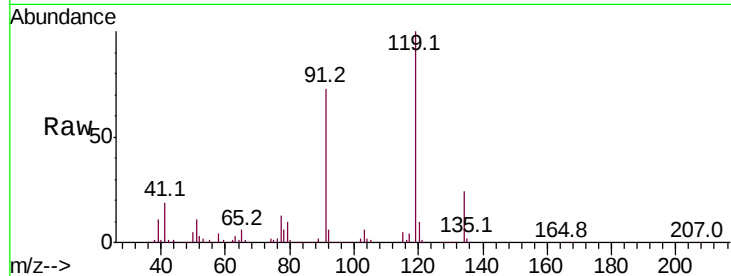
Tot Ion:119 Resp: 870478

Ion Ratio Lower Upper

119 100

91 72.8 34.3 102.9

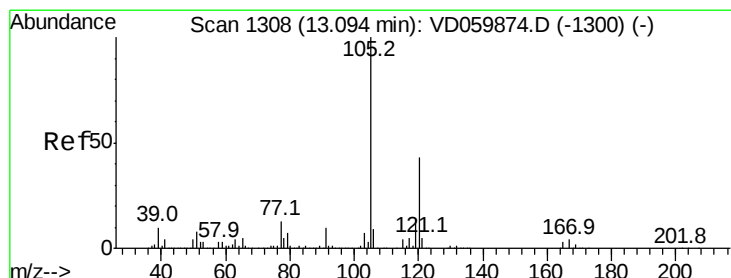
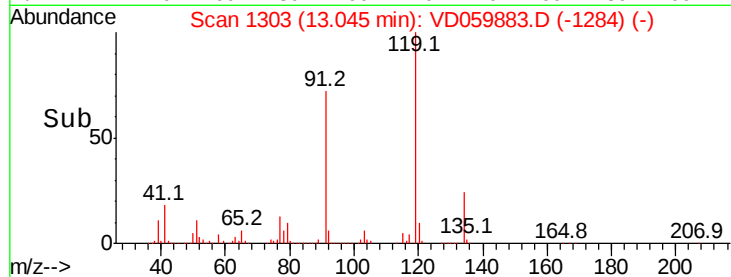
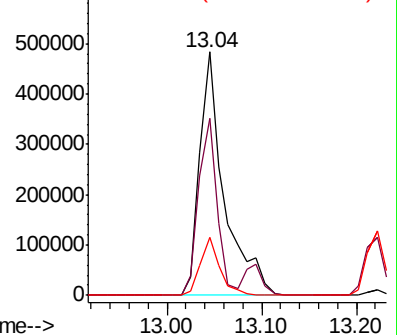
134 24.0 11.9 35.9



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 21.072 ug/l

RT: 13.09 min Scan# 1308

Delta R.T. 0.00 min

Lab File: VD059883.D

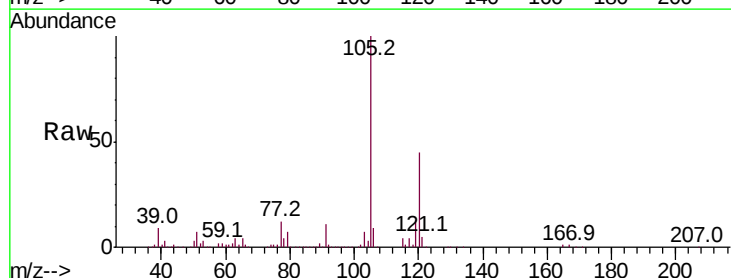
Acq: 23 Aug 2018 12:49

Tgt Ion:105 Resp: 785526

Ion Ratio Lower Upper

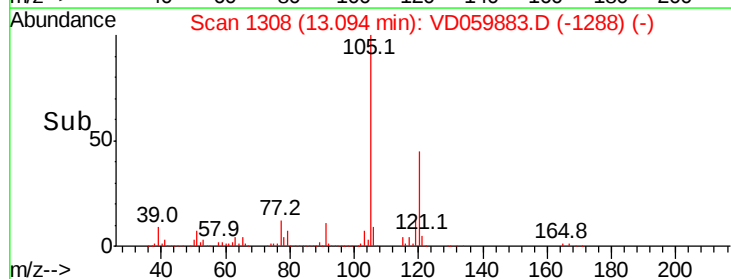
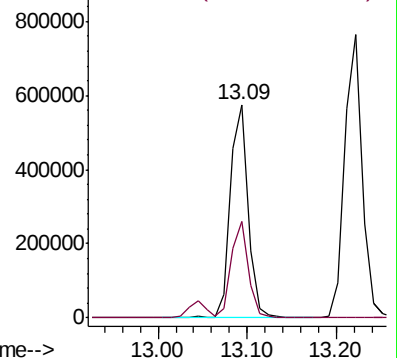
105 100

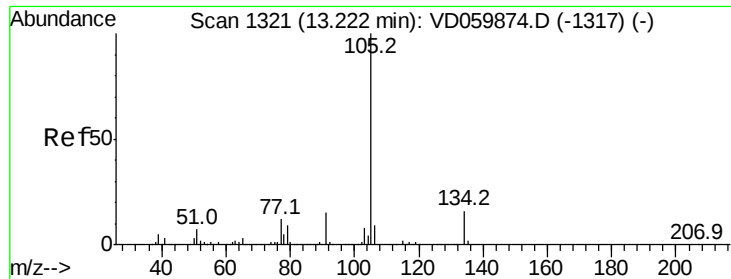
120 45.3 21.8 65.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

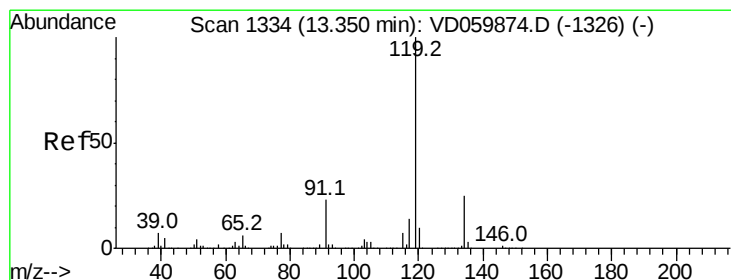
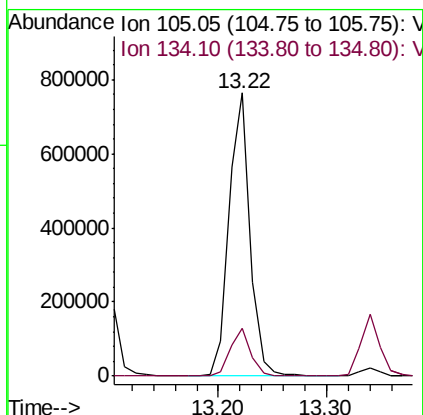
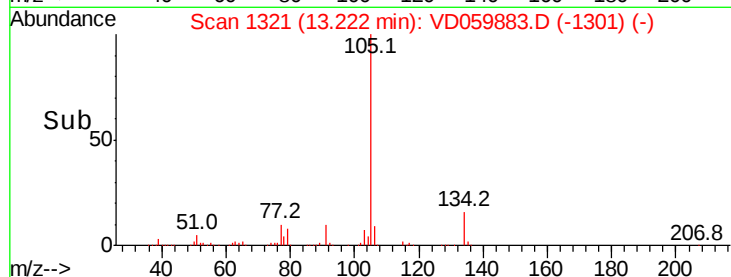
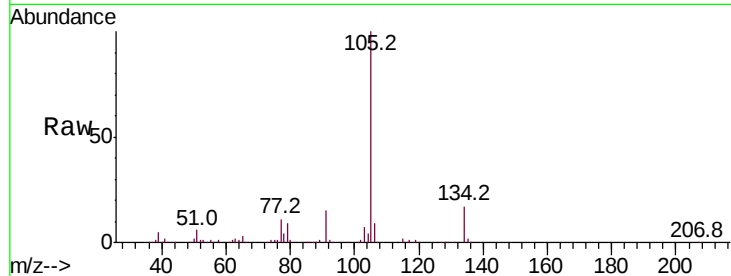




#85
 sec-Butylbenzene
 Concen: 21.380 ug/l
 RT: 13.22 min Scan# 1321
 Delta R.T. 0.00 min
 Lab File: VD059883.D
 Acq: 23 Aug 2018 12:49

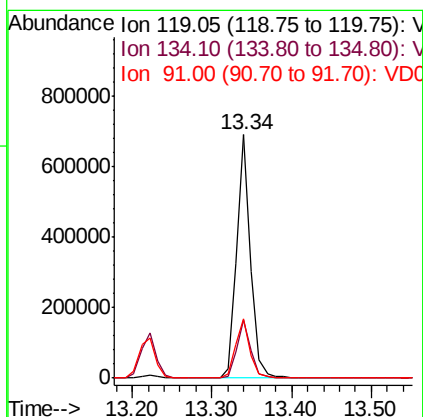
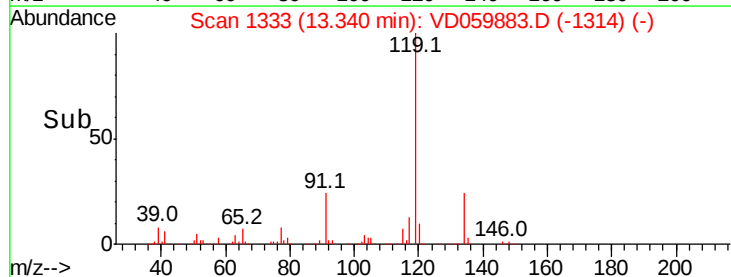
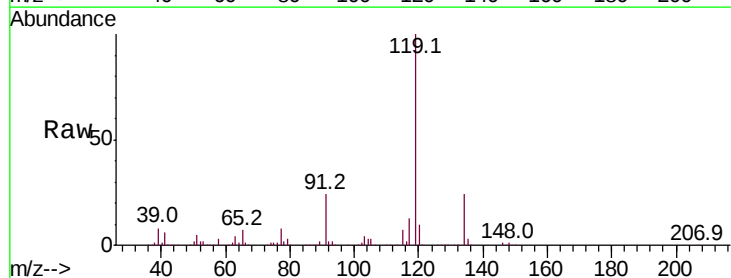
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0823SBS01

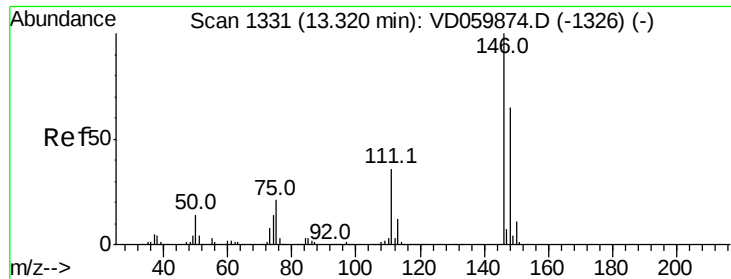
Tot Ion:105 Resp: 1024317
 Ion Ratio Lower Upper
 105 100
 134 16.9 8.2 24.4



#86
 p-Isopropyltoluene
 Concen: 21.591 ug/l
 RT: 13.34 min Scan# 1333
 Delta R.T. -0.01 min
 Lab File: VD059883.D
 Acq: 23 Aug 2018 12:49

Tgt Ion:119 Resp: 841310
 Ion Ratio Lower Upper
 119 100
 134 24.0 12.7 38.1
 91 24.4 11.7 35.0





#87

1,3-Dichlorobenzene

Concen: 21.084 ug/l

RT: 13.31 min Scan# 1330

Delta R.T. -0.01 min

Lab File: VD059883.D

Acq: 23 Aug 2018 12:49

Instrument :

MSVOA_D

ClientSampleId :

VD0823SBS01

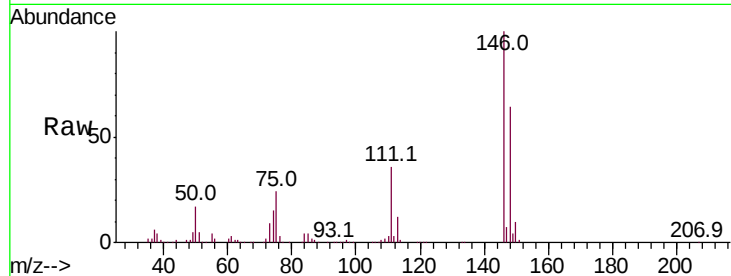
Tot Ion:146 Resp: 469478

Ion Ratio Lower Upper

146 100

111 35.6 17.9 53.7

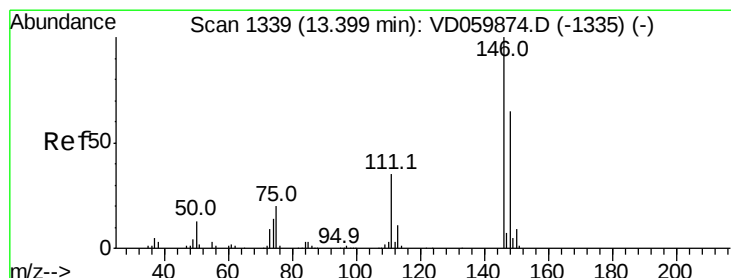
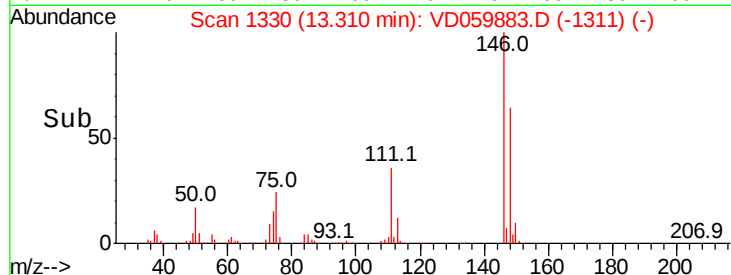
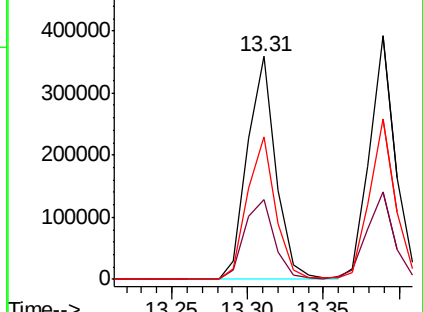
148 64.0 32.4 97.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 21.156 ug/l

RT: 13.39 min Scan# 1338

Delta R.T. -0.01 min

Lab File: VD059883.D

Acq: 23 Aug 2018 12:49

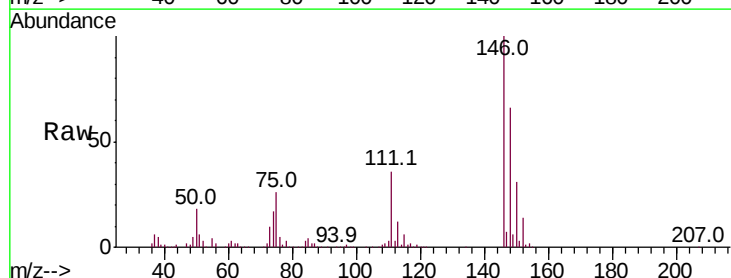
Tgt Ion:146 Resp: 469987

Ion Ratio Lower Upper

146 100

111 35.7 17.5 52.6

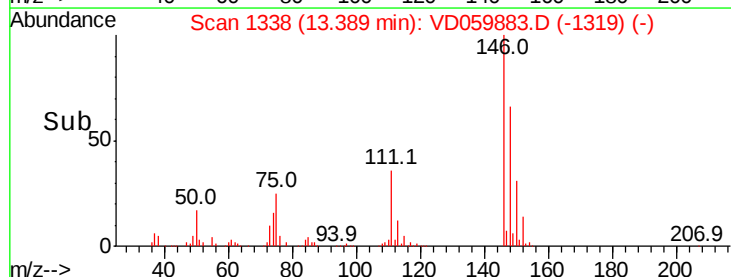
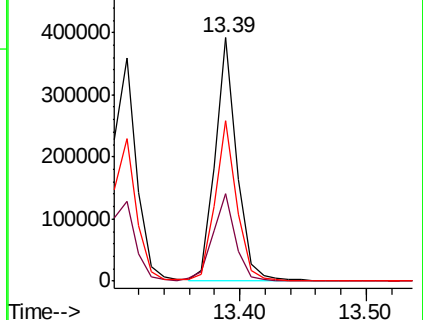
148 65.8 32.5 97.5

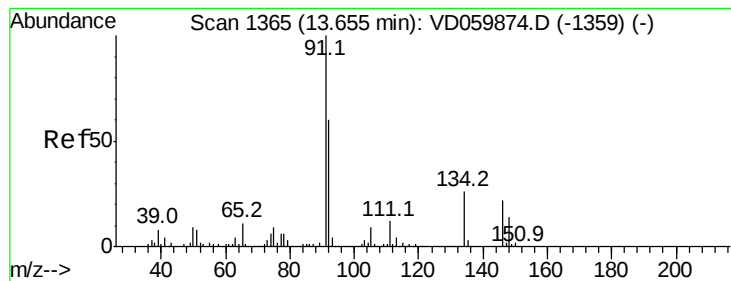


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 20.737 ug/l

RT: 13.64 min Scan# 1364

Delta R.T. -0.01 min

Lab File: VD059883.D

Acq: 23 Aug 2018 12:49

Instrument :

MSVOA_D

ClientSampleId :

VD0823SBS01

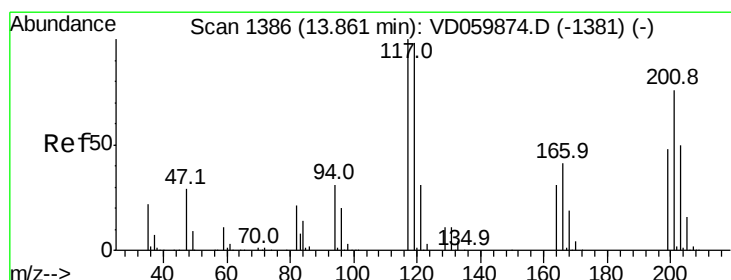
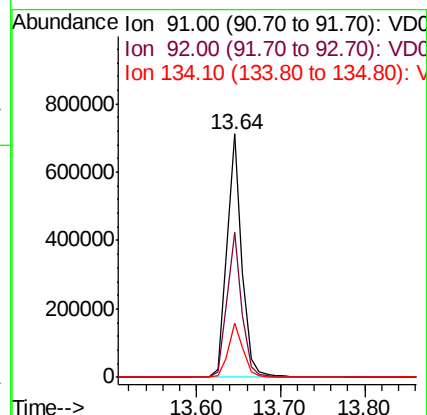
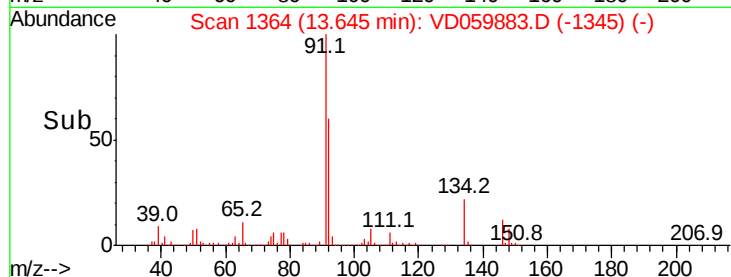
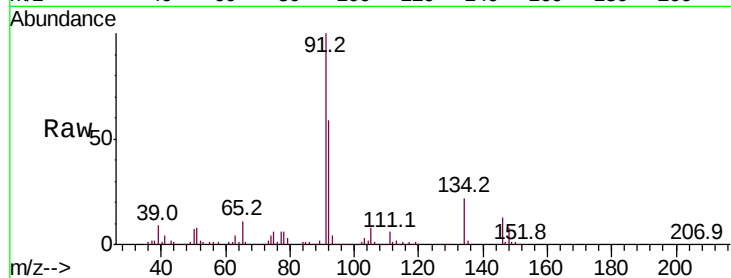
Tot Ion: 91 Resp: 871352

Ion Ratio Lower Upper

91 100

92 59.5 30.0 90.1

134 22.2 12.8 38.4



#90

Hexachloroethane

Concen: 20.264 ug/l

RT: 13.85 min Scan# 1385

Delta R.T. -0.01 min

Lab File: VD059883.D

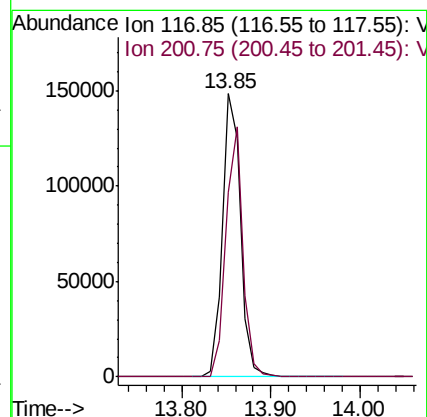
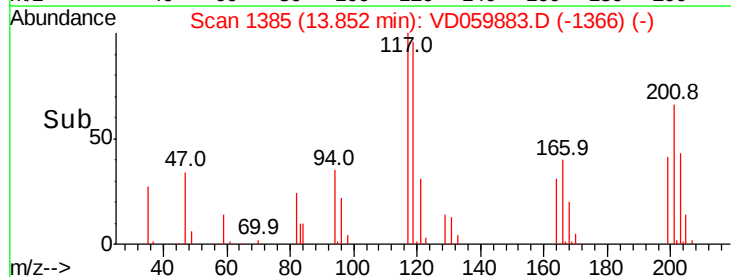
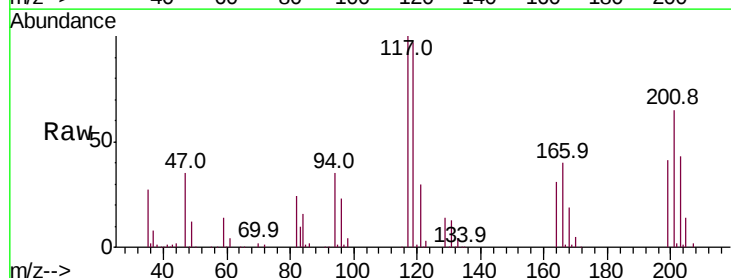
Acq: 23 Aug 2018 12:49

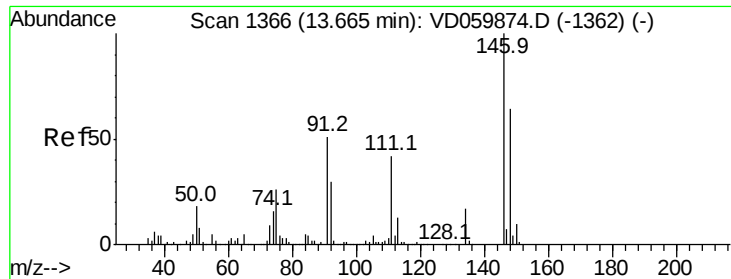
Tgt Ion: 117 Resp: 212012

Ion Ratio Lower Upper

117 100

201 65.4 38.1 114.5





#91

1,2-Dichlorobenzene

Concen: 21.686 ug/l

RT: 13.65 min Scan# 1365

Delta R.T. -0.01 min

Lab File: VD059883.D

Acq: 23 Aug 2018 12:49

Instrument :

MSVOA_D

ClientSampleId :

VD0823SBS01

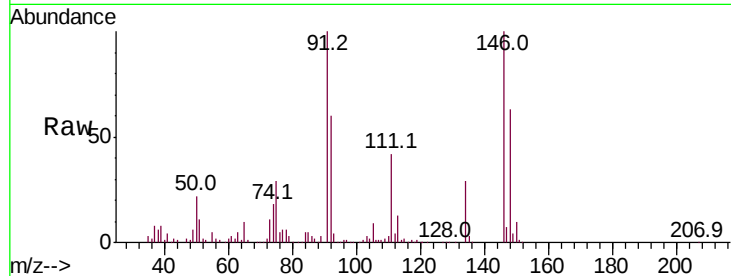
Tot Ion:146 Resp: 410594

Ion Ratio Lower Upper

146 100

111 42.1 21.1 63.1

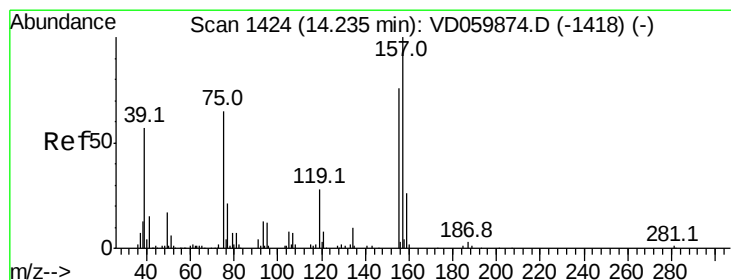
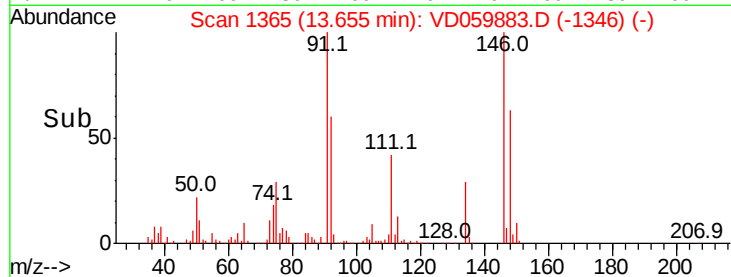
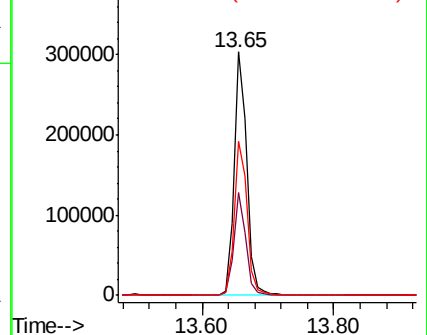
148 63.5 32.2 96.6



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.701 ug/l

RT: 14.23 min Scan# 1423

Delta R.T. -0.01 min

Lab File: VD059883.D

Acq: 23 Aug 2018 12:49

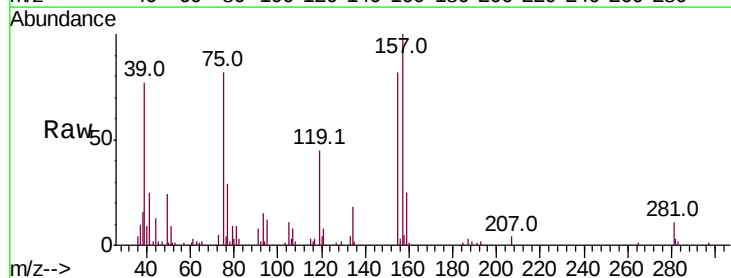
Tgt Ion: 75 Resp: 33117

Ion Ratio Lower Upper

75 100

155 100.0 58.2 174.6

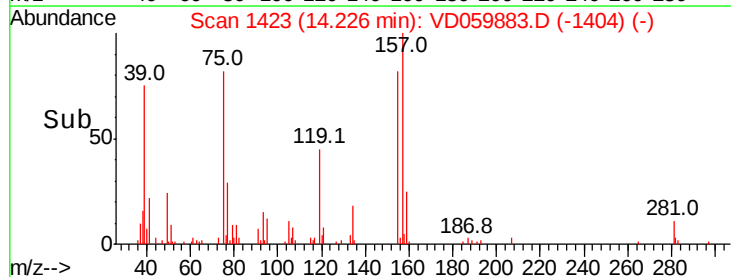
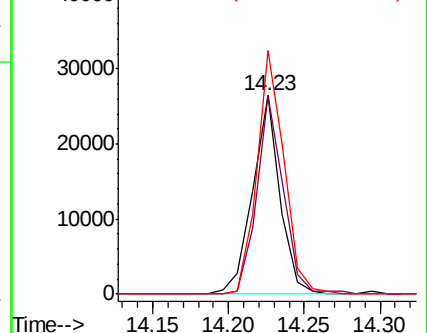
157 122.7 76.8 230.4

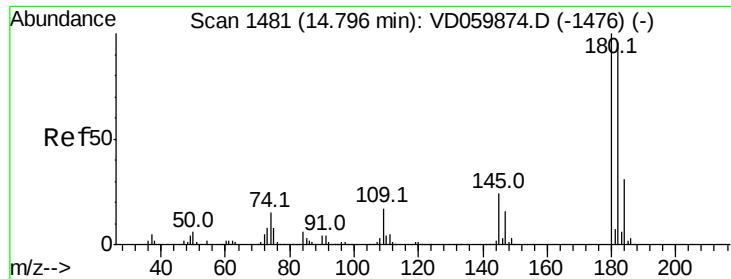


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

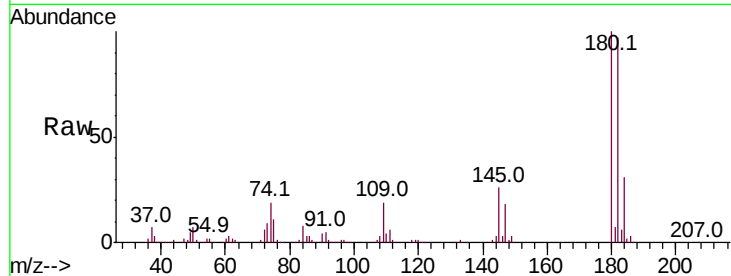




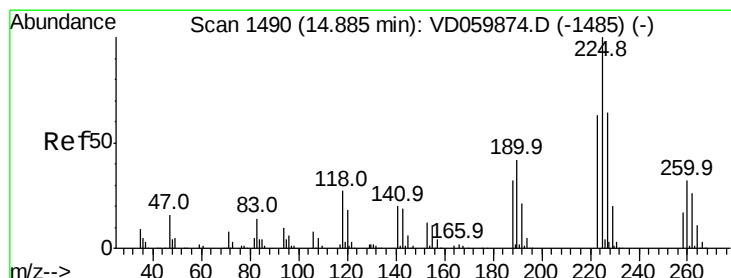
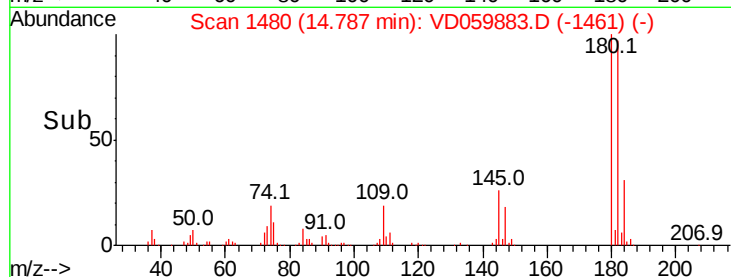
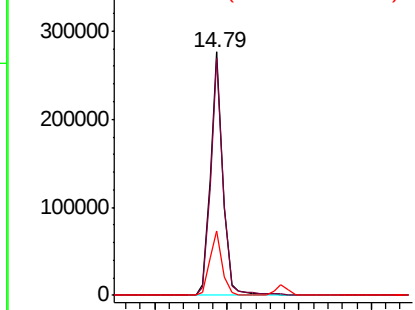
#93
 1,2,4-Trichlorobenzene
 Concen: 20.151 ug/l
 RT: 14.79 min Scan# 1480
 Delta R.T. -0.01 min
 Lab File: VD059883.D
 Acq: 23 Aug 2018 12:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0823SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.2	47.9	143.7
145	26.3	12.2	36.4

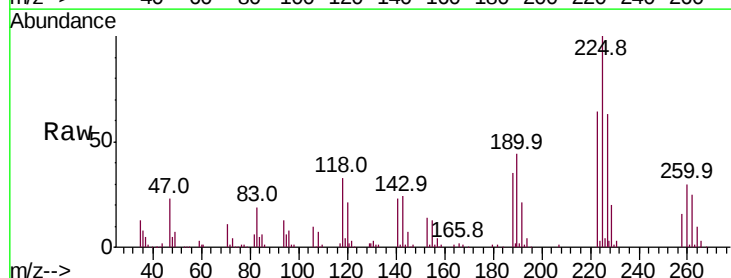


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

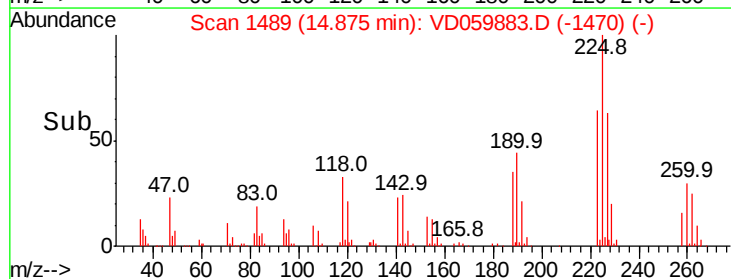
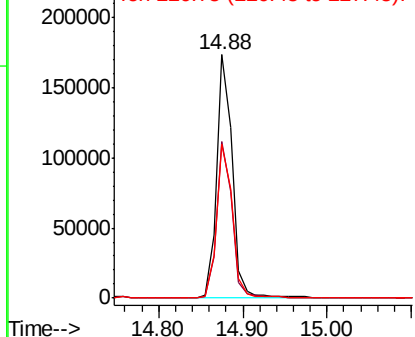


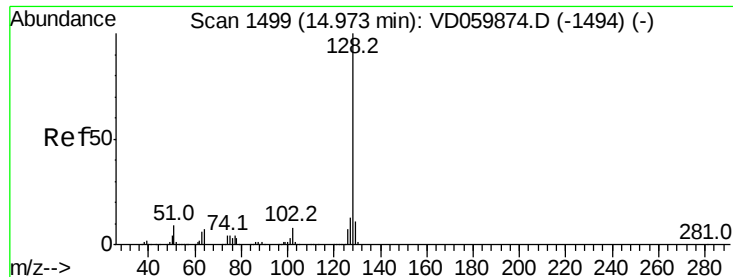
#94
 Hexachlorobutadiene
 Concen: 21.095 ug/l
 RT: 14.88 min Scan# 1489
 Delta R.T. -0.01 min
 Lab File: VD059883.D
 Acq: 23 Aug 2018 12:49

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.3	31.6	94.8
227	63.5	32.0	96.0



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





#95

Naphthalene

Concen: 20.053 ug/l

RT: 14.96 min Scan# 1498

Delta R.T. -0.01 min

Lab File: VD059883.D

Acq: 23 Aug 2018 12:49

Instrument :

MSVOA_D

ClientSampleId :

VD0823SBS01

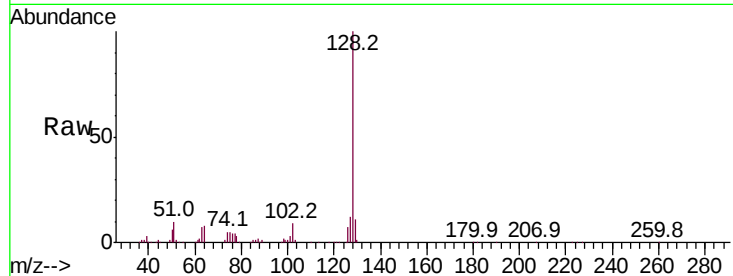
Tot Ion:128 Resp: 496784

Ion Ratio Lower Upper

128 100

127 12.4 10.0 15.0

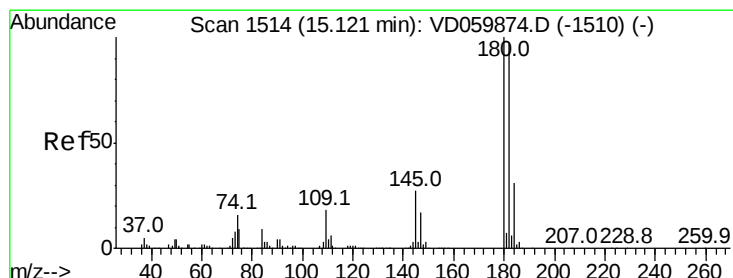
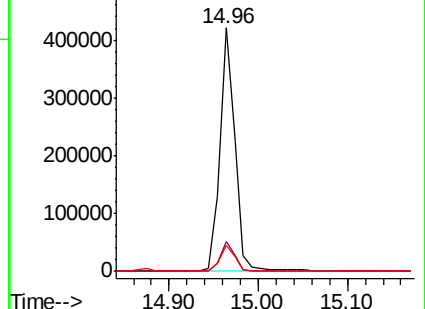
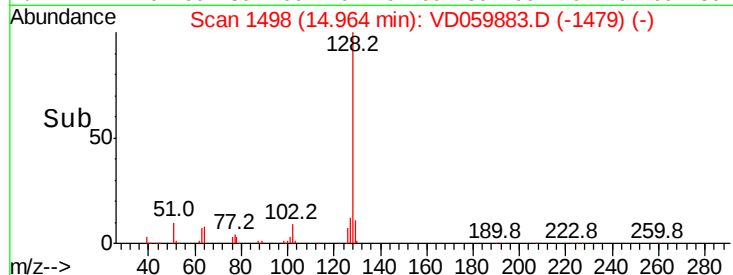
129 10.9 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.380 ug/l

RT: 15.11 min Scan# 1513

Delta R.T. -0.01 min

Lab File: VD059883.D

Acq: 23 Aug 2018 12:49

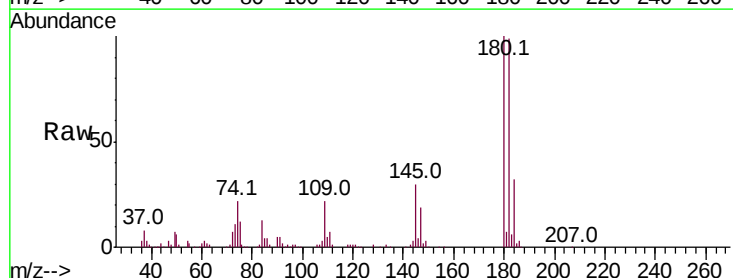
Tgt Ion:180 Resp: 282557

Ion Ratio Lower Upper

180 100

182 98.6 48.6 145.8

145 29.8 13.6 40.8



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

