

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062419\
 Data File : VD062858.D
 Acq On : 25 Jun 2019 2:05
 Operator : VA/AP
 Sample : VD0624SBS02
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0624SBS02

Quant Time: Jun 25 05:07:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	847938	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1226855	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.38	117	1060980	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	560230	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	513703	55.73	ug/l	0.00
Spiked Amount			Recovery	=	111.46%	
35) Dibromofluoromethane	6.93	113	544526	52.64	ug/l	0.00
Spiked Amount			Recovery	=	105.28%	
50) Toluene-d8	10.42	98	1208890	53.69	ug/l	0.00
Spiked Amount			Recovery	=	107.38%	
62) 4-Bromofluorobenzene	13.56	95	457593	44.70	ug/l	0.00
Spiked Amount			Recovery	=	89.40%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	226152	20.611	ug/l	95
3) Chloromethane	1.74	50	178148	21.588	ug/l	96
4) Vinyl Chloride	1.84	62	170645	20.856	ug/l	93
5) Bromomethane	2.15	94	65541	17.105	ug/l #	95
6) Chloroethane	2.26	64	75358	20.344	ug/l #	74
7) Trichlorofluoromethane	2.52	101	320424	19.351	ug/l	98
8) Diethyl Ether	2.88	74	51570	24.512	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.14	101	200696	22.373	ug/l #	84
10) Methyl Iodide	3.30	142	224991	19.011	ug/l	95
11) Tert butyl alcohol	4.09	59	47160	112.344	ug/l	98
12) 1,1-Dichloroethene	3.12	96	147866	21.973	ug/l	97
13) Acrolein	3.04	56	33452	78.059	ug/l	93
14) Allyl chloride	3.62	41	213771	21.499	ug/l	92
15) Acrylonitrile	4.20	53	122840	124.537	ug/l #	87
16) Acetone	3.22	43	183073	93.569	ug/l	93
17) Carbon Disulfide	3.37	76	427848	19.893	ug/l #	94
18) Methyl Acetate	3.64	43	92310	33.177	ug/l	96
19) Methyl tert-butyl Ether	4.24	73	351049	24.097	ug/l	97
20) Methylene Chloride	3.81	84	167123	23.775	ug/l	89
21) trans-1,2-Dichloroethene	4.21	96	156937	21.902	ug/l	96
22) Diisopropyl ether	5.13	45	495387	24.498	ug/l	95
23) Vinyl Acetate	5.06	43	1381962	109.214	ug/l	99
24) 1,1-Dichloroethane	4.99	63	288360	21.902	ug/l	98
25) 2-Butanone	6.09	43	209315	121.423	ug/l #	90
26) 2,2-Dichloropropane	6.03	77	264617	18.962	ug/l	99
27) cis-1,2-Dichloroethene	6.04	96	186263	24.581	ug/l	92
28) Bromochloromethane	6.45	49	112982	24.365	ug/l	88
29) Tetrahydrofuran	6.48	42	102241	125.354	ug/l	97
30) Chloroform	6.68	83	354397	22.133	ug/l	94
31) Cyclohexane	6.96	56	179129	20.696	ug/l	99
32) 1,1,1-Trichloroethane	6.88	97	352408	21.131	ug/l	88
36) 1,1-Dichloropropene	7.15	75	231197	19.907	ug/l	98
37) Ethyl Acetate	6.19	43	110475	22.028	ug/l	97
38) Carbon Tetrachloride	7.11	117	337248	19.308	ug/l	95

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	199939	19.558	ug/l	96
40) Benzene	7.46	78	500748	21.480	ug/l	93
41) Methacrylonitrile	6.46	41	132692	21.665	ug/l #	96
42) 1,2-Dichloroethane	7.58	62	291555	22.925	ug/l	100
43) Isopropyl Acetate	9.25	43	133360	21.903	ug/l #	100
44) Trichloroethene	8.55	130	194494	21.280	ug/l	96
45) 1,2-Dichloropropane	8.95	63	123530	21.310	ug/l	99
46) Dibromomethane	9.07	93	107024	21.493	ug/l	91
47) Bromodichloromethane	9.38	83	276875	21.409	ug/l	93
48) Methyl methacrylate	9.13	41	88932	20.553	ug/l	94
49) 1,4-Dioxane	9.10	88	17356	482.136	ug/l #	86
51) 4-Methyl-2-Pentanone	10.31	43	509174	117.949	ug/l	98
52) Toluene	10.52	92	329055	20.998	ug/l	97
53) t-1,3-Dichloropropene	10.92	75	227158	21.460	ug/l	99
54) cis-1,3-Dichloropropene	10.04	75	253777	22.058	ug/l	98
55) 1,1,2-Trichloroethane	11.19	97	110240	20.476	ug/l	98
56) Ethyl methacrylate	11.05	69	134726	23.415	ug/l	98
57) 1,3-Dichloropropane	11.41	76	168790	20.475	ug/l	92
58) 2-Chloroethyl Vinyl ether	9.87	63	339836	115.048	ug/l	95
59) 2-Hexanone	11.54	43	364676	118.615	ug/l	96
60) Dibromochloromethane	11.70	129	207451	20.687	ug/l	98
61) 1,2-Dibromoethane	11.81	107	142323	22.383	ug/l	90
64) Tetrachloroethene	11.26	164	191117	21.887	ug/l	89
65) Chlorobenzene	12.41	112	380705	19.334	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	191626	20.810	ug/l	96
67) Ethyl Benzene	12.52	91	717243	20.288	ug/l	97
68) m/p-Xylenes	12.67	106	511110	41.510	ug/l	96
69) o-Xylene	13.05	106	251348	22.330	ug/l	93
70) Styrene	13.07	104	425316	21.513	ug/l	95
71) Bromoform	13.24	173	137156	21.739	ug/l	96
73) Isopropylbenzene	13.41	105	712334	19.831	ug/l	96
74) N-amyl acetate	13.27	43	198944	22.806	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.70	83	129277	22.088	ug/l	99
76) 1,2,3-Trichloropropane	13.73	75	145071	22.431	ug/l	100
77) Bromobenzene	13.68	156	210571	21.794	ug/l	98
78) n-propylbenzene	13.77	91	798291	19.094	ug/l	93
79) 2-Chlorotoluene	13.84	91	531043	22.226	ug/l	98
80) 1,3,5-Trimethylbenzene	13.94	105	641855	21.273	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.48	75	33559	19.799	ug/l	99
82) 4-Chlorotoluene	13.95	91	606047	21.069	ug/l	99
83) tert-Butylbenzene	14.20	119	637908	18.968	ug/l	99
84) 1,2,4-Trimethylbenzene	14.25	105	646306	20.899	ug/l	99
85) sec-Butylbenzene	14.37	105	756391	20.693	ug/l	98
86) p-Isopropyltoluene	14.49	119	642885	19.225	ug/l	99
87) 1,3-Dichlorobenzene	14.46	146	331361	19.132	ug/l	96
88) 1,4-Dichlorobenzene	14.54	146	361951	20.807	ug/l	97
89) n-Butylbenzene	14.80	91	607131	19.398	ug/l	98
90) Hexachloroethane	15.01	117	172456	19.181	ug/l	96
91) 1,2-Dichlorobenzene	14.82	146	330619	22.312	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.39	75	23994	21.004	ug/l #	41

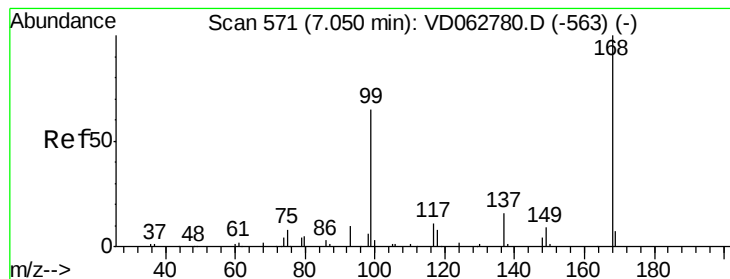
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062419\
Data File : VD062858.D
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	244627	21.134	ug/l	99
94) Hexachlorobutadiene	16.04	225	155563	17.592	ug/l	99
95) Naphthalene	16.13	128	367733	22.666	ug/l	97
96) 1,2,3-Trichlorobenzene	16.27	180	186856	21.010	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.00 min

Lab File: VD062858.D

Acq: 25 Jun 2019 2:05

Instrument :

MSVOA_D

ClientSampleId :

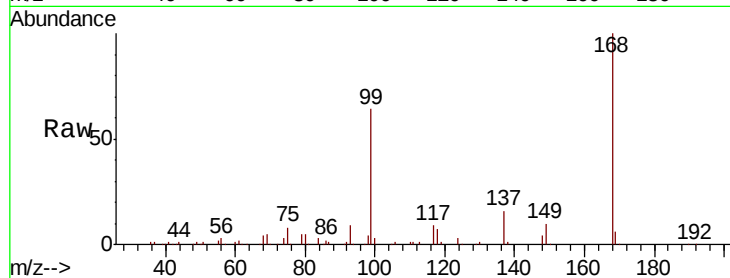
VD0624SBSD02

Tot Ion:168 Resp: 847938

Ion Ratio Lower Upper

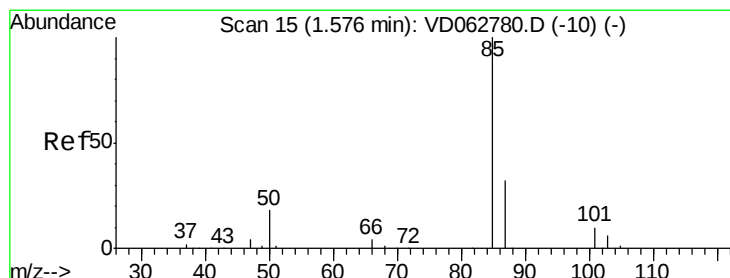
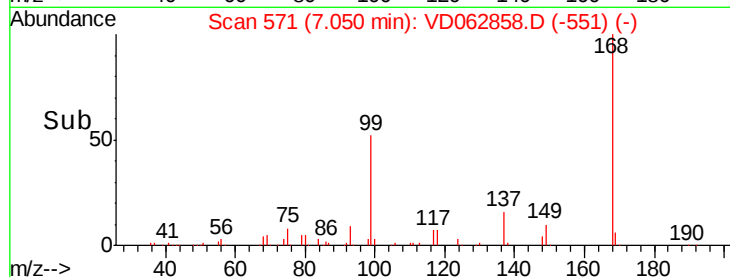
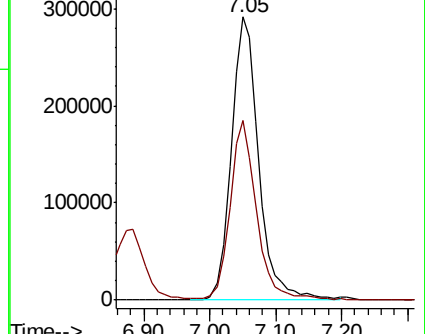
168 100

99 63.6 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 20.611 ug/l

RT: 1.57 min Scan# 14

Delta R.T. -0.01 min

Lab File: VD062858.D

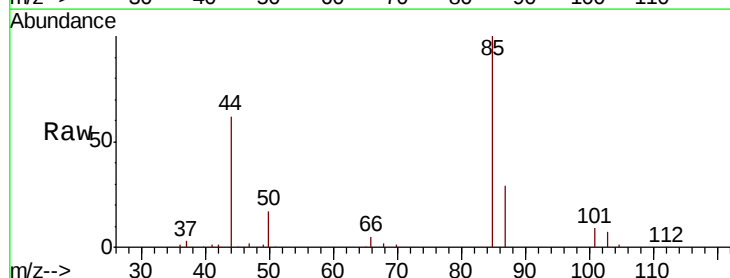
Acq: 25 Jun 2019 2:05

Tgt Ion: 85 Resp: 226152

Ion Ratio Lower Upper

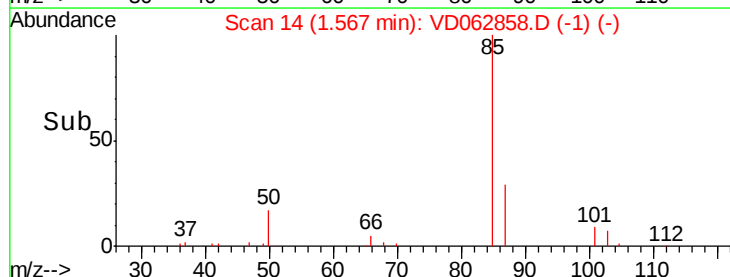
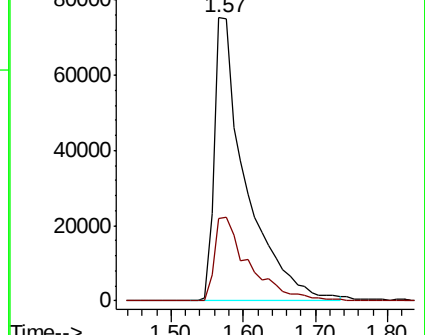
85 100

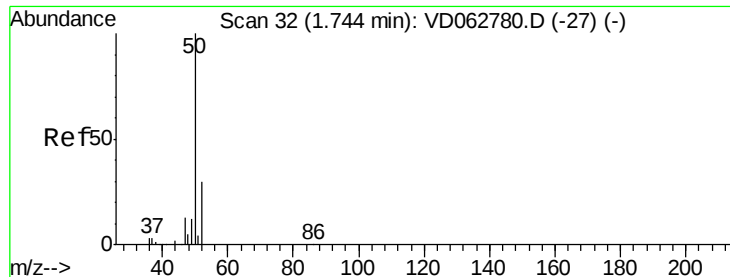
87 29.1 15.9 47.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 21.588 ug/l

RT: 1.74 min Scan# 32

Delta R.T. 0.00 min

Lab File: VD062858.D

Acq: 25 Jun 2019 2:05

Instrument :

MSVOA_D

ClientSampleId :

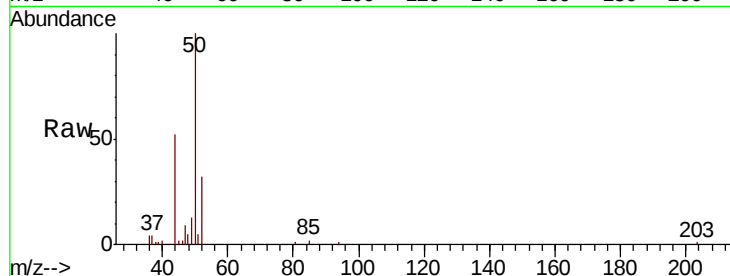
VD0624SBSD02

Tot Ion: 50 Resp: 178148

Ion Ratio Lower Upper

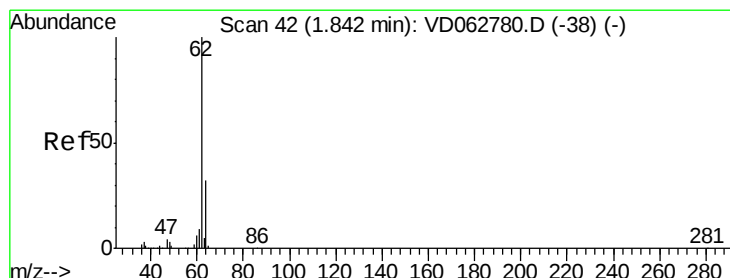
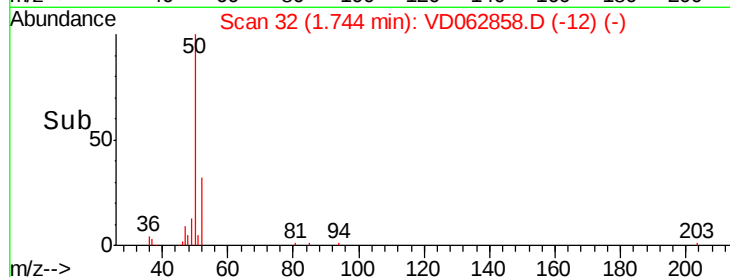
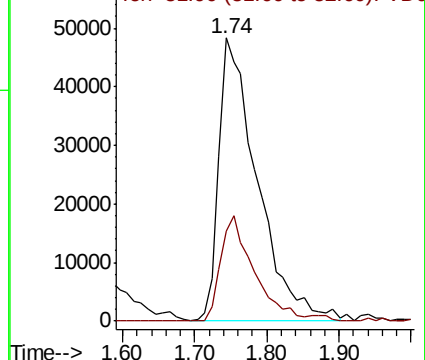
50 100

52 31.8 23.6 35.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 20.856 ug/l

RT: 1.84 min Scan# 42

Delta R.T. 0.00 min

Lab File: VD062858.D

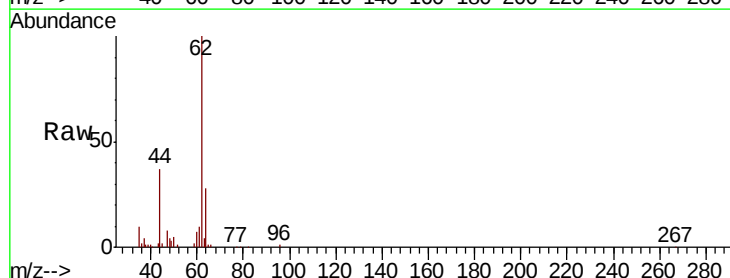
Acq: 25 Jun 2019 2:05

Tgt Ion: 62 Resp: 170645

Ion Ratio Lower Upper

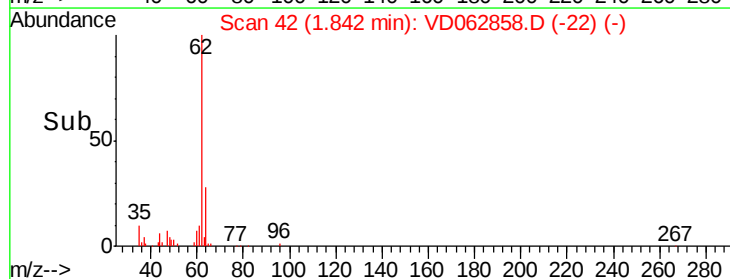
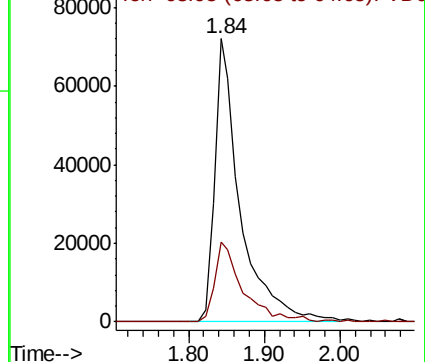
62 100

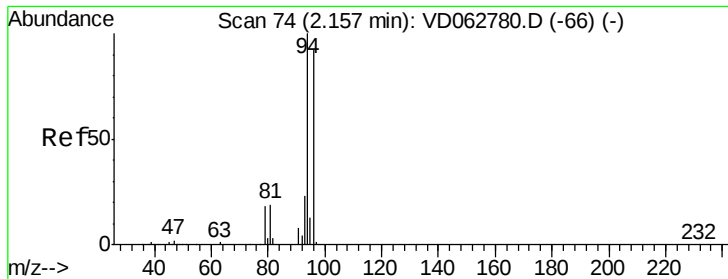
64 28.1 25.6 38.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 17.105 ug/l

RT: 2.15 min Scan# 73

Delta R.T. -0.01 min

Lab File: VD062858.D

Acq: 25 Jun 2019 2:05

Instrument :

MSVOA_D

ClientSampleId :

VD0624SBSD02

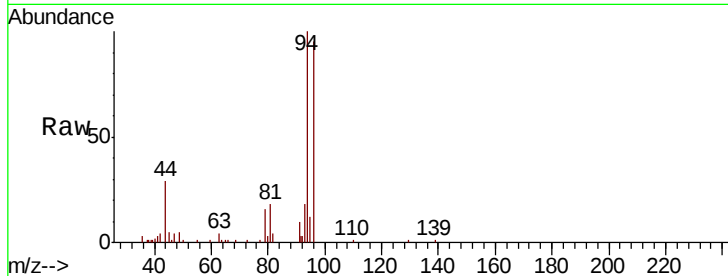
Tot Ion: 94 Resp: 65541

Ion Ratio Lower Upper

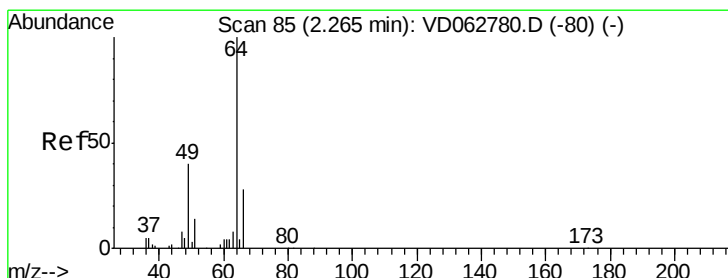
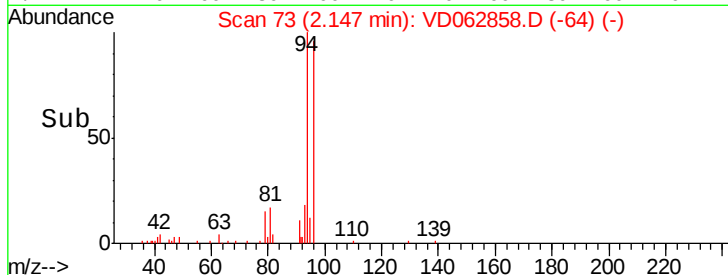
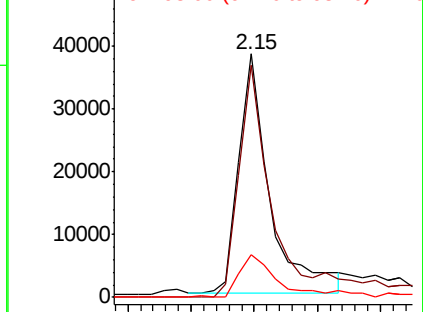
94 100

96 95.4 73.4 110.2

93 17.6 18.2 27.4#



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: 20.344 ug/l

RT: 2.26 min Scan# 84

Delta R.T. -0.01 min

Lab File: VD062858.D

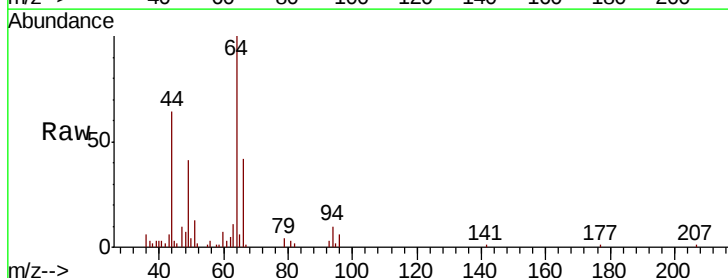
Acq: 25 Jun 2019 2:05

Tgt Ion: 64 Resp: 75358

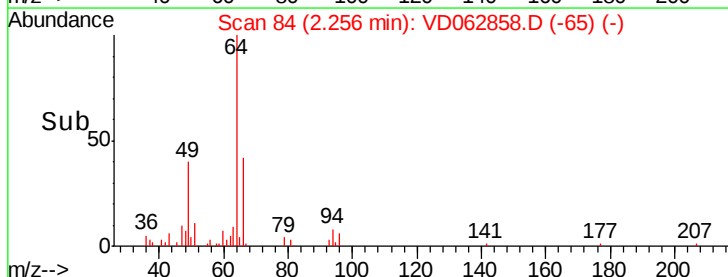
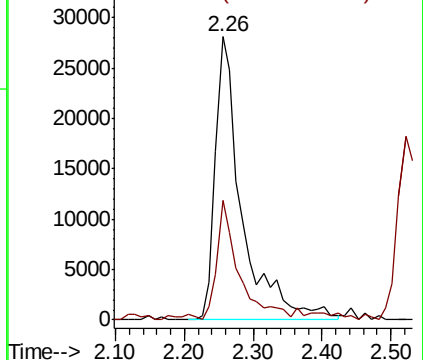
Ion Ratio Lower Upper

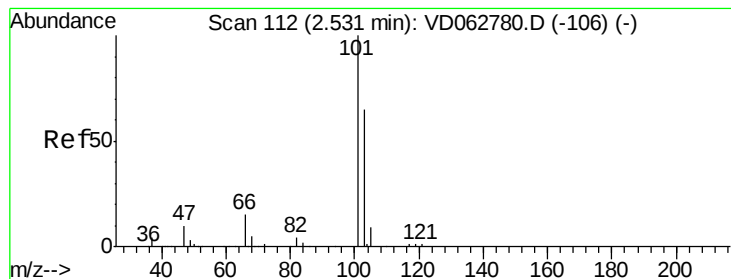
64 100

66 42.4 23.0 34.4#



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



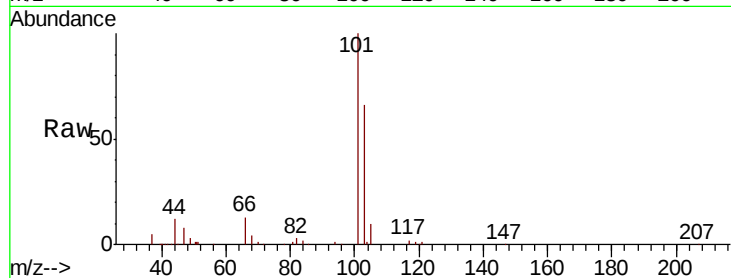


#7

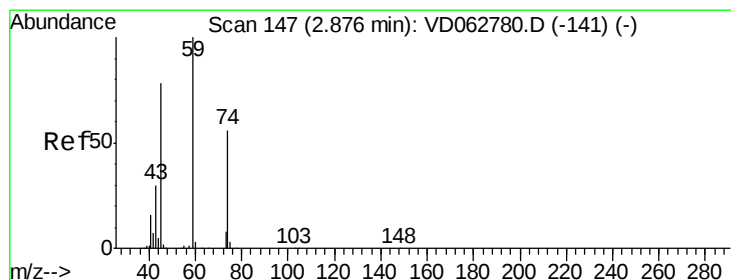
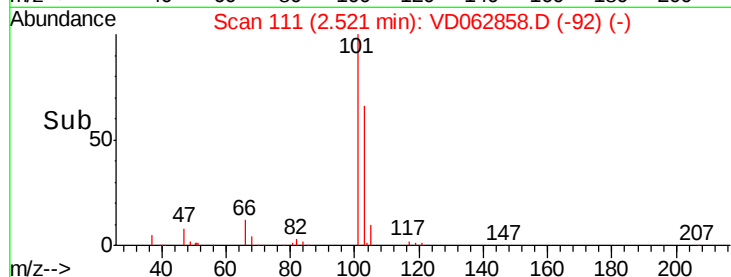
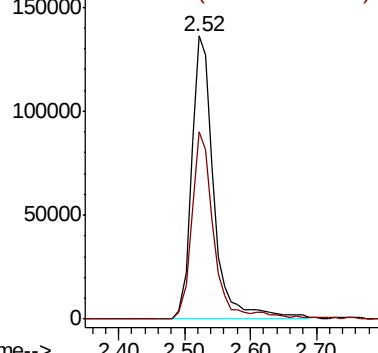
Trichlorofluoromethane
Concen: 19.351 ug/l
RT: 2.52 min Scan# 111
Delta R.T. -0.01 min
Lab File: VD062858.D
Acq: 25 Jun 2019 2:05

Instrument :
MSVOA_D
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VD0624SBSD02

Tot Ion:101 Resp: 320424
Ion Ratio Lower Upper
101 100
103 66.4 51.8 77.8



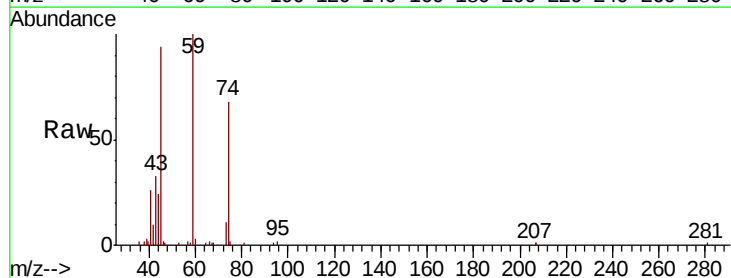
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



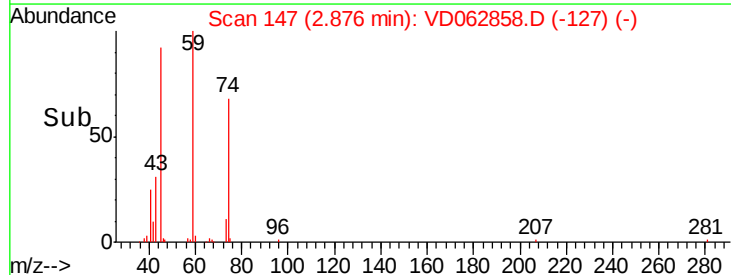
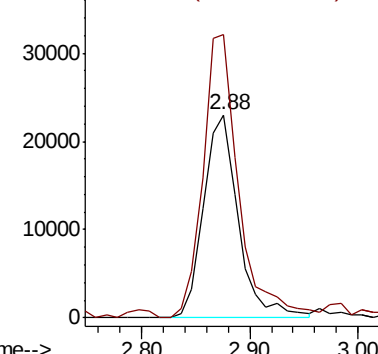
#8

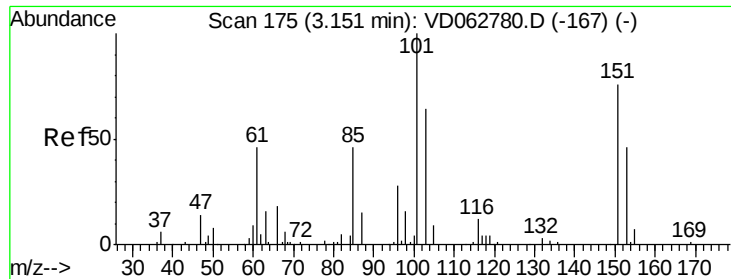
Diethyl Ether
Concen: 24.512 ug/l
RT: 2.88 min Scan# 147
Delta R.T. 0.00 min
Lab File: VD062858.D
Acq: 25 Jun 2019 2:05

Tgt Ion: 74 Resp: 51570
Ion Ratio Lower Upper
74 100
45 139.3 70.2 210.6



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.373 ug/l

RT: 3.14 min Scan# 174

Delta R.T. -0.01 min

Lab File: VD062858.D

Acq: 25 Jun 2019 2:05

Instrument :

MSVOA_D

ClientSampleId :

VD0624SBSD02

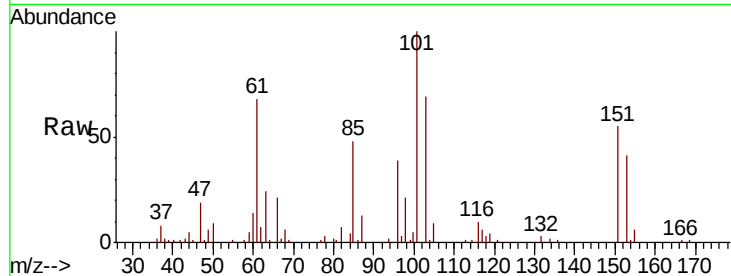
Tot Ion:101 Resp: 200696

Ion Ratio Lower Upper

101 100

85 47.7 37.0 55.4

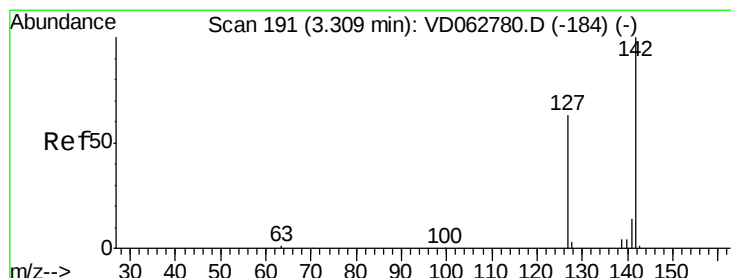
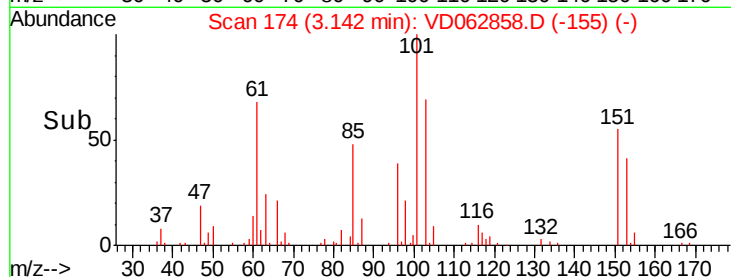
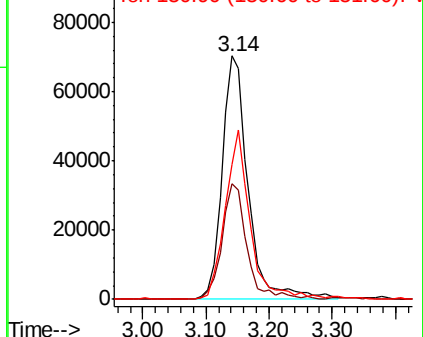
151 55.1 60.5 90.7#



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 19.011 ug/l

RT: 3.30 min Scan# 190

Delta R.T. -0.01 min

Lab File: VD062858.D

Acq: 25 Jun 2019 2:05

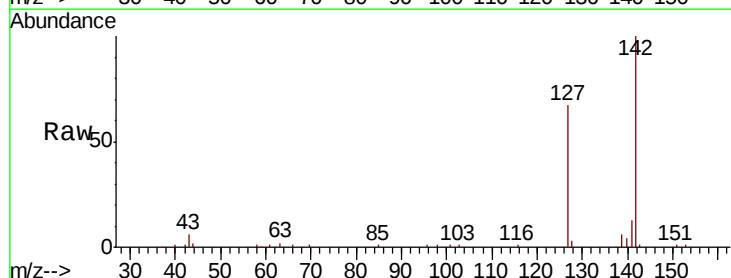
Tgt Ion:142 Resp: 224991

Ion Ratio Lower Upper

142 100

127 66.9 50.1 75.1

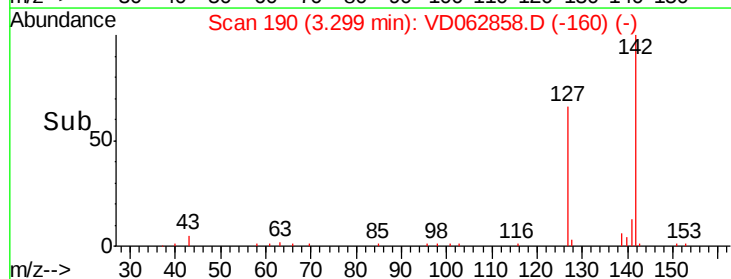
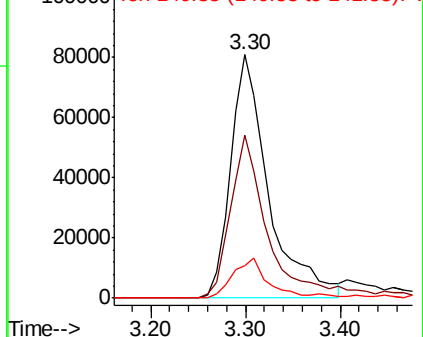
141 13.4 11.0 16.4

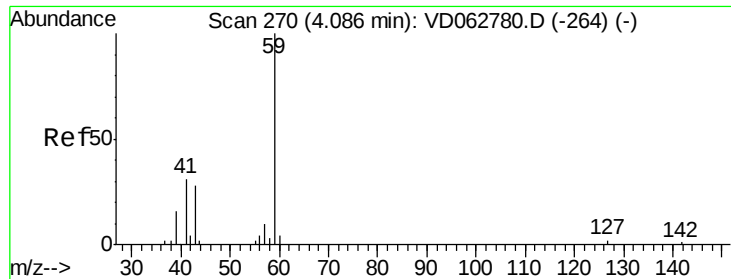


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



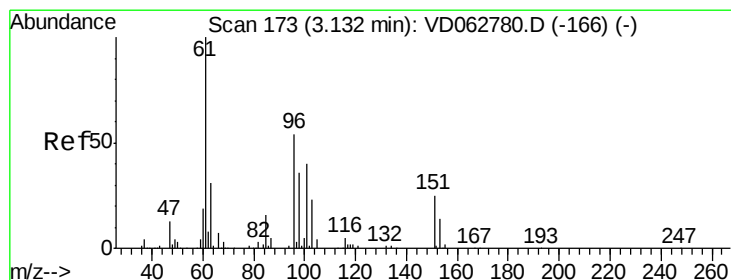
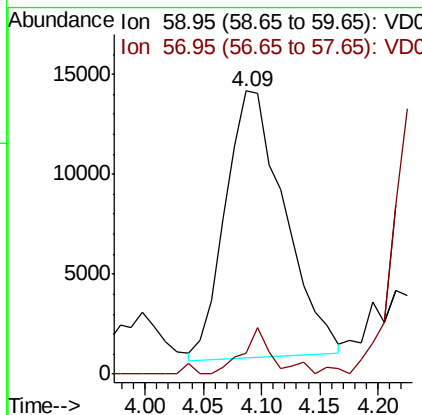
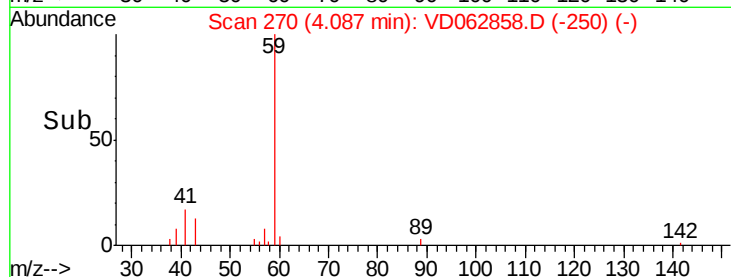
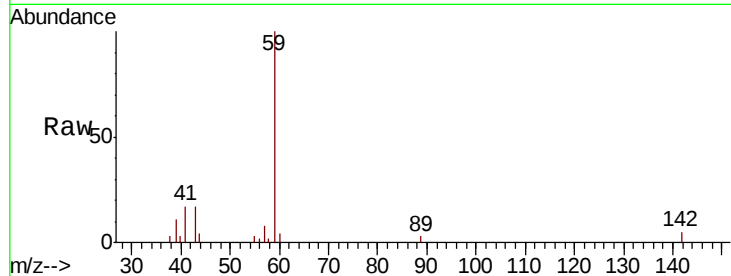


#11

Tert butyl alcohol
 Concen: 112.344 ug/l
 RT: 4.09 min Scan# 270
 Delta R.T. 0.00 min
 Lab File: VD062858.D
 Acq: 25 Jun 2019 2:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0624SBSD02

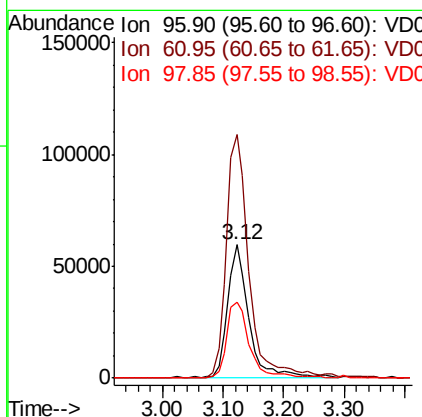
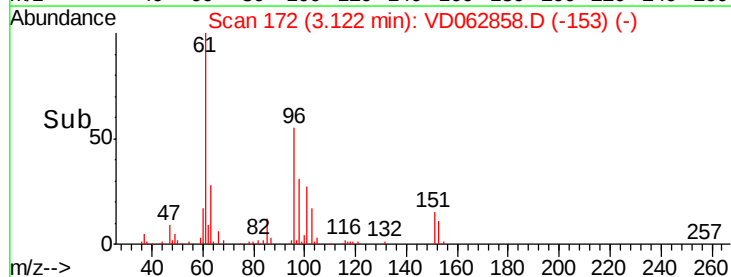
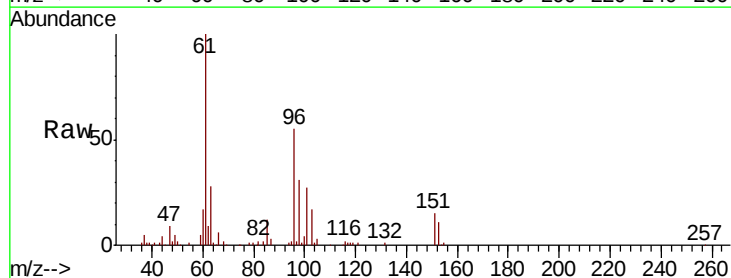
Tot Ion: 59 Resp: 47160
 Ion Ratio Lower Upper
 59 100
 57 7.6 6.6 10.0

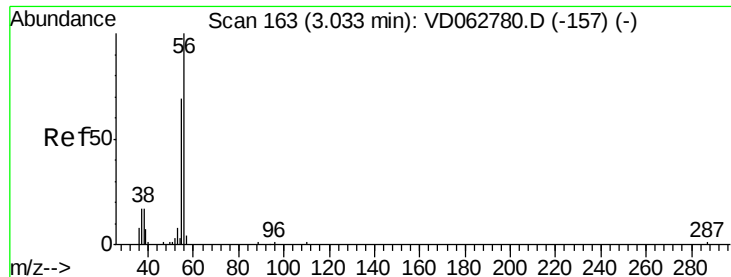


#12

1,1-Dichloroethene
 Concen: 21.973 ug/l
 RT: 3.12 min Scan# 172
 Delta R.T. -0.01 min
 Lab File: VD062858.D
 Acq: 25 Jun 2019 2:05

Tgt Ion: 96 Resp: 147866
 Ion Ratio Lower Upper
 96 100
 61 183.1 147.1 220.7
 98 57.3 52.6 79.0





#13

Acrolein

Concen: 78.059 ug/l

RT: 3.04 min Scan# 164

Delta R.T. 0.01 min

Lab File: VD062858.D

Acq: 25 Jun 2019 2:05

Instrument :

MSVOA_D

ClientSampleId :

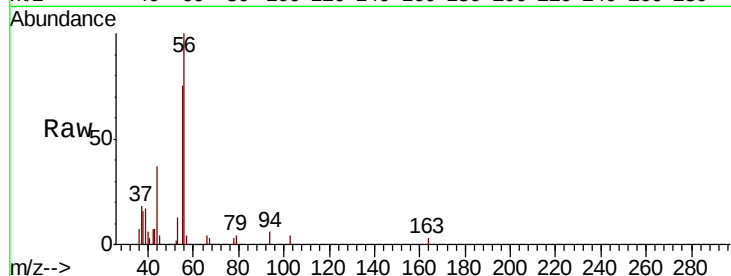
VD0624SBS02

Tot Ion: 56 Resp: 33452

Ion Ratio Lower Upper

56 100

55 74.7 55.4 83.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

15000

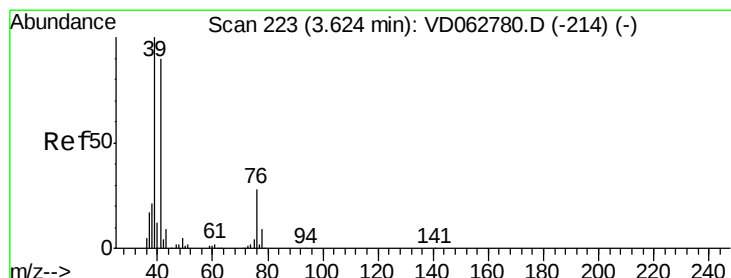
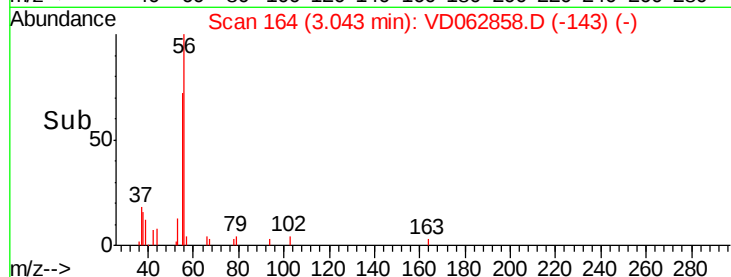
10000

5000

0

3.00 3.10

Time-->



#14

Allyl chloride

Concen: 21.499 ug/l

RT: 3.62 min Scan# 223

Delta R.T. 0.00 min

Lab File: VD062858.D

Acq: 25 Jun 2019 2:05

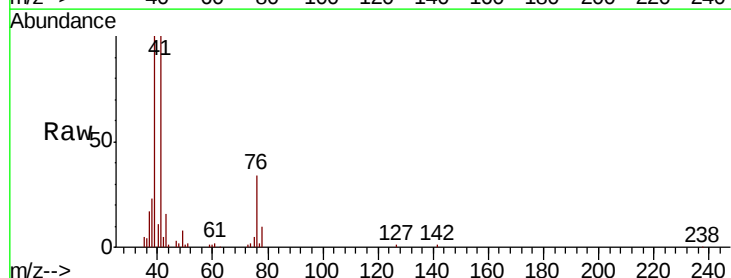
Tgt Ion: 41 Resp: 213771

Ion Ratio Lower Upper

41 100

39 99.8 88.8 133.2

76 33.9 26.7 40.1



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

100000

80000

60000

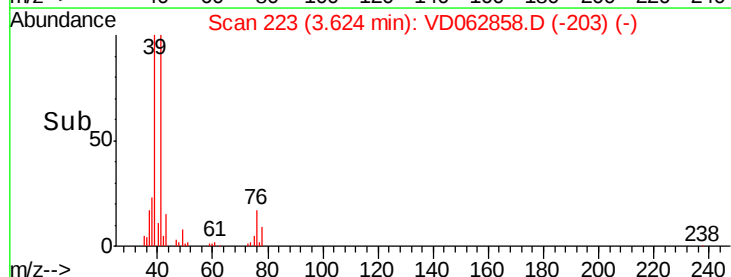
40000

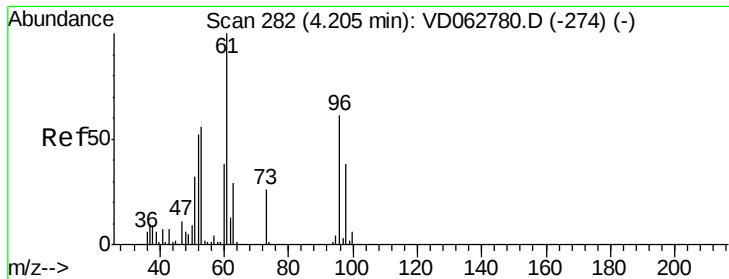
20000

0

3.50 3.60 3.70 3.80

Time-->





#15

Acrylonitrile

Concen: 124.537 ug/l

RT: 4.20 min Scan# 282

Delta R.T. 0.00 min

Lab File: VD062858.D

Acq: 25 Jun 2019 2:05

Instrument :

MSVOA_D

ClientSampleId :

VD0624SBSD02

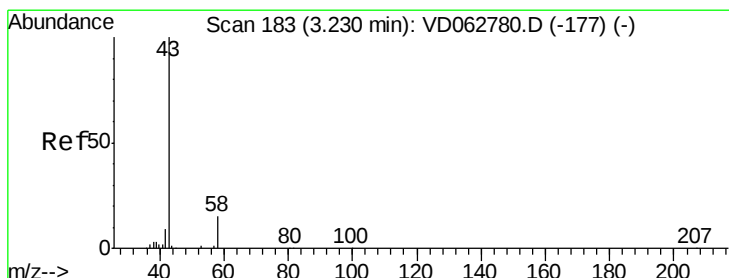
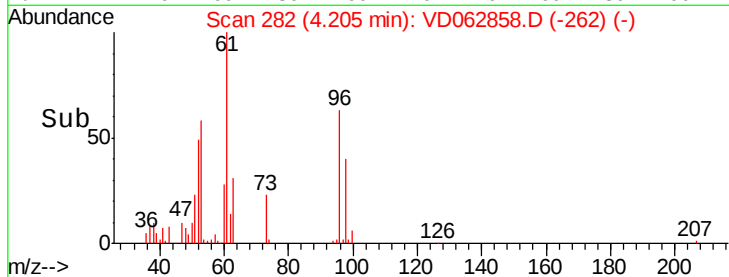
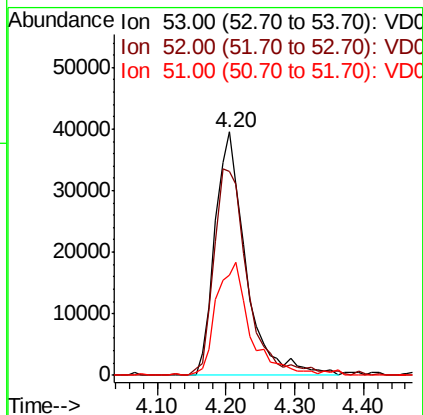
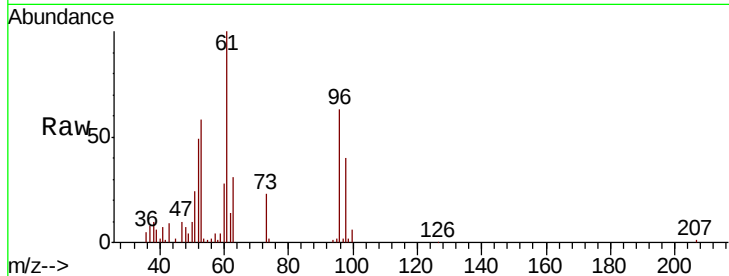
Tot Ion: 53 Resp: 122840

Ion Ratio Lower Upper

53 100

52 84.0 73.3 109.9

51 41.2 44.8 67.2#



#16

Acetone

Concen: 93.569 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD062858.D

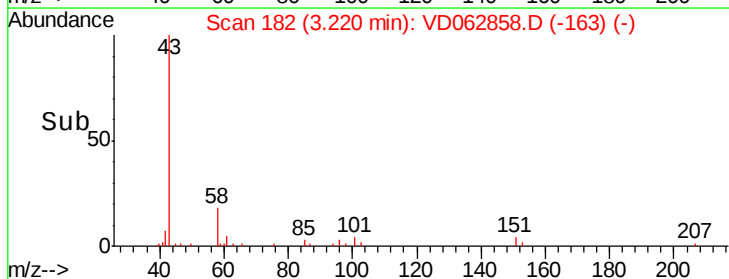
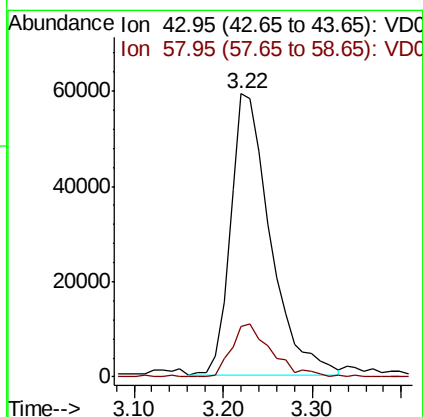
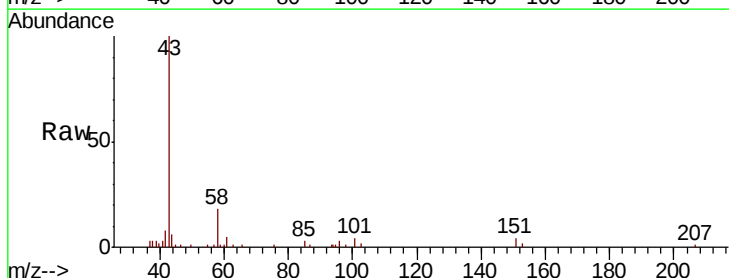
Acq: 25 Jun 2019 2:05

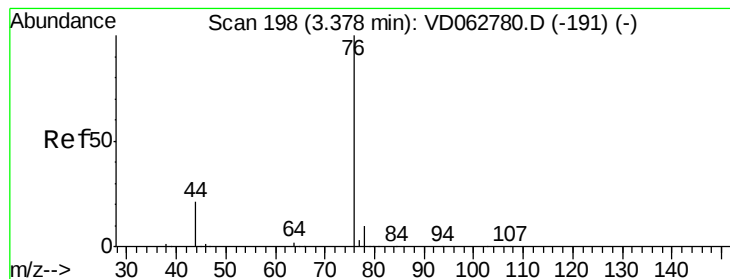
Tgt Ion: 43 Resp: 183073

Ion Ratio Lower Upper

43 100

58 17.7 11.9 17.9





#17

Carbon Disulfide

Concen: 19.893 ug/l

RT: 3.37 min Scan# 197

Delta R.T. -0.01 min

Lab File: VD062858.D

Acq: 25 Jun 2019 2:05

Instrument :

MSVOA_D

ClientSampleId :

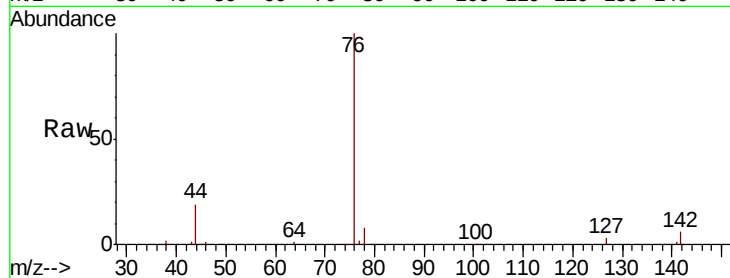
VD0624SBS02

Tot Ion: 76 Resp: 427848

Ion Ratio Lower Upper

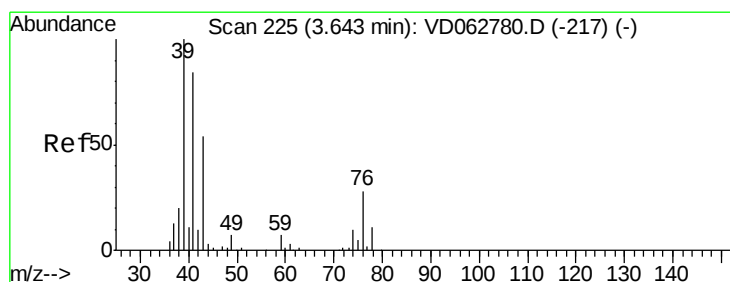
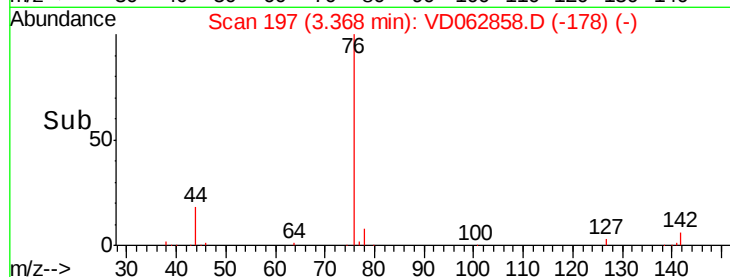
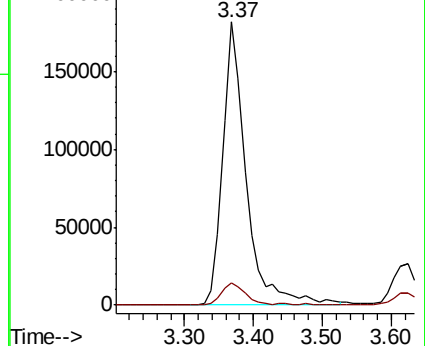
76 100

78 7.9 8.0 12.0#



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 33.177 ug/l

RT: 3.64 min Scan# 225

Delta R.T. 0.00 min

Lab File: VD062858.D

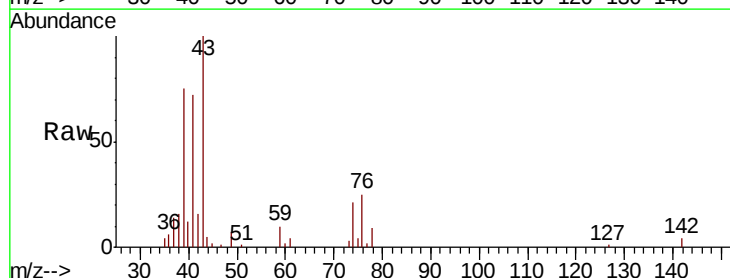
Acq: 25 Jun 2019 2:05

Tgt Ion: 43 Resp: 92310

Ion Ratio Lower Upper

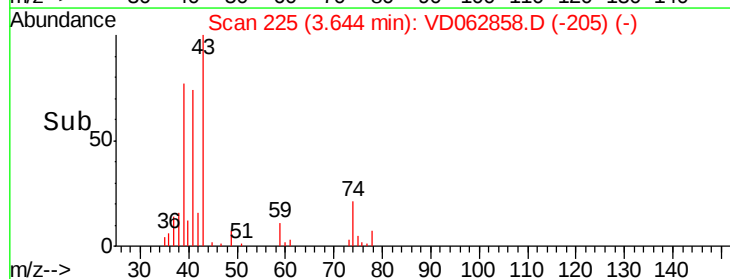
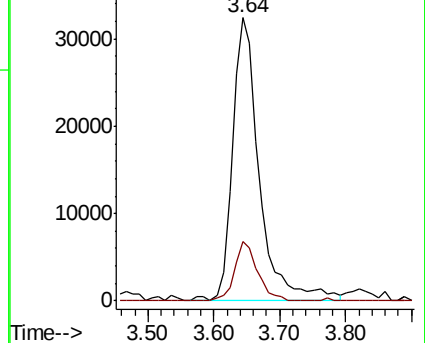
43 100

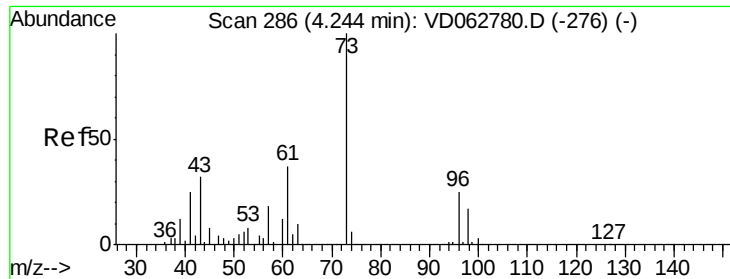
74 21.0 15.2 22.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



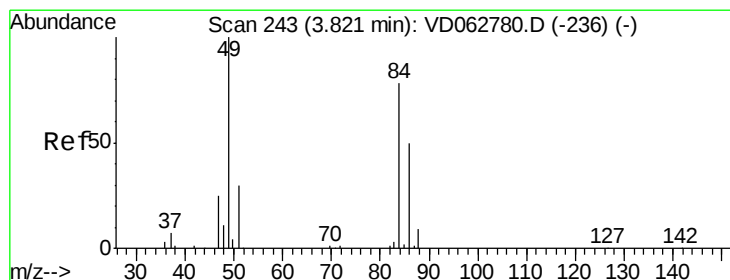
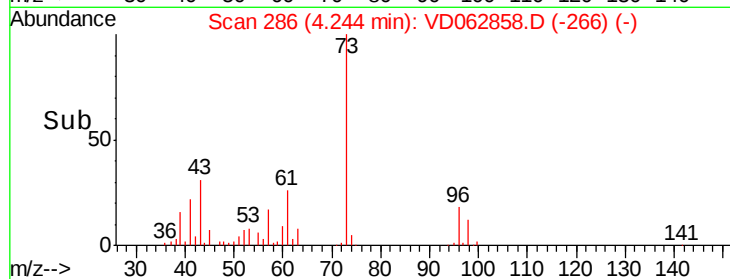
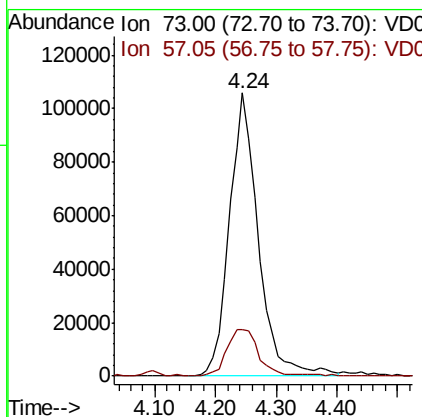
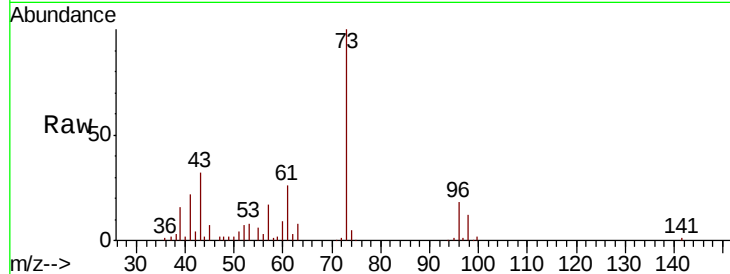


#19

Methyl tert-butyl Ether
 Concen: 24.097 ug/l
 RT: 4.24 min Scan# 286
 Delta R.T. 0.00 min
 Lab File: VD062858.D
 Acq: 25 Jun 2019 2:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0624SBS02

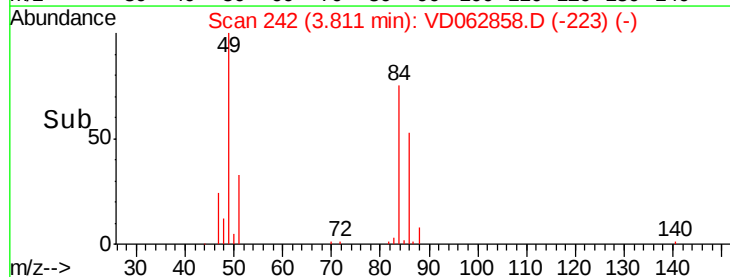
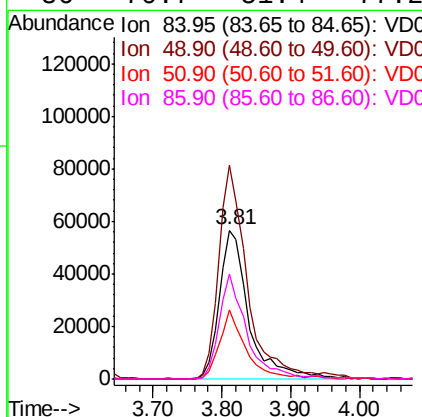
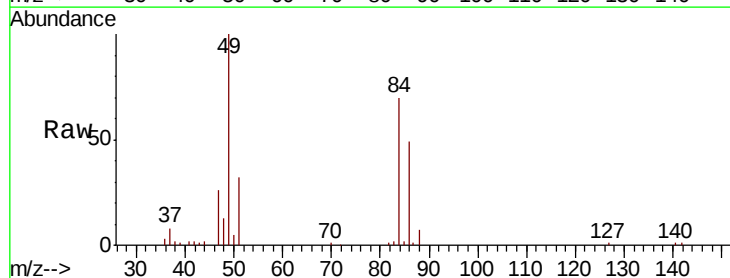
Tot Ion: 73 Resp: 351049
 Ion Ratio Lower Upper
 73 100
 57 16.6 14.3 21.5



#20

Methylene Chloride
 Concen: 23.775 ug/l
 RT: 3.81 min Scan# 242
 Delta R.T. -0.01 min
 Lab File: VD062858.D
 Acq: 25 Jun 2019 2:05

Tgt Ion: 84 Resp: 167123
 Ion Ratio Lower Upper
 84 100
 49 143.6 102.9 154.3
 51 46.2 31.2 46.8
 86 70.7 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 21.902 ug/l

RT: 4.21 min Scan# 283

Delta R.T. -0.01 min

Lab File: VD062858.D

Acq: 25 Jun 2019 2:05

Instrument :

MSVOA_D

ClientSampleId :

VD0624SBSD02

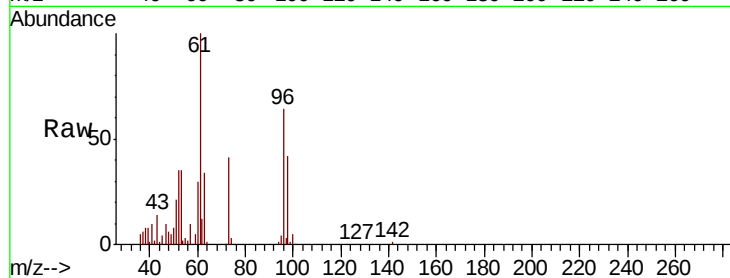
Tot Ion: 96 Resp: 156937

Ion Ratio Lower Upper

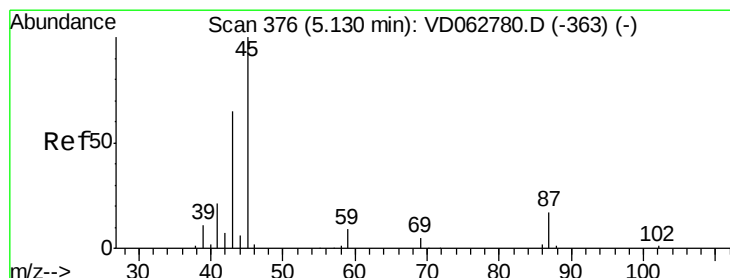
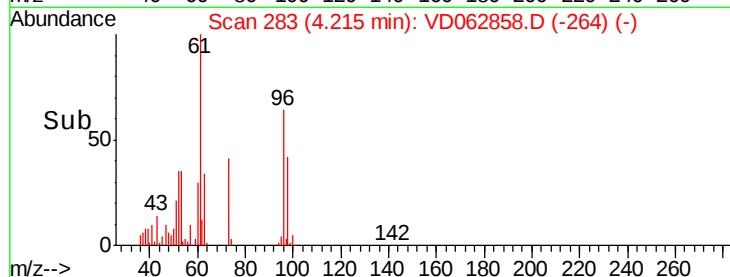
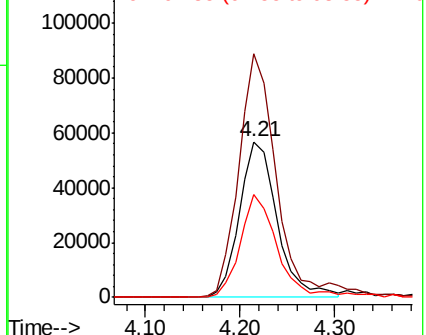
96 100

61 156.2 131.0 196.4

98 65.6 53.2 79.8



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: 24.498 ug/l

RT: 5.13 min Scan# 376

Delta R.T. 0.00 min

Lab File: VD062858.D

Acq: 25 Jun 2019 2:05

Tgt Ion: 45 Resp: 495387

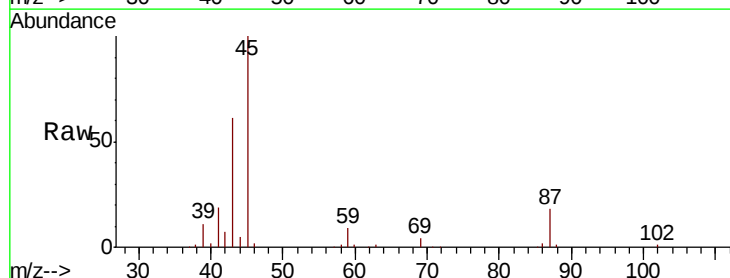
Ion Ratio Lower Upper

45 100

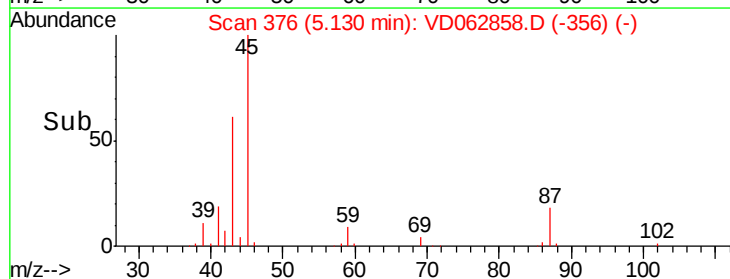
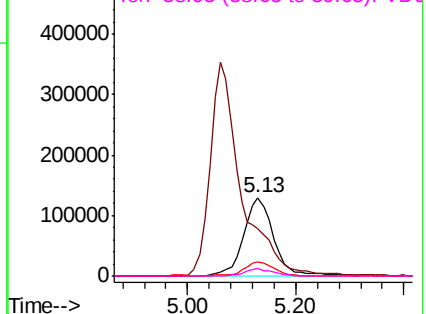
43 60.8 53.4 80.0

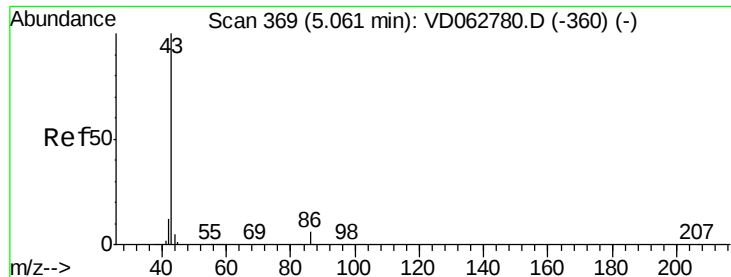
87 18.5 14.6 22.0

59 9.2 7.8 11.8



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: 109.214 ug/l

RT: 5.06 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD062858.D

Acq: 25 Jun 2019 2:05

Instrument :

MSVOA_D

ClientSampleId :

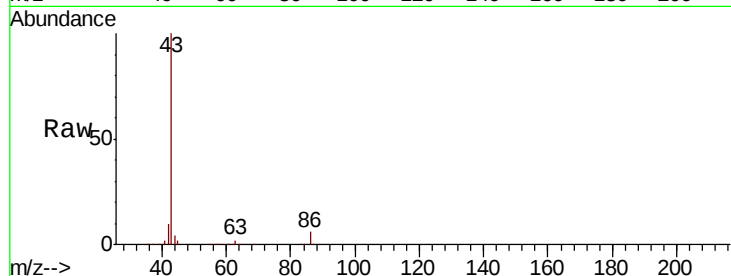
VD0624SBSD02

Tot Ion: 43 Resp: 1381962

Ion Ratio Lower Upper

43 100

86 5.7 4.7 7.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.06

400000

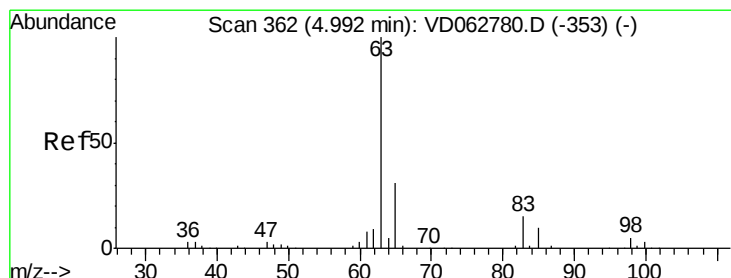
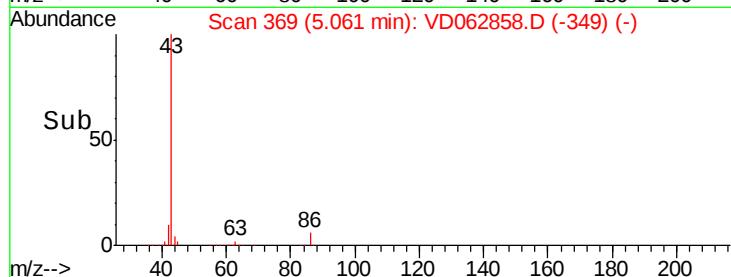
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 21.902 ug/l

RT: 4.99 min Scan# 362

Delta R.T. 0.00 min

Lab File: VD062858.D

Acq: 25 Jun 2019 2:05

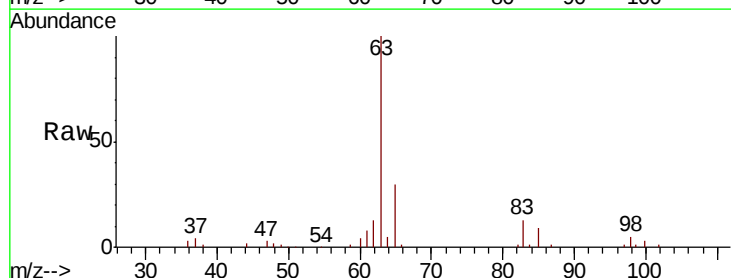
Tgt Ion: 63 Resp: 288360

Ion Ratio Lower Upper

63 100

98 5.9 2.3 6.9

100 3.3 1.7 5.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

100000

80000

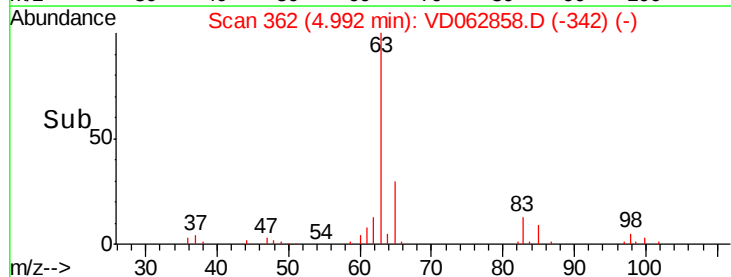
60000

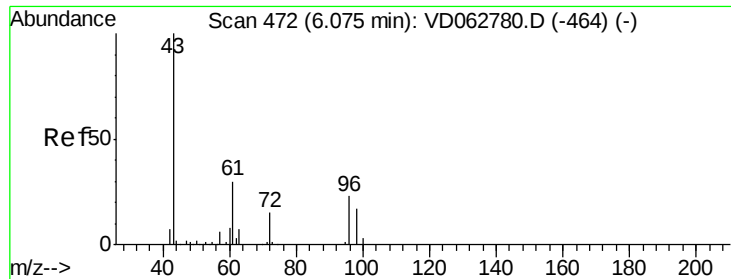
40000

20000

0

Time-->





#25

2-Butanone

Concen: 121.423 ug/l

RT: 6.09 min Scan# 473

Delta R.T. 0.01 min

Lab File: VD062858.D

Acq: 25 Jun 2019 2:05

Instrument :

MSVOA_D

ClientSampleId :

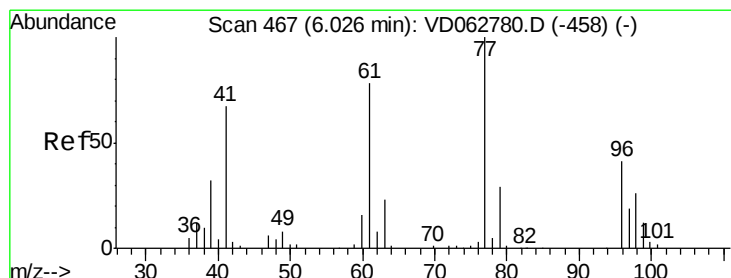
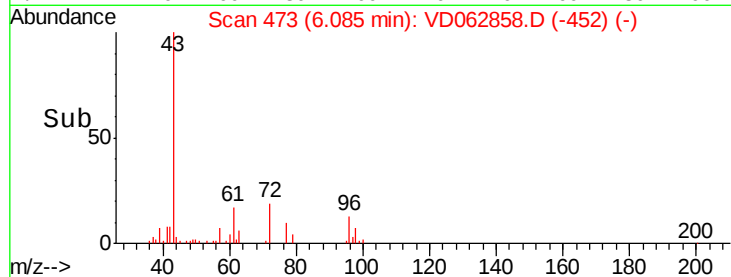
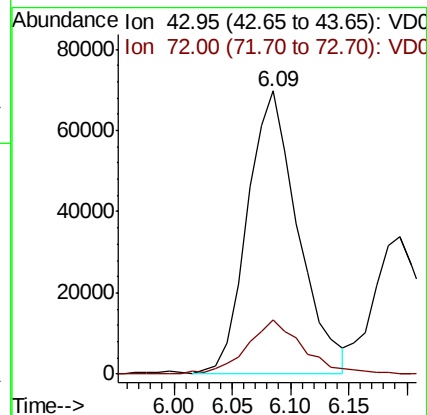
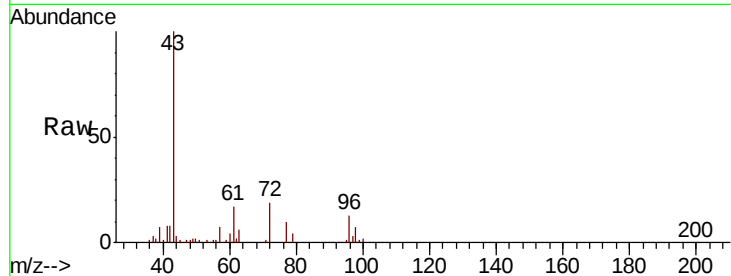
VD0624SBSD02

Tot Ion: 43 Resp: 209315

Ion Ratio Lower Upper

43 100

72 18.9 11.9 17.9#



#26

2,2-Dichloropropane

Concen: 18.962 ug/l

RT: 6.03 min Scan# 467

Delta R.T. 0.00 min

Lab File: VD062858.D

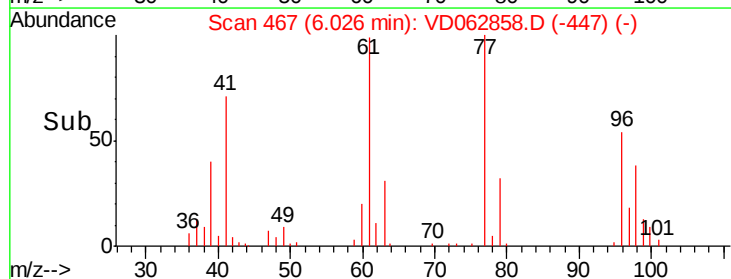
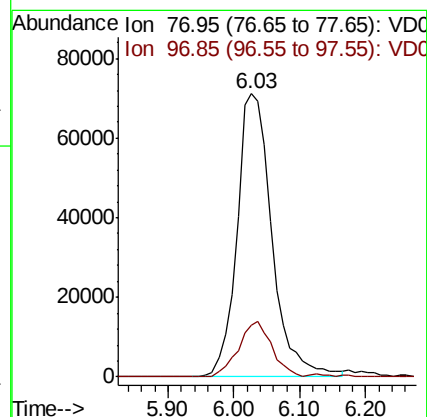
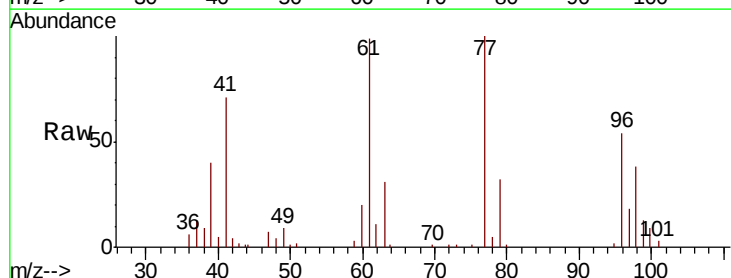
Acq: 25 Jun 2019 2:05

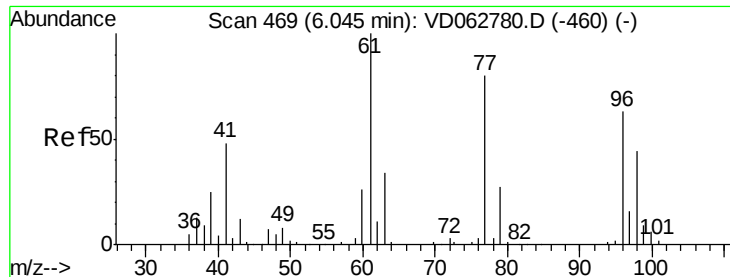
Tgt Ion: 77 Resp: 264617

Ion Ratio Lower Upper

77 100

97 18.5 9.5 28.5



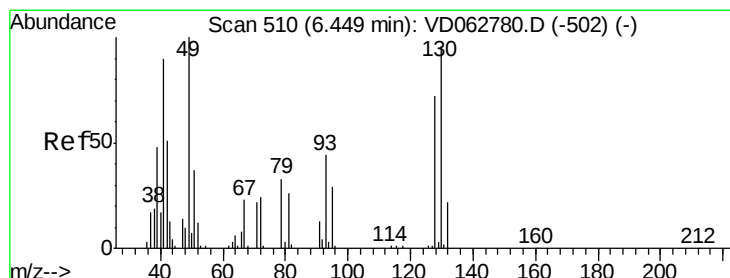
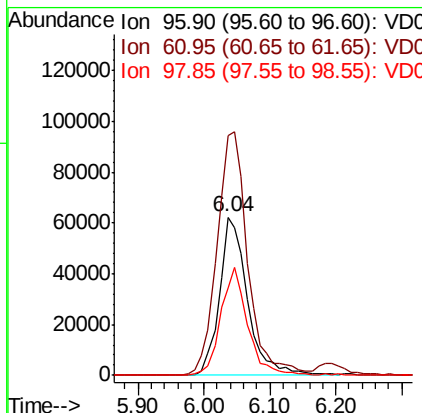
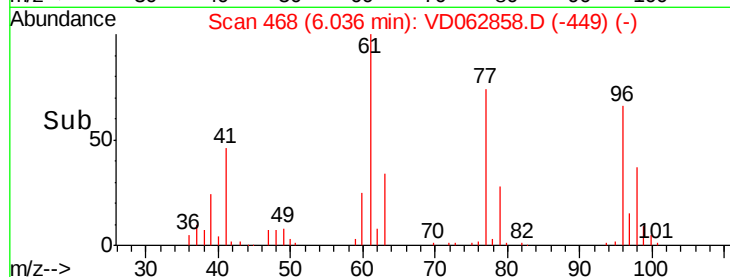
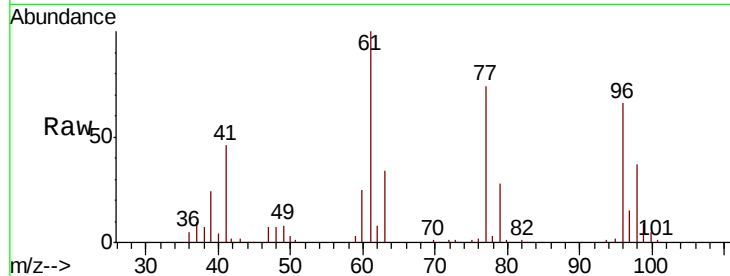


#27

cis-1,2-Dichloroethene
 Concen: 24.581 ug/l
 RT: 6.04 min Scan# 468
 Delta R.T. -0.01 min
 Lab File: VD062858.D
 Acq: 25 Jun 2019 2:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0624SBSD02

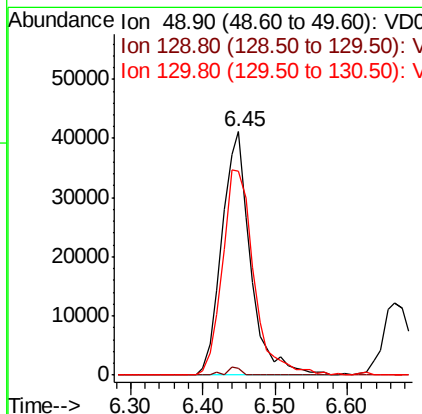
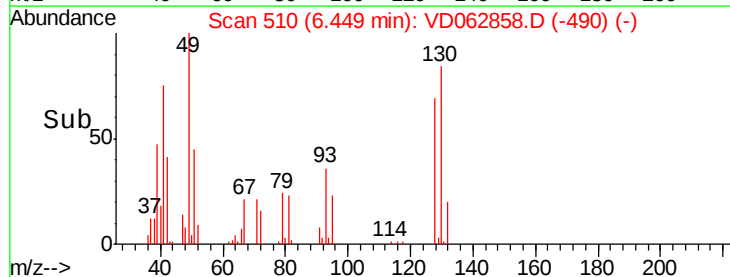
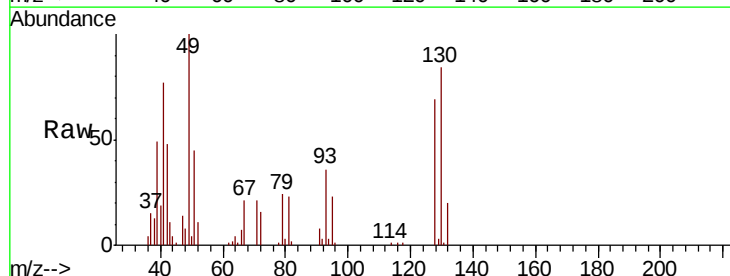
Tot Ion: 96 Resp: 186263
 Ion Ratio Lower Upper
 96 100
 61 151.6 0.0 316.0
 98 55.6 0.0 138.4

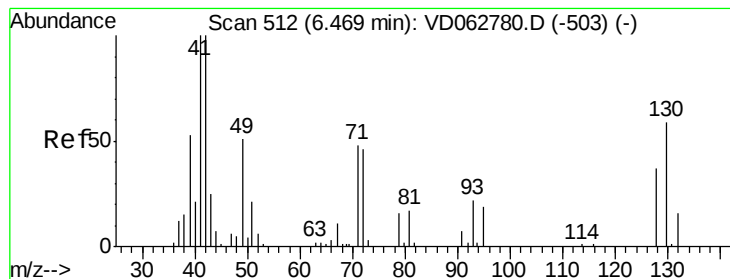


#28

Bromochloromethane
 Concen: 24.365 ug/l
 RT: 6.45 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VD062858.D
 Acq: 25 Jun 2019 2:05

Tgt Ion: 49 Resp: 112982
 Ion Ratio Lower Upper
 49 100
 129 2.6 0.0 5.6
 130 83.9 76.6 114.8





#29

Tetrahydrofuran

Concen: 125.354 ug/l

RT: 6.48 min Scan# 513

Delta R.T. 0.01 min

Lab File: VD062858.D

Acq: 25 Jun 2019 2:05

Instrument :

MSVOA_D

ClientSampleId :

VD0624SBS02

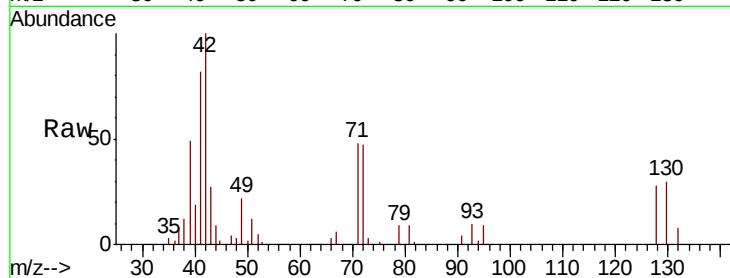
Tot Ion: 42 Resp: 102241

Ion Ratio Lower Upper

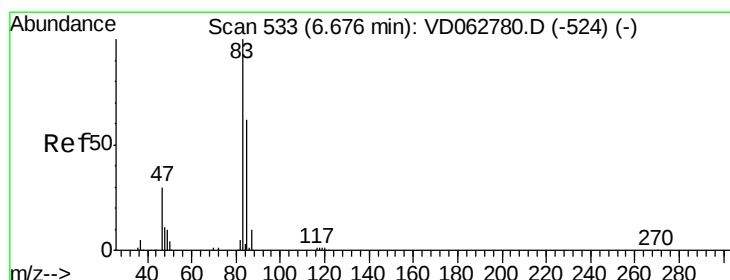
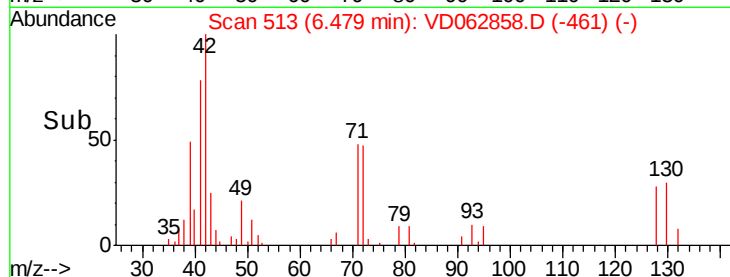
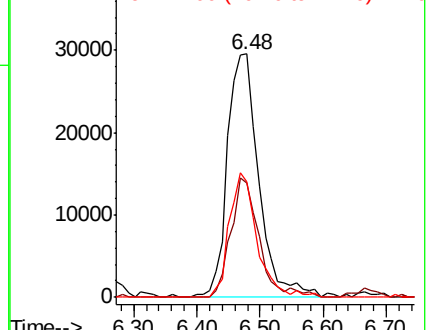
42 100

72 44.0 35.0 52.6

71 44.9 33.3 49.9



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



#30

Chloroform

Concen: 22.133 ug/l

RT: 6.68 min Scan# 533

Delta R.T. 0.00 min

Lab File: VD062858.D

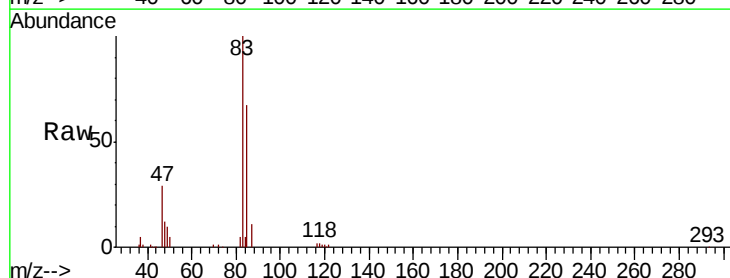
Acq: 25 Jun 2019 2:05

Tgt Ion: 83 Resp: 354397

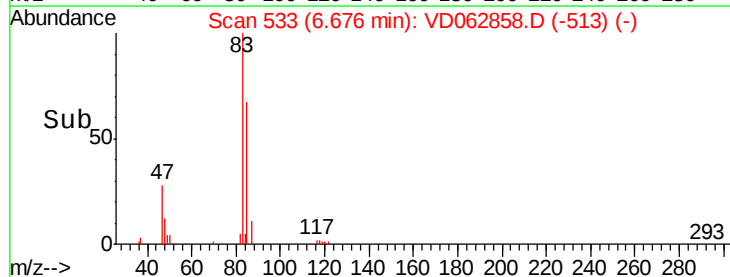
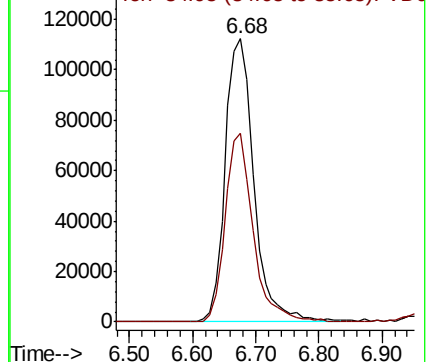
Ion Ratio Lower Upper

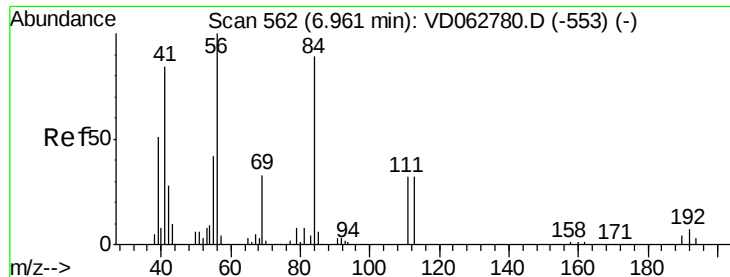
83 100

85 66.6 49.8 74.6



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

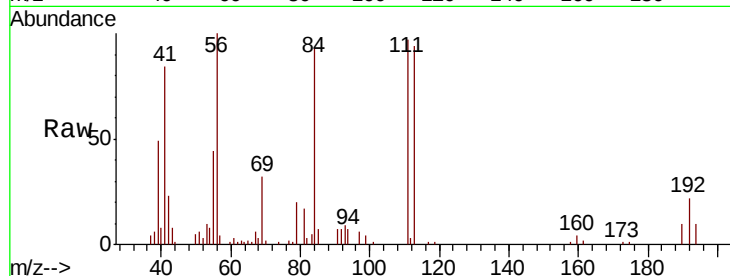




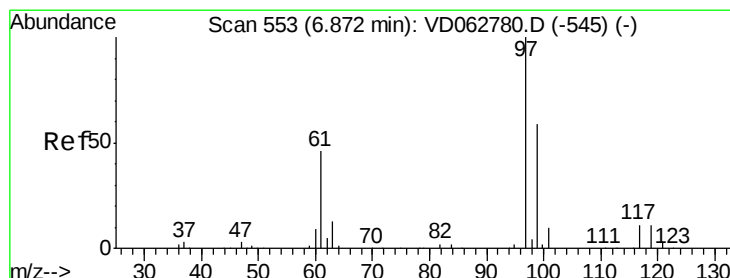
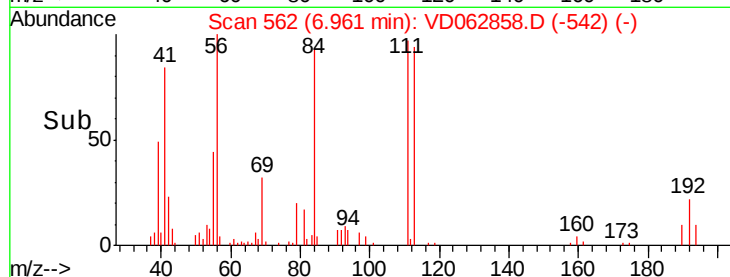
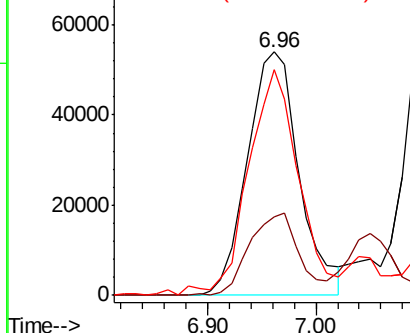
#31
Cyclohexane
Concen: 20.696 ug/l
RT: 6.96 min Scan# 562
Delta R.T. 0.00 min
Lab File: VD062858.D
Acq: 25 Jun 2019 2:05

Instrument :
MSVOA_D
ClientSampleId :
VD0624SBSD02

Tot Ion: 56 Resp: 179129
Ion Ratio Lower Upper
56 100
69 32.4 26.6 39.8
84 92.9 75.5 113.3

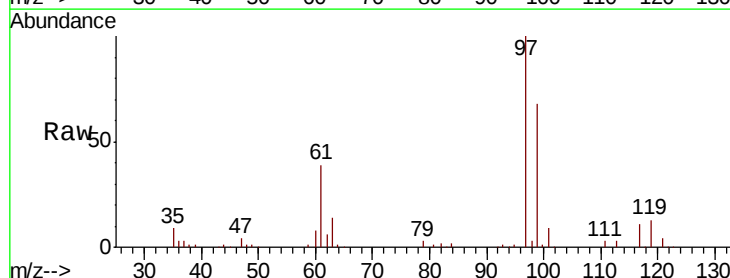


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

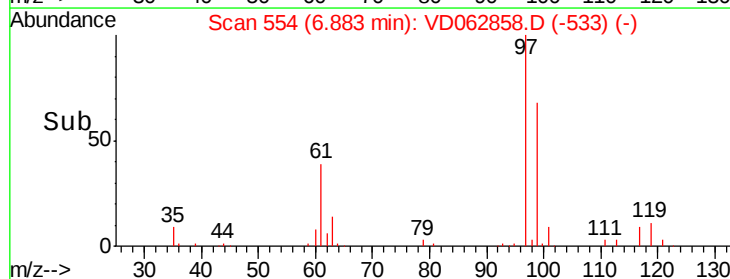
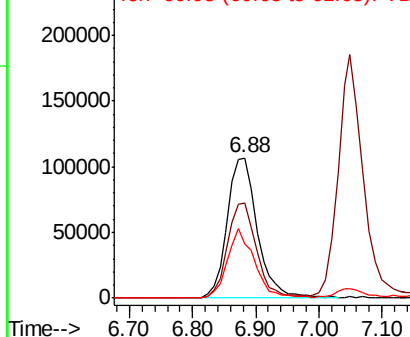


#32
1,1,1-Trichloroethane
Concen: 21.131 ug/l
RT: 6.88 min Scan# 554
Delta R.T. 0.01 min
Lab File: VD062858.D
Acq: 25 Jun 2019 2:05

Tgt Ion: 97 Resp: 352408
Ion Ratio Lower Upper
97 100
99 68.3 47.4 71.2
61 38.6 37.2 55.8



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: 55.735 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.00 min

Lab File: VD062858.D

Acq: 25 Jun 2019 2:05

Instrument :

MSVOA_D

ClientSampleId :

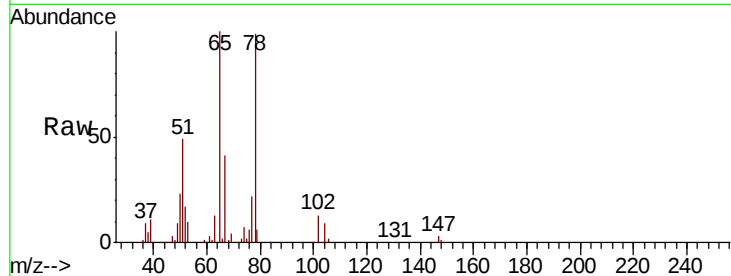
VD0624SBSD02

Tot Ion: 65 Resp: 513703

Ion Ratio Lower Upper

65 100

67 41.4 0.0 87.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.46

200000

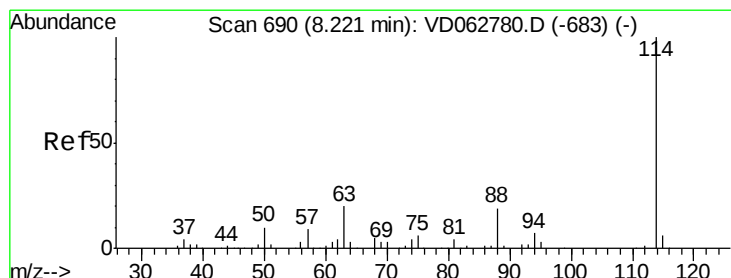
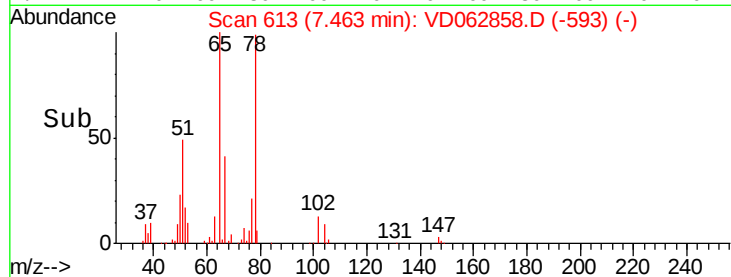
150000

100000

50000

0

Time--> 7.30 7.40 7.50 7.60



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. 0.00 min

Lab File: VD062858.D

Acq: 25 Jun 2019 2:05

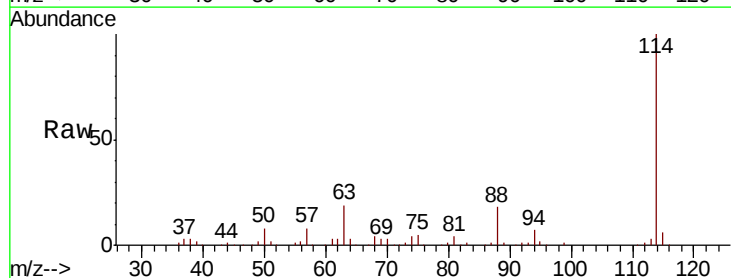
Tgt Ion: 114 Resp: 1226855

Ion Ratio Lower Upper

114 100

63 19.1 0.0 40.0

88 17.7 0.0 38.8



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.22

600000

500000

400000

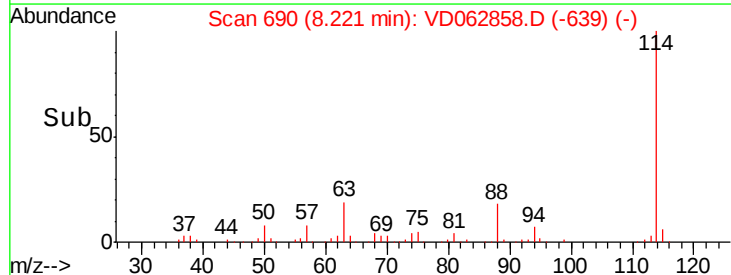
300000

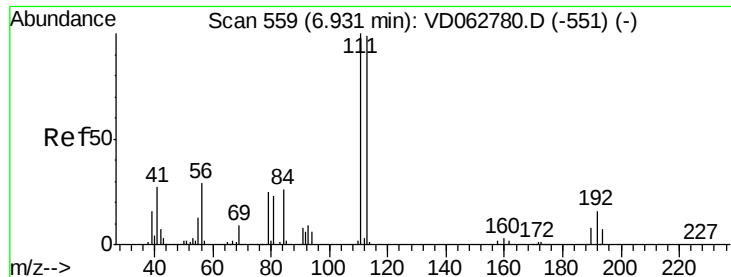
200000

100000

0

Time--> 8.10 8.20 8.30 8.40 8.50





#35

Dibromofluoromethane

Concen: 52.638 ug/l

RT: 6.93 min Scan# 559

Delta R.T. 0.00 min

Lab File: VD062858.D

Acq: 25 Jun 2019 2:05

Instrument :

MSVOA_D

ClientSampleId :

VD0624SBSD02

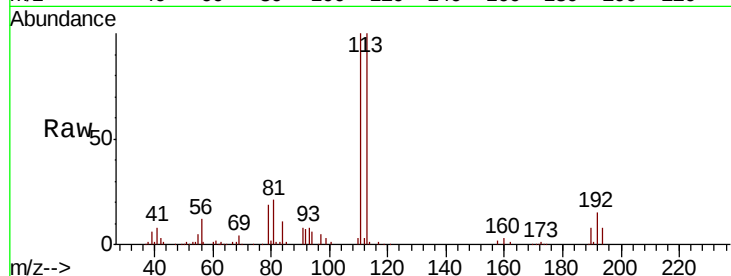
Tot Ion:113 Resp: 544526

Ion Ratio Lower Upper

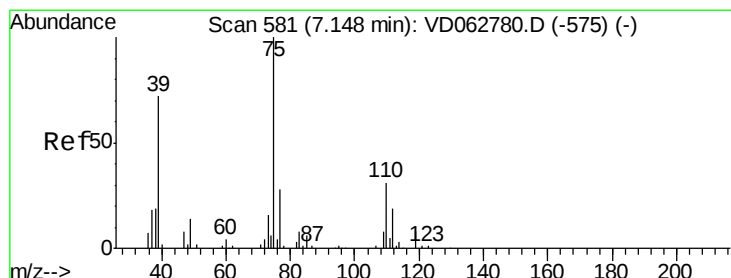
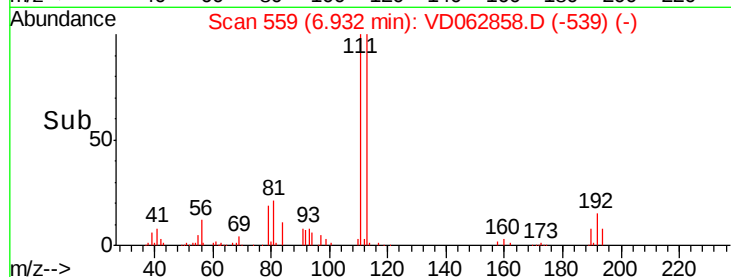
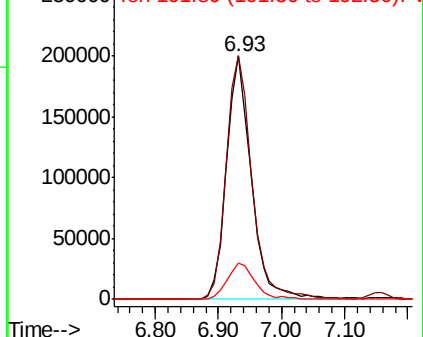
113 100

111 100.1 81.2 121.8

192 15.1 12.9 19.3



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



#36

1,1-Dichloropropene

Concen: 19.907 ug/l

RT: 7.15 min Scan# 581

Delta R.T. 0.00 min

Lab File: VD062858.D

Acq: 25 Jun 2019 2:05

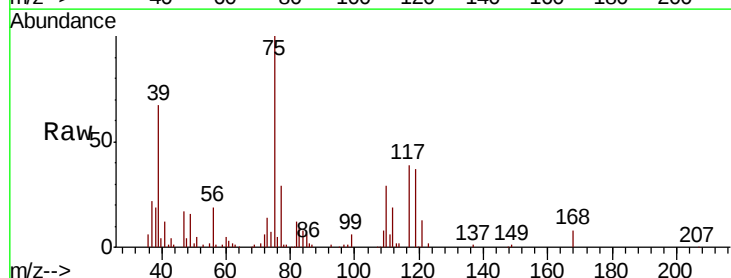
Tgt Ion: 75 Resp: 231197

Ion Ratio Lower Upper

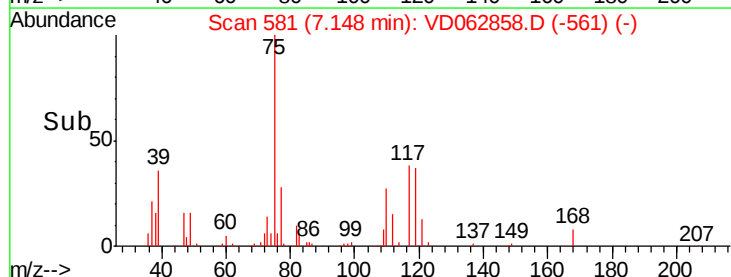
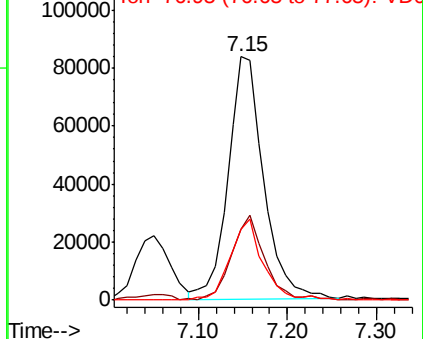
75 100

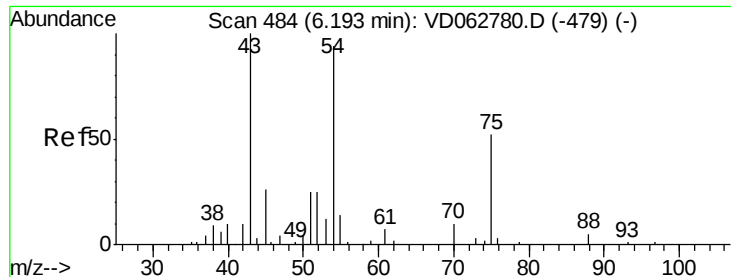
110 29.3 15.0 45.1

77 29.1 22.2 33.2



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

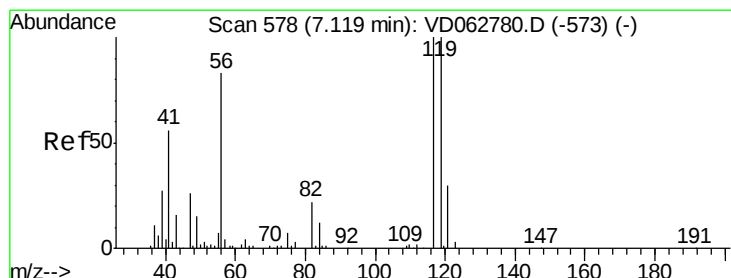
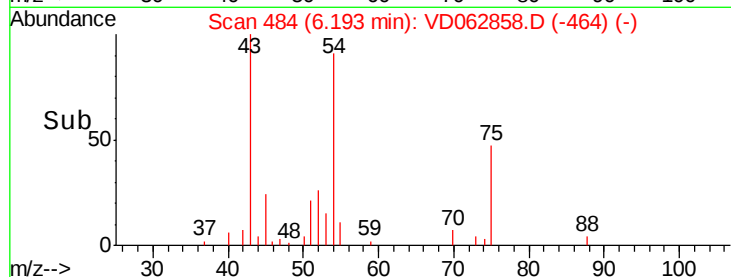
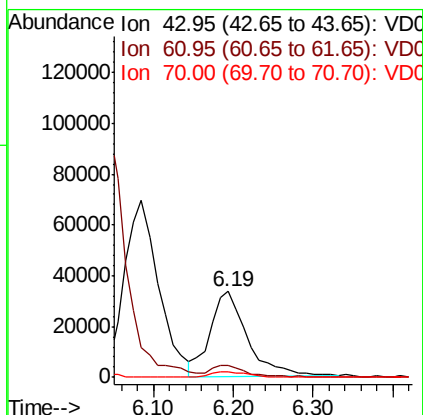
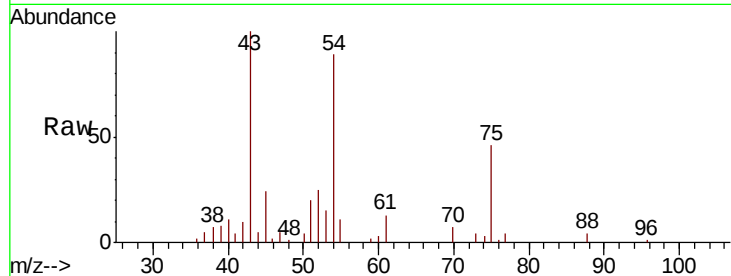




#37
Ethyl Acetate
Concen: 22.028 ug/l
RT: 6.19 min Scan# 484
Delta R.T. 0.00 min
Lab File: VD062858.D
Acq: 25 Jun 2019 2:05

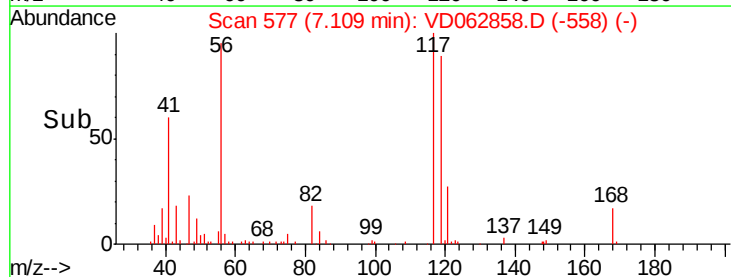
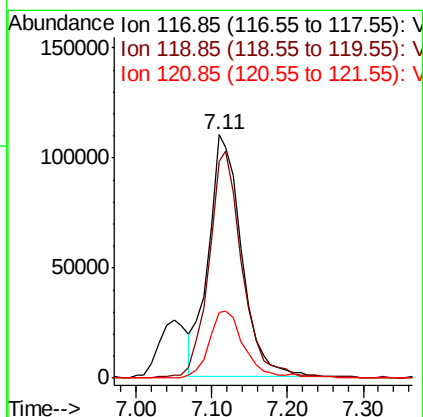
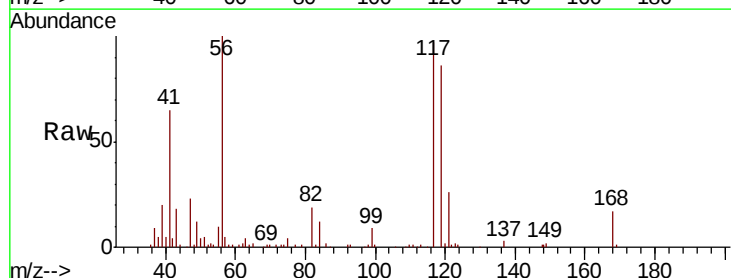
Instrument :
MSVOA_D
ClientSampleId :
VD0624SBS02

Tot Ion: 43 Resp: 110475
Ion Ratio Lower Upper
43 100
61 13.2 11.6 17.4
70 7.0 6.4 9.6



#38
Carbon Tetrachloride
Concen: 19.308 ug/l
RT: 7.11 min Scan# 577
Delta R.T. -0.01 min
Lab File: VD062858.D
Acq: 25 Jun 2019 2:05

Tgt Ion: 117 Resp: 337248
Ion Ratio Lower Upper
117 100
119 89.0 75.4 113.2
121 27.2 22.3 33.5





#39

Methvlcvclohexane

Concen: 19.558 ug/l

RT: 8.87 min Scan# 756

Delta R.T. 0.00 min

Lab File: VD062858.D

Acq: 25 Jun 2019 2:05

Instrument :

MSVOA_D

ClientSampleId :

VD0624SBSD02

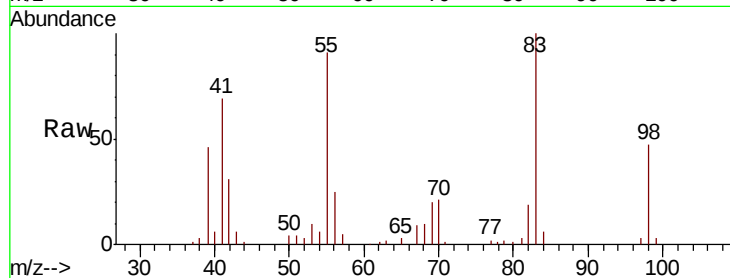
Tot Ion: 83 Resp: 199939

Ion Ratio Lower Upper

83 100

55 91.1 76.6 115.0

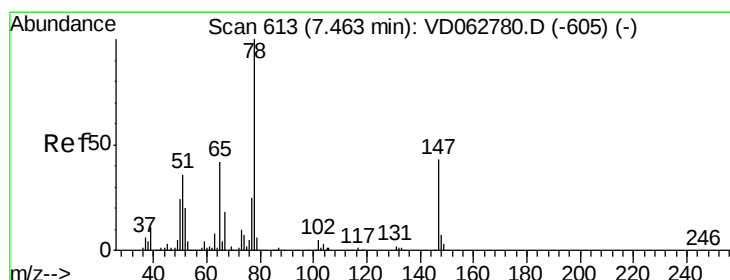
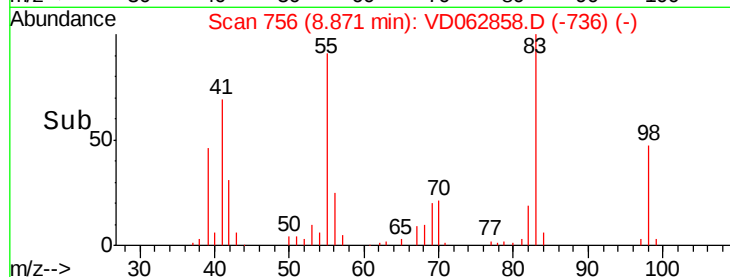
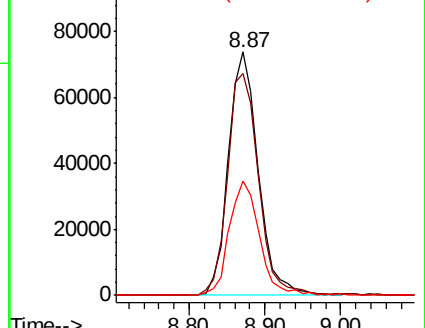
98 46.8 35.7 53.5



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 21.480 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.00 min

Lab File: VD062858.D

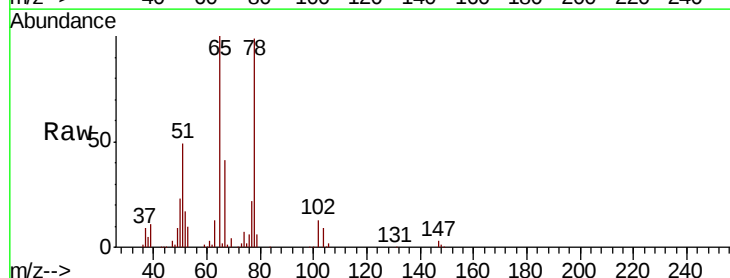
Acq: 25 Jun 2019 2:05

Tgt Ion: 78 Resp: 500748

Ion Ratio Lower Upper

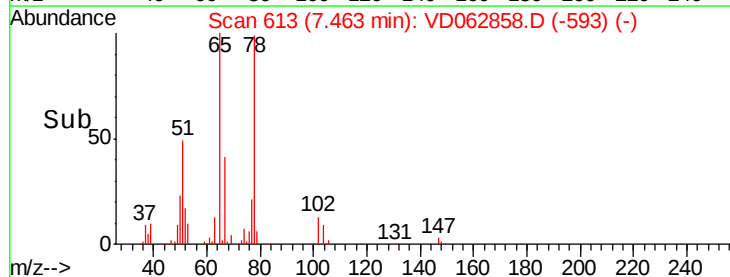
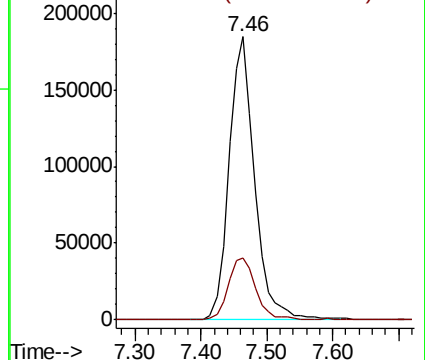
78 100

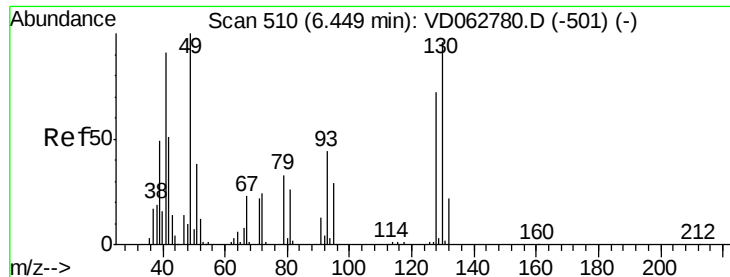
77 21.8 20.2 30.2



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 21.665 ug/l

RT: 6.46 min Scan# 511

Delta R.T. 0.01 min

Lab File: VD062858.D

Acq: 25 Jun 2019 2:05

Instrument :

MSVOA_D

ClientSampleId :

VD0624SBSD02

Tot Ion: 41 Resp: 132692

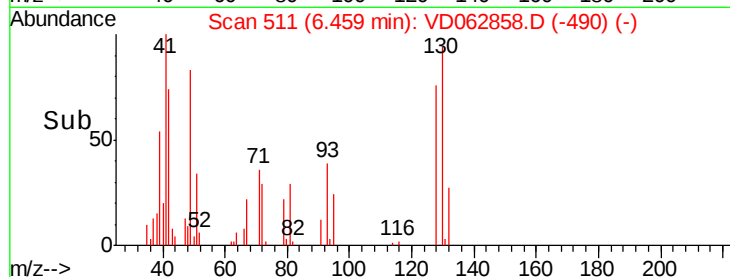
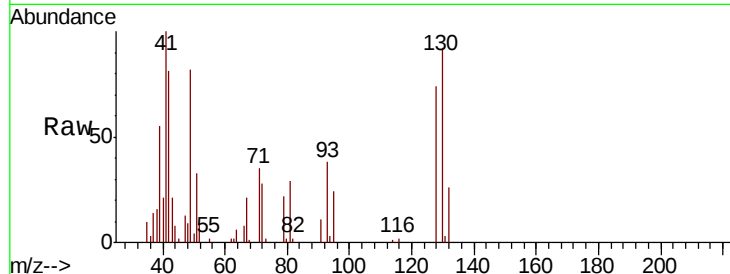
Ion Ratio Lower Upper

41 100

39 54.9 43.2 64.8

67 21.1 19.9 29.9

52 8.5 10.2 15.4#

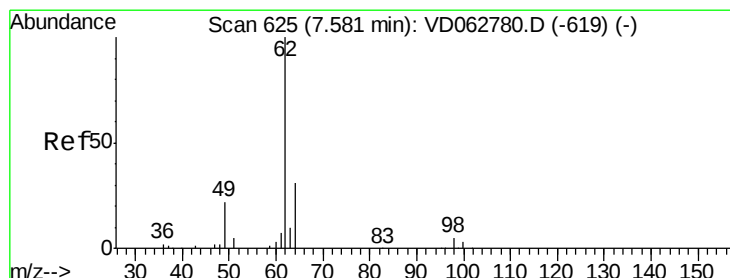
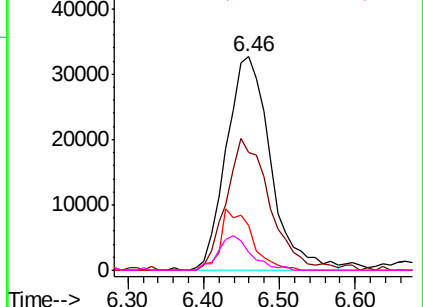


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 22.925 ug/l

RT: 7.58 min Scan# 625

Delta R.T. 0.00 min

Lab File: VD062858.D

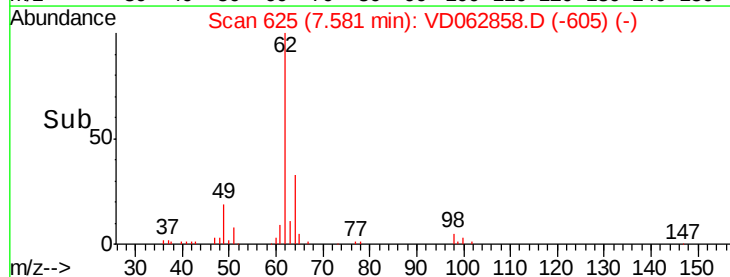
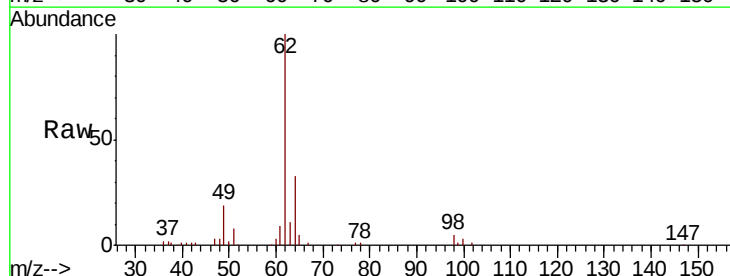
Acq: 25 Jun 2019 2:05

Tgt Ion: 62 Resp: 291555

Ion Ratio Lower Upper

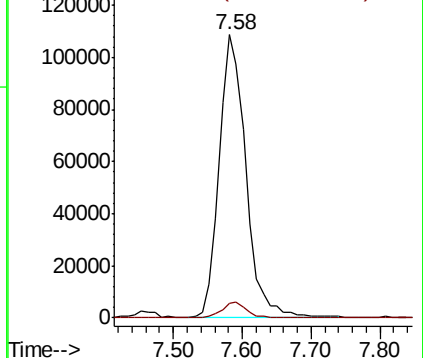
62 100

98 5.0 0.0 10.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



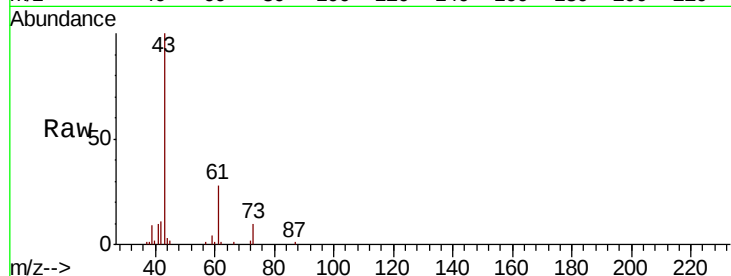


#43

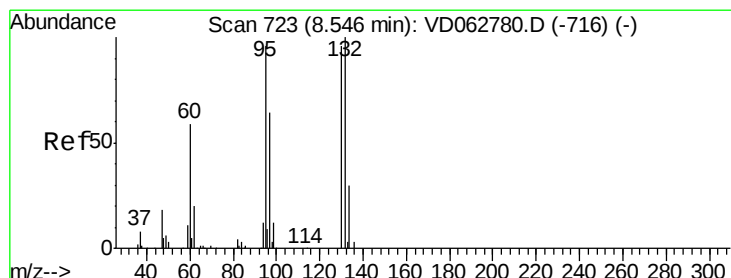
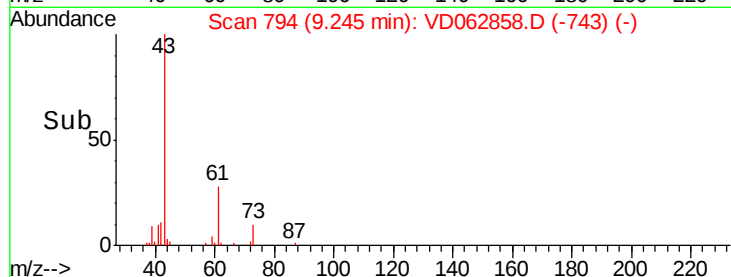
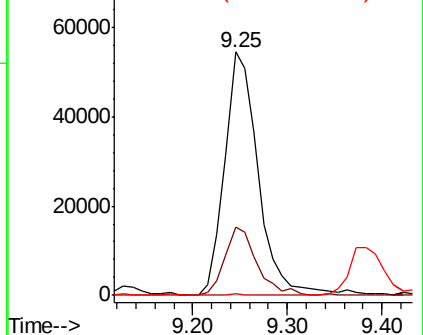
Isopropyl Acetate
 Concen: 21.903 ug/l
 RT: 9.25 min Scan# 794
 Delta R.T. 0.00 min
 Lab File: VD062858.D
 Acq: 25 Jun 2019 2:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0624SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.9	22.4	33.6
87	0.8	0.3	0.5



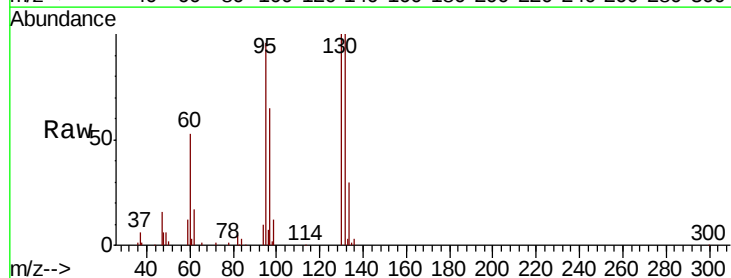
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



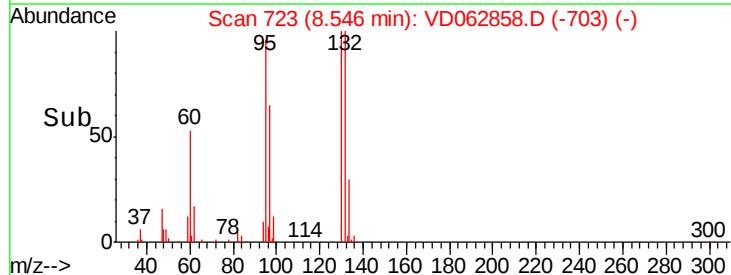
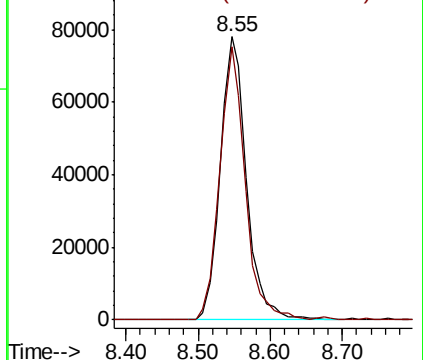
#44

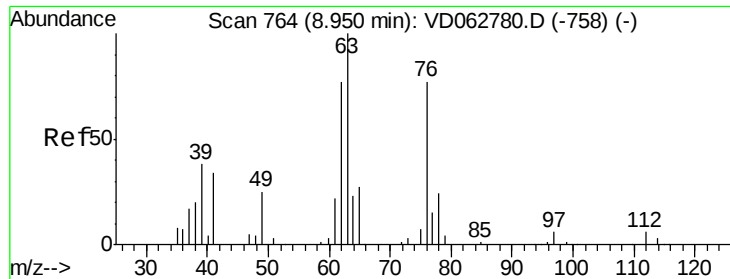
Trichloroethene
 Concen: 21.280 ug/l
 RT: 8.55 min Scan# 723
 Delta R.T. 0.00 min
 Lab File: VD062858.D
 Acq: 25 Jun 2019 2:05

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.5	0.0	201.6



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





#45

1,2-Dichloropropane

Concen: 21.310 ug/l

RT: 8.95 min Scan# 764

Delta R.T. 0.00 min

Lab File: VD062858.D

Acq: 25 Jun 2019 2:05

Instrument :

MSVOA_D

ClientSampleId :

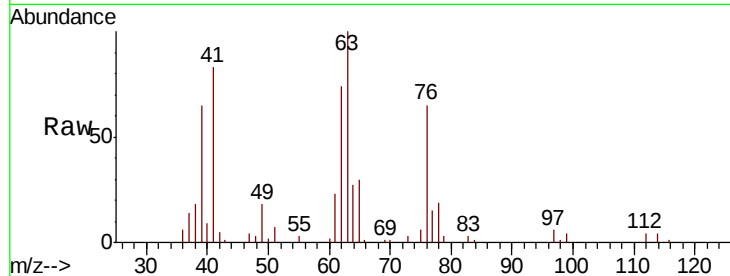
VD0624SBSD02

Tot Ion: 63 Resp: 123530

Ion Ratio Lower Upper

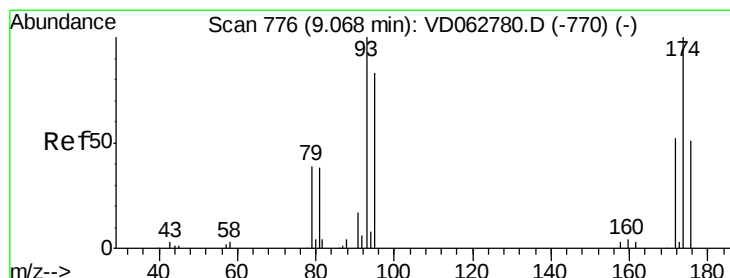
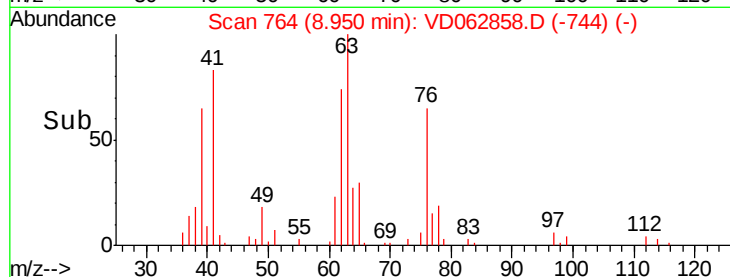
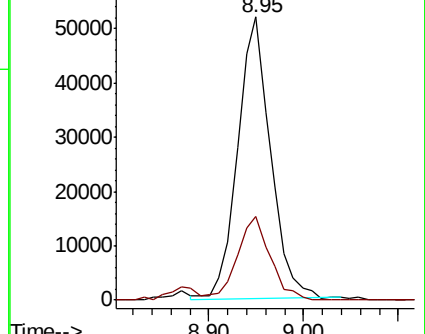
63 100

65 29.6 24.2 36.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 21.493 ug/l

RT: 9.07 min Scan# 776

Delta R.T. 0.00 min

Lab File: VD062858.D

Acq: 25 Jun 2019 2:05

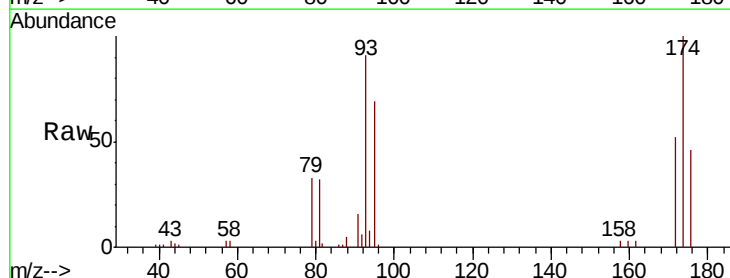
Tgt Ion: 93 Resp: 107024

Ion Ratio Lower Upper

93 100

95 75.8 66.6 100.0

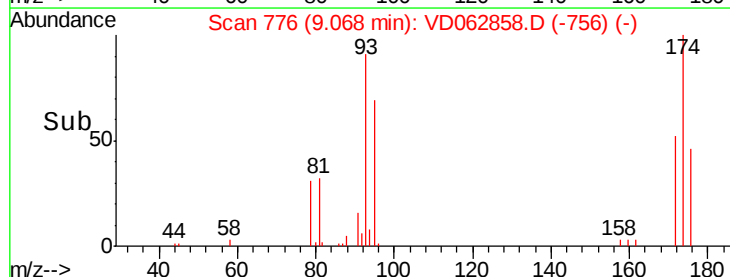
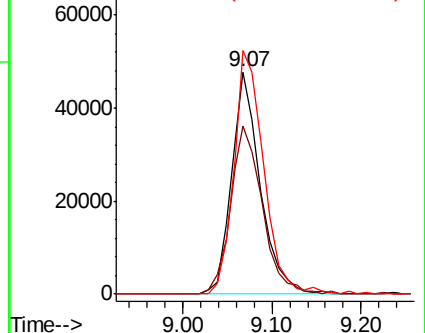
174 109.7 79.7 119.5



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: 21.409 ug/l

RT: 9.38 min Scan# 808

Delta R.T. 0.00 min

Lab File: VD062858.D

Acq: 25 Jun 2019 2:05

Instrument :

MSVOA_D

ClientSampleId :

VD0624SBSD02

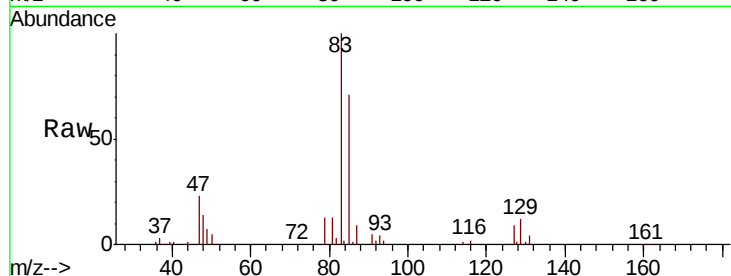
Tot Ion: 83 Resp: 276875

Ion Ratio Lower Upper

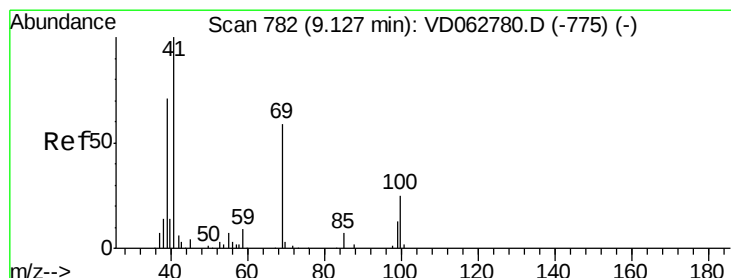
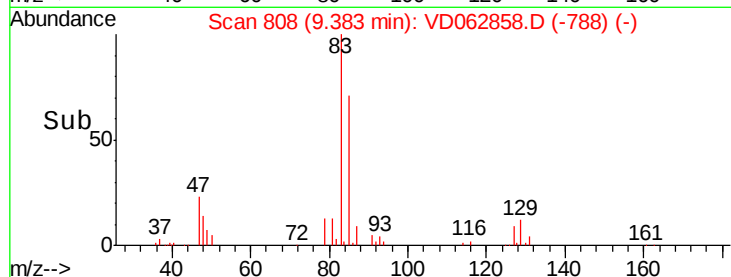
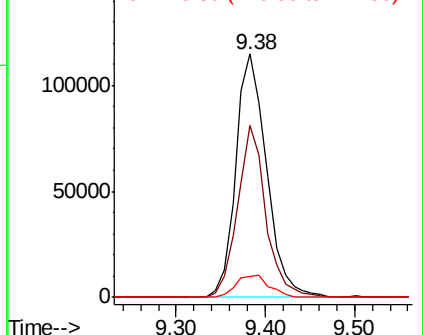
83 100

85 70.7 51.6 77.4

127 8.8 7.8 11.6



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: 20.553 ug/l

RT: 9.13 min Scan# 782

Delta R.T. 0.00 min

Lab File: VD062858.D

Acq: 25 Jun 2019 2:05

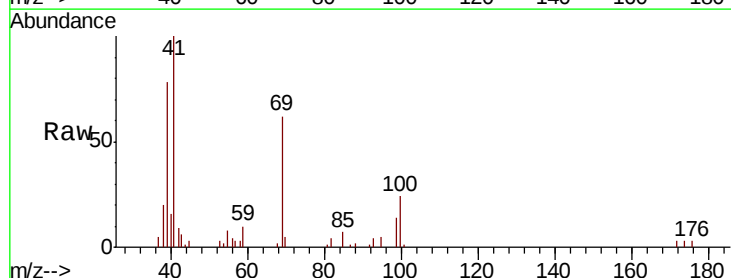
Tgt Ion: 41 Resp: 88932

Ion Ratio Lower Upper

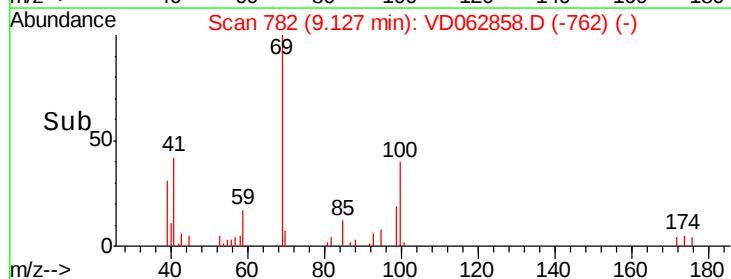
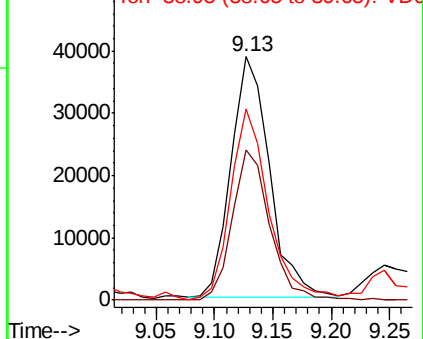
41 100

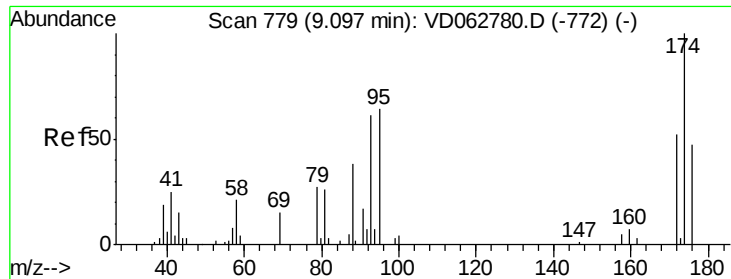
69 61.8 47.2 70.8

39 78.4 57.4 86.2



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

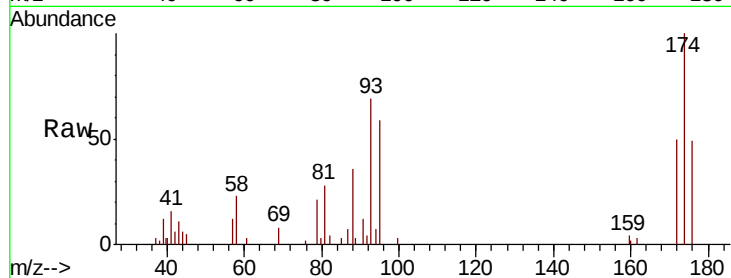




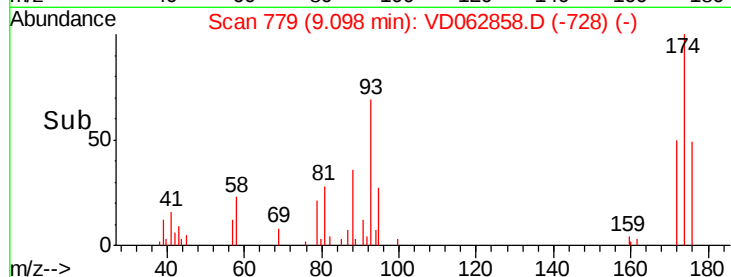
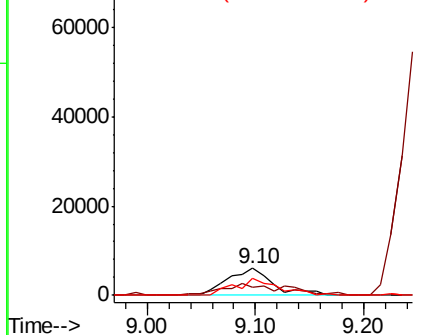
#49
1,4-Dioxane
Concen: 482.136 ug/l
RT: 9.10 min Scan# 779
Delta R.T. 0.00 min
Lab File: VD062858.D
Acq: 25 Jun 2019 2:05

Instrument :
MSVOA_D
ClientSampleId :
VD0624SBSD02

Tot Ion: 88 Resp: 17356
Ion Ratio Lower Upper
88 100
43 29.1 32.1 48.1#
58 62.8 44.1 66.1

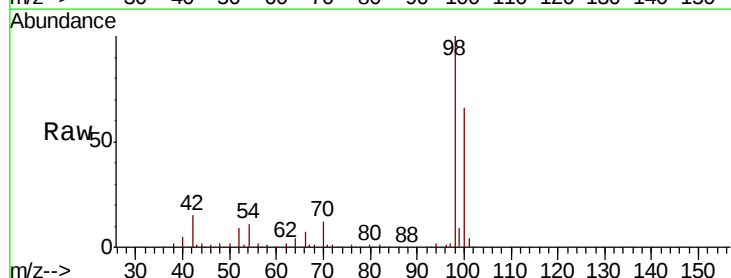


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

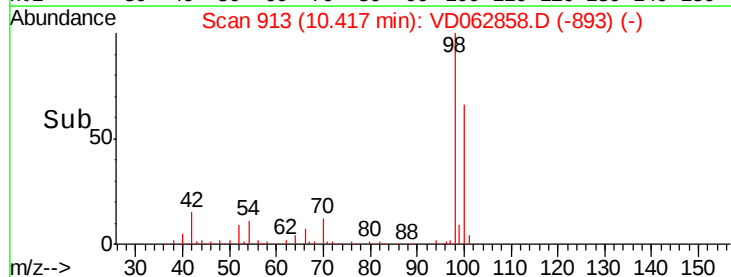
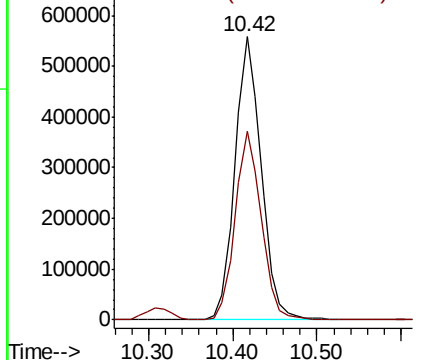


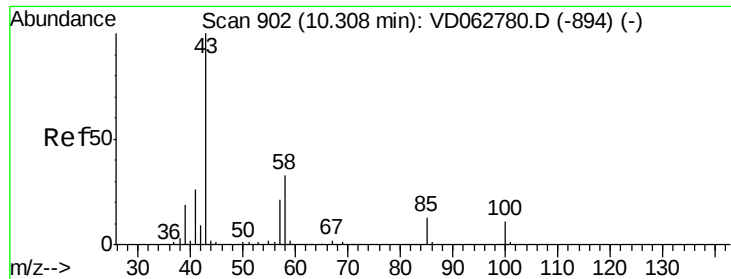
#50
Toluene-d8
Concen: 53.693 ug/l
RT: 10.42 min Scan# 913
Delta R.T. 0.00 min
Lab File: VD062858.D
Acq: 25 Jun 2019 2:05

Tgt Ion: 98 Resp: 1208890
Ion Ratio Lower Upper
98 100
100 66.5 54.7 82.1



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: 117.949 ug/l

RT: 10.31 min Scan# 902

Delta R.T. 0.00 min

Lab File: VD062858.D

Acq: 25 Jun 2019 2:05

Instrument :

MSVOA_D

ClientSampleId :

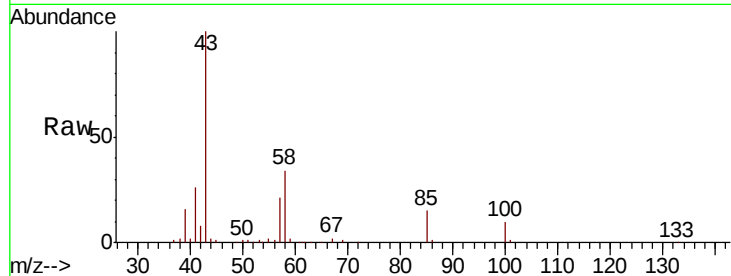
VD0624SBS02

Tot Ion: 43 Resp: 509174

Ion Ratio Lower Upper

43 100

58 34.3 26.6 40.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

250000

200000

150000

100000

50000

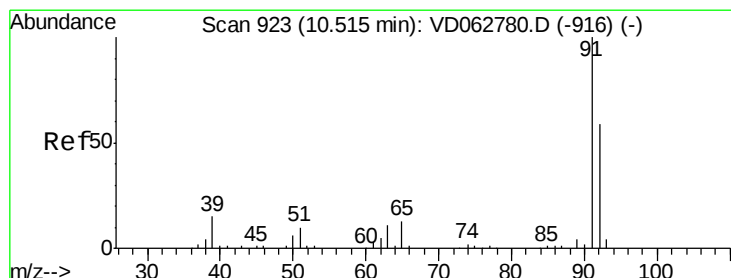
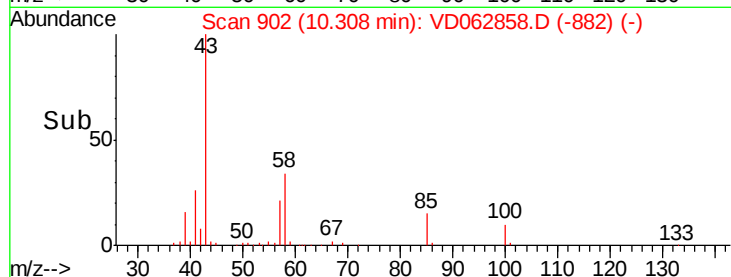
0

10.20

10.30

10.40

Time-->



#52

Toluene

Concen: 20.998 ug/l

RT: 10.52 min Scan# 923

Delta R.T. 0.00 min

Lab File: VD062858.D

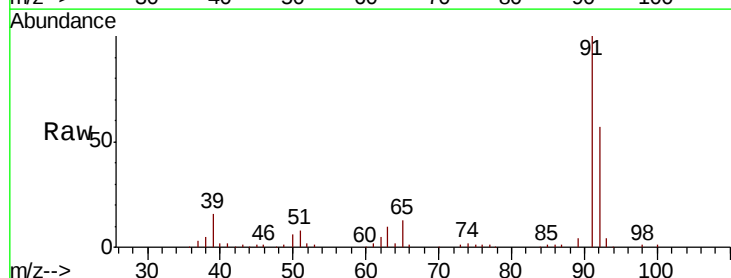
Acq: 25 Jun 2019 2:05

Tgt Ion: 92 Resp: 329055

Ion Ratio Lower Upper

92 100

91 174.3 136.3 204.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

300000

250000

200000

150000

100000

50000

0

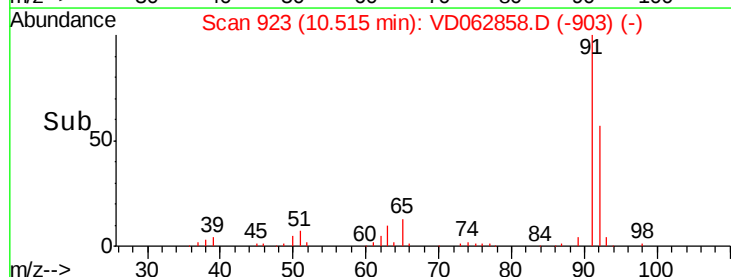
10.40

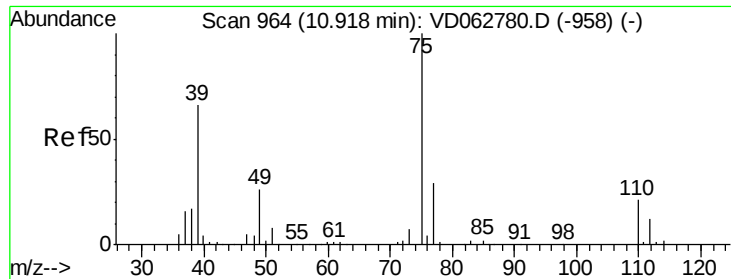
10.50

10.60

10.70

Time-->

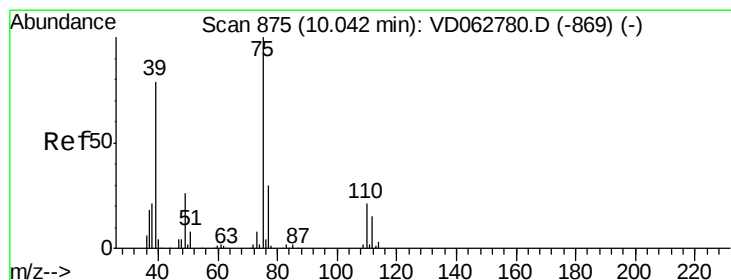
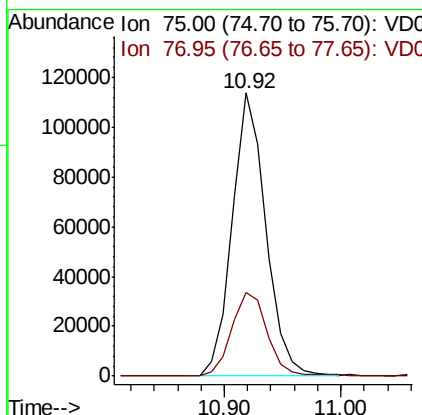
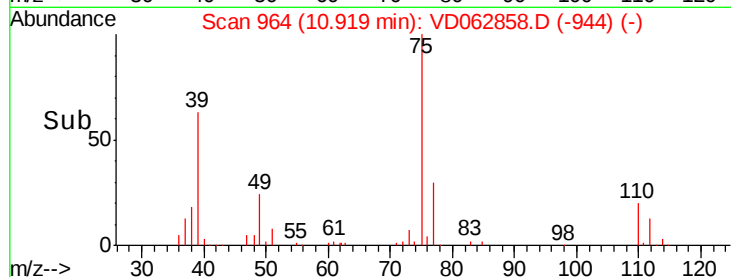
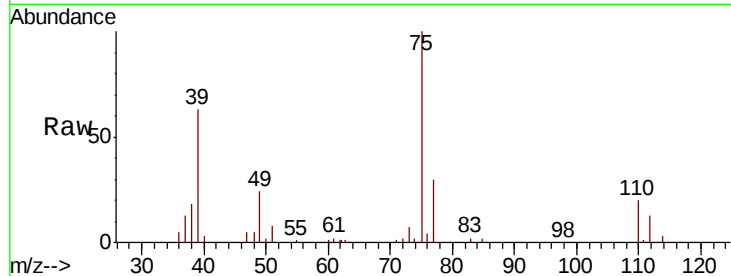




#53
 t-1,3-Dichloropropene
 Concen: 21.460 ug/l
 RT: 10.92 min Scan# 964
 Delta R.T. 0.00 min
 Lab File: VD062858.D
 Acq: 25 Jun 2019 2:05

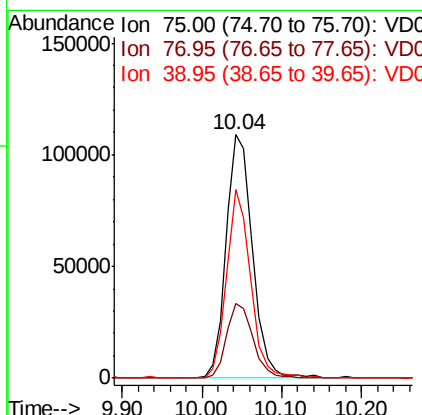
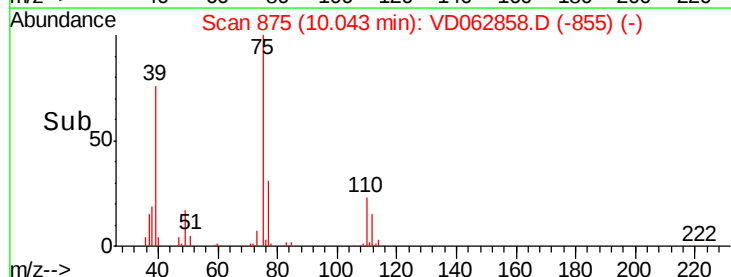
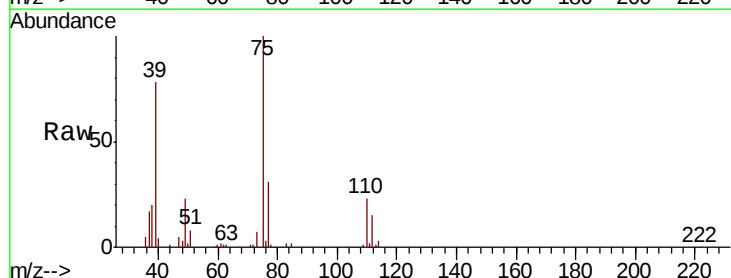
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0624SBSD02

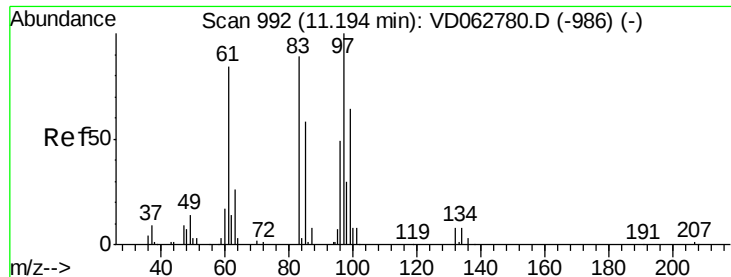
Tot Ion: 75 Resp: 227158
 Ion Ratio Lower Upper
 75 100
 77 29.7 23.2 34.8



#54
 cis-1,3-Dichloropropene
 Concen: 22.058 ug/l
 RT: 10.04 min Scan# 875
 Delta R.T. 0.00 min
 Lab File: VD062858.D
 Acq: 25 Jun 2019 2:05

Tgt Ion: 75 Resp: 253777
 Ion Ratio Lower Upper
 75 100
 77 30.8 24.2 36.2
 39 77.7 63.5 95.3

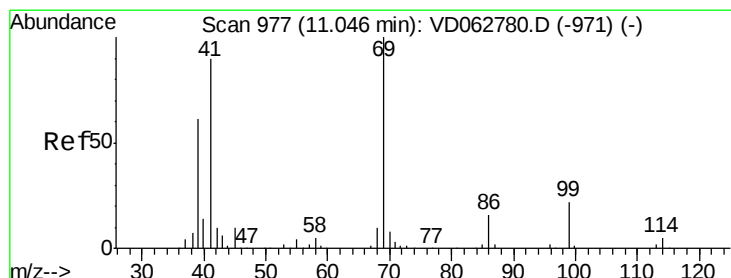
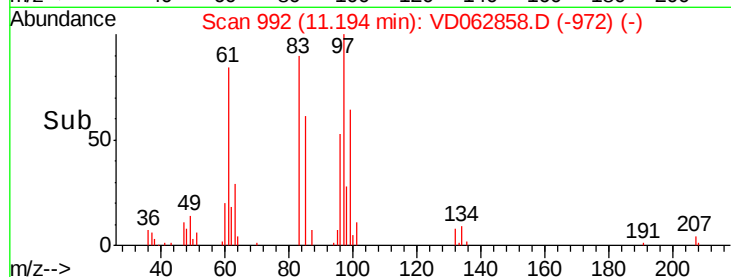
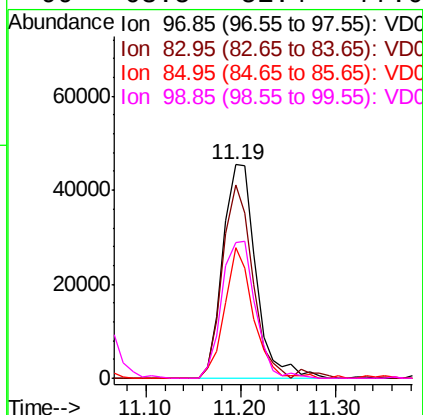
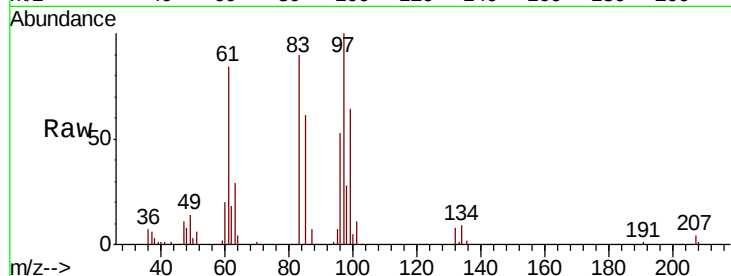




#55
 1,1,2-Trichloroethane
 Concen: 20.476 ug/l
 RT: 11.19 min Scan# 992
 Delta R.T. 0.00 min
 Lab File: VD062858.D
 Acq: 25 Jun 2019 2:05

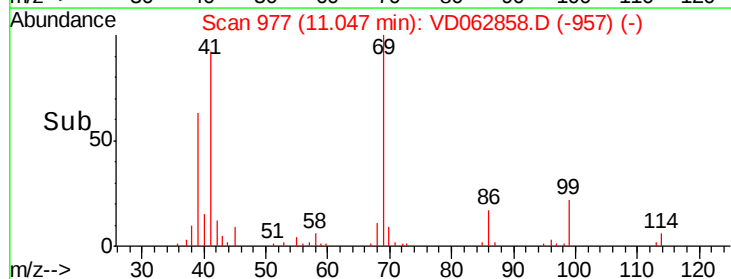
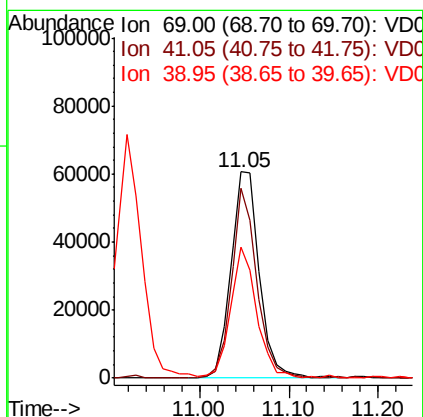
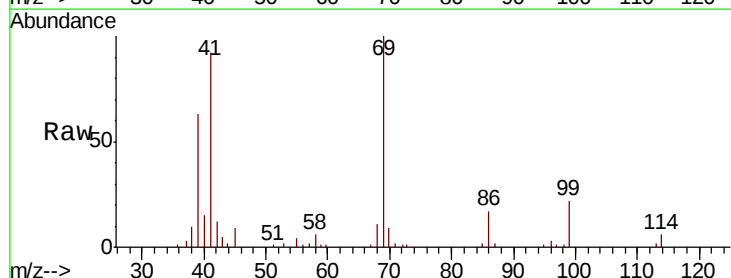
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0624SBSD02

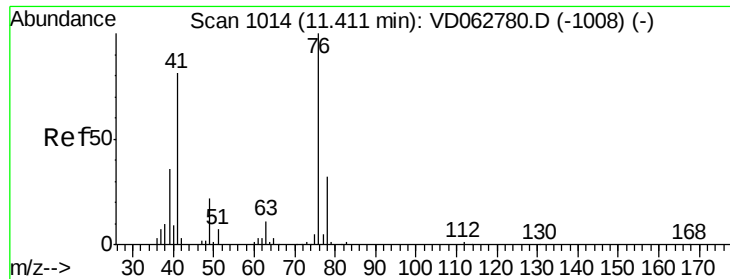
Tot Ion: 97 Resp: 110240
 Ion Ratio Lower Upper
 97 100
 83 90.5 71.0 106.4
 85 61.4 46.6 69.8
 99 63.5 51.4 77.0



#56
 Ethyl methacrylate
 Concen: 23.415 ug/l
 RT: 11.05 min Scan# 977
 Delta R.T. 0.00 min
 Lab File: VD062858.D
 Acq: 25 Jun 2019 2:05

Tgt Ion: 69 Resp: 134726
 Ion Ratio Lower Upper
 69 100
 41 91.8 72.0 108.0
 39 63.3 49.5 74.3





#57

1,3-Dichloropropane

Concen: 20.475 ug/l

RT: 11.41 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VD062858.D

Acq: 25 Jun 2019 2:05

Instrument :

MSVOA_D

ClientSampleId :

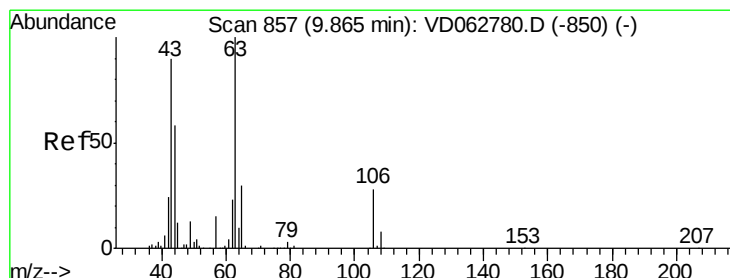
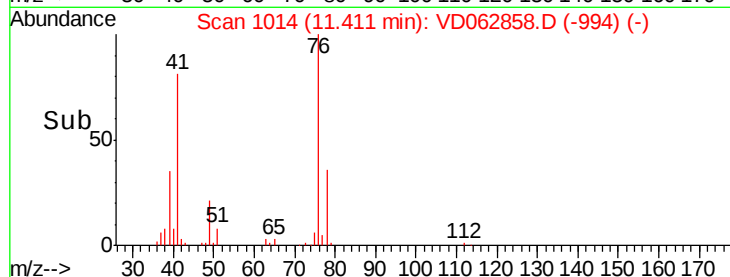
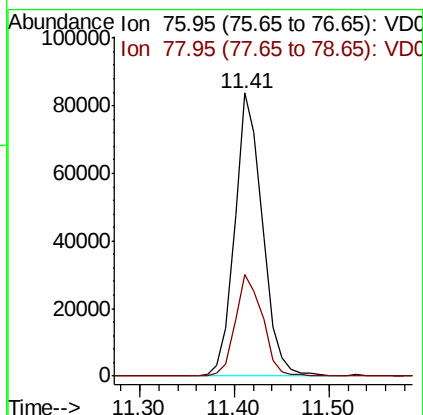
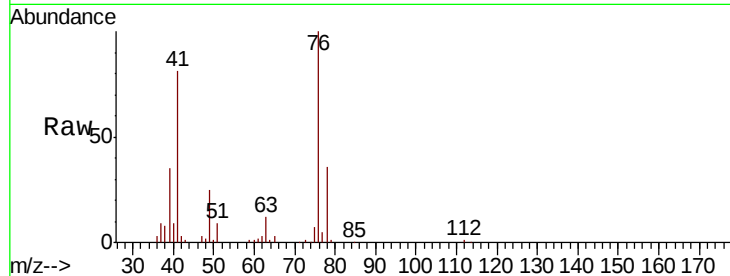
VD0624SBS02

Tot Ion: 76 Resp: 168790

Ion Ratio Lower Upper

76 100

78 35.9 25.4 38.0



#58

2-Chloroethyl Vinyl ether

Concen: 115.048 ug/l

RT: 9.87 min Scan# 857

Delta R.T. 0.00 min

Lab File: VD062858.D

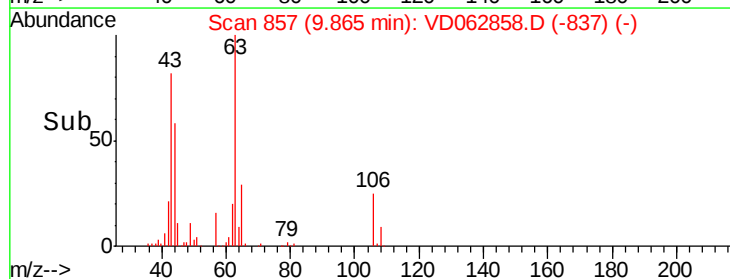
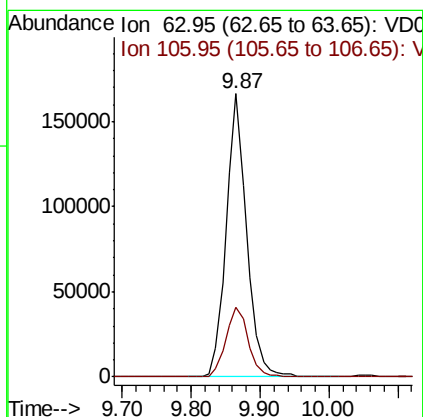
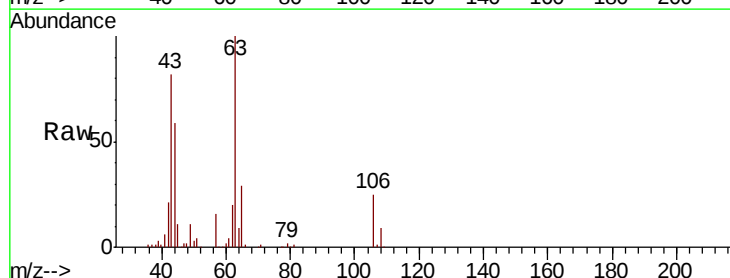
Acq: 25 Jun 2019 2:05

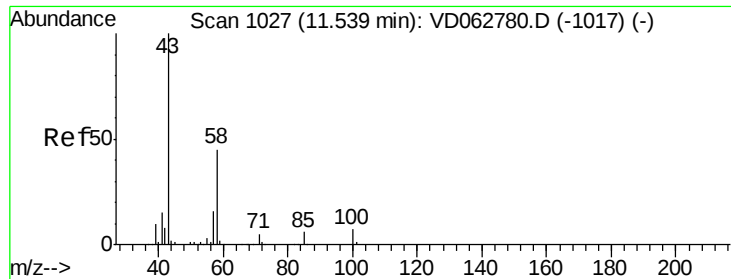
Tgt Ion: 63 Resp: 339836

Ion Ratio Lower Upper

63 100

106 24.8 22.1 33.1

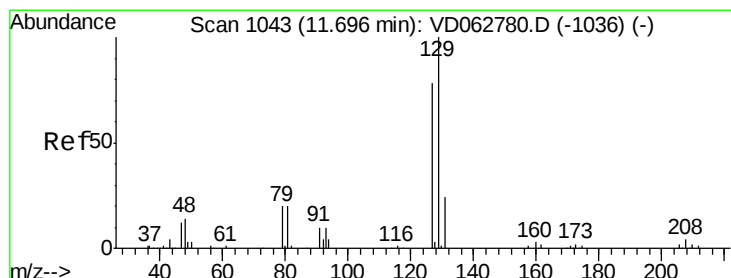
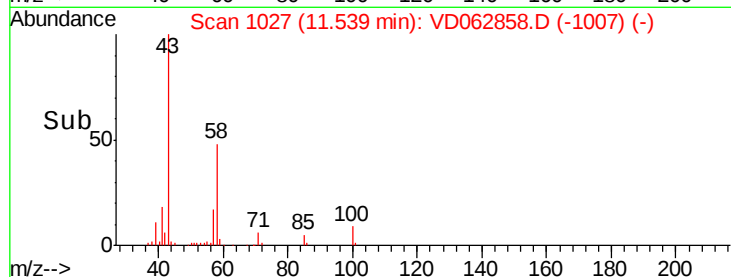
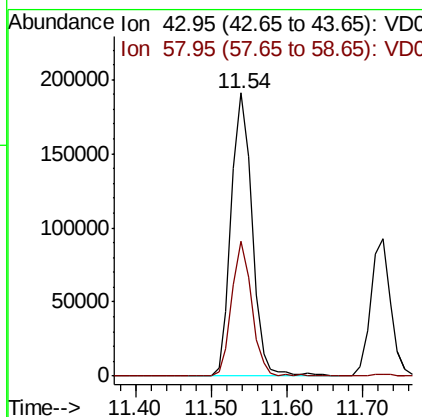
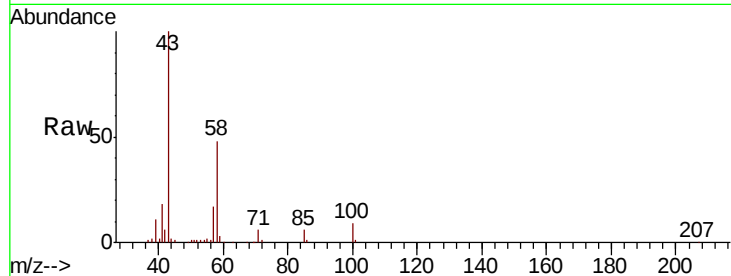




#59
2-Hexanone
Concen: 118.615 ug/l
RT: 11.54 min Scan# 1027
Delta R.T. 0.00 min
Lab File: VD062858.D
Acq: 25 Jun 2019 2:05

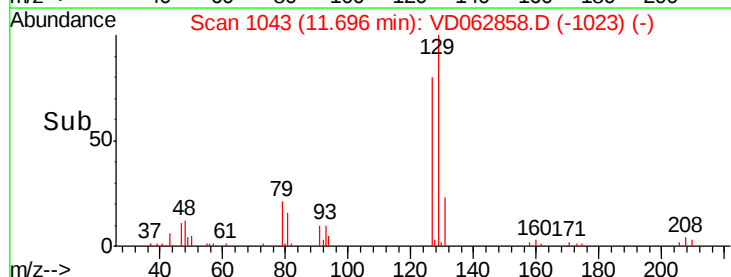
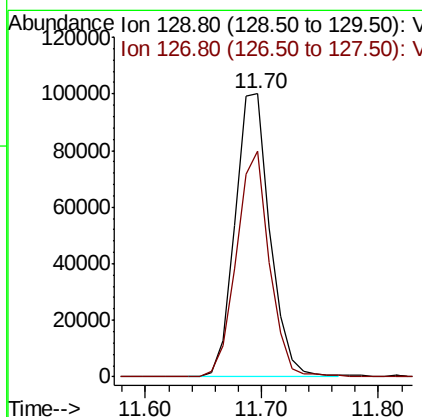
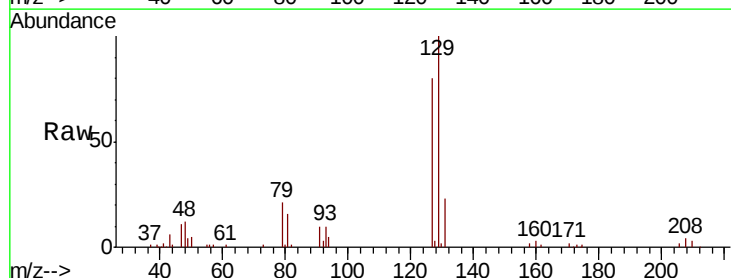
Instrument :
MSVOA_D
ClientSampleId :
VD0624SBSD02

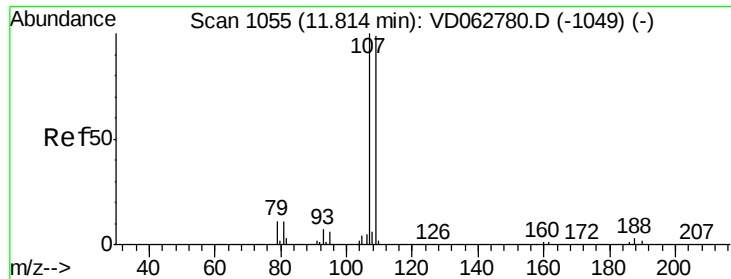
Tot Ion: 43 Resp: 364676
Ion Ratio Lower Upper
43 100
58 47.5 22.4 67.2



#60
Dibromochloromethane
Concen: 20.687 ug/l
RT: 11.70 min Scan# 1043
Delta R.T. 0.00 min
Lab File: VD062858.D
Acq: 25 Jun 2019 2:05

Tgt Ion: 129 Resp: 207451
Ion Ratio Lower Upper
129 100
127 79.7 38.9 116.6

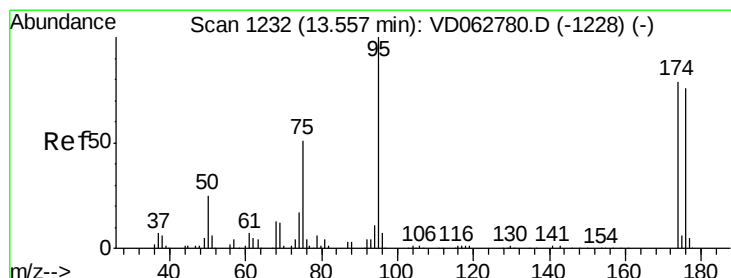
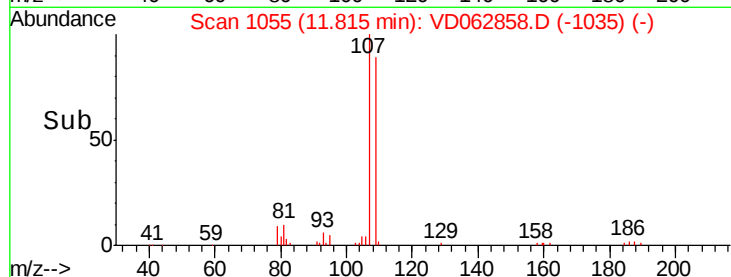
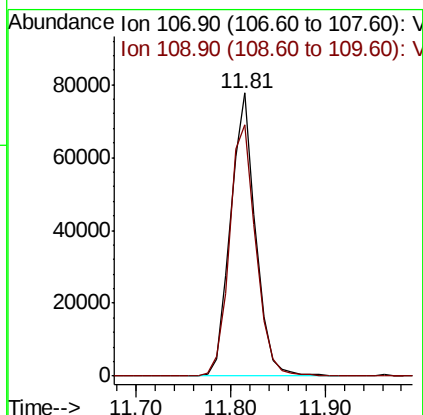
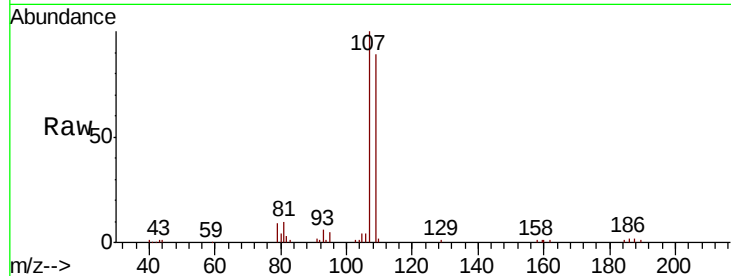




#61
 1,2-Dibromoethane
 Concen: 22.383 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. 0.00 min
 Lab File: VD062858.D
 Acq: 25 Jun 2019 2:05

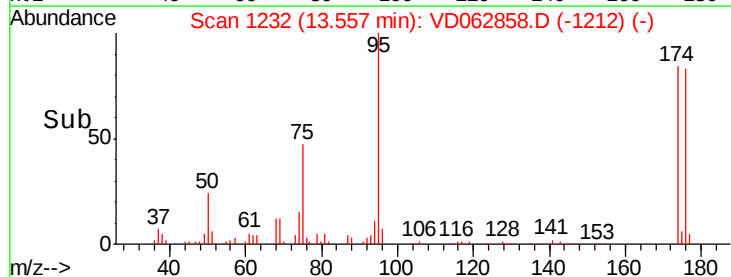
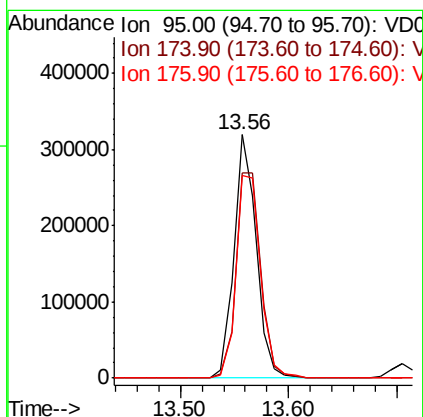
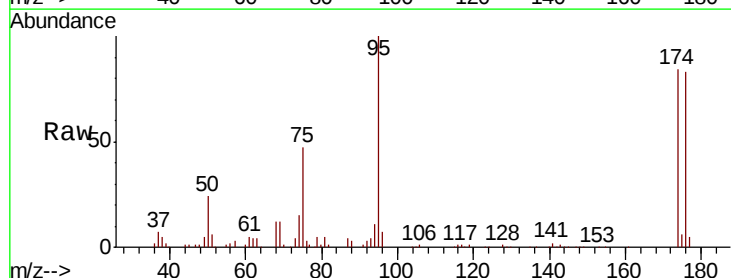
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0624SBSD02

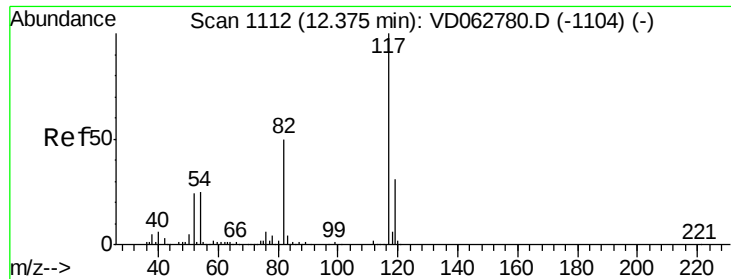
Tot Ion:107 Resp: 142323
 Ion Ratio Lower Upper
 107 100
 109 88.9 79.3 118.9



#62
 4-Bromofluorobenzene
 Concen: 44.697 ug/l
 RT: 13.56 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VD062858.D
 Acq: 25 Jun 2019 2:05

Tgt Ion: 95 Resp: 457593
 Ion Ratio Lower Upper
 95 100
 174 84.4 0.0 158.0
 176 83.0 0.0 151.6

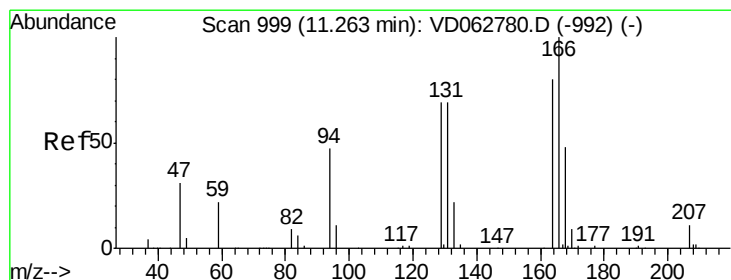
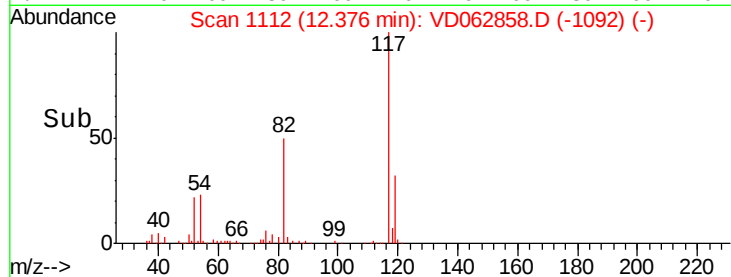
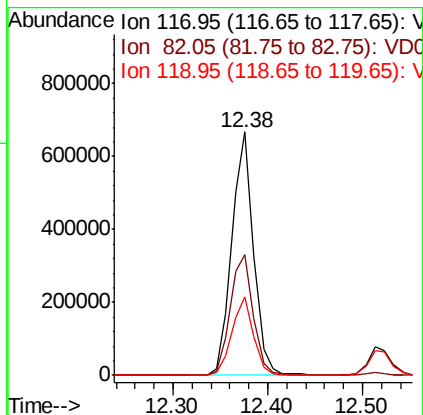
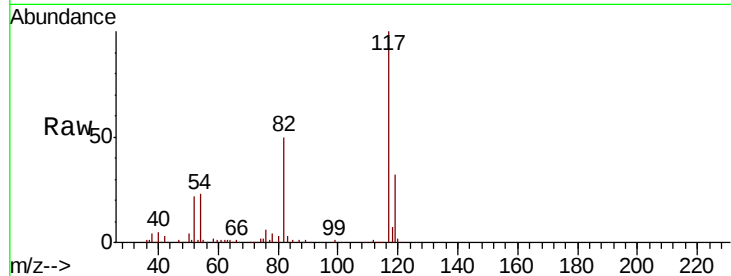




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VD062858.D
Acq: 25 Jun 2019 2:05

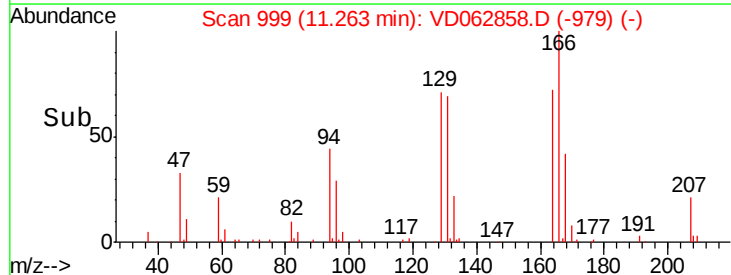
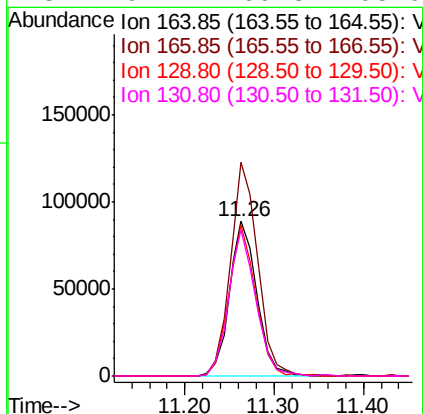
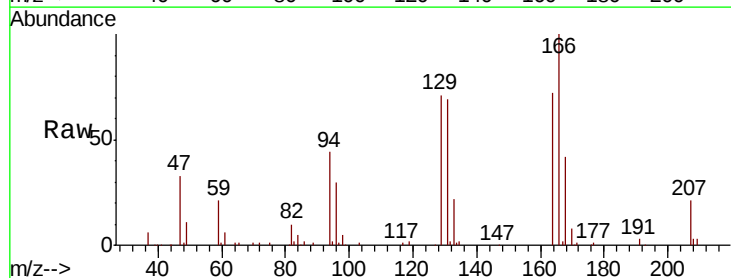
Instrument :
MSVOA_D
ClientSampleId :
VD0624SBSD02

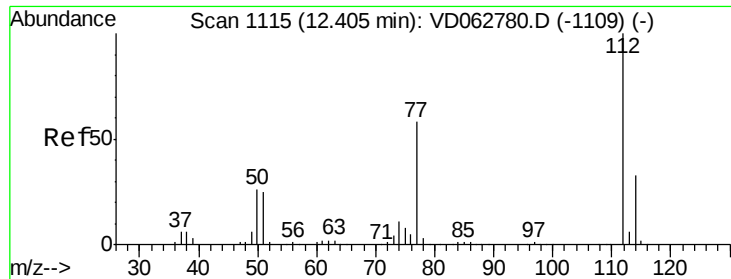
Tot Ion:117 Resp: 1060980
Ion Ratio Lower Upper
117 100
82 49.6 40.4 60.6
119 32.2 25.2 37.8



#64
Tetrachloroethene
Concen: 21.887 ug/l
RT: 11.26 min Scan# 999
Delta R.T. 0.00 min
Lab File: VD062858.D
Acq: 25 Jun 2019 2:05

Tgt Ion:164 Resp: 191117
Ion Ratio Lower Upper
164 100
166 138.1 100.6 150.8
129 97.9 69.4 104.0
131 94.7 69.3 103.9

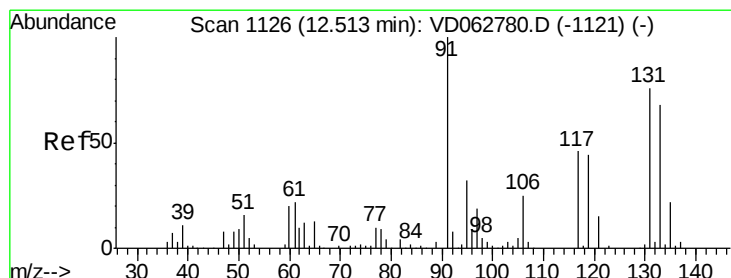
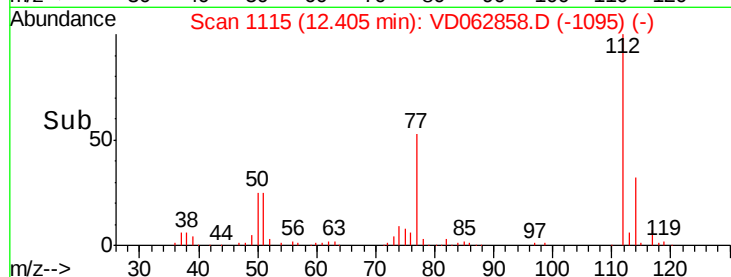
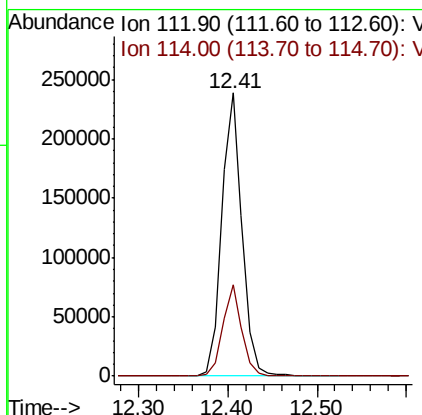
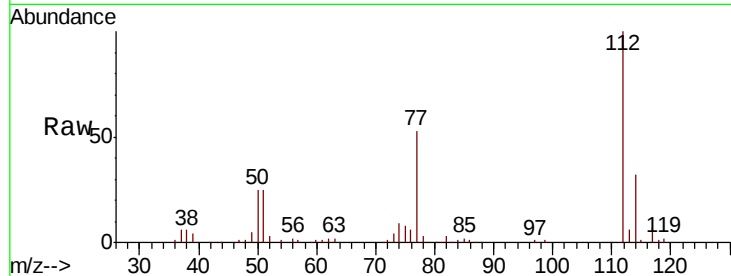




#65
Chlorobenzene
Concen: 19.334 ug/l
RT: 12.41 min Scan# 1115
Delta R.T. 0.00 min
Lab File: VD062858.D
Acq: 25 Jun 2019 2:05

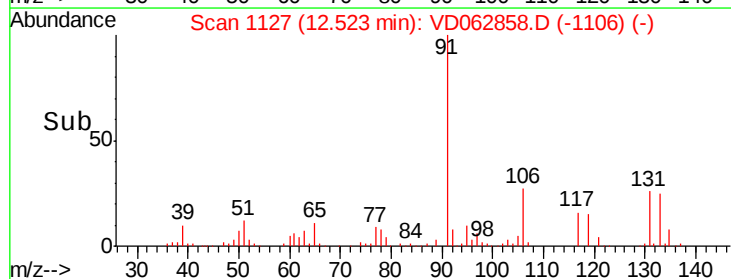
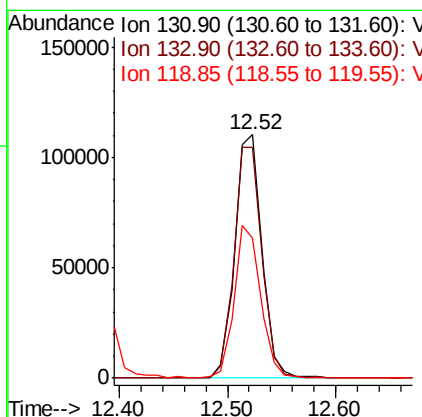
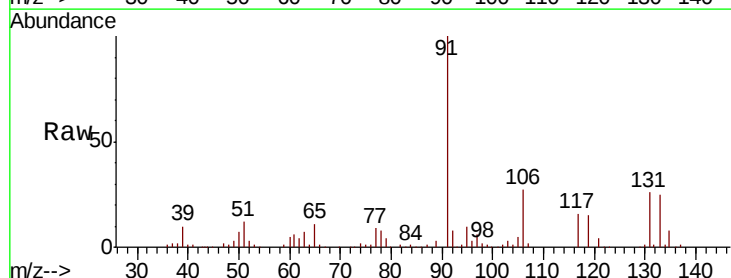
Instrument :
MSVOA_D
ClientSampleId :
VD0624SBSD02

Tot Ion:112 Resp: 380705
Ion Ratio Lower Upper
112 100
114 32.1 26.3 39.5



#66
1,1,1,2-Tetrachloroethane
Concen: 20.810 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD062858.D
Acq: 25 Jun 2019 2:05

Tgt Ion:131 Resp: 191626
Ion Ratio Lower Upper
131 100
133 95.0 44.5 133.3
119 57.7 28.6 85.9

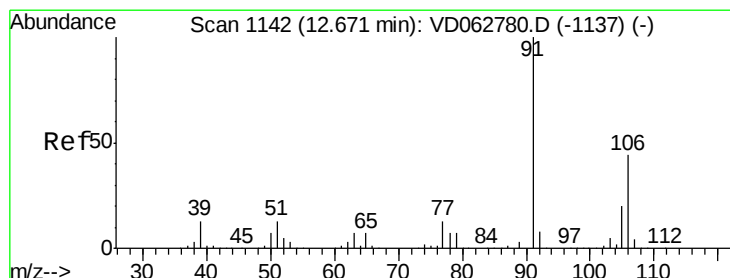
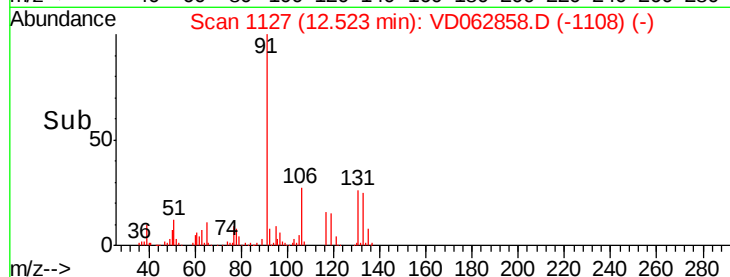
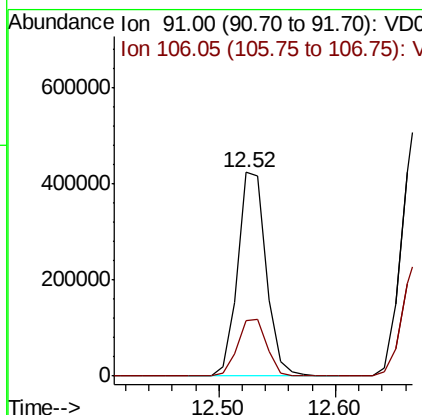
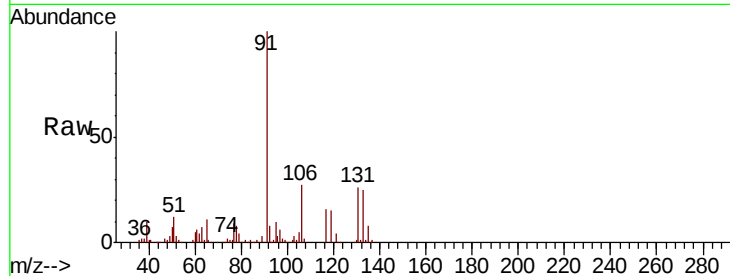




#67
Ethyl Benzene
Concen: 20.288 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VD062858.D
Acq: 25 Jun 2019 2:05

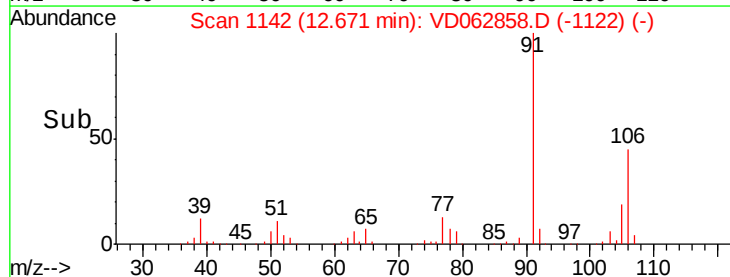
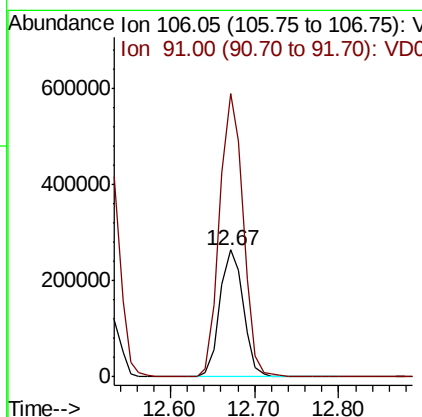
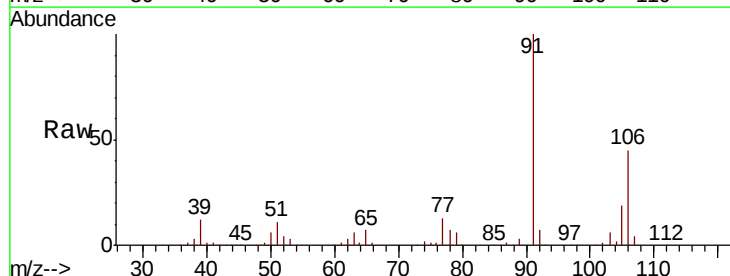
Instrument :
MSVOA_D
ClientSampleId :
VD0624SBSD02

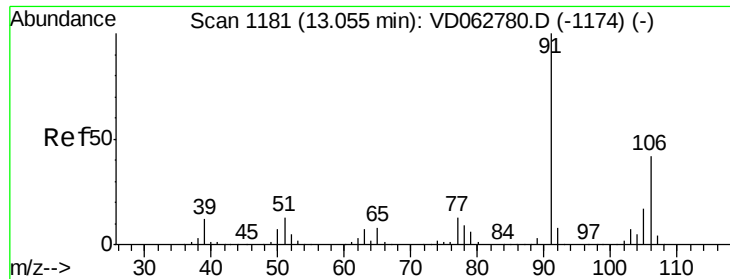
Tot Ion: 91 Resp: 717243
Ion Ratio Lower Upper
91 100
106 27.3 23.1 34.7



#68
m/p-Xylenes
Concen: 41.510 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VD062858.D
Acq: 25 Jun 2019 2:05

Tgt Ion: 106 Resp: 511110
Ion Ratio Lower Upper
106 100
91 222.9 183.0 274.6

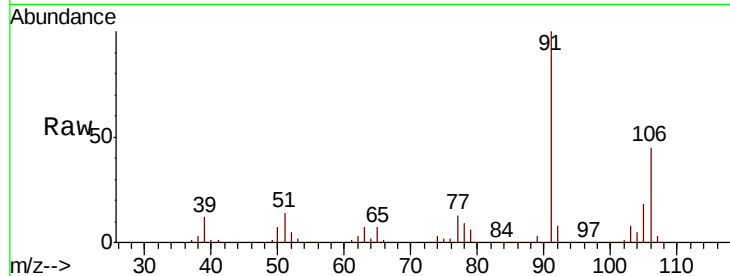




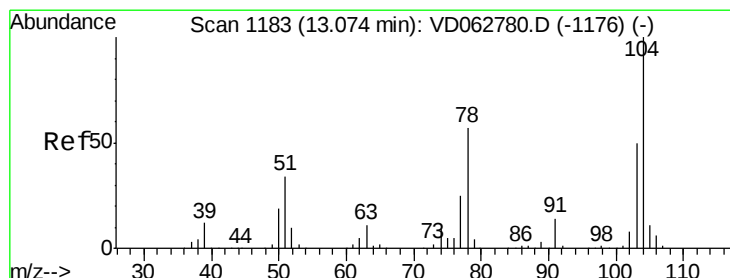
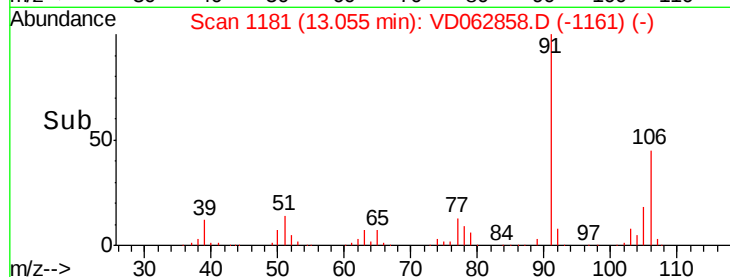
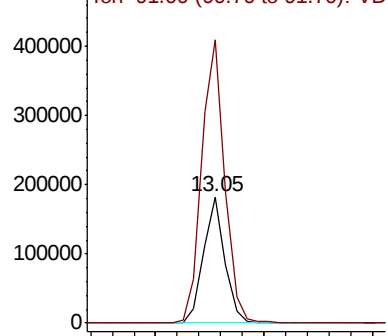
#69
o-Xylene
Concen: 22.330 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VD062858.D
Acq: 25 Jun 2019 2:05

Instrument :
MSVOA_D
ClientSampleId :
VD0624SBSD02

Tot Ion:106 Resp: 251348
Ion Ratio Lower Upper
106 100
91 224.3 117.9 353.6

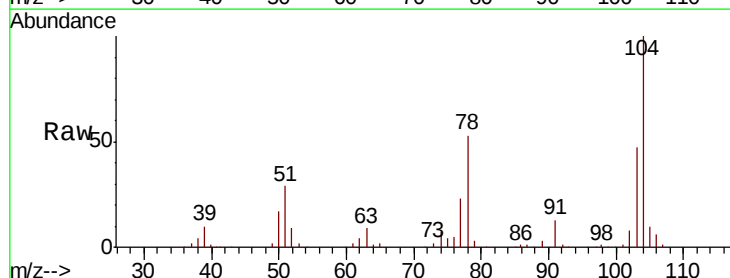


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

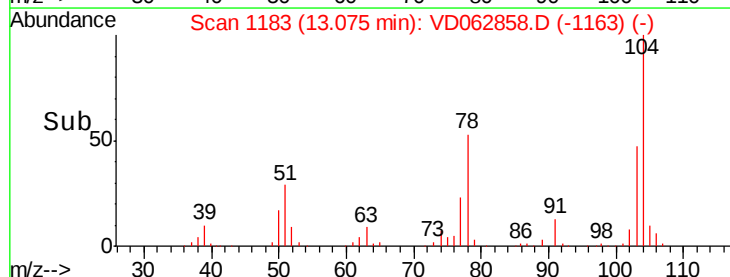
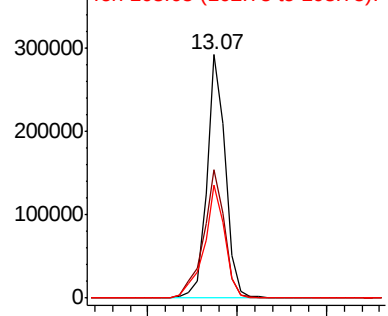


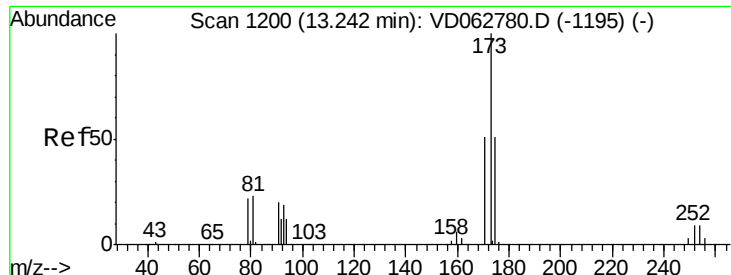
#70
Styrene
Concen: 21.513 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VD062858.D
Acq: 25 Jun 2019 2:05

Tgt Ion:104 Resp: 425316
Ion Ratio Lower Upper
104 100
78 52.6 45.4 68.2
103 46.5 39.7 59.5



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





#71

Bromoform

Concen: 21.739 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VD062858.D

Acq: 25 Jun 2019 2:05

Instrument :

MSVOA_D

ClientSampleId :

VD0624SBS02

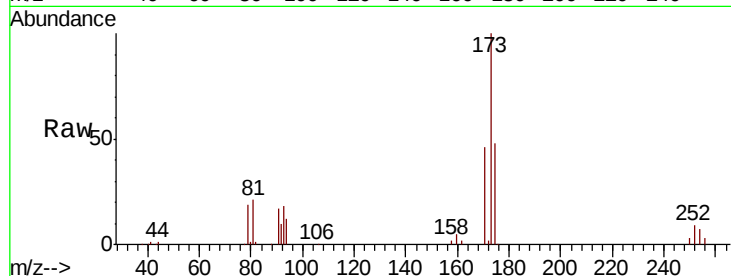
Tot Ion:173 Resp: 137156

Ion Ratio Lower Upper

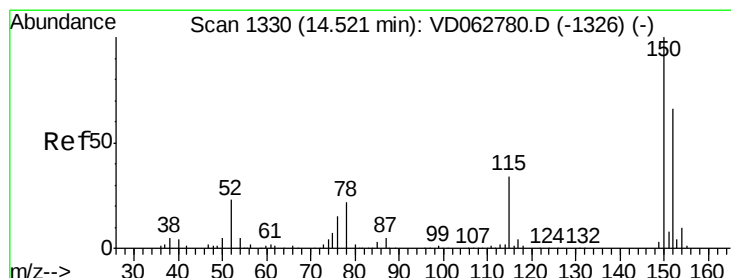
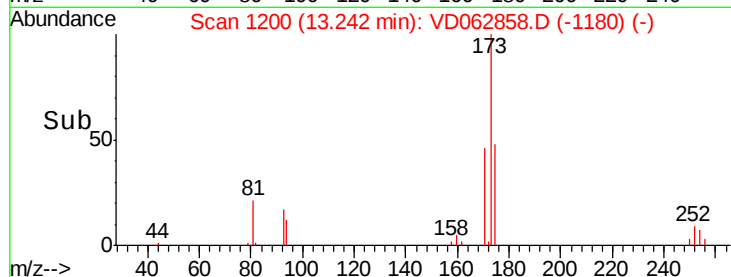
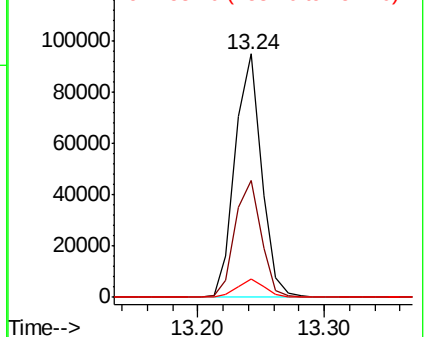
173 100

175 48.3 25.3 75.9

254 7.4 7.1 10.7



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: 14.52 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VD062858.D

Acq: 25 Jun 2019 2:05

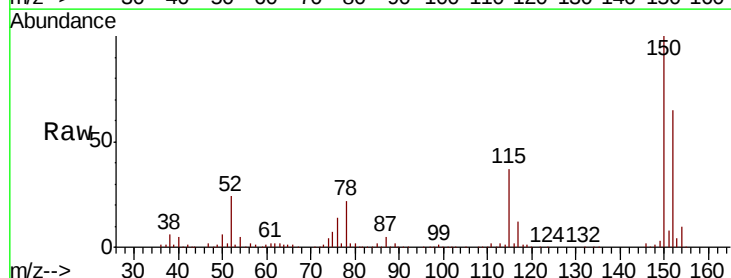
Tgt Ion:152 Resp: 560230

Ion Ratio Lower Upper

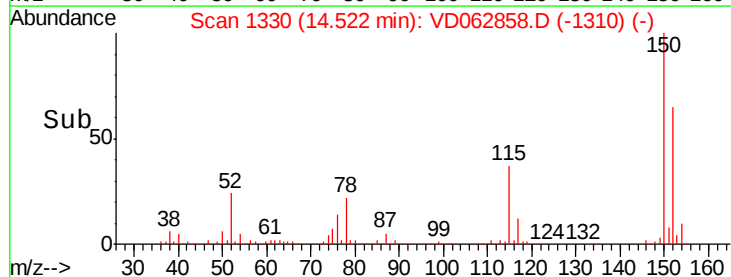
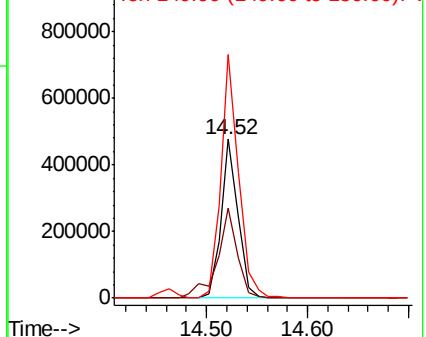
152 100

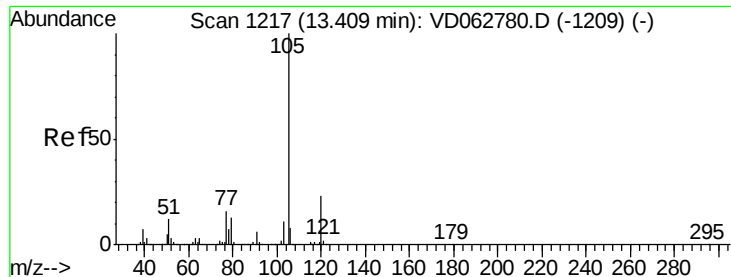
115 56.9 29.2 87.6

150 153.4 0.0 305.8



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: 19.831 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VD062858.D

Acq: 25 Jun 2019 2:05

Instrument :

MSVOA_D

ClientSampleId :

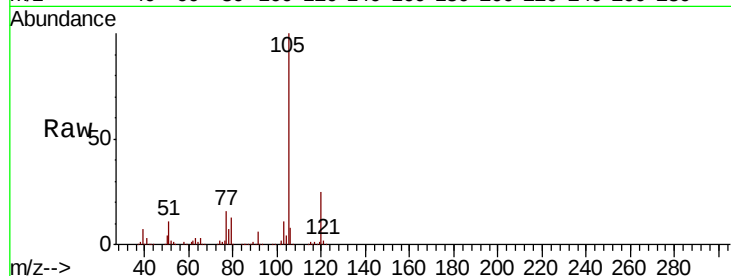
VD0624SBSD02

Tot Ion:105 Resp: 712334

Ion Ratio Lower Upper

105 100

120 24.9 11.6 34.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.41

600000

500000

400000

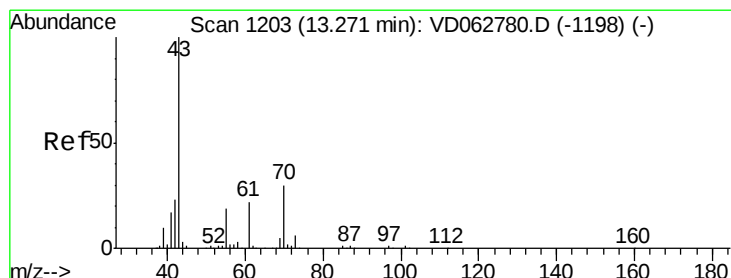
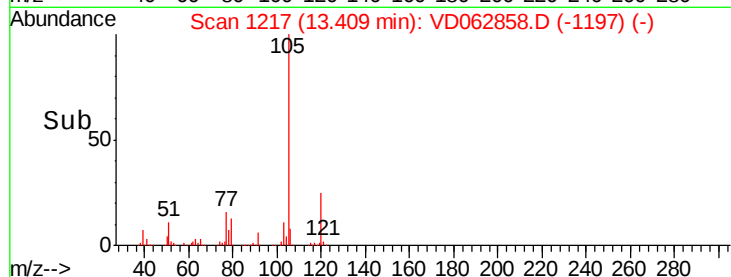
300000

200000

100000

0

Time--> 13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 22.806 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VD062858.D

Acq: 25 Jun 2019 2:05

Tgt Ion: 43 Resp: 198944

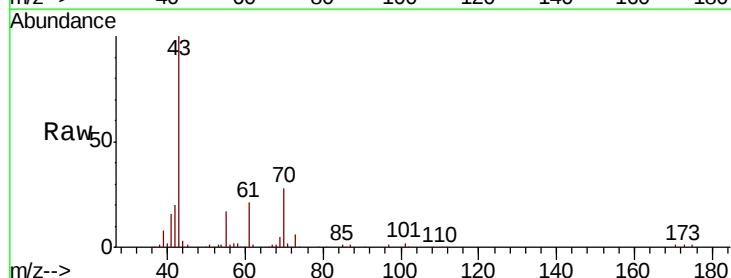
Ion Ratio Lower Upper

43 100

70 27.6 24.4 36.6

55 17.5 15.2 22.8

61 21.2 17.4 26.2



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

13.27

250000

200000

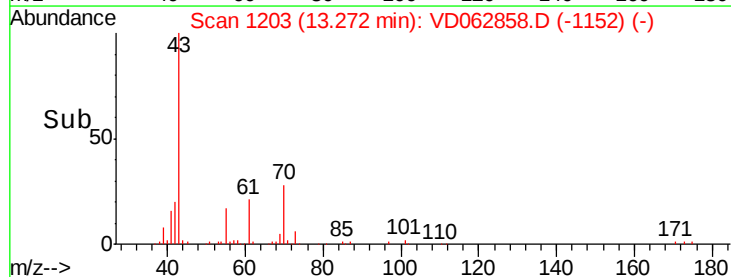
150000

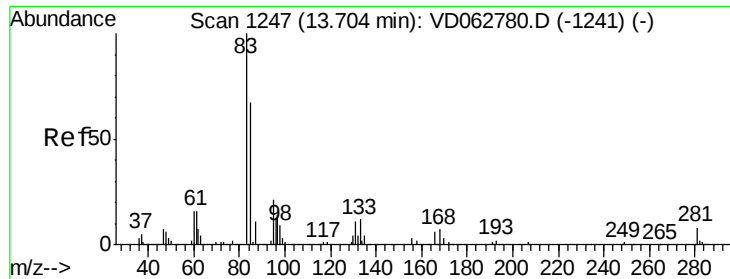
100000

50000

0

Time--> 13.20 13.30 13.40





#75

1,1,2,2-Tetrachloroethane

Concen: 22.088 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.00 min

Lab File: VD062858.D

Acq: 25 Jun 2019 2:05

Instrument :

MSVOA_D

ClientSampleId :

VD0624SBSD02

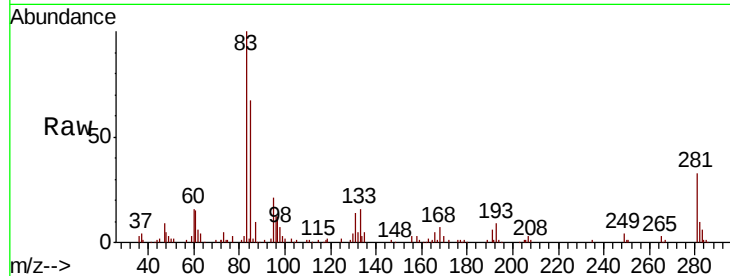
Tot Ion: 83 Resp: 129277

Ion Ratio Lower Upper

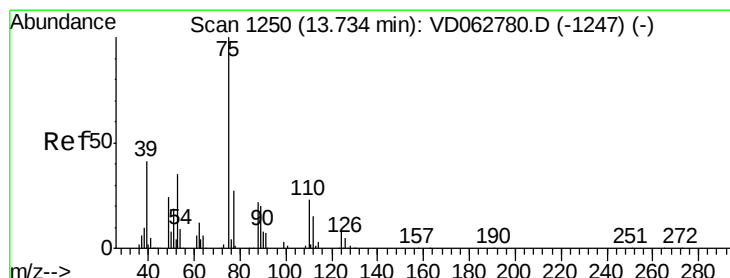
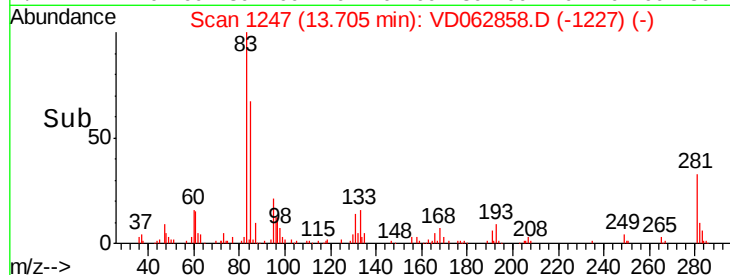
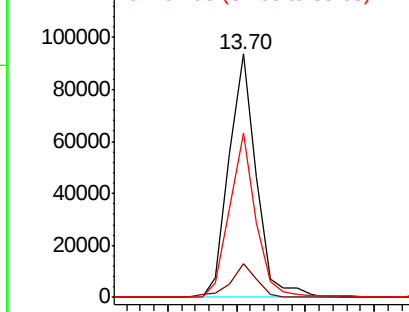
83 100

131 14.0 5.3 16.1

85 67.3 33.7 101.1



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: 22.431 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VD062858.D

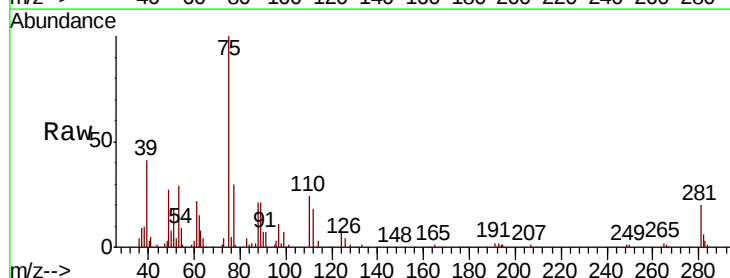
Acq: 25 Jun 2019 2:05

Tgt Ion: 75 Resp: 145071

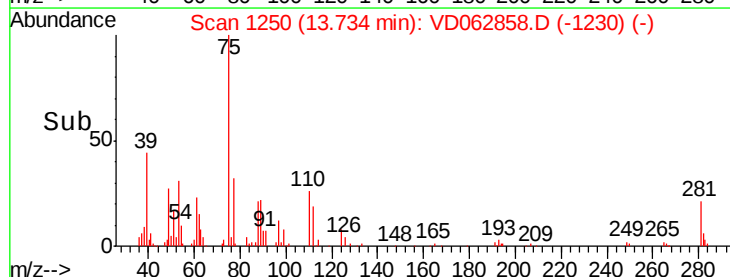
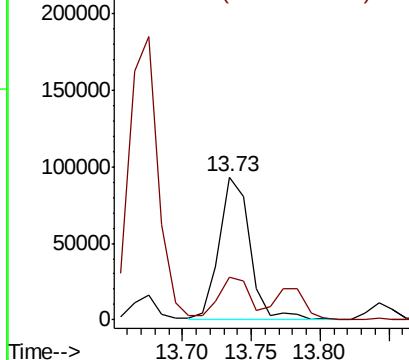
Ion Ratio Lower Upper

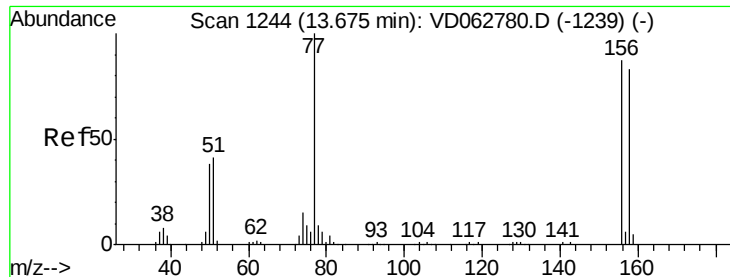
75 100

77 30.2 15.0 45.1



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





#77

Bromobenzene

Concen: 21.794 ug/l

RT: 13.68 min Scan# 1244

Delta R.T. 0.00 min

Lab File: VD062858.D

Acq: 25 Jun 2019 2:05

Instrument :

MSVOA_D

ClientSampleId :

VD0624SBSD02

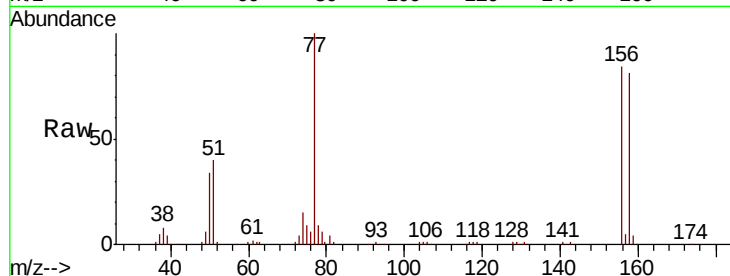
Tot Ion:156 Resp: 210571

Ion Ratio Lower Upper

156 100

77 119.1 57.7 173.1

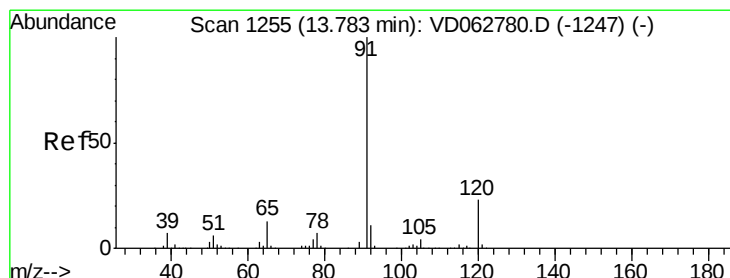
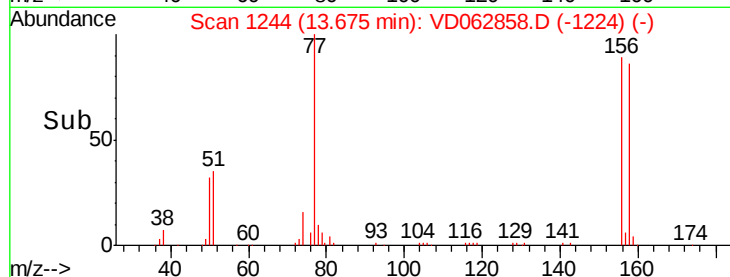
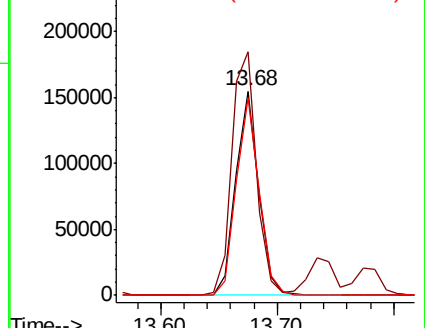
158 96.4 47.7 143.1



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: 19.094 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.01 min

Lab File: VD062858.D

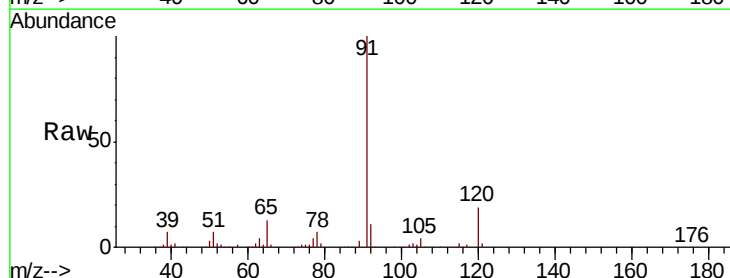
Acq: 25 Jun 2019 2:05

Tgt Ion: 91 Resp: 798291

Ion Ratio Lower Upper

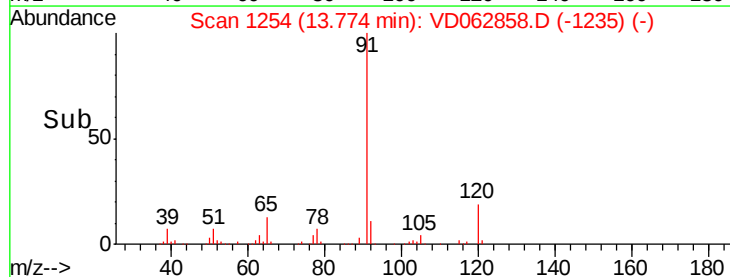
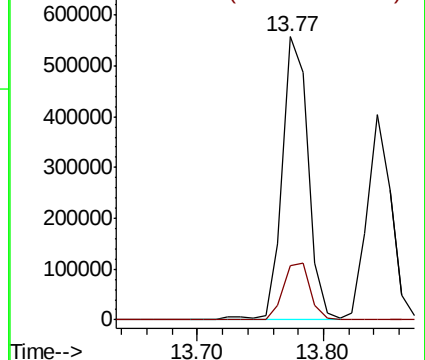
91 100

120 19.3 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 22.226 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VD062858.D

Acq: 25 Jun 2019 2:05

Instrument :

MSVOA_D

ClientSampleId :

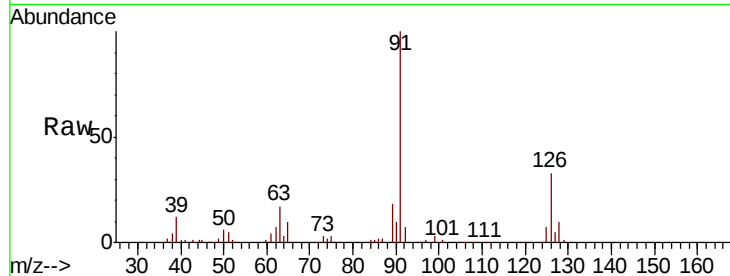
VD0624SBSD02

Tot Ion: 91 Resp: 531043

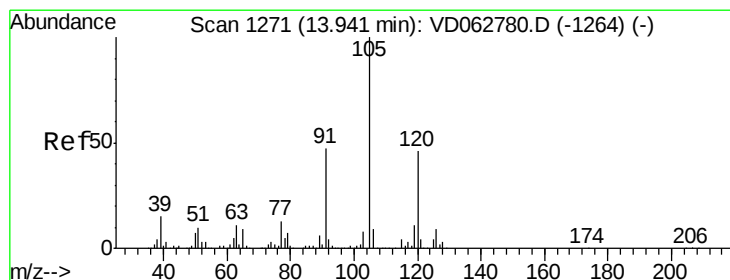
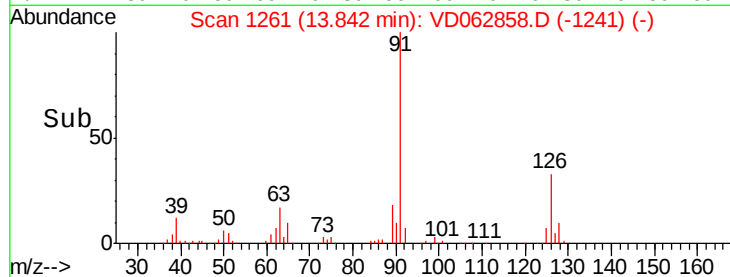
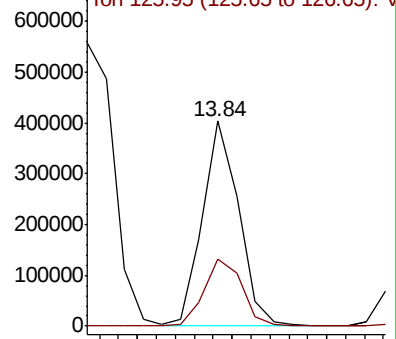
Ion Ratio Lower Upper

91 100

126 32.7 15.7 47.1



Abundance Ion 91.00 (90.70 to 91.70): V



#80

1,3,5-Trimethylbenzene

Concen: 21.273 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VD062858.D

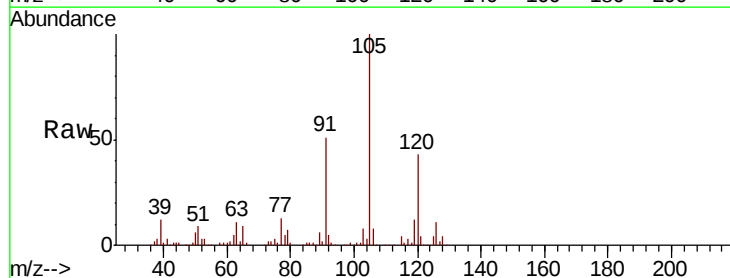
Acq: 25 Jun 2019 2:05

Tgt Ion: 105 Resp: 641855

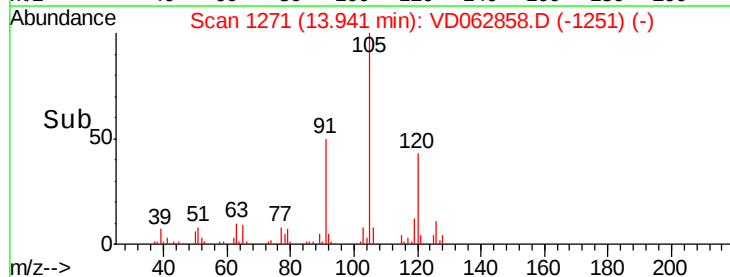
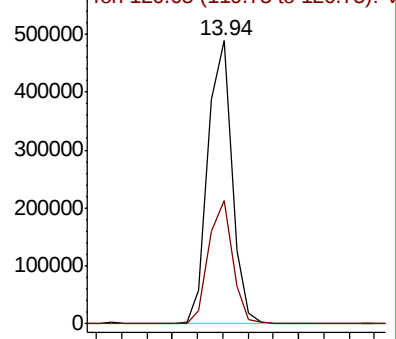
Ion Ratio Lower Upper

105 100

120 43.4 23.1 69.2



Abundance Ion 105.05 (104.75 to 105.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 19.799 ug/l

RT: 13.48 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VD062858.D

Acq: 25 Jun 2019 2:05

Instrument :

MSVOA_D

ClientSampleId :

VD0624SBS02

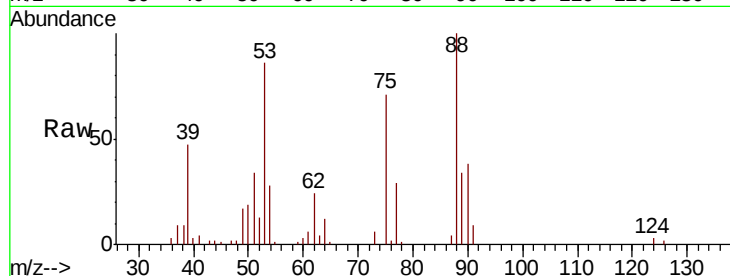
Tot Ion: 75 Resp: 33559

Ion Ratio Lower Upper

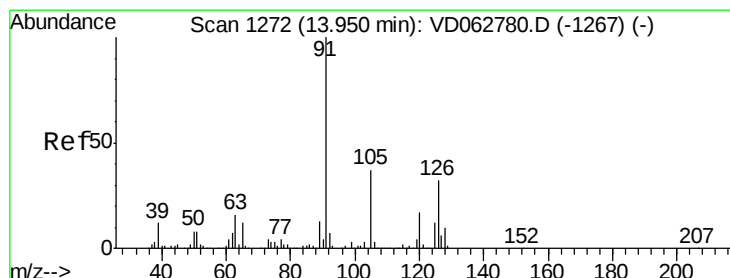
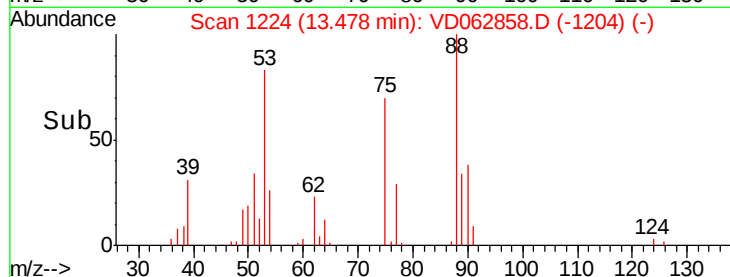
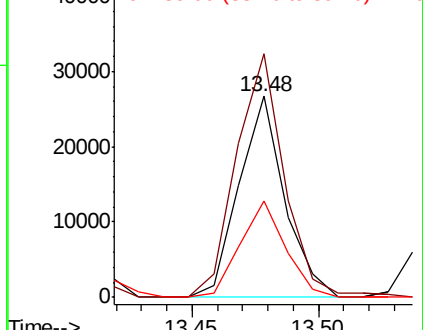
75 100

53 121.2 97.8 146.8

89 47.7 39.4 59.2



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 21.069 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VD062858.D

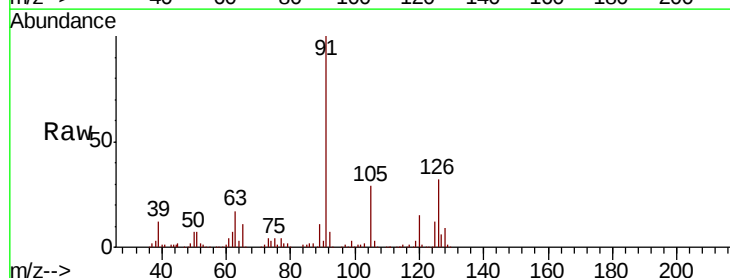
Acq: 25 Jun 2019 2:05

Tgt Ion: 91 Resp: 606047

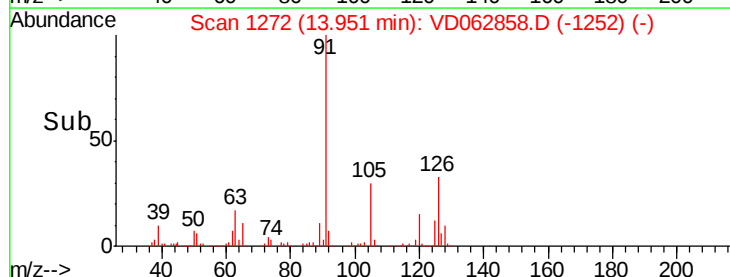
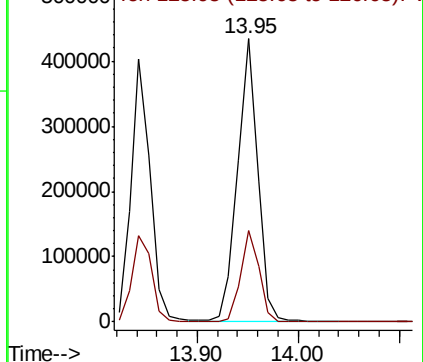
Ion Ratio Lower Upper

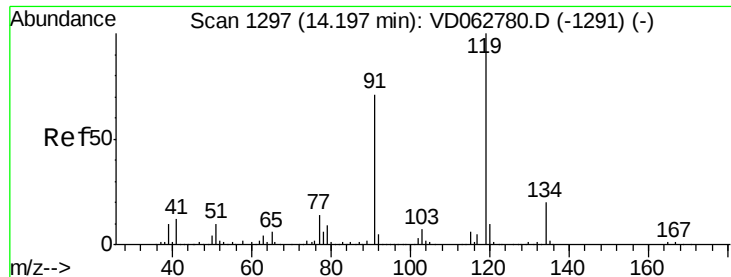
91 100

126 32.3 16.0 47.9



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





#83

tert-Butylbenzene

Concen: 18.968 ug/l

RT: 14.20 min Scan# 1297

Delta R.T. 0.00 min

Lab File: VD062858.D

Acq: 25 Jun 2019 2:05

Instrument :

MSVOA_D

ClientSampleId :

VD0624SBSD02

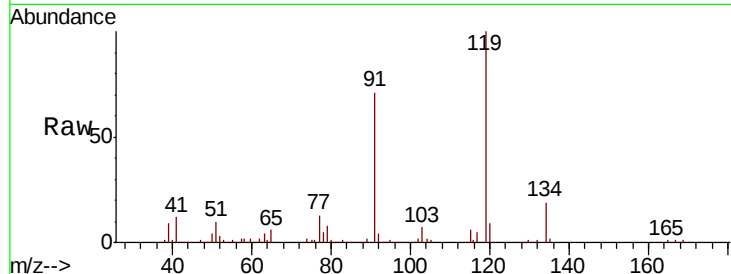
Tot Ion:119 Resp: 637908

Ion Ratio Lower Upper

119 100

91 70.5 35.5 106.5

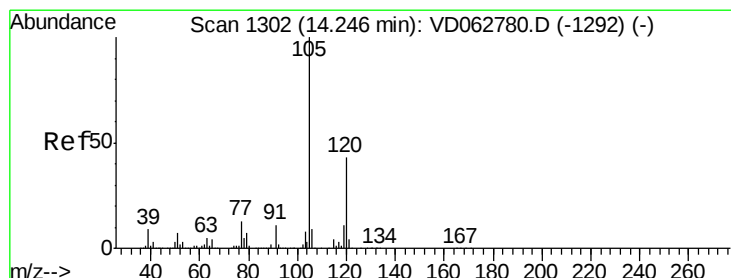
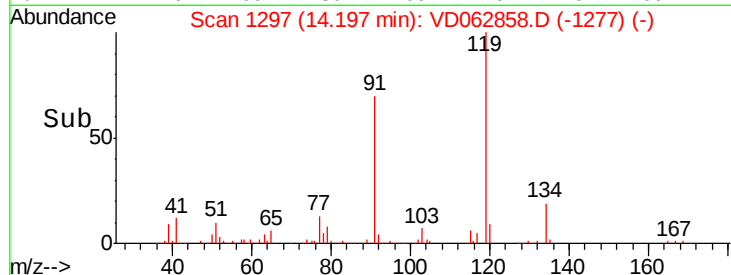
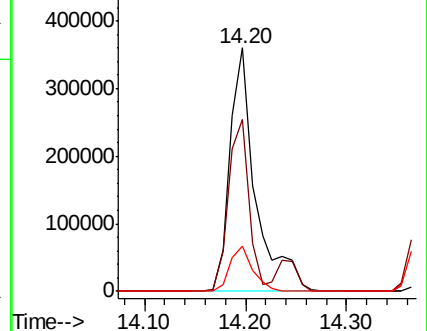
134 18.5 10.2 30.6



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.899 ug/l

RT: 14.25 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VD062858.D

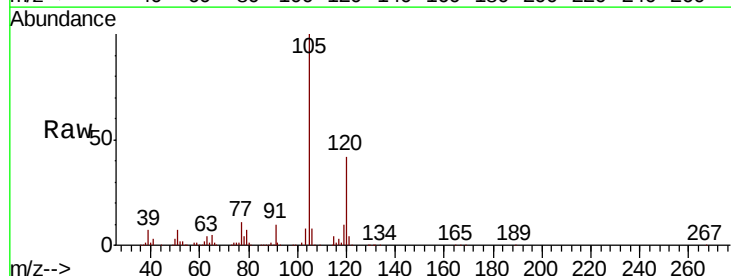
Acq: 25 Jun 2019 2:05

Tgt Ion:105 Resp: 646306

Ion Ratio Lower Upper

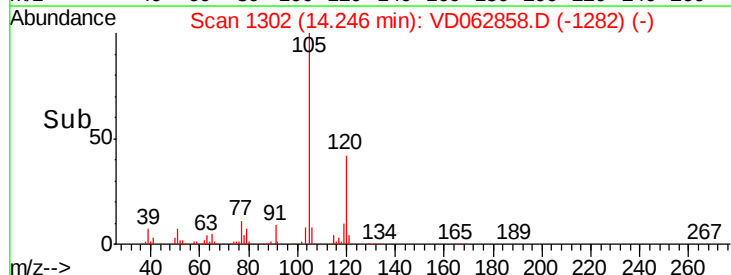
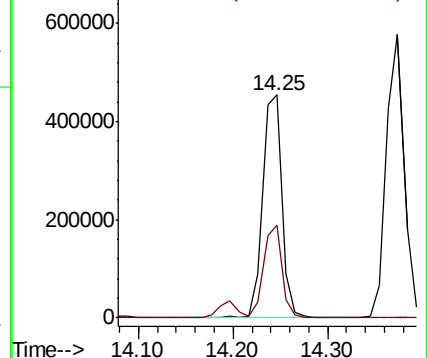
105 100

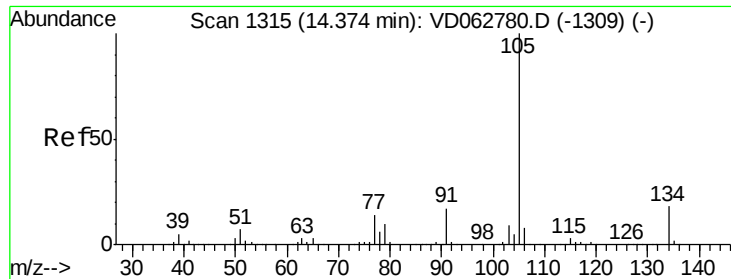
120 41.7 21.3 63.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 20.693 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VD062858.D

Acq: 25 Jun 2019 2:05

Instrument :

MSVOA_D

ClientSampleId :

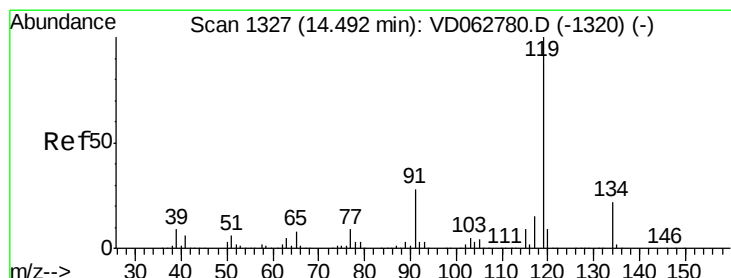
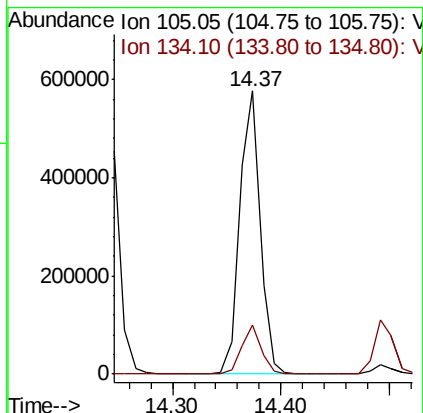
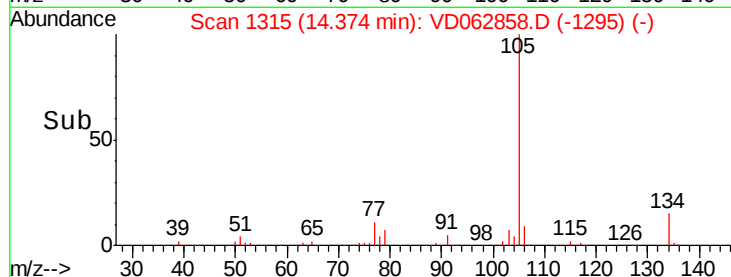
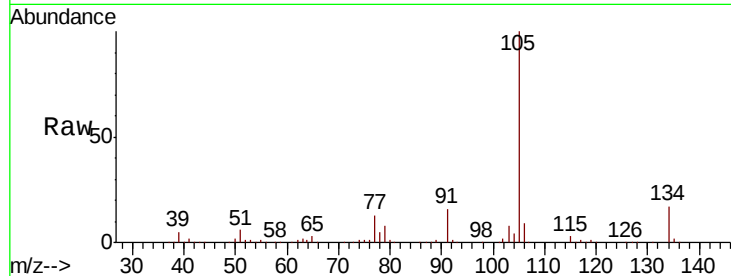
VD0624SBS02

Tot Ion:105 Resp: 756391

Ion Ratio Lower Upper

105 100

134 17.2 9.1 27.3



#86

p-Isopropyltoluene

Concen: 19.225 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. 0.00 min

Lab File: VD062858.D

Acq: 25 Jun 2019 2:05

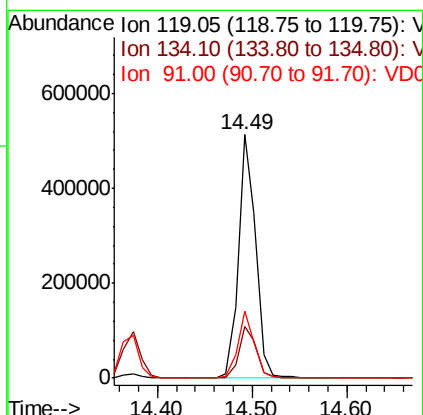
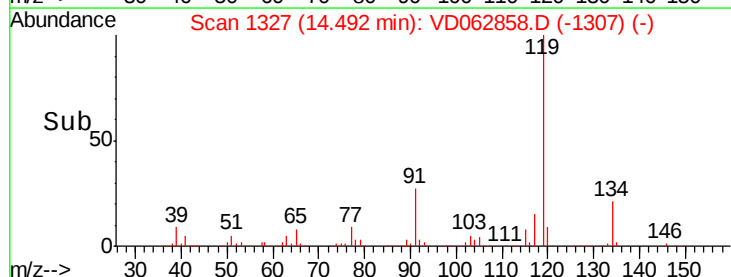
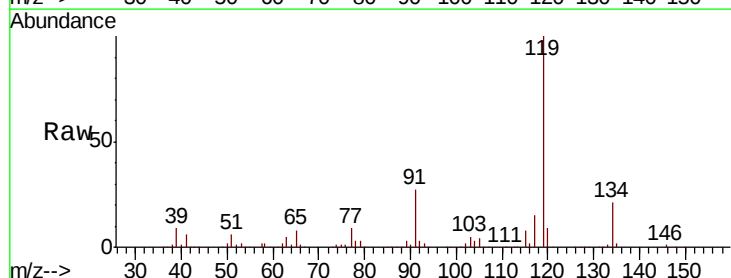
Tgt Ion:119 Resp: 642885

Ion Ratio Lower Upper

119 100

134 21.3 11.1 33.1

91 27.5 14.0 41.9

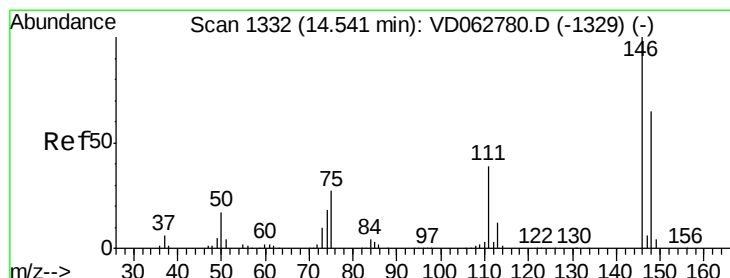
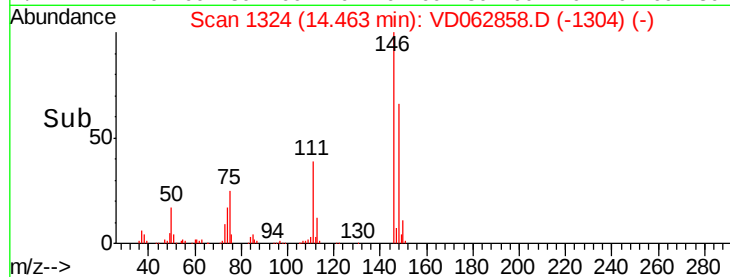
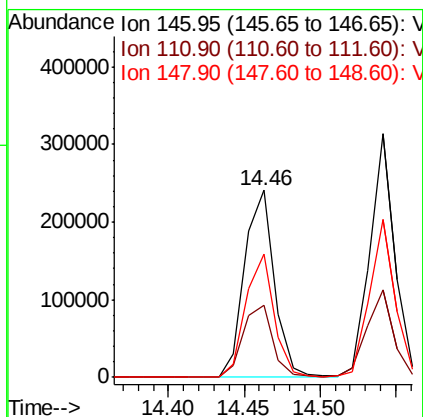
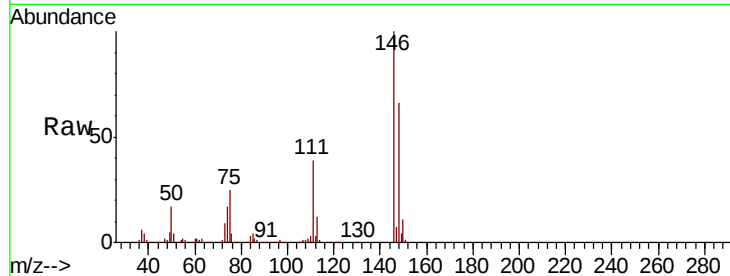




#87
 1,3-Dichlorobenzene
 Concen: 19.132 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VD062858.D
 Acq: 25 Jun 2019 2:05

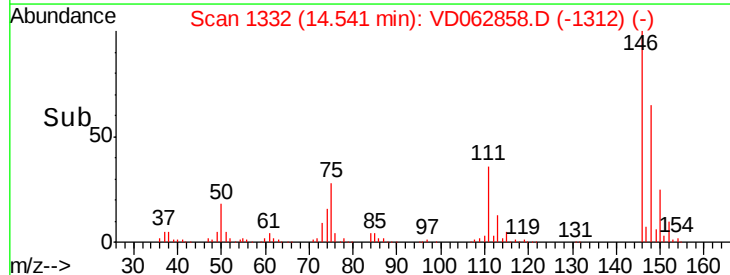
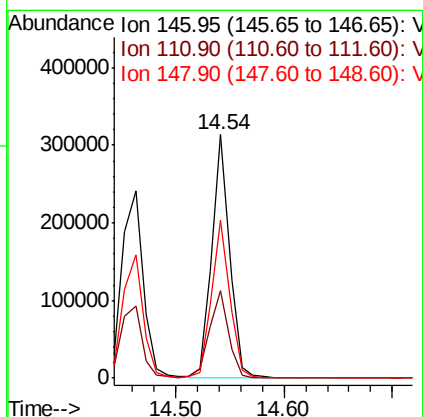
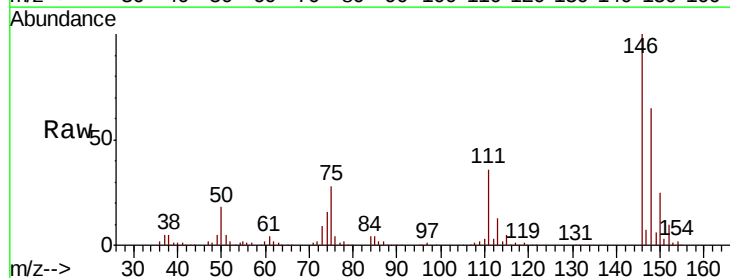
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0624SBS02

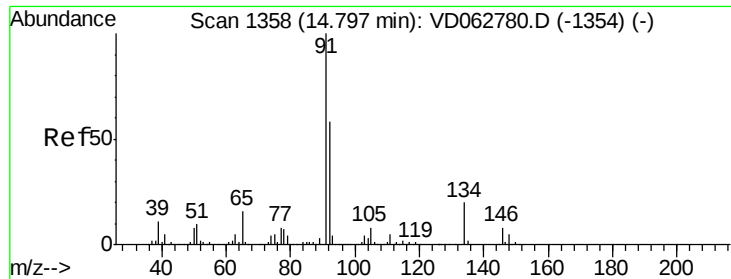
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.0	57.0
148	66.0	30.8	92.3



#88
 1,4-Dichlorobenzene
 Concen: 20.807 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. 0.00 min
 Lab File: VD062858.D
 Acq: 25 Jun 2019 2:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.0	19.7	59.1
148	64.8	32.8	98.3





#89

n-Butylbenzene

Concen: 19.398 ug/l

RT: 14.80 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VD062858.D

Acq: 25 Jun 2019 2:05

Instrument :

MSVOA_D

ClientSampleId :

VD0624SBS02

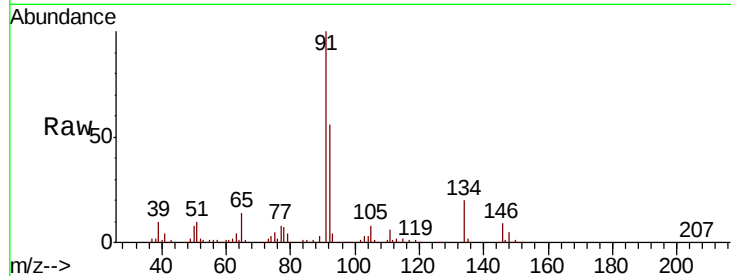
Tot Ion: 91 Resp: 607131

Ion Ratio Lower Upper

91 100

92 56.2 28.9 86.7

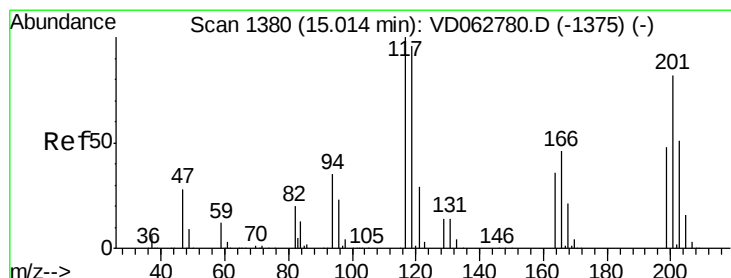
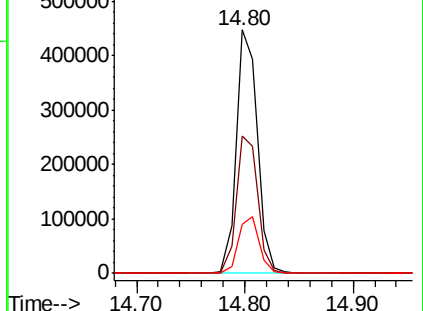
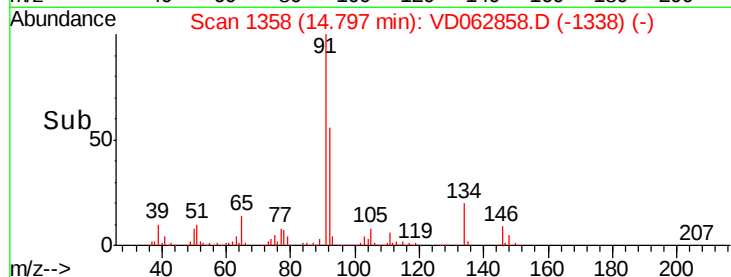
134 20.2 10.1 30.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 19.181 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VD062858.D

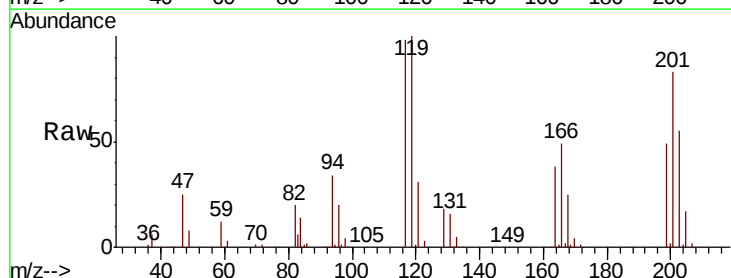
Acq: 25 Jun 2019 2:05

Tgt Ion: 117 Resp: 172456

Ion Ratio Lower Upper

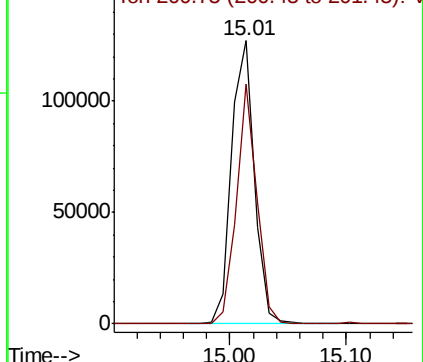
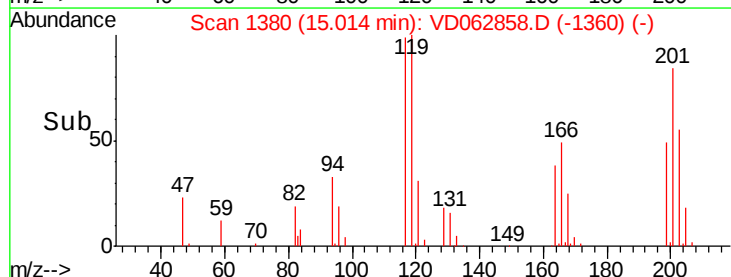
117 100

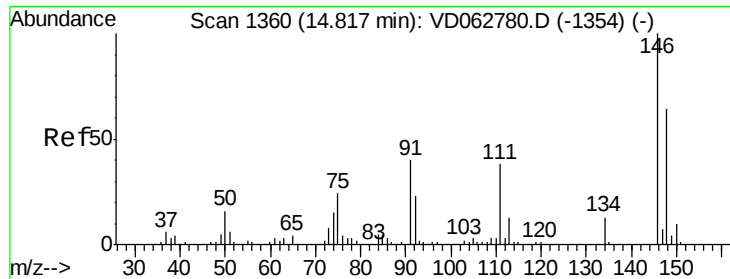
201 84.7 40.8 122.2



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

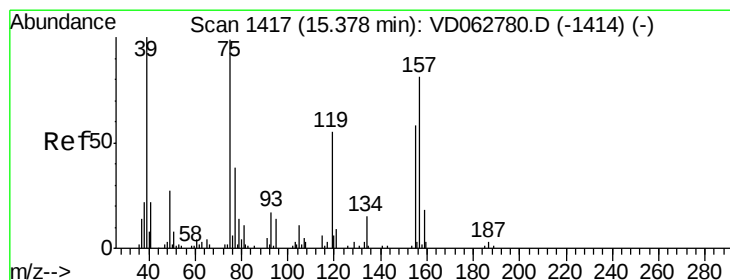
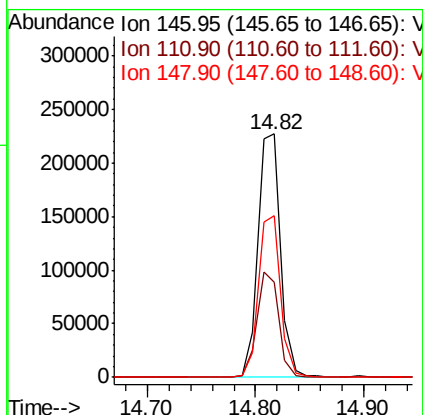
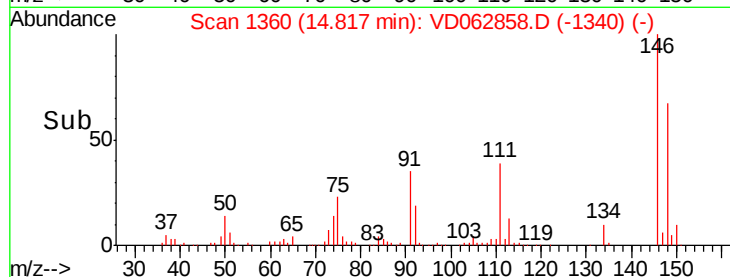
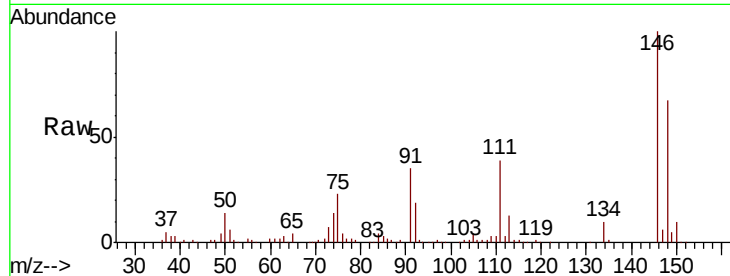




#91
 1,2-Dichlorobenzene
 Concen: 22.312 ug/l
 RT: 14.82 min Scan# 1360
 Delta R.T. 0.00 min
 Lab File: VD062858.D
 Acq: 25 Jun 2019 2:05

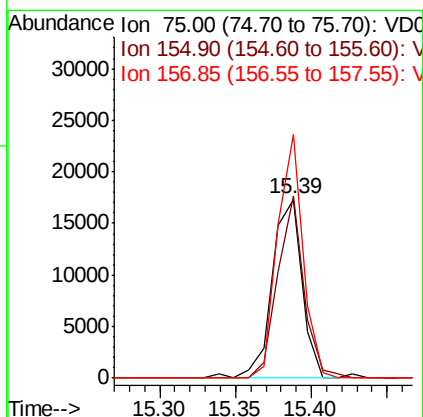
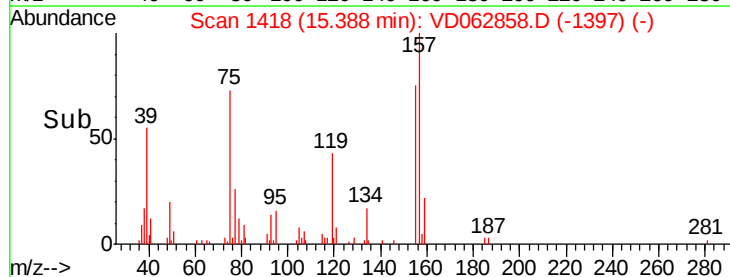
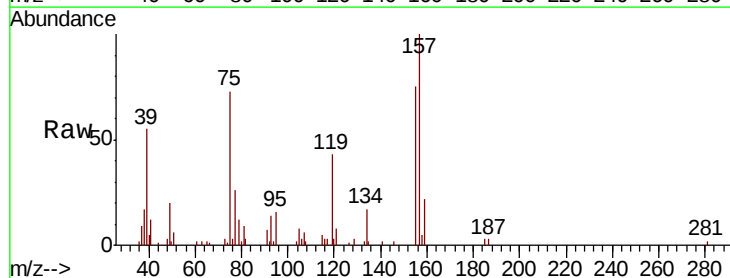
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0624SBSD02

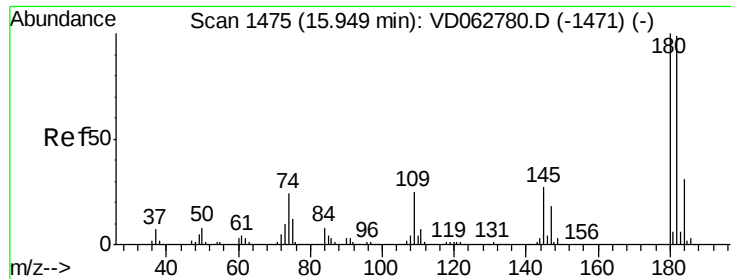
Tot Ion:146 Resp: 330619
 Ion Ratio Lower Upper
 146 100
 111 38.9 19.1 57.1
 148 66.7 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.004 ug/l
 RT: 15.39 min Scan# 1418
 Delta R.T. 0.01 min
 Lab File: VD062858.D
 Acq: 25 Jun 2019 2:05

Tgt Ion: 75 Resp: 23994
 Ion Ratio Lower Upper
 75 100
 155 102.1 29.3 87.8#
 157 136.4 41.3 123.7#

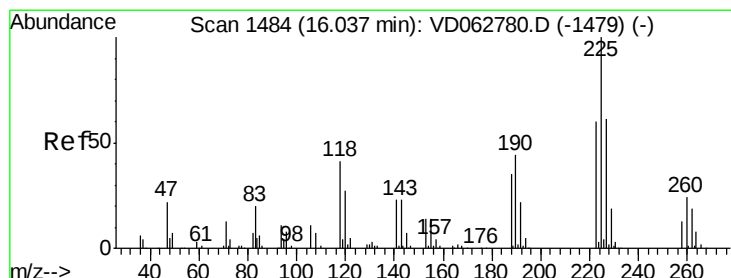
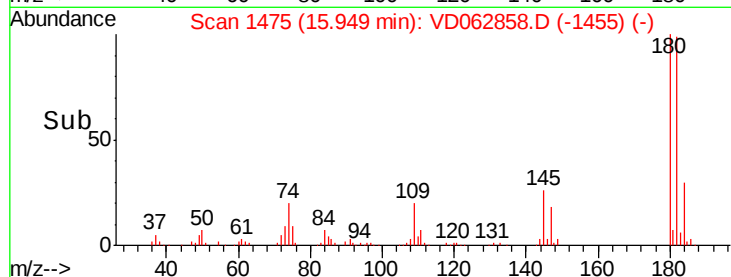
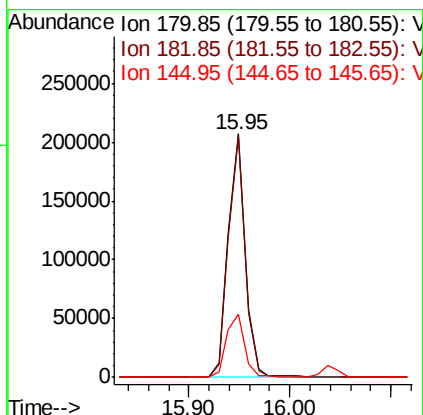
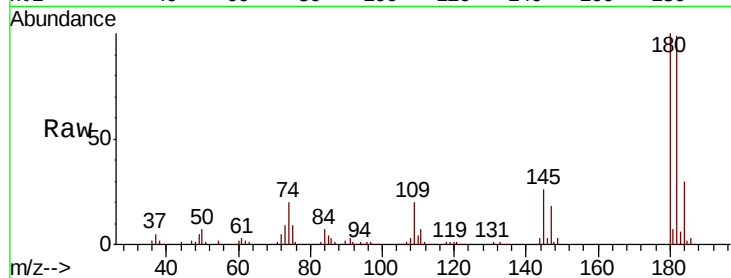




#93
 1,2,4-Trichlorobenzene
 Concen: 21.134 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD062858.D
 Acq: 25 Jun 2019 2:05

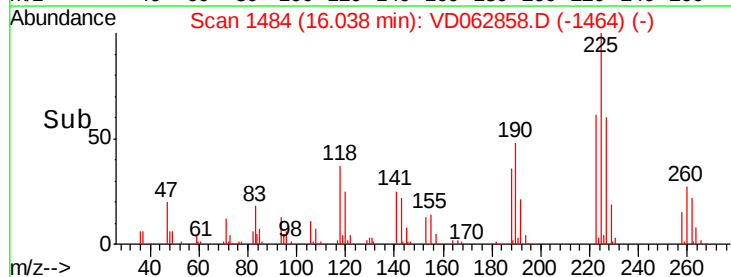
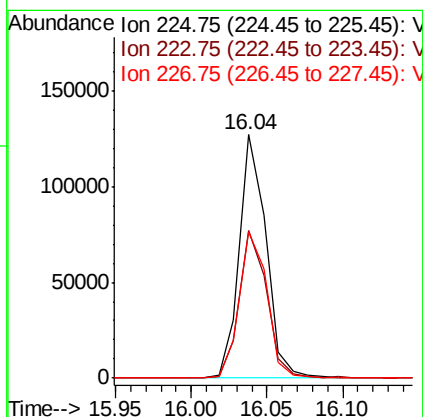
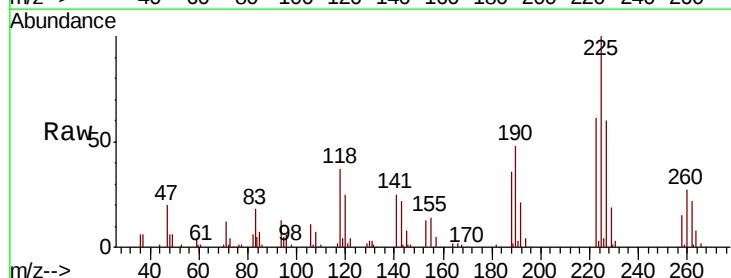
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0624SBSD02

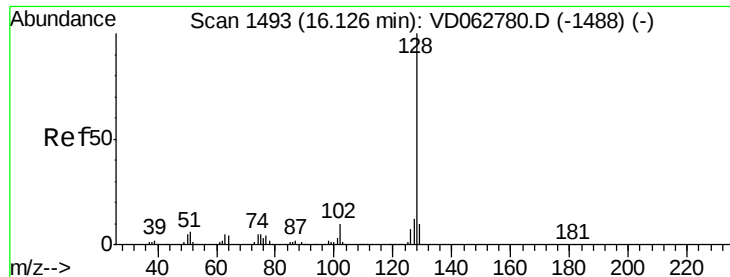
Tot Ion:180 Resp: 244627
 Ion Ratio Lower Upper
 180 100
 182 98.8 49.5 148.5
 145 26.1 13.7 41.0



#94
 Hexachlorobutadiene
 Concen: 17.592 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD062858.D
 Acq: 25 Jun 2019 2:05

Tgt Ion:225 Resp: 155563
 Ion Ratio Lower Upper
 225 100
 223 60.8 29.8 89.5
 227 60.3 30.6 91.6





#95

Naphthalene

Concen: 22.666 ug/l

RT: 16.13 min Scan# 1493

Delta R.T. 0.00 min

Lab File: VD062858.D

Acq: 25 Jun 2019 2:05

Instrument :

MSVOA_D

ClientSampleId :

VD0624SBSD02

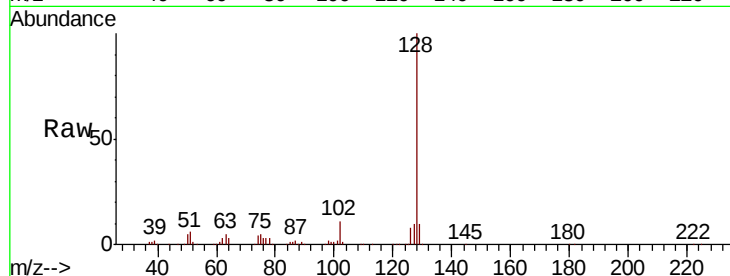
Tot Ion:128 Resp: 367733

Ion Ratio Lower Upper

128 100

127 9.9 9.7 14.5

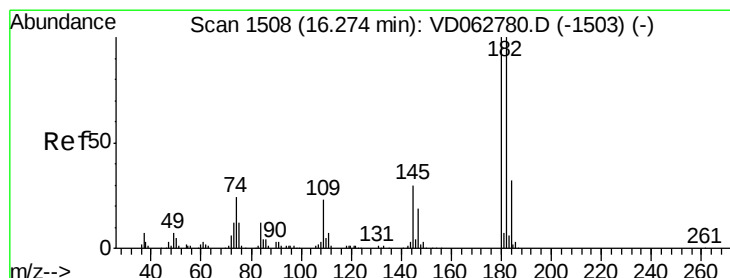
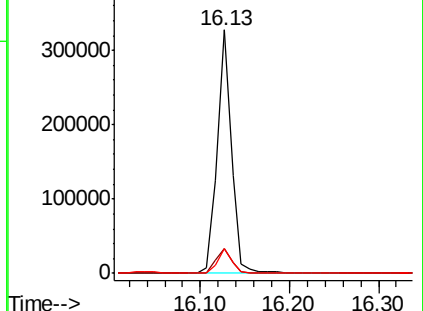
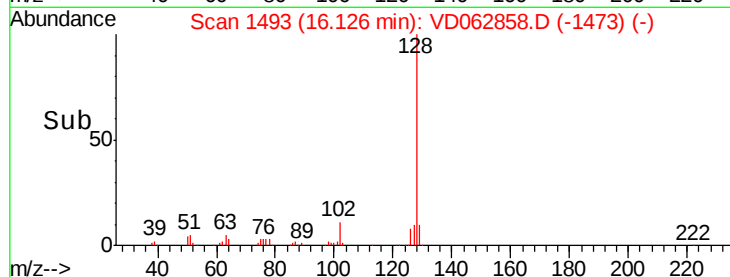
129 10.3 8.3 12.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 21.010 ug/l

RT: 16.27 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VD062858.D

Acq: 25 Jun 2019 2:05

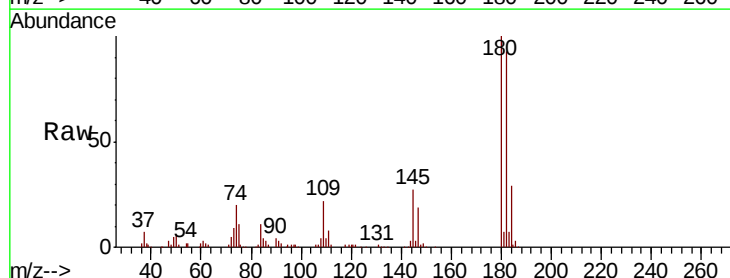
Tgt Ion:180 Resp: 186856

Ion Ratio Lower Upper

180 100

182 92.9 49.9 149.6

145 27.4 15.2 45.5



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

