

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080819\
 Data File : VD063433.D
 Acq On : 8 Aug 2019 12:54
 Operator : JC/SY
 Sample : VD0808SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0808SBS01

Quant Time: Aug 09 06:56:27 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	7.05	168	954150	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.22	114	1298720	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.38	117	1092863	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	601475	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	570644	53.90	ug/l	0.03
Spiked Amount			Recovery	=	107.80%	
35) Dibromofluoromethane	6.93	113	654499	59.03	ug/l	0.03
Spiked Amount			Recovery	=	118.06%	
50) Toluene-d8	10.42	98	1381295	55.66	ug/l	0.02
Spiked Amount			Recovery	=	111.32%	
62) 4-Bromofluorobenzene	13.56	95	582300	51.49	ug/l	0.00
Spiked Amount			Recovery	=	102.98%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	262723	22.526	ug/l	99
3) Chloromethane	1.76	50	227100	25.062	ug/l #	88
4) Vinyl Chloride	1.84	62	206846	22.050	ug/l	96
5) Bromomethane	2.15	94	90520	19.133	ug/l	97
6) Chloroethane	2.26	64	100855	23.286	ug/l	94
7) Trichlorofluoromethane	2.53	101	423031	23.245	ug/l	98
8) Diethyl Ether	2.88	74	56317	22.111	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	3.15	101	240528	23.860	ug/l	95
10) Methyl Iodide	3.31	142	306240	21.028	ug/l	96
11) Tert butyl alcohol	4.10	59	54358	116.995	ug/l	99
12) 1,1-Dichloroethene	3.12	96	172235	23.273	ug/l	93
13) Acrolein	3.03	56	28008	62.637	ug/l	84
14) Allyl chloride	3.63	41	268445	22.770	ug/l	98
15) Acrylonitrile	4.21	53	152654	126.730	ug/l	95
16) Acetone	3.23	43	243880	118.228	ug/l	96
17) Carbon Disulfide	3.38	76	537092	21.682	ug/l	99
18) Methyl Acetate	3.66	43	96565	24.371	ug/l	94
19) Methyl tert-butyl Ether	4.26	73	397328	23.768	ug/l	100
20) Methylene Chloride	3.82	84	194991	23.386	ug/l	95
21) trans-1,2-Dichloroethene	4.23	96	198068	23.852	ug/l	93
22) Diisopropyl ether	5.13	45	565792	24.021	ug/l	90
23) Vinyl Acetate	5.07	43	1677127	115.832	ug/l	98
24) 1,1-Dichloroethane	4.99	63	364193	24.206	ug/l	97
25) 2-Butanone	6.09	43	241057	116.442	ug/l	94
26) 2,2-Dichloropropane	6.04	77	347850	22.435	ug/l	95
27) cis-1,2-Dichloroethene	6.05	96	205618	23.095	ug/l	94
28) Bromochloromethane	6.45	49	143015	23.857	ug/l #	82
29) Tetrahydrofuran	6.48	42	119204	121.620	ug/l	99
30) Chloroform	6.68	83	440507	23.592	ug/l	92
31) Cyclohexane	6.95	56	209637	22.229	ug/l	99
32) 1,1,1-Trichloroethane	6.88	97	428399	23.720	ug/l	97
36) 1,1-Dichloropropene	7.16	75	291990	24.635	ug/l	96
37) Ethyl Acetate	6.20	43	128237	24.083	ug/l	98
38) Carbon Tetrachloride	7.12	117	401823	22.519	ug/l	95

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	232256	23.519	ug/l	94
40) Benzene	7.46	78	604803	24.347	ug/l	96
41) Methacrylonitrile	6.45	41	160188	25.149	ug/l #	80
42) 1,2-Dichloroethane	7.58	62	318587	24.200	ug/l	100
43) Isopropyl Acetate	9.25	43	161550	23.751	ug/l #	99
44) Trichloroethene	8.55	130	235539	23.400	ug/l	91
45) 1,2-Dichloropropane	8.95	63	148625	23.540	ug/l	96
46) Dibromomethane	9.08	93	123995	23.619	ug/l	94
47) Bromodichloromethane	9.38	83	316329	23.638	ug/l	99
48) Methyl methacrylate	9.13	41	108644	24.628	ug/l	94
49) 1,4-Dioxane	9.10	88	18300	487.588	ug/l #	87
51) 4-Methyl-2-Pentanone	10.31	43	561923	121.474	ug/l	98
52) Toluene	10.52	92	398100	24.096	ug/l	97
53) t-1,3-Dichloropropene	10.92	75	278040	24.099	ug/l	95
54) cis-1,3-Dichloropropene	10.04	75	289987	23.915	ug/l	98
55) 1,1,2-Trichloroethane	11.20	97	147175	26.376	ug/l	95
56) Ethyl methacrylate	11.05	69	152306	24.927	ug/l	92
57) 1,3-Dichloropropane	11.42	76	213975	24.339	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.87	63	396165	124.606	ug/l	99
59) 2-Hexanone	11.54	43	411366	123.400	ug/l	96
60) Dibromochloromethane	11.70	129	248423	23.583	ug/l	92
61) 1,2-Dibromoethane	11.82	107	172229	25.014	ug/l	98
64) Tetrachloroethene	11.27	164	207645	23.850	ug/l	93
65) Chlorobenzene	12.41	112	486058	23.123	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.52	131	214430	23.158	ug/l	91
67) Ethyl Benzene	12.53	91	901934	25.258	ug/l	99
68) m/p-Xylenes	12.67	106	646555	49.371	ug/l	98
69) o-Xylene	13.06	106	313856	26.098	ug/l	92
70) Styrene	13.08	104	518022	24.289	ug/l	99
71) Bromoform	13.24	173	155009	23.020	ug/l	97
73) Isopropylbenzene	13.41	105	899518	23.828	ug/l	99
74) N-amyl acetate	13.27	43	235216	23.570	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	13.71	83	153081	23.872	ug/l	99
76) 1,2,3-Trichloropropane	13.74	75	167809	23.228	ug/l	96
77) Bromobenzene	13.68	156	237691	22.103	ug/l	87
78) n-propylbenzene	13.78	91	952117	21.194	ug/l	96
79) 2-Chlorotoluene	13.84	91	599166	23.018	ug/l	94
80) 1,3,5-Trimethylbenzene	13.94	105	773592	23.759	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.48	75	43624	21.746	ug/l #	94
82) 4-Chlorotoluene	13.95	91	748240	24.425	ug/l	95
83) tert-Butylbenzene	14.20	119	887695	23.878	ug/l	93
84) 1,2,4-Trimethylbenzene	14.25	105	771222	22.900	ug/l	99
85) sec-Butylbenzene	14.38	105	941669	24.041	ug/l	96
86) p-Isopropyltoluene	14.49	119	941835	25.193	ug/l	97
87) 1,3-Dichlorobenzene	14.46	146	427331	22.439	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	426962	22.171	ug/l	96
89) n-Butylbenzene	14.80	91	741382	22.961	ug/l	97
90) Hexachloroethane	15.02	117	222821	22.877	ug/l	89
91) 1,2-Dichlorobenzene	14.82	146	368667	22.218	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	15.38	75	27853	21.324	ug/l	77

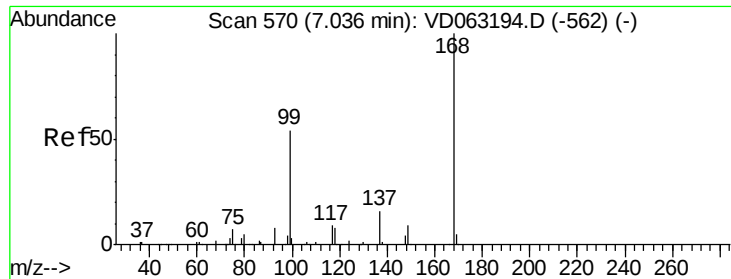
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD080819\
Data File : VD063433.D
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	294061	22.339	ug/l	97
94) Hexachlorobutadiene	16.04	225	206945	21.694	ug/l	95
95) Naphthalene	16.13	128	383833	20.631	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	230245	22.141	ug/l	92

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.02 min

Lab File: VD063433.D

Acq: 8 Aug 2019 12:54

Instrument :

MSVOA_D

ClientSampleId :

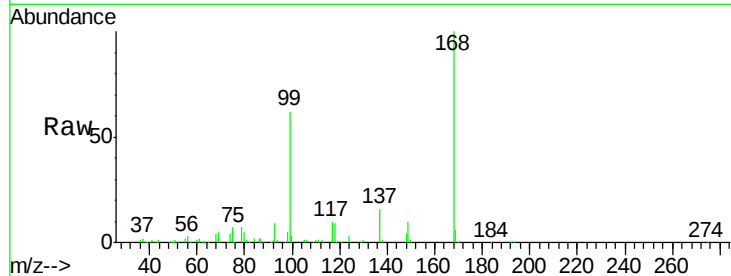
VD0808SBS01

Tot Ion:168 Resp: 954150

Ion Ratio Lower Upper

168 100

99 61.6 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

300000

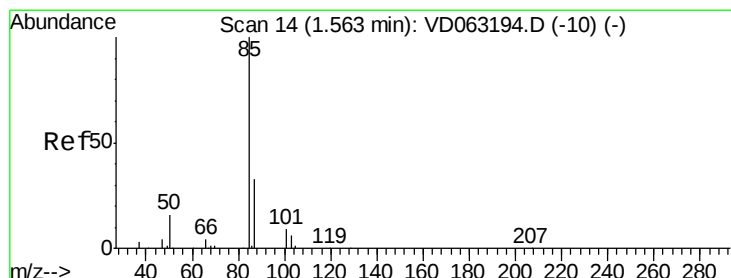
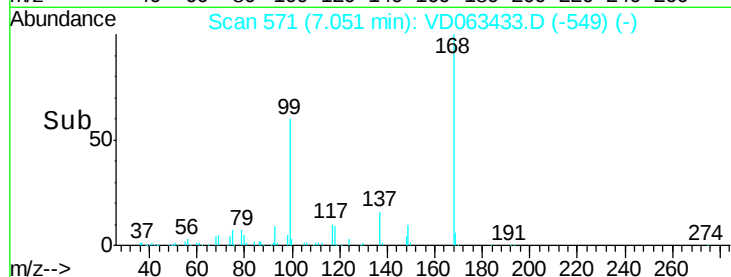
200000

100000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 22.526 ug/l

RT: 1.58 min Scan# 15

Delta R.T. 0.02 min

Lab File: VD063433.D

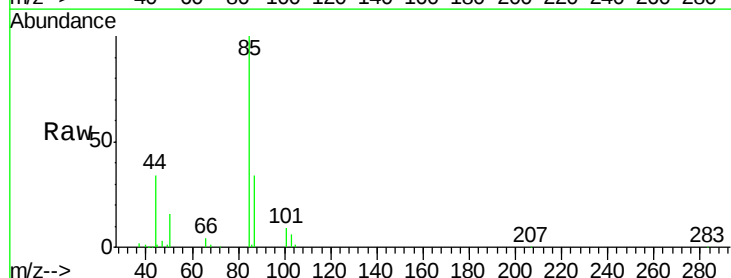
Acq: 8 Aug 2019 12:54

Tgt Ion: 85 Resp: 262723

Ion Ratio Lower Upper

85 100

87 33.8 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

150000

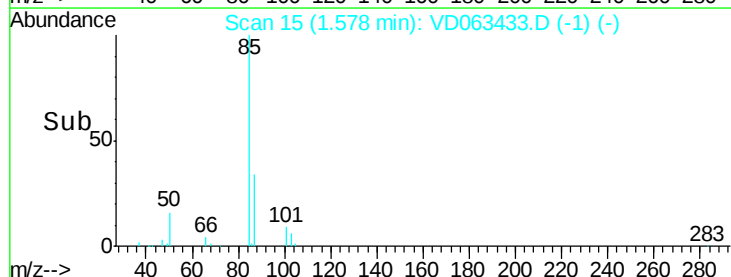
100000

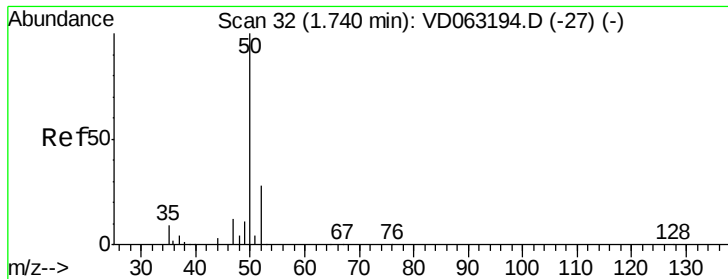
50000

0

1.50 1.60 1.70

Time-->





#3

Chloromethane

Concen: 25.062 ug/l

RT: 1.76 min Scan# 33

Delta R.T. 0.02 min

Lab File: VD063433.D

Acq: 8 Aug 2019 12:54

Instrument :

MSVOA_D

ClientSampleId :

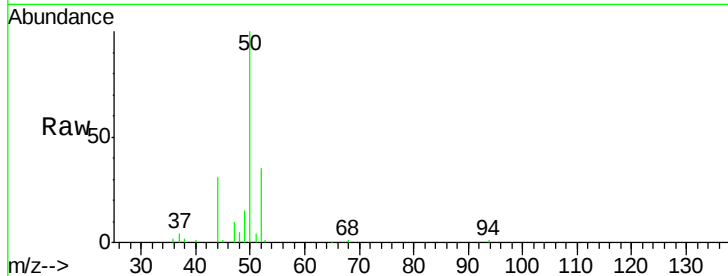
VD0808SBSD01

Tot Ion: 50 Resp: 227100

Ion Ratio Lower Upper

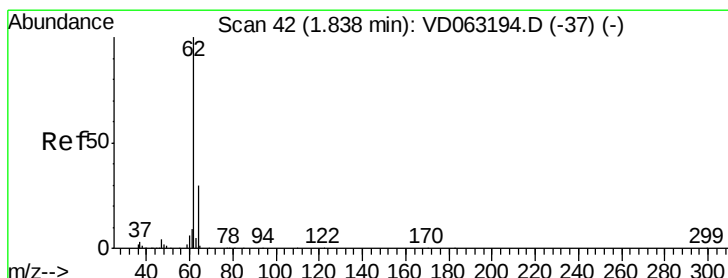
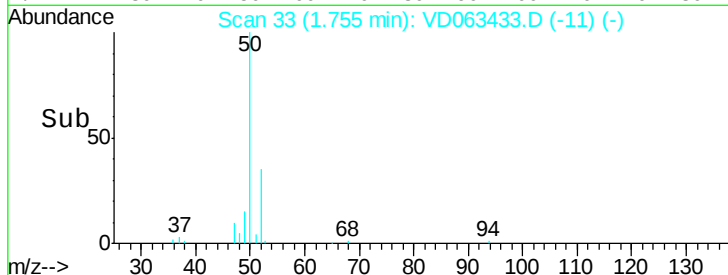
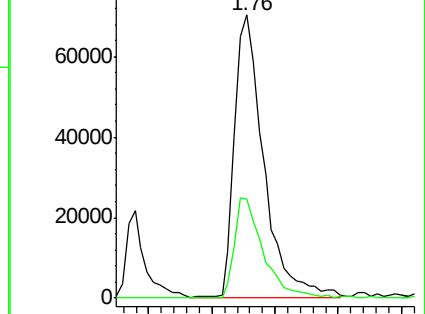
50 100

52 34.8 22.6 34.0#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 22.050 ug/l

RT: 1.84 min Scan# 42

Delta R.T. 0.01 min

Lab File: VD063433.D

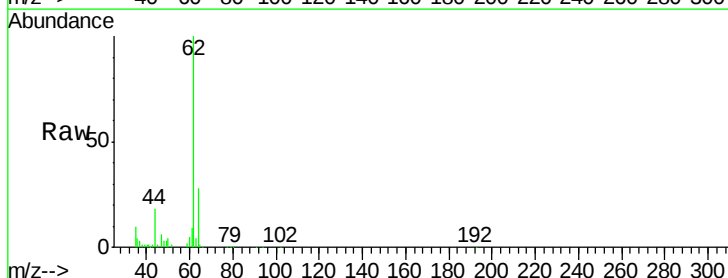
Acq: 8 Aug 2019 12:54

Tgt Ion: 62 Resp: 206846

Ion Ratio Lower Upper

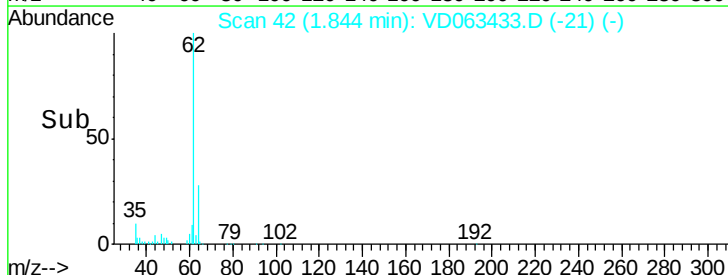
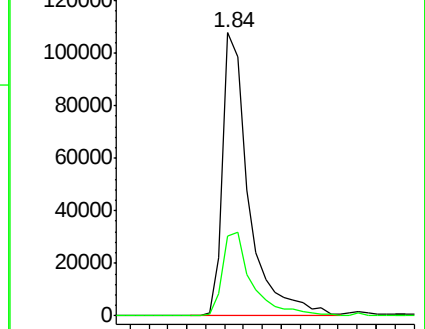
62 100

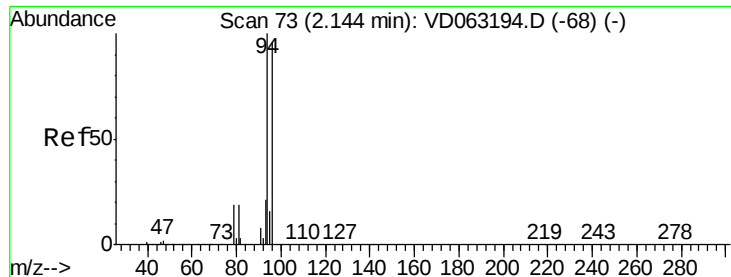
64 28.1 24.1 36.1



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 19.133 ug/l

RT: 2.15 min Scan# 73

Delta R.T. 0.01 min

Lab File: VD063433.D

Acq: 8 Aug 2019 12:54

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBSD01

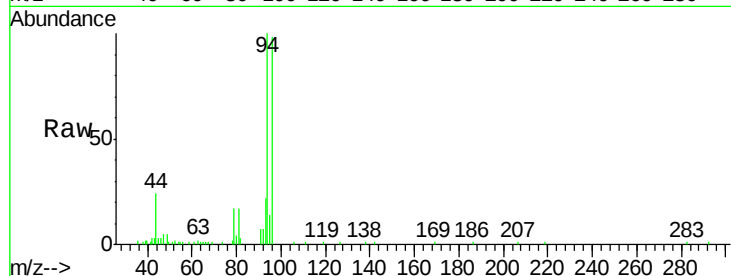
Tot Ion: 94 Resp: 90520

Ion Ratio Lower Upper

94 100

96 98.2 76.4 114.6

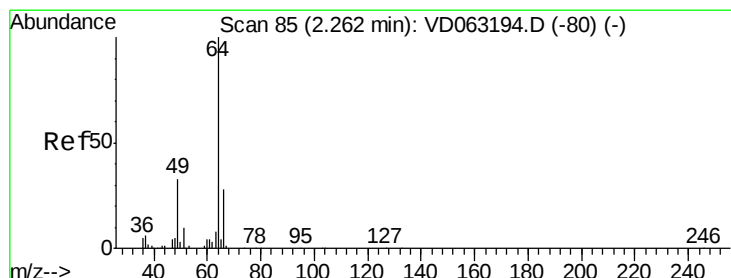
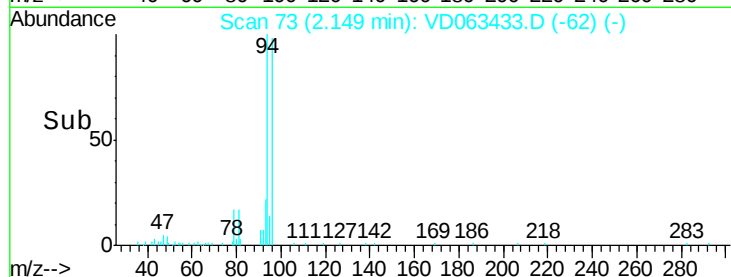
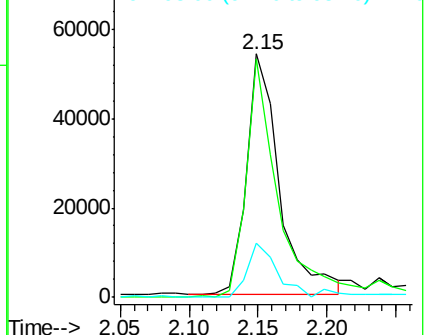
93 22.4 17.3 25.9



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: 23.286 ug/l

RT: 2.26 min Scan# 84

Delta R.T. -0.00 min

Lab File: VD063433.D

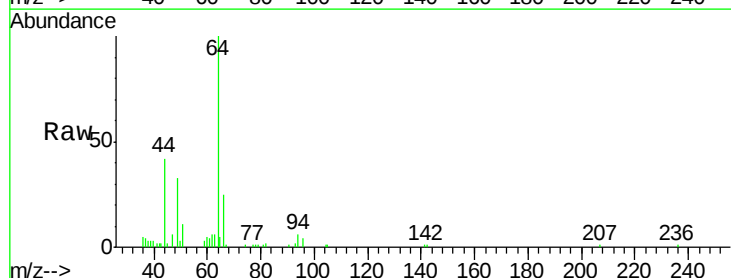
Acq: 8 Aug 2019 12:54

Tgt Ion: 64 Resp: 100855

Ion Ratio Lower Upper

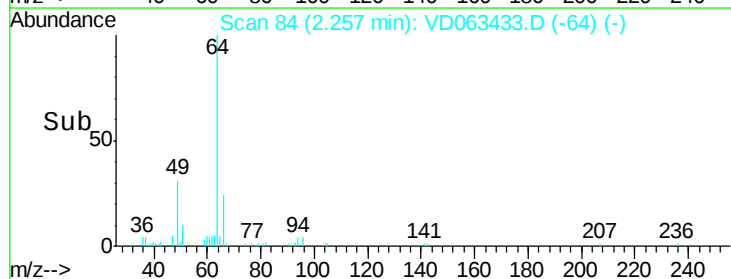
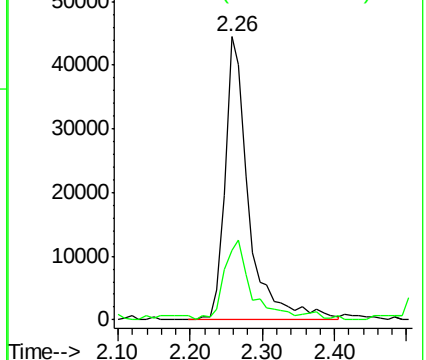
64 100

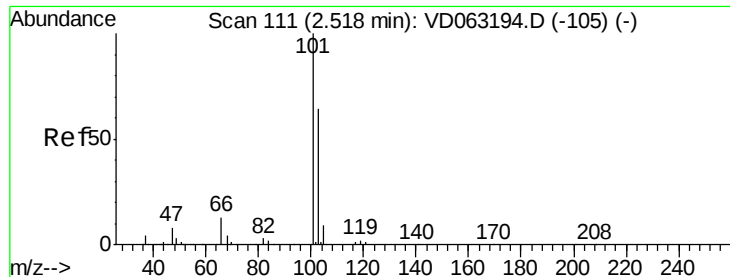
66 24.6 22.2 33.2



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



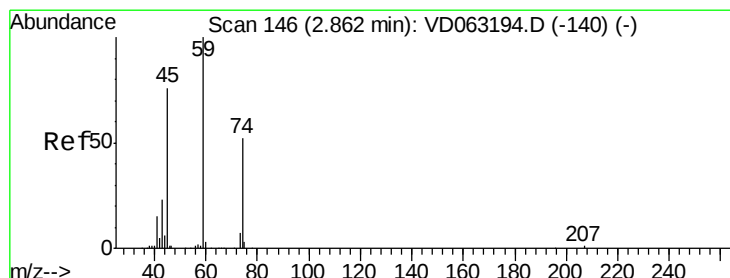
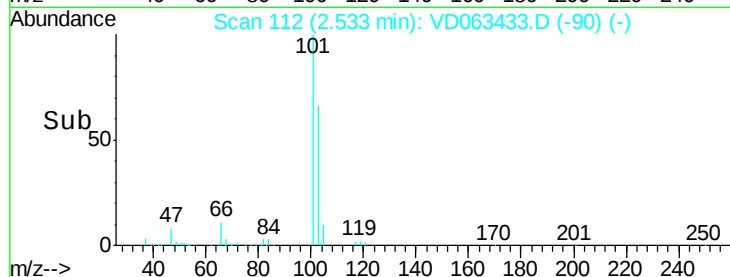
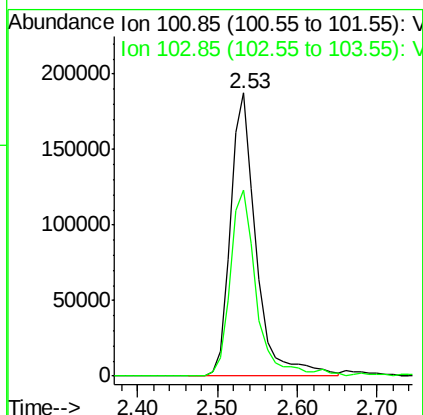
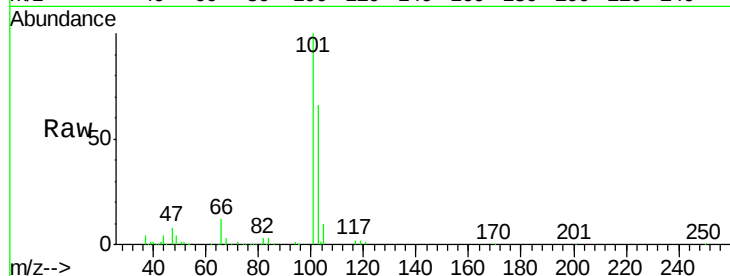


#7

Trichlorofluoromethane
 Concen: 23.245 ug/l
 RT: 2.53 min Scan# 112
 Delta R.T. 0.02 min
 Lab File: VD063433.D
 Acq: 8 Aug 2019 12:54

Instrument :
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 ClientSampleId :
 VD0808SBSD01

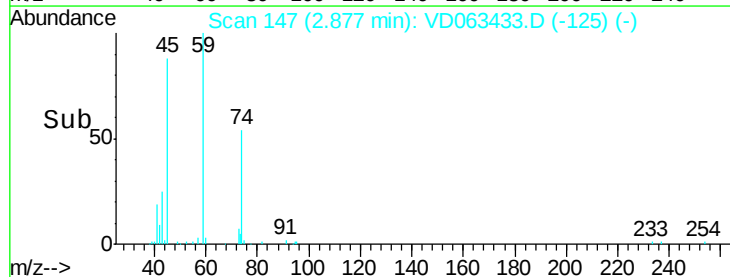
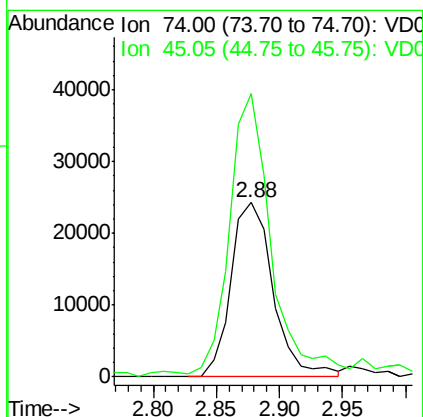
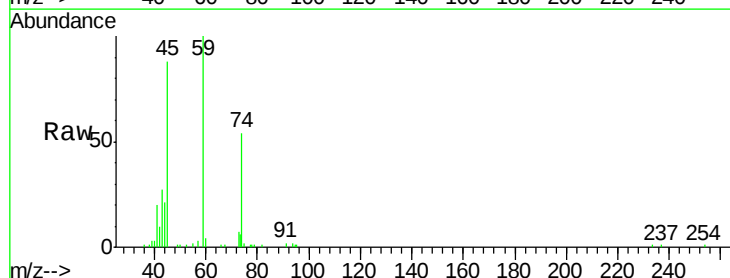
Tot Ion:101 Resp: 423031
 Ion Ratio Lower Upper
 101 100
 103 65.9 51.5 77.3

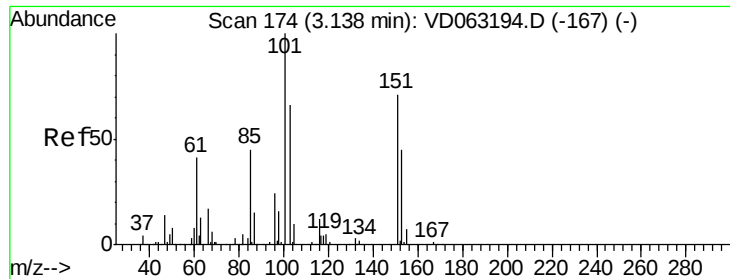


#8

Diethyl Ether
 Concen: 22.111 ug/l
 RT: 2.88 min Scan# 147
 Delta R.T. 0.02 min
 Lab File: VD063433.D
 Acq: 8 Aug 2019 12:54

Tgt Ion: 74 Resp: 56317
 Ion Ratio Lower Upper
 74 100
 45 162.3 73.6 220.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.860 ug/l

RT: 3.15 min Scan# 175

Delta R.T. 0.02 min

Lab File: VD063433.D

Acq: 8 Aug 2019 12:54

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBSD01

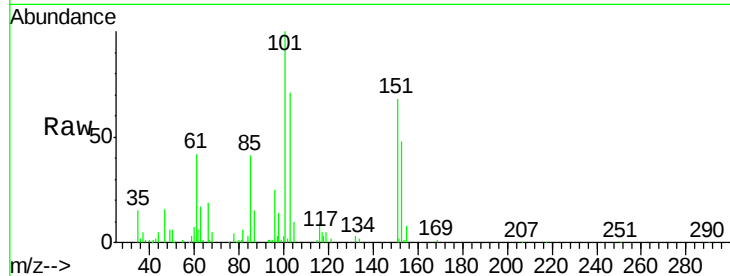
Tot Ion:101 Resp: 240528

Ion Ratio Lower Upper

101 100

85 41.1 36.1 54.1

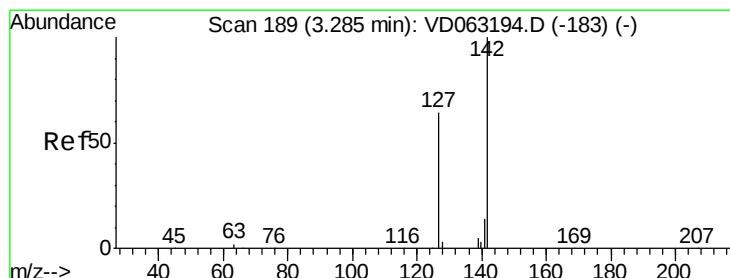
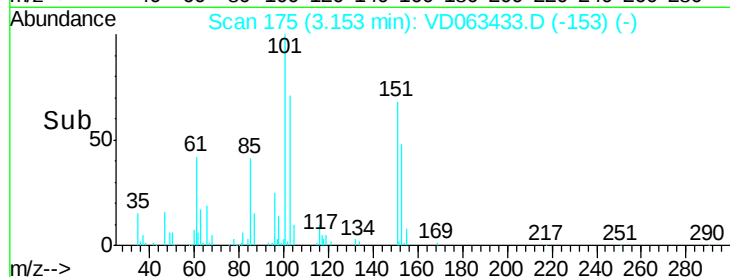
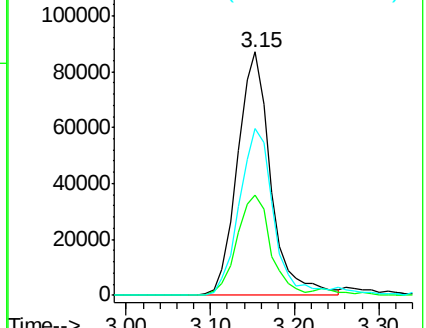
151 68.3 57.1 85.7



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: 21.028 ug/l

RT: 3.31 min Scan# 191

Delta R.T. 0.03 min

Lab File: VD063433.D

Acq: 8 Aug 2019 12:54

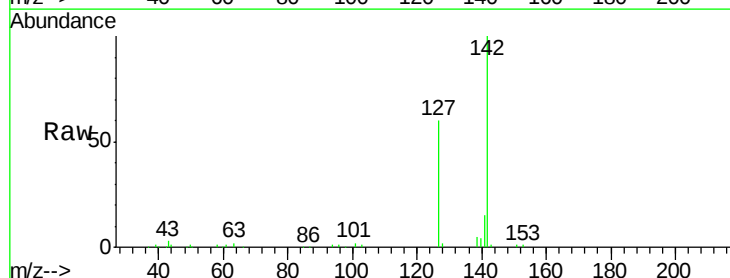
Tgt Ion:142 Resp: 306240

Ion Ratio Lower Upper

142 100

127 59.9 50.8 76.2

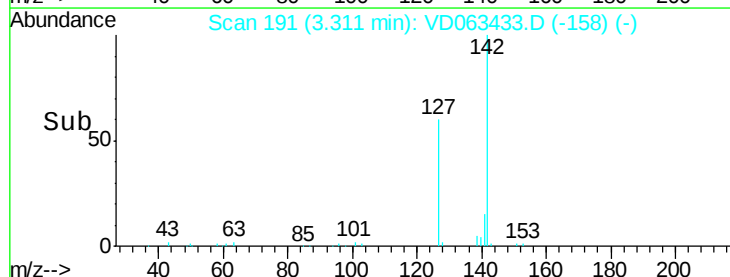
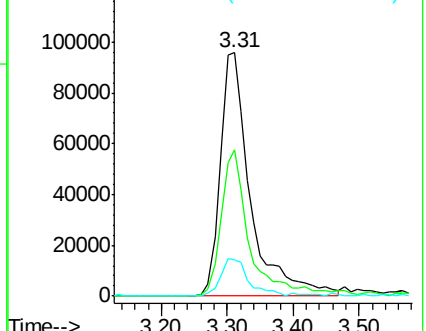
141 14.9 11.4 17.2

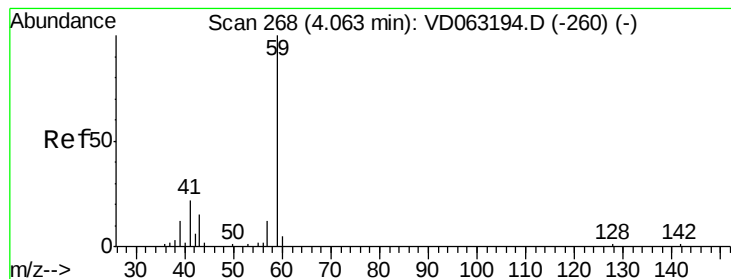


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



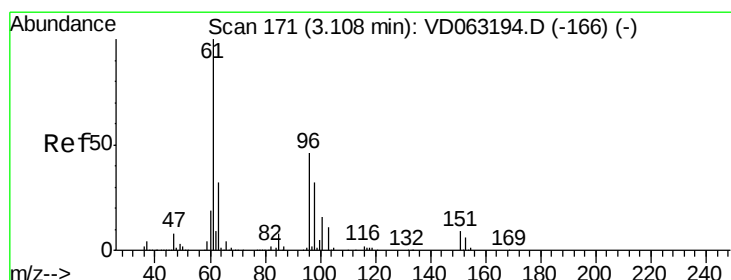
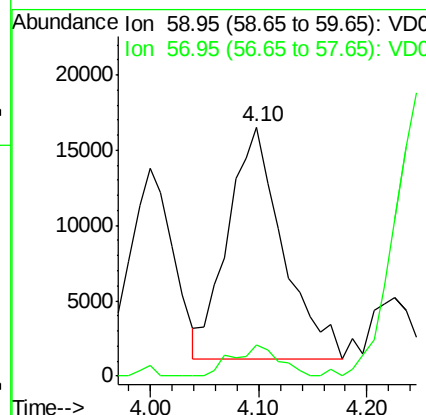
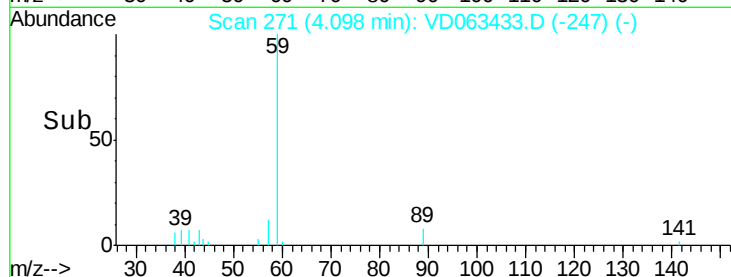
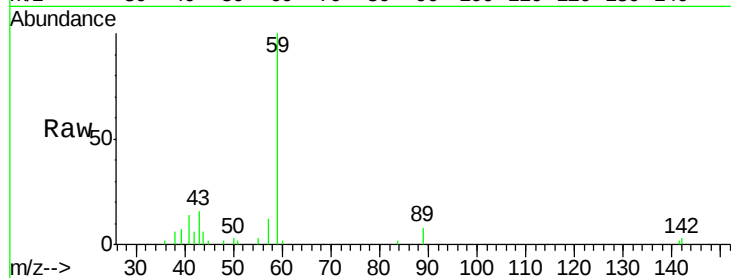


#11

Tert butyl alcohol
Concen: 116.995 ug/l
RT: 4.10 min Scan# 271
Delta R.T. 0.03 min
Lab File: VD063433.D
Acq: 8 Aug 2019 12:54

Instrument :
MSVOA_D
ClientSampleId :
VD0808SBSD01

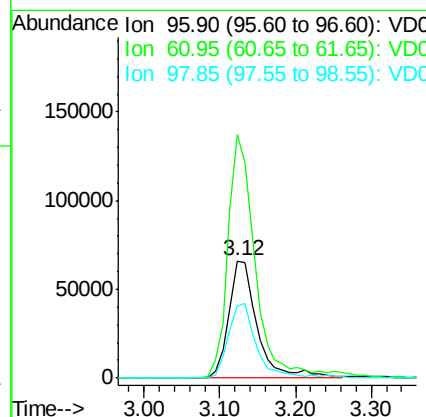
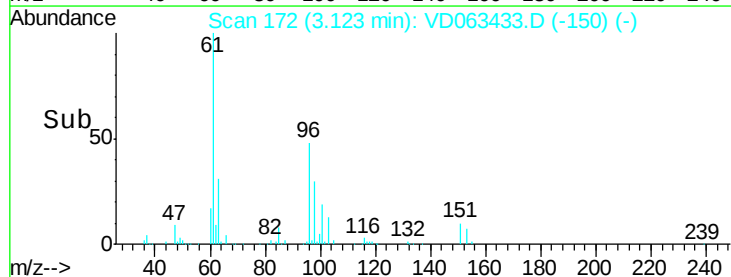
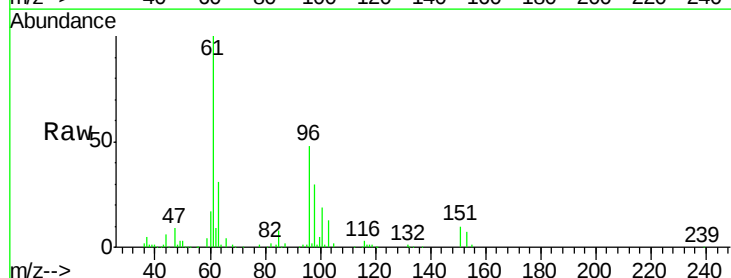
Tot Ion: 59 Resp: 54358
Ion Ratio Lower Upper
59 100
57 12.3 9.6 14.4

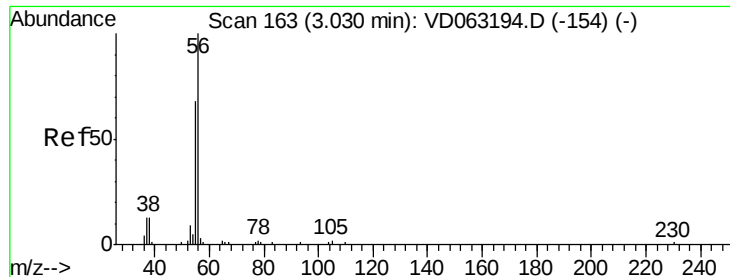


#12

1,1-Dichloroethene
Concen: 23.273 ug/l
RT: 3.12 min Scan# 172
Delta R.T. 0.02 min
Lab File: VD063433.D
Acq: 8 Aug 2019 12:54

Tgt Ion: 96 Resp: 172235
Ion Ratio Lower Upper
96 100
61 207.3 173.7 260.5
98 61.8 55.8 83.8





#13

Acrolein

Concen: 62.637 ug/l

RT: 3.03 min Scan# 163

Delta R.T. 0.01 min

Lab File: VD063433.D

Acq: 8 Aug 2019 12:54

Instrument :

MSVOA_D

ClientSampleId :

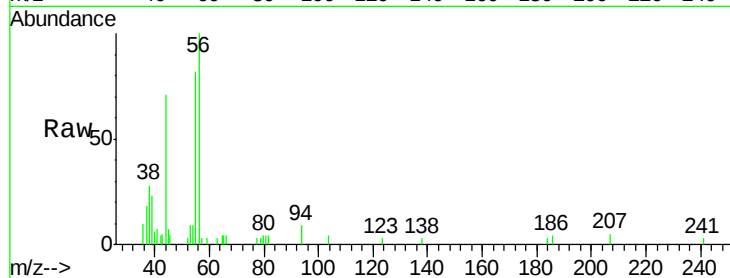
VD0808SBSD01

Tot Ion: 56 Resp: 28008

Ion Ratio Lower Upper

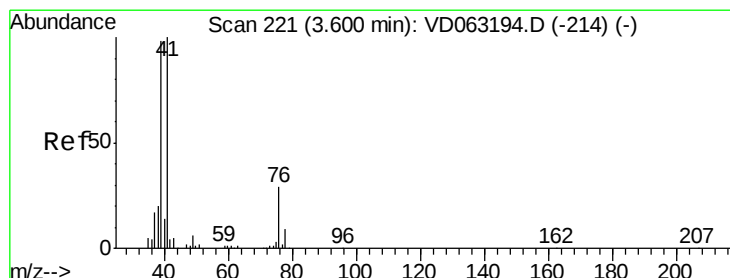
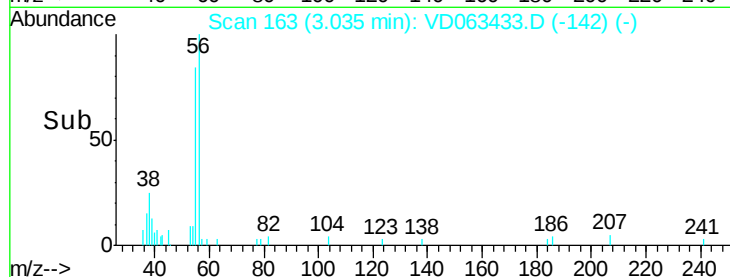
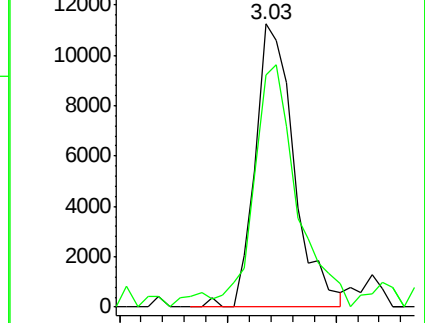
56 100

55 81.9 55.3 82.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 22.770 ug/l

RT: 3.63 min Scan# 223

Delta R.T. 0.03 min

Lab File: VD063433.D

Acq: 8 Aug 2019 12:54

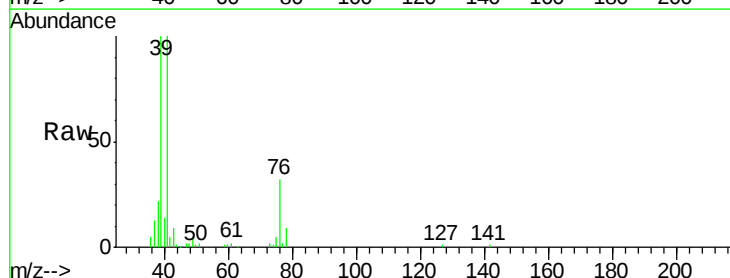
Tgt Ion: 41 Resp: 268445

Ion Ratio Lower Upper

41 100

39 99.9 78.6 117.8

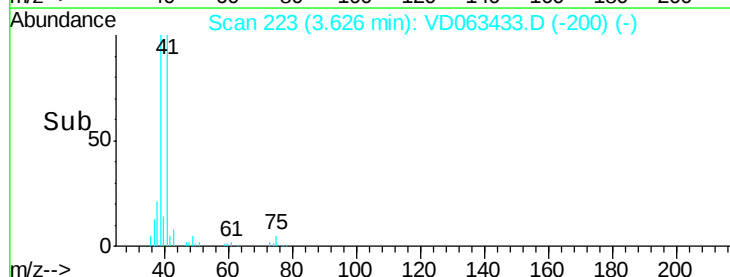
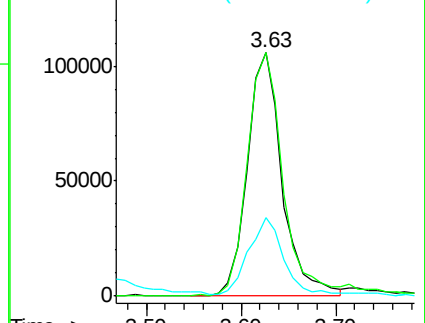
76 32.1 24.5 36.7

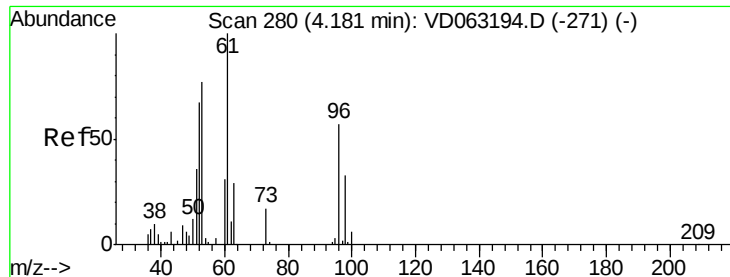


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 126.730 ug/l

RT: 4.21 min Scan# 282

Delta R.T. 0.03 min

Lab File: VD063433.D

Acq: 8 Aug 2019 12:54

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBS01

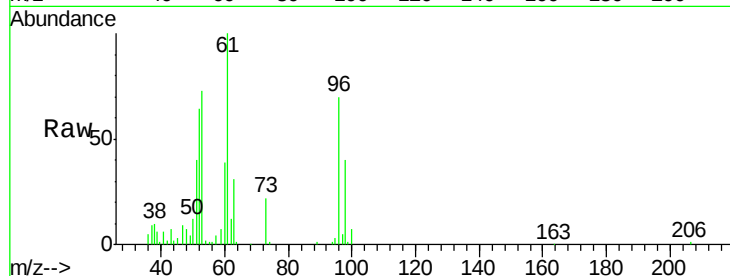
Tot Ion: 53 Resp: 152654

Ion Ratio Lower Upper

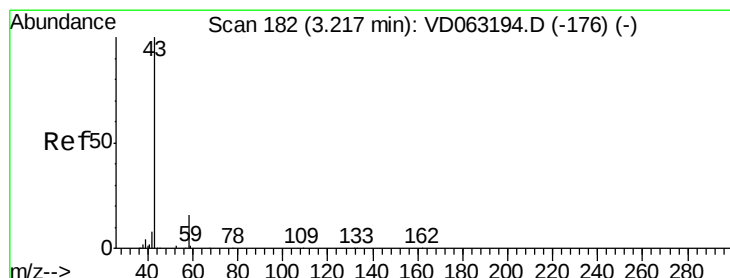
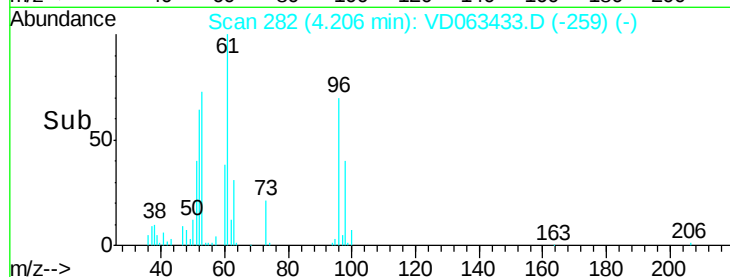
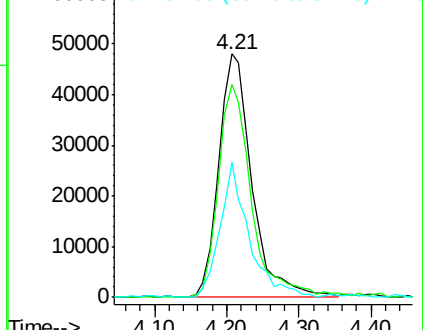
53 100

52 87.2 69.7 104.5

51 55.2 37.4 56.0



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



#16

Acetone

Concen: 118.228 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.02 min

Lab File: VD063433.D

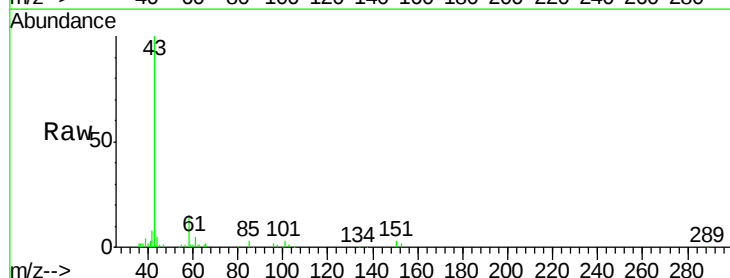
Acq: 8 Aug 2019 12:54

Tgt Ion: 43 Resp: 243880

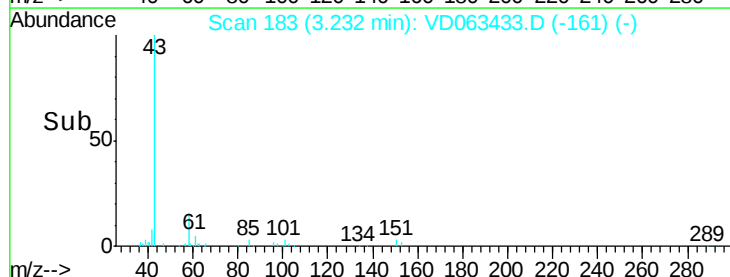
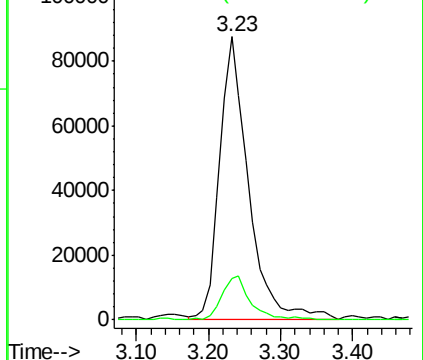
Ion Ratio Lower Upper

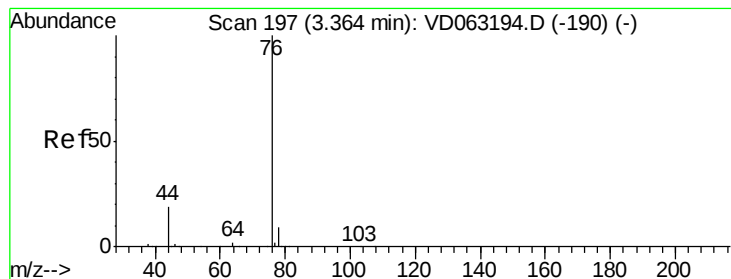
43 100

58 14.6 13.0 19.4



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





#17

Carbon Disulfide

Concen: 21.682 ug/l

RT: 3.38 min Scan# 198

Delta R.T. 0.02 min

Lab File: VD063433.D

Acq: 8 Aug 2019 12:54

Instrument :

MSVOA_D

ClientSampleId :

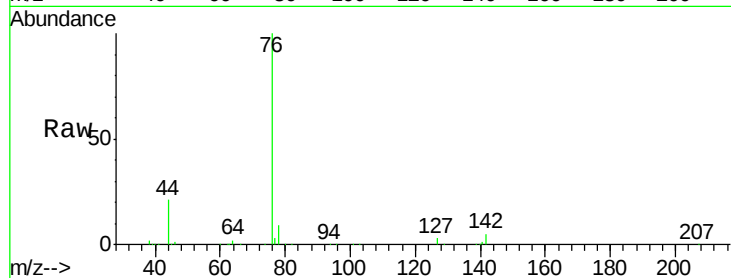
VD0808SBSD01

Tot Ion: 76 Resp: 537092

Ion Ratio Lower Upper

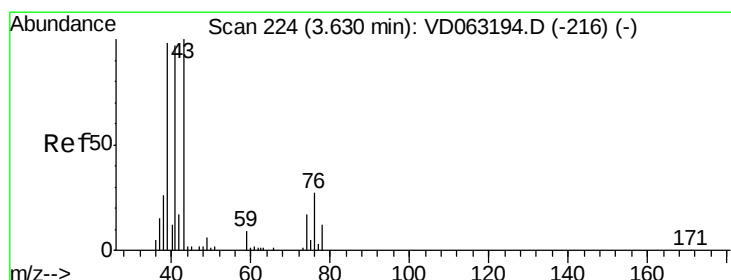
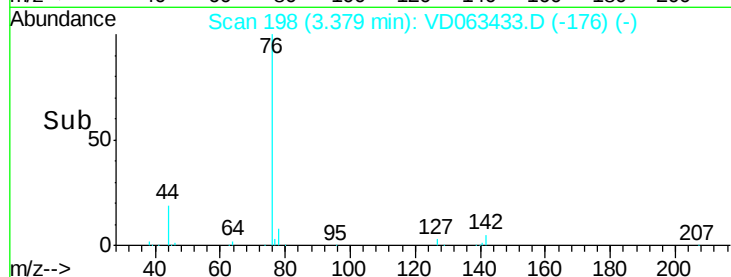
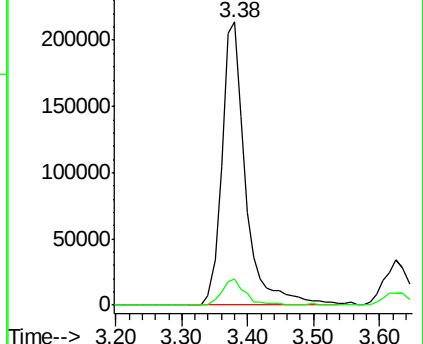
76 100

78 9.0 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: 24.371 ug/l

RT: 3.66 min Scan# 226

Delta R.T. 0.03 min

Lab File: VD063433.D

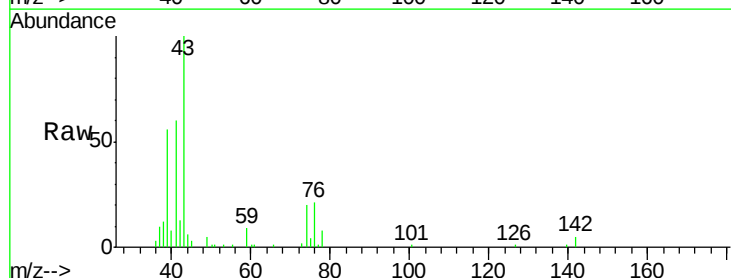
Acq: 8 Aug 2019 12:54

Tgt Ion: 43 Resp: 96565

Ion Ratio Lower Upper

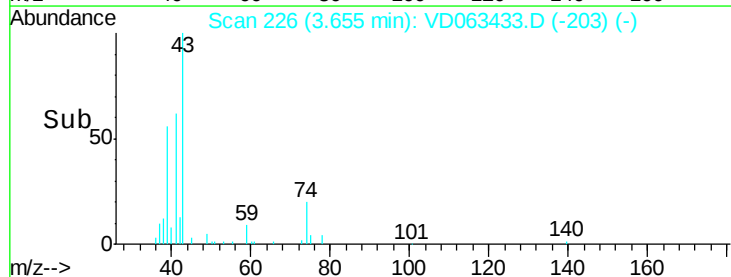
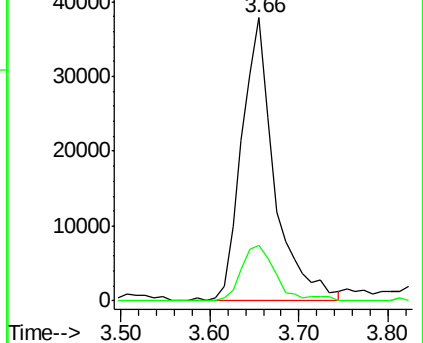
43 100

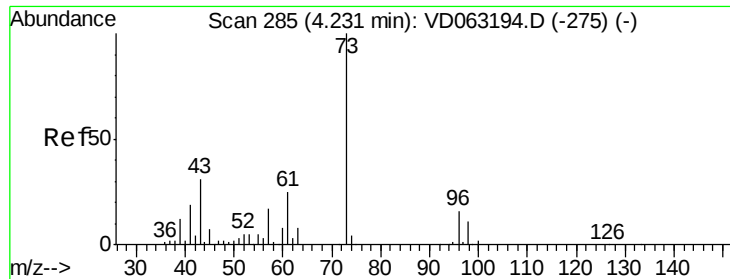
74 19.8 13.8 20.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

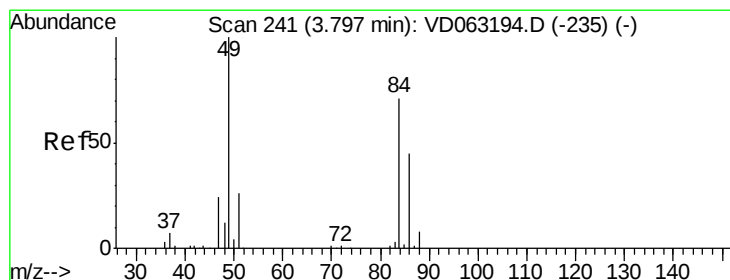
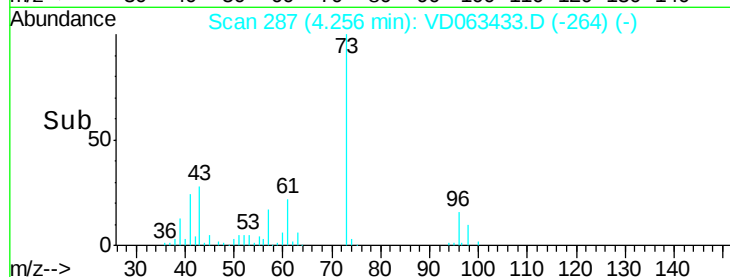
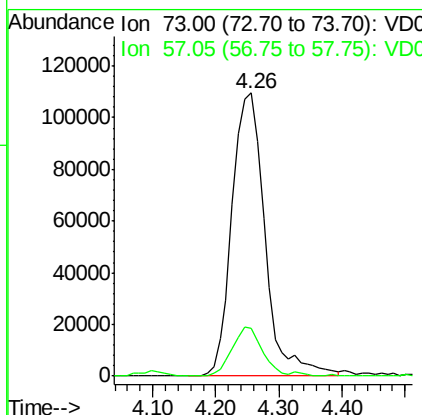
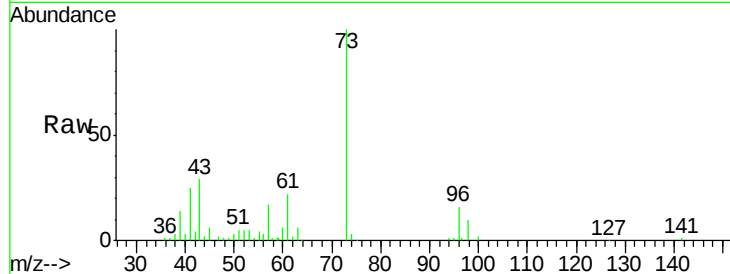




#19
Methyl tert-butyl Ether
Concen: 23.768 ug/l
RT: 4.26 min Scan# 287
Delta R.T. 0.03 min
Lab File: VD063433.D
Acq: 8 Aug 2019 12:54

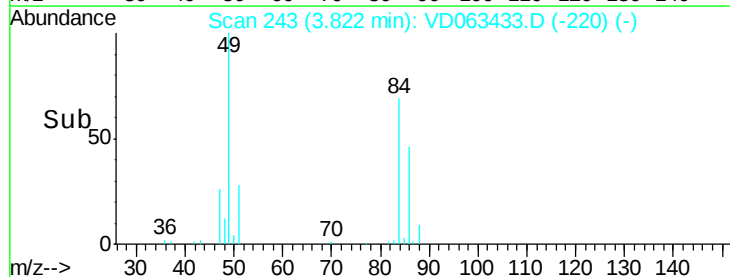
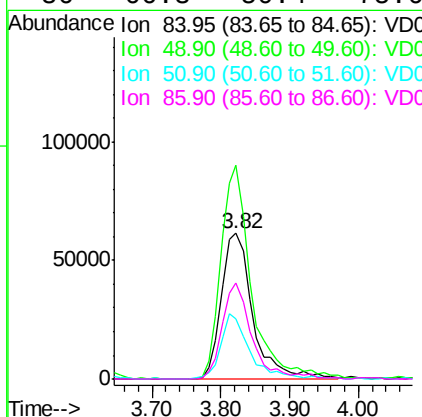
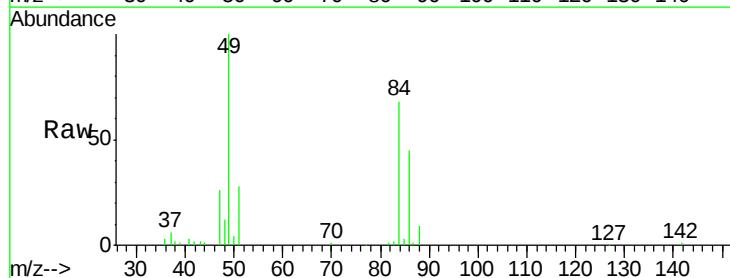
Instrument :
MSVOA_D
ClientSampleId :
VD0808SBS01

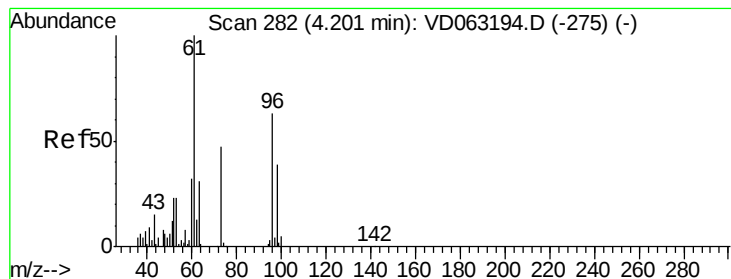
Tot Ion: 73 Resp: 397328
Ion Ratio Lower Upper
73 100
57 17.1 13.8 20.6



#20
Methylene Chloride
Concen: 23.386 ug/l
RT: 3.82 min Scan# 243
Delta R.T. 0.03 min
Lab File: VD063433.D
Acq: 8 Aug 2019 12:54

Tgt Ion: 84 Resp: 194991
Ion Ratio Lower Upper
84 100
49 146.9 112.5 168.7
51 41.6 29.6 44.4
86 66.3 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 23.852 ug/l

RT: 4.23 min Scan# 284

Delta R.T. 0.03 min

Lab File: VD063433.D

Acq: 8 Aug 2019 12:54

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBSD01

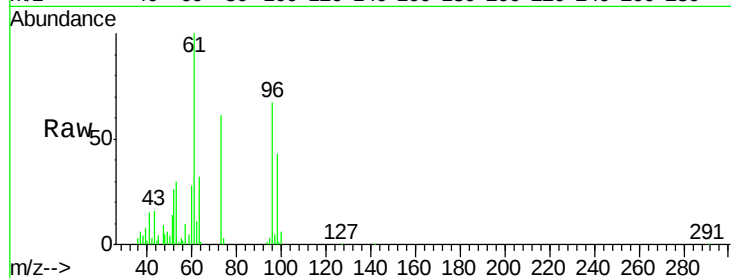
Tot Ion: 96 Resp: 198068

Ion Ratio Lower Upper

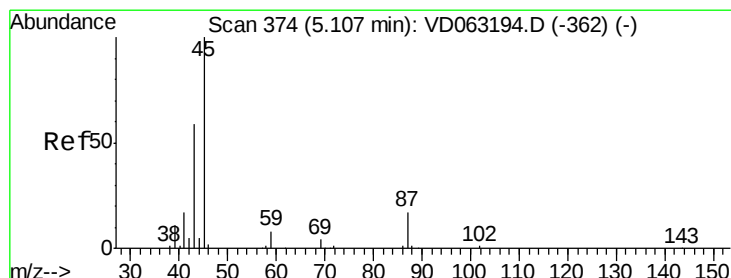
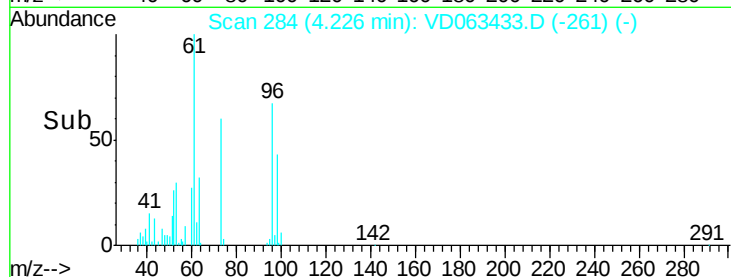
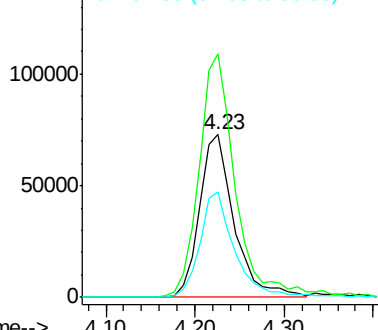
96 100

61 149.4 127.4 191.2

98 64.9 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: 24.021 ug/l

RT: 5.13 min Scan# 376

Delta R.T. 0.03 min

Lab File: VD063433.D

Acq: 8 Aug 2019 12:54

Tgt Ion: 45 Resp: 565792

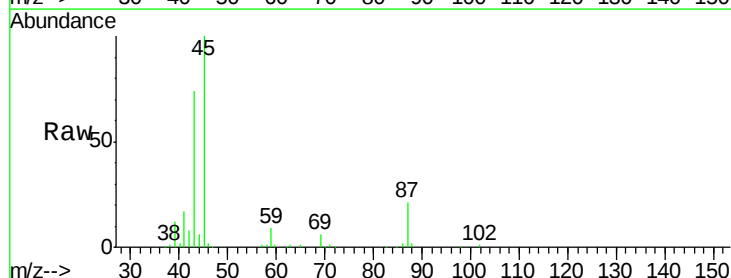
Ion Ratio Lower Upper

45 100

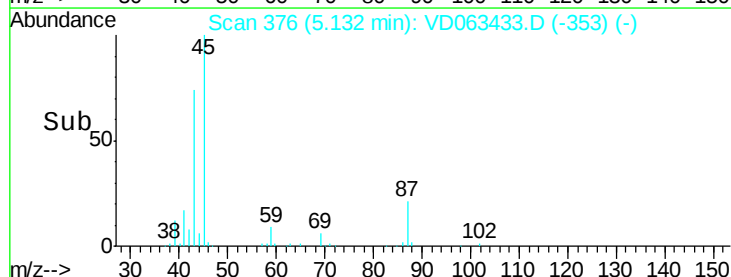
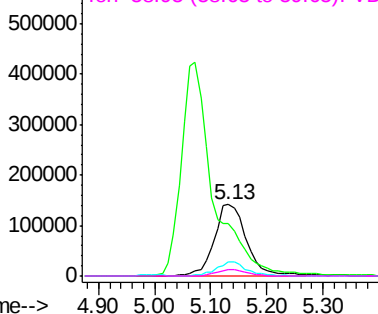
43 74.1 51.7 77.5

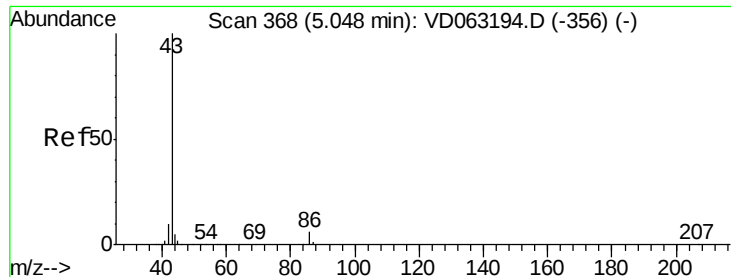
87 20.6 14.6 21.8

59 9.2 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: 115.832 ug/l

RT: 5.07 min Scan# 370

Delta R.T. 0.03 min

Lab File: VD063433.D

Acq: 8 Aug 2019 12:54

Instrument :

MSVOA_D

ClientSampleId :

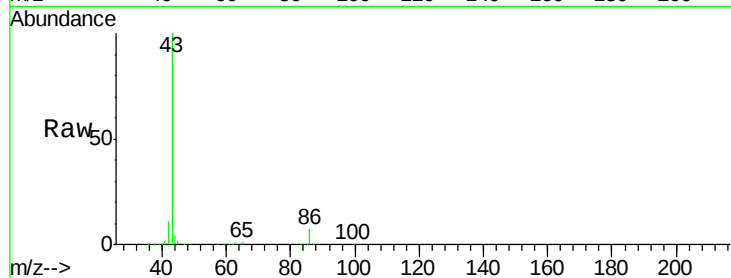
VD0808SBSD01

Tot Ion: 43 Resp: 1677127

Ion Ratio Lower Upper

43 100

86 6.9 4.9 7.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

500000

400000

300000

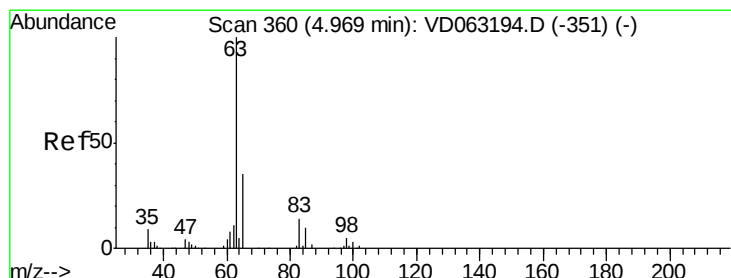
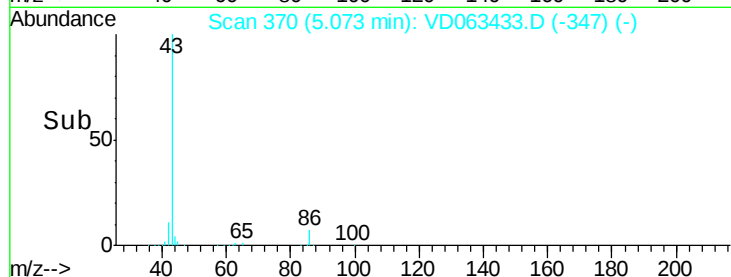
200000

100000

0

4.90 5.00 5.10 5.20

Time-->



#24

1,1-Dichloroethane

Concen: 24.206 ug/l

RT: 4.99 min Scan# 362

Delta R.T. 0.03 min

Lab File: VD063433.D

Acq: 8 Aug 2019 12:54

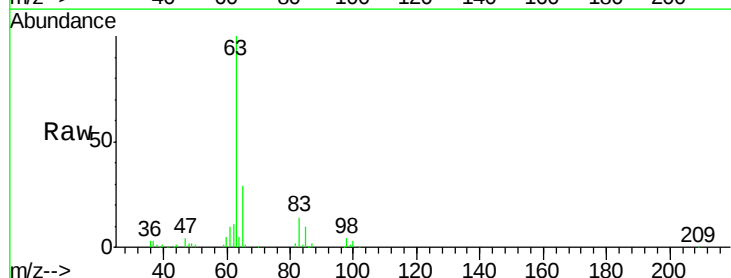
Tgt Ion: 63 Resp: 364193

Ion Ratio Lower Upper

63 100

98 4.5 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

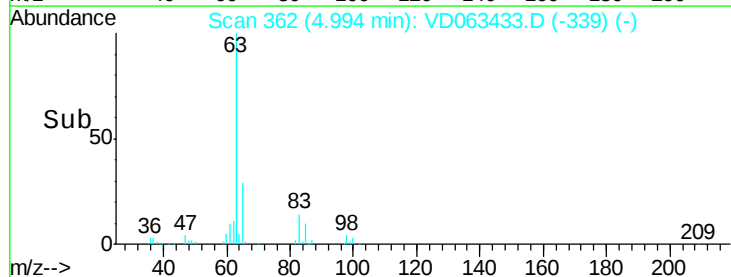
100000

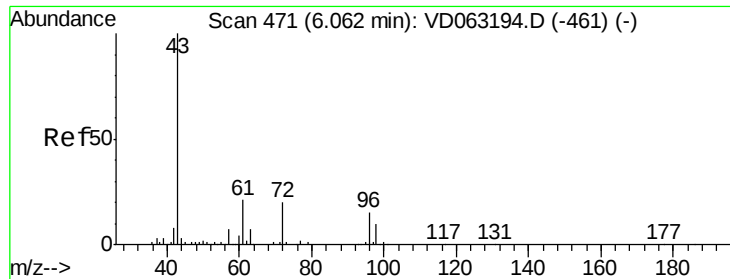
50000

0

4.80 4.90 5.00 5.10 5.20

Time-->





#25

2-Butanone

Concen: 116.442 ug/l

RT: 6.09 min Scan# 473

Delta R.T. 0.03 min

Lab File: VD063433.D

Acq: 8 Aug 2019 12:54

Instrument :

MSVOA_D

ClientSampleId :

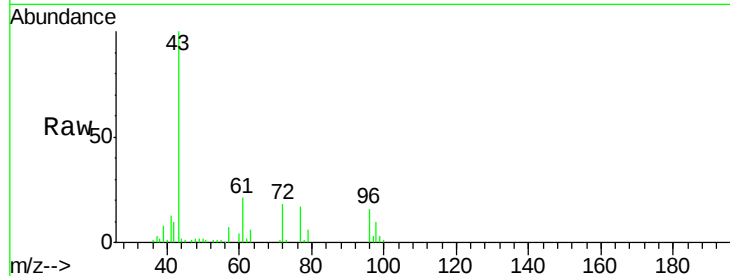
VD0808SBSD01

Tot Ion: 43 Resp: 241057

Ion Ratio Lower Upper

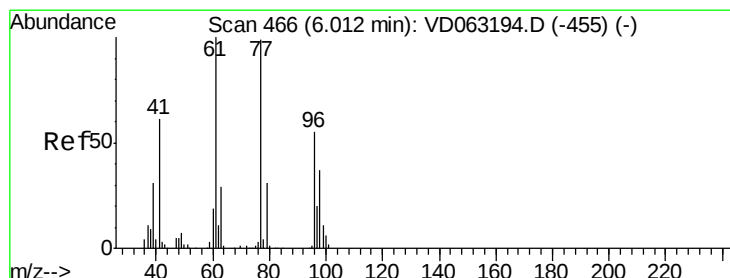
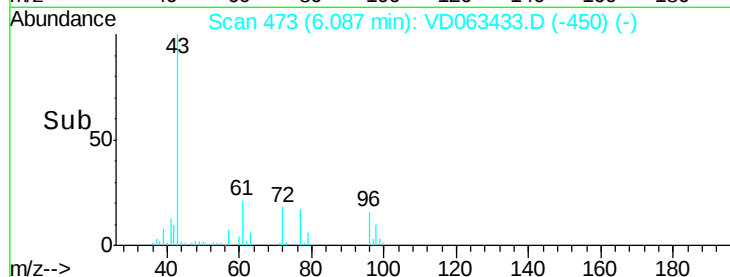
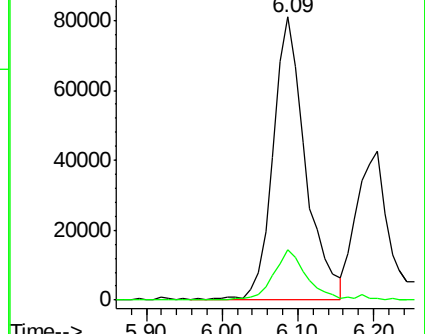
43 100

72 17.8 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: 22.435 ug/l

RT: 6.04 min Scan# 468

Delta R.T. 0.03 min

Lab File: VD063433.D

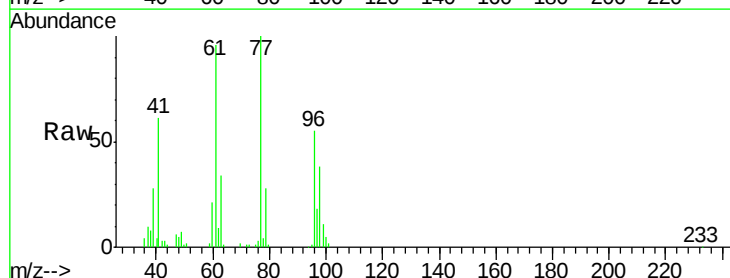
Acq: 8 Aug 2019 12:54

Tgt Ion: 77 Resp: 347850

Ion Ratio Lower Upper

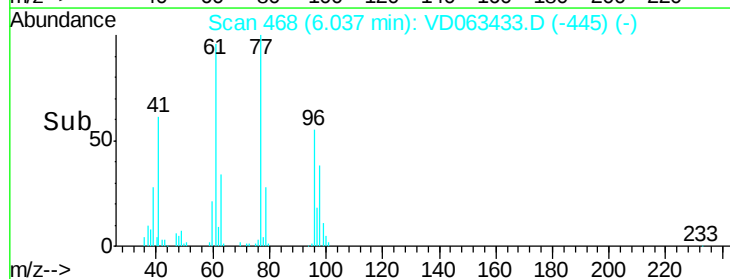
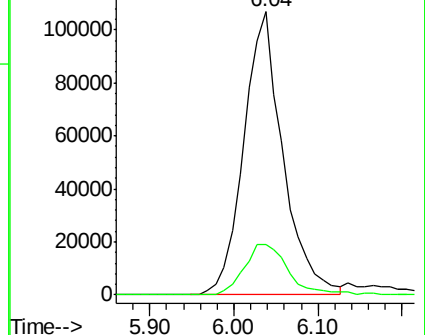
77 100

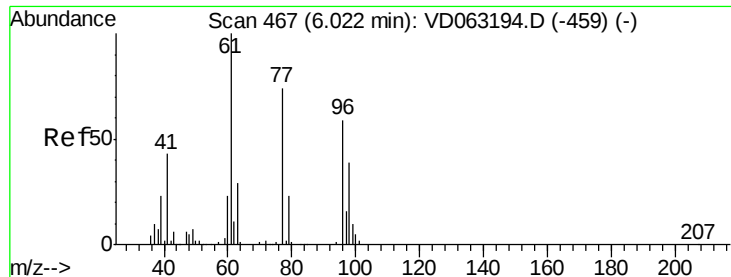
97 17.9 10.2 30.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



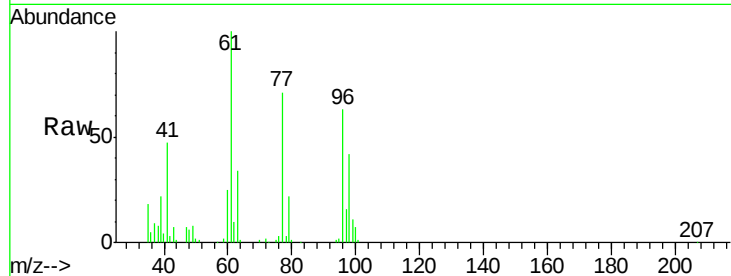


#27

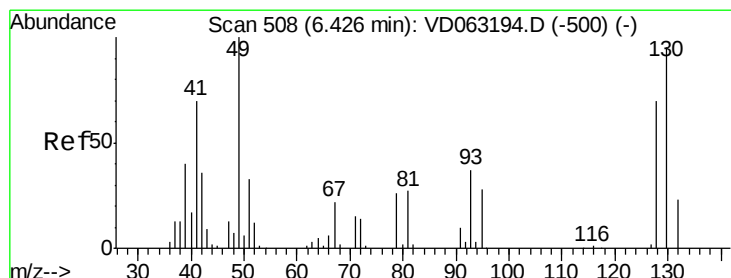
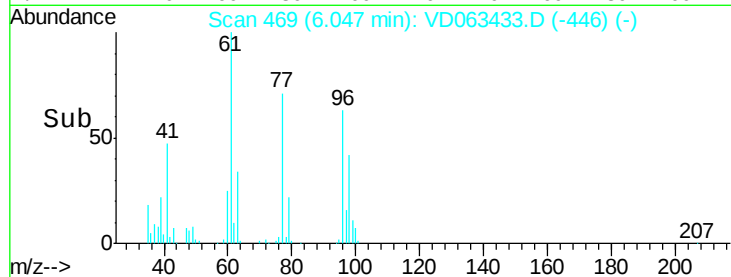
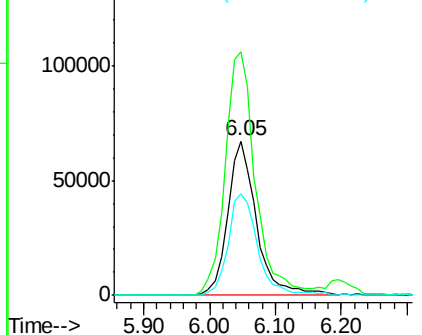
cis-1,2-Dichloroethene
 Concen: 23.095 ug/l
 RT: 6.05 min Scan# 469
 Delta R.T. 0.03 min
 Lab File: VD063433.D
 Acq: 8 Aug 2019 12:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0808SBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	157.9	0.0	337.2
98	65.7	0.0	130.6



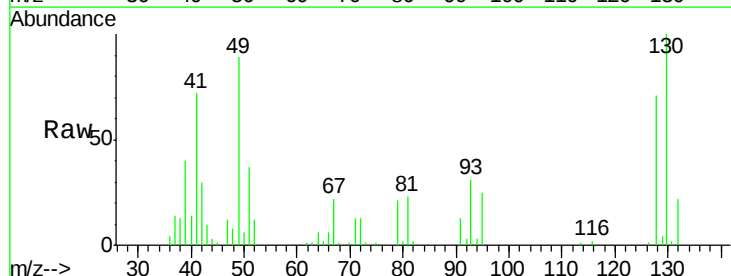
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



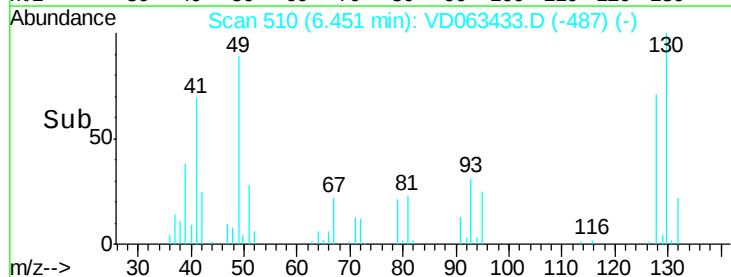
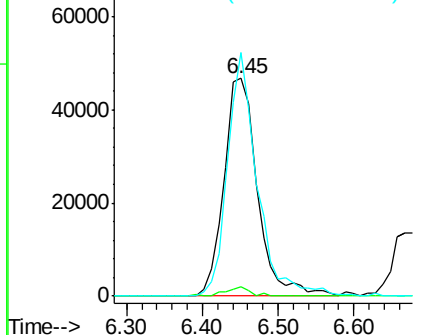
#28

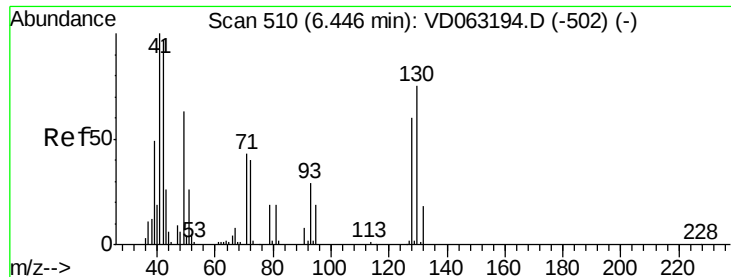
Bromochloromethane
 Concen: 23.857 ug/l
 RT: 6.45 min Scan# 510
 Delta R.T. 0.03 min
 Lab File: VD063433.D
 Acq: 8 Aug 2019 12:54

Tgt Ion	Ratio	Lower	Upper
49	100		
129	4.1	0.0	0.0#
130	111.8	75.7	113.5



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





#29

Tetrahydrofuran

Concen: 121.620 ug/l

RT: 6.48 min Scan# 513

Delta R.T. 0.03 min

Lab File: VD063433.D

Acq: 8 Aug 2019 12:54

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBSD01

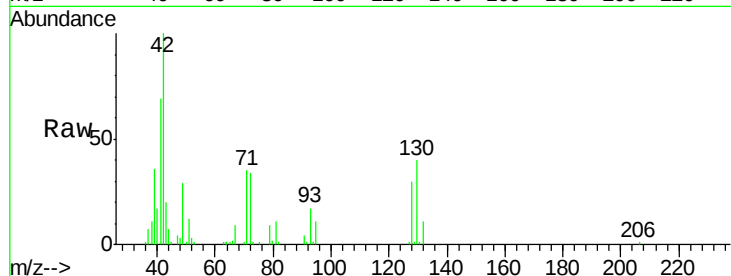
Tot Ion: 42 Resp: 119204

Ion Ratio Lower Upper

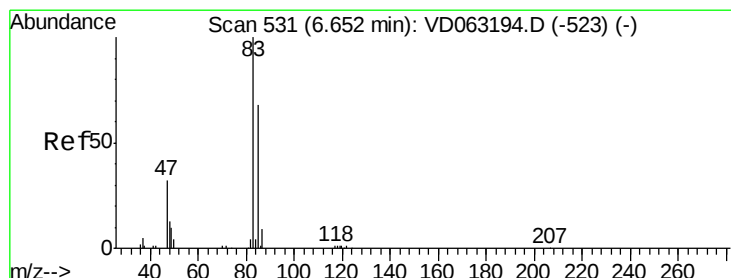
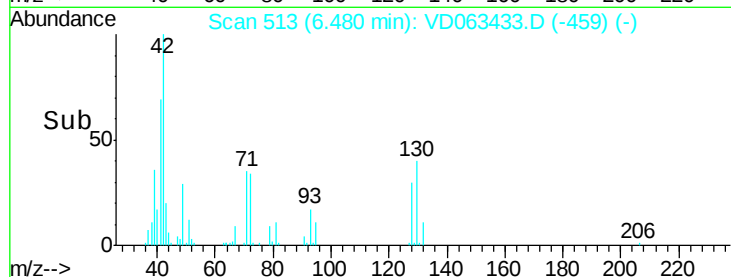
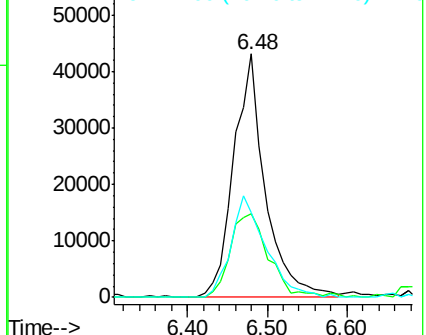
42 100

72 42.3 33.4 50.2

71 46.0 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: 23.592 ug/l

RT: 6.68 min Scan# 533

Delta R.T. 0.03 min

Lab File: VD063433.D

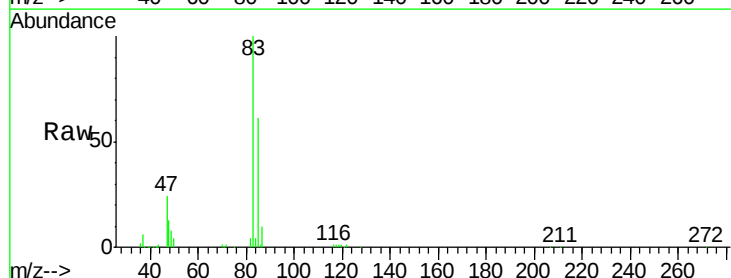
Acq: 8 Aug 2019 12:54

Tgt Ion: 83 Resp: 440507

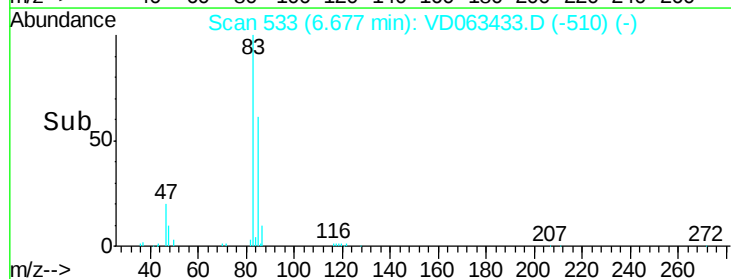
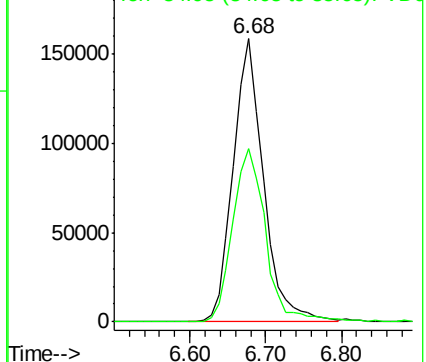
Ion Ratio Lower Upper

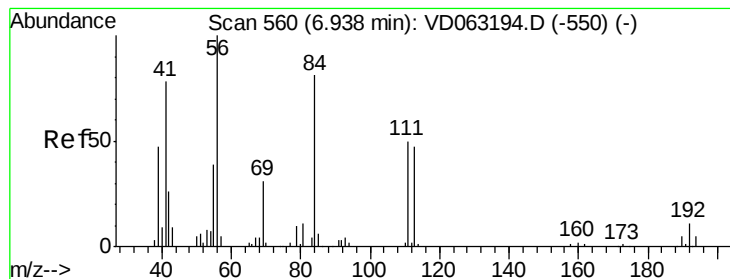
83 100

85 61.3 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: 22.229 ug/l

RT: 6.95 min Scan# 561

Delta R.T. 0.02 min

Lab File: VD063433.D

Acq: 8 Aug 2019 12:54

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBSD01

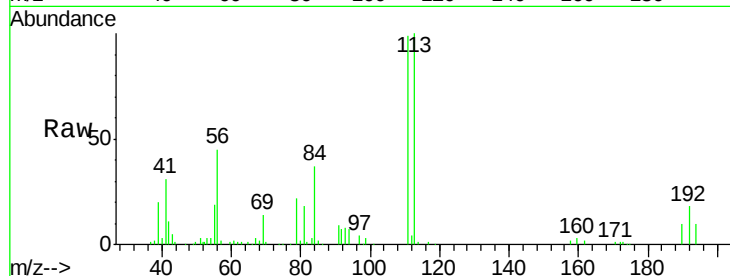
Tot Ion: 56 Resp: 209637

Ion Ratio Lower Upper

56 100

69 30.8 24.5 36.7

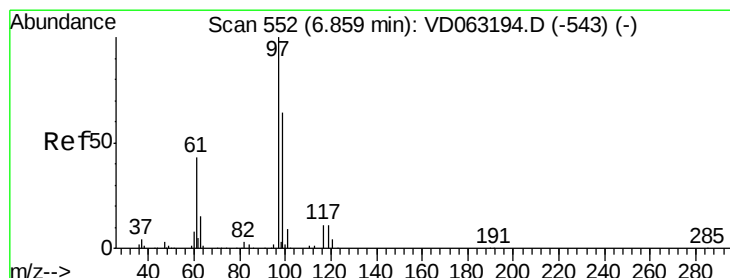
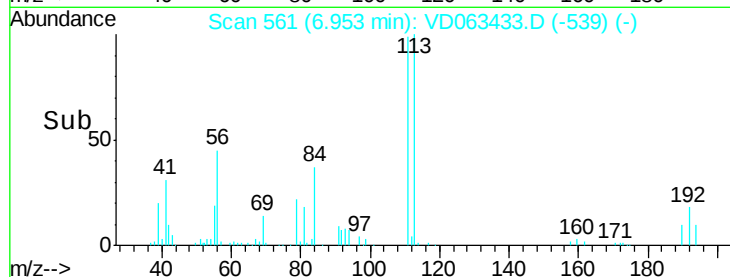
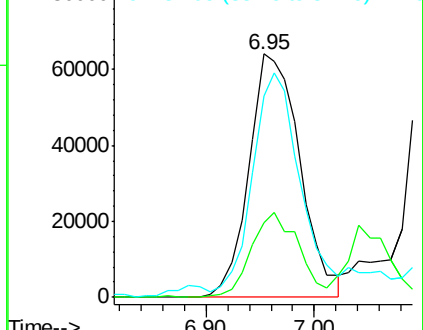
84 82.6 64.9 97.3



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: 23.720 ug/l

RT: 6.88 min Scan# 554

Delta R.T. 0.03 min

Lab File: VD063433.D

Acq: 8 Aug 2019 12:54

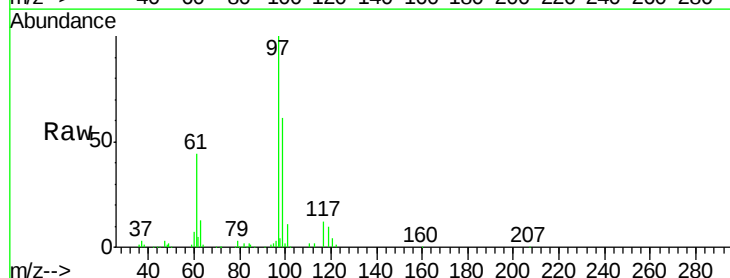
Tgt Ion: 97 Resp: 428399

Ion Ratio Lower Upper

97 100

99 60.7 51.2 76.8

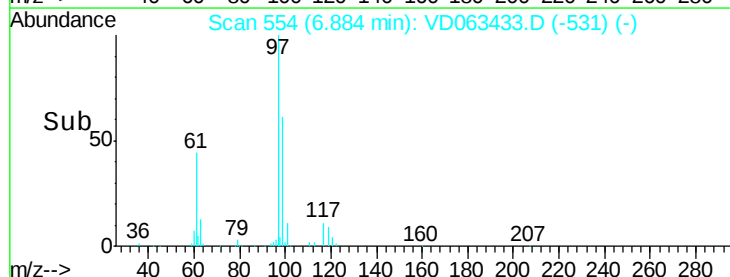
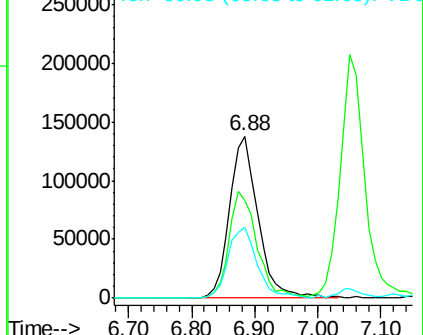
61 43.5 34.2 51.2

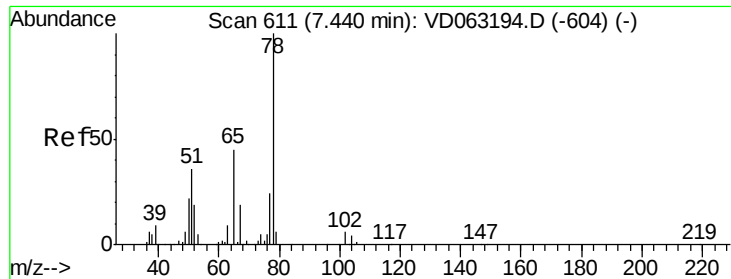


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 98.85 (98.55 to 99.55): VDC

Ion 60.95 (60.65 to 61.65): VDC





#33

1,2-Dichloroethane-d4

Concen: 53.899 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.03 min

Lab File: VD063433.D

Acq: 8 Aug 2019 12:54

Instrument :

MSVOA_D

ClientSampleId :

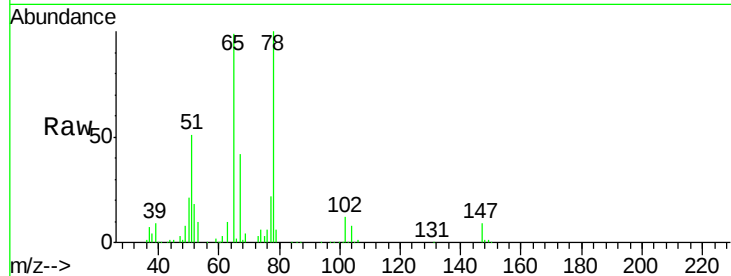
VD0808SBSD01

Tot Ion: 65 Resp: 570644

Ion Ratio Lower Upper

65 100

67 42.0 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

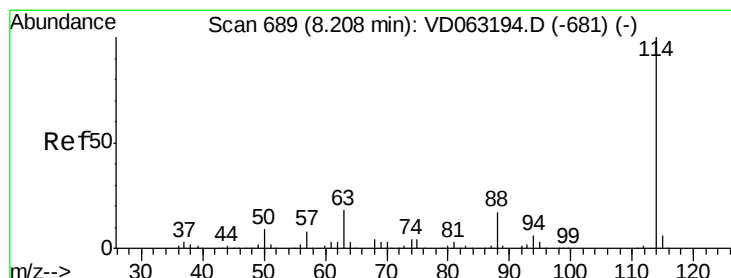
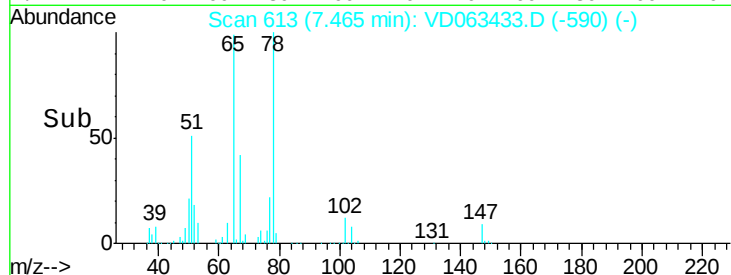
150000

100000

50000

0

Time--> 7.30 7.40 7.50 7.60



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. 0.02 min

Lab File: VD063433.D

Acq: 8 Aug 2019 12:54

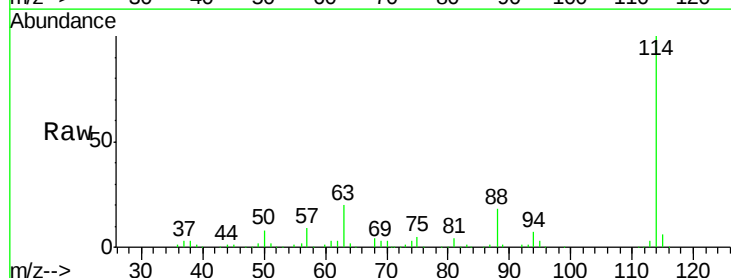
Tgt Ion: 114 Resp: 1298720

Ion Ratio Lower Upper

114 100

63 20.1 0.0 35.2

88 17.7 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

8.22

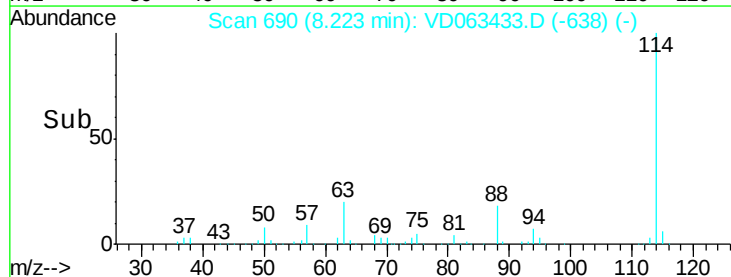
600000

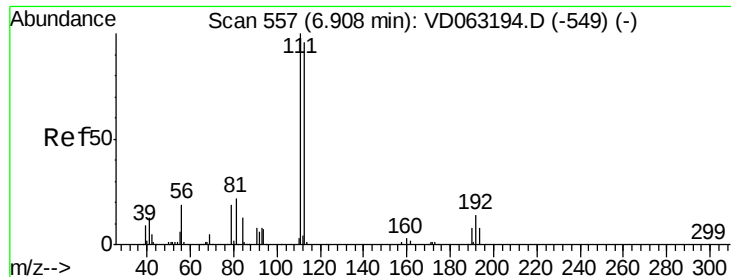
400000

200000

0

Time--> 8.10 8.20 8.30 8.40 8.50





#35

Dibromofluoromethane

Concen: 59.026 ug/l

RT: 6.93 min Scan# 559

Delta R.T. 0.03 min

Lab File: VD063433.D

Acq: 8 Aug 2019 12:54

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBSD01

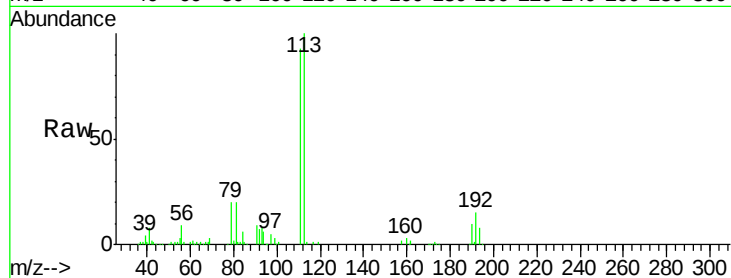
Tot Ion:113 Resp: 654499

Ion Ratio Lower Upper

113 100

111 93.2 83.2 124.8

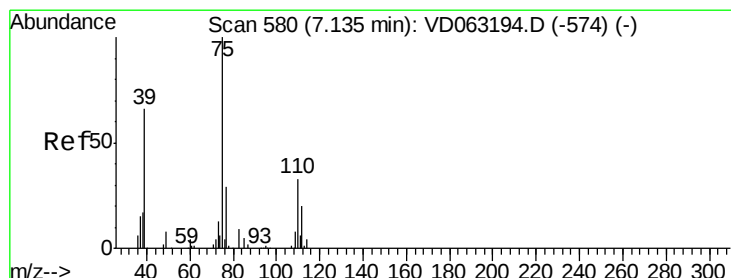
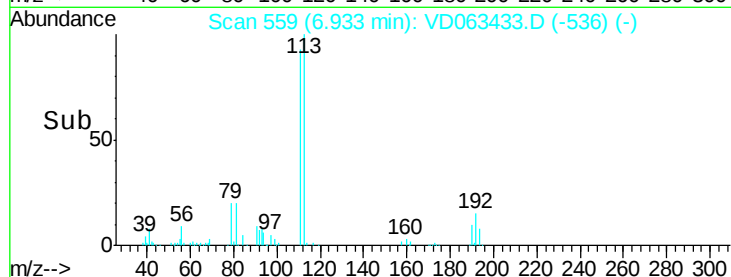
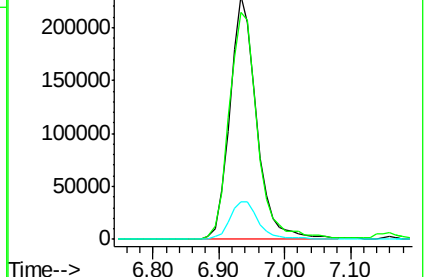
192 15.3 11.8 17.8



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: 24.635 ug/l

RT: 7.16 min Scan# 582

Delta R.T. 0.03 min

Lab File: VD063433.D

Acq: 8 Aug 2019 12:54

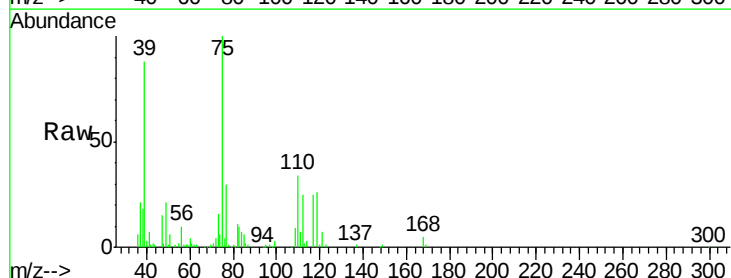
Tgt Ion: 75 Resp: 291990

Ion Ratio Lower Upper

75 100

110 34.3 16.1 48.2

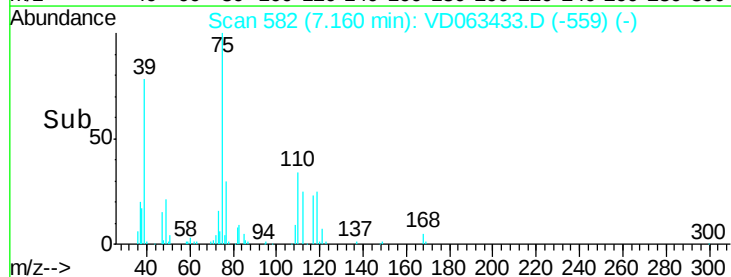
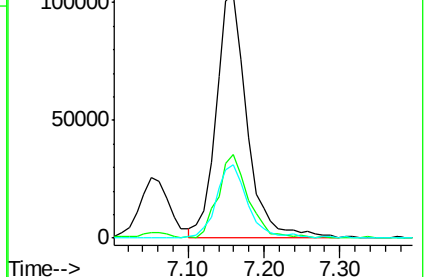
77 30.4 22.7 34.1

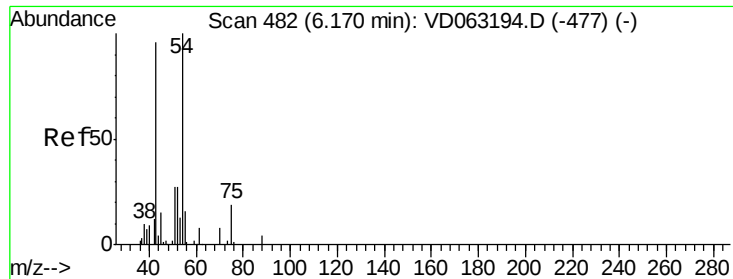


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

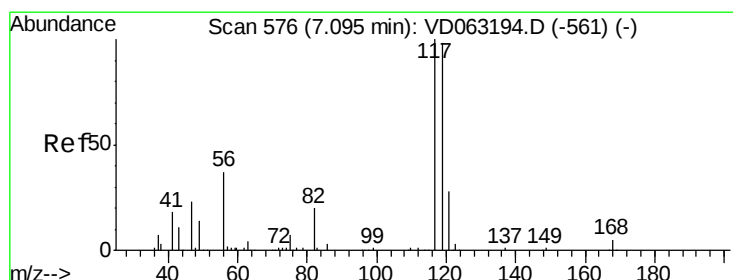
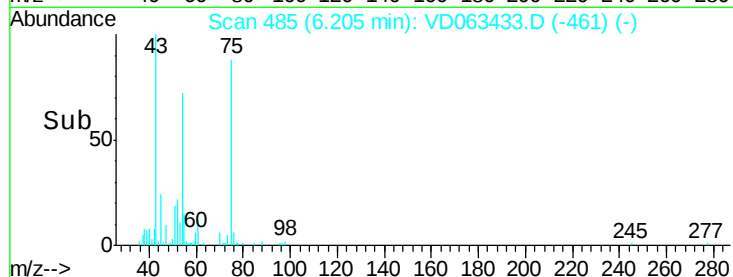
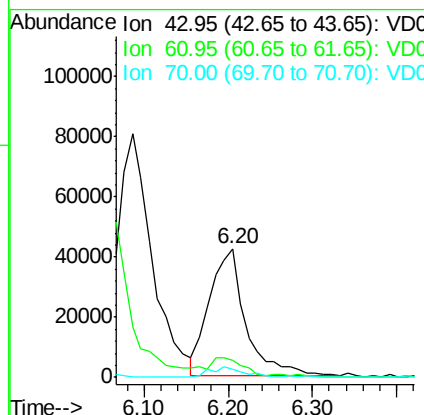
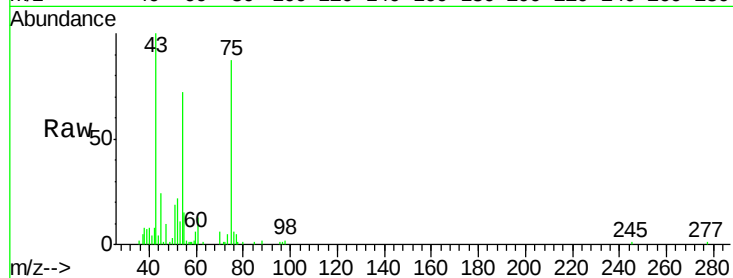




#37
Ethyl Acetate
Concen: 24.083 ug/l
RT: 6.20 min Scan# 485
Delta R.T. 0.03 min
Lab File: VD063433.D
Acq: 8 Aug 2019 12:54

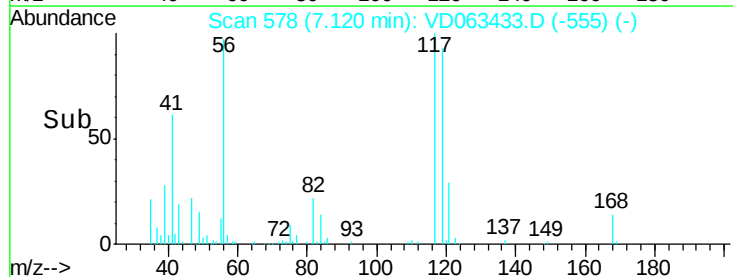
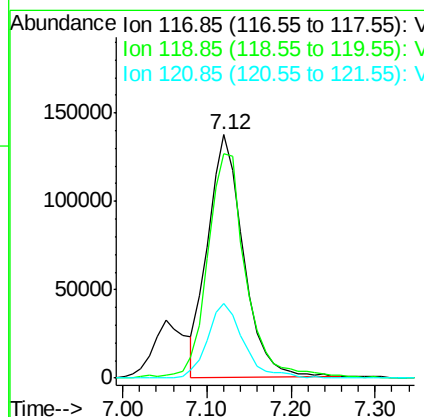
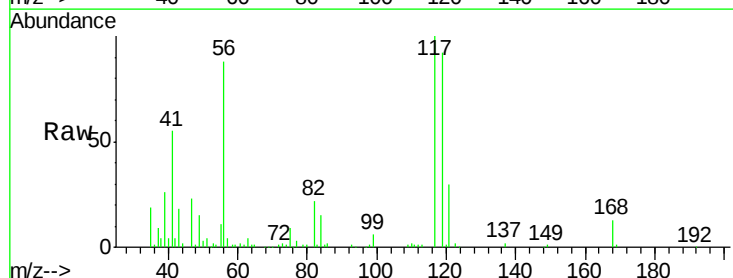
Instrument :
MSVOA_D
ClientSampleId :
VD0808SBSD01

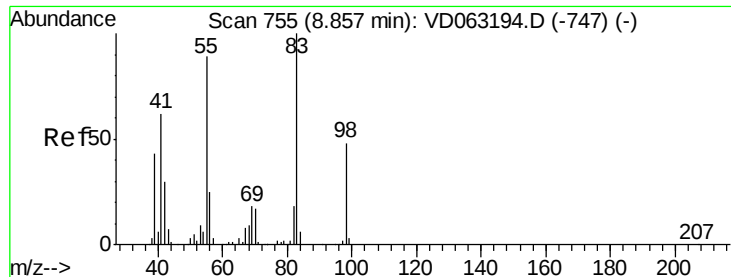
Tot Ion: 43 Resp: 128237
Ion Ratio Lower Upper
43 100
61 13.3 11.3 16.9
70 6.2 5.1 7.7



#38
Carbon Tetrachloride
Concen: 22.519 ug/l
RT: 7.12 min Scan# 578
Delta R.T. 0.03 min
Lab File: VD063433.D
Acq: 8 Aug 2019 12:54

Tgt Ion: 117 Resp: 401823
Ion Ratio Lower Upper
117 100
119 92.3 78.2 117.2
121 30.5 22.1 33.1

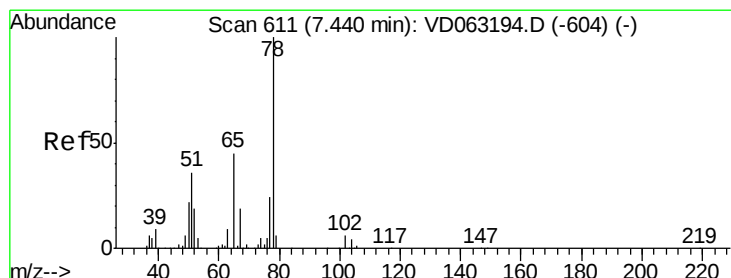
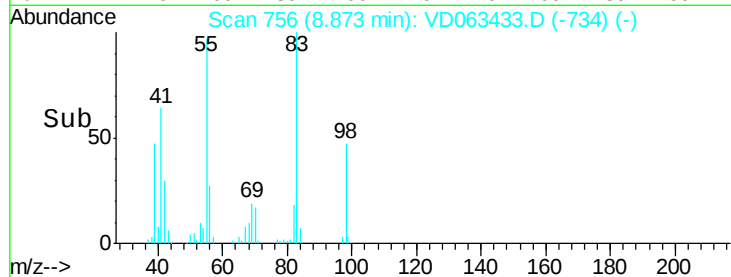
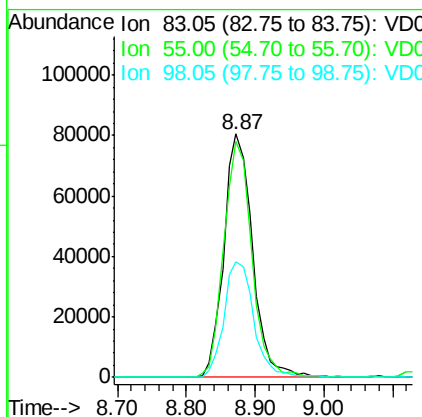
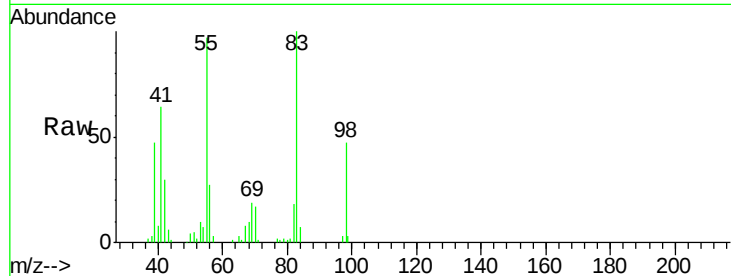




#39
Methvlcvclohexane
Concen: 23.519 ug/l
RT: 8.87 min Scan# 756
Delta R.T. 0.02 min
Lab File: VD063433.D
Acq: 8 Aug 2019 12:54

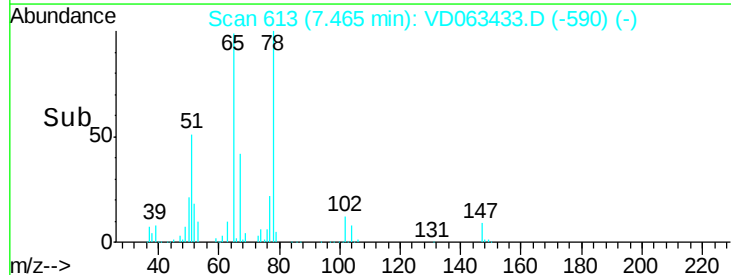
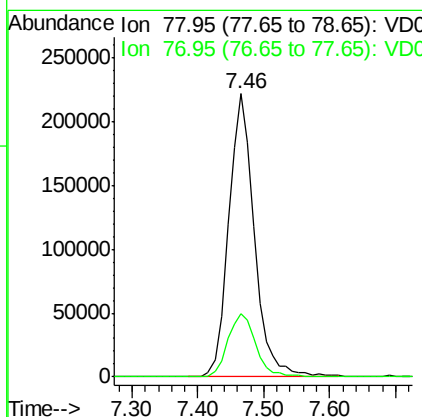
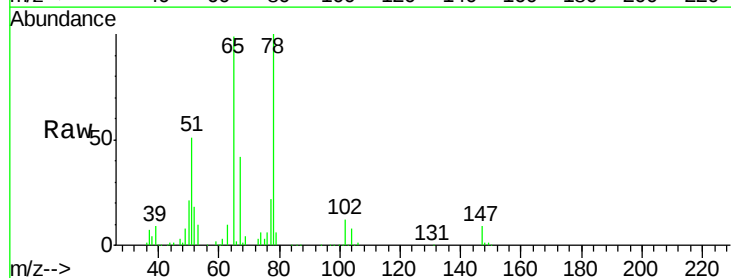
Instrument :
MSVOA_D
ClientSampleId :
VD0808SBS01

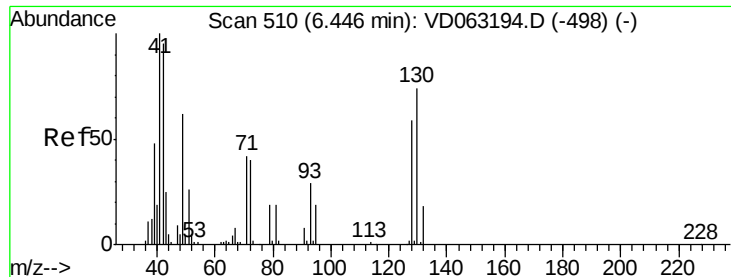
Tot Ion	83	Resp	232256
Ion Ratio	Lower	Upper	
83	100		
55	96.7	71.1	106.7
98	47.5	38.5	57.7



#40
Benzene
Concen: 24.347 ug/l
RT: 7.46 min Scan# 613
Delta R.T. 0.03 min
Lab File: VD063433.D
Acq: 8 Aug 2019 12:54

Tgt Ion	78	Resp	604803
Ion Ratio	Lower	Upper	
78	100		
77	22.2	19.4	29.2





#41

Methacrylonitrile

Concen: 25.149 ug/l

RT: 6.45 min Scan# 510

Delta R.T. 0.01 min

Lab File: VD063433.D

Acq: 8 Aug 2019 12:54

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBSD01

Tot Ion: 41 Resp: 160188

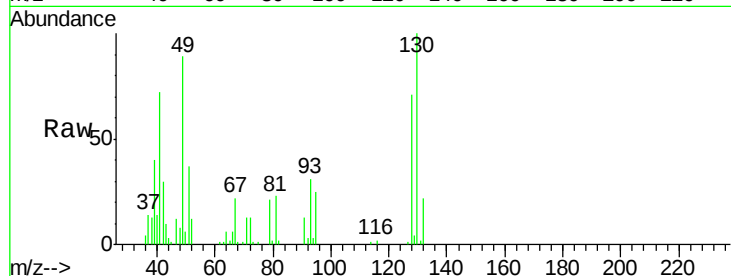
Ion Ratio Lower Upper

41 100

39 55.7 38.4 57.6

67 30.5 6.7 10.1#

52 16.5 4.3 6.5#

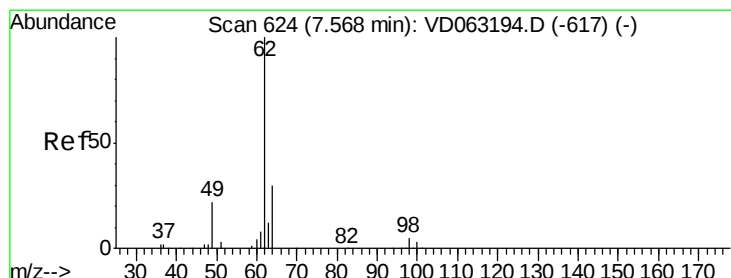
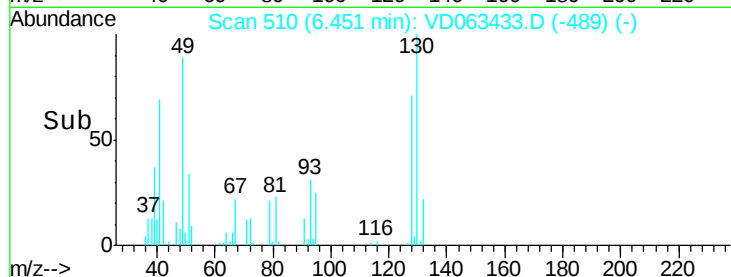
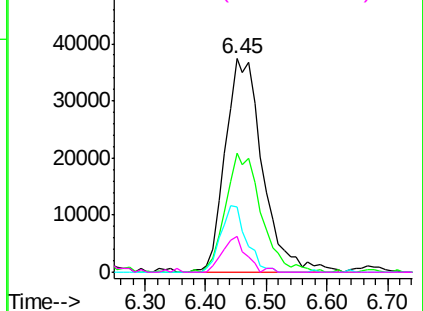


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 24.200 ug/l

RT: 7.58 min Scan# 625

Delta R.T. 0.02 min

Lab File: VD063433.D

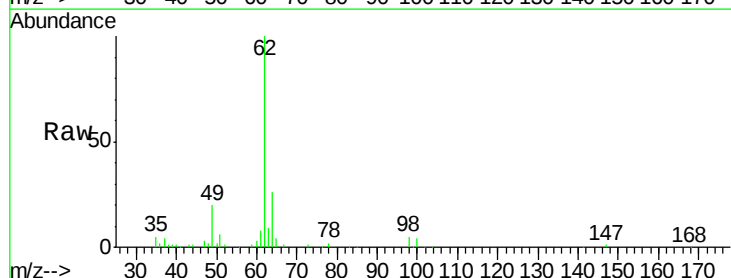
Acq: 8 Aug 2019 12:54

Tgt Ion: 62 Resp: 318587

Ion Ratio Lower Upper

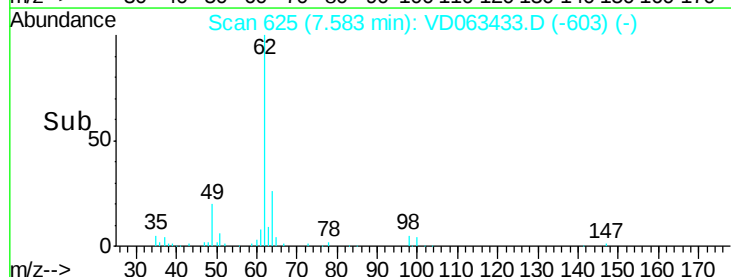
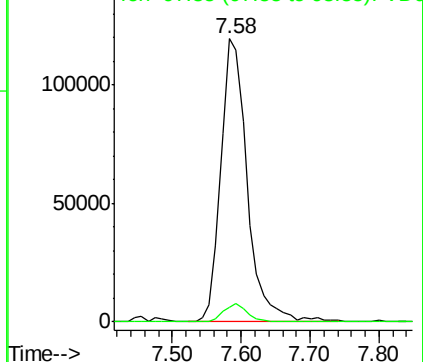
62 100

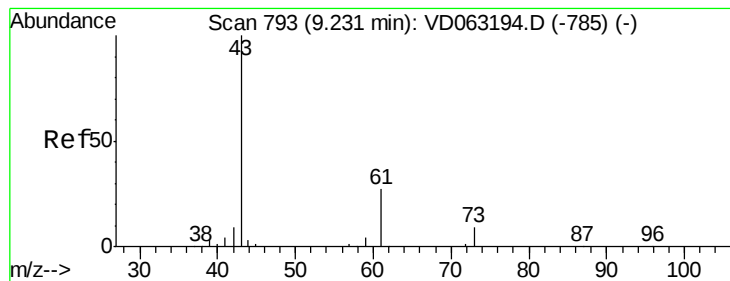
98 5.0 0.0 9.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



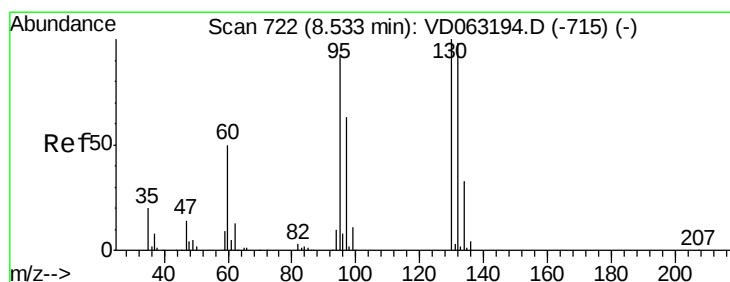
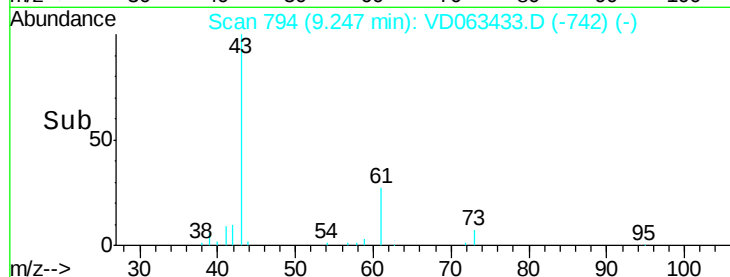
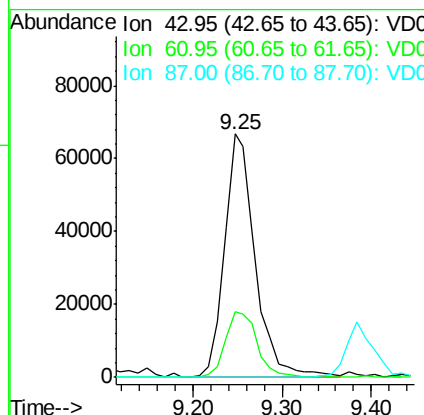
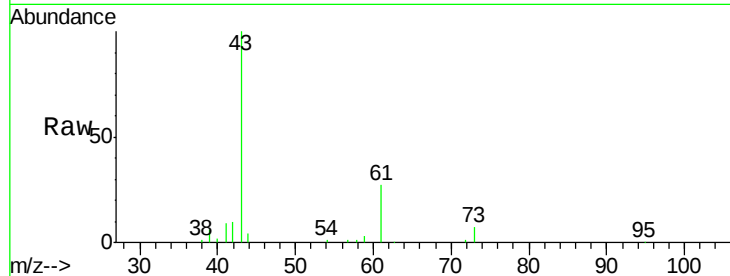


#43

Isopropyl Acetate
 Concen: 23.751 ug/l
 RT: 9.25 min Scan# 794
 Delta R.T. 0.02 min
 Lab File: VD063433.D
 Acq: 8 Aug 2019 12:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0808SBS01

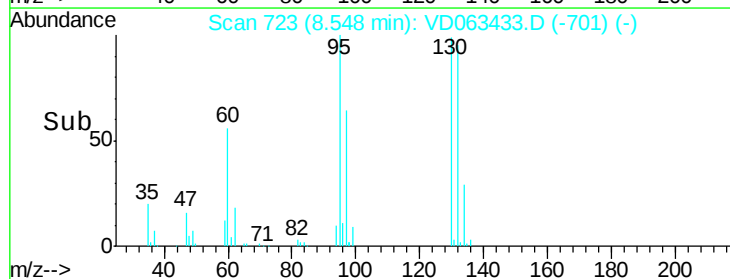
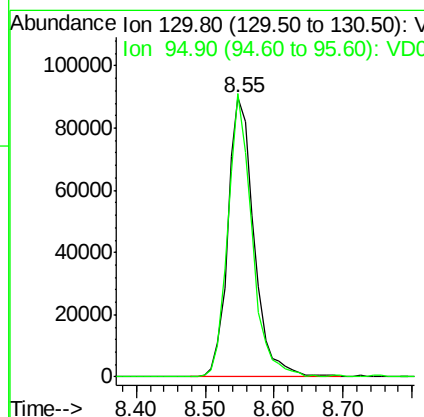
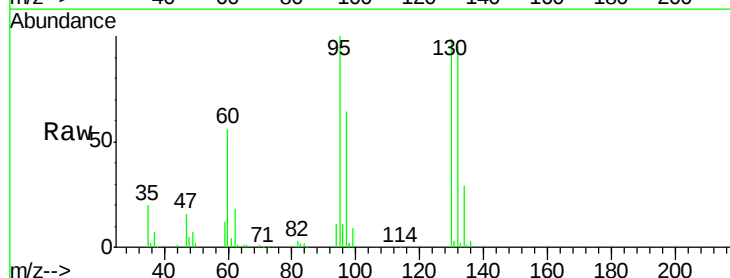
Tot Ion: 43 Resp: 161550
 Ion Ratio Lower Upper
 43 100
 61 27.1 21.4 32.0
 87 0.0 0.2 0.4#

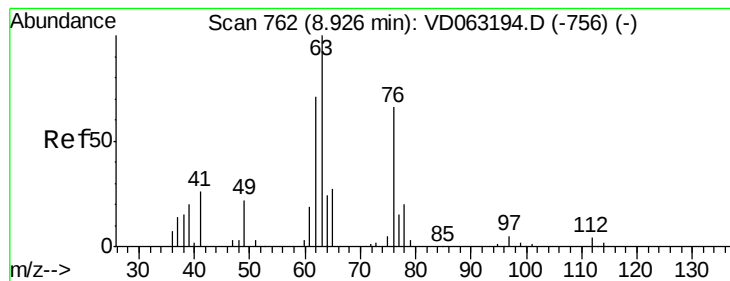


#44

Trichloroethene
 Concen: 23.400 ug/l
 RT: 8.55 min Scan# 723
 Delta R.T. 0.02 min
 Lab File: VD063433.D
 Acq: 8 Aug 2019 12:54

Tgt Ion: 130 Resp: 235539
 Ion Ratio Lower Upper
 130 100
 95 101.4 0.0 185.4





#45

1,2-Dichloropropane

Concen: 23.540 ug/l

RT: 8.95 min Scan# 764

Delta R.T. 0.03 min

Lab File: VD063433.D

Acq: 8 Aug 2019 12:54

Instrument :

MSVOA_D

ClientSampleId :

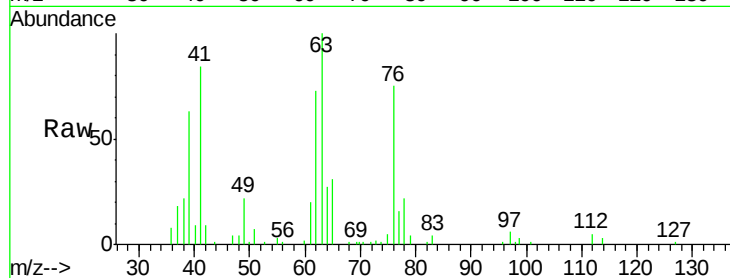
VD0808SBSD01

Tot Ion: 63 Resp: 148625

Ion Ratio Lower Upper

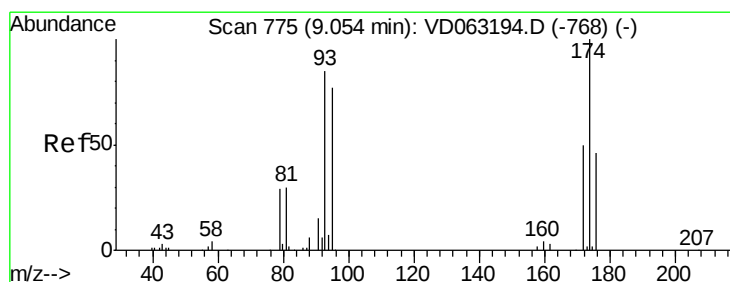
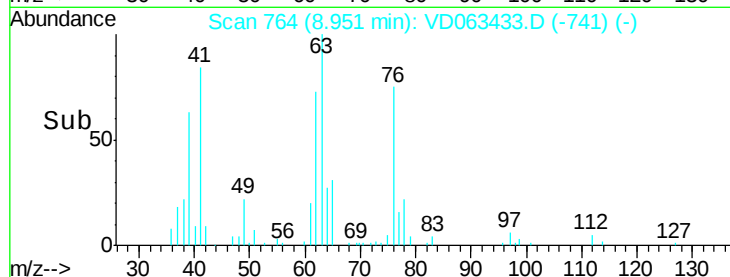
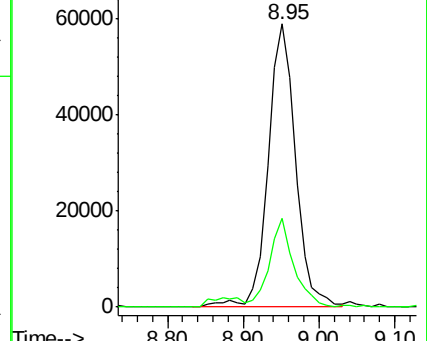
63 100

65 31.4 23.6 35.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 23.619 ug/l

RT: 9.08 min Scan# 777

Delta R.T. 0.03 min

Lab File: VD063433.D

Acq: 8 Aug 2019 12:54

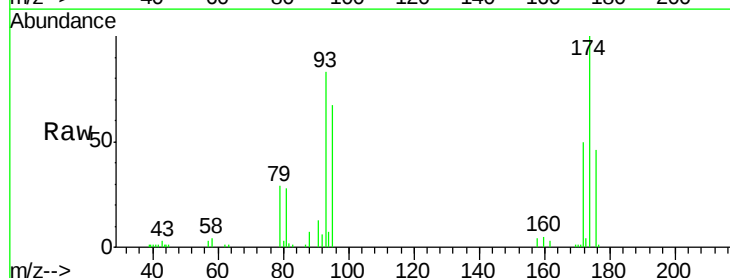
Tgt Ion: 93 Resp: 123995

Ion Ratio Lower Upper

93 100

95 80.3 72.8 109.2

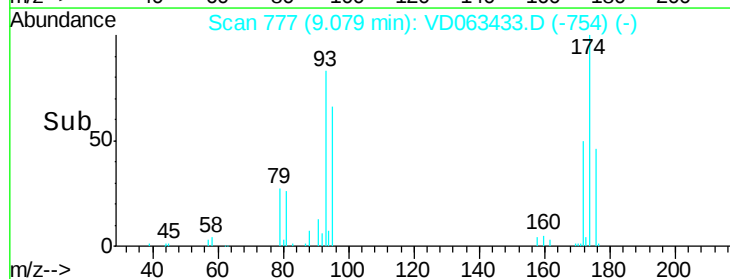
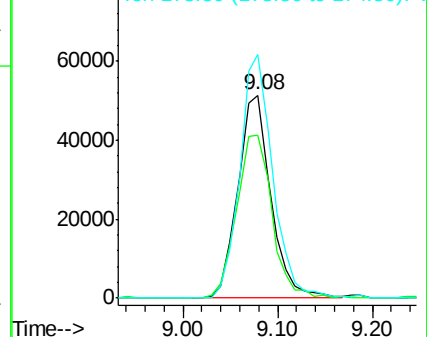
174 120.0 94.4 141.6

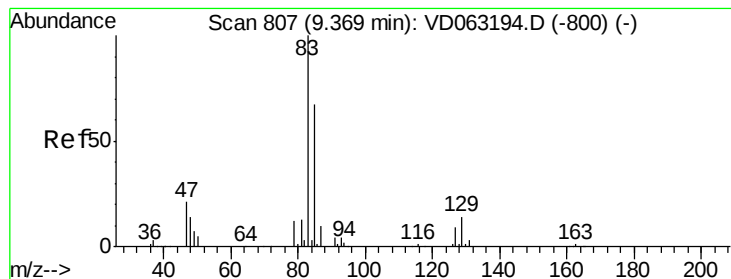


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 23.638 ug/l

RT: 9.38 min Scan# 808

Delta R.T. 0.02 min

Lab File: VD063433.D

Acq: 8 Aug 2019 12:54

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBSD01

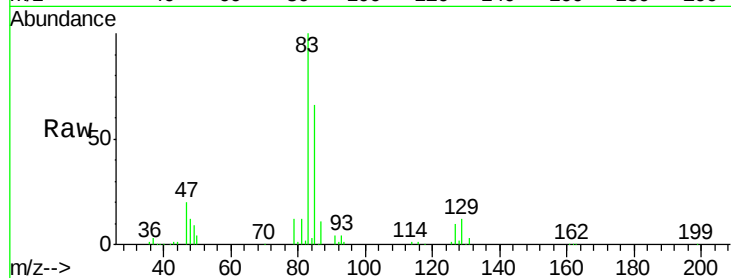
Tot Ion: 83 Resp: 316329

Ion Ratio Lower Upper

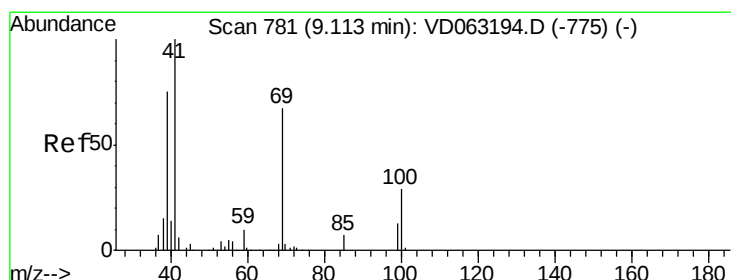
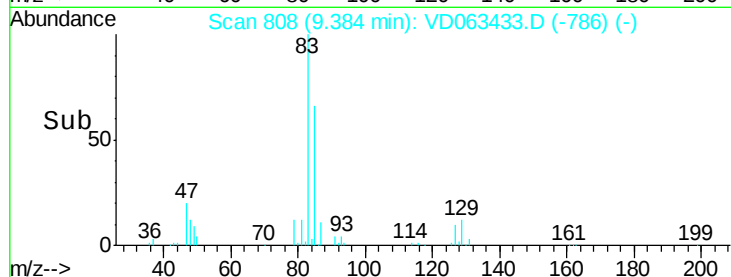
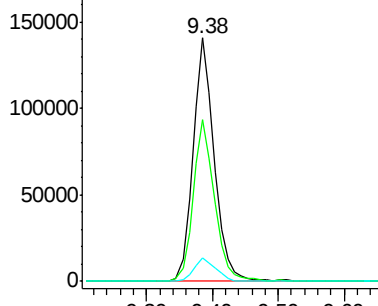
83 100

85 66.4 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: 24.628 ug/l

RT: 9.13 min Scan# 782

Delta R.T. 0.02 min

Lab File: VD063433.D

Acq: 8 Aug 2019 12:54

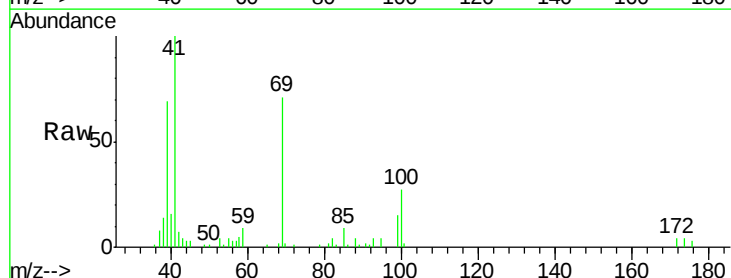
Tgt Ion: 41 Resp: 108644

Ion Ratio Lower Upper

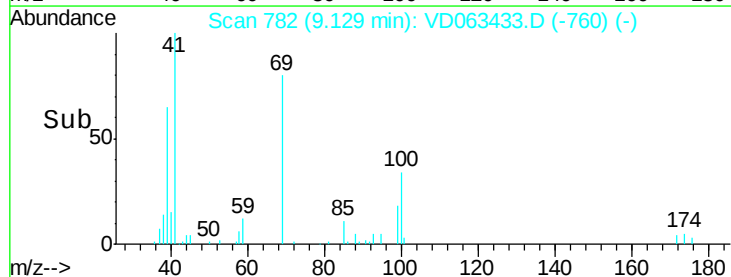
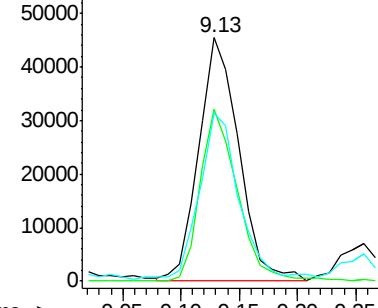
41 100

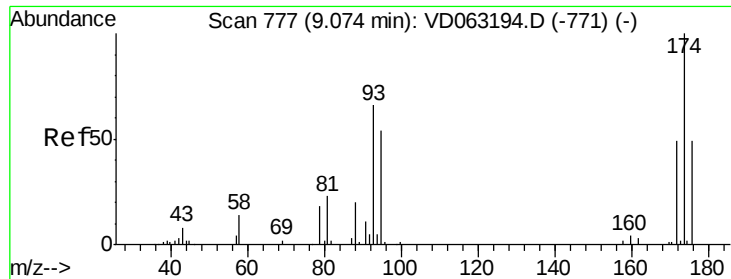
69 70.8 53.4 80.0

39 69.0 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

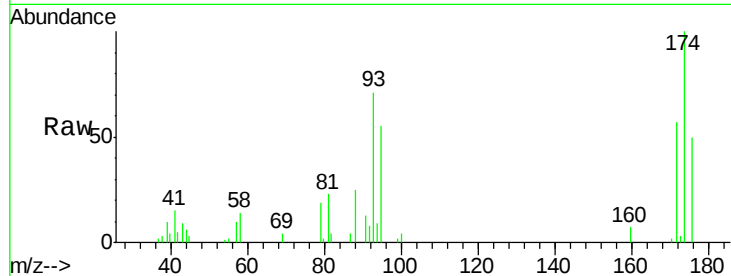




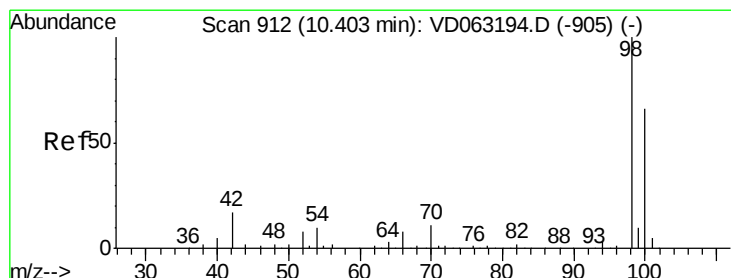
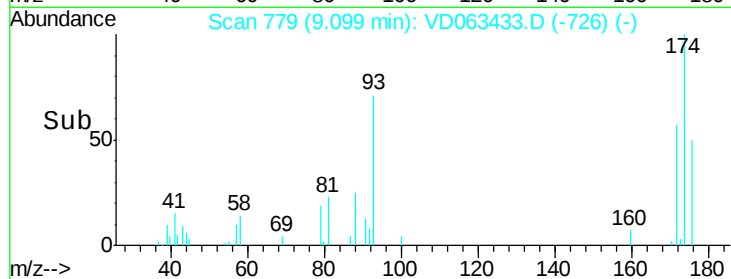
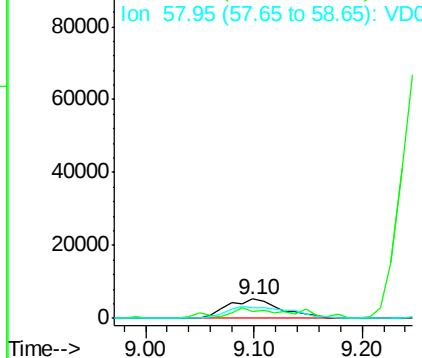
#49
1,4-Dioxane
Concen: 487.588 ug/l
RT: 9.10 min Scan# 779
Delta R.T. 0.03 min
Lab File: VD063433.D
Acq: 8 Aug 2019 12:54

Instrument :
MSVOA_D
ClientSampleId :
VD0808SBSD01

Tot Ion: 88 Resp: 18300
Ion Ratio Lower Upper
88 100
43 36.1 30.7 46.1
58 56.2 56.5 84.7#

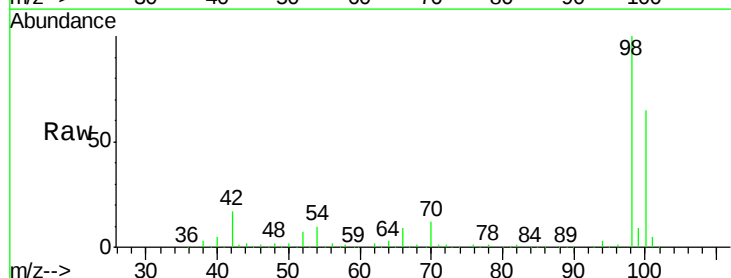


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

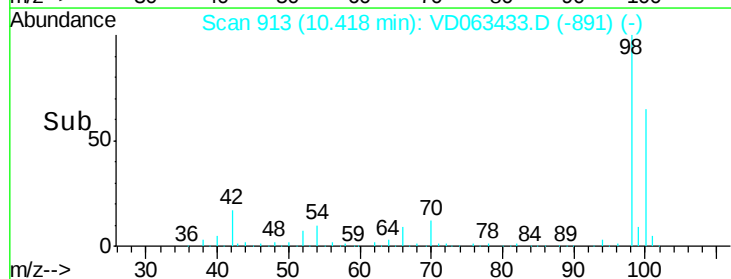
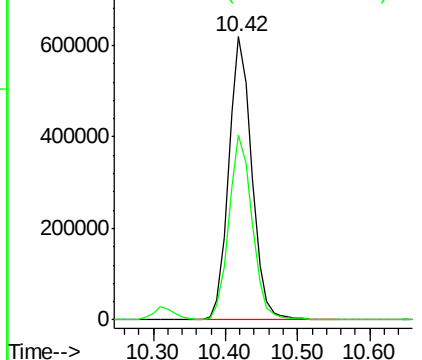


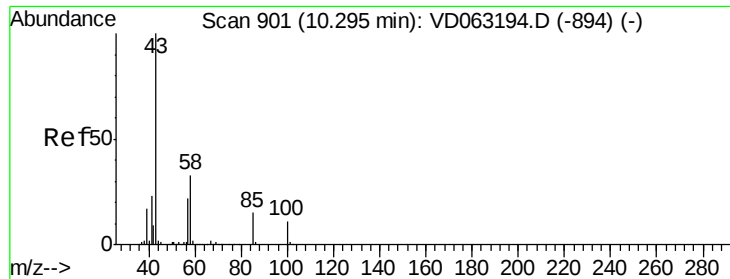
#50
Toluene-d8
Concen: 55.662 ug/l
RT: 10.42 min Scan# 913
Delta R.T. 0.02 min
Lab File: VD063433.D
Acq: 8 Aug 2019 12:54

Tgt Ion: 98 Resp: 1381295
Ion Ratio Lower Upper
98 100
100 65.4 53.2 79.8



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

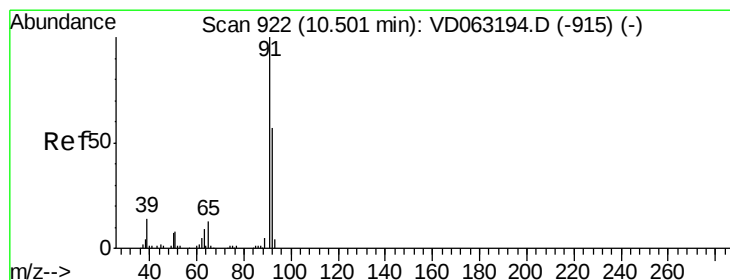
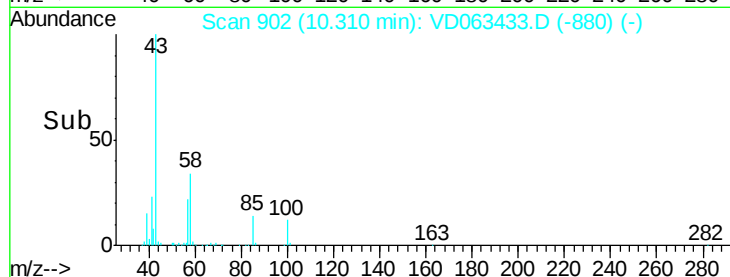
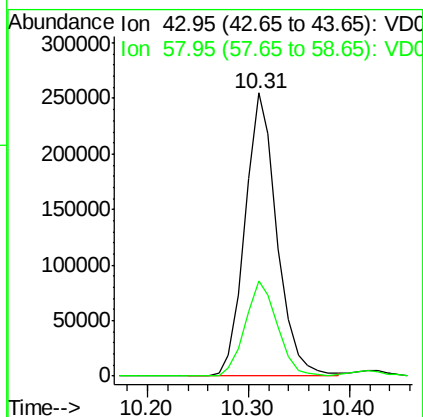
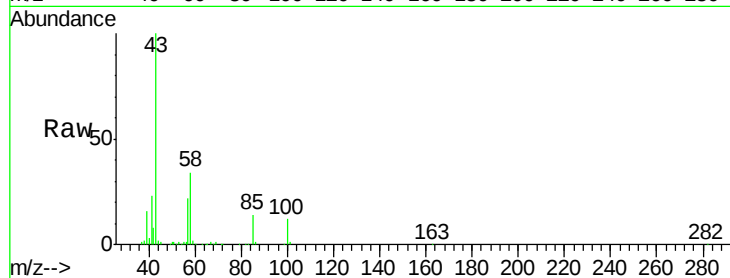




#51
 4-Methyl-2-Pentanone
 Concen: 121.474 ug/l
 RT: 10.31 min Scan# 902
 Delta R.T. 0.02 min
 Lab File: VD063433.D
 Acq: 8 Aug 2019 12:54

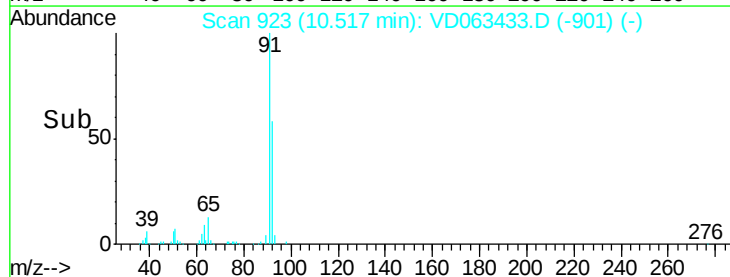
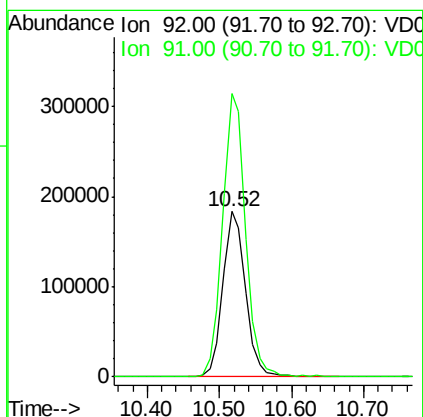
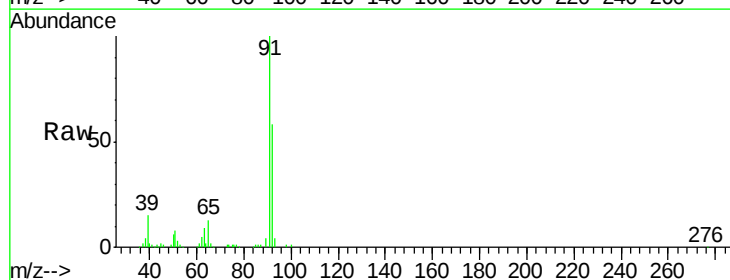
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0808SBS01

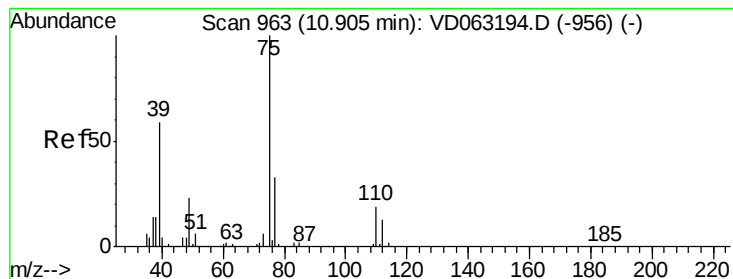
Tot Ion: 43 Resp: 561923
 Ion Ratio Lower Upper
 43 100
 58 33.7 26.2 39.2



#52
 Toluene
 Concen: 24.096 ug/l
 RT: 10.52 min Scan# 923
 Delta R.T. 0.02 min
 Lab File: VD063433.D
 Acq: 8 Aug 2019 12:54

Tgt Ion: 92 Resp: 398100
 Ion Ratio Lower Upper
 92 100
 91 171.3 140.8 211.2





#53

t-1,3-Dichloropropene

Concen: 24.099 ug/l

RT: 10.92 min Scan# 964

Delta R.T. 0.02 min

Lab File: VD063433.D

Acq: 8 Aug 2019 12:54

Instrument :

MSVOA_D

ClientSampleId :

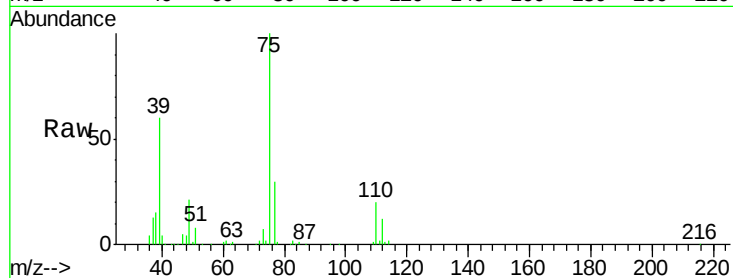
VD0808SBSD01

Tot Ion: 75 Resp: 278040

Ion Ratio Lower Upper

75 100

77 30.3 26.6 40.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

10.92

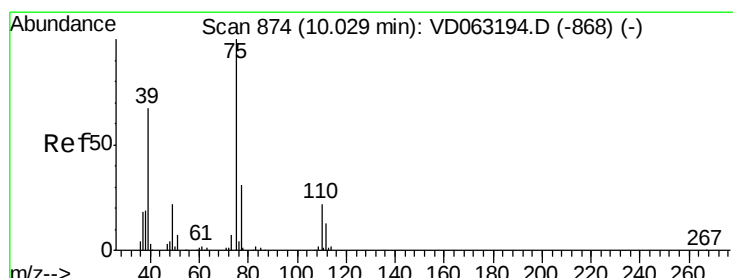
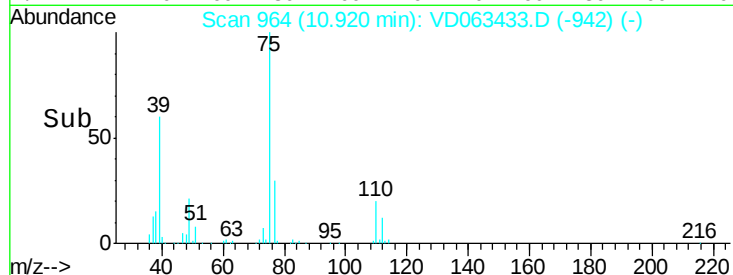
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 23.915 ug/l

RT: 10.04 min Scan# 875

Delta R.T. 0.02 min

Lab File: VD063433.D

Acq: 8 Aug 2019 12:54

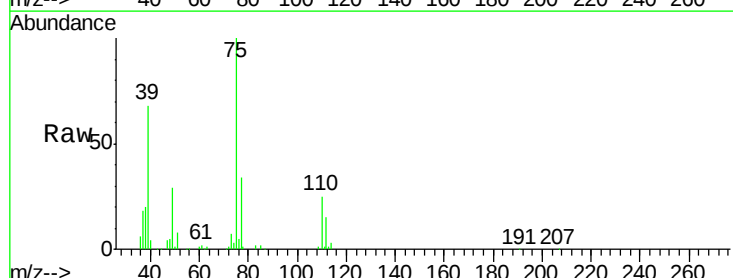
Tgt Ion: 75 Resp: 289987

Ion Ratio Lower Upper

75 100

77 33.5 24.9 37.3

39 68.0 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

10.04

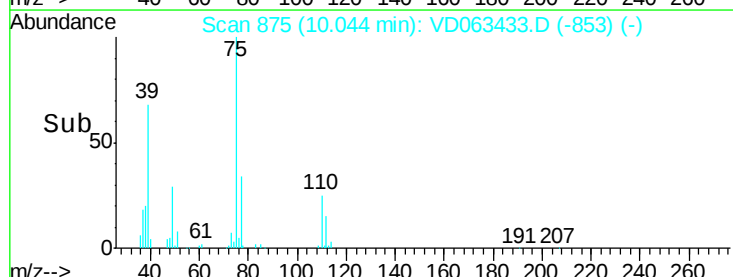
150000

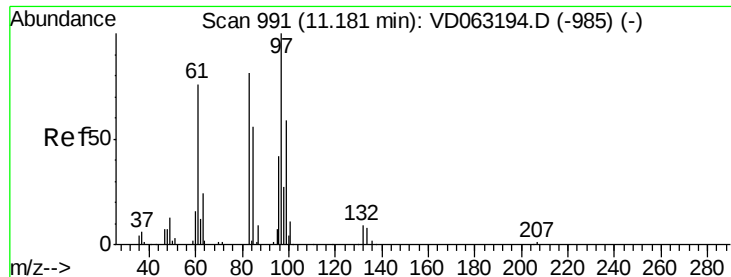
100000

50000

0

Time-->

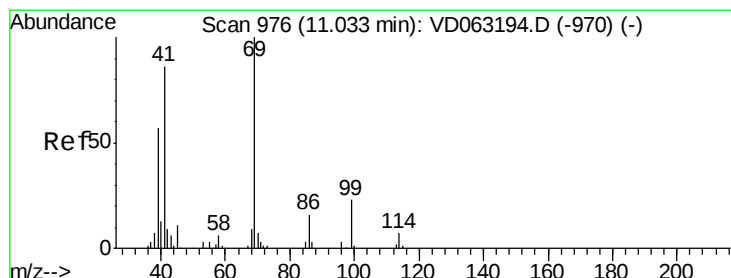
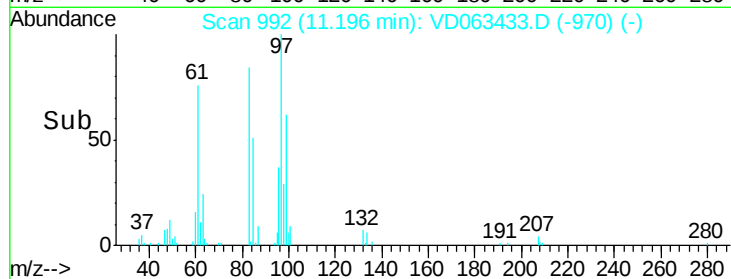
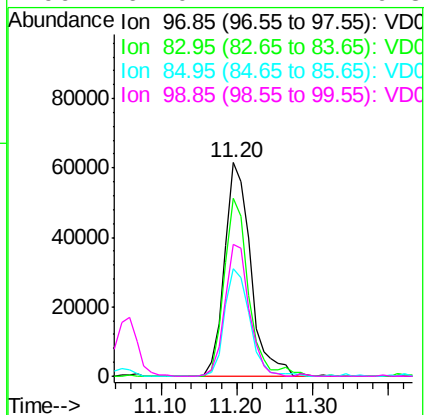
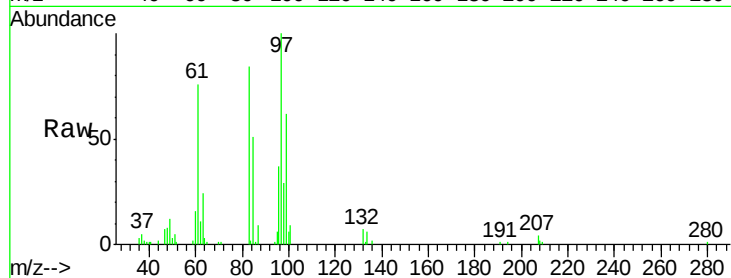




#55
 1,1,2-Trichloroethane
 Concen: 26.376 ug/l
 RT: 11.20 min Scan# 992
 Delta R.T. 0.02 min
 Lab File: VD063433.D
 Acq: 8 Aug 2019 12:54

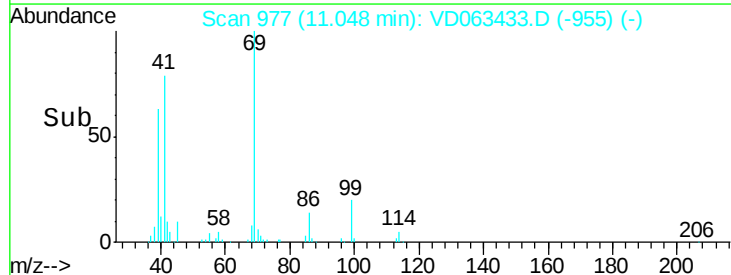
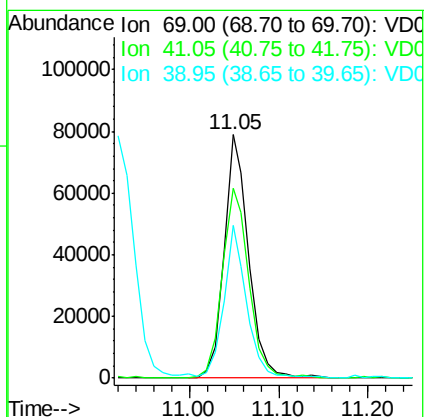
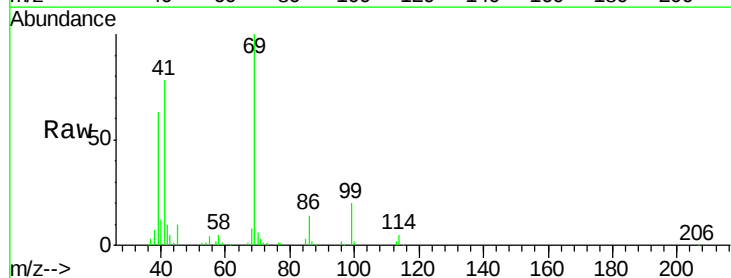
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0808SBSD01

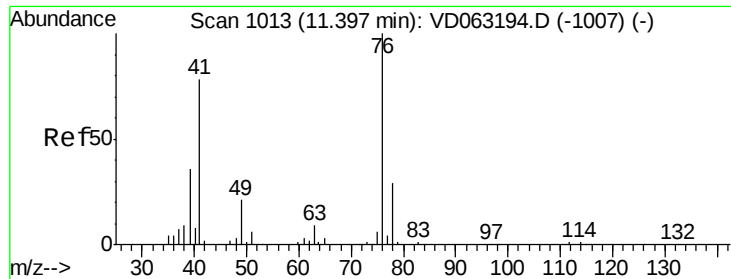
Tot Ion:	97	Resp:	147175
Ion	Ratio	Lower	Upper
97	100		
83	83.6	64.8	97.2
85	50.6	44.9	67.3
99	62.0	47.2	70.8



#56
 Ethyl methacrylate
 Concen: 24.927 ug/l
 RT: 11.05 min Scan# 977
 Delta R.T. 0.02 min
 Lab File: VD063433.D
 Acq: 8 Aug 2019 12:54

Tgt Ion:	69	Resp:	152306
Ion	Ratio	Lower	Upper
69	100		
41	78.2	68.8	103.2
39	62.7	45.8	68.8

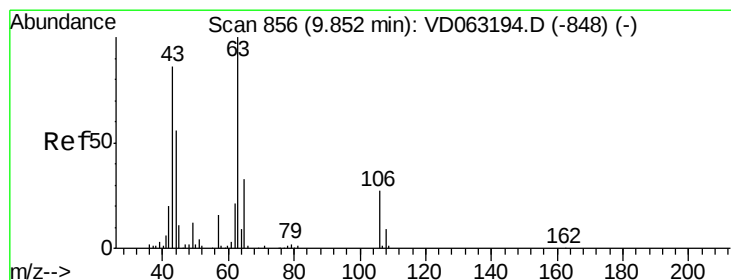
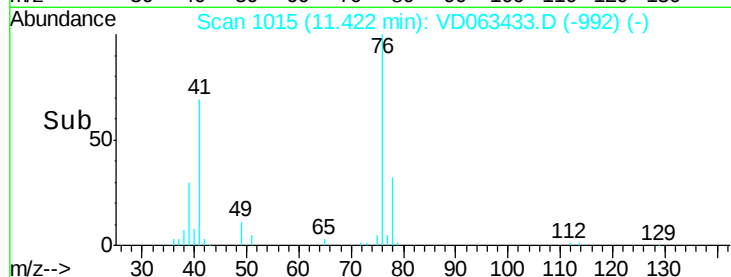
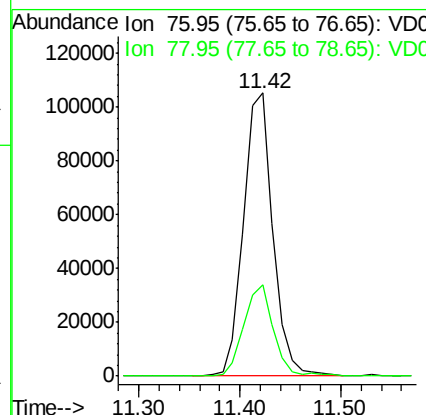
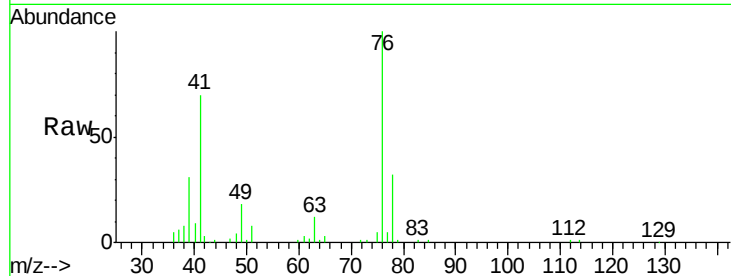




#57
 1,3-Dichloropropane
 Concen: 24.339 ug/l
 RT: 11.42 min Scan# 1015
 Delta R.T. 0.03 min
 Lab File: VD063433.D
 Acq: 8 Aug 2019 12:54

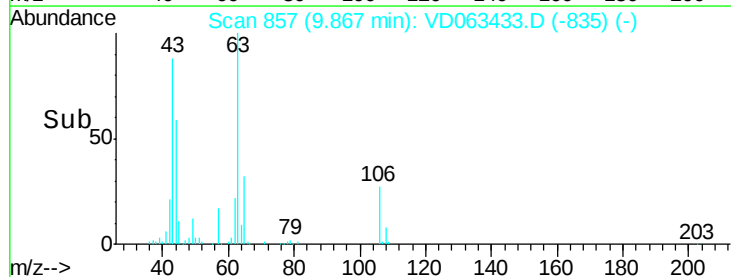
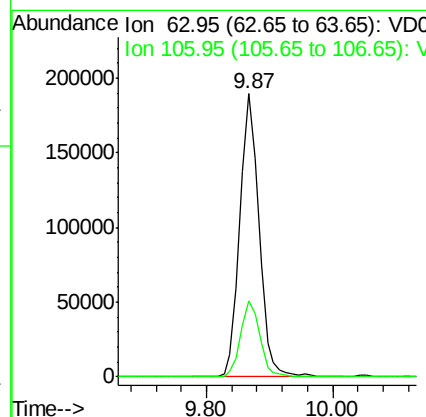
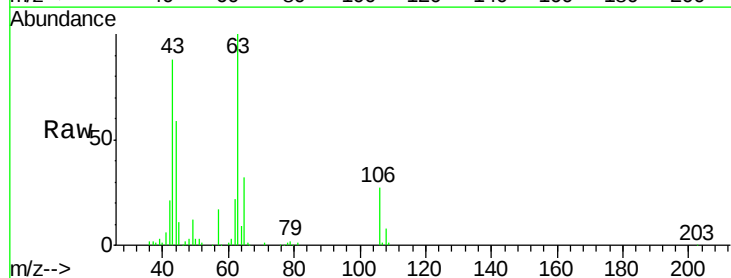
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0808SBSD01

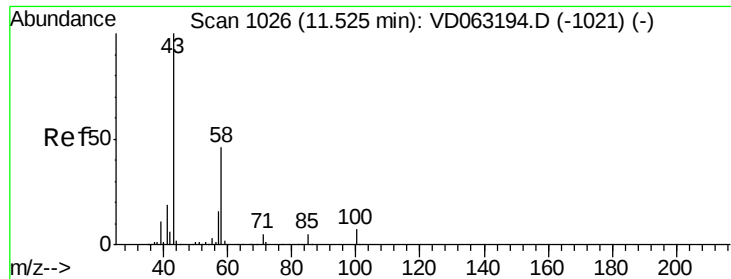
Tot Ion: 76 Resp: 213975
 Ion Ratio Lower Upper
 76 100
 78 32.3 23.4 35.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 124.606 ug/l
 RT: 9.87 min Scan# 857
 Delta R.T. 0.02 min
 Lab File: VD063433.D
 Acq: 8 Aug 2019 12:54

Tgt Ion: 63 Resp: 396165
 Ion Ratio Lower Upper
 63 100
 106 27.1 22.0 33.0

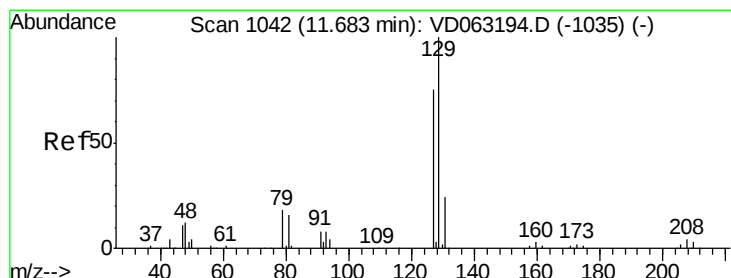
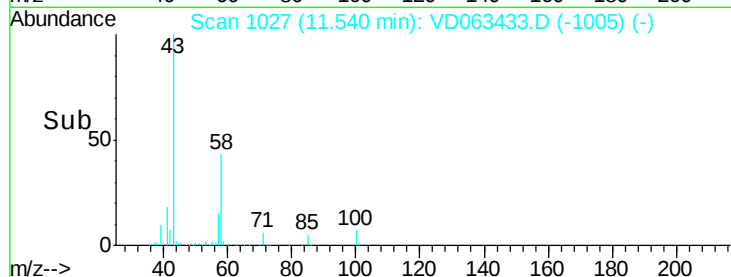
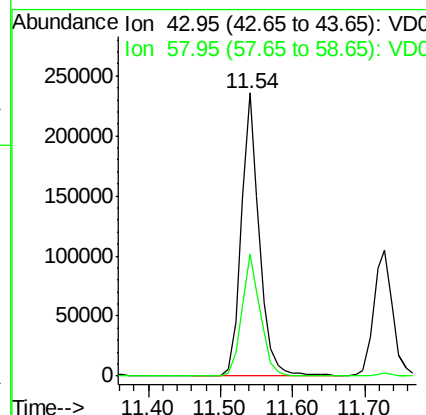
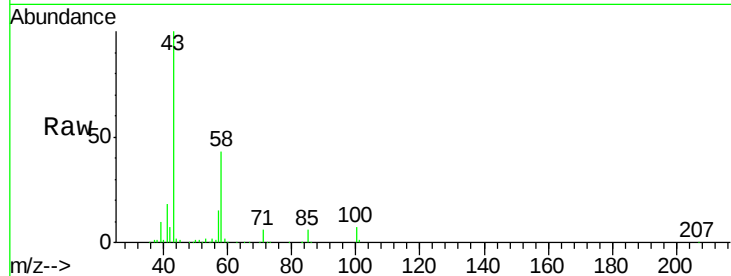




#59
2-Hexanone
Concen: 123.400 ug/l
RT: 11.54 min Scan# 1027
Delta R.T. 0.02 min
Lab File: VD063433.D
Acq: 8 Aug 2019 12:54

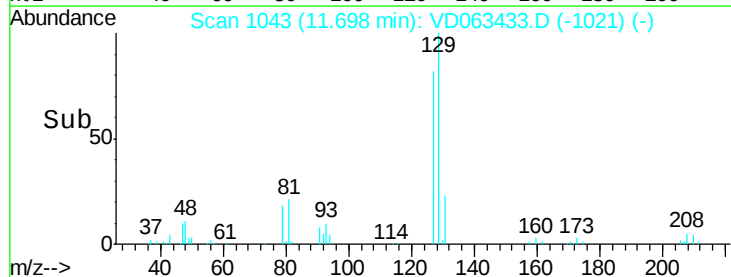
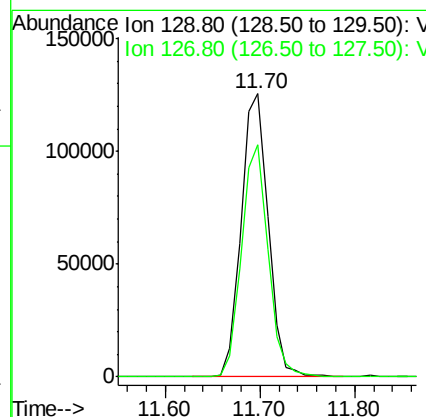
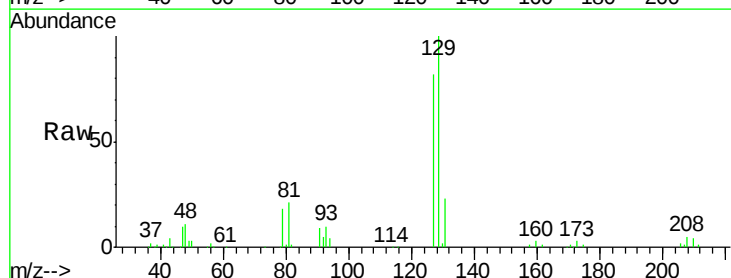
Instrument :
MSVOA_D
ClientSampleId :
VD0808SBSD01

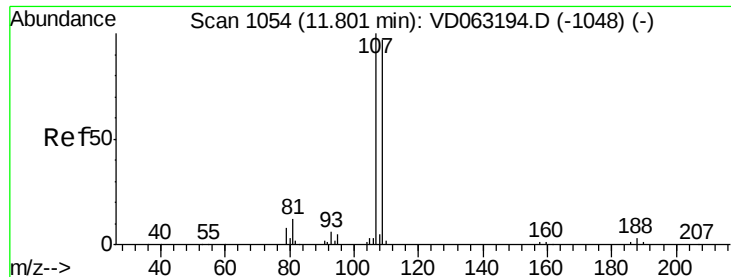
Tot Ion: 43 Resp: 411366
Ion Ratio Lower Upper
43 100
58 43.3 22.9 68.5



#60
Dibromochloromethane
Concen: 23.583 ug/l
RT: 11.70 min Scan# 1043
Delta R.T. 0.02 min
Lab File: VD063433.D
Acq: 8 Aug 2019 12:54

Tgt Ion: 129 Resp: 248423
Ion Ratio Lower Upper
129 100
127 82.0 37.6 112.8

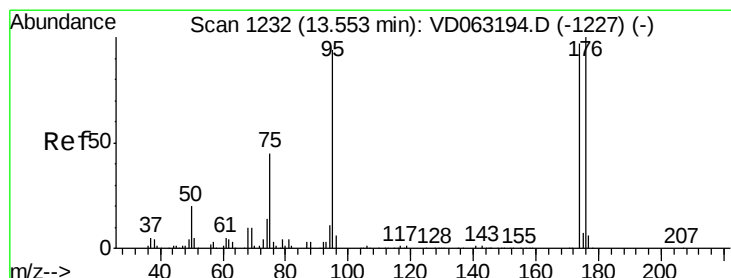
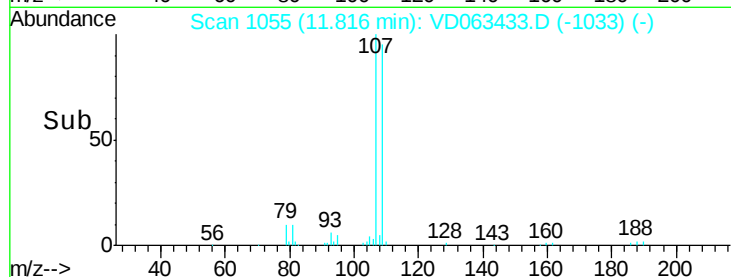
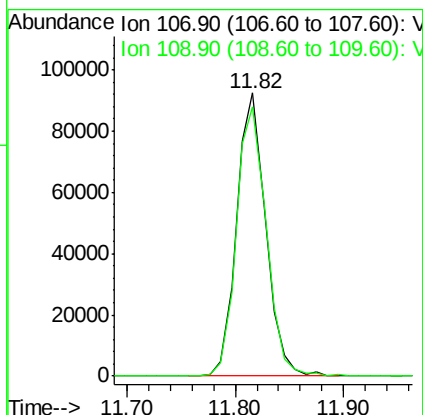
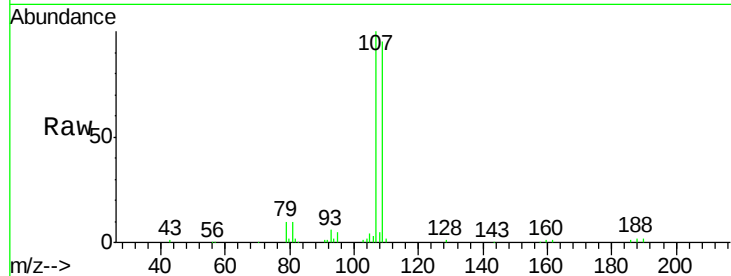




#61
 1,2-Dibromoethane
 Concen: 25.014 ug/l
 RT: 11.82 min Scan# 1055
 Delta R.T. 0.02 min
 Lab File: VD063433.D
 Acq: 8 Aug 2019 12:54

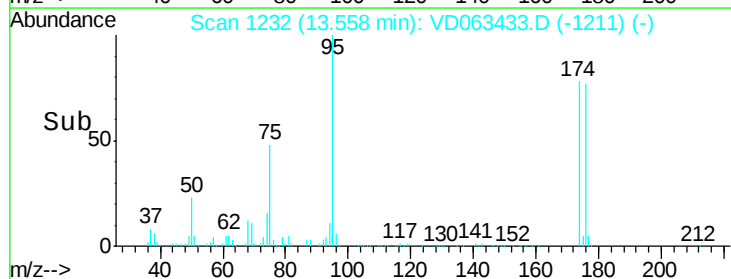
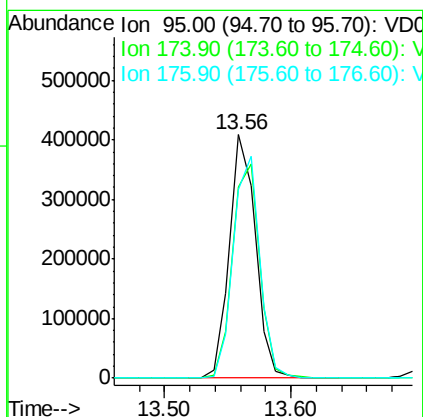
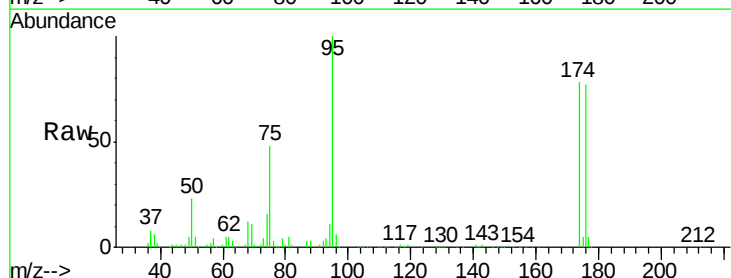
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0808SBSD01

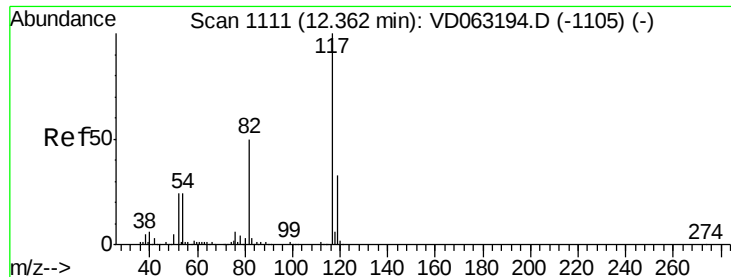
Tot Ion:107 Resp: 172229
 Ion Ratio Lower Upper
 107 100
 109 95.3 77.5 116.3



#62
 4-Bromofluorobenzene
 Concen: 51.493 ug/l
 RT: 13.56 min Scan# 1232
 Delta R.T. 0.01 min
 Lab File: VD063433.D
 Acq: 8 Aug 2019 12:54

Tgt Ion: 95 Resp: 582300
 Ion Ratio Lower Upper
 95 100
 174 78.4 0.0 205.4
 176 77.4 0.0 211.8

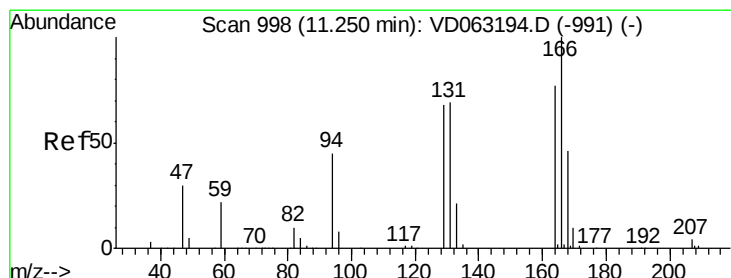
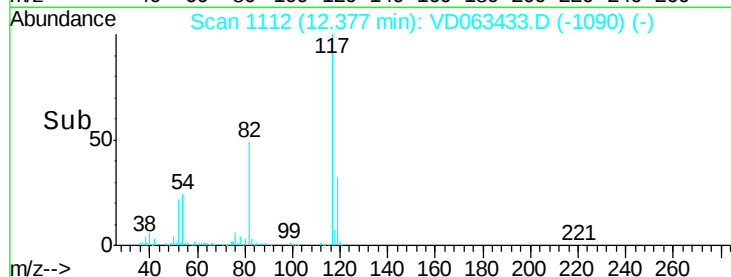
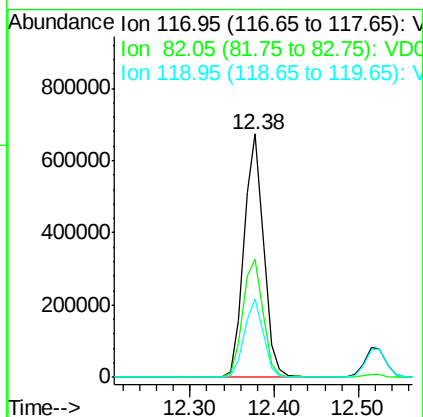
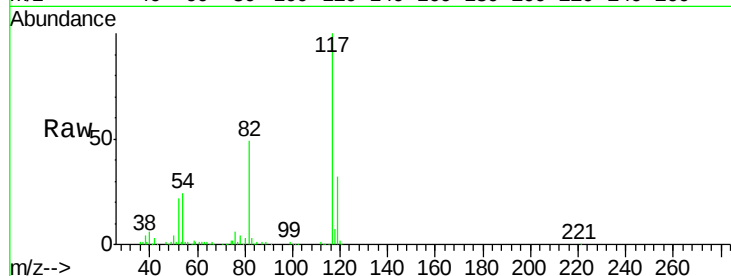




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1112
Delta R.T. 0.02 min
Lab File: VD063433.D
Acq: 8 Aug 2019 12:54

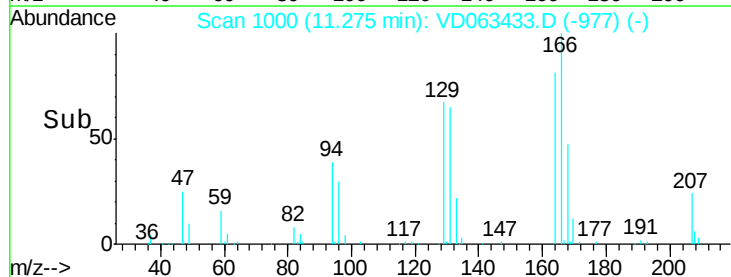
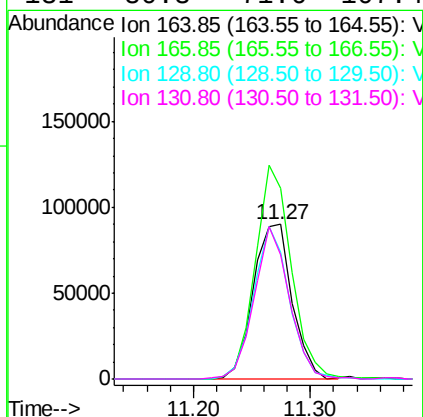
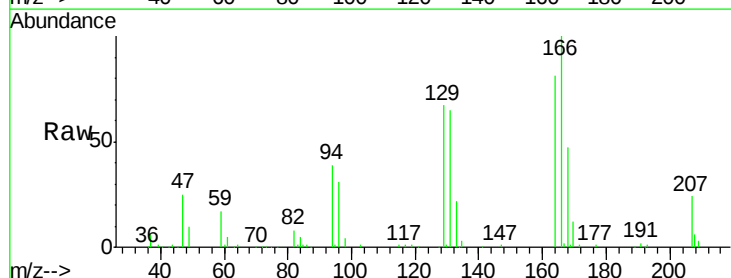
Instrument :
MSVOA_D
ClientSampleId :
VD0808SBSD01

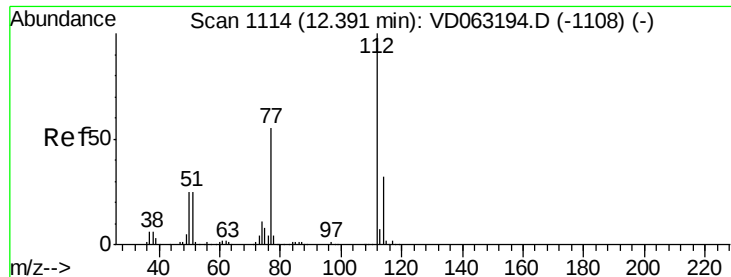
Tot Ion:117 Resp: 1092863
Ion Ratio Lower Upper
117 100
82 48.7 40.1 60.1
119 32.4 26.5 39.7



#64
Tetrachloroethene
Concen: 23.850 ug/l
RT: 11.27 min Scan# 1000
Delta R.T. 0.03 min
Lab File: VD063433.D
Acq: 8 Aug 2019 12:54

Tgt Ion:164 Resp: 207645
Ion Ratio Lower Upper
164 100
166 123.2 104.3 156.5
129 82.0 70.9 106.3
131 80.3 71.6 107.4





#65

Chlorobenzene

Concen: 23.123 ug/l

RT: 12.41 min Scan# 1115

Delta R.T. 0.02 min

Lab File: VD063433.D

Acq: 8 Aug 2019 12:54

Instrument :

MSVOA_D

ClientSampleId :

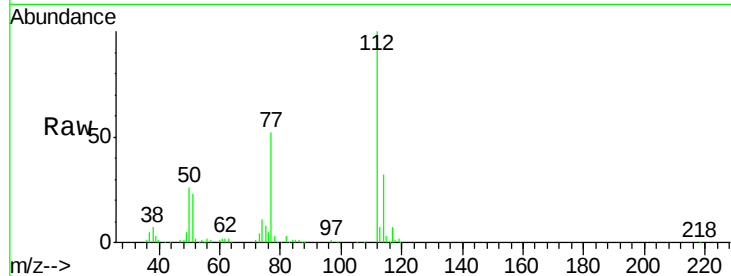
VD0808SBS01

Tot Ion:112 Resp: 486058

Ion Ratio Lower Upper

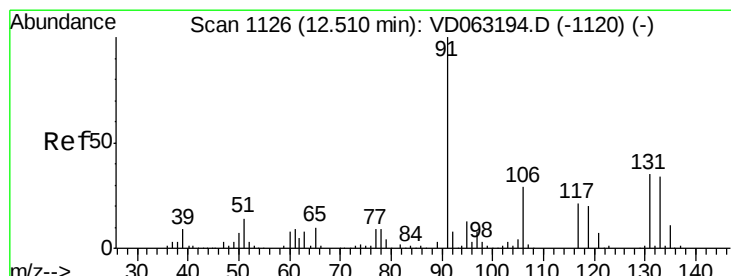
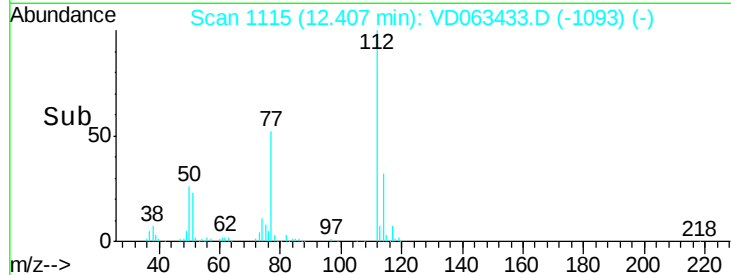
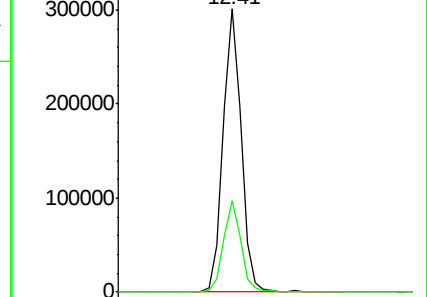
112 100

114 32.3 25.8 38.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 23.158 ug/l

RT: 12.52 min Scan# 1127

Delta R.T. 0.02 min

Lab File: VD063433.D

Acq: 8 Aug 2019 12:54

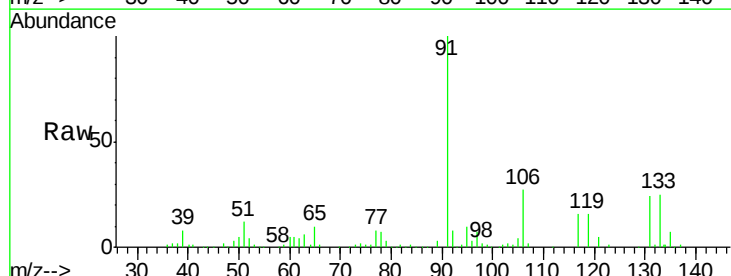
Tgt Ion:131 Resp: 214430

Ion Ratio Lower Upper

131 100

133 104.9 48.4 145.2

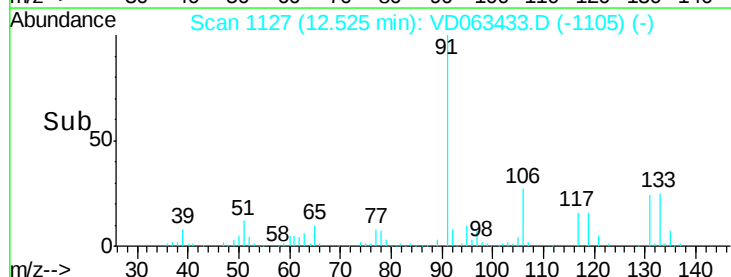
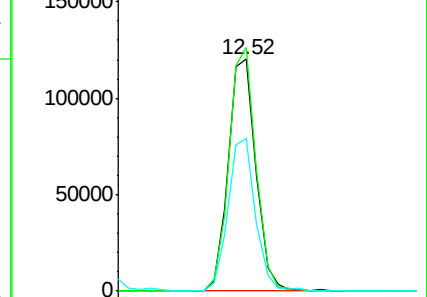
119 65.7 29.1 87.3

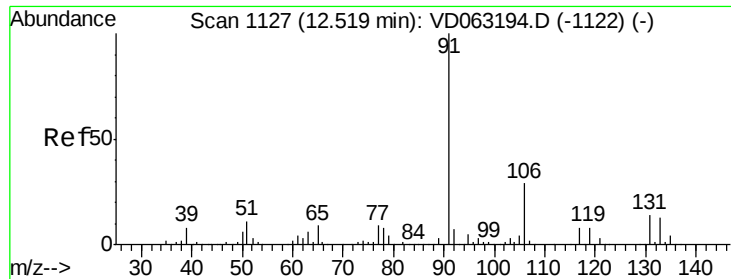


Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

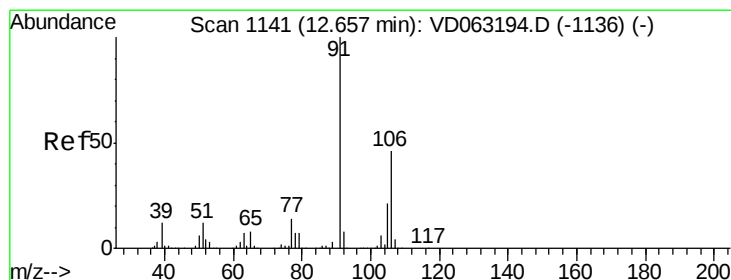
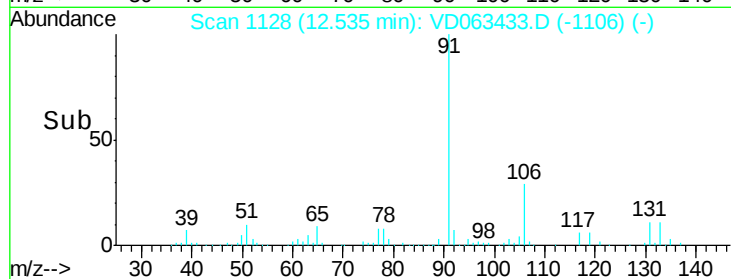
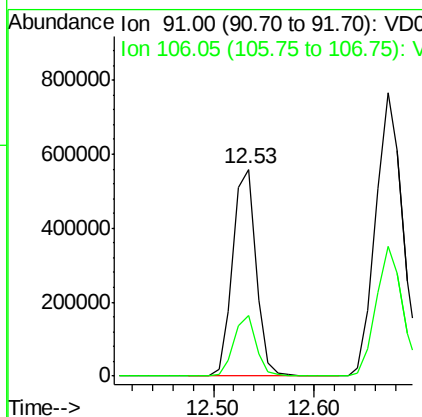
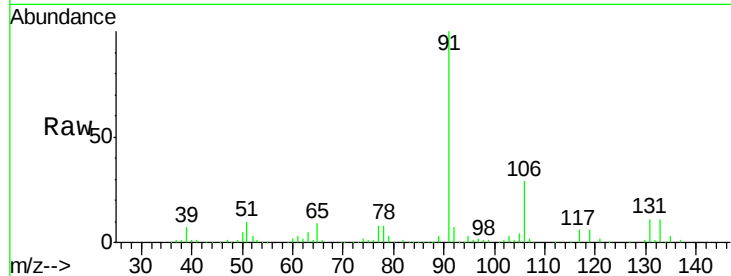




#67
Ethyl Benzene
Concen: 25.258 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.02 min
Lab File: VD063433.D
Acq: 8 Aug 2019 12:54

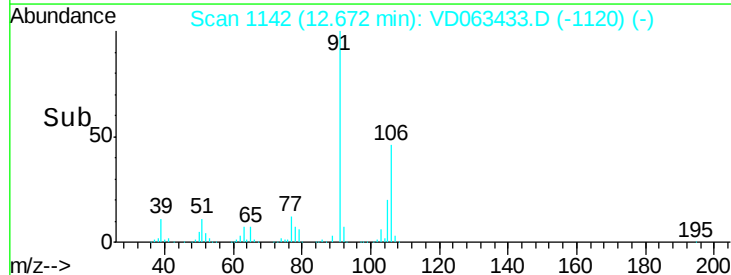
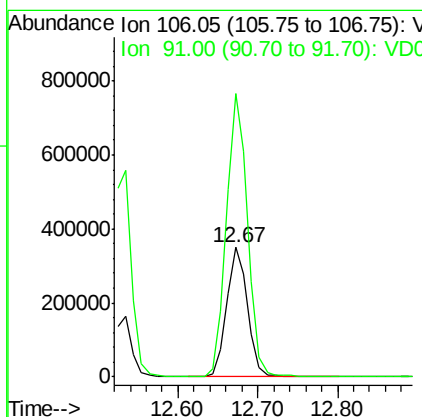
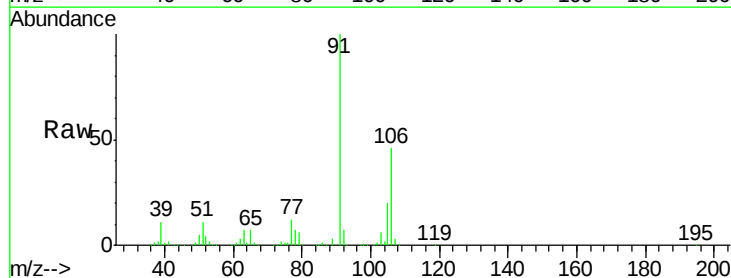
Instrument :
MSVOA_D
ClientSampleId :
VD0808SBSD01

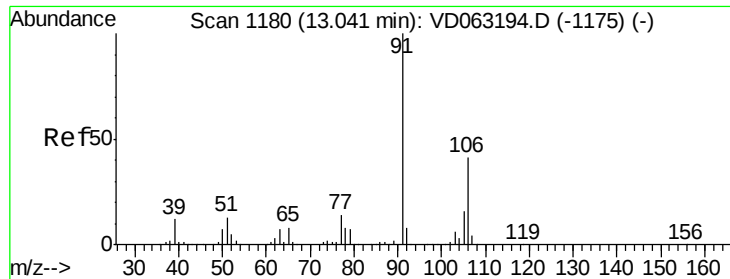
Tot Ion: 91 Resp: 901934
Ion Ratio Lower Upper
91 100
106 29.3 22.9 34.3



#68
m/p-Xylenes
Concen: 49.371 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. 0.02 min
Lab File: VD063433.D
Acq: 8 Aug 2019 12:54

Tgt Ion: 106 Resp: 646555
Ion Ratio Lower Upper
106 100
91 218.3 172.6 259.0

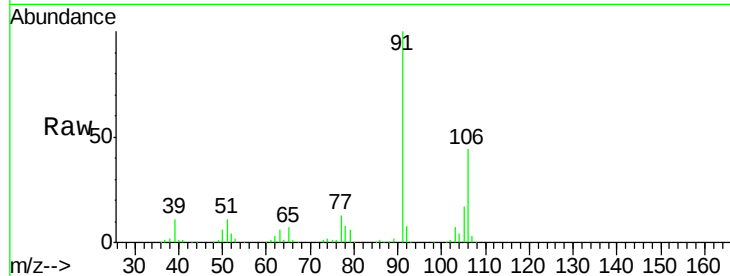




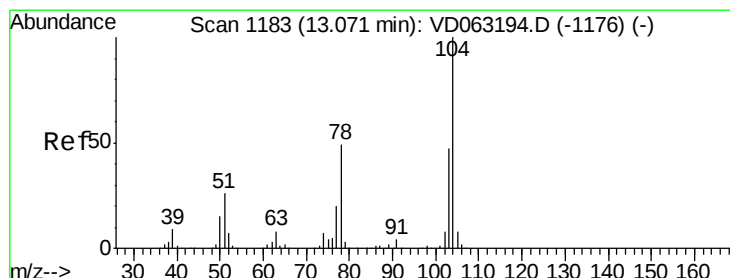
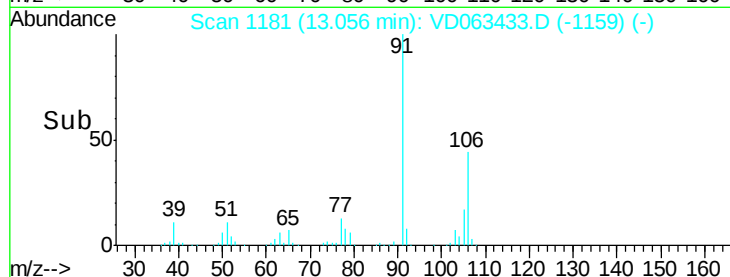
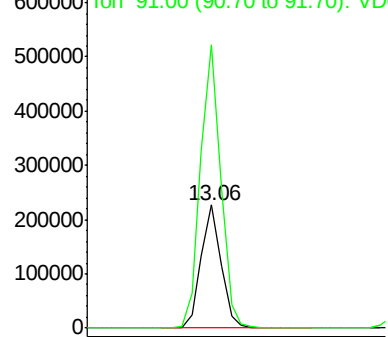
#69
o-Xylene
Concen: 26.098 ug/l
RT: 13.06 min Scan# 1181
Delta R.T. 0.02 min
Lab File: VD063433.D
Acq: 8 Aug 2019 12:54

Instrument :
MSVOA_D
ClientSampleId :
VD0808SBSD01

Tot Ion:106 Resp: 313856
Ion Ratio Lower Upper
106 100
91 229.6 121.3 363.9

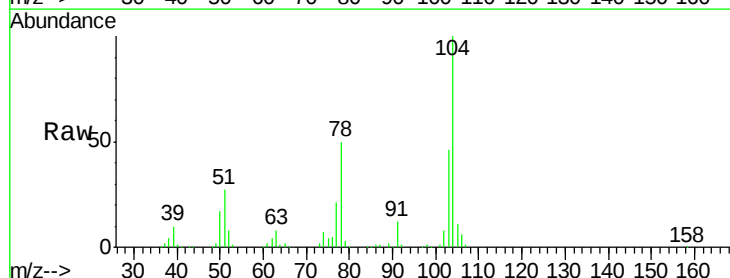


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VD

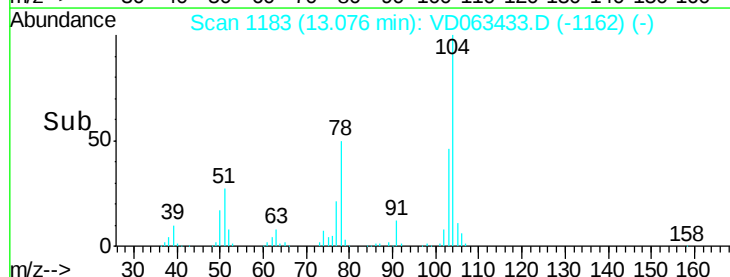
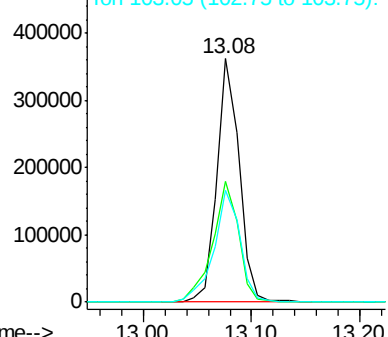


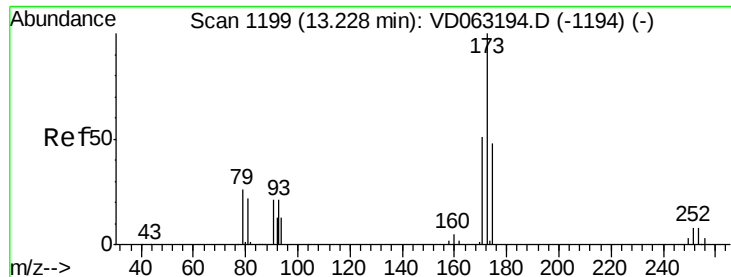
#70
Styrene
Concen: 24.289 ug/l
RT: 13.08 min Scan# 1183
Delta R.T. 0.01 min
Lab File: VD063433.D
Acq: 8 Aug 2019 12:54

Tgt Ion:104 Resp: 518022
Ion Ratio Lower Upper
104 100
78 49.8 39.4 59.0
103 46.2 37.4 56.2



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

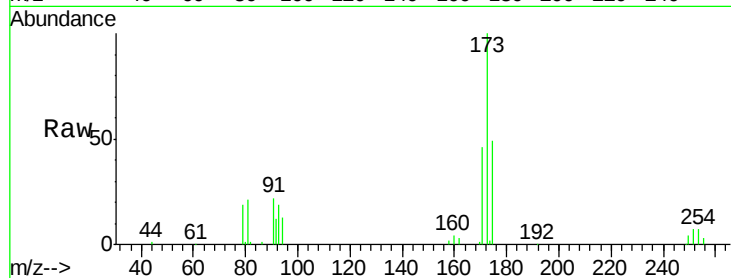




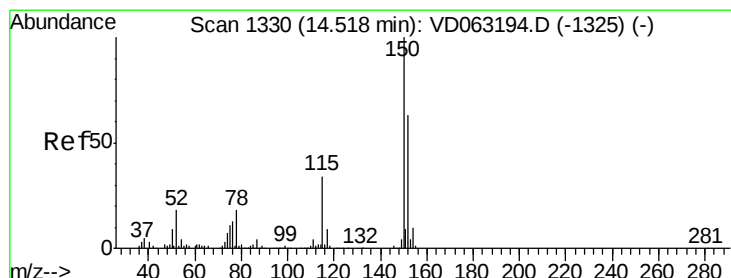
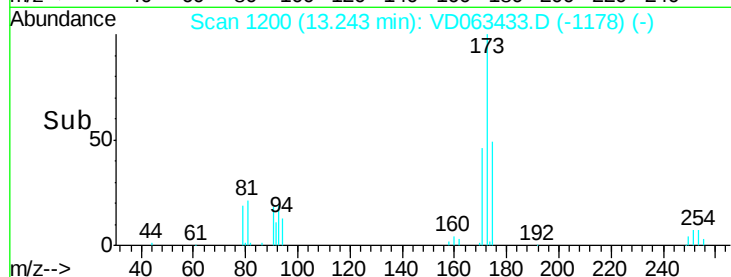
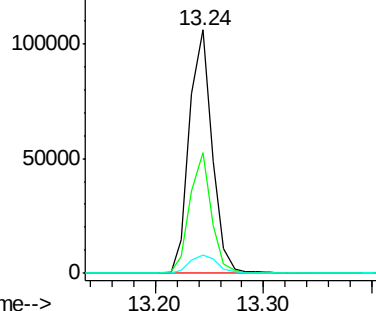
#71
Bromoform
Concen: 23.020 ug/l
RT: 13.24 min Scan# 1200
Delta R.T. 0.02 min
Lab File: VD063433.D
Acq: 8 Aug 2019 12:54

Instrument :
MSVOA_D
ClientSampleId :
VD0808SBSD01

Tot Ion:173 Resp: 155009
Ion Ratio Lower Upper
173 100
175 49.4 23.8 71.5
254 7.3 6.6 10.0

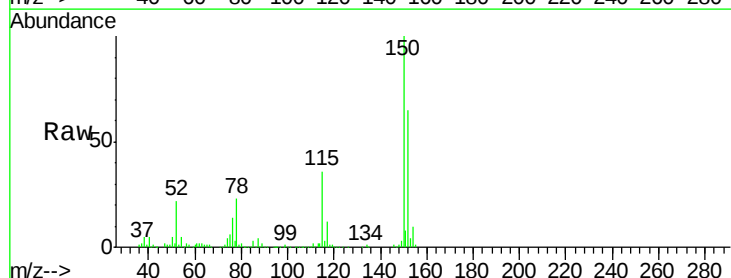


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

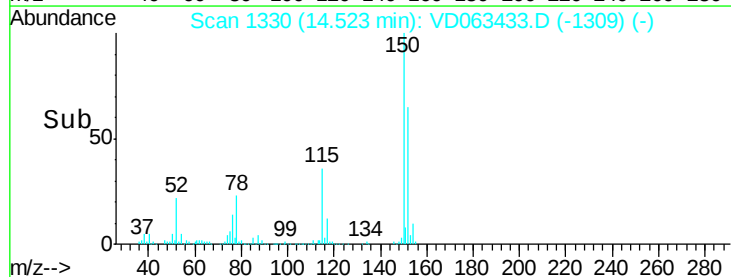
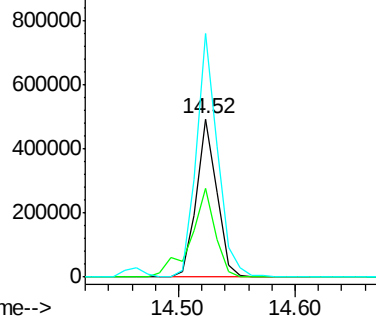


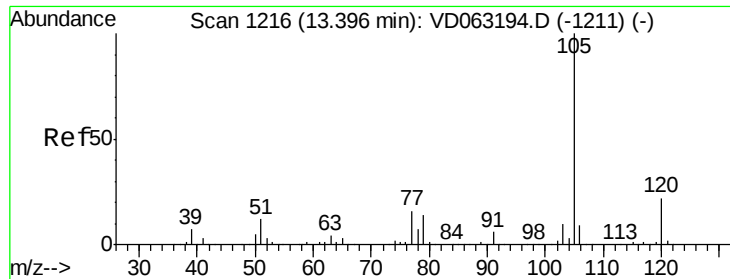
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.01 min
Lab File: VD063433.D
Acq: 8 Aug 2019 12:54

Tgt Ion:152 Resp: 601475
Ion Ratio Lower Upper
152 100
115 55.9 27.5 82.4
150 154.1 0.0 320.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 23.828 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. 0.02 min

Lab File: VD063433.D

Acq: 8 Aug 2019 12:54

Instrument :

MSVOA_D

ClientSampleId :

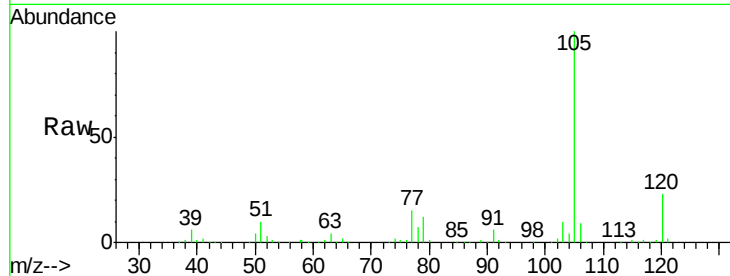
VD0808SBS01

Tot Ion:105 Resp: 899518

Ion Ratio Lower Upper

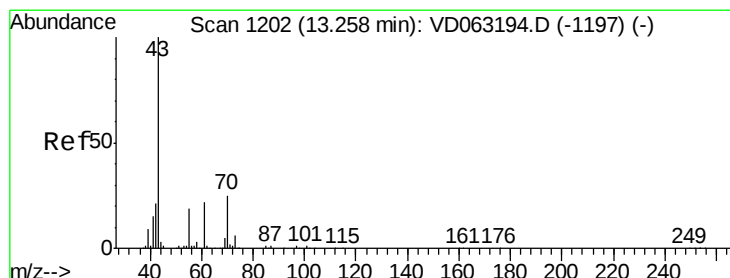
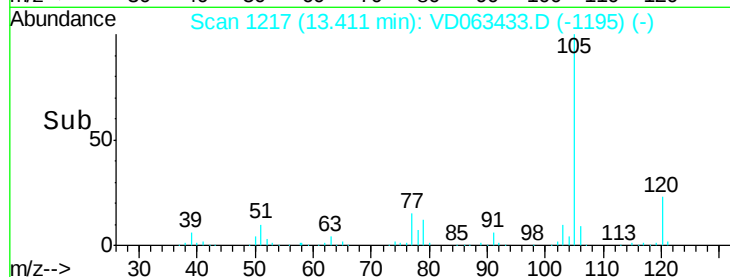
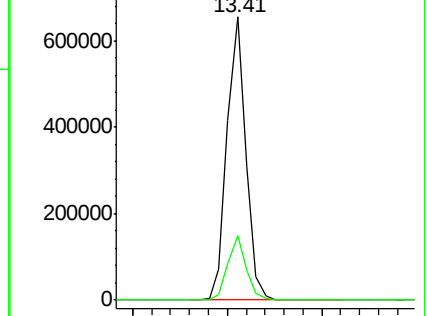
105 100

120 22.9 11.1 33.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 23.570 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.02 min

Lab File: VD063433.D

Acq: 8 Aug 2019 12:54

Tgt Ion: 43 Resp: 235216

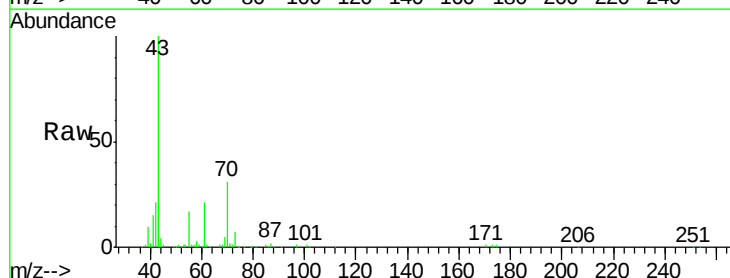
Ion Ratio Lower Upper

43 100

70 30.9 20.2 30.4#

55 16.8 14.9 22.3

61 21.4 17.9 26.9

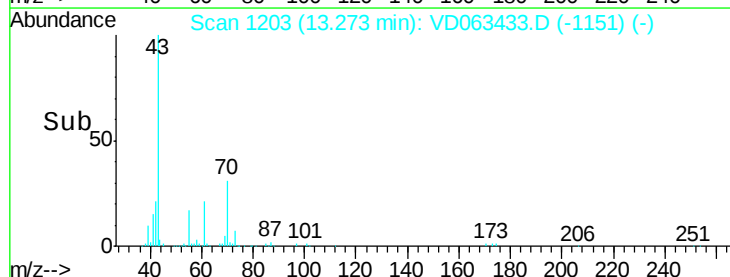
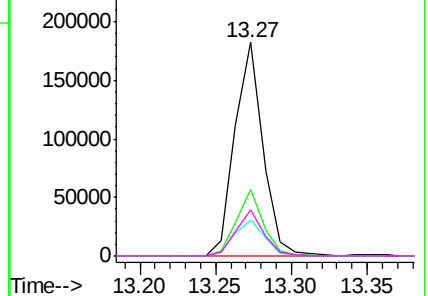


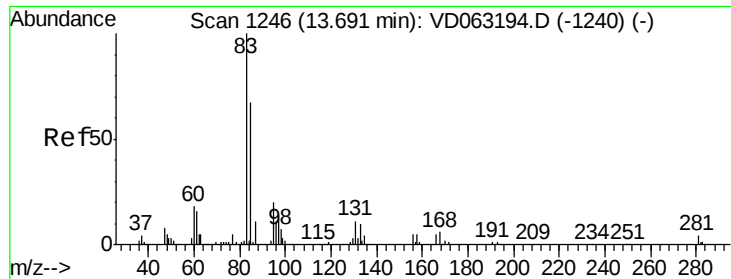
Abundance Ion 42.95 (42.65 to 43.65): VDC

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





#75

1,1,2,2-Tetrachloroethane

Concen: 23.872 ug/l

RT: 13.71 min Scan# 1247

Delta R.T. 0.02 min

Lab File: VD063433.D

Acq: 8 Aug 2019 12:54

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBS01

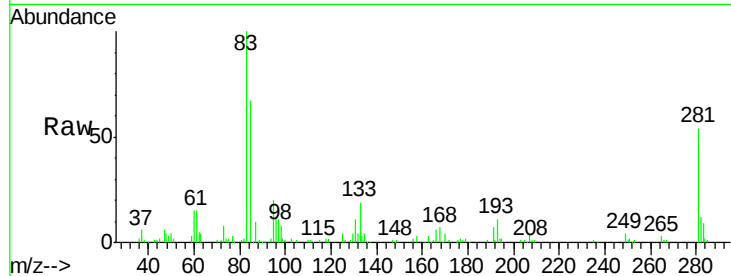
Tot Ion: 83 Resp: 153081

Ion Ratio Lower Upper

83 100

131 11.4 5.5 16.7

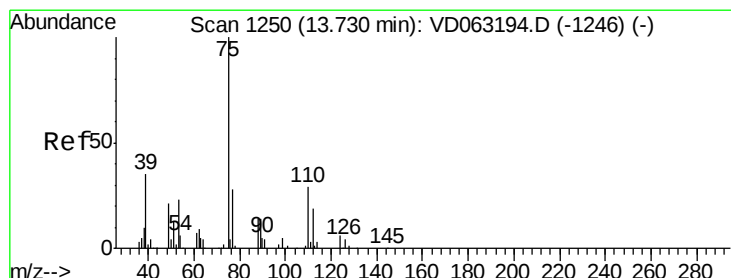
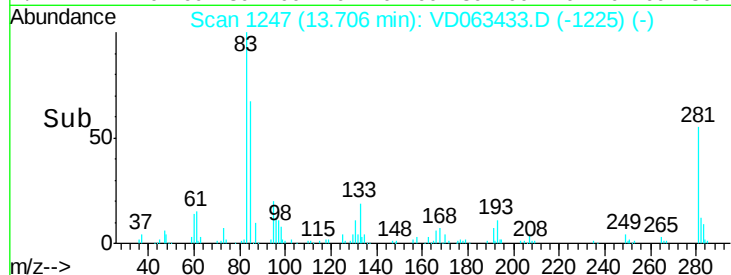
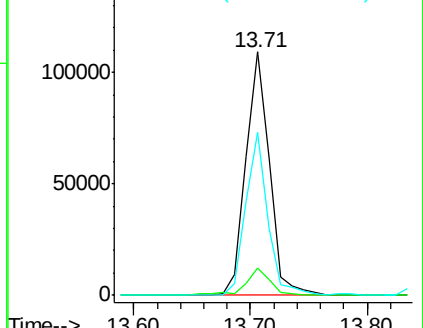
85 66.9 33.7 101.1



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: 23.228 ug/l

RT: 13.74 min Scan# 1250

Delta R.T. 0.01 min

Lab File: VD063433.D

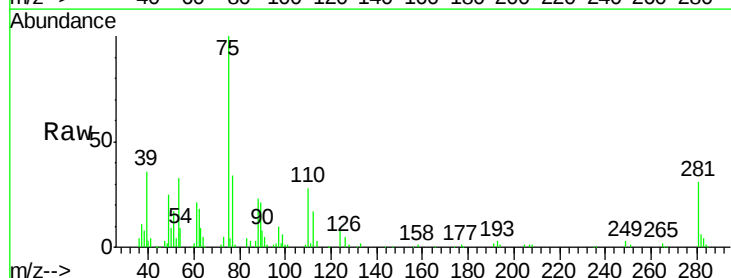
Acq: 8 Aug 2019 12:54

Tgt Ion: 75 Resp: 167809

Ion Ratio Lower Upper

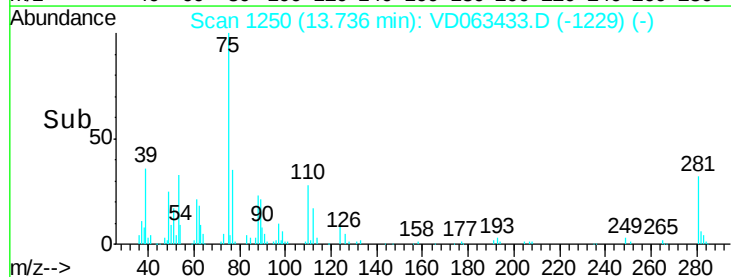
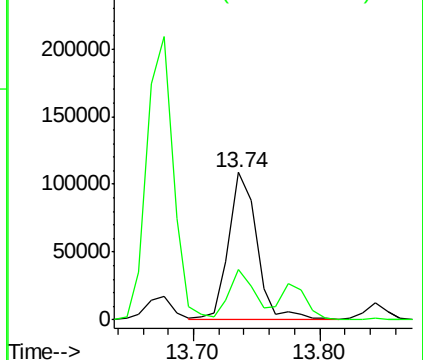
75 100

77 34.4 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: 22.103 ug/l

RT: 13.68 min Scan# 1244

Delta R.T. 0.02 min

Lab File: VD063433.D

Acq: 8 Aug 2019 12:54

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBS01

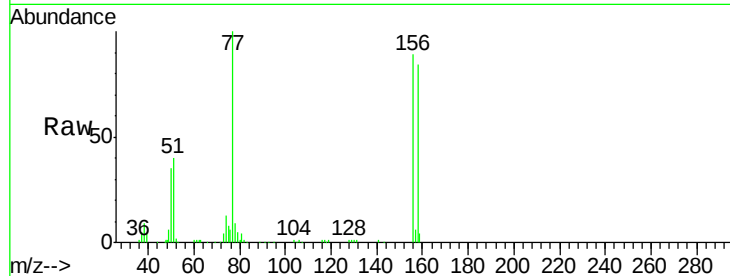
Tot Ion:156 Resp: 237691

Ion Ratio Lower Upper

156 100

77 112.3 67.6 202.8

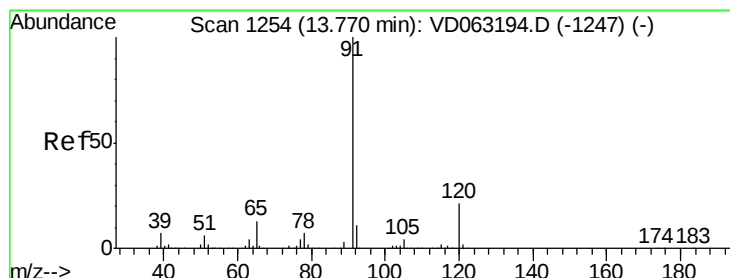
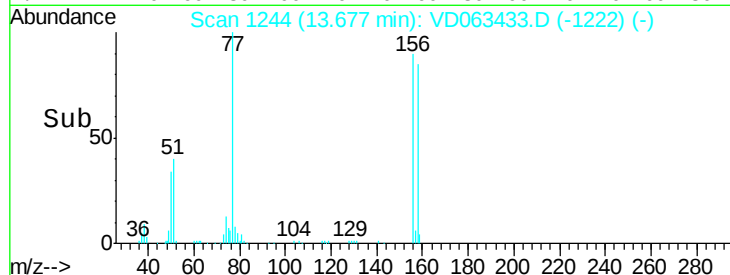
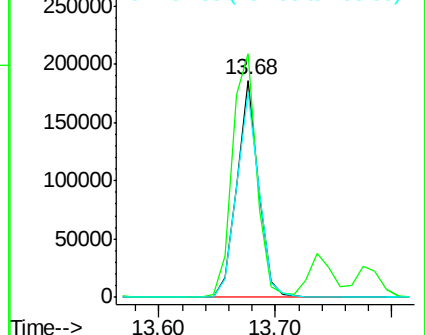
158 94.5 49.8 149.4



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 21.194 ug/l

RT: 13.78 min Scan# 1254

Delta R.T. 0.01 min

Lab File: VD063433.D

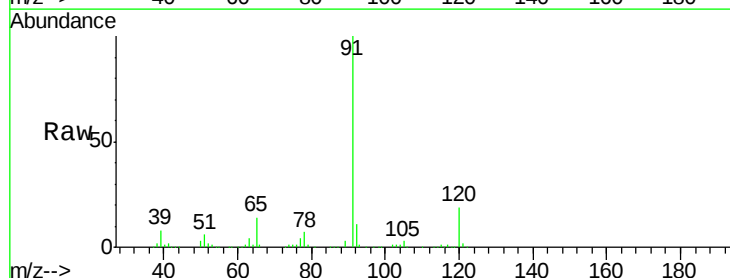
Acq: 8 Aug 2019 12:54

Tgt Ion: 91 Resp: 952117

Ion Ratio Lower Upper

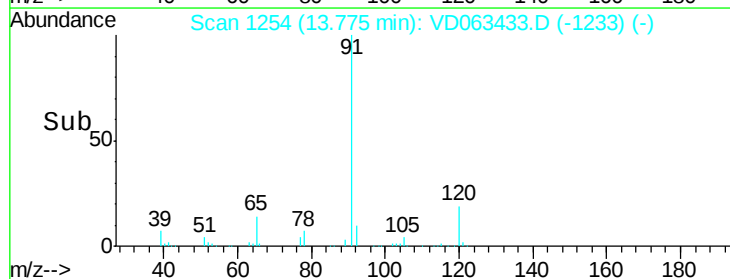
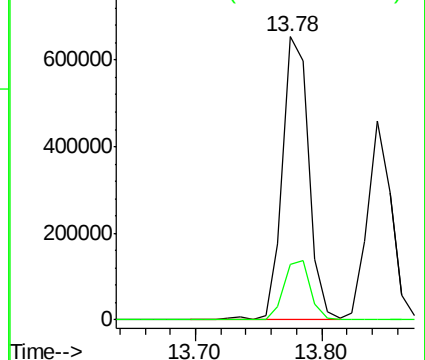
91 100

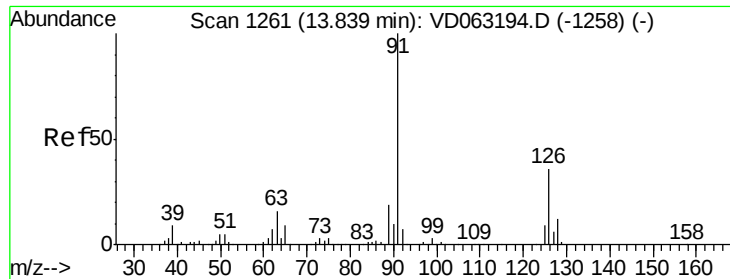
120 19.5 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 23.018 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. 0.01 min

Lab File: VD063433.D

Acq: 8 Aug 2019 12:54

Instrument :

MSVOA_D

ClientSampleId :

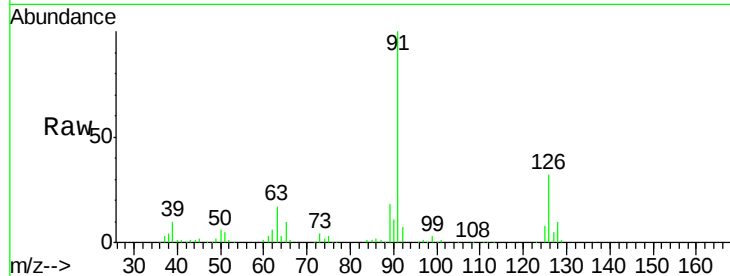
VD0808SBSD01

Tot Ion: 91 Resp: 599166

Ion Ratio Lower Upper

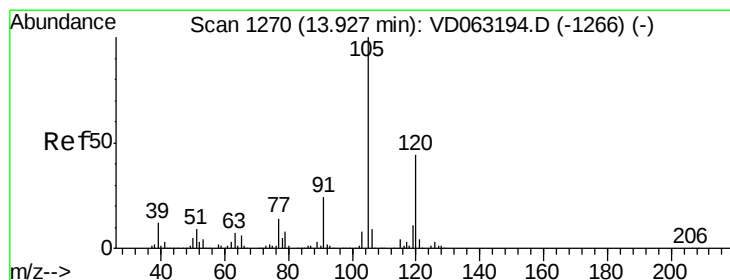
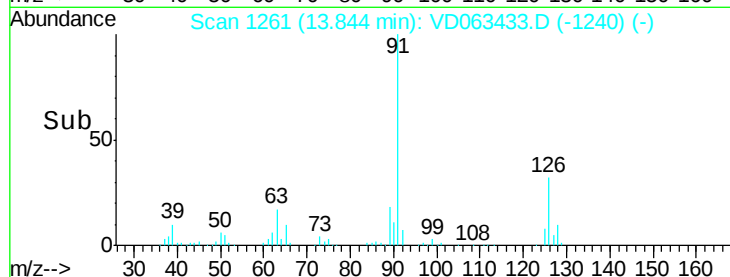
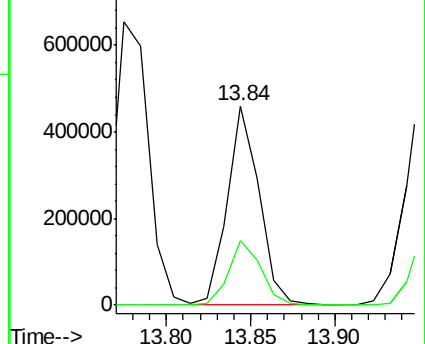
91 100

126 32.4 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: 23.759 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. 0.02 min

Lab File: VD063433.D

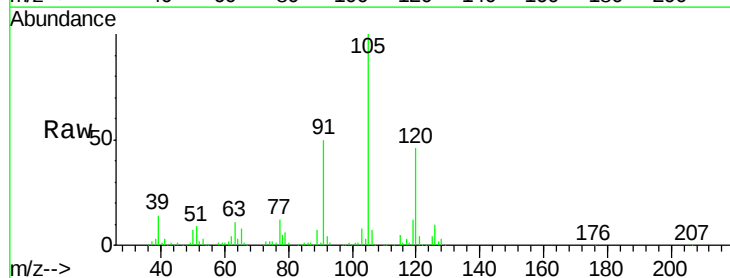
Acq: 8 Aug 2019 12:54

Tgt Ion:105 Resp: 773592

Ion Ratio Lower Upper

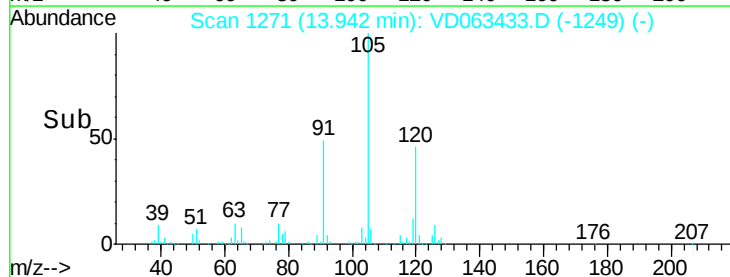
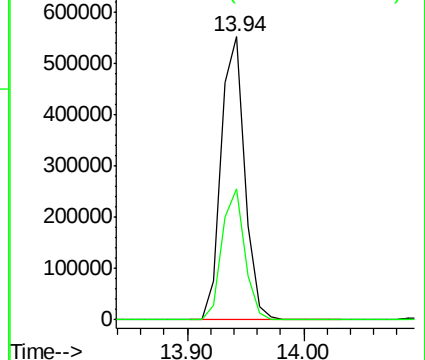
105 100

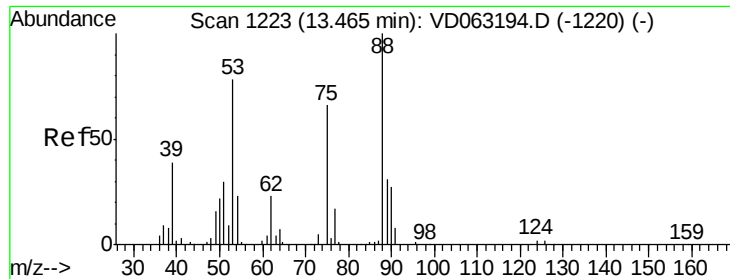
120 46.4 22.1 66.1



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: 21.746 ug/l

RT: 13.48 min Scan# 1224

Delta R.T. 0.02 min

Lab File: VD063433.D

Acq: 8 Aug 2019 12:54

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBSD01

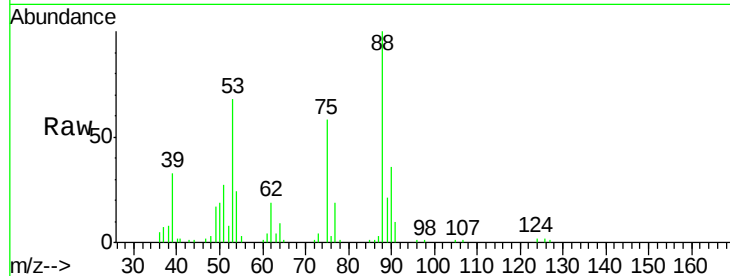
Tot Ion: 75 Resp: 43624

Ion Ratio Lower Upper

75 100

53 116.7 94.9 142.3

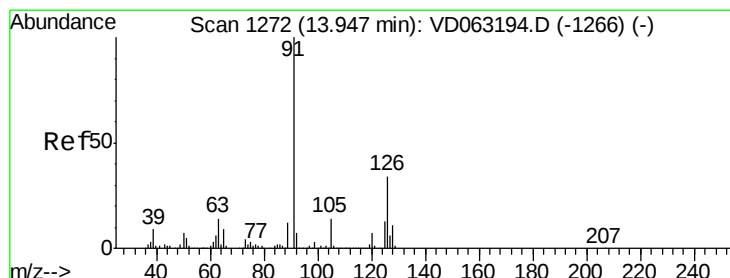
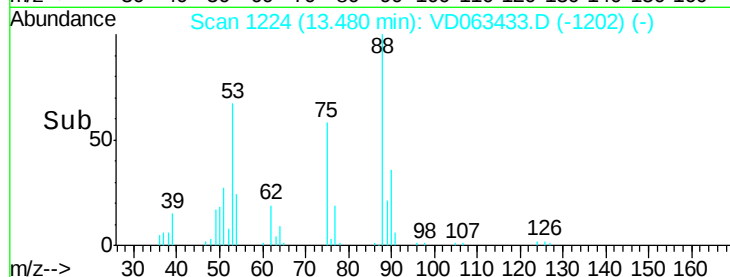
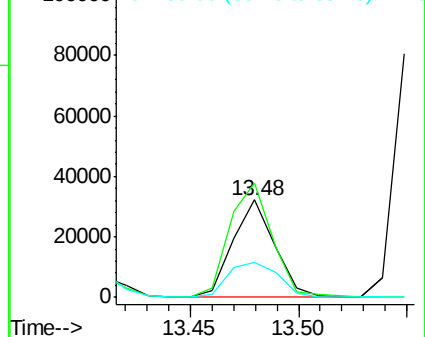
89 36.1 37.4 56.0#



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: 24.425 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. 0.01 min

Lab File: VD063433.D

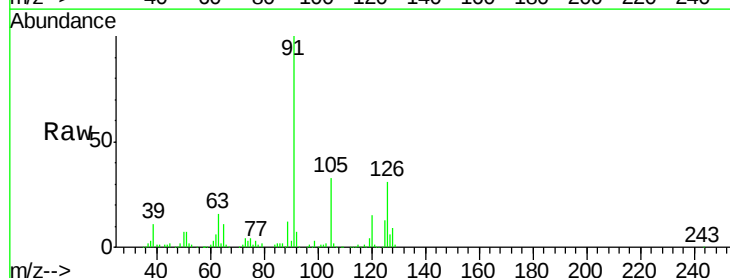
Acq: 8 Aug 2019 12:54

Tgt Ion: 91 Resp: 748240

Ion Ratio Lower Upper

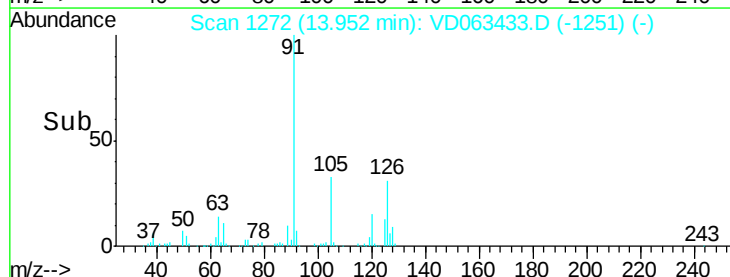
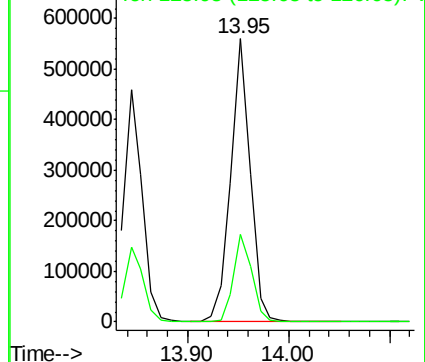
91 100

126 31.0 17.1 51.2



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

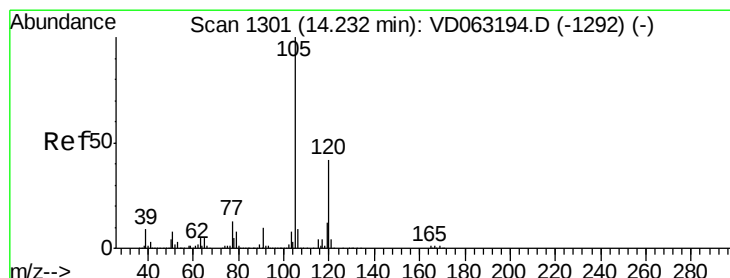
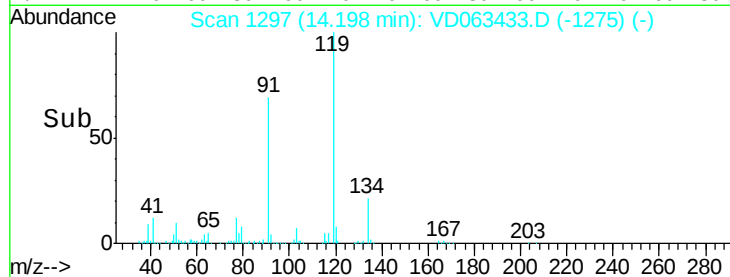
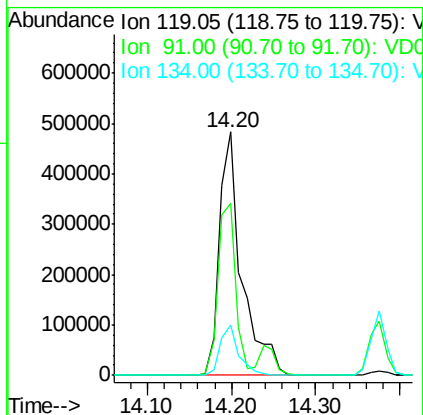
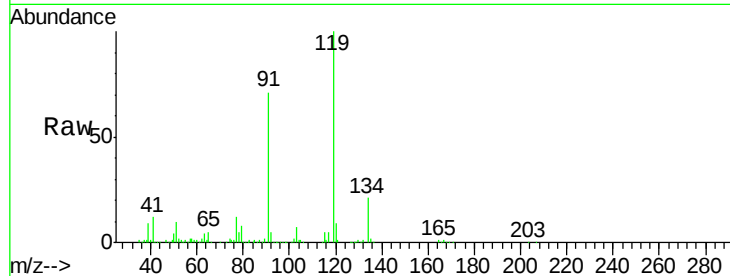




#83
tert-Butylbenzene
Concen: 23.878 ug/l
RT: 14.20 min Scan# 1297
Delta R.T. 0.02 min
Lab File: VD063433.D
Acq: 8 Aug 2019 12:54

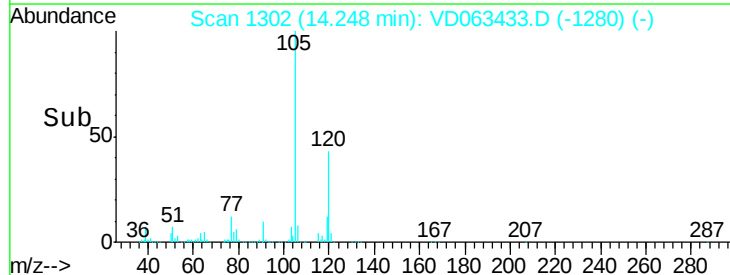
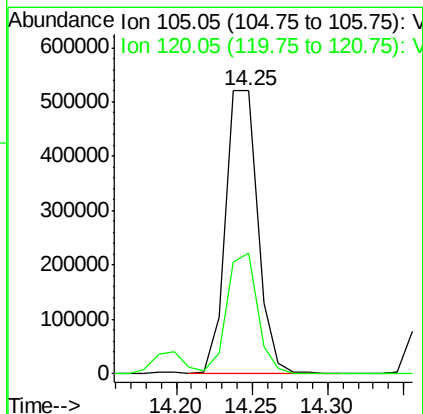
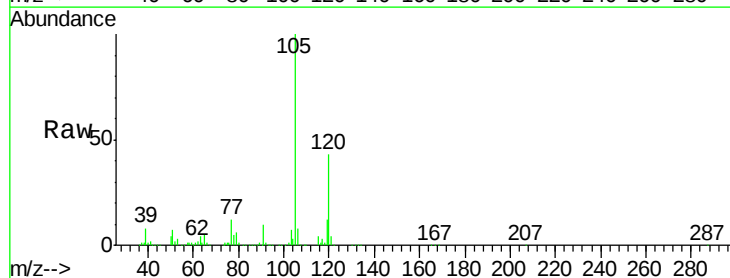
Instrument :
MSVOA_D
ClientSampleId :
VD0808SBSD01

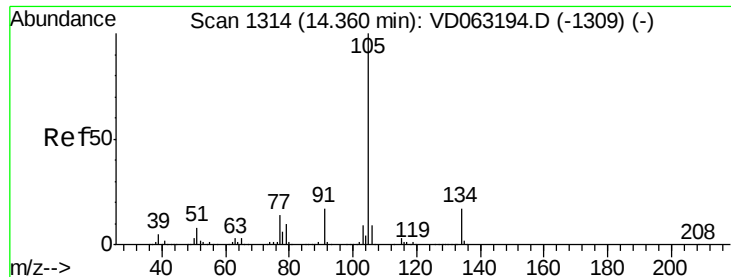
Tot Ion:119 Resp: 887695
Ion Ratio Lower Upper
119 100
91 70.7 39.1 117.5
134 20.9 10.9 32.6



#84
1,2,4-Trimethylbenzene
Concen: 22.900 ug/l
RT: 14.25 min Scan# 1302
Delta R.T. 0.02 min
Lab File: VD063433.D
Acq: 8 Aug 2019 12:54

Tgt Ion:105 Resp: 771222
Ion Ratio Lower Upper
105 100
120 42.6 20.9 62.7

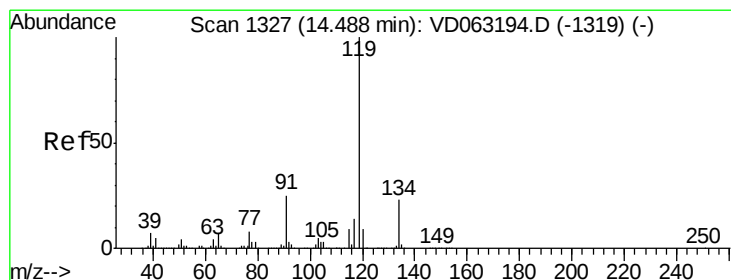
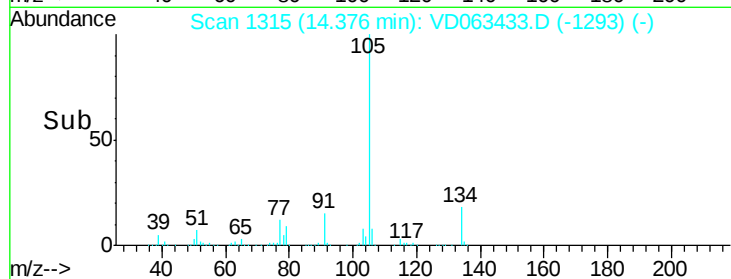
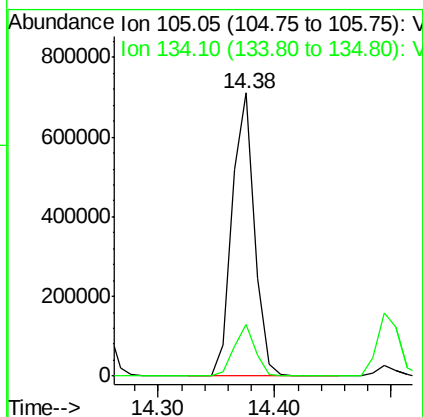
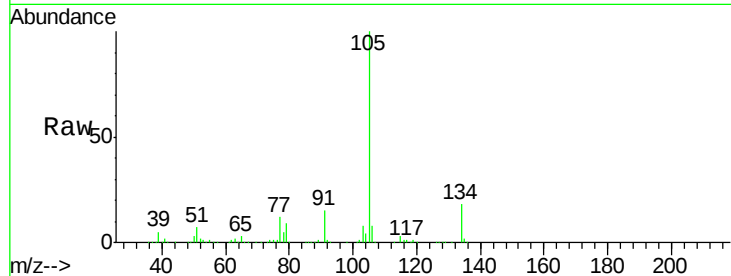




#85
 sec-Butylbenzene
 Concen: 24.041 ug/l
 RT: 14.38 min Scan# 1315
 Delta R.T. 0.02 min
 Lab File: VD063433.D
 Acq: 8 Aug 2019 12:54

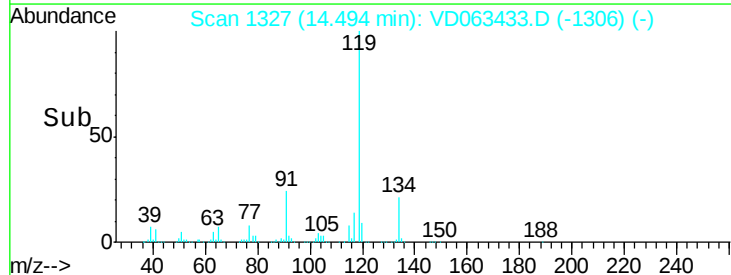
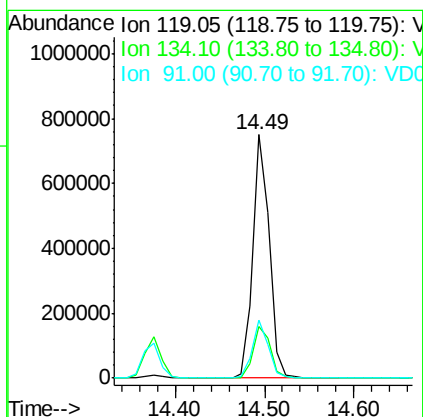
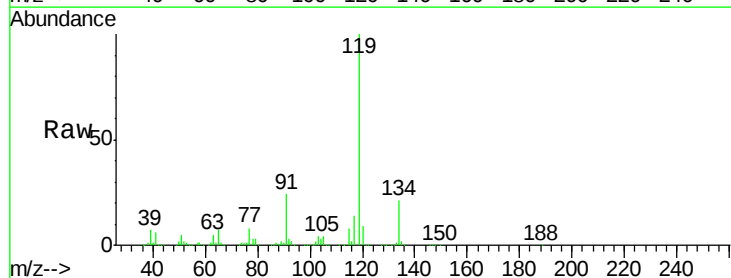
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0808SBS01

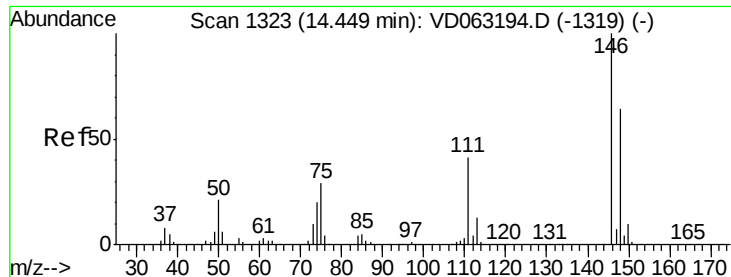
Tot Ion:105 Resp: 941669
 Ion Ratio Lower Upper
 105 100
 134 18.2 8.3 24.9



#86
 p-Isopropyltoluene
 Concen: 25.193 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. 0.01 min
 Lab File: VD063433.D
 Acq: 8 Aug 2019 12:54

Tgt Ion:119 Resp: 941835
 Ion Ratio Lower Upper
 119 100
 134 21.1 11.5 34.5
 91 23.8 12.6 37.6

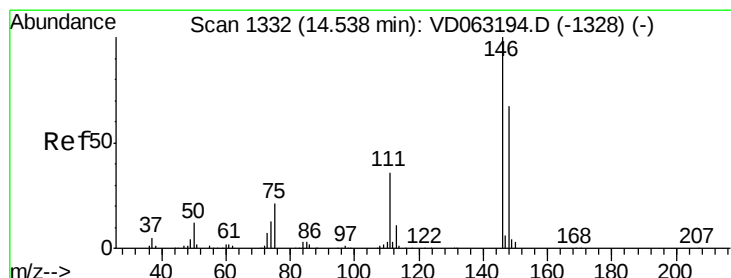
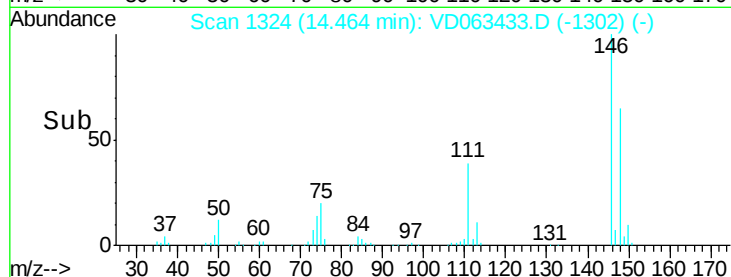
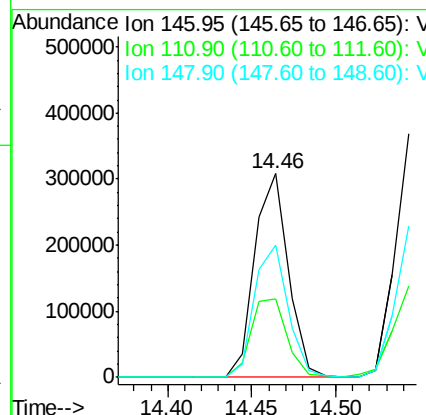
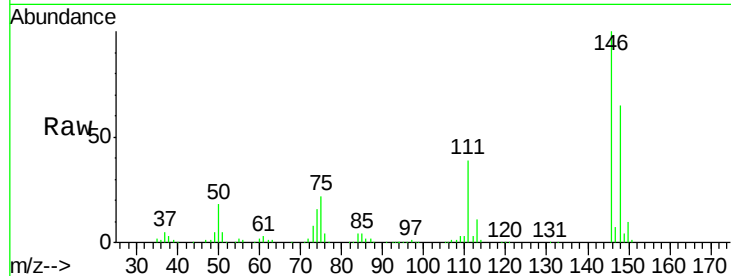




#87
 1,3-Dichlorobenzene
 Concen: 22.439 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.02 min
 Lab File: VD063433.D
 Acq: 8 Aug 2019 12:54

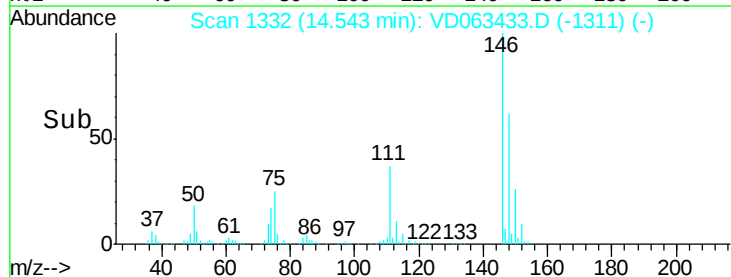
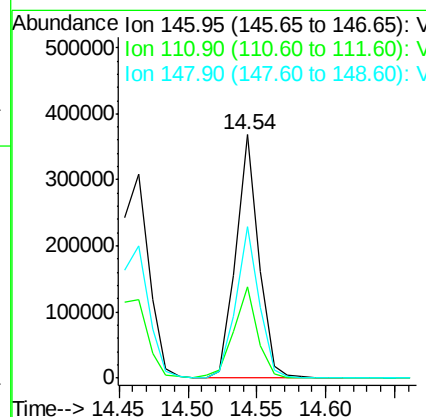
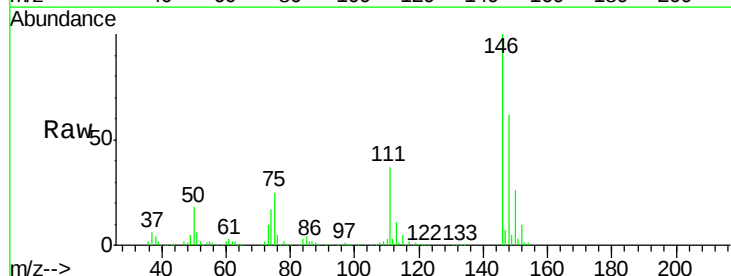
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0808SBSD01

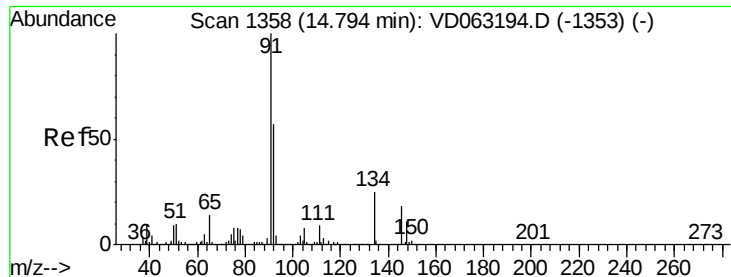
Tot Ion:146 Resp: 427331
 Ion Ratio Lower Upper
 146 100
 111 38.7 20.4 61.3
 148 64.8 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 22.171 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. 0.01 min
 Lab File: VD063433.D
 Acq: 8 Aug 2019 12:54

Tgt Ion:146 Resp: 426962
 Ion Ratio Lower Upper
 146 100
 111 37.4 18.1 54.3
 148 62.1 33.4 100.1





#89

n-Butylbenzene

Concen: 22.961 ug/l

RT: 14.80 min Scan# 1358

Delta R.T. 0.01 min

Lab File: VD063433.D

Acq: 8 Aug 2019 12:54

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBSD01

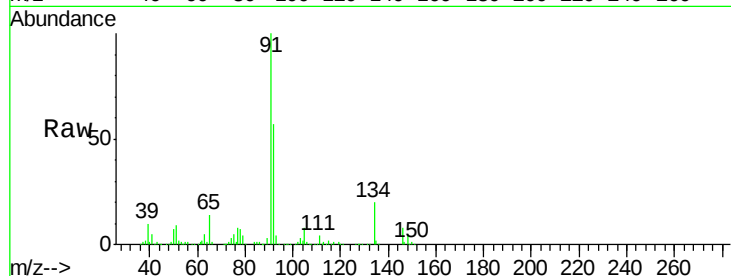
Tot Ion: 91 Resp: 741382

Ion Ratio Lower Upper

91 100

92 57.0 28.3 85.0

134 19.6 12.3 36.8

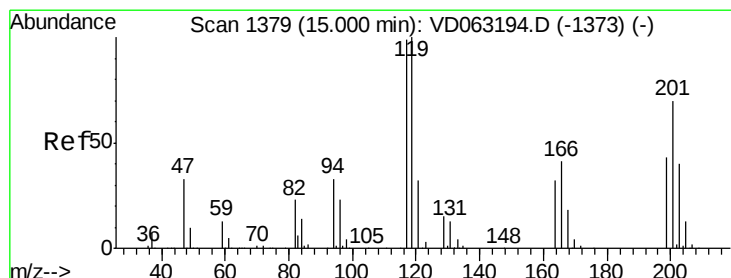
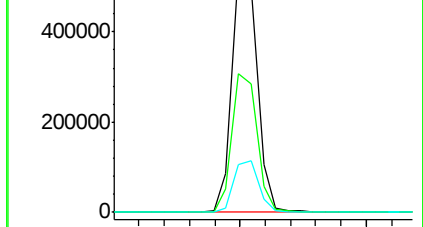
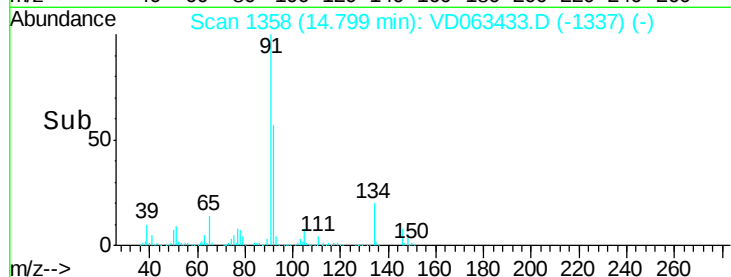


Abundance Ion 91.00 (90.70 to 91.70): VD063194.D (-1353) (-)

Ion 92.00 (91.70 to 92.70): VD063194.D (-1353) (-)

Ion 134.10 (133.80 to 134.80): VD063194.D (-1353) (-)

Time-->



#90

Hexachloroethane

Concen: 22.877 ug/l

RT: 15.02 min Scan# 1380

Delta R.T. 0.02 min

Lab File: VD063433.D

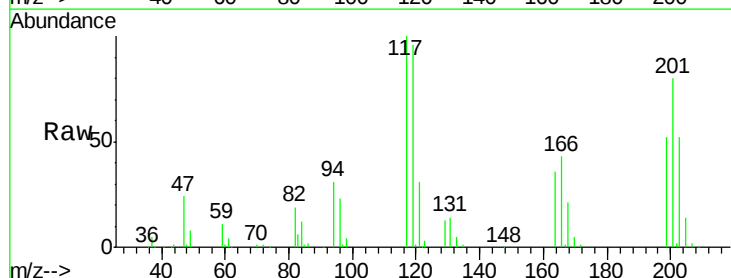
Acq: 8 Aug 2019 12:54

Tgt Ion: 117 Resp: 222821

Ion Ratio Lower Upper

117 100

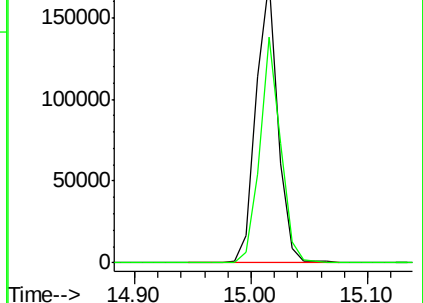
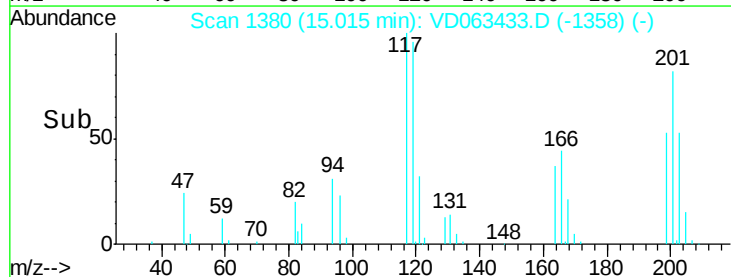
201 79.7 35.2 105.6

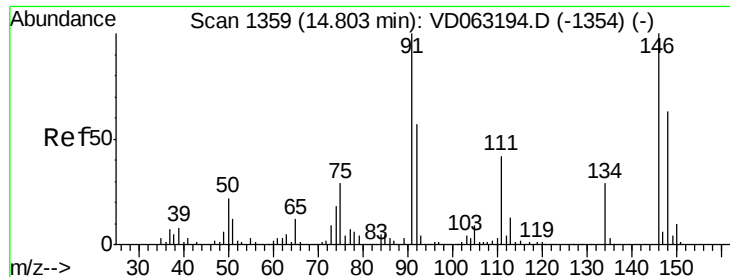


Abundance Ion 116.85 (116.55 to 117.55): VD063194.D (-1373) (-)

Ion 200.75 (200.45 to 201.45): VD063194.D (-1373) (-)

Time-->

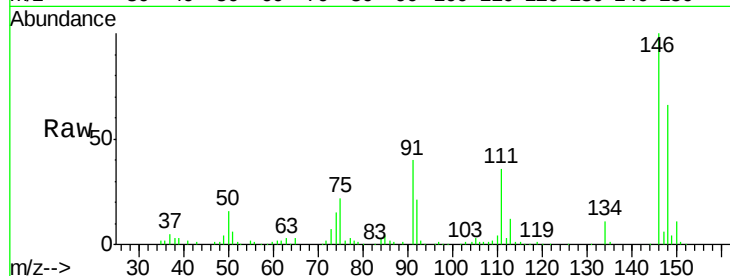




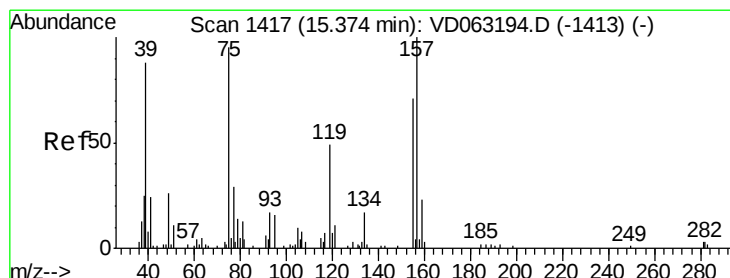
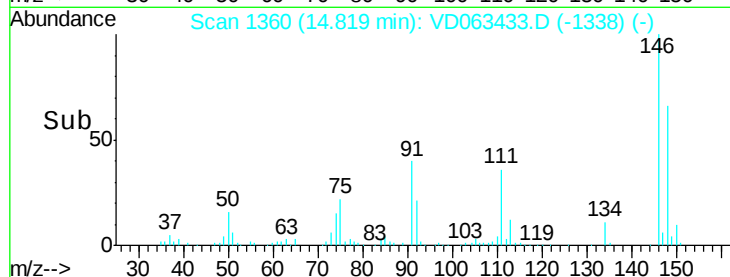
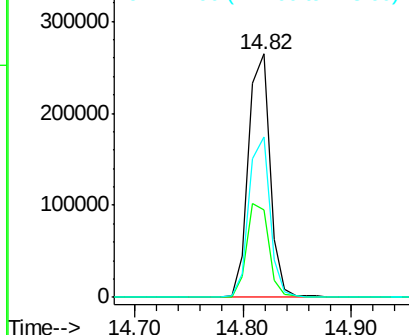
#91
 1,2-Dichlorobenzene
 Concen: 22.218 ug/l
 RT: 14.82 min Scan# 1360
 Delta R.T. 0.02 min
 Lab File: VD063433.D
 Acq: 8 Aug 2019 12:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0808SBSD01

Tot Ion:146 Resp: 368667
 Ion Ratio Lower Upper
 146 100
 111 36.0 21.1 63.3
 148 65.7 31.6 94.8

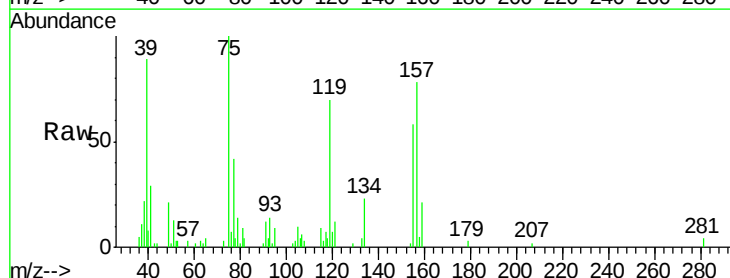


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

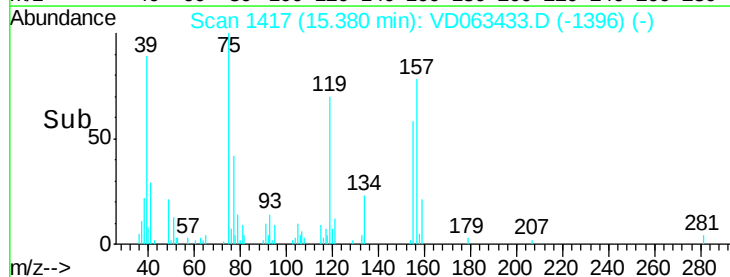
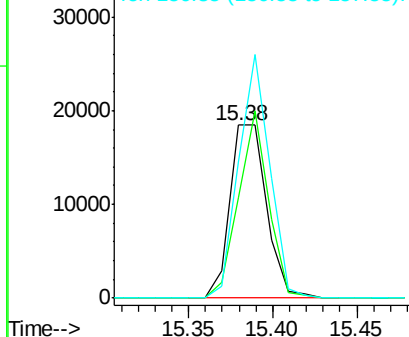


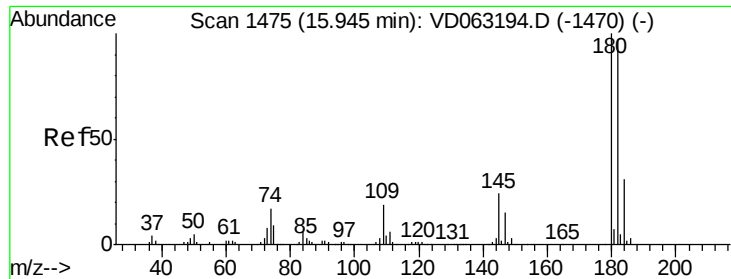
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.324 ug/l
 RT: 15.38 min Scan# 1417
 Delta R.T. 0.01 min
 Lab File: VD063433.D
 Acq: 8 Aug 2019 12:54

Tgt Ion: 75 Resp: 27853
 Ion Ratio Lower Upper
 75 100
 155 58.0 37.0 111.0
 157 78.5 52.4 157.2



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V

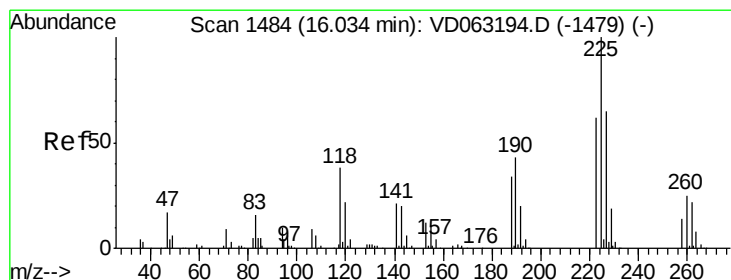
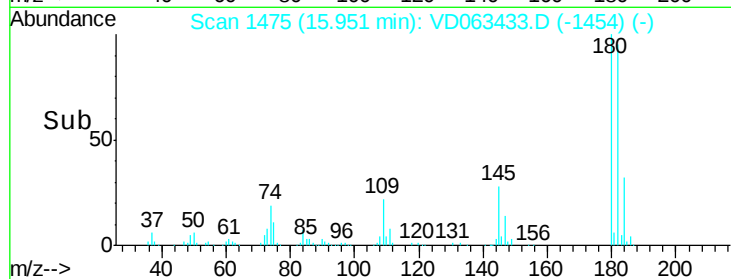
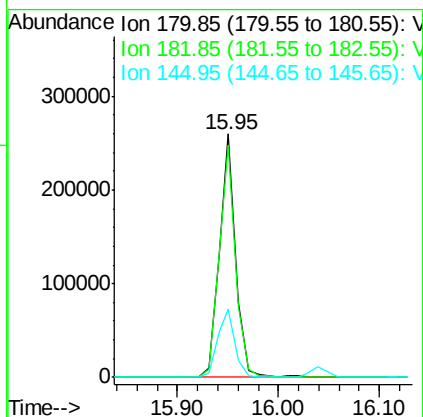
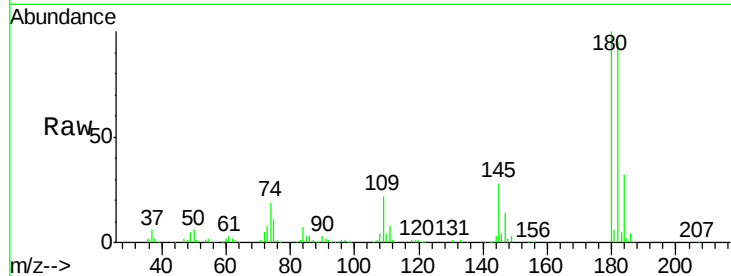




#93
 1,2,4-Trichlorobenzene
 Concen: 22.339 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. 0.01 min
 Lab File: VD063433.D
 Acq: 8 Aug 2019 12:54

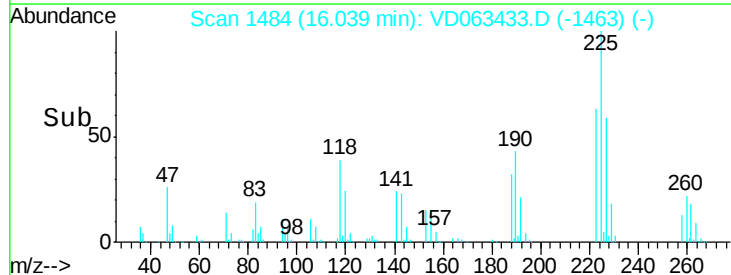
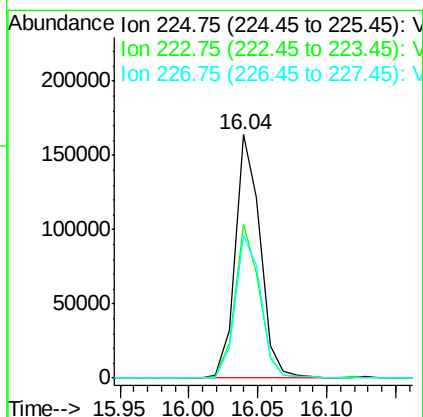
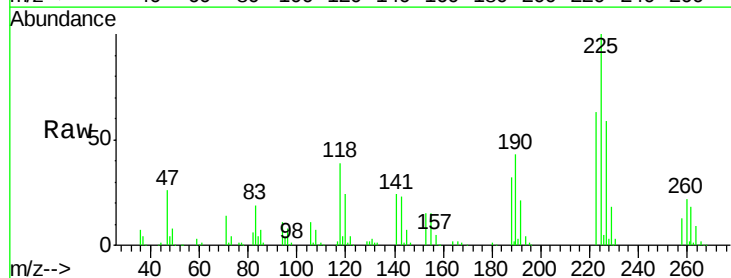
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0808SBSD01

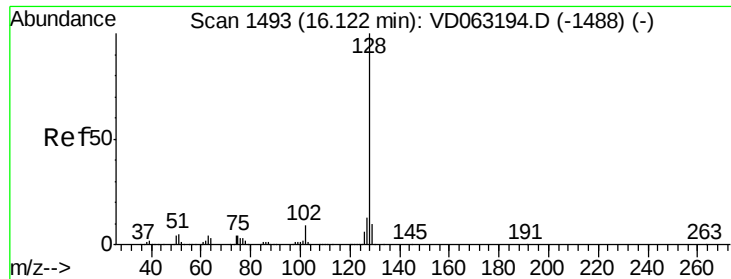
Tot Ion:180 Resp: 294061
 Ion Ratio Lower Upper
 180 100
 182 95.3 48.6 145.8
 145 27.8 12.2 36.6



#94
 Hexachlorobutadiene
 Concen: 21.694 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. 0.01 min
 Lab File: VD063433.D
 Acq: 8 Aug 2019 12:54

Tgt Ion:225 Resp: 206945
 Ion Ratio Lower Upper
 225 100
 223 63.0 30.9 92.5
 227 58.7 32.6 97.7

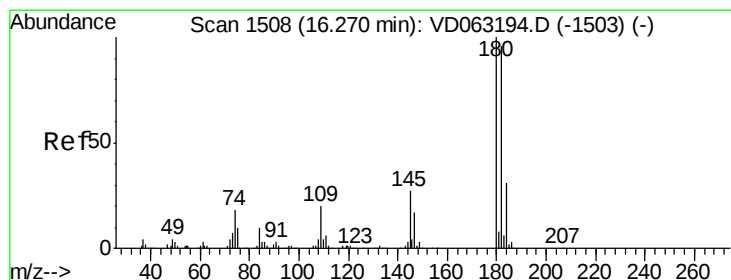
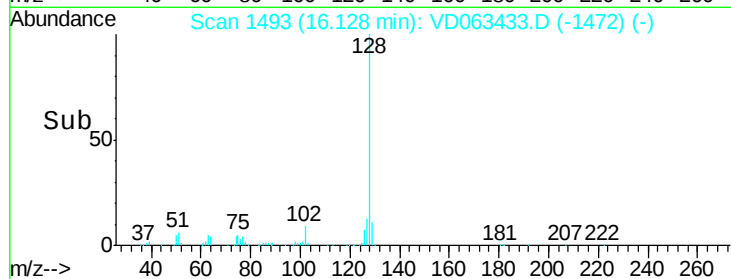
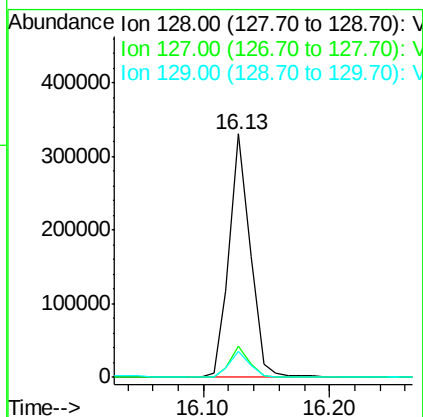
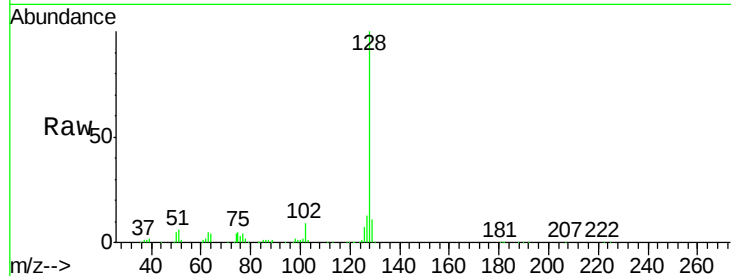




#95
Naphthalene
Concen: 20.631 ug/l
RT: 16.13 min Scan# 1493
Delta R.T. 0.01 min
Lab File: VD063433.D
Acq: 8 Aug 2019 12:54

Instrument :
MSVOA_D
ClientSampleId :
VD0808SBSD01

Tot Ion:128 Resp: 383833
Ion Ratio Lower Upper
128 100
127 13.0 10.2 15.4
129 10.6 7.8 11.8



#96
1,2,3-Trichlorobenzene
Concen: 22.141 ug/l
RT: 16.28 min Scan# 1508
Delta R.T. 0.01 min
Lab File: VD063433.D
Acq: 8 Aug 2019 12:54

Tgt Ion:180 Resp: 230245
Ion Ratio Lower Upper
180 100
182 86.3 48.3 144.9
145 27.7 13.6 40.7

