

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD073119\
 Data File : VD063270.D
 Acq On : 31 Jul 2019 11:16
 Operator : VA/AP
 Sample : VD0731SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0731SBS01

Quant Time: Aug 01 04:00:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:04:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	1161020	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1554472	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	1326129	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	694014	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	617804	47.96	ug/l	0.00
Spiked Amount			Recovery	=	95.92%	
35) Dibromofluoromethane	6.92	113	642891	48.44	ug/l	0.02
Spiked Amount			Recovery	=	96.88%	
50) Toluene-d8	10.41	98	1433942	48.28	ug/l	0.00
Spiked Amount			Recovery	=	96.56%	
62) 4-Bromofluorobenzene	13.55	95	620110	45.81	ug/l	0.00
Spiked Amount			Recovery	=	91.62%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	309700	21.822	ug/l	92
3) Chloromethane	1.75	50	225584	20.459	ug/l	92
4) Vinyl Chloride	1.84	62	236828	20.748	ug/l	97
5) Bromomethane	2.14	94	102018	17.721	ug/l	89
6) Chloroethane	2.25	64	101984	19.351	ug/l	90
7) Trichlorofluoromethane	2.52	101	439067	19.827	ug/l	99
8) Diethyl Ether	2.88	74	51919	16.752	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	3.13	101	248205	20.234	ug/l	98
10) Methyl Iodide	3.30	142	306469	17.295	ug/l	92
11) Tert butyl alcohol	4.09	59	54957	97.208	ug/l	97
12) 1,1-Dichloroethene	3.11	96	185128	20.558	ug/l	82
13) Acrolein	3.02	56	50739	93.254	ug/l	94
14) Allyl chloride	3.61	41	275338	19.193	ug/l	88
15) Acrylonitrile	4.20	53	148306	101.183	ug/l	87
16) Acetone	3.22	43	251611	100.242	ug/l	98
17) Carbon Disulfide	3.36	76	609222	20.212	ug/l	95
18) Methyl Acetate	3.64	43	92853	19.259	ug/l	98
19) Methyl tert-butyl Ether	4.23	73	390343	19.189	ug/l	100
20) Methylene Chloride	3.80	84	192496	18.973	ug/l	92
21) trans-1,2-Dichloroethene	4.21	96	201948	19.986	ug/l	89
22) Diisopropyl ether	5.11	45	559930	19.536	ug/l	93
23) Vinyl Acetate	5.04	43	1803077	102.342	ug/l	100
24) 1,1-Dichloroethane	4.98	63	361304	19.735	ug/l	98
25) 2-Butanone	6.07	43	248294	98.567	ug/l	98
26) 2,2-Dichloropropane	6.02	77	362277	19.202	ug/l	96
27) cis-1,2-Dichloroethene	6.03	96	212335	19.600	ug/l	93
28) Bromochloromethane	6.42	49	137566	18.860	ug/l	89
29) Tetrahydrofuran	6.46	42	116249	97.472	ug/l	99
30) Chloroform	6.66	83	452550	19.919	ug/l	97
31) Cyclohexane	6.94	56	220571	19.221	ug/l	96
32) 1,1,1-Trichloroethane	6.86	97	426487	19.407	ug/l	99
36) 1,1-Dichloropropene	7.13	75	296434	20.895	ug/l	98
37) Ethyl Acetate	6.18	43	131767	20.674	ug/l #	95
38) Carbon Tetrachloride	7.10	117	452666	21.195	ug/l	93

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 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:04:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	232609	19.680	ug/l	92
40) Benzene	7.44	78	611141	20.555	ug/l	99
41) Methacrylonitrile	6.45	41	149852	19.656	ug/l #	78
42) 1,2-Dichloroethane	7.57	62	328997	20.879	ug/l	96
43) Isopropyl Acetate	9.24	43	171756	21.097	ug/l #	96
44) Trichloroethene	8.54	130	244380	20.284	ug/l	90
45) 1,2-Dichloropropane	8.93	63	146201	19.346	ug/l	92
46) Dibromomethane	9.06	93	127532	20.296	ug/l	93
47) Bromodichloromethane	9.37	83	327235	20.429	ug/l	97
48) Methyl methacrylate	9.12	41	111749	21.164	ug/l	93
49) 1,4-Dioxane	9.08	88	21361	475.403	ug/l #	67
51) 4-Methyl-2-Pentanone	10.30	43	590193	106.594	ug/l	95
52) Toluene	10.51	92	422180	21.349	ug/l	99
53) t-1,3-Dichloropropene	10.91	75	280797	20.334	ug/l	91
54) cis-1,3-Dichloropropene	10.03	75	296823	20.452	ug/l	93
55) 1,1,2-Trichloroethane	11.19	97	134972	20.209	ug/l	93
56) Ethyl methacrylate	11.04	69	158627	21.690	ug/l	95
57) 1,3-Dichloropropane	11.40	76	208405	19.805	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.86	63	371130	97.526	ug/l	98
59) 2-Hexanone	11.53	43	420287	105.333	ug/l	98
60) Dibromochloromethane	11.68	129	254387	20.176	ug/l	96
61) 1,2-Dibromoethane	11.81	107	172593	20.943	ug/l	98
64) Tetrachloroethene	11.25	164	214796	20.331	ug/l	95
65) Chlorobenzene	12.40	112	510081	19.997	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.50	131	231162	20.574	ug/l	97
67) Ethyl Benzene	12.51	91	879421	20.295	ug/l	97
68) m/p-Xylenes	12.66	106	603794	37.996	ug/l	93
69) o-Xylene	13.05	106	287541	19.704	ug/l	93
70) Styrene	13.07	104	538263	20.799	ug/l	98
71) Bromoform	13.23	173	166299	20.353	ug/l	98
73) Isopropylbenzene	13.40	105	935609	21.479	ug/l	97
74) N-amyl acetate	13.26	43	228483	19.842	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	152941	20.670	ug/l	97
76) 1,2,3-Trichloropropane	13.73	75	171886	20.620	ug/l	97
77) Bromobenzene	13.67	156	253161	20.402	ug/l	89
78) n-propylbenzene	13.77	91	1028861	19.849	ug/l	93
79) 2-Chlorotoluene	13.83	91	627359	20.887	ug/l	93
80) 1,3,5-Trimethylbenzene	13.93	105	815835	21.716	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.47	75	44430	19.194	ug/l	94
82) 4-Chlorotoluene	13.94	91	776517	21.968	ug/l	97
83) tert-Butylbenzene	14.19	119	845802	19.717	ug/l	91
84) 1,2,4-Trimethylbenzene	14.24	105	684892	17.625	ug/l	100
85) sec-Butylbenzene	14.37	105	949439	21.008	ug/l	97
86) p-Isopropyltoluene	14.48	119	860164	19.941	ug/l	96
87) 1,3-Dichlorobenzene	14.45	146	452750	20.603	ug/l	97
88) 1,4-Dichlorobenzene	14.53	146	429376	19.323	ug/l	97
89) n-Butylbenzene	14.80	91	811981	21.794	ug/l	98
90) Hexachloroethane	15.01	117	222752	19.820	ug/l	91
91) 1,2-Dichlorobenzene	14.81	146	406661	21.240	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.38	75	28917	19.187	ug/l	90

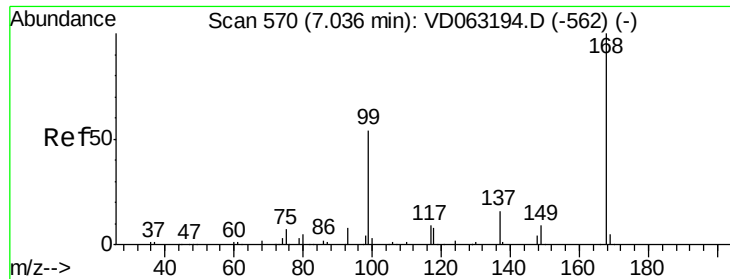
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD073119\
Data File : VD063270.D
Acq On : 31 Jul 2019 11:16
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Quant Title : SW846 8260
QLast Update : Tue Jul 30 03:04:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	300007	19.752	ug/l	98
94) Hexachlorobutadiene	16.03	225	221075	20.085	ug/l	89
95) Naphthalene	16.12	128	392675	18.292	ug/l	96
96) 1,2,3-Trichlorobenzene	16.27	180	233752	19.481	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.01 min

Lab File: VD063270.D

Acq: 31 Jul 2019 11:16

Instrument :

MSVOA_D

ClientSampleId :

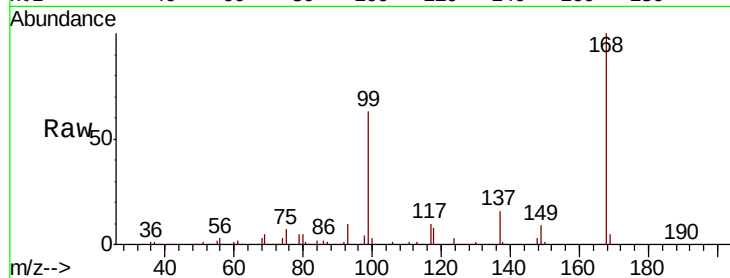
VD0731SBS01

Tot Ion:168 Resp: 1161020

Ion Ratio Lower Upper

168 100

99 62.6 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

400000

300000

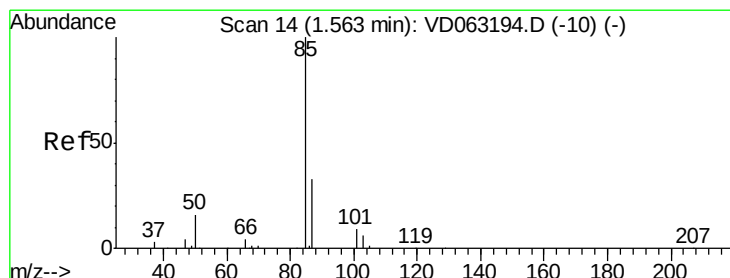
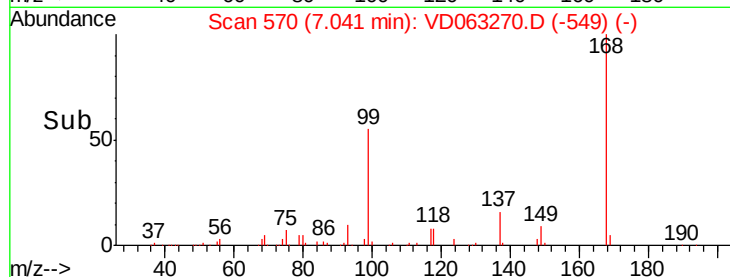
200000

100000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 21.822 ug/l

RT: 1.57 min Scan# 14

Delta R.T. 0.01 min

Lab File: VD063270.D

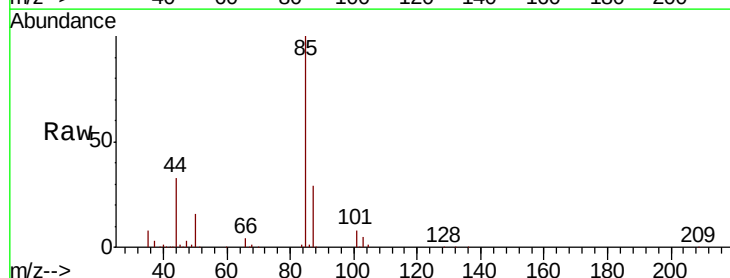
Acq: 31 Jul 2019 11:16

Tgt Ion: 85 Resp: 309700

Ion Ratio Lower Upper

85 100

87 28.8 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.57

150000

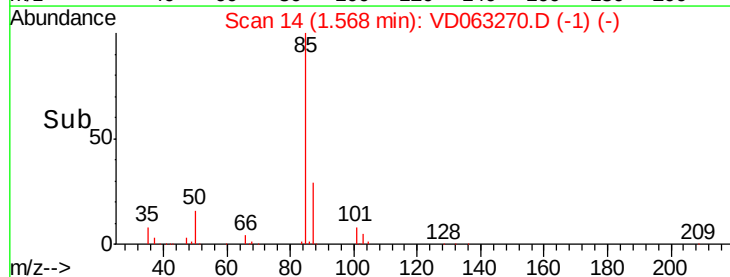
100000

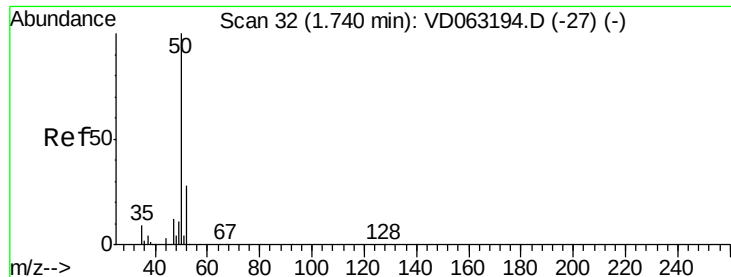
50000

0

1.50 1.60 1.70

Time-->





#3

Chloromethane

Concen: 20.459 ug/l

RT: 1.75 min Scan# 32

Delta R.T. 0.01 min

Lab File: VD063270.D

Acq: 31 Jul 2019 11:16

Instrument :

MSVOA_D

ClientSampleId :

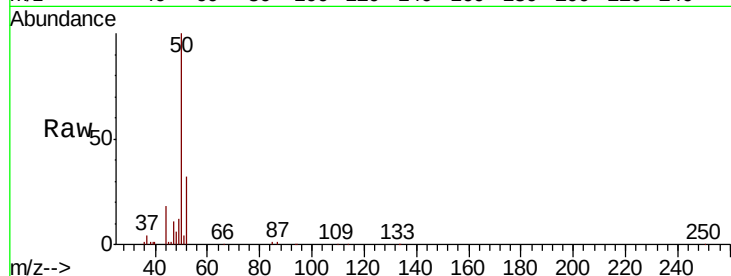
VD0731SBS01

Tot Ion: 50 Resp: 225584

Ion Ratio Lower Upper

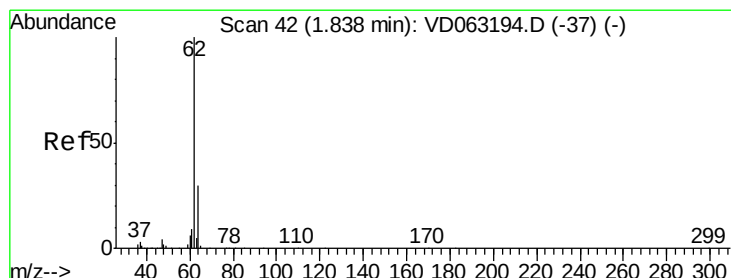
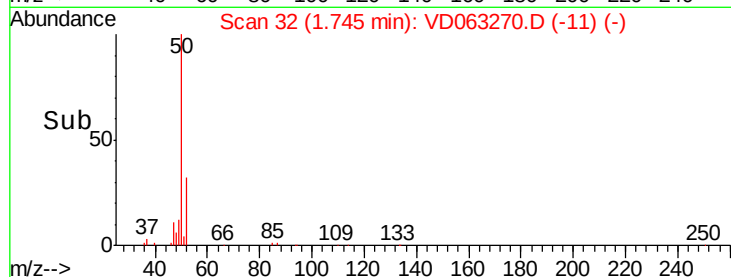
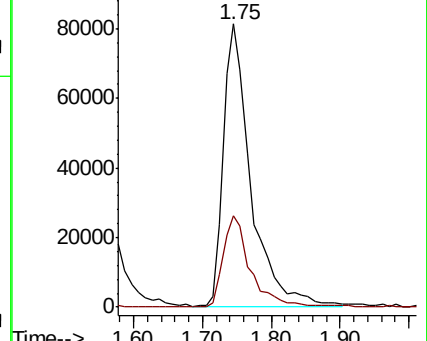
50 100

52 32.5 22.6 34.0



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 20.748 ug/l

RT: 1.84 min Scan# 42

Delta R.T. 0.01 min

Lab File: VD063270.D

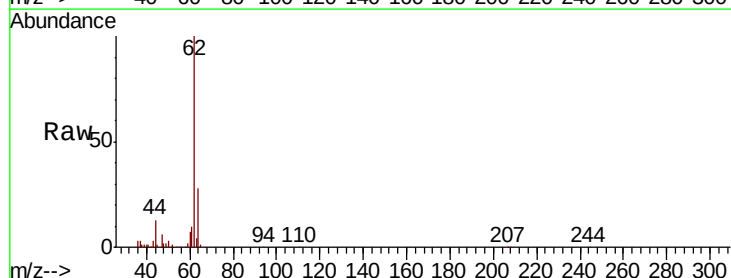
Acq: 31 Jul 2019 11:16

Tgt Ion: 62 Resp: 236828

Ion Ratio Lower Upper

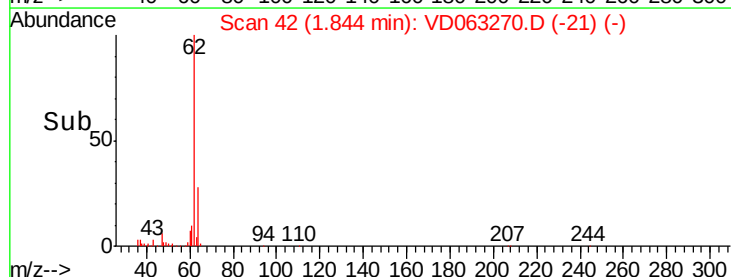
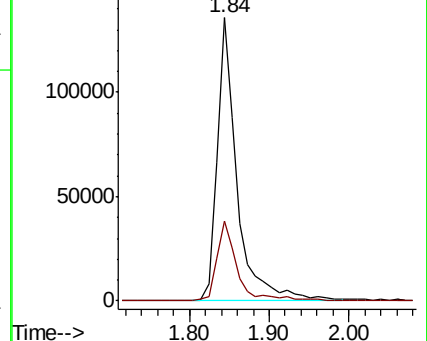
62 100

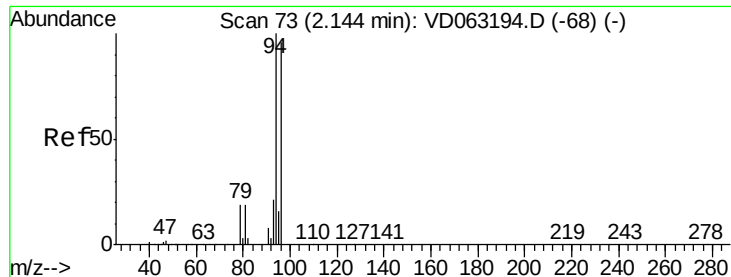
64 28.2 24.1 36.1



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 17.721 ug/l

RT: 2.14 min Scan# 72

Delta R.T. -0.00 min

Lab File: VD063270.D

Acq: 31 Jul 2019 11:16

Instrument :

MSVOA_D

ClientSampleId :

VD0731SBS01

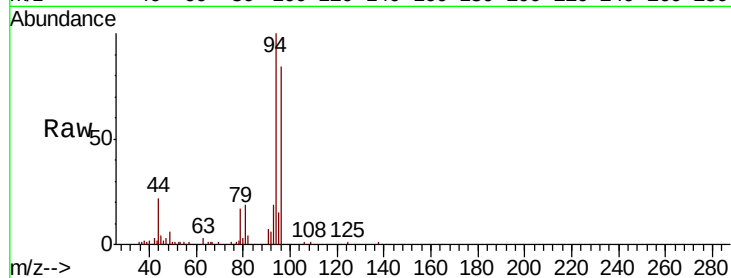
Tot Ion: 94 Resp: 102018

Ion Ratio Lower Upper

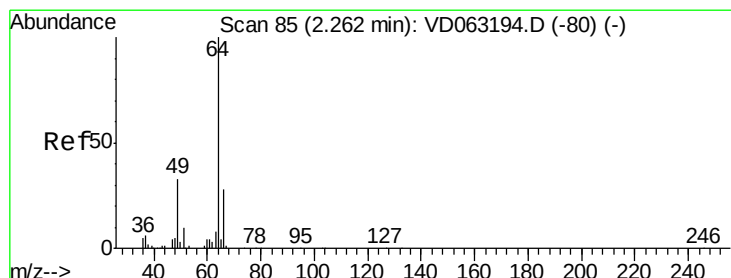
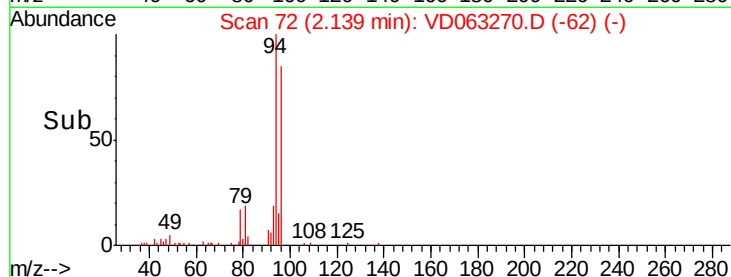
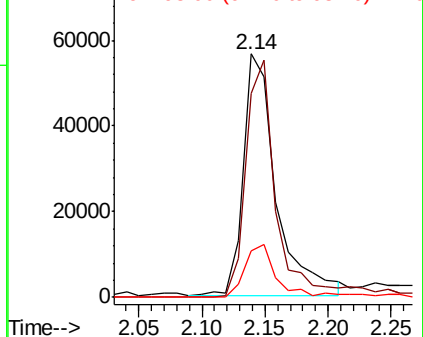
94 100

96 83.6 76.4 114.6

93 19.0 17.3 25.9



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: 19.351 ug/l

RT: 2.25 min Scan# 83

Delta R.T. -0.01 min

Lab File: VD063270.D

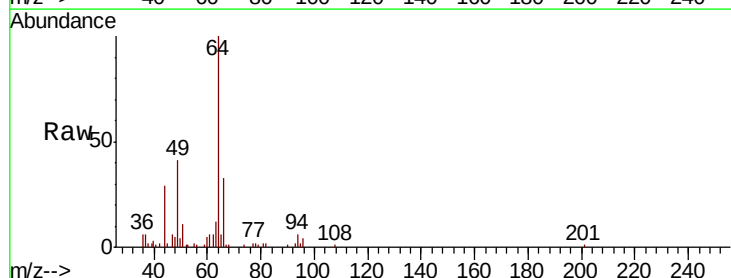
Acq: 31 Jul 2019 11:16

Tgt Ion: 64 Resp: 101984

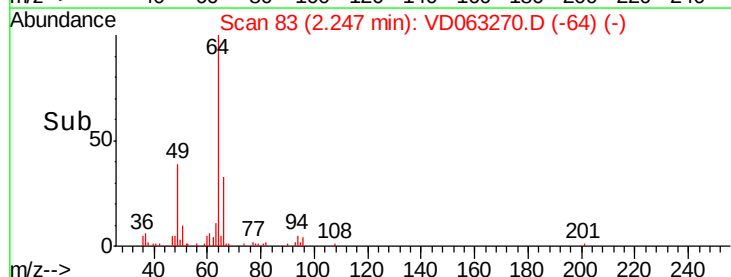
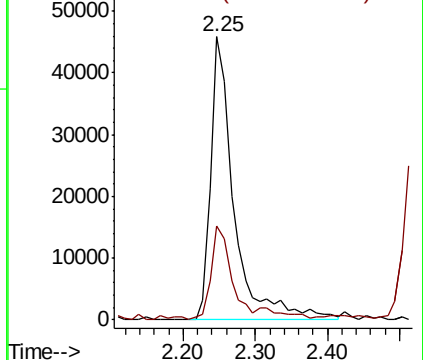
Ion Ratio Lower Upper

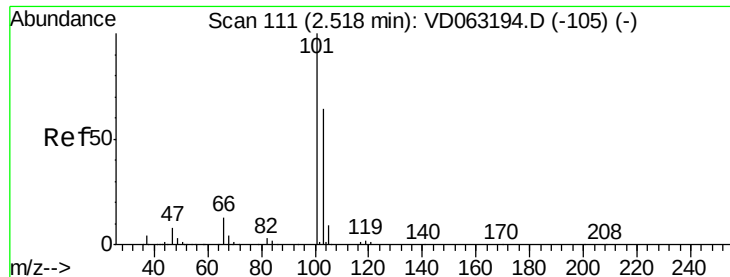
64 100

66 33.0 22.2 33.2



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



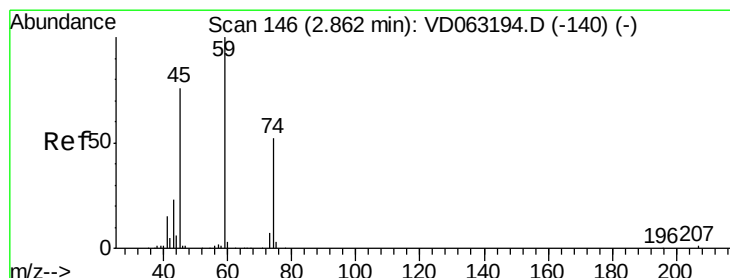
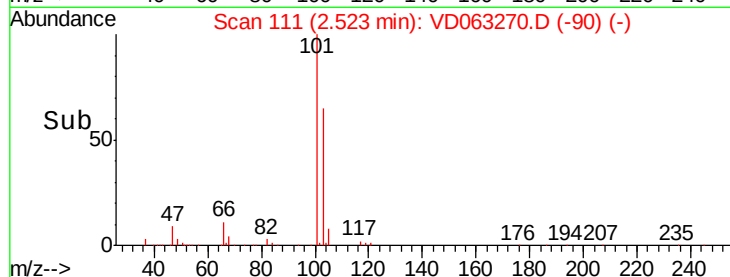
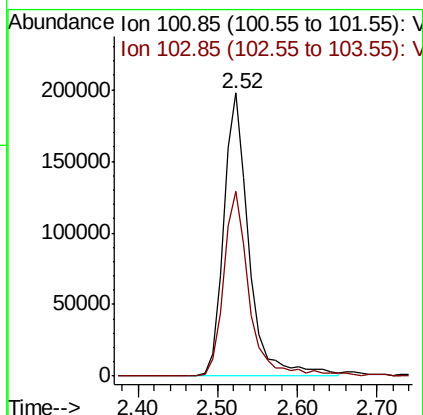
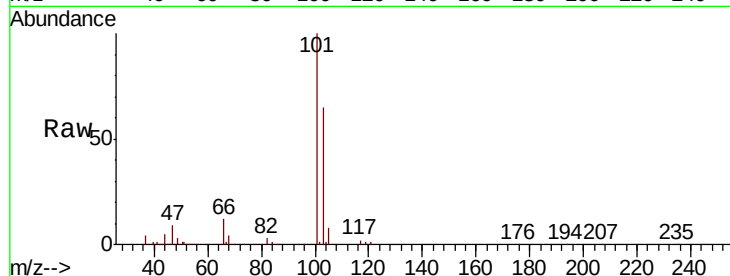


#7

Trichlorofluoromethane
 Concen: 19.827 ug/l
 RT: 2.52 min Scan# 111
 Delta R.T. 0.01 min
 Lab File: VD063270.D
 Acq: 31 Jul 2019 11:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0731SBS01

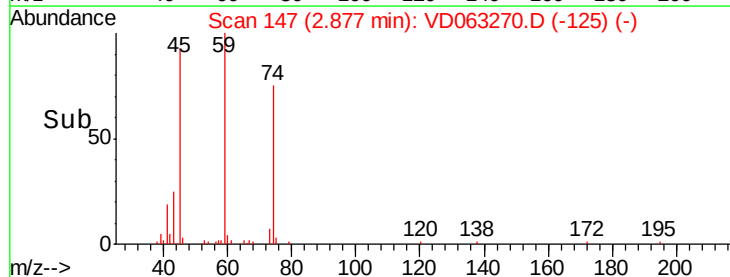
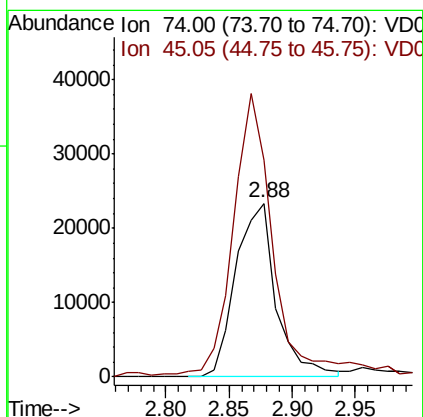
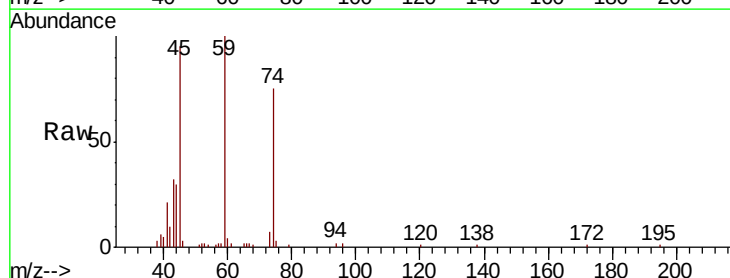
Tot Ion:101 Resp: 439067
 Ion Ratio Lower Upper
 101 100
 103 65.3 51.5 77.3

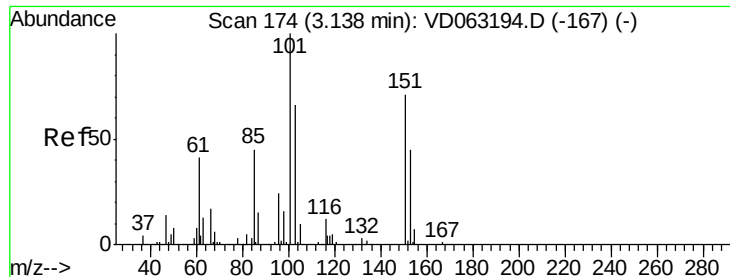


#8

Diethyl Ether
 Concen: 16.752 ug/l
 RT: 2.88 min Scan# 147
 Delta R.T. 0.02 min
 Lab File: VD063270.D
 Acq: 31 Jul 2019 11:16

Tgt Ion: 74 Resp: 51919
 Ion Ratio Lower Upper
 74 100
 45 125.3 73.6 220.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.234 ug/l

RT: 3.13 min Scan# 173

Delta R.T. -0.00 min

Lab File: VD063270.D

Acq: 31 Jul 2019 11:16

Instrument :

MSVOA_D

ClientSampleId :

VD0731SBS01

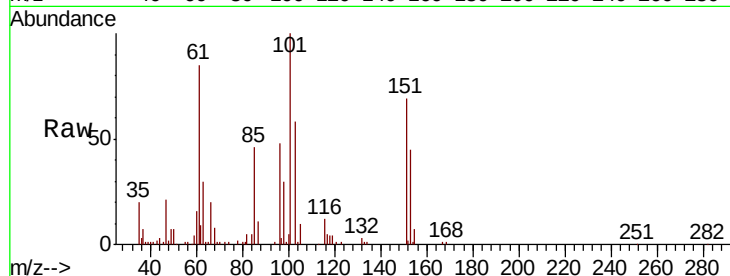
Tot Ion:101 Resp: 248205

Ion Ratio Lower Upper

101 100

85 45.5 36.1 54.1

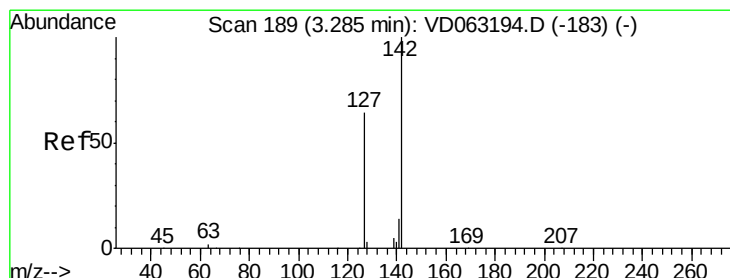
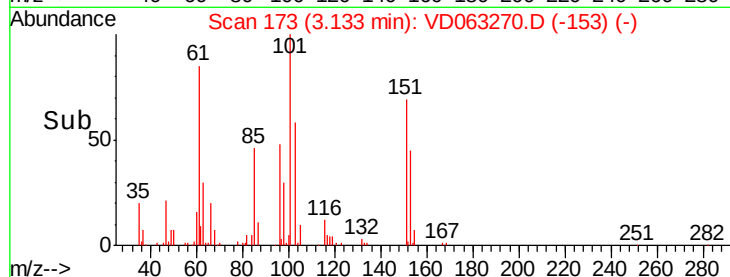
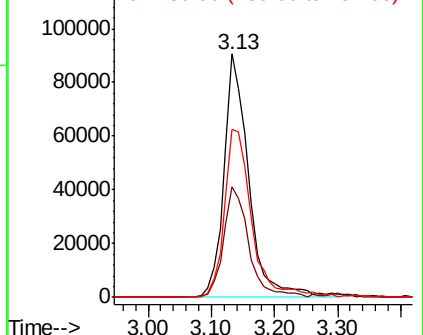
151 68.9 57.1 85.7



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: 17.295 ug/l

RT: 3.30 min Scan# 190

Delta R.T. 0.02 min

Lab File: VD063270.D

Acq: 31 Jul 2019 11:16

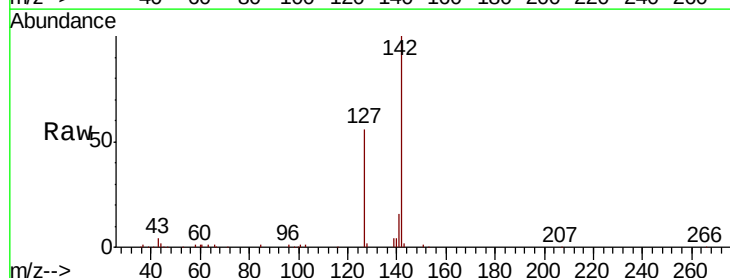
Tgt Ion:142 Resp: 306469

Ion Ratio Lower Upper

142 100

127 56.5 50.8 76.2

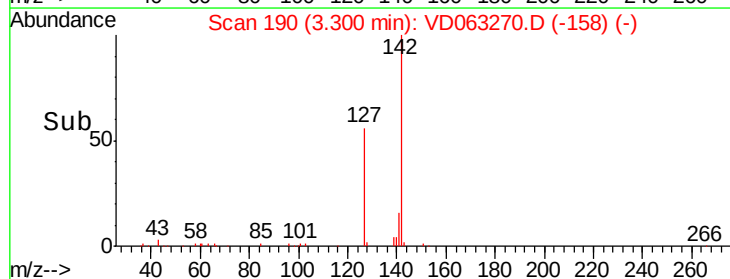
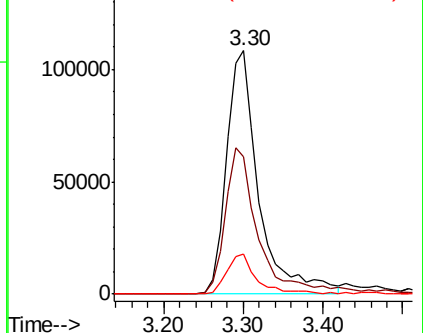
141 16.5 11.4 17.2

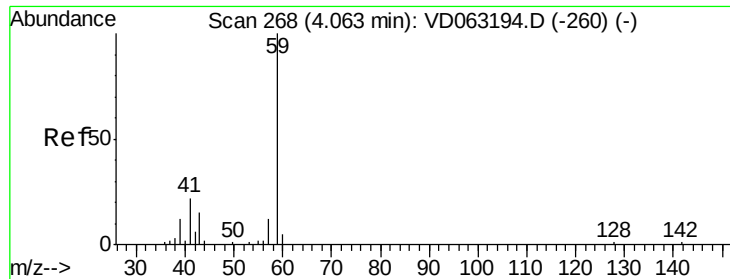


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



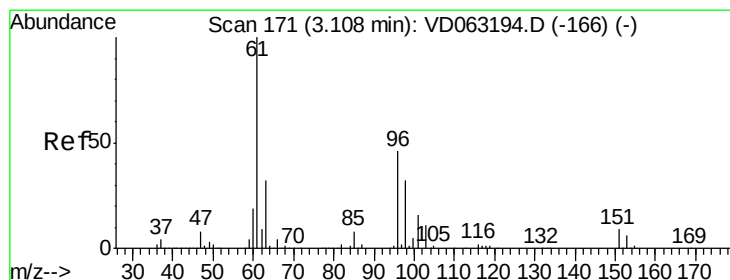
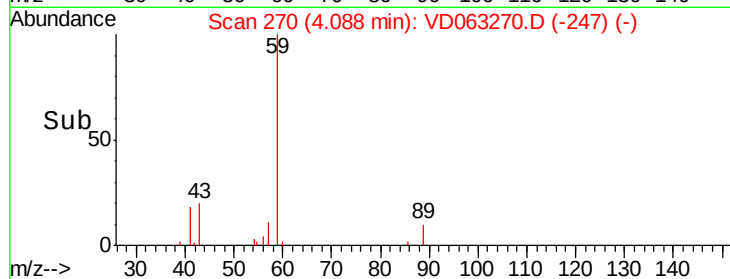
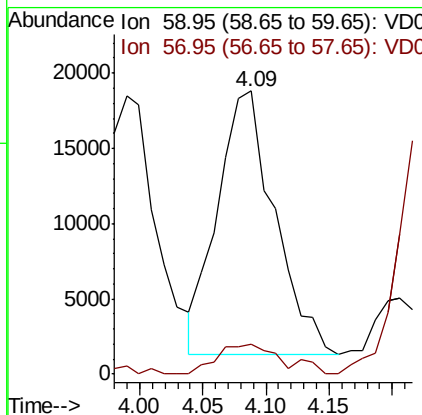
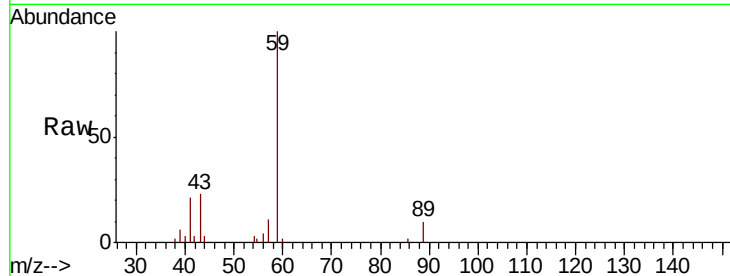


#11

Tert butyl alcohol
 Concen: 97.208 ug/l
 RT: 4.09 min Scan# 270
 Delta R.T. 0.02 min
 Lab File: VD063270.D
 Acq: 31 Jul 2019 11:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0731SBS01

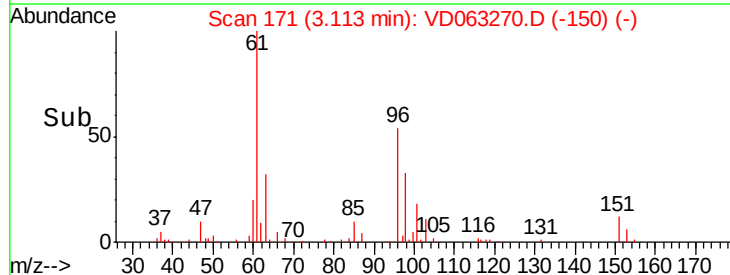
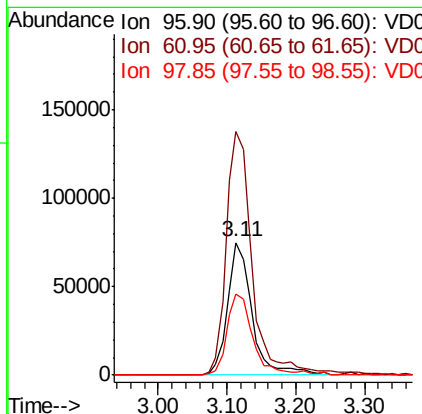
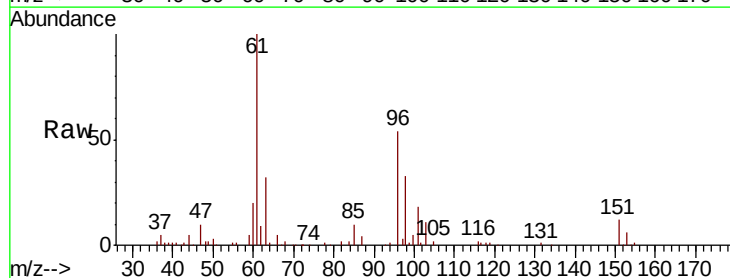
Tot Ion: 59 Resp: 54957
 Ion Ratio Lower Upper
 59 100
 57 10.7 9.6 14.4

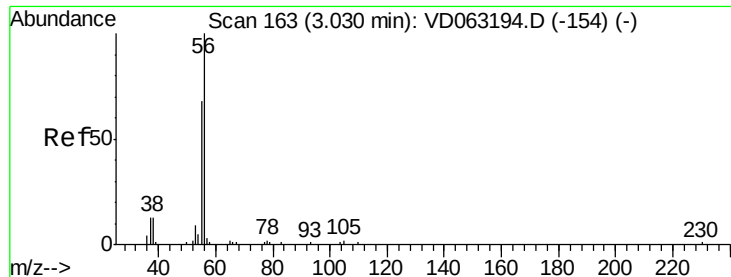


#12

1,1-Dichloroethene
 Concen: 20.558 ug/l
 RT: 3.11 min Scan# 171
 Delta R.T. 0.01 min
 Lab File: VD063270.D
 Acq: 31 Jul 2019 11:16

Tgt Ion: 96 Resp: 185128
 Ion Ratio Lower Upper
 96 100
 61 183.7 173.7 260.5
 98 61.5 55.8 83.8





#13

Acrolein

Concen: 93.254 ug/l

RT: 3.02 min Scan# 162

Delta R.T. -0.00 min

Lab File: VD063270.D

Acq: 31 Jul 2019 11:16

Instrument :

MSVOA_D

ClientSampleId :

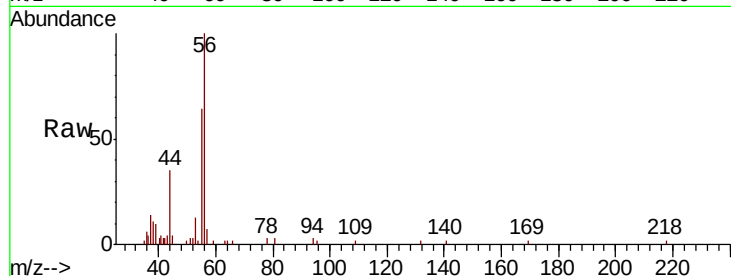
VD0731SBS01

Tot Ion: 56 Resp: 50739

Ion Ratio Lower Upper

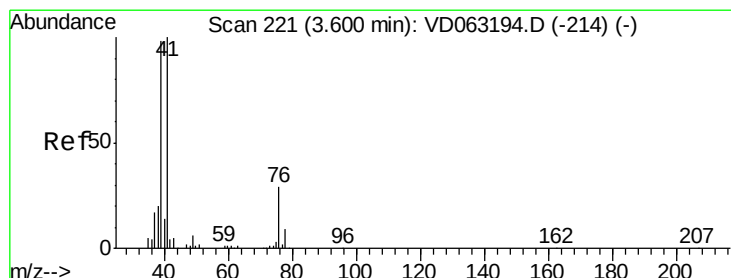
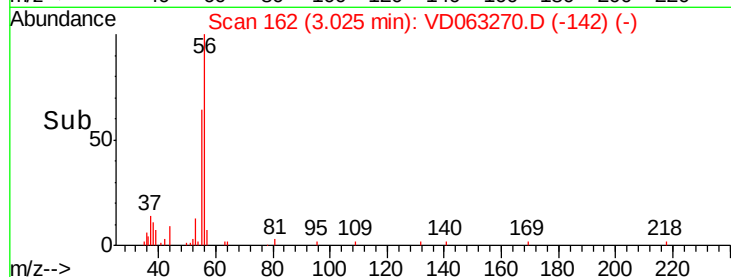
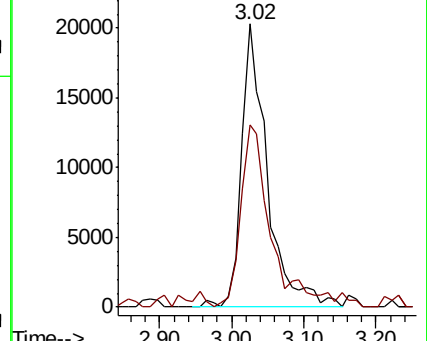
56 100

55 64.4 55.3 82.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 19.193 ug/l

RT: 3.61 min Scan# 221

Delta R.T. 0.01 min

Lab File: VD063270.D

Acq: 31 Jul 2019 11:16

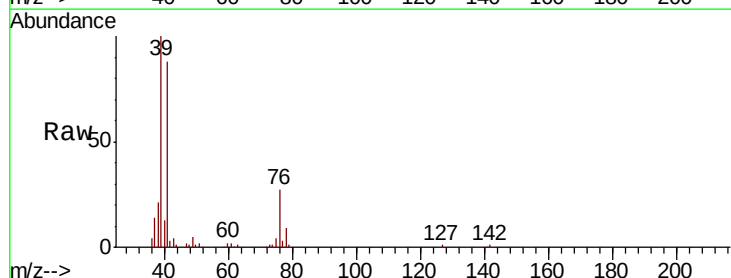
Tgt Ion: 41 Resp: 275338

Ion Ratio Lower Upper

41 100

39 113.6 78.6 117.8

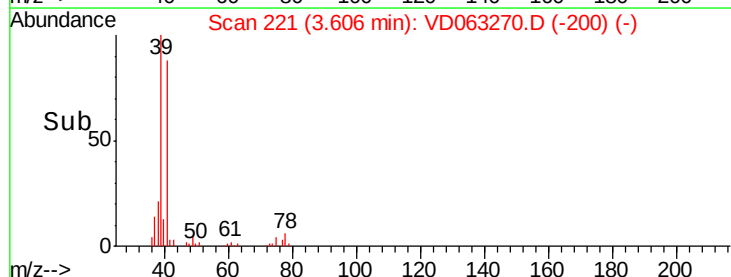
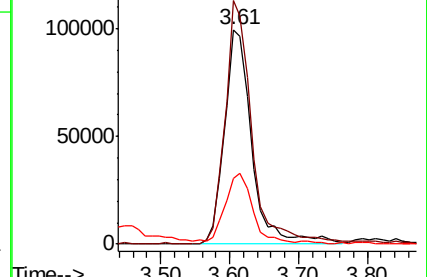
76 30.5 24.5 36.7

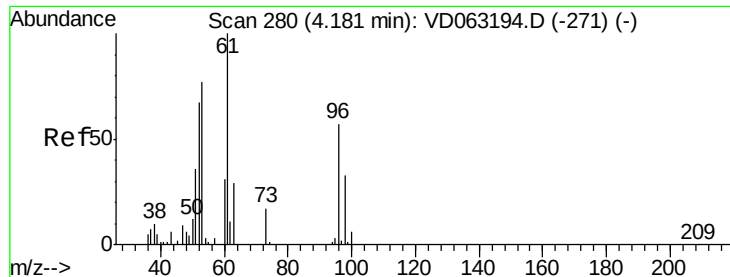


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 101.183 ug/l

RT: 4.20 min Scan# 281

Delta R.T. 0.02 min

Lab File: VD063270.D

Acq: 31 Jul 2019 11:16

Instrument :

MSVOA_D

ClientSampleId :

VD0731SBS01

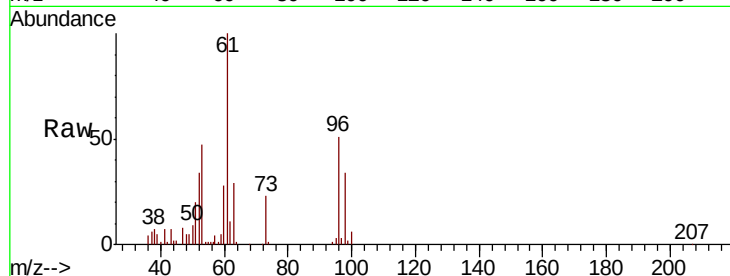
Tot Ion: 53 Resp: 148306

Ion Ratio Lower Upper

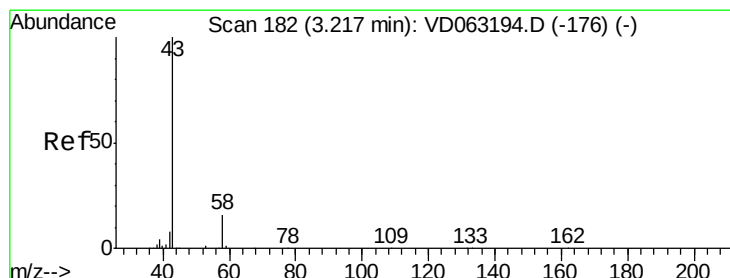
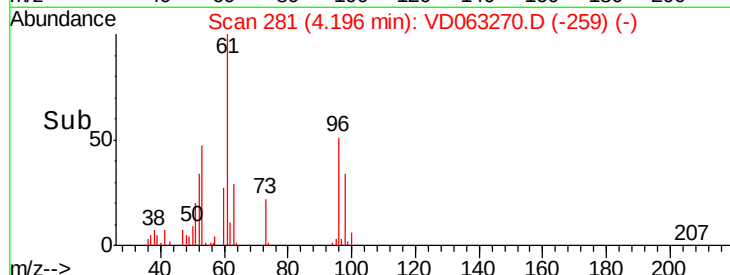
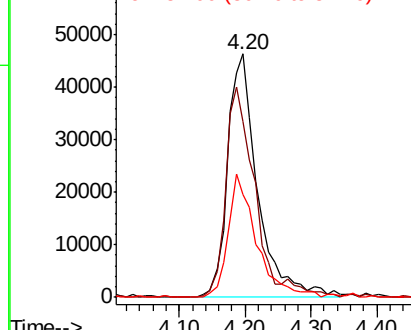
53 100

52 72.0 69.7 104.5

51 42.3 37.4 56.0



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



#16

Acetone

Concen: 100.242 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.01 min

Lab File: VD063270.D

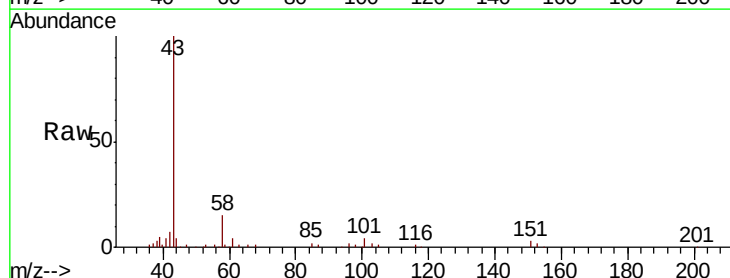
Acq: 31 Jul 2019 11:16

Tgt Ion: 43 Resp: 251611

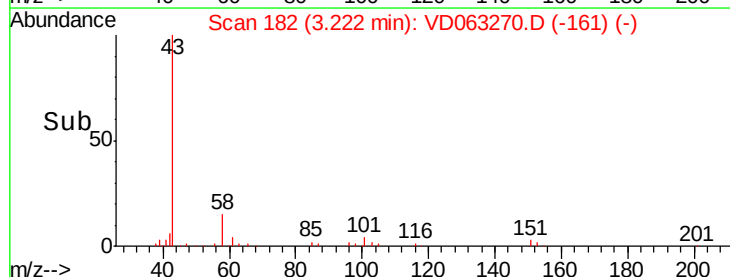
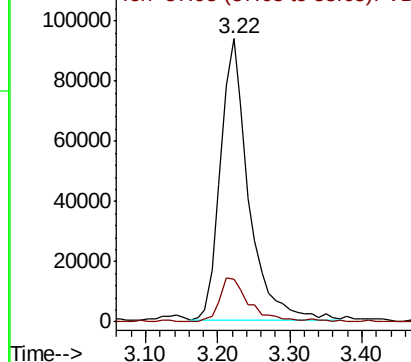
Ion Ratio Lower Upper

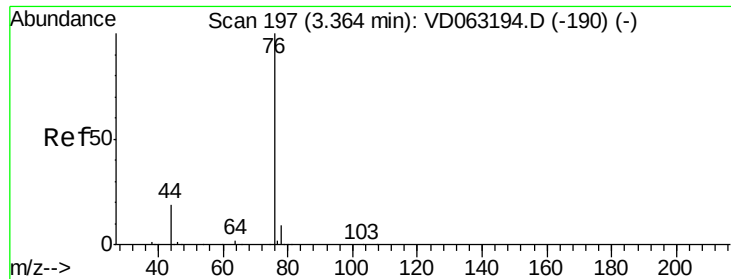
43 100

58 15.2 13.0 19.4



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





#17

Carbon Disulfide

Concen: 20.212 ug/l

RT: 3.36 min Scan# 196

Delta R.T. -0.00 min

Lab File: VD063270.D

Acq: 31 Jul 2019 11:16

Instrument :

MSVOA_D

ClientSampleId :

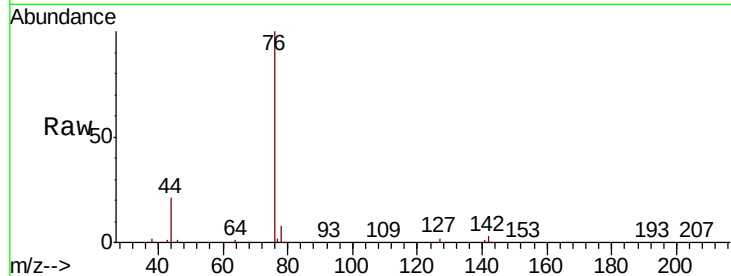
VD0731SBS01

Tot Ion: 76 Resp: 609222

Ion Ratio Lower Upper

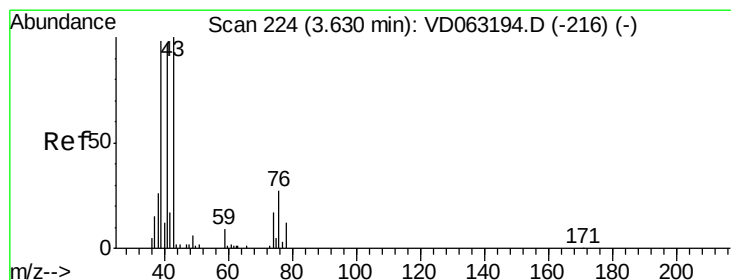
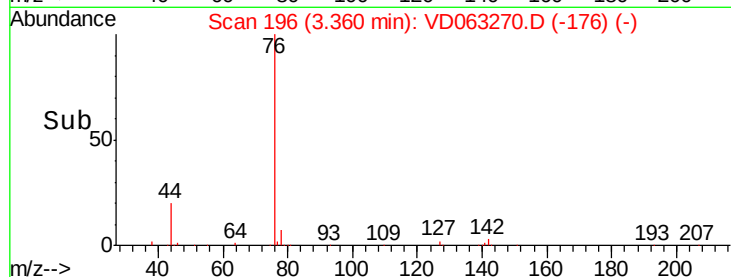
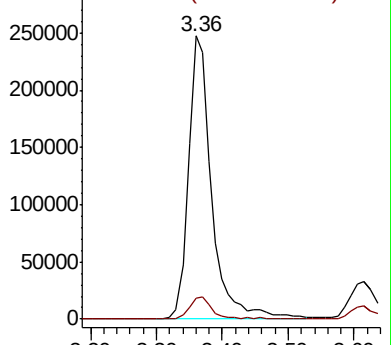
76 100

78 7.6 7.4 11.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 19.259 ug/l

RT: 3.64 min Scan# 224

Delta R.T. 0.01 min

Lab File: VD063270.D

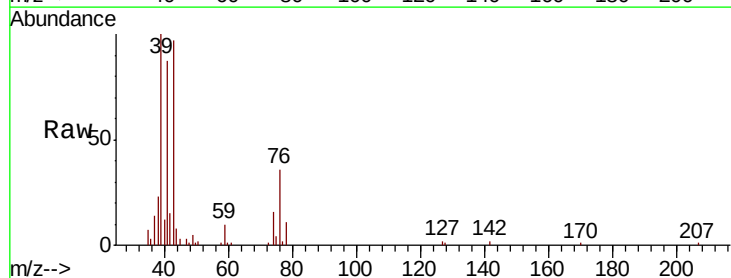
Acq: 31 Jul 2019 11:16

Tgt Ion: 43 Resp: 92853

Ion Ratio Lower Upper

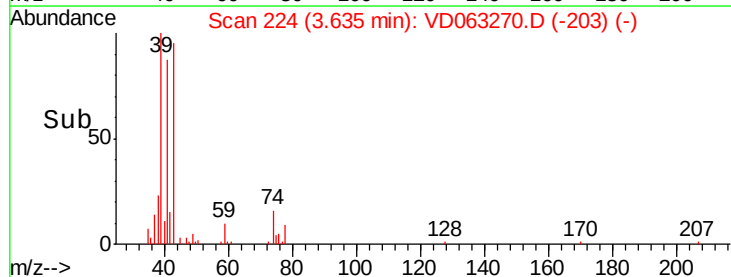
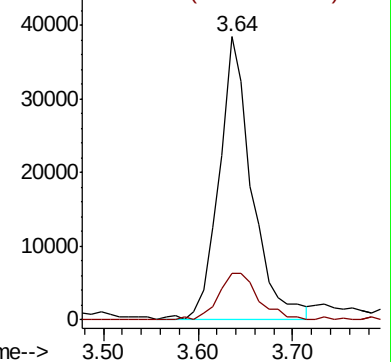
43 100

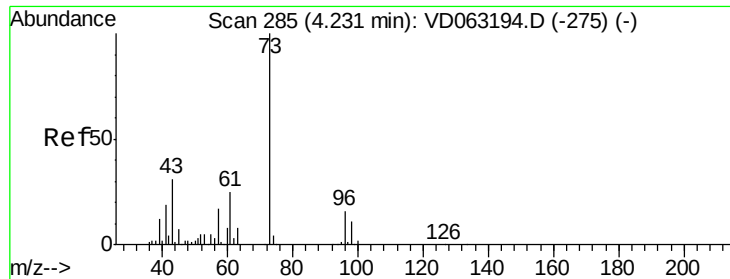
74 16.5 13.8 20.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

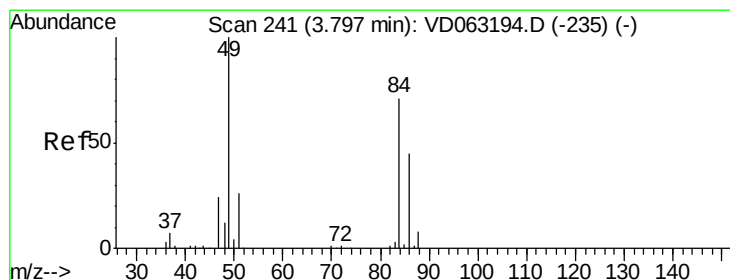
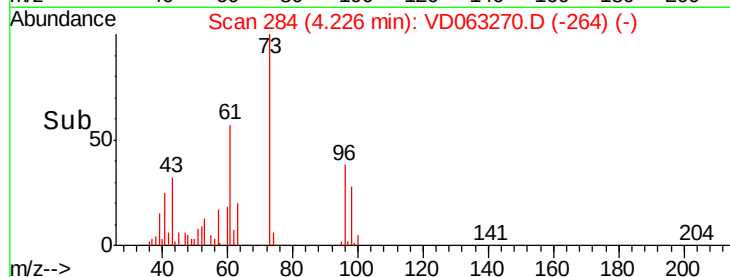
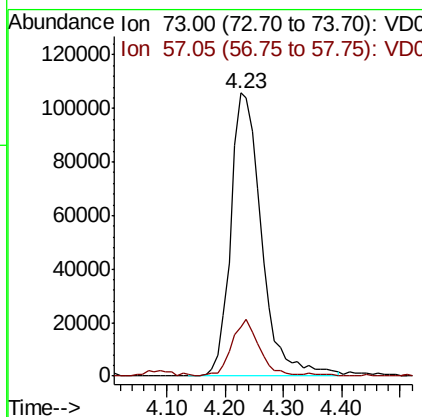
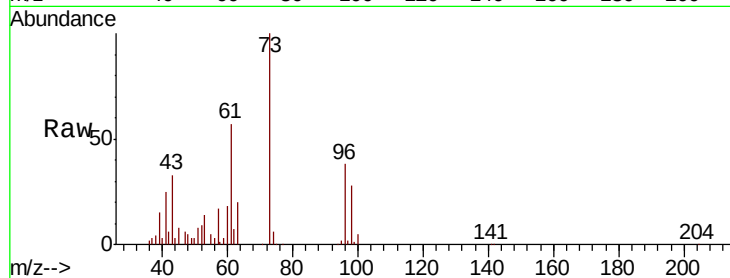




#19
Methyl tert-butyl Ether
Concen: 19.189 ug/l
RT: 4.23 min Scan# 284
Delta R.T. -0.00 min
Lab File: VD063270.D
Acq: 31 Jul 2019 11:16

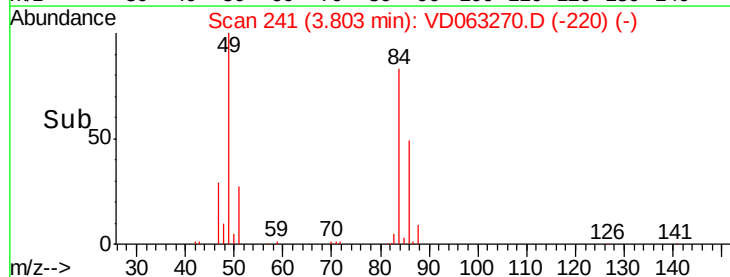
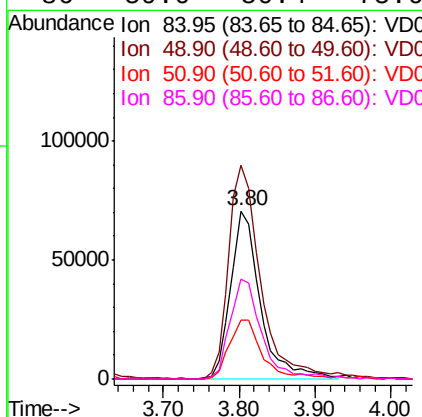
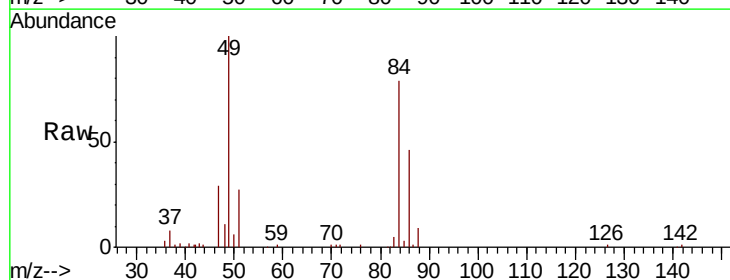
Instrument :
MSVOA_D
ClientSampleId :
VD0731SBS01

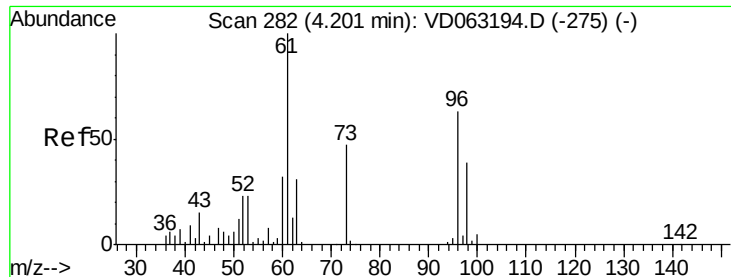
Tot Ion: 73 Resp: 390343
Ion Ratio Lower Upper
73 100
57 17.4 13.8 20.6



#20
Methylene Chloride
Concen: 18.973 ug/l
RT: 3.80 min Scan# 241
Delta R.T. 0.01 min
Lab File: VD063270.D
Acq: 31 Jul 2019 11:16

Tgt Ion: 84 Resp: 192496
Ion Ratio Lower Upper
84 100
49 127.0 112.5 168.7
51 34.9 29.6 44.4
86 59.0 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 19.986 ug/l

RT: 4.21 min Scan# 282

Delta R.T. 0.01 min

Lab File: VD063270.D

Acq: 31 Jul 2019 11:16

Instrument :

MSVOA_D

ClientSampleId :

VD0731SBS01

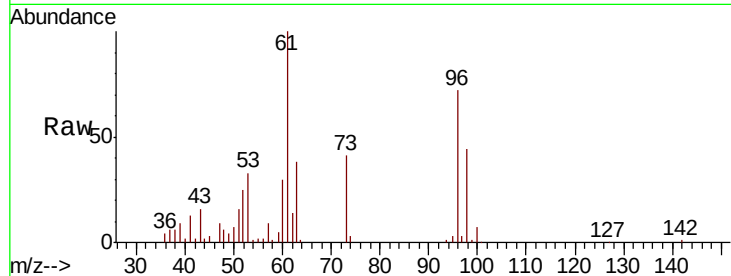
Tot Ion: 96 Resp: 201948

Ion Ratio Lower Upper

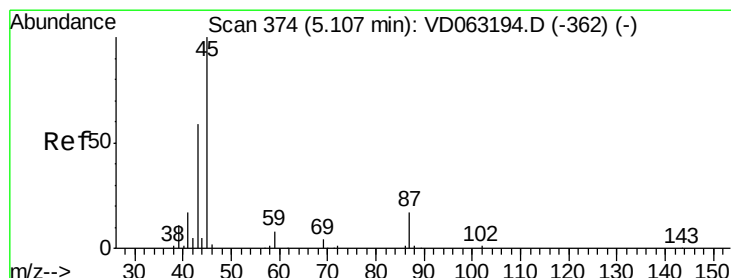
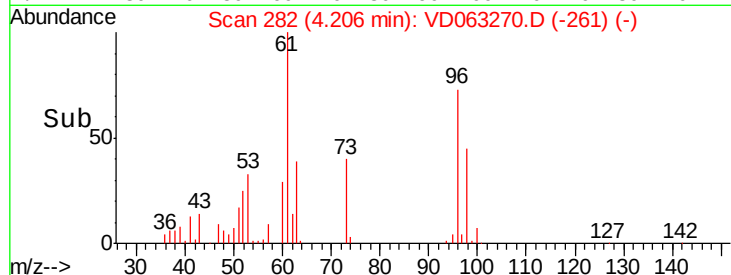
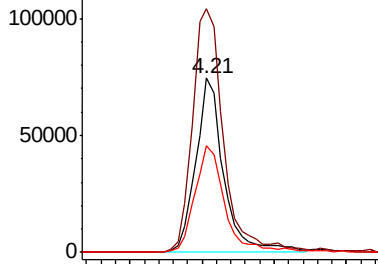
96 100

61 139.8 127.4 191.2

98 61.4 49.3 73.9



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



#22

Diisopropyl ether

Concen: 19.536 ug/l

RT: 5.11 min Scan# 374

Delta R.T. 0.01 min

Lab File: VD063270.D

Acq: 31 Jul 2019 11:16

Tgt Ion: 45 Resp: 559930

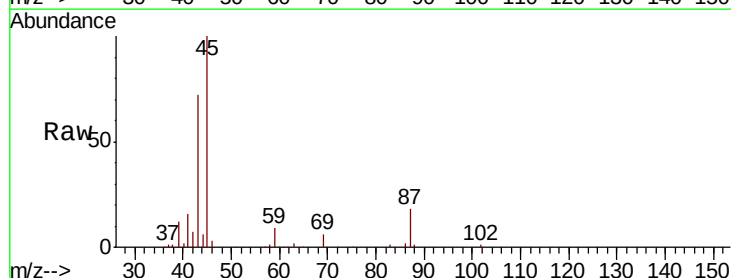
Ion Ratio Lower Upper

45 100

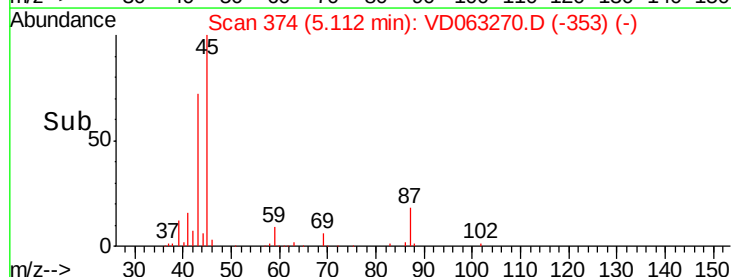
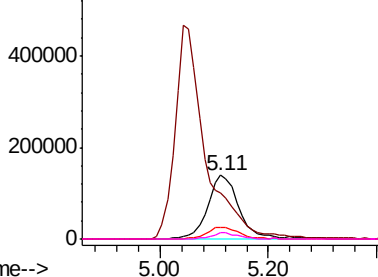
43 71.9 51.7 77.5

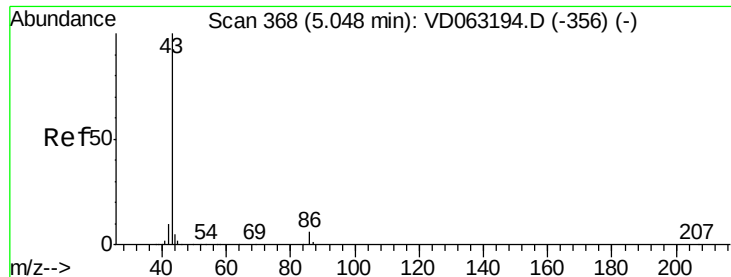
87 18.4 14.6 21.8

59 9.3 6.6 10.0



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





#23

Vinyl Acetate

Concen: 102.342 ug/l

RT: 5.04 min Scan# 367

Delta R.T. -0.00 min

Lab File: VD063270.D

Acq: 31 Jul 2019 11:16

Instrument :

MSVOA_D

ClientSampleId :

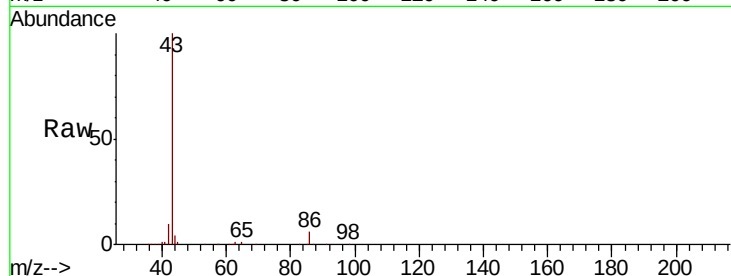
VD0731SBS01

Tot Ion: 43 Resp: 1803077

Ion Ratio Lower Upper

43 100

86 6.2 4.9 7.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.04

400000

300000

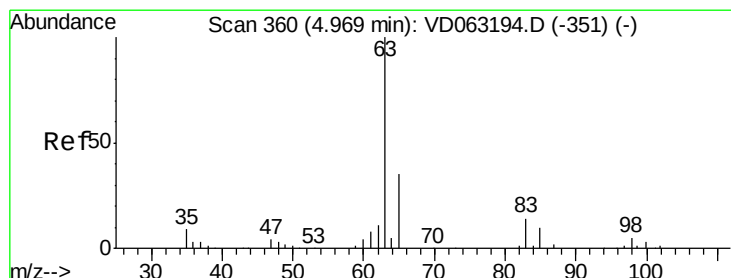
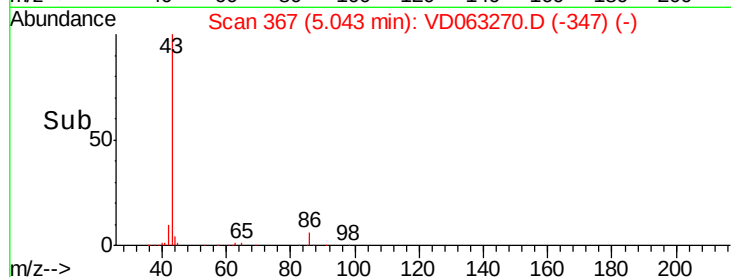
200000

100000

0

Time-->

4.90 5.00 5.10 5.20 5.30



#24

1,1-Dichloroethane

Concen: 19.735 ug/l

RT: 4.98 min Scan# 361

Delta R.T. 0.02 min

Lab File: VD063270.D

Acq: 31 Jul 2019 11:16

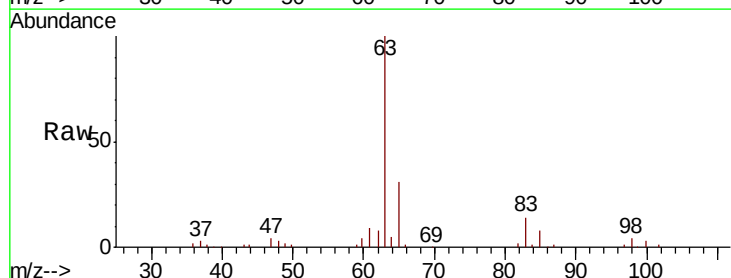
Tgt Ion: 63 Resp: 361304

Ion Ratio Lower Upper

63 100

98 4.7 2.8 8.4

100 3.0 1.3 3.9



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

4.98

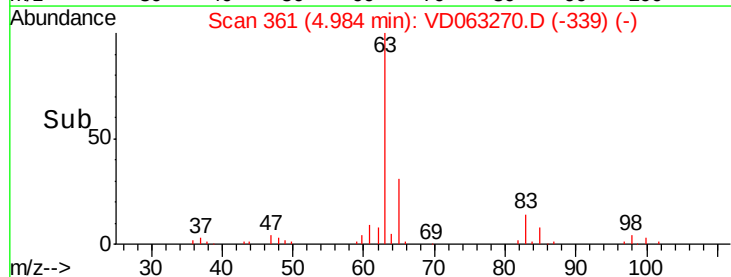
100000

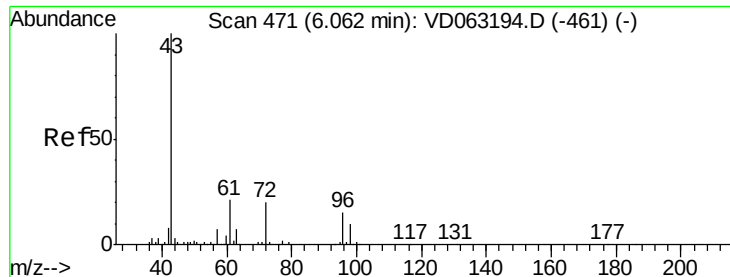
50000

0

Time-->

4.80 4.90 5.00 5.10 5.20

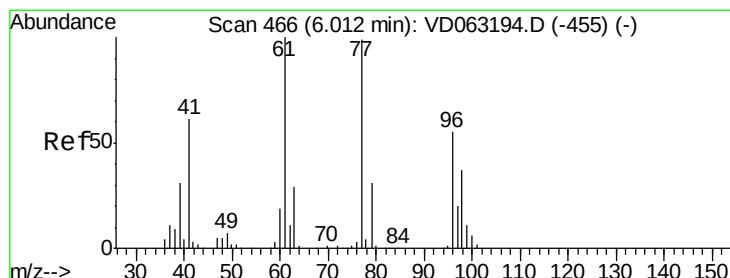
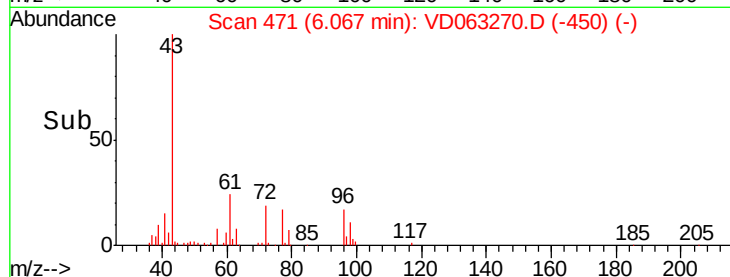
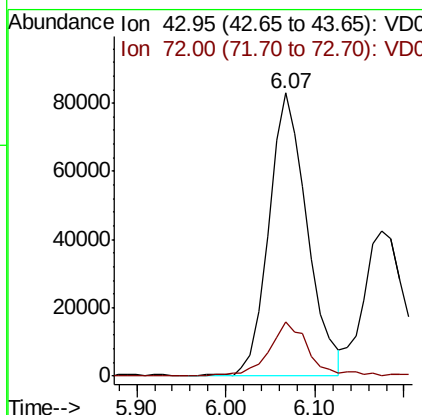
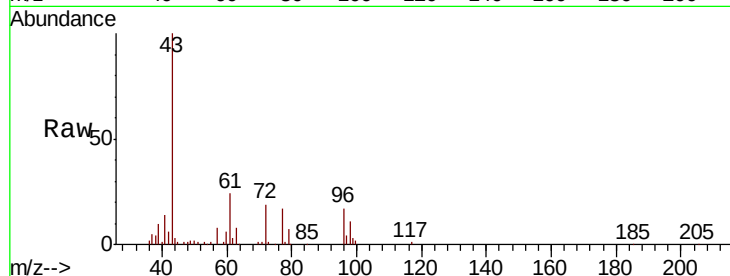




#25
 2-Butanone
 Concen: 98.567 ug/l
 RT: 6.07 min Scan# 471
 Delta R.T. 0.01 min
 Lab File: VD063270.D
 Acq: 31 Jul 2019 11:16

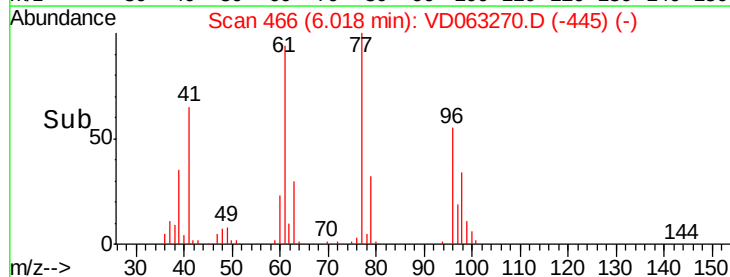
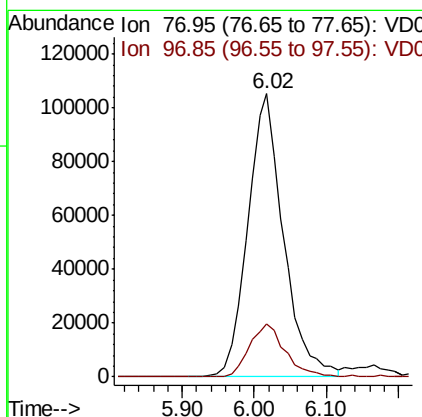
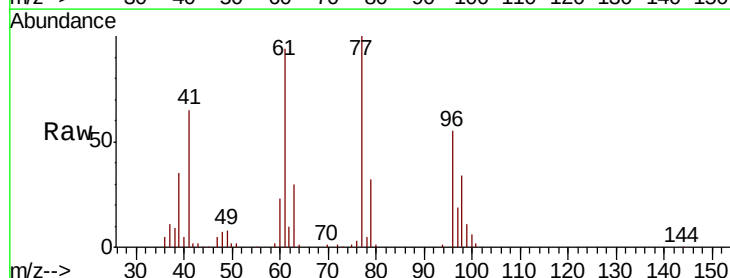
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0731SBS01

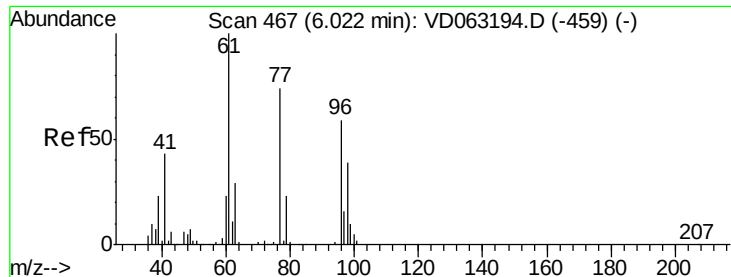
Tot Ion: 43 Resp: 248294
 Ion Ratio Lower Upper
 43 100
 72 19.3 16.3 24.5



#26
 2,2-Dichloropropane
 Concen: 19.202 ug/l
 RT: 6.02 min Scan# 466
 Delta R.T. 0.01 min
 Lab File: VD063270.D
 Acq: 31 Jul 2019 11:16

Tgt Ion: 77 Resp: 362277
 Ion Ratio Lower Upper
 77 100
 97 18.6 10.2 30.6



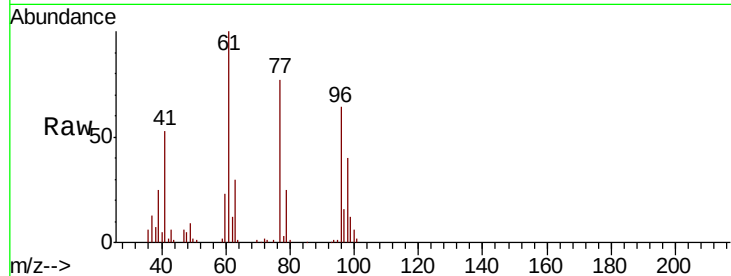


#27

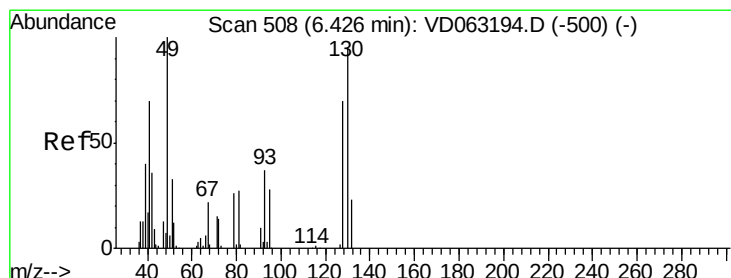
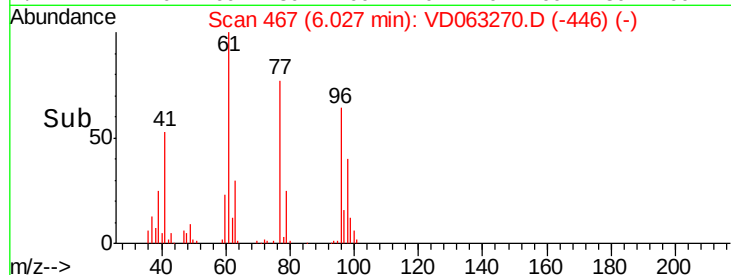
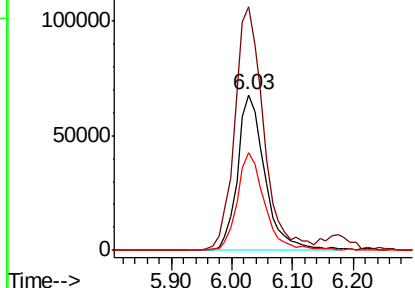
cis-1,2-Dichloroethene
 Concen: 19.600 ug/l
 RT: 6.03 min Scan# 467
 Delta R.T. 0.01 min
 Lab File: VD063270.D
 Acq: 31 Jul 2019 11:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0731SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	156.6	0.0	337.2
98	62.6	0.0	130.6



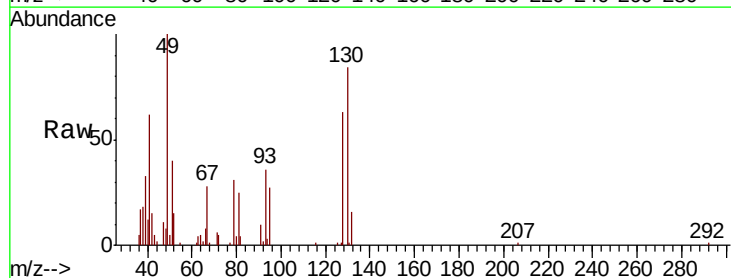
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



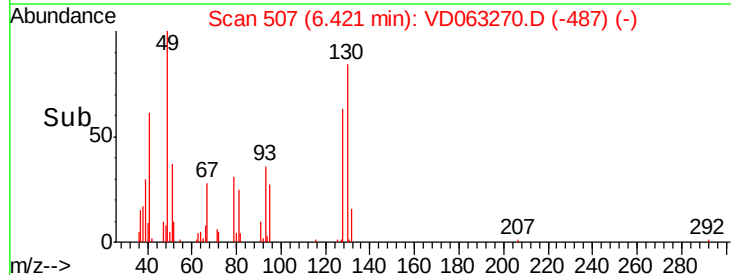
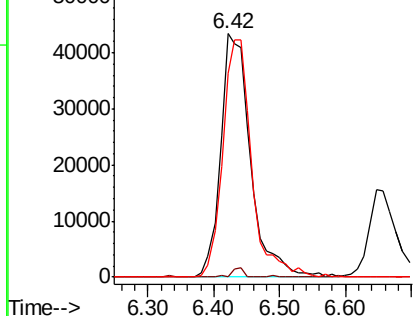
#28

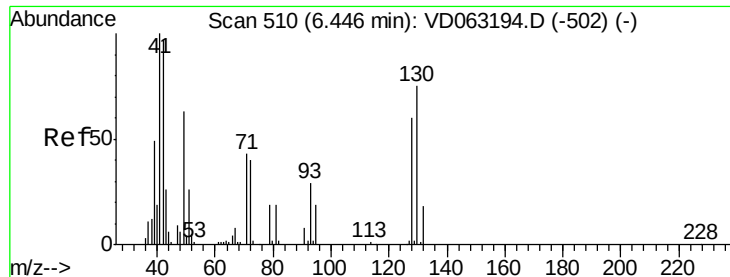
Bromochloromethane
 Concen: 18.860 ug/l
 RT: 6.42 min Scan# 507
 Delta R.T. -0.00 min
 Lab File: VD063270.D
 Acq: 31 Jul 2019 11:16

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	0.0
130	83.6	75.7	113.5



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





#29

Tetrahydrofuran

Concen: 97.472 ug/l

RT: 6.46 min Scan# 511

Delta R.T. 0.02 min

Lab File: VD063270.D

Acq: 31 Jul 2019 11:16

Instrument :

MSVOA_D

ClientSampleId :

VD0731SBS01

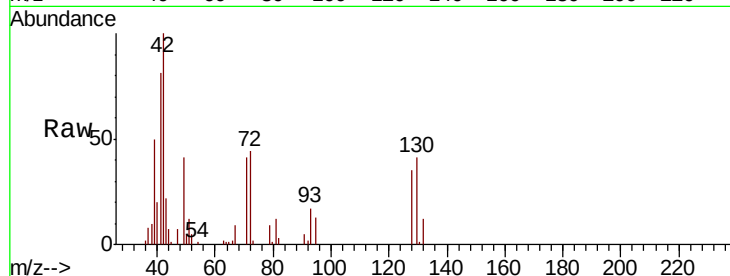
Tot Ion: 42 Resp: 116249

Ion Ratio Lower Upper

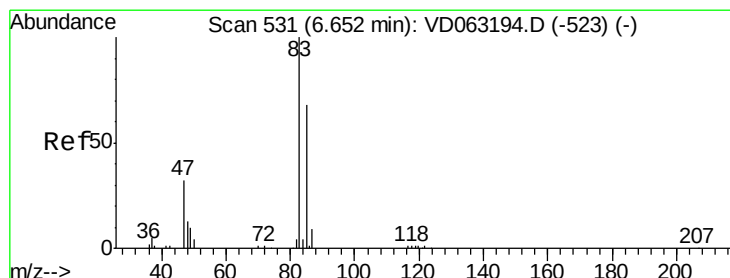
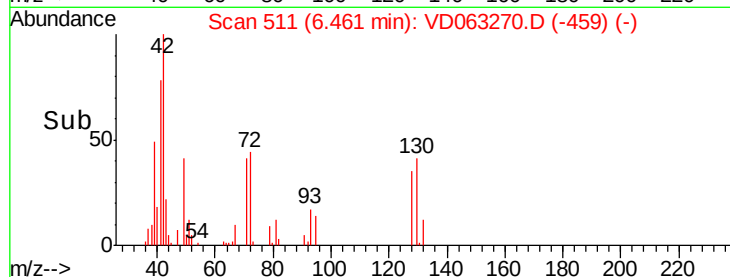
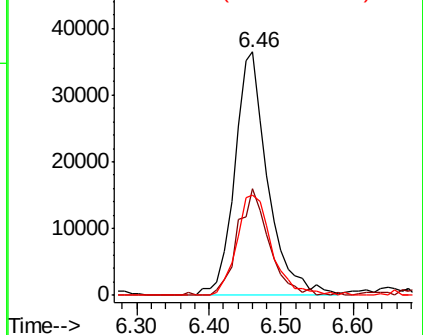
42 100

72 41.6 33.4 50.2

71 43.8 35.7 53.5



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: 19.919 ug/l

RT: 6.66 min Scan# 531

Delta R.T. 0.01 min

Lab File: VD063270.D

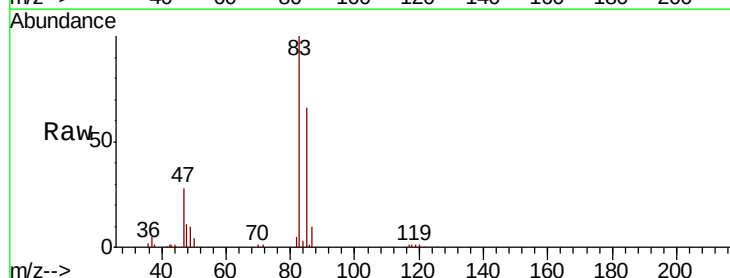
Acq: 31 Jul 2019 11:16

Tgt Ion: 83 Resp: 452550

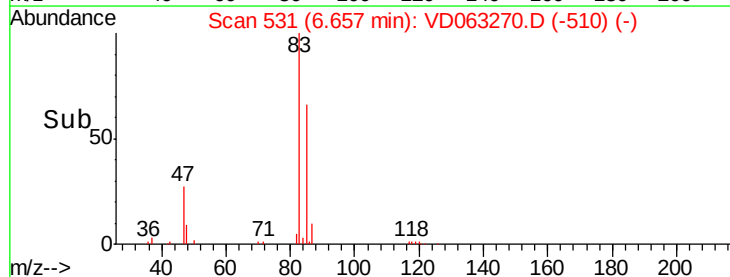
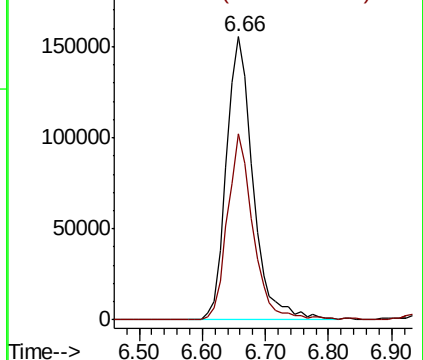
Ion Ratio Lower Upper

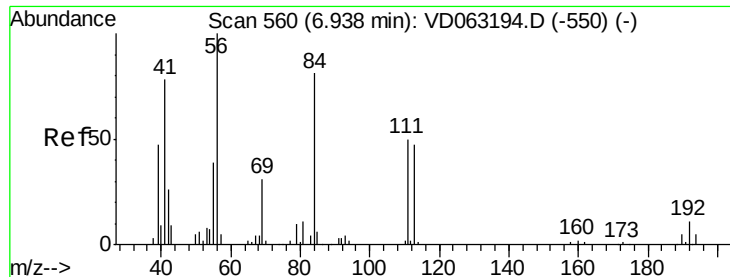
83 100

85 65.6 54.2 81.4



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

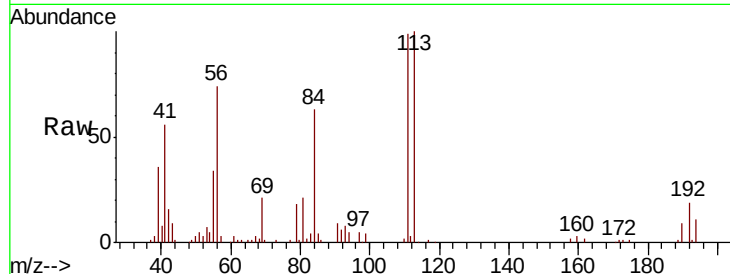




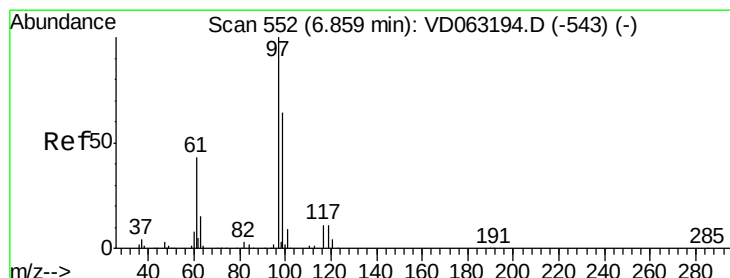
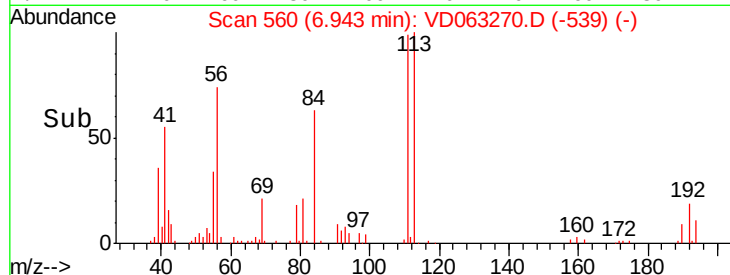
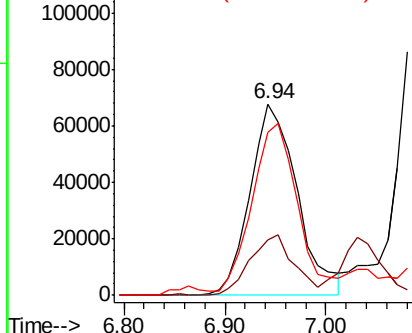
#31
Cyclohexane
Concen: 19.221 ug/l
RT: 6.94 min Scan# 560
Delta R.T. 0.01 min
Lab File: VD063270.D
Acq: 31 Jul 2019 11:16

Instrument :
MSVOA_D
ClientSampleId :
VD0731SBS01

Tot Ion: 56 Resp: 220571
Ion Ratio Lower Upper
56 100
69 28.7 24.5 36.7
84 85.1 64.9 97.3

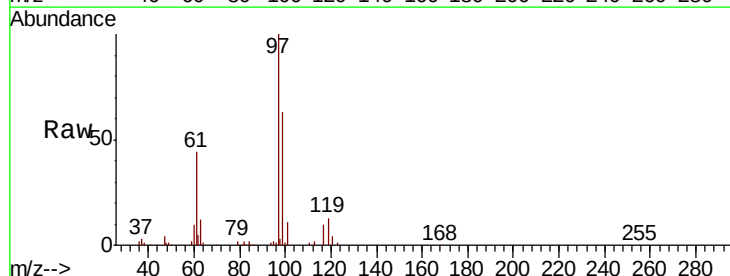


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

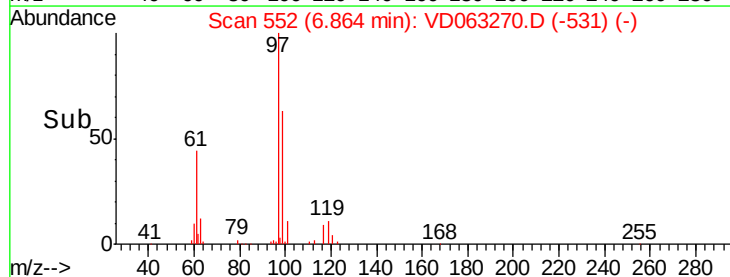
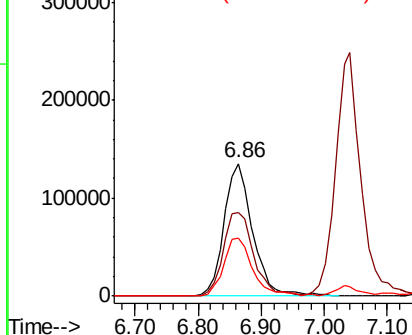


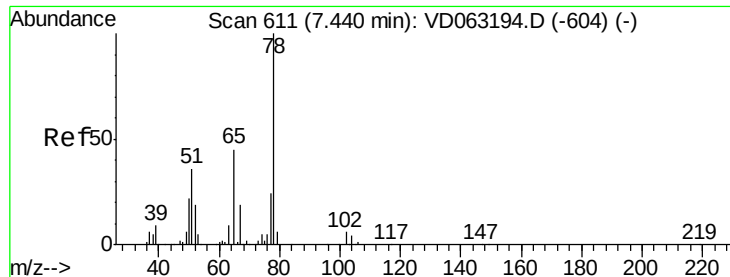
#32
1,1,1-Trichloroethane
Concen: 19.407 ug/l
RT: 6.86 min Scan# 552
Delta R.T. 0.01 min
Lab File: VD063270.D
Acq: 31 Jul 2019 11:16

Tgt Ion: 97 Resp: 426487
Ion Ratio Lower Upper
97 100
99 63.1 51.2 76.8
61 44.0 34.2 51.2



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

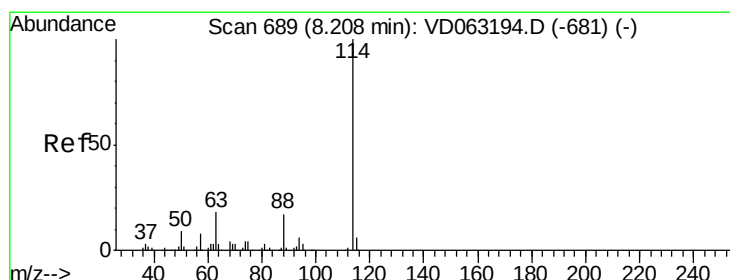
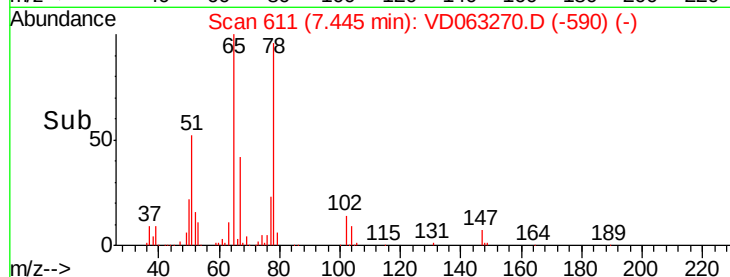
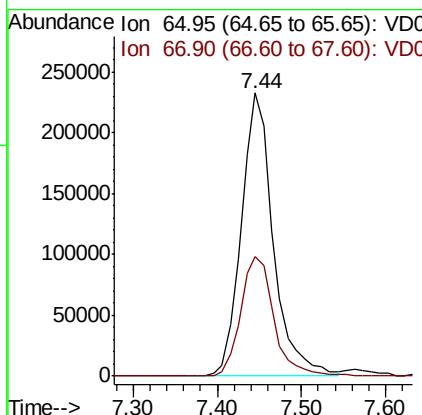
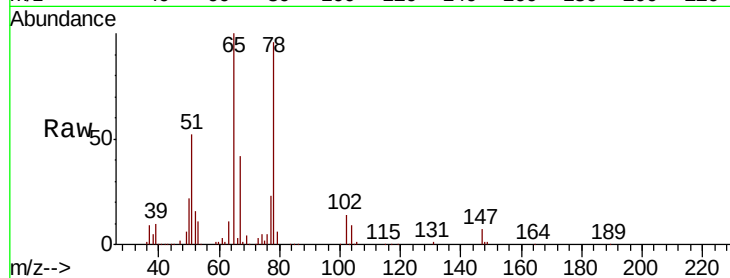




#33
 1,2-Dichloroethane-d4
 Concen: 47.956 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. 0.01 min
 Lab File: VD063270.D
 Acq: 31 Jul 2019 11:16

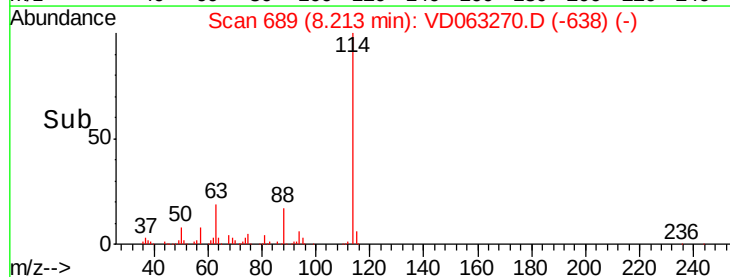
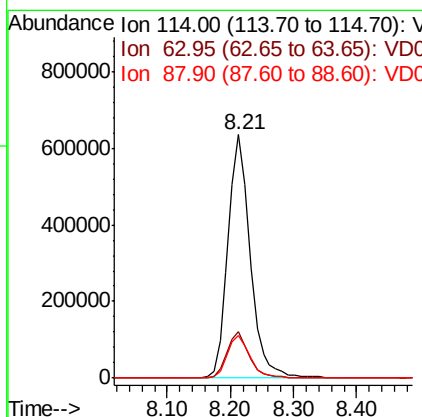
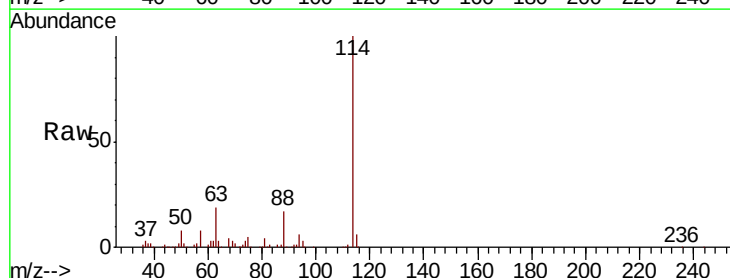
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0731SBS01

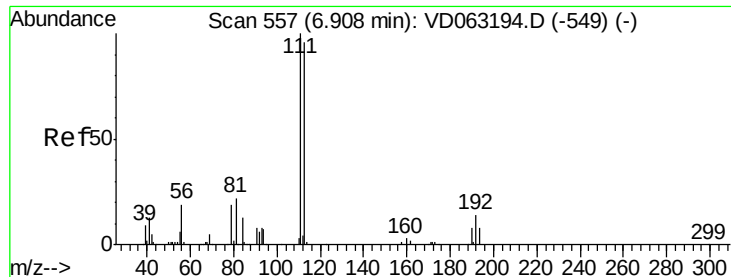
Tot Ion: 65 Resp: 617804
 Ion Ratio Lower Upper
 65 100
 67 42.4 0.0 85.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. 0.01 min
 Lab File: VD063270.D
 Acq: 31 Jul 2019 11:16

Tgt Ion: 114 Resp: 1554472
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 35.2
 88 17.3 0.0 34.6

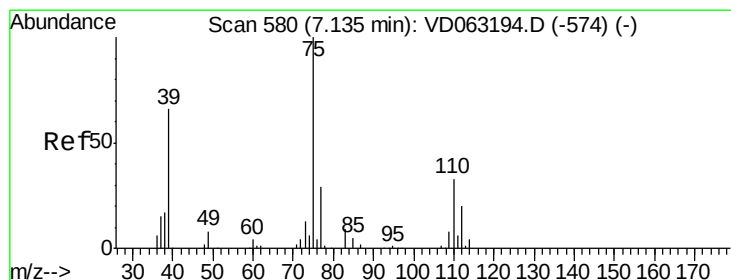
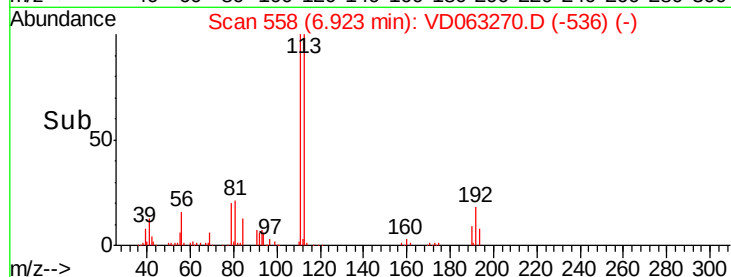
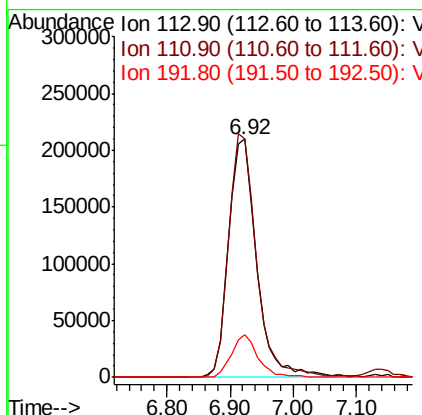
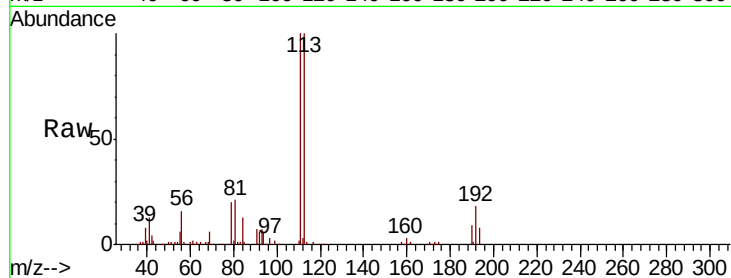




#35
 Dibromofluoromethane
 Concen: 48.440 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. 0.02 min
 Lab File: VD063270.D
 Acq: 31 Jul 2019 11:16

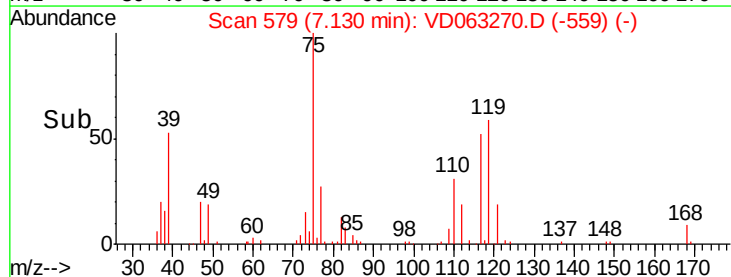
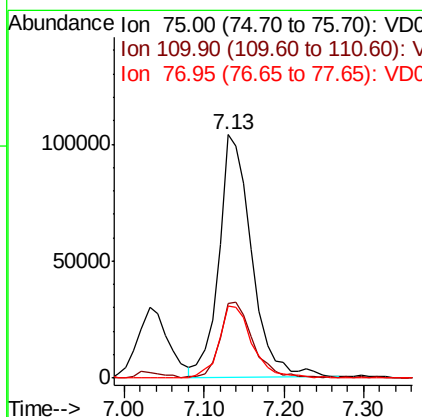
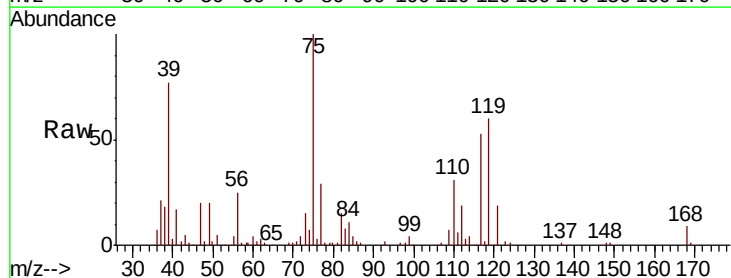
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0731SBS01

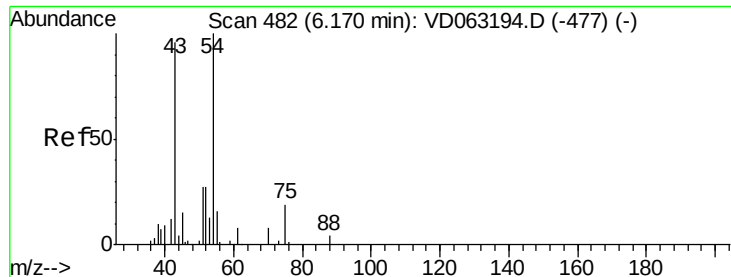
Tot Ion	Ratio	Lower	Upper
113	100		
111	100.2	83.2	124.8
192	17.9	11.8	17.8#



#36
 1,1-Dichloropropene
 Concen: 20.895 ug/l
 RT: 7.13 min Scan# 579
 Delta R.T. -0.00 min
 Lab File: VD063270.D
 Acq: 31 Jul 2019 11:16

Tgt Ion	Ratio	Lower	Upper
75	100		
110	30.8	16.1	48.2
77	29.4	22.7	34.1

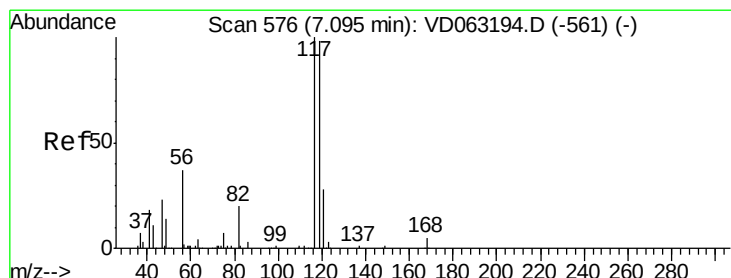
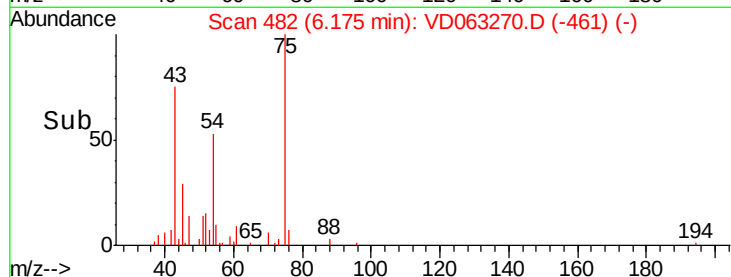
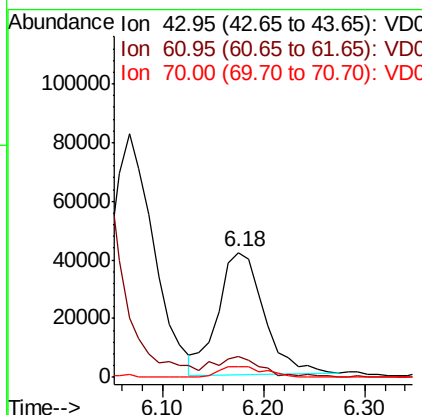
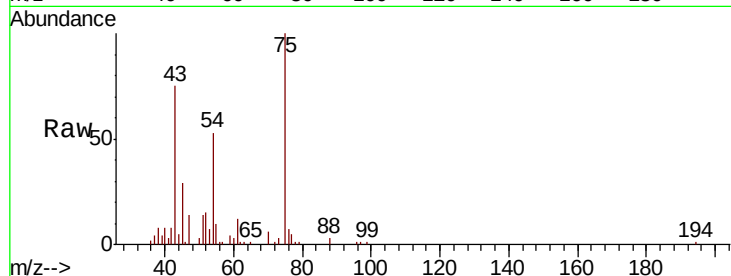




#37
Ethyl Acetate
Concen: 20.674 ug/l
RT: 6.18 min Scan# 482
Delta R.T. 0.01 min
Lab File: VD063270.D
Acq: 31 Jul 2019 11:16

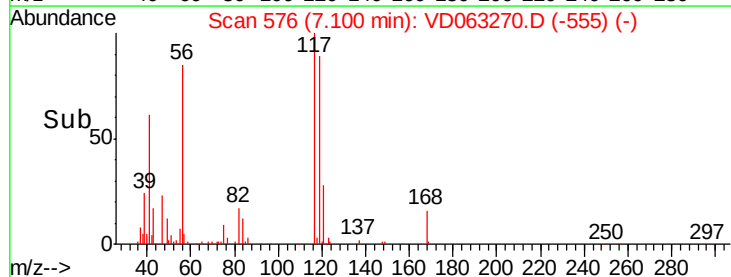
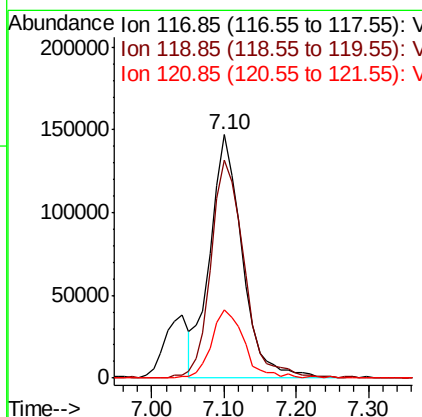
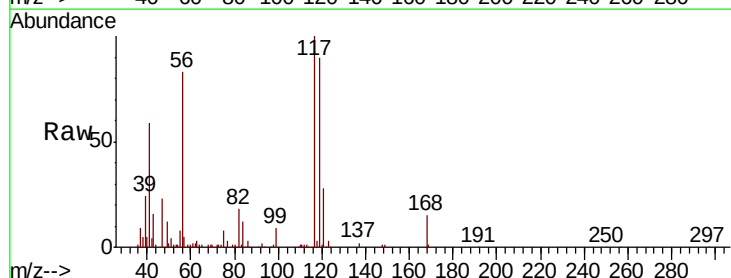
Instrument :
MSVOA_D
ClientSampleId :
VD0731SBS01

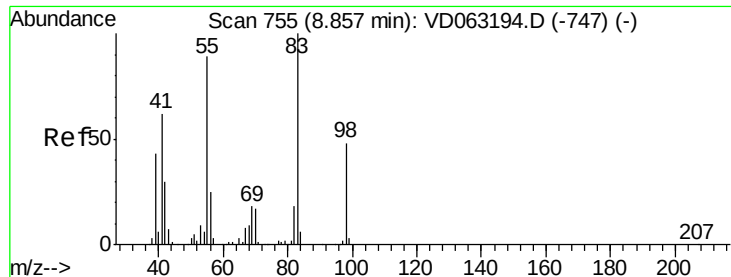
Tot Ion: 43 Resp: 131767
Ion Ratio Lower Upper
43 100
61 16.3 11.3 16.9
70 8.0 5.1 7.7#



#38
Carbon Tetrachloride
Concen: 21.195 ug/l
RT: 7.10 min Scan# 576
Delta R.T. 0.01 min
Lab File: VD063270.D
Acq: 31 Jul 2019 11:16

Tgt Ion: 117 Resp: 452666
Ion Ratio Lower Upper
117 100
119 89.6 78.2 117.2
121 28.2 22.1 33.1

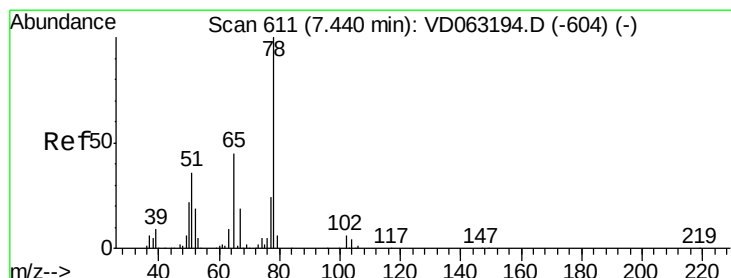
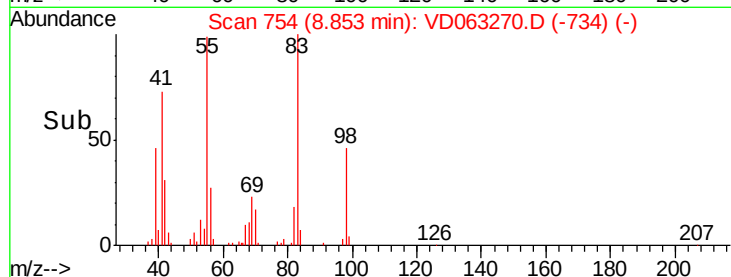
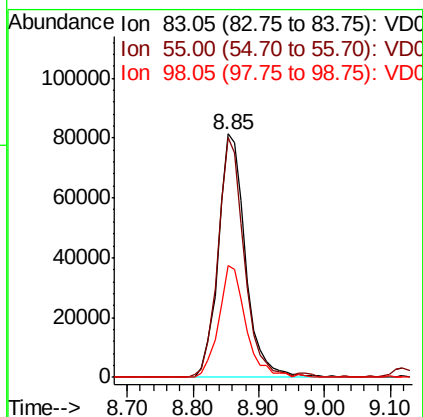
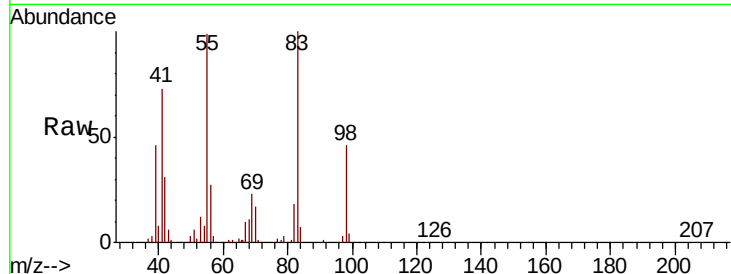




#39
Methylvlcyclohexane
Concen: 19.680 ug/l
RT: 8.85 min Scan# 754
Delta R.T. -0.00 min
Lab File: VD063270.D
Acq: 31 Jul 2019 11:16

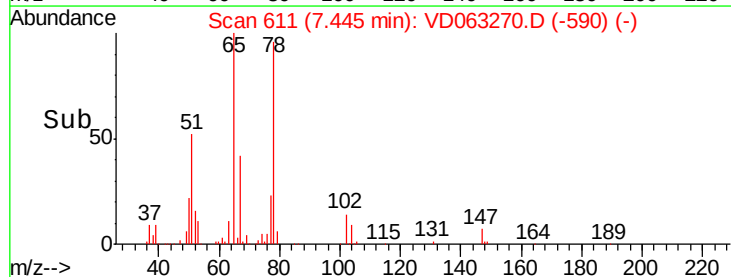
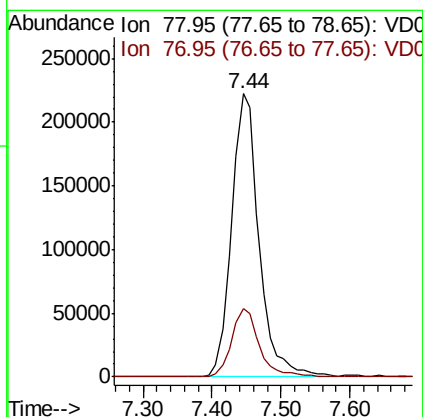
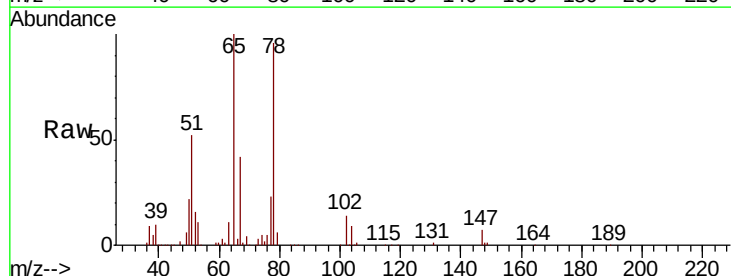
Instrument :
MSVOA_D
ClientSampleId :
VD0731SBS01

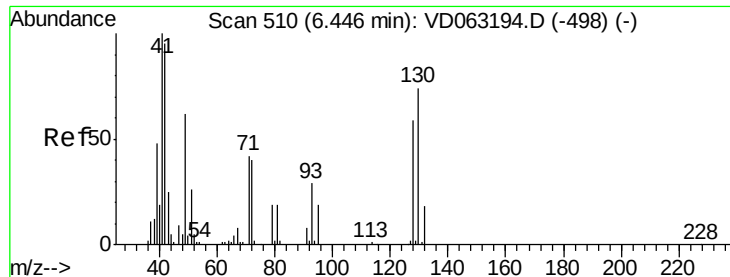
Tot Ion: 83 Resp: 232609
Ion Ratio Lower Upper
83 100
55 98.6 71.1 106.7
98 45.7 38.5 57.7



#40
Benzene
Concen: 20.555 ug/l
RT: 7.44 min Scan# 611
Delta R.T. 0.01 min
Lab File: VD063270.D
Acq: 31 Jul 2019 11:16

Tgt Ion: 78 Resp: 611141
Ion Ratio Lower Upper
78 100
77 24.0 19.4 29.2

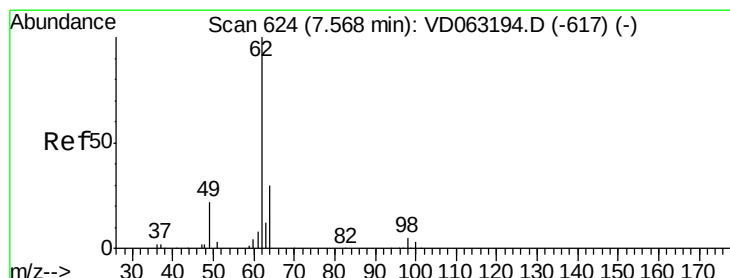
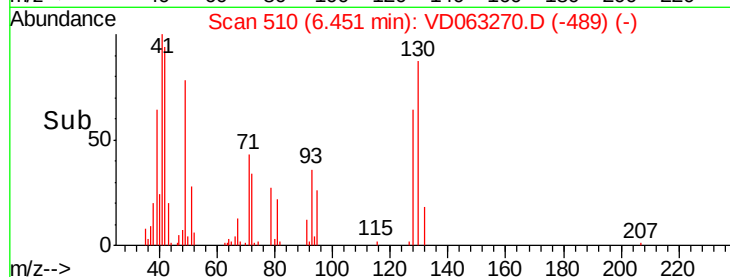
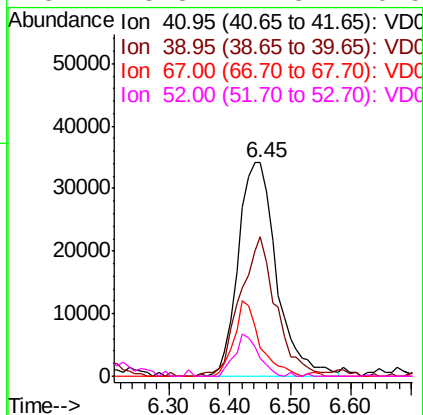
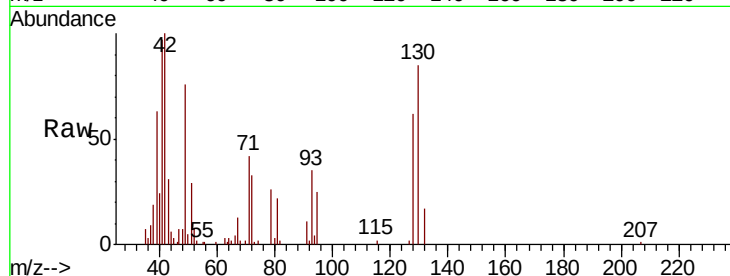




#41
Methacrylonitrile
Concen: 19.656 ug/l
RT: 6.45 min Scan# 510
Delta R.T. 0.01 min
Lab File: VD063270.D
Acq: 31 Jul 2019 11:16

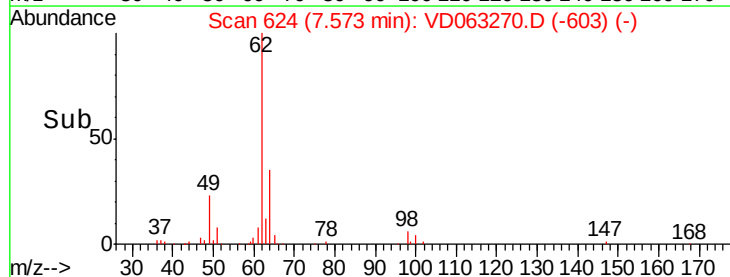
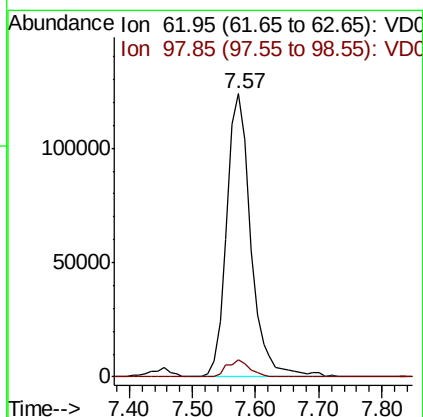
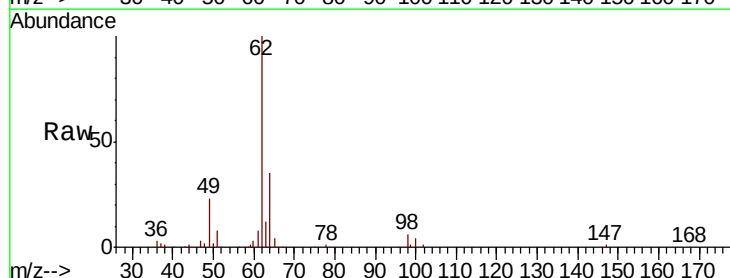
Instrument :
MSVOA_D
ClientSampleId :
VD0731SBS01

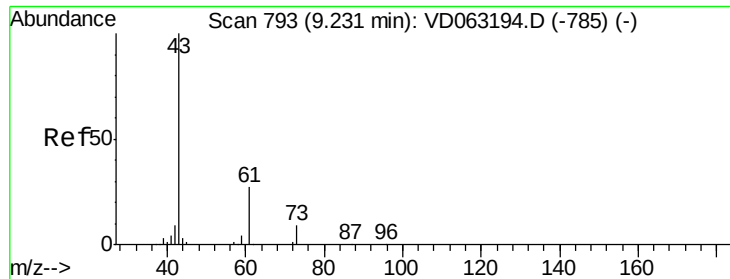
Tot Ion: 41 Resp: 149852
Ion Ratio Lower Upper
41 100
39 65.3 38.4 57.6#
67 13.0 6.7 10.1#
52 8.3 4.3 6.5#



#42
1,2-Dichloroethane
Concen: 20.879 ug/l
RT: 7.57 min Scan# 624
Delta R.T. 0.01 min
Lab File: VD063270.D
Acq: 31 Jul 2019 11:16

Tgt Ion: 62 Resp: 328997
Ion Ratio Lower Upper
62 100
98 6.3 0.0 9.8





#43

Isopropyl Acetate

Concen: 21.097 ug/l

RT: 9.24 min Scan# 793

Delta R.T. 0.01 min

Lab File: VD063270.D

Acq: 31 Jul 2019 11:16

Instrument :

MSVOA_D

ClientSampleId :

VD0731SBS01

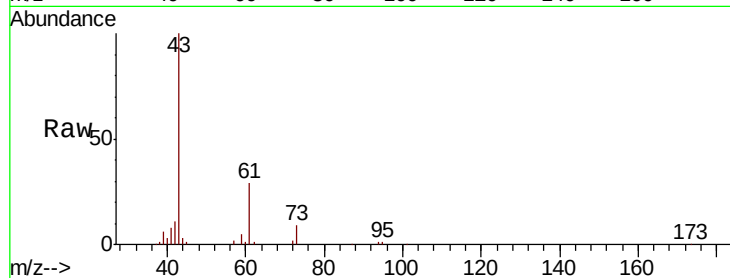
Tot Ion: 43 Resp: 171756

Ion Ratio Lower Upper

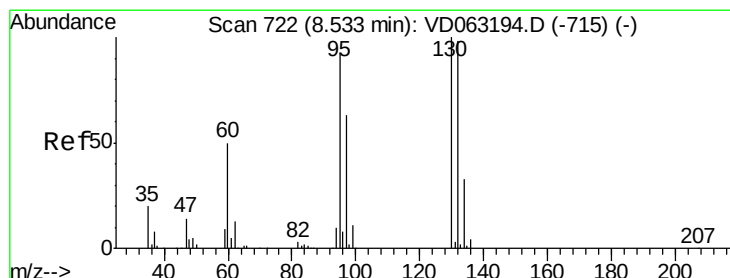
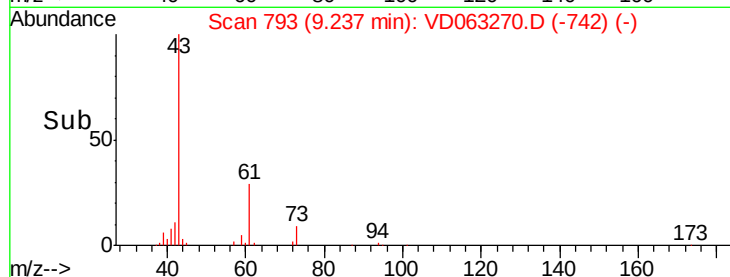
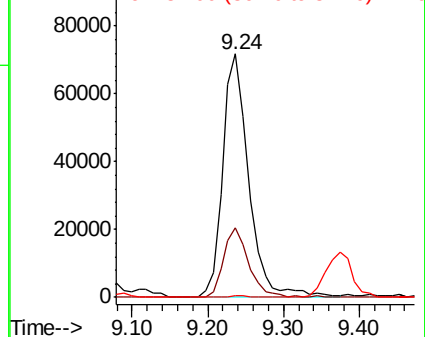
43 100

61 28.8 21.4 32.0

87 0.5 0.2 0.4#



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



#44

Trichloroethene

Concen: 20.284 ug/l

RT: 8.54 min Scan# 722

Delta R.T. 0.01 min

Lab File: VD063270.D

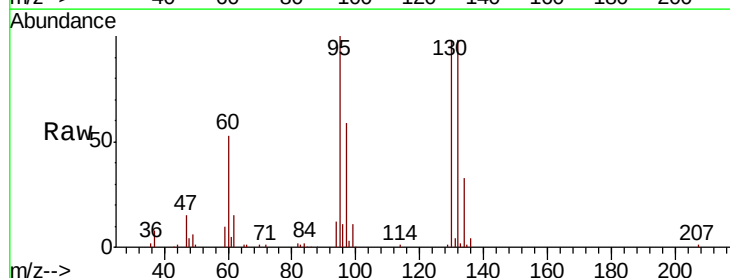
Acq: 31 Jul 2019 11:16

Tgt Ion:130 Resp: 244380

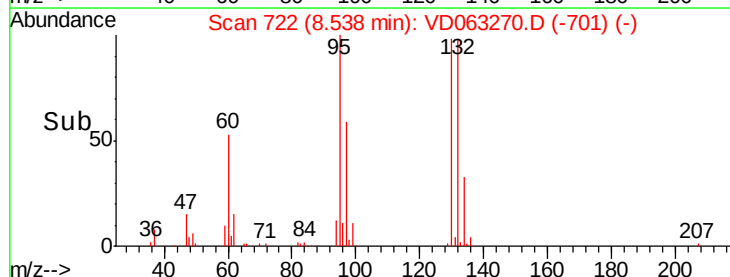
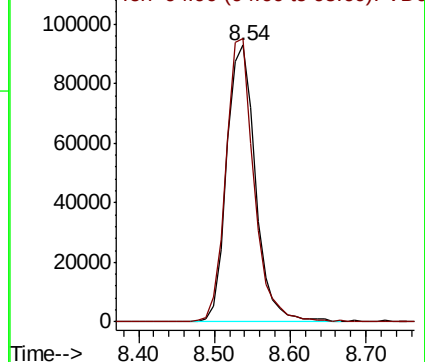
Ion Ratio Lower Upper

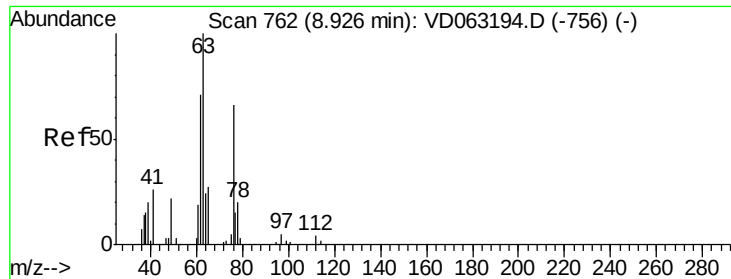
130 100

95 102.4 0.0 185.4



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

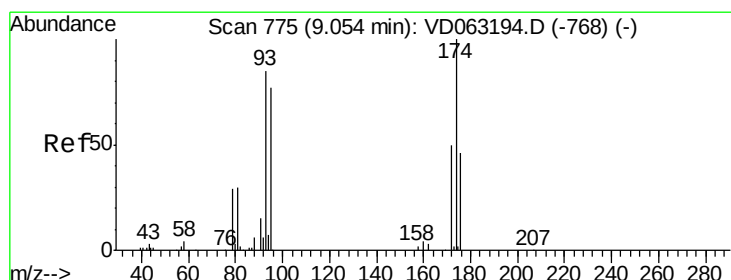
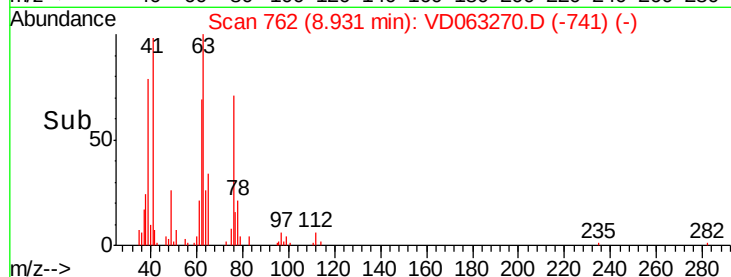
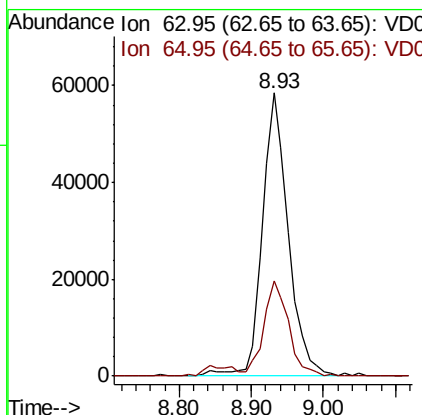
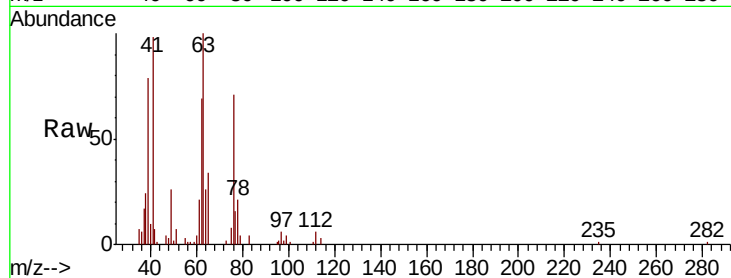




#45
 1,2-Dichloropropane
 Concen: 19.346 ug/l
 RT: 8.93 min Scan# 762
 Delta R.T. 0.01 min
 Lab File: VD063270.D
 Acq: 31 Jul 2019 11:16

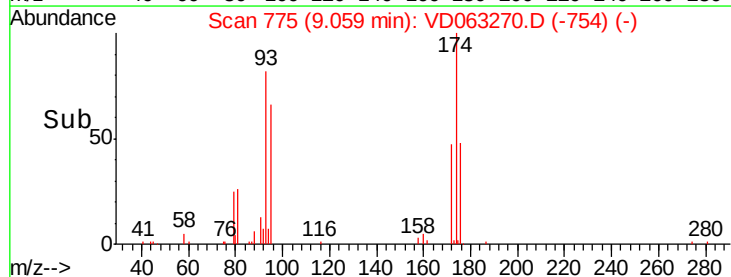
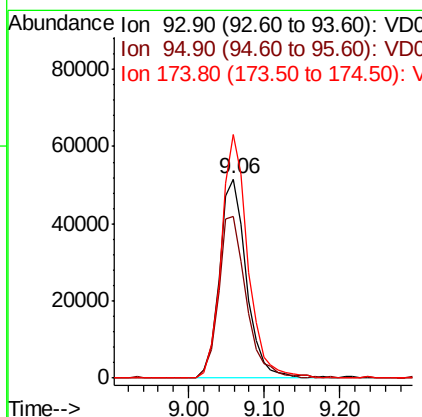
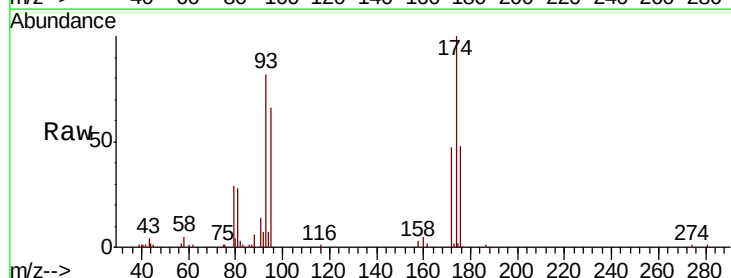
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0731SBS01

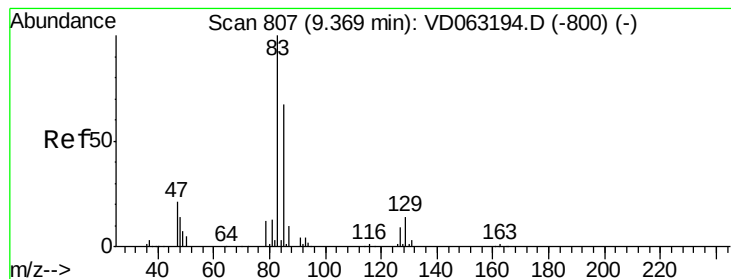
Tot Ion: 63 Resp: 146201
 Ion Ratio Lower Upper
 63 100
 65 33.6 23.6 35.4



#46
 Dibromomethane
 Concen: 20.296 ug/l
 RT: 9.06 min Scan# 775
 Delta R.T. 0.01 min
 Lab File: VD063270.D
 Acq: 31 Jul 2019 11:16

Tgt Ion: 93 Resp: 127532
 Ion Ratio Lower Upper
 93 100
 95 81.3 72.8 109.2
 174 122.5 94.4 141.6





#47

Bromodichloromethane

Concen: 20.429 ug/l

RT: 9.37 min Scan# 807

Delta R.T. 0.01 min

Lab File: VD063270.D

Acq: 31 Jul 2019 11:16

Instrument :

MSVOA_D

ClientSampleId :

VD0731SBS01

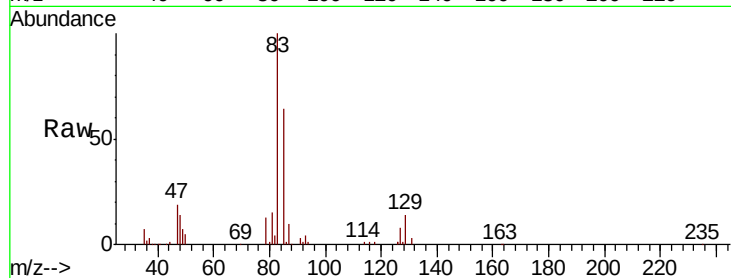
Tot Ion: 83 Resp: 327235

Ion Ratio Lower Upper

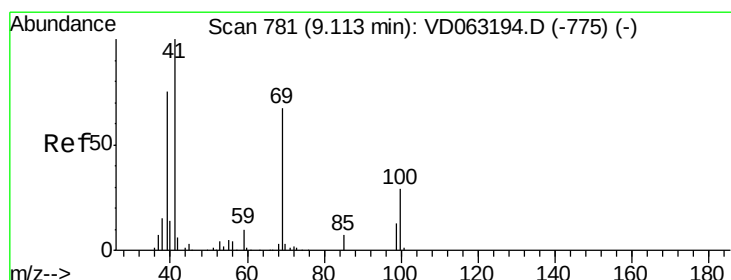
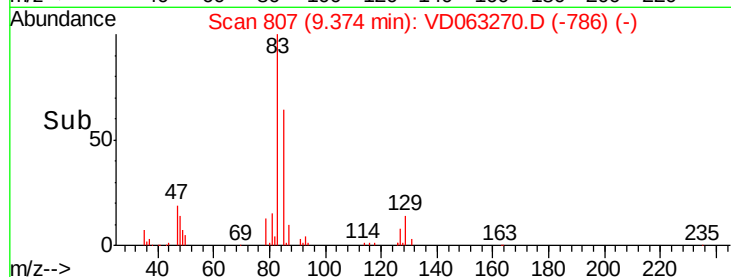
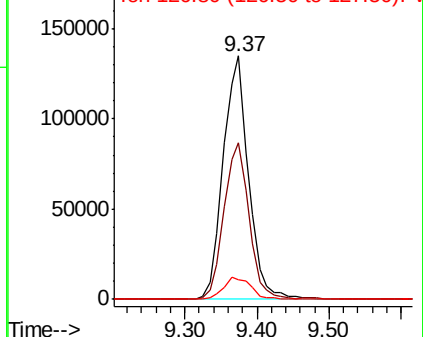
83 100

85 64.2 53.6 80.4

127 8.0 7.2 10.8



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



#48

Methyl methacrylate

Concen: 21.164 ug/l

RT: 9.12 min Scan# 781

Delta R.T. 0.01 min

Lab File: VD063270.D

Acq: 31 Jul 2019 11:16

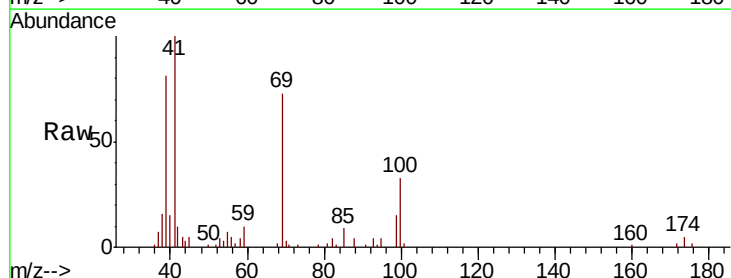
Tgt Ion: 41 Resp: 111749

Ion Ratio Lower Upper

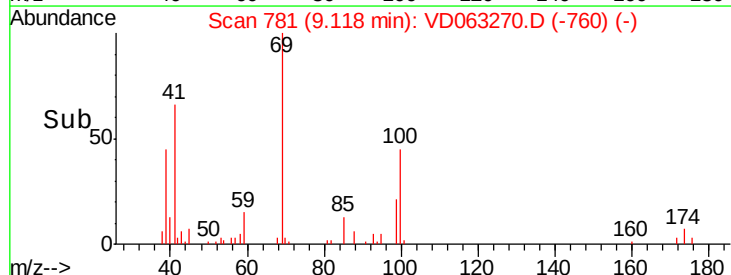
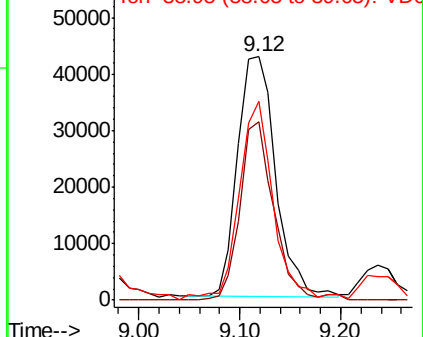
41 100

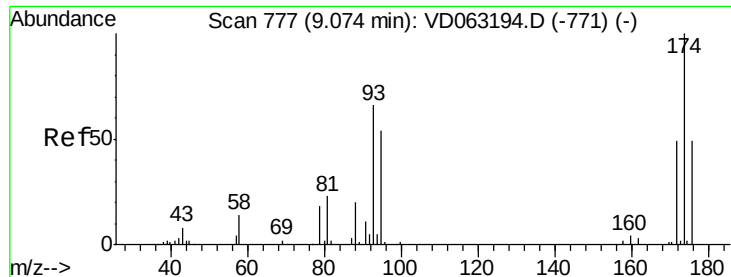
69 73.0 53.4 80.0

39 81.4 60.3 90.5



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

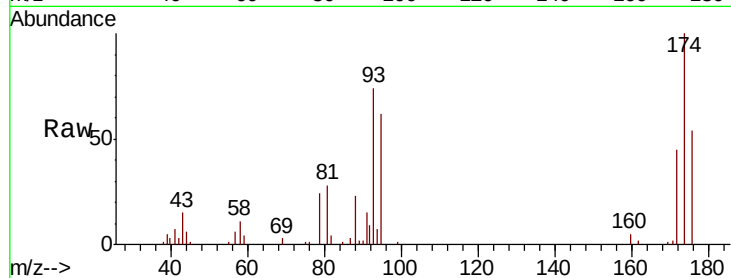




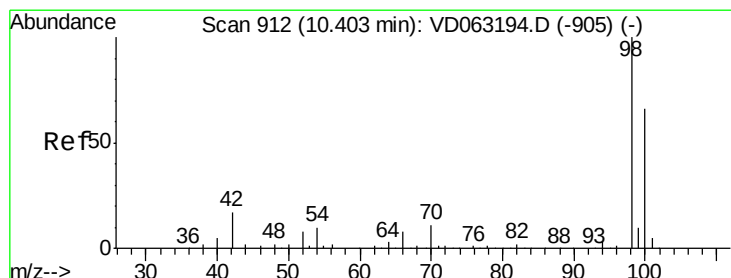
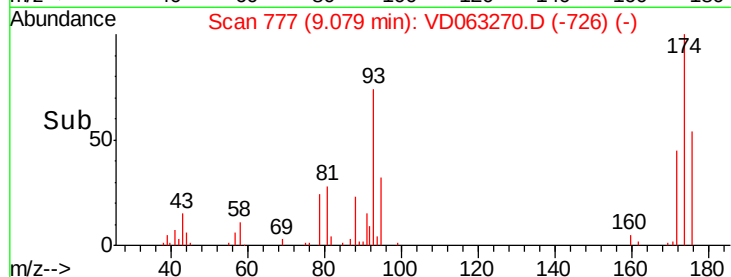
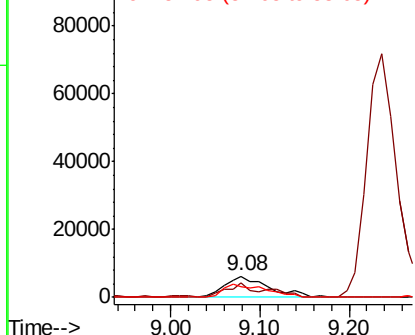
#49
 1,4-Dioxane
 Concen: 475.403 ug/l
 RT: 9.08 min Scan# 777
 Delta R.T. 0.01 min
 Lab File: VD063270.D
 Acq: 31 Jul 2019 11:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0731SBS01

Tot Ion: 88 Resp: 21361
 Ion Ratio Lower Upper
 88 100
 43 67.9 30.7 46.1#
 58 50.7 56.5 84.7#

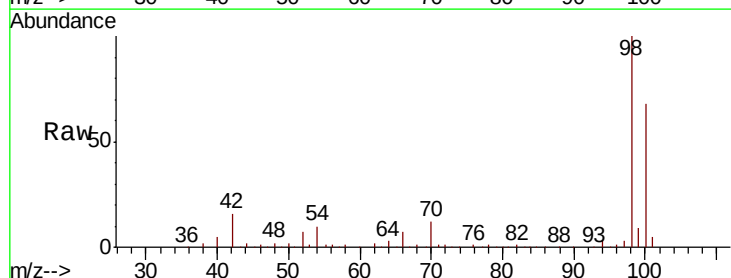


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

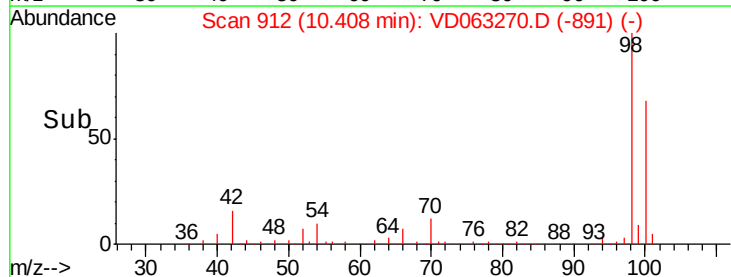
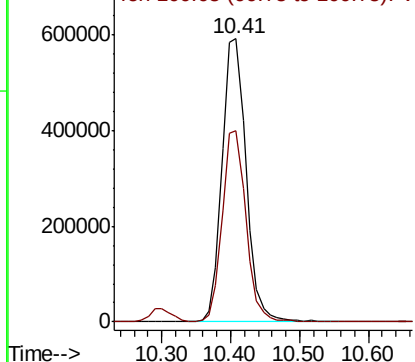


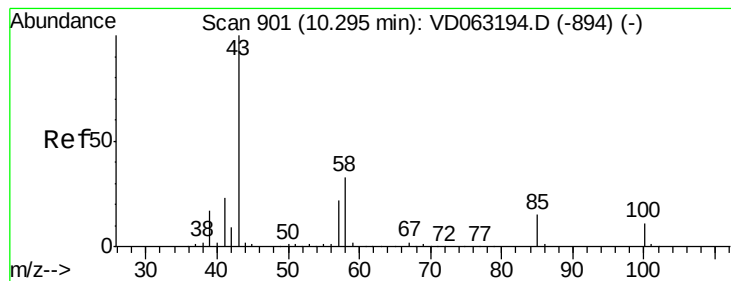
#50
 Toluene-d8
 Concen: 48.277 ug/l
 RT: 10.41 min Scan# 912
 Delta R.T. 0.01 min
 Lab File: VD063270.D
 Acq: 31 Jul 2019 11:16

Tgt Ion: 98 Resp: 1433942
 Ion Ratio Lower Upper
 98 100
 100 67.6 53.2 79.8



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: 106.594 ug/l

RT: 10.30 min Scan# 901

Delta R.T. 0.01 min

Lab File: VD063270.D

Acq: 31 Jul 2019 11:16

Instrument :

MSVOA_D

ClientSampleId :

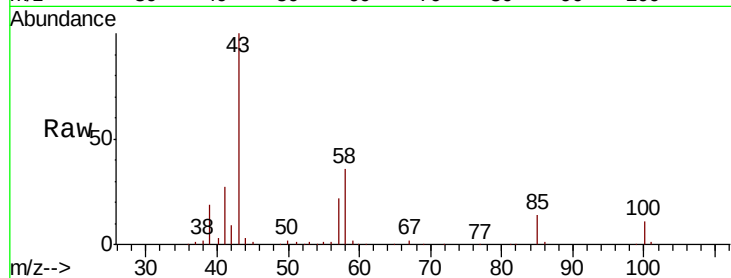
VD0731SBS01

Tot Ion: 43 Resp: 590193

Ion Ratio Lower Upper

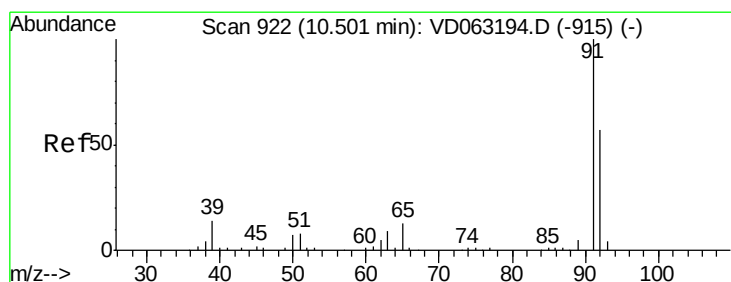
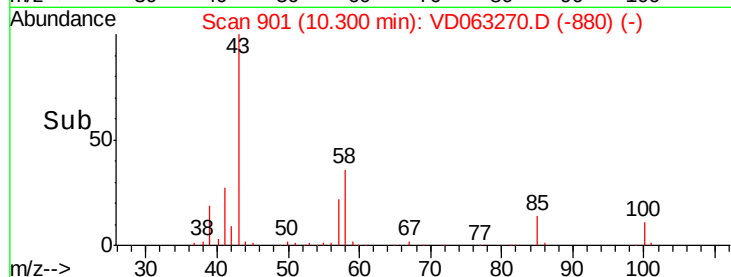
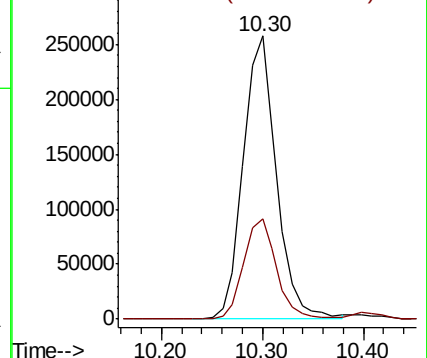
43 100

58 35.7 26.2 39.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 21.349 ug/l

RT: 10.51 min Scan# 922

Delta R.T. 0.01 min

Lab File: VD063270.D

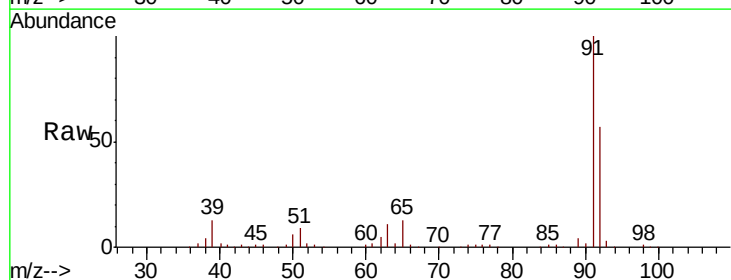
Acq: 31 Jul 2019 11:16

Tgt Ion: 92 Resp: 422180

Ion Ratio Lower Upper

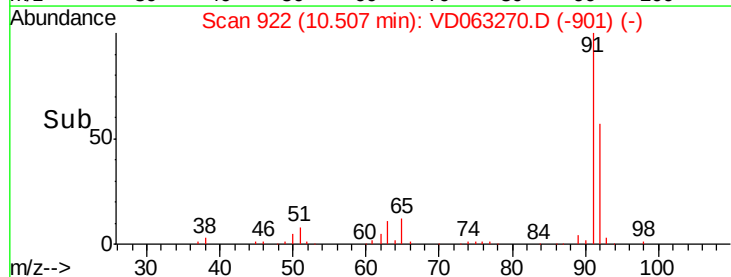
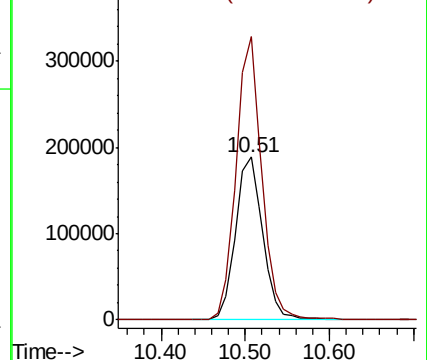
92 100

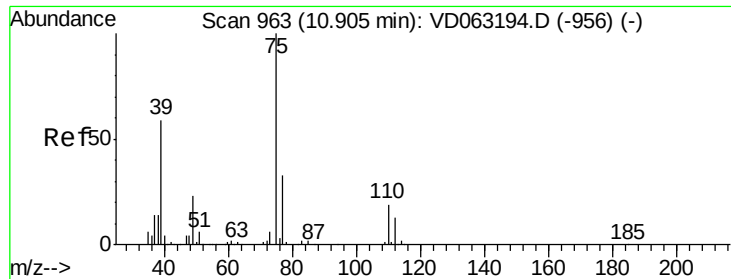
91 174.1 140.8 211.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

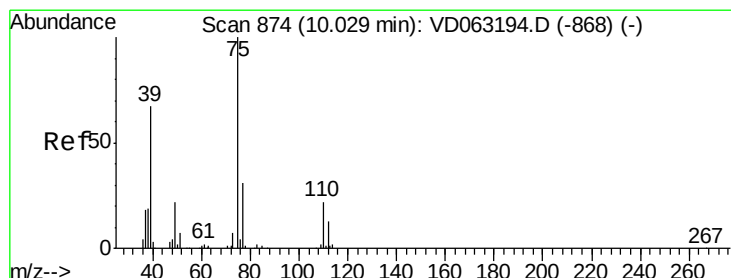
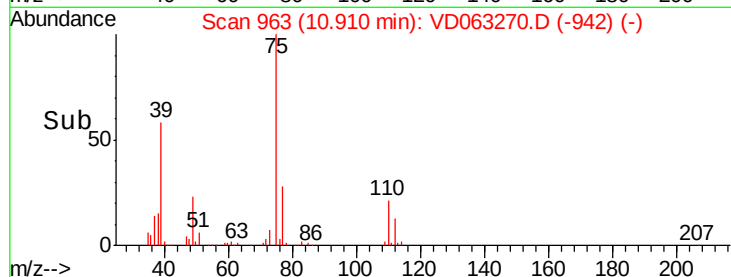
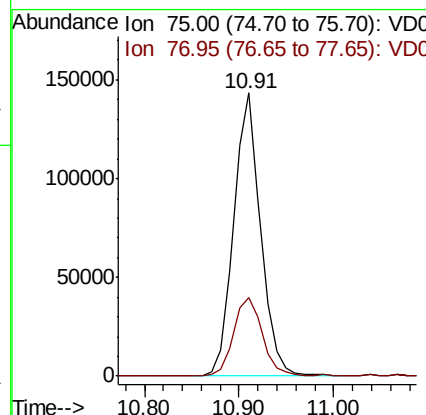
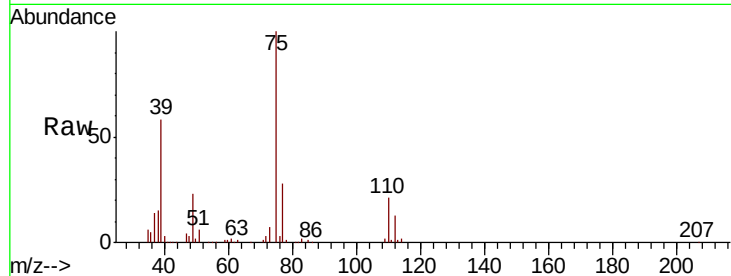




#53
t-1,3-Dichloropropene
Concen: 20.334 ug/l
RT: 10.91 min Scan# 963
Delta R.T. 0.01 min
Lab File: VD063270.D
Acq: 31 Jul 2019 11:16

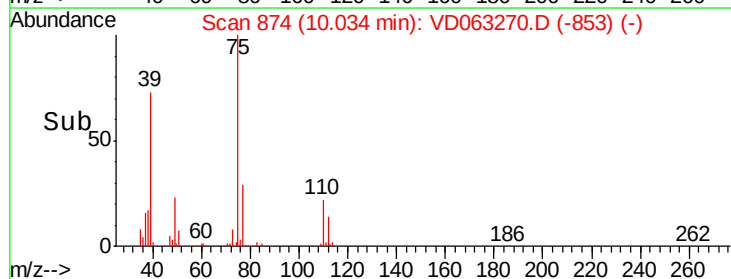
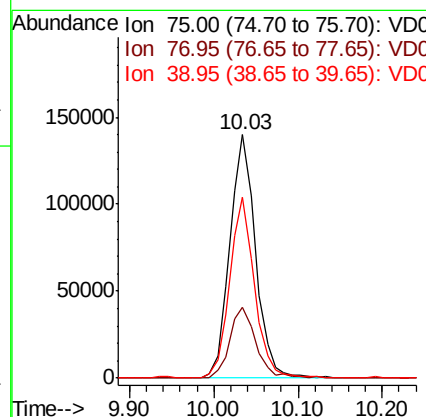
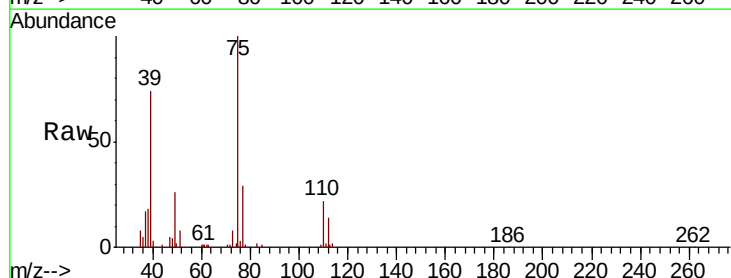
Instrument :
MSVOA_D
ClientSampleId :
VD0731SBS01

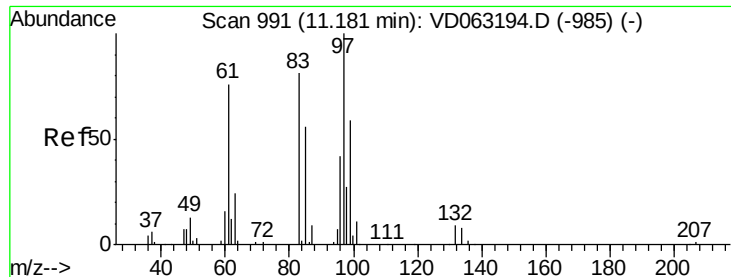
Tot Ion: 75 Resp: 280797
Ion Ratio Lower Upper
75 100
77 28.0 26.6 40.0



#54
cis-1,3-Dichloropropene
Concen: 20.452 ug/l
RT: 10.03 min Scan# 874
Delta R.T. 0.01 min
Lab File: VD063270.D
Acq: 31 Jul 2019 11:16

Tgt Ion: 75 Resp: 296823
Ion Ratio Lower Upper
75 100
77 29.0 24.9 37.3
39 74.5 53.9 80.9

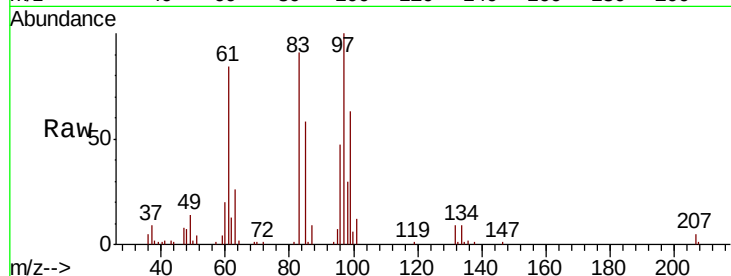




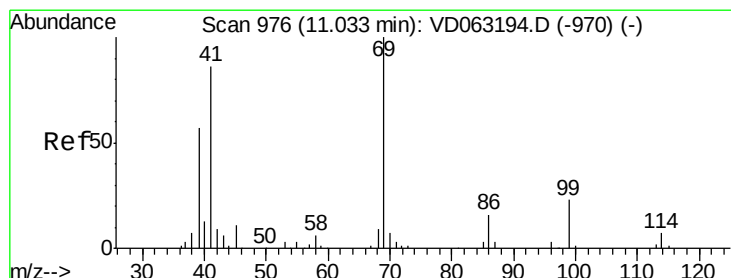
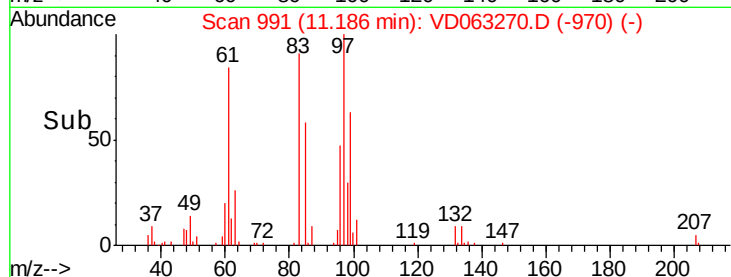
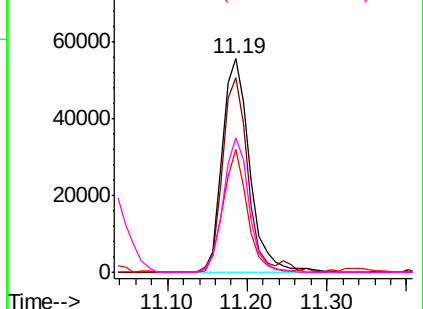
#55
 1,1,2-Trichloroethane
 Concen: 20.209 ug/l
 RT: 11.19 min Scan# 991
 Delta R.T. 0.01 min
 Lab File: VD063270.D
 Acq: 31 Jul 2019 11:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0731SBS01

Tot Ion:	97	Resp:	134972
Ion	Ratio	Lower	Upper
97	100		
83	91.2	64.8	97.2
85	57.5	44.9	67.3
99	62.8	47.2	70.8

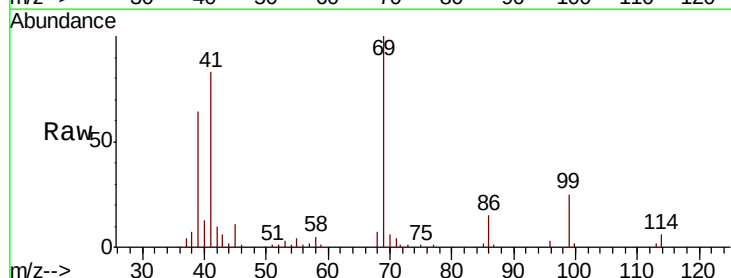


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

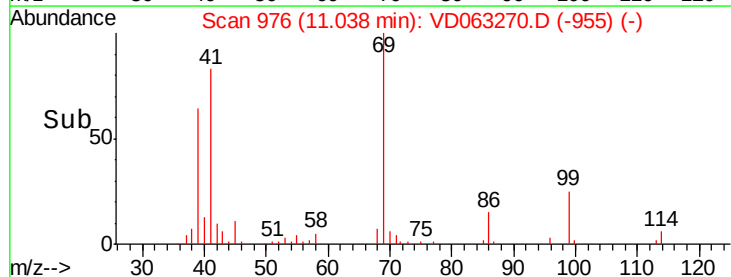
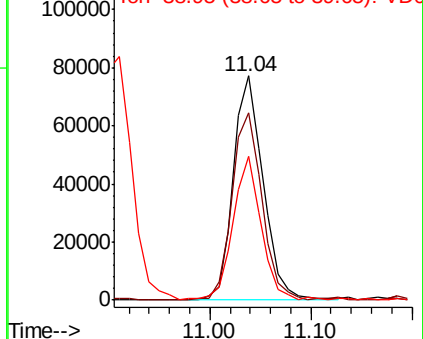


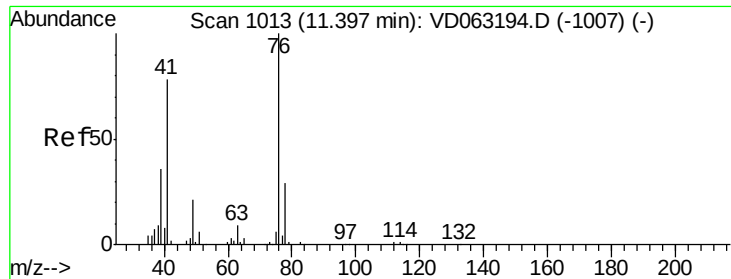
#56
 Ethyl methacrylate
 Concen: 21.690 ug/l
 RT: 11.04 min Scan# 976
 Delta R.T. 0.01 min
 Lab File: VD063270.D
 Acq: 31 Jul 2019 11:16

Tgt Ion:	69	Resp:	158627
Ion	Ratio	Lower	Upper
69	100		
41	83.4	68.8	103.2
39	64.3	45.8	68.8



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





#57

1,3-Dichloropropane

Concen: 19.805 ug/l

RT: 11.40 min Scan# 1013

Delta R.T. 0.01 min

Lab File: VD063270.D

Acq: 31 Jul 2019 11:16

Instrument :

MSVOA_D

ClientSampleId :

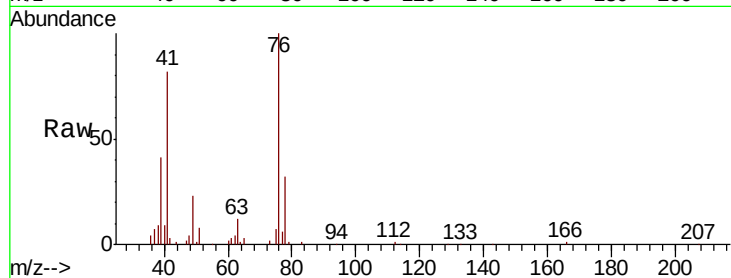
VD0731SBS01

Tot Ion: 76 Resp: 208405

Ion Ratio Lower Upper

76 100

78 31.5 23.4 35.0



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

11.40

100000

80000

60000

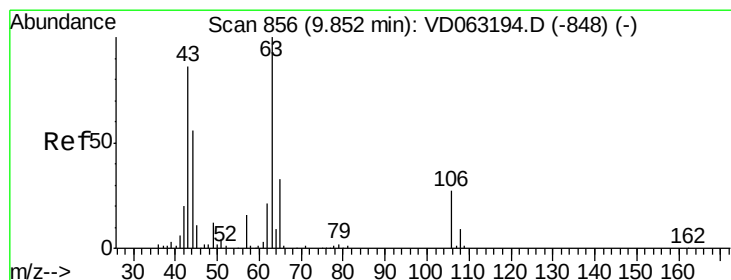
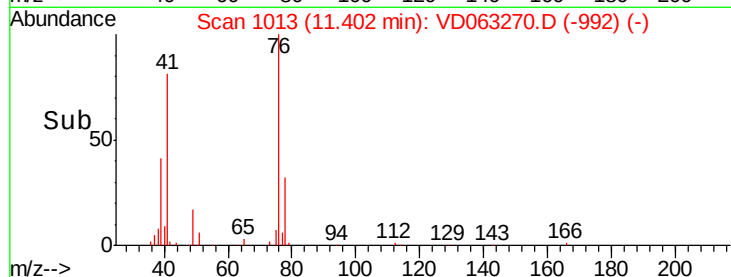
40000

20000

0

Time-->

11.30 11.40 11.50



#58

2-Chloroethyl Vinyl ether

Concen: 97.526 ug/l

RT: 9.86 min Scan# 856

Delta R.T. 0.01 min

Lab File: VD063270.D

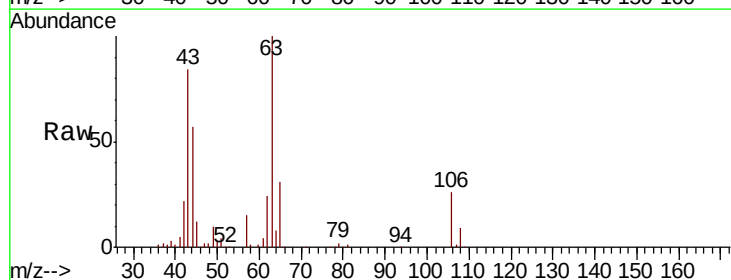
Acq: 31 Jul 2019 11:16

Tgt Ion: 63 Resp: 371130

Ion Ratio Lower Upper

63 100

106 26.4 22.0 33.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

9.86

200000

150000

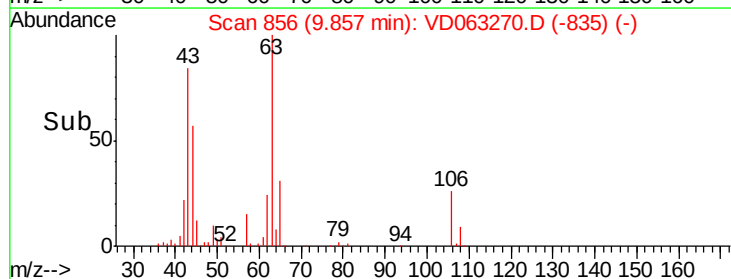
100000

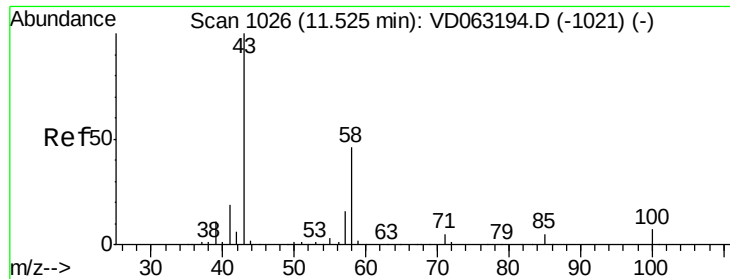
50000

0

Time-->

9.70 9.80 9.90 10.00

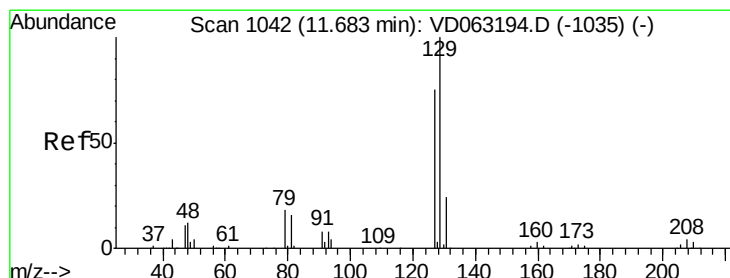
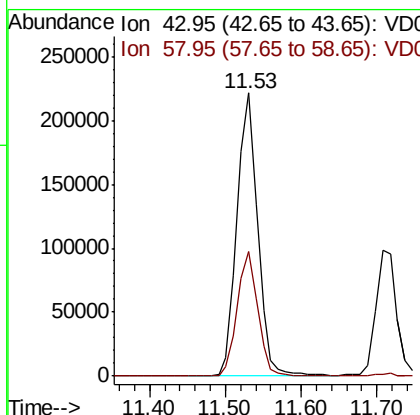
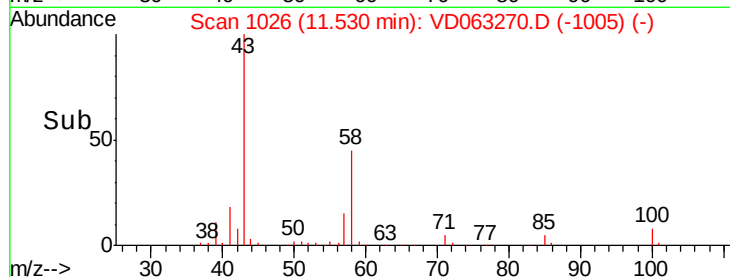
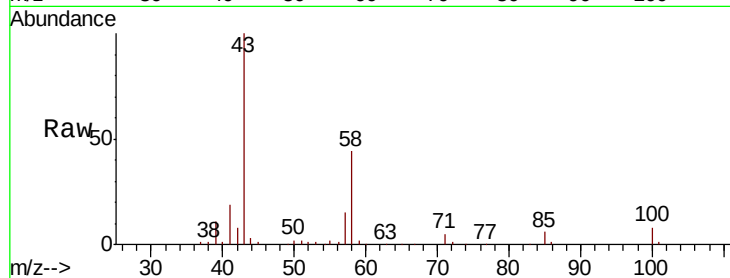




#59
2-Hexanone
Concen: 105.333 ug/l
RT: 11.53 min Scan# 1026
Delta R.T. 0.01 min
Lab File: VD063270.D
Acq: 31 Jul 2019 11:16

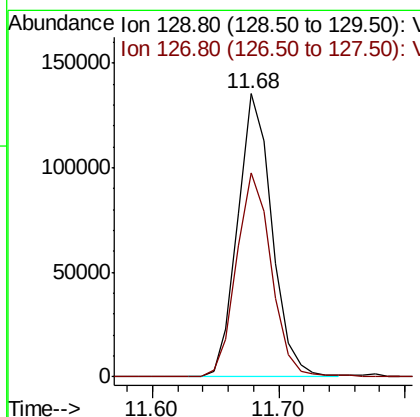
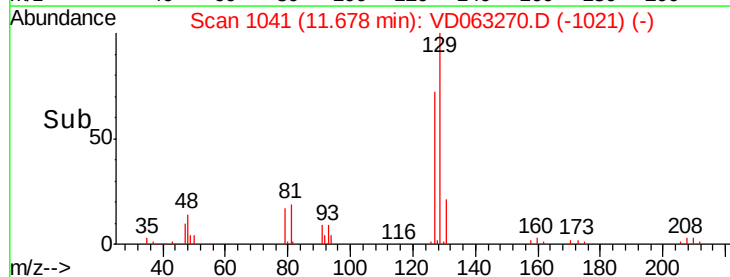
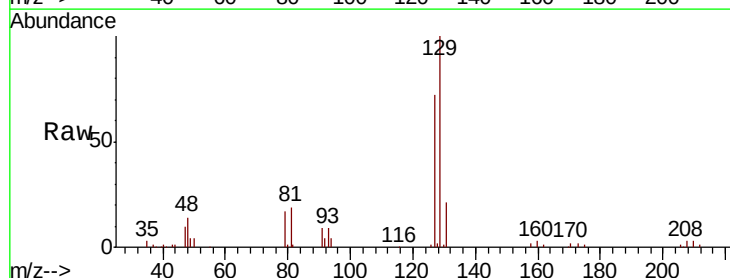
Instrument :
MSVOA_D
ClientSampleId :
VD0731SBS01

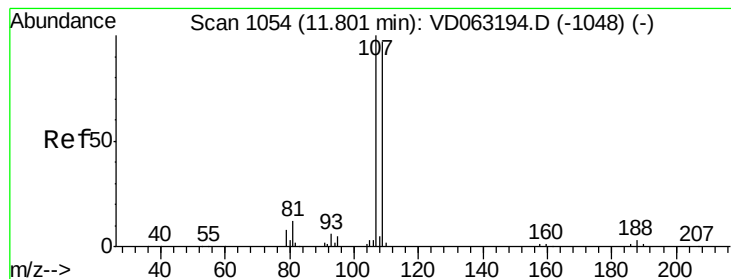
Tot Ion: 43 Resp: 420287
Ion Ratio Lower Upper
43 100
58 44.2 22.9 68.5



#60
Dibromochloromethane
Concen: 20.176 ug/l
RT: 11.68 min Scan# 1041
Delta R.T. -0.00 min
Lab File: VD063270.D
Acq: 31 Jul 2019 11:16

Tgt Ion:129 Resp: 254387
Ion Ratio Lower Upper
129 100
127 71.9 37.6 112.8





#61

1,2-Dibromoethane

Concen: 20.943 ug/l

RT: 11.81 min Scan# 1054

Delta R.T. 0.01 min

Lab File: VD063270.D

Acq: 31 Jul 2019 11:16

Instrument :

MSVOA_D

ClientSampleId :

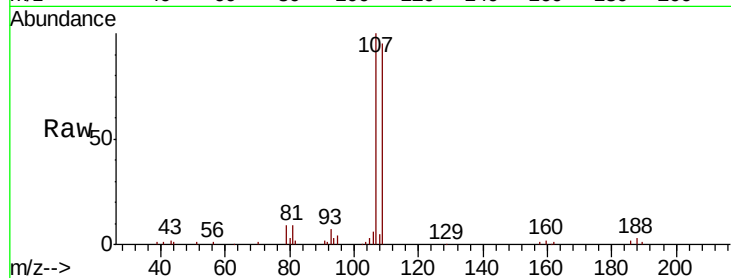
VD0731SBS01

Tot Ion:107 Resp: 172593

Ion Ratio Lower Upper

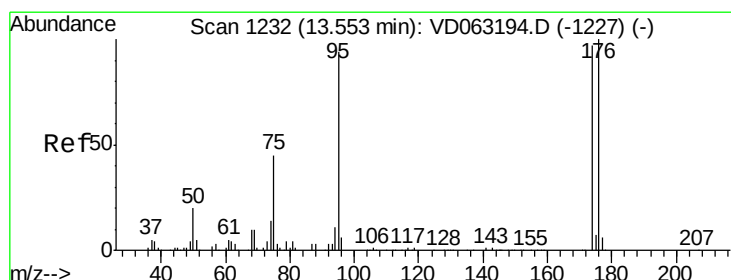
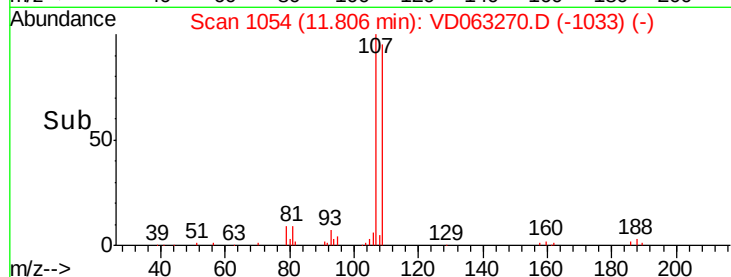
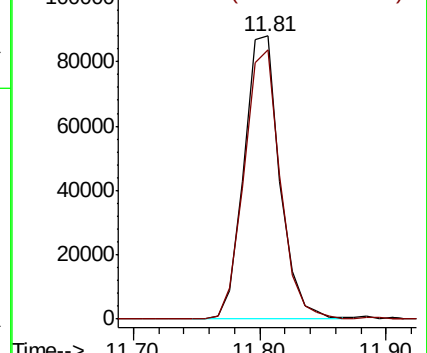
107 100

109 95.1 77.5 116.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 45.814 ug/l

RT: 13.55 min Scan# 1231

Delta R.T. -0.00 min

Lab File: VD063270.D

Acq: 31 Jul 2019 11:16

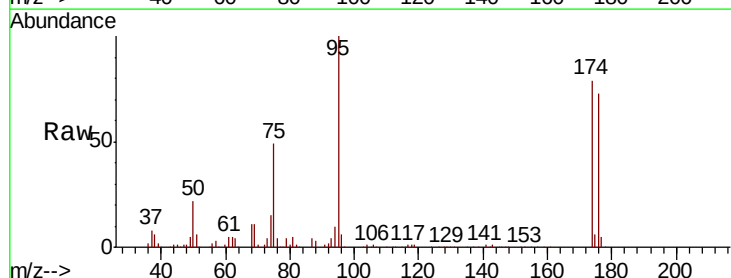
Tgt Ion: 95 Resp: 620110

Ion Ratio Lower Upper

95 100

174 78.5 0.0 205.4

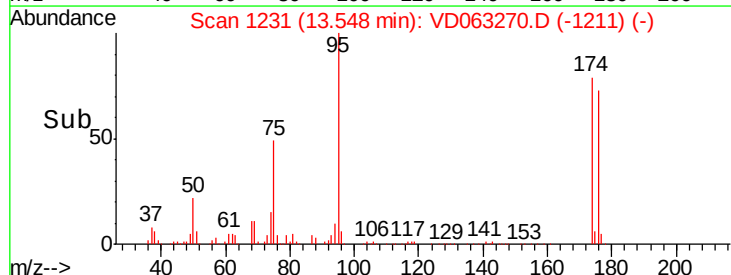
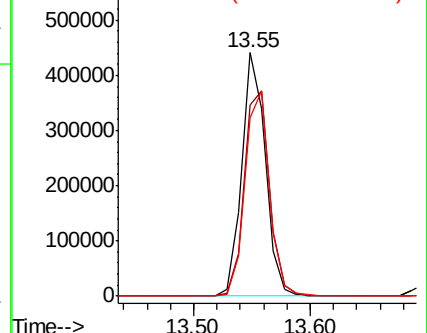
176 73.3 0.0 211.8

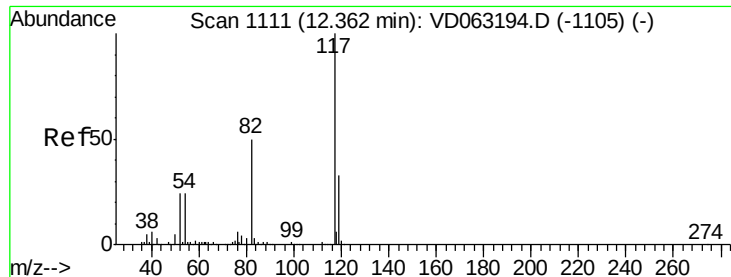


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

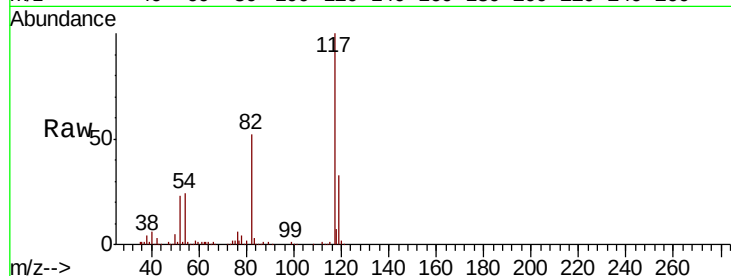




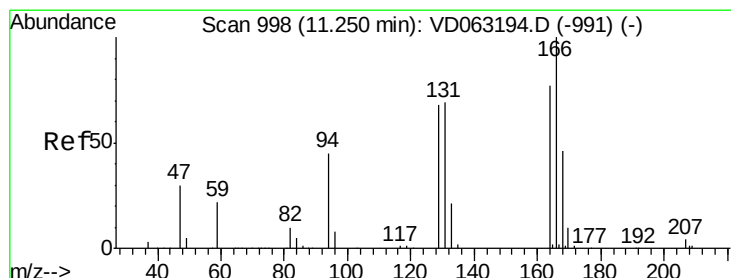
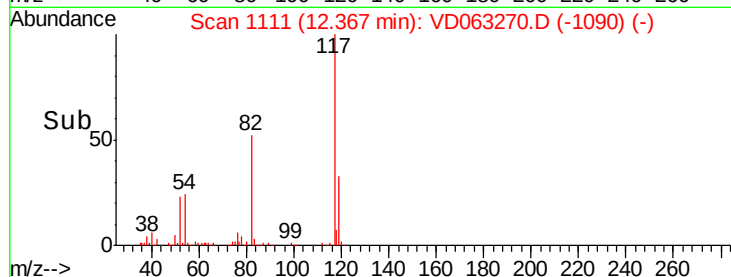
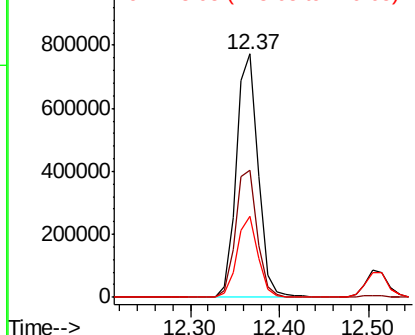
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1111
Delta R.T. 0.01 min
Lab File: VD063270.D
Acq: 31 Jul 2019 11:16

Instrument :
MSVOA_D
ClientSampleId :
VD0731SBS01

Tot Ion:117 Resp: 1326129
Ion Ratio Lower Upper
117 100
82 52.0 40.1 60.1
119 33.1 26.5 39.7

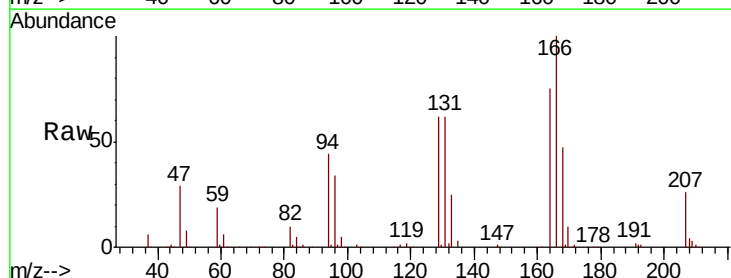


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

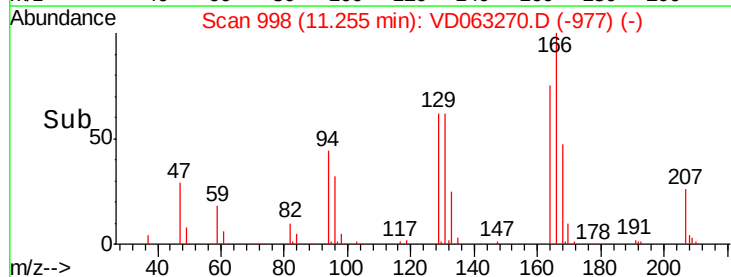
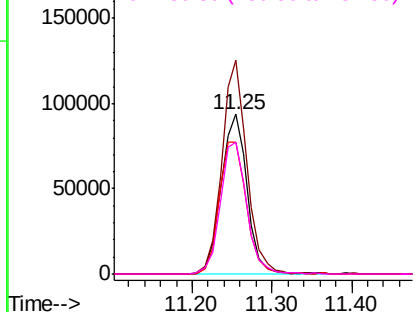


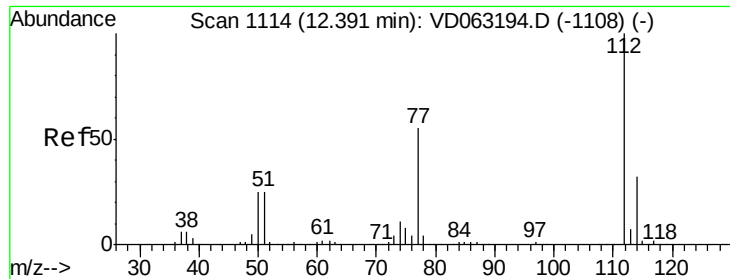
#64
Tetrachloroethene
Concen: 20.331 ug/l
RT: 11.25 min Scan# 998
Delta R.T. 0.01 min
Lab File: VD063270.D
Acq: 31 Jul 2019 11:16

Tgt Ion:164 Resp: 214796
Ion Ratio Lower Upper
164 100
166 133.7 104.3 156.5
129 82.9 70.9 106.3
131 82.9 71.6 107.4



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

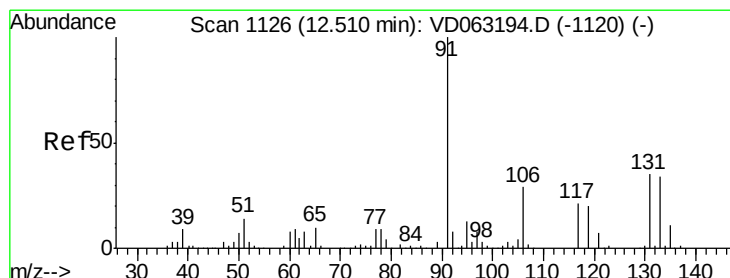
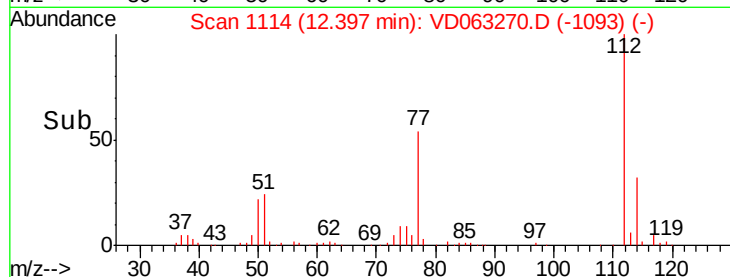
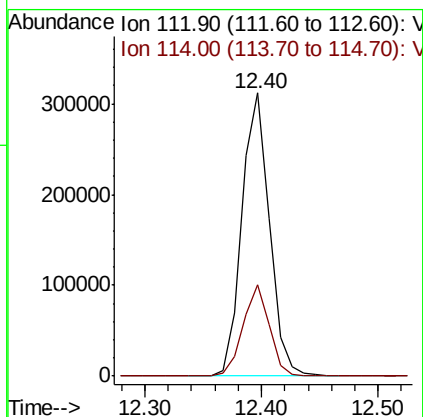
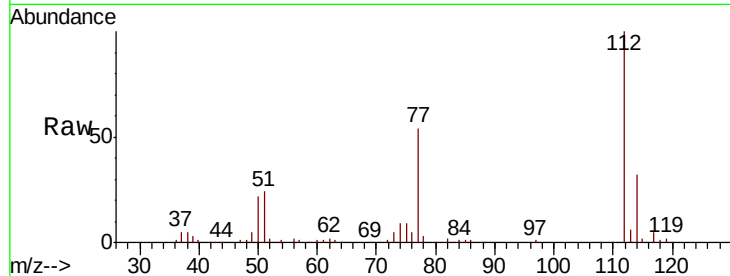




#65
Chlorobenzene
Concen: 19.997 ug/l
RT: 12.40 min Scan# 1114
Delta R.T. 0.01 min
Lab File: VD063270.D
Acq: 31 Jul 2019 11:16

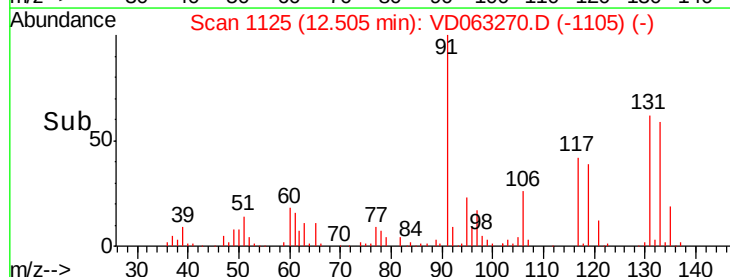
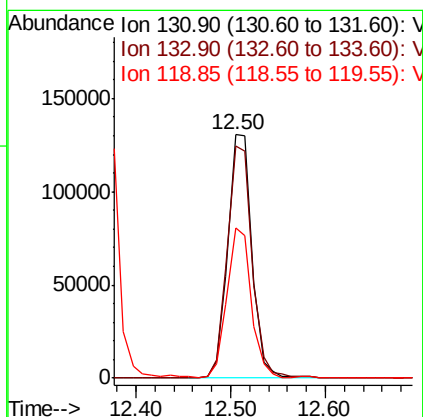
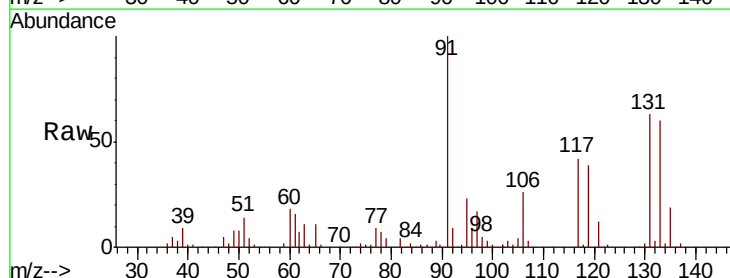
Instrument :
MSVOA_D
ClientSampleId :
VD0731SBS01

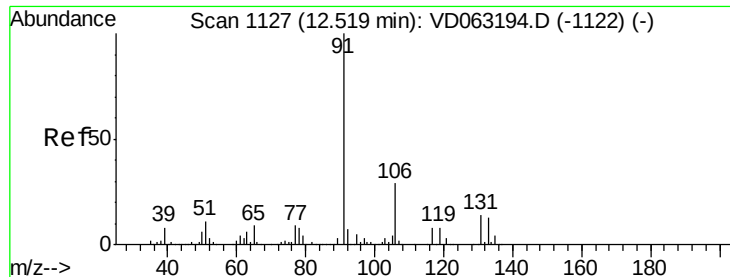
Tot Ion:112 Resp: 510081
Ion Ratio Lower Upper
112 100
114 32.2 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 20.574 ug/l
RT: 12.50 min Scan# 1125
Delta R.T. -0.00 min
Lab File: VD063270.D
Acq: 31 Jul 2019 11:16

Tgt Ion:131 Resp: 231162
Ion Ratio Lower Upper
131 100
133 95.2 48.4 145.2
119 61.6 29.1 87.3

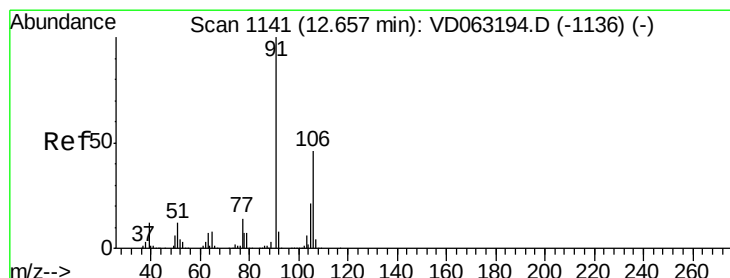
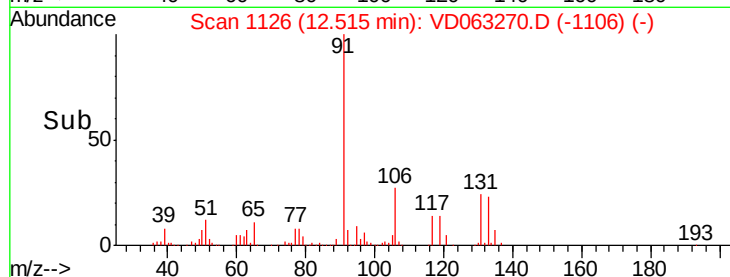
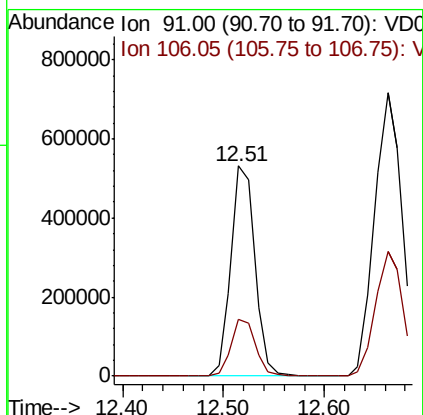
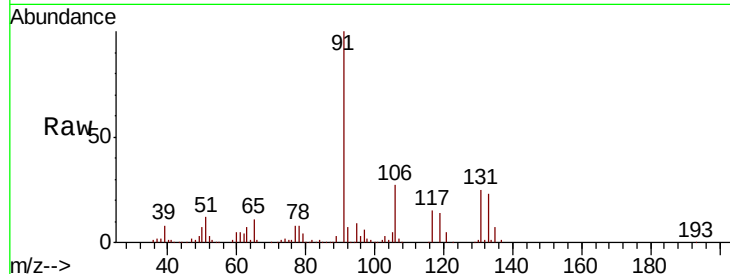




#67
Ethyl Benzene
Concen: 20.295 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.00 min
Lab File: VD063270.D
Acq: 31 Jul 2019 11:16

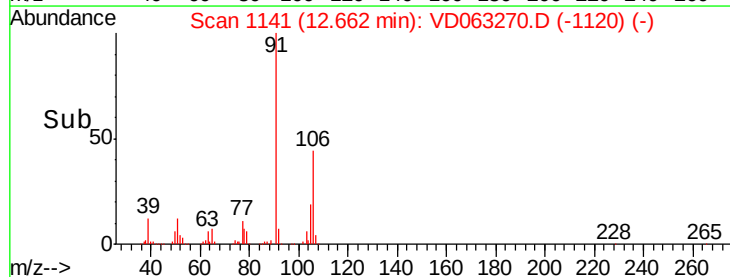
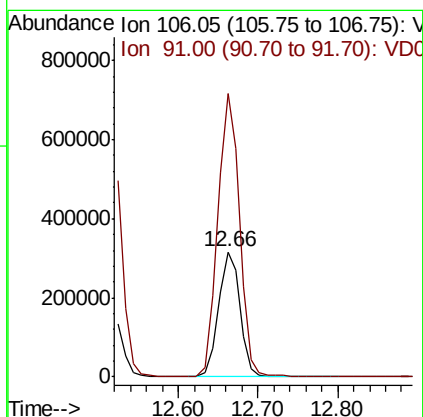
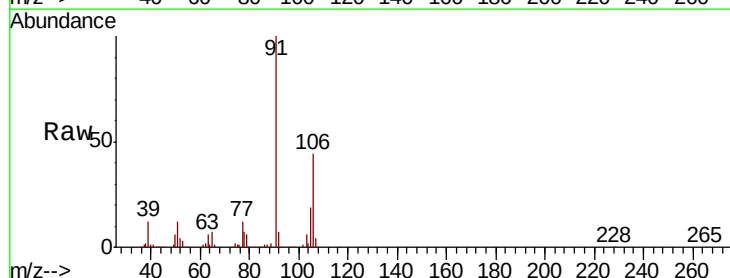
Instrument :
MSVOA_D
ClientSampleId :
VD0731SBS01

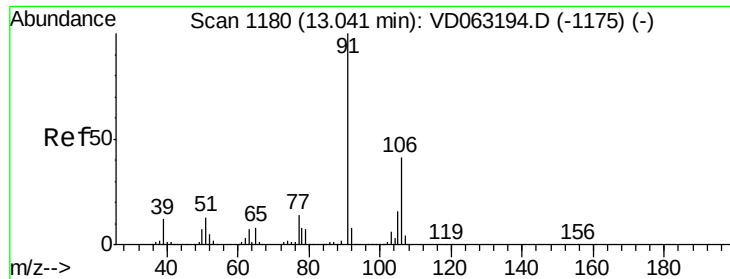
Tot Ion: 91 Resp: 879421
Ion Ratio Lower Upper
91 100
106 27.2 22.9 34.3



#68
m/p-Xylenes
Concen: 37.996 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. 0.01 min
Lab File: VD063270.D
Acq: 31 Jul 2019 11:16

Tgt Ion: 106 Resp: 603794
Ion Ratio Lower Upper
106 100
91 226.7 172.6 259.0

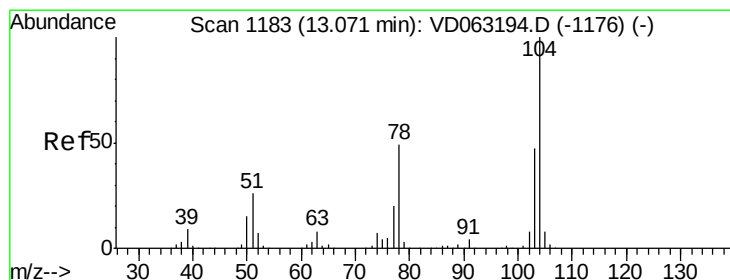
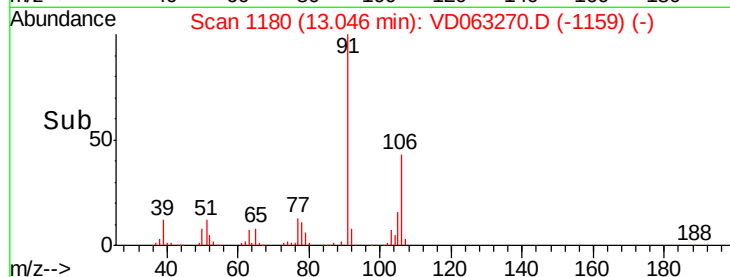
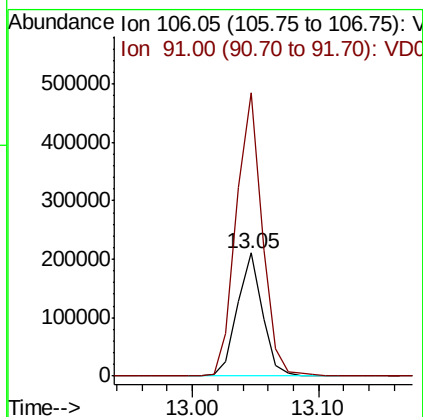
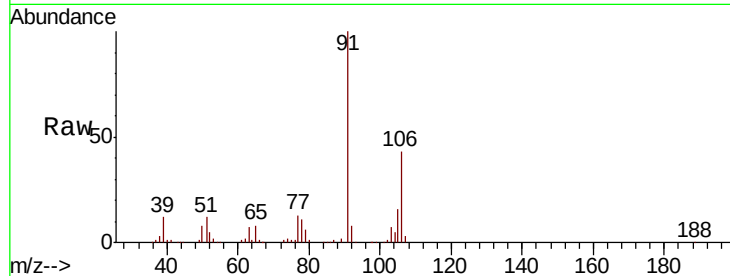




#69
o-Xylene
Concen: 19.704 ug/l
RT: 13.05 min Scan# 1180
Delta R.T. 0.01 min
Lab File: VD063270.D
Acq: 31 Jul 2019 11:16

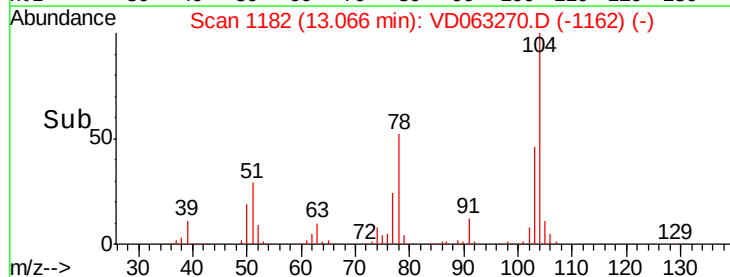
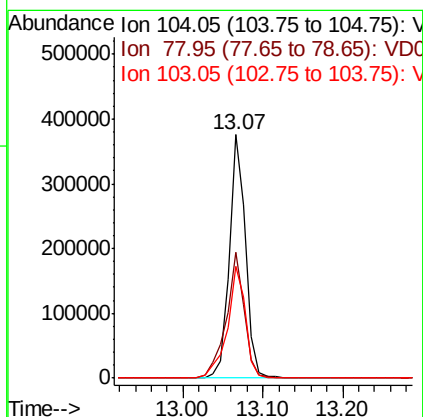
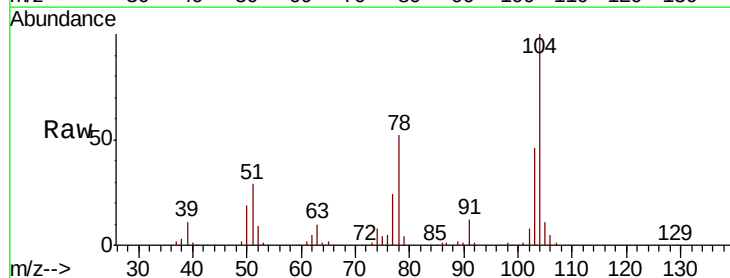
Instrument :
MSVOA_D
ClientSampleId :
VD0731SBS01

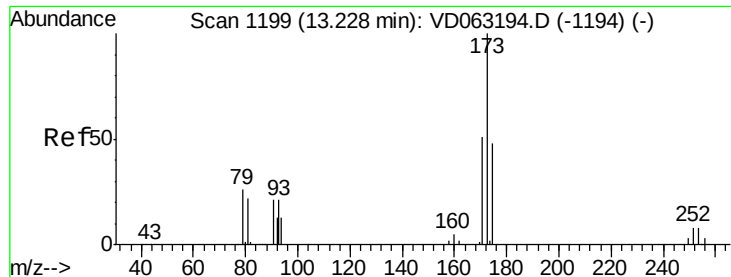
Tot Ion:106 Resp: 287541
Ion Ratio Lower Upper
106 100
91 230.3 121.3 363.9



#70
Styrene
Concen: 20.799 ug/l
RT: 13.07 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VD063270.D
Acq: 31 Jul 2019 11:16

Tgt Ion:104 Resp: 538263
Ion Ratio Lower Upper
104 100
78 51.5 39.4 59.0
103 46.2 37.4 56.2





#71

Bromoform

Concen: 20.353 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. 0.01 min

Lab File: VD063270.D

Acq: 31 Jul 2019 11:16

Instrument :

MSVOA_D

ClientSampleId :

VD0731SBS01

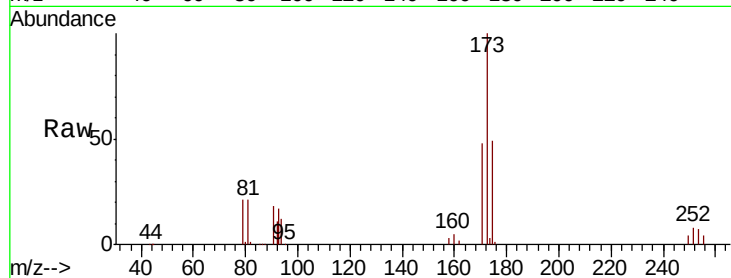
Tot Ion:173 Resp: 166299

Ion	Ratio	Lower	Upper
173	100		
175	48.5	23.8	71.5
254	6.8	6.6	10.0

173 100

175 48.5 23.8 71.5

254 6.8 6.6 10.0

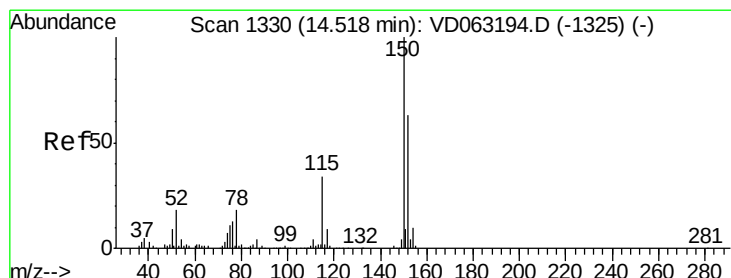
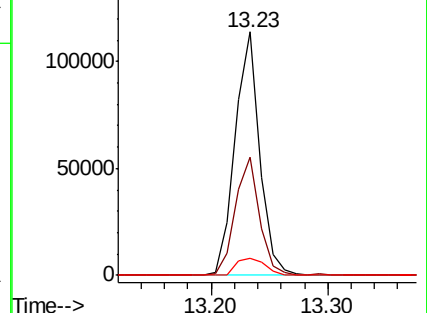
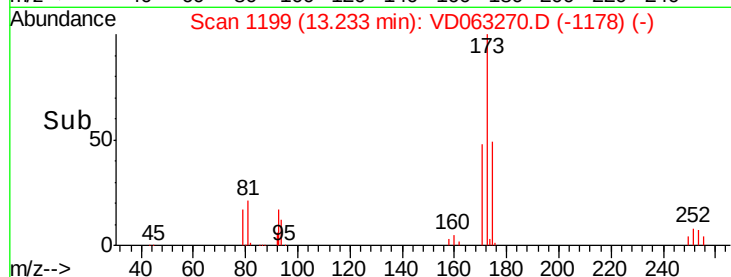


Abundance

Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.51 min Scan# 1329

Delta R.T. -0.00 min

Lab File: VD063270.D

Acq: 31 Jul 2019 11:16

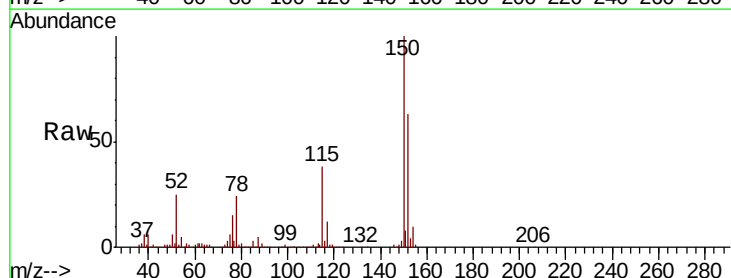
Tgt Ion:152 Resp: 694014

Ion	Ratio	Lower	Upper
152	100		
115	61.0	27.5	82.4
150	159.8	0.0	320.6

152 100

115 61.0 27.5 82.4

150 159.8 0.0 320.6

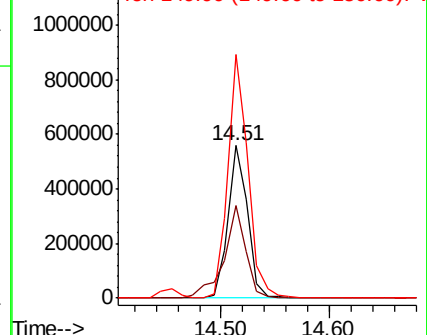
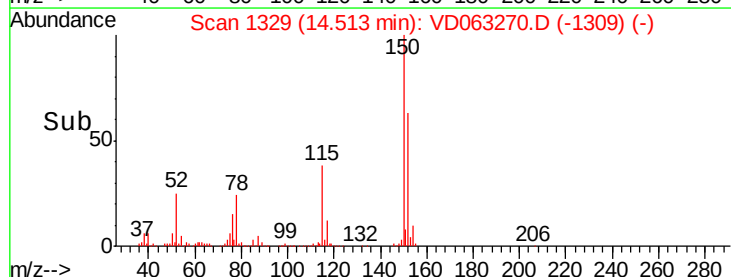


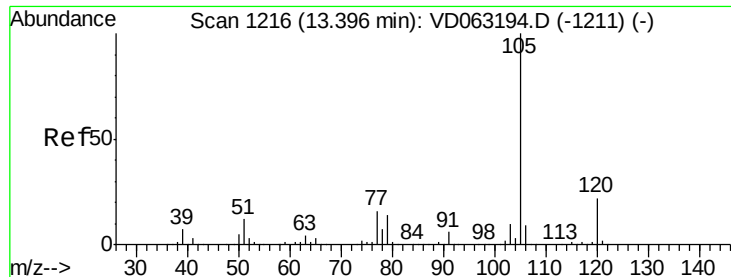
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.479 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. 0.01 min

Lab File: VD063270.D

Acq: 31 Jul 2019 11:16

Instrument :

MSVOA_D

ClientSampleId :

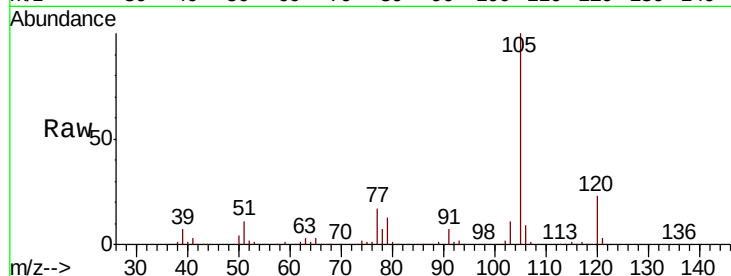
VD0731SBS01

Tot Ion:105 Resp: 935609

Ion Ratio Lower Upper

105 100

120 23.4 11.1 33.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.40

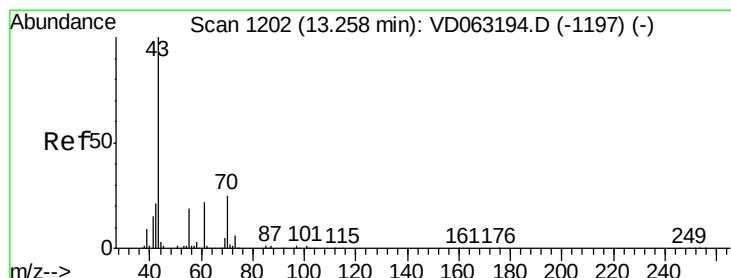
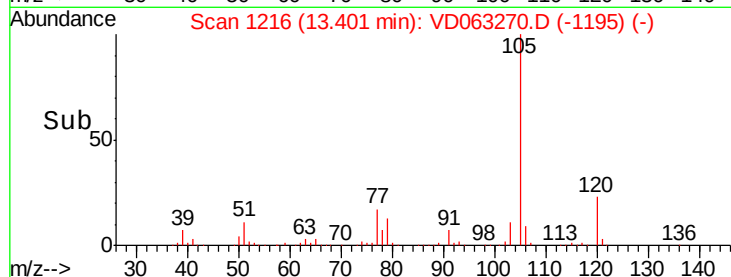
600000

400000

200000

0

Time--> 13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 19.842 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. 0.01 min

Lab File: VD063270.D

Acq: 31 Jul 2019 11:16

Tgt Ion: 43 Resp: 228483

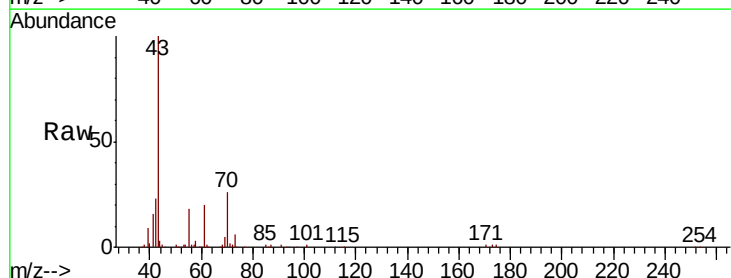
Ion Ratio Lower Upper

43 100

70 25.7 20.2 30.4

55 18.0 14.9 22.3

61 20.3 17.9 26.9



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

300000

250000

200000

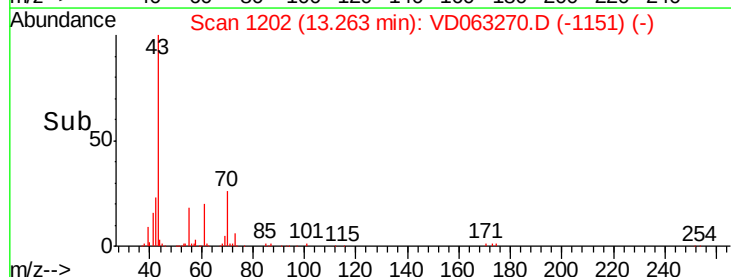
150000

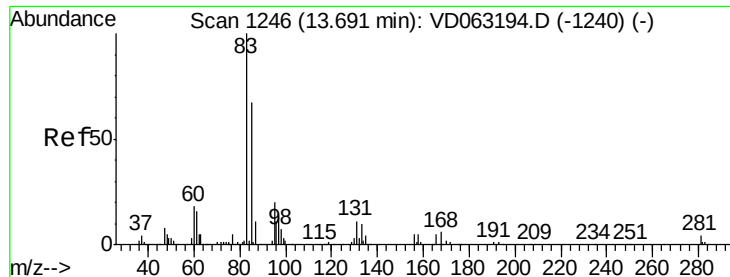
100000

50000

0

Time--> 13.20 13.30 13.40





#75

1,1,2,2-Tetrachloroethane

Concen: 20.670 ug/l

RT: 13.70 min Scan# 1246

Delta R.T. 0.01 min

Lab File: VD063270.D

Acq: 31 Jul 2019 11:16

Instrument :

MSVOA_D

ClientSampleId :

VD0731SBS01

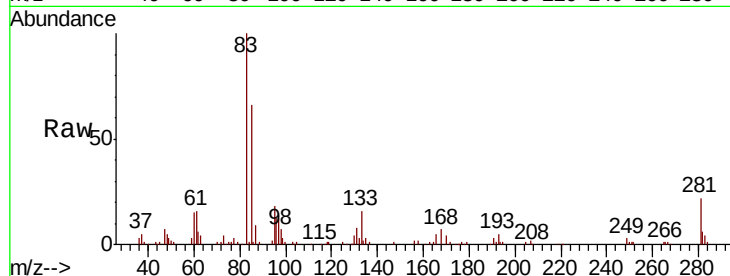
Tot Ion: 83 Resp: 152941

Ion Ratio Lower Upper

83 100

131 8.1 5.5 16.7

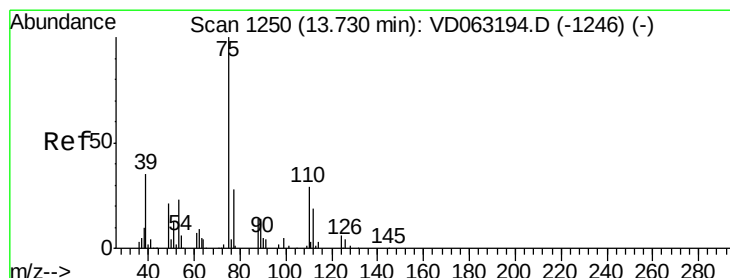
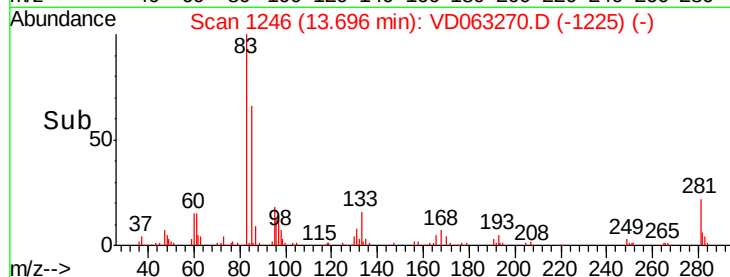
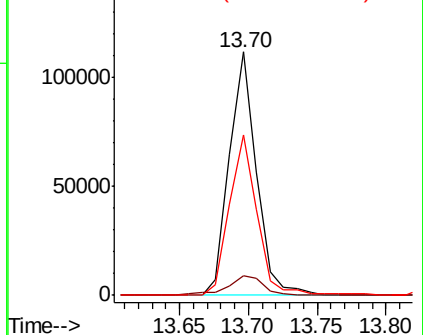
85 65.8 33.7 101.1



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: 20.620 ug/l

RT: 13.73 min Scan# 1249

Delta R.T. -0.00 min

Lab File: VD063270.D

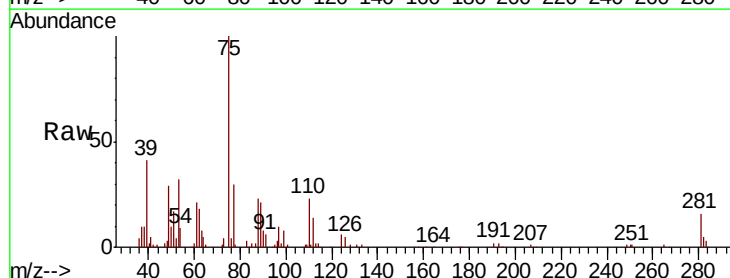
Acq: 31 Jul 2019 11:16

Tgt Ion: 75 Resp: 171886

Ion Ratio Lower Upper

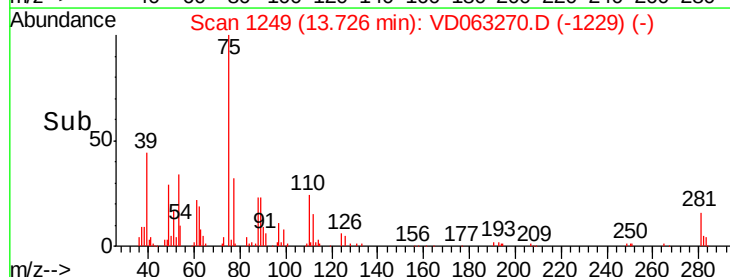
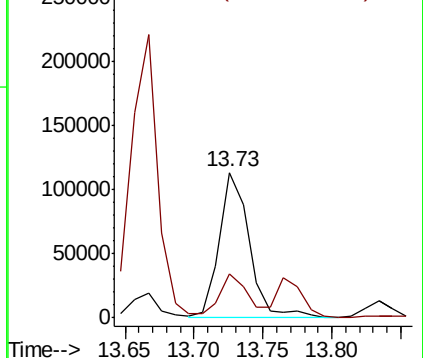
75 100

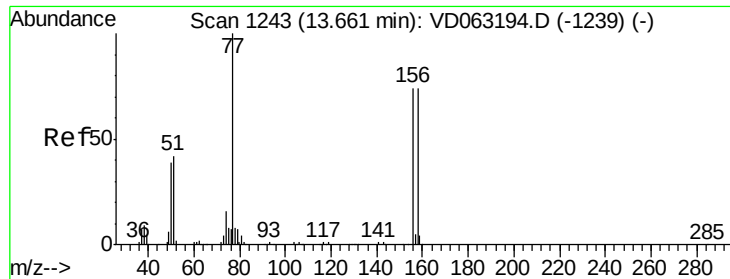
77 30.3 16.0 48.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 20.402 ug/l

RT: 13.67 min Scan# 1243

Delta R.T. 0.01 min

Lab File: VD063270.D

Acq: 31 Jul 2019 11:16

Instrument :

MSVOA_D

ClientSampleId :

VD0731SBS01

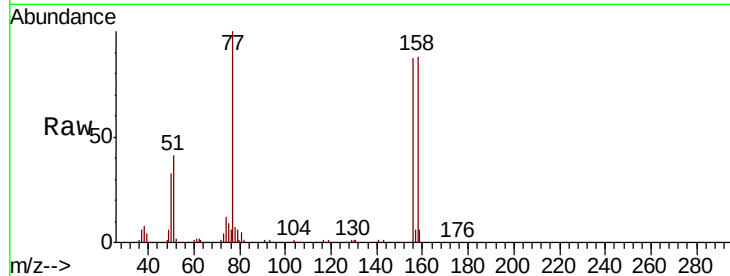
Tot Ion:156 Resp: 253161

Ion Ratio Lower Upper

156 100

77 114.4 67.6 202.8

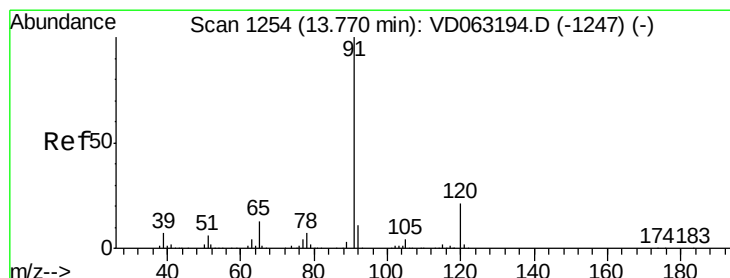
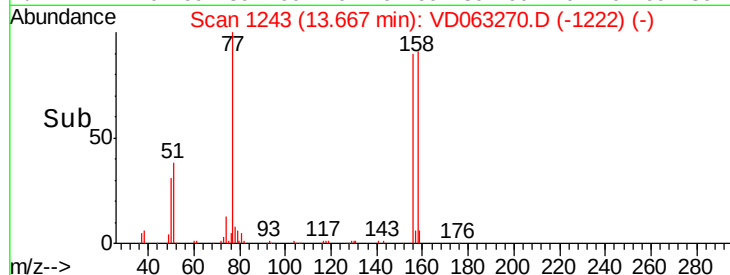
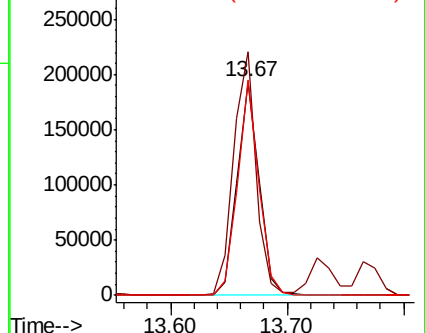
158 101.1 49.8 149.4



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: 19.849 ug/l

RT: 13.77 min Scan# 1253

Delta R.T. -0.00 min

Lab File: VD063270.D

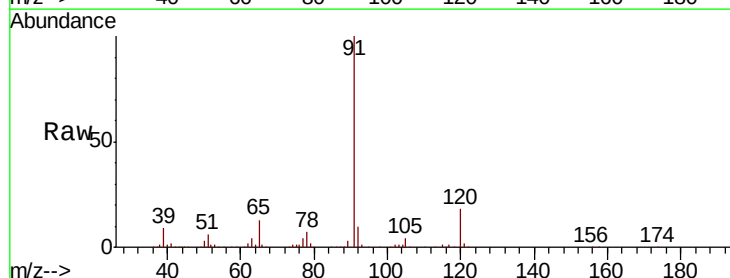
Acq: 31 Jul 2019 11:16

Tgt Ion: 91 Resp: 1028861

Ion Ratio Lower Upper

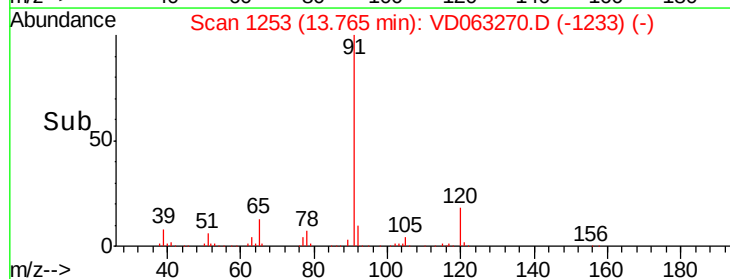
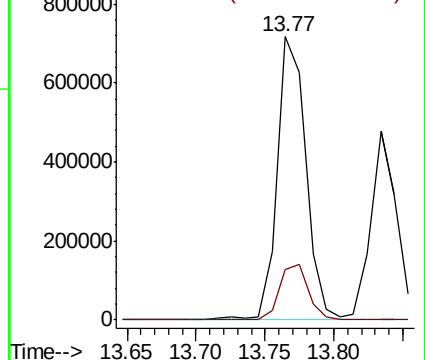
91 100

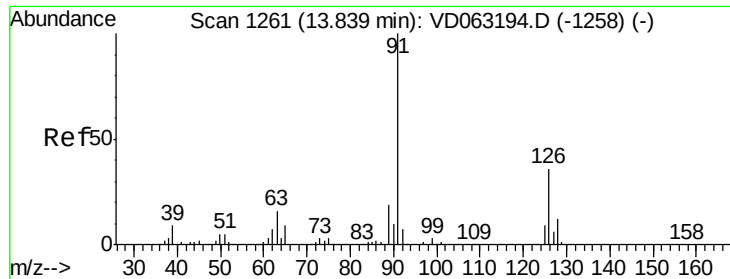
120 18.0 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 20.887 ug/l

RT: 13.83 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VD063270.D

Acq: 31 Jul 2019 11:16

Instrument :

MSVOA_D

ClientSampleId :

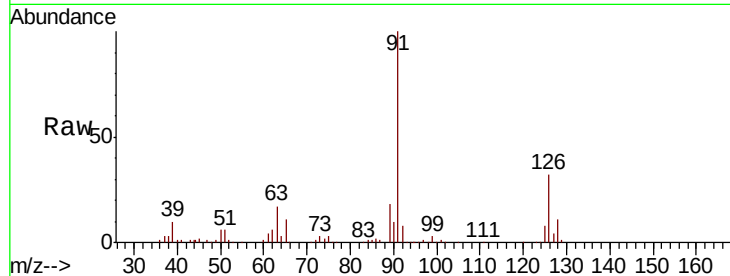
VD0731SBS01

Tot Ion: 91 Resp: 627359

Ion Ratio Lower Upper

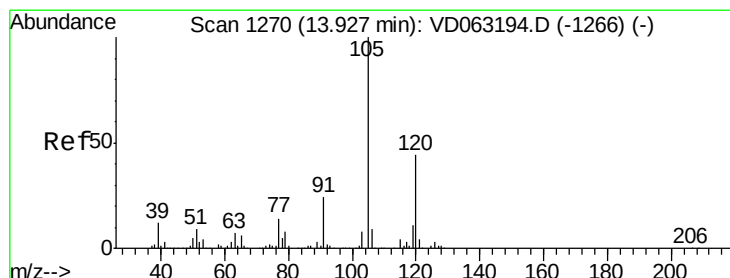
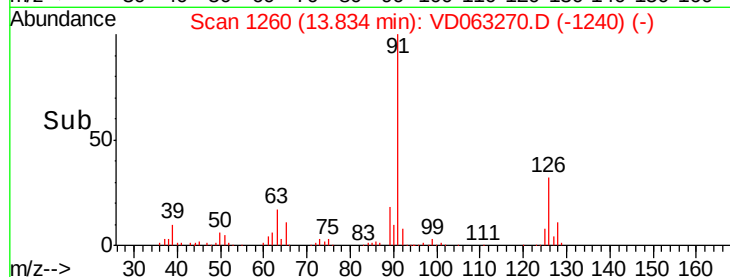
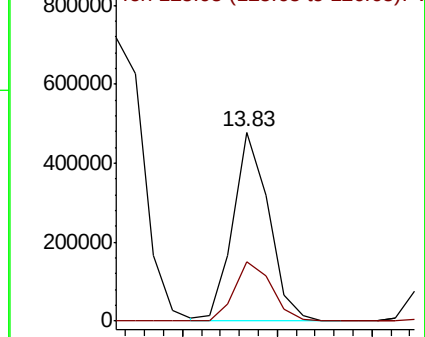
91 100

126 31.6 17.8 53.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 21.716 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VD063270.D

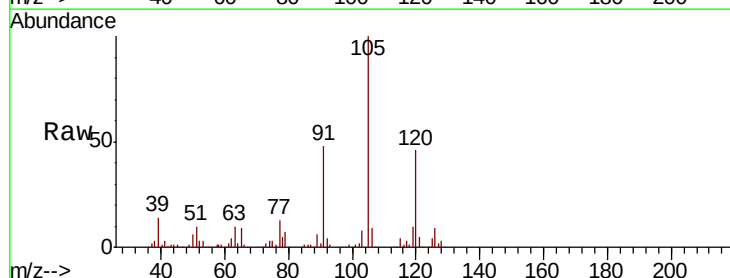
Acq: 31 Jul 2019 11:16

Tgt Ion: 105 Resp: 815835

Ion Ratio Lower Upper

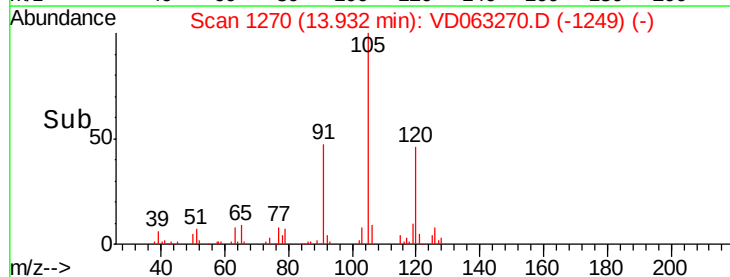
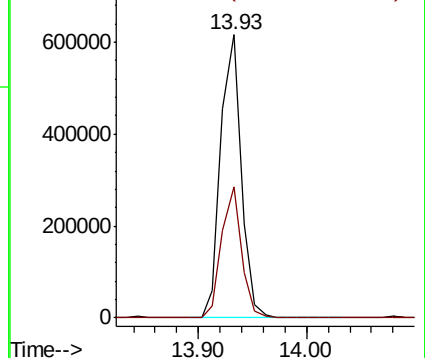
105 100

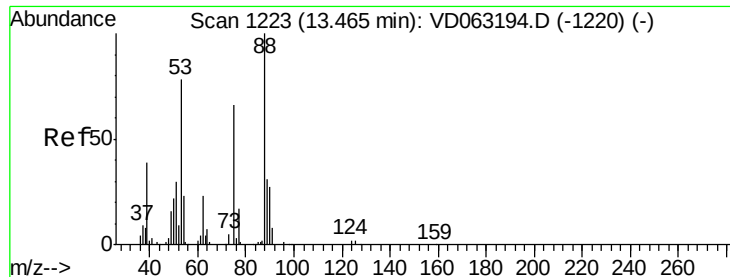
120 46.1 22.1 66.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 19.194 ug/l

RT: 13.47 min Scan# 1223

Delta R.T. 0.01 min

Lab File: VD063270.D

Acq: 31 Jul 2019 11:16

Instrument :

MSVOA_D

ClientSampleId :

VD0731SBS01

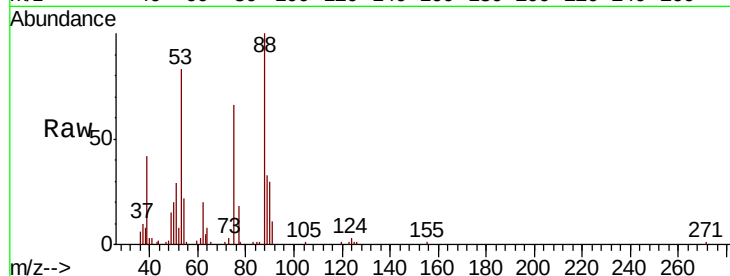
Tot Ion: 75 Resp: 44430

Ion Ratio Lower Upper

75 100

53 125.3 94.9 142.3

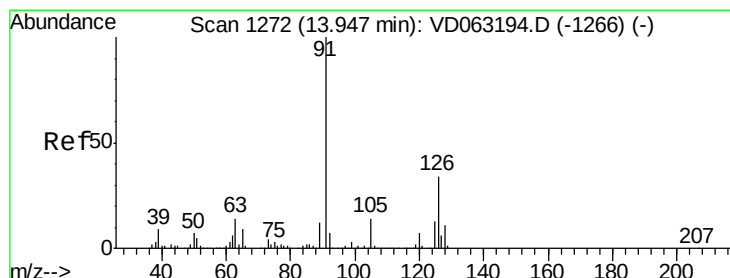
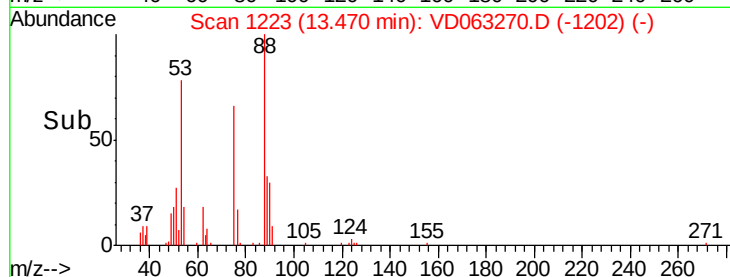
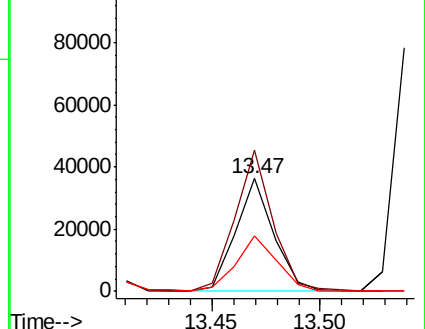
89 49.5 37.4 56.0



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: 21.968 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VD063270.D

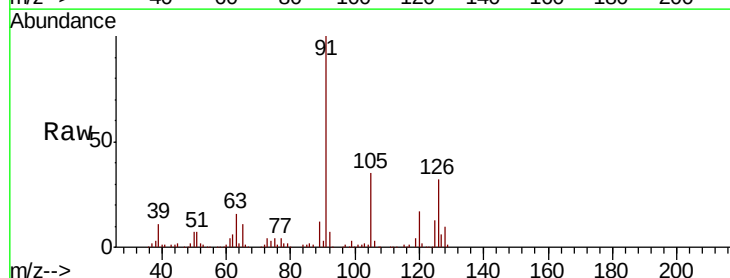
Acq: 31 Jul 2019 11:16

Tgt Ion: 91 Resp: 776517

Ion Ratio Lower Upper

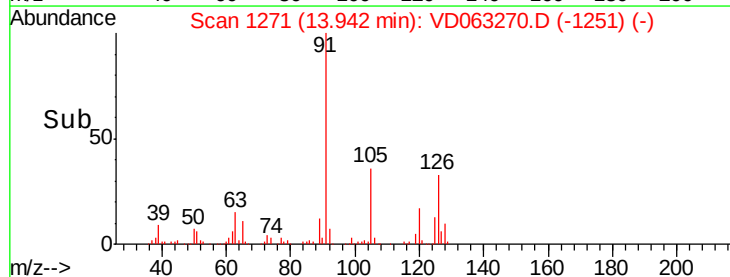
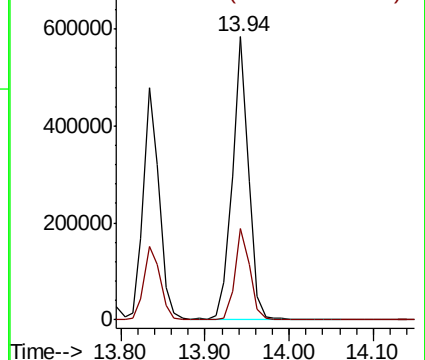
91 100

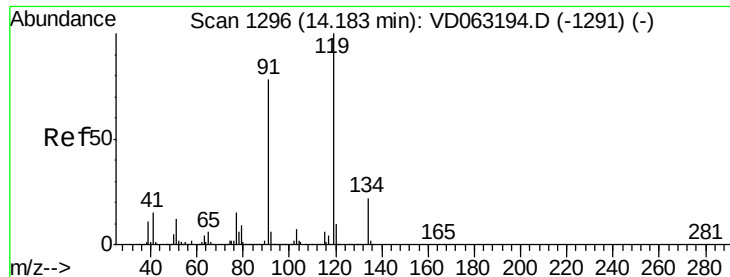
126 32.3 17.1 51.2



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

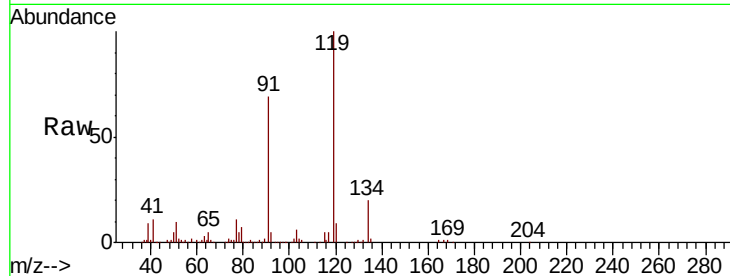




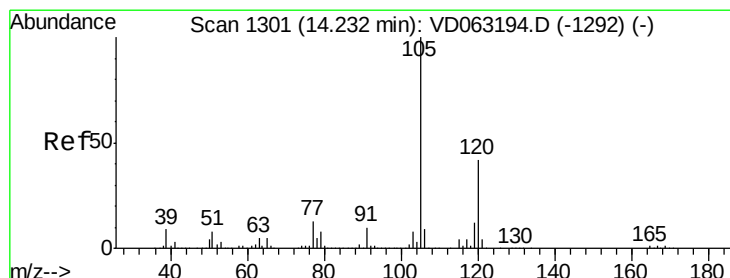
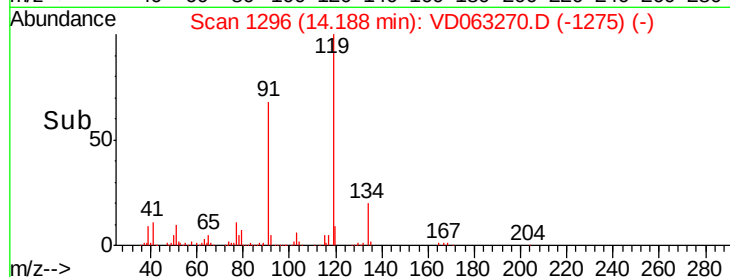
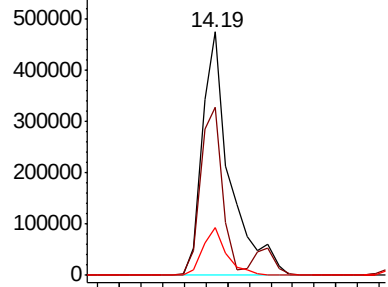
#83
tert-Butylbenzene
Concen: 19.717 ug/l
RT: 14.19 min Scan# 1296
Delta R.T. 0.01 min
Lab File: VD063270.D
Acq: 31 Jul 2019 11:16

Instrument :
MSVOA_D
ClientSampleId :
VD0731SBS01

Tot Ion:119 Resp: 845802
Ion Ratio Lower Upper
119 100
91 69.1 39.1 117.5
134 19.9 10.9 32.6

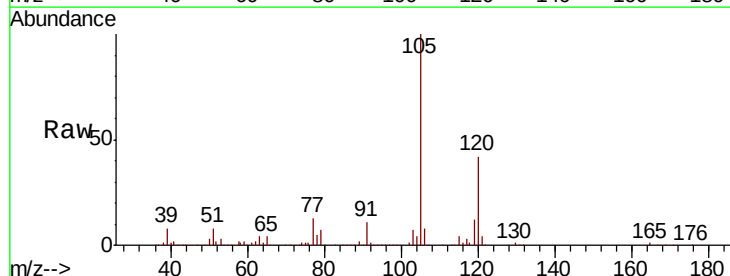


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

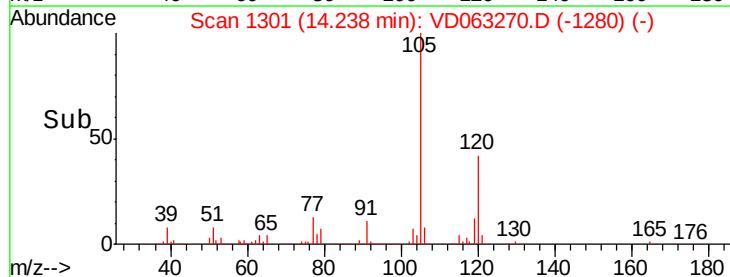
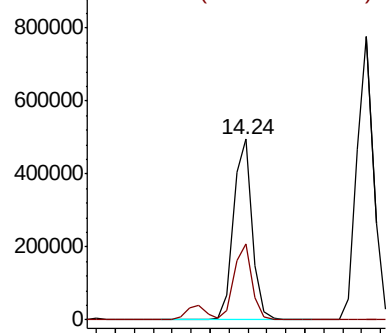


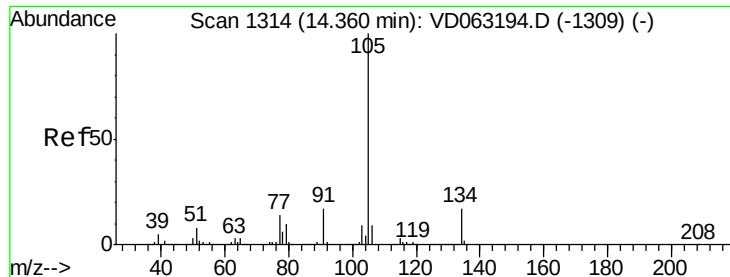
#84
1,2,4-Trimethylbenzene
Concen: 17.625 ug/l
RT: 14.24 min Scan# 1301
Delta R.T. 0.01 min
Lab File: VD063270.D
Acq: 31 Jul 2019 11:16

Tgt Ion:105 Resp: 684892
Ion Ratio Lower Upper
105 100
120 42.0 20.9 62.7



Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 21.008 ug/l

RT: 14.37 min Scan# 1314

Delta R.T. 0.01 min

Lab File: VD063270.D

Acq: 31 Jul 2019 11:16

Instrument :

MSVOA_D

ClientSampleId :

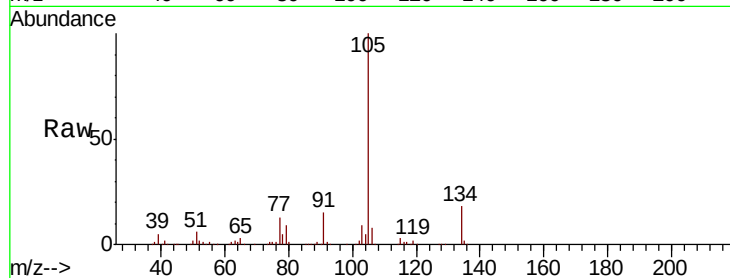
VD0731SBS01

Tot Ion:105 Resp: 949439

Ion Ratio Lower Upper

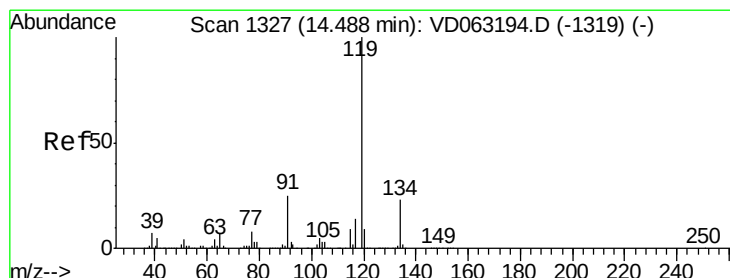
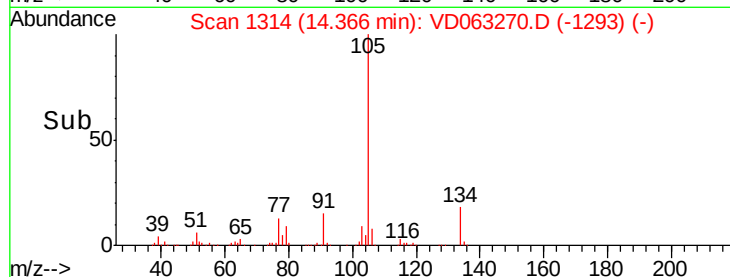
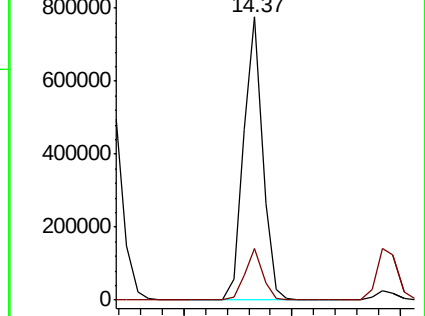
105 100

134 18.1 8.3 24.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 19.941 ug/l

RT: 14.48 min Scan# 1326

Delta R.T. -0.00 min

Lab File: VD063270.D

Acq: 31 Jul 2019 11:16

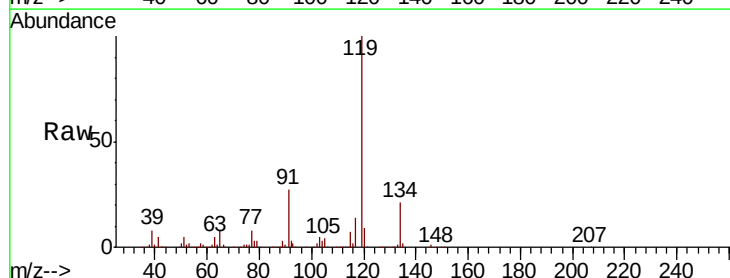
Tgt Ion:119 Resp: 860164

Ion Ratio Lower Upper

119 100

134 21.0 11.5 34.5

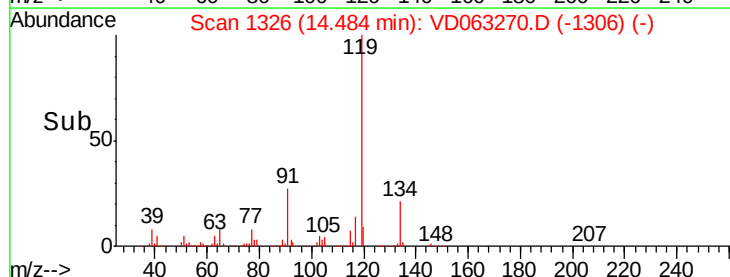
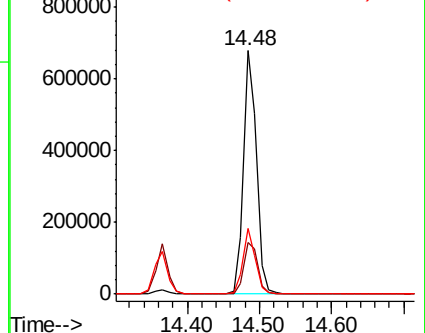
91 27.0 12.6 37.6

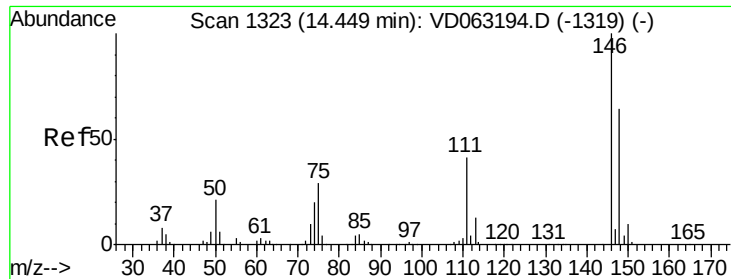


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

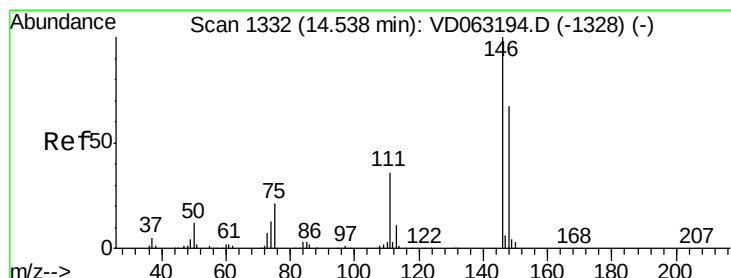
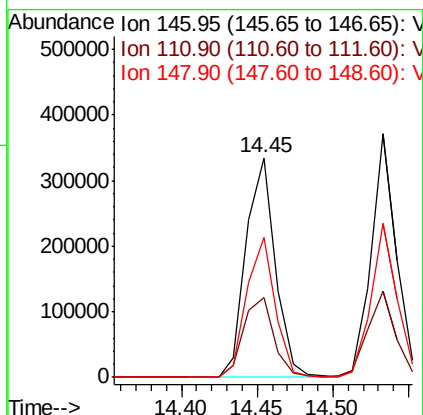
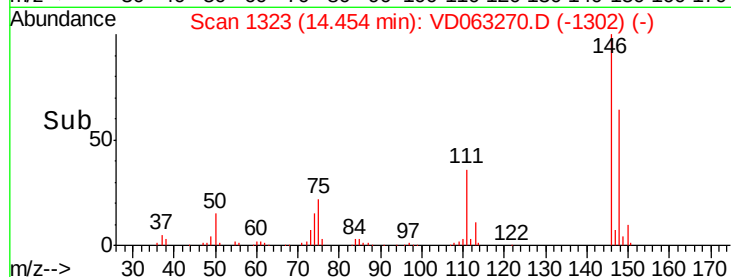
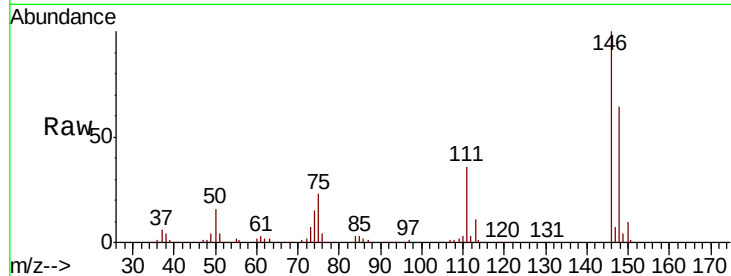




#87
 1,3-Dichlorobenzene
 Concen: 20.603 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. 0.01 min
 Lab File: VD063270.D
 Acq: 31 Jul 2019 11:16

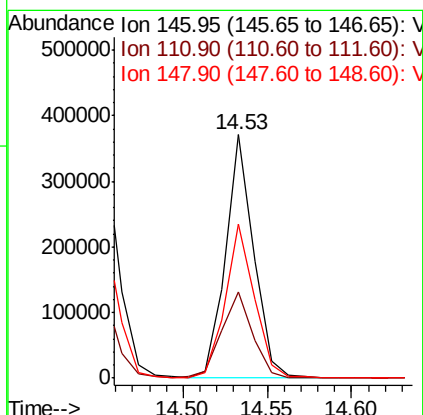
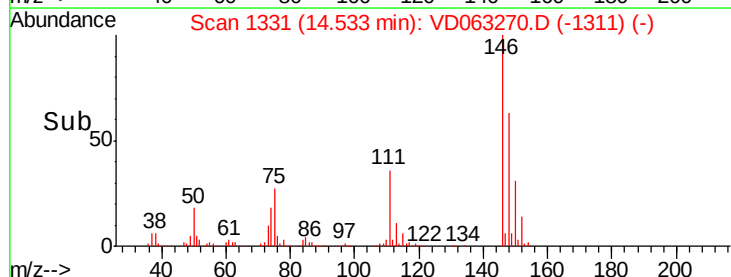
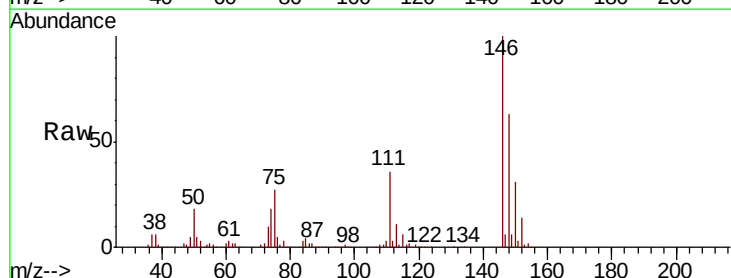
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0731SBS01

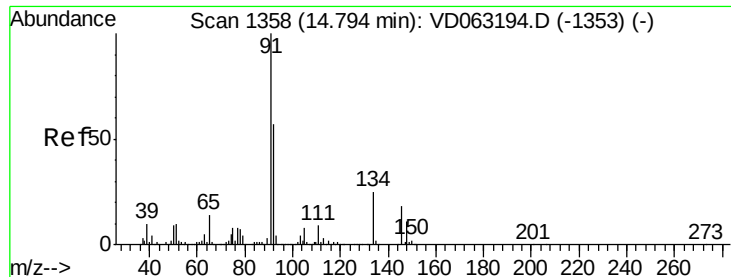
Tot Ion	Ratio	Lower	Upper
146	100		
111	36.4	20.4	61.3
148	64.0	31.8	95.4



#88
 1,4-Dichlorobenzene
 Concen: 19.323 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.00 min
 Lab File: VD063270.D
 Acq: 31 Jul 2019 11:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.5	18.1	54.3
148	63.0	33.4	100.1





#89

n-Butylbenzene

Concen: 21.794 ug/l

RT: 14.80 min Scan# 1358

Delta R.T. 0.01 min

Lab File: VD063270.D

Acq: 31 Jul 2019 11:16

Instrument :

MSVOA_D

ClientSampleId :

VD0731SBS01

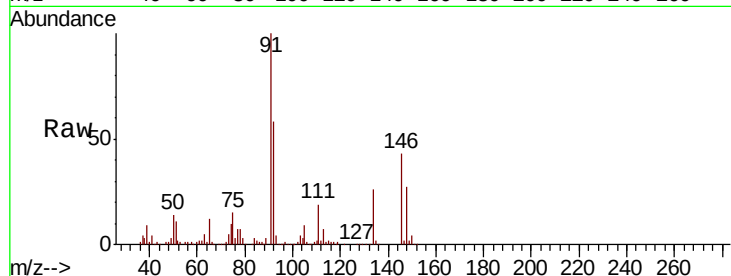
Tot Ion: 91 Resp: 811981

Ion Ratio Lower Upper

91 100

92 58.1 28.3 85.0

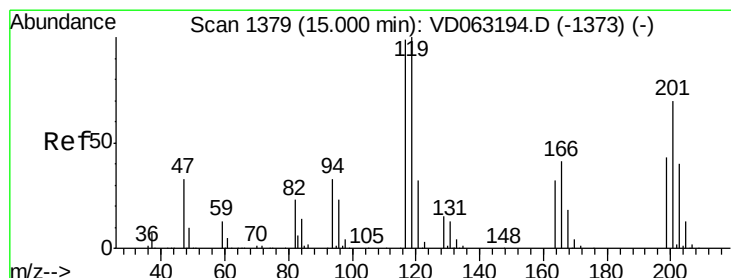
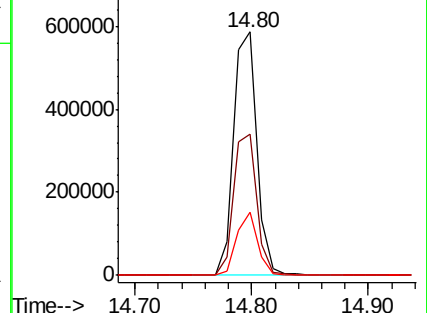
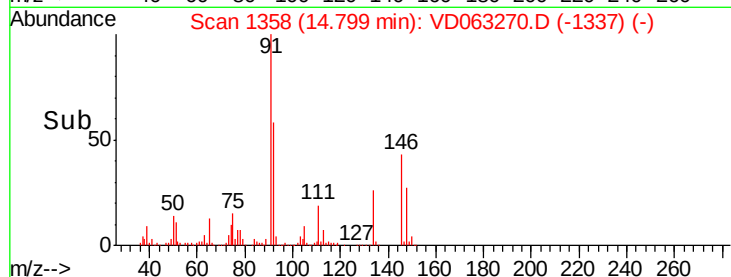
134 26.1 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 19.820 ug/l

RT: 15.01 min Scan# 1379

Delta R.T. 0.01 min

Lab File: VD063270.D

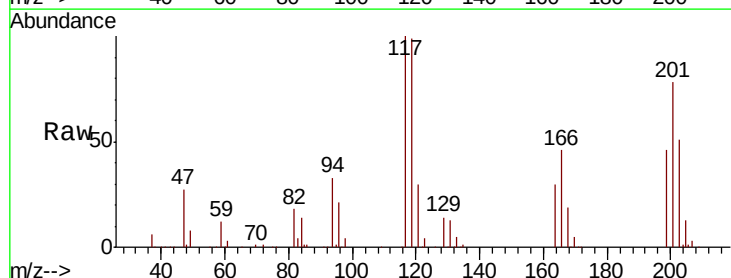
Acq: 31 Jul 2019 11:16

Tgt Ion: 117 Resp: 222752

Ion Ratio Lower Upper

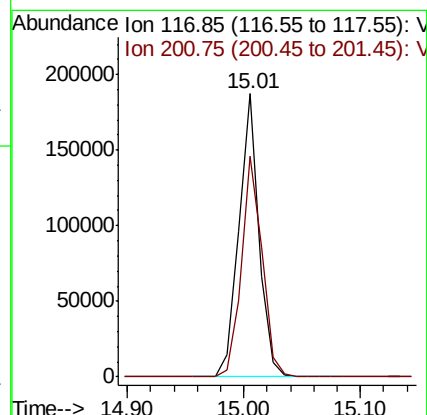
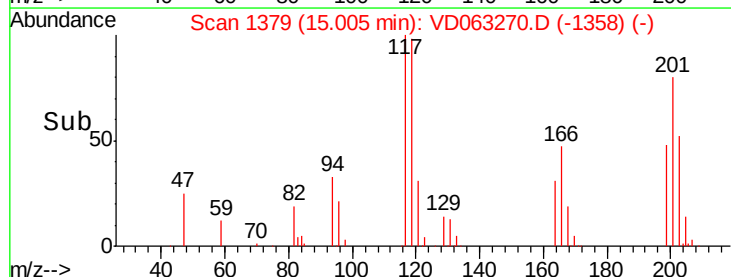
117 100

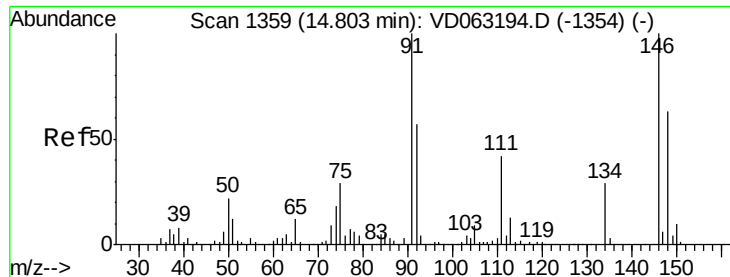
201 77.9 35.2 105.6



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

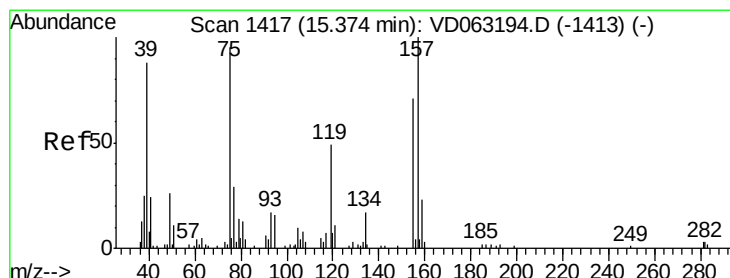
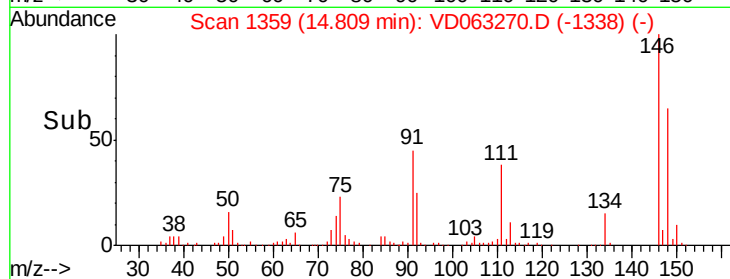
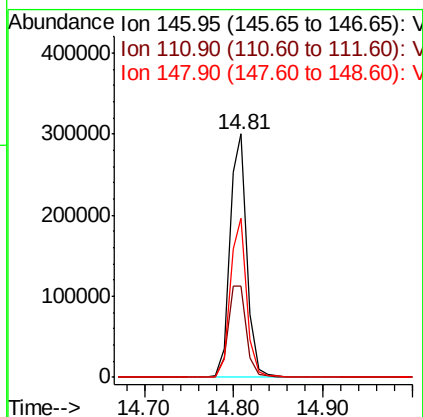
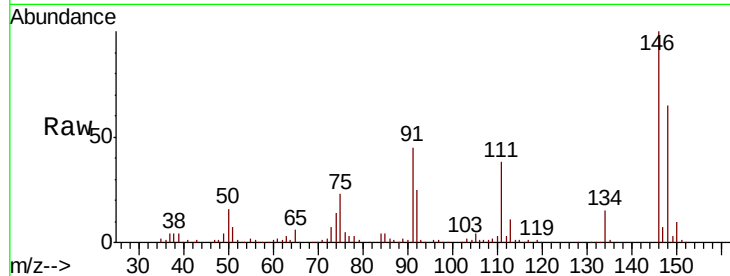




#91
 1,2-Dichlorobenzene
 Concen: 21.240 ug/l
 RT: 14.81 min Scan# 1359
 Delta R.T. 0.01 min
 Lab File: VD063270.D
 Acq: 31 Jul 2019 11:16

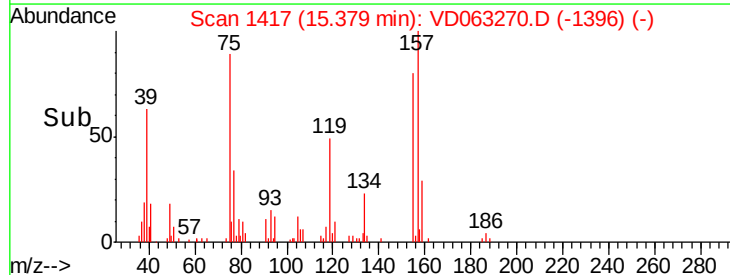
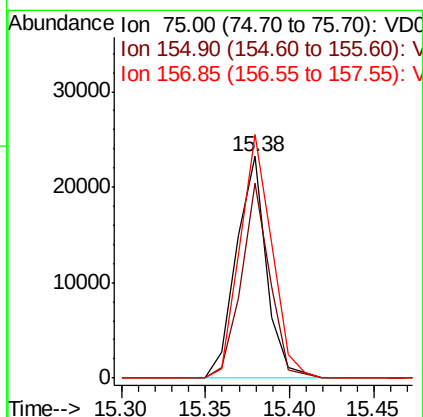
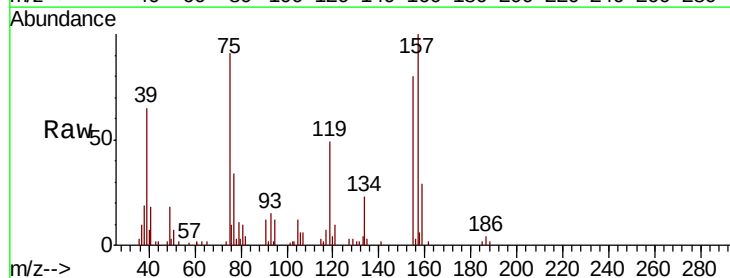
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0731SBS01

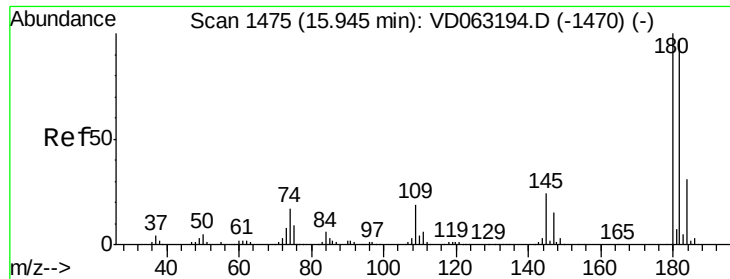
Tot Ion:146 Resp: 406661
 Ion Ratio Lower Upper
 146 100
 111 37.7 21.1 63.3
 148 65.3 31.6 94.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.187 ug/l
 RT: 15.38 min Scan# 1417
 Delta R.T. 0.01 min
 Lab File: VD063270.D
 Acq: 31 Jul 2019 11:16

Tgt Ion: 75 Resp: 28917
 Ion Ratio Lower Upper
 75 100
 155 87.9 37.0 111.0
 157 109.9 52.4 157.2

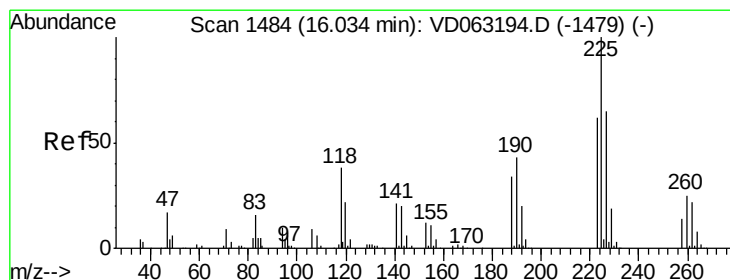
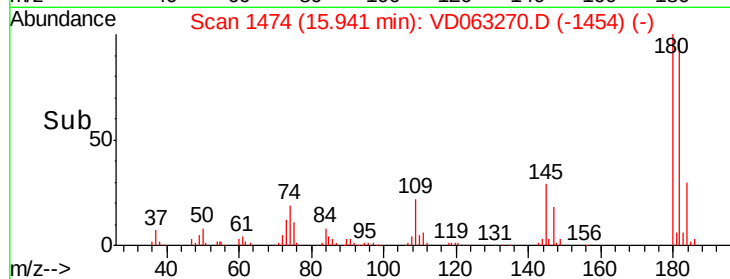
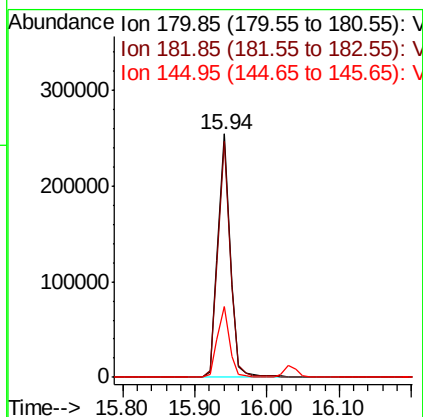
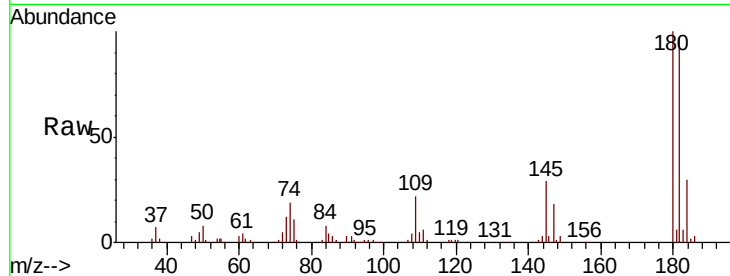




#93
 1,2,4-Trichlorobenzene
 Concen: 19.752 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.00 min
 Lab File: VD063270.D
 Acq: 31 Jul 2019 11:16

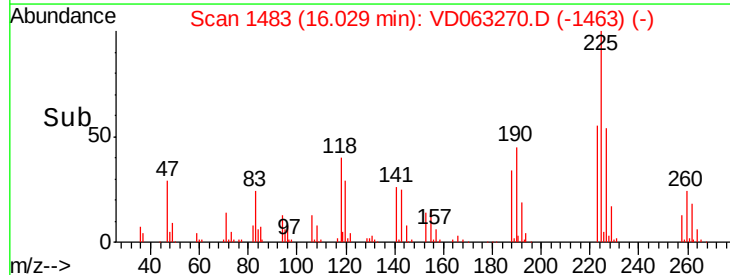
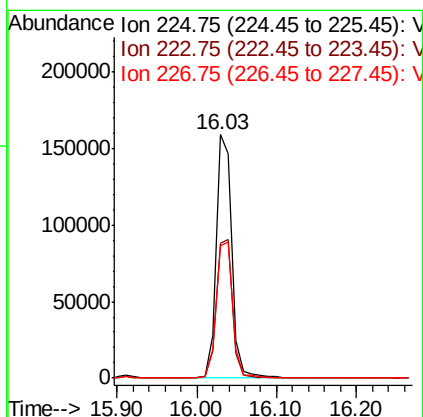
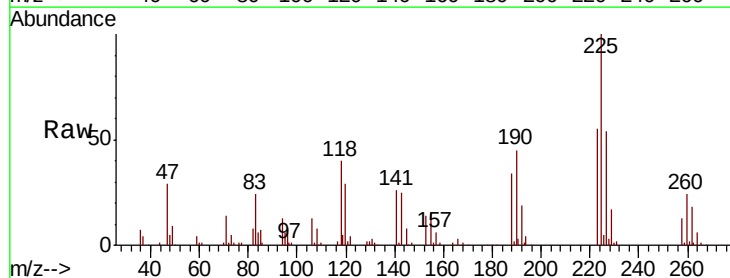
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0731SBS01

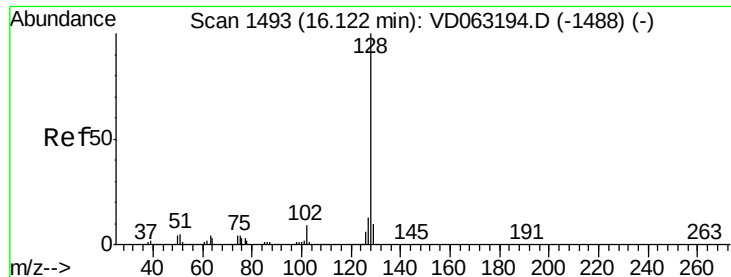
Tot Ion:180 Resp: 300007
 Ion Ratio Lower Upper
 180 100
 182 96.7 48.6 145.8
 145 28.8 12.2 36.6



#94
 Hexachlorobutadiene
 Concen: 20.085 ug/l
 RT: 16.03 min Scan# 1483
 Delta R.T. -0.00 min
 Lab File: VD063270.D
 Acq: 31 Jul 2019 11:16

Tgt Ion:225 Resp: 221075
 Ion Ratio Lower Upper
 225 100
 223 55.4 30.9 92.5
 227 54.4 32.6 97.7

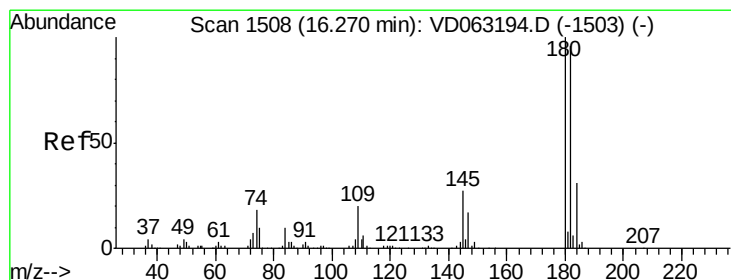
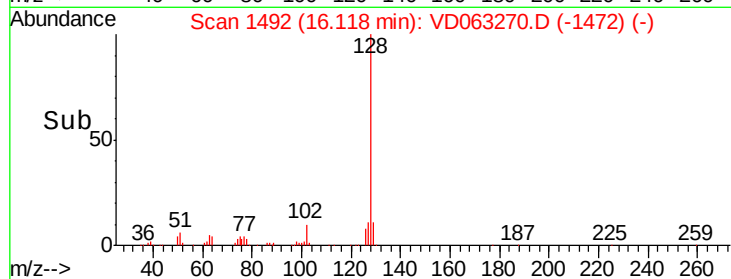
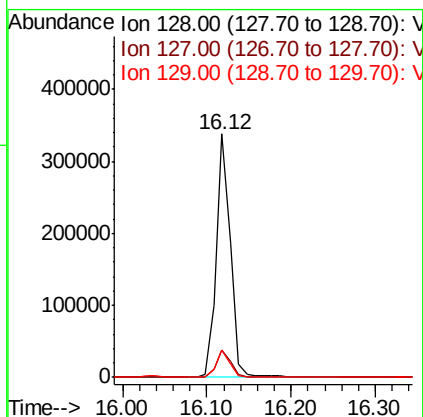
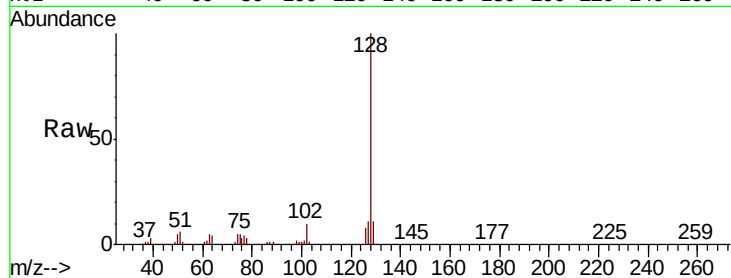




#95
Naphthalene
Concen: 18.292 ug/l
RT: 16.12 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VD063270.D
Acq: 31 Jul 2019 11:16

Instrument :
MSVOA_D
ClientSampleId :
VD0731SBS01

Tot Ion:128 Resp: 392675
Ion Ratio Lower Upper
128 100
127 11.1 10.2 15.4
129 11.2 7.8 11.8



#96
1,2,3-Trichlorobenzene
Concen: 19.481 ug/l
RT: 16.27 min Scan# 1507
Delta R.T. -0.00 min
Lab File: VD063270.D
Acq: 31 Jul 2019 11:16

Tgt Ion:180 Resp: 233752
Ion Ratio Lower Upper
180 100
182 94.2 48.3 144.9
145 26.8 13.6 40.7

