

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD083118\
 Data File : VD059931.D
 Acq On : 31 Aug 2018 13:03
 Operator : JC/SY
 Sample : VD0831SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0831SBS01

Quant Time: Aug 31 14:34:40 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	6.37	168	1182683	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	7.42	114	1621628	50.00	ug/l	-0.03
63) Chlorobenzene-d5	11.27	117	1357806	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.36	152	734548	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.76	65	494480	49.61	ug/l	-0.04
Spiked Amount			Recovery	=	99.22%	
35) Dibromofluoromethane	6.30	113	637948	50.18	ug/l	-0.04
Spiked Amount			Recovery	=	100.36%	
50) Toluene-d8	9.43	98	1744823	49.45	ug/l	-0.03
Spiked Amount			Recovery	=	98.90%	
62) 4-Bromofluorobenzene	12.42	95	698224	48.72	ug/l	-0.02
Spiked Amount			Recovery	=	97.44%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.56	85	173042	16.368	ug/l	99
3) Chloromethane	1.73	50	165116	17.241	ug/l	95
4) Vinyl Chloride	1.82	62	128901	17.165	ug/l	93
5) Bromomethane	2.10	94	11242	8.671	ug/l #	76
6) Chloroethane	2.21	64	32030	11.774	ug/l	93
7) Trichlorofluoromethane	2.47	101	156003	17.957	ug/l	96
8) Diethyl Ether	2.79	74	37573	19.278	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.05	101	110159	20.705	ug/l	98
10) Methyl Iodide	3.21	142	79053	16.447	ug/l	98
11) Tert butyl alcohol	3.94	59	84557	111.172	ug/l	97
12) 1,1-Dichloroethene	3.03	96	81992	19.796	ug/l	92
13) Acrolein	2.95	56	22536	68.314	ug/l	91
14) Allyl chloride	3.49	41	192420	20.535	ug/l	98
15) Acrylonitrile	4.04	53	295061	103.594	ug/l	97
16) Acetone	3.13	43	192470	105.980	ug/l	99
17) Carbon Disulfide	3.27	76	198586	15.446	ug/l	99
18) Methyl Acetate	3.52	43	76198	20.099	ug/l	100
19) Methyl tert-butyl Ether	4.08	73	470479	20.079	ug/l	100
20) Methylene Chloride	3.68	84	294715	22.248	ug/l	97
21) trans-1,2-Dichloroethene	4.05	96	206347	18.082	ug/l	97
22) Diisopropyl ether	4.82	45	962231	20.135	ug/l	97
23) Vinyl Acetate	4.77	43	2801532	104.871	ug/l	100
24) 1,1-Dichloroethane	4.71	63	408925	19.807	ug/l	99
25) 2-Butanone	5.59	43	500175	92.992	ug/l	98
26) 2,2-Dichloropropane	5.55	77	347852	20.155	ug/l	98
27) cis-1,2-Dichloroethene	5.56	96	253891	20.319	ug/l	98
28) Bromochloromethane	5.89	49	203659	20.583	ug/l	95
29) Tetrahydrofuran	5.92	42	272100	106.261	ug/l	99
30) Chloroform	6.07	83	432767	20.627	ug/l	100
31) Cyclohexane	6.33	56	325004	17.124	ug/l	98
32) 1,1,1-Trichloroethane	6.26	97	344750	19.360	ug/l	98
36) 1,1-Dichloropropene	6.49	75	279952	19.044	ug/l	99
37) Ethyl Acetate	5.67	43	237485	20.761	ug/l	100
38) Carbon Tetrachloride	6.46	117	288967	19.479	ug/l	96

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	8.02	83	293516	18.481	ug/l	98
40) Benzene	6.77	78	759390	19.867	ug/l	100
41) Methacrylonitrile	5.92	41	270475	46.940	ug/l #	78
42) 1,2-Dichloroethane	6.87	62	242905	19.796	ug/l	98
43) Isopropyl Acetate	8.33	43	300682	20.205	ug/l #	100
44) Trichloroethene	7.71	130	223961	19.900	ug/l	93
45) 1,2-Dichloropropane	8.08	63	223457	20.915	ug/l	98
46) Dibromomethane	8.19	93	140408	20.439	ug/l	96
47) Bromodichloromethane	8.47	83	315301	20.274	ug/l	98
48) Methyl methacrylate	8.22	41	184002	21.210	ug/l	97
49) 1,4-Dioxane	8.21	88	34220	441.833	ug/l	90
51) 4-Methyl-2-Pentanone	9.33	43	1033746	93.175	ug/l	97
52) Toluene	9.53	92	497826	20.311	ug/l	98
53) t-1,3-Dichloropropene	9.90	75	296077	20.583	ug/l	97
54) cis-1,3-Dichloropropene	9.08	75	339263	20.342	ug/l	96
55) 1,1,2-Trichloroethane	10.16	97	186635	20.831	ug/l	96
56) Ethyl methacrylate	10.01	69	210777	20.385	ug/l	99
57) 1,3-Dichloropropane	10.37	76	278715	21.494	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.90	63	573643	115.649	ug/l	98
59) 2-Hexanone	10.48	43	796173	97.293	ug/l	98
60) Dibromochloromethane	10.63	129	230852	20.500	ug/l	97
61) 1,2-Dibromoethane	10.74	107	184739	20.393	ug/l	99
64) Tetrachloroethene	10.23	164	209740	19.977	ug/l	98
65) Chlorobenzene	11.30	112	570824	21.156	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.41	131	213527	21.661	ug/l	98
67) Ethyl Benzene	11.42	91	997290	21.970	ug/l	99
68) m/p-Xylenes	11.56	106	705288	42.674	ug/l	99
69) o-Xylene	11.92	106	341453	21.123	ug/l	91
70) Styrene	11.94	104	594477	21.239	ug/l	96
71) Bromoform	12.11	173	170806	20.026	ug/l #	99
73) Isopropylbenzene	12.27	105	954542	20.357	ug/l	99
74) N-amyl acetate	12.13	43	407749	19.860	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.55	83	227619	20.987	ug/l	99
76) 1,2,3-Trichloropropane	12.59	75	233174	20.424	ug/l	99
77) Bromobenzene	12.53	156	275510	21.192	ug/l	86
78) n-propylbenzene	12.63	91	1194271	20.114	ug/l	100
79) 2-Chlorotoluene	12.70	91	684097	20.373	ug/l	95
80) 1,3,5-Trimethylbenzene	12.79	105	760060	20.388	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.34	75	66005	18.586	ug/l	100
82) 4-Chlorotoluene	12.80	91	777176	20.292	ug/l	94
83) tert-Butylbenzene	13.04	119	852630	20.078	ug/l	92
84) 1,2,4-Trimethylbenzene	13.09	105	786772	20.248	ug/l	99
85) sec-Butylbenzene	13.21	105	1045813	20.941	ug/l	99
86) p-Isopropyltoluene	13.33	119	837661	20.624	ug/l	95
87) 1,3-Dichlorobenzene	13.30	146	488084	21.029	ug/l	98
88) 1,4-Dichlorobenzene	13.38	146	482851	20.852	ug/l	97
89) n-Butylbenzene	13.64	91	877392	19.947	ug/l	96
90) Hexachloroethane	13.85	117	199238	18.269	ug/l	88
91) 1,2-Dichlorobenzene	13.66	146	442586	22.427	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.22	75	32965	19.769	ug/l	65

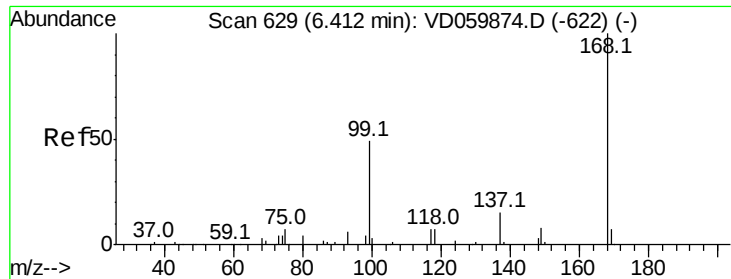
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD083118\
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Instrument :
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Quant Title : SW846 8260
QLast Update : Thu Aug 23 03:03:08 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	353954	20.947	ug/l	98
94) Hexachlorobutadiene	14.88	225	235885	21.296	ug/l	99
95) Naphthalene	14.96	128	532739	20.631	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	303829	21.024	ug/l	99

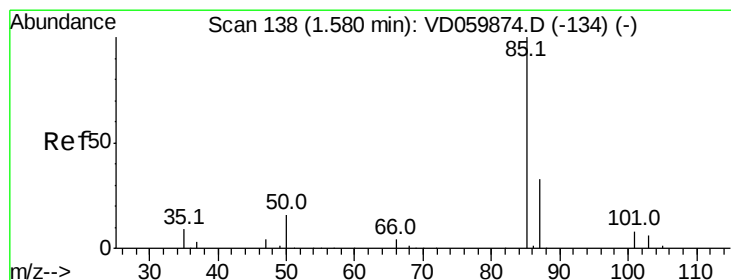
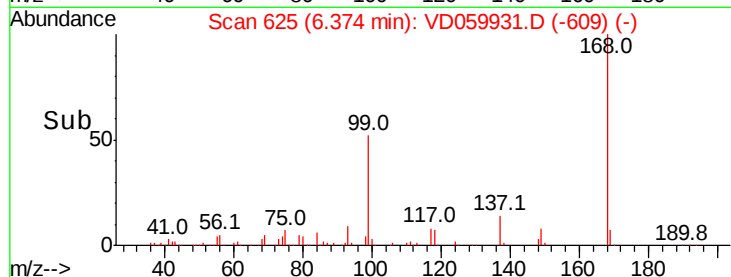
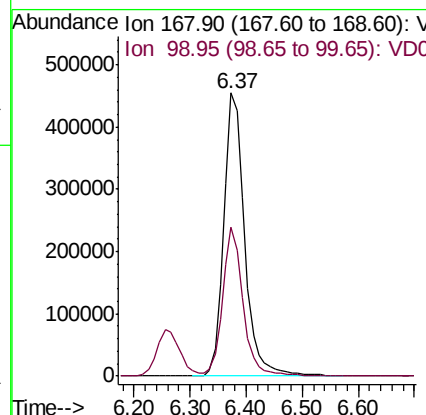
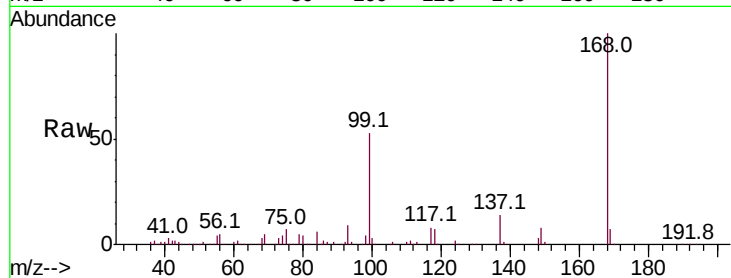
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 6.37 min Scan# 625
Delta R.T. -0.04 min
Lab File: VD059931.D
Acq: 31 Aug 2018 13:03

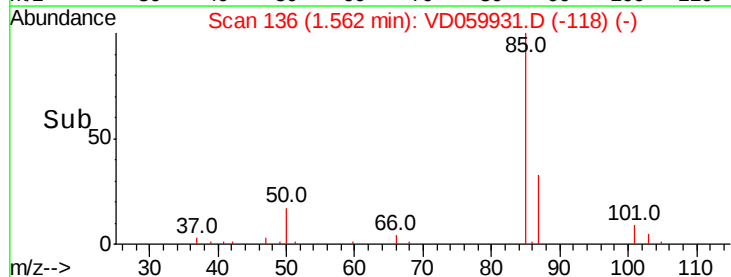
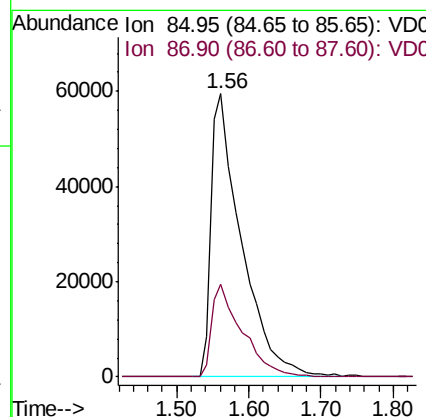
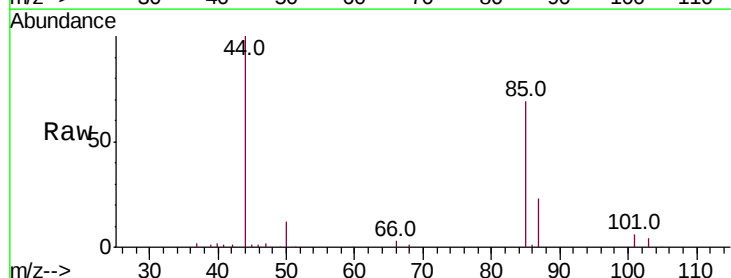
Instrument :
MSVOA_D
ClientSampleId :
VD0831SBSD01

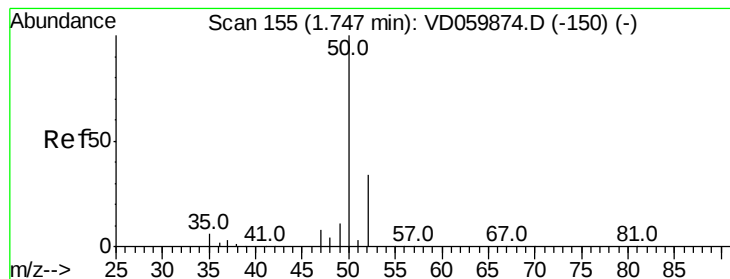
Tot Ion:168 Resp: 1182683
Ion Ratio Lower Upper
168 100
99 52.7 42.2 63.2



#2
Dichlorodifluoromethane
Concen: 16.368 ug/l
RT: 1.56 min Scan# 136
Delta R.T. -0.02 min
Lab File: VD059931.D
Acq: 31 Aug 2018 13:03

Tgt Ion: 85 Resp: 173042
Ion Ratio Lower Upper
85 100
87 32.7 16.8 50.3





#3

Chloromethane

Concen: 17.241 ug/l

RT: 1.73 min Scan# 153

Delta R.T. -0.02 min

Lab File: VD059931.D

Acq: 31 Aug 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

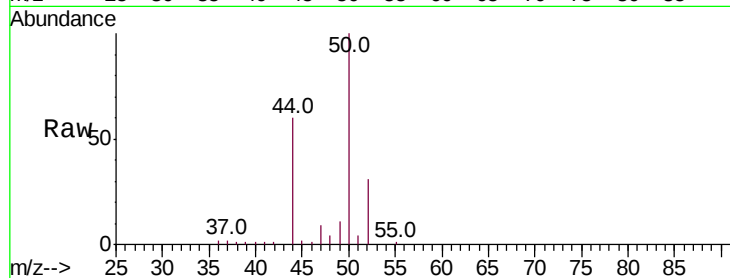
VD0831SBSD01

Tot Ion: 50 Resp: 165116

Ion Ratio Lower Upper

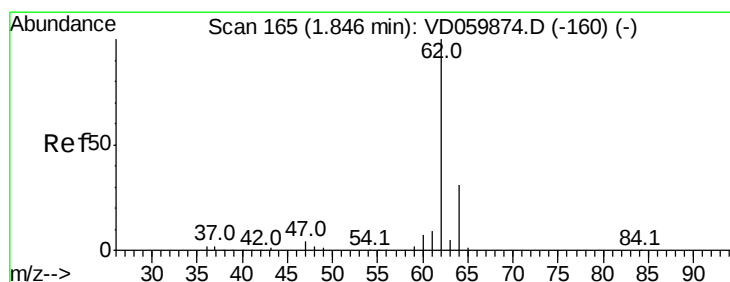
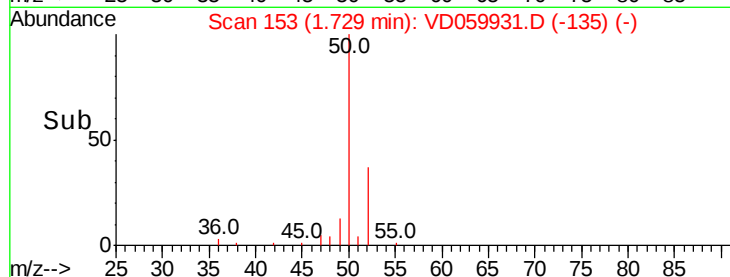
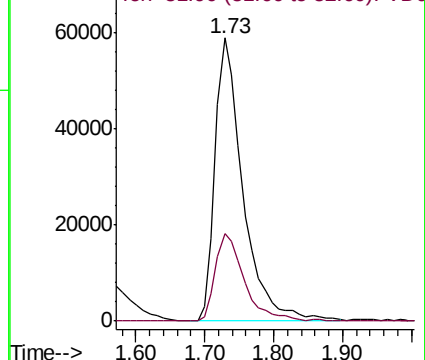
50 100

52 30.9 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: 17.165 ug/l

RT: 1.82 min Scan# 162

Delta R.T. -0.03 min

Lab File: VD059931.D

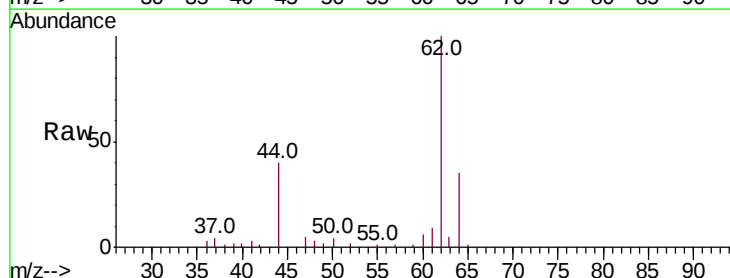
Acq: 31 Aug 2018 13:03

Tgt Ion: 62 Resp: 128901

Ion Ratio Lower Upper

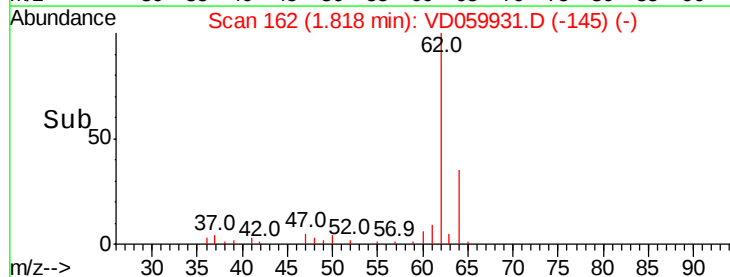
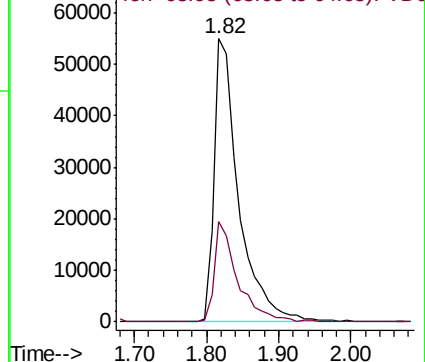
62 100

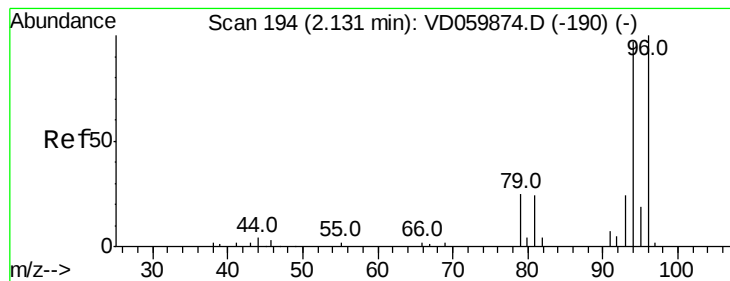
64 35.4 25.0 37.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 8.671 ug/l

RT: 2.10 min Scan# 191

Delta R.T. -0.03 min

Lab File: VD059931.D

Acq: 31 Aug 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

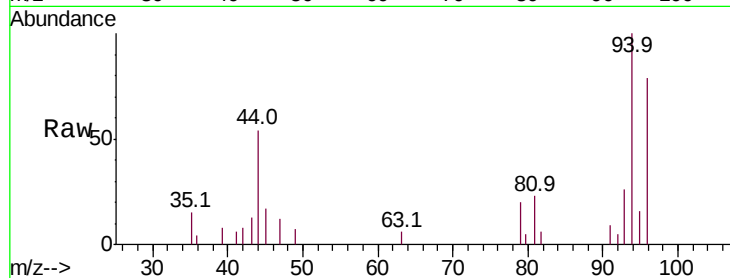
VD0831SBS01

Tot Ion: 94 Resp: 11242

Ion Ratio Lower Upper

94 100

96 78.6 82.4 123.6#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

8000

6000

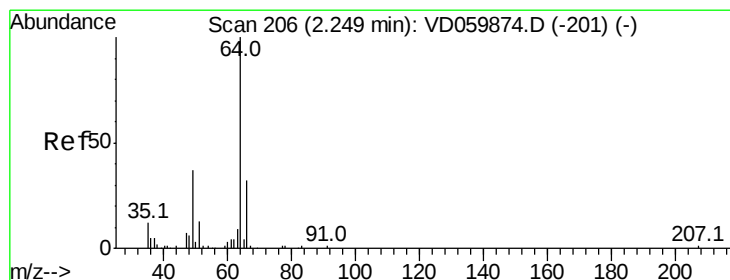
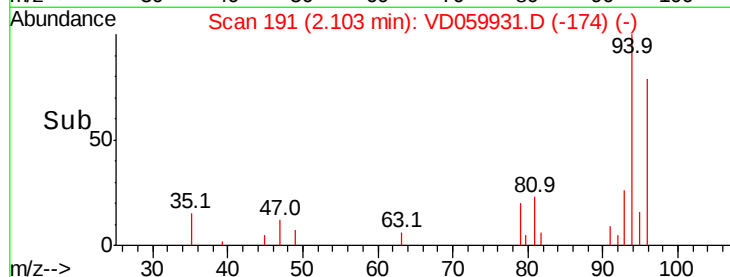
4000

2000

0

2.05 2.10 2.15

Time-->



#6

Chloroethane

Concen: 11.774 ug/l

RT: 2.21 min Scan# 202

Delta R.T. -0.04 min

Lab File: VD059931.D

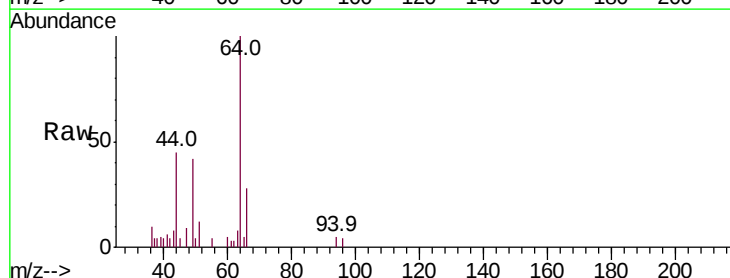
Acq: 31 Aug 2018 13:03

Tgt Ion: 64 Resp: 32030

Ion Ratio Lower Upper

64 100

66 27.8 25.3 37.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC

15000

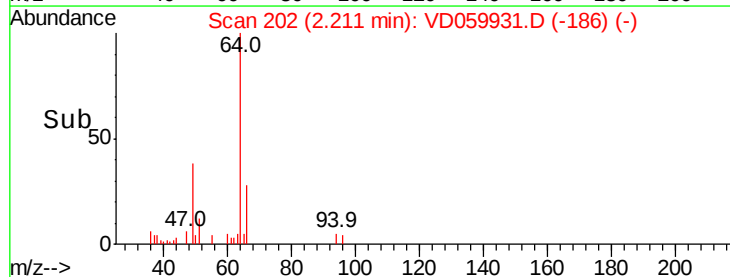
10000

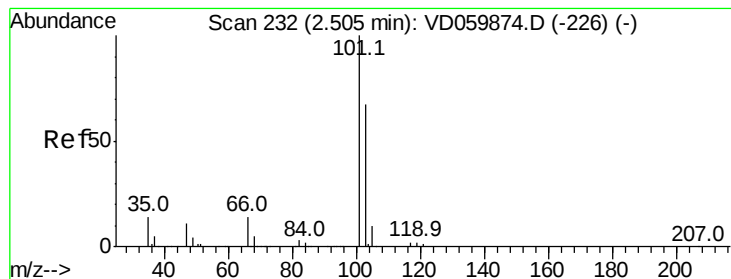
5000

0

2.10 2.20 2.30 2.40

Time-->



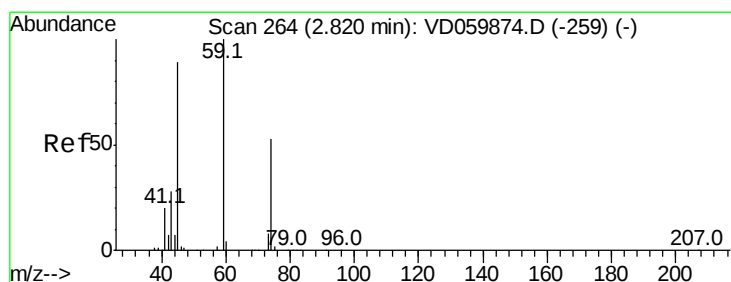
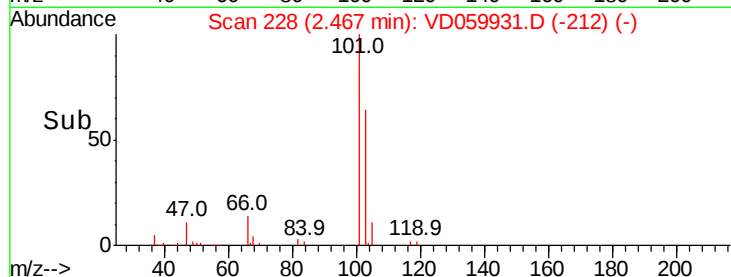
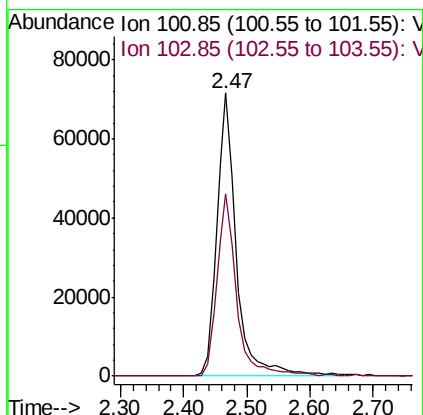
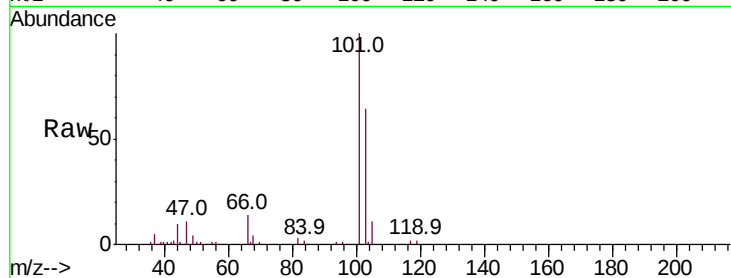


#7

Trichlorofluoromethane
Concen: 17.957 ug/l
RT: 2.47 min Scan# 228
Delta R.T. -0.04 min
Lab File: VD059931.D
Acq: 31 Aug 2018 13:03

Instrument :
MSVOA_D
ClientSampleId :
VD0831SBSD01

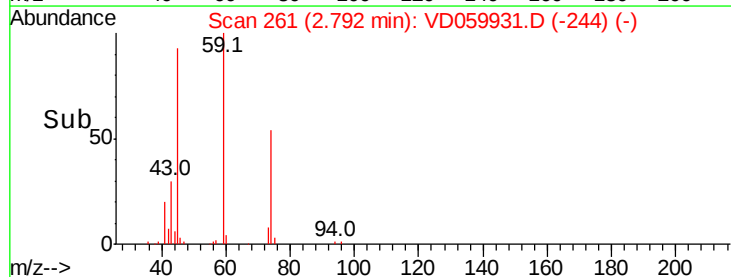
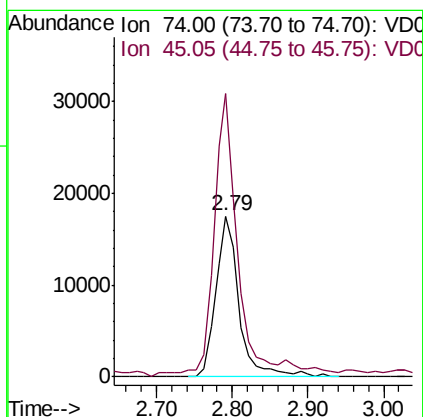
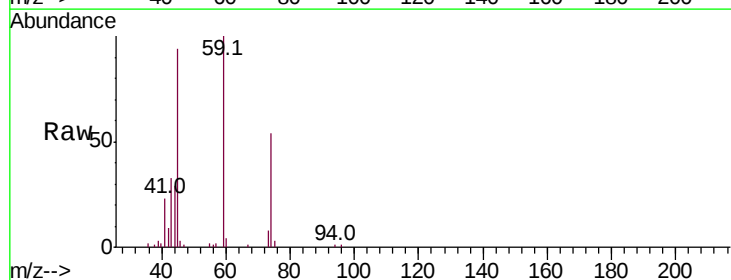
Tot Ion:101 Resp: 156003
Ion Ratio Lower Upper
101 100
103 64.2 53.7 80.5

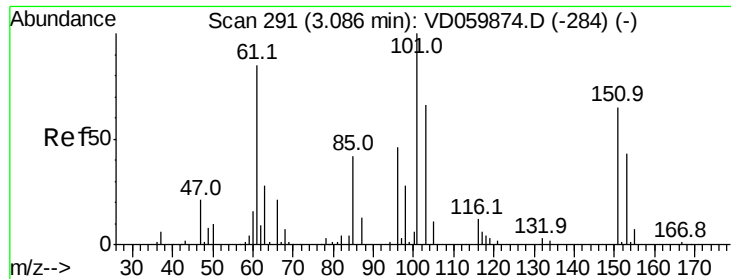


#8

Diethyl Ether
Concen: 19.278 ug/l
RT: 2.79 min Scan# 261
Delta R.T. -0.03 min
Lab File: VD059931.D
Acq: 31 Aug 2018 13:03

Tgt Ion: 74 Resp: 37573
Ion Ratio Lower Upper
74 100
45 175.9 85.7 257.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.705 ug/l

RT: 3.05 min Scan# 287

Delta R.T. -0.04 min

Lab File: VD059931.D

Acq: 31 Aug 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

VD0831SBSD01

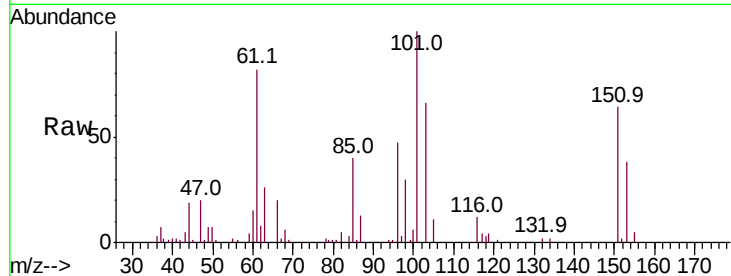
Tot Ion:101 Resp: 110159

Ion Ratio Lower Upper

101 100

85 40.0 33.6 50.4

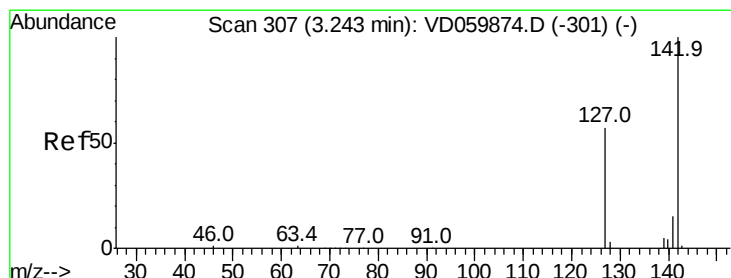
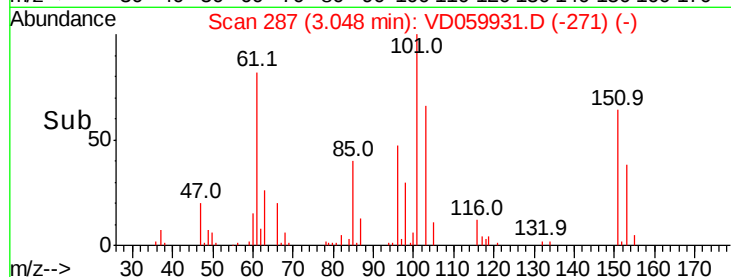
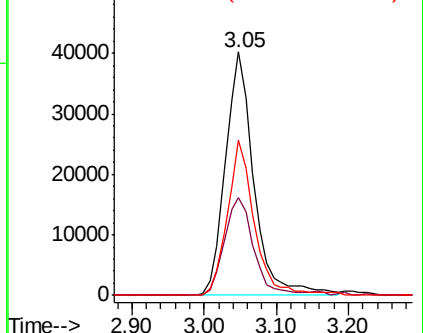
151 64.0 52.0 78.0



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: 16.447 ug/l

RT: 3.21 min Scan# 303

Delta R.T. -0.04 min

Lab File: VD059931.D

Acq: 31 Aug 2018 13:03

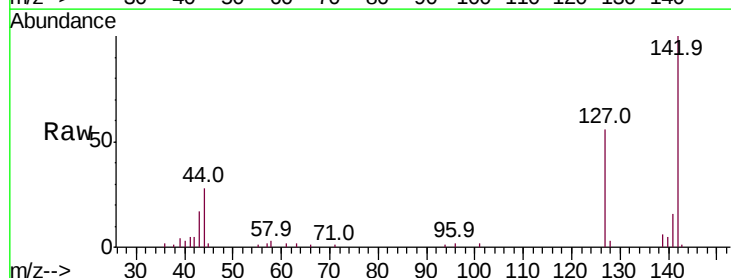
Tgt Ion:142 Resp: 79053

Ion Ratio Lower Upper

142 100

127 55.6 45.8 68.6

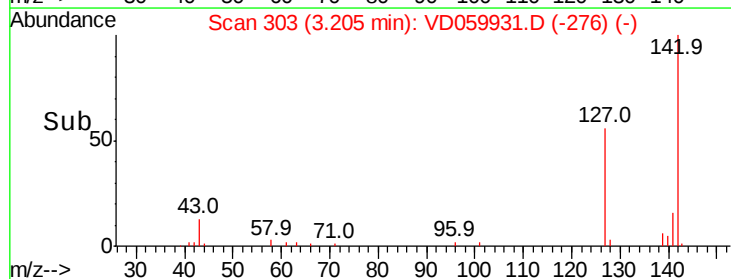
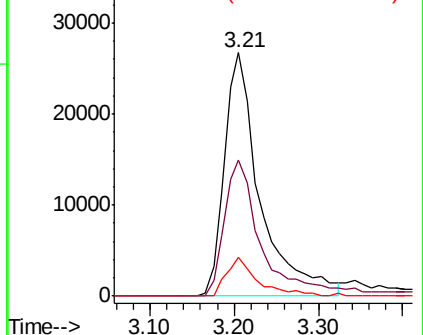
141 15.8 11.6 17.4

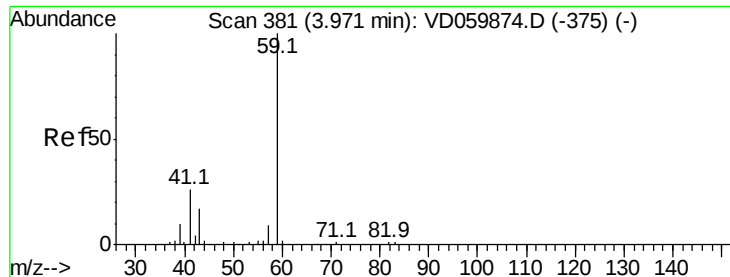


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

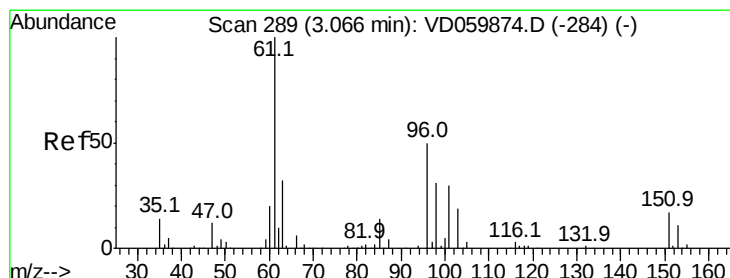
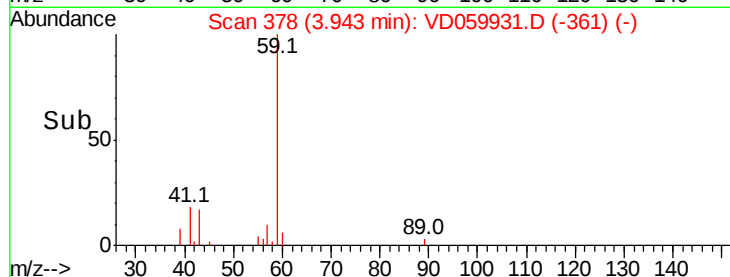
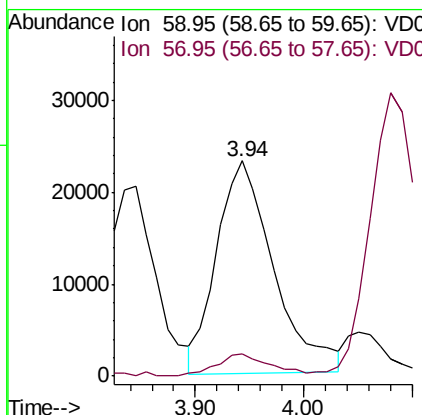
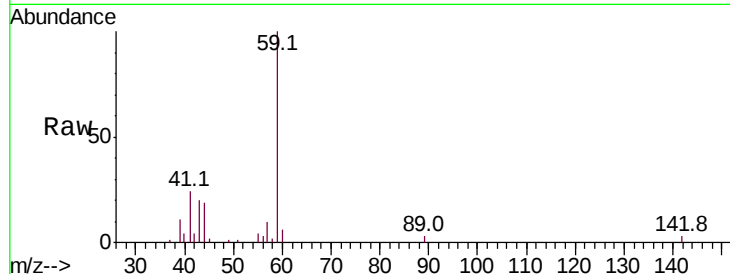




#11
Tert butyl alcohol
Concen: 111.172 ug/l
RT: 3.94 min Scan# 378
Delta R.T. -0.03 min
Lab File: VD059931.D
Acq: 31 Aug 2018 13:03

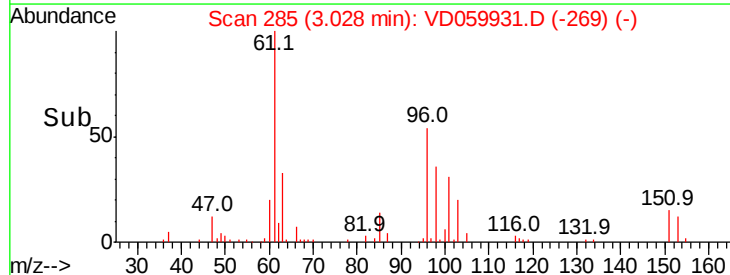
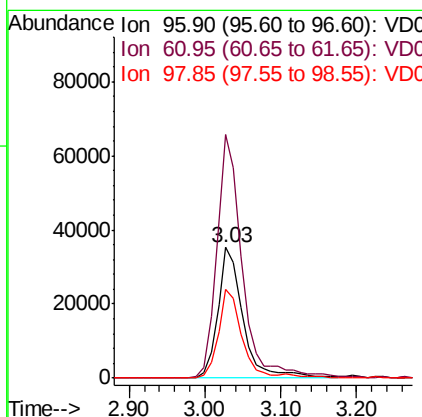
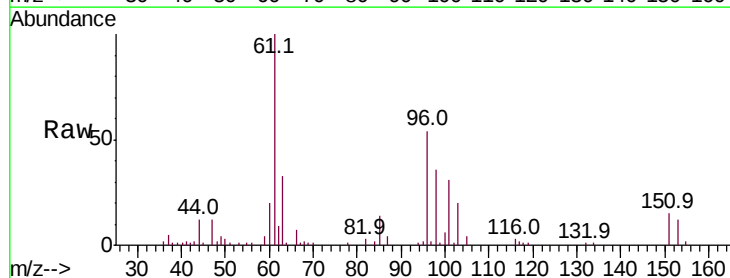
Instrument :
MSVOA_D
ClientSampleId :
VD0831SBSD01

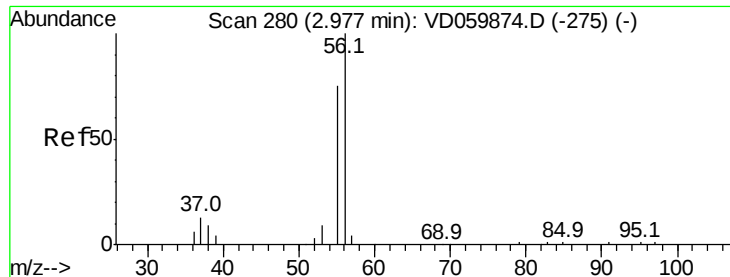
Tot Ion: 59 Resp: 84557
Ion Ratio Lower Upper
59 100
57 10.2 7.4 11.0



#12
1,1-Dichloroethene
Concen: 19.796 ug/l
RT: 3.03 min Scan# 285
Delta R.T. -0.04 min
Lab File: VD059931.D
Acq: 31 Aug 2018 13:03

Tgt Ion: 96 Resp: 81992
Ion Ratio Lower Upper
96 100
61 186.7 158.8 238.2
98 67.7 48.7 73.1





#13

Acrolein

Concen: 68.314 ug/l

RT: 2.95 min Scan# 277

Delta R.T. -0.03 min

Lab File: VD059931.D

Acq: 31 Aug 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

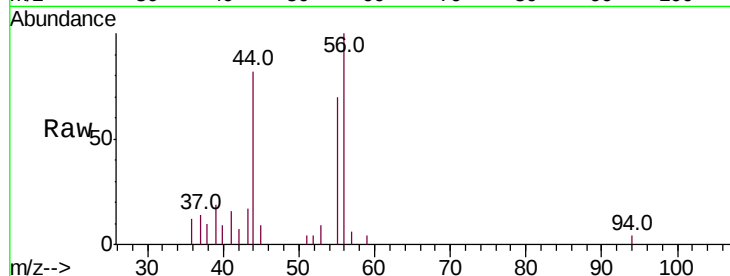
VD0831SBSD01

Tot Ion: 56 Resp: 22536

Ion Ratio Lower Upper

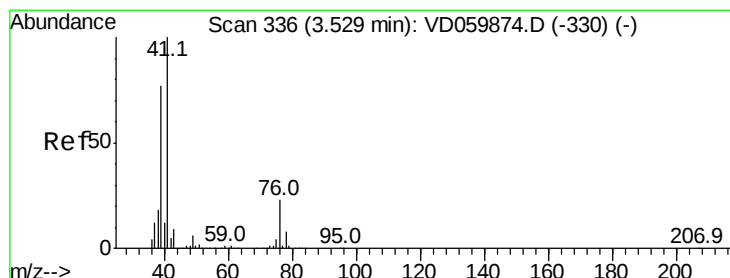
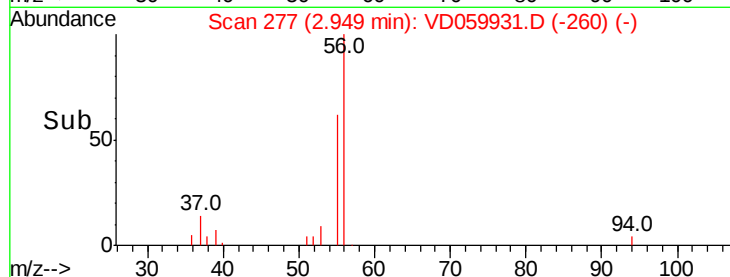
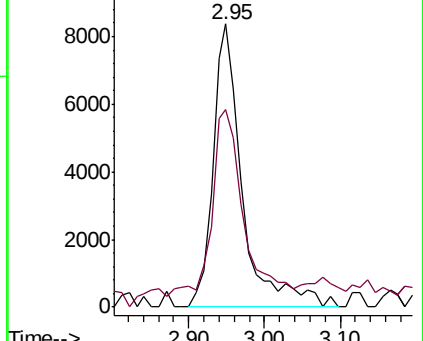
56 100

55 69.9 61.9 92.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 20.535 ug/l

RT: 3.49 min Scan# 332

Delta R.T. -0.04 min

Lab File: VD059931.D

Acq: 31 Aug 2018 13:03

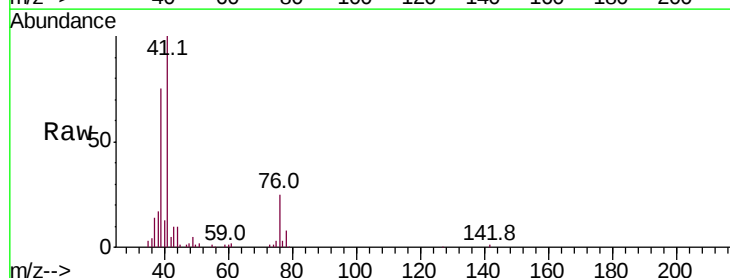
Tgt Ion: 41 Resp: 192420

Ion Ratio Lower Upper

41 100

39 75.1 61.8 92.6

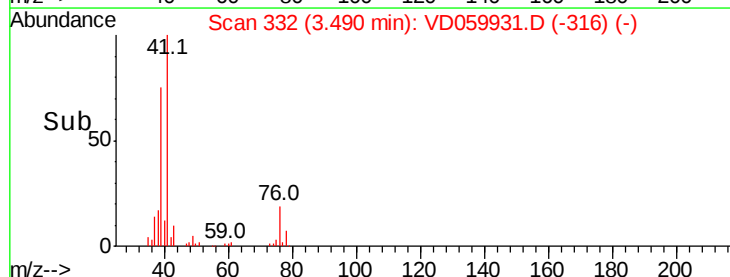
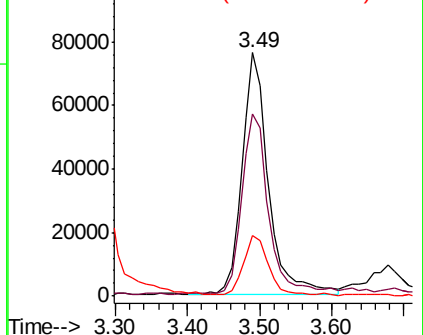
76 25.0 19.4 29.2

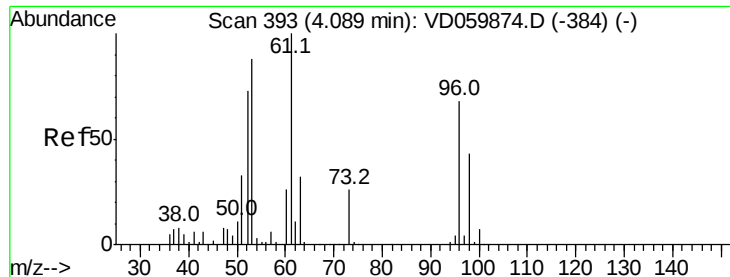


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 103.594 ug/l

RT: 4.04 min Scan# 388

Delta R.T. -0.05 min

Lab File: VD059931.D

Acq: 31 Aug 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

VD0831SBS01

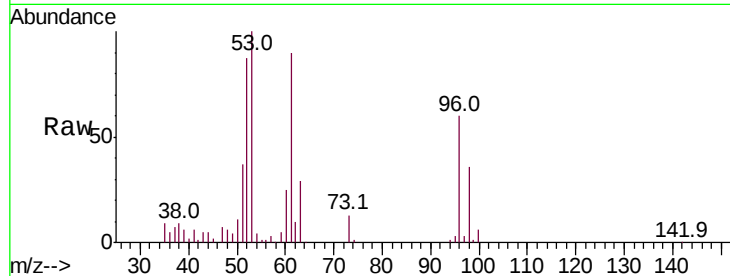
Tot Ion: 53 Resp: 295061

Ion Ratio Lower Upper

53 100

52 87.0 66.9 100.3

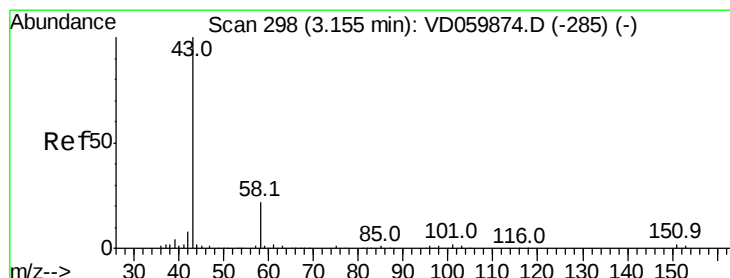
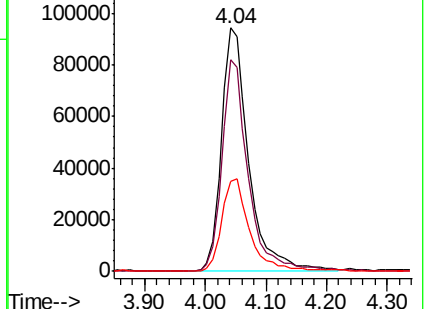
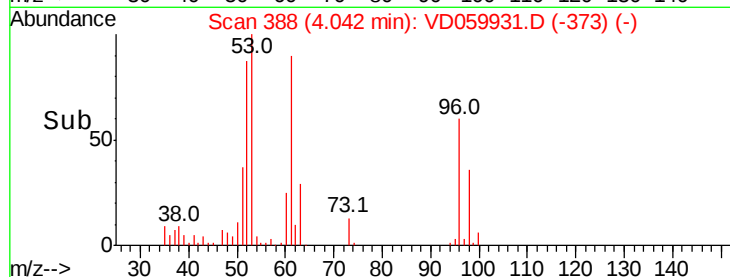
51 37.1 30.3 45.5



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: 105.980 ug/l

RT: 3.13 min Scan# 295

Delta R.T. -0.03 min

Lab File: VD059931.D

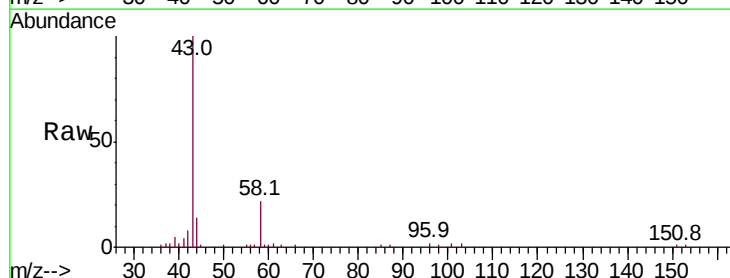
Acq: 31 Aug 2018 13:03

Tgt Ion: 43 Resp: 192470

Ion Ratio Lower Upper

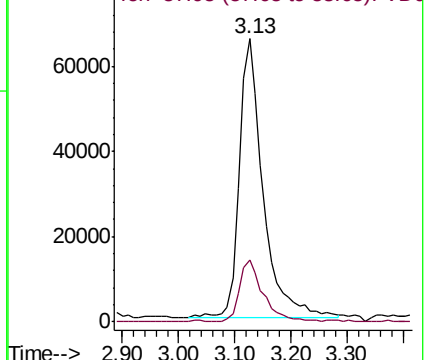
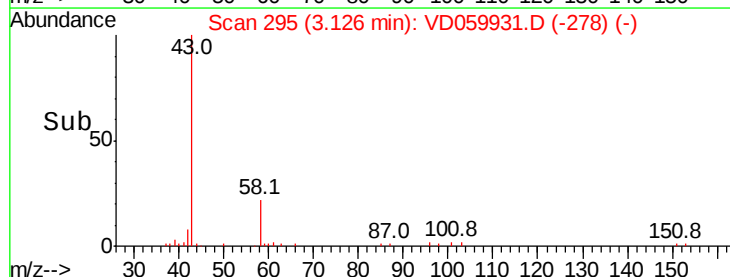
43 100

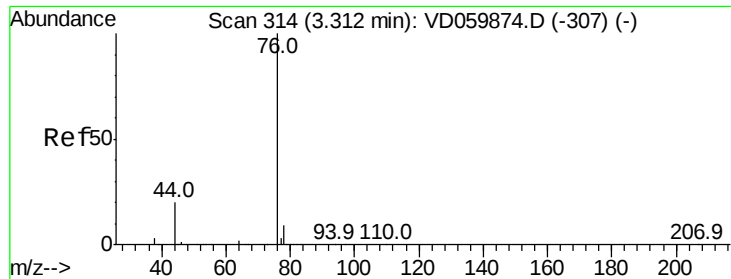
58 21.7 17.6 26.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

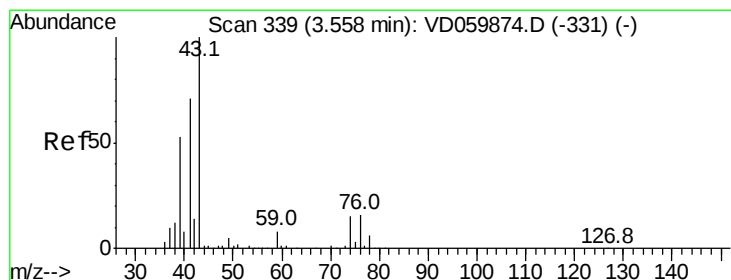
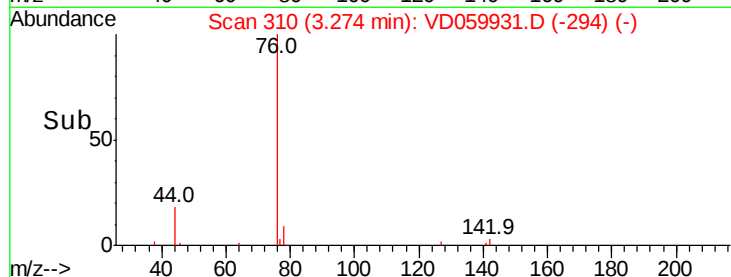
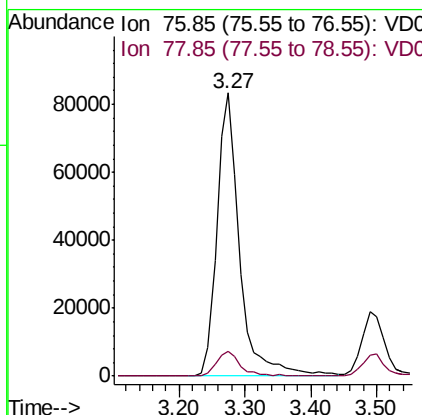
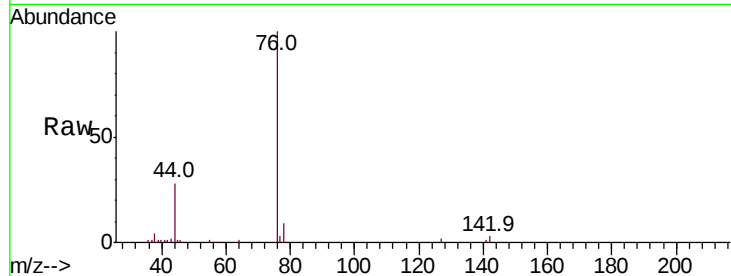




#17
Carbon Disulfide
Concen: 15.446 ug/l
RT: 3.27 min Scan# 310
Delta R.T. -0.04 min
Lab File: VD059931.D
Acq: 31 Aug 2018 13:03

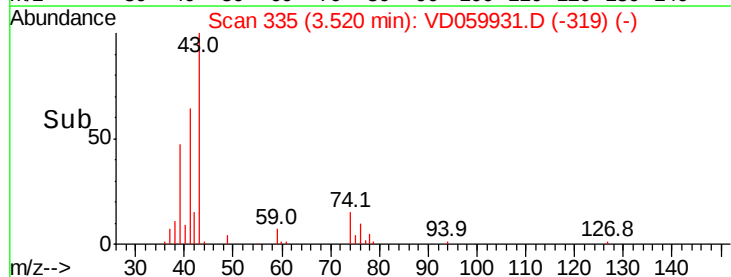
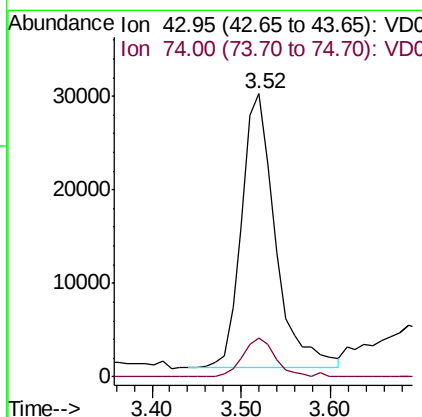
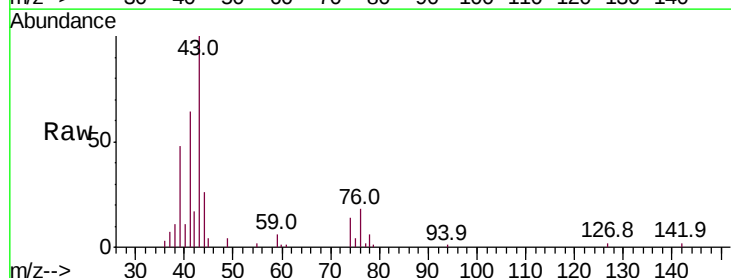
Instrument :
MSVOA_D
ClientSampleId :
VD0831SBSD01

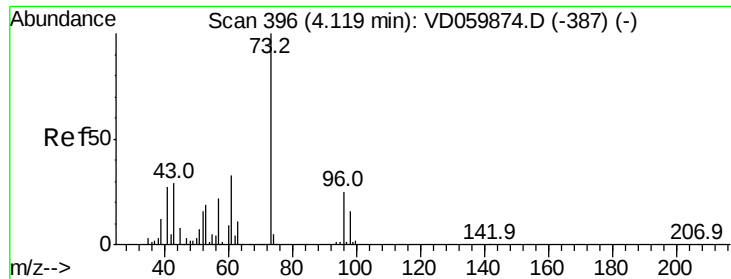
Tot Ion: 76 Resp: 198586
Ion Ratio Lower Upper
76 100
78 8.8 7.4 11.2



#18
Methyl Acetate
Concen: 20.099 ug/l
RT: 3.52 min Scan# 335
Delta R.T. -0.04 min
Lab File: VD059931.D
Acq: 31 Aug 2018 13:03

Tgt Ion: 43 Resp: 76198
Ion Ratio Lower Upper
43 100
74 14.0 11.2 16.8



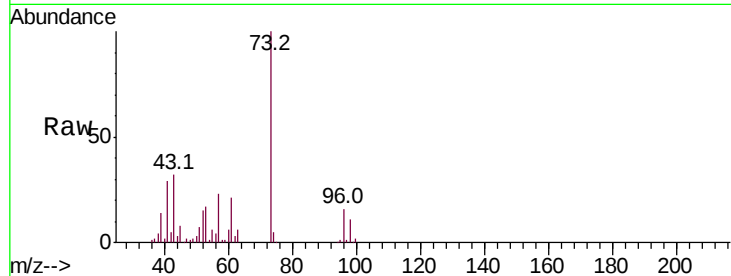


#19

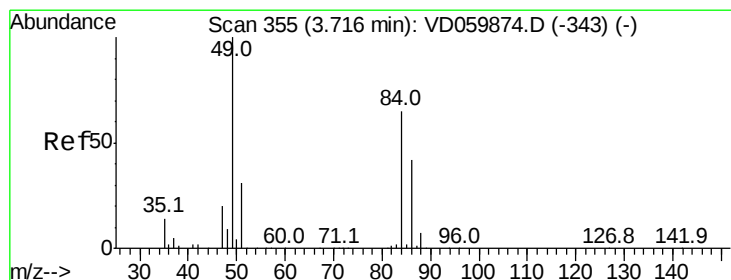
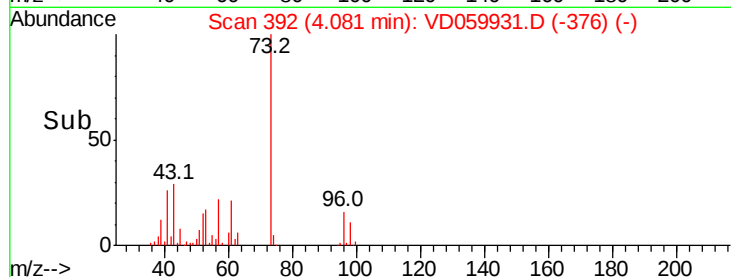
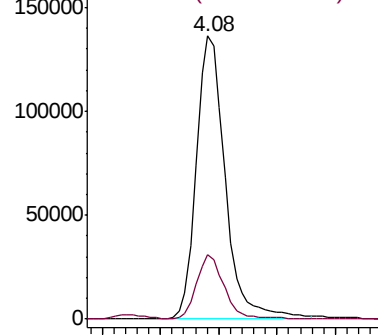
Methyl tert-butyl Ether
 Concen: 20.079 ug/l
 RT: 4.08 min Scan# 392
 Delta R.T. -0.04 min
 Lab File: VD059931.D
 Acq: 31 Aug 2018 13:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0831SBS01

Tot Ion: 73 Resp: 470479
 Ion Ratio Lower Upper
 73 100
 57 22.6 17.9 26.9



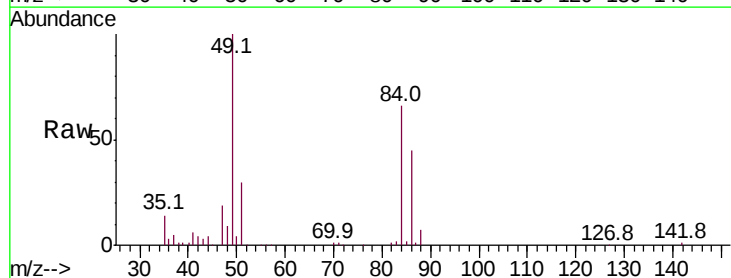
Abundance Ion 73.00 (72.70 to 73.70): VDC
 Ion 57.05 (56.75 to 57.75): VDC



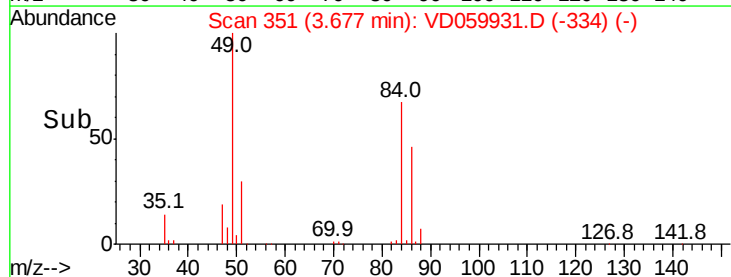
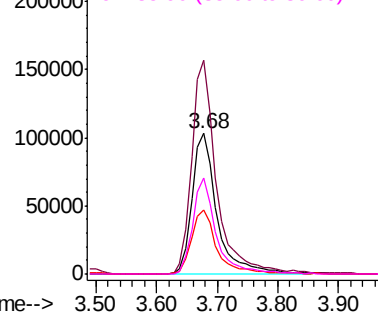
#20

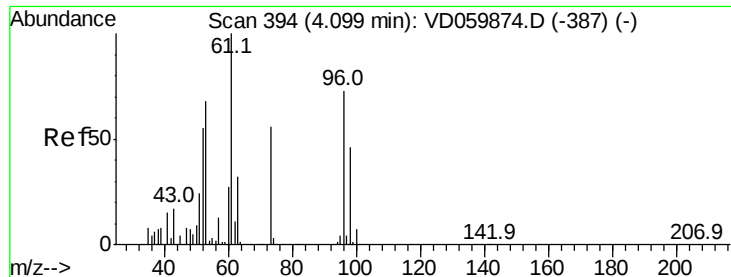
Methylene Chloride
 Concen: 22.248 ug/l
 RT: 3.68 min Scan# 351
 Delta R.T. -0.04 min
 Lab File: VD059931.D
 Acq: 31 Aug 2018 13:03

Tgt Ion: 84 Resp: 294715
 Ion Ratio Lower Upper
 84 100
 49 151.9 122.6 183.8
 51 45.6 38.4 57.6
 86 68.6 51.5 77.3



Abundance Ion 83.95 (83.65 to 84.65): VDC
 Ion 48.90 (48.60 to 49.60): VDC
 Ion 50.90 (50.60 to 51.60): VDC
 Ion 85.90 (85.60 to 86.60): VDC





#21

trans-1,2-Dichloroethene

Concen: 18.082 ug/l

RT: 4.05 min Scan# 389

Delta R.T. -0.05 min

Lab File: VD059931.D

Acq: 31 Aug 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

VD0831SBS01

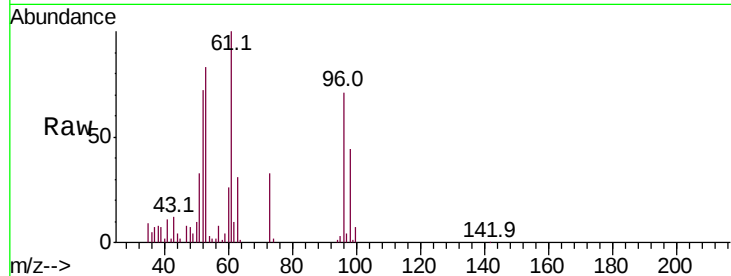
Tot Ion: 96 Resp: 206347

Ion Ratio Lower Upper

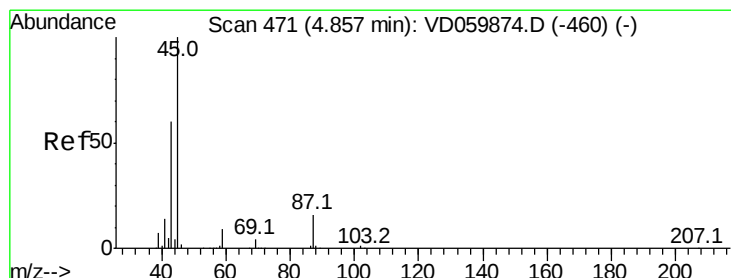
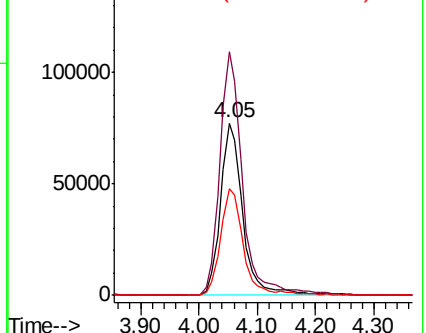
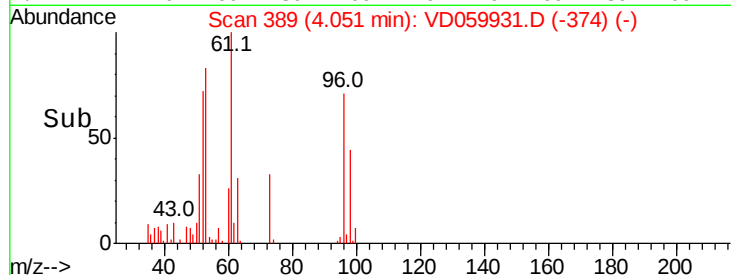
96 100

61 141.5 110.2 165.4

98 61.9 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: 20.135 ug/l

RT: 4.82 min Scan# 467

Delta R.T. -0.04 min

Lab File: VD059931.D

Acq: 31 Aug 2018 13:03

Tgt Ion: 45 Resp: 962231

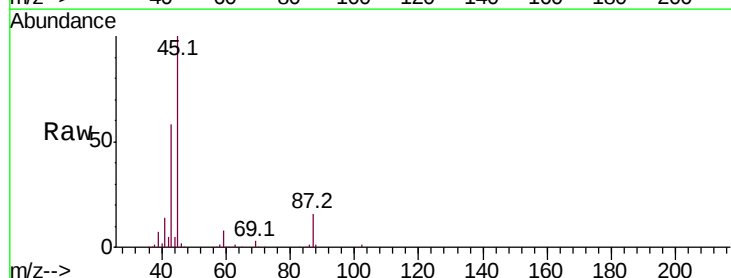
Ion Ratio Lower Upper

45 100

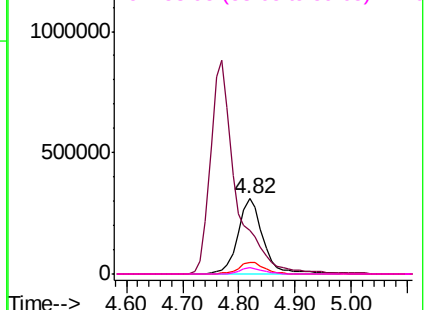
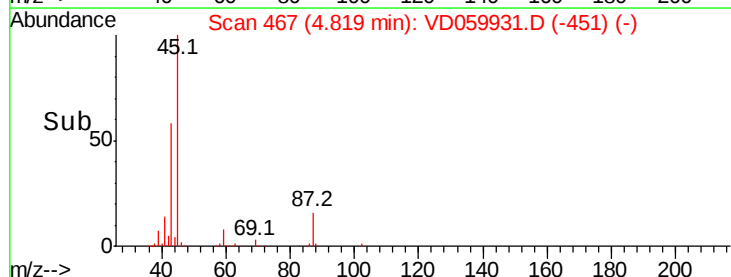
43 58.4 48.6 72.8

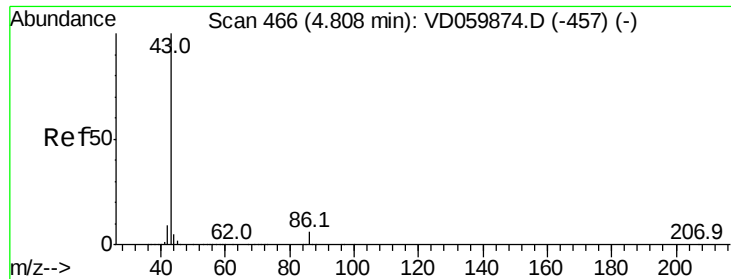
87 15.8 13.3 19.9

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

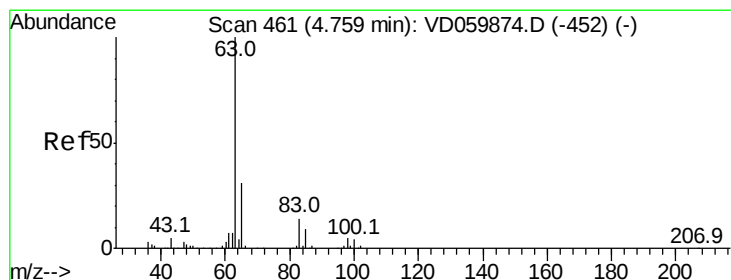
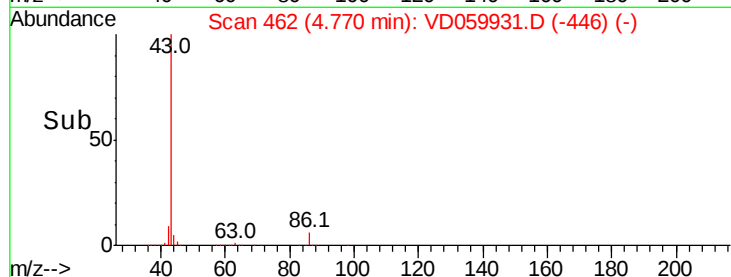
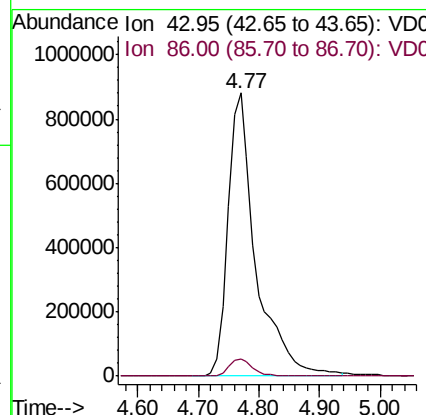
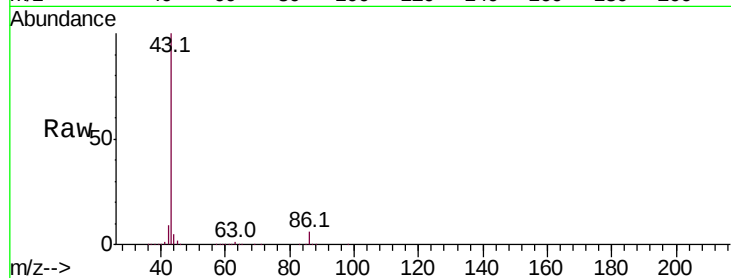




#23
 Vinyl Acetate
 Concen: 104.871 ug/l
 RT: 4.77 min Scan# 462
 Delta R.T. -0.04 min
 Lab File: VD059931.D
 Acq: 31 Aug 2018 13:03

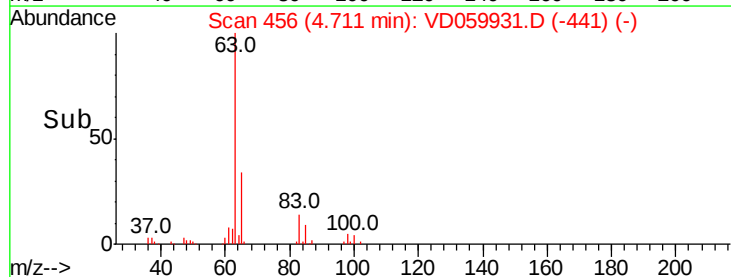
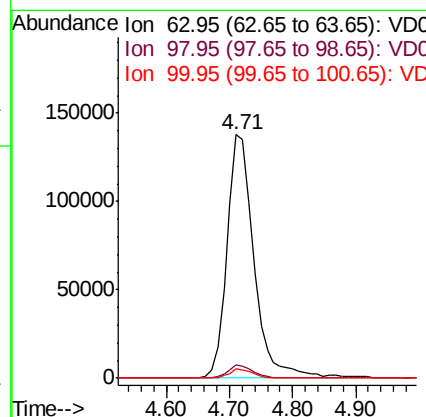
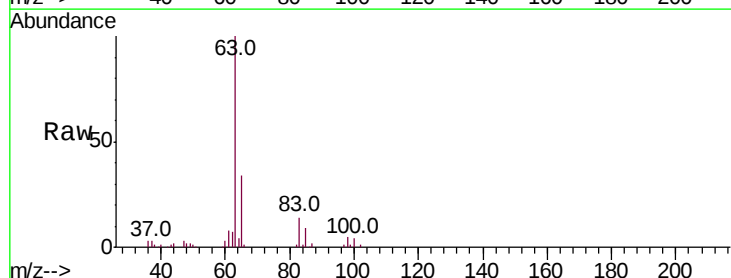
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0831SBSD01

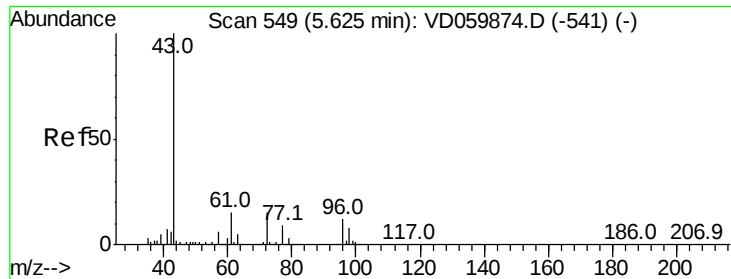
Tot Ion: 43 Resp: 2801532
 Ion Ratio Lower Upper
 43 100
 86 6.3 5.0 7.6



#24
 1,1-Dichloroethane
 Concen: 19.807 ug/l
 RT: 4.71 min Scan# 456
 Delta R.T. -0.05 min
 Lab File: VD059931.D
 Acq: 31 Aug 2018 13:03

Tgt Ion: 63 Resp: 408925
 Ion Ratio Lower Upper
 63 100
 98 5.2 2.7 8.1
 100 3.6 1.8 5.3





#25

2-Butanone

Concen: 92.992 ug/l

RT: 5.59 min Scan# 545

Delta R.T. -0.04 min

Lab File: VD059931.D

Acq: 31 Aug 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

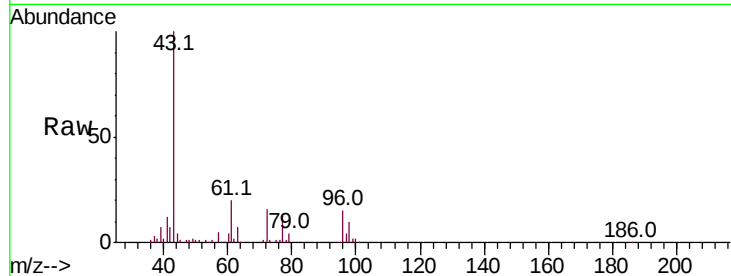
VD0831SBS01

Tot Ion: 43 Resp: 500175

Ion Ratio Lower Upper

43 100

72 16.2 12.3 18.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

200000

150000

100000

50000

0

5.59

5.40

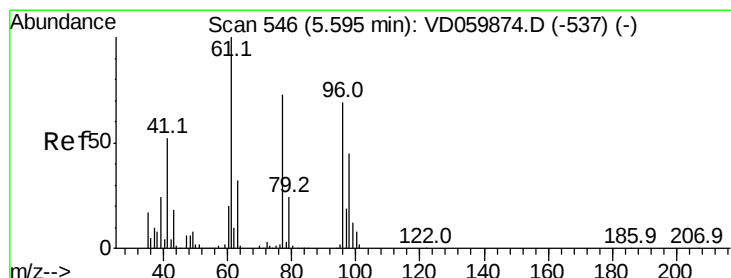
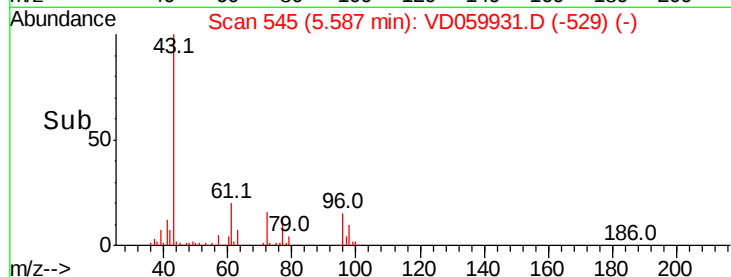
5.50

5.60

5.70

5.80

Time-->



#26

2,2-Dichloropropane

Concen: 20.155 ug/l

RT: 5.55 min Scan# 541

Delta R.T. -0.05 min

Lab File: VD059931.D

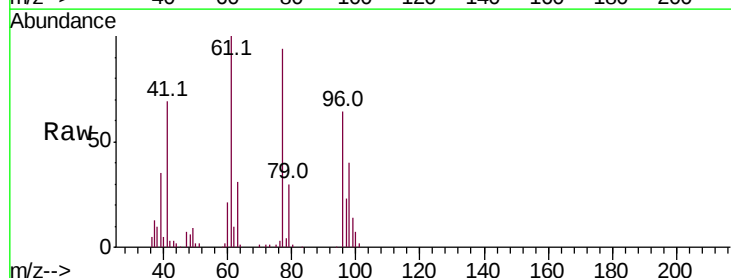
Acq: 31 Aug 2018 13:03

Tgt Ion: 77 Resp: 347852

Ion Ratio Lower Upper

77 100

97 24.9 13.0 38.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

120000

100000

80000

60000

40000

20000

0

5.55

5.40

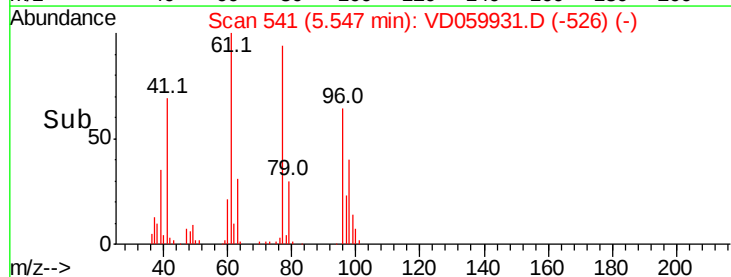
5.50

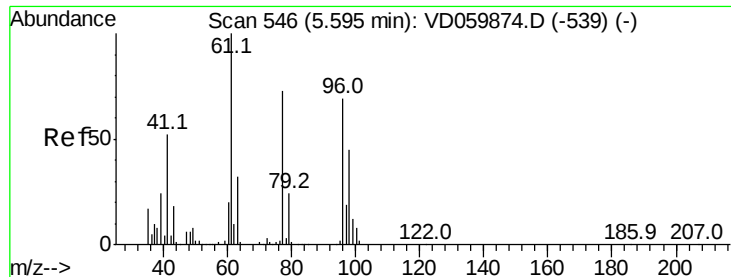
5.60

5.70

5.80

Time-->



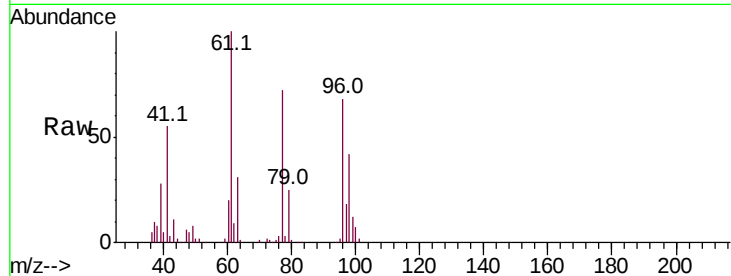


#27

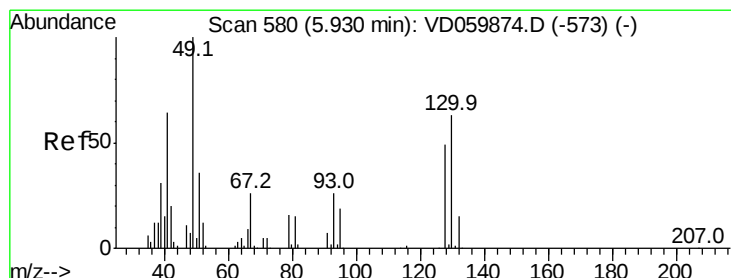
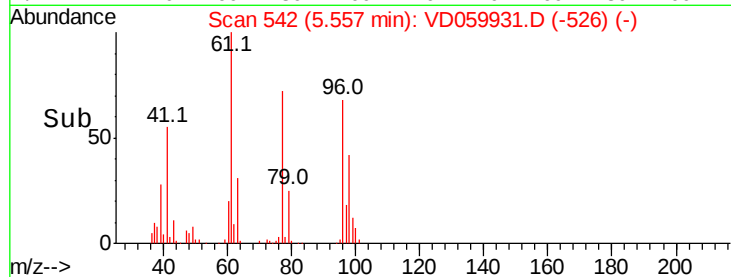
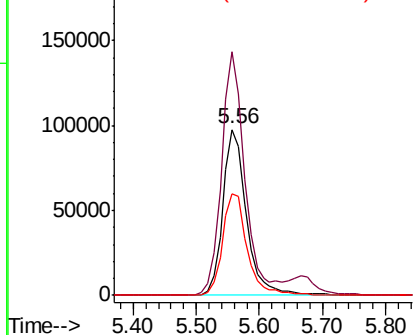
cis-1,2-Dichloroethene
Concen: 20.319 ug/l
RT: 5.56 min Scan# 542
Delta R.T. -0.04 min
Lab File: VD059931.D
Acq: 31 Aug 2018 13:03

Instrument :
MSVOA_D
ClientSampleId :
VD0831SBSD01

Tot Ion: 96 Resp: 253891
Ion Ratio Lower Upper
96 100
61 146.6 0.0 290.2
98 61.1 0.0 130.4



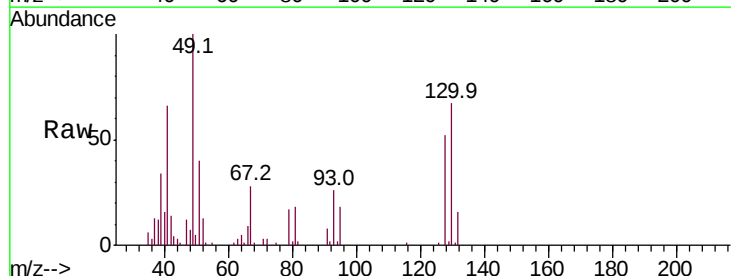
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



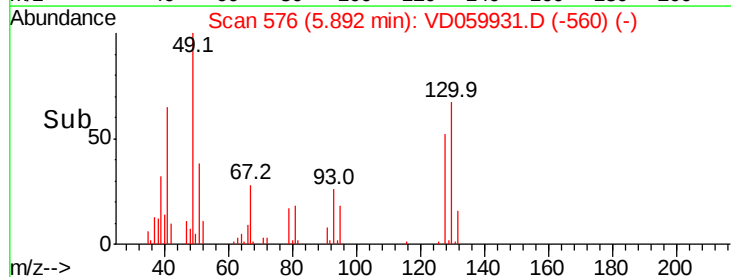
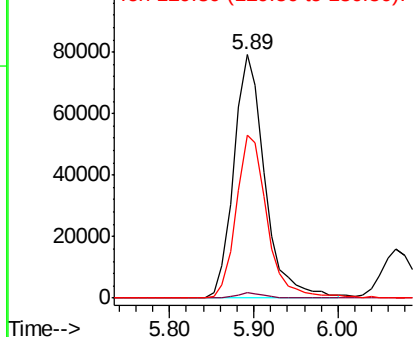
#28

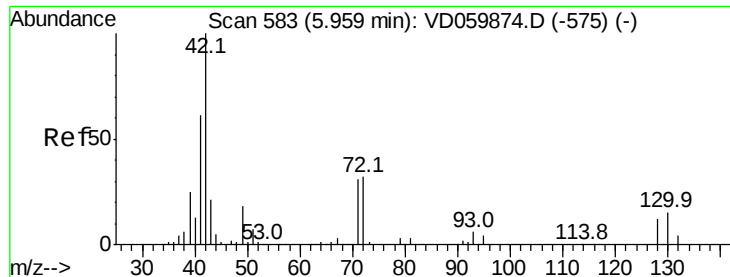
Bromochloromethane
Concen: 20.583 ug/l
RT: 5.89 min Scan# 576
Delta R.T. -0.04 min
Lab File: VD059931.D
Acq: 31 Aug 2018 13:03

Tgt Ion: 49 Resp: 203659
Ion Ratio Lower Upper
49 100
129 2.0 0.0 3.2
130 66.8 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: 106.261 ug/l

RT: 5.92 min Scan# 579

Delta R.T. -0.04 min

Lab File: VD059931.D

Acq: 31 Aug 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

VD0831SBS01

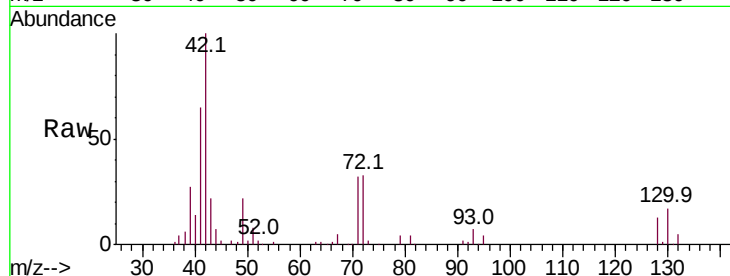
Tot Ion: 42 Resp: 272100

Ion Ratio Lower Upper

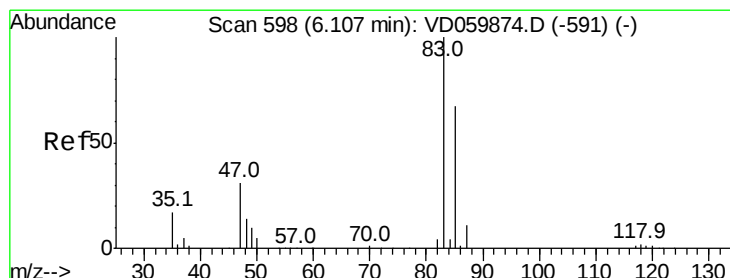
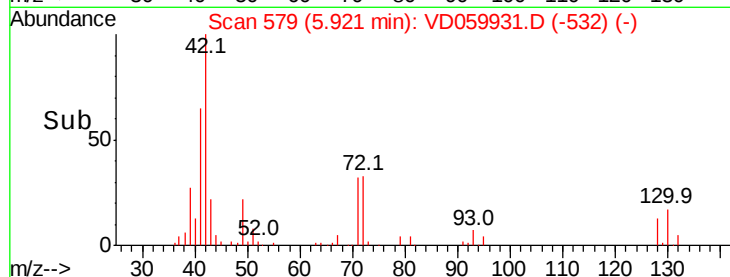
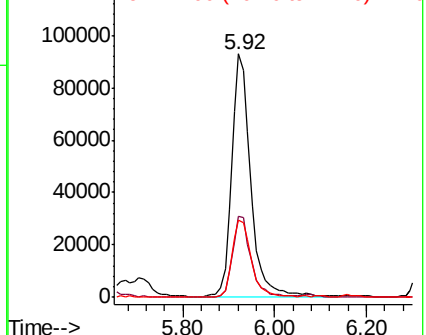
42 100

72 31.6 25.7 38.5

71 31.7 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: 20.627 ug/l

RT: 6.07 min Scan# 594

Delta R.T. -0.04 min

Lab File: VD059931.D

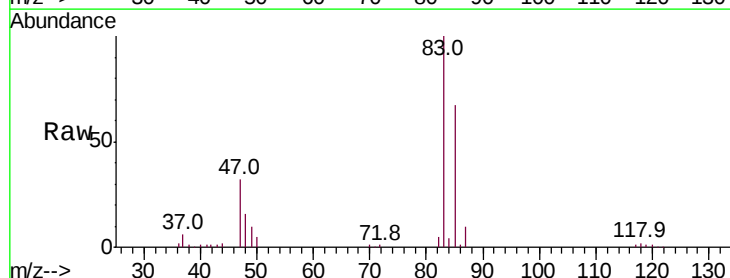
Acq: 31 Aug 2018 13:03

Tgt Ion: 83 Resp: 432767

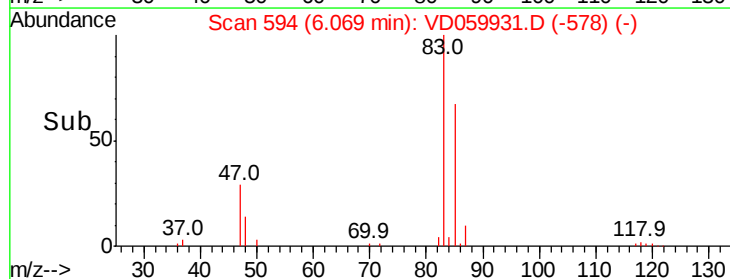
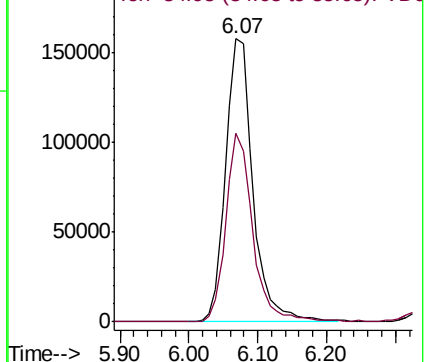
Ion Ratio Lower Upper

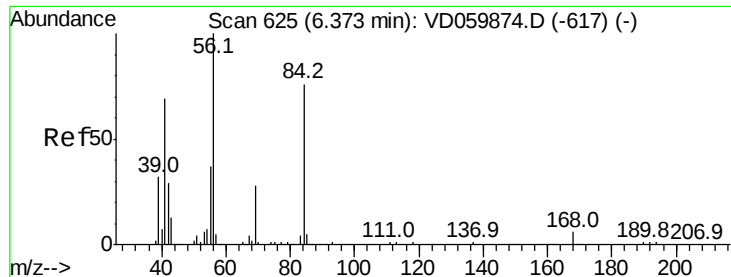
83 100

85 66.6 53.5 80.3



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

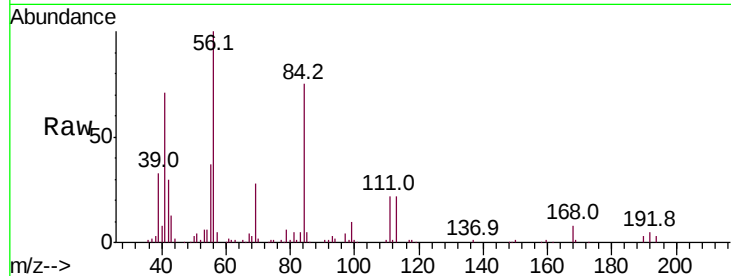




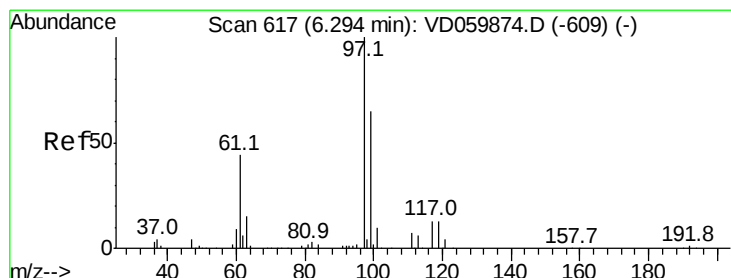
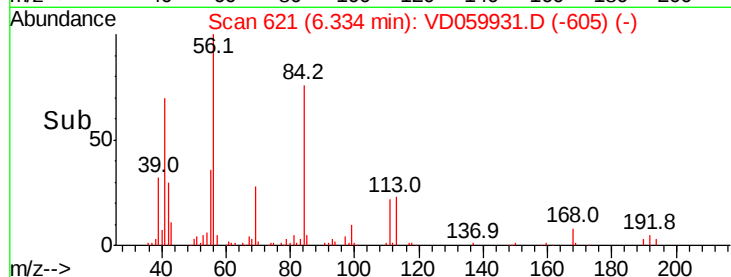
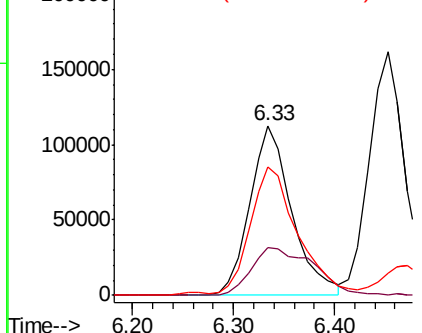
#31
Cyclohexane
Concen: 17.124 ug/l
RT: 6.33 min Scan# 621
Delta R.T. -0.04 min
Lab File: VD059931.D
Acq: 31 Aug 2018 13:03

Instrument :
MSVOA_D
ClientSampleId :
VD0831SBS01

Tot Ion: 56 Resp: 325004
Ion Ratio Lower Upper
56 100
69 27.9 22.4 33.6
84 75.3 62.1 93.1

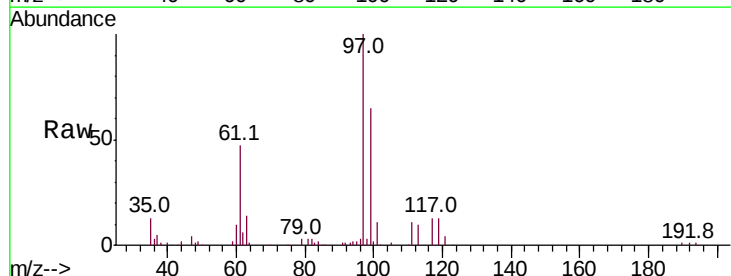


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

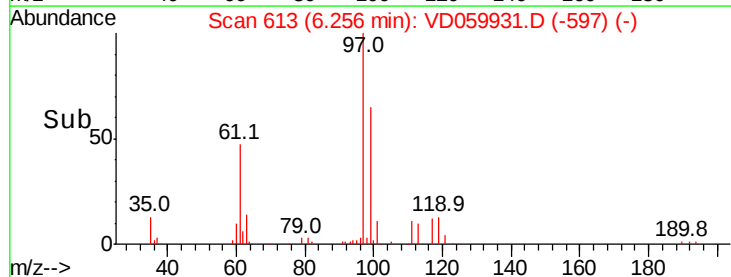
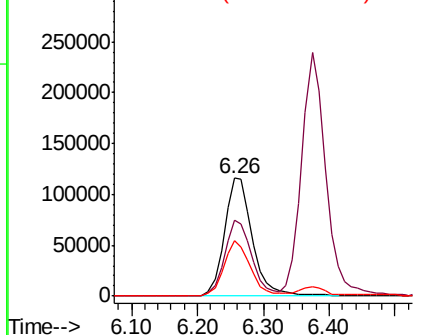


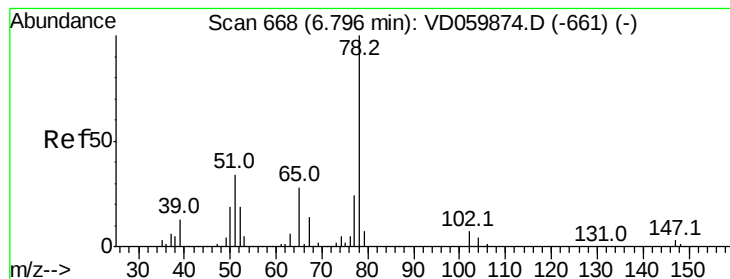
#32
1,1,1-Trichloroethane
Concen: 19.360 ug/l
RT: 6.26 min Scan# 613
Delta R.T. -0.04 min
Lab File: VD059931.D
Acq: 31 Aug 2018 13:03

Tgt Ion: 97 Resp: 344750
Ion Ratio Lower Upper
97 100
99 64.6 51.7 77.5
61 46.9 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: 19.360 ug/l

RT: 6.76 min Scan# 664

Delta R.T. -0.04 min

Lab File: VD059931.D

Acq: 31 Aug 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

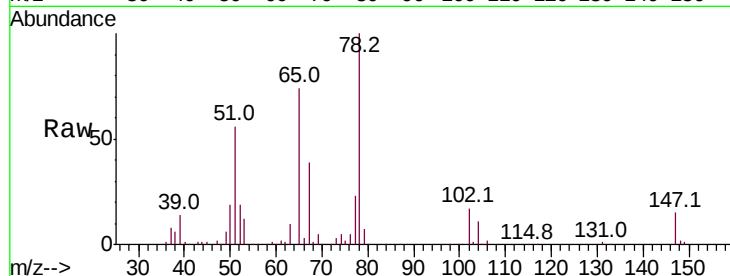
VD0831SBSD01

Tot Ion: 65 Resp: 494480

Ion Ratio Lower Upper

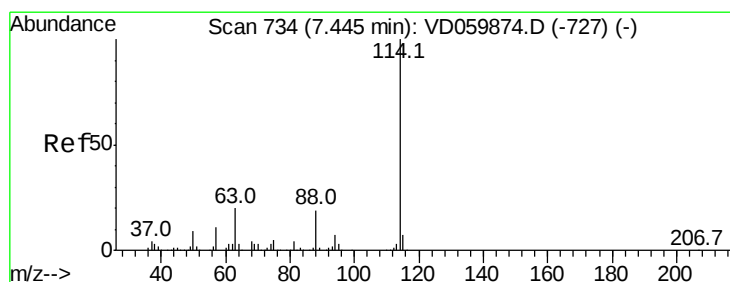
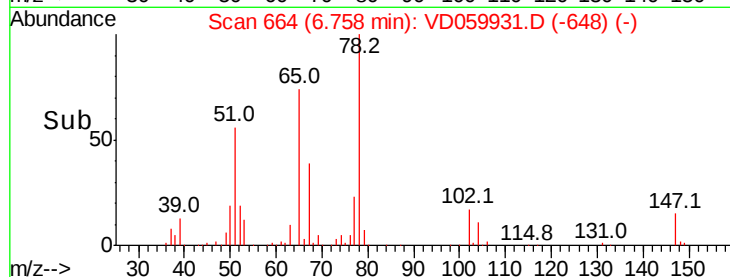
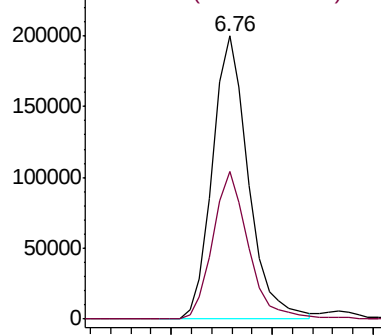
65 100

67 52.4 0.0 103.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.42 min Scan# 731

Delta R.T. -0.03 min

Lab File: VD059931.D

Acq: 31 Aug 2018 13:03

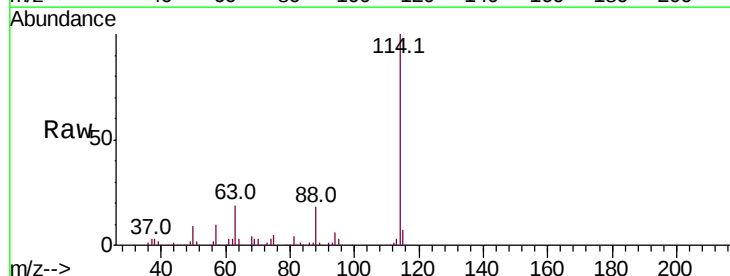
Tgt Ion:114 Resp: 1621628

Ion Ratio Lower Upper

114 100

63 18.9 0.0 39.4

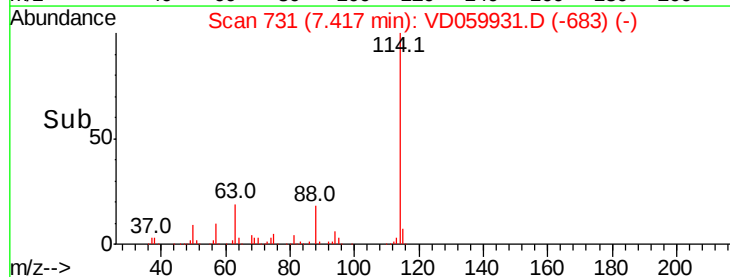
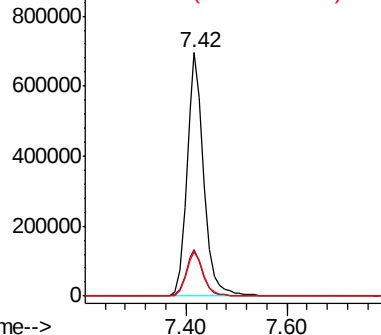
88 18.3 0.0 37.6

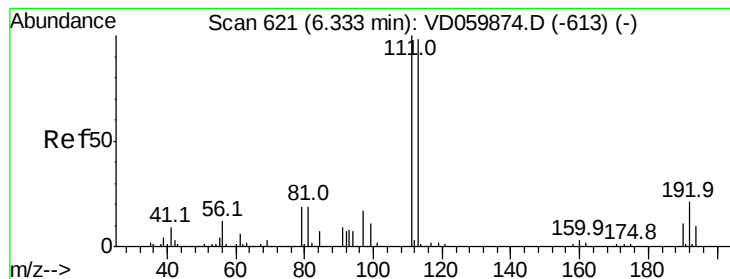


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.30 min Scan# 617

Delta R.T. -0.04 min

Lab File: VD059931.D

Acq: 31 Aug 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

VD0831SBS01

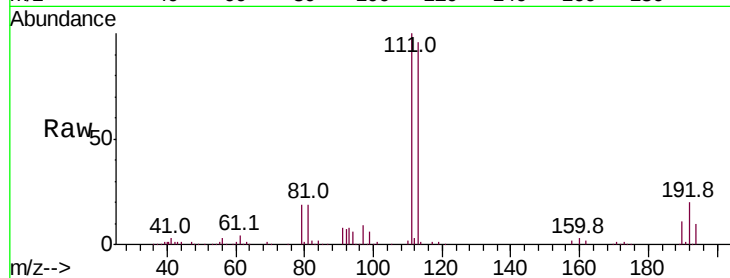
Tot Ion:113 Resp: 637948

Ion Ratio Lower Upper

113 100

111 104.0 81.4 122.2

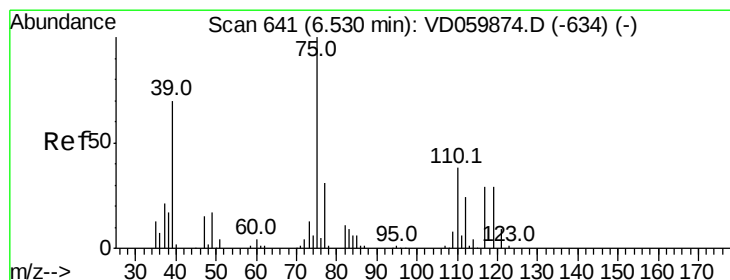
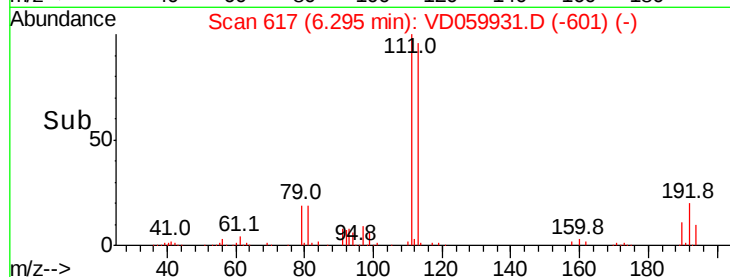
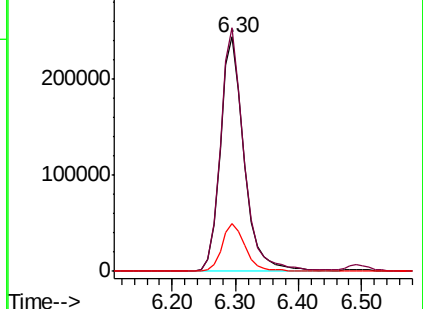
192 20.6 17.0 25.6



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: 19.044 ug/l

RT: 6.49 min Scan# 637

Delta R.T. -0.04 min

Lab File: VD059931.D

Acq: 31 Aug 2018 13:03

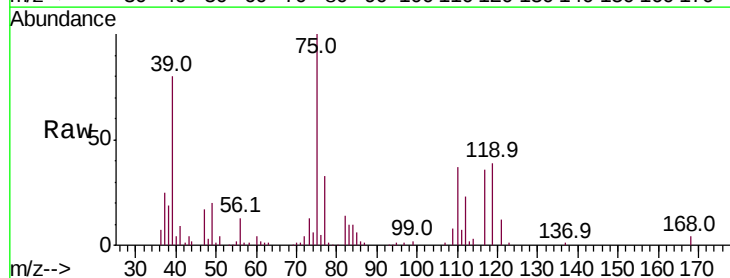
Tgt Ion: 75 Resp: 279952

Ion Ratio Lower Upper

75 100

110 37.0 18.6 56.0

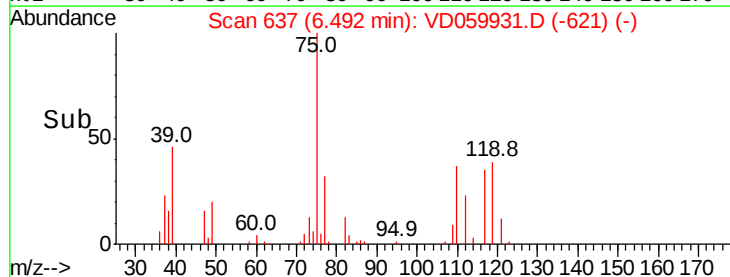
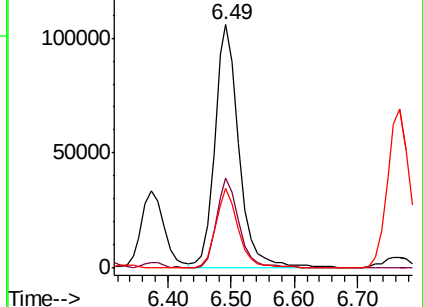
77 32.7 25.1 37.7

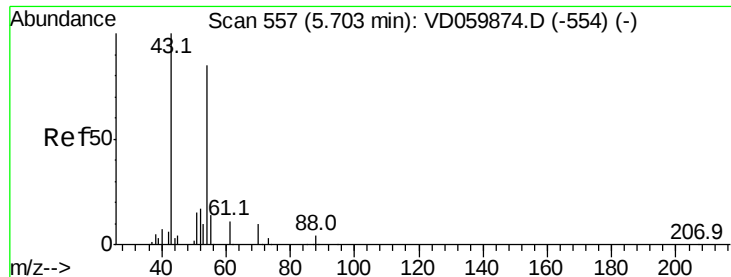


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

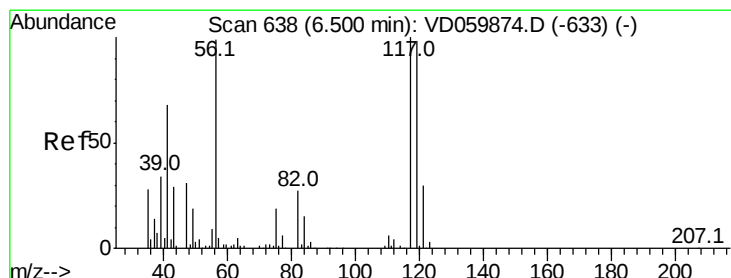
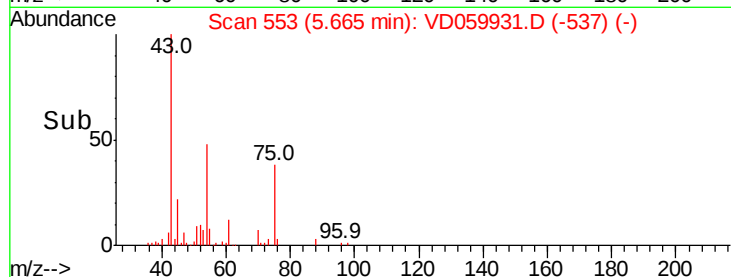
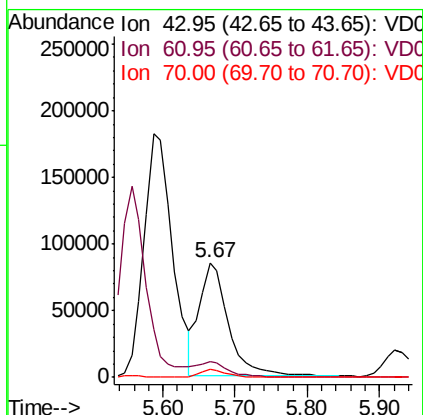
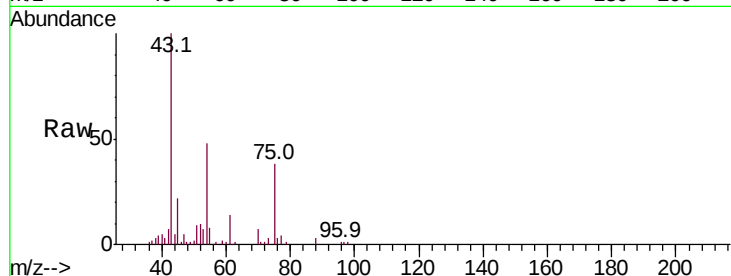




#37
Ethyl Acetate
Concen: 20.761 ug/l
RT: 5.67 min Scan# 553
Delta R.T. -0.04 min
Lab File: VD059931.D
Acq: 31 Aug 2018 13:03

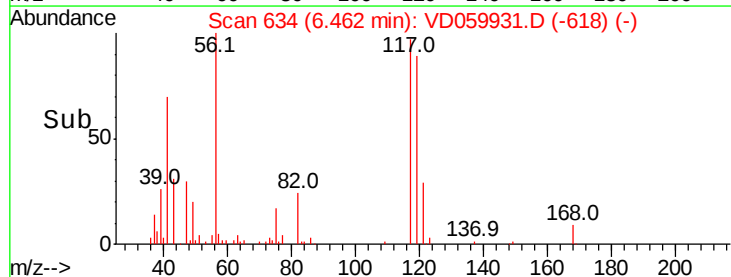
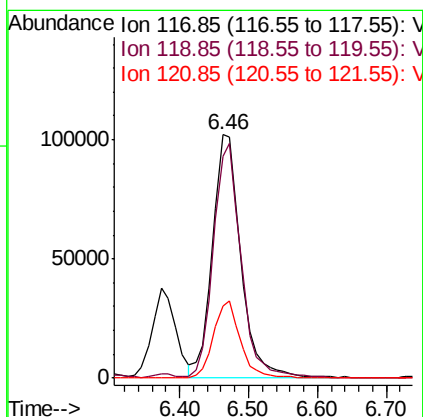
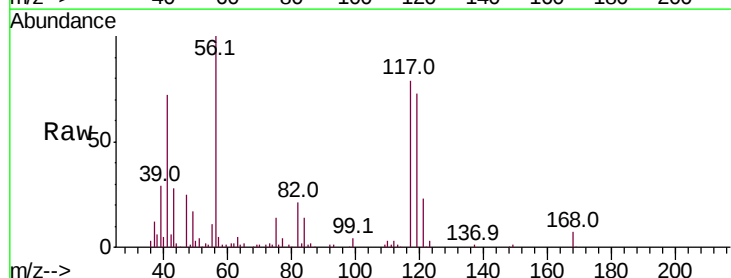
Instrument :
MSVOA_D
ClientSampleID :
VD0831SBS01

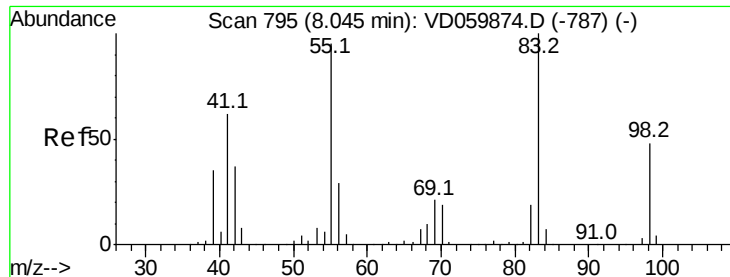
Tot Ion: 43 Resp: 237485
Ion Ratio Lower Upper
43 100
61 13.7 11.0 16.6
70 6.8 5.7 8.5



#38
Carbon Tetrachloride
Concen: 19.479 ug/l
RT: 6.46 min Scan# 634
Delta R.T. -0.04 min
Lab File: VD059931.D
Acq: 31 Aug 2018 13:03

Tgt Ion: 117 Resp: 288967
Ion Ratio Lower Upper
117 100
119 91.3 77.2 115.8
121 29.6 24.0 36.0

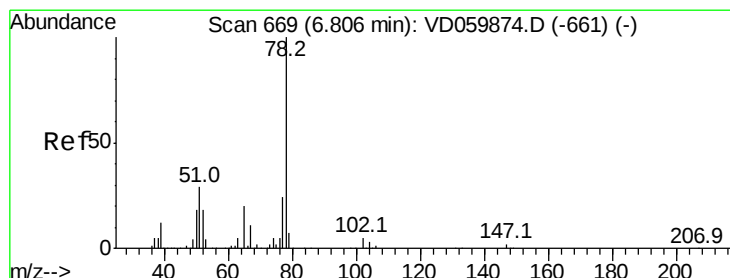
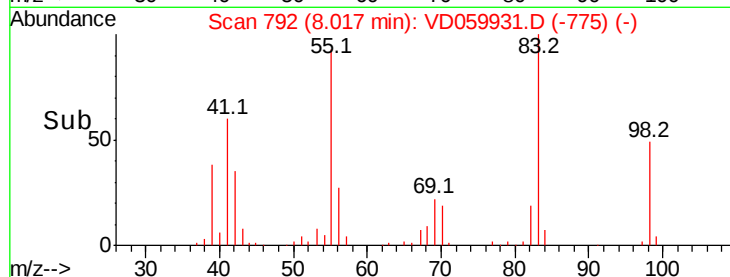
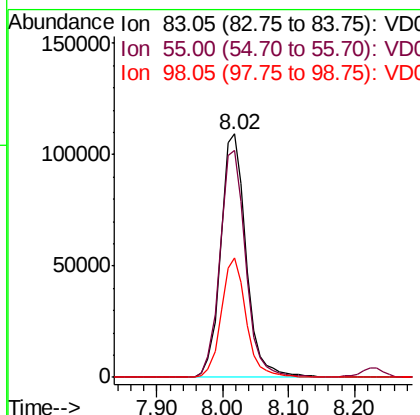
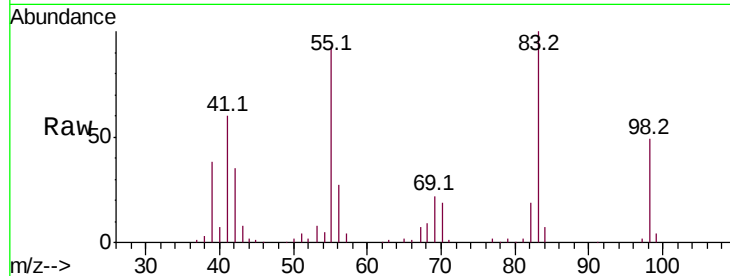




#39
Methvlcvclohexane
Concen: 18.481 ug/l
RT: 8.02 min Scan# 792
Delta R.T. -0.03 min
Lab File: VD059931.D
Acq: 31 Aug 2018 13:03

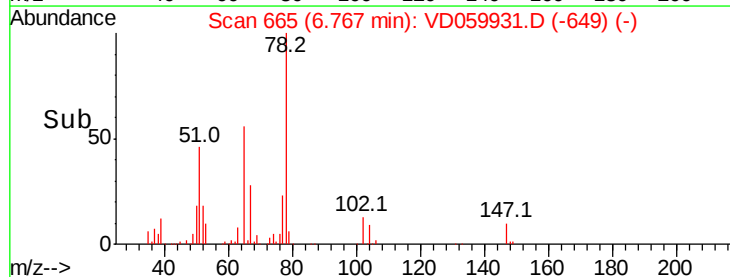
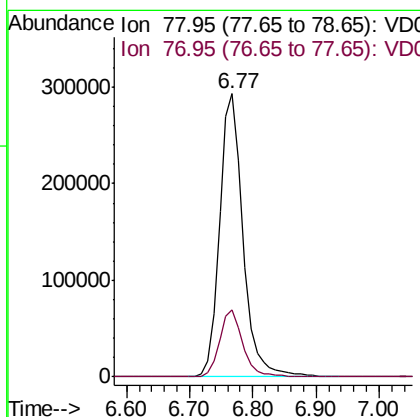
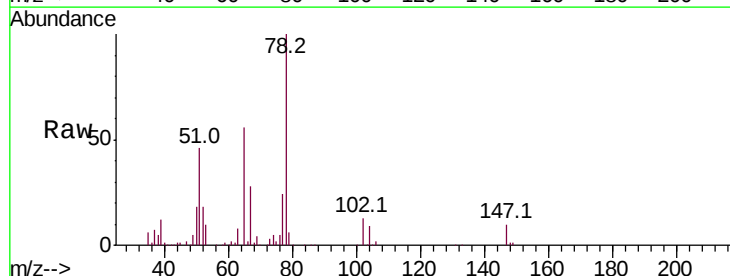
Instrument :
MSVOA_D
ClientSampleId :
VD0831SBSD01

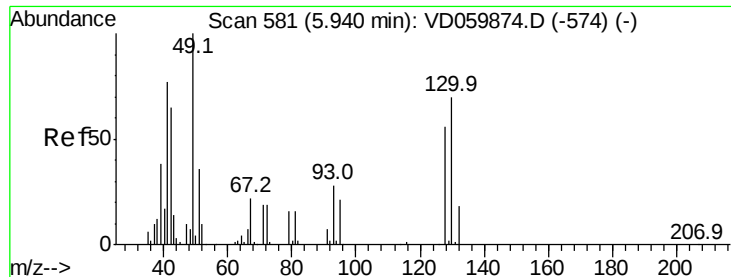
Tot Ion: 83 Resp: 293516
Ion Ratio Lower Upper
83 100
55 93.4 75.8 113.6
98 49.3 38.3 57.5



#40
Benzene
Concen: 19.867 ug/l
RT: 6.77 min Scan# 665
Delta R.T. -0.04 min
Lab File: VD059931.D
Acq: 31 Aug 2018 13:03

Tgt Ion: 78 Resp: 759390
Ion Ratio Lower Upper
78 100
77 23.6 19.0 28.4

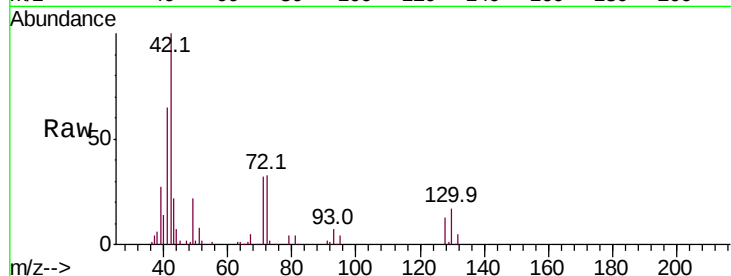




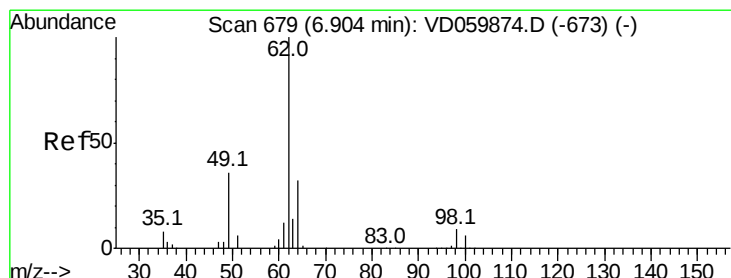
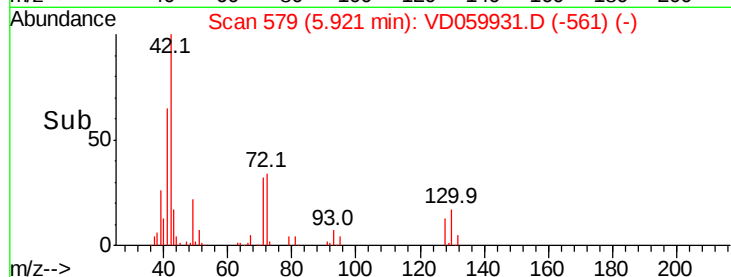
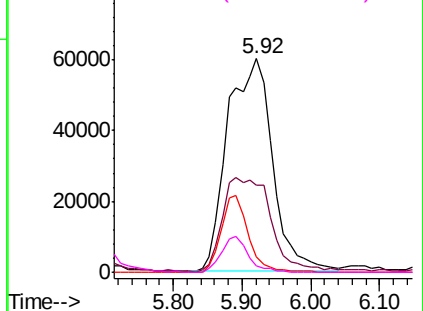
#41
Methacrylonitrile
Concen: 46.940 ug/l
RT: 5.92 min Scan# 579
Delta R.T. -0.02 min
Lab File: VD059931.D
Acq: 31 Aug 2018 13:03

Instrument :
MSVOA_D
ClientSampleId :
VD0831SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	41.0	39.4	59.2
67	7.5	22.2	33.2#
52	3.3	10.1	15.1#

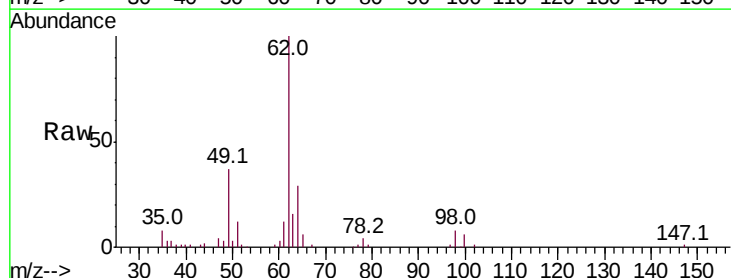


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

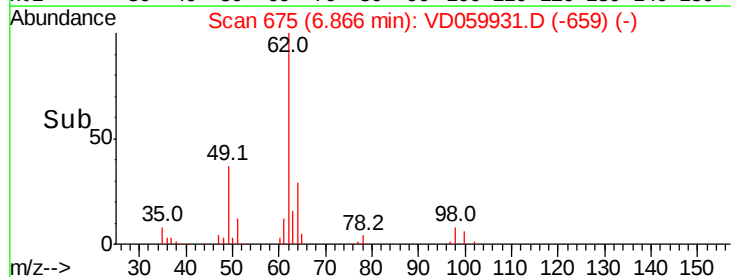
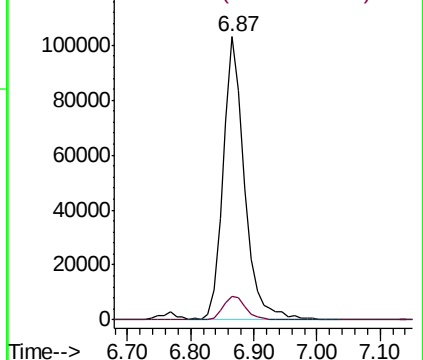


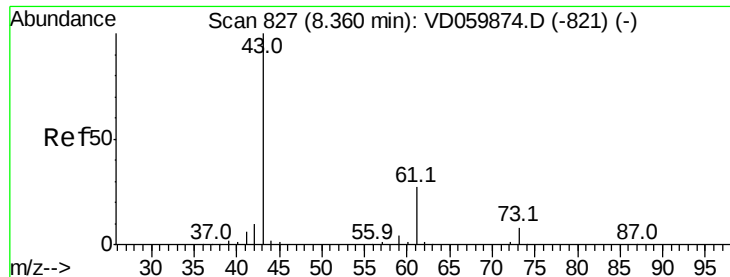
#42
1,2-Dichloroethane
Concen: 19.796 ug/l
RT: 6.87 min Scan# 675
Delta R.T. -0.04 min
Lab File: VD059931.D
Acq: 31 Aug 2018 13:03

Tgt 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



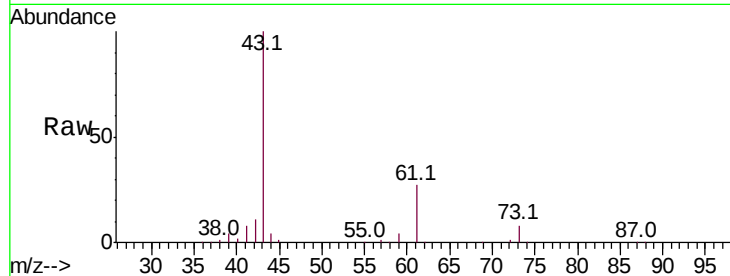


#43

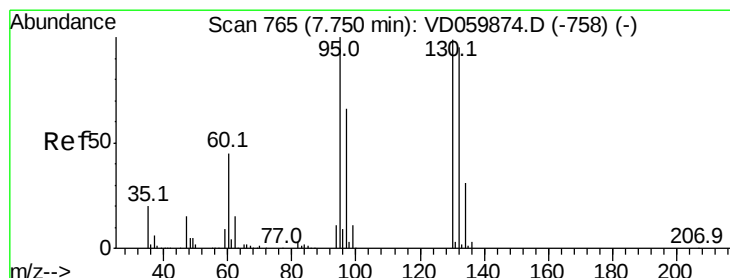
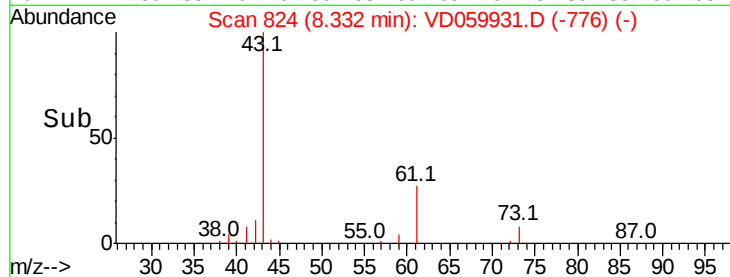
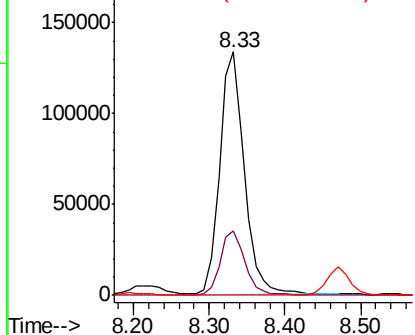
Isopropyl Acetate
 Concen: 20.205 ug/l
 RT: 8.33 min Scan# 824
 Delta R.T. -0.03 min
 Lab File: VD059931.D
 Acq: 31 Aug 2018 13:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0831SBSD01

Tot Ion: 43 Resp: 300682
 Ion Ratio Lower Upper
 43 100
 61 26.7 21.4 32.2
 87 0.2 0.2 0.4#



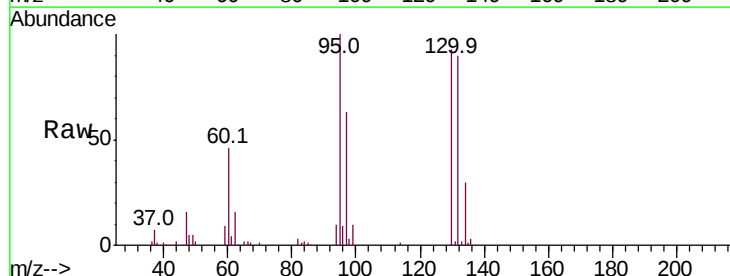
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



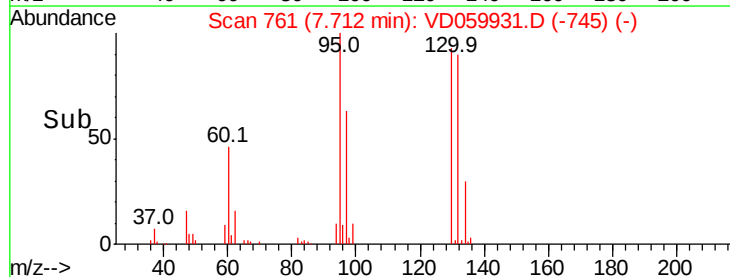
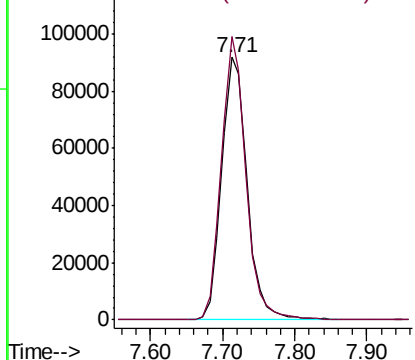
#44

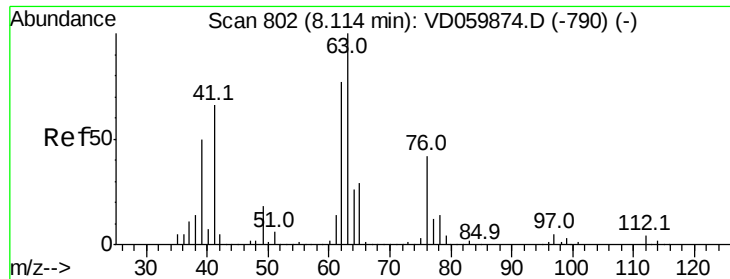
Trichloroethene
 Concen: 19.900 ug/l
 RT: 7.71 min Scan# 761
 Delta R.T. -0.04 min
 Lab File: VD059931.D
 Acq: 31 Aug 2018 13:03

Tgt Ion:130 Resp: 223961
 Ion Ratio Lower Upper
 130 100
 95 107.7 0.0 202.0



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





#45

1,2-Dichloropropane

Concen: 20.915 ug/l

RT: 8.08 min Scan# 798

Delta R.T. -0.04 min

Lab File: VD059931.D

Acq: 31 Aug 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

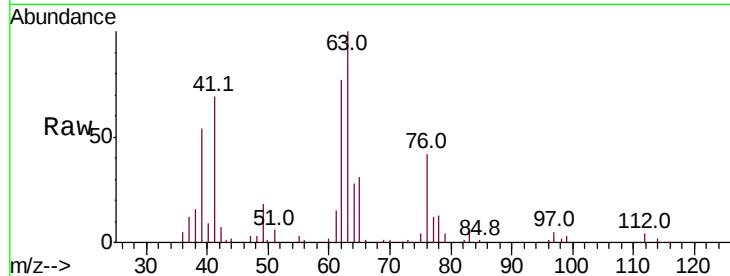
VD0831SBS01

Tot Ion: 63 Resp: 223457

Ion Ratio Lower Upper

63 100

65 30.7 23.5 35.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.08

100000

80000

60000

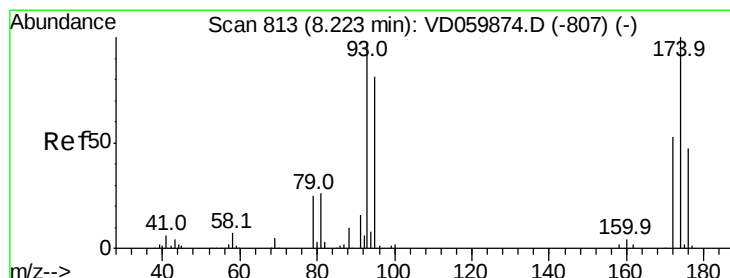
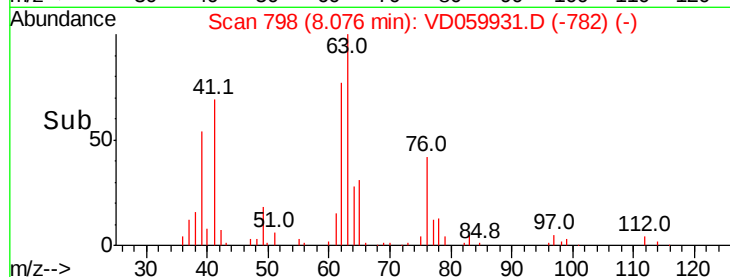
40000

20000

0

7.90 8.00 8.10 8.20 8.30

Time-->



#46

Dibromomethane

Concen: 20.439 ug/l

RT: 8.19 min Scan# 810

Delta R.T. -0.03 min

Lab File: VD059931.D

Acq: 31 Aug 2018 13:03

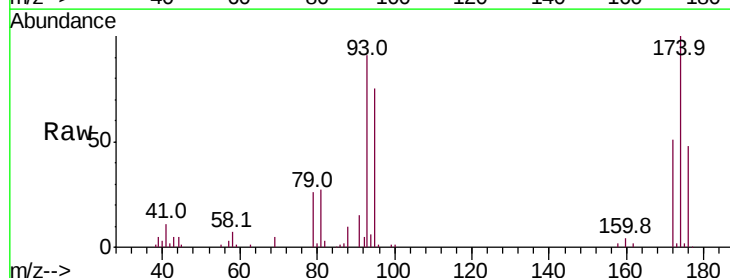
Tgt Ion: 93 Resp: 140408

Ion Ratio Lower Upper

93 100

95 82.8 66.6 100.0

174 110.3 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

80000

60000

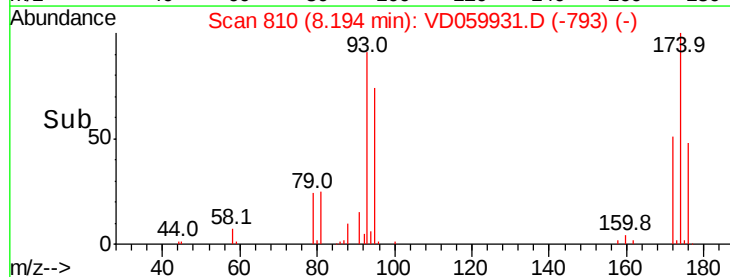
40000

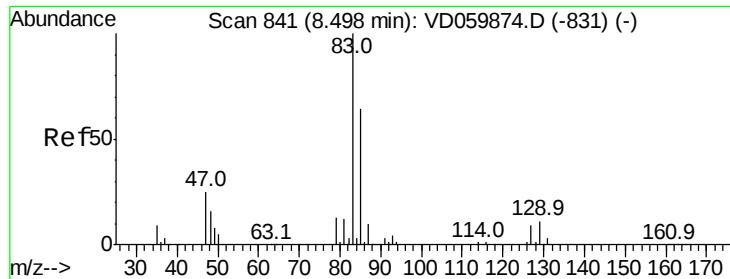
20000

0

8.10 8.20 8.30

Time-->





#47

Bromodichloromethane

Concen: 20.274 ug/l

RT: 8.47 min Scan# 838

Delta R.T. -0.03 min

Lab File: VD059931.D

Acq: 31 Aug 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

VD0831SBS01

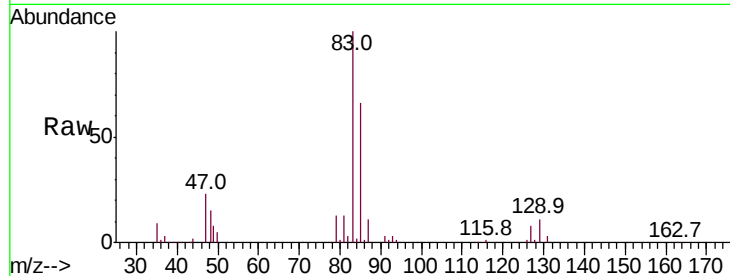
Tot Ion: 83 Resp: 315301

Ion Ratio Lower Upper

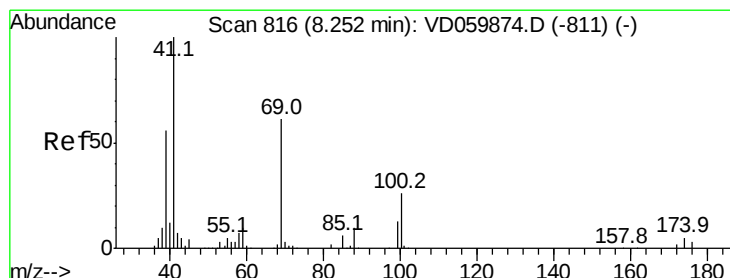
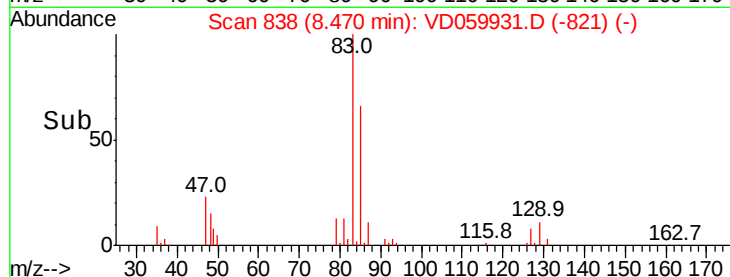
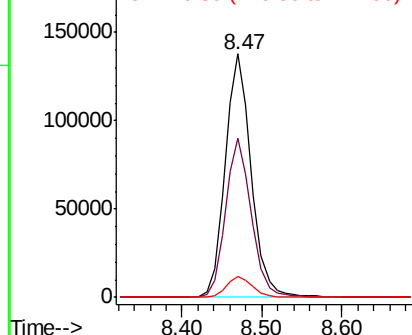
83 100

85 65.6 51.3 76.9

127 8.3 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: 21.210 ug/l

RT: 8.22 min Scan# 813

Delta R.T. -0.03 min

Lab File: VD059931.D

Acq: 31 Aug 2018 13:03

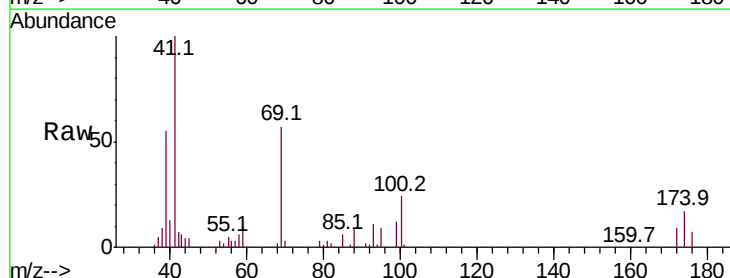
Tgt Ion: 41 Resp: 184002

Ion Ratio Lower Upper

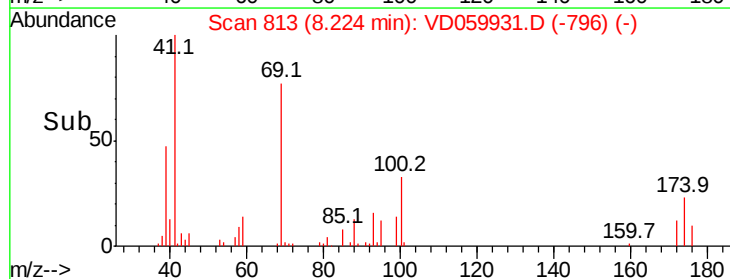
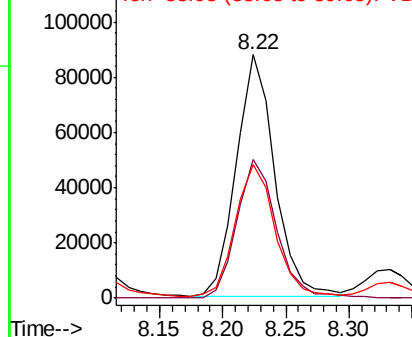
41 100

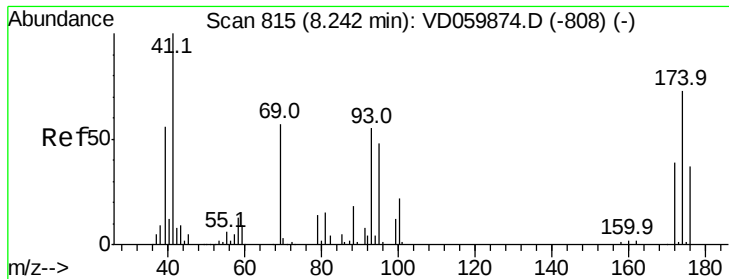
69 56.9 48.0 72.0

39 55.0 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: 441.833 ug/l

RT: 8.21 min Scan# 812

Delta R.T. -0.03 min

Lab File: VD059931.D

Acq: 31 Aug 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

VD0831SBSD01

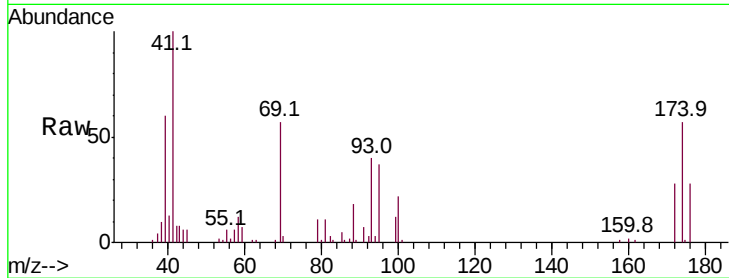
Tot Ion: 88 Resp: 34220

Ion Ratio Lower Upper

88 100

43 45.6 45.0 67.6

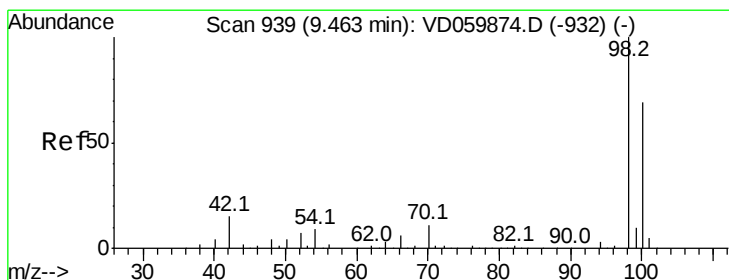
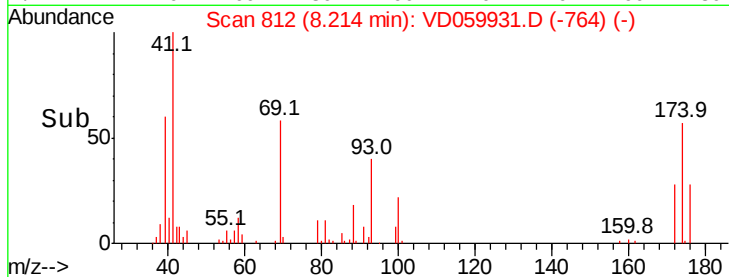
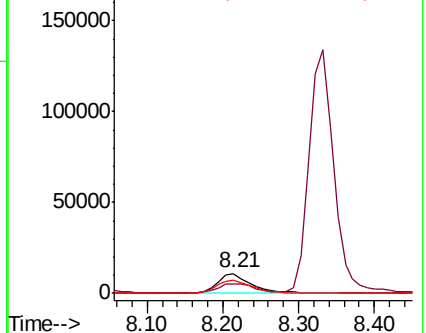
58 64.0 55.8 83.8



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: 441.833 ug/l

RT: 9.43 min Scan# 936

Delta R.T. -0.03 min

Lab File: VD059931.D

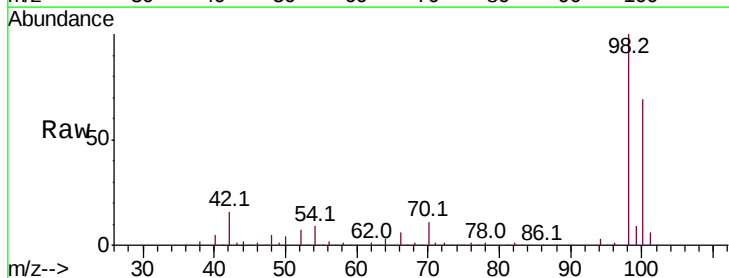
Acq: 31 Aug 2018 13:03

Tgt Ion: 98 Resp: 1744823

Ion Ratio Lower Upper

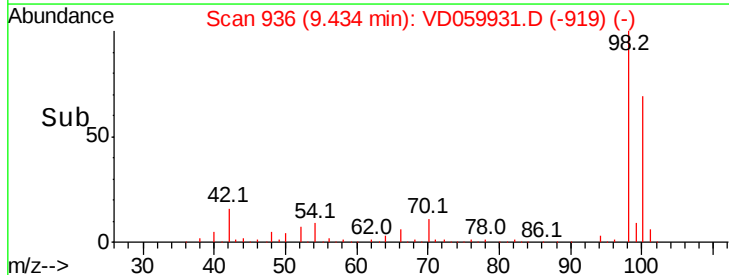
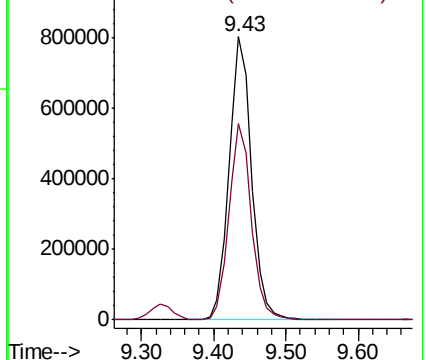
98 100

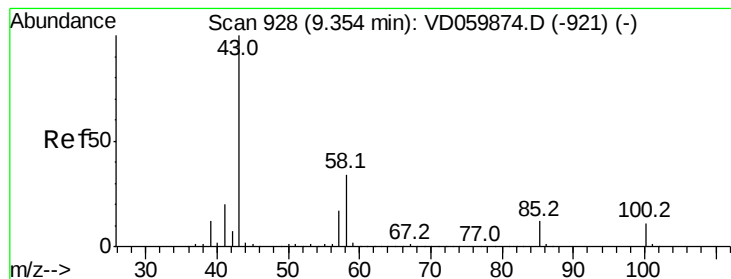
100 69.5 55.8 83.6



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 93.175 ug/l

RT: 9.33 min Scan# 925

Delta R.T. -0.03 min

Lab File: VD059931.D

Acq: 31 Aug 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

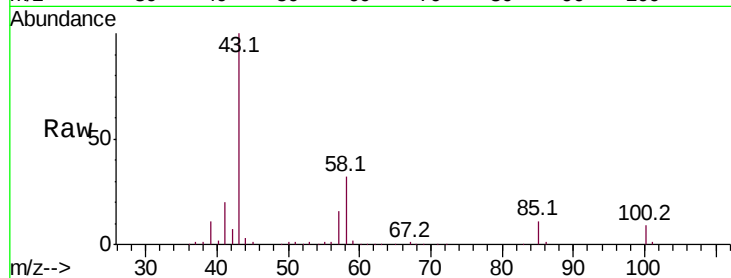
VD0831SBS01

Tot Ion: 43 Resp: 1033746

Ion Ratio Lower Upper

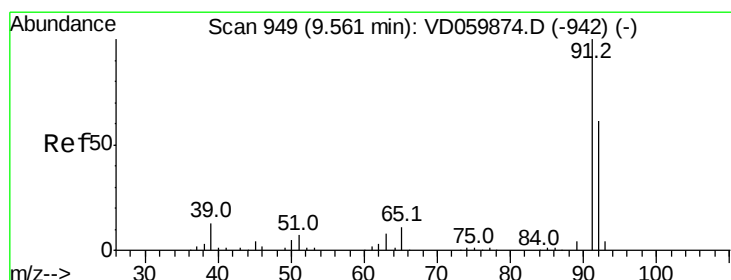
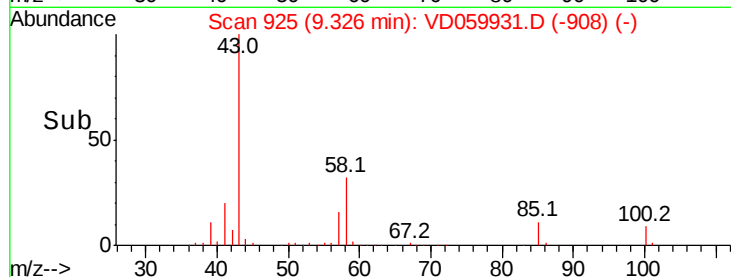
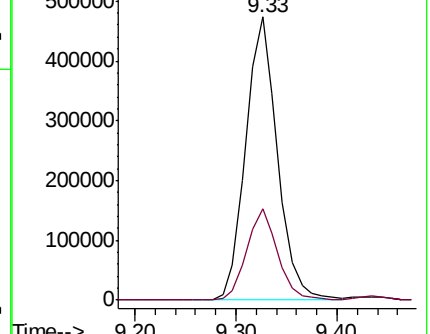
43 100

58 32.2 27.0 40.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 20.311 ug/l

RT: 9.53 min Scan# 946

Delta R.T. -0.03 min

Lab File: VD059931.D

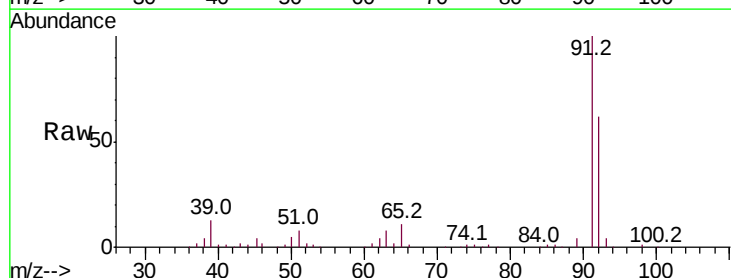
Acq: 31 Aug 2018 13:03

Tgt Ion: 92 Resp: 497826

Ion Ratio Lower Upper

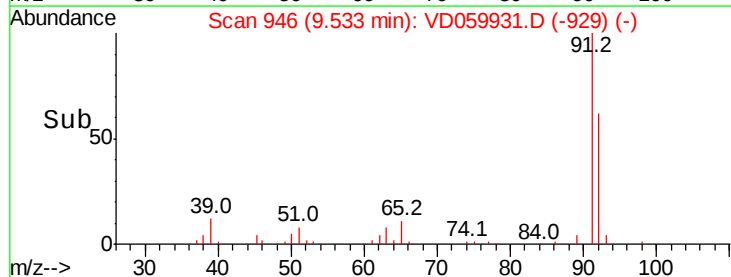
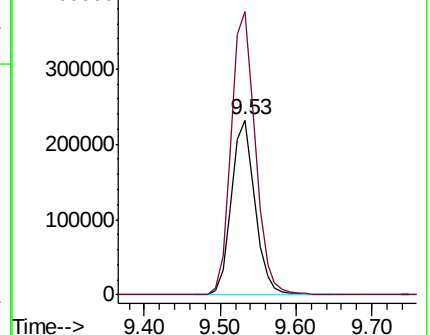
92 100

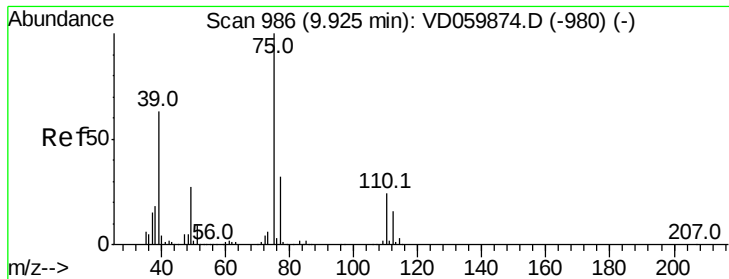
91 161.8 131.4 197.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 20.583 ug/l

RT: 9.90 min Scan# 983

Delta R.T. -0.03 min

Lab File: VD059931.D

Acq: 31 Aug 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

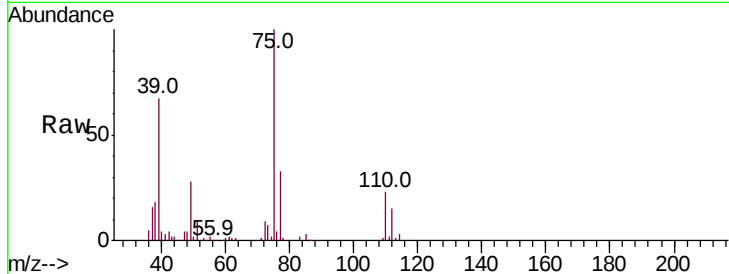
VD0831SBS01

Tot Ion: 75 Resp: 296077

Ion Ratio Lower Upper

75 100

77 33.3 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

9.90

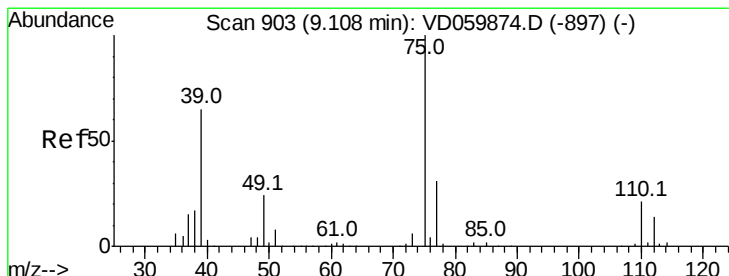
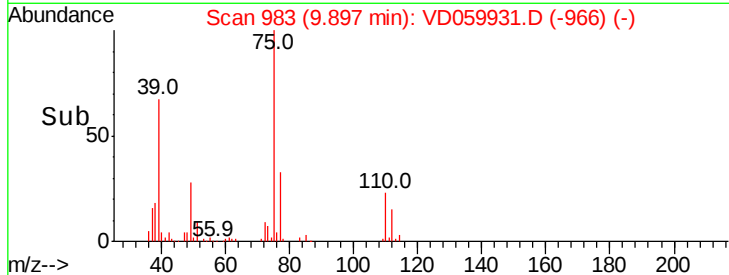
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 20.342 ug/l

RT: 9.08 min Scan# 900

Delta R.T. -0.03 min

Lab File: VD059931.D

Acq: 31 Aug 2018 13:03

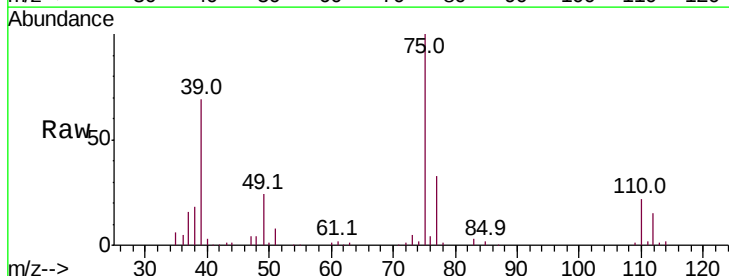
Tgt Ion: 75 Resp: 339263

Ion Ratio Lower Upper

75 100

77 32.6 24.8 37.2

39 69.1 52.1 78.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

200000

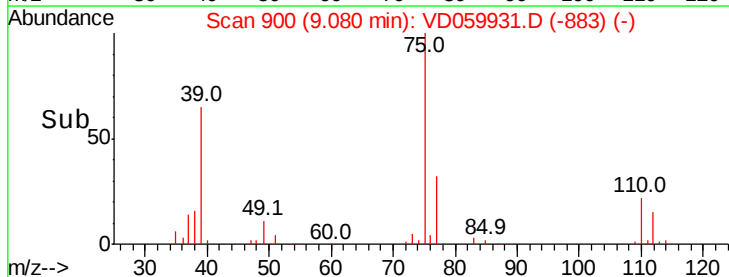
150000

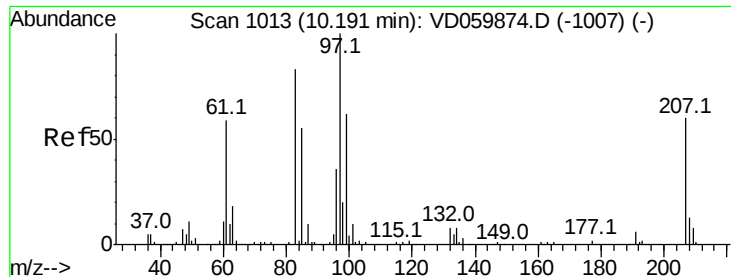
100000

50000

0

Time-->

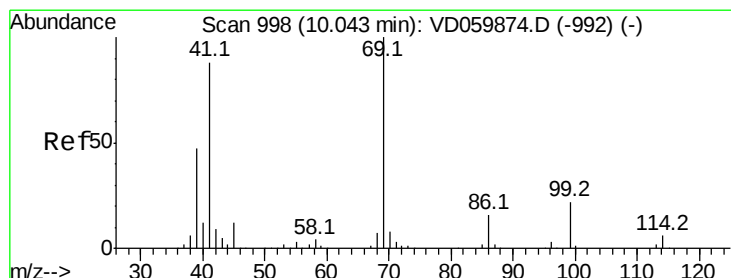
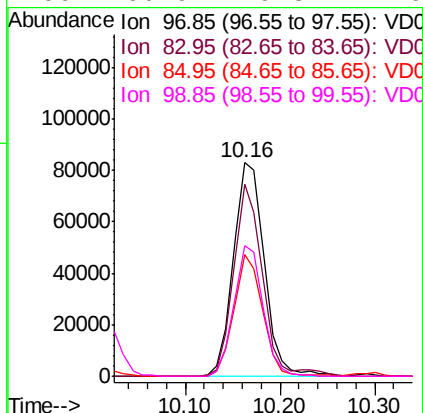
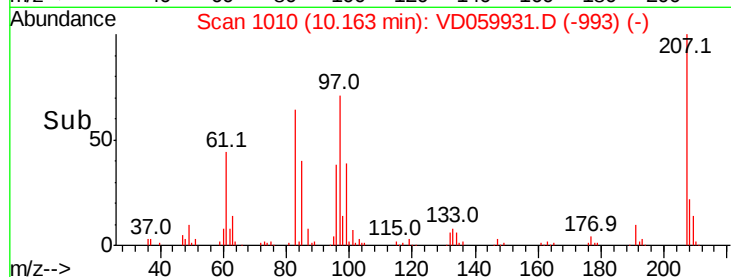
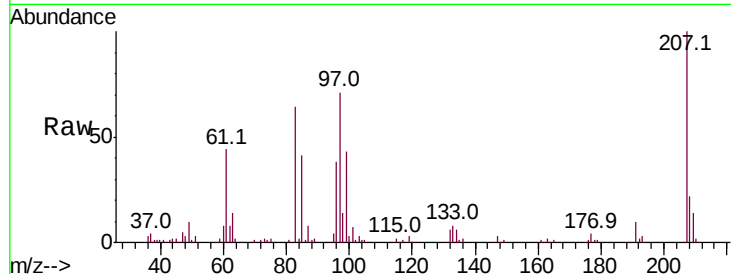




#55
 1,1,2-Trichloroethane
 Concen: 20.831 ug/l
 RT: 10.16 min Scan# 1010
 Delta R.T. -0.03 min
 Lab File: VD059931.D
 Acq: 31 Aug 2018 13:03

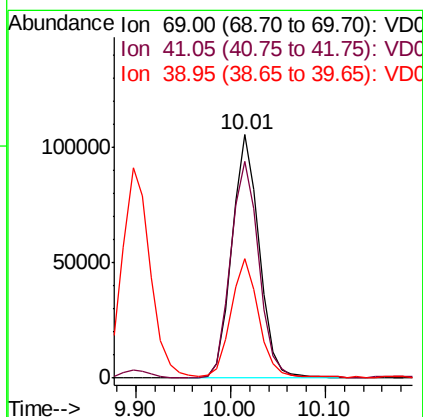
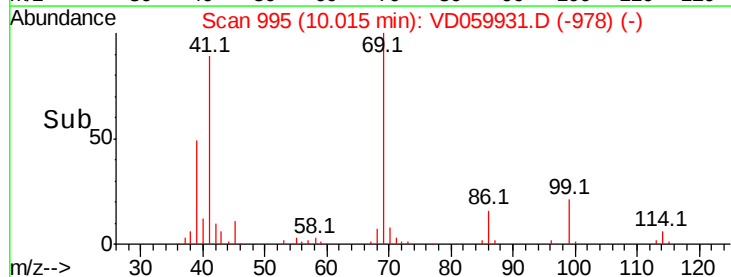
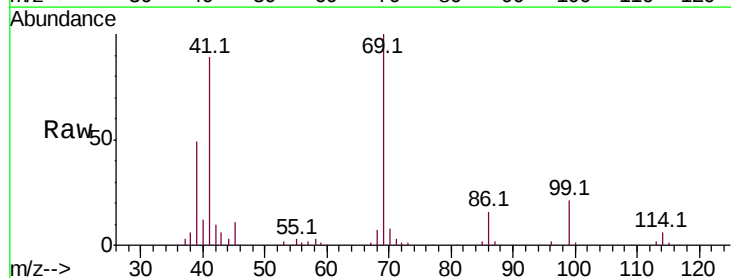
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0831SBSD01

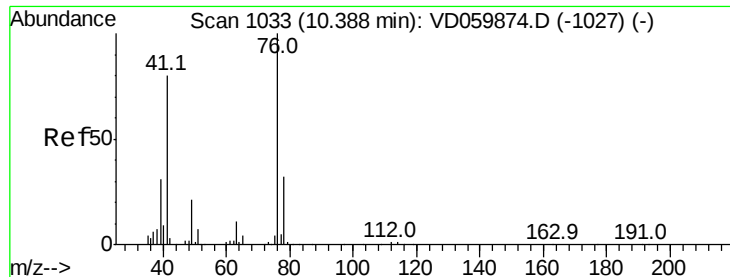
Tot Ion: 97 Resp: 186635
 Ion Ratio Lower Upper
 97 100
 83 89.9 66.7 100.1
 85 57.0 43.8 65.6
 99 60.9 49.8 74.6



#56
 Ethyl methacrylate
 Concen: 20.385 ug/l
 RT: 10.01 min Scan# 995
 Delta R.T. -0.03 min
 Lab File: VD059931.D
 Acq: 31 Aug 2018 13:03

Tgt Ion: 69 Resp: 210777
 Ion Ratio Lower Upper
 69 100
 41 89.1 71.0 106.4
 39 49.0 38.5 57.7

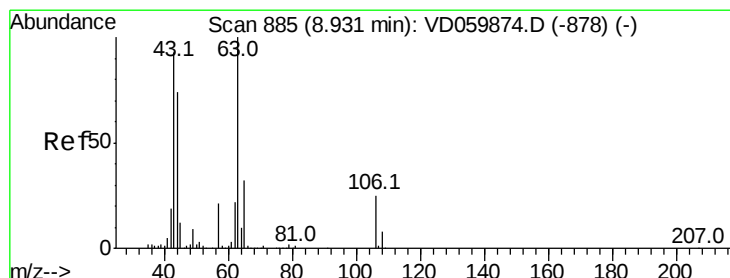
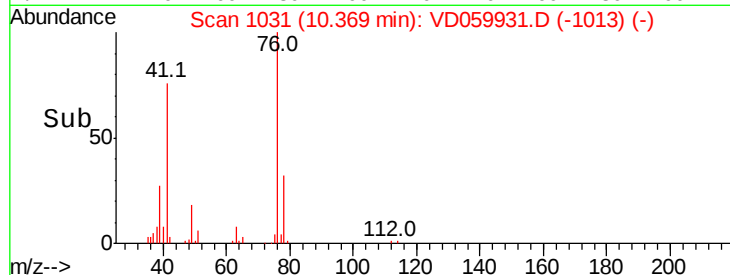
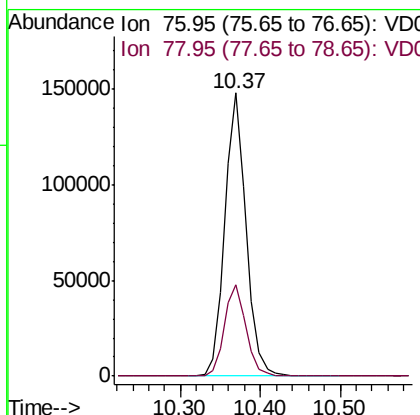
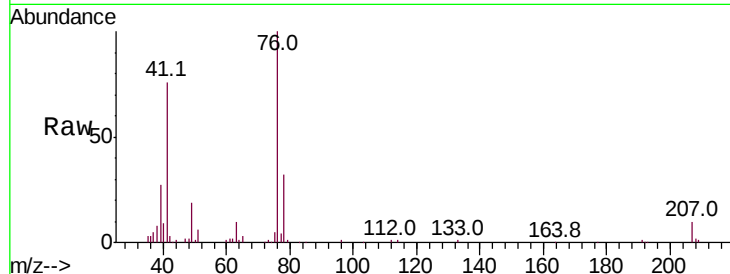




#57
 1,3-Dichloropropane
 Concen: 21.494 ug/l
 RT: 10.37 min Scan# 1031
 Delta R.T. -0.02 min
 Lab File: VD059931.D
 Acq: 31 Aug 2018 13:03

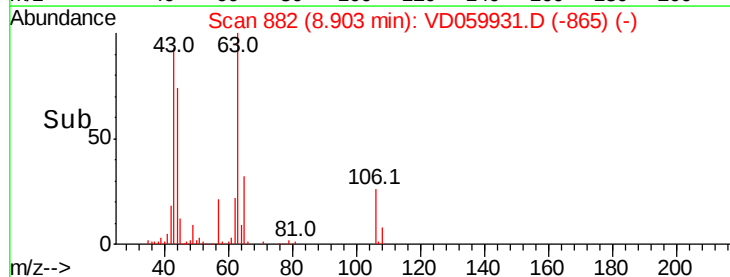
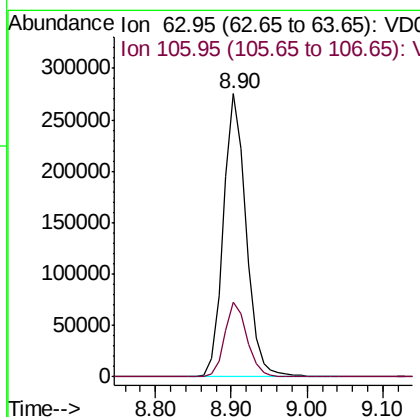
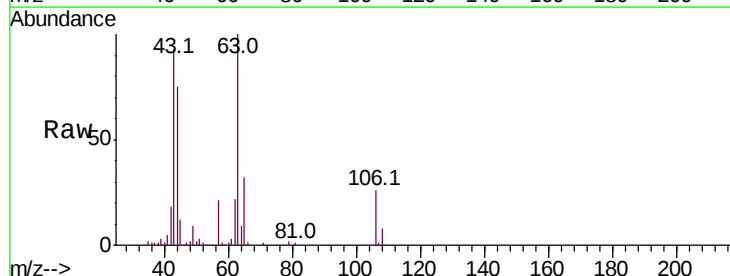
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0831SBSD01

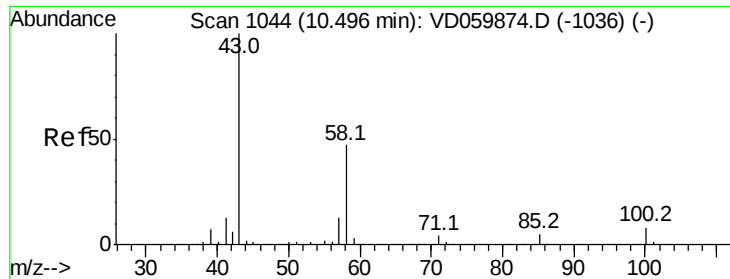
Tot Ion: 76 Resp: 278715
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 115.649 ug/l
 RT: 8.90 min Scan# 882
 Delta R.T. -0.03 min
 Lab File: VD059931.D
 Acq: 31 Aug 2018 13:03

Tgt Ion: 63 Resp: 573643
 Ion Ratio Lower Upper
 63 100
 106 26.2 20.1 30.1





#59

2-Hexanone

Concen: 97.293 ug/l

RT: 10.48 min Scan# 1042

Delta R.T. -0.02 min

Lab File: VD059931.D

Acq: 31 Aug 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

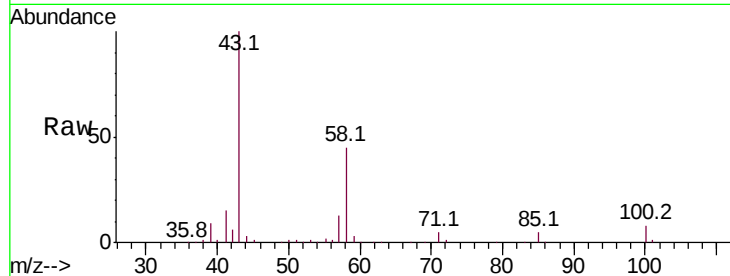
VD0831SBS01

Tot Ion: 43 Resp: 796173

Ion Ratio Lower Upper

43 100

58 45.0 23.3 69.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.48

400000

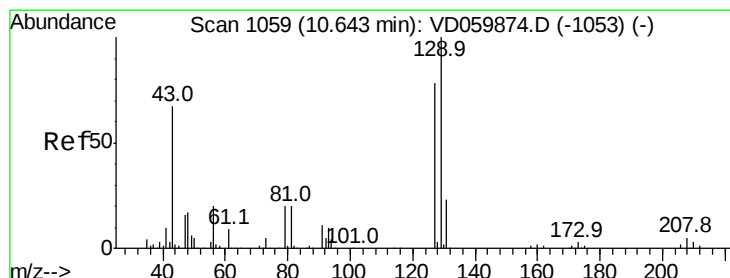
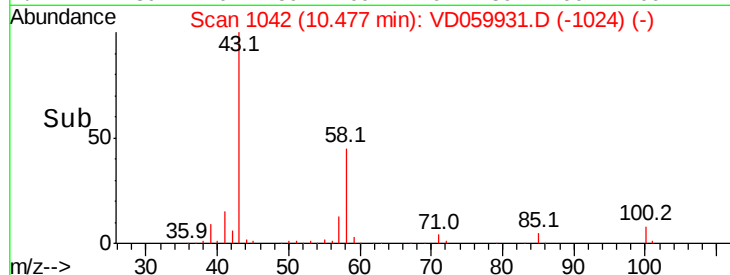
300000

200000

100000

0

Time-->



#60

Dibromochloromethane

Concen: 20.500 ug/l

RT: 10.63 min Scan# 1057

Delta R.T. -0.02 min

Lab File: VD059931.D

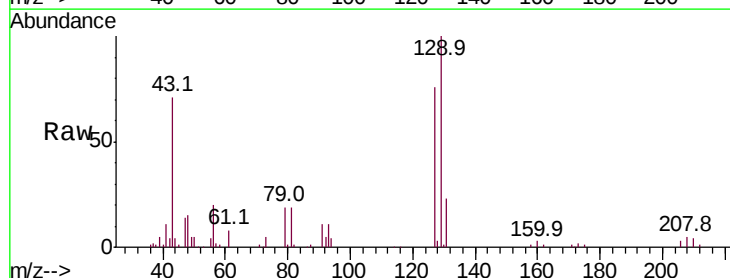
Acq: 31 Aug 2018 13:03

Tgt Ion: 129 Resp: 230852

Ion Ratio Lower Upper

129 100

127 75.6 39.1 117.2



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

10.63

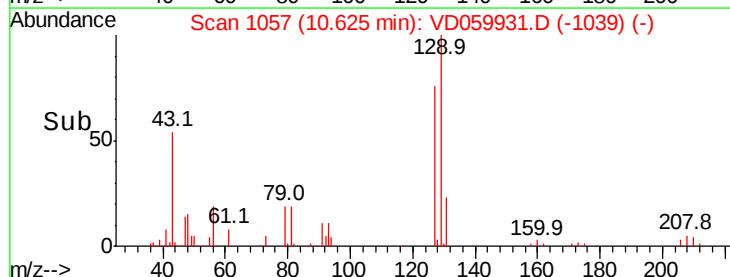
150000

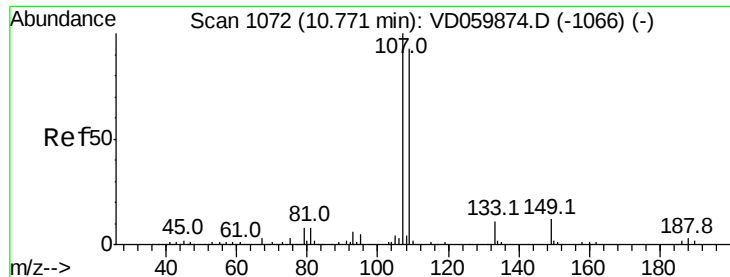
100000

50000

0

Time-->

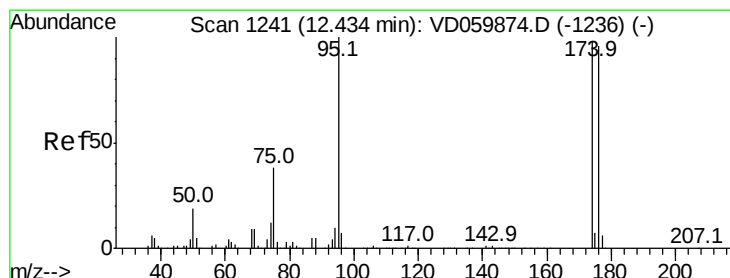
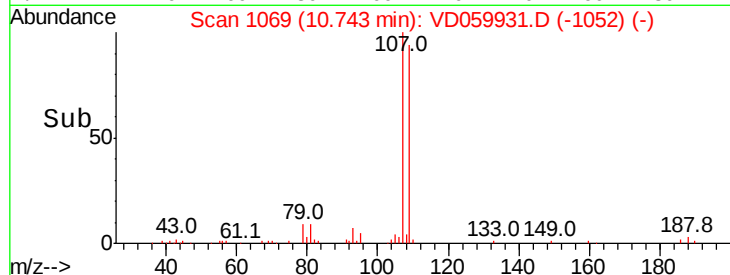
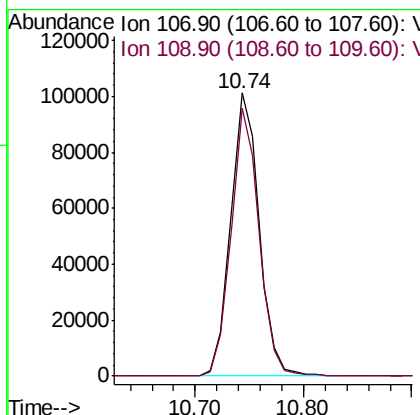
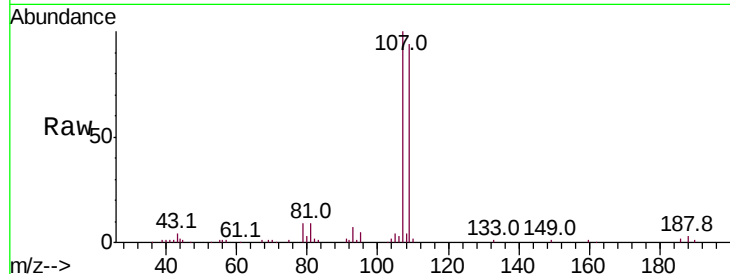




#61
 1,2-Dibromoethane
 Concen: 20.393 ug/l
 RT: 10.74 min Scan# 1069
 Delta R.T. -0.03 min
 Lab File: VD059931.D
 Acq: 31 Aug 2018 13:03

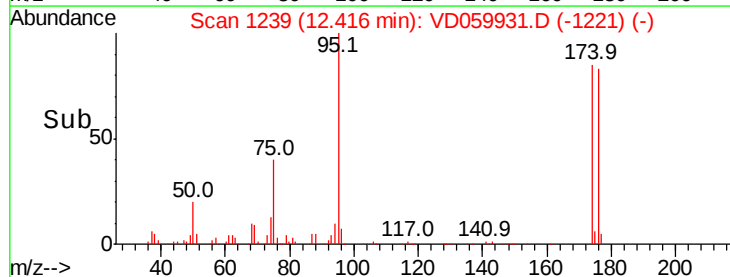
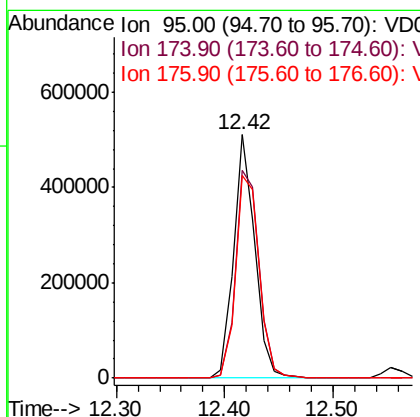
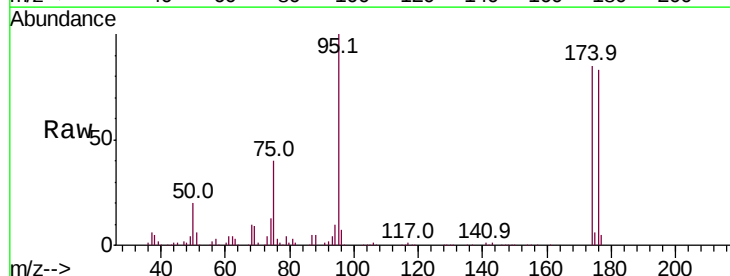
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0831SBSD01

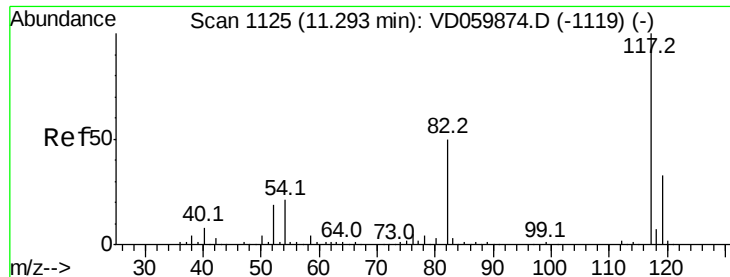
Tot Ion:107 Resp: 184739
 Ion Ratio Lower Upper
 107 100
 109 94.5 74.6 112.0



#62
 4-Bromofluorobenzene
 Concen: 20.393 ug/l
 RT: 12.42 min Scan# 1239
 Delta R.T. -0.02 min
 Lab File: VD059931.D
 Acq: 31 Aug 2018 13:03

Tgt Ion: 95 Resp: 698224
 Ion Ratio Lower Upper
 95 100
 174 85.2 0.0 195.6
 176 83.1 0.0 191.2

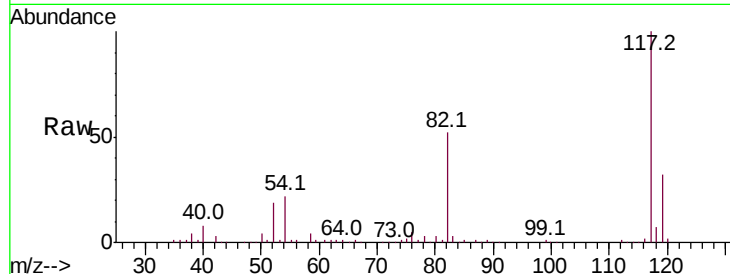




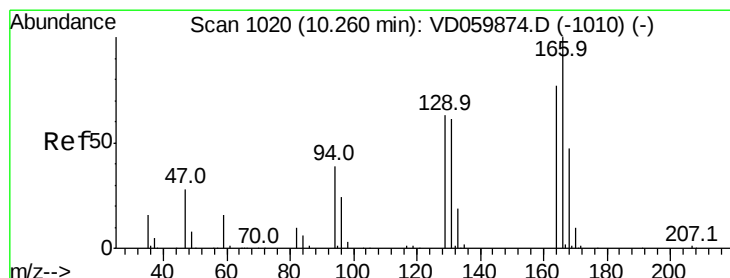
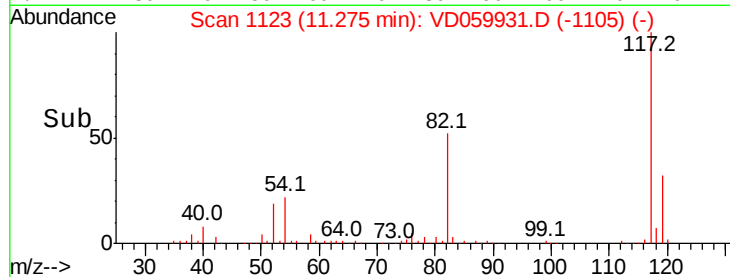
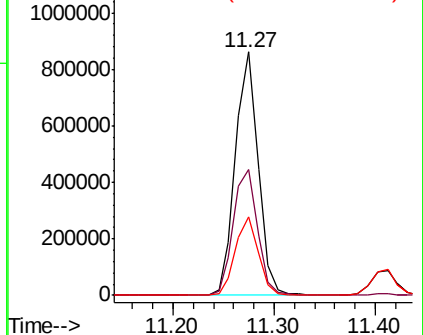
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.27 min Scan# 1123
Delta R.T. -0.02 min
Lab File: VD059931.D
Acq: 31 Aug 2018 13:03

Instrument :
MSVOA_D
ClientSampleId :
VD0831SBSD01

Tot Ion:117 Resp: 1357806
Ion Ratio Lower Upper
117 100
82 51.9 40.1 60.1
119 32.4 26.7 40.1

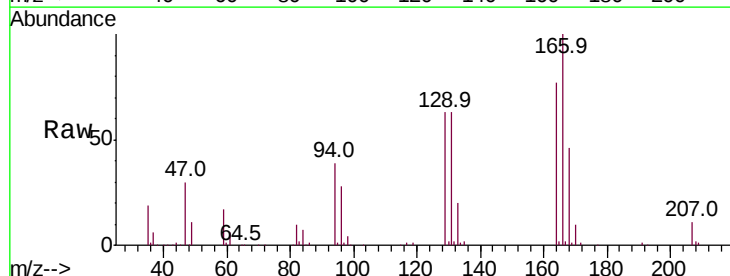


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

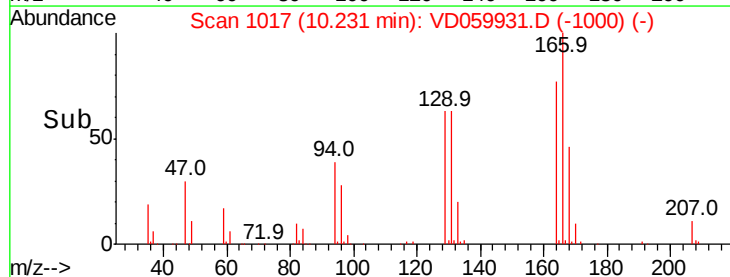
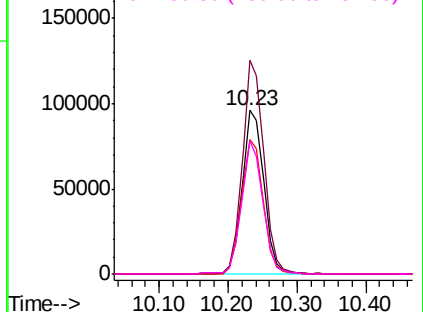


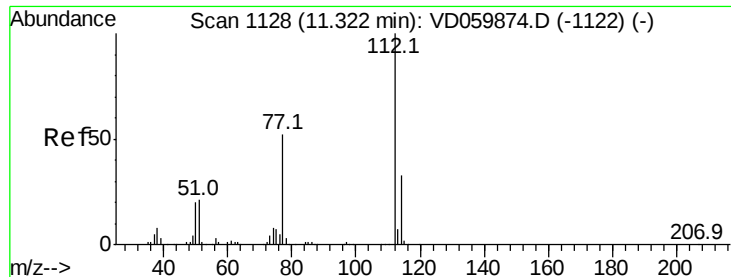
#64
Tetrachloroethene
Concen: 19.977 ug/l
RT: 10.23 min Scan# 1017
Delta R.T. -0.03 min
Lab File: VD059931.D
Acq: 31 Aug 2018 13:03

Tgt Ion:164 Resp: 209740
Ion Ratio Lower Upper
164 100
166 130.7 103.4 155.2
129 82.2 65.2 97.8
131 81.8 63.1 94.7



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

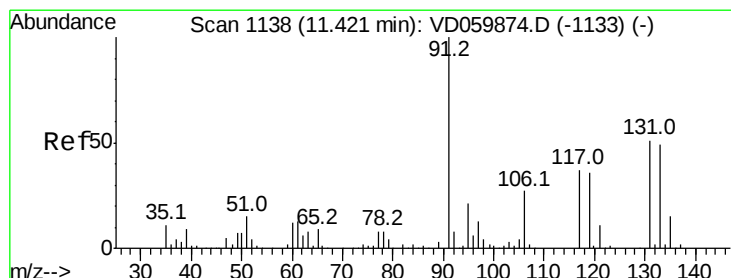
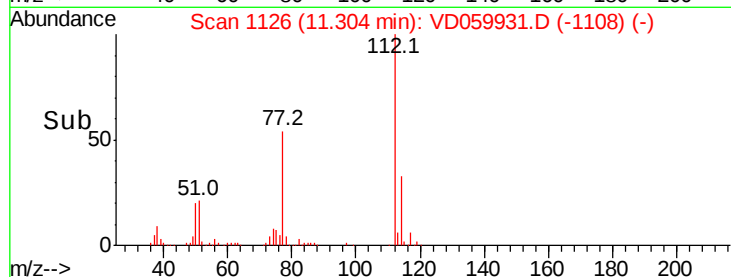
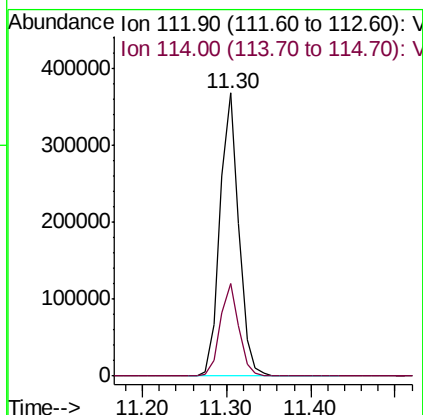
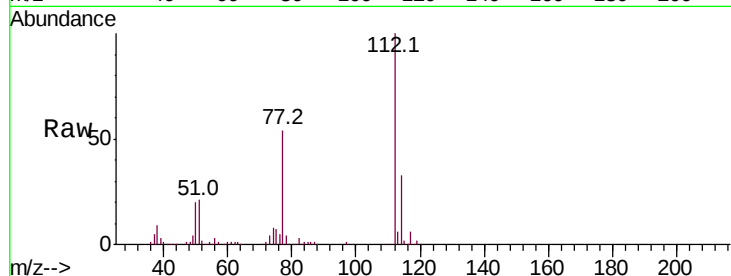




#65
Chlorobenzene
Concen: 21.156 ug/l
RT: 11.30 min Scan# 1126
Delta R.T. -0.02 min
Lab File: VD059931.D
Acq: 31 Aug 2018 13:03

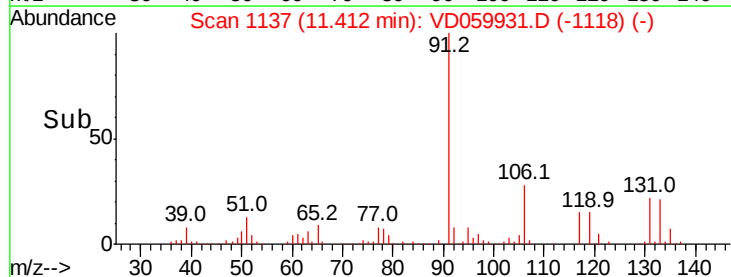
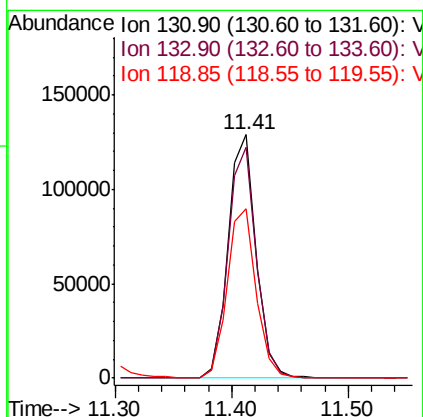
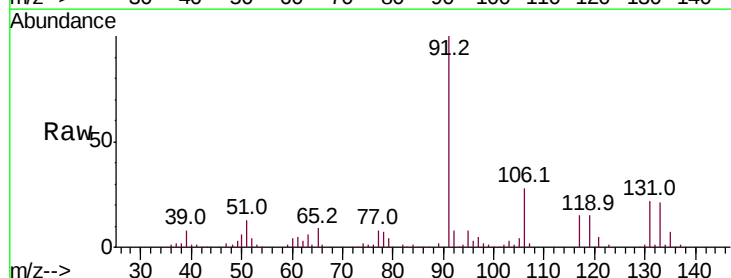
Instrument :
MSVOA_D
ClientSampleId :
VD0831SBSD01

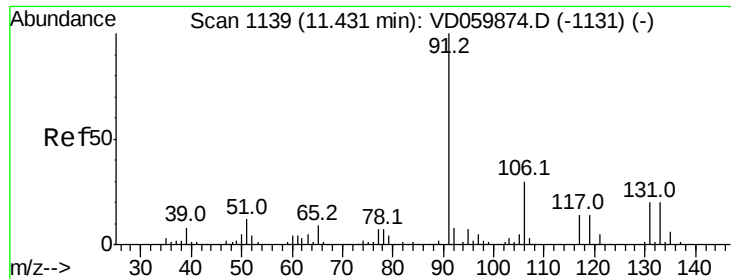
Tot Ion:112 Resp: 570824
Ion Ratio Lower Upper
112 100
114 32.7 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 21.661 ug/l
RT: 11.41 min Scan# 1137
Delta R.T. -0.01 min
Lab File: VD059931.D
Acq: 31 Aug 2018 13:03

Tgt Ion:131 Resp: 213527
Ion Ratio Lower Upper
131 100
133 94.6 48.3 144.8
119 69.7 35.4 106.3

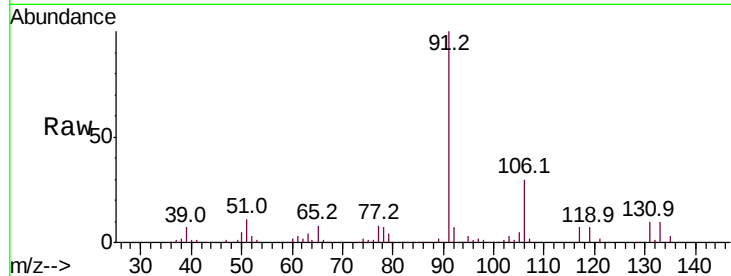




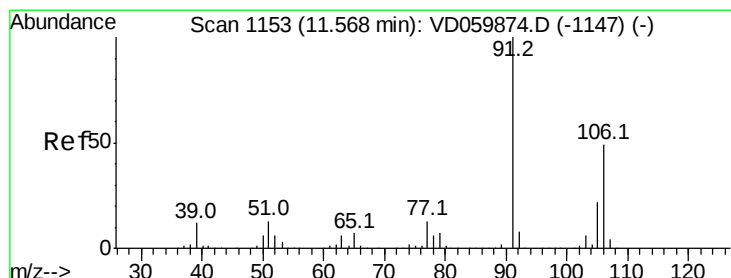
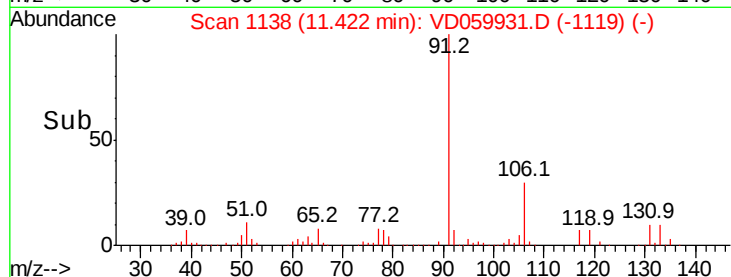
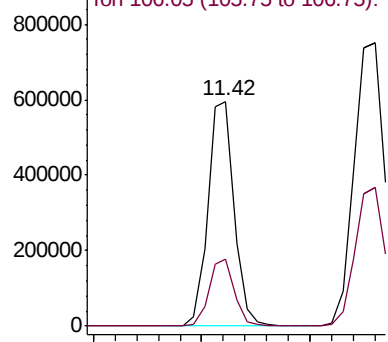
#67
Ethyl Benzene
Concen: 21.970 ug/l
RT: 11.42 min Scan# 1138
Delta R.T. -0.01 min
Lab File: VD059931.D
Acq: 31 Aug 2018 13:03

Instrument :
MSVOA_D
ClientSampleId :
VD0831SBS01

Tot Ion: 91 Resp: 997290
Ion Ratio Lower Upper
91 100
106 30.1 23.8 35.8

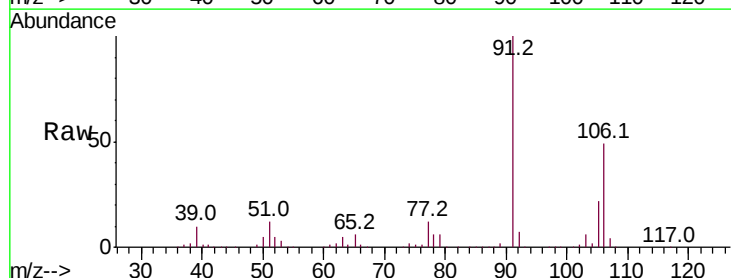


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 106.05 (105.75 to 106.75): V

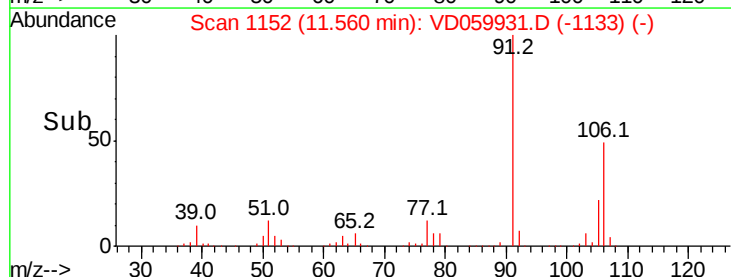
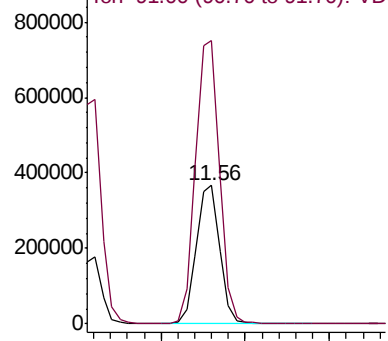


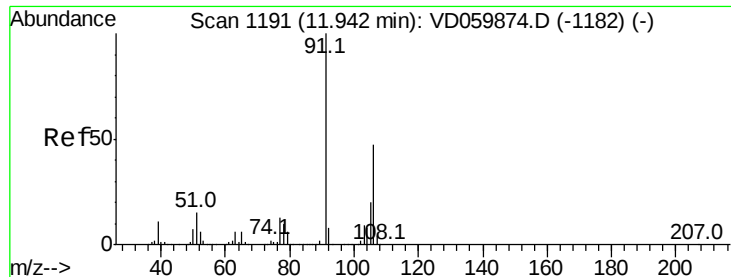
#68
m/p-Xylenes
Concen: 42.674 ug/l
RT: 11.56 min Scan# 1152
Delta R.T. -0.01 min
Lab File: VD059931.D
Acq: 31 Aug 2018 13:03

Tgt Ion: 106 Resp: 705288
Ion Ratio Lower Upper
106 100
91 204.2 162.0 243.0



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

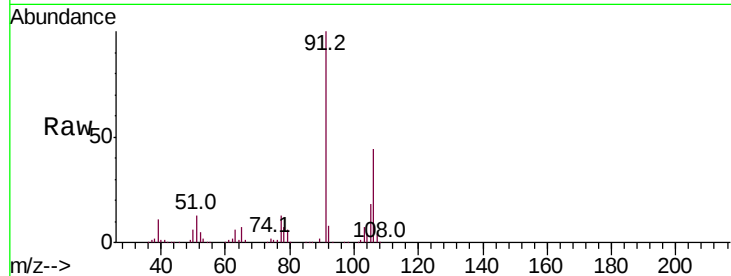




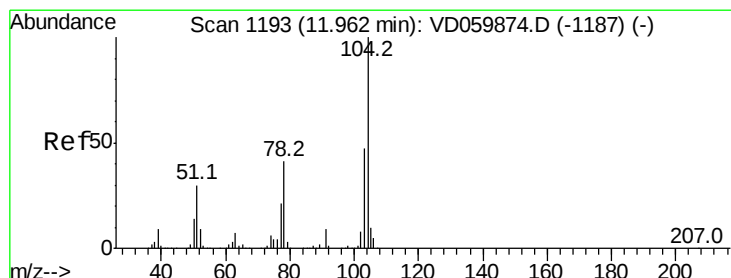
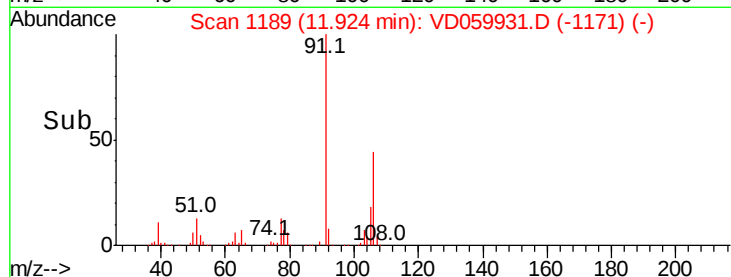
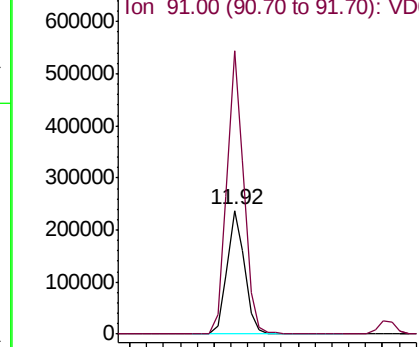
#69
o-Xylene
Concen: 21.123 ug/l
RT: 11.92 min Scan# 1189
Delta R.T. -0.02 min
Lab File: VD059931.D
Acq: 31 Aug 2018 13:03

Instrument :
MSVOA_D
ClientSampleId :
VD0831SBS01

Tot Ion:106 Resp: 341453
Ion Ratio Lower Upper
106 100
91 228.6 107.3 322.0

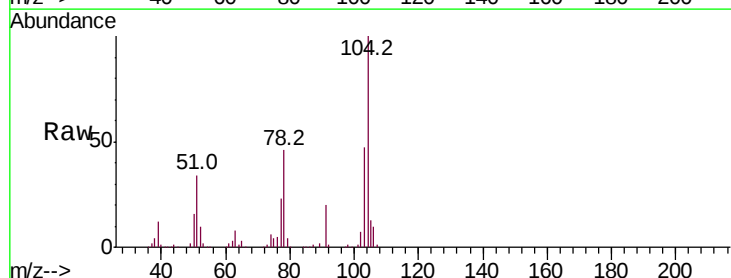


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

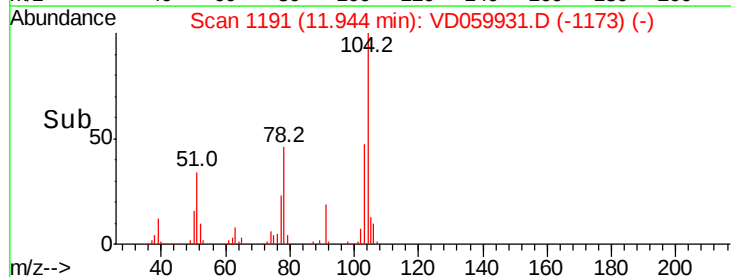
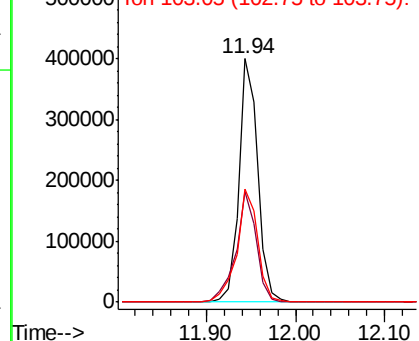


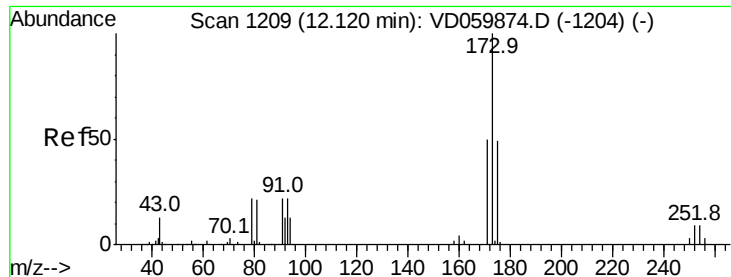
#70
Styrene
Concen: 21.239 ug/l
RT: 11.94 min Scan# 1191
Delta R.T. -0.02 min
Lab File: VD059931.D
Acq: 31 Aug 2018 13:03

Tgt Ion:104 Resp: 594477
Ion Ratio Lower Upper
104 100
78 45.6 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): VDC
Ion 103.05 (102.75 to 103.75): V





#71

Bromoform

Concen: 20.026 ug/l

RT: 12.11 min Scan# 1208

Delta R.T. -0.01 min

Lab File: VD059931.D

Acq: 31 Aug 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

VD0831SBSD01

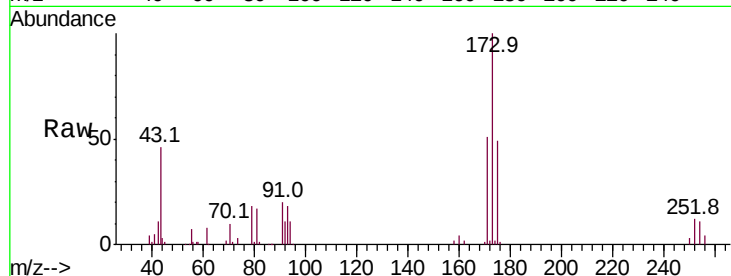
Tot Ion:173 Resp: 170806

Ion Ratio Lower Upper

173 100

175 48.6 24.3 73.0

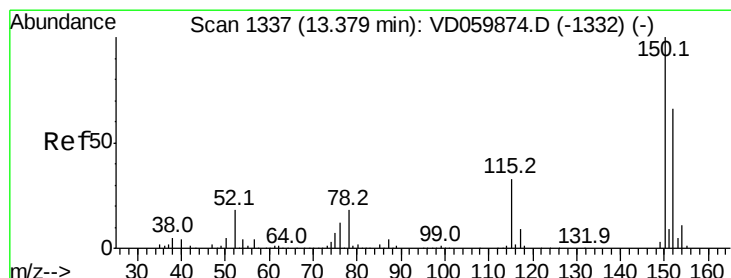
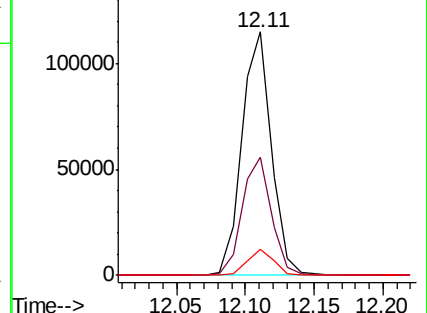
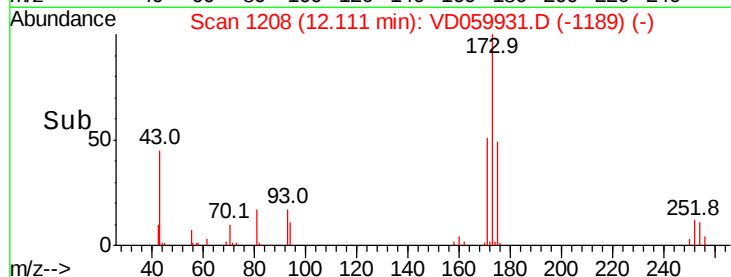
254 10.7 7.0 10.6#



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.36 min Scan# 1335

Delta R.T. -0.02 min

Lab File: VD059931.D

Acq: 31 Aug 2018 13:03

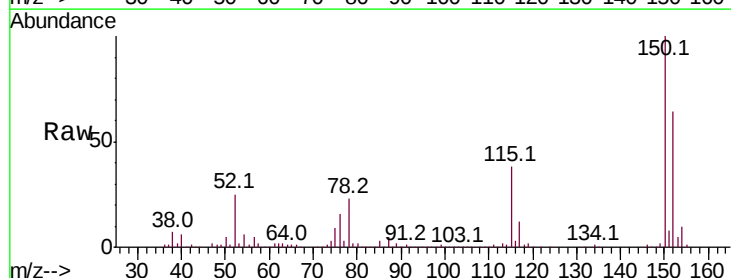
Tgt Ion:152 Resp: 734548

Ion Ratio Lower Upper

152 100

115 58.3 25.7 77.0

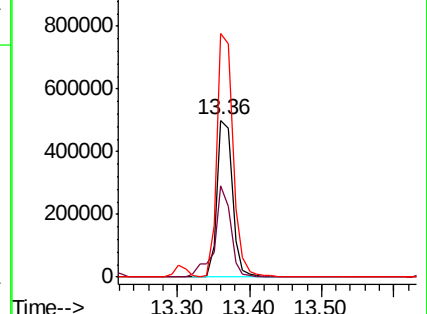
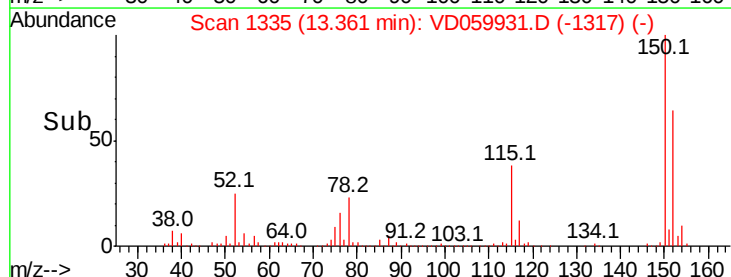
150 155.2 0.0 310.2

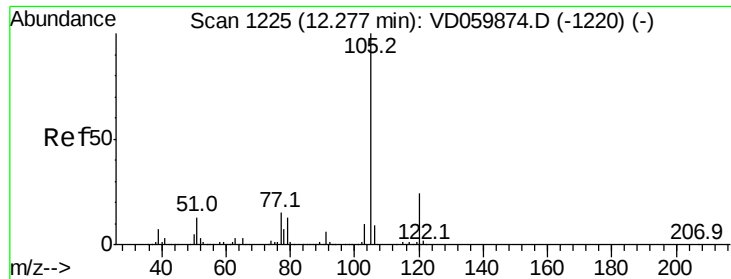


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.357 ug/l

RT: 12.27 min Scan# 1224

Delta R.T. -0.01 min

Lab File: VD059931.D

Acq: 31 Aug 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

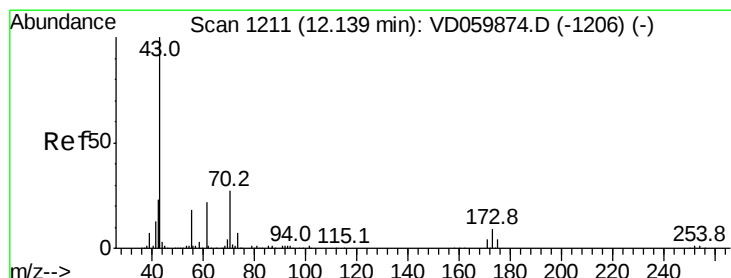
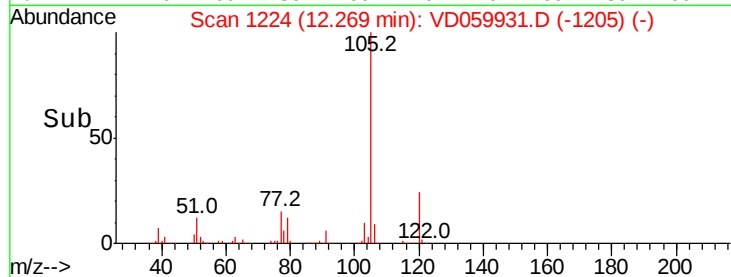
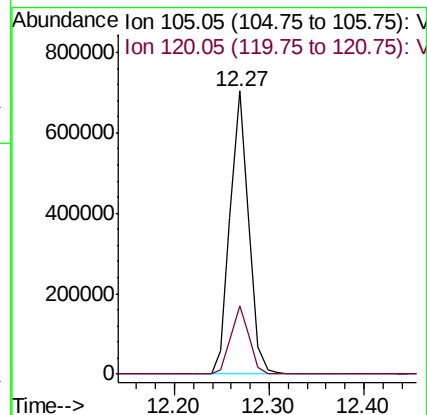
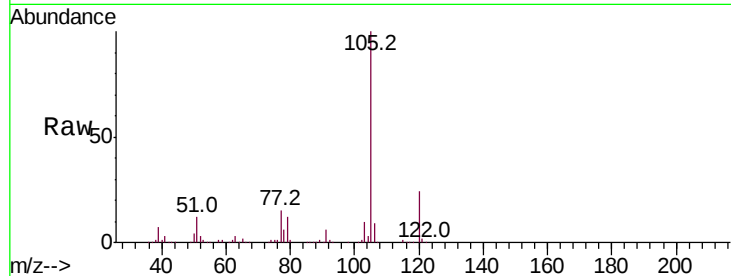
VD0831SBS01

Tot Ion:105 Resp: 954542

Ion Ratio Lower Upper

105 100

120 23.9 11.8 35.4



#74

N-ethyl acetate

Concen: 19.860 ug/l

RT: 12.13 min Scan# 1210

Delta R.T. -0.01 min

Lab File: VD059931.D

Acq: 31 Aug 2018 13:03

Tgt Ion: 43 Resp: 407749

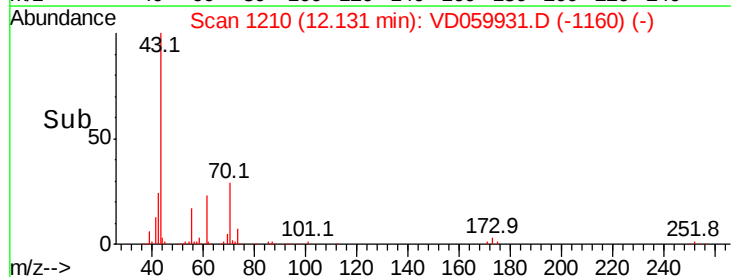
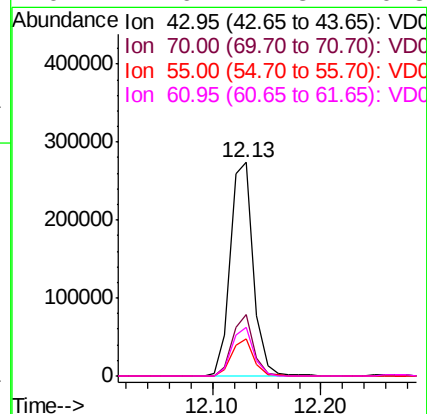
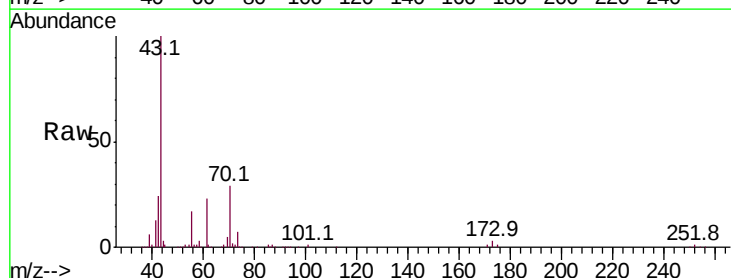
Ion Ratio Lower Upper

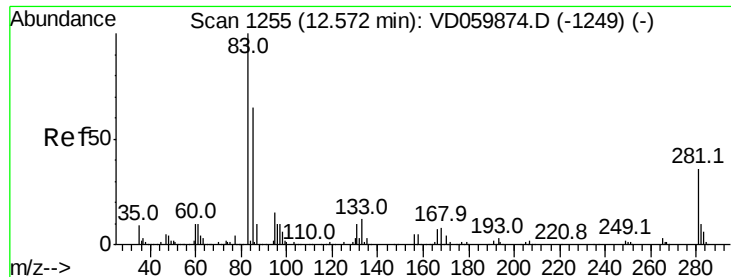
43 100

70 28.5 21.4 32.2

55 17.3 14.1 21.1

61 22.6 17.8 26.8





#75

1,1,2,2-Tetrachloroethane

Concen: 20.987 ug/l

RT: 12.55 min Scan# 1253

Delta R.T. -0.02 min

Lab File: VD059931.D

Acq: 31 Aug 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

VD0831SBS01

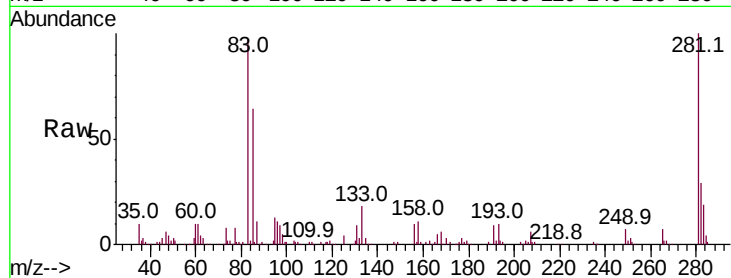
Tot Ion: 83 Resp: 227619

Ion Ratio Lower Upper

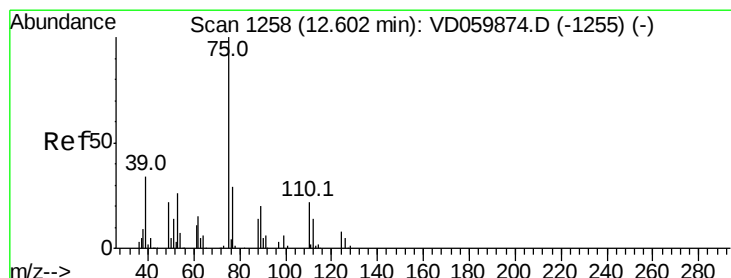
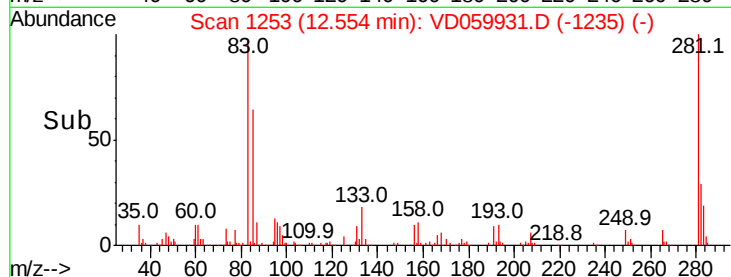
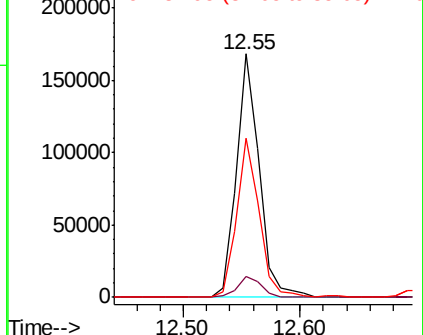
83 100

131 8.8 4.8 14.4

85 65.5 32.6 97.8



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



#76

1,2,3-Trichloropropane

Concen: 20.424 ug/l

RT: 12.59 min Scan# 1257

Delta R.T. -0.01 min

Lab File: VD059931.D

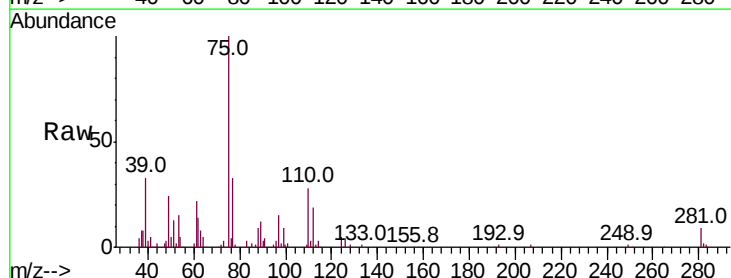
Acq: 31 Aug 2018 13:03

Tgt Ion: 75 Resp: 233174

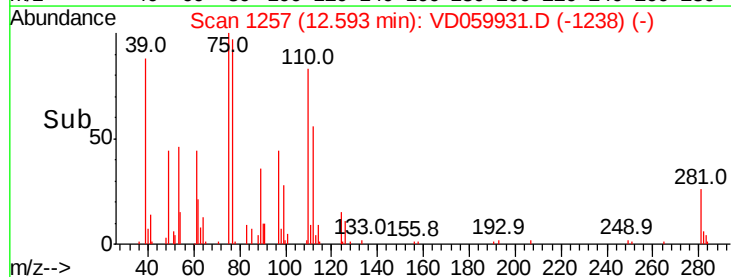
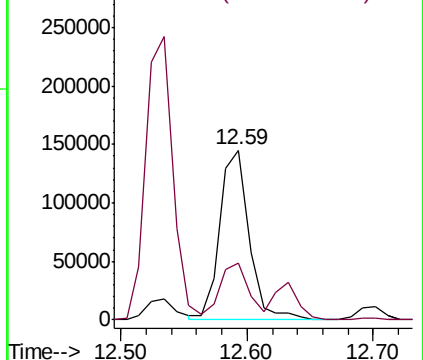
Ion Ratio Lower Upper

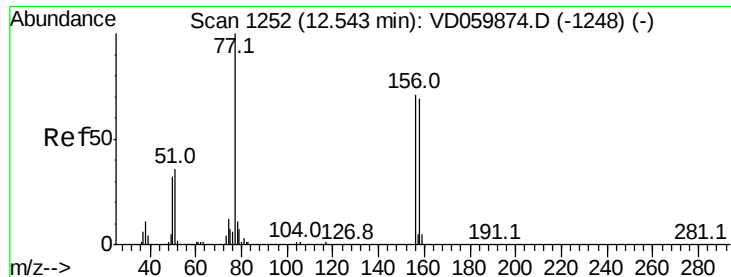
75 100

77 33.3 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: 21.192 ug/l

RT: 12.53 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VD059931.D

Acq: 31 Aug 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

VD0831SBS01

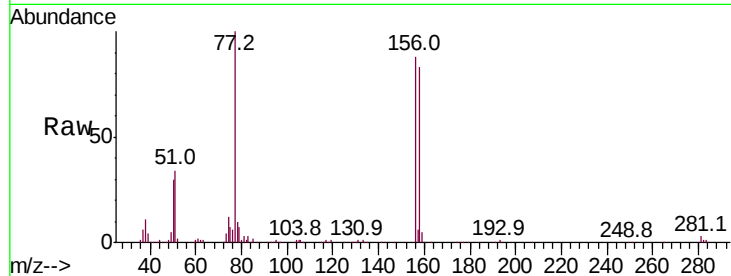
Tot Ion:156 Resp: 275510

Ion Ratio Lower Upper

156 100

77 113.9 70.2 210.4

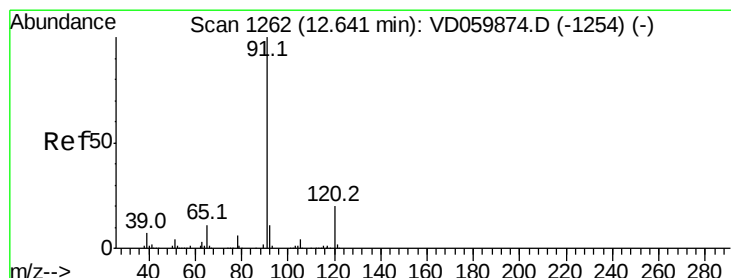
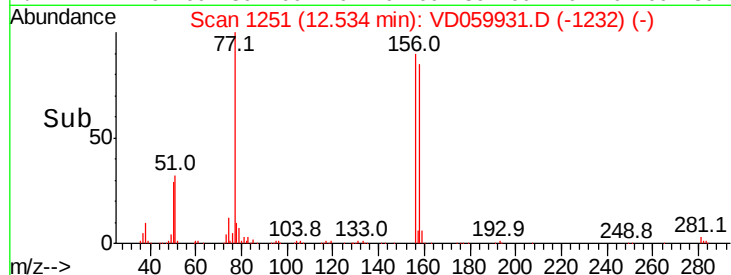
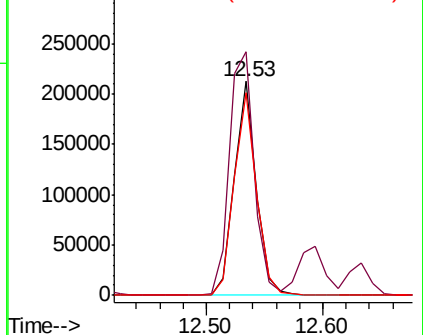
158 95.1 48.4 145.2



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 20.114 ug/l

RT: 12.63 min Scan# 1261

Delta R.T. -0.01 min

Lab File: VD059931.D

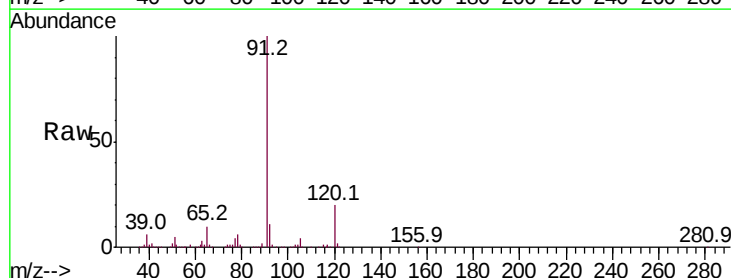
Acq: 31 Aug 2018 13:03

Tgt Ion: 91 Resp: 1194271

Ion Ratio Lower Upper

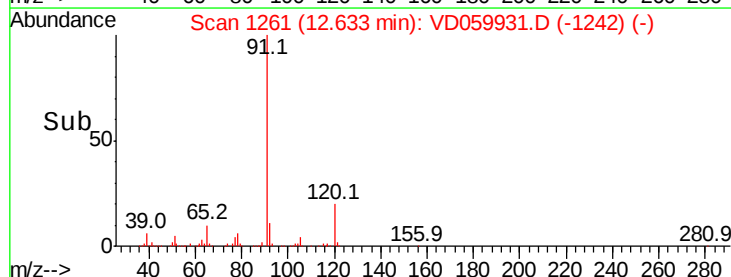
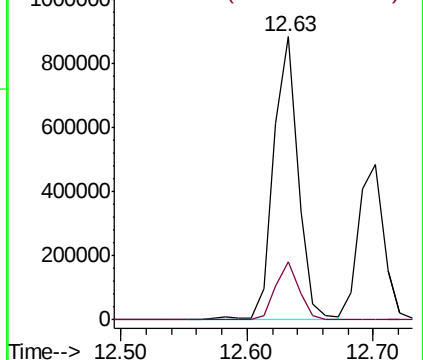
91 100

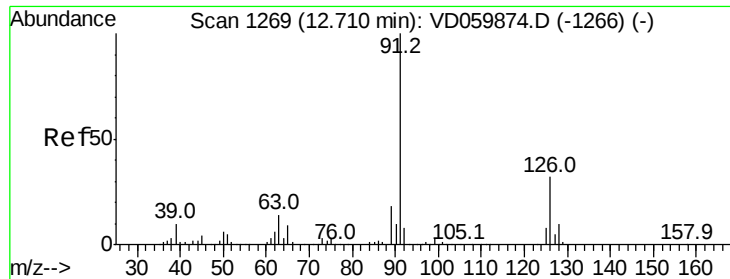
120 20.4 10.1 30.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

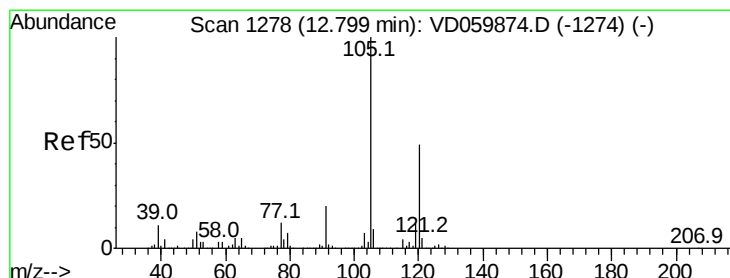
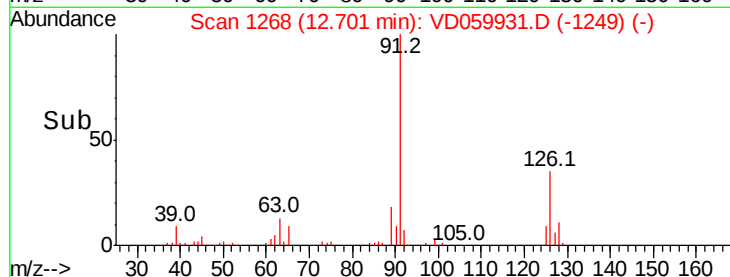
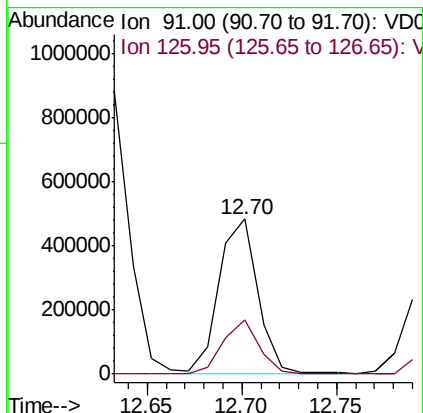
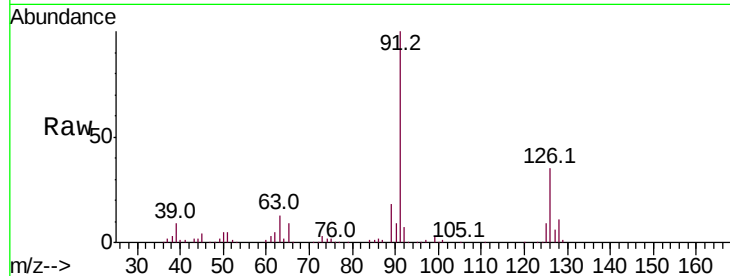




#79
2-Chlorotoluene
Concen: 20.373 ug/l
RT: 12.70 min Scan# 1268
Delta R.T. -0.01 min
Lab File: VD059931.D
Acq: 31 Aug 2018 13:03

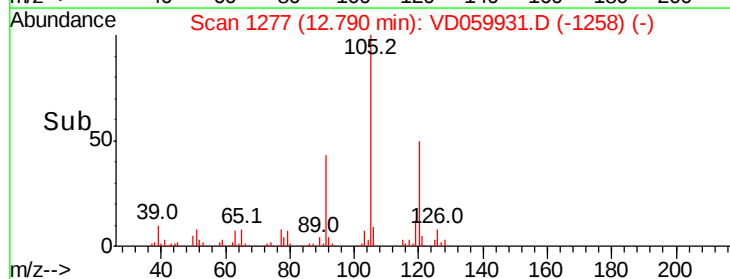
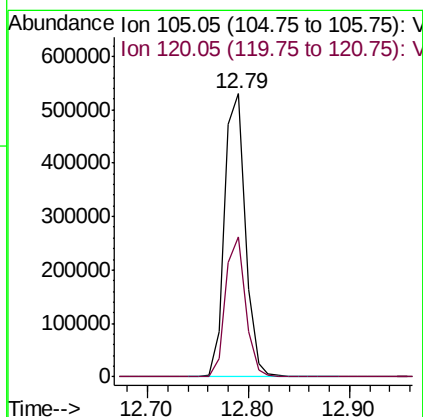
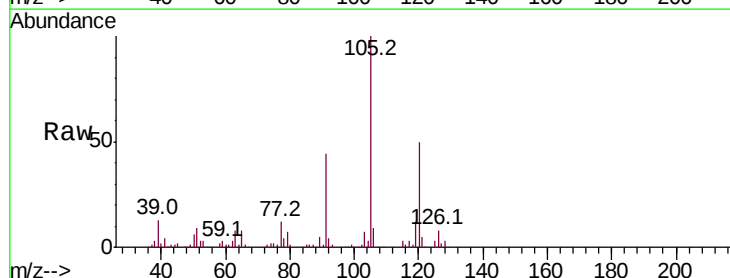
Instrument :
MSVOA_D
ClientSampleId :
VD0831SBSD01

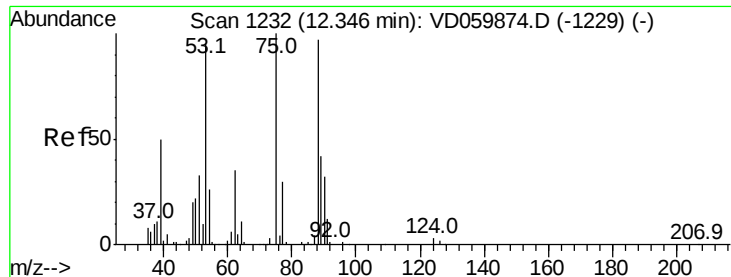
Tot Ion: 91 Resp: 684097
Ion Ratio Lower Upper
91 100
126 34.8 16.1 48.2



#80
1,3,5-Trimethylbenzene
Concen: 20.388 ug/l
RT: 12.79 min Scan# 1277
Delta R.T. -0.01 min
Lab File: VD059931.D
Acq: 31 Aug 2018 13:03

Tgt Ion:105 Resp: 760060
Ion Ratio Lower Upper
105 100
120 49.7 24.5 73.5

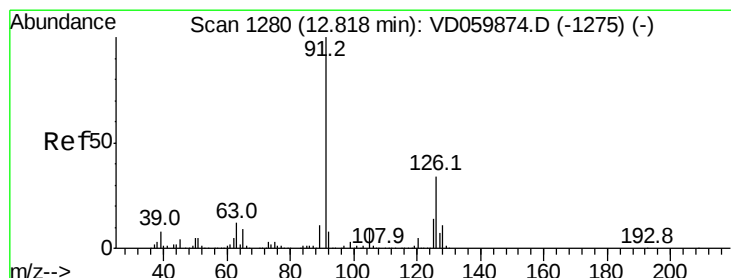
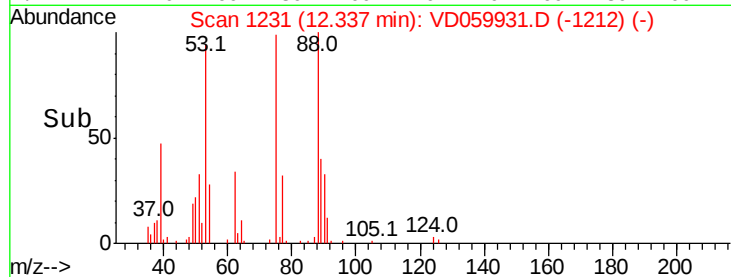
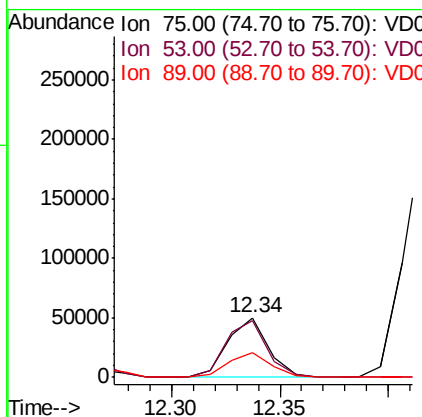
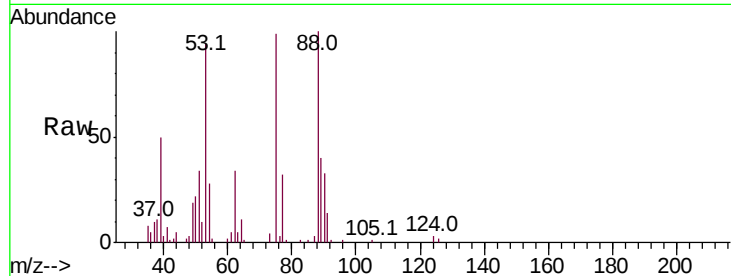




#81
trans-1,4-Dichloro-2-butene
Concen: 18.586 ug/l
RT: 12.34 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VD059931.D
Acq: 31 Aug 2018 13:03

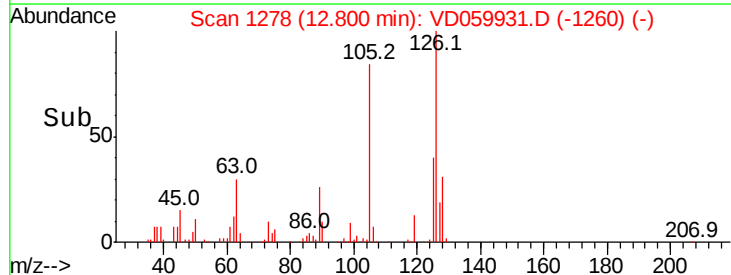
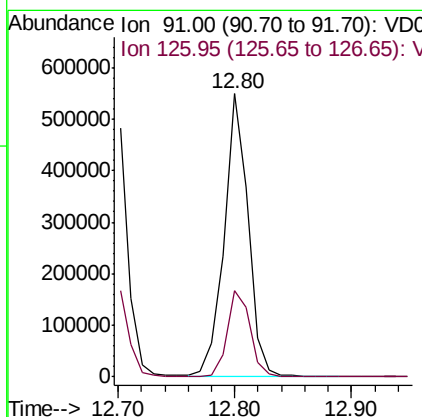
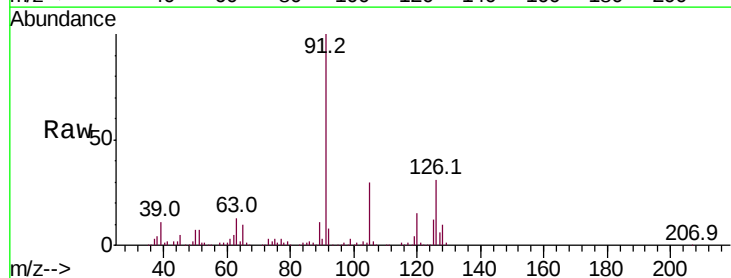
Instrument :
MSVOA_D
ClientSampleId :
VD0831SBSD01

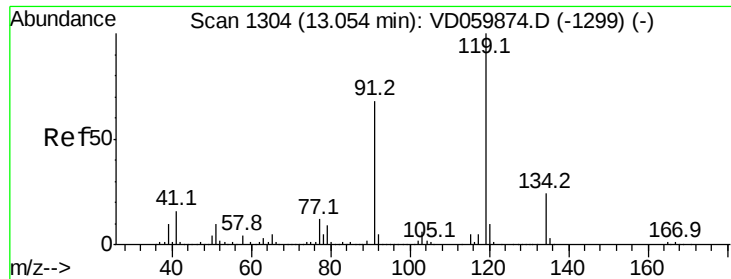
Tot Ion: 75 Resp: 66005
Ion Ratio Lower Upper
75 100
53 94.7 75.8 113.6
89 41.0 33.6 50.4



#82
4-Chlorotoluene
Concen: 20.292 ug/l
RT: 12.80 min Scan# 1278
Delta R.T. -0.02 min
Lab File: VD059931.D
Acq: 31 Aug 2018 13:03

Tgt Ion: 91 Resp: 777176
Ion Ratio Lower Upper
91 100
126 30.7 17.1 51.2

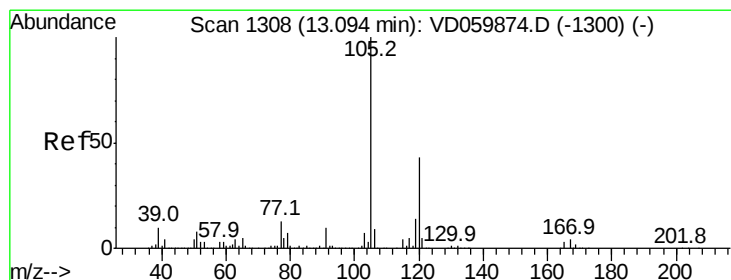
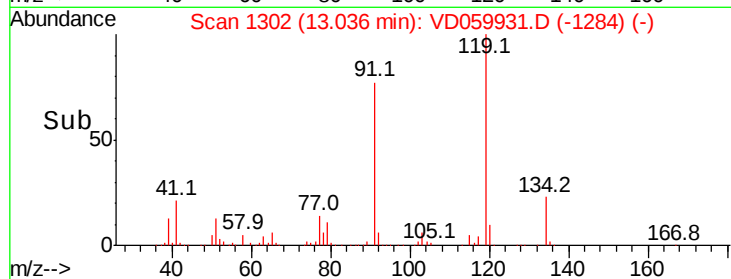
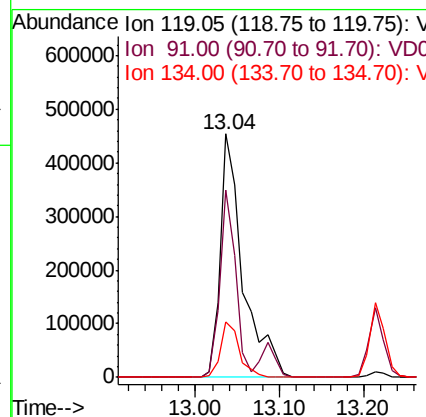
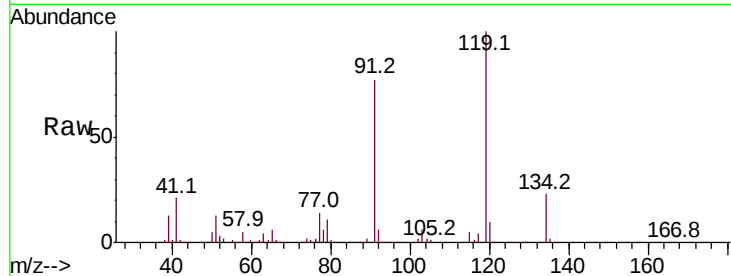




#83
 tert-Butylbenzene
 Concen: 20.078 ug/l
 RT: 13.04 min Scan# 1302
 Delta R.T. -0.02 min
 Lab File: VD059931.D
 Acq: 31 Aug 2018 13:03

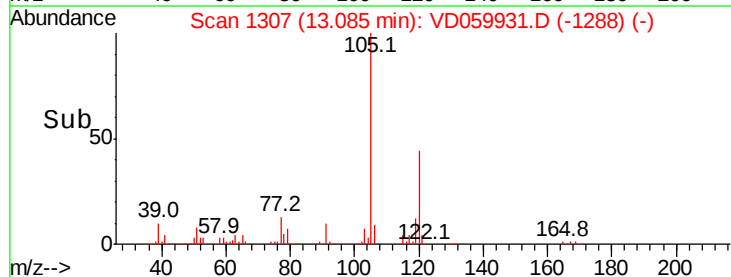
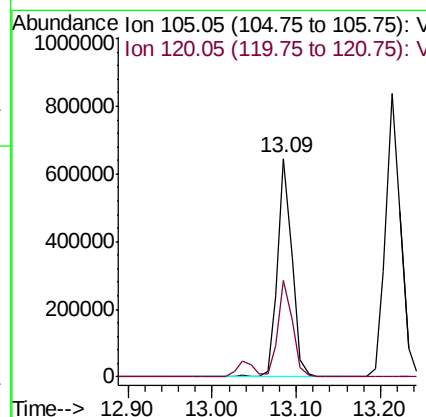
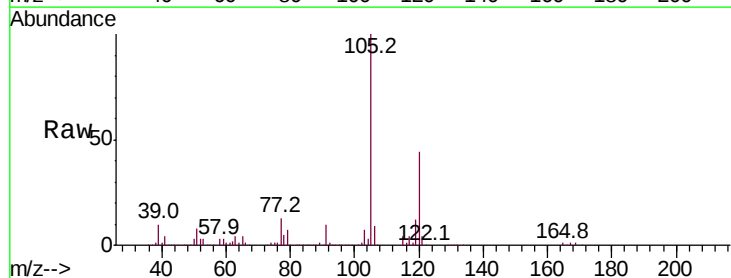
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0831SBSD01

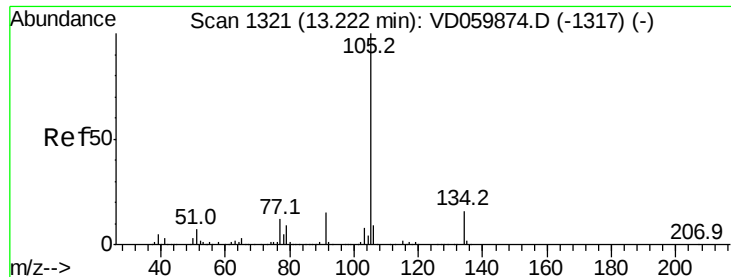
Tot Ion:119 Resp: 852630
 Ion Ratio Lower Upper
 119 100
 91 77.1 34.3 102.9
 134 22.6 11.9 35.9



#84
 1,2,4-Trimethylbenzene
 Concen: 20.248 ug/l
 RT: 13.09 min Scan# 1307
 Delta R.T. -0.01 min
 Lab File: VD059931.D
 Acq: 31 Aug 2018 13:03

Tgt Ion:105 Resp: 786772
 Ion Ratio Lower Upper
 105 100
 120 44.2 21.8 65.3

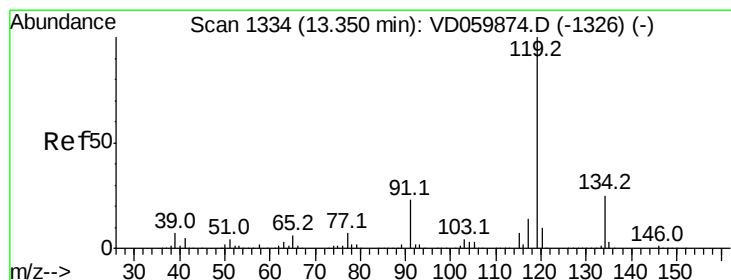
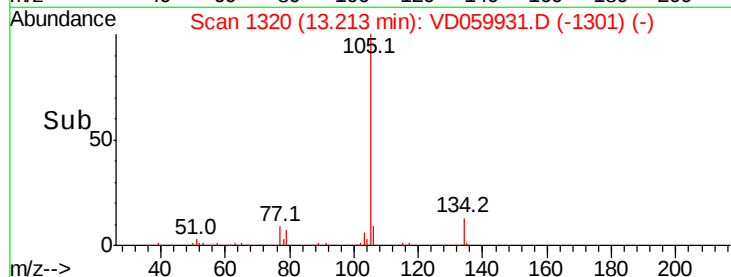
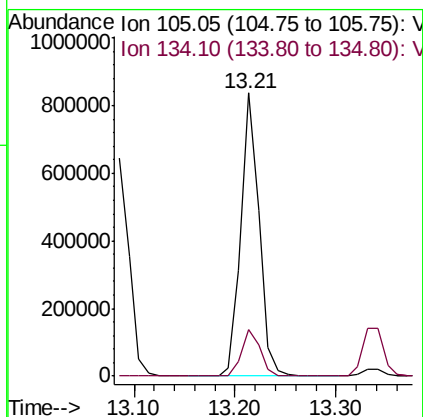
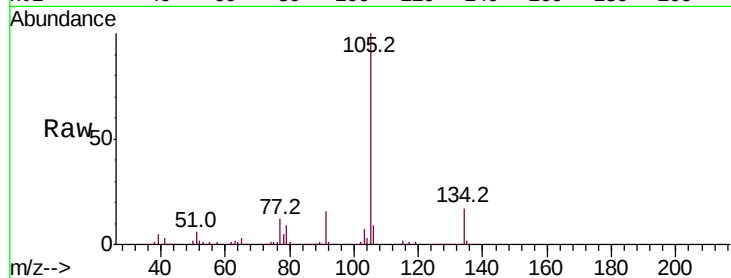




#85
 sec-Butylbenzene
 Concen: 20.941 ug/l
 RT: 13.21 min Scan# 1320
 Delta R.T. -0.01 min
 Lab File: VD059931.D
 Acq: 31 Aug 2018 13:03

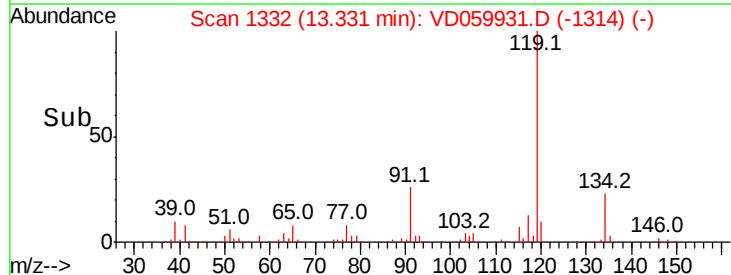
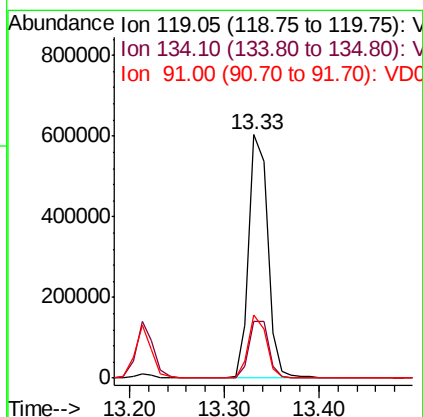
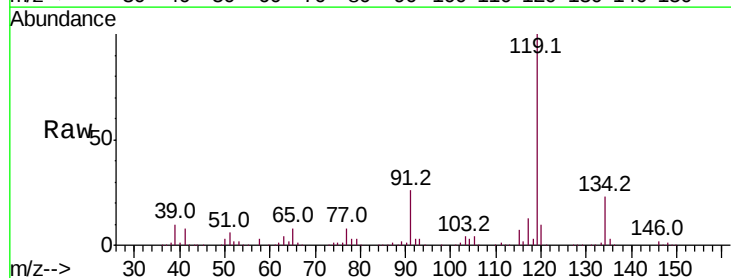
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0831SBS01

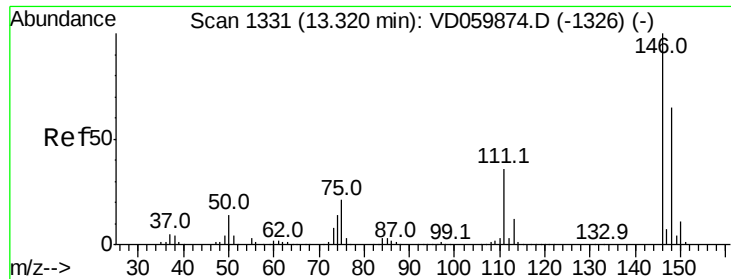
Tot Ion:105 Resp: 1045813
 Ion Ratio Lower Upper
 105 100
 134 16.7 8.2 24.4



#86
 p-Isopropyltoluene
 Concen: 20.624 ug/l
 RT: 13.33 min Scan# 1332
 Delta R.T. -0.02 min
 Lab File: VD059931.D
 Acq: 31 Aug 2018 13:03

Tgt Ion:119 Resp: 837661
 Ion Ratio Lower Upper
 119 100
 134 23.4 12.7 38.1
 91 26.2 11.7 35.0

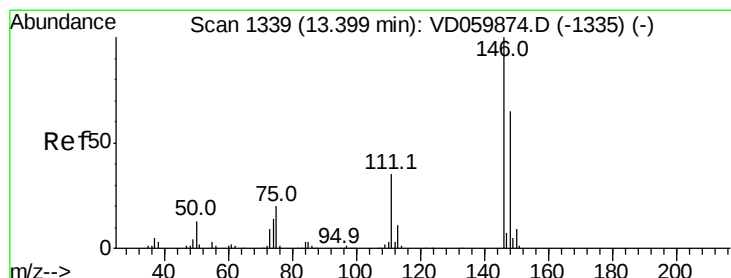
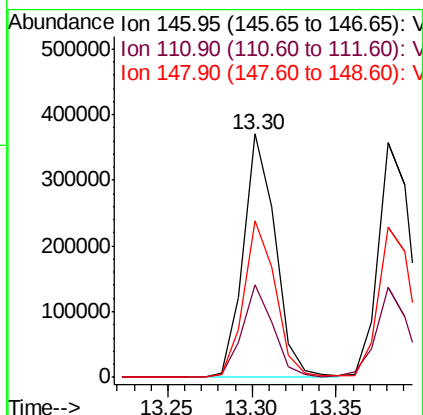
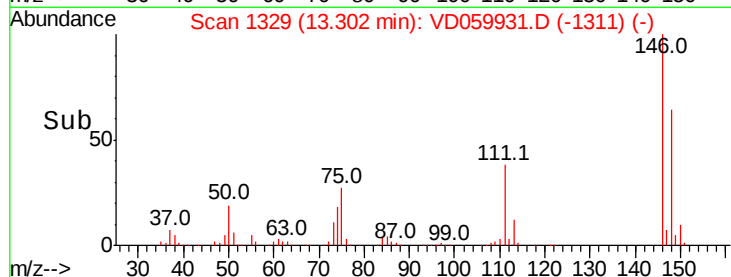
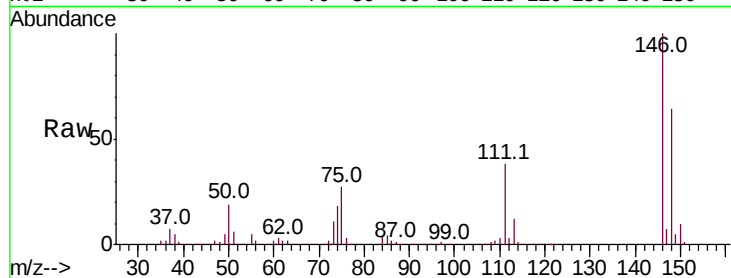




#87
 1,3-Dichlorobenzene
 Concen: 21.029 ug/l
 RT: 13.30 min Scan# 1329
 Delta R.T. -0.02 min
 Lab File: VD059931.D
 Acq: 31 Aug 2018 13:03

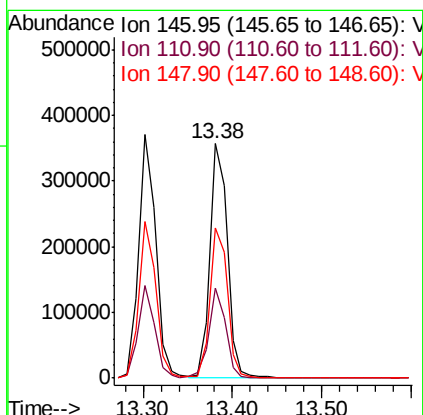
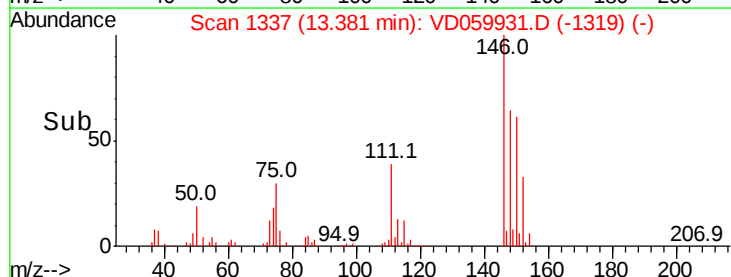
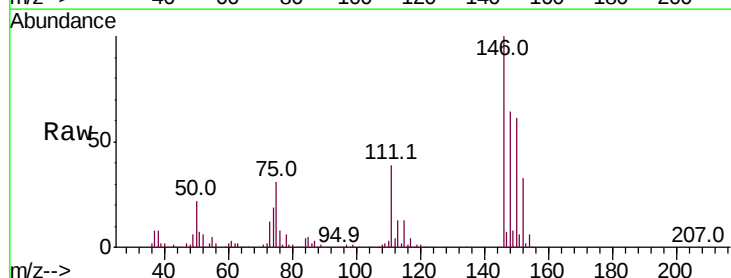
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0831SBS01

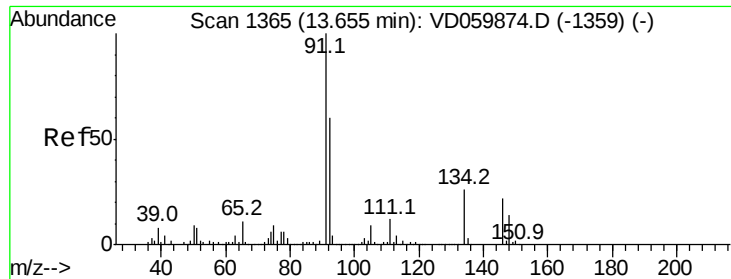
Tot Ion:146 Resp: 488084
 Ion Ratio Lower Upper
 146 100
 111 38.1 17.9 53.7
 148 64.4 32.4 97.0



#88
 1,4-Dichlorobenzene
 Concen: 20.852 ug/l
 RT: 13.38 min Scan# 1337
 Delta R.T. -0.02 min
 Lab File: VD059931.D
 Acq: 31 Aug 2018 13:03

Tgt Ion:146 Resp: 482851
 Ion Ratio Lower Upper
 146 100
 111 38.7 17.5 52.6
 148 63.9 32.5 97.5

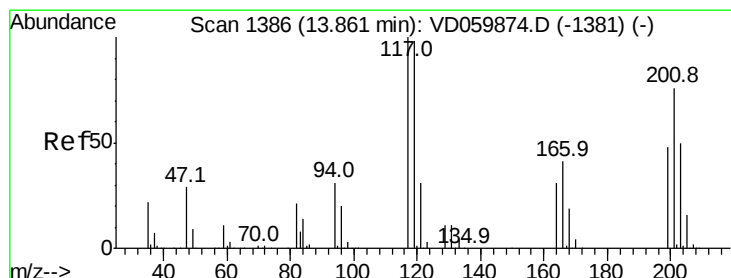
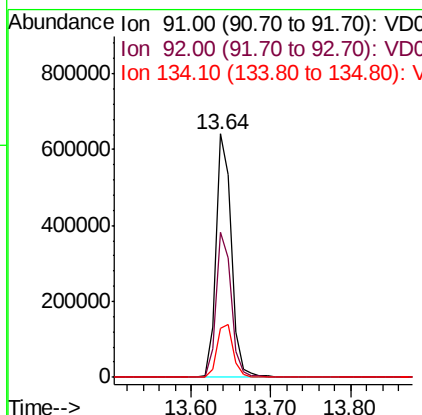
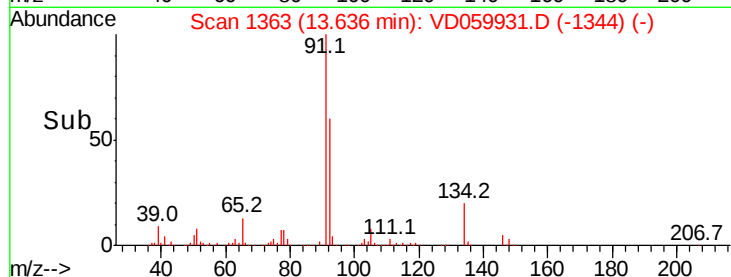
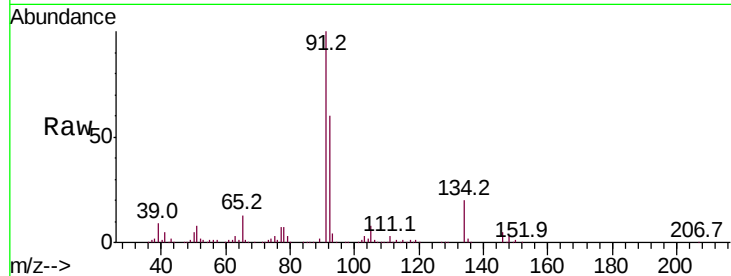




#89
n-Butylbenzene
Concen: 19.947 ug/l
RT: 13.64 min Scan# 1363
Delta R.T. -0.02 min
Lab File: VD059931.D
Acq: 31 Aug 2018 13:03

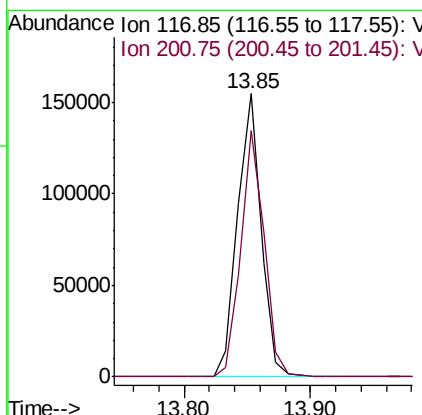
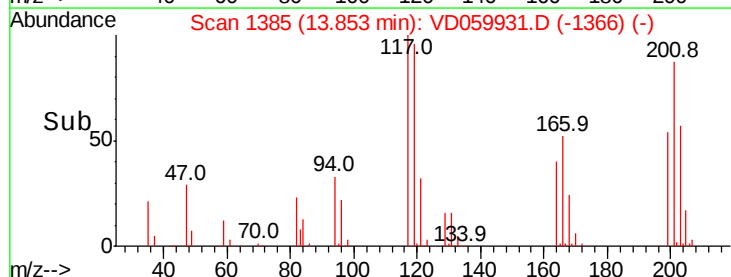
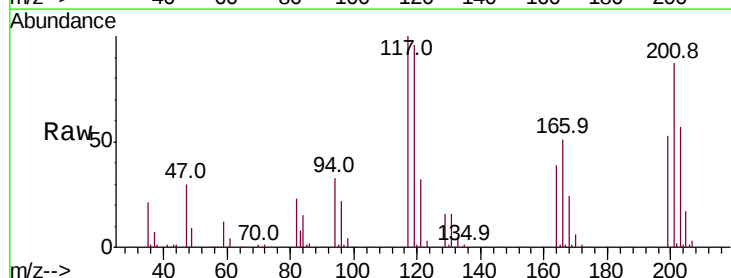
Instrument :
MSVOA_D
ClientSampleId :
VD0831SBS01

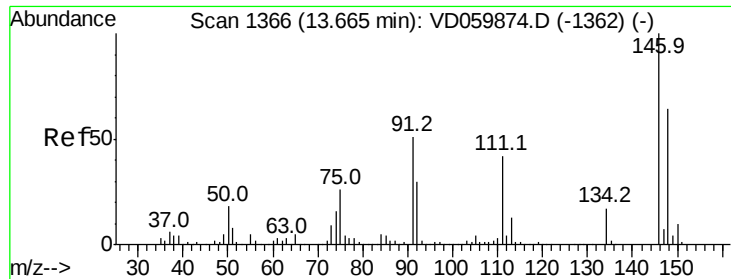
Tot Ion: 91 Resp: 877392
Ion Ratio Lower Upper
91 100
92 59.5 30.0 90.1
134 19.9 12.8 38.4



#90
Hexachloroethane
Concen: 18.269 ug/l
RT: 13.85 min Scan# 1385
Delta R.T. -0.01 min
Lab File: VD059931.D
Acq: 31 Aug 2018 13:03

Tgt Ion: 117 Resp: 199238
Ion Ratio Lower Upper
117 100
201 87.0 38.1 114.5

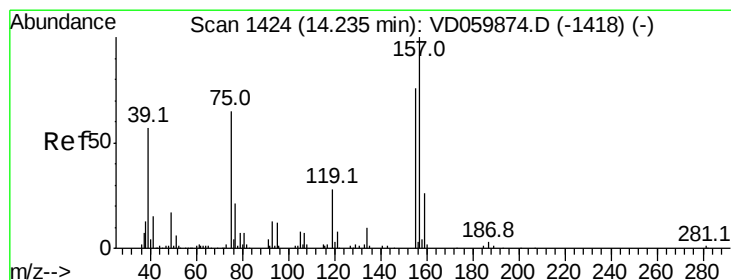
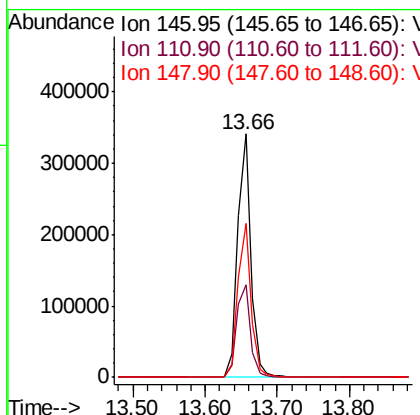
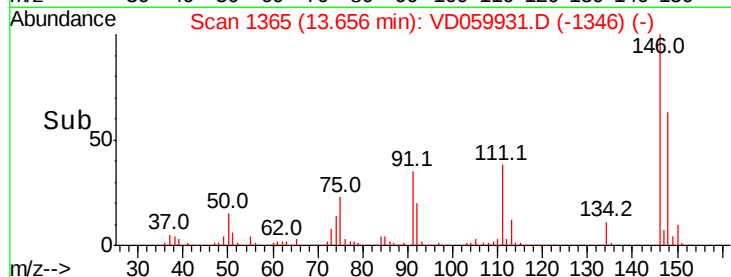
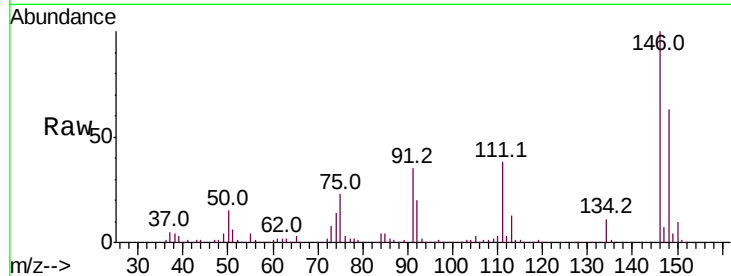




#91
 1,2-Dichlorobenzene
 Concen: 22.427 ug/l
 RT: 13.66 min Scan# 1365
 Delta R.T. -0.01 min
 Lab File: VD059931.D
 Acq: 31 Aug 2018 13:03

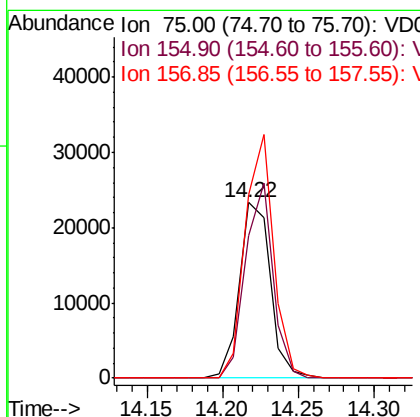
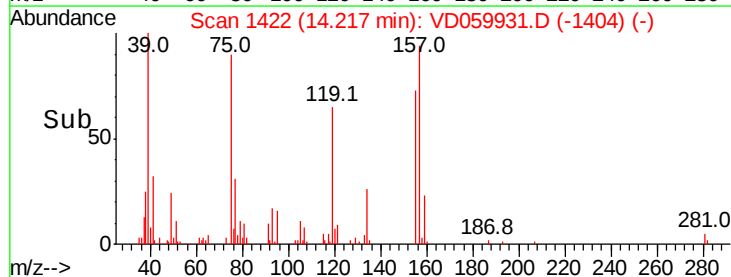
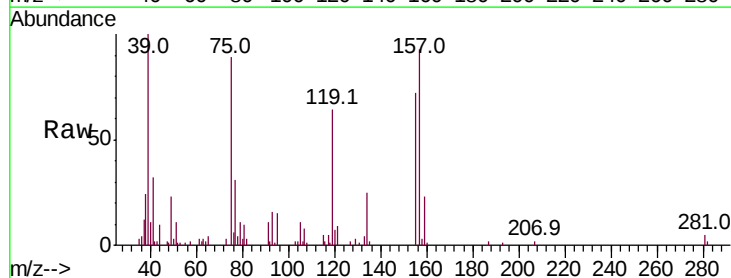
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0831SBSD01

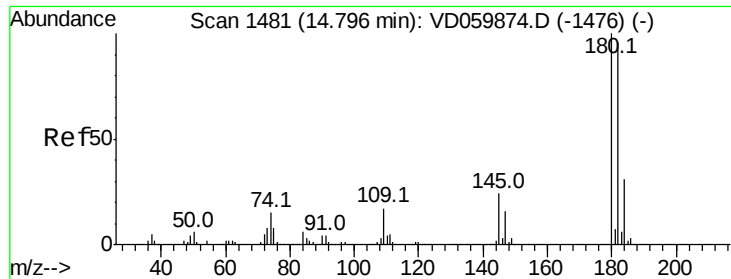
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	21.1	63.1
148	63.2	32.2	96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.769 ug/l
 RT: 14.22 min Scan# 1422
 Delta R.T. -0.02 min
 Lab File: VD059931.D
 Acq: 31 Aug 2018 13:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.3	58.2	174.6
157	104.9	76.8	230.4

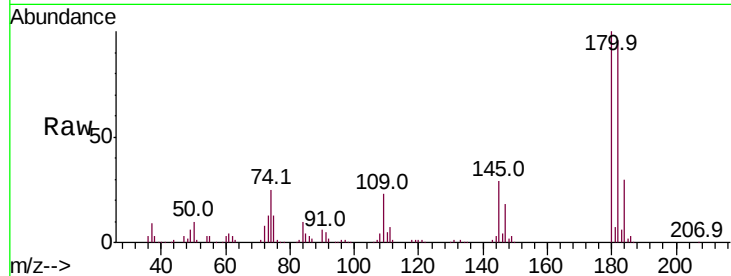




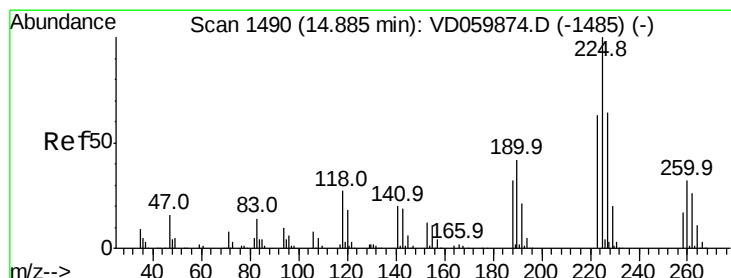
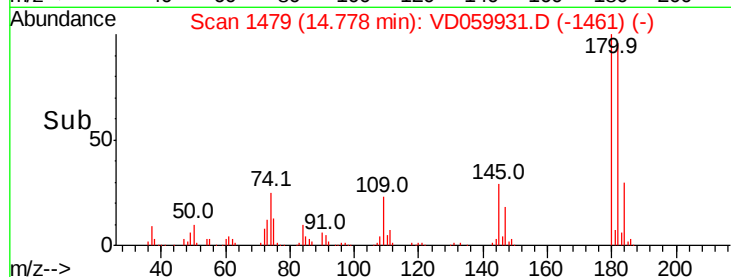
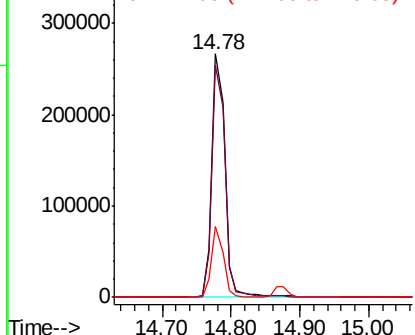
#93
 1,2,4-Trichlorobenzene
 Concen: 20.947 ug/l
 RT: 14.78 min Scan# 1479
 Delta R.T. -0.02 min
 Lab File: VD059931.D
 Acq: 31 Aug 2018 13:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0831SBSD01

Tot Ion:180 Resp: 353954
 Ion Ratio Lower Upper
 180 100
 182 95.6 47.9 143.7
 145 29.2 12.2 36.4

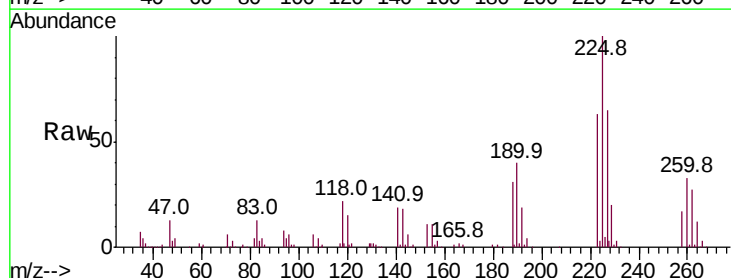


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

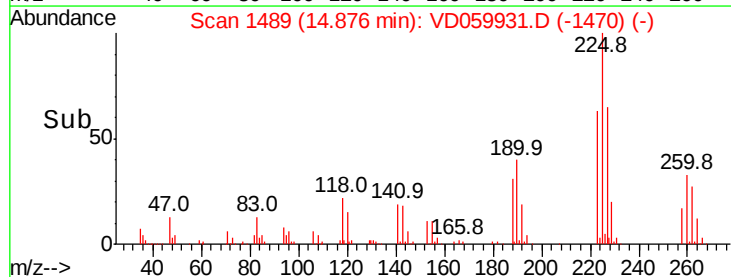
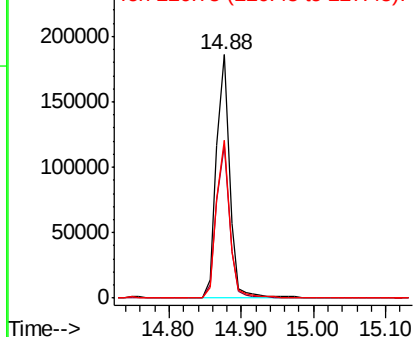


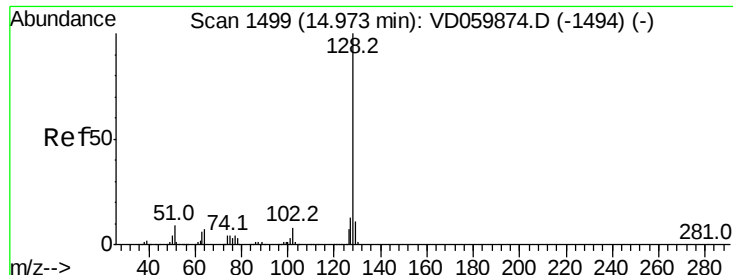
#94
 Hexachlorobutadiene
 Concen: 21.296 ug/l
 RT: 14.88 min Scan# 1489
 Delta R.T. -0.01 min
 Lab File: VD059931.D
 Acq: 31 Aug 2018 13:03

Tgt Ion:225 Resp: 235885
 Ion Ratio Lower Upper
 225 100
 223 63.0 31.6 94.8
 227 64.6 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

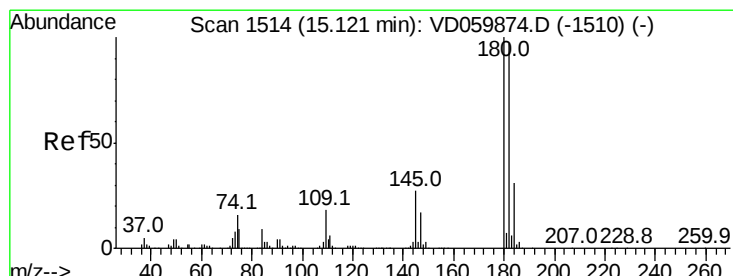
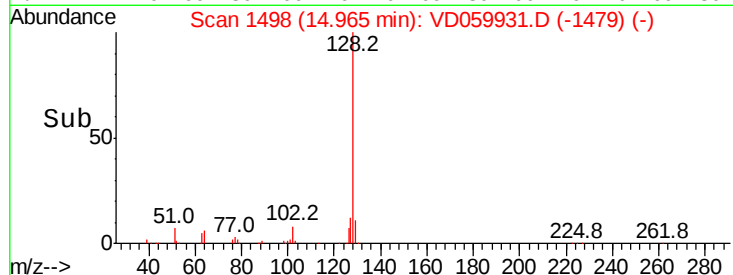
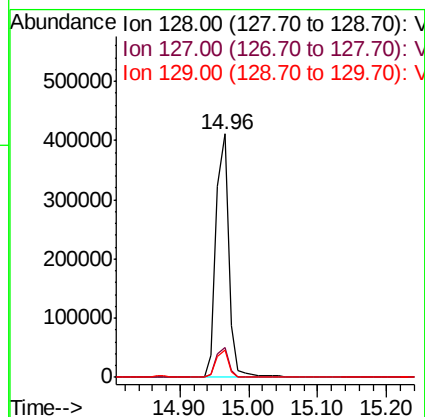
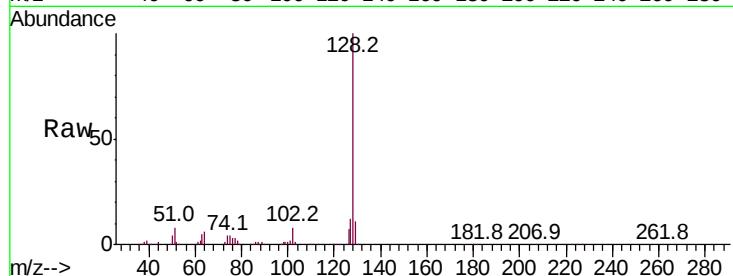




#95
Naphthalene
Concen: 20.631 ug/l
RT: 14.96 min Scan# 1498
Delta R.T. -0.01 min
Lab File: VD059931.D
Acq: 31 Aug 2018 13:03

Instrument :
MSVOA_D
ClientSampleId :
VD0831SBSD01

Tot Ion:128 Resp: 532739
Ion Ratio Lower Upper
128 100
127 12.3 10.0 15.0
129 11.0 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 21.024 ug/l
RT: 15.11 min Scan# 1513
Delta R.T. -0.01 min
Lab File: VD059931.D
Acq: 31 Aug 2018 13:03

Tgt Ion:180 Resp: 303829
Ion Ratio Lower Upper
180 100
182 97.7 48.6 145.8
145 26.2 13.6 40.8

