

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080719\
 Data File : VD063418.D
 Acq On : 7 Aug 2019 12:20
 Operator : JC/SY
 Sample : VD0807SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0807SBS01

Quant Time: Aug 08 08:05:27 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	7.06	168	967195	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.23	114	1329931	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	1078225	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	627005	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.46	65	601751	56.07	ug/l	0.02
Spiked Amount	50.000		Recovery	=	112.14%	
35) Dibromofluoromethane	6.94	113	630271	55.51	ug/l	0.03
Spiked Amount	50.000		Recovery	=	111.02%	
50) Toluene-d8	10.41	98	1342063	52.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.62%	
62) 4-Bromofluorobenzene	13.56	95	596484	51.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	257257	21.760	ug/l	96
3) Chloromethane	1.75	50	195079	21.238	ug/l #	86
4) Vinyl Chloride	1.85	62	205559	21.617	ug/l	91
5) Bromomethane	2.15	94	86442	18.024	ug/l	97
6) Chloroethane	2.25	64	83782	19.084	ug/l	99
7) Trichlorofluoromethane	2.53	101	394209	21.369	ug/l	92
8) Diethyl Ether	2.87	74	54363	21.056	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.15	101	218897	21.421	ug/l	93
10) Methyl Iodide	3.30	142	275984	18.695	ug/l	98
11) Tert butyl alcohol	4.09	59	47712	101.306	ug/l	98
12) 1,1-Dichloroethene	3.13	96	175693	23.420	ug/l	82
13) Acrolein	3.04	56	31492	69.478	ug/l	93
14) Allyl chloride	3.62	41	253447	21.207	ug/l	89
15) Acrylonitrile	4.21	53	126655	103.728	ug/l	93
16) Acetone	3.23	43	218537	104.513	ug/l	94
17) Carbon Disulfide	3.37	76	497627	19.818	ug/l	96
18) Methyl Acetate	3.65	43	91467	22.773	ug/l	98
19) Methyl tert-butyl Ether	4.25	73	355431	20.975	ug/l	94
20) Methylene Chloride	3.82	84	170498	20.172	ug/l	93
21) trans-1,2-Dichloroethene	4.22	96	178003	21.147	ug/l	95
22) Diisopropyl ether	5.13	45	503705	21.096	ug/l	97
23) Vinyl Acetate	5.07	43	1520844	103.621	ug/l	100
24) 1,1-Dichloroethane	4.99	63	338482	22.194	ug/l	94
25) 2-Butanone	6.08	43	228088	108.691	ug/l	97
26) 2,2-Dichloropropane	6.03	77	344349	21.909	ug/l	97
27) cis-1,2-Dichloroethene	6.04	96	194325	21.532	ug/l	99
28) Bromochloromethane	6.45	49	134966	22.211	ug/l #	100
29) Tetrahydrofuran	6.46	42	107948	108.651	ug/l	98
30) Chloroform	6.67	83	394933	20.866	ug/l	96
31) Cyclohexane	6.96	56	190174	19.894	ug/l #	83
32) 1,1,1-Trichloroethane	6.88	97	404406	22.090	ug/l	97
36) 1,1-Dichloropropene	7.15	75	268142	22.092	ug/l	94
37) Ethyl Acetate	6.19	43	118899	21.805	ug/l #	94
38) Carbon Tetrachloride	7.11	117	390324	21.362	ug/l	96

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

39) Methylcyclohexane	8.88	83	201452	19.921	ug/l	90
40) Benzene	7.46	78	561325	22.067	ug/l	100
41) Methacrylonitrile	6.46	41	138132	21.177	ug/l #	80
42) 1,2-Dichloroethane	7.59	62	277031	20.549	ug/l	97
43) Isopropyl Acetate	9.25	43	143788	20.643	ug/l #	95
44) Trichloroethene	8.54	130	219514	21.296	ug/l	93
45) 1,2-Dichloropropane	8.95	63	135455	20.950	ug/l	97
46) Dibromomethane	9.07	93	117447	21.846	ug/l	87
47) Bromodichloromethane	9.39	83	294664	21.502	ug/l	100
48) Methyl methacrylate	9.13	41	101266	22.416	ug/l	87
49) 1,4-Dioxane	9.08	88	17417	452.878	ug/l #	75
51) 4-Methyl-2-Pentanone	10.31	43	527001	111.251	ug/l	100
52) Toluene	10.52	92	344882	20.385	ug/l	99
53) t-1,3-Dichloropropene	10.92	75	250834	21.231	ug/l	91
54) cis-1,3-Dichloropropene	10.05	75	265187	21.357	ug/l	97
55) 1,1,2-Trichloroethane	11.20	97	126112	22.071	ug/l	96
56) Ethyl methacrylate	11.05	69	136772	21.859	ug/l	94
57) 1,3-Dichloropropane	11.42	76	186433	20.708	ug/l #	86
58) 2-Chloroethyl Vinyl ether	9.86	63	339787	104.365	ug/l	99
59) 2-Hexanone	11.53	43	392375	114.941	ug/l	95
60) Dibromochloromethane	11.69	129	230690	21.386	ug/l	98
61) 1,2-Dibromoethane	11.81	107	144019	20.426	ug/l	92
64) Tetrachloroethene	11.27	164	196926	22.926	ug/l	93
65) Chlorobenzene	12.40	112	442829	21.352	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.52	131	204841	22.423	ug/l	99
67) Ethyl Benzene	12.53	91	821232	23.310	ug/l	98
68) m/p-Xylenes	12.67	106	558787	43.249	ug/l	92
69) o-Xylene	13.05	106	253562	21.371	ug/l	96
70) Styrene	13.08	104	451111	21.439	ug/l	99
71) Bromoform	13.24	173	150555	22.662	ug/l #	98
73) Isopropylbenzene	13.41	105	818290	20.794	ug/l	99
74) N-amyl acetate	13.27	43	216190	20.781	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.70	83	149117	22.307	ug/l	94
76) 1,2,3-Trichloropropane	13.74	75	154386	20.500	ug/l	98
77) Bromobenzene	13.67	156	231694	20.668	ug/l	92
78) n-propylbenzene	13.78	91	1000116	21.356	ug/l	98
79) 2-Chlorotoluene	13.85	91	542319	19.986	ug/l	100
80) 1,3,5-Trimethylbenzene	13.94	105	725536	21.376	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.47	75	41916	20.044	ug/l	94
82) 4-Chlorotoluene	13.95	91	681366	21.336	ug/l	90
83) tert-Butylbenzene	14.19	119	812984	20.978	ug/l	96
84) 1,2,4-Trimethylbenzene	14.24	105	695073	19.799	ug/l	100
85) sec-Butylbenzene	14.37	105	846918	20.742	ug/l	100
86) p-Isopropyltoluene	14.50	119	809468	20.771	ug/l	97
87) 1,3-Dichlorobenzene	14.46	146	350967	17.678	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	395504	19.701	ug/l	97
89) n-Butylbenzene	14.80	91	691090	20.532	ug/l	99
90) Hexachloroethane	15.01	117	204024	20.094	ug/l	98
91) 1,2-Dichlorobenzene	14.81	146	349520	20.207	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	15.38	75	26557	19.504	ug/l	91

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

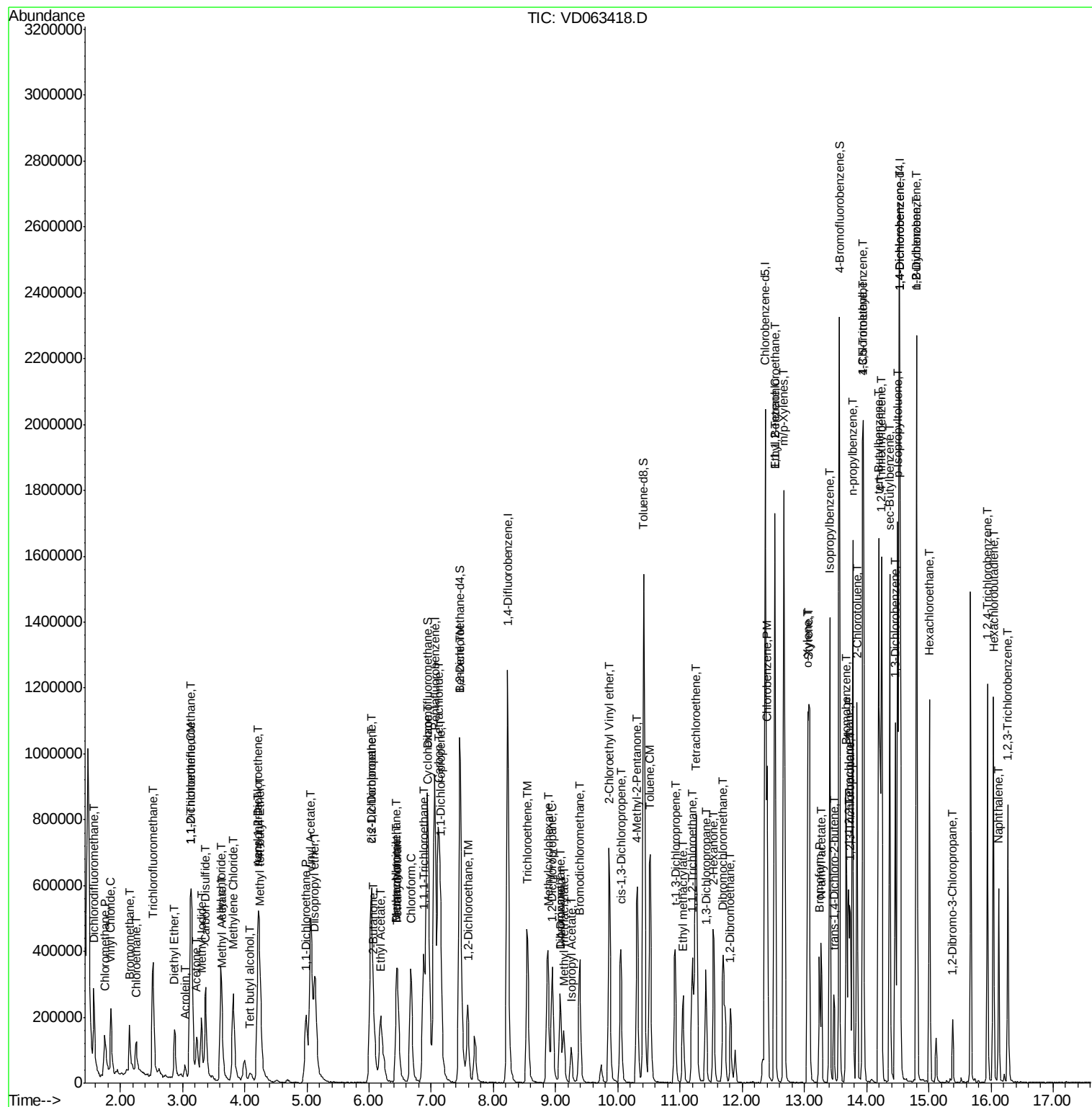
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	283476	20.658	ug/l	97
94) Hexachlorobutadiene	16.04	225	207532	20.870	ug/l	96
95) Naphthalene	16.13	128	395093	20.371	ug/l	97
96) 1,2,3-Trichlorobenzene	16.27	180	214437	19.781	ug/l	94

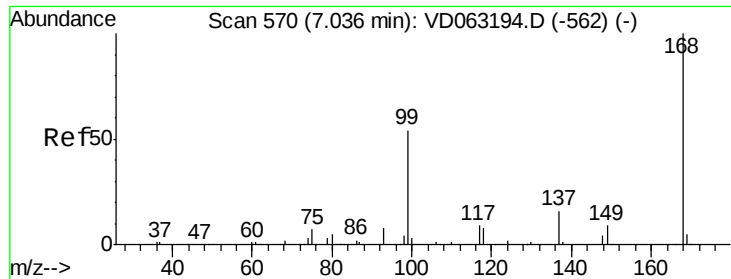
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.02 min

Lab File: VD063418.D

Acq: 7 Aug 2019 12:20

Instrument :

MSVOA_D

ClientSampleId :

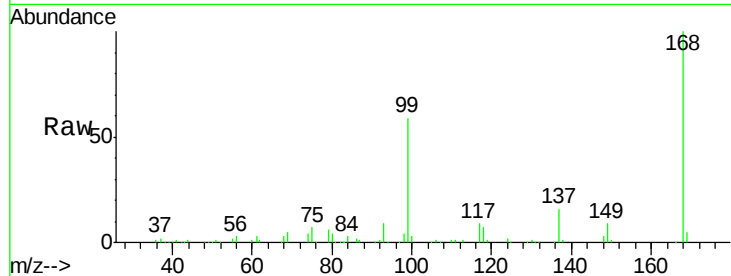
VD0807SBSD01

Tot Ion:168 Resp: 967195

Ion Ratio Lower Upper

168 100

99 59.3 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

300000

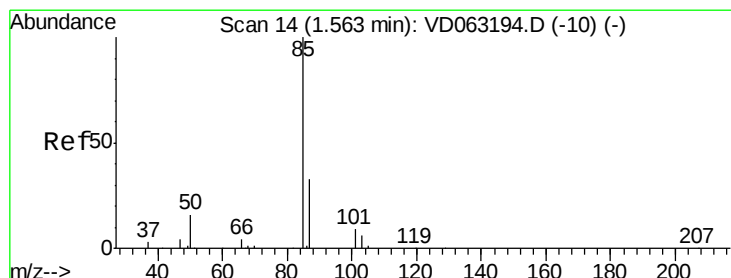
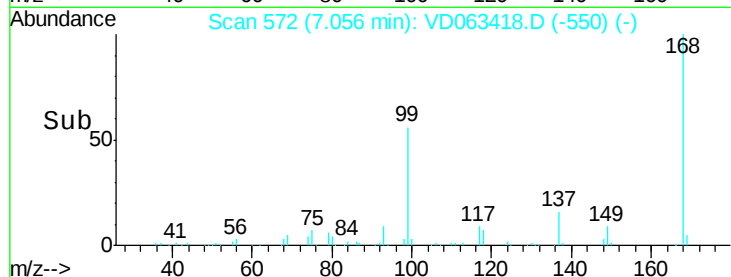
200000

100000

0

Time-->

6.90 7.00 7.10 7.20



#2

Dichlorodifluoromethane

Concen: 21.760 ug/l

RT: 1.57 min Scan# 15

Delta R.T. 0.01 min

Lab File: VD063418.D

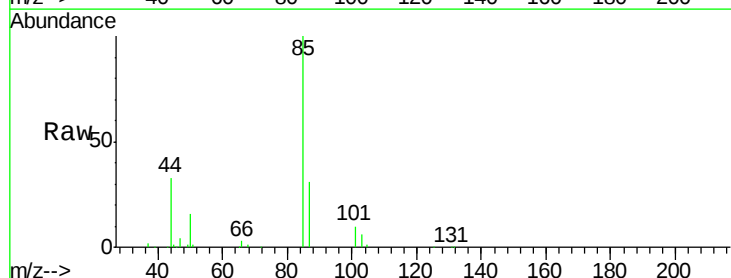
Acq: 7 Aug 2019 12:20

Tgt Ion: 85 Resp: 257257

Ion Ratio Lower Upper

85 100

87 30.9 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

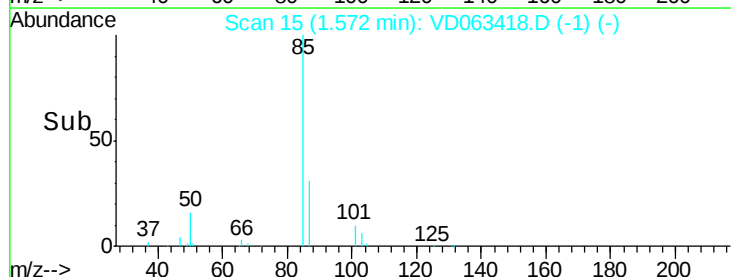
100000

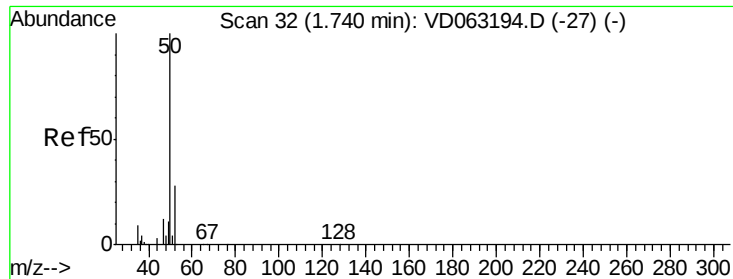
50000

0

Time-->

1.50 1.60 1.70 1.80





#3

Chloromethane

Concen: 21.238 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.01 min

Lab File: VD063418.D

Acq: 7 Aug 2019 12:20

Instrument :

MSVOA_D

ClientSampleId :

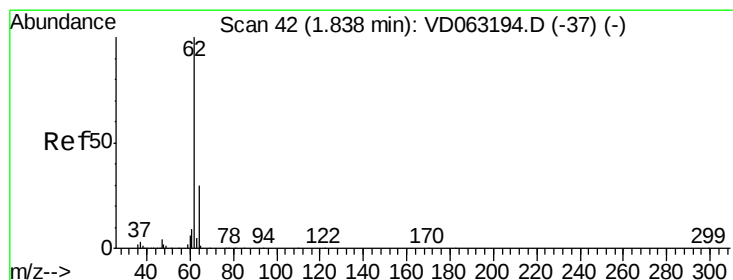
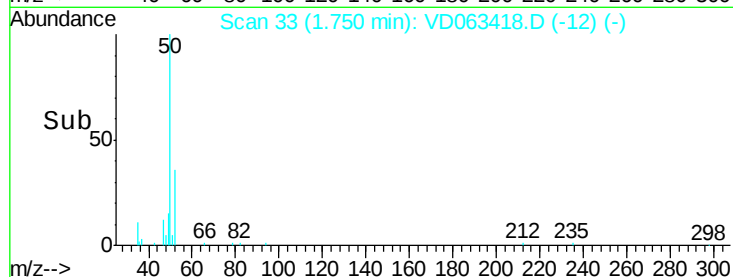
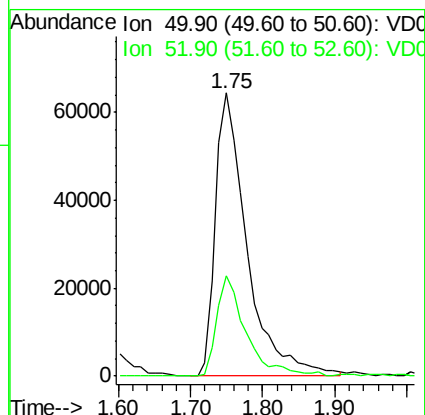
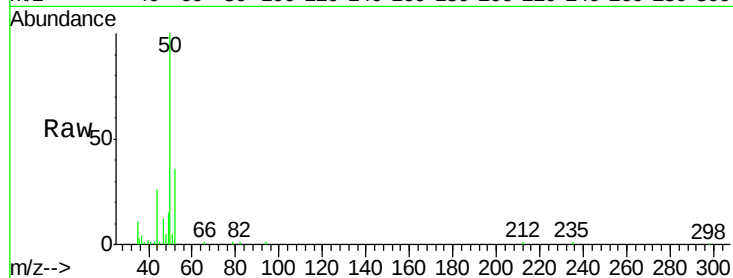
VD0807SBSD01

Tot Ion: 50 Resp: 195079

Ion Ratio Lower Upper

50 100

52 35.5 22.6 34.0#



#4

Vinyl Chloride

Concen: 21.617 ug/l

RT: 1.85 min Scan# 43

Delta R.T. 0.01 min

Lab File: VD063418.D

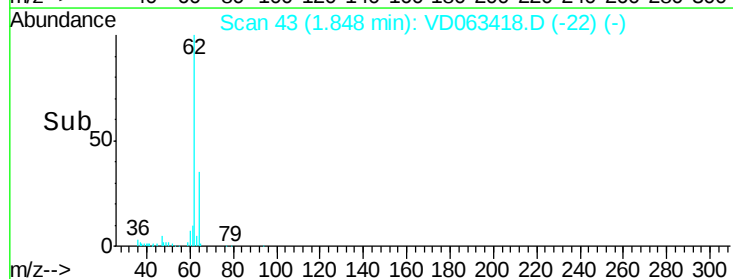
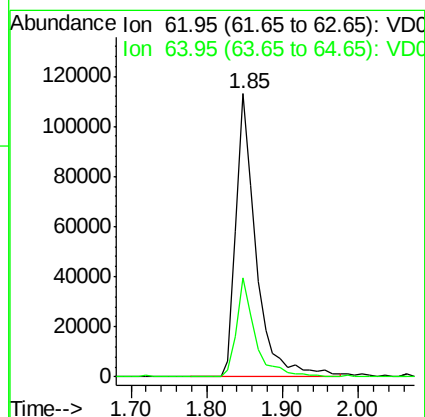
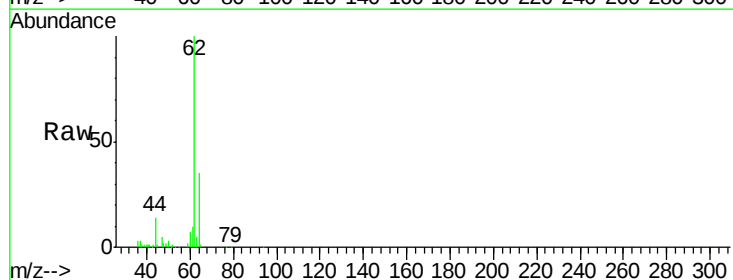
Acq: 7 Aug 2019 12:20

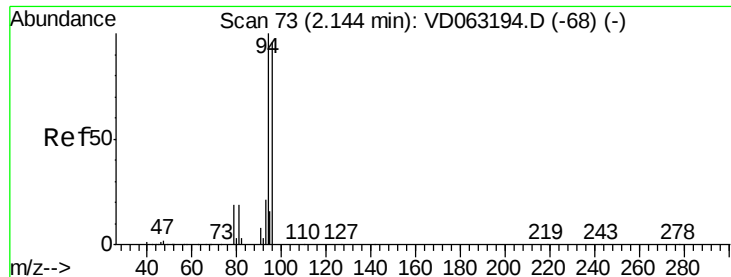
Tgt Ion: 62 Resp: 205559

Ion Ratio Lower Upper

62 100

64 35.0 24.1 36.1





#5

Bromomethane

Concen: 18.024 ug/l

RT: 2.15 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD063418.D

Acq: 7 Aug 2019 12:20

Instrument :

MSVOA_D

ClientSampleId :

VD0807SBSD01

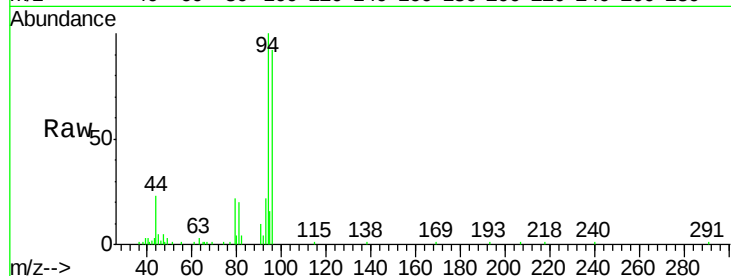
Tot Ion: 94 Resp: 86442

Ion Ratio Lower Upper

94 100

96 92.1 76.4 114.6

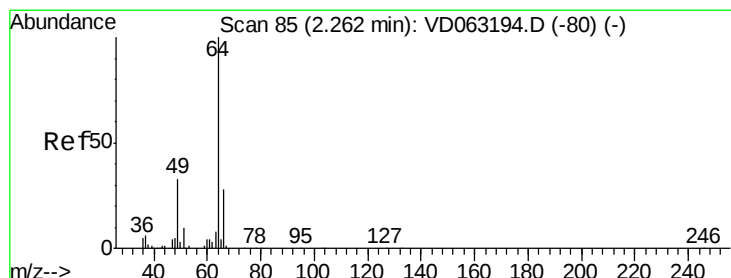
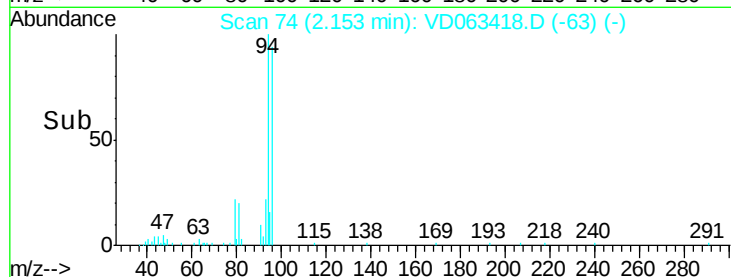
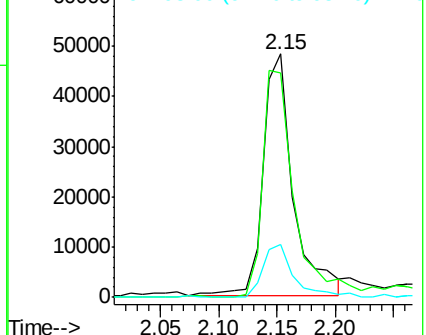
93 22.0 17.3 25.9



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: 19.084 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.01 min

Lab File: VD063418.D

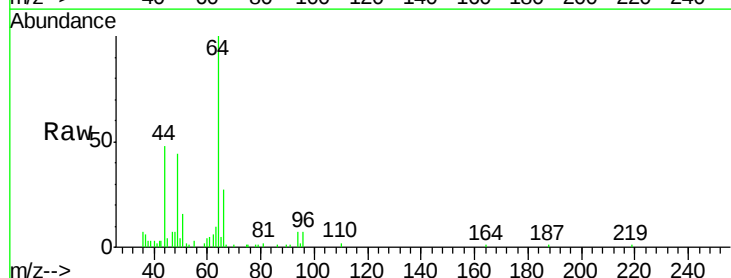
Acq: 7 Aug 2019 12:20

Tgt Ion: 64 Resp: 83782

Ion Ratio Lower Upper

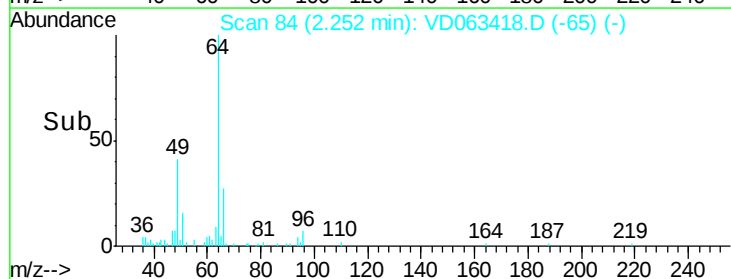
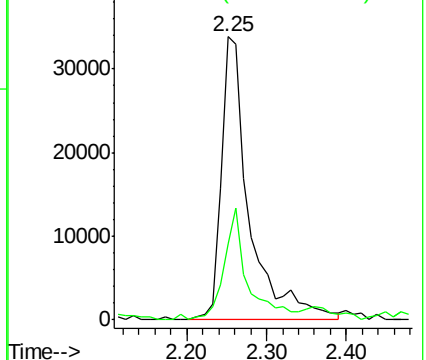
64 100

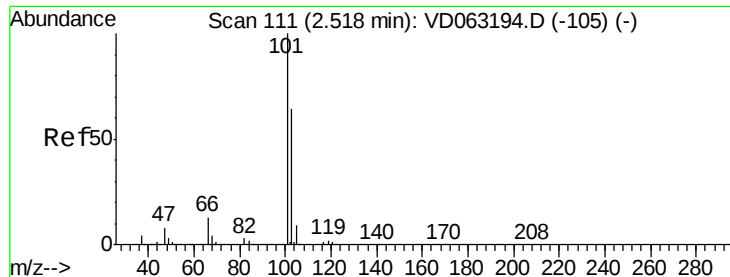
66 27.0 22.2 33.2



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



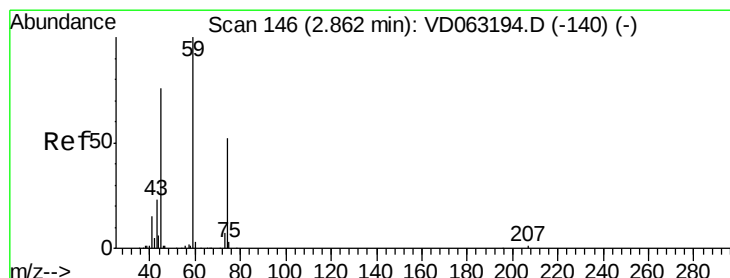
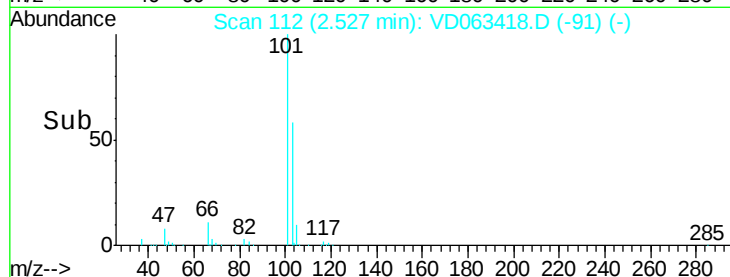
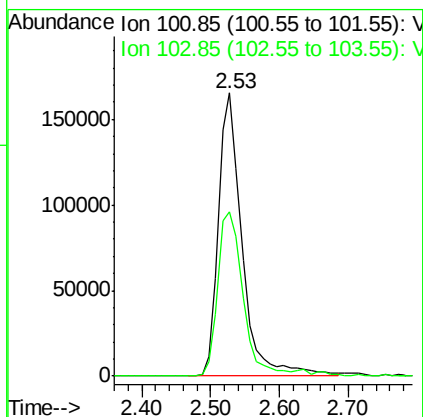
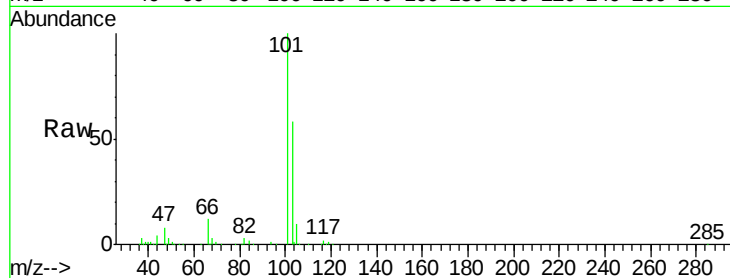


#7

Trichlorofluoromethane
 Concen: 21.369 ug/l
 RT: 2.53 min Scan# 112
 Delta R.T. 0.01 min
 Lab File: VD063418.D
 Acq: 7 Aug 2019 12:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0807SBSD01

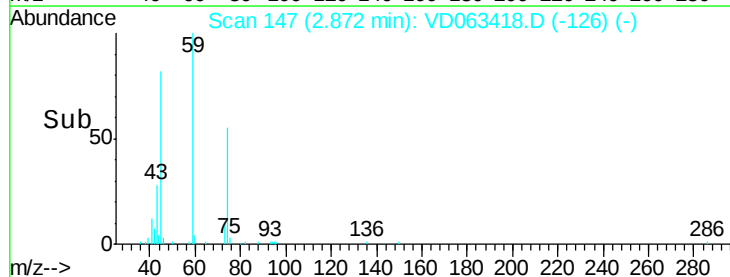
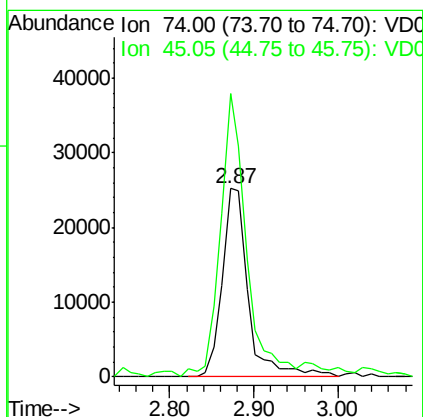
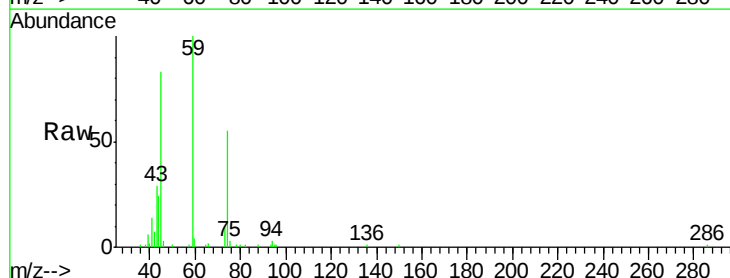
Tot Ion:101 Resp: 394209
 Ion Ratio Lower Upper
 101 100
 103 58.3 51.5 77.3

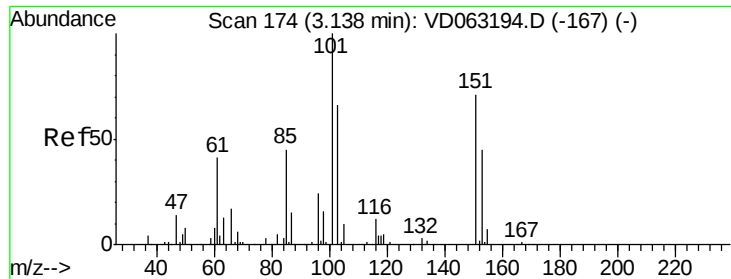


#8

Diethyl Ether
 Concen: 21.056 ug/l
 RT: 2.87 min Scan# 147
 Delta R.T. 0.01 min
 Lab File: VD063418.D
 Acq: 7 Aug 2019 12:20

Tgt Ion: 74 Resp: 54363
 Ion Ratio Lower Upper
 74 100
 45 150.3 73.6 220.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.421 ug/l

RT: 3.15 min Scan# 175

Delta R.T. 0.01 min

Lab File: VD063418.D

Acq: 7 Aug 2019 12:20

Instrument :

MSVOA_D

ClientSampleId :

VD0807SBS01

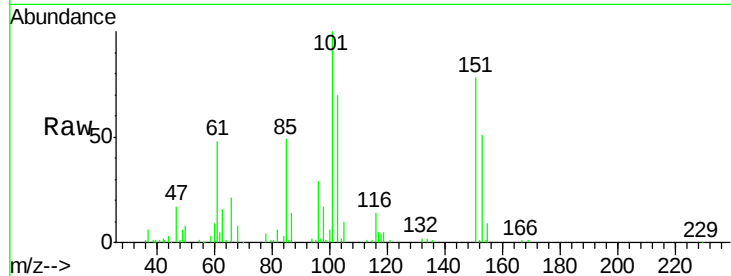
Tot Ion:101 Resp: 218897

Ion Ratio Lower Upper

101 100

85 49.4 36.1 54.1

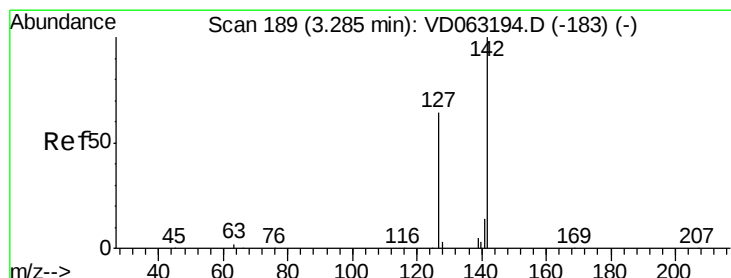
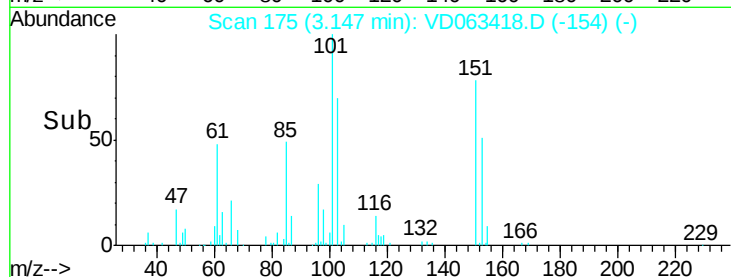
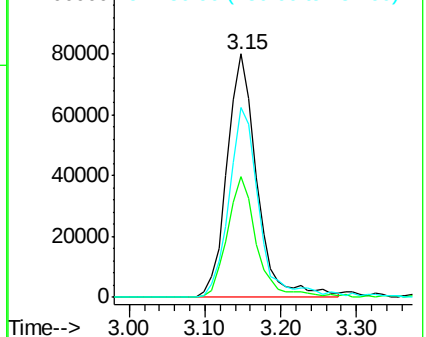
151 77.8 57.1 85.7



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: 18.695 ug/l

RT: 3.30 min Scan# 191

Delta R.T. 0.02 min

Lab File: VD063418.D

Acq: 7 Aug 2019 12:20

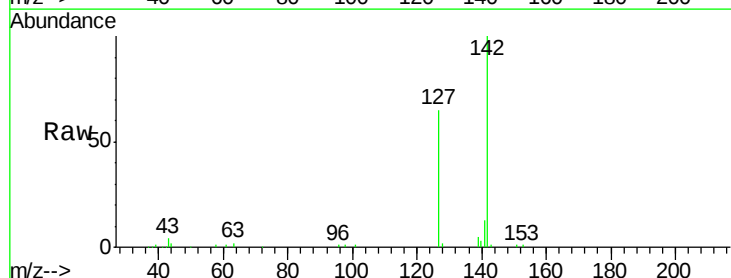
Tgt Ion:142 Resp: 275984

Ion Ratio Lower Upper

142 100

127 65.2 50.8 76.2

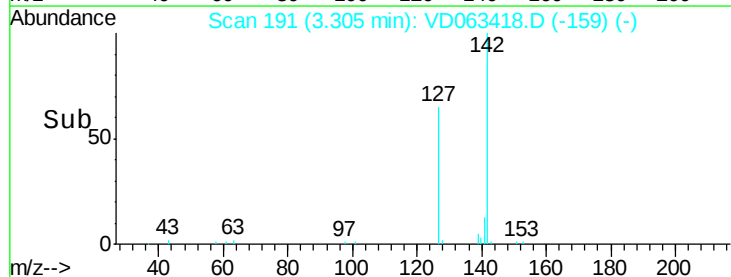
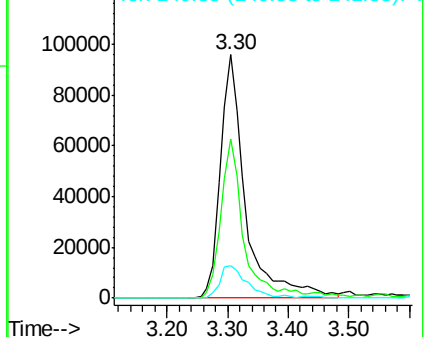
141 13.5 11.4 17.2

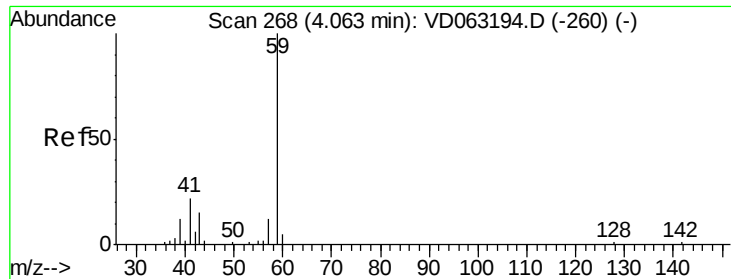


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

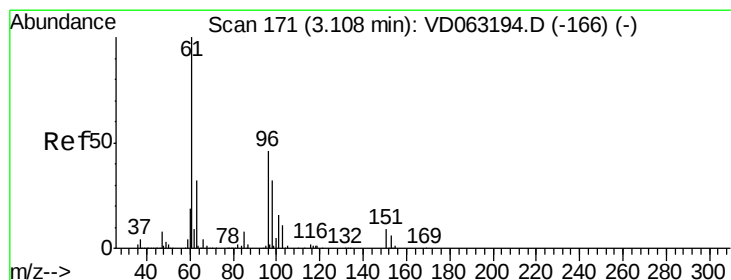
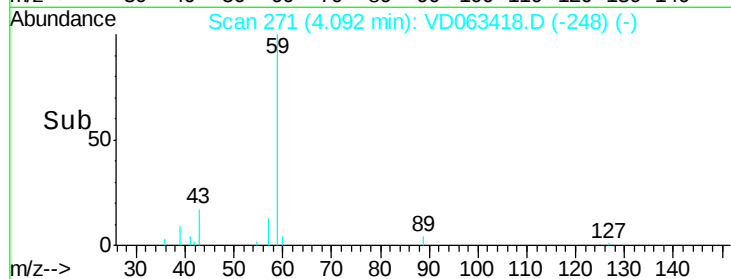
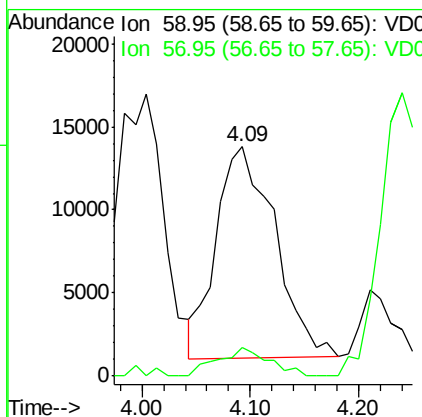
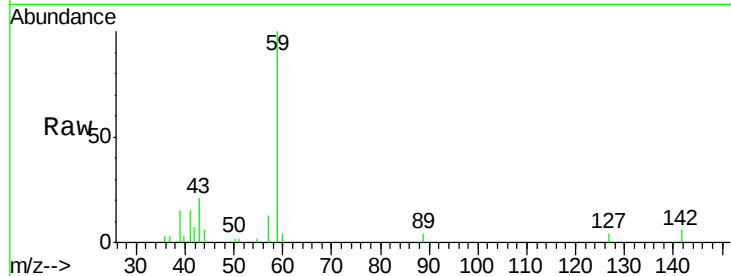




#11
Tert butyl alcohol
Concen: 101.306 ug/l
RT: 4.09 min Scan# 271
Delta R.T. 0.03 min
Lab File: VD063418.D
Acq: 7 Aug 2019 12:20

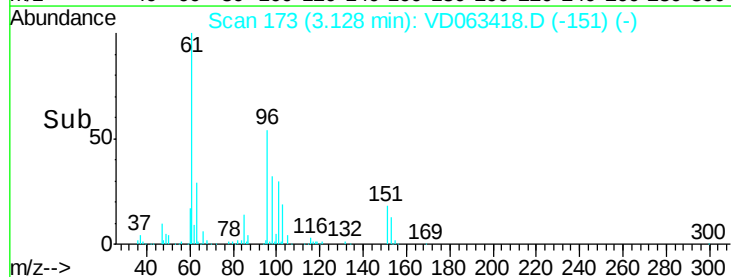
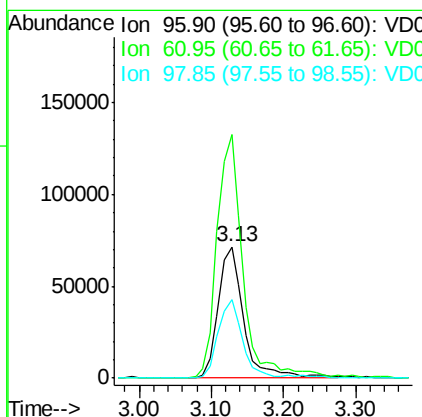
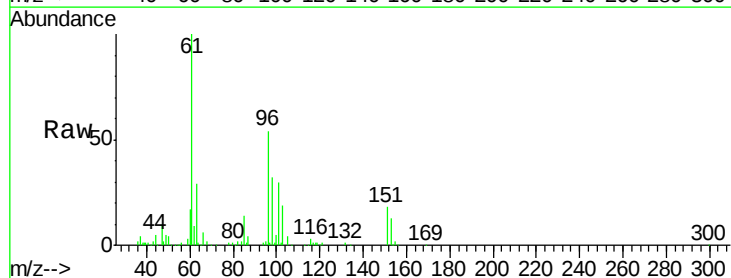
Instrument :
MSVOA_D
ClientSampleId :
VD0807SBSD01

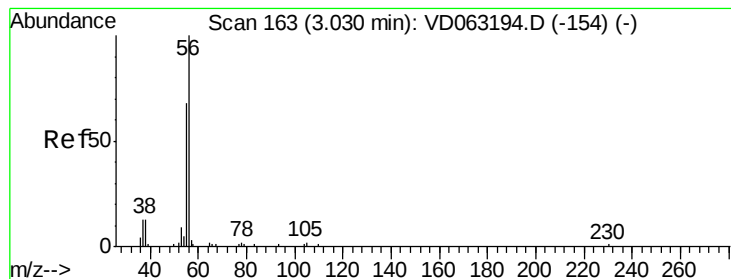
Tot Ion: 59 Resp: 47712
Ion Ratio Lower Upper
59 100
57 12.6 9.6 14.4



#12
1,1-Dichloroethene
Concen: 23.420 ug/l
RT: 3.13 min Scan# 173
Delta R.T. 0.02 min
Lab File: VD063418.D
Acq: 7 Aug 2019 12:20

Tgt Ion: 96 Resp: 175693
Ion Ratio Lower Upper
96 100
61 185.4 173.7 260.5
98 60.2 55.8 83.8





#13

Acrolein

Concen: 69.478 ug/l

RT: 3.04 min Scan# 164

Delta R.T. 0.01 min

Lab File: VD063418.D

Acq: 7 Aug 2019 12:20

Instrument :

MSVOA_D

ClientSampleId :

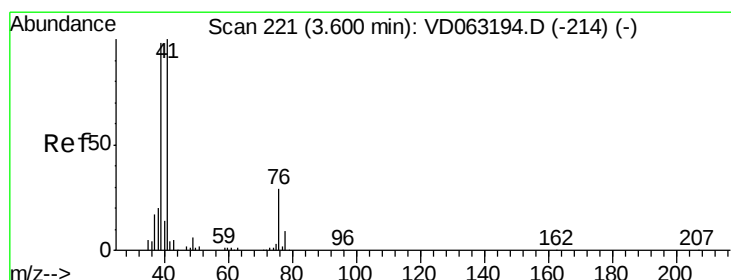
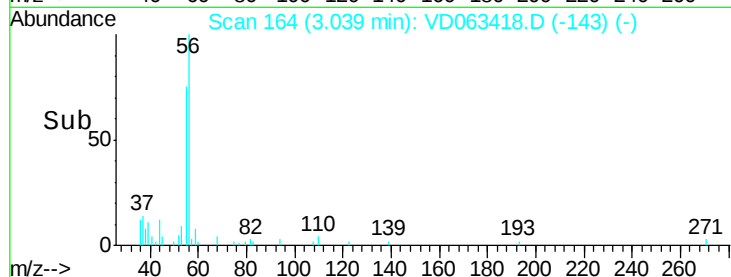
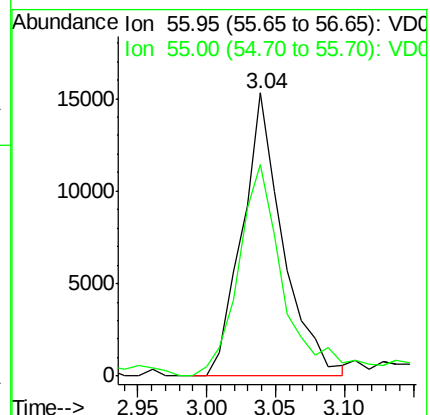
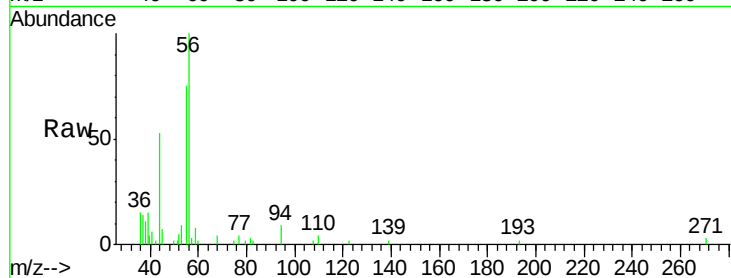
VD0807SBS01

Tot Ion: 56 Resp: 31492

Ion Ratio Lower Upper

56 100

55 74.8 55.3 82.9



#14

Allyl chloride

Concen: 21.207 ug/l

RT: 3.62 min Scan# 223

Delta R.T. 0.02 min

Lab File: VD063418.D

Acq: 7 Aug 2019 12:20

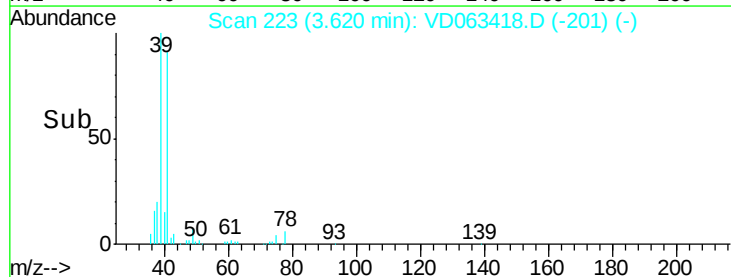
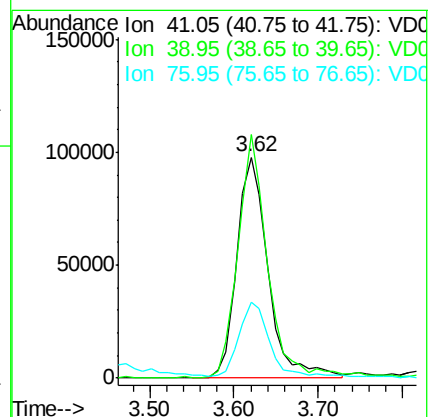
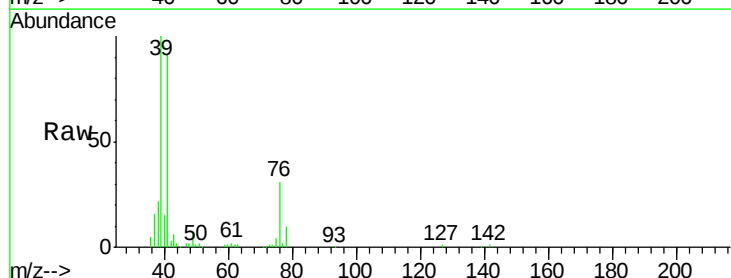
Tgt Ion: 41 Resp: 253447

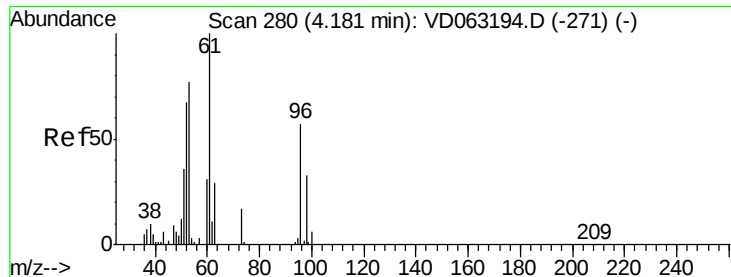
Ion Ratio Lower Upper

41 100

39 110.1 78.6 117.8

76 34.3 24.5 36.7





#15

Acrylonitrile

Concen: 103.728 ug/l

RT: 4.21 min Scan# 283

Delta R.T. 0.03 min

Lab File: VD063418.D

Acq: 7 Aug 2019 12:20

Instrument :

MSVOA_D

ClientSampleId :

VD0807SBS01

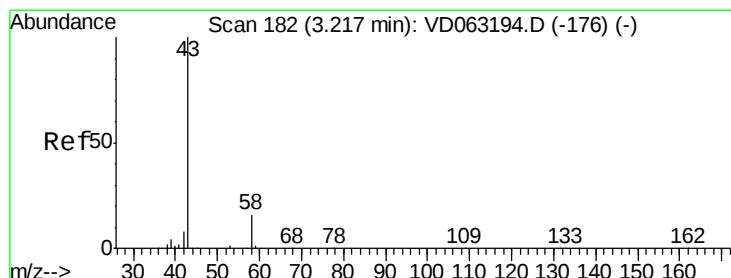
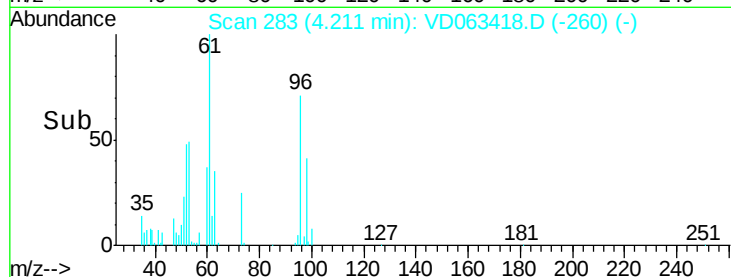
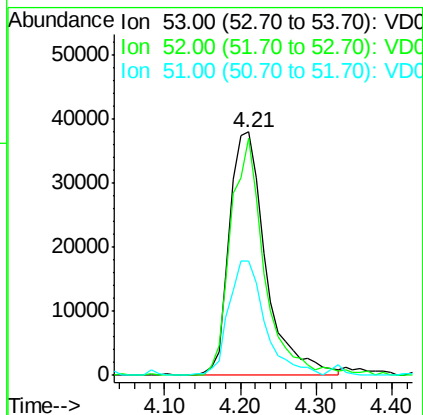
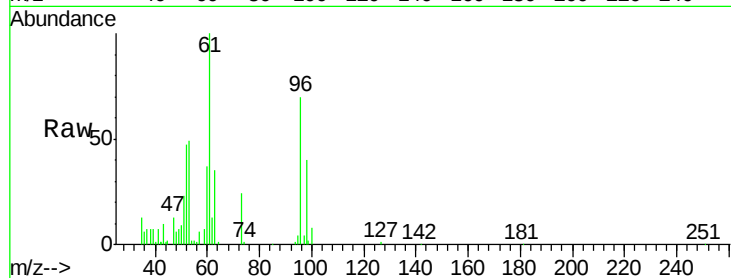
Tot Ion: 53 Resp: 126655

Ion Ratio Lower Upper

53 100

52 97.2 69.7 104.5

51 46.9 37.4 56.0



#16

Acetone

Concen: 104.513 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.01 min

Lab File: VD063418.D

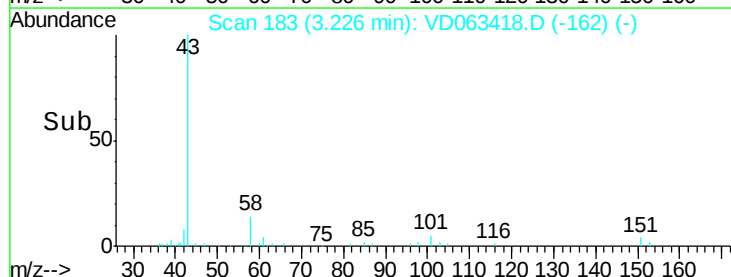
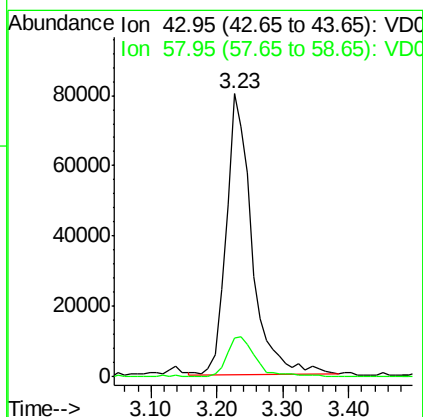
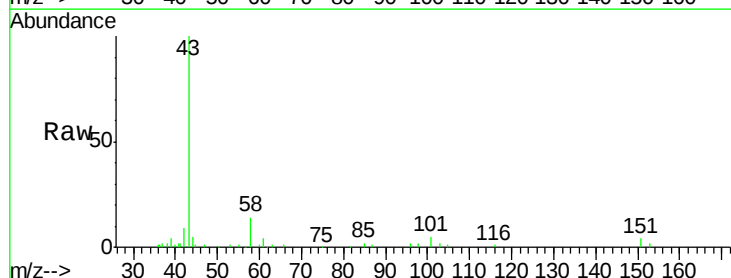
Acq: 7 Aug 2019 12:20

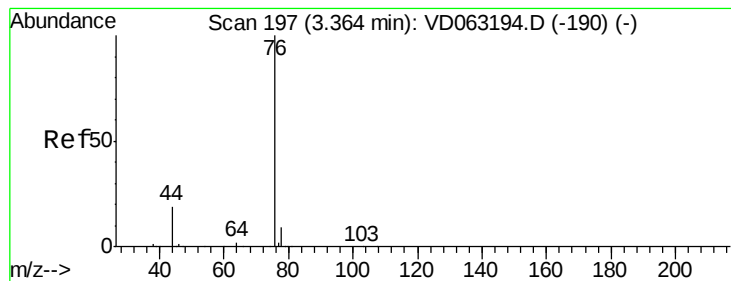
Tgt Ion: 43 Resp: 218537

Ion Ratio Lower Upper

43 100

58 13.6 13.0 19.4





#17

Carbon Disulfide

Concen: 19.818 ug/l

RT: 3.37 min Scan# 198

Delta R.T. 0.01 min

Lab File: VD063418.D

Acq: 7 Aug 2019 12:20

Instrument :

MSVOA_D

ClientSampleId :

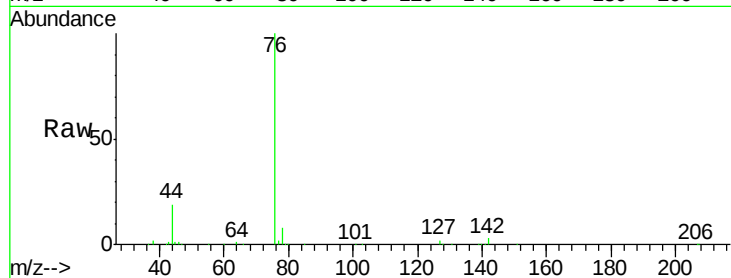
VD0807SBSD01

Tot Ion: 76 Resp: 497627

Ion Ratio Lower Upper

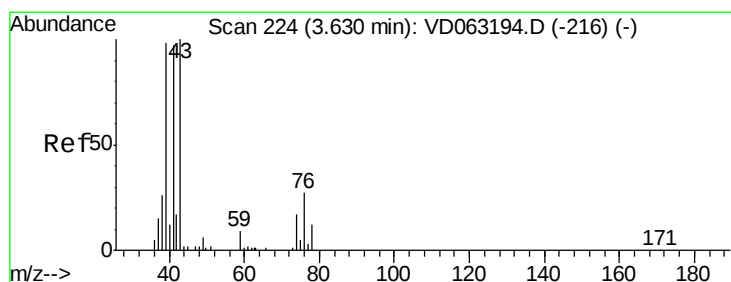
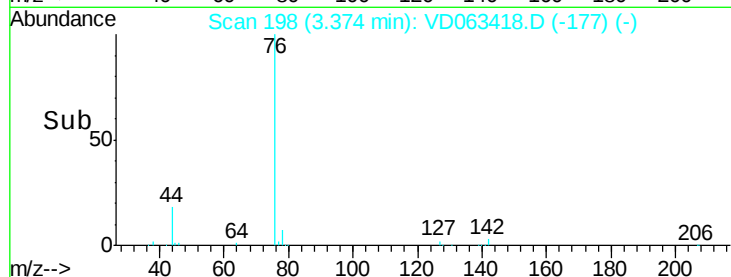
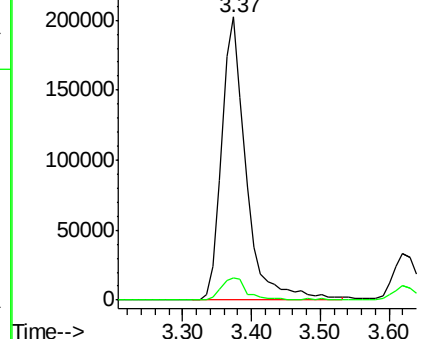
76 100

78 7.8 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: 22.773 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.02 min

Lab File: VD063418.D

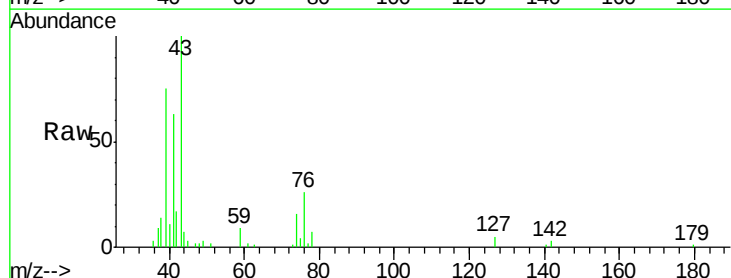
Acq: 7 Aug 2019 12:20

Tgt Ion: 43 Resp: 91467

Ion Ratio Lower Upper

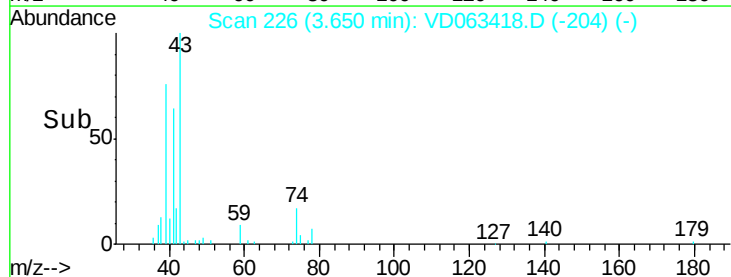
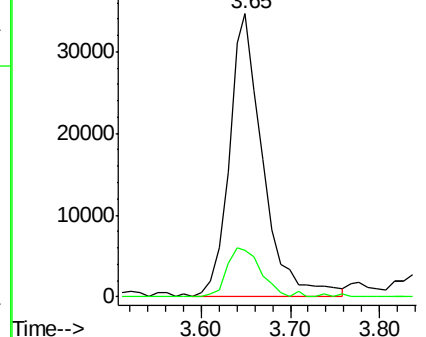
43 100

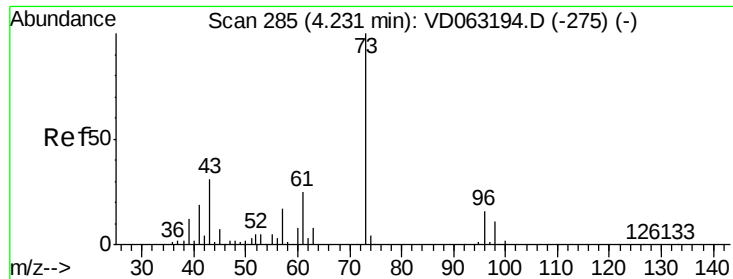
74 16.3 13.8 20.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

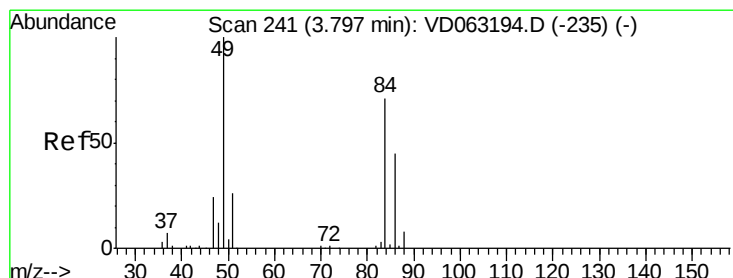
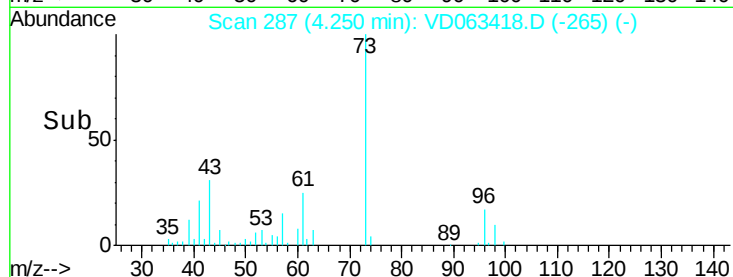
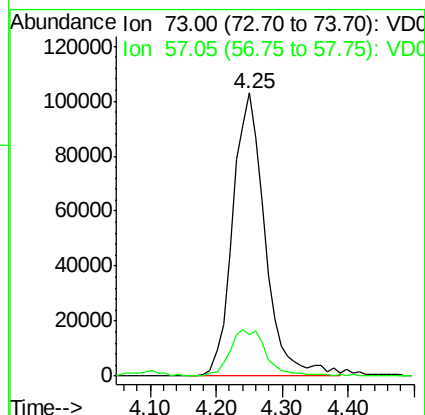
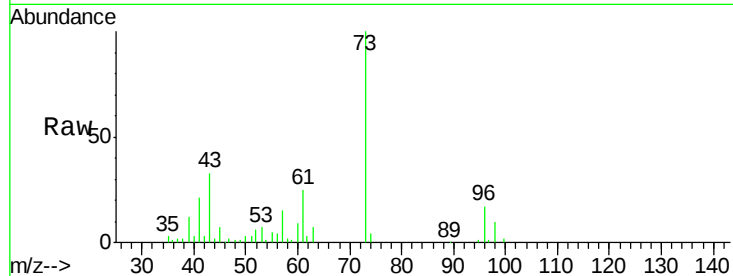




#19
Methyl tert-butyl Ether
Concen: 20.975 ug/l
RT: 4.25 min Scan# 287
Delta R.T. 0.02 min
Lab File: VD063418.D
Acq: 7 Aug 2019 12:20

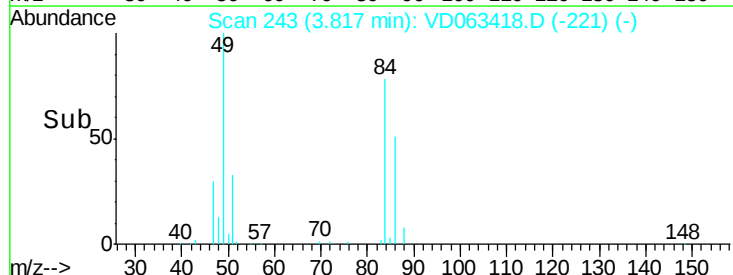
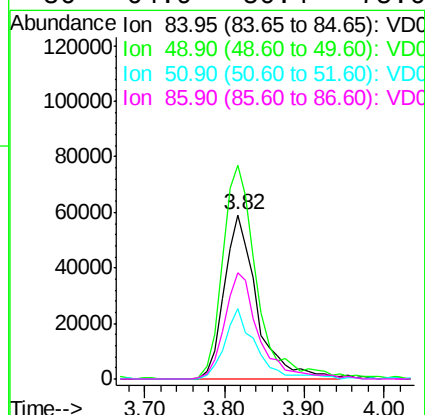
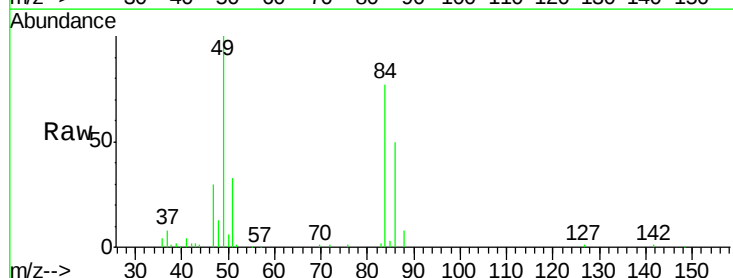
Instrument :
MSVOA_D
ClientSampleId :
VD0807SBS01

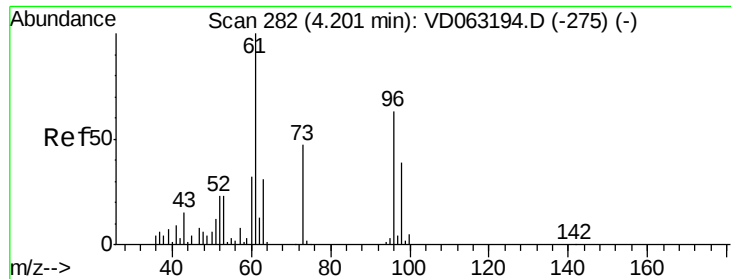
Tot Ion: 73 Resp: 355431
Ion Ratio Lower Upper
73 100
57 14.5 13.8 20.6



#20
Methylene Chloride
Concen: 20.172 ug/l
RT: 3.82 min Scan# 243
Delta R.T. 0.02 min
Lab File: VD063418.D
Acq: 7 Aug 2019 12:20

Tgt Ion: 84 Resp: 170498
Ion Ratio Lower Upper
84 100
49 130.3 112.5 168.7
51 43.3 29.6 44.4
86 64.9 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 21.147 ug/l

RT: 4.22 min Scan# 284

Delta R.T. 0.02 min

Lab File: VD063418.D

Acq: 7 Aug 2019 12:20

Instrument :

MSVOA_D

ClientSampleId :

VD0807SBS01

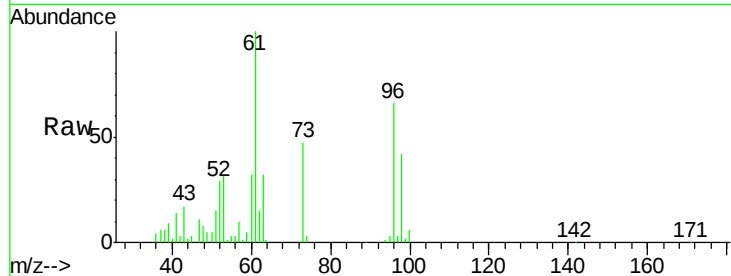
Tot Ion: 96 Resp: 178003

Ion Ratio Lower Upper

96 100

61 152.7 127.4 191.2

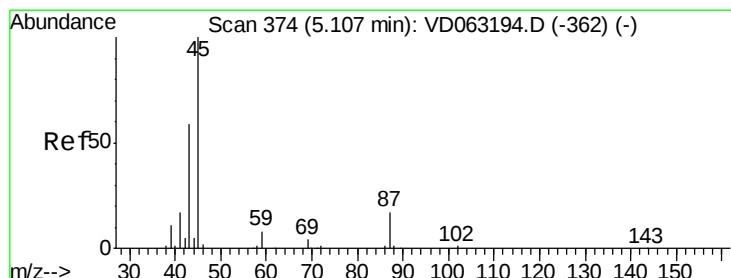
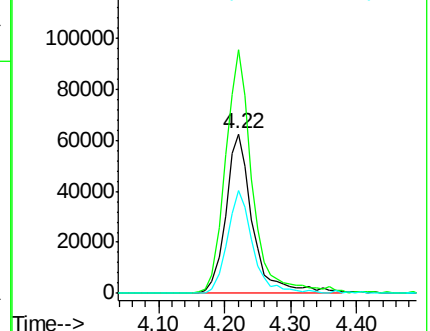
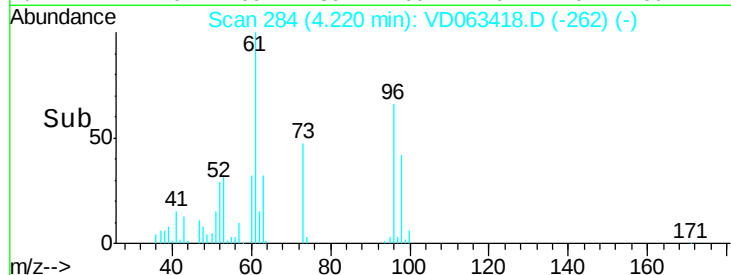
98 64.4 49.3 73.9



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: 21.096 ug/l

RT: 5.13 min Scan# 376

Delta R.T. 0.02 min

Lab File: VD063418.D

Acq: 7 Aug 2019 12:20

Tgt Ion: 45 Resp: 503705

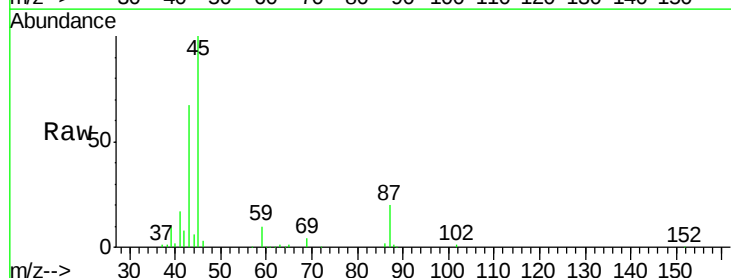
Ion Ratio Lower Upper

45 100

43 67.1 51.7 77.5

87 19.9 14.6 21.8

59 9.7 6.6 10.0

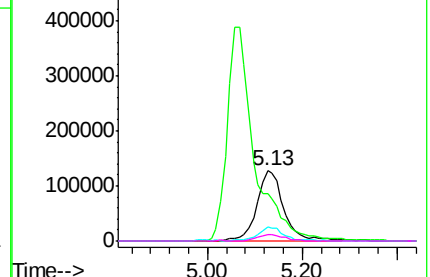
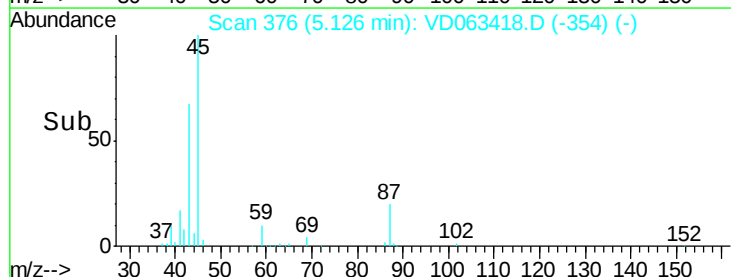


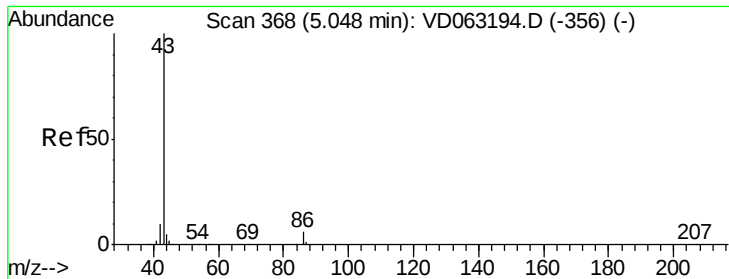
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 103.621 ug/l

RT: 5.07 min Scan# 370

Delta R.T. 0.02 min

Lab File: VD063418.D

Acq: 7 Aug 2019 12:20

Instrument :

MSVOA_D

ClientSampleId :

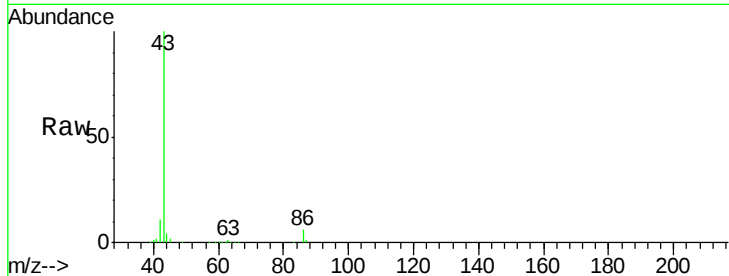
VD0807SBS01

Tot Ion: 43 Resp: 1520844

Ion Ratio Lower Upper

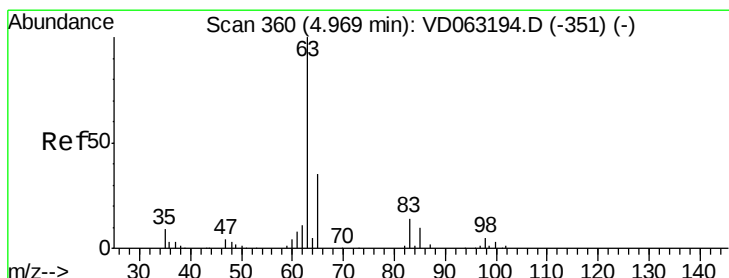
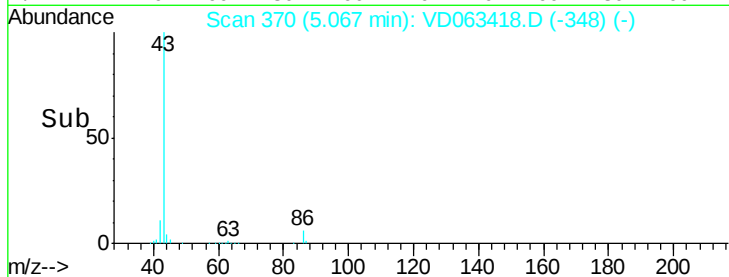
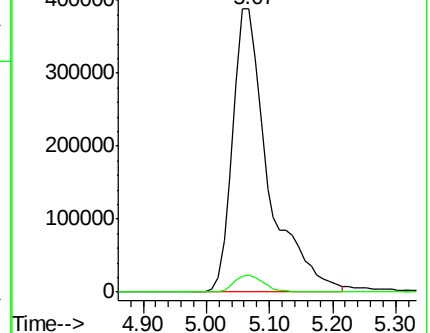
43 100

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



#24

1,1-Dichloroethane

Concen: 22.194 ug/l

RT: 4.99 min Scan# 362

Delta R.T. 0.02 min

Lab File: VD063418.D

Acq: 7 Aug 2019 12:20

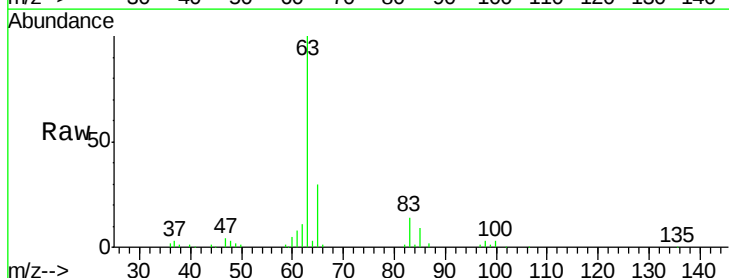
Tgt Ion: 63 Resp: 338482

Ion Ratio Lower Upper

63 100

98 3.0 2.8 8.4

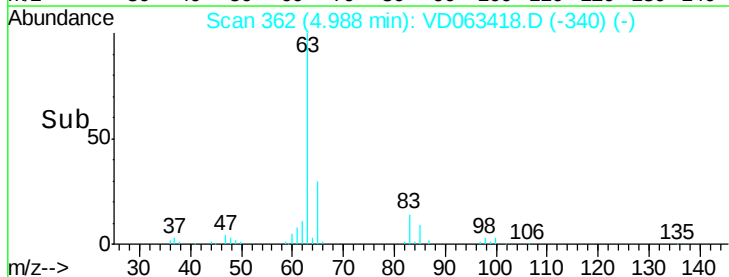
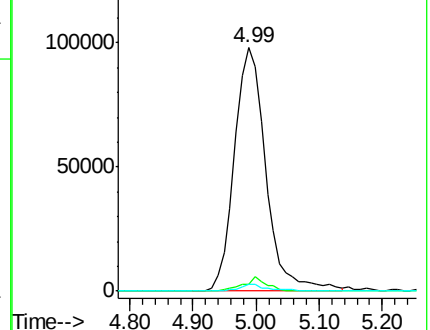
100 3.0 1.3 3.9

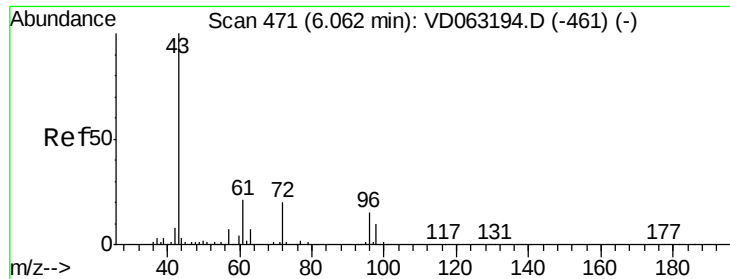


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 108.691 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.02 min

Lab File: VD063418.D

Acq: 7 Aug 2019 12:20

Instrument :

MSVOA_D

ClientSampleId :

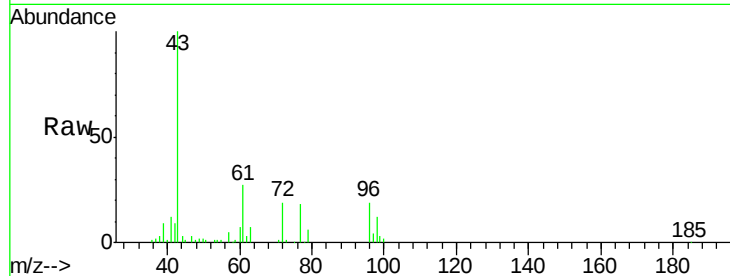
VD0807SBS01

Tot Ion: 43 Resp: 228088

Ion Ratio Lower Upper

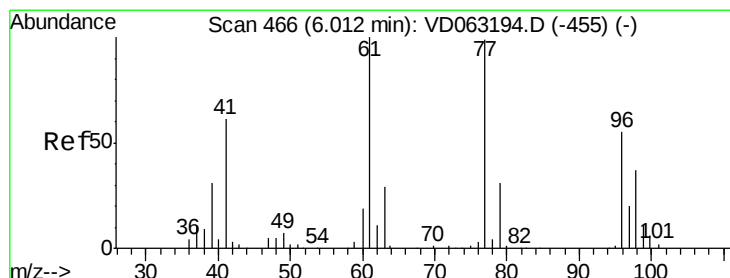
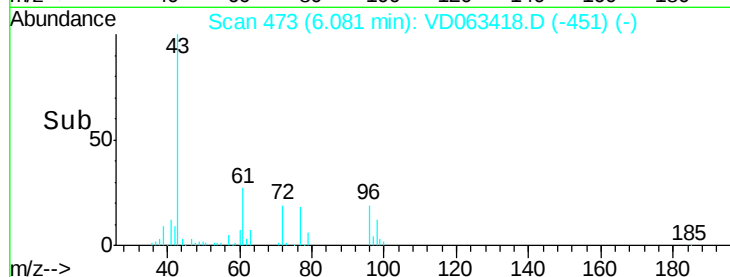
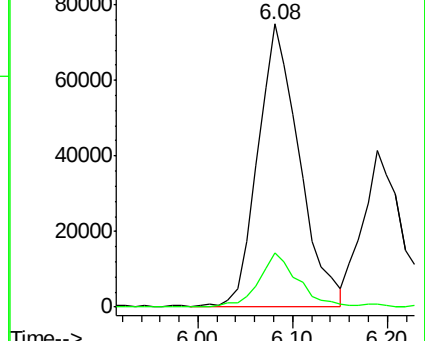
43 100

72 19.1 16.3 24.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 21.909 ug/l

RT: 6.03 min Scan# 468

Delta R.T. 0.02 min

Lab File: VD063418.D

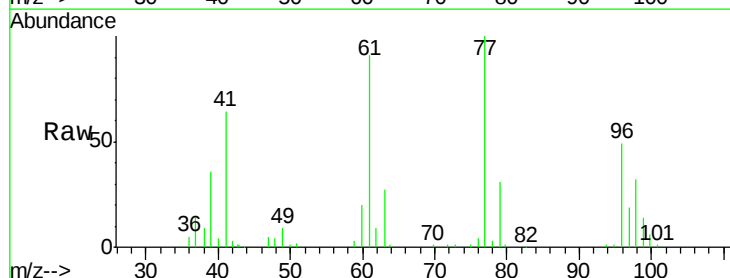
Acq: 7 Aug 2019 12:20

Tgt Ion: 77 Resp: 344349

Ion Ratio Lower Upper

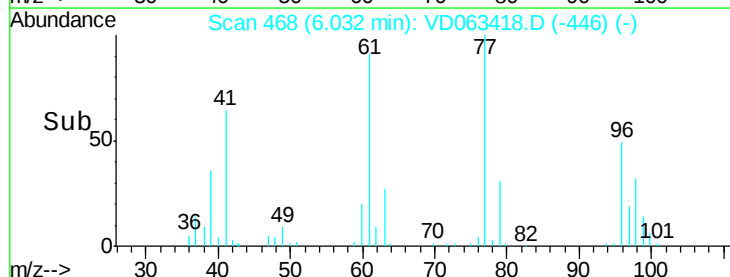
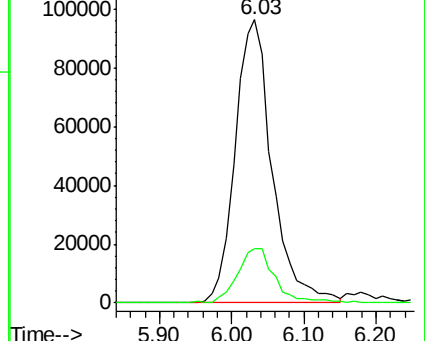
77 100

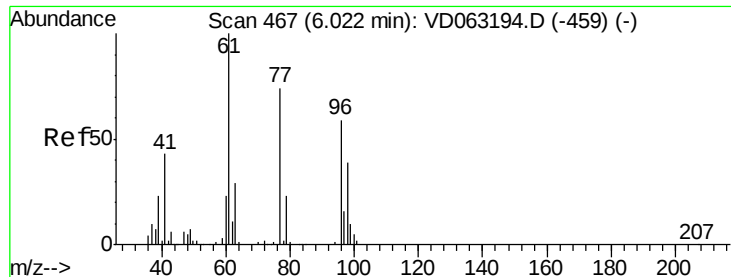
97 19.0 10.2 30.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



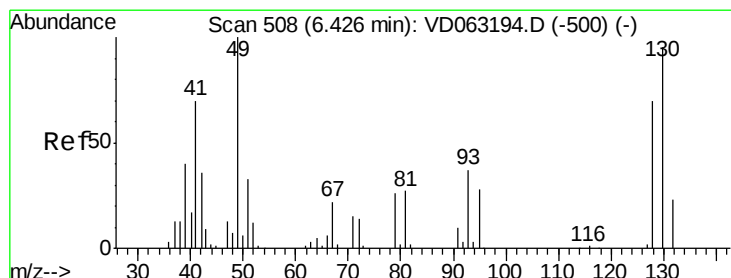
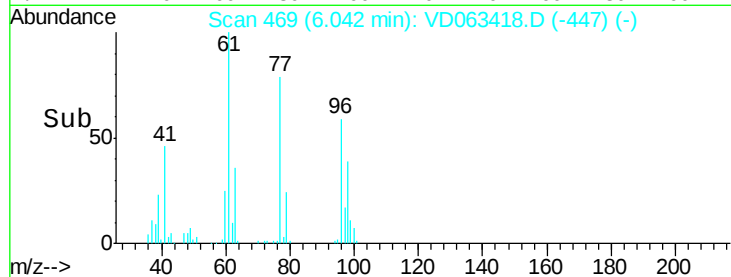
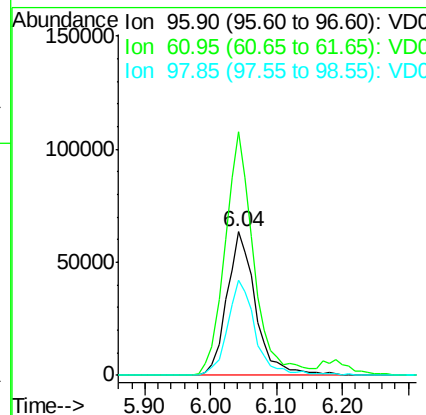
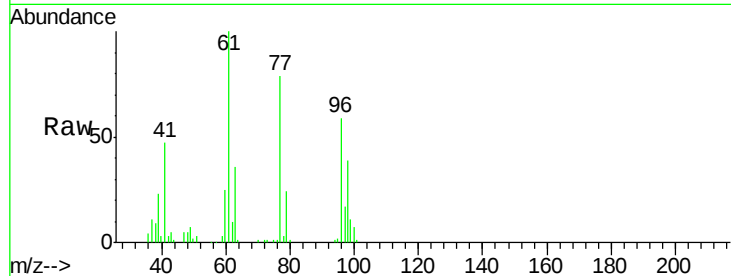


#27

cis-1,2-Dichloroethene
Concen: 21.532 ug/l
RT: 6.04 min Scan# 469
Delta R.T. 0.02 min
Lab File: VD063418.D
Acq: 7 Aug 2019 12:20

Instrument :
MSVOA_D
ClientSampleId :
VD0807SBSD01

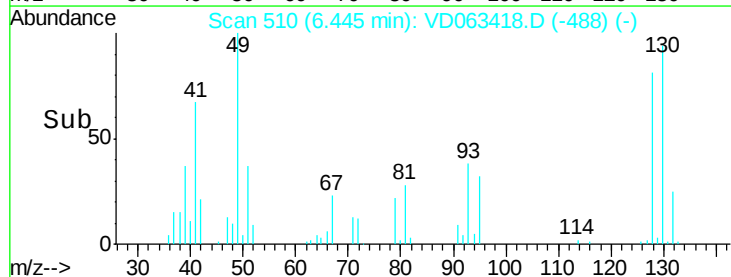
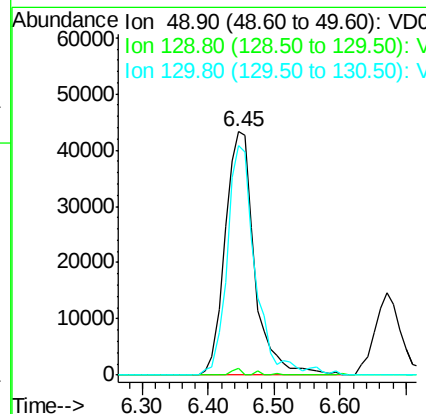
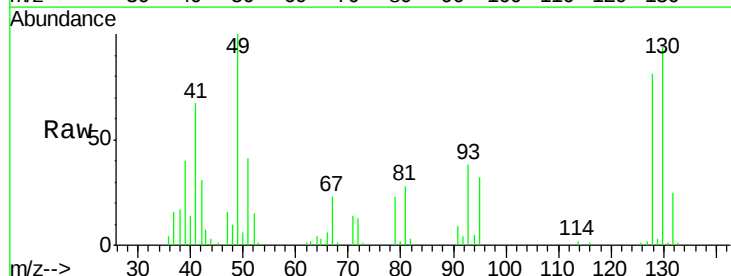
Tot Ion	96	Resp	194325
Ion	Ratio	Lower	Upper
96	100		
61	170.1	0.0	337.2
98	66.1	0.0	130.6

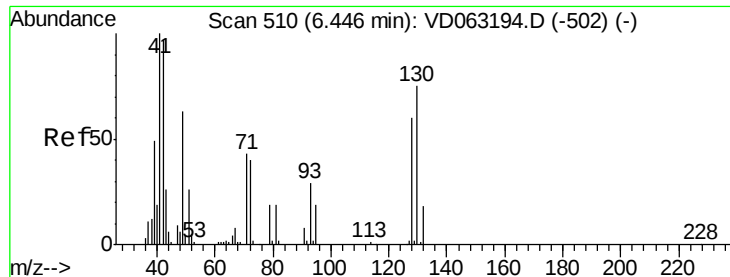


#28

Bromochloromethane
Concen: 22.211 ug/l
RT: 6.45 min Scan# 510
Delta R.T. 0.02 min
Lab File: VD063418.D
Acq: 7 Aug 2019 12:20

Tgt Ion	49	Resp	134966
Ion	Ratio	Lower	Upper
49	100		
129	3.0	0.0	0.0#
130	94.4	75.7	113.5





#29

Tetrahydrofuran

Concen: 108.651 ug/l

RT: 6.46 min Scan# 512

Delta R.T. 0.02 min

Lab File: VD063418.D

Acq: 7 Aug 2019 12:20

Instrument :

MSVOA_D

ClientSampleId :

VD0807SBS01

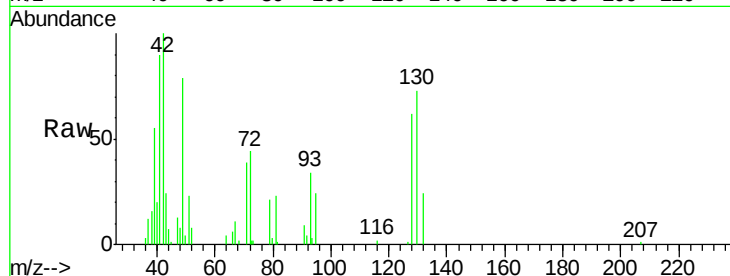
Tot Ion: 42 Resp: 107948

Ion Ratio Lower Upper

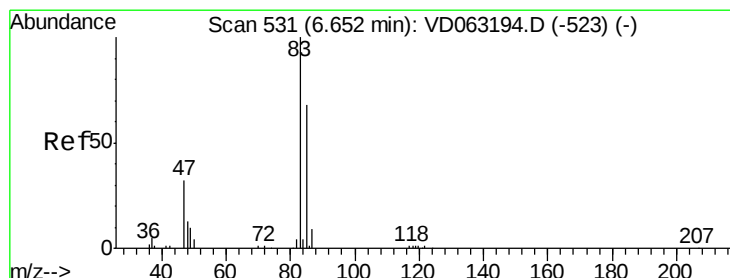
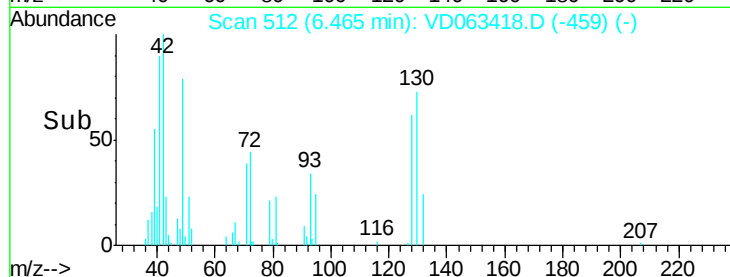
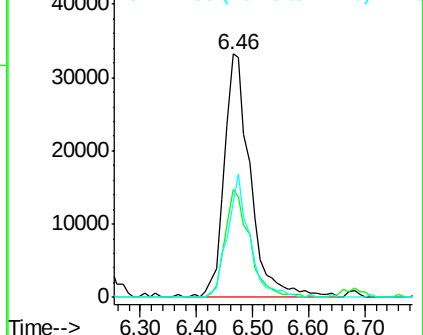
42 100

72 41.9 33.4 50.2

71 42.5 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: 20.866 ug/l

RT: 6.67 min Scan# 533

Delta R.T. 0.02 min

Lab File: VD063418.D

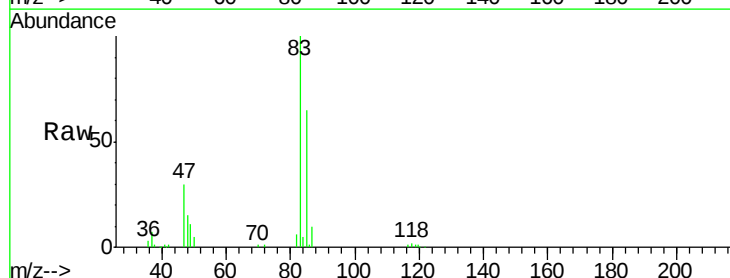
Acq: 7 Aug 2019 12:20

Tgt Ion: 83 Resp: 394933

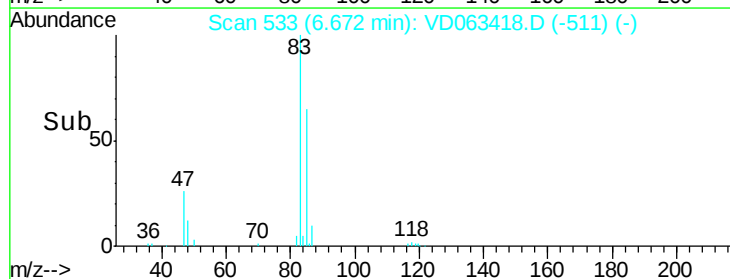
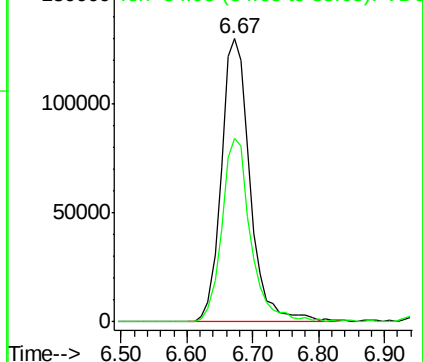
Ion Ratio Lower Upper

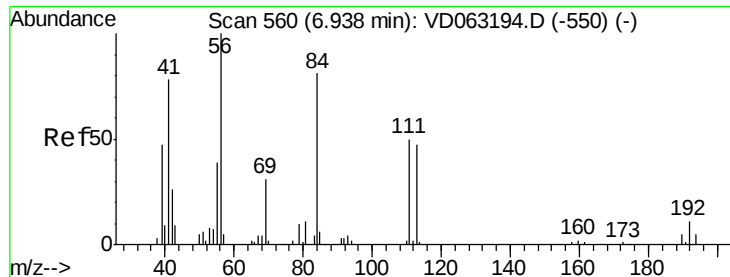
83 100

85 64.6 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: 19.894 ug/l

RT: 6.96 min Scan# 562

Delta R.T. 0.02 min

Lab File: VD063418.D

Acq: 7 Aug 2019 12:20

Instrument :

MSVOA_D

ClientSampleId :

VD0807SBS01

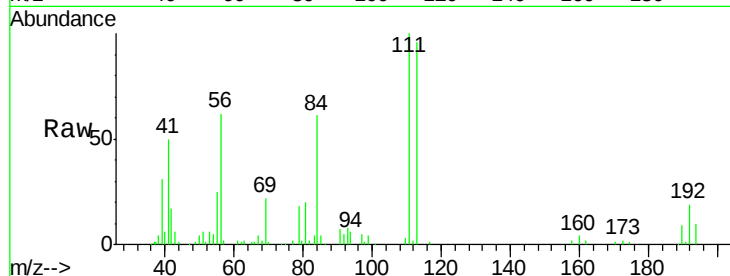
Tot Ion: 56 Resp: 190174

Ion Ratio Lower Upper

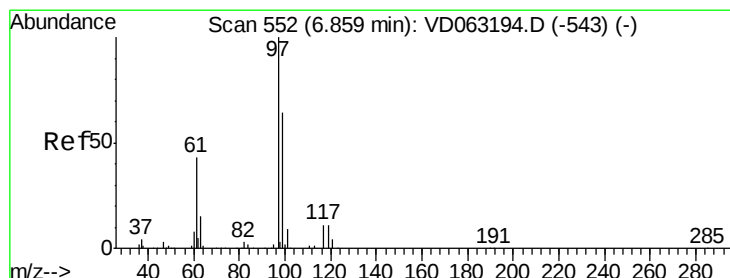
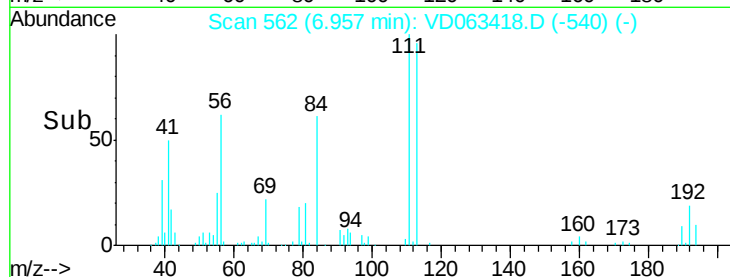
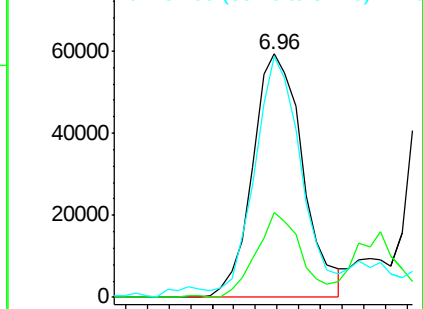
56 100

69 34.7 24.5 36.7

84 99.1 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: 22.090 ug/l

RT: 6.88 min Scan# 554

Delta R.T. 0.02 min

Lab File: VD063418.D

Acq: 7 Aug 2019 12:20

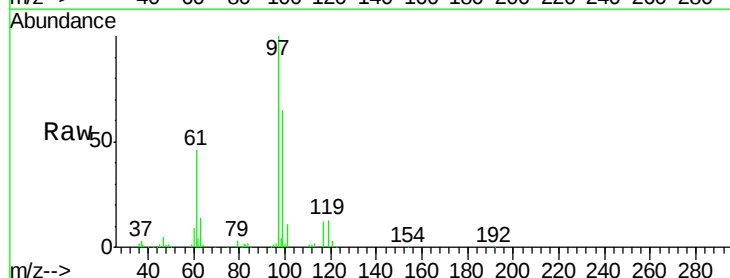
Tgt Ion: 97 Resp: 404406

Ion Ratio Lower Upper

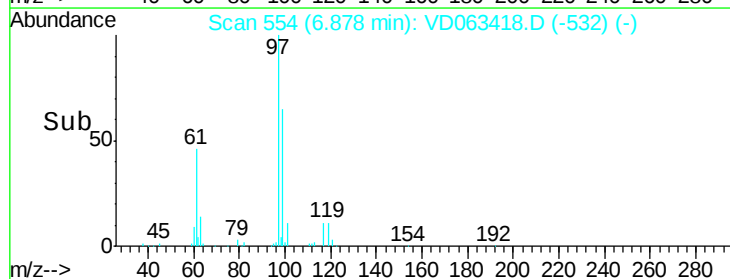
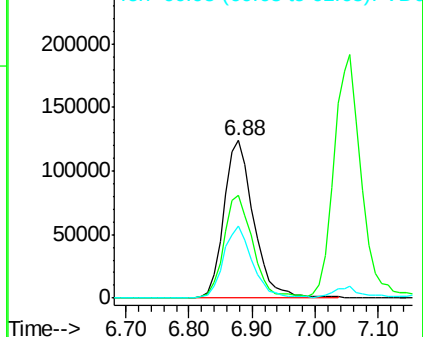
97 100

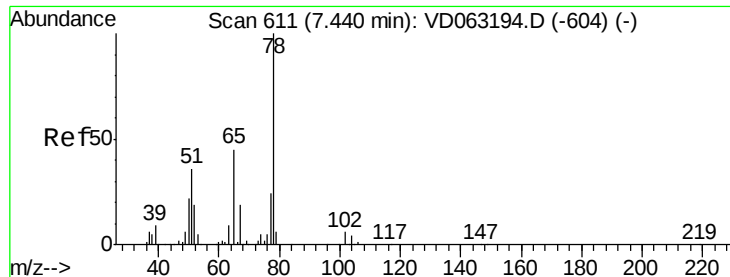
99 65.3 51.2 76.8

61 45.6 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: 56.071 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.02 min

Lab File: VD063418.D

Acq: 7 Aug 2019 12:20

Instrument :

MSVOA_D

ClientSampleId :

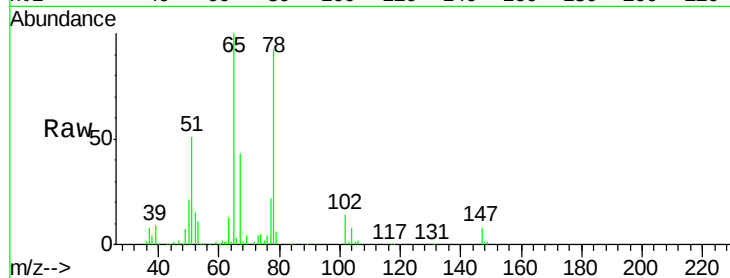
VD0807SBSD01

Tot Ion: 65 Resp: 601751

Ion Ratio Lower Upper

65 100

67 43.1 0.0 85.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.46

200000

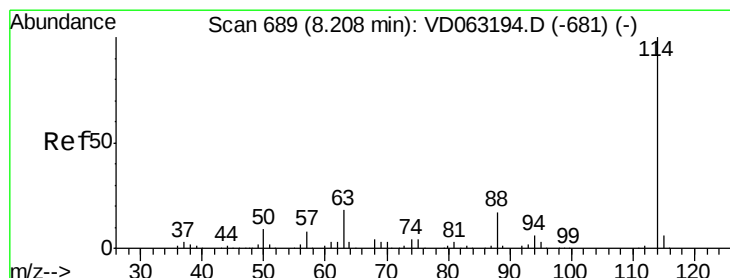
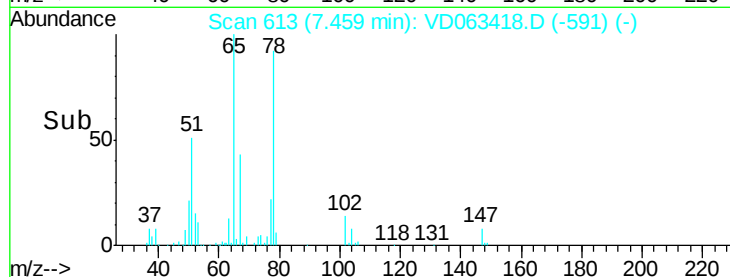
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 691

Delta R.T. 0.02 min

Lab File: VD063418.D

Acq: 7 Aug 2019 12:20

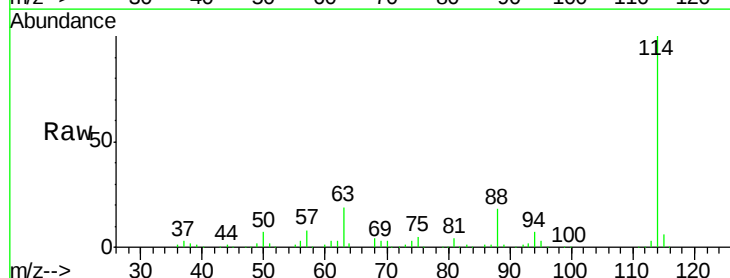
Tgt Ion: 114 Resp: 1329931

Ion Ratio Lower Upper

114 100

63 18.6 0.0 35.2

88 18.1 0.0 34.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

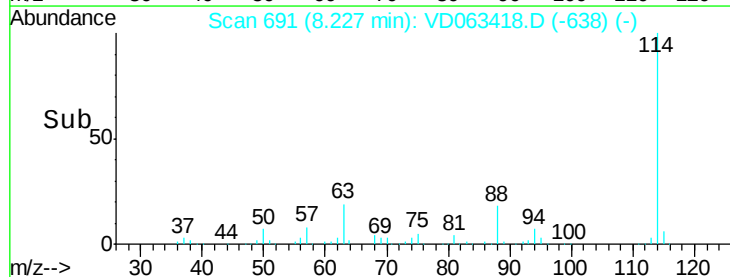
600000

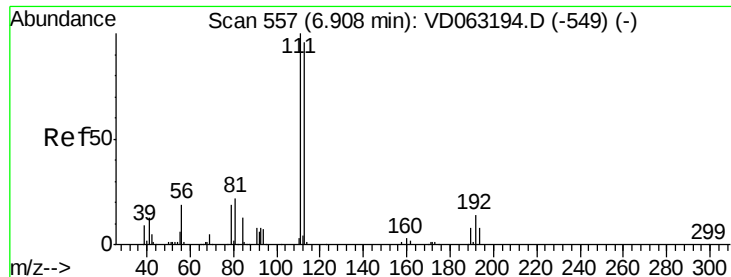
400000

200000

0

Time-->





#35

Dibromofluoromethane

Concen: 55.507 ug/l

RT: 6.94 min Scan# 560

Delta R.T. 0.03 min

Lab File: VD063418.D

Acq: 7 Aug 2019 12:20

Instrument :

MSVOA_D

ClientSampleId :

VD0807SBSD01

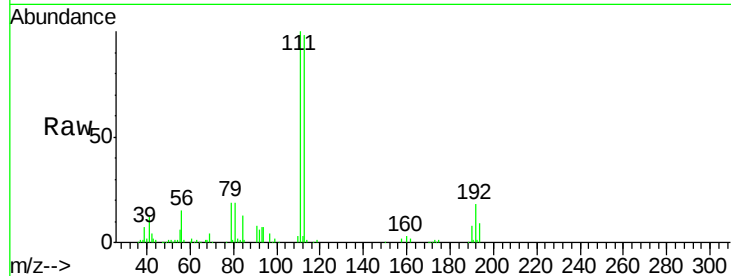
Tot Ion:113 Resp: 630271

Ion Ratio Lower Upper

113 100

111 102.2 83.2 124.8

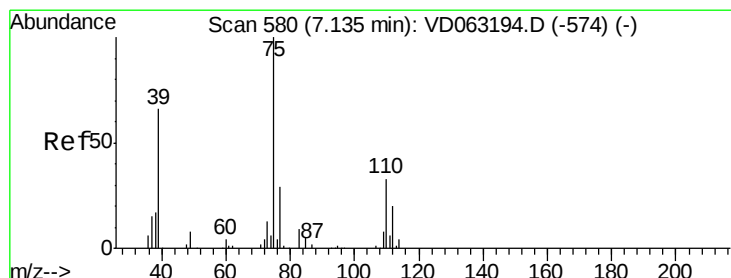
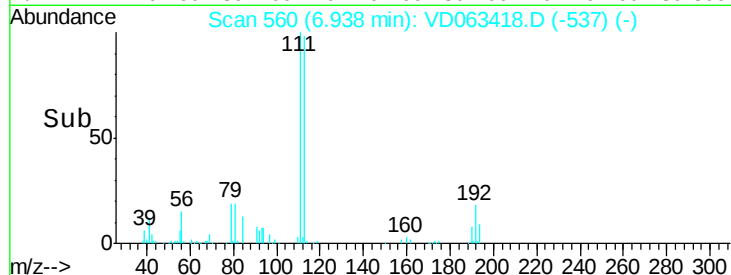
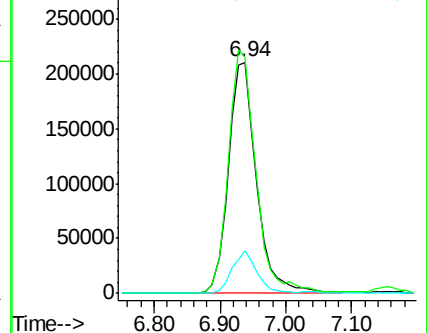
192 18.4 11.8 17.8#



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 22.092 ug/l

RT: 7.15 min Scan# 582

Delta R.T. 0.02 min

Lab File: VD063418.D

Acq: 7 Aug 2019 12:20

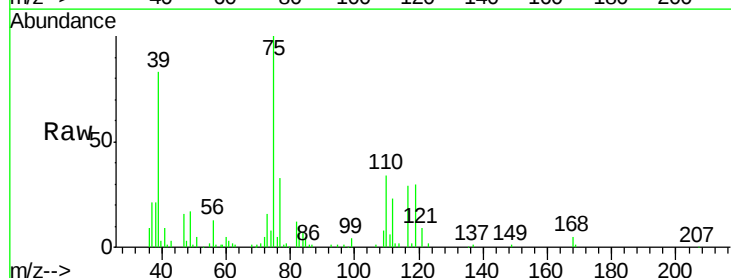
Tgt Ion: 75 Resp: 268142

Ion Ratio Lower Upper

75 100

110 33.9 16.1 48.2

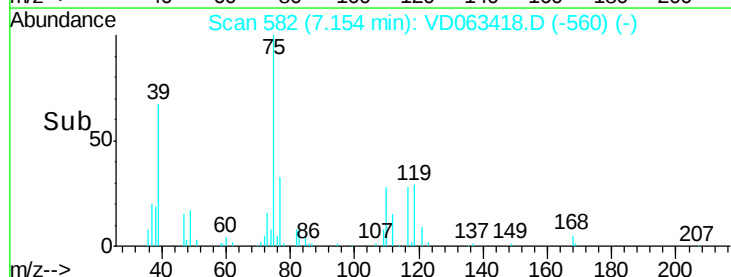
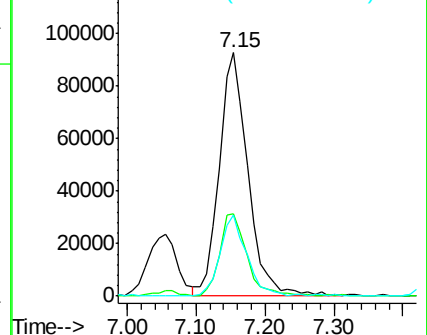
77 33.1 22.7 34.1

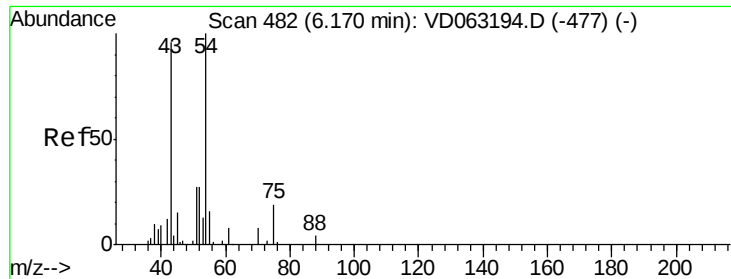


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

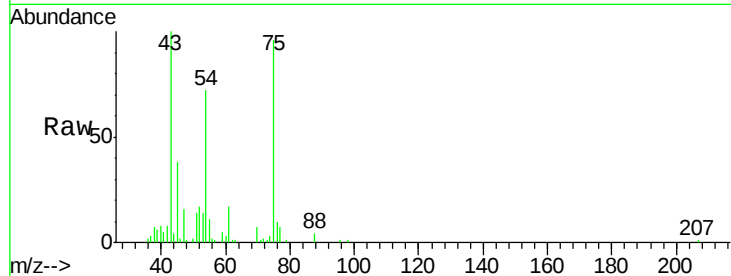




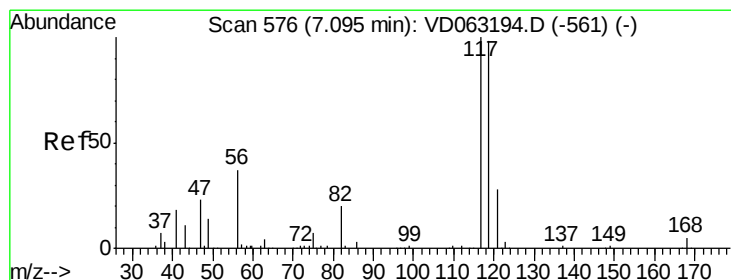
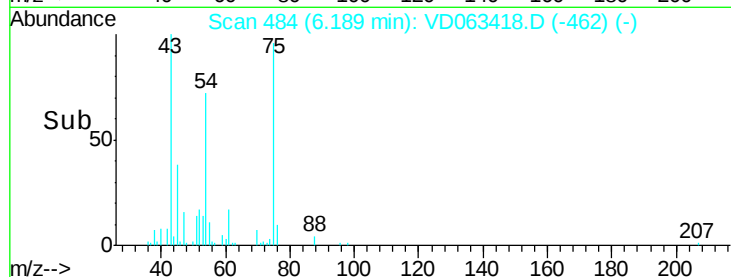
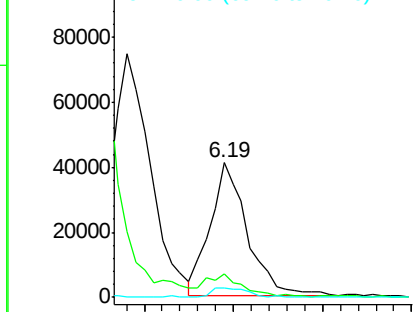
#37
Ethyl Acetate
Concen: 21.805 ug/l
RT: 6.19 min Scan# 484
Delta R.T. 0.02 min
Lab File: VD063418.D
Acq: 7 Aug 2019 12:20

Instrument :
MSVOA_D
ClientSampleId :
VD0807SBS01

Tot Ion: 43 Resp: 118899
Ion Ratio Lower Upper
43 100
61 17.1 11.3 16.9#
70 7.2 5.1 7.7

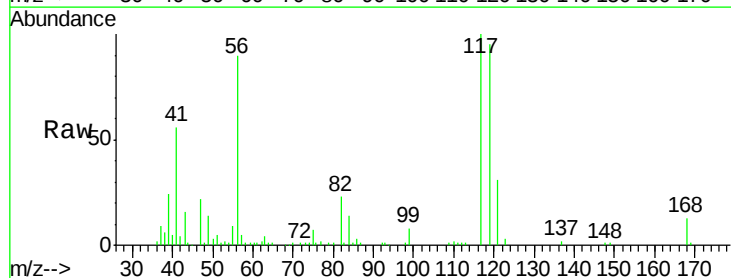


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

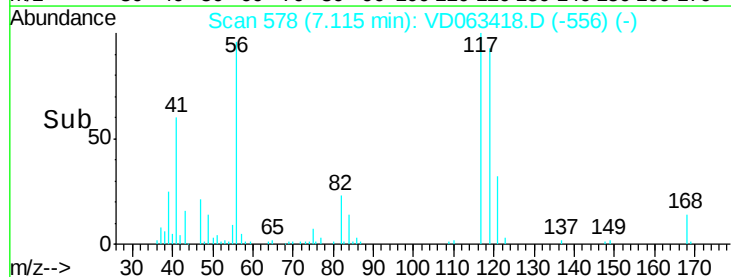
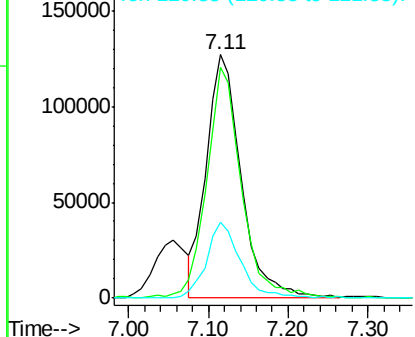


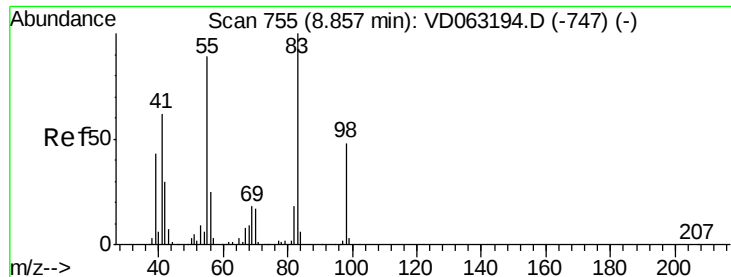
#38
Carbon Tetrachloride
Concen: 21.362 ug/l
RT: 7.11 min Scan# 578
Delta R.T. 0.02 min
Lab File: VD063418.D
Acq: 7 Aug 2019 12:20

Tgt Ion: 117 Resp: 390324
Ion Ratio Lower Upper
117 100
119 95.0 78.2 117.2
121 31.4 22.1 33.1



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

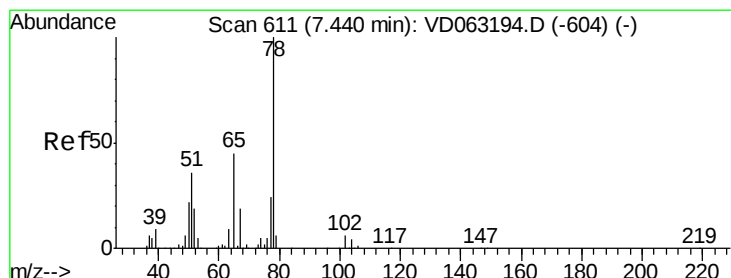
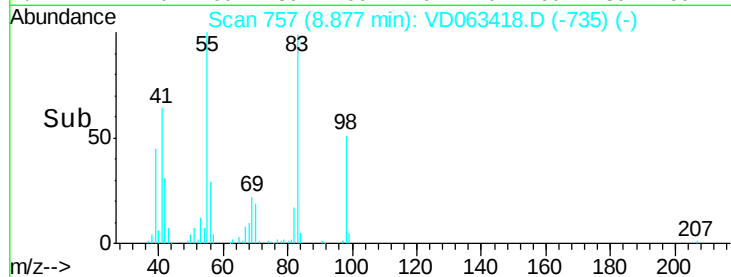
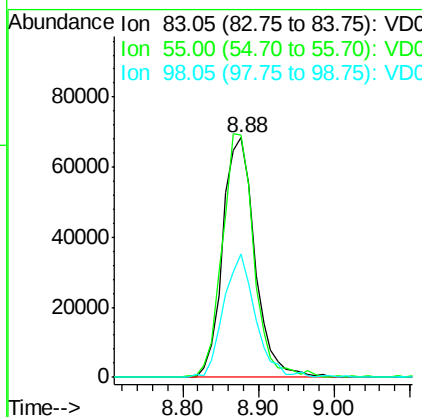
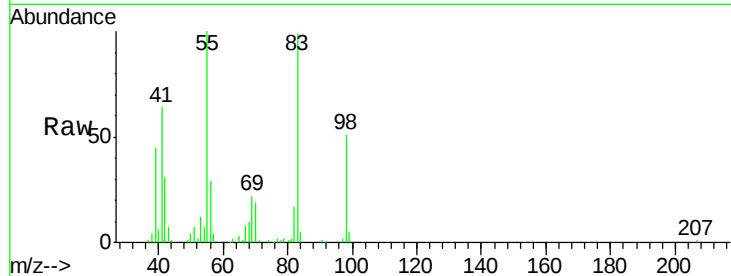




#39
Methvlcvclohexane
Concen: 19.921 ug/l
RT: 8.88 min Scan# 757
Delta R.T. 0.02 min
Lab File: VD063418.D
Acq: 7 Aug 2019 12:20

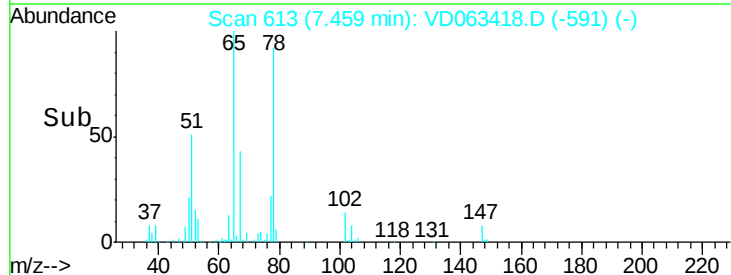
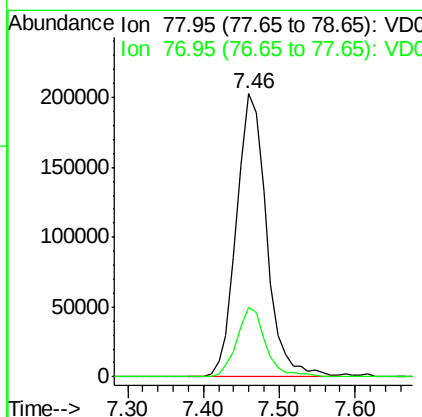
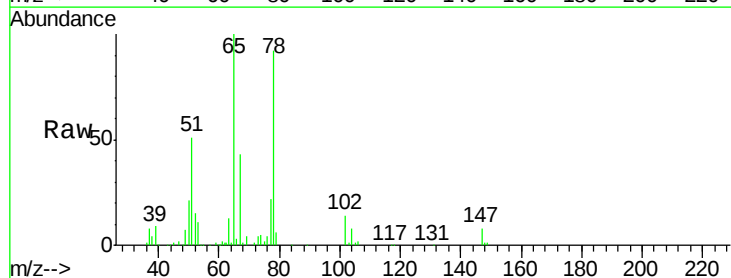
Instrument :
MSVOA_D
ClientSampleId :
VD0807SBS01

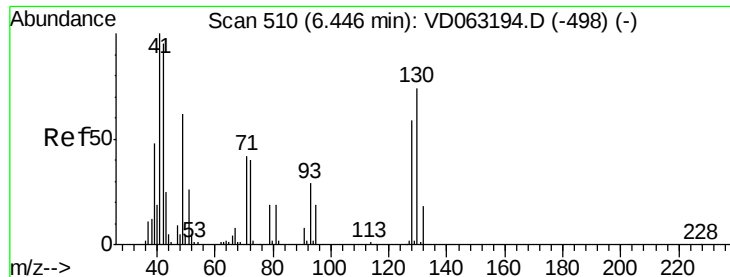
Tot Ion: 83 Resp: 201452
Ion Ratio Lower Upper
83 100
55 101.4 71.1 106.7
98 51.5 38.5 57.7



#40
Benzene
Concen: 22.067 ug/l
RT: 7.46 min Scan# 613
Delta R.T. 0.02 min
Lab File: VD063418.D
Acq: 7 Aug 2019 12:20

Tgt Ion: 78 Resp: 561325
Ion Ratio Lower Upper
78 100
77 24.4 19.4 29.2

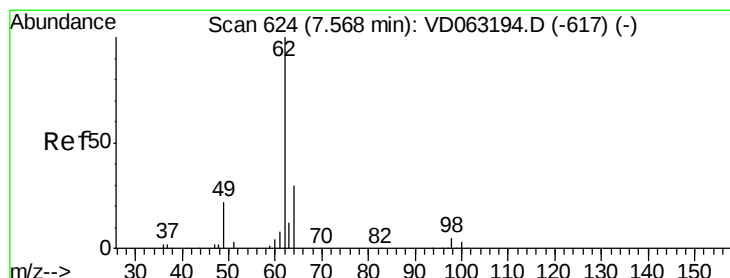
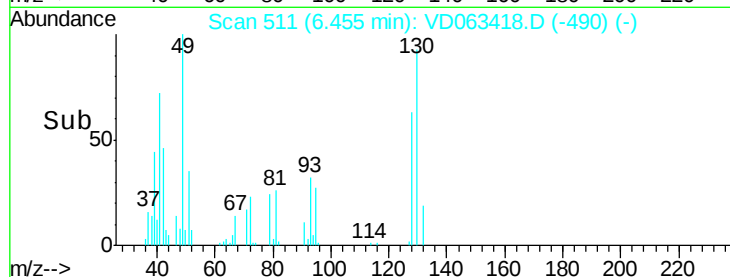
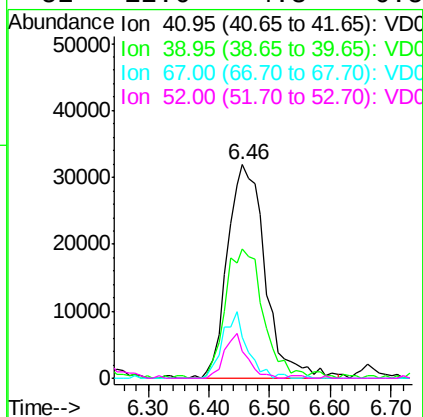
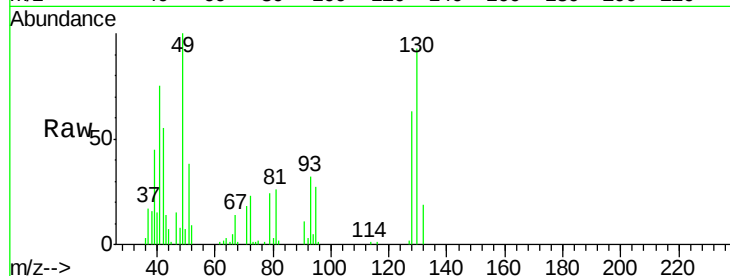




#41
Methacrylonitrile
Concen: 21.177 ug/l
RT: 6.46 min Scan# 511
Delta R.T. 0.01 min
Lab File: VD063418.D
Acq: 7 Aug 2019 12:20

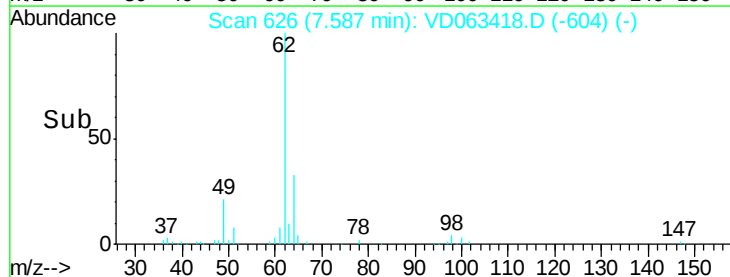
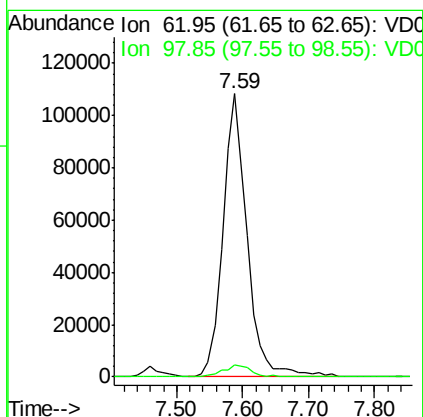
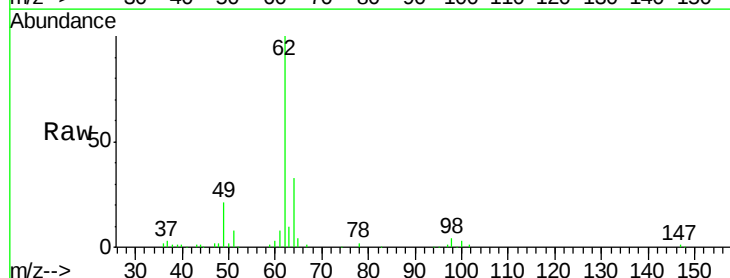
Instrument :
MSVOA_D
ClientSampleId :
VD0807SBSD01

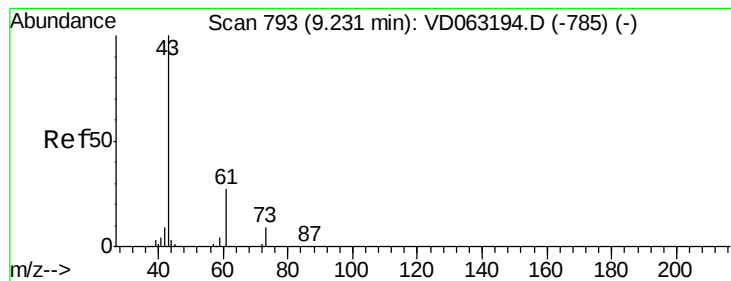
Tot Ion: 41 Resp: 138132
Ion Ratio Lower Upper
41 100
39 60.5 38.4 57.6#
67 19.2 6.7 10.1#
52 12.6 4.3 6.5#



#42
1,2-Dichloroethane
Concen: 20.549 ug/l
RT: 7.59 min Scan# 626
Delta R.T. 0.02 min
Lab File: VD063418.D
Acq: 7 Aug 2019 12:20

Tgt Ion: 62 Resp: 277031
Ion Ratio Lower Upper
62 100
98 4.0 0.0 9.8



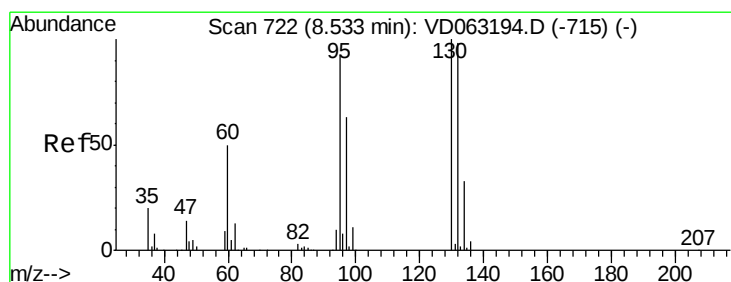
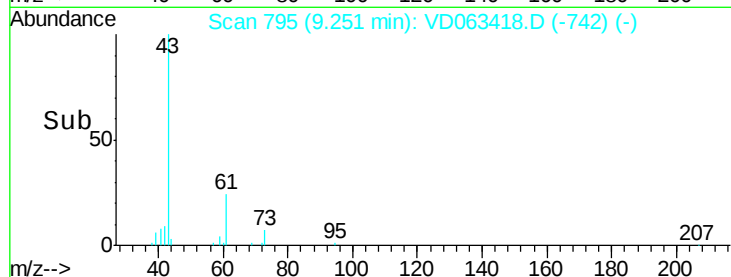
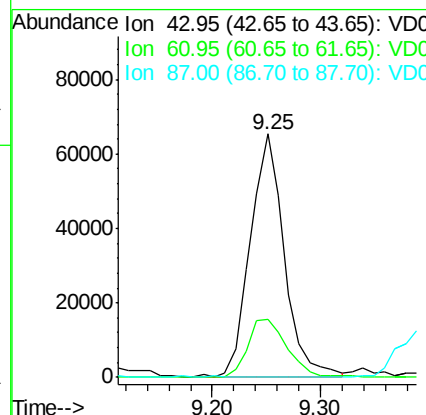
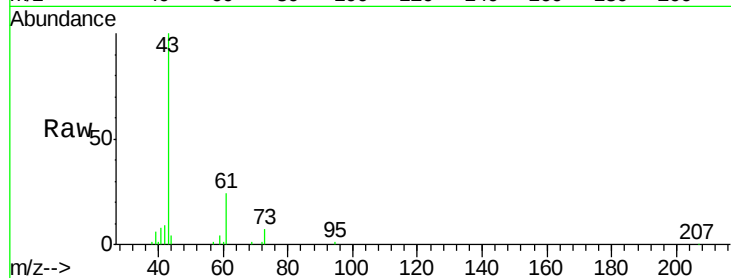


#43

Isopropyl Acetate
 Concen: 20.643 ug/l
 RT: 9.25 min Scan# 795
 Delta R.T. 0.02 min
 Lab File: VD063418.D
 Acq: 7 Aug 2019 12:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0807SBS01

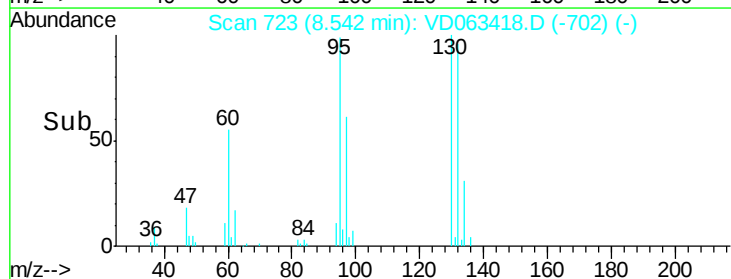
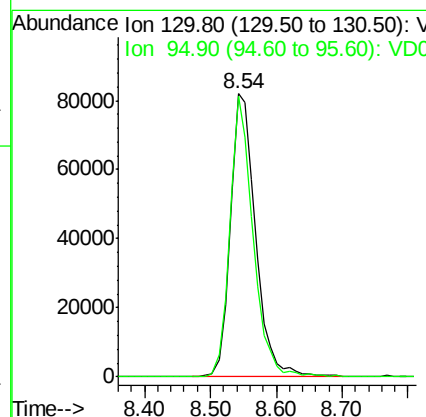
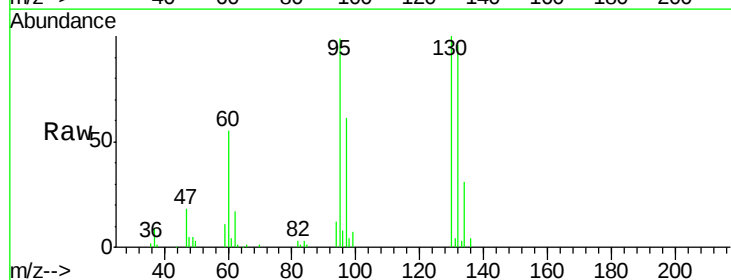
Tot Ion: 43 Resp: 143788
 Ion Ratio Lower Upper
 43 100
 61 23.9 21.4 32.0
 87 0.0 0.2 0.4#

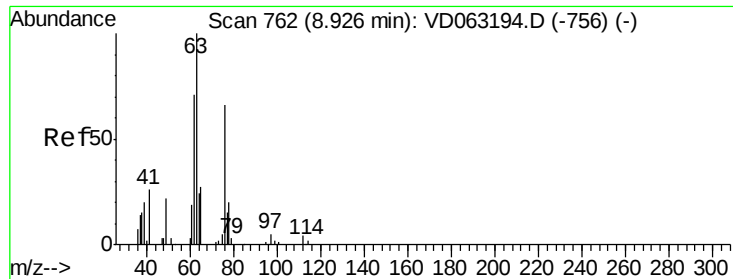


#44

Trichloroethene
 Concen: 21.296 ug/l
 RT: 8.54 min Scan# 723
 Delta R.T. 0.01 min
 Lab File: VD063418.D
 Acq: 7 Aug 2019 12:20

Tgt Ion: 130 Resp: 219514
 Ion Ratio Lower Upper
 130 100
 95 99.0 0.0 185.4





#45

1,2-Dichloropropane

Concen: 20.950 ug/l

RT: 8.95 min Scan# 764

Delta R.T. 0.02 min

Lab File: VD063418.D

Acq: 7 Aug 2019 12:20

Instrument :

MSVOA_D

ClientSampleId :

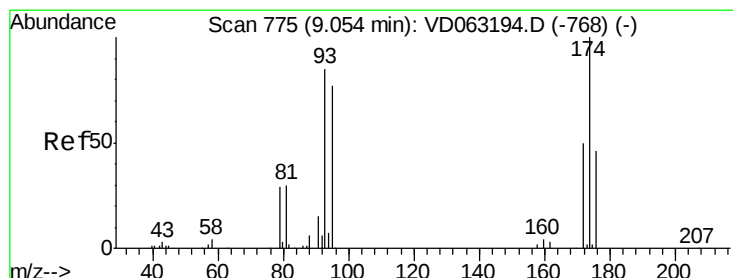
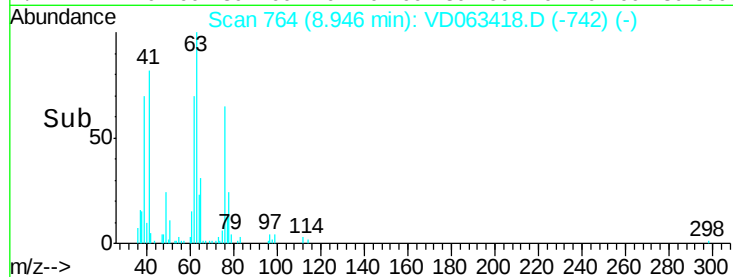
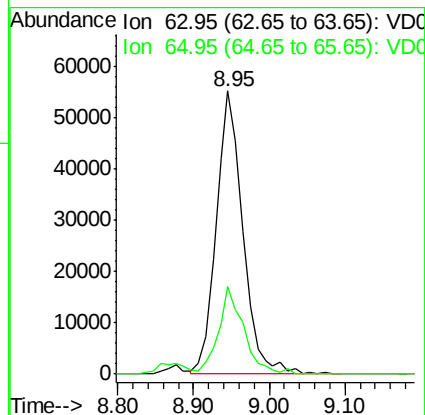
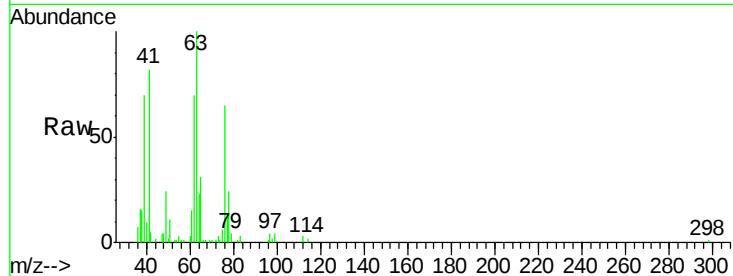
VD0807SBS01

Tot Ion: 63 Resp: 135455

Ion Ratio Lower Upper

63 100

65 30.9 23.6 35.4



#46

Dibromomethane

Concen: 21.846 ug/l

RT: 9.07 min Scan# 777

Delta R.T. 0.02 min

Lab File: VD063418.D

Acq: 7 Aug 2019 12:20

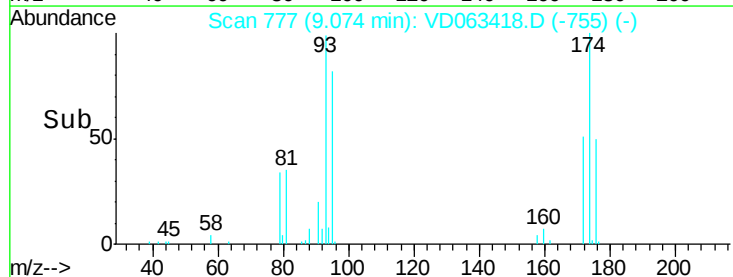
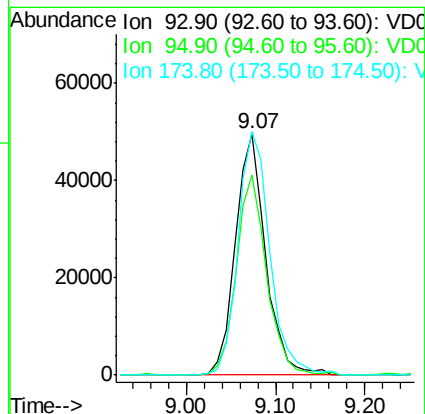
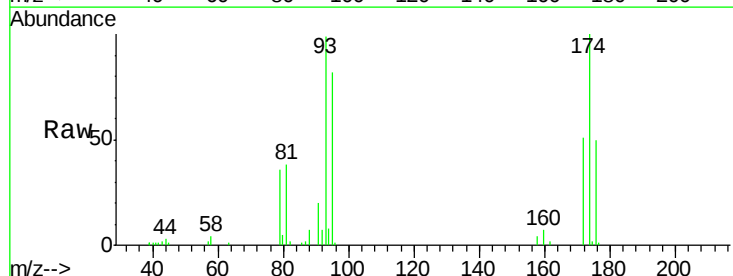
Tgt Ion: 93 Resp: 117447

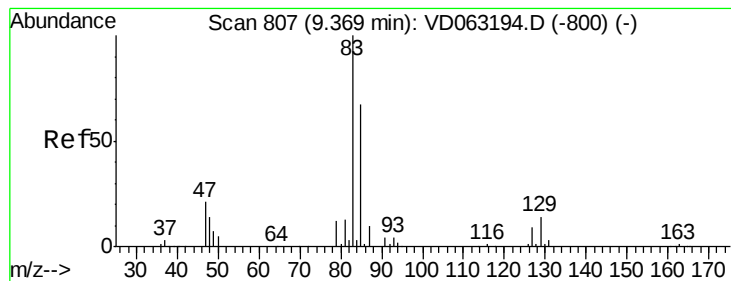
Ion Ratio Lower Upper

93 100

95 82.8 72.8 109.2

174 100.8 94.4 141.6





#47

Bromodichloromethane

Concen: 21.502 ug/l

RT: 9.39 min Scan# 809

Delta R.T. 0.02 min

Lab File: VD063418.D

Acq: 7 Aug 2019 12:20

Instrument :

MSVOA_D

ClientSampleId :

VD0807SBSD01

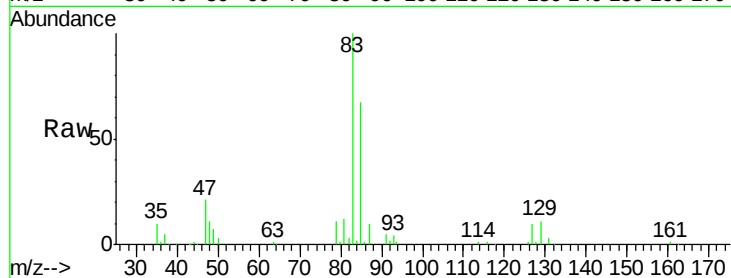
Tot Ion: 83 Resp: 294664

Ion Ratio Lower Upper

83 100

85 66.8 53.6 80.4

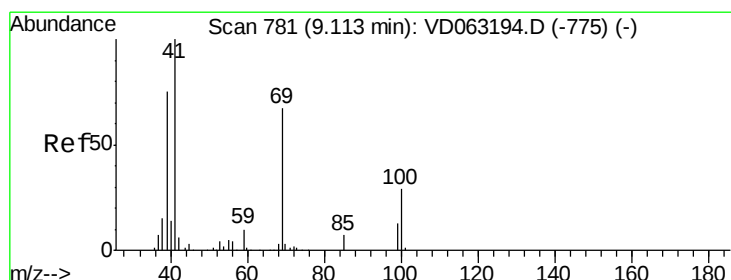
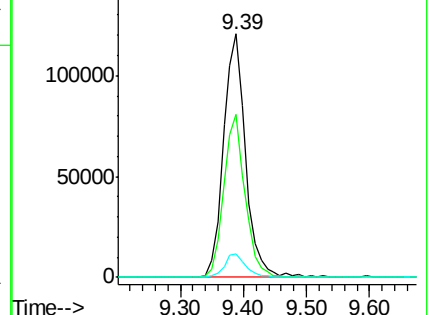
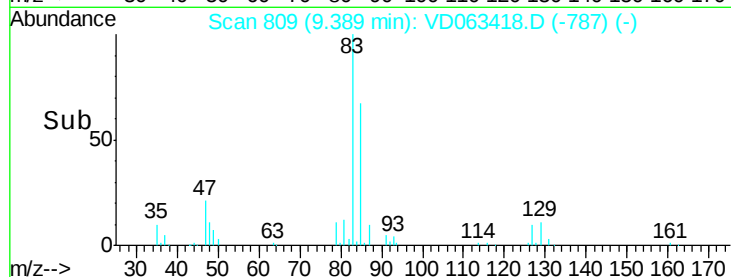
127 9.7 7.2 10.8



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: 22.416 ug/l

RT: 9.13 min Scan# 783

Delta R.T. 0.02 min

Lab File: VD063418.D

Acq: 7 Aug 2019 12:20

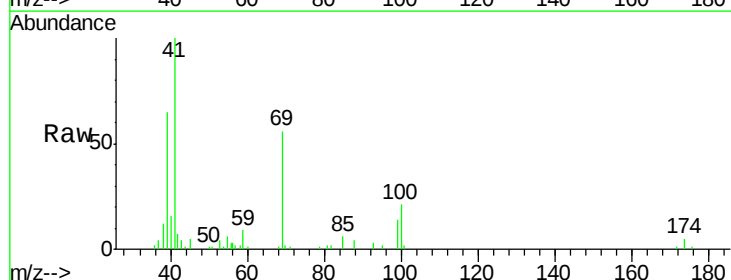
Tgt Ion: 41 Resp: 101266

Ion Ratio Lower Upper

41 100

69 55.9 53.4 80.0

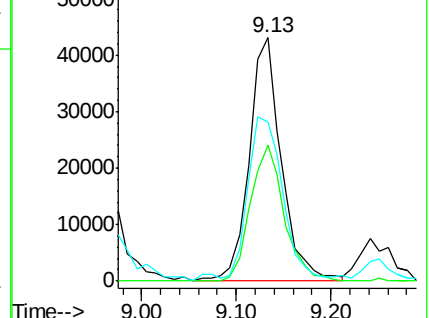
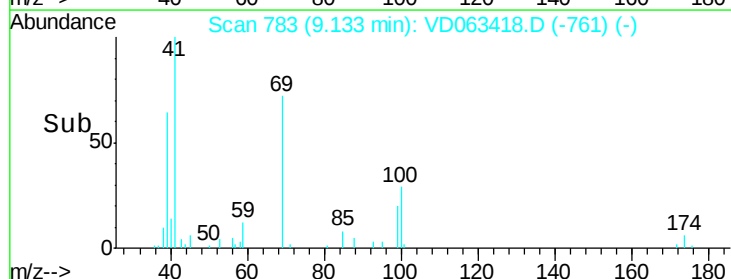
39 65.4 60.3 90.5

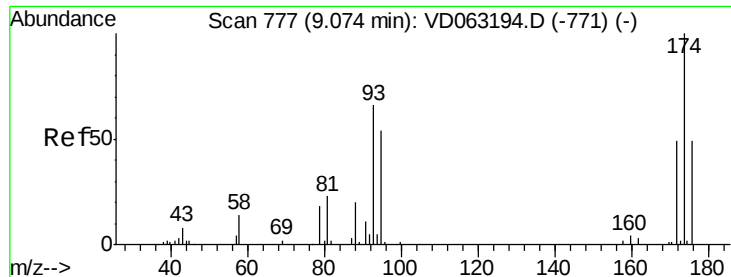


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC

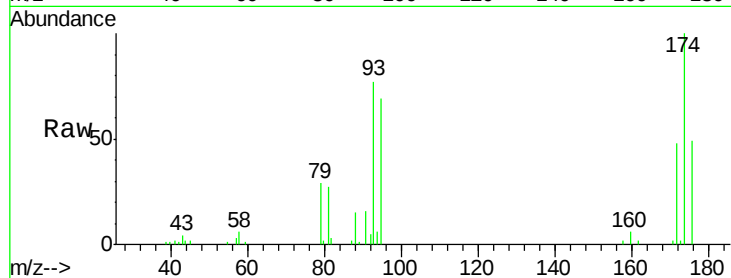




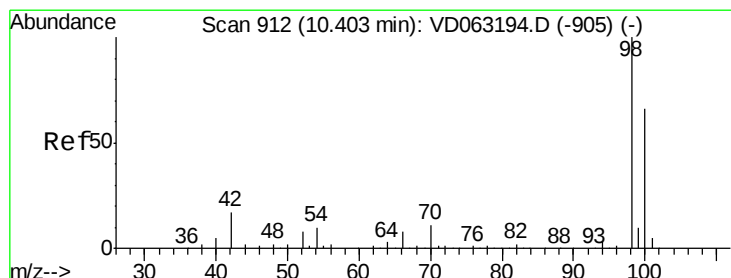
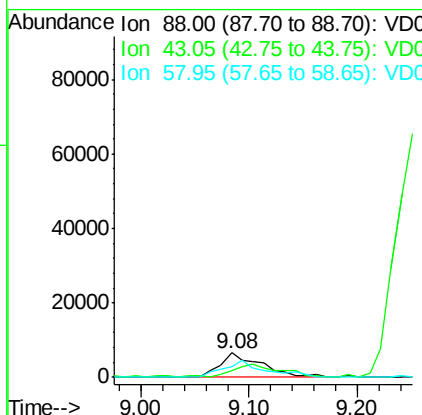
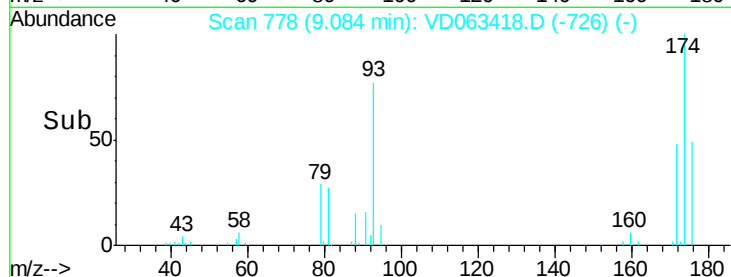
#49
1,4-Dioxane
Concen: 452.878 ug/l
RT: 9.08 min Scan# 778
Delta R.T. 0.01 min
Lab File: VD063418.D
Acq: 7 Aug 2019 12:20

Instrument :
MSVOA_D
ClientSampleId :
VD0807SBSD01

Tot Ion: 88 Resp: 17417
Ion Ratio Lower Upper
88 100
43 42.5 30.7 46.1
58 41.9 56.5 84.7#

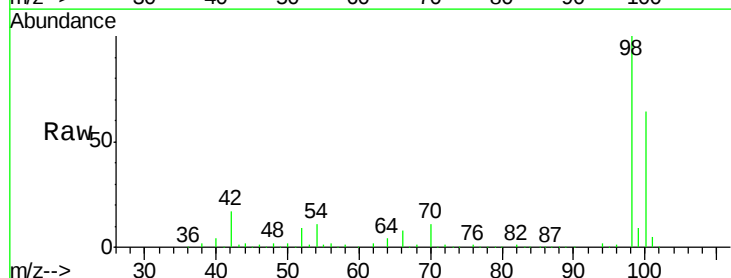


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

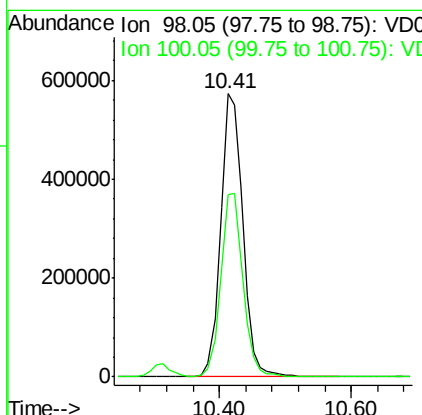
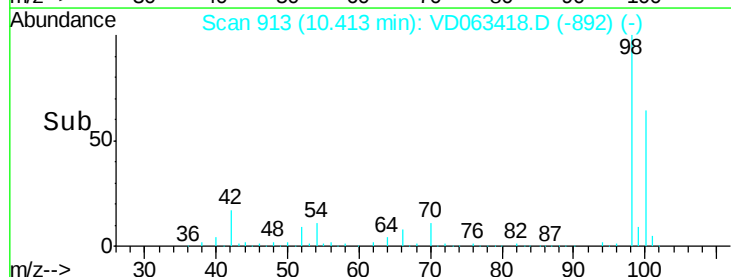


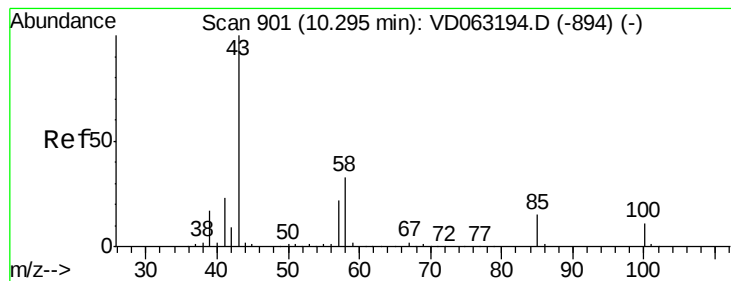
#50
Toluene-d8
Concen: 52.812 ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.01 min
Lab File: VD063418.D
Acq: 7 Aug 2019 12:20

Tgt Ion: 98 Resp: 1342063
Ion Ratio Lower Upper
98 100
100 64.4 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: 111.251 ug/l

RT: 10.31 min Scan# 903

Delta R.T. 0.02 min

Lab File: VD063418.D

Acq: 7 Aug 2019 12:20

Instrument :

MSVOA_D

ClientSampleID :

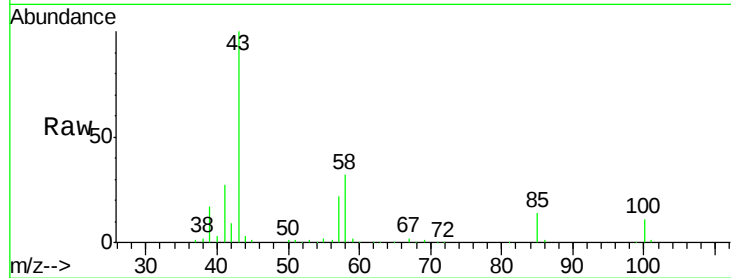
VD0807SBS01

Tot Ion: 43 Resp: 527001

Ion Ratio Lower Upper

43 100

58 32.4 26.2 39.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.31

250000

200000

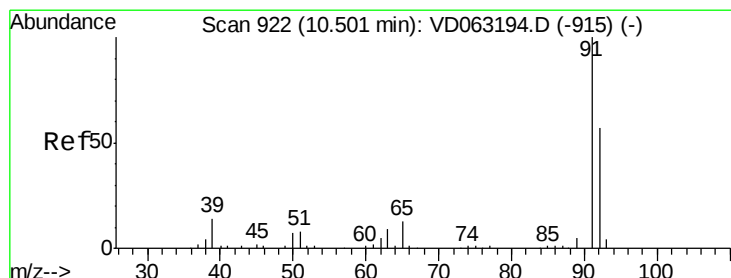
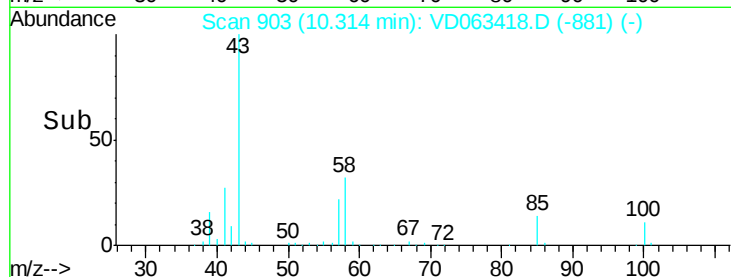
150000

100000

50000

0

Time--> 10.20 10.30 10.40



#52

Toluene

Concen: 20.385 ug/l

RT: 10.52 min Scan# 924

Delta R.T. 0.02 min

Lab File: VD063418.D

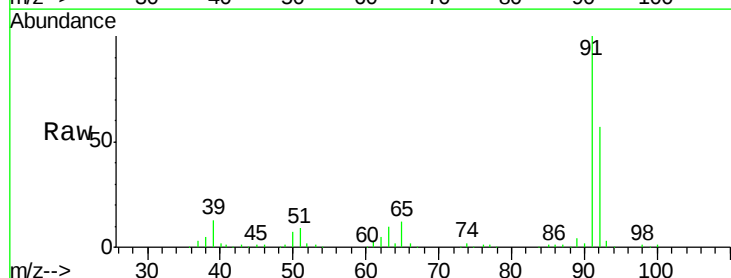
Acq: 7 Aug 2019 12:20

Tgt Ion: 92 Resp: 344882

Ion Ratio Lower Upper

92 100

91 174.4 140.8 211.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.52

300000

250000

200000

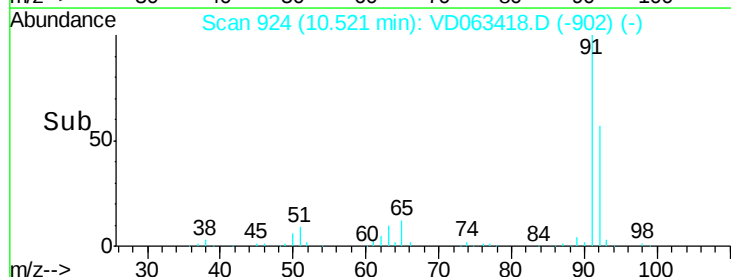
150000

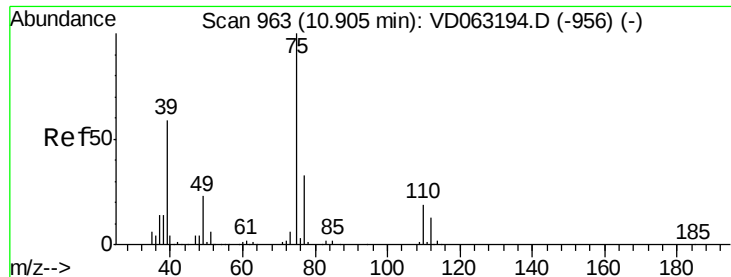
100000

50000

0

Time--> 10.40 10.50 10.60 10.70





#53

t-1,3-Dichloropropene

Concen: 21.231 ug/l

RT: 10.92 min Scan# 965

Delta R.T. 0.02 min

Lab File: VD063418.D

Acq: 7 Aug 2019 12:20

Instrument :

MSVOA_D

ClientSampleId :

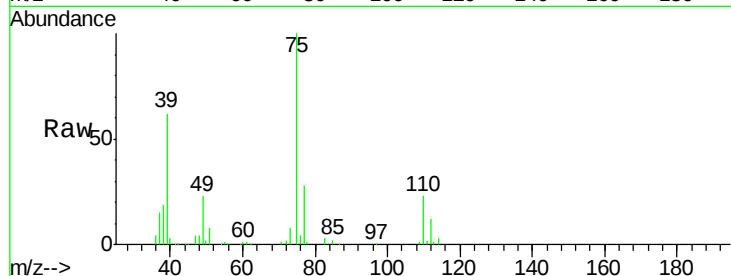
VD0807SBS01

Tot Ion: 75 Resp: 250834

Ion Ratio Lower Upper

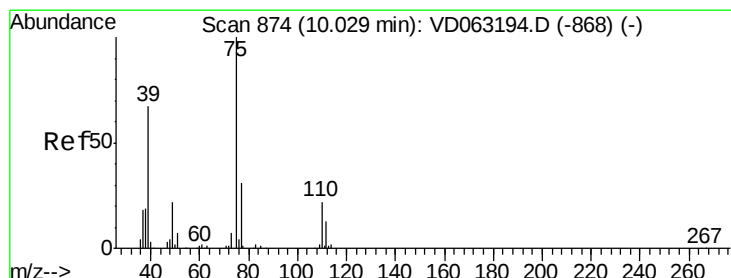
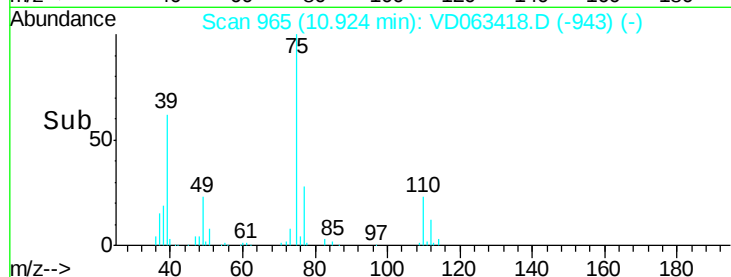
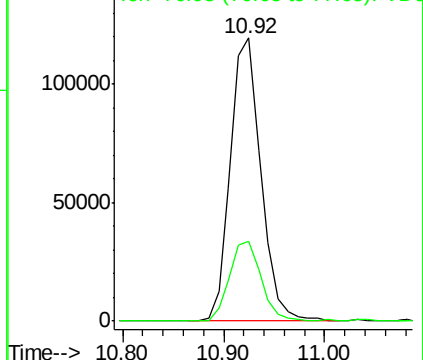
75 100

77 28.2 26.6 40.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 21.357 ug/l

RT: 10.05 min Scan# 876

Delta R.T. 0.02 min

Lab File: VD063418.D

Acq: 7 Aug 2019 12:20

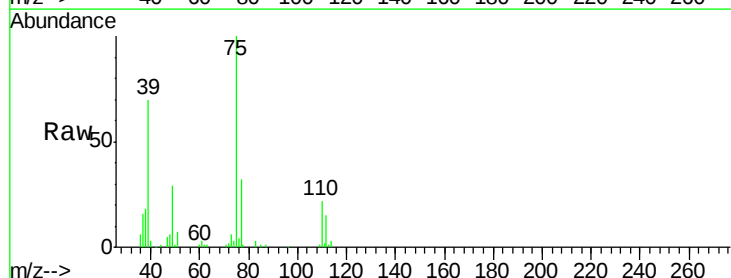
Tgt Ion: 75 Resp: 265187

Ion Ratio Lower Upper

75 100

77 31.5 24.9 37.3

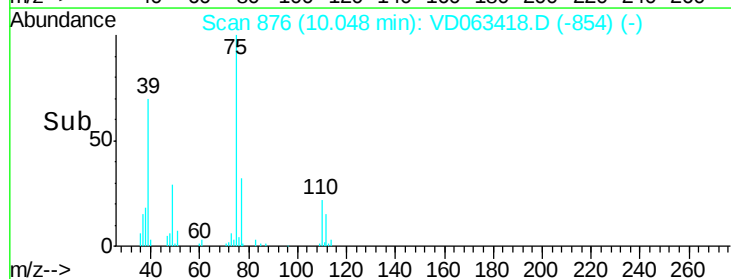
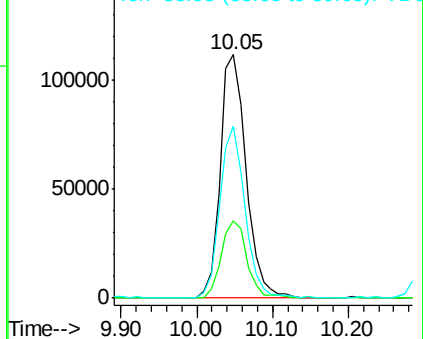
39 70.5 53.9 80.9

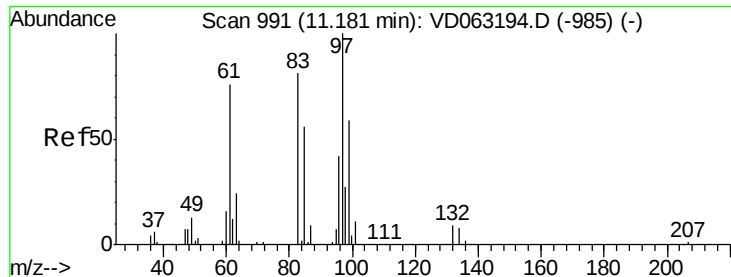


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

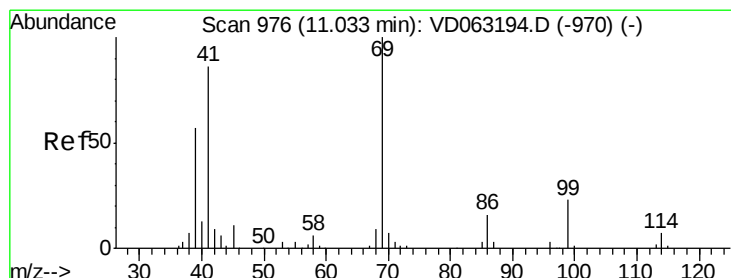
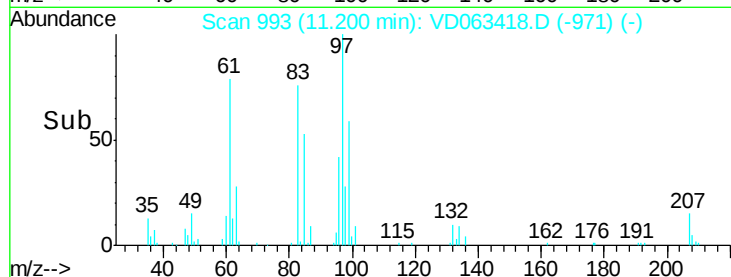
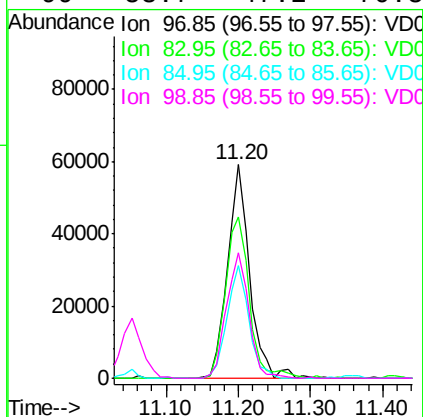
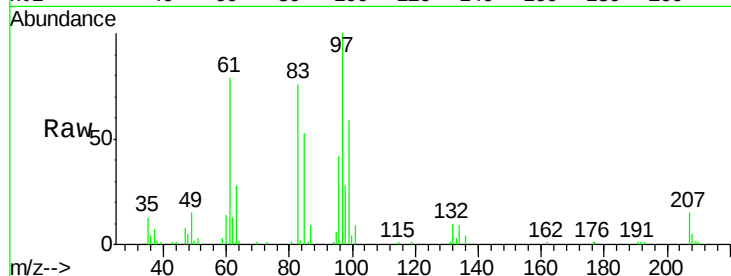




#55
1,1,2-Trichloroethane
Concen: 22.071 ug/l
RT: 11.20 min Scan# 993
Delta R.T. 0.02 min
Lab File: VD063418.D
Acq: 7 Aug 2019 12:20

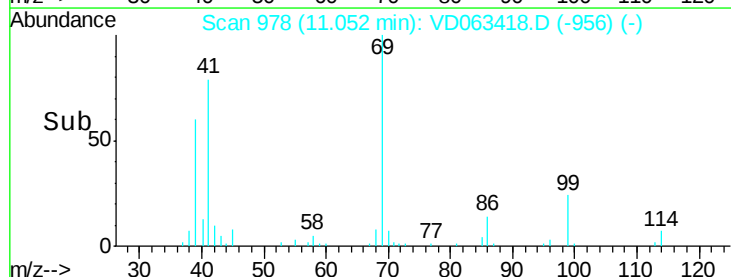
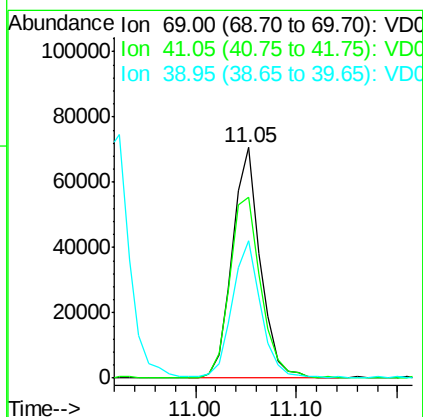
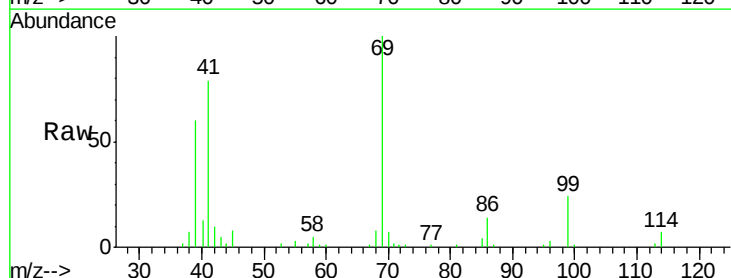
Instrument :
MSVOA_D
ClientSampleId :
VD0807SBSD01

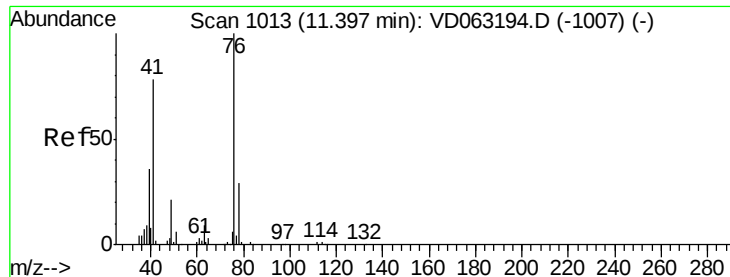
Tot Ion:	97	Resp:	126112
Ion	Ratio	Lower	Upper
97	100		
83	75.6	64.8	97.2
85	52.7	44.9	67.3
99	58.7	47.2	70.8



#56
Ethyl methacrylate
Concen: 21.859 ug/l
RT: 11.05 min Scan# 978
Delta R.T. 0.02 min
Lab File: VD063418.D
Acq: 7 Aug 2019 12:20

Tgt Ion:	69	Resp:	136772
Ion	Ratio	Lower	Upper
69	100		
41	78.6	68.8	103.2
39	59.7	45.8	68.8





#57

1,3-Dichloropropane

Concen: 20.708 ug/l

RT: 11.42 min Scan# 1015

Delta R.T. 0.02 min

Lab File: VD063418.D

Acq: 7 Aug 2019 12:20

Instrument :

MSVOA_D

ClientSampleId :

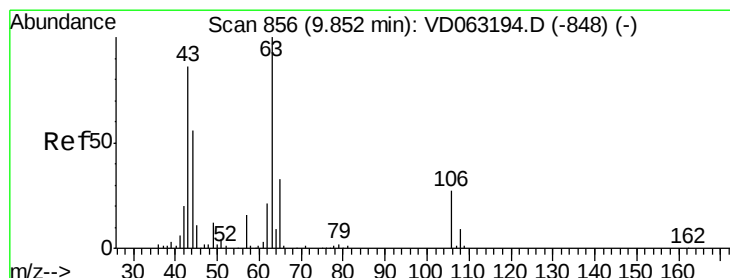
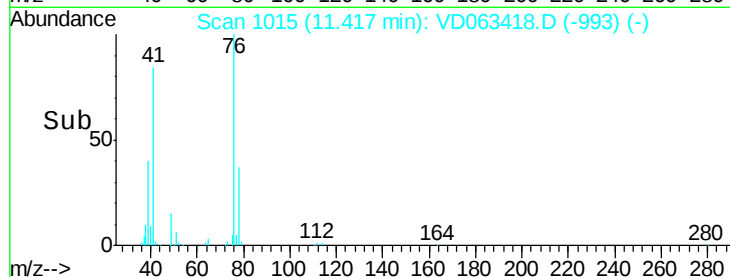
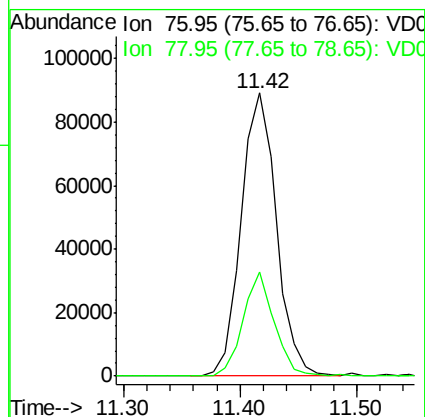
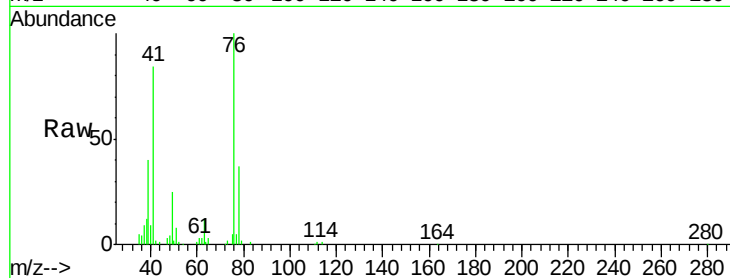
VD0807SBSD01

Tot Ion: 76 Resp: 186433

Ion Ratio Lower Upper

76 100

78 36.9 23.4 35.0#



#58

2-Chloroethyl Vinyl ether

Concen: 104.365 ug/l

RT: 9.86 min Scan# 857

Delta R.T. 0.01 min

Lab File: VD063418.D

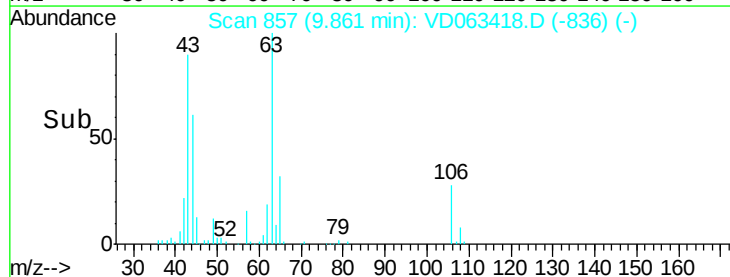
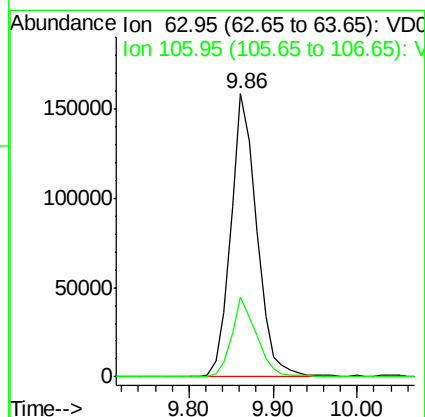
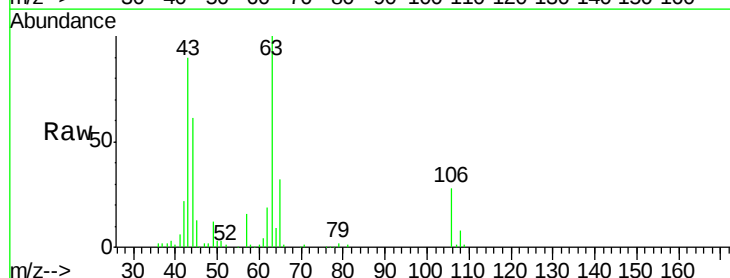
Acq: 7 Aug 2019 12:20

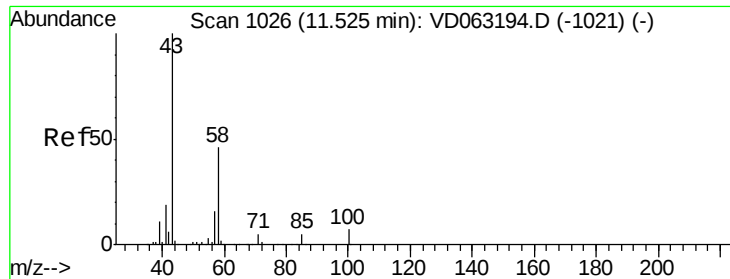
Tgt Ion: 63 Resp: 339787

Ion Ratio Lower Upper

63 100

106 28.0 22.0 33.0





#59

2-Hexanone

Concen: 114.941 ug/l

RT: 11.53 min Scan# 1027

Delta R.T. 0.01 min

Lab File: VD063418.D

Acq: 7 Aug 2019 12:20

Instrument :

MSVOA_D

ClientSampleId :

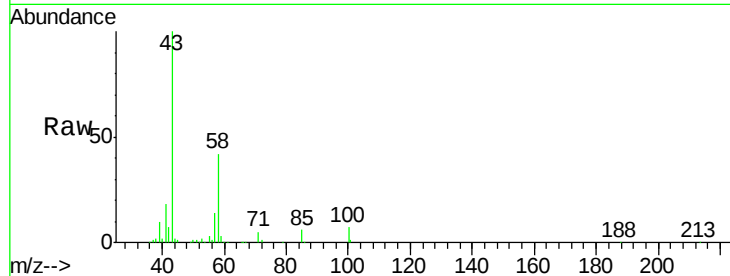
VD0807SBSD01

Tot Ion: 43 Resp: 392375

Ion Ratio Lower Upper

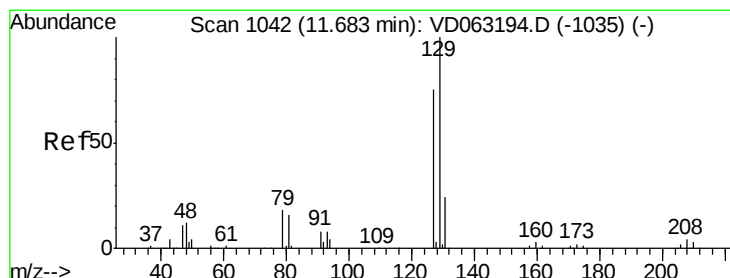
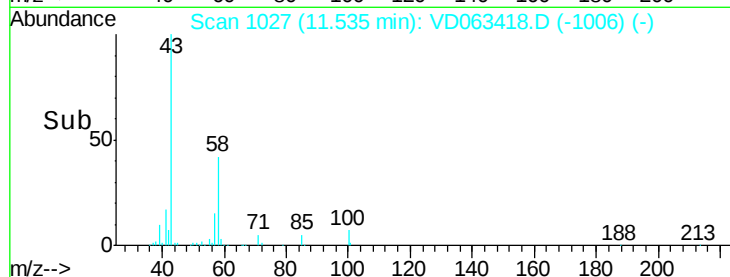
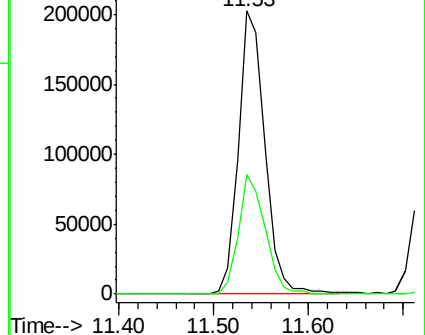
43 100

58 42.2 22.9 68.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#60

Dibromochloromethane

Concen: 21.386 ug/l

RT: 11.69 min Scan# 1043

Delta R.T. 0.01 min

Lab File: VD063418.D

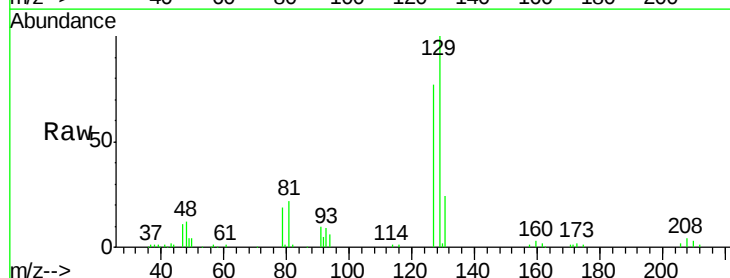
Acq: 7 Aug 2019 12:20

Tgt Ion:129 Resp: 230690

Ion Ratio Lower Upper

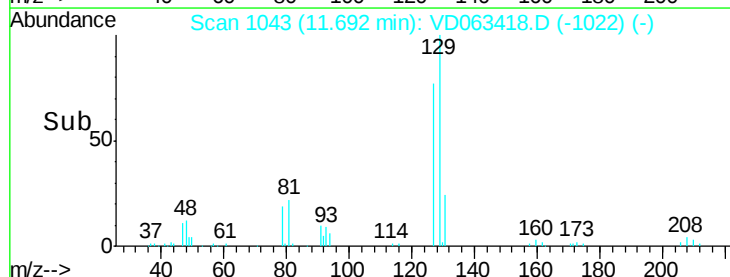
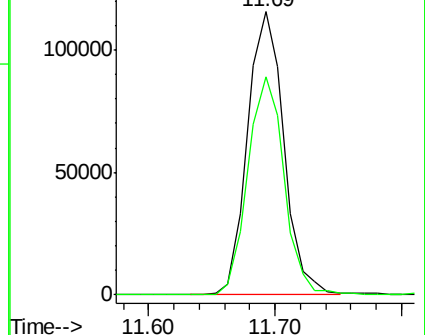
129 100

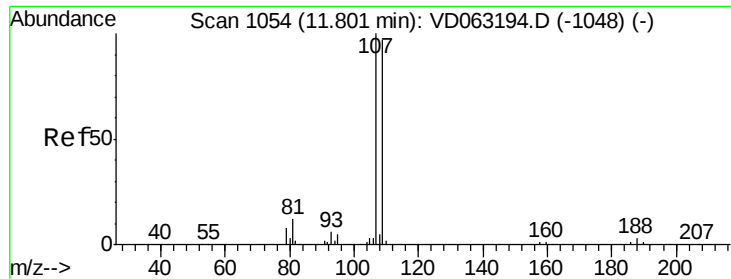
127 77.0 37.6 112.8



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

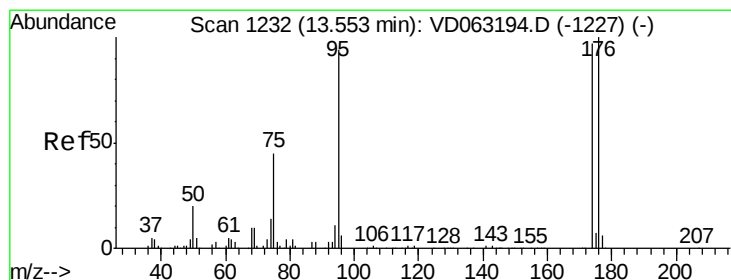
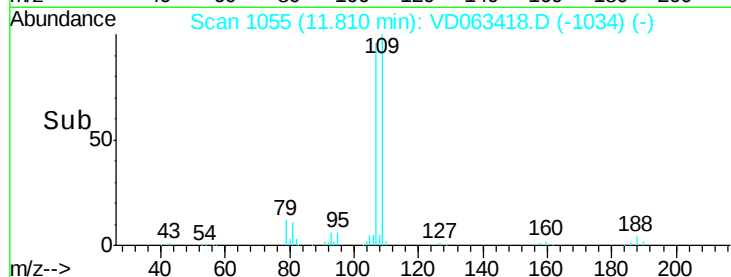
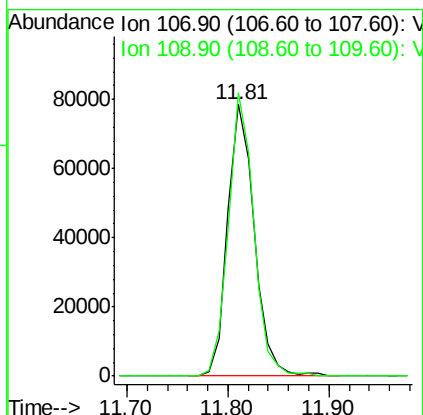
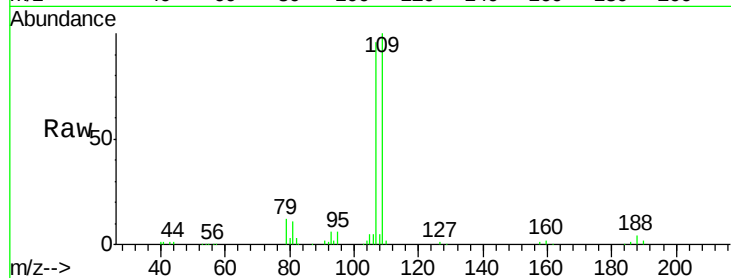




#61
 1,2-Dibromoethane
 Concen: 20.426 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. 0.01 min
 Lab File: VD063418.D
 Acq: 7 Aug 2019 12:20

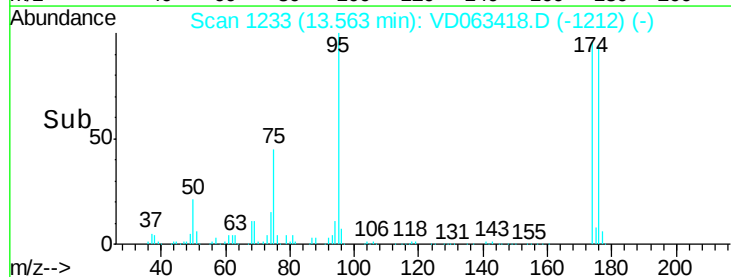
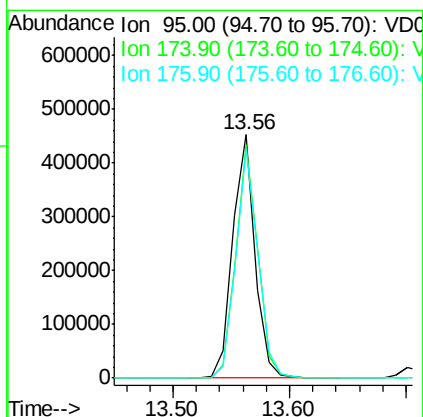
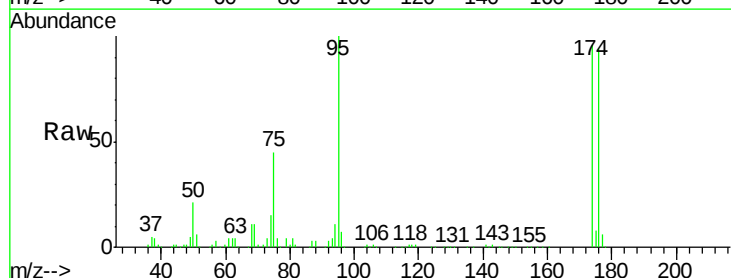
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0807SBS01

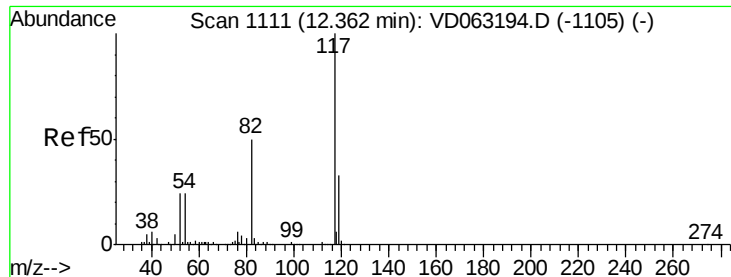
Tot Ion:107 Resp: 144019
 Ion Ratio Lower Upper
 107 100
 109 104.3 77.5 116.3



#62
 4-Bromofluorobenzene
 Concen: 51.509 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD063418.D
 Acq: 7 Aug 2019 12:20

Tgt Ion: 95 Resp: 596484
 Ion Ratio Lower Upper
 95 100
 174 96.0 0.0 205.4
 176 94.1 0.0 211.8

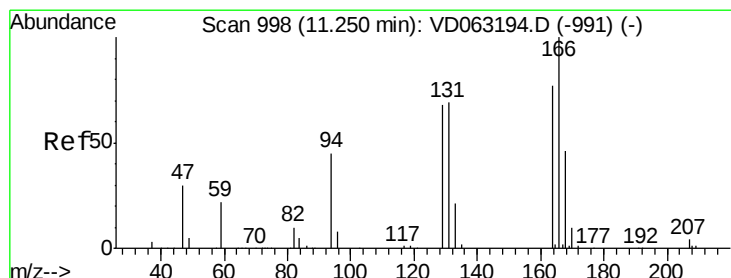
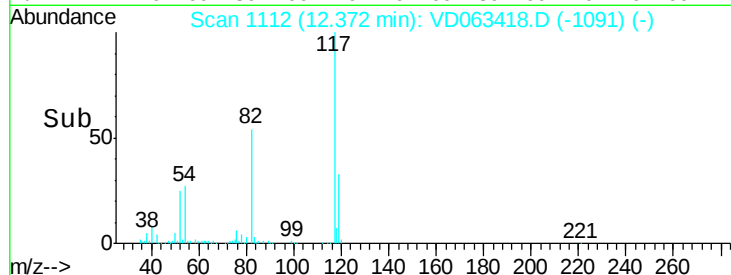
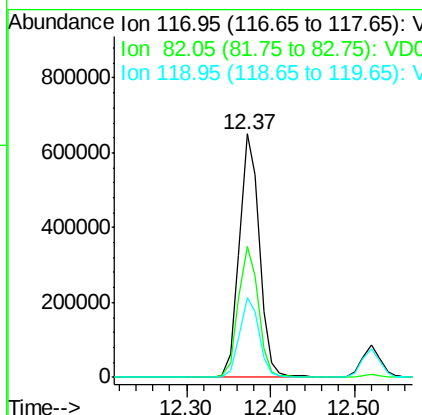
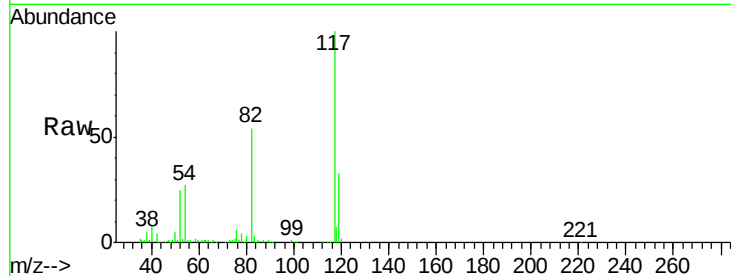




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD063418.D
Acq: 7 Aug 2019 12:20

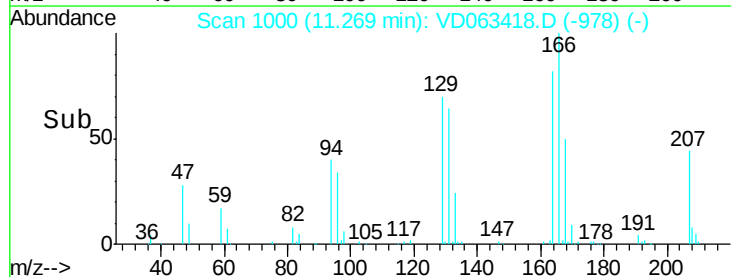
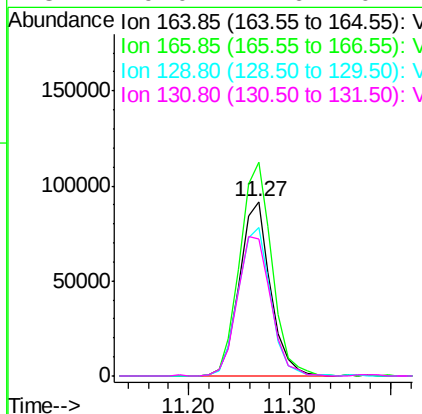
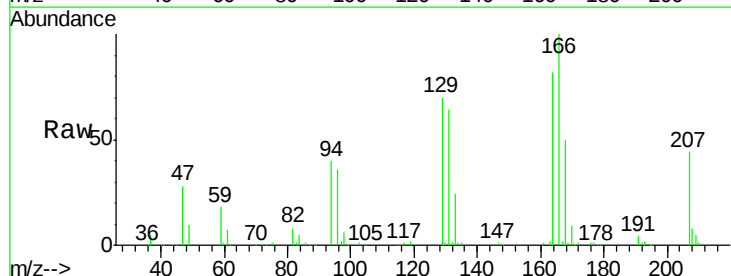
Instrument :
MSVOA_D
ClientSampleId :
VD0807SBSD01

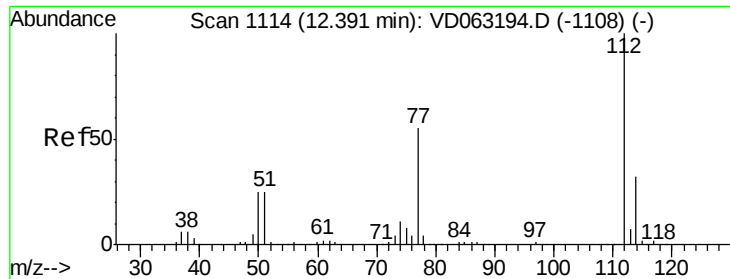
Tot Ion:117 Resp: 1078225
Ion Ratio Lower Upper
117 100
82 53.8 40.1 60.1
119 32.9 26.5 39.7



#64
Tetrachloroethene
Concen: 22.926 ug/l
RT: 11.27 min Scan# 1000
Delta R.T. 0.02 min
Lab File: VD063418.D
Acq: 7 Aug 2019 12:20

Tgt Ion:164 Resp: 196926
Ion Ratio Lower Upper
164 100
166 122.5 104.3 156.5
129 85.2 70.9 106.3
131 79.0 71.6 107.4

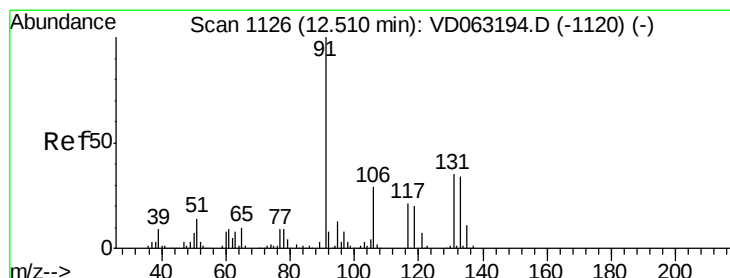
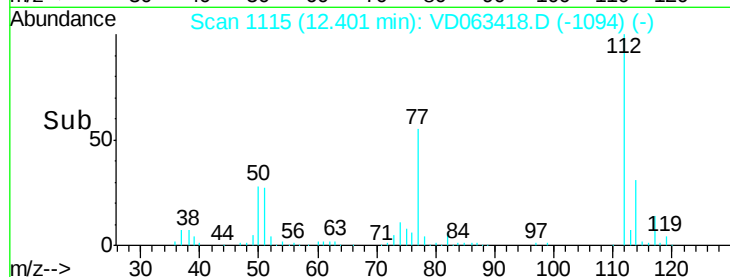
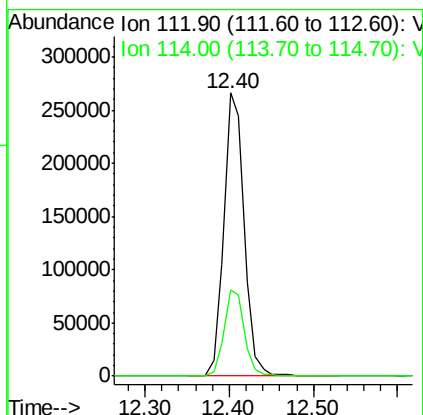
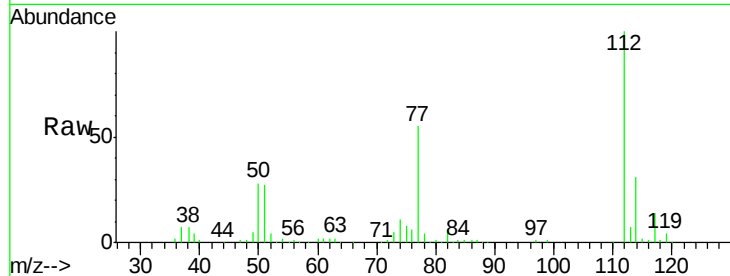




#65
Chlorobenzene
Concen: 21.352 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. 0.01 min
Lab File: VD063418.D
Acq: 7 Aug 2019 12:20

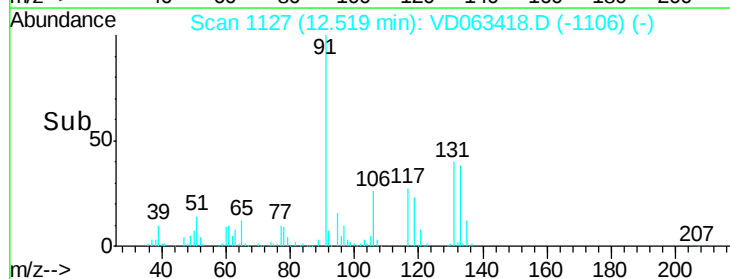
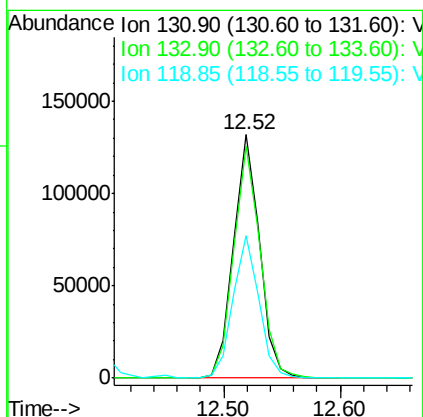
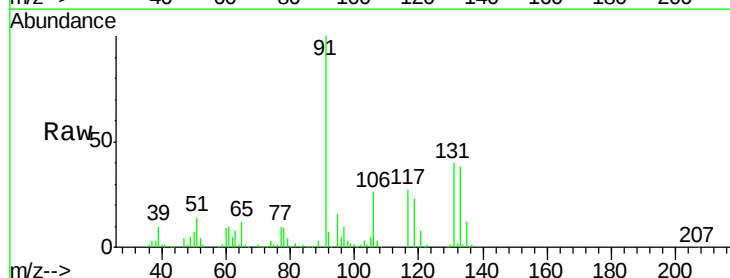
Instrument :
MSVOA_D
ClientSampleId :
VD0807SBSD01

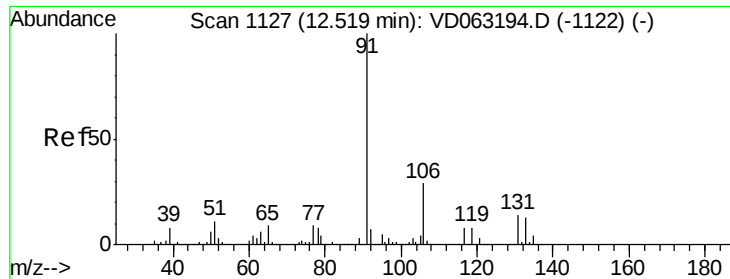
Tot Ion:112 Resp: 442829
Ion Ratio Lower Upper
112 100
114 30.6 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 22.423 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD063418.D
Acq: 7 Aug 2019 12:20

Tgt Ion:131 Resp: 204841
Ion Ratio Lower Upper
131 100
133 95.2 48.4 145.2
119 58.3 29.1 87.3

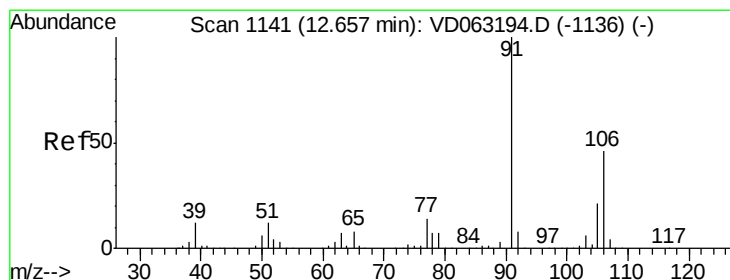
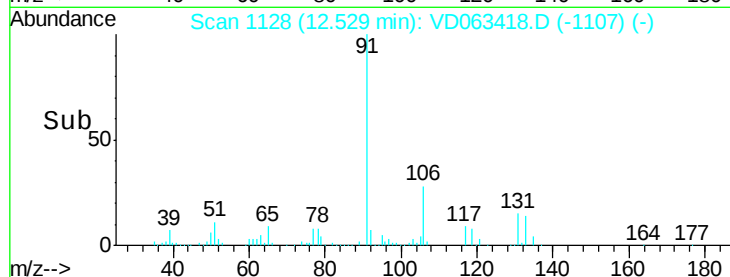
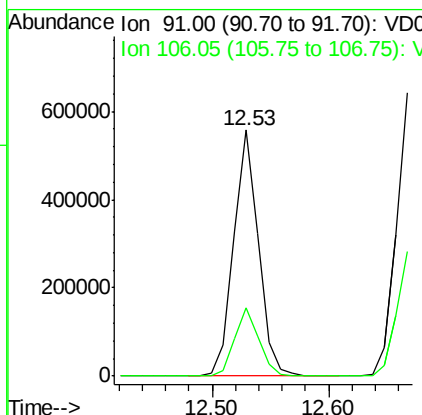
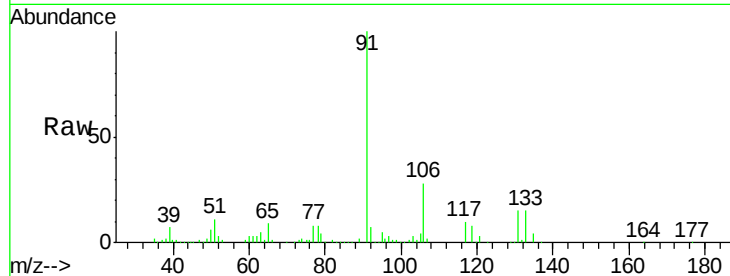




#67
Ethyl Benzene
Concen: 23.310 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VD063418.D
Acq: 7 Aug 2019 12:20

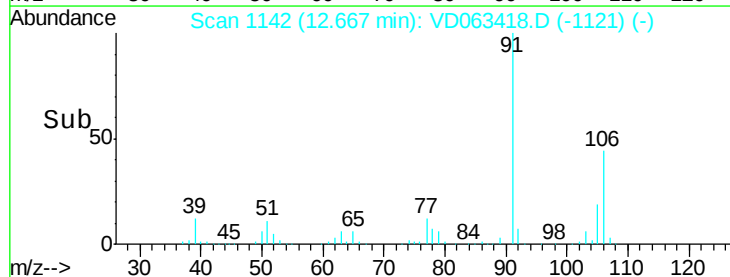
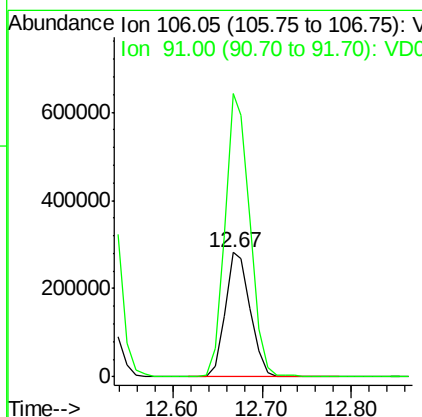
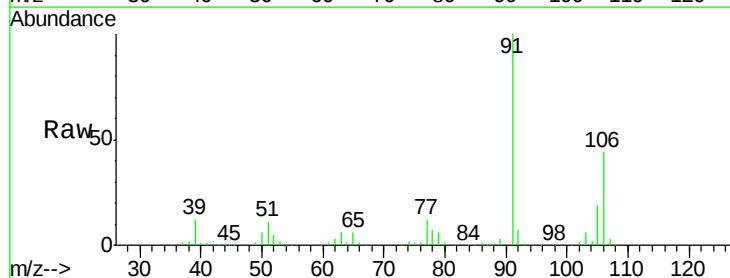
Instrument :
MSVOA_D
ClientSampleId :
VD0807SBSD01

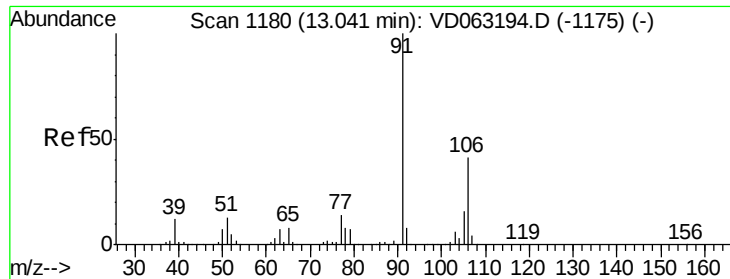
Tot Ion: 91 Resp: 821232
Ion Ratio Lower Upper
91 100
106 27.6 22.9 34.3



#68
m/p-Xylenes
Concen: 43.249 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. 0.01 min
Lab File: VD063418.D
Acq: 7 Aug 2019 12:20

Tgt Ion: 106 Resp: 558787
Ion Ratio Lower Upper
106 100
91 228.0 172.6 259.0

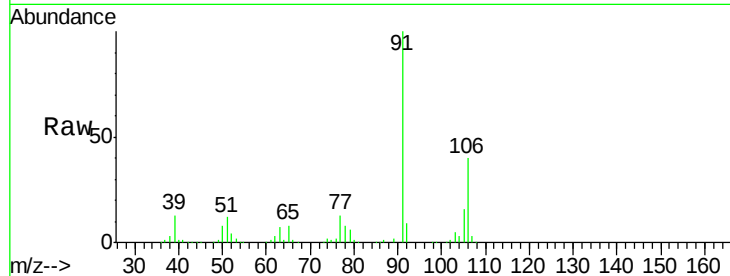




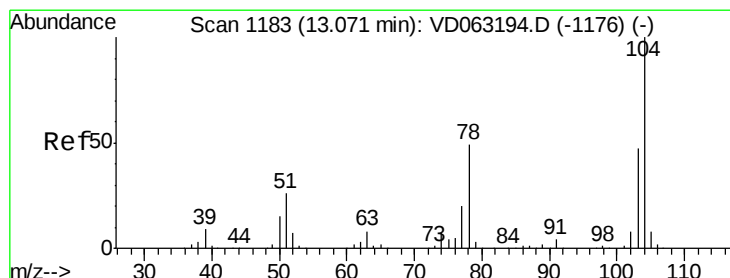
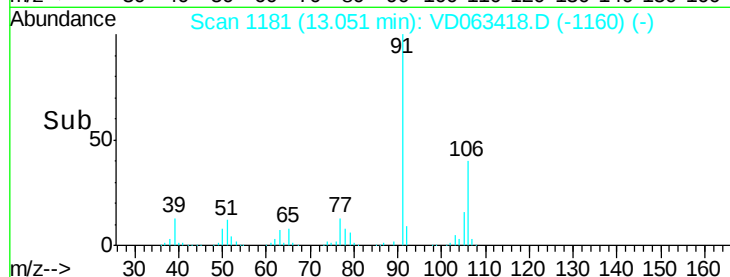
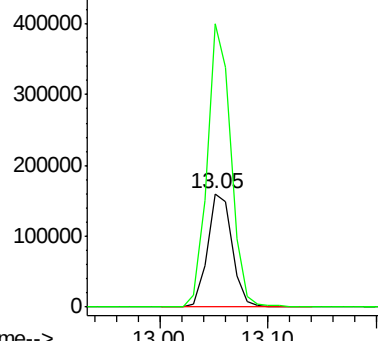
#69
o-Xylene
Concen: 21.371 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.01 min
Lab File: VD063418.D
Acq: 7 Aug 2019 12:20

Instrument :
MSVOA_D
ClientSampleId :
VD0807SBSD01

Tot Ion:106 Resp: 253562
Ion Ratio Lower Upper
106 100
91 249.3 121.3 363.9

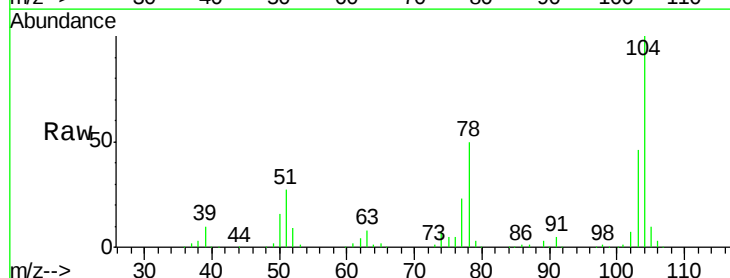


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

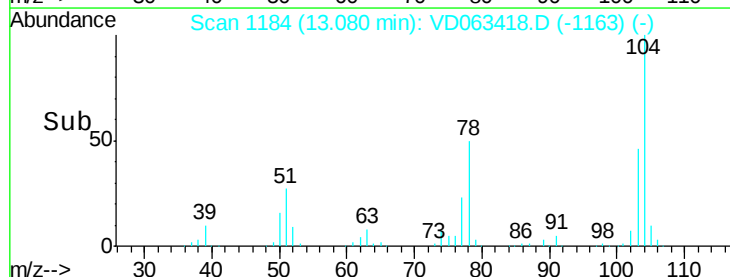
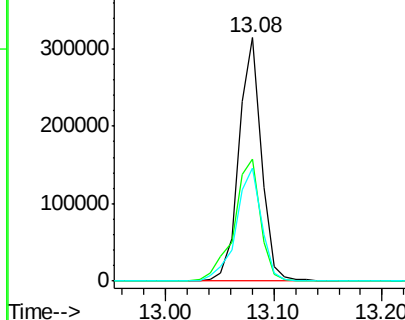


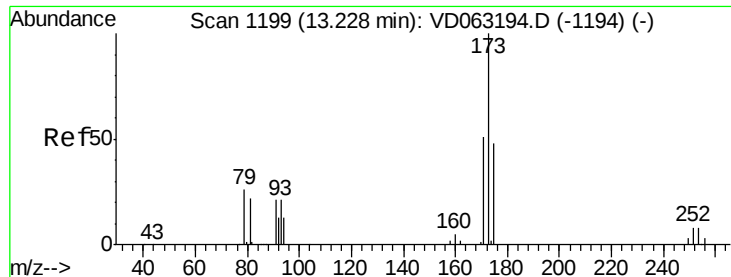
#70
Styrene
Concen: 21.439 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VD063418.D
Acq: 7 Aug 2019 12:20

Tgt Ion:104 Resp: 451111
Ion Ratio Lower Upper
104 100
78 50.3 39.4 59.0
103 46.3 37.4 56.2



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

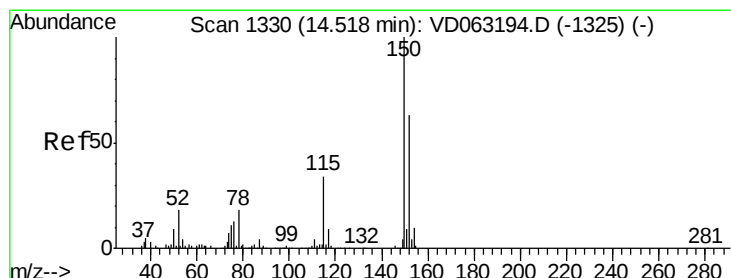
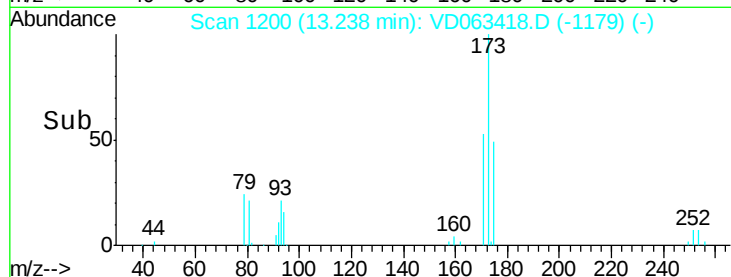
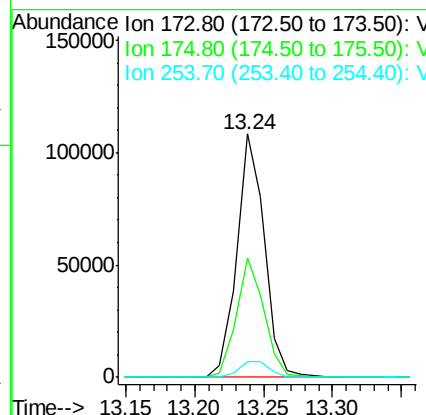
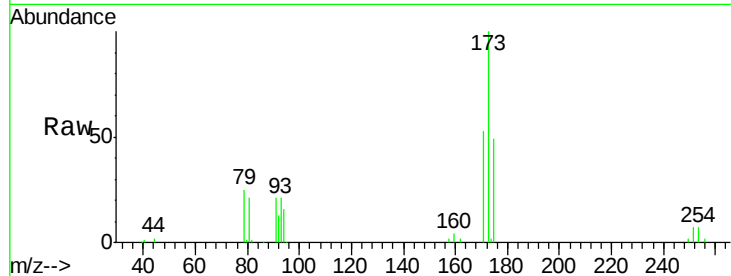




#71
Bromoform
Concen: 22.662 ug/l
RT: 13.24 min Scan# 1200
Delta R.T. 0.01 min
Lab File: VD063418.D
Acq: 7 Aug 2019 12:20

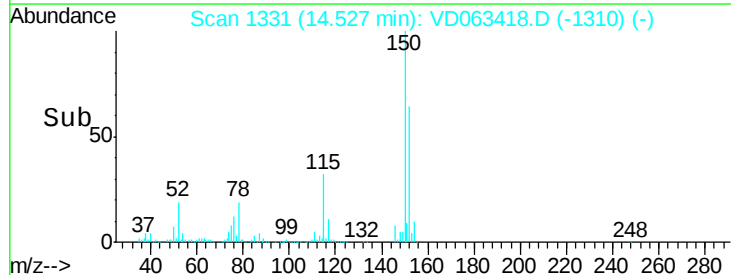
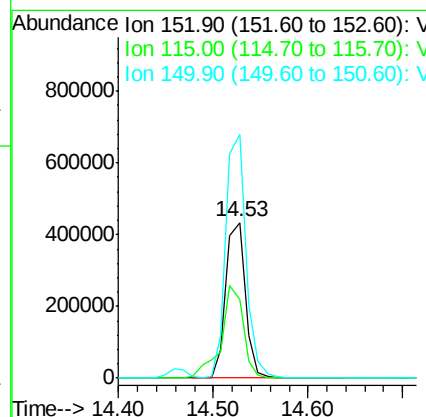
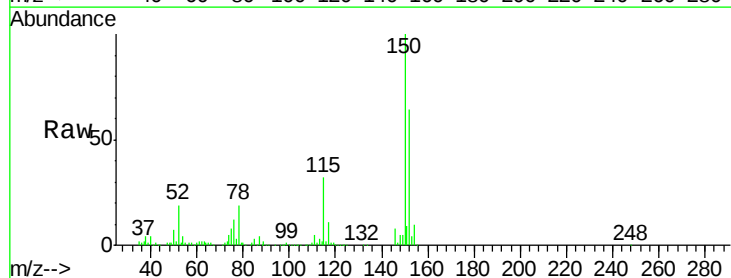
Instrument :
MSVOA_D
ClientSampleId :
VD0807SBSD01

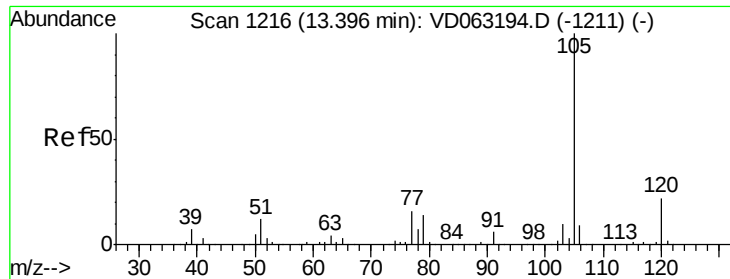
Tot Ion:173 Resp: 150555
Ion Ratio Lower Upper
173 100
175 49.0 23.8 71.5
254 6.6 6.6 10.0#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.53 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD063418.D
Acq: 7 Aug 2019 12:20

Tgt Ion:152 Resp: 627005
Ion Ratio Lower Upper
152 100
115 50.7 27.5 82.4
150 156.5 0.0 320.6





#73

Isopropylbenzene

Concen: 20.794 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. 0.01 min

Lab File: VD063418.D

Acq: 7 Aug 2019 12:20

Instrument :

MSVOA_D

ClientSampleId :

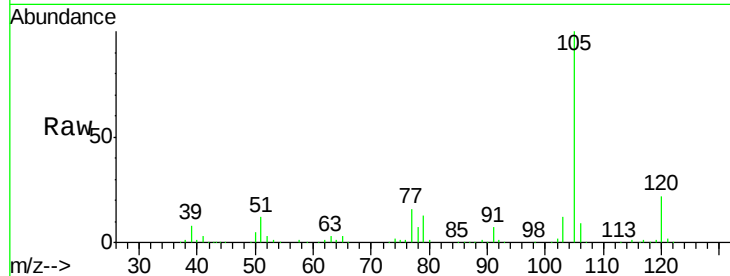
VD0807SBSD01

Tot Ion:105 Resp: 818290

Ion Ratio Lower Upper

105 100

120 21.8 11.1 33.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.41

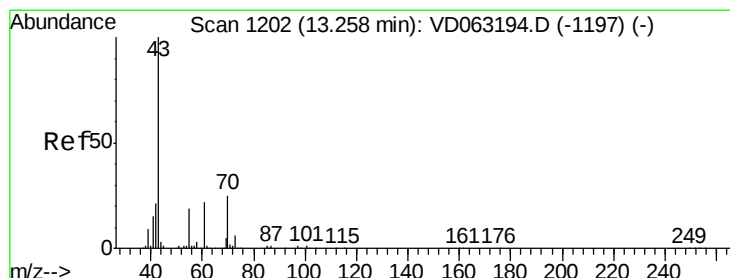
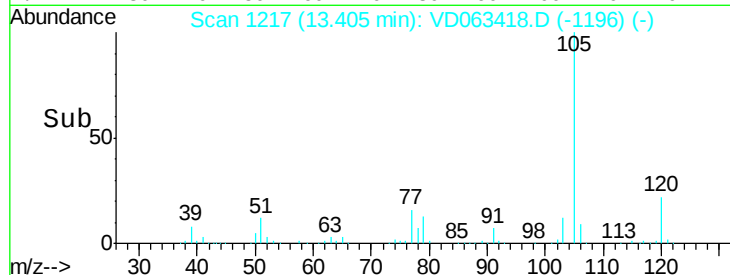
600000

400000

200000

0

Time--> 13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 20.781 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.01 min

Lab File: VD063418.D

Acq: 7 Aug 2019 12:20

Tgt Ion: 43 Resp: 216190

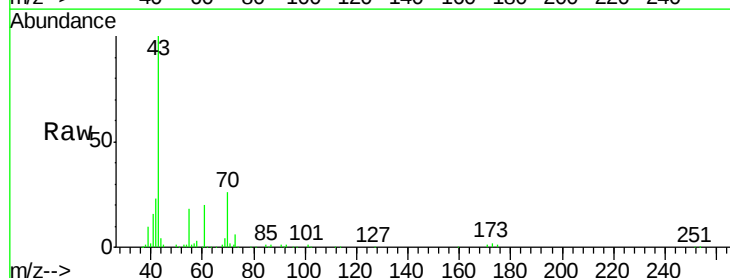
Ion Ratio Lower Upper

43 100

70 25.9 20.2 30.4

55 17.6 14.9 22.3

61 20.5 17.9 26.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC

250000

200000

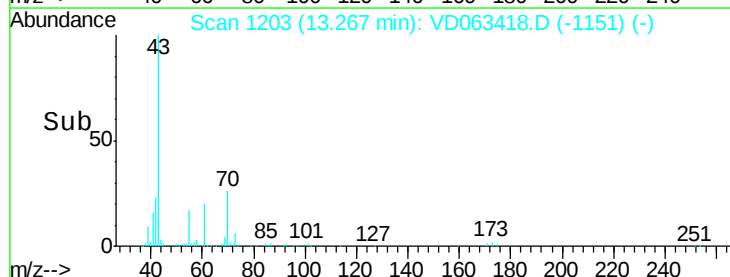
150000

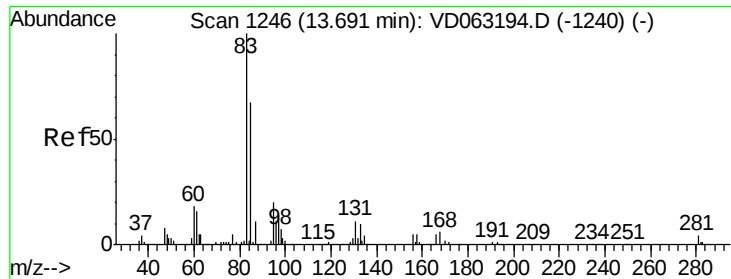
100000

50000

0

Time--> 13.20 13.30





#75

1,1,2,2-Tetrachloroethane

Concen: 22.307 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.01 min

Lab File: VD063418.D

Acq: 7 Aug 2019 12:20

Instrument :

MSVOA_D

ClientSampleId :

VD0807SBSD01

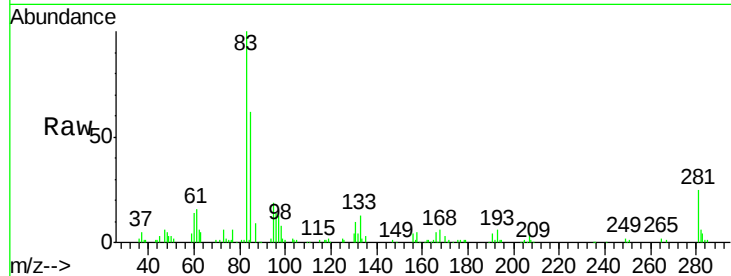
Tot Ion: 83 Resp: 149117

Ion Ratio Lower Upper

83 100

131 9.5 5.5 16.7

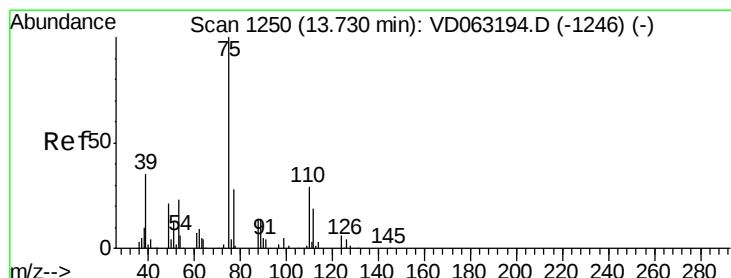
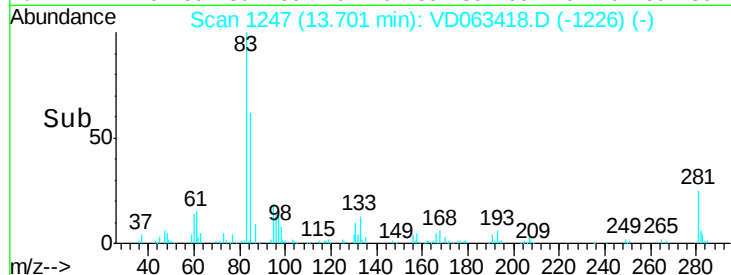
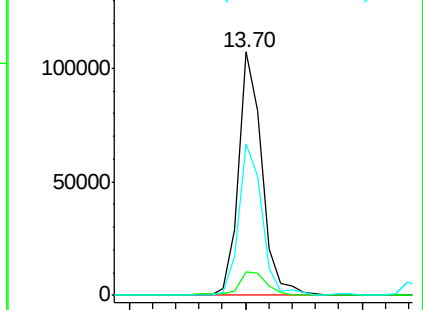
85 62.0 33.7 101.1



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: 20.500 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.01 min

Lab File: VD063418.D

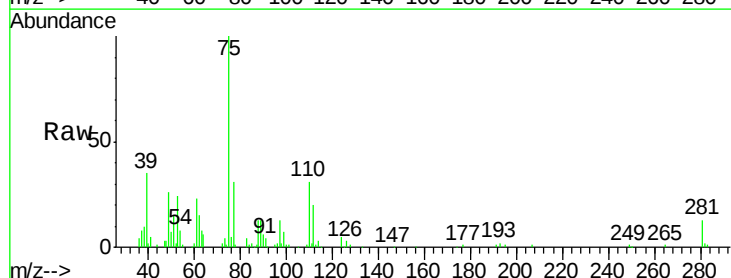
Acq: 7 Aug 2019 12:20

Tgt Ion: 75 Resp: 154386

Ion Ratio Lower Upper

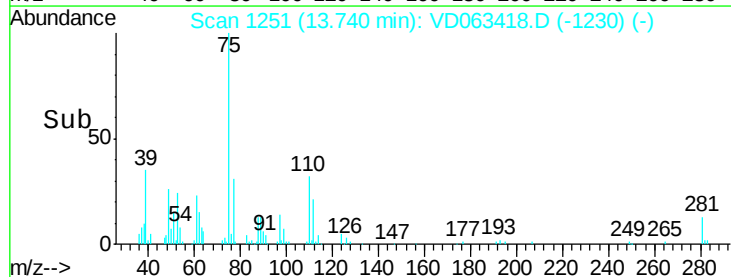
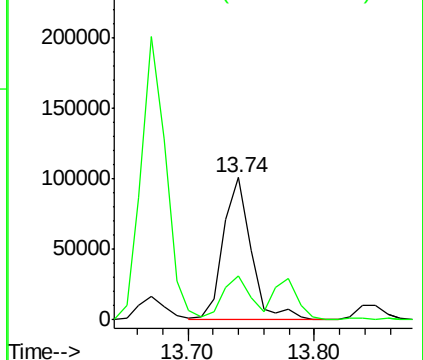
75 100

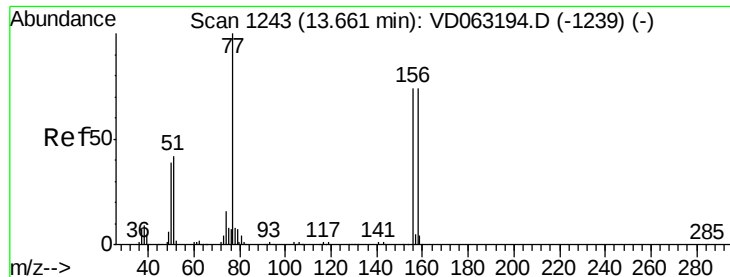
77 30.7 16.0 48.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 20.668 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.01 min

Lab File: VD063418.D

Acq: 7 Aug 2019 12:20

Instrument :

MSVOA_D

ClientSampleId :

VD0807SBSD01

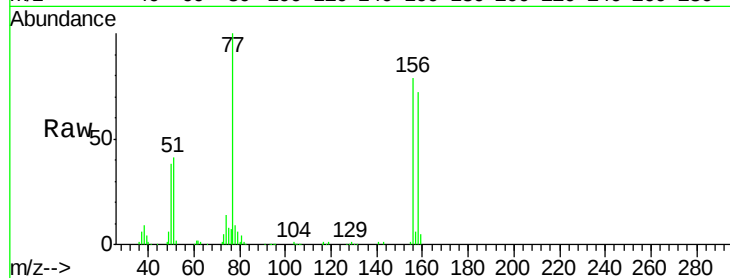
Tot Ion:156 Resp: 231694

Ion Ratio Lower Upper

156 100

77 126.2 67.6 202.8

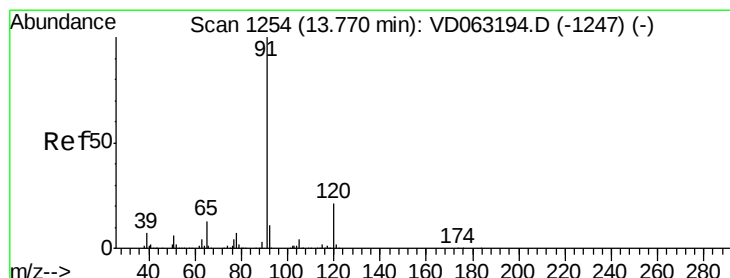
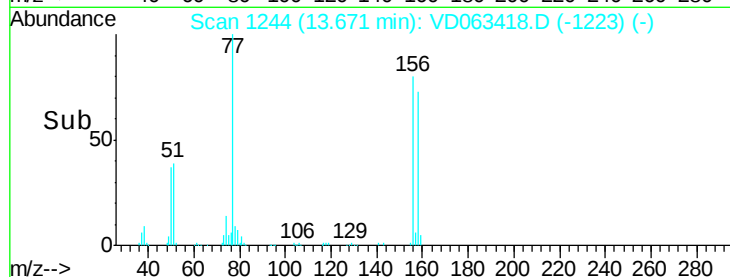
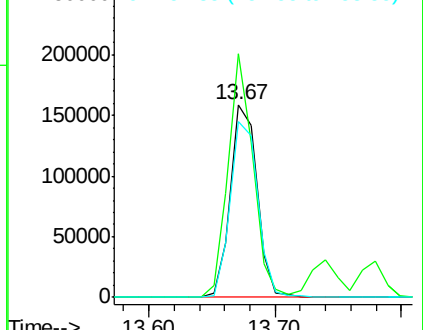
158 91.2 49.8 149.4



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: 21.356 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VD063418.D

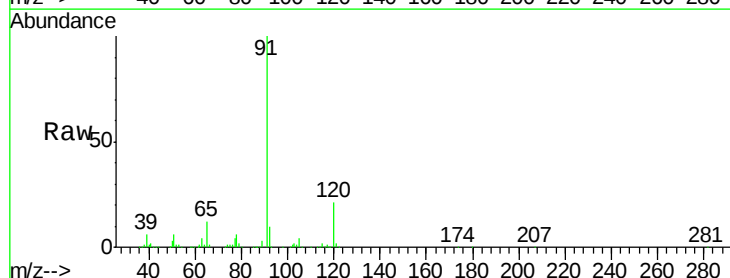
Acq: 7 Aug 2019 12:20

Tgt Ion: 91 Resp: 1000116

Ion Ratio Lower Upper

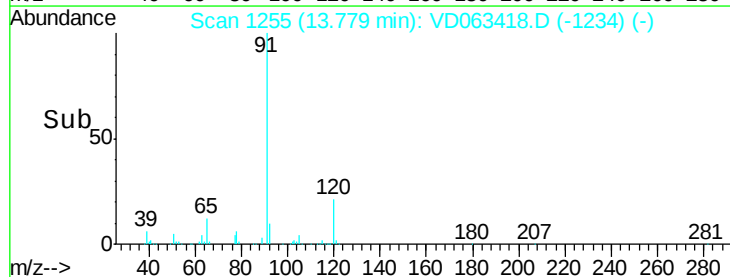
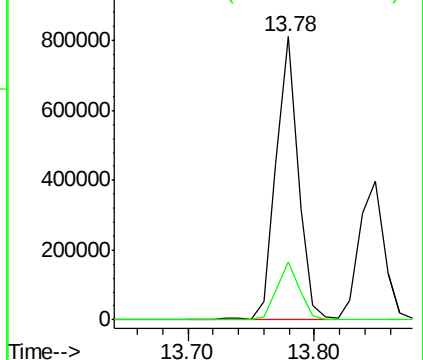
91 100

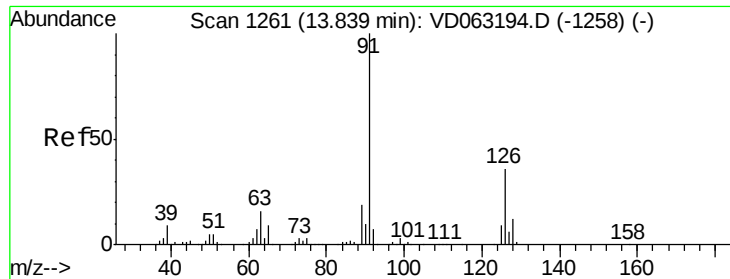
120 20.6 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 19.986 ug/l

RT: 13.85 min Scan# 1262

Delta R.T. 0.01 min

Lab File: VD063418.D

Acq: 7 Aug 2019 12:20

Instrument :

MSVOA_D

ClientSampleId :

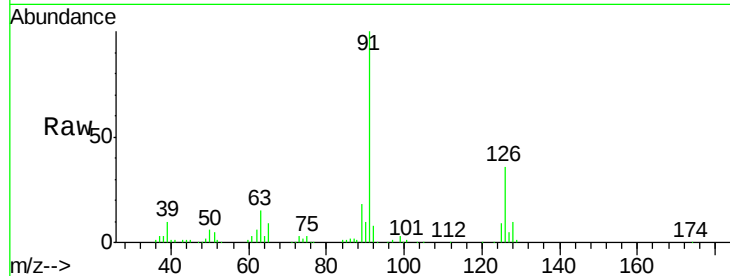
VD0807SBSD01

Tot Ion: 91 Resp: 542319

Ion Ratio Lower Upper

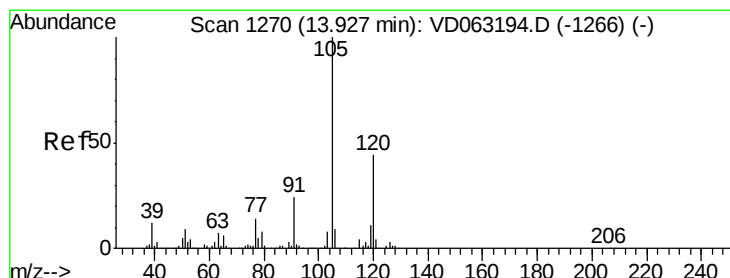
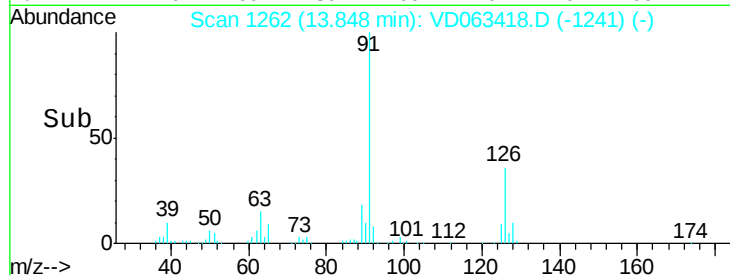
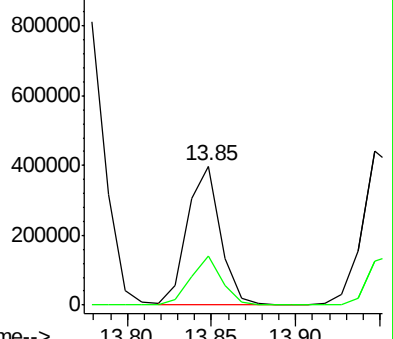
91 100

126 35.8 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: 21.376 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. 0.01 min

Lab File: VD063418.D

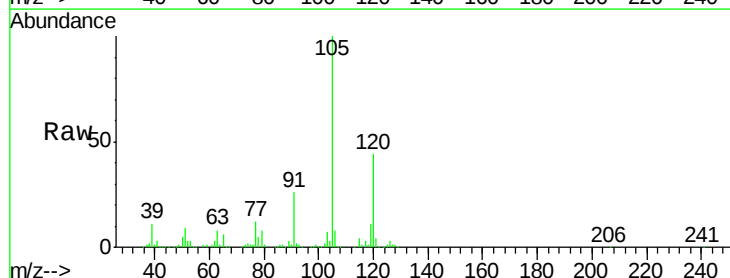
Acq: 7 Aug 2019 12:20

Tgt Ion:105 Resp: 725536

Ion Ratio Lower Upper

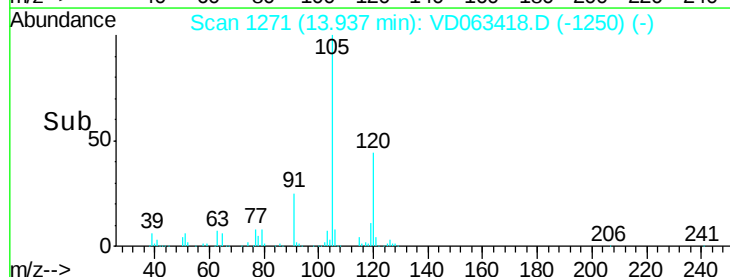
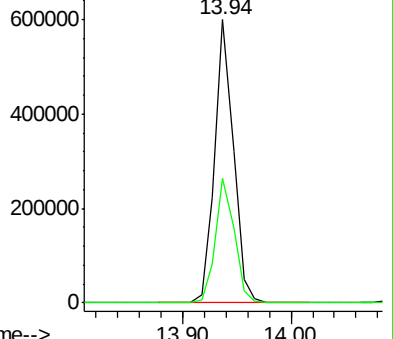
105 100

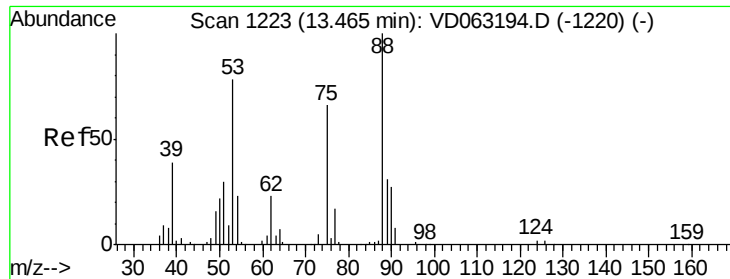
120 44.0 22.1 66.1



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: 20.044 ug/l

RT: 13.47 min Scan# 1224

Delta R.T. 0.01 min

Lab File: VD063418.D

Acq: 7 Aug 2019 12:20

Instrument :

MSVOA_D

ClientSampleId :

VD0807SBS01

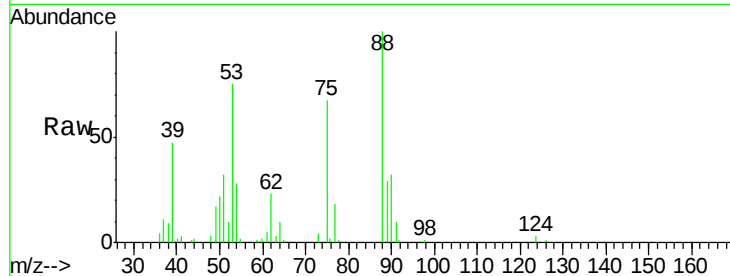
Tot Ion: 75 Resp: 41916

Ion Ratio Lower Upper

75 100

53 111.7 94.9 142.3

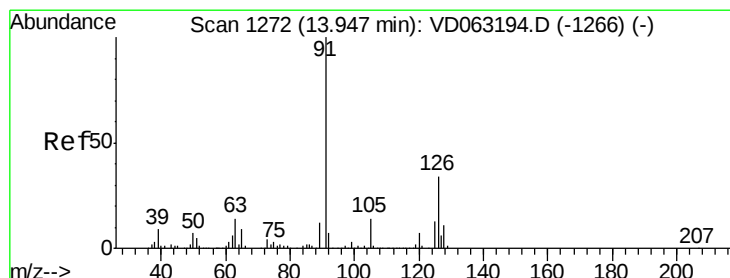
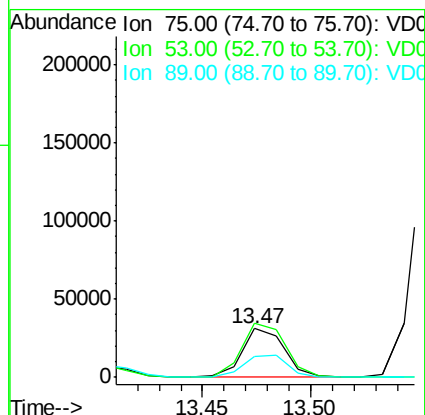
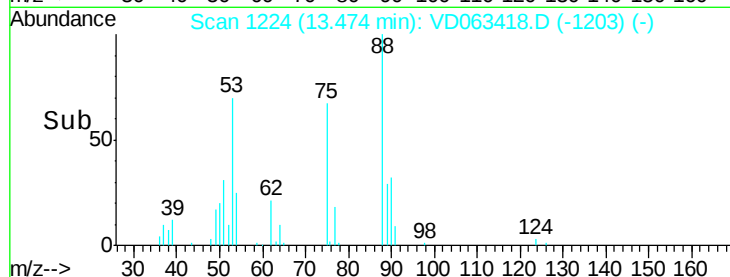
89 43.6 37.4 56.0



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: 21.336 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VD063418.D

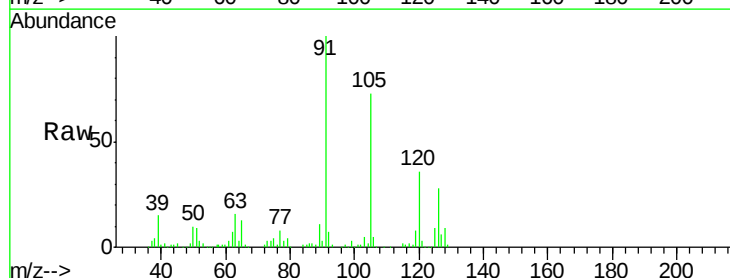
Acq: 7 Aug 2019 12:20

Tgt Ion: 91 Resp: 681366

Ion Ratio Lower Upper

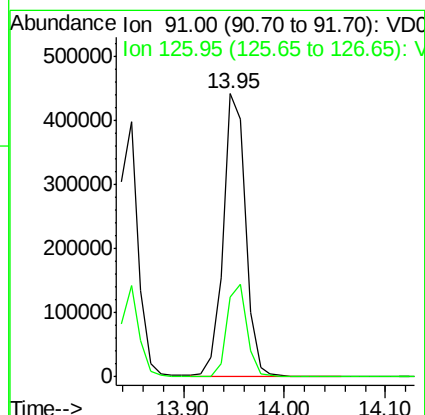
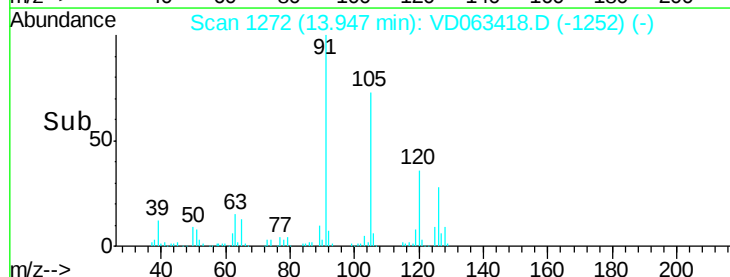
91 100

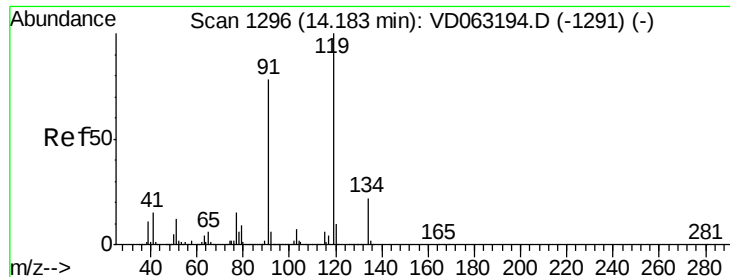
126 28.2 17.1 51.2



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V





#83

tert-Butylbenzene

Concen: 20.978 ug/l

RT: 14.19 min Scan# 1297

Delta R.T. 0.01 min

Lab File: VD063418.D

Acq: 7 Aug 2019 12:20

Instrument :

MSVOA_D

ClientSampleId :

VD0807SBS01

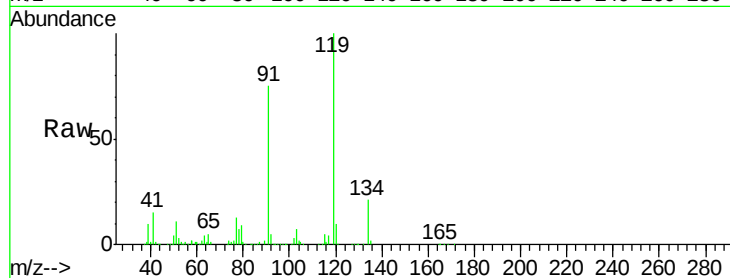
Tot Ion:119 Resp: 812984

Ion Ratio Lower Upper

119 100

91 74.7 39.1 117.5

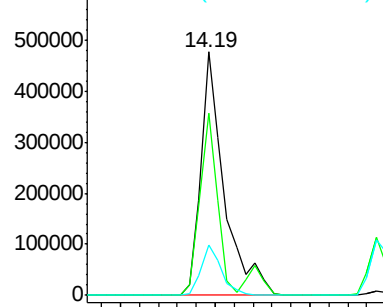
134 20.7 10.9 32.6



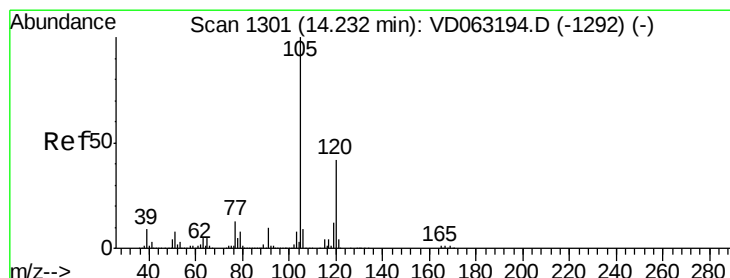
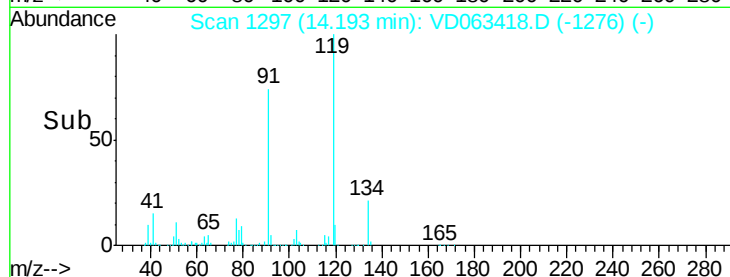
Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#84

1,2,4-Trimethylbenzene

Concen: 19.799 ug/l

RT: 14.24 min Scan# 1302

Delta R.T. 0.01 min

Lab File: VD063418.D

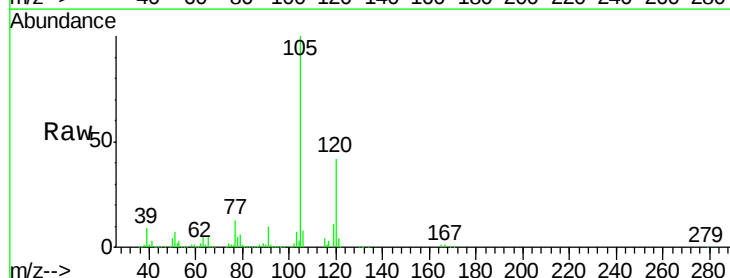
Acq: 7 Aug 2019 12:20

Tgt Ion:105 Resp: 695073

Ion Ratio Lower Upper

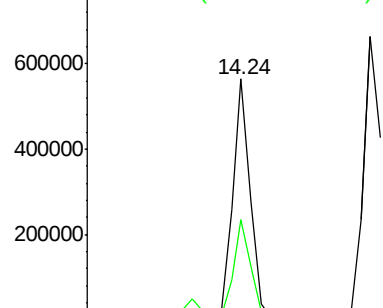
105 100

120 41.9 20.9 62.7

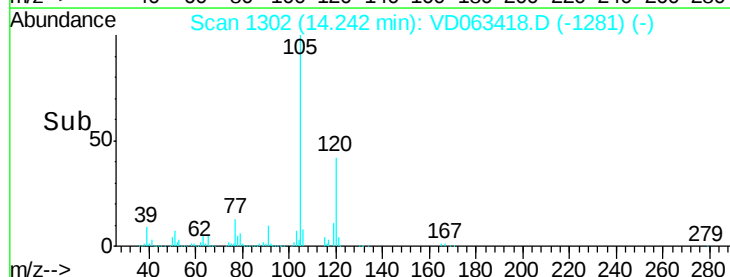


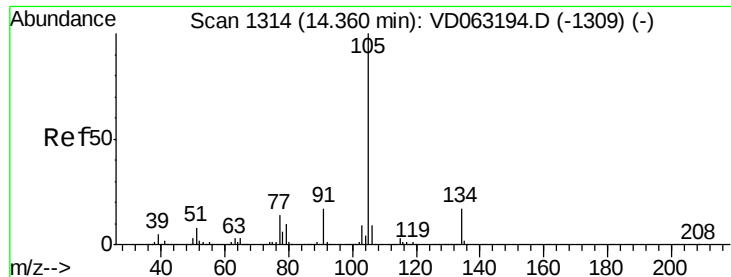
Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



Time-->





#85

sec-Butylbenzene

Concen: 20.742 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. 0.01 min

Lab File: VD063418.D

Acq: 7 Aug 2019 12:20

Instrument :

MSVOA_D

ClientSampleId :

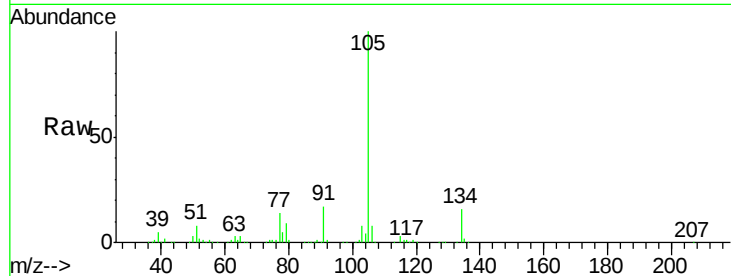
VD0807SBS01

Tot Ion:105 Resp: 846918

Ion Ratio Lower Upper

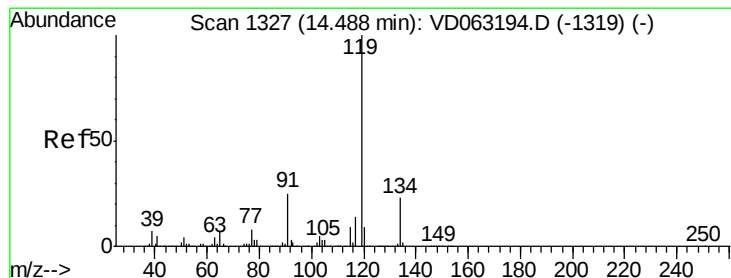
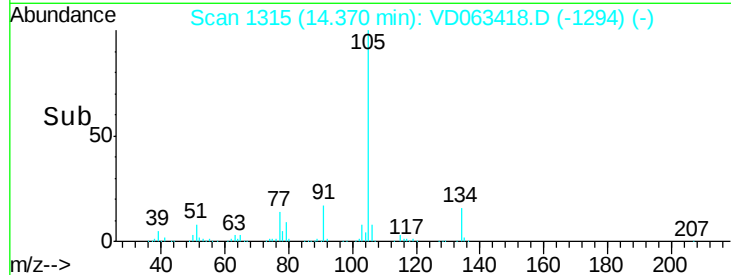
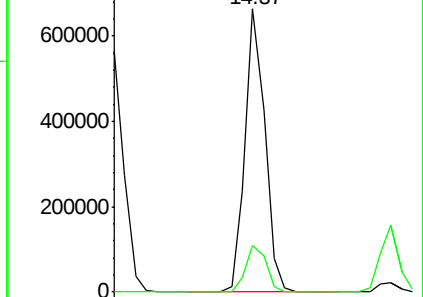
105 100

134 16.4 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: 20.771 ug/l

RT: 14.50 min Scan# 1328

Delta R.T. 0.01 min

Lab File: VD063418.D

Acq: 7 Aug 2019 12:20

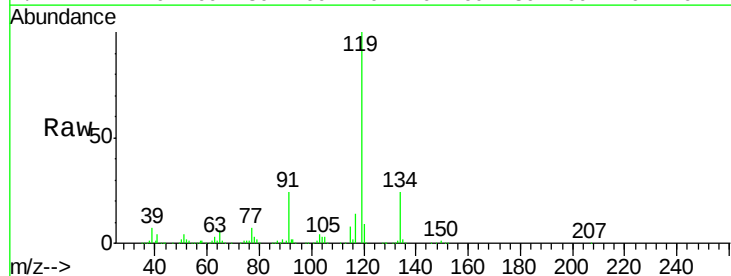
Tgt Ion:119 Resp: 809468

Ion Ratio Lower Upper

119 100

134 24.0 11.5 34.5

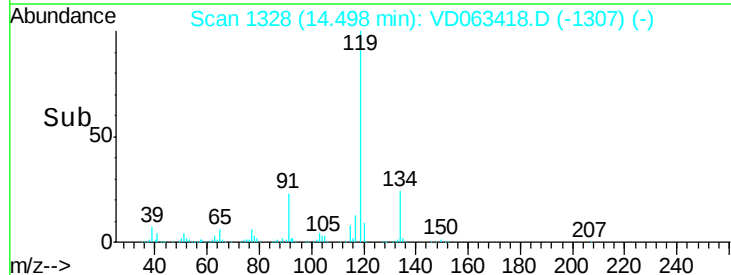
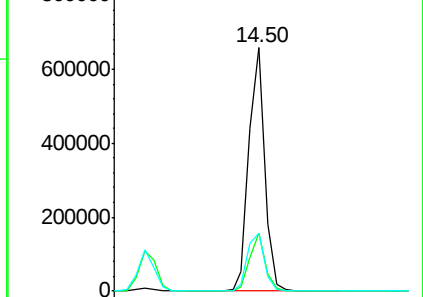
91 23.6 12.6 37.6

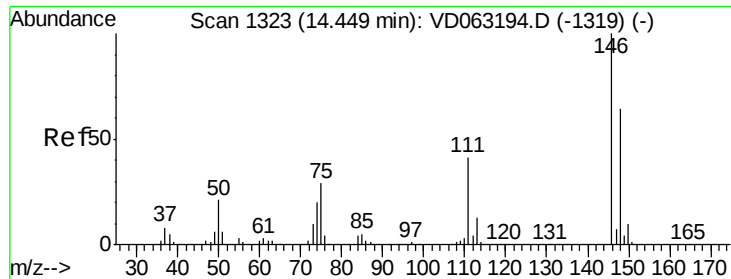


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

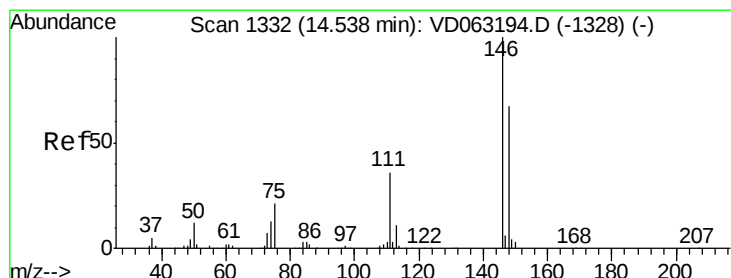
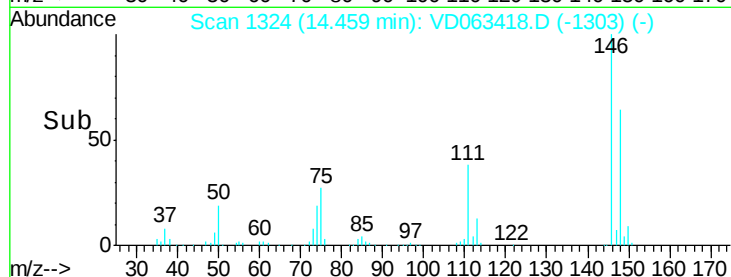
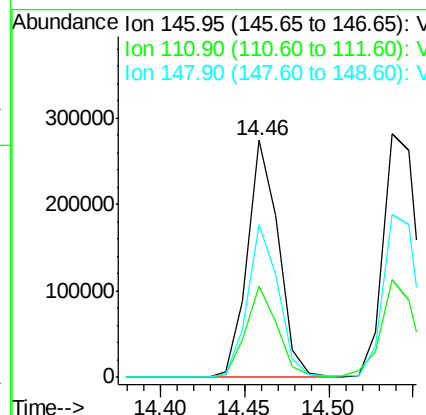
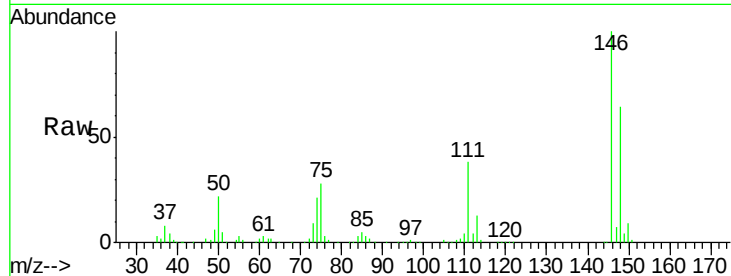




#87
 1,3-Dichlorobenzene
 Concen: 17.678 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.01 min
 Lab File: VD063418.D
 Acq: 7 Aug 2019 12:20

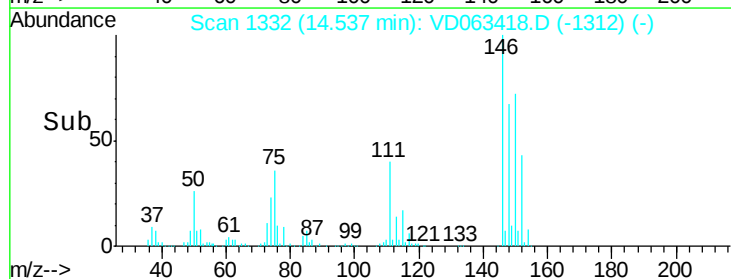
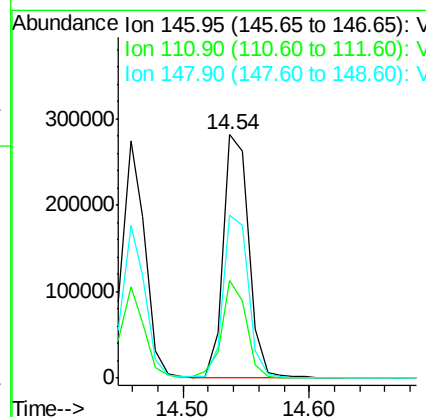
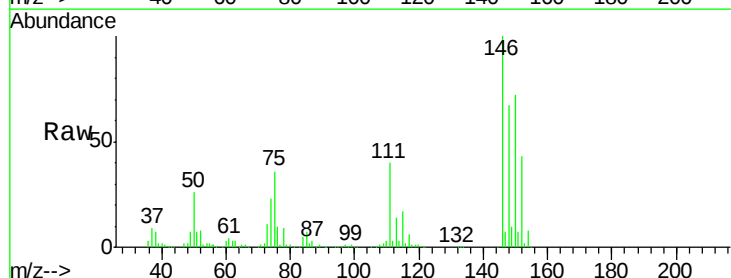
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0807SBSD01

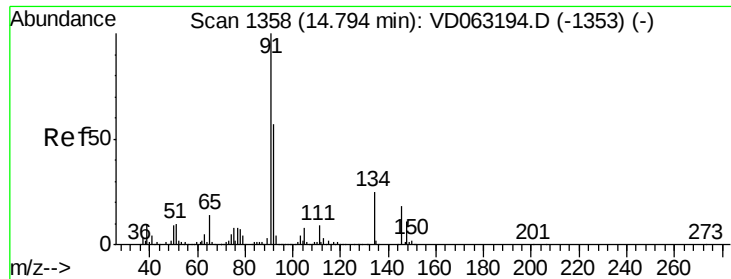
Tot Ion:146 Resp: 350967
 Ion Ratio Lower Upper
 146 100
 111 38.3 20.4 61.3
 148 64.4 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 19.701 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: VD063418.D
 Acq: 7 Aug 2019 12:20

Tgt Ion:146 Resp: 395504
 Ion Ratio Lower Upper
 146 100
 111 39.9 18.1 54.3
 148 67.1 33.4 100.1





#89

n-Butylbenzene

Concen: 20.532 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. 0.01 min

Lab File: VD063418.D

Acq: 7 Aug 2019 12:20

Instrument :

MSVOA_D

ClientSampleId :

VD0807SBS01

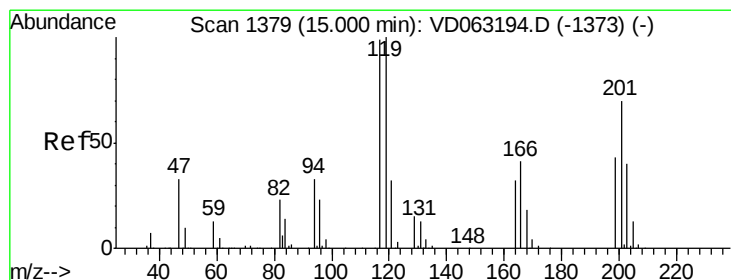
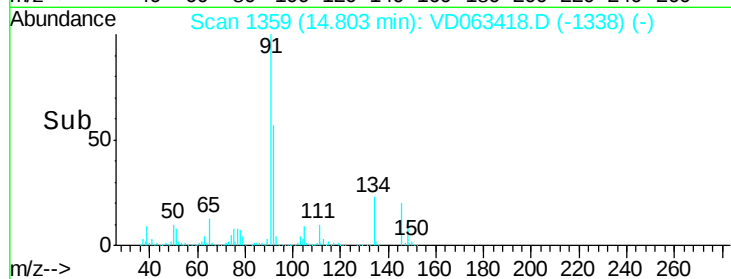
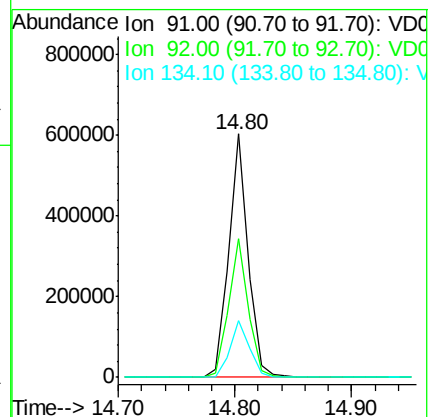
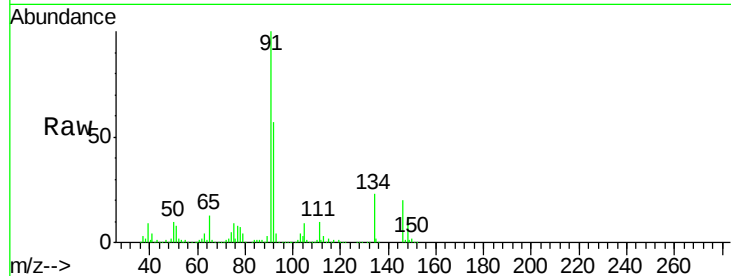
Tot Ion: 91 Resp: 691090

Ion Ratio Lower Upper

91 100

92 56.7 28.3 85.0

134 23.2 12.3 36.8



#90

Hexachloroethane

Concen: 20.094 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. 0.01 min

Lab File: VD063418.D

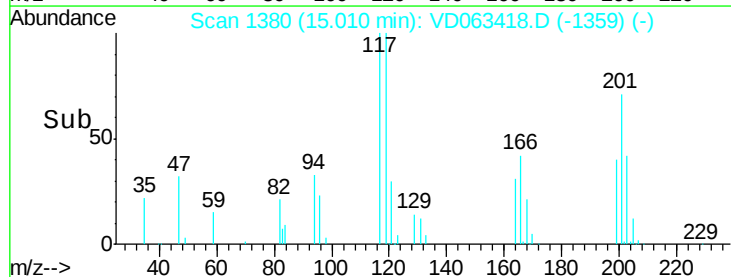
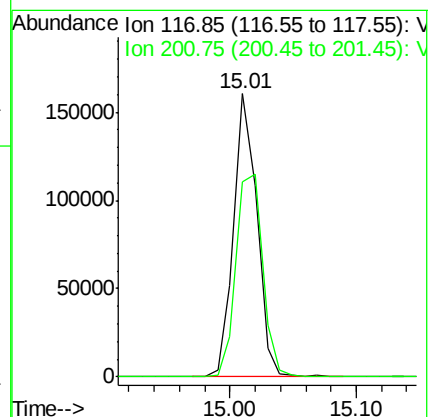
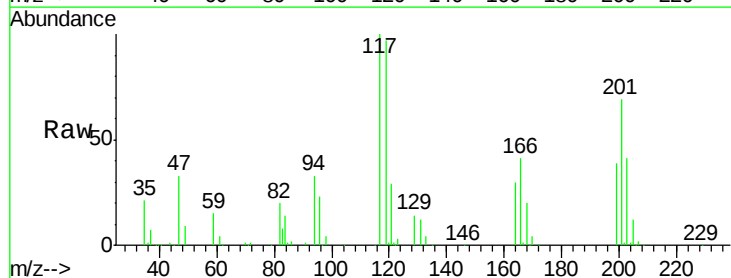
Acq: 7 Aug 2019 12:20

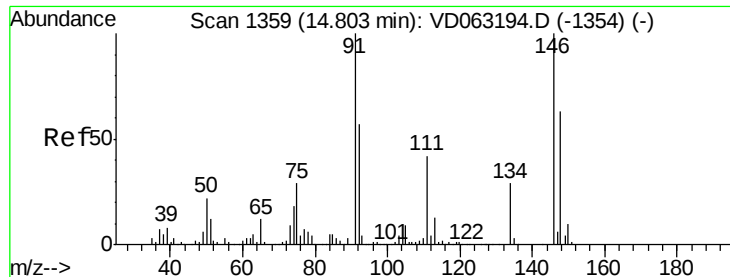
Tgt Ion: 117 Resp: 204024

Ion Ratio Lower Upper

117 100

201 68.9 35.2 105.6

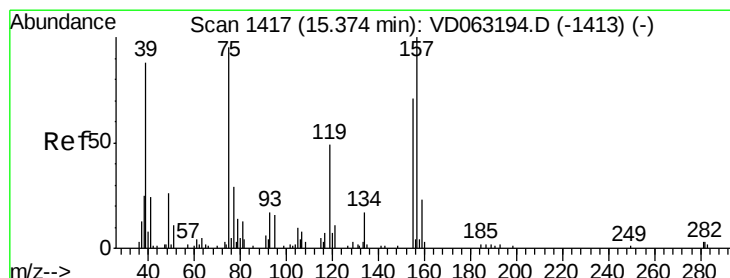
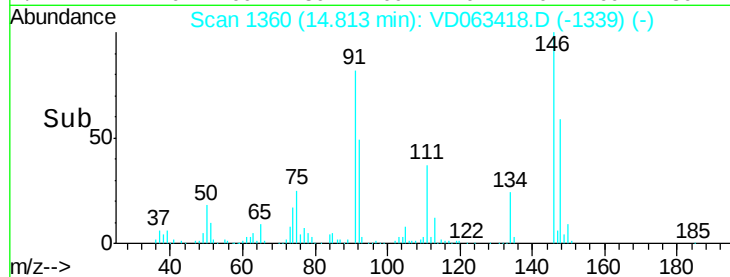
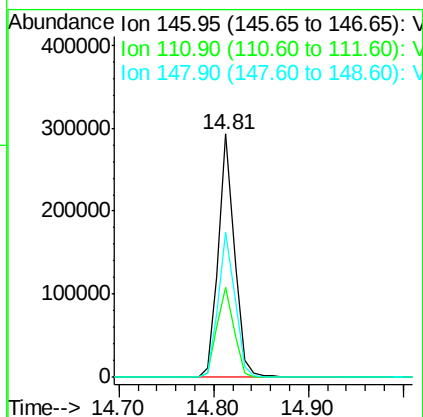
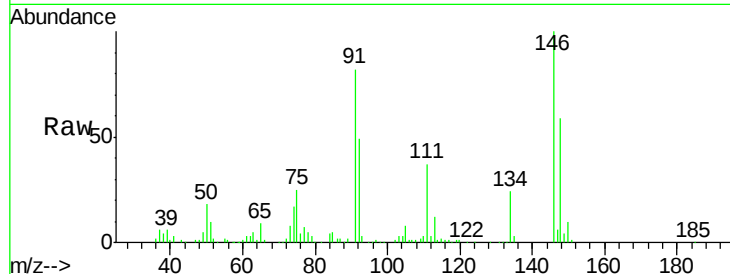




#91
 1,2-Dichlorobenzene
 Concen: 20.207 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.01 min
 Lab File: VD063418.D
 Acq: 7 Aug 2019 12:20

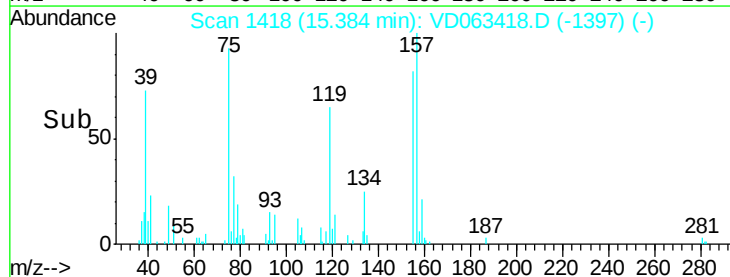
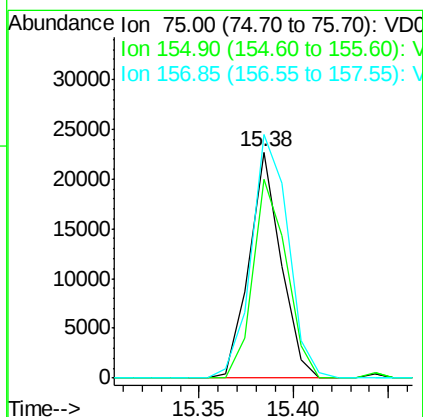
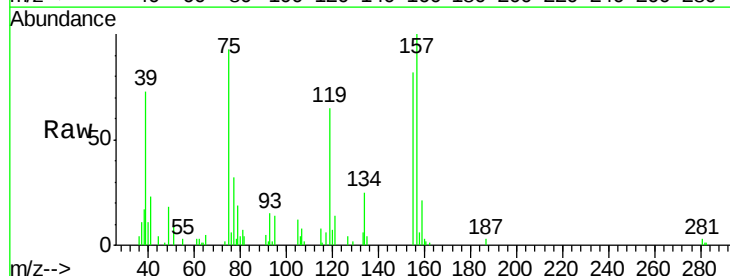
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0807SBS01

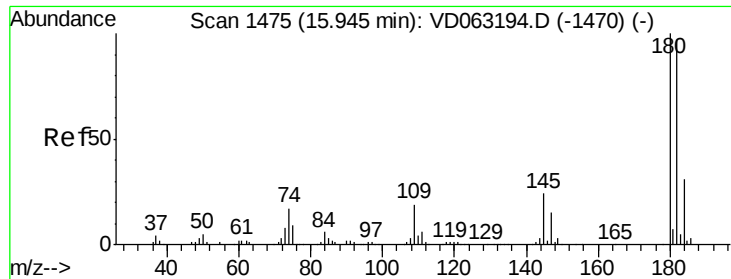
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	21.1	63.3
148	59.5	31.6	94.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.504 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. 0.01 min
 Lab File: VD063418.D
 Acq: 7 Aug 2019 12:20

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.0	37.0	111.0
157	107.7	52.4	157.2

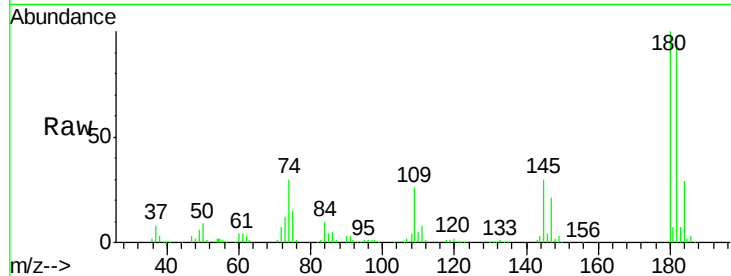




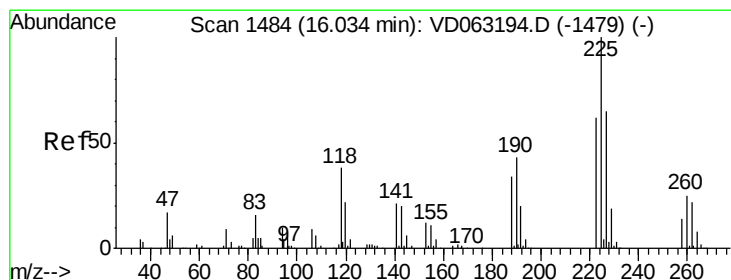
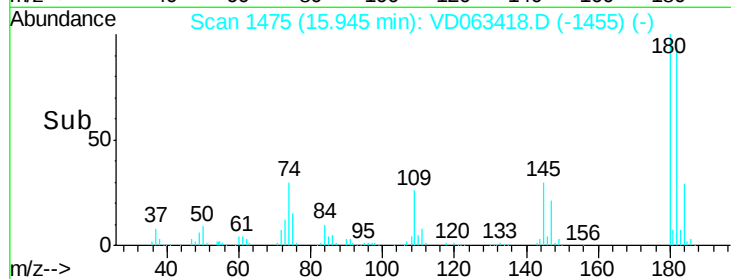
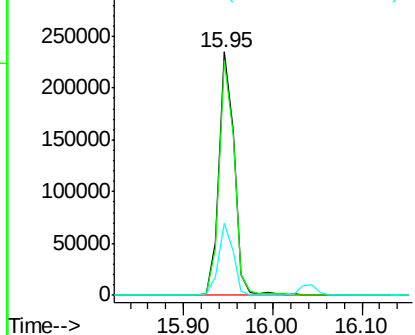
#93
 1,2,4-Trichlorobenzene
 Concen: 20.658 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD063418.D
 Acq: 7 Aug 2019 12:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0807SBSD01

Tot Ion:180 Resp: 283476
 Ion Ratio Lower Upper
 180 100
 182 96.3 48.6 145.8
 145 29.8 12.2 36.6

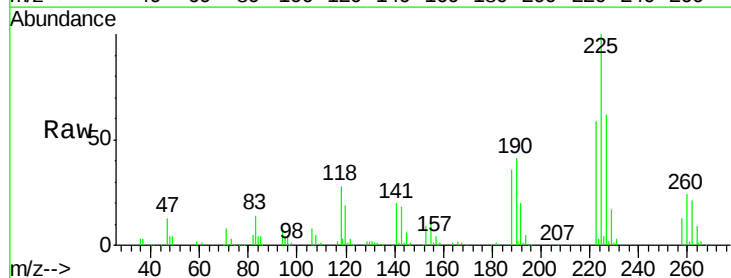


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

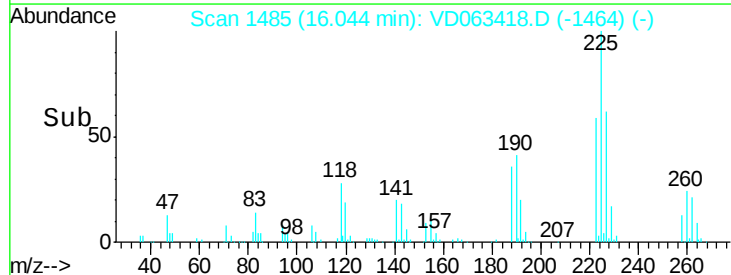
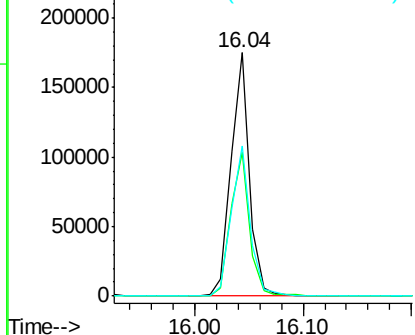


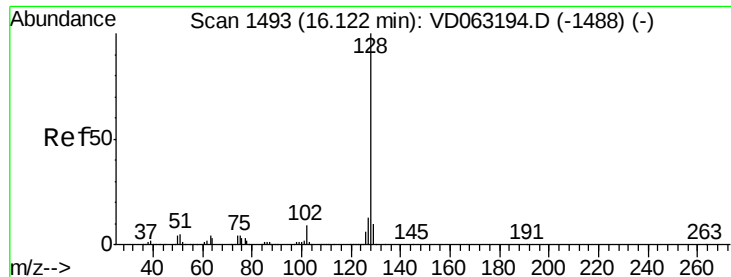
#94
 Hexachlorobutadiene
 Concen: 20.870 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD063418.D
 Acq: 7 Aug 2019 12:20

Tgt Ion:225 Resp: 207532
 Ion Ratio Lower Upper
 225 100
 223 58.8 30.9 92.5
 227 61.7 32.6 97.7



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

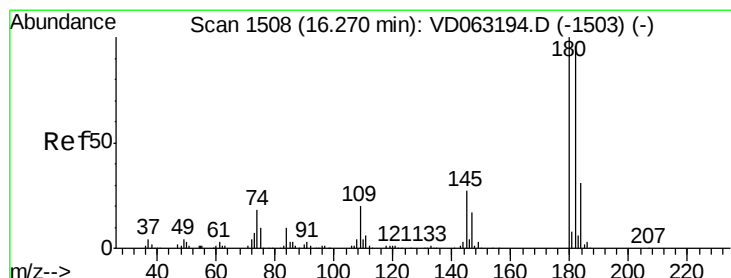
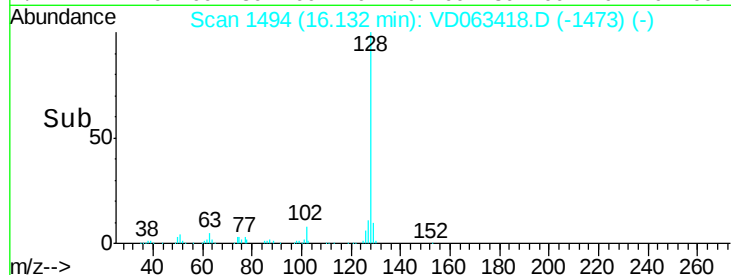
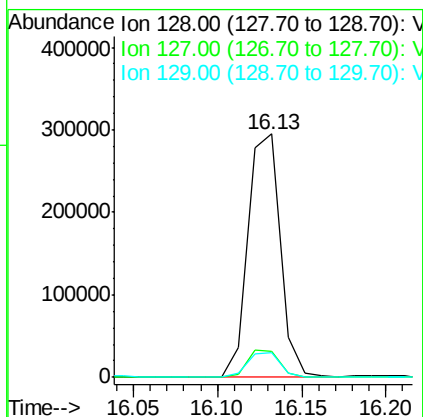
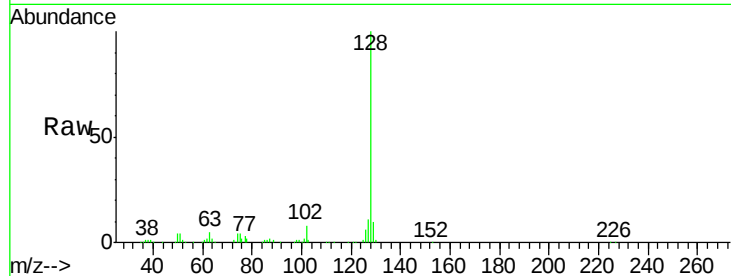




#95
Naphthalene
Concen: 20.371 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VD063418.D
Acq: 7 Aug 2019 12:20

Instrument :
MSVOA_D
ClientSampleId :
VD0807SBSD01

Tot Ion:128 Resp: 395093
Ion Ratio Lower Upper
128 100
127 10.6 10.2 15.4
129 10.1 7.8 11.8



#96
1,2,3-Trichlorobenzene
Concen: 19.781 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.00 min
Lab File: VD063418.D
Acq: 7 Aug 2019 12:20

Tgt Ion:180 Resp: 214437
Ion Ratio Lower Upper
180 100
182 92.5 48.3 144.9
145 33.6 13.6 40.7

