

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041019\
 Data File : VD061732.D
 Acq On : 11 Apr 2019 10:29
 Operator : VA/AP
 Sample : VD0410SBS02
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0410SBS02

Quant Time: Apr 11 11:14:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 08 10:04:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	672890	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1053967	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	984760	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	432203	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.45	65	236770	46.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.84%	
35) Dibromofluoromethane	6.91	113	364728	49.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.90%	
50) Toluene-d8	10.40	98	871916	47.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.06%	
62) 4-Bromofluorobenzene	13.55	95	319455	49.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.59	85	127304	17.536	ug/l	100
3) Chloromethane	1.76	50	112057	19.102	ug/l	94
4) Vinyl Chloride	1.85	62	107439	19.600	ug/l	97
5) Bromomethane	2.16	94	20273	15.978	ug/l	98
6) Chloroethane	2.26	64	31185	18.163	ug/l	94
7) Trichlorofluoromethane	2.53	101	171027	20.664	ug/l	96
8) Diethyl Ether	2.88	74	40954	17.631	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.15	101	160898	19.773	ug/l	89
10) Methyl Iodide	3.31	142	209745	19.676	ug/l	98
11) Tert butyl alcohol	4.07	59	34983	102.341	ug/l	95
12) 1,1-Dichloroethene	3.13	96	135657	19.339	ug/l	98
13) Acrolein	3.04	56	24359	58.448	ug/l	89
14) Allyl chloride	3.63	41	165700	17.319	ug/l	98
15) Acrylonitrile	4.20	53	107476	91.338	ug/l	96
16) Acetone	3.22	43	138772	91.016	ug/l	99
17) Carbon Disulfide	3.37	76	404811	17.760	ug/l	100
18) Methyl Acetate	3.65	43	53452	18.633	ug/l	94
19) Methyl tert-butyl Ether	4.24	73	248493	20.459	ug/l	97
20) Methylene Chloride	3.81	84	162758	18.812	ug/l	97
21) trans-1,2-Dichloroethene	4.22	96	149181	19.581	ug/l	99
22) Diisopropyl ether	5.12	45	386885	19.287	ug/l	98
23) Vinyl Acetate	5.05	43	1019862	92.142	ug/l	100
24) 1,1-Dichloroethane	4.99	63	227346	18.495	ug/l	99
25) 2-Butanone	6.07	43	167214	95.131	ug/l	100
26) 2,2-Dichloropropane	6.03	77	202990	20.281	ug/l	96
27) cis-1,2-Dichloroethene	6.04	96	159045	19.568	ug/l	97
28) Bromochloromethane	6.43	49	84836	18.709	ug/l	91
29) Tetrahydrofuran	6.45	42	78849	92.926	ug/l	98
30) Chloroform	6.66	83	254162	19.737	ug/l	99
31) Cyclohexane	6.95	56	176352	18.364	ug/l	99
32) 1,1,1-Trichloroethane	6.87	97	224277	19.875	ug/l	99
36) 1,1-Dichloropropene	7.14	75	195100	21.151	ug/l	99
37) Ethyl Acetate	6.18	43	78041	20.772	ug/l #	96
38) Carbon Tetrachloride	7.11	117	231544	21.418	ug/l	97

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 Quant Title : SW846 8260
 QLast Update : Mon Apr 08 10:04:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	202430	21.376	ug/l	97
40) Benzene	7.45	78	452268	20.324	ug/l	98
41) Methacrylonitrile	6.44	41	89337	20.369	ug/l	95
42) 1,2-Dichloroethane	7.57	62	153935	21.996	ug/l	99
43) Isopropyl Acetate	9.23	43	108658	19.927	ug/l #	98
44) Trichloroethene	8.54	130	182004	21.334	ug/l	95
45) 1,2-Dichloropropane	8.93	63	111602	20.223	ug/l	95
46) Dibromomethane	9.05	93	79294	20.104	ug/l	96
47) Bromodichloromethane	9.37	83	192571	22.230	ug/l	96
48) Methyl methacrylate	9.11	41	62901	20.012	ug/l	95
49) 1,4-Dioxane	9.07	88	13698	394.829	ug/l	91
51) 4-Methyl-2-Pentanone	10.29	43	353372	109.583	ug/l	98
52) Toluene	10.50	92	281963	20.291	ug/l	98
53) t-1,3-Dichloropropene	10.90	75	170822	22.496	ug/l	99
54) cis-1,3-Dichloropropene	10.04	75	208531	22.278	ug/l	96
55) 1,1,2-Trichloroethane	11.18	97	92411	19.718	ug/l	97
56) Ethyl methacrylate	11.04	69	112466	22.748	ug/l	94
57) 1,3-Dichloropropane	11.40	76	155205	22.614	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.85	63	273590	117.278	ug/l	99
59) 2-Hexanone	11.52	43	259317	103.618	ug/l	99
60) Dibromochloromethane	11.68	129	162419	21.935	ug/l	98
61) 1,2-Dibromoethane	11.80	107	122948	22.432	ug/l	93
64) Tetrachloroethene	11.25	164	141925	18.567	ug/l	96
65) Chlorobenzene	12.39	112	388776	19.908	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.51	131	155338	20.671	ug/l	98
67) Ethyl Benzene	12.52	91	619848	20.843	ug/l	98
68) m/p-Xylenes	12.66	106	426747	37.222	ug/l	97
69) o-Xylene	13.04	106	188974	17.075	ug/l	100
70) Styrene	13.07	104	321763	17.024	ug/l	100
71) Bromoform	13.23	173	92440	19.826	ug/l	98
73) Isopropylbenzene	13.39	105	559650	19.434	ug/l	100
74) N-amyl acetate	13.25	43	152531	19.494	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	115546	19.405	ug/l	97
76) 1,2,3-Trichloropropane	13.73	75	117550	19.991	ug/l	95
77) Bromobenzene	13.67	156	156591	18.733	ug/l	80
78) n-propylbenzene	13.77	91	740750	21.503	ug/l	99
79) 2-Chlorotoluene	13.84	91	397341	20.170	ug/l	97
80) 1,3,5-Trimethylbenzene	13.92	105	477670	20.898	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.47	75	35670	19.990	ug/l	97
82) 4-Chlorotoluene	13.94	91	458852	21.257	ug/l	99
83) tert-Butylbenzene	14.18	119	517913	18.793	ug/l	97
84) 1,2,4-Trimethylbenzene	14.23	105	469081	20.334	ug/l	99
85) sec-Butylbenzene	14.36	105	581270	19.522	ug/l	100
86) p-Isopropyltoluene	14.49	119	528198	20.449	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	275867	19.176	ug/l	99
88) 1,4-Dichlorobenzene	14.53	146	283901	19.559	ug/l	99
89) n-Butylbenzene	14.79	91	476697	21.232	ug/l	99
90) Hexachloroethane	15.01	117	129138	18.425	ug/l	66
91) 1,2-Dichlorobenzene	14.80	146	231456	19.521	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	14170	19.720	ug/l	49

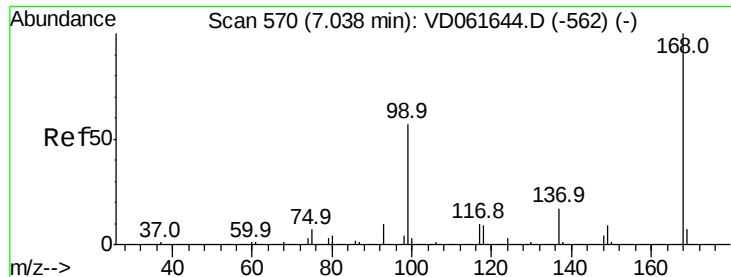
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041019\
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Quant Title : SW846 8260
QLast Update : Mon Apr 08 10:04:03 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	122505	20.280	ug/l	98
94) Hexachlorobutadiene	16.03	225	88751	19.028	ug/l	98
95) Naphthalene	16.12	128	187522	19.619	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	58960	19.557	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. 0.01 min

Lab File: VD061732.D

Acq: 11 Apr 2019 10:29

Instrument :

MSVOA_D

ClientSampleId :

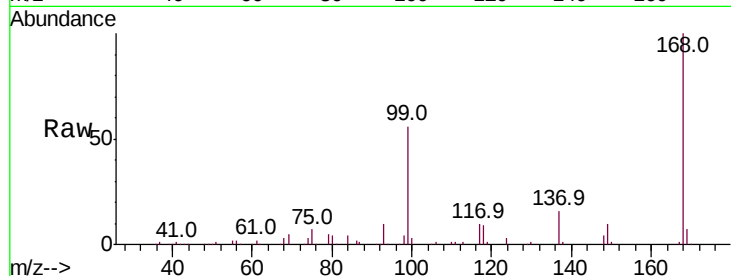
VD0410SBS02

Tot Ion:168 Resp: 672890

Ion Ratio Lower Upper

168 100

99 56.2 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

250000

200000

150000

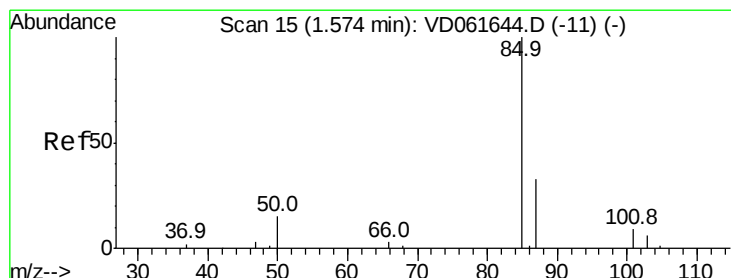
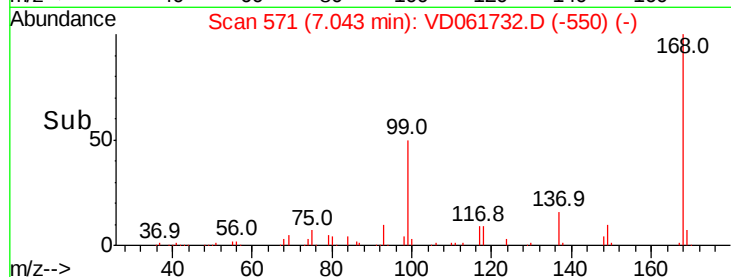
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 17.536 ug/l

RT: 1.59 min Scan# 17

Delta R.T. 0.01 min

Lab File: VD061732.D

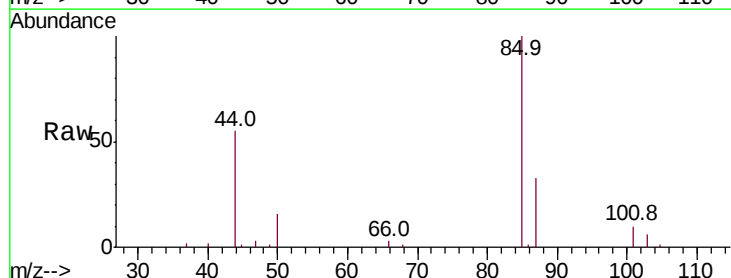
Acq: 11 Apr 2019 10:29

Tgt Ion: 85 Resp: 127304

Ion Ratio Lower Upper

85 100

87 33.4 16.6 49.8



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.59

50000

40000

30000

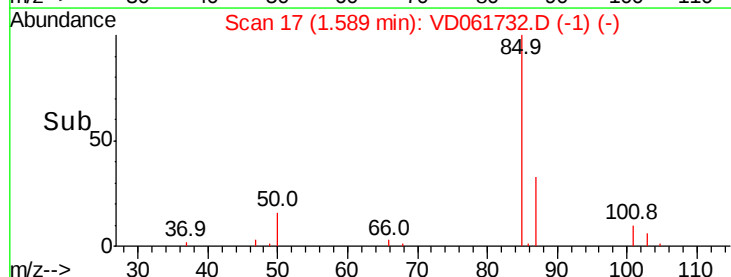
20000

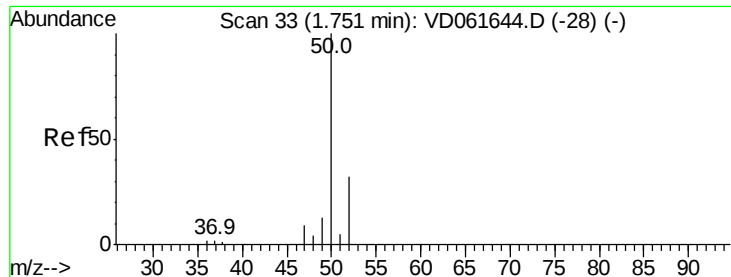
10000

0

1.50 1.60 1.70

Time-->





#3

Chloromethane

Concen: 19.102 ug/l

RT: 1.76 min Scan# 34

Delta R.T. 0.01 min

Lab File: VD061732.D

Acq: 11 Apr 2019 10:29

Instrument :

MSVOA_D

ClientSampleId :

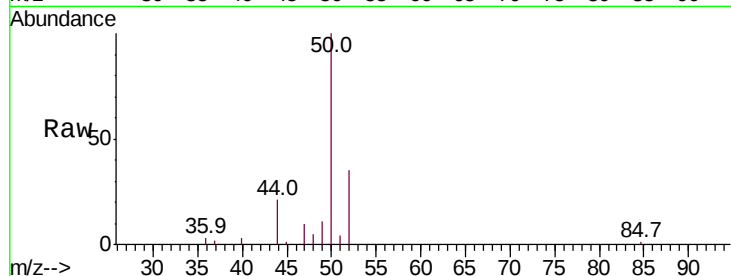
VD0410SBS02

Tot Ion: 50 Resp: 112057

Ion Ratio Lower Upper

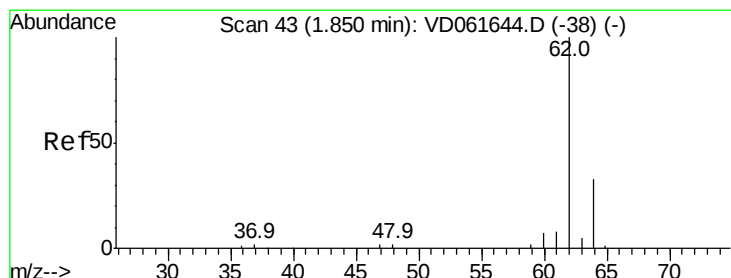
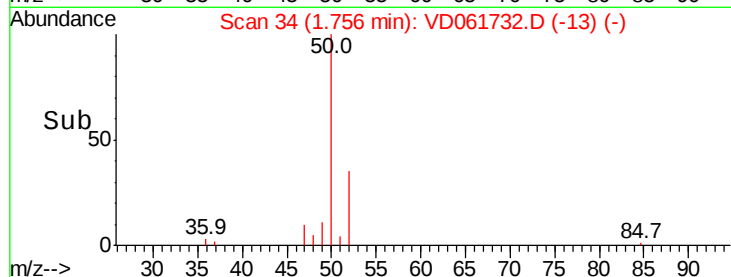
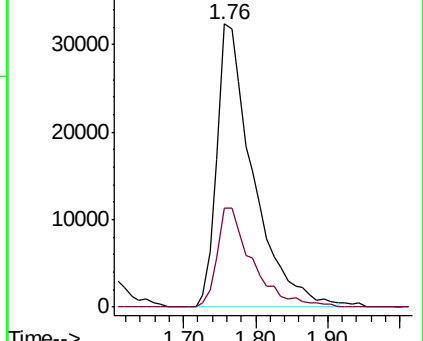
50 100

52 34.9 25.1 37.7



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 19.600 ug/l

RT: 1.85 min Scan# 44

Delta R.T. 0.01 min

Lab File: VD061732.D

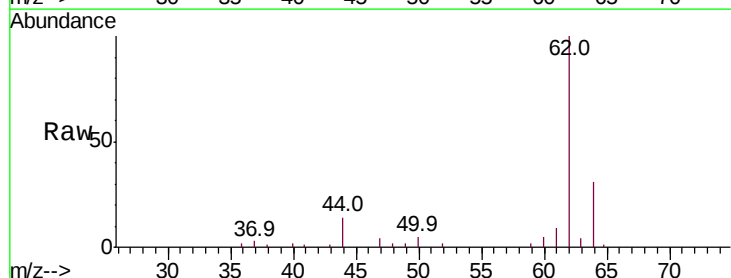
Acq: 11 Apr 2019 10:29

Tgt Ion: 62 Resp: 107439

Ion Ratio Lower Upper

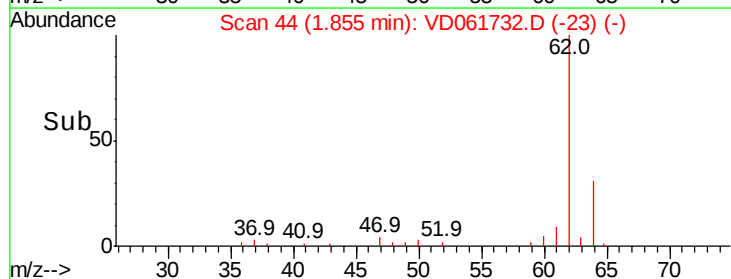
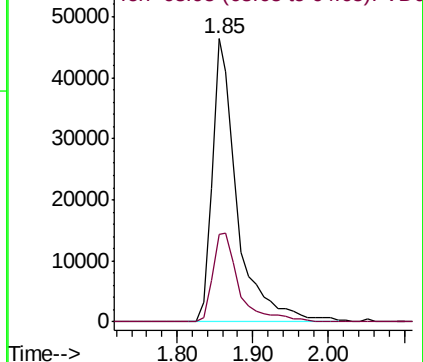
62 100

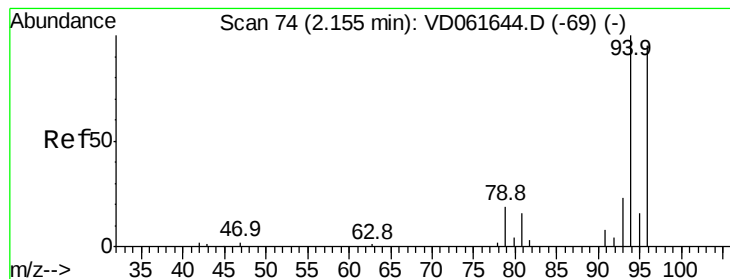
64 31.1 26.2 39.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 15.978 ug/l

RT: 2.16 min Scan# 75

Delta R.T. 0.01 min

Lab File: VD061732.D

Acq: 11 Apr 2019 10:29

Instrument :

MSVOA_D

ClientSampleId :

VD0410SBS02

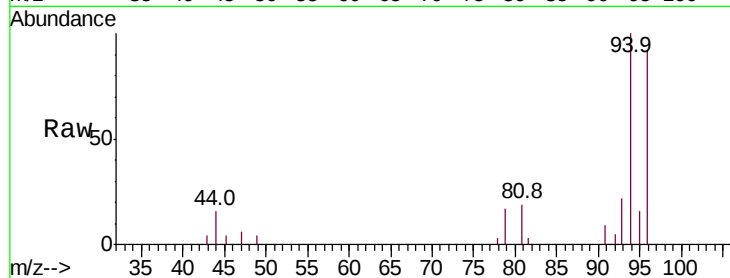
Tot Ion: 94 Resp: 20273

Ion Ratio Lower Upper

94 100

96 92.3 75.8 113.8

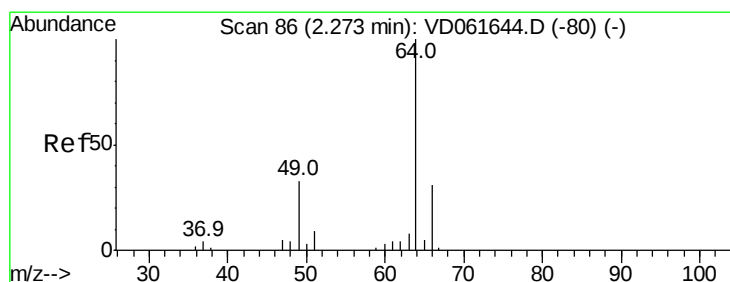
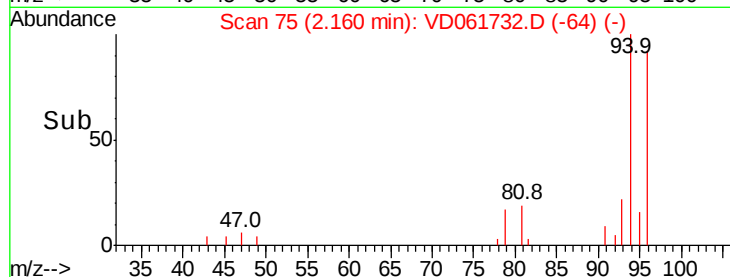
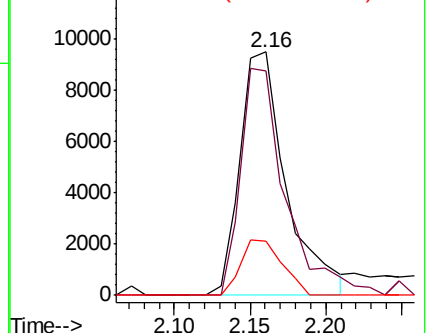
93 22.3 18.6 28.0



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 18.163 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.01 min

Lab File: VD061732.D

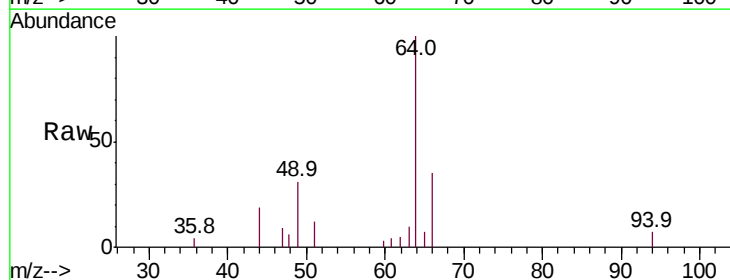
Acq: 11 Apr 2019 10:29

Tgt Ion: 64 Resp: 31185

Ion Ratio Lower Upper

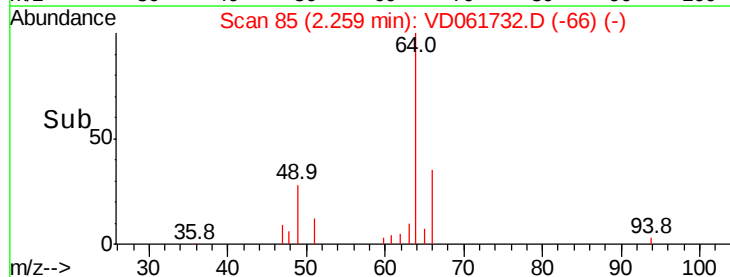
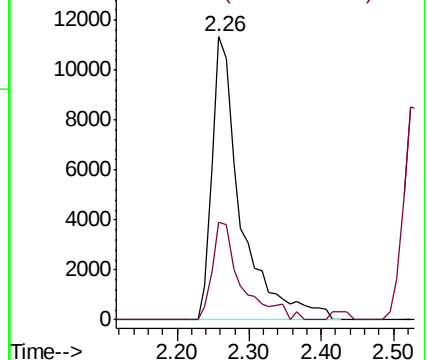
64 100

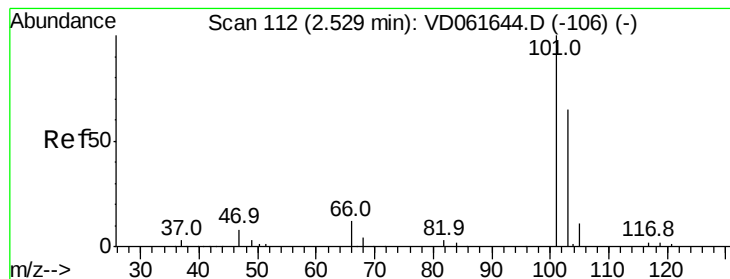
66 34.6 24.9 37.3



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



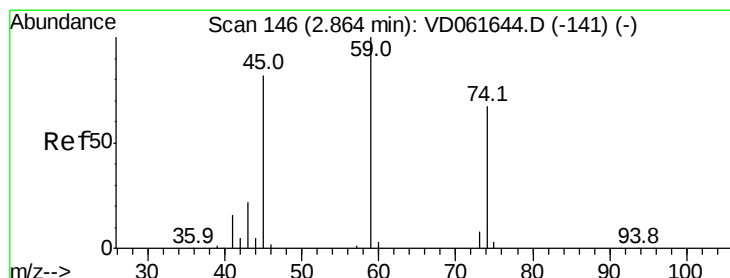
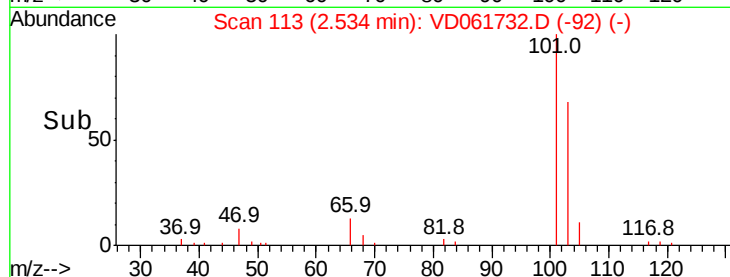
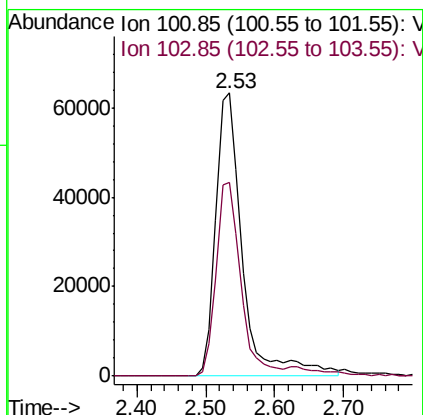
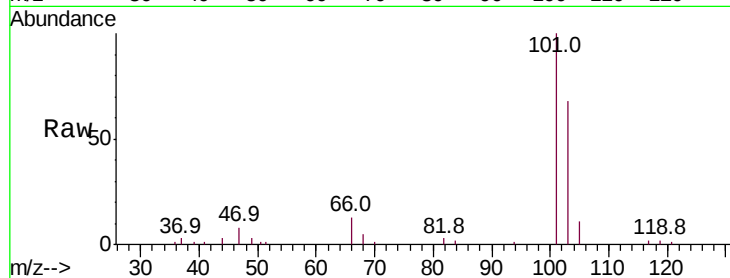


#7

Trichlorofluoromethane
 Concen: 20.664 ug/l
 RT: 2.53 min Scan# 113
 Delta R.T. 0.01 min
 Lab File: VD061732.D
 Acq: 11 Apr 2019 10:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0410SBS02

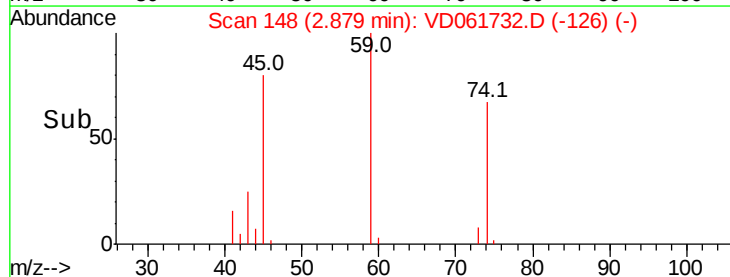
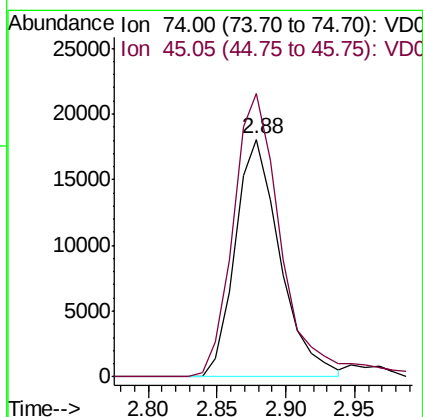
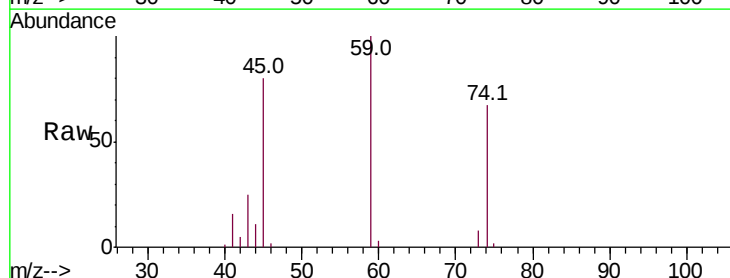
Tot Ion:101 Resp: 171027
 Ion Ratio Lower Upper
 101 100
 103 68.3 52.0 78.0

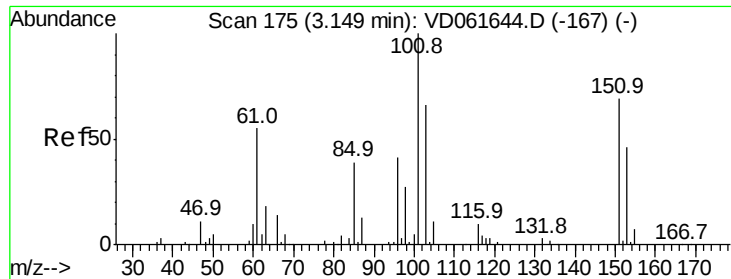


#8

Diethyl Ether
 Concen: 17.631 ug/l
 RT: 2.88 min Scan# 148
 Delta R.T. 0.01 min
 Lab File: VD061732.D
 Acq: 11 Apr 2019 10:29

Tgt Ion: 74 Resp: 40954
 Ion Ratio Lower Upper
 74 100
 45 119.1 61.0 183.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.773 ug/l

RT: 3.15 min Scan# 176

Delta R.T. 0.01 min

Lab File: VD061732.D

Acq: 11 Apr 2019 10:29

Instrument :

MSVOA_D

ClientSampleId :

VD0410SBS02

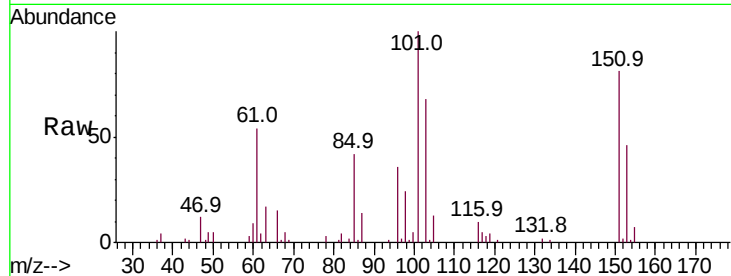
Tot Ion:101 Resp: 160898

Ion Ratio Lower Upper

101 100

85 41.6 31.0 46.6

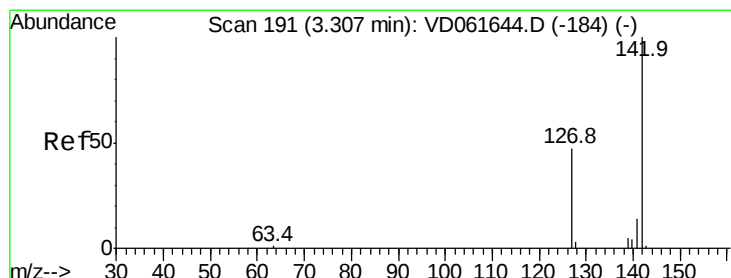
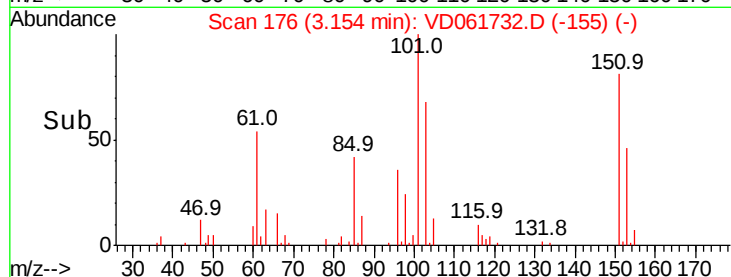
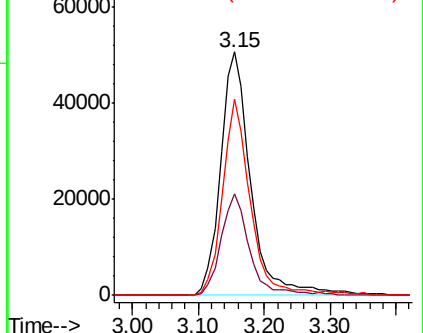
151 80.6 55.3 82.9



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: 19.676 ug/l

RT: 3.31 min Scan# 192

Delta R.T. 0.01 min

Lab File: VD061732.D

Acq: 11 Apr 2019 10:29

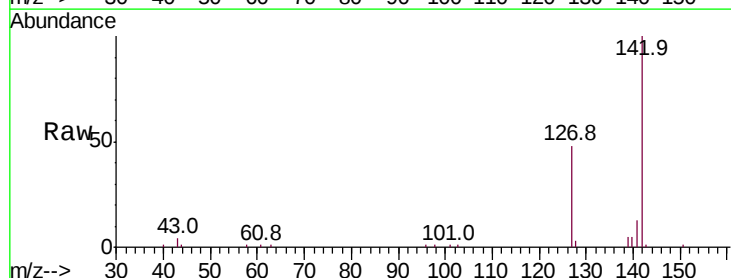
Tgt Ion:142 Resp: 209745

Ion Ratio Lower Upper

142 100

127 48.5 37.2 55.8

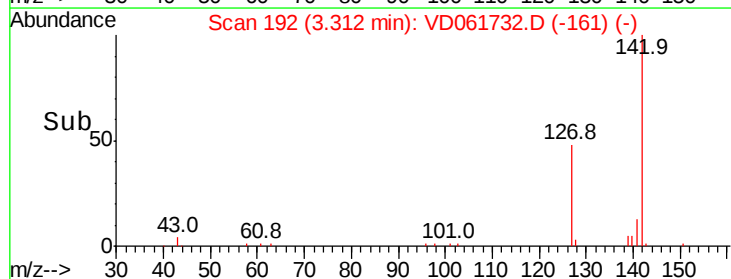
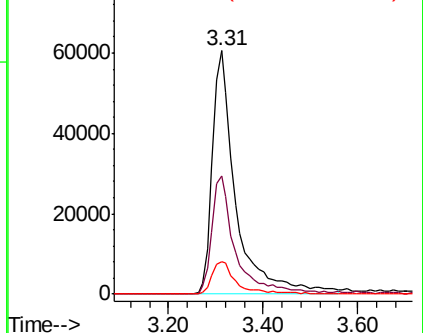
141 13.1 10.8 16.2

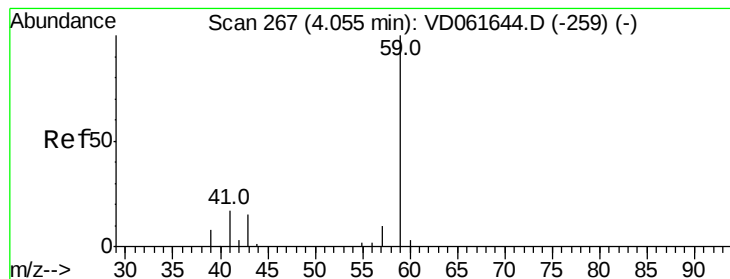


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



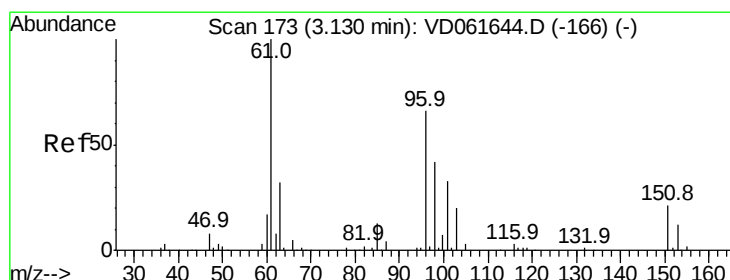
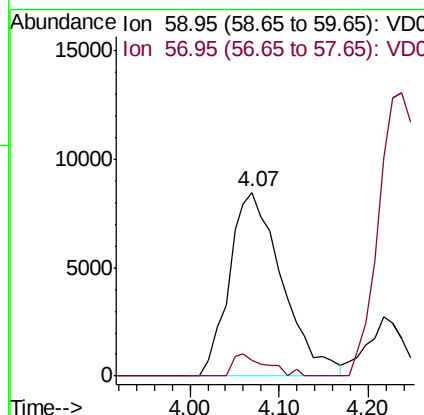
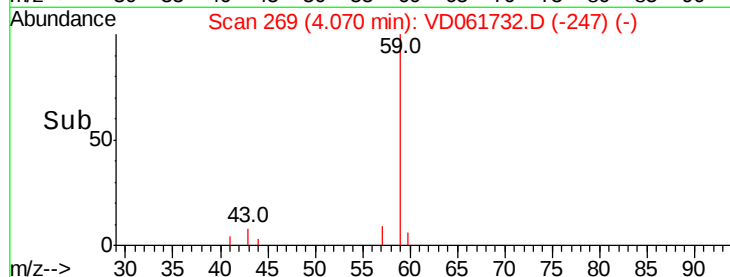
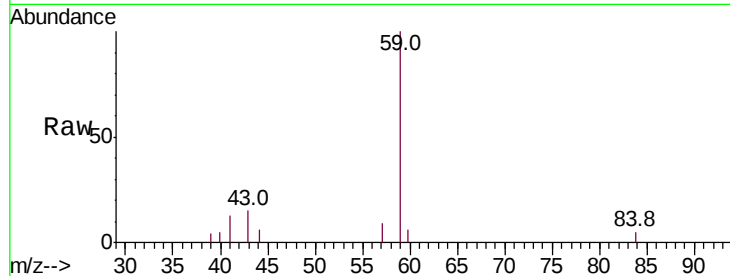


#11

Tert butyl alcohol
 Concen: 102.341 ug/l
 RT: 4.07 min Scan# 269
 Delta R.T. 0.01 min
 Lab File: VD061732.D
 Acq: 11 Apr 2019 10:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0410SBS02

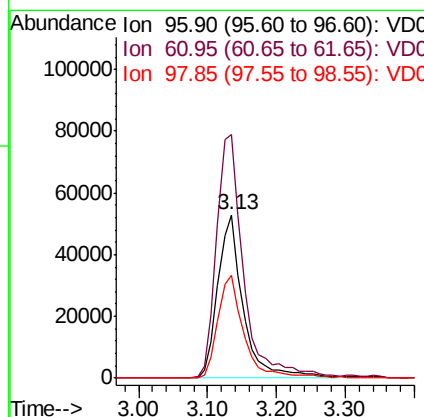
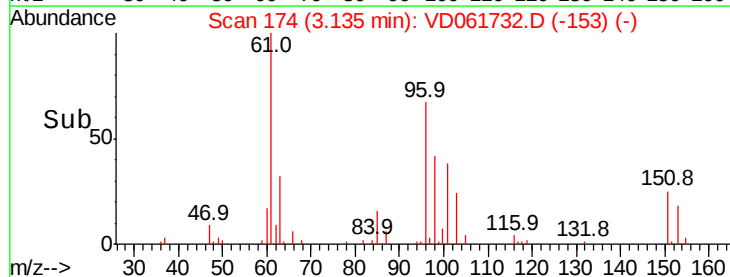
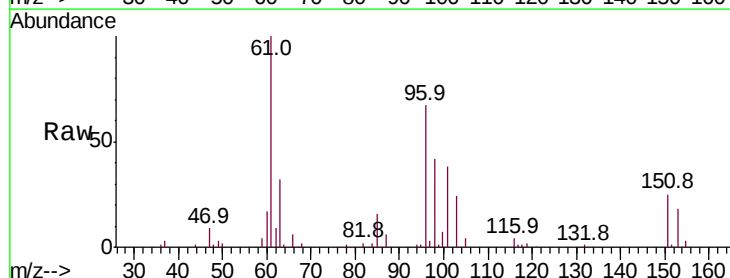
Tot Ion: 59 Resp: 34983
 Ion Ratio Lower Upper
 59 100
 57 8.6 8.4 12.6

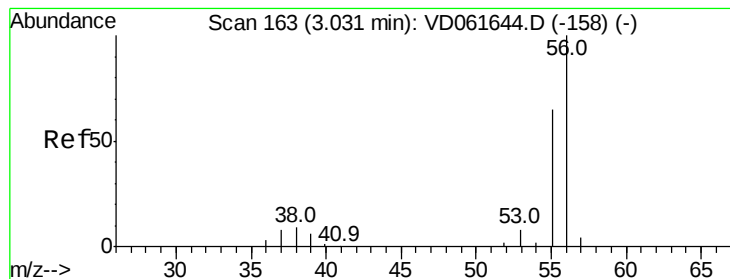


#12

1,1-Dichloroethene
 Concen: 19.339 ug/l
 RT: 3.13 min Scan# 174
 Delta R.T. 0.01 min
 Lab File: VD061732.D
 Acq: 11 Apr 2019 10:29

Tgt Ion: 96 Resp: 135657
 Ion Ratio Lower Upper
 96 100
 61 149.1 121.3 181.9
 98 62.8 50.6 76.0





#13

Acrolein

Concen: 58.448 ug/l

RT: 3.04 min Scan# 164

Delta R.T. 0.01 min

Lab File: VD061732.D

Acq: 11 Apr 2019 10:29

Instrument :

MSVOA_D

ClientSampleId :

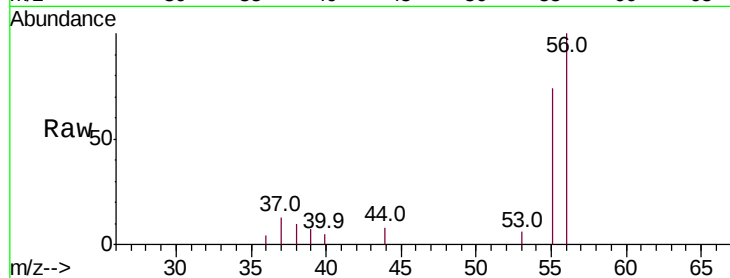
VD0410SBS02

Tot Ion: 56 Resp: 24359

Ion Ratio Lower Upper

56 100

55 73.7 51.8 77.6



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.04

8000

6000

4000

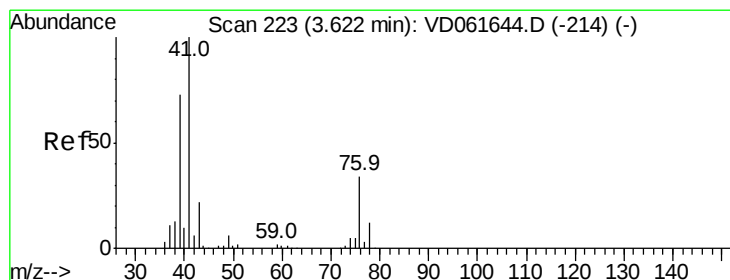
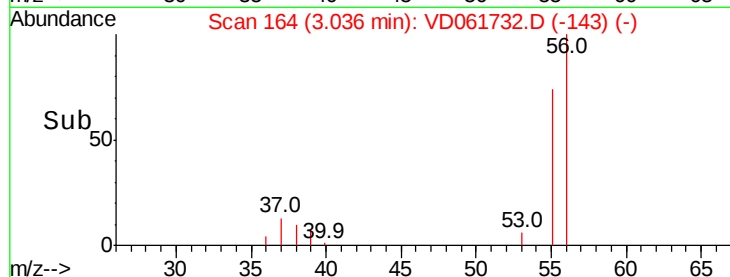
2000

0

Time-->

3.00

3.10



#14

Allyl chloride

Concen: 17.319 ug/l

RT: 3.63 min Scan# 224

Delta R.T. 0.01 min

Lab File: VD061732.D

Acq: 11 Apr 2019 10:29

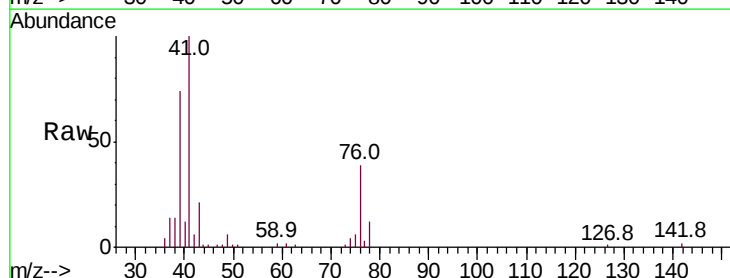
Tgt Ion: 41 Resp: 165700

Ion Ratio Lower Upper

41 100

39 74.4 58.2 87.4

76 39.3 29.8 44.6



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

3.63

80000

60000

40000

20000

0

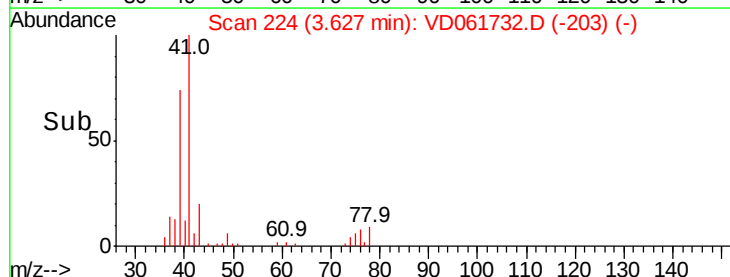
Time-->

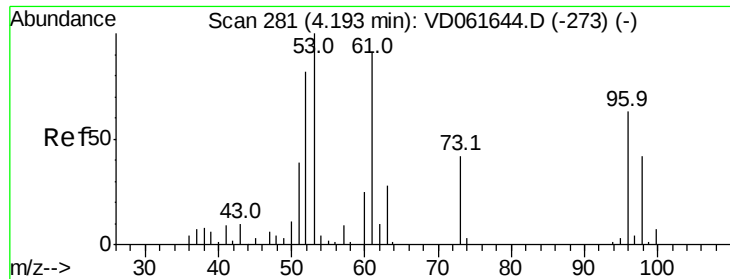
3.50

3.60

3.70

3.80





#15

Acrylonitrile

Concen: 91.338 ug/l

RT: 4.20 min Scan# 282

Delta R.T. 0.01 min

Lab File: VD061732.D

Acq: 11 Apr 2019 10:29

Instrument :

MSVOA_D

ClientSampleId :

VD0410SBS02

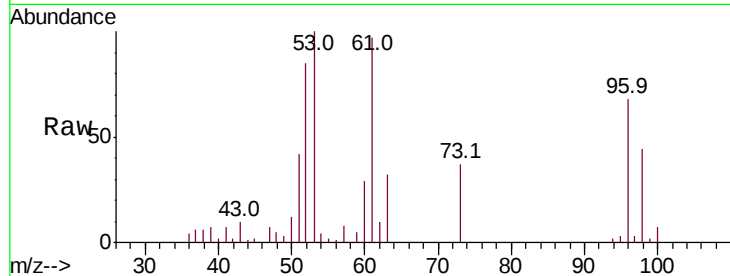
Tot Ion: 53 Resp: 107476

Ion Ratio Lower Upper

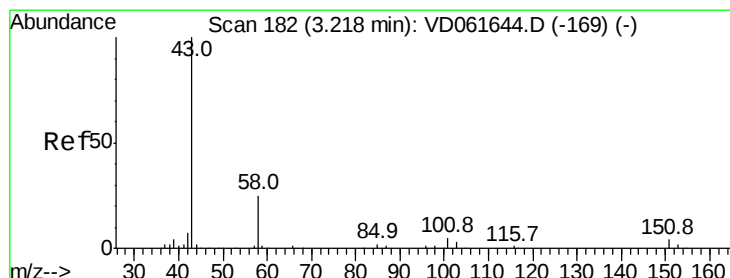
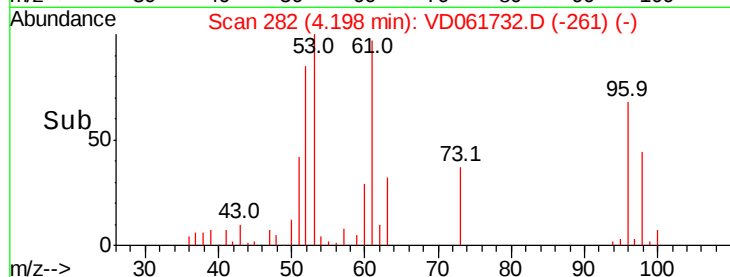
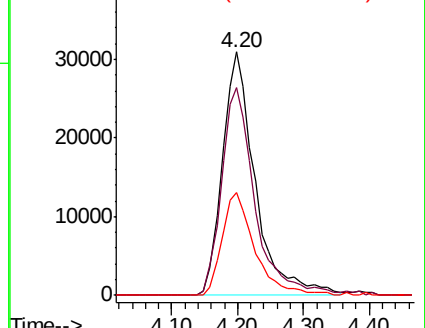
53 100

52 85.4 65.9 98.9

51 42.1 31.4 47.2



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



#16

Acetone

Concen: 91.016 ug/l

RT: 3.22 min Scan# 183

Delta R.T. 0.01 min

Lab File: VD061732.D

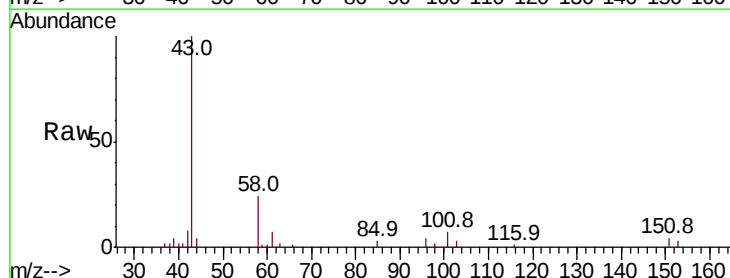
Acq: 11 Apr 2019 10:29

Tgt Ion: 43 Resp: 138772

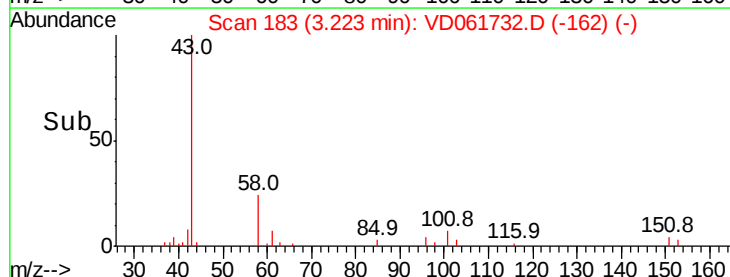
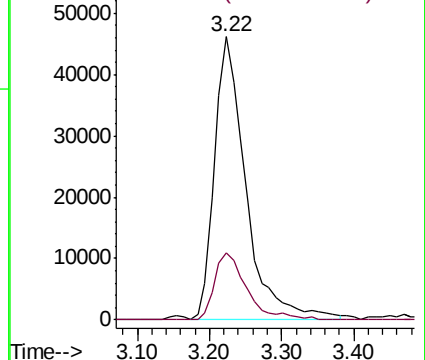
Ion Ratio Lower Upper

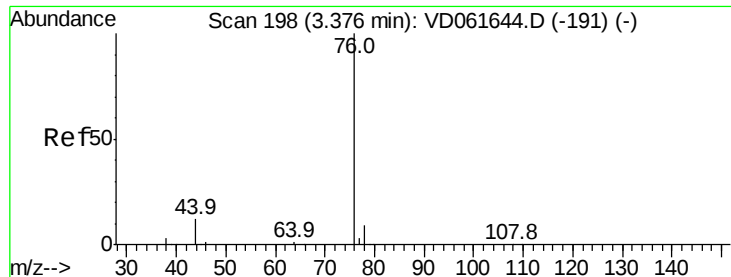
43 100

58 23.9 19.7 29.5



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





#17

Carbon Disulfide

Concen: 17.760 ug/l

RT: 3.37 min Scan# 198

Delta R.T. -0.00 min

Lab File: VD061732.D

Acq: 11 Apr 2019 10:29

Instrument :

MSVOA_D

ClientSampleId :

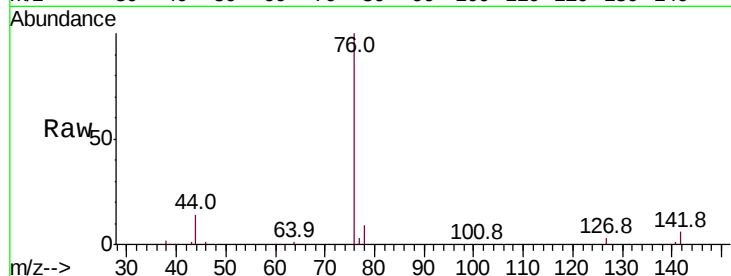
VD0410SBS02

Tot Ion: 76 Resp: 404811

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.37

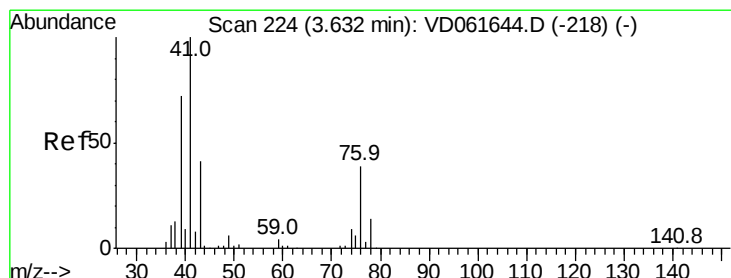
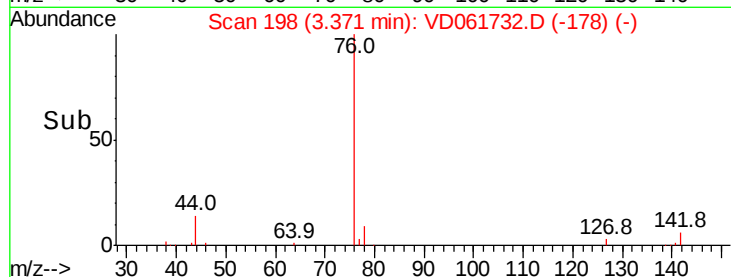
150000

100000

50000

0

Time--> 3.20 3.30 3.40 3.50 3.60



#18

Methyl Acetate

Concen: 18.633 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.01 min

Lab File: VD061732.D

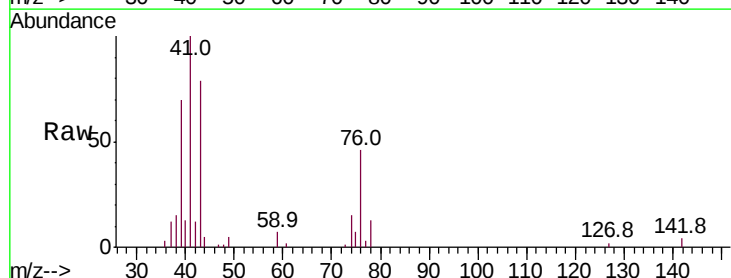
Acq: 11 Apr 2019 10:29

Tgt Ion: 43 Resp: 53452

Ion Ratio Lower Upper

43 100

74 19.6 18.2 27.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.65

20000

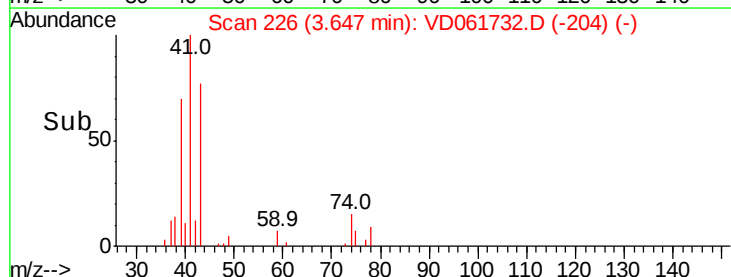
15000

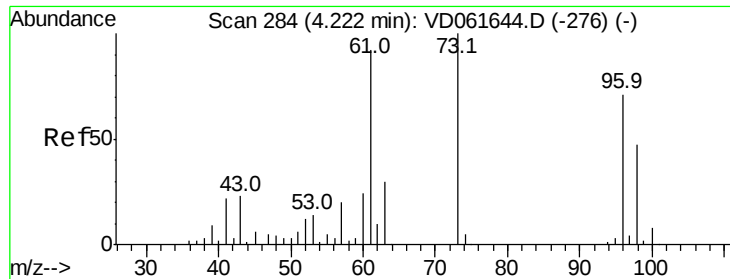
10000

5000

0

Time--> 3.50 3.60 3.70 3.80

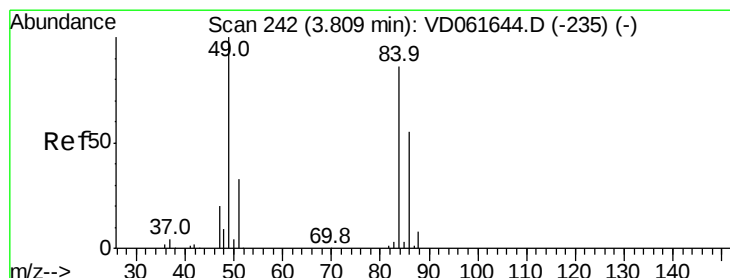
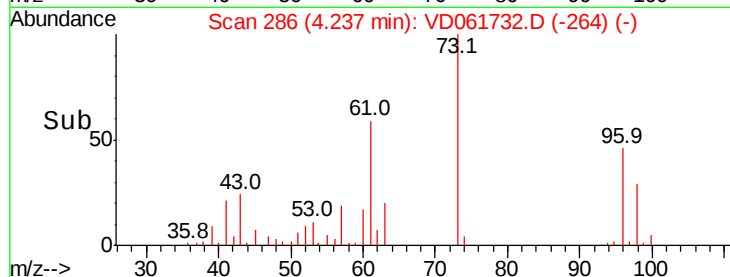
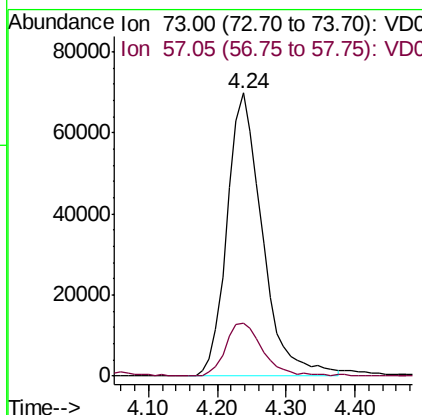
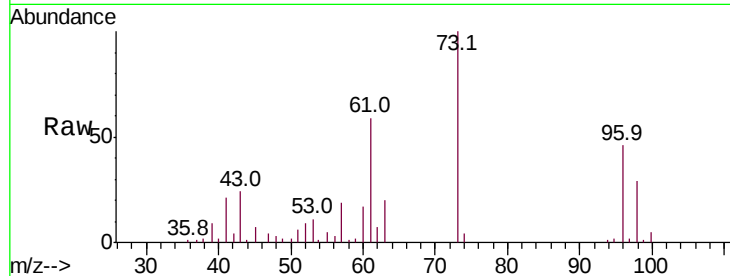




#19
Methyl tert-butyl Ether
Concen: 20.459 ug/l
RT: 4.24 min Scan# 286
Delta R.T. 0.01 min
Lab File: VD061732.D
Acq: 11 Apr 2019 10:29

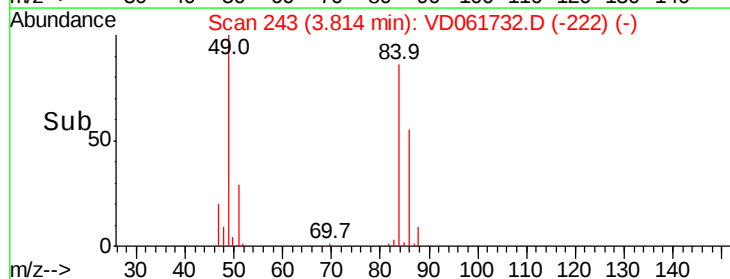
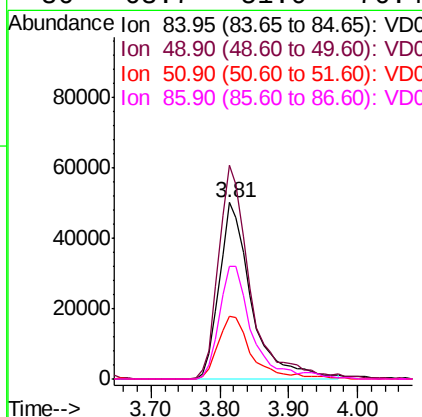
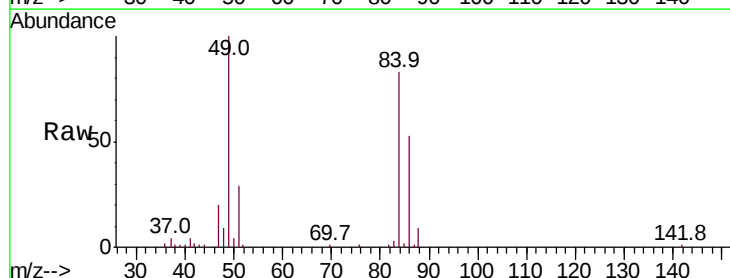
Instrument :
MSVOA_D
ClientSampleId :
VD0410SBS02

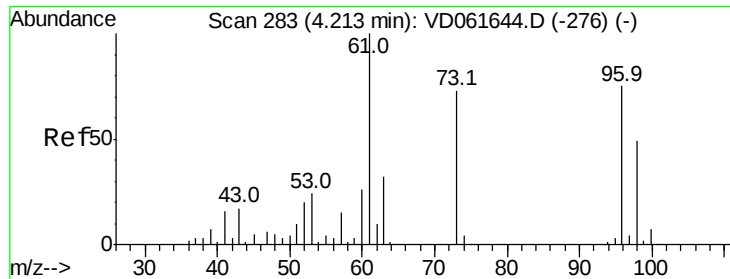
Tot Ion: 73 Resp: 248493
Ion Ratio Lower Upper
73 100
57 18.7 16.0 24.0



#20
Methylene Chloride
Concen: 18.812 ug/l
RT: 3.81 min Scan# 243
Delta R.T. 0.01 min
Lab File: VD061732.D
Acq: 11 Apr 2019 10:29

Tgt Ion: 84 Resp: 162758
Ion Ratio Lower Upper
84 100
49 121.2 93.0 139.4
51 35.3 30.4 45.6
86 63.7 51.0 76.4





#21

trans-1,2-Dichloroethene

Concen: 19.581 ug/l

RT: 4.22 min Scan# 284

Delta R.T. 0.01 min

Lab File: VD061732.D

Acq: 11 Apr 2019 10:29

Instrument :

MSVOA_D

ClientSampleId :

VD0410SBS02

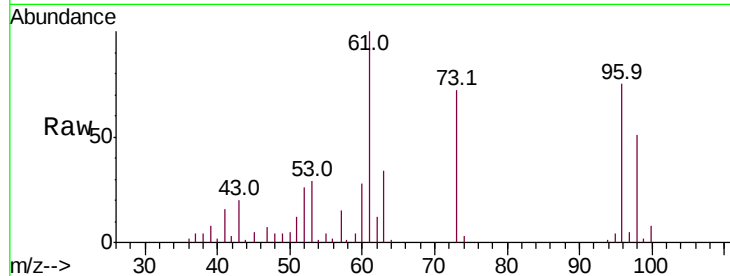
Tot Ion: 96 Resp: 149181

Ion Ratio Lower Upper

96 100

61 133.3 106.8 160.2

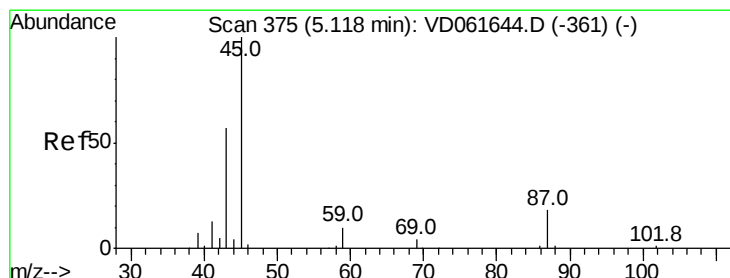
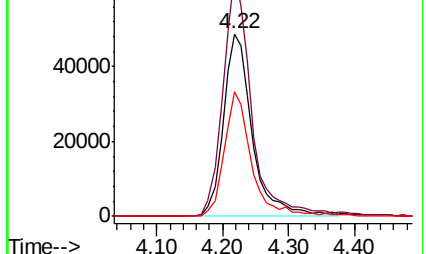
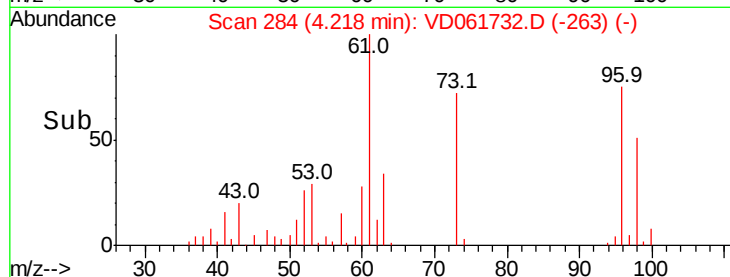
98 68.4 52.2 78.2



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 19.287 ug/l

RT: 5.12 min Scan# 376

Delta R.T. 0.01 min

Lab File: VD061732.D

Acq: 11 Apr 2019 10:29

Tgt Ion: 45 Resp: 386885

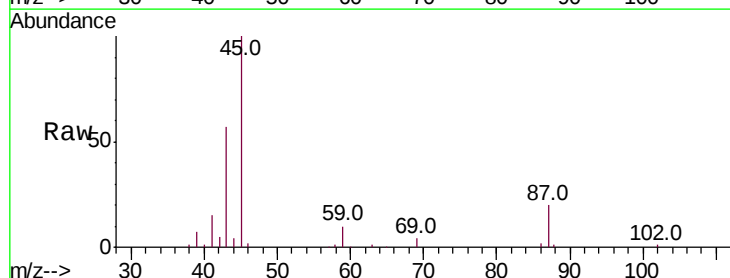
Ion Ratio Lower Upper

45 100

43 56.6 46.6 70.0

87 20.0 15.6 23.4

59 10.3 8.6 13.0

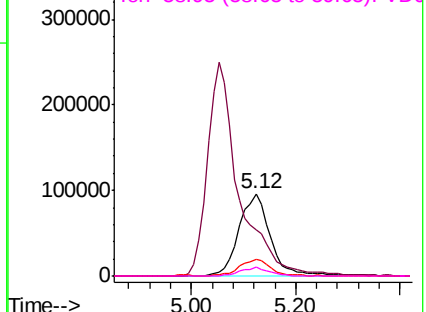
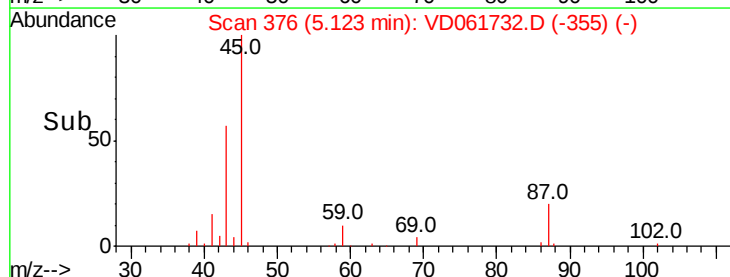


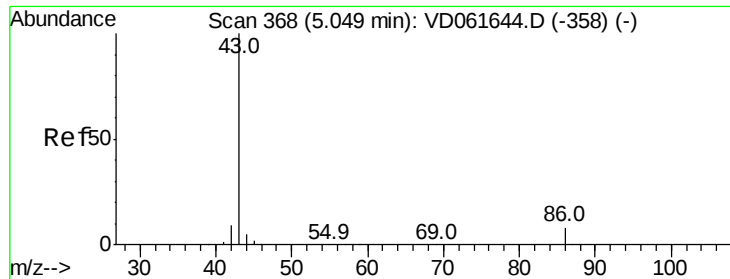
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 92.142 ug/l

RT: 5.05 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD061732.D

Acq: 11 Apr 2019 10:29

Instrument :

MSVOA_D

ClientSampleId :

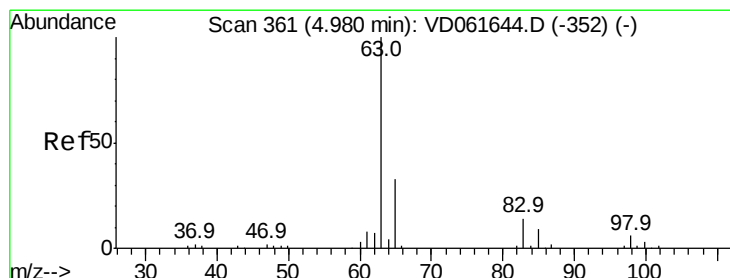
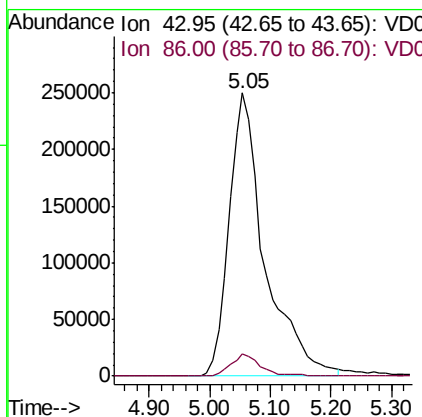
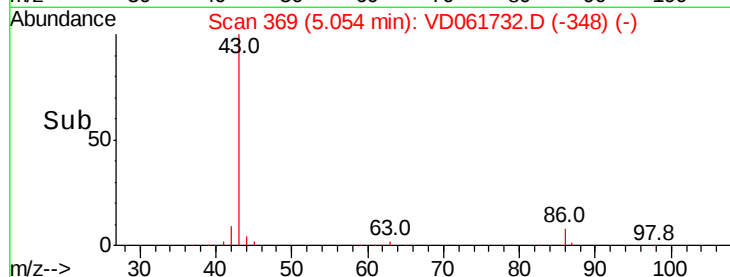
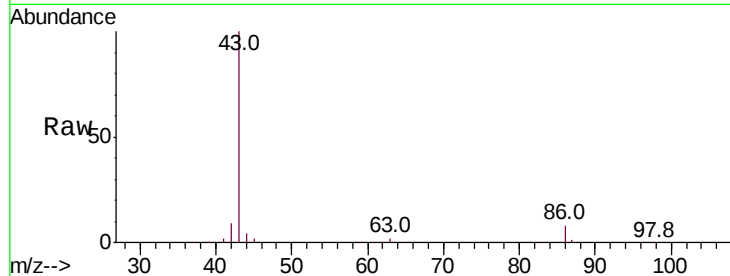
VD0410SBS02

Tot Ion: 43 Resp: 1019862

Ion Ratio Lower Upper

43 100

86 8.0 6.4 9.6



#24

1,1-Dichloroethane

Concen: 18.495 ug/l

RT: 4.99 min Scan# 362

Delta R.T. 0.01 min

Lab File: VD061732.D

Acq: 11 Apr 2019 10:29

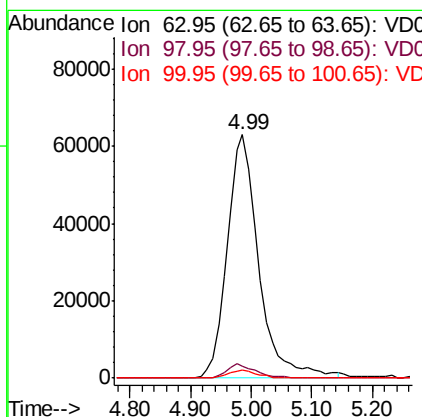
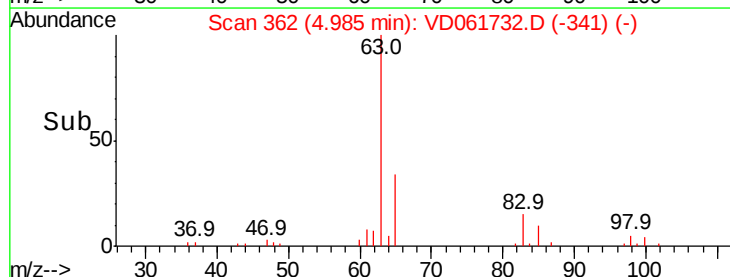
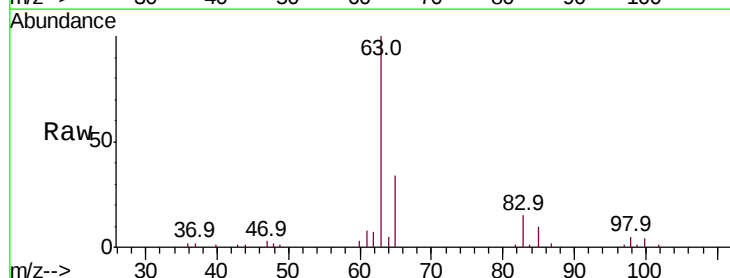
Tgt Ion: 63 Resp: 227346

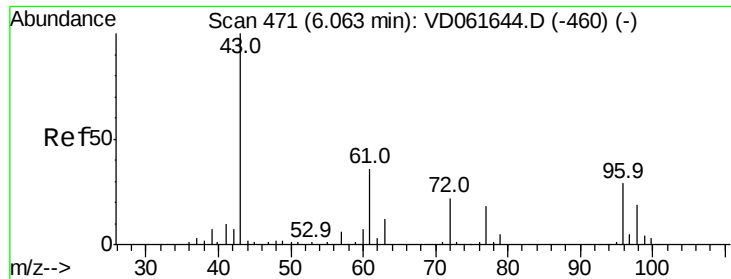
Ion Ratio Lower Upper

63 100

98 5.1 2.9 8.6

100 3.5 1.7 5.1





#25

2-Butanone

Concen: 95.131 ug/l

RT: 6.07 min Scan# 472

Delta R.T. 0.01 min

Lab File: VD061732.D

Acq: 11 Apr 2019 10:29

Instrument :

MSVOA_D

ClientSampleId :

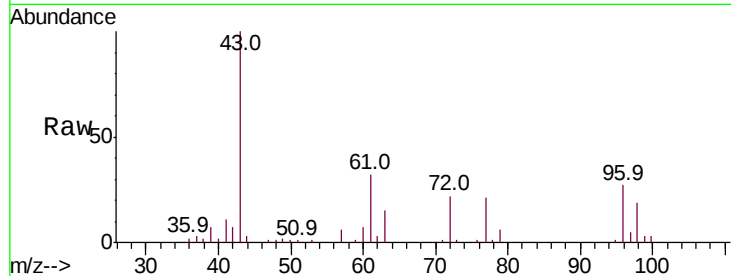
VD0410SBS02

Tot Ion: 43 Resp: 167214

Ion Ratio Lower Upper

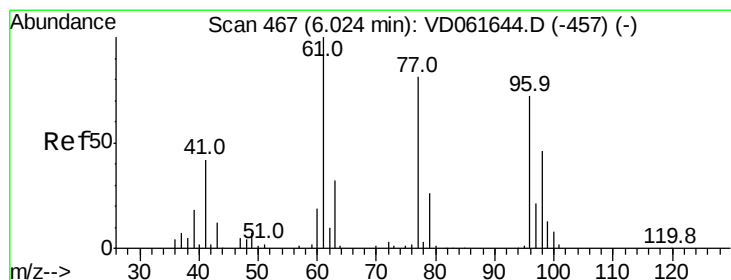
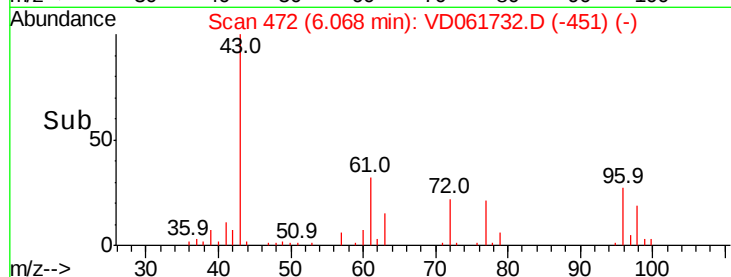
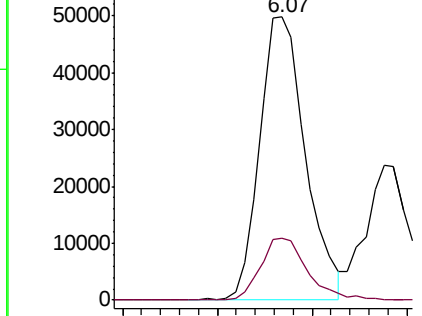
43 100

72 21.9 17.4 26.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 20.281 ug/l

RT: 6.03 min Scan# 468

Delta R.T. 0.01 min

Lab File: VD061732.D

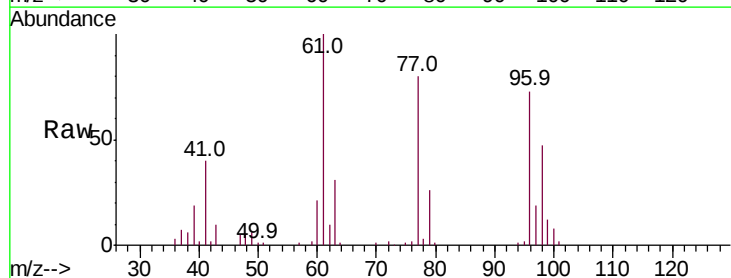
Acq: 11 Apr 2019 10:29

Tgt Ion: 77 Resp: 202990

Ion Ratio Lower Upper

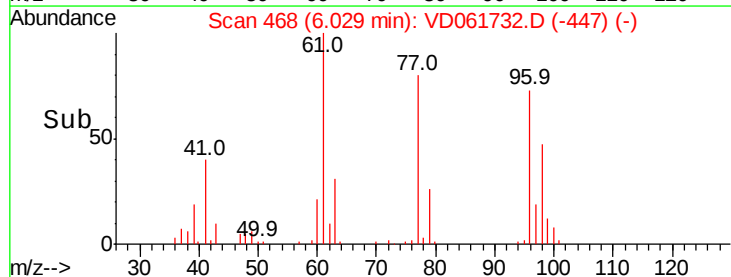
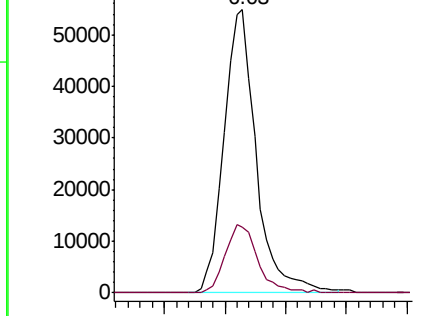
77 100

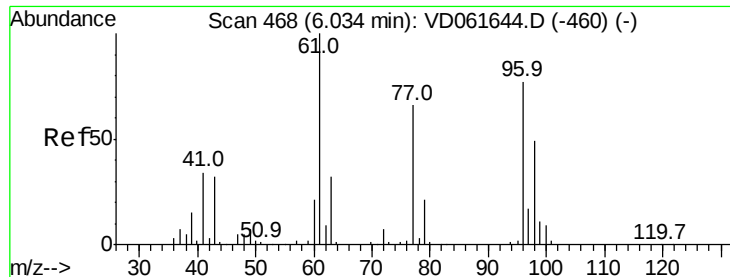
97 23.1 12.7 38.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



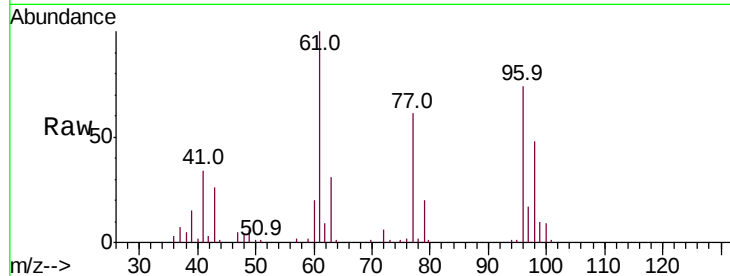


#27

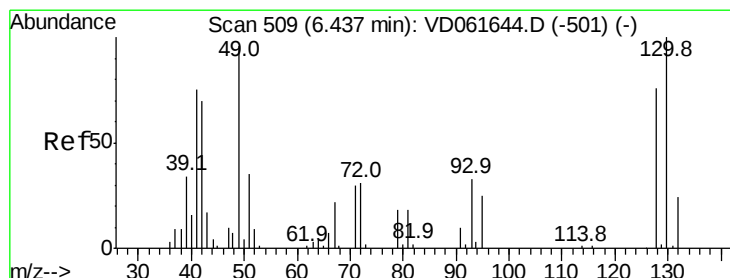
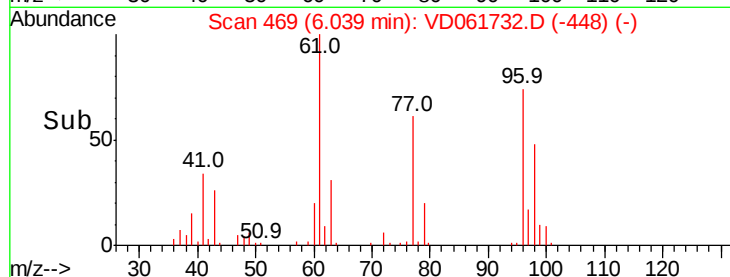
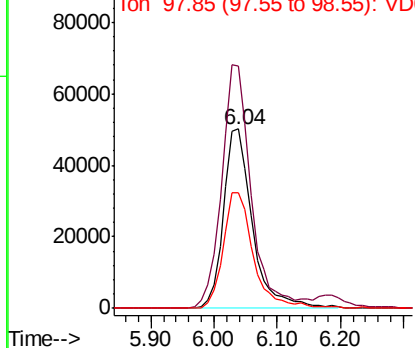
cis-1,2-Dichloroethene
 Concen: 19.568 ug/l
 RT: 6.04 min Scan# 469
 Delta R.T. 0.01 min
 Lab File: VD061732.D
 Acq: 11 Apr 2019 10:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0410SBS02

Tot Ion: 96 Resp: 159045
 Ion Ratio Lower Upper
 96 100
 61 135.0 0.0 259.8
 98 64.8 0.0 127.6



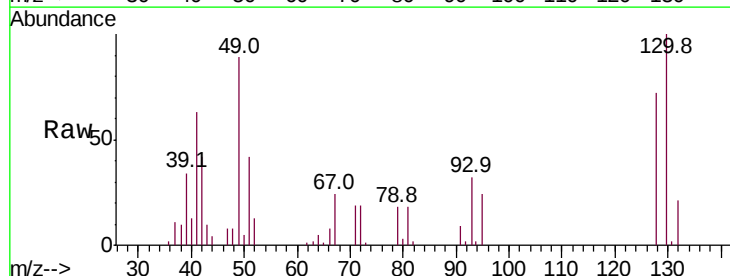
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



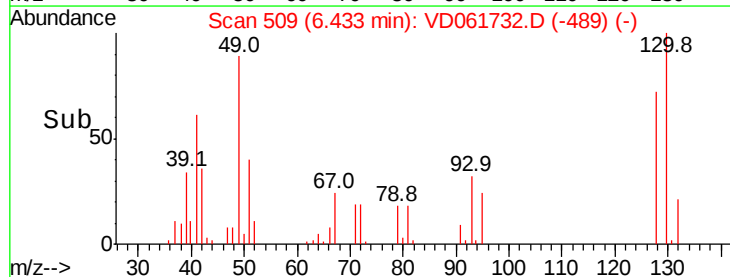
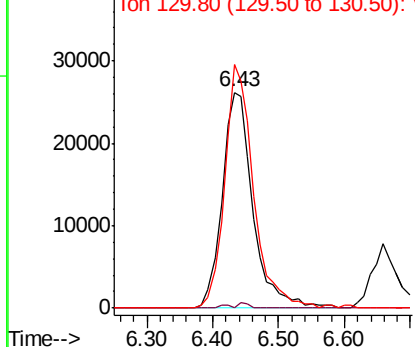
#28

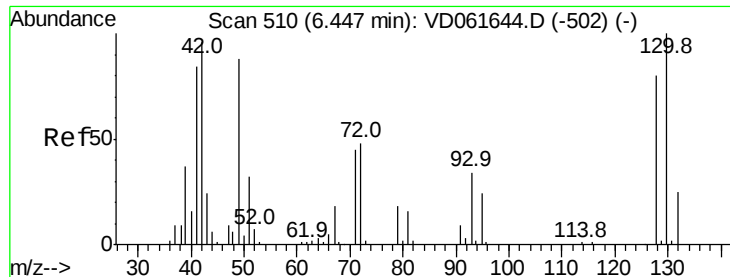
Bromochloromethane
 Concen: 18.709 ug/l
 RT: 6.43 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VD061732.D
 Acq: 11 Apr 2019 10:29

Tgt Ion: 49 Resp: 84836
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 4.0
 130 112.9 83.3 124.9



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

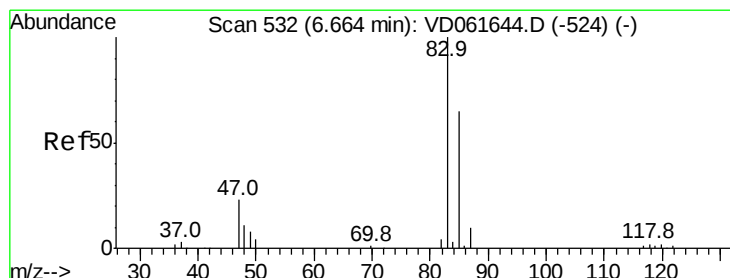
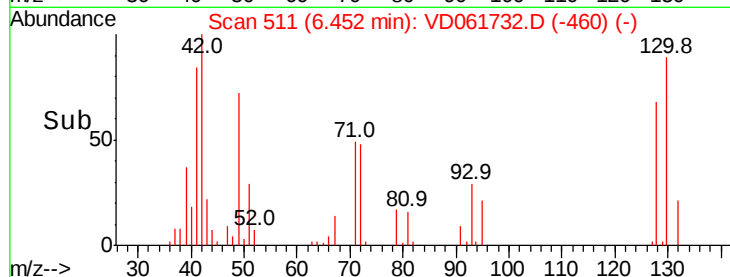
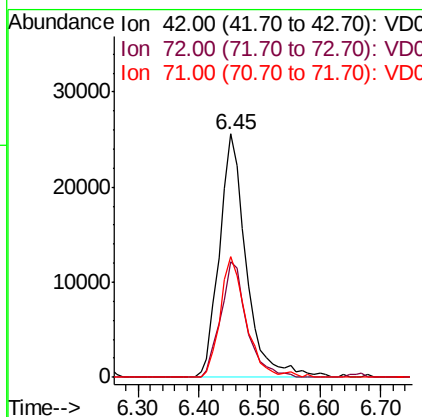
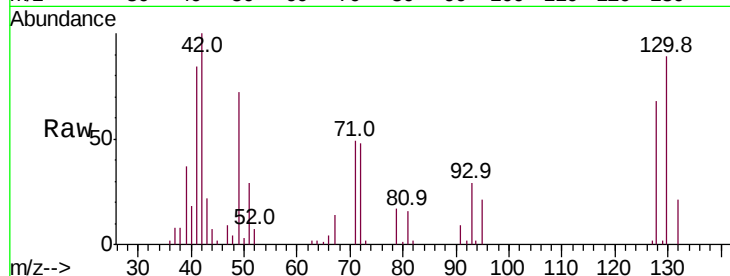




#29
Tetrahydrofuran
Concen: 92.926 ug/l
RT: 6.45 min Scan# 511
Delta R.T. 0.01 min
Lab File: VD061732.D
Acq: 11 Apr 2019 10:29

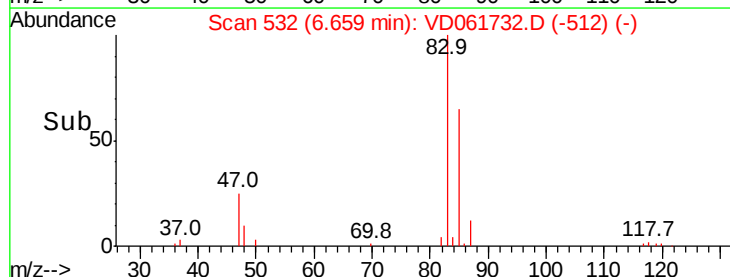
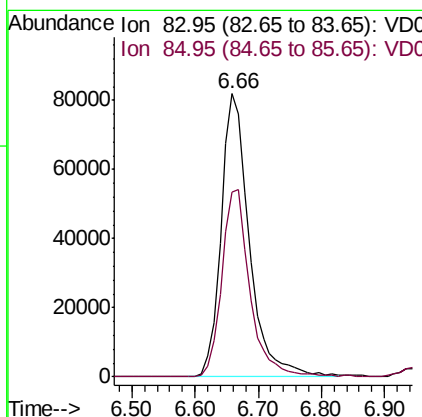
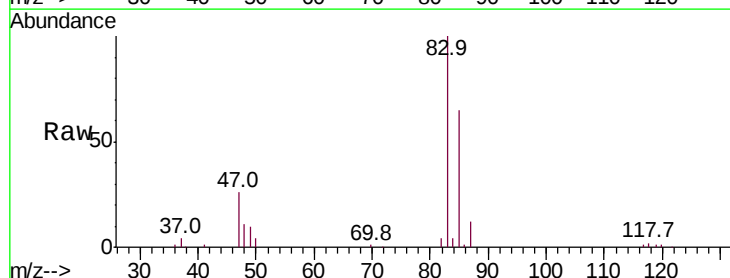
Instrument :
MSVOA_D
ClientSampleId :
VD0410SBS02

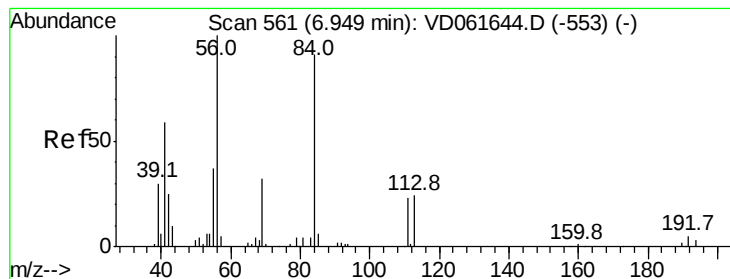
Tot Ion: 42 Resp: 78849
Ion Ratio Lower Upper
42 100
72 46.1 37.0 55.6
71 47.6 36.5 54.7



#30
Chloroform
Concen: 19.737 ug/l
RT: 6.66 min Scan# 532
Delta R.T. -0.00 min
Lab File: VD061732.D
Acq: 11 Apr 2019 10:29

Tgt Ion: 83 Resp: 254162
Ion Ratio Lower Upper
83 100
85 65.4 51.9 77.9





#31

Cyclohexane

Concen: 18.364 ug/l

RT: 6.95 min Scan# 562

Delta R.T. 0.01 min

Lab File: VD061732.D

Acq: 11 Apr 2019 10:29

Instrument :

MSVOA_D

ClientSampleId :

VD0410SBS02

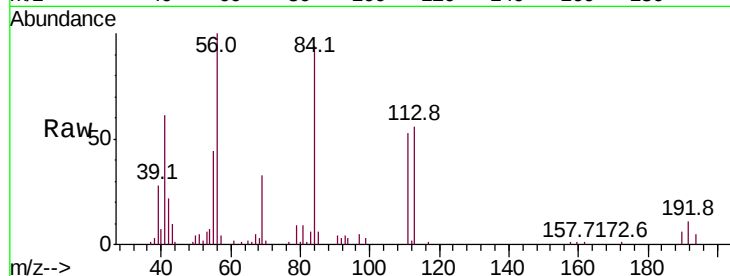
Tot Ion: 56 Resp: 176352

Ion Ratio Lower Upper

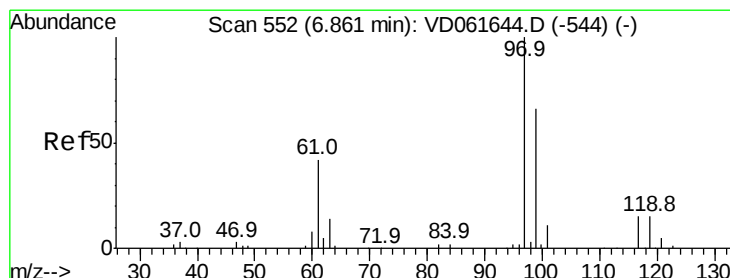
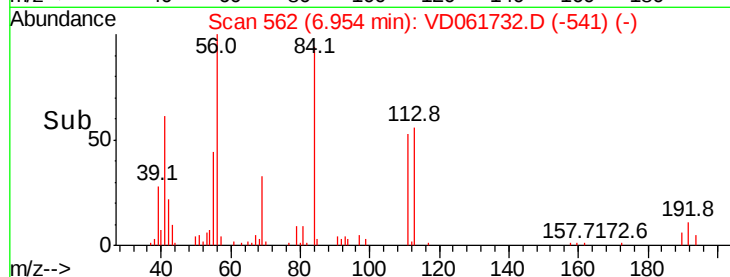
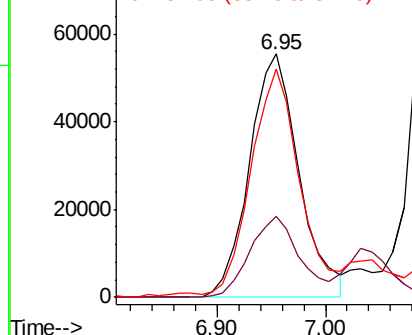
56 100

69 33.2 25.8 38.6

84 93.7 74.2 111.2



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: 19.875 ug/l

RT: 6.87 min Scan# 553

Delta R.T. 0.01 min

Lab File: VD061732.D

Acq: 11 Apr 2019 10:29

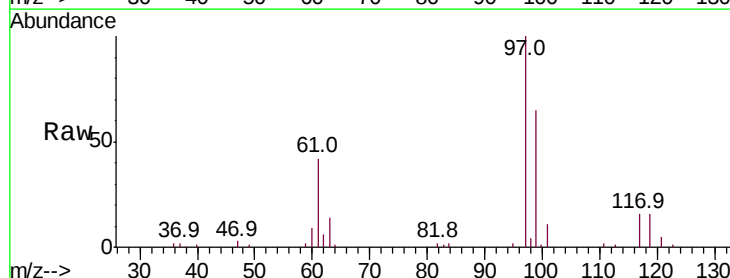
Tgt Ion: 97 Resp: 224277

Ion Ratio Lower Upper

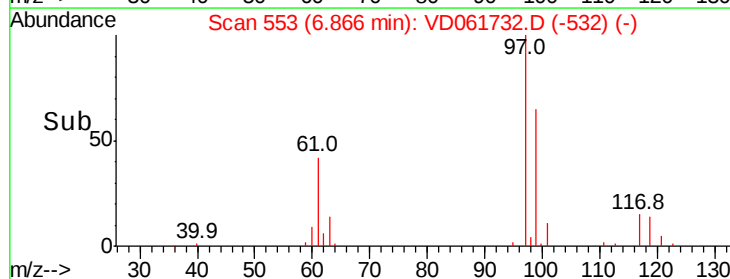
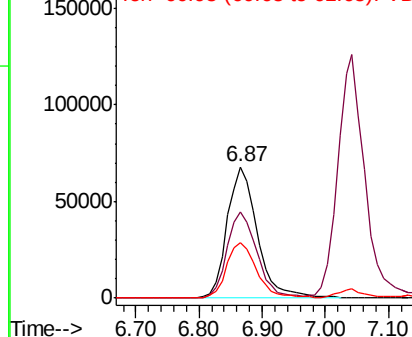
97 100

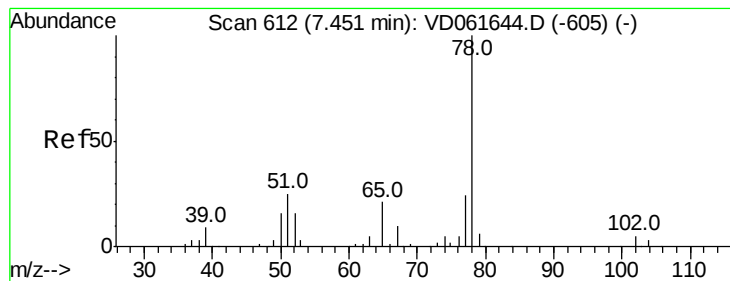
99 65.2 52.5 78.7

61 42.3 33.4 50.0



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: 19.875 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.00 min

Lab File: VD061732.D

Acq: 11 Apr 2019 10:29

Instrument :

MSVOA_D

ClientSampleId :

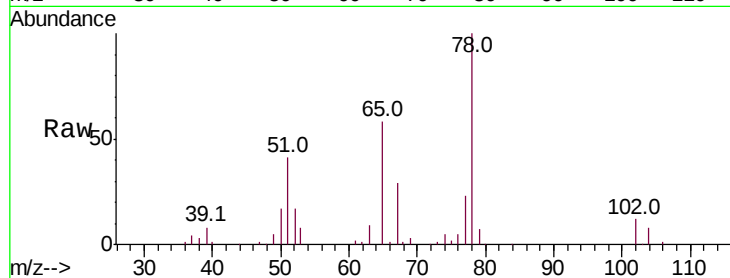
VD0410SBS02

Tot Ion: 65 Resp: 236770

Ion Ratio Lower Upper

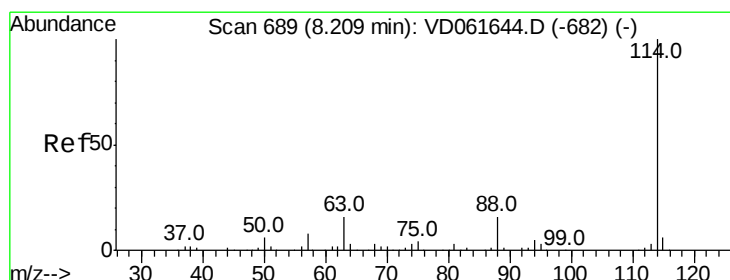
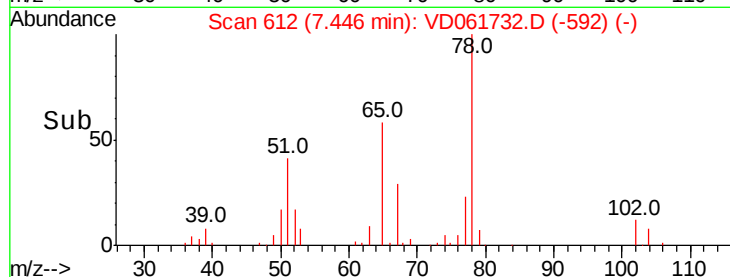
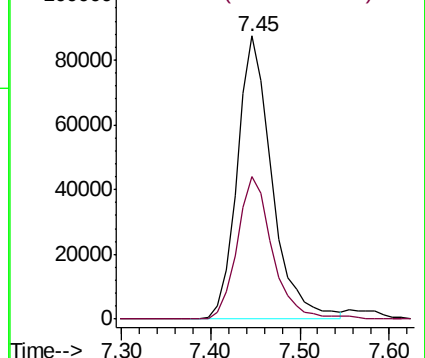
65 100

67 50.6 0.0 99.4



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: 8.21 min Scan# 690

Delta R.T. 0.01 min

Lab File: VD061732.D

Acq: 11 Apr 2019 10:29

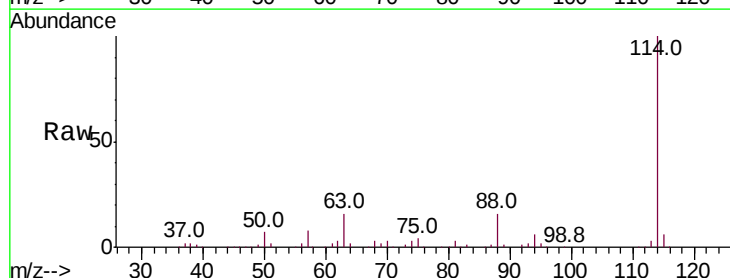
Tgt Ion: 114 Resp: 1053967

Ion Ratio Lower Upper

114 100

63 16.3 0.0 31.2

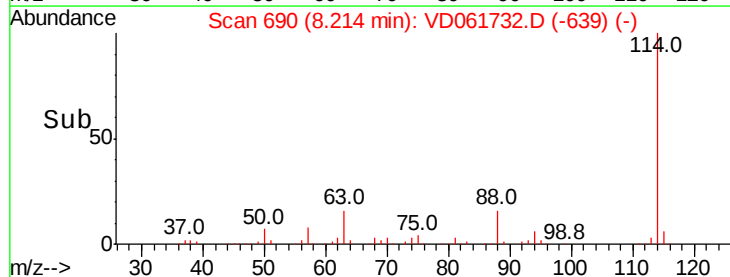
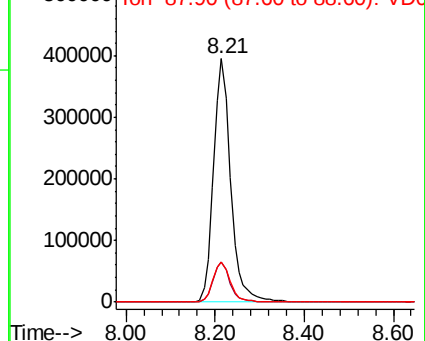
88 16.4 0.0 31.8

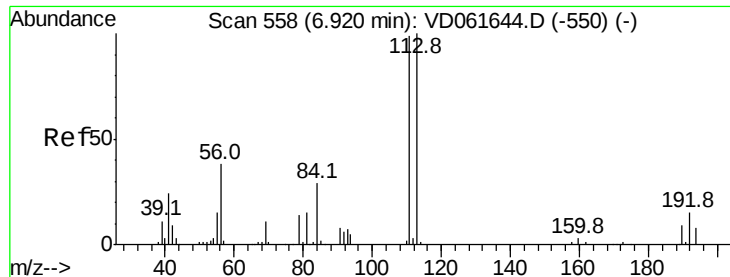


Abundance Ion 114.00 (113.70 to 114.70): VDC

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: 6.91 min Scan# 558

Delta R.T. -0.00 min

Lab File: VD061732.D

Acq: 11 Apr 2019 10:29

Instrument :

MSVOA_D

ClientSampleId :

VD0410SBS02

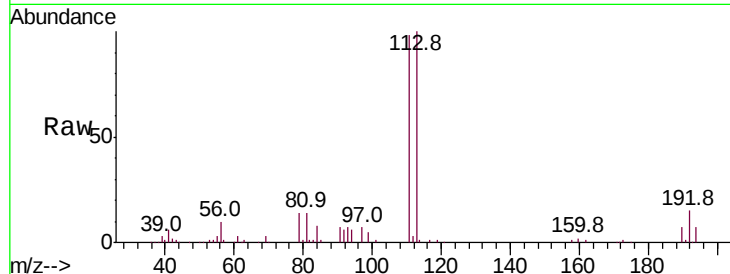
Tot Ion:113 Resp: 364728

Ion Ratio Lower Upper

113 100

111 98.4 79.3 118.9

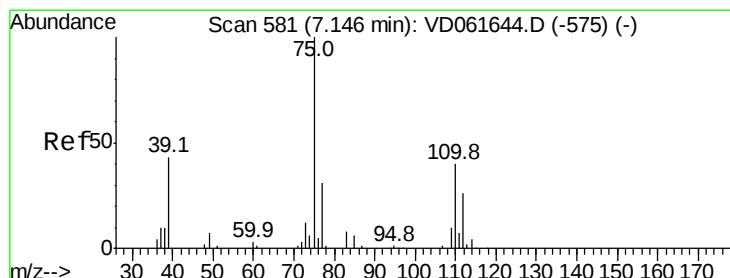
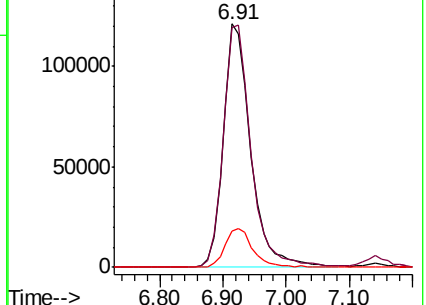
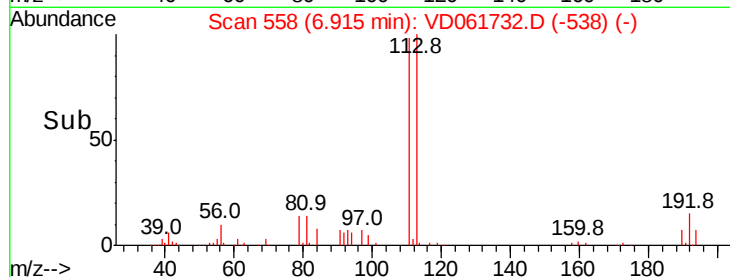
192 14.8 12.3 18.5



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: 21.151 ug/l

RT: 7.14 min Scan# 581

Delta R.T. -0.00 min

Lab File: VD061732.D

Acq: 11 Apr 2019 10:29

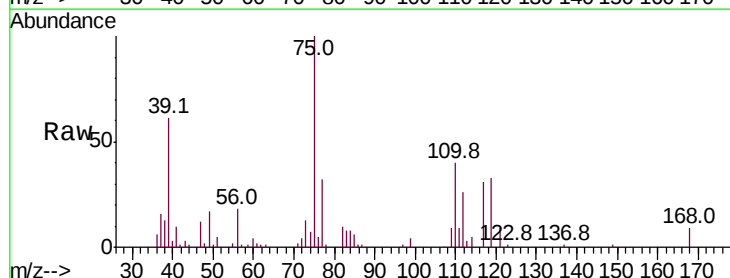
Tgt Ion: 75 Resp: 195100

Ion Ratio Lower Upper

75 100

110 39.5 19.7 59.0

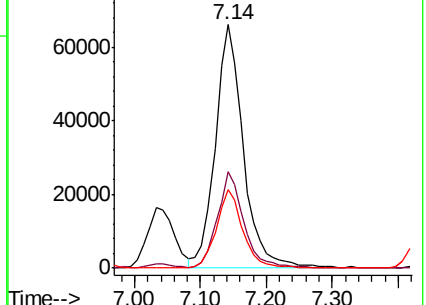
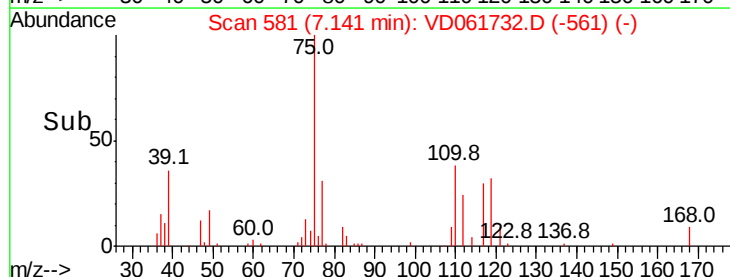
77 32.5 24.8 37.2

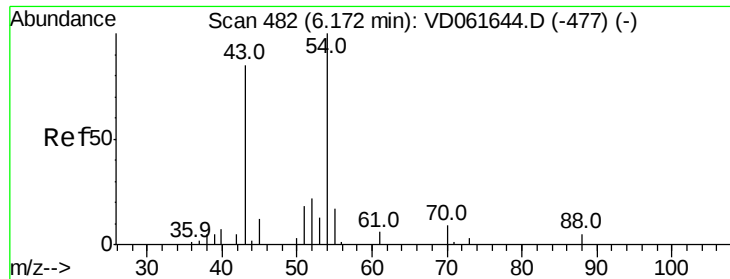


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

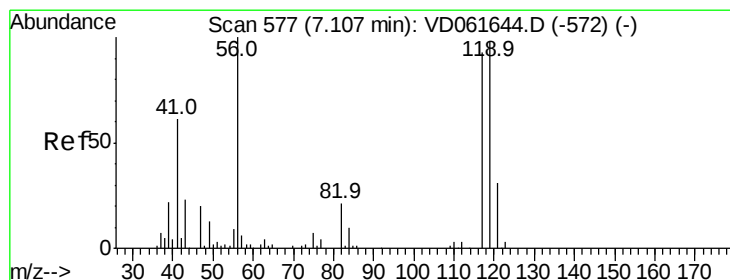
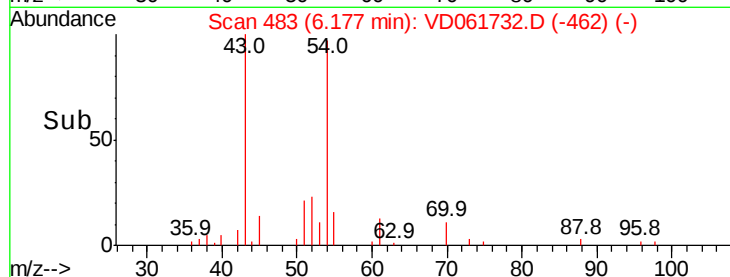
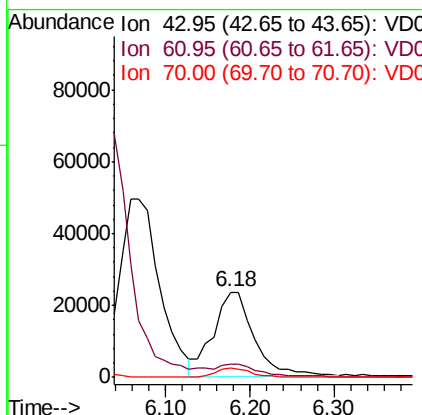
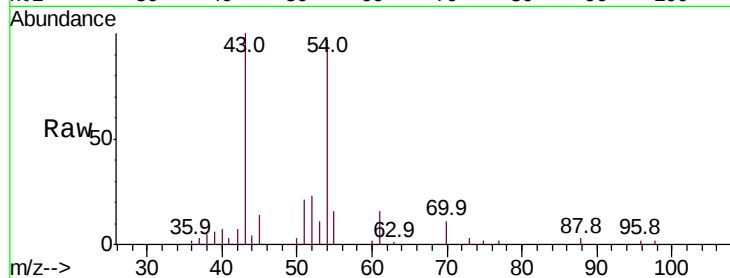




#37
Ethyl Acetate
Concen: 20.772 ug/l
RT: 6.18 min Scan# 483
Delta R.T. 0.01 min
Lab File: VD061732.D
Acq: 11 Apr 2019 10:29

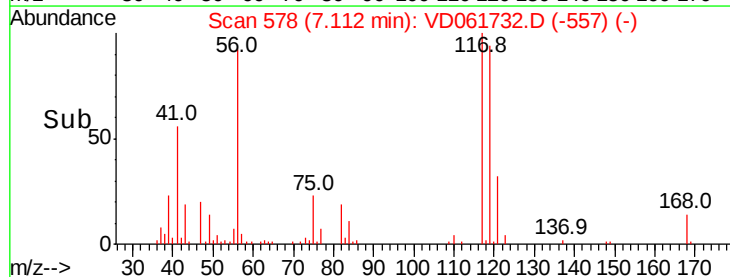
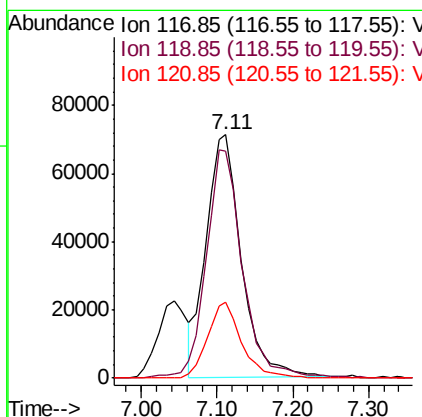
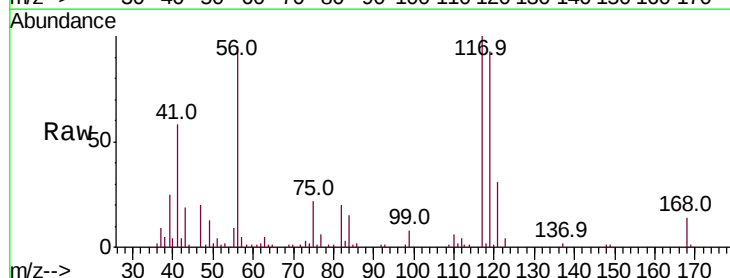
Instrument :
MSVOA_D
ClientSampleId :
VD0410SBS02

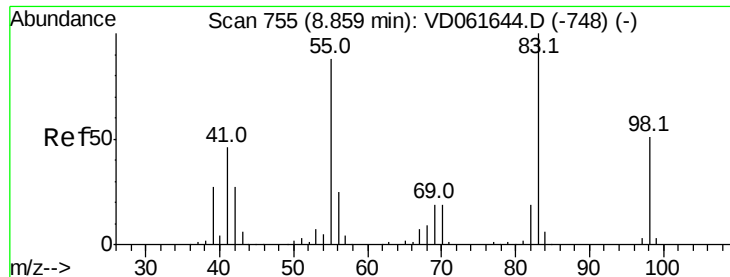
Tot Ion: 43 Resp: 78041
Ion Ratio Lower Upper
43 100
61 16.0 11.9 17.9
70 10.8 6.9 10.3#



#38
Carbon Tetrachloride
Concen: 21.418 ug/l
RT: 7.11 min Scan# 578
Delta R.T. 0.01 min
Lab File: VD061732.D
Acq: 11 Apr 2019 10:29

Tgt Ion: 117 Resp: 231544
Ion Ratio Lower Upper
117 100
119 93.4 77.9 116.9
121 31.4 24.7 37.1

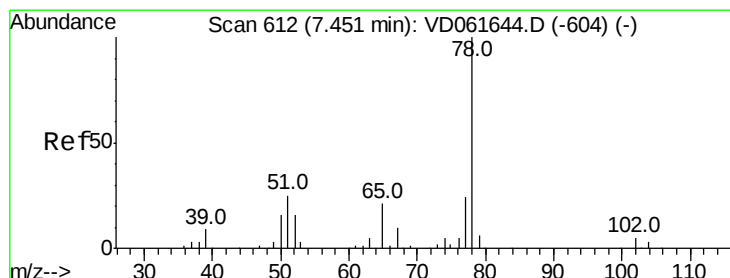
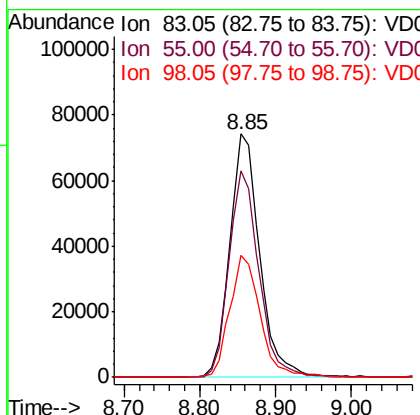
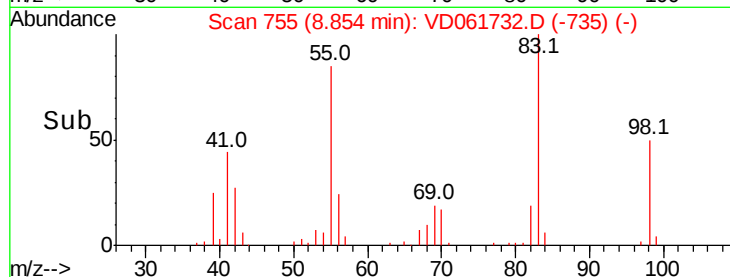
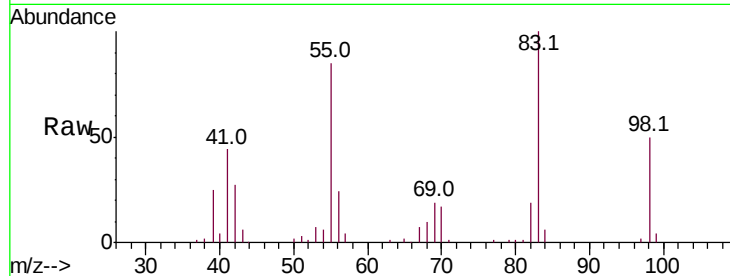




#39
Methvlcvclohexane
Concen: 21.376 ug/l
RT: 8.85 min Scan# 755
Delta R.T. -0.00 min
Lab File: VD061732.D
Acq: 11 Apr 2019 10:29

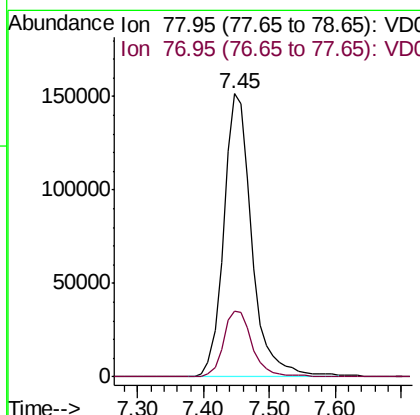
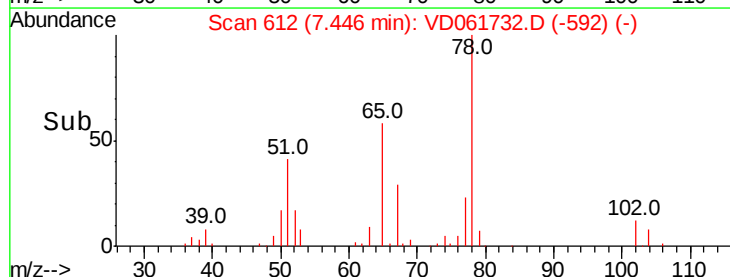
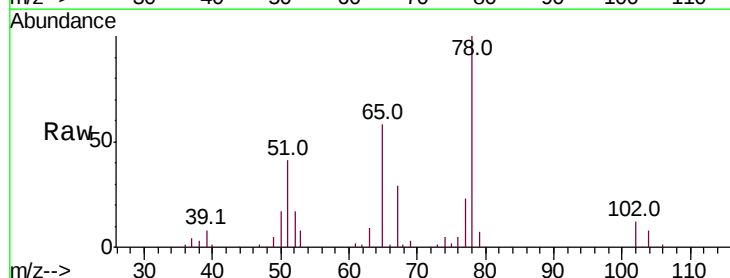
Instrument :
MSVOA_D
ClientSampleId :
VD0410SBS02

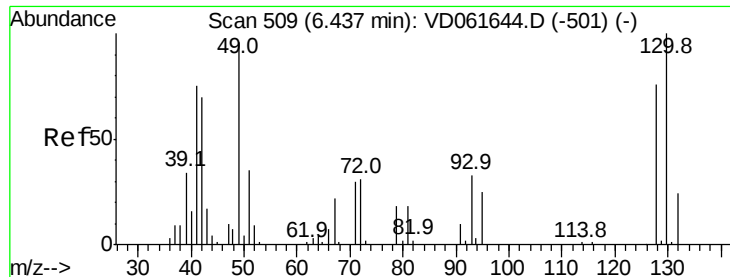
Tot Ion: 83 Resp: 202430
Ion Ratio Lower Upper
83 100
55 84.8 70.3 105.5
98 50.1 41.0 61.6



#40
Benzene
Concen: 20.324 ug/l
RT: 7.45 min Scan# 612
Delta R.T. -0.00 min
Lab File: VD061732.D
Acq: 11 Apr 2019 10:29

Tgt Ion: 78 Resp: 452268
Ion Ratio Lower Upper
78 100
77 23.3 19.5 29.3

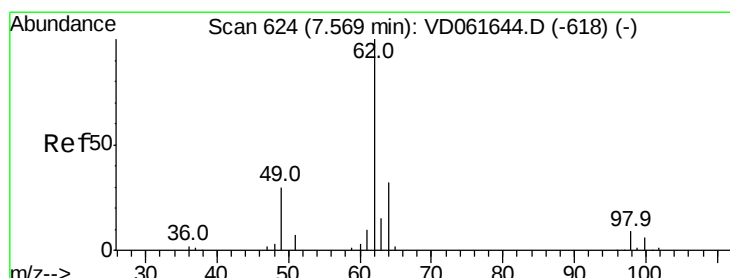
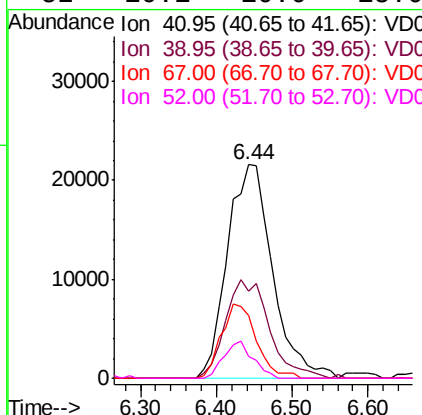
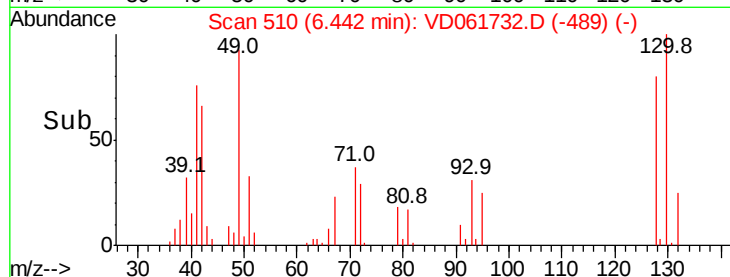
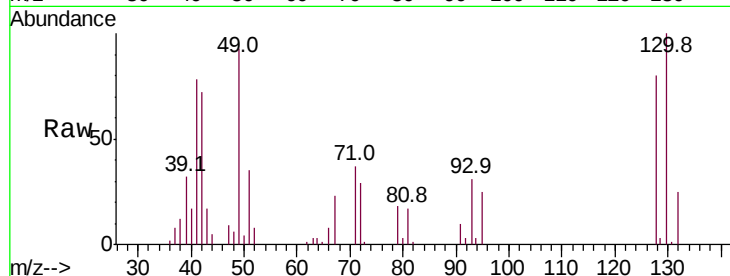




#41
Methacrylonitrile
Concen: 20.369 ug/l
RT: 6.44 min Scan# 510
Delta R.T. 0.01 min
Lab File: VD061732.D
Acq: 11 Apr 2019 10:29

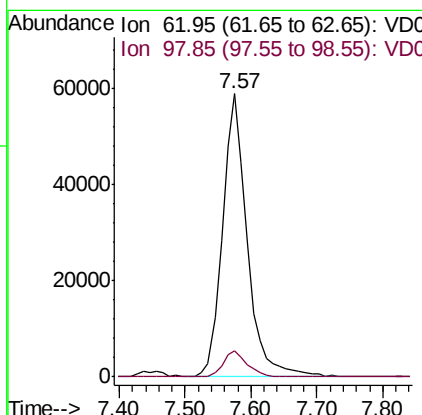
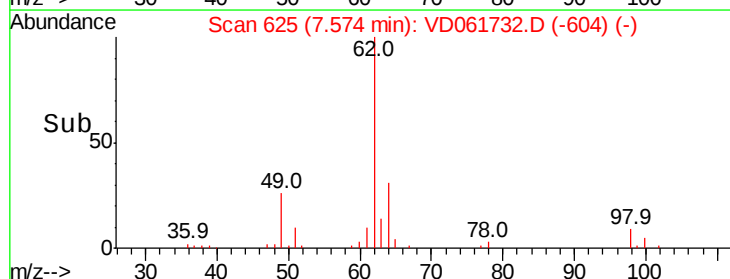
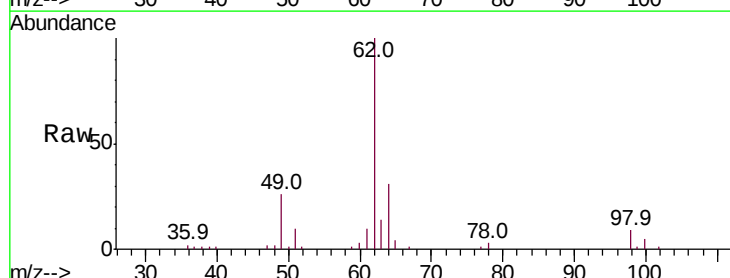
Instrument :
MSVOA_D
ClientSampleId :
VD0410SBS02

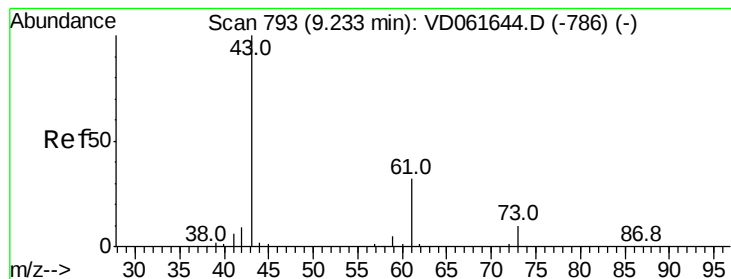
Tot Ion:	41	Resp:	89337
Ion	Ratio	Lower	Upper
41	100		
39	40.9	36.2	54.2
67	29.6	23.2	34.8
52	10.1	10.0	15.0



#42
1,2-Dichloroethane
Concen: 21.996 ug/l
RT: 7.57 min Scan# 625
Delta R.T. 0.01 min
Lab File: VD061732.D
Acq: 11 Apr 2019 10:29

Tgt Ion:	62	Resp:	153935
Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	17.8





#43

Isopropyl Acetate

Concen: 19.927 ug/l

RT: 9.23 min Scan# 793

Delta R.T. -0.00 min

Lab File: VD061732.D

Acq: 11 Apr 2019 10:29

Instrument :

MSVOA_D

ClientSampleId :

VD0410SBS02

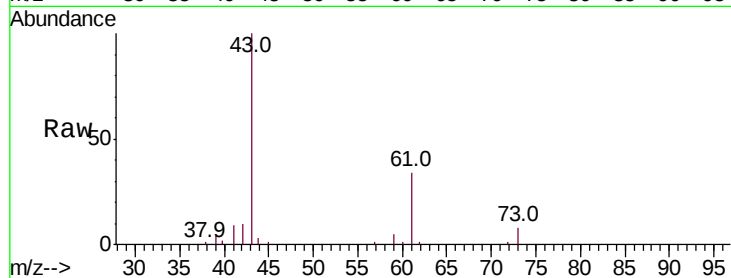
Tot Ion: 43 Resp: 108658

Ion Ratio Lower Upper

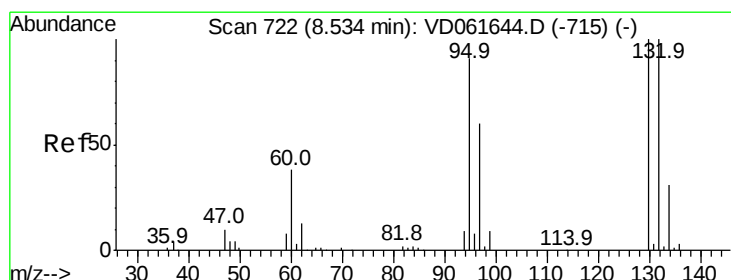
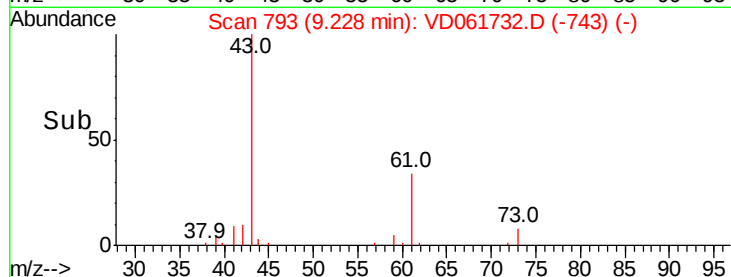
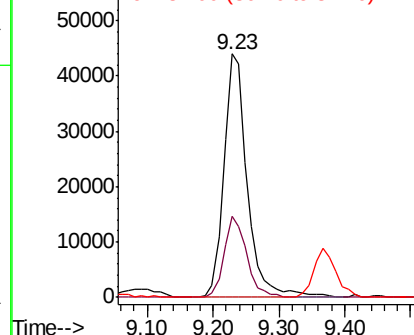
43 100

61 33.5 25.9 38.9

87 0.0 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: 21.334 ug/l

RT: 8.54 min Scan# 723

Delta R.T. 0.01 min

Lab File: VD061732.D

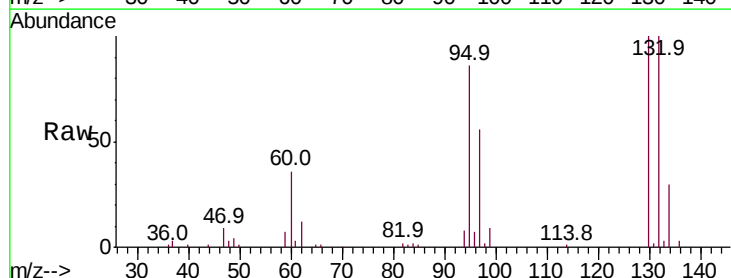
Acq: 11 Apr 2019 10:29

Tgt Ion:130 Resp: 182004

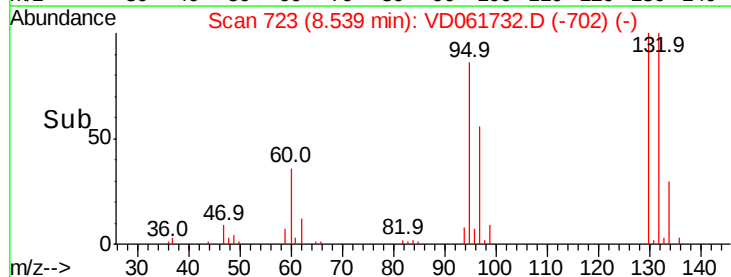
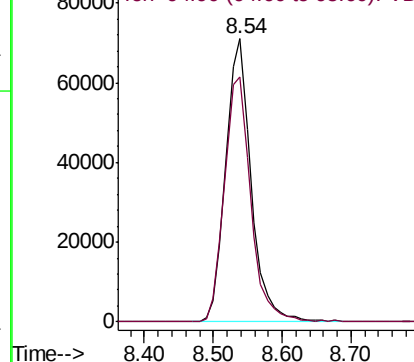
Ion Ratio Lower Upper

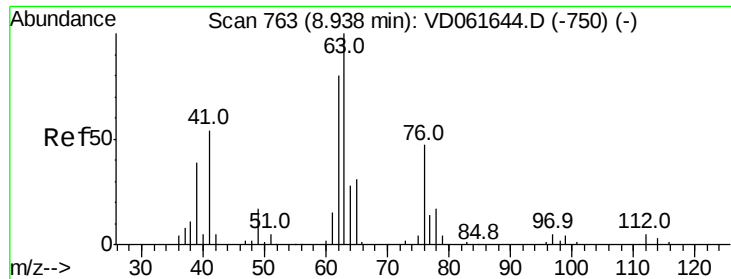
130 100

95 86.5 0.0 181.8



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





#45

1,2-Dichloropropane

Concen: 20.223 ug/l

RT: 8.93 min Scan# 763

Delta R.T. -0.00 min

Lab File: VD061732.D

Acq: 11 Apr 2019 10:29

Instrument :

MSVOA_D

ClientSampleId :

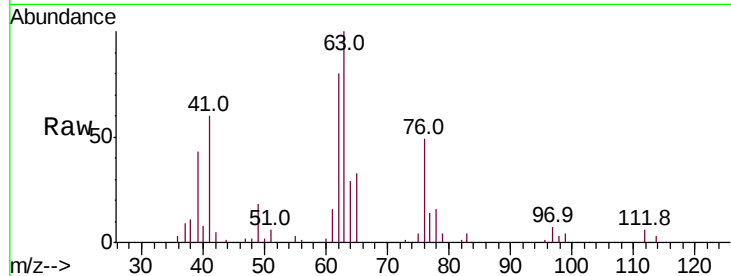
VD0410SBS02

Tot Ion: 63 Resp: 111602

Ion Ratio Lower Upper

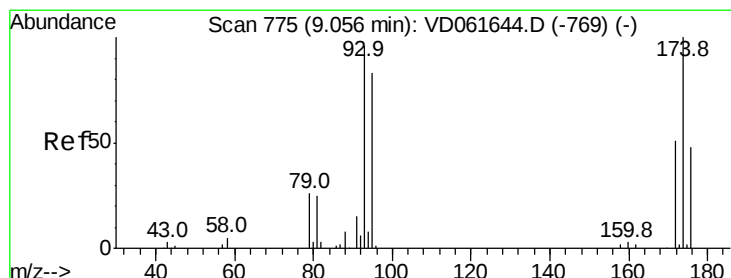
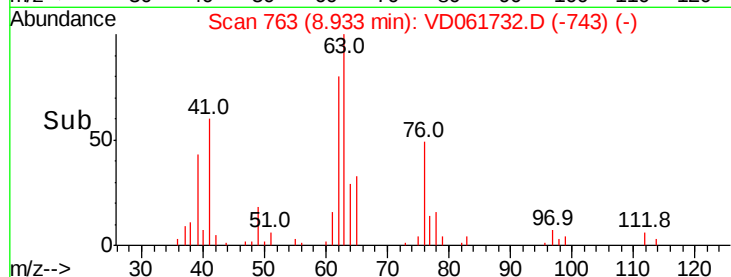
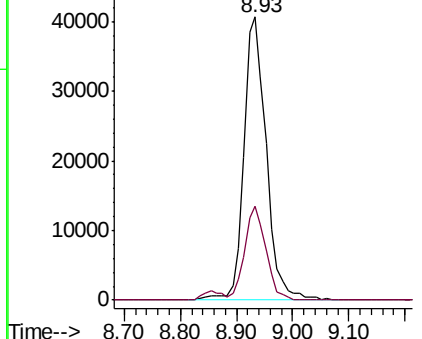
63 100

65 33.1 24.5 36.7



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 20.104 ug/l

RT: 9.05 min Scan# 775

Delta R.T. -0.00 min

Lab File: VD061732.D

Acq: 11 Apr 2019 10:29

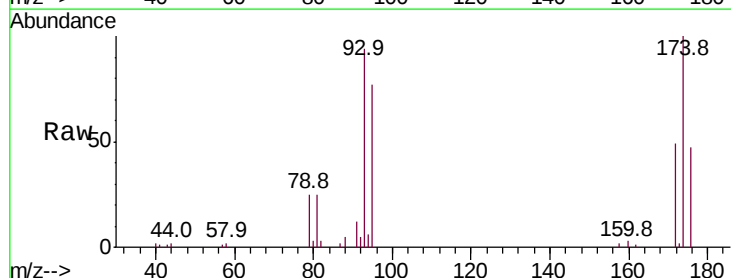
Tgt Ion: 93 Resp: 79294

Ion Ratio Lower Upper

93 100

95 81.8 68.6 103.0

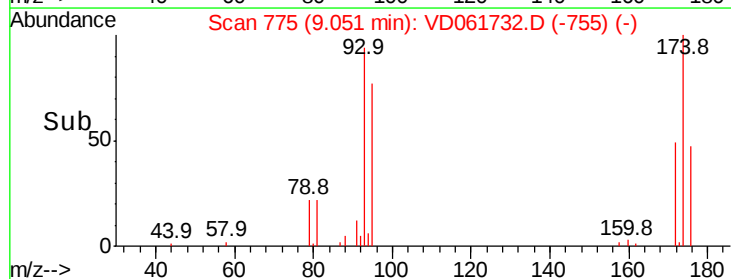
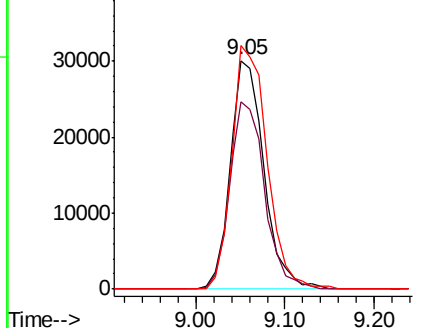
174 106.6 83.0 124.4

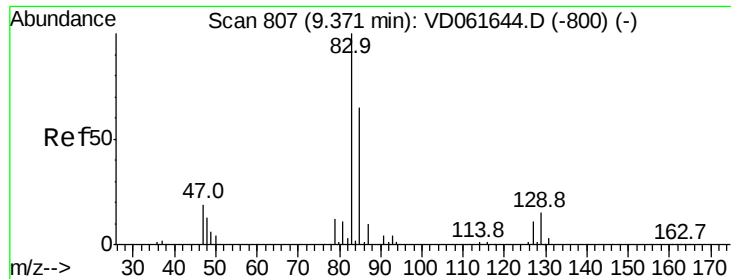


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 22.230 ug/l

RT: 9.37 min Scan# 807

Delta R.T. -0.00 min

Lab File: VD061732.D

Acq: 11 Apr 2019 10:29

Instrument :

MSVOA_D

ClientSampleId :

VD0410SBS02

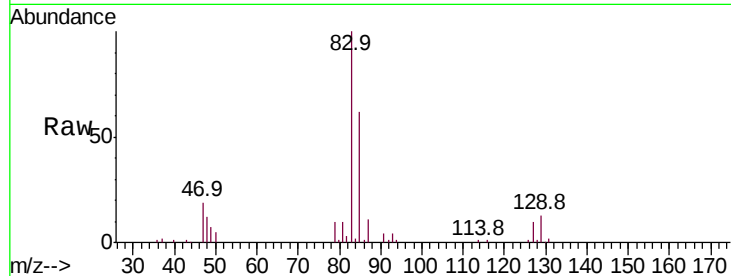
Tot Ion: 83 Resp: 192571

Ion Ratio Lower Upper

83 100

85 61.5 51.8 77.6

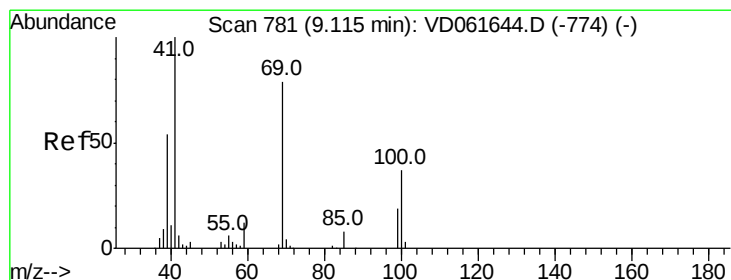
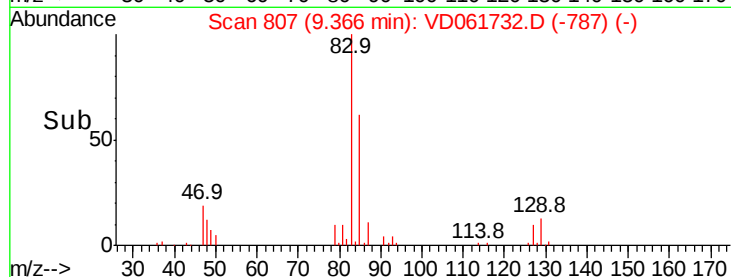
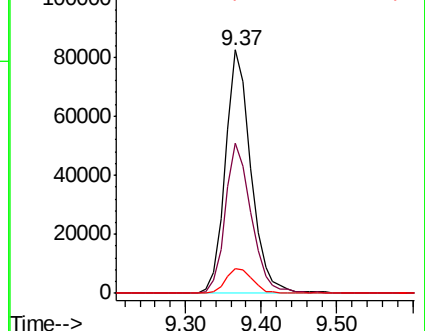
127 10.4 9.0 13.6



Abundance Ion 82.85 (82.55 to 83.55): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 20.012 ug/l

RT: 9.11 min Scan# 781

Delta R.T. -0.00 min

Lab File: VD061732.D

Acq: 11 Apr 2019 10:29

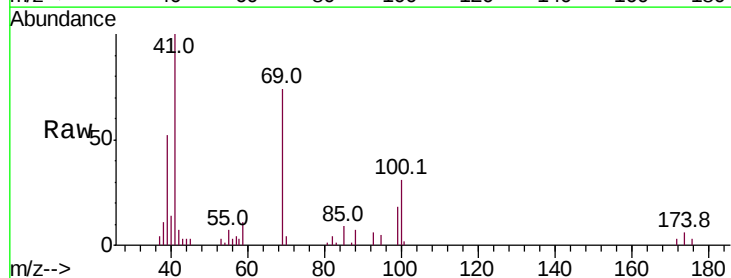
Tgt Ion: 41 Resp: 62901

Ion Ratio Lower Upper

41 100

69 74.0 63.1 94.7

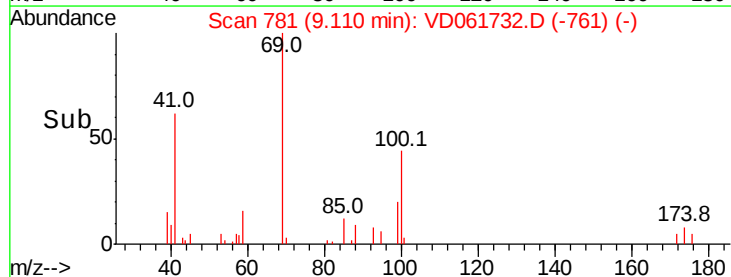
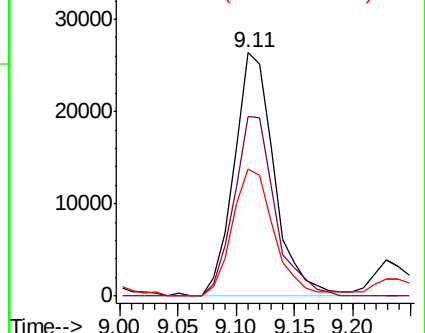
39 52.3 43.8 65.8

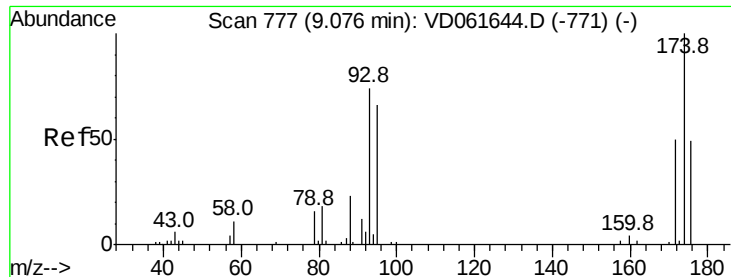


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC

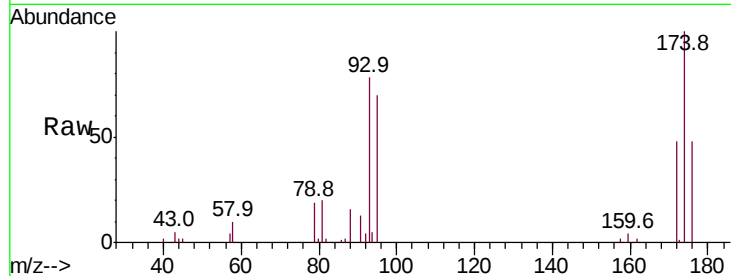




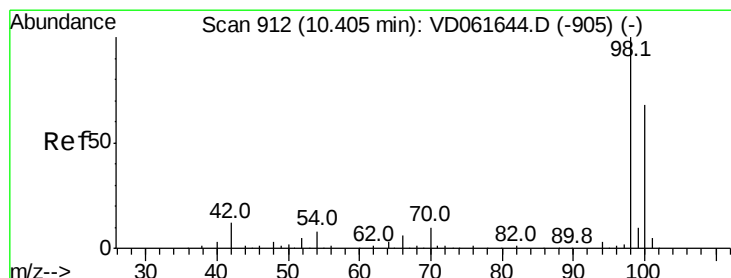
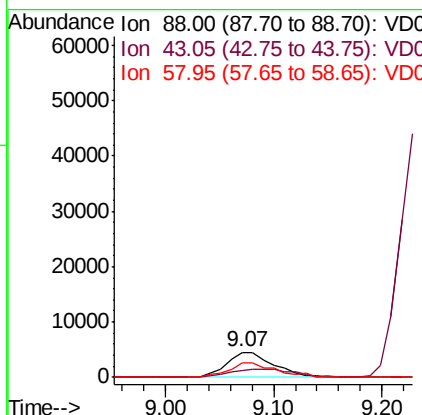
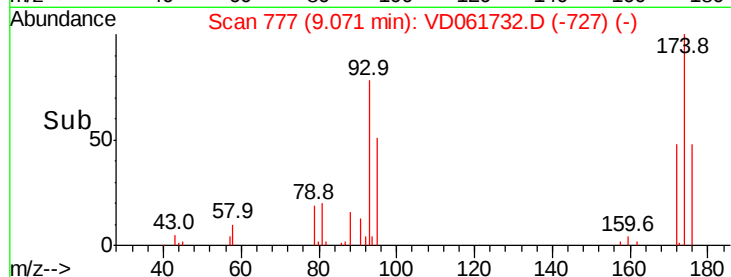
#49
 1,4-Dioxane
 Concen: 394.829 ug/l
 RT: 9.07 min Scan# 777
 Delta R.T. -0.00 min
 Lab File: VD061732.D
 Acq: 11 Apr 2019 10:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0410SBS02

Tot Ion: 88 Resp: 13698
 Ion Ratio Lower Upper
 88 100
 43 28.8 21.8 32.8
 58 59.1 40.2 60.2

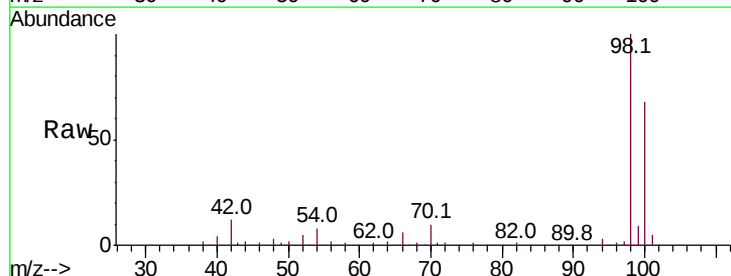


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

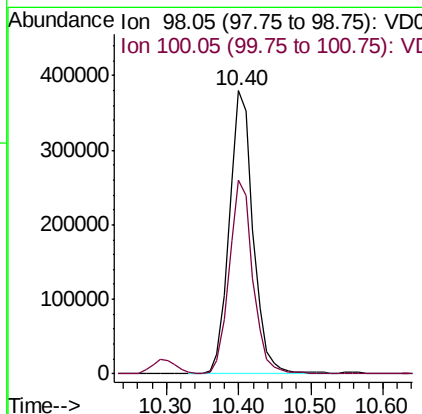
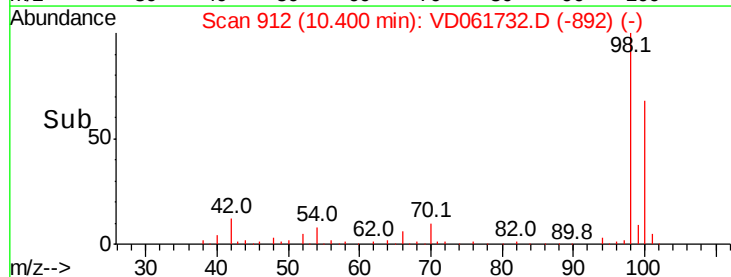


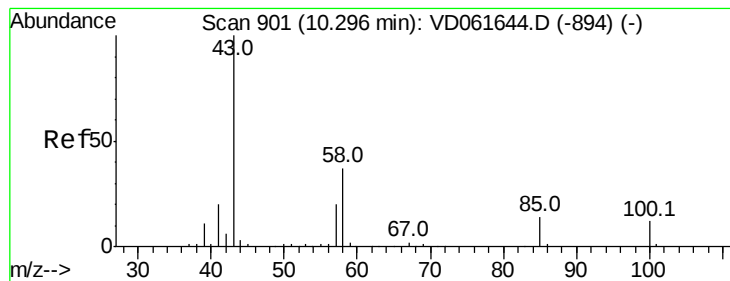
#50
 Toluene-d8
 Concen: 394.829 ug/l
 RT: 10.40 min Scan# 912
 Delta R.T. -0.00 min
 Lab File: VD061732.D
 Acq: 11 Apr 2019 10:29

Tgt Ion: 98 Resp: 871916
 Ion Ratio Lower Upper
 98 100
 100 68.5 55.4 83.0



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: 109.583 ug/l

RT: 10.29 min Scan# 901

Delta R.T. -0.00 min

Lab File: VD061732.D

Acq: 11 Apr 2019 10:29

Instrument :

MSVOA_D

ClientSampleId :

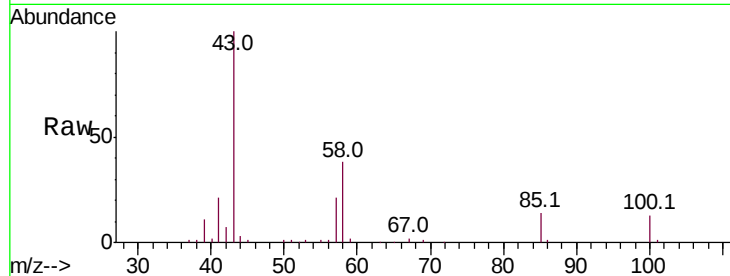
VD0410SBS02

Tot Ion: 43 Resp: 353372

Ion Ratio Lower Upper

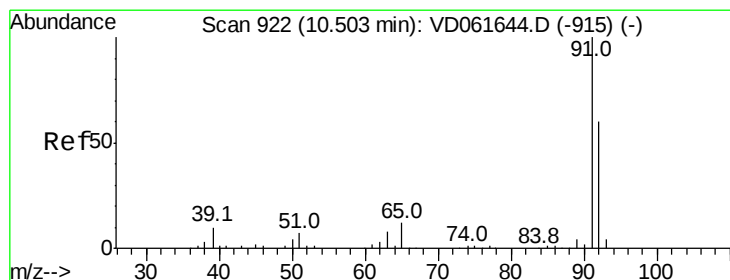
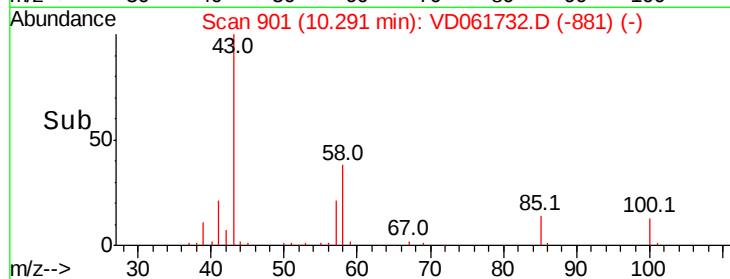
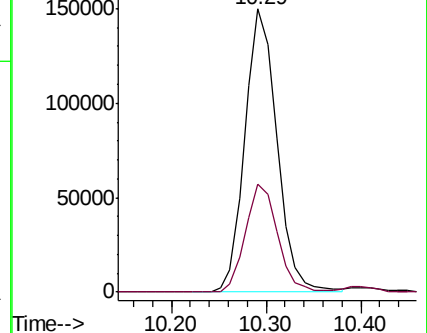
43 100

58 38.3 29.8 44.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 20.291 ug/l

RT: 10.50 min Scan# 922

Delta R.T. -0.00 min

Lab File: VD061732.D

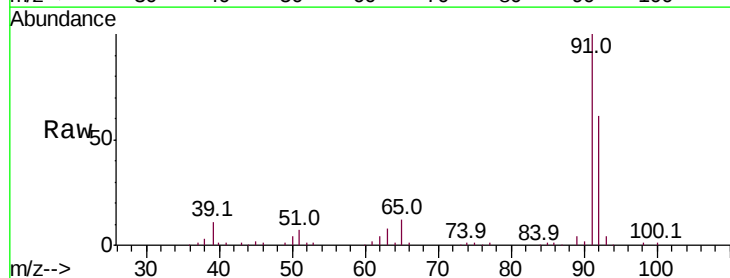
Acq: 11 Apr 2019 10:29

Tgt Ion: 92 Resp: 281963

Ion Ratio Lower Upper

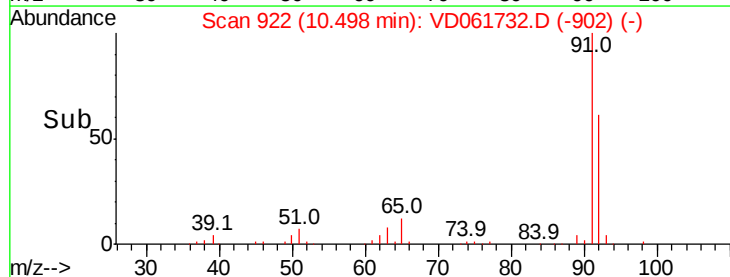
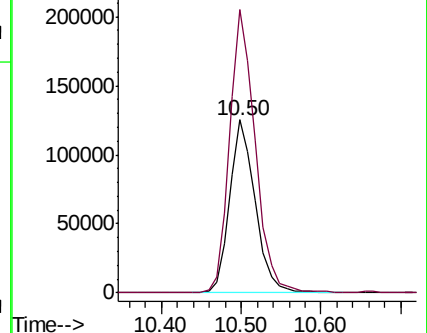
92 100

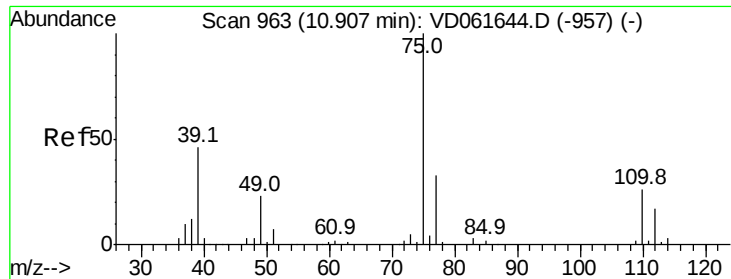
91 163.7 133.0 199.4



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

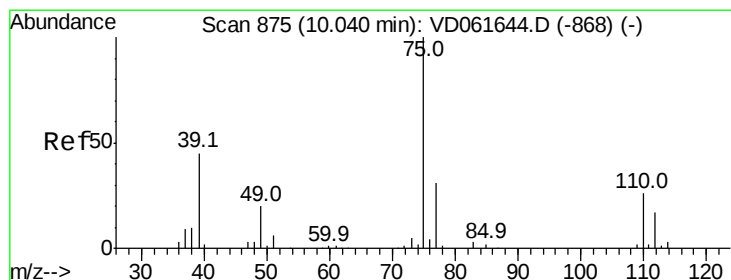
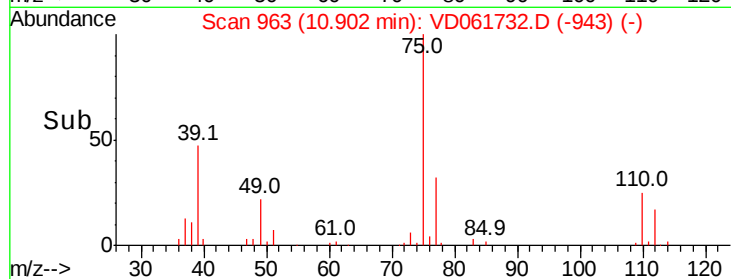
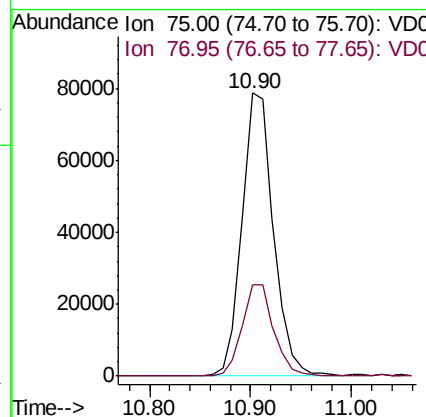
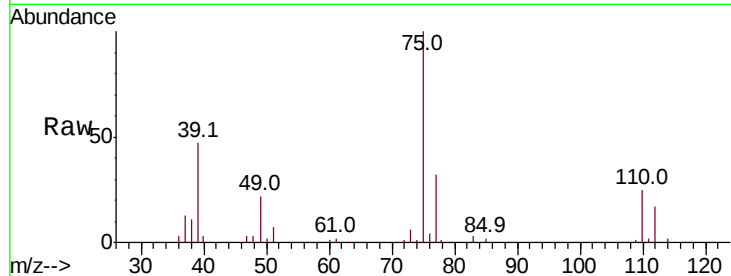




#53
 t-1,3-Dichloropropene
 Concen: 22.496 ug/l
 RT: 10.90 min Scan# 963
 Delta R.T. -0.00 min
 Lab File: VD061732.D
 Acq: 11 Apr 2019 10:29

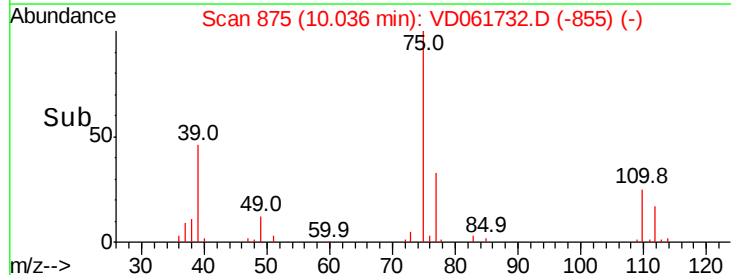
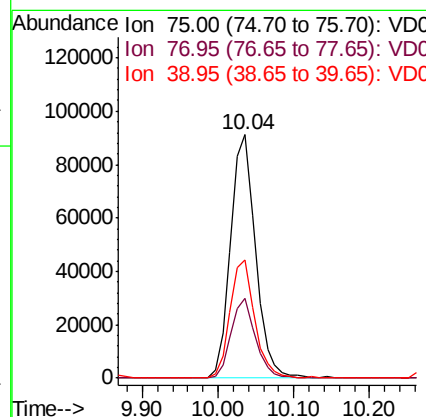
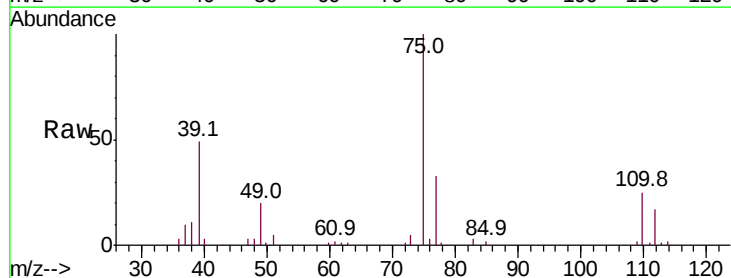
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0410SBS02

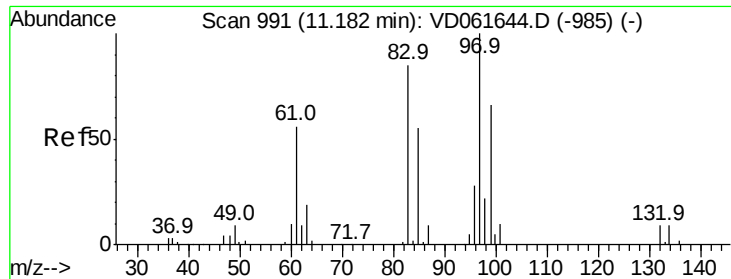
Tot Ion: 75 Resp: 170822
 Ion Ratio Lower Upper
 75 100
 77 32.1 26.2 39.2



#54
 cis-1,3-Dichloropropene
 Concen: 22.278 ug/l
 RT: 10.04 min Scan# 875
 Delta R.T. -0.00 min
 Lab File: VD061732.D
 Acq: 11 Apr 2019 10:29

Tgt Ion: 75 Resp: 208531
 Ion Ratio Lower Upper
 75 100
 77 32.6 24.6 37.0
 39 48.6 36.2 54.2

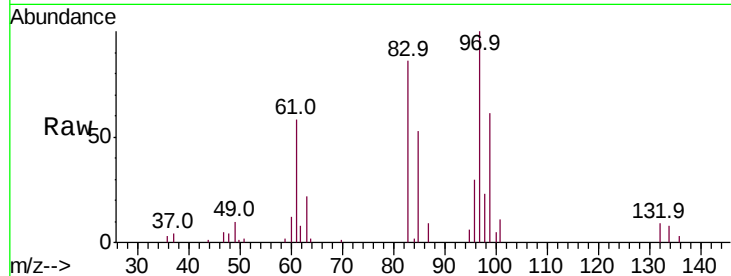




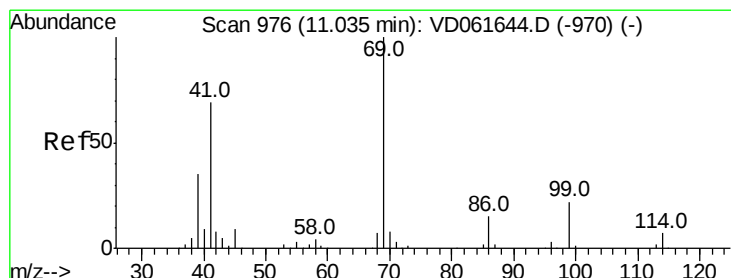
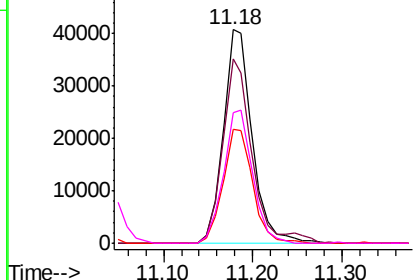
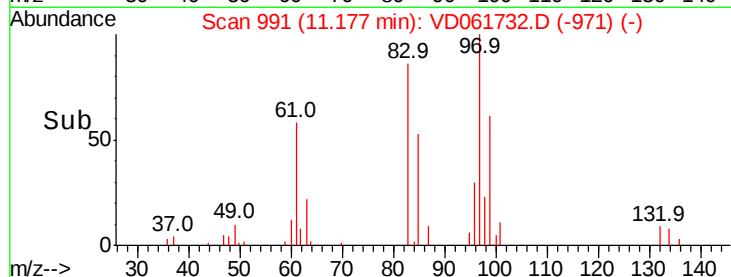
#55
 1,1,2-Trichloroethane
 Concen: 19.718 ug/l
 RT: 11.18 min Scan# 991
 Delta R.T. -0.00 min
 Lab File: VD061732.D
 Acq: 11 Apr 2019 10:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0410SBS02

Tot Ion: 97 Resp: 92411
 Ion Ratio Lower Upper
 97 100
 83 86.2 67.8 101.6
 85 53.4 43.8 65.8
 99 61.1 52.8 79.2

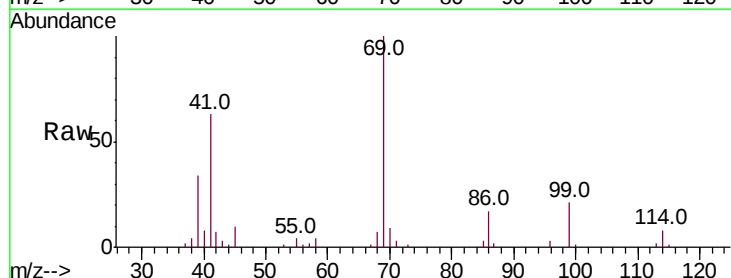


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

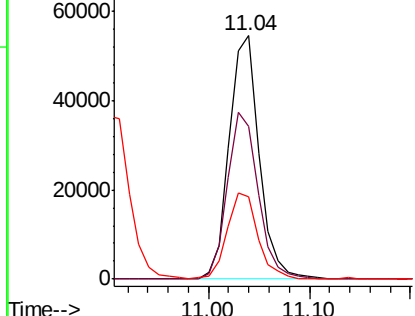
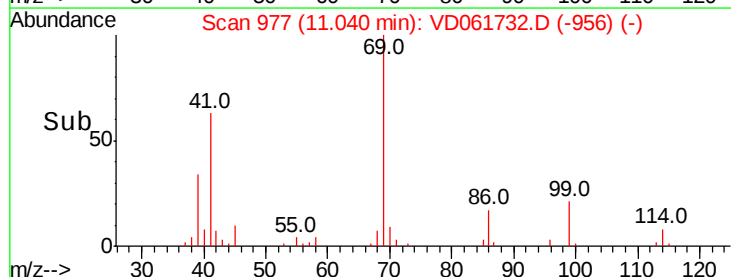


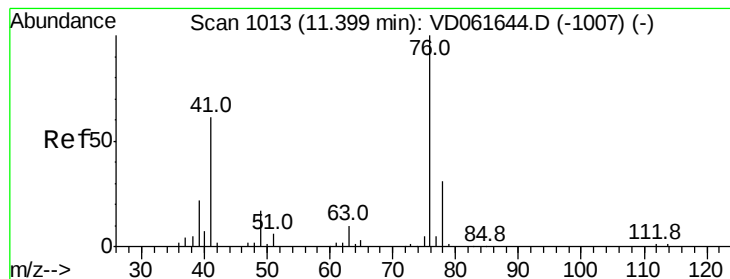
#56
 Ethyl methacrylate
 Concen: 22.748 ug/l
 RT: 11.04 min Scan# 977
 Delta R.T. 0.01 min
 Lab File: VD061732.D
 Acq: 11 Apr 2019 10:29

Tgt Ion: 69 Resp: 112466
 Ion Ratio Lower Upper
 69 100
 41 62.7 55.2 82.8
 39 34.1 28.6 43.0



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





#57

1,3-Dichloropropane

Concen: 22.614 ug/l

RT: 11.40 min Scan# 1014

Delta R.T. 0.01 min

Lab File: VD061732.D

Acq: 11 Apr 2019 10:29

Instrument :

MSVOA_D

ClientSampleId :

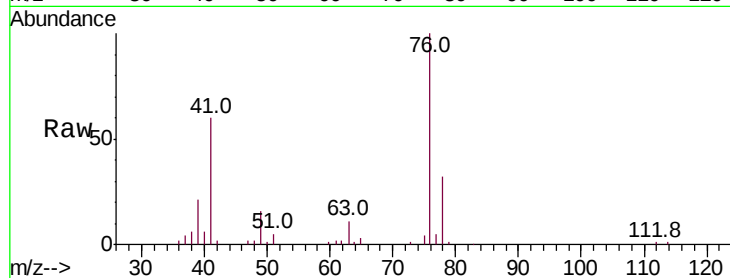
VD0410SBS02

Tot Ion: 76 Resp: 155205

Ion Ratio Lower Upper

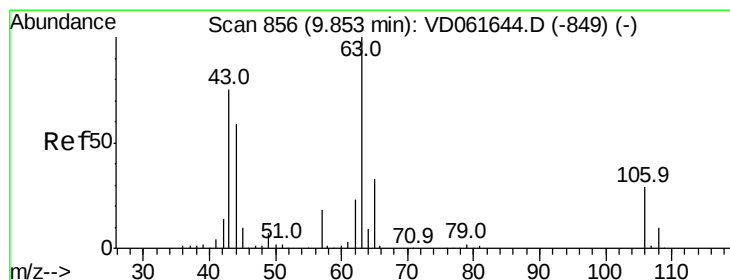
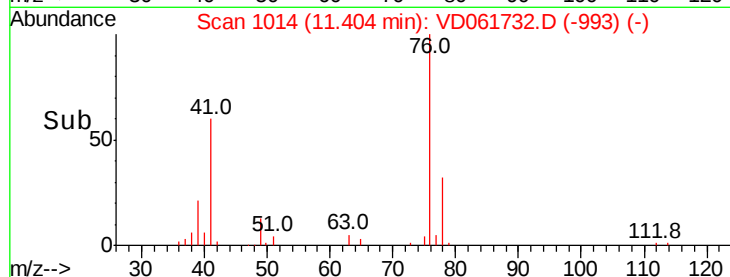
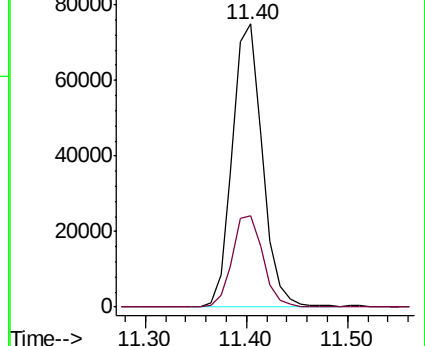
76 100

78 32.3 24.5 36.7



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 117.278 ug/l

RT: 9.85 min Scan# 856

Delta R.T. -0.00 min

Lab File: VD061732.D

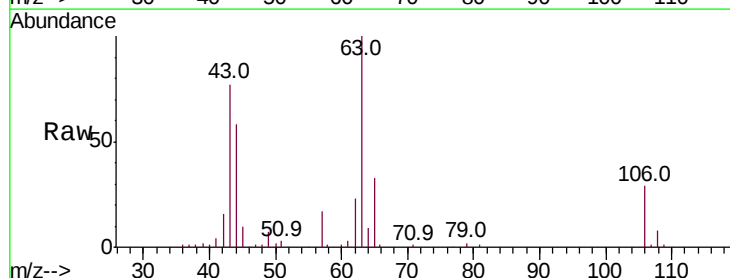
Acq: 11 Apr 2019 10:29

Tgt Ion: 63 Resp: 273590

Ion Ratio Lower Upper

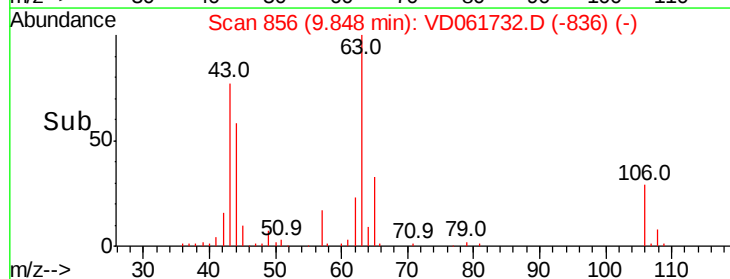
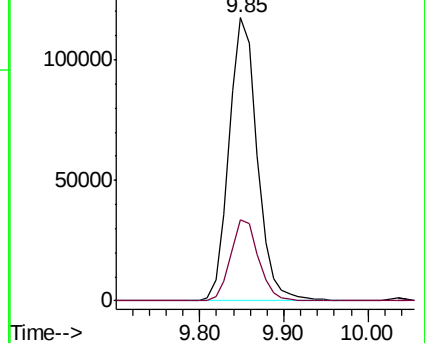
63 100

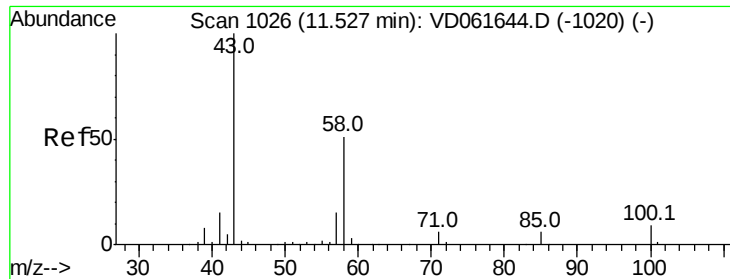
106 28.5 23.0 34.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

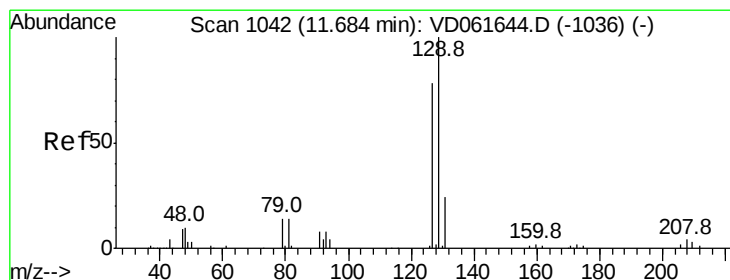
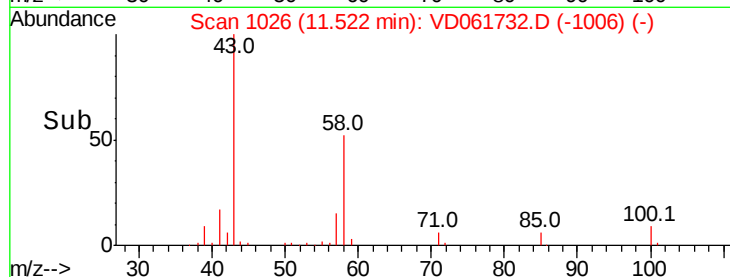
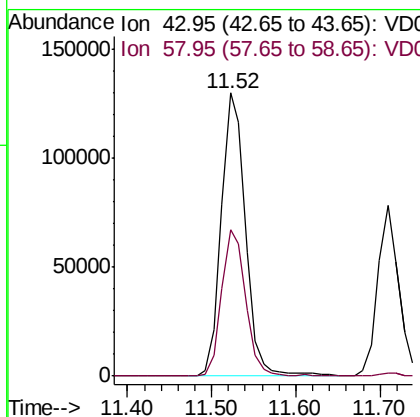
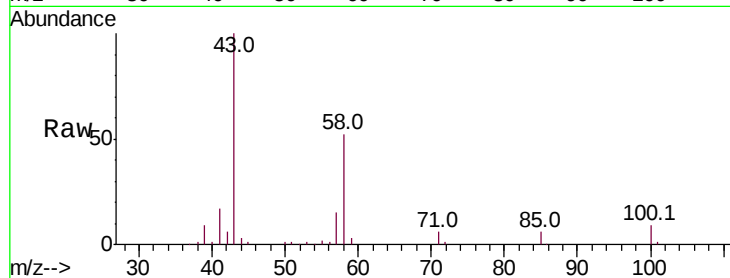




#59
2-Hexanone
Concen: 103.618 ug/l
RT: 11.52 min Scan# 1026
Delta R.T. -0.00 min
Lab File: VD061732.D
Acq: 11 Apr 2019 10:29

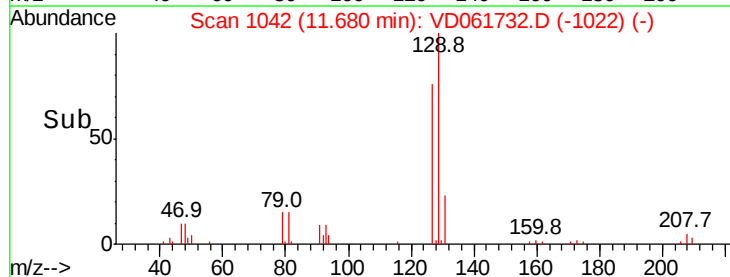
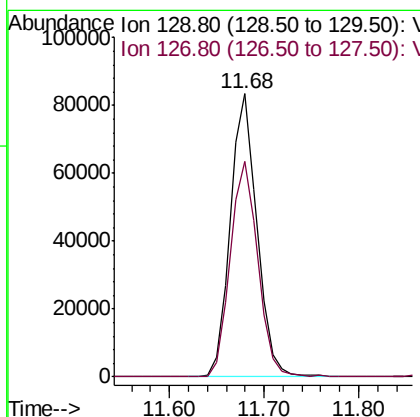
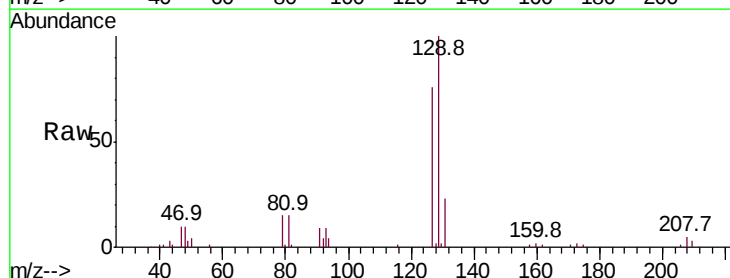
Instrument :
MSVOA_D
ClientSampleId :
VD0410SBS02

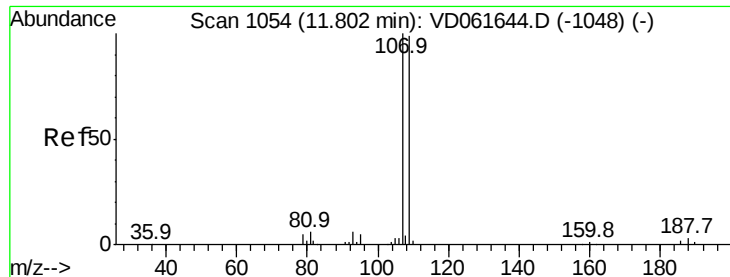
Tot Ion: 43 Resp: 259317
Ion Ratio Lower Upper
43 100
58 51.6 25.6 76.8



#60
Dibromochloromethane
Concen: 21.935 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VD061732.D
Acq: 11 Apr 2019 10:29

Tgt Ion:129 Resp: 162419
Ion Ratio Lower Upper
129 100
127 76.2 38.8 116.4





#61

1,2-Dibromoethane

Concen: 22.432 ug/l

RT: 11.80 min Scan# 1054

Delta R.T. -0.00 min

Lab File: VD061732.D

Acq: 11 Apr 2019 10:29

Instrument :

MSVOA_D

ClientSampleId :

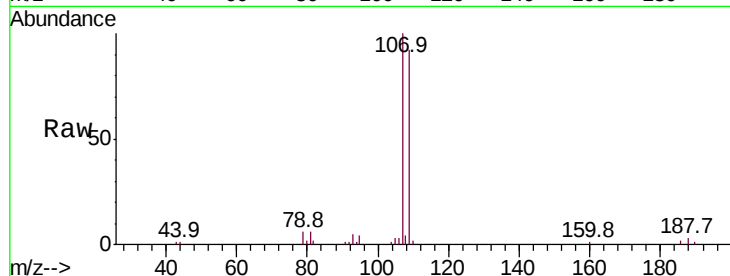
VD0410SBS02

Tot Ion:107 Resp: 122948

Ion Ratio Lower Upper

107 100

109 92.5 79.2 118.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

11.80

80000

60000

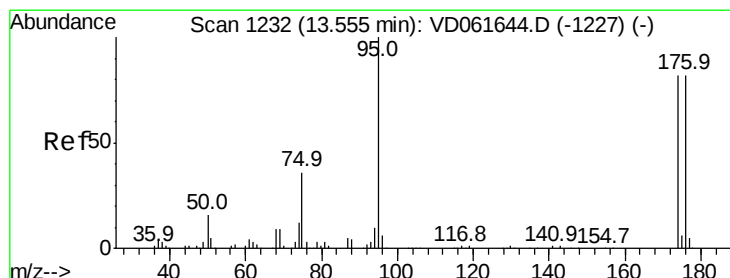
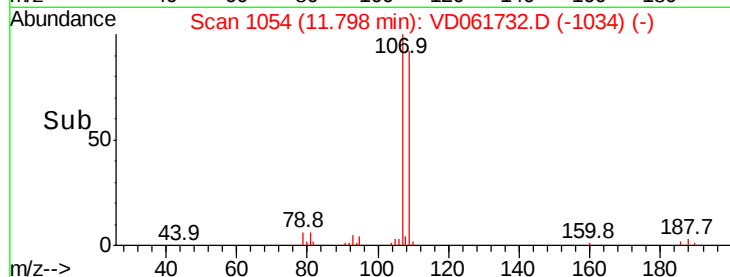
40000

20000

0

Time-->

11.70 11.80 11.90



#62

4-Bromofluorobenzene

Concen: 22.432 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD061732.D

Acq: 11 Apr 2019 10:29

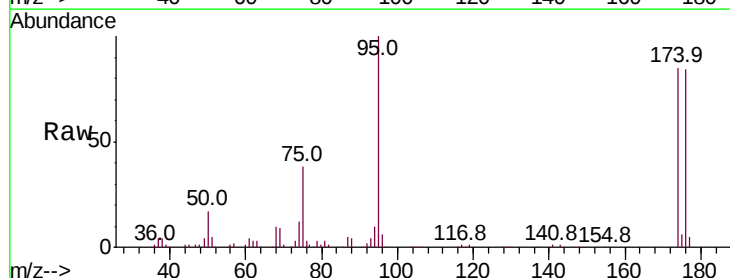
Tgt Ion: 95 Resp: 319455

Ion Ratio Lower Upper

95 100

174 84.9 0.0 164.6

176 84.5 0.0 165.0



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

300000

250000

200000

150000

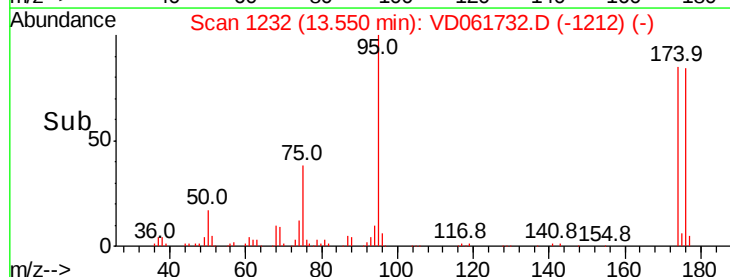
100000

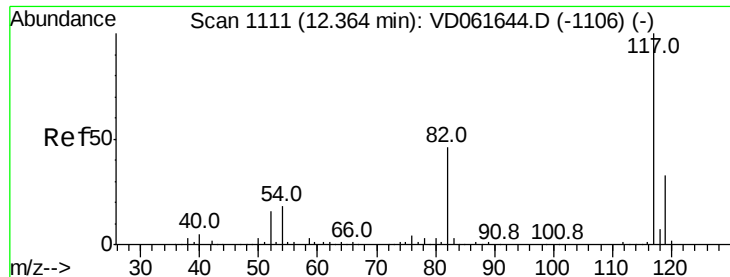
50000

0

Time-->

13.50 13.55 13.60

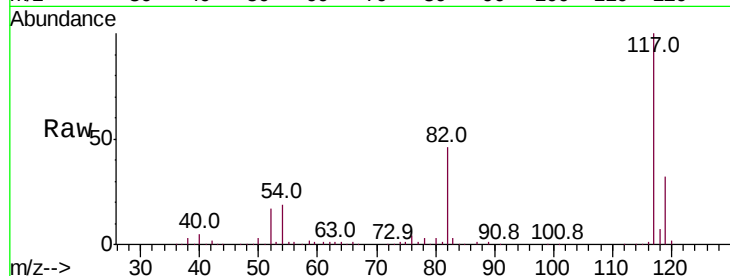




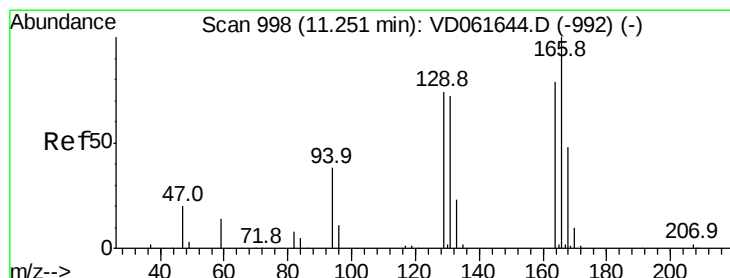
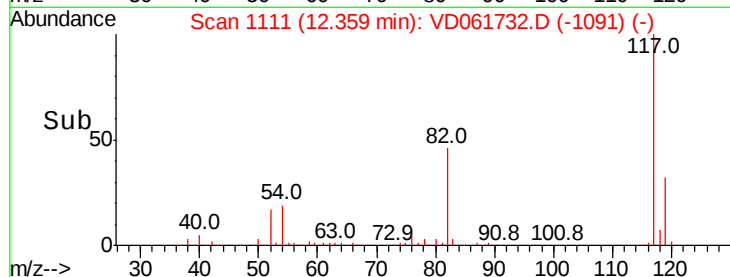
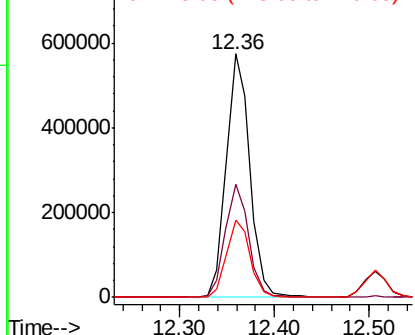
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD061732.D
Acq: 11 Apr 2019 10:29

Instrument :
MSVOA_D
ClientSampleId :
VD0410SBS02

Tot Ion:117 Resp: 984760
Ion Ratio Lower Upper
117 100
82 46.3 36.8 55.2
119 32.0 26.1 39.1

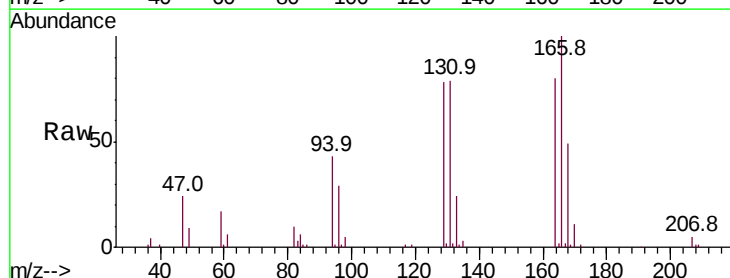


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

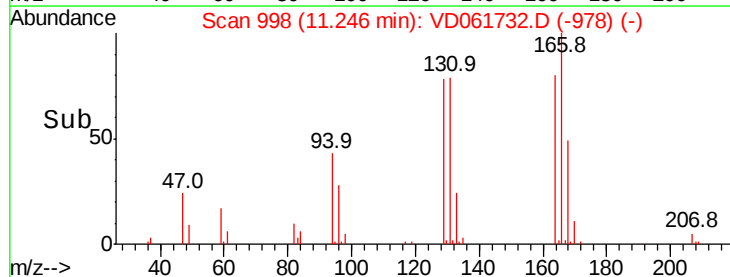
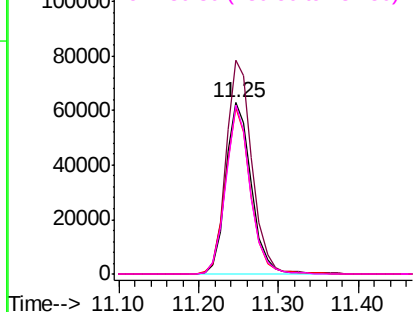


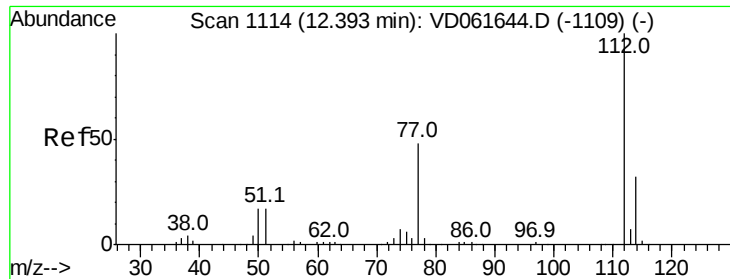
#64
Tetrachloroethene
Concen: 18.567 ug/l
RT: 11.25 min Scan# 998
Delta R.T. -0.00 min
Lab File: VD061732.D
Acq: 11 Apr 2019 10:29

Tgt Ion:164 Resp: 141925
Ion Ratio Lower Upper
164 100
166 124.9 101.8 152.8
129 97.1 75.4 113.0
131 98.5 73.6 110.4



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

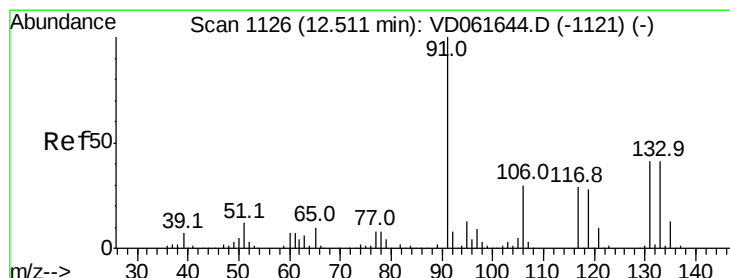
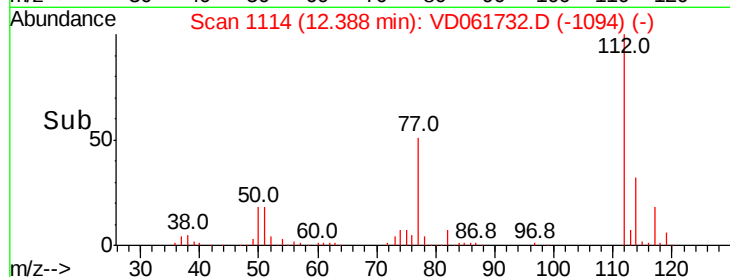
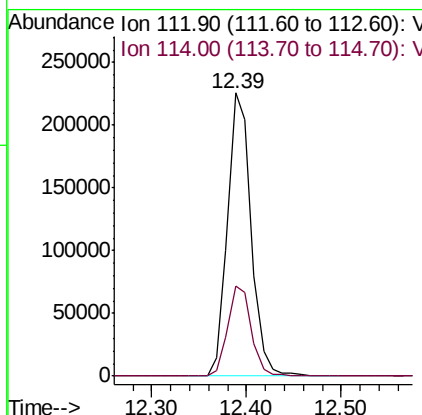
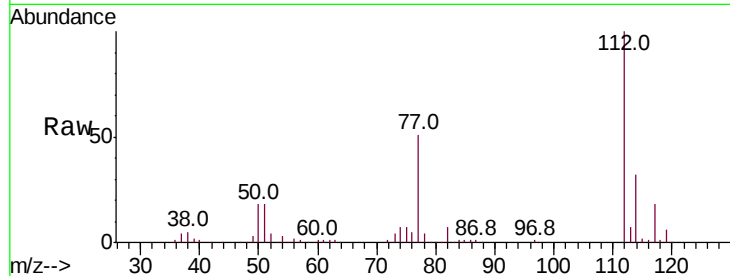




#65
Chlorobenzene
Concen: 19.908 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. -0.00 min
Lab File: VD061732.D
Acq: 11 Apr 2019 10:29

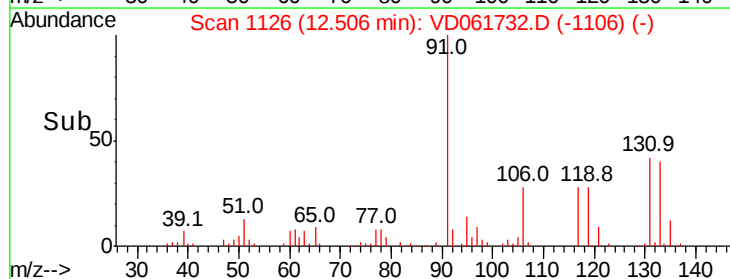
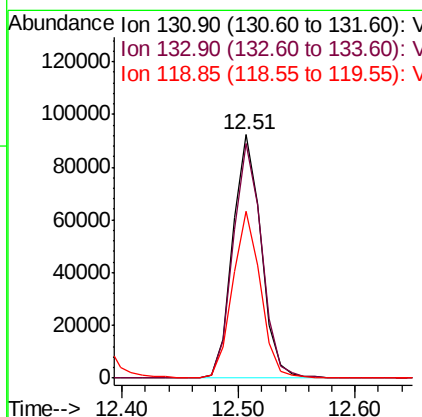
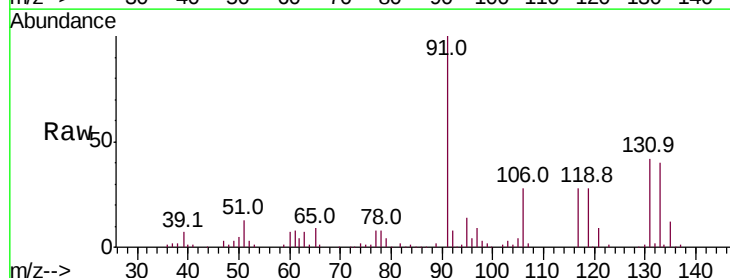
Instrument :
MSVOA_D
ClientSampleId :
VD0410SBS02

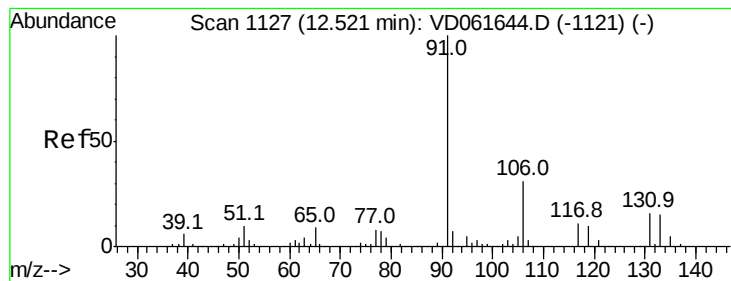
Tot Ion:112 Resp: 388776
Ion Ratio Lower Upper
112 100
114 31.8 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 20.671 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.00 min
Lab File: VD061732.D
Acq: 11 Apr 2019 10:29

Tgt Ion:131 Resp: 155338
Ion Ratio Lower Upper
131 100
133 96.6 49.5 148.3
119 68.3 34.7 104.1





#67

Ethyl Benzene

Concen: 20.843 ug/l

RT: 12.52 min Scan# 1127

Delta R.T. -0.00 min

Lab File: VD061732.D

Acq: 11 Apr 2019 10:29

Instrument :

MSVOA_D

ClientSampleId :

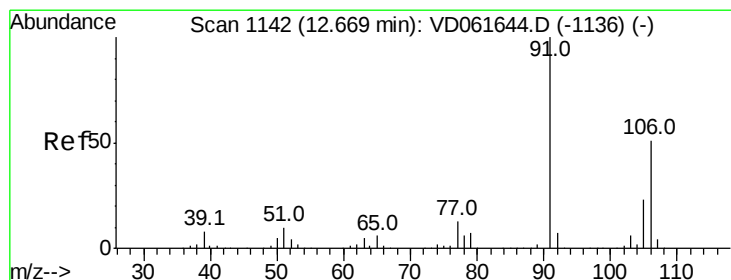
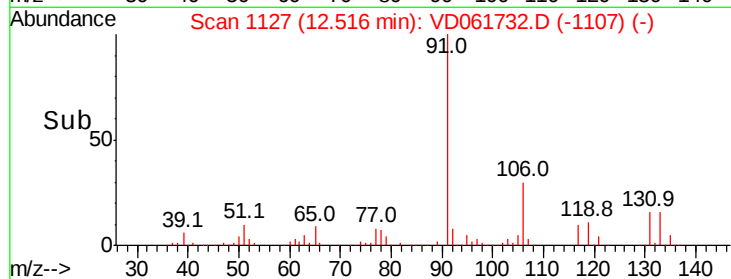
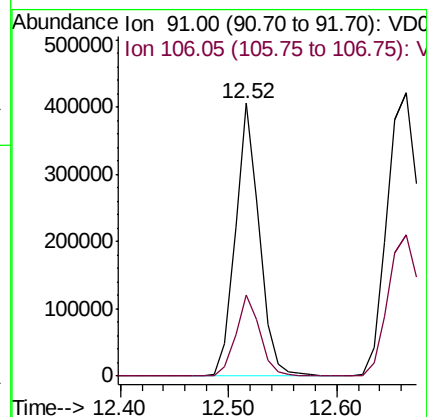
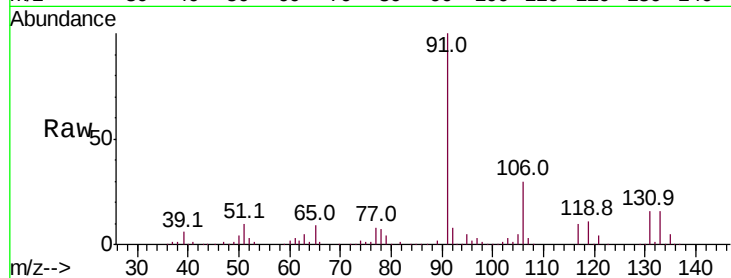
VD0410SBS02

Tot Ion: 91 Resp: 619848

Ion Ratio Lower Upper

91 100

106 29.8 24.6 37.0



#68

m/p-Xylenes

Concen: 37.222 ug/l

RT: 12.66 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VD061732.D

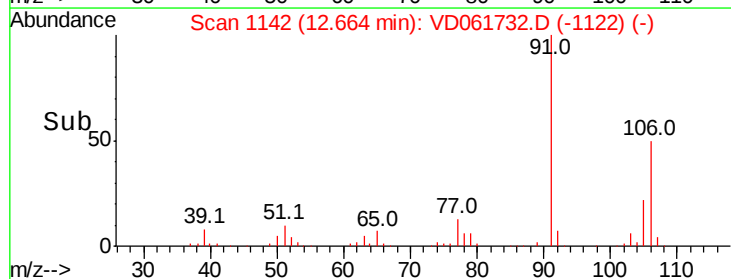
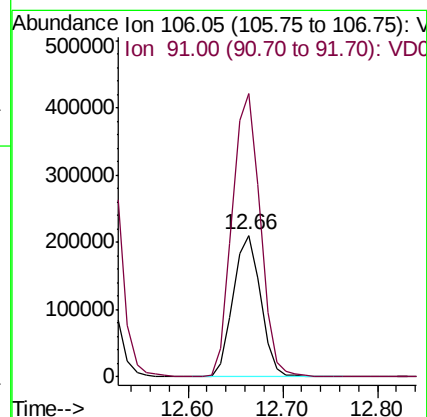
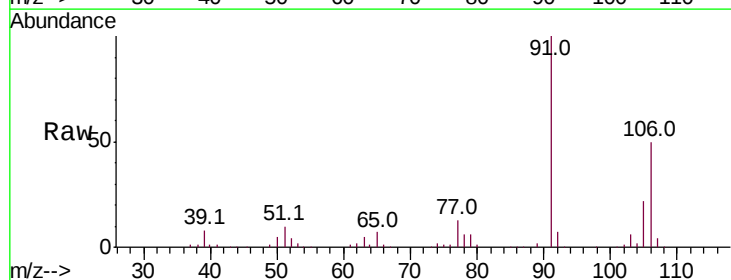
Acq: 11 Apr 2019 10:29

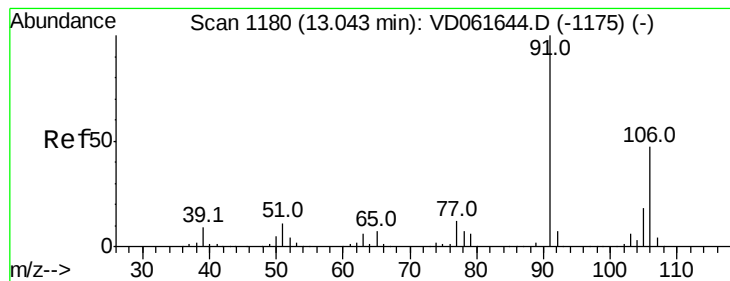
Tgt Ion:106 Resp: 426747

Ion Ratio Lower Upper

106 100

91 200.4 156.7 235.1





#69

o-Xylene

Concen: 17.075 ug/l

RT: 13.04 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VD061732.D

Acq: 11 Apr 2019 10:29

Instrument :

MSVOA_D

ClientSampleID :

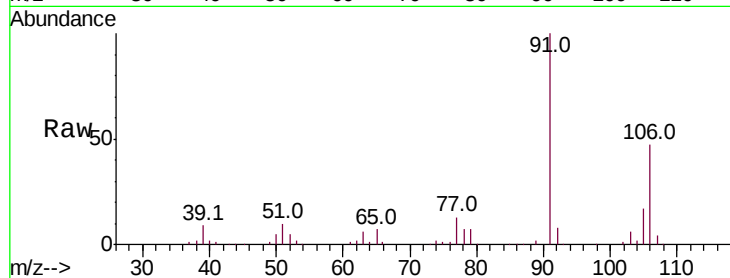
VD0410SBS02

Tot Ion:106 Resp: 188974

Ion Ratio Lower Upper

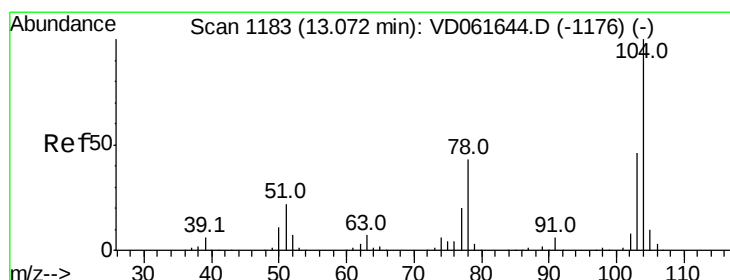
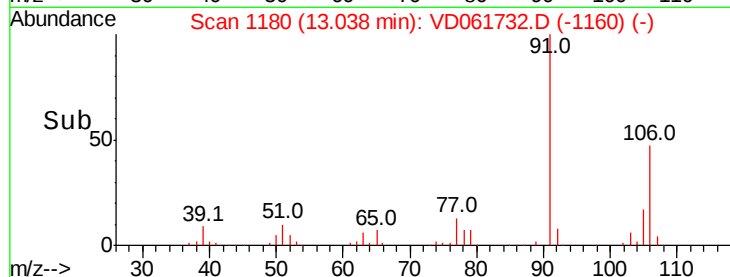
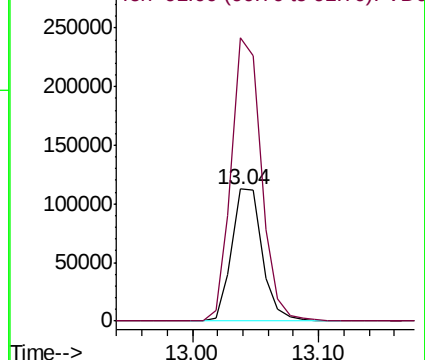
106 100

91 214.0 107.3 321.9



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): VDC



#70

Styrene

Concen: 17.024 ug/l

RT: 13.07 min Scan# 1183

Delta R.T. -0.00 min

Lab File: VD061732.D

Acq: 11 Apr 2019 10:29

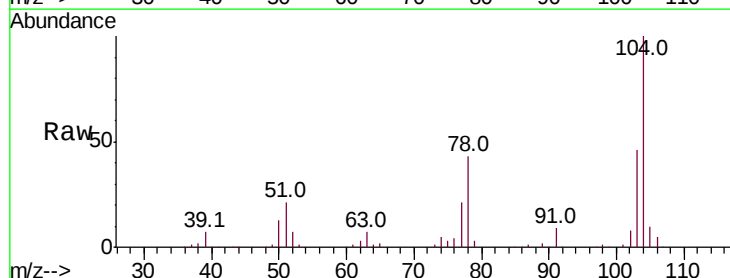
Tgt Ion:104 Resp: 321763

Ion Ratio Lower Upper

104 100

78 42.9 34.2 51.4

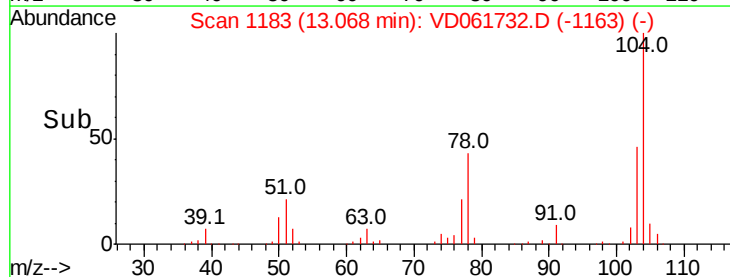
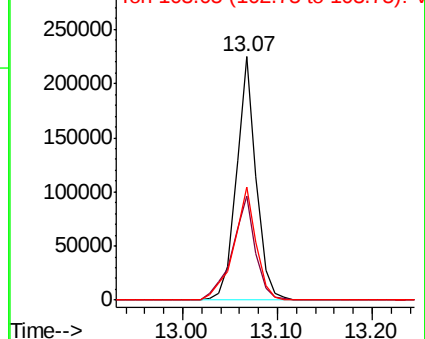
103 46.3 37.2 55.8

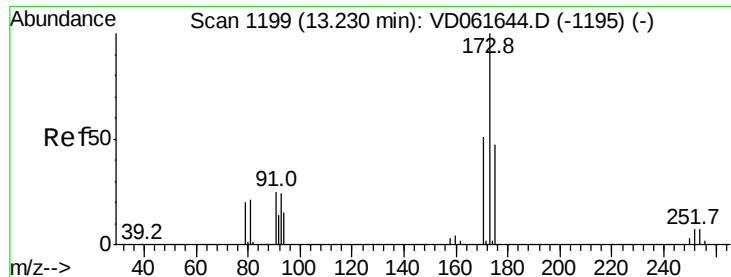


Abundance Ion 104.05 (103.75 to 104.75): V

Ion 77.95 (77.65 to 78.65): VDC

Ion 103.05 (102.75 to 103.75): V

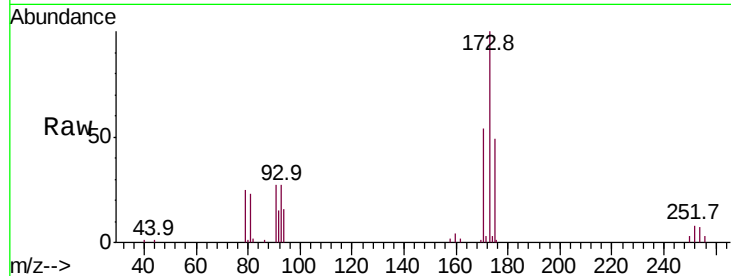




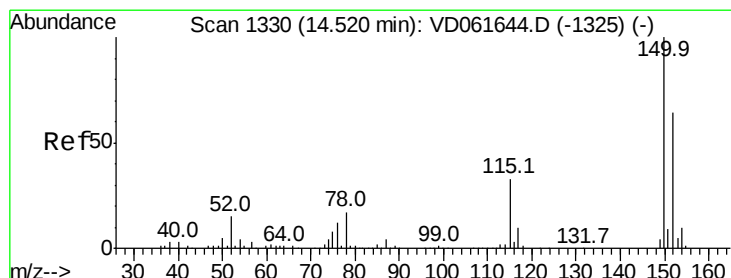
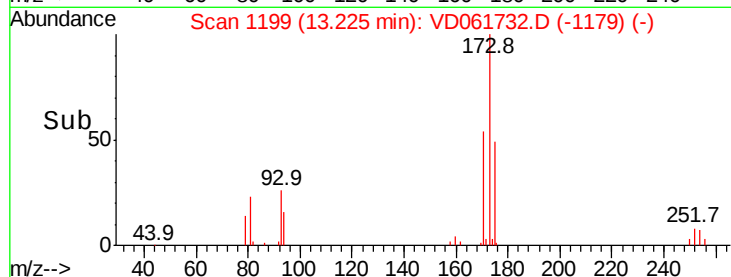
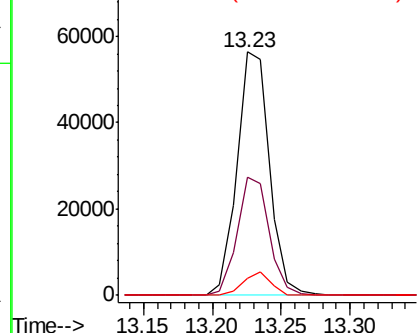
#71
Bromoform
Concen: 19.826 ug/l
RT: 13.23 min Scan# 1199
Delta R.T. -0.00 min
Lab File: VD061732.D
Acq: 11 Apr 2019 10:29

Instrument :
MSVOA_D
ClientSampleId :
VD0410SBS02

Tot Ion:173 Resp: 92440
Ion Ratio Lower Upper
173 100
175 48.5 23.7 71.1
254 6.9 5.8 8.6

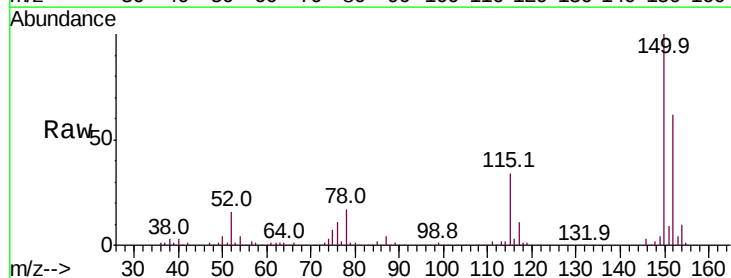


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

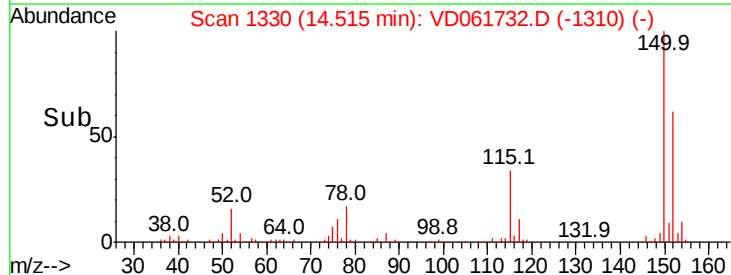
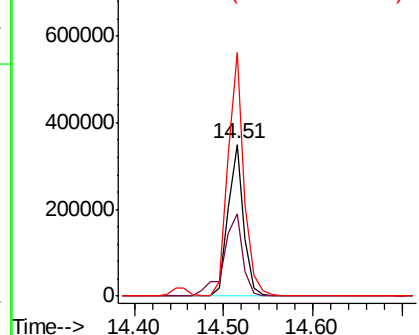


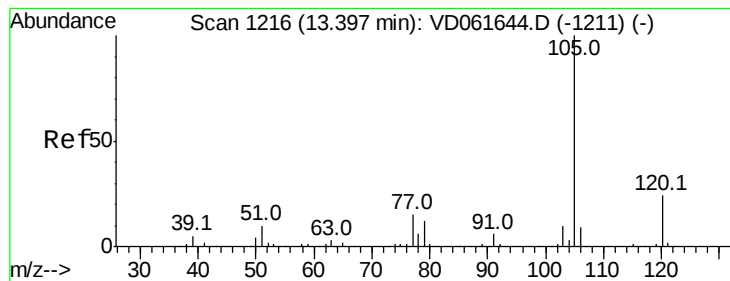
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD061732.D
Acq: 11 Apr 2019 10:29

Tgt Ion:152 Resp: 432203
Ion Ratio Lower Upper
152 100
115 53.9 26.4 79.2
150 160.4 0.0 320.6



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: 19.434 ug/l

RT: 13.39 min Scan# 1216

Delta R.T. -0.00 min

Lab File: VD061732.D

Acq: 11 Apr 2019 10:29

Instrument :

MSVOA_D

ClientSampleId :

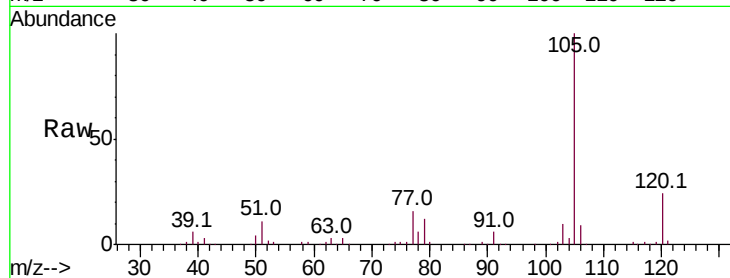
VD0410SBS02

Tot Ion:105 Resp: 559650

Ion Ratio Lower Upper

105 100

120 24.2 12.2 36.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.39

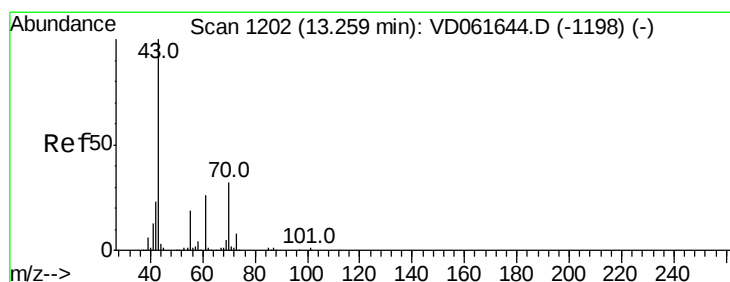
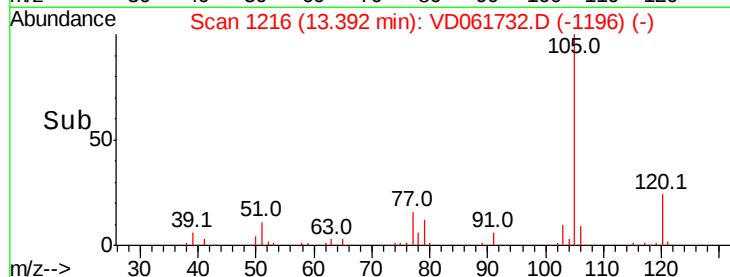
300000

200000

100000

0

Time--> 13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 19.494 ug/l

RT: 13.25 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VD061732.D

Acq: 11 Apr 2019 10:29

Tgt Ion: 43 Resp: 152531

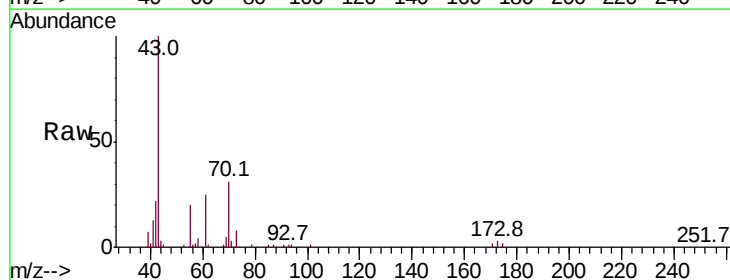
Ion Ratio Lower Upper

43 100

70 31.3 25.4 38.2

55 19.9 15.0 22.4

61 25.3 20.9 31.3



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

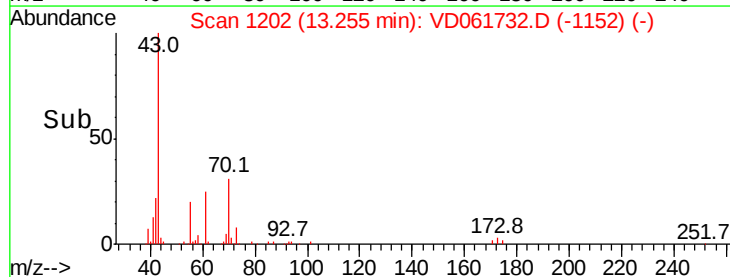
150000

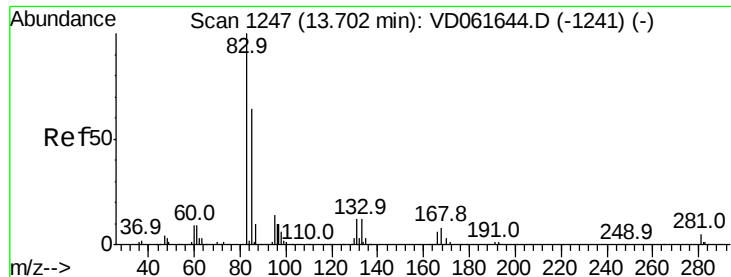
100000

50000

0

Time--> 13.20 13.30





#75

1,1,2,2-Tetrachloroethane

Concen: 19.405 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VD061732.D

Acq: 11 Apr 2019 10:29

Instrument :

MSVOA_D

ClientSampleId :

VD0410SBS02

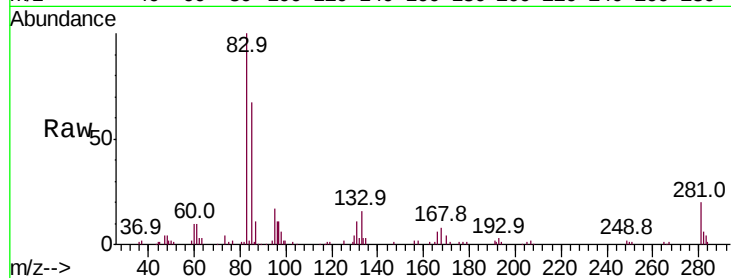
Tot Ion: 83 Resp: 115546

Ion Ratio Lower Upper

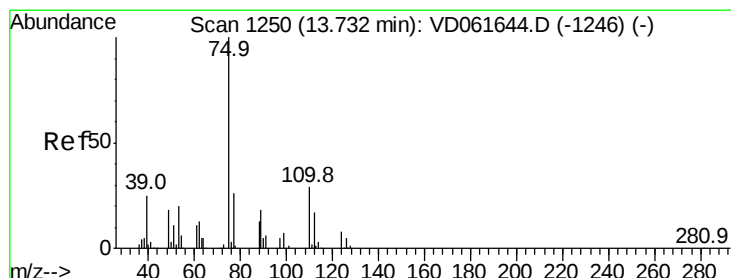
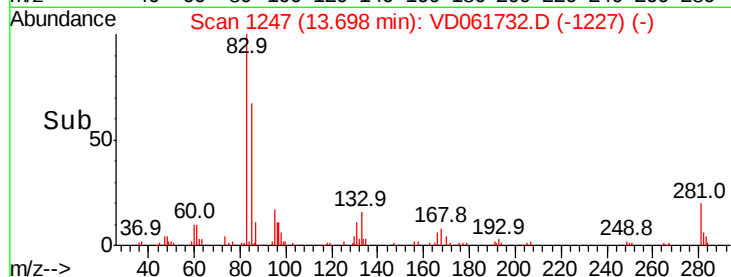
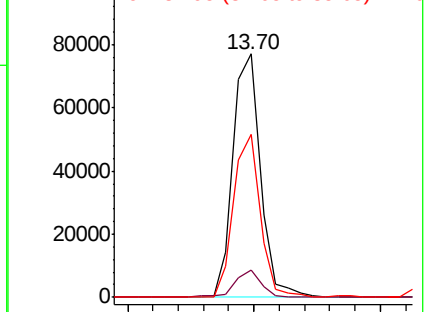
83 100

131 11.2 5.9 17.6

85 67.0 32.0 96.2



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



#76

1,2,3-Trichloropropane

Concen: 19.991 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VD061732.D

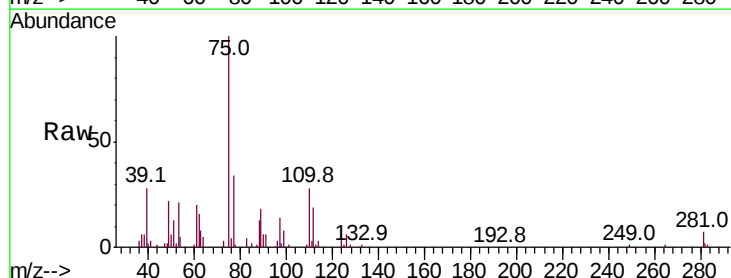
Acq: 11 Apr 2019 10:29

Tgt Ion: 75 Resp: 117550

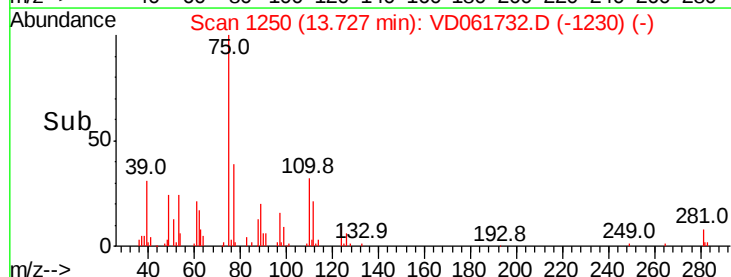
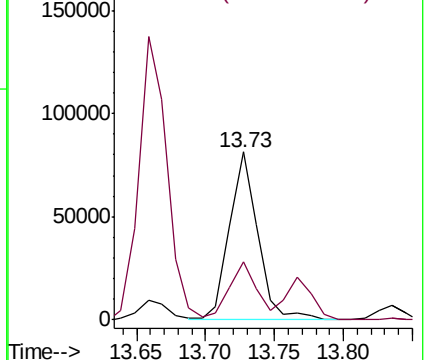
Ion Ratio Lower Upper

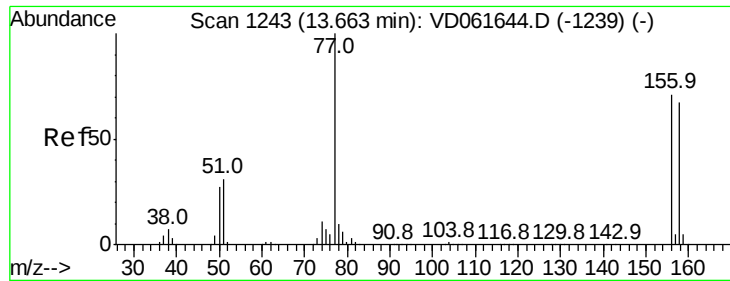
75 100

77 34.4 15.7 47.1



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





#77

Bromobenzene

Concen: 18.733 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.01 min

Lab File: VD061732.D

Acq: 11 Apr 2019 10:29

Instrument :

MSVOA_D

ClientSampleId :

VD0410SBS02

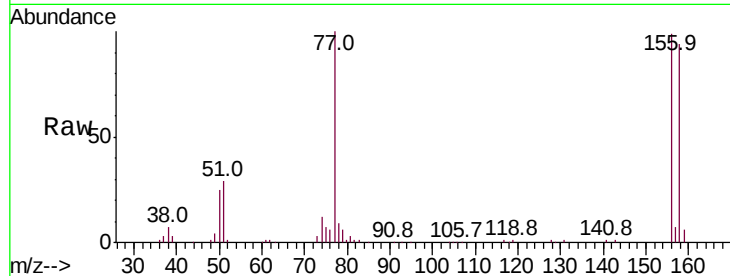
Tot Ion:156 Resp: 156591

Ion Ratio Lower Upper

156 100

77 100.6 70.3 210.8

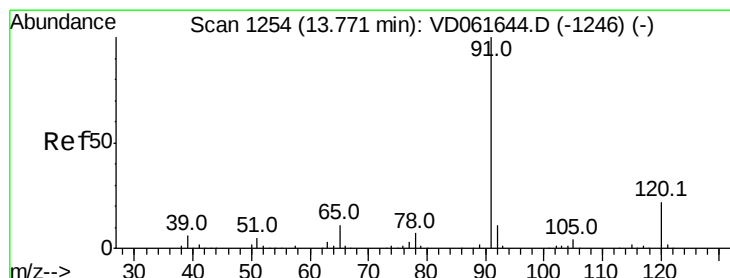
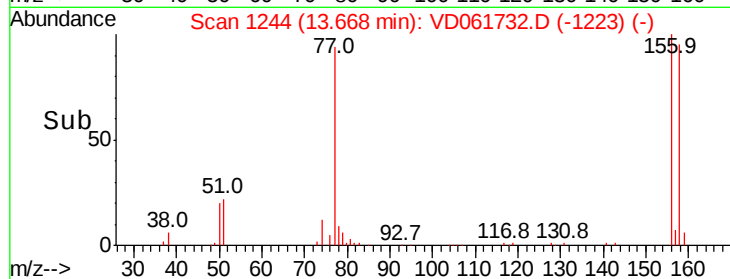
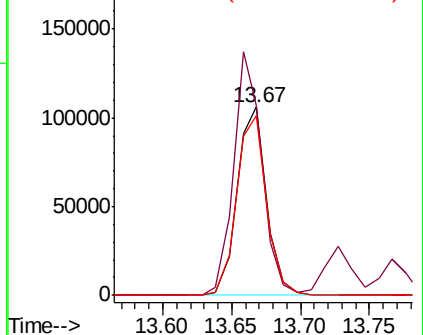
158 94.9 47.4 142.2



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: 21.503 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VD061732.D

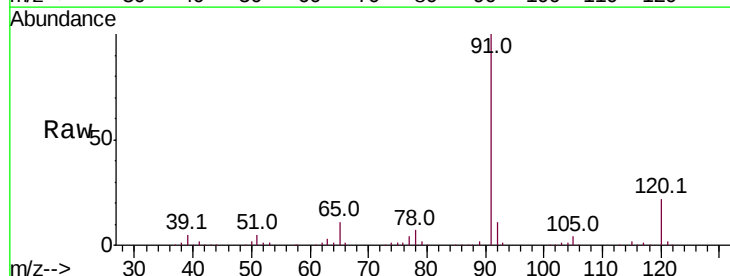
Acq: 11 Apr 2019 10:29

Tgt Ion: 91 Resp: 740750

Ion Ratio Lower Upper

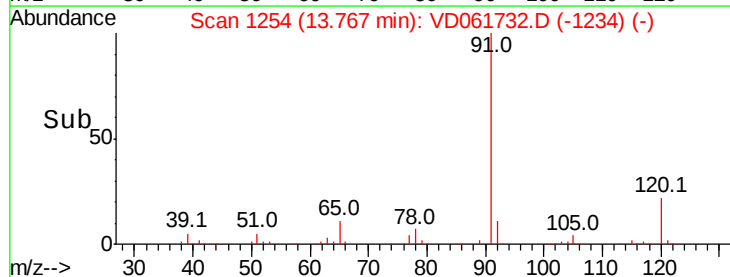
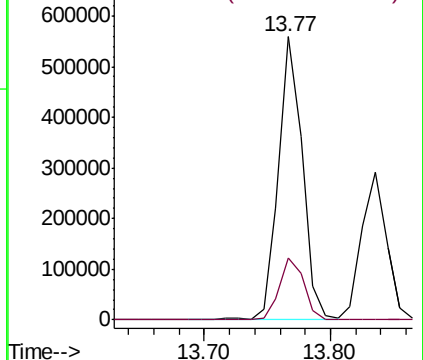
91 100

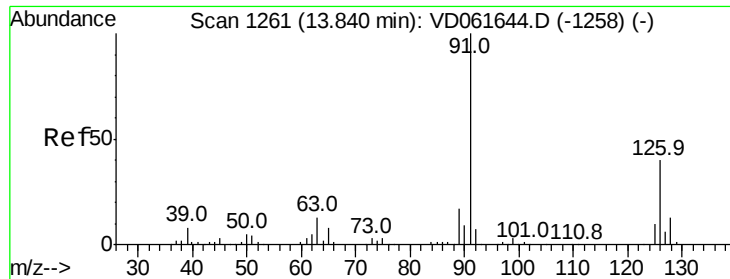
120 22.1 10.8 32.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 20.170 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VD061732.D

Acq: 11 Apr 2019 10:29

Instrument :

MSVOA_D

ClientSampleId :

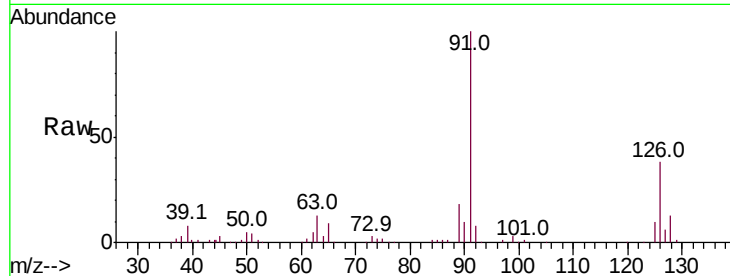
VD0410SBS02

Tot Ion: 91 Resp: 397341

Ion Ratio Lower Upper

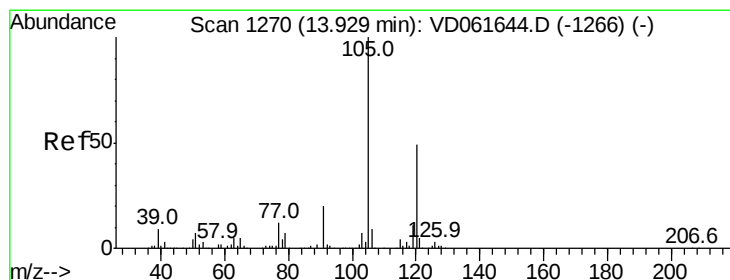
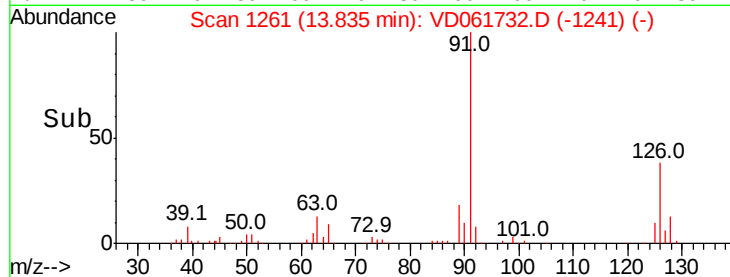
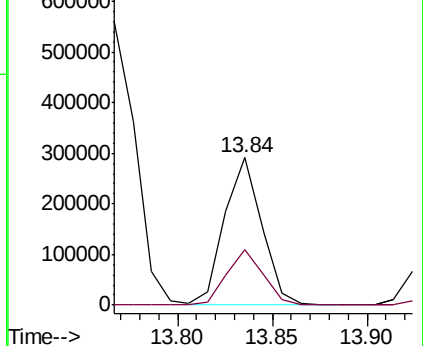
91 100

126 37.9 20.0 59.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 20.898 ug/l

RT: 13.92 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD061732.D

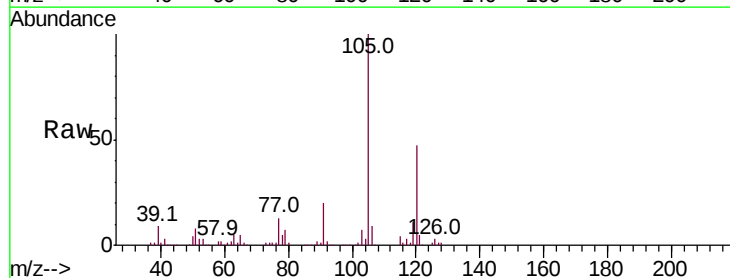
Acq: 11 Apr 2019 10:29

Tgt Ion:105 Resp: 477670

Ion Ratio Lower Upper

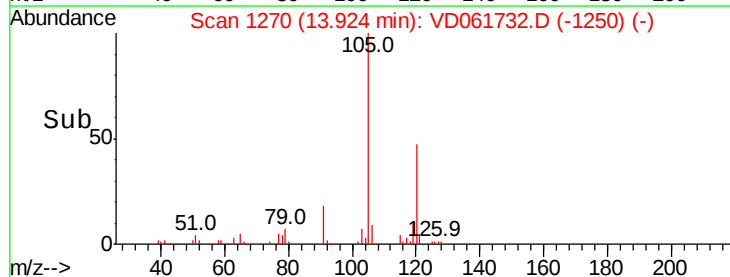
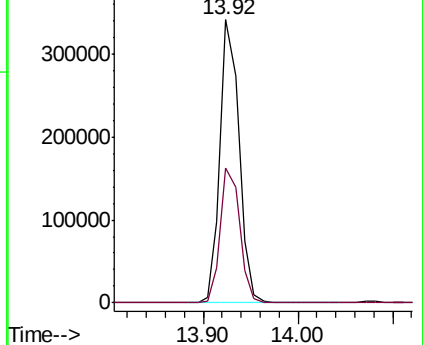
105 100

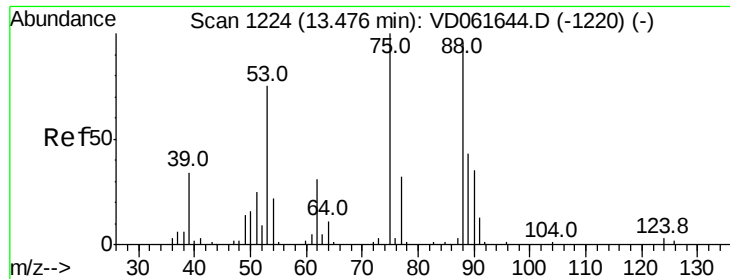
120 47.4 24.4 73.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 19.990 ug/l

RT: 13.47 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VD061732.D

Acq: 11 Apr 2019 10:29

Instrument :

MSVOA_D

ClientSampleId :

VD0410SBS02

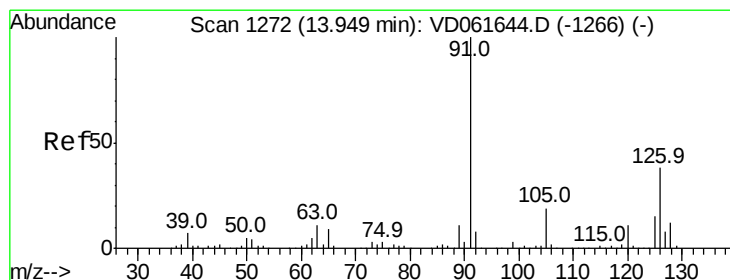
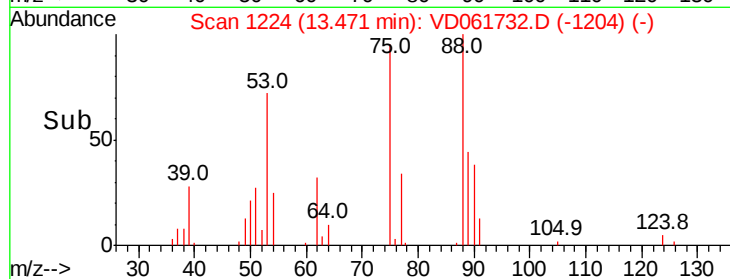
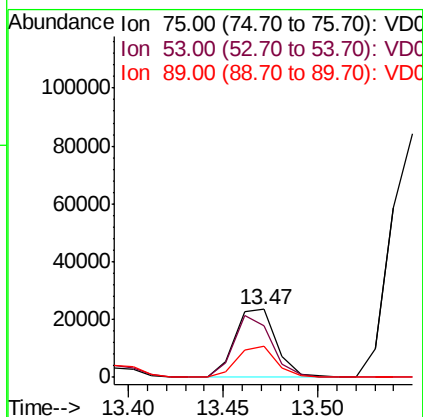
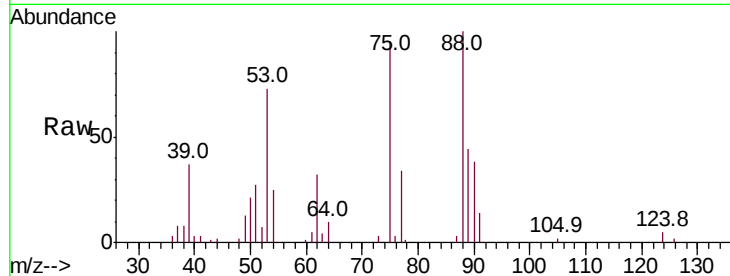
Tot Ion: 75 Resp: 35670

Ion Ratio Lower Upper

75 100

53 77.0 60.2 90.2

89 46.2 34.2 51.2



#82

4-Chlorotoluene

Concen: 21.257 ug/l

RT: 13.94 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VD061732.D

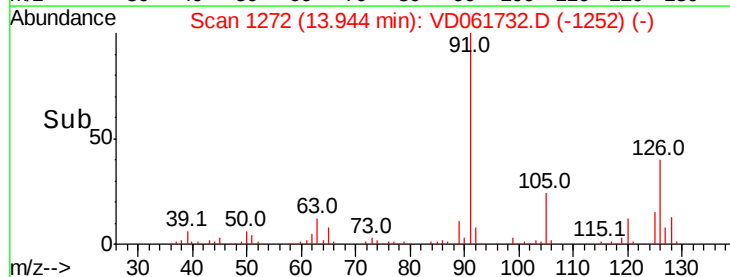
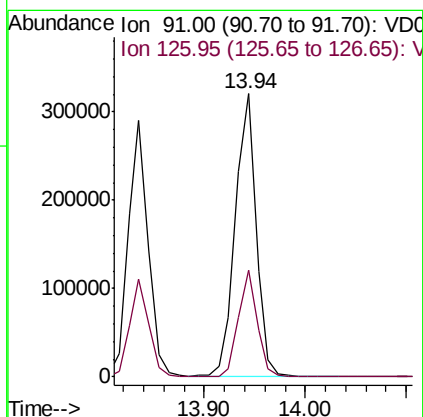
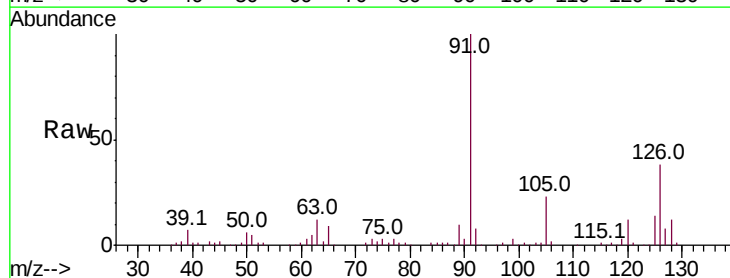
Acq: 11 Apr 2019 10:29

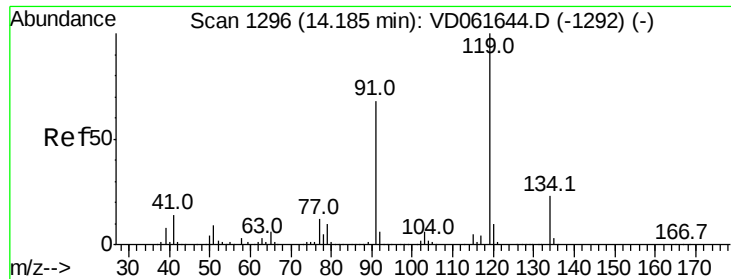
Tgt Ion: 91 Resp: 458852

Ion Ratio Lower Upper

91 100

126 37.6 19.0 57.0

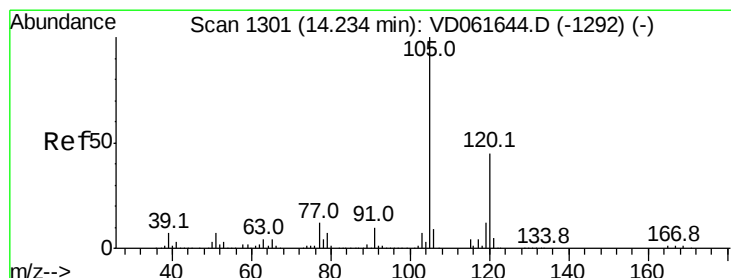
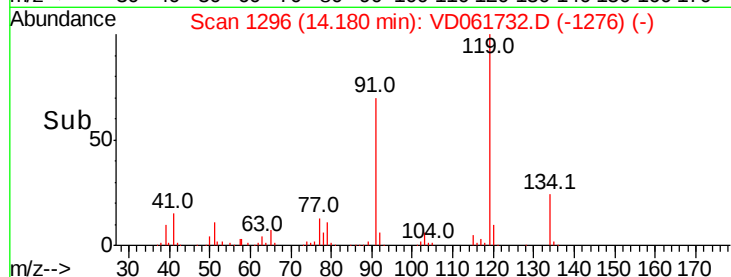
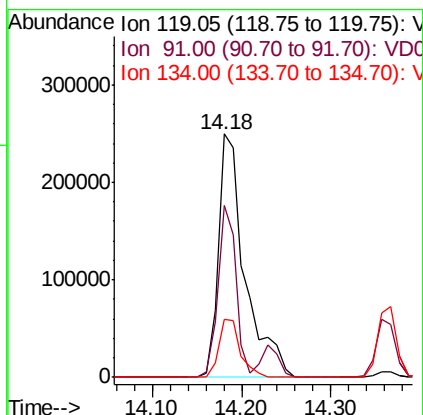
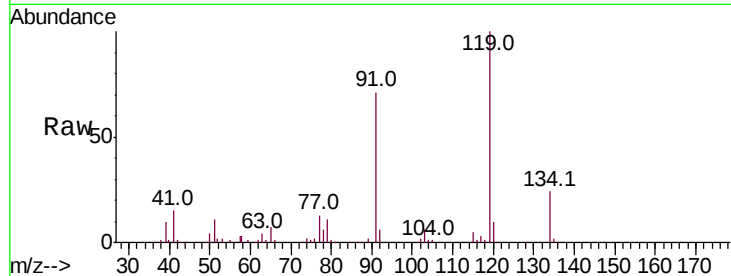




#83
tert-Butylbenzene
Concen: 18.793 ug/l
RT: 14.18 min Scan# 1296
Delta R.T. -0.00 min
Lab File: VD061732.D
Acq: 11 Apr 2019 10:29

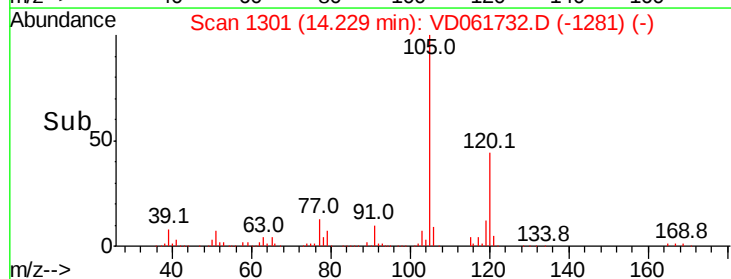
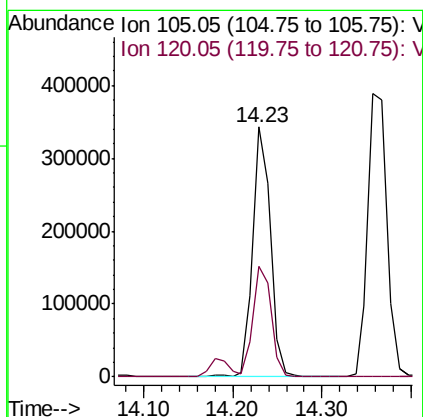
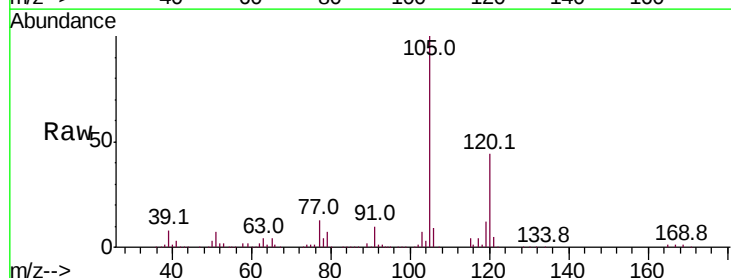
Instrument :
MSVOA_D
ClientSampleId :
VD0410SBS02

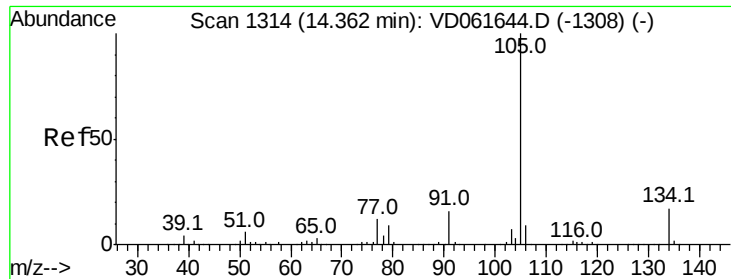
Tot Ion:119 Resp: 517913
Ion Ratio Lower Upper
119 100
91 70.6 33.9 101.6
134 23.6 11.6 34.8



#84
1,2,4-Trimethylbenzene
Concen: 20.334 ug/l
RT: 14.23 min Scan# 1301
Delta R.T. -0.00 min
Lab File: VD061732.D
Acq: 11 Apr 2019 10:29

Tgt Ion:105 Resp: 469081
Ion Ratio Lower Upper
105 100
120 44.2 22.6 67.8

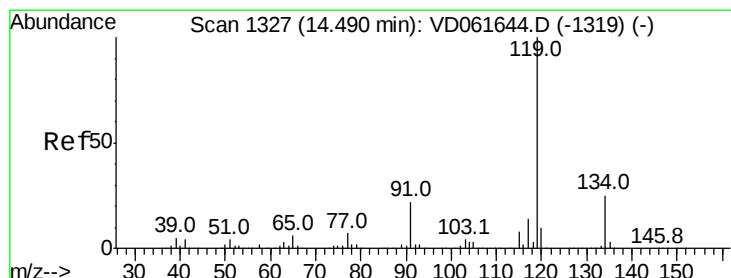
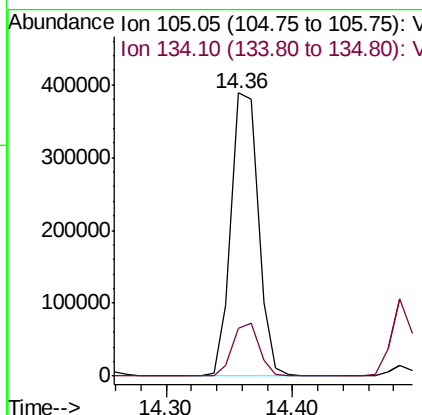
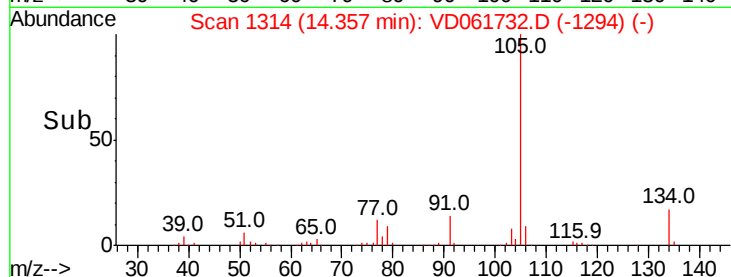
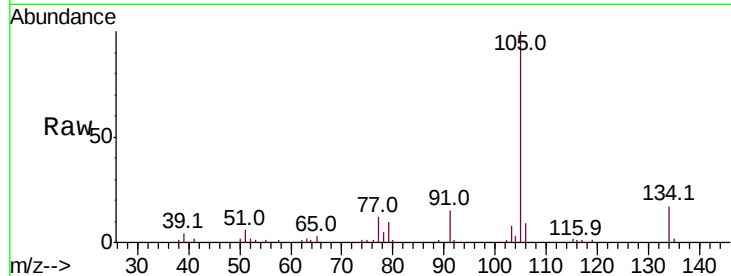




#85
 sec-Butylbenzene
 Concen: 19.522 ug/l
 RT: 14.36 min Scan# 1314
 Delta R.T. -0.00 min
 Lab File: VD061732.D
 Acq: 11 Apr 2019 10:29

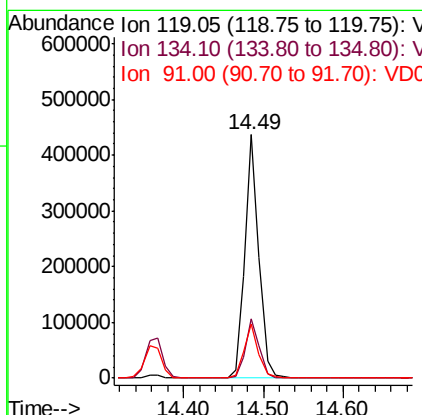
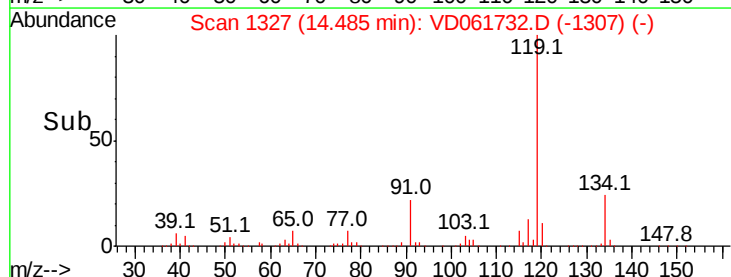
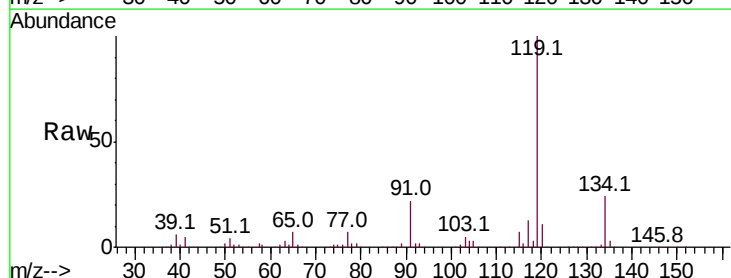
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0410SBS02

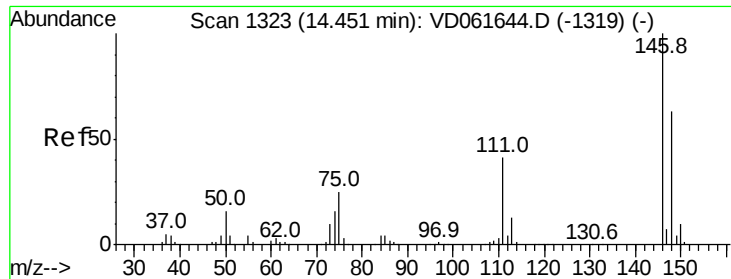
Tot Ion:105 Resp: 581270
 Ion Ratio Lower Upper
 105 100
 134 17.1 8.6 25.7



#86
 p-Isopropyltoluene
 Concen: 20.449 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. -0.00 min
 Lab File: VD061732.D
 Acq: 11 Apr 2019 10:29

Tgt Ion:119 Resp: 528198
 Ion Ratio Lower Upper
 119 100
 134 24.5 12.5 37.5
 91 22.1 11.0 33.0

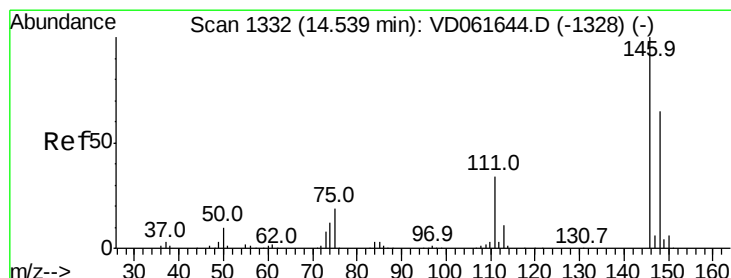
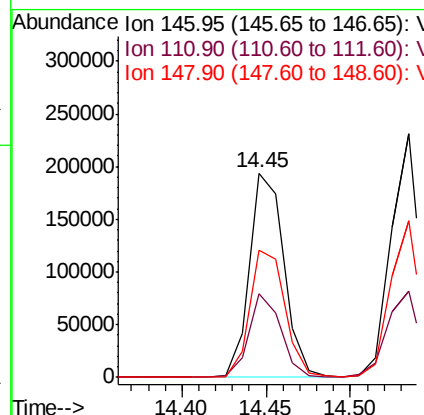
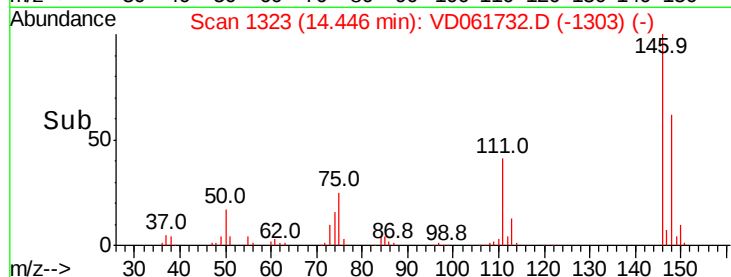
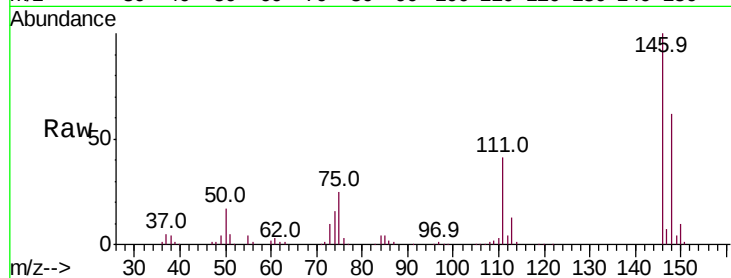




#87
 1,3-Dichlorobenzene
 Concen: 19.176 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: VD061732.D
 Acq: 11 Apr 2019 10:29

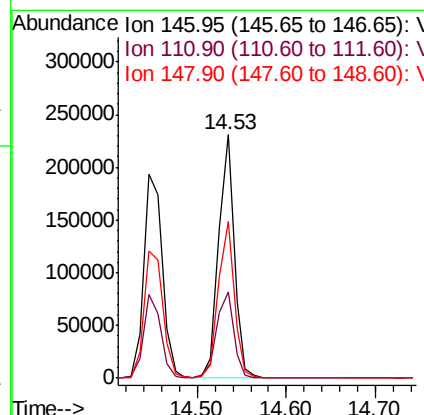
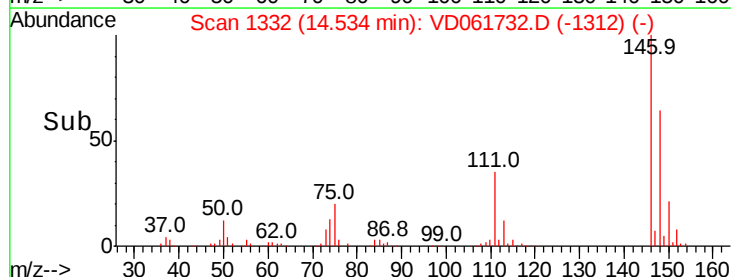
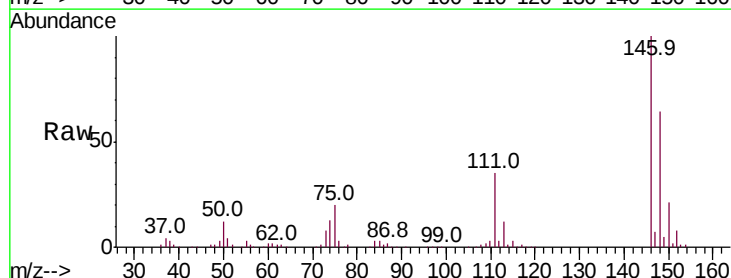
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0410SBS02

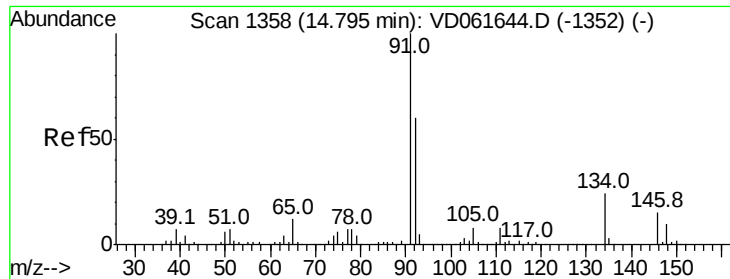
Tot Ion:146 Resp: 275867
 Ion Ratio Lower Upper
 146 100
 111 40.7 20.3 61.0
 148 61.9 31.7 95.1



#88
 1,4-Dichlorobenzene
 Concen: 19.559 ug/l
 RT: 14.53 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: VD061732.D
 Acq: 11 Apr 2019 10:29

Tgt Ion:146 Resp: 283901
 Ion Ratio Lower Upper
 146 100
 111 35.2 17.1 51.2
 148 64.3 32.6 97.7

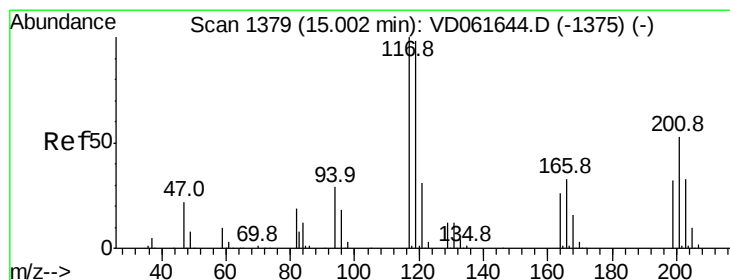
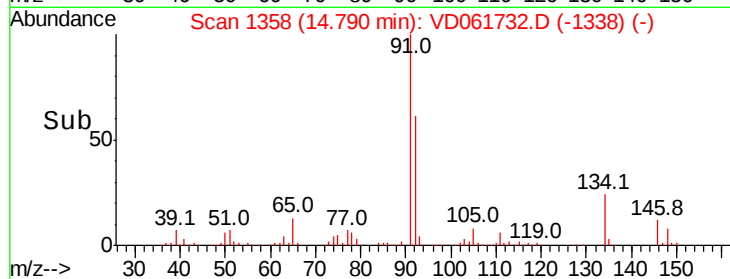
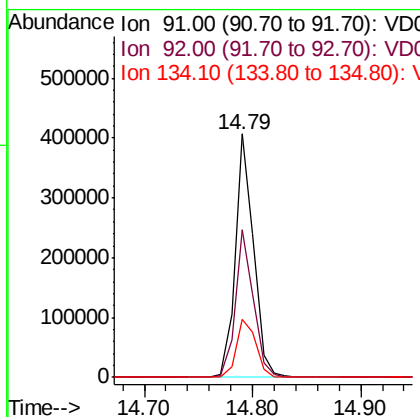
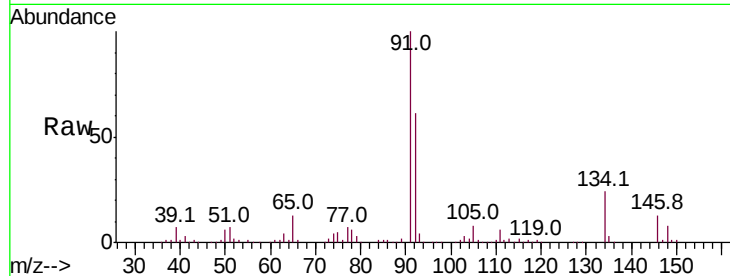




#89
n-Butylbenzene
Concen: 21.232 ug/l
RT: 14.79 min Scan# 1358
Delta R.T. -0.00 min
Lab File: VD061732.D
Acq: 11 Apr 2019 10:29

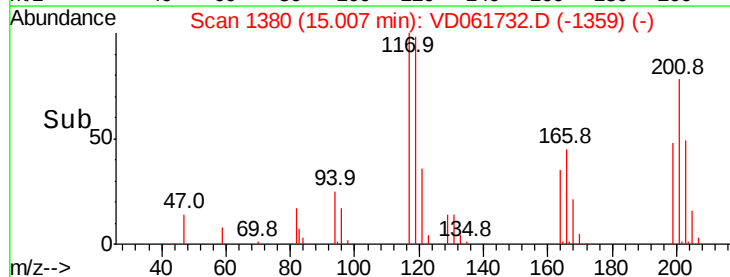
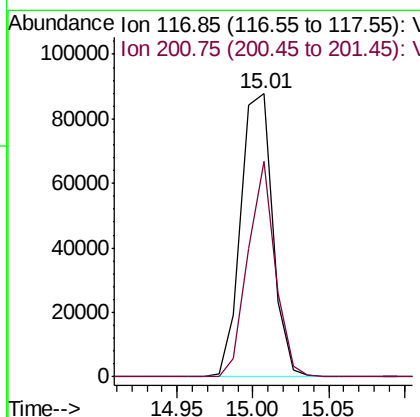
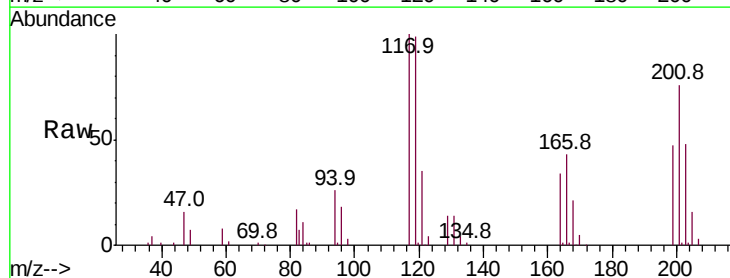
Instrument :
MSVOA_D
ClientSampleID :
VD0410SBS02

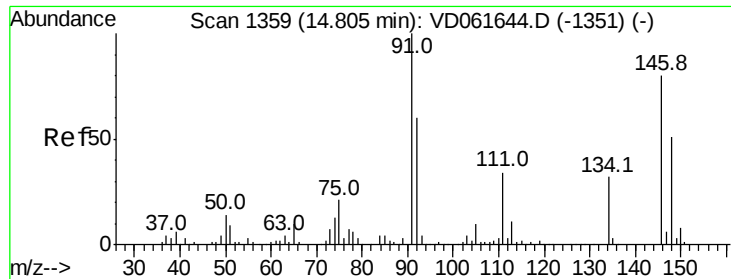
Tot Ion: 91 Resp: 476697
Ion Ratio Lower Upper
91 100
92 60.5 29.8 89.4
134 23.8 12.2 36.4



#90
Hexachloroethane
Concen: 18.425 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. 0.01 min
Lab File: VD061732.D
Acq: 11 Apr 2019 10:29

Tgt Ion: 117 Resp: 129138
Ion Ratio Lower Upper
117 100
201 76.4 26.3 78.8

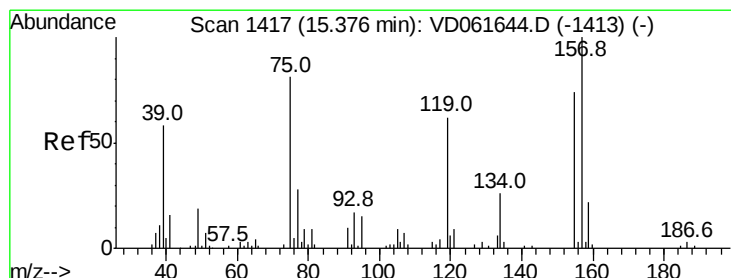
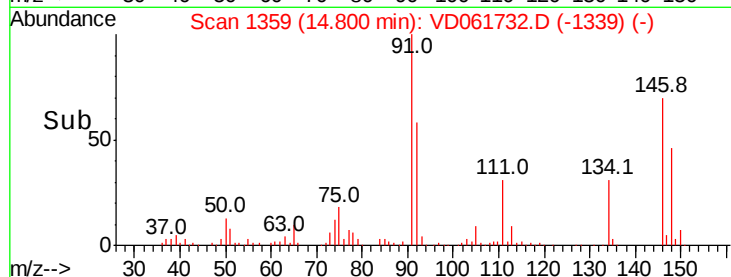
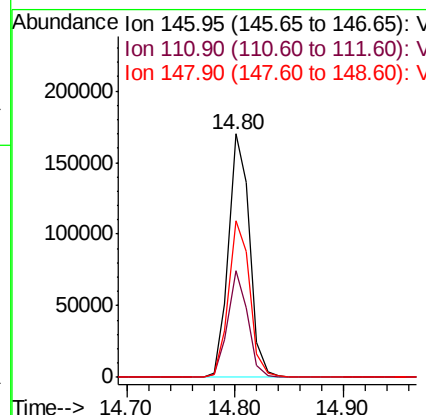
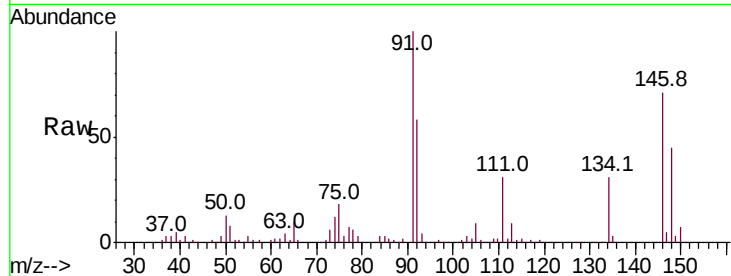




#91
 1,2-Dichlorobenzene
 Concen: 19.521 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VD061732.D
 Acq: 11 Apr 2019 10:29

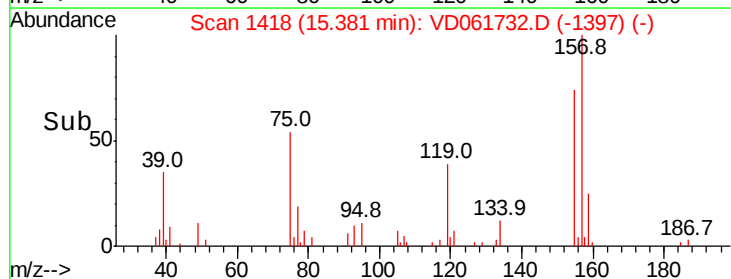
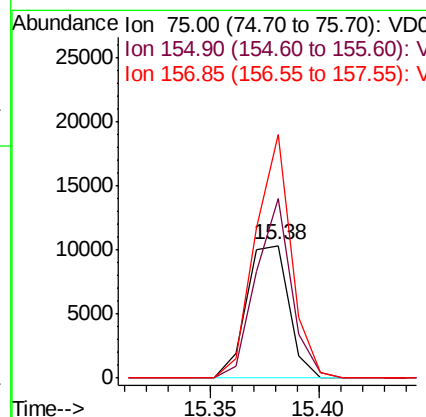
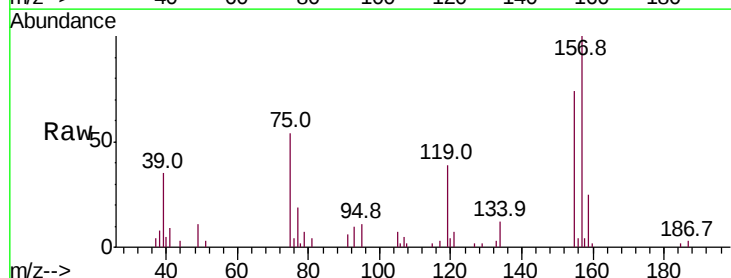
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0410SBS02

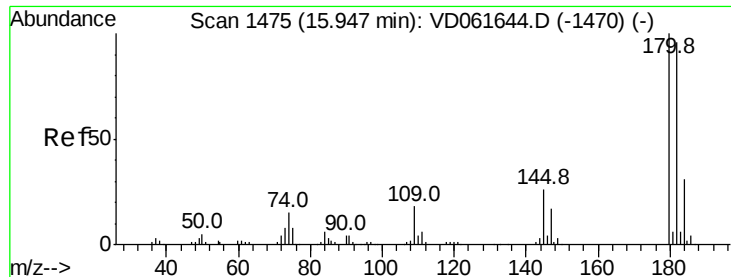
Tot Ion:146 Resp: 231456
 Ion Ratio Lower Upper
 146 100
 111 43.9 21.1 63.3
 148 64.4 31.7 95.1



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.720 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. 0.01 min
 Lab File: VD061732.D
 Acq: 11 Apr 2019 10:29

Tgt Ion: 75 Resp: 14170
 Ion Ratio Lower Upper
 75 100
 155 135.4 45.6 136.7
 157 183.8 61.4 184.2

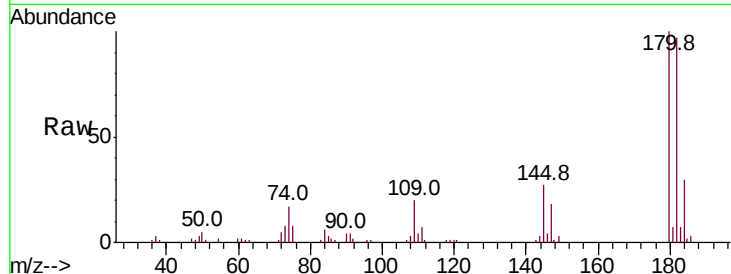




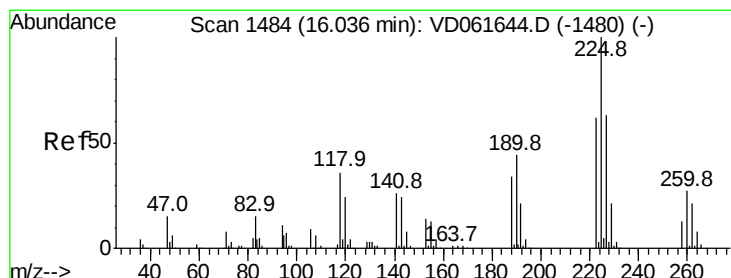
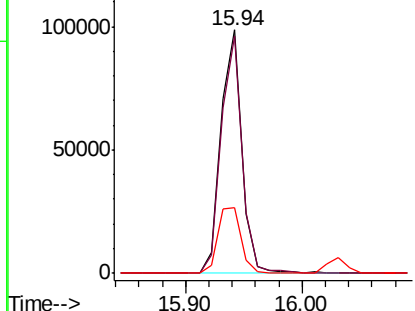
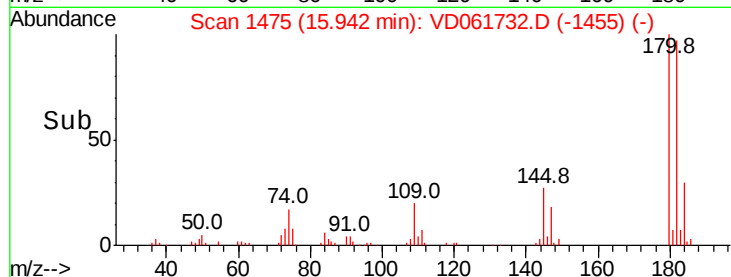
#93
 1,2,4-Trichlorobenzene
 Concen: 20.280 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD061732.D
 Acq: 11 Apr 2019 10:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0410SBS02

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.2	47.8	143.3
145	27.1	13.3	39.8

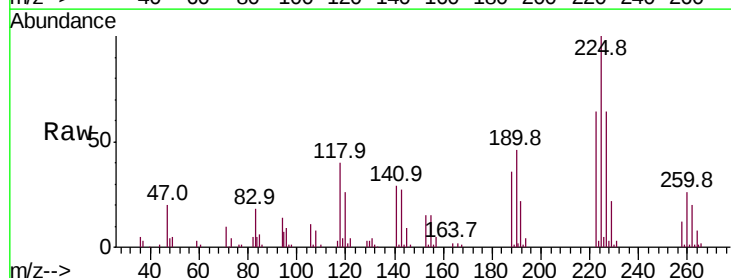


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

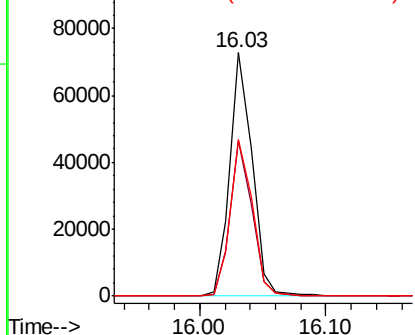
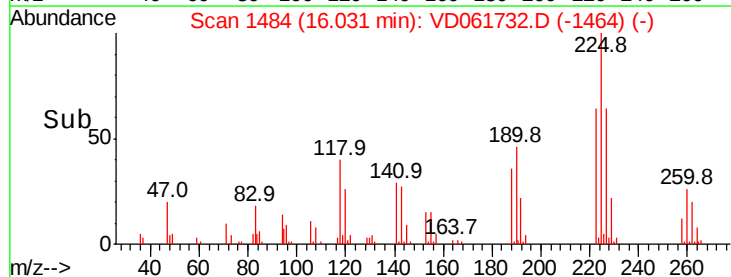


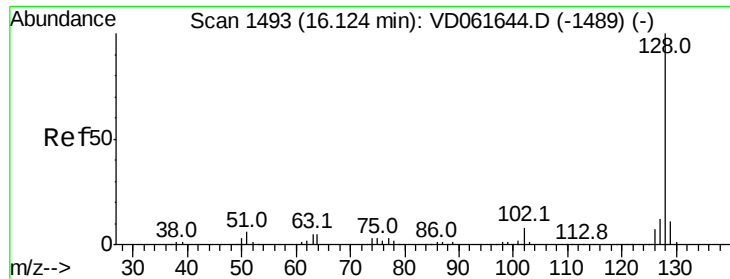
#94
 Hexachlorobutadiene
 Concen: 19.028 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VD061732.D
 Acq: 11 Apr 2019 10:29

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.0	30.8	92.3
227	64.2	31.5	94.5



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

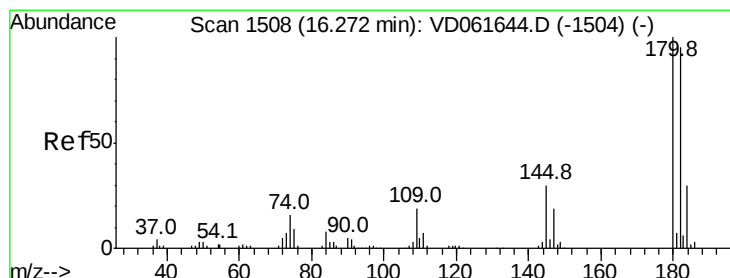
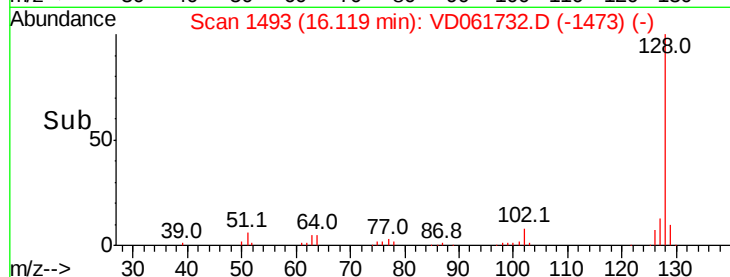
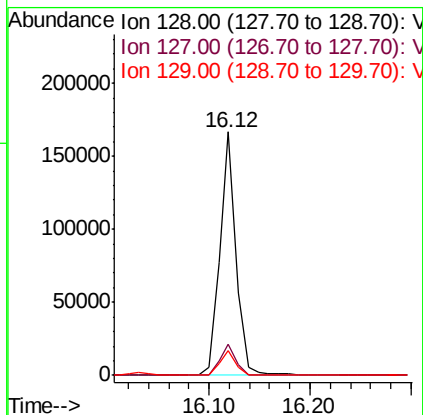
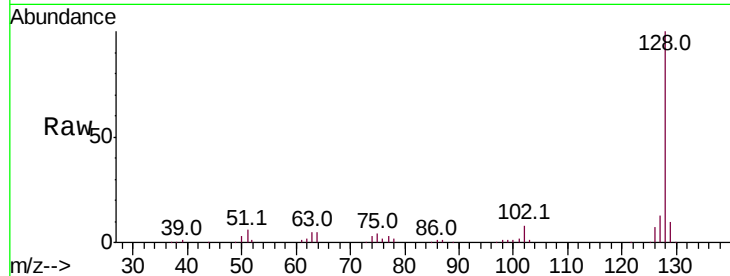




#95
Naphthalene
Concen: 19.619 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VD061732.D
Acq: 11 Apr 2019 10:29

Instrument :
MSVOA_D
ClientSampleId :
VD0410SBS02

Tot Ion:128 Resp: 187522
Ion Ratio Lower Upper
128 100
127 12.9 9.4 14.2
129 10.4 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 19.557 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.00 min
Lab File: VD061732.D
Acq: 11 Apr 2019 10:29

Tgt Ion:180 Resp: 58960
Ion Ratio Lower Upper
180 100
182 98.5 47.3 142.0
145 31.3 15.1 45.3

