

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD073019\
 Data File : VD063231.D
 Acq On : 30 Jul 2019 10:09
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Jul 31 04:52:15 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	1050686	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.22	114	1430464	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.36	117	1187667	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	638208	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.45	65	626506	53.74	ug/l	0.01
Spiked Amount	50.000		Recovery	=	107.48%	
35) Dibromofluoromethane	6.92	113	706139	57.82	ug/l	0.01
Spiked Amount	50.000		Recovery	=	115.64%	
50) Toluene-d8	10.41	98	1591231	58.22	ug/l	0.01
Spiked Amount	50.000		Recovery	=	116.44%	
62) 4-Bromofluorobenzene	13.55	95	686025	55.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	656780	51.138	ug/l	99
3) Chloromethane	1.75	50	501332	50.241	ug/l #	89
4) Vinyl Chloride	1.85	62	529366	51.246	ug/l	99
5) Bromomethane	2.15	94	271991	52.207	ug/l	97
6) Chloroethane	2.27	64	251893	52.816	ug/l	99
7) Trichlorofluoromethane	2.53	101	1097000	54.740	ug/l	97
8) Diethyl Ether	2.87	74	147176	52.475	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.14	101	598290	53.896	ug/l	97
10) Methyl Iodide	3.30	142	850409	53.029	ug/l	99
11) Tert butyl alcohol	4.08	59	106547	208.252	ug/l	95
12) 1,1-Dichloroethene	3.13	96	476271	58.442	ug/l	86
13) Acrolein	3.03	56	114685	232.915	ug/l	89
14) Allyl chloride	3.62	41	686192	52.855	ug/l	90
15) Acrylonitrile	4.19	53	330504	249.168	ug/l	95
16) Acetone	3.23	43	665127	292.813	ug/l	99
17) Carbon Disulfide	3.37	76	1423679	52.193	ug/l	98
18) Methyl Acetate	3.64	43	203816	46.713	ug/l	95
19) Methyl tert-butyl Ether	4.24	73	950568	51.637	ug/l	97
20) Methylene Chloride	3.81	84	456693	49.739	ug/l	97
21) trans-1,2-Dichloroethene	4.22	96	481699	52.679	ug/l	91
22) Diisopropyl ether	5.13	45	1350761	52.077	ug/l	100
23) Vinyl Acetate	5.06	43	4224636	264.969	ug/l	100
24) 1,1-Dichloroethane	4.98	63	834600	50.375	ug/l	96
25) 2-Butanone	6.07	43	620325	272.114	ug/l	94
26) 2,2-Dichloropropane	6.02	77	936104	54.827	ug/l	100
27) cis-1,2-Dichloroethene	6.03	96	504184	51.428	ug/l	98
28) Bromochloromethane	6.44	49	315898	47.856	ug/l #	100
29) Tetrahydrofuran	6.46	42	254089	235.421	ug/l	98
30) Chloroform	6.66	83	1034793	50.329	ug/l	99
31) Cyclohexane	6.95	56	551763	53.132	ug/l	96
32) 1,1,1-Trichloroethane	6.87	97	1071733	53.889	ug/l	96
36) 1,1-Dichloropropene	7.15	75	696632	53.362	ug/l	98
37) Ethyl Acetate	6.18	43	296511	50.556	ug/l	99
38) Carbon Tetrachloride	7.11	117	1140086	58.009	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	560030	51.488	ug/l	100
40) Benzene	7.45	78	1433317	52.387	ug/l	98
41) Methacrylonitrile	6.45	41	339695	48.419	ug/l #	83
42) 1,2-Dichloroethane	7.58	62	770760	53.154	ug/l	97
43) Isopropyl Acetate	9.24	43	392084	52.334	ug/l	99
44) Trichloroethene	8.54	130	571074	51.510	ug/l	97
45) 1,2-Dichloropropane	8.94	63	354345	50.953	ug/l	99
46) Dibromomethane	9.06	93	310804	53.750	ug/l	90
47) Bromodichloromethane	9.37	83	789442	53.558	ug/l	96
48) Methyl methacrylate	9.12	41	264131	54.360	ug/l	95
49) 1,4-Dioxane	9.07	88	40775	990.586	ug/l #	82
51) 4-Methyl-2-Pentanone	10.30	43	1288003	252.791	ug/l	98
52) Toluene	10.51	92	968068	53.198	ug/l	89
53) t-1,3-Dichloropropene	10.92	75	691253	54.396	ug/l	95
54) cis-1,3-Dichloropropene	10.04	75	733011	54.884	ug/l	97
55) 1,1,2-Trichloroethane	11.19	97	329527	53.617	ug/l	94
56) Ethyl methacrylate	11.04	69	354851	52.727	ug/l	94
57) 1,3-Dichloropropane	11.41	76	519613	53.660	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.85	63	934758	266.932	ug/l	97
59) 2-Hexanone	11.53	43	1014081	276.184	ug/l	98
60) Dibromochloromethane	11.68	129	622925	53.689	ug/l	100
61) 1,2-Dibromoethane	11.80	107	405879	53.520	ug/l	92
64) Tetrachloroethene	11.25	164	483063	51.055	ug/l	97
65) Chlorobenzene	12.39	112	1197776	52.433	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	558053	55.458	ug/l	98
67) Ethyl Benzene	12.52	91	2162230	55.717	ug/l	100
68) m/p-Xylenes	12.67	106	1519204	106.747	ug/l	91
69) o-Xylene	13.05	106	670648	51.315	ug/l	97
70) Styrene	13.07	104	1155665	49.862	ug/l	97
71) Bromoform	13.23	173	408241	55.788	ug/l	97
73) Isopropylbenzene	13.41	105	2250789	56.191	ug/l	97
74) N-amyl acetate	13.27	43	565413	53.396	ug/l	94
75) 1,1,2,2-Tetrachloroethane	13.70	83	375055	55.122	ug/l	99
76) 1,2,3-Trichloropropane	13.73	75	399001	52.050	ug/l	99
77) Bromobenzene	13.67	156	570635	50.009	ug/l	86
78) n-propylbenzene	13.77	91	2574401	54.007	ug/l	97
79) 2-Chlorotoluene	13.84	91	1466348	53.090	ug/l	100
80) 1,3,5-Trimethylbenzene	13.93	105	1803449	52.201	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.48	75	105280	49.460	ug/l	98
82) 4-Chlorotoluene	13.95	91	1713626	52.719	ug/l	100
83) tert-Butylbenzene	14.18	119	2092882	53.055	ug/l	97
84) 1,2,4-Trimethylbenzene	14.23	105	1939299	54.270	ug/l	98
85) sec-Butylbenzene	14.36	105	2275060	54.740	ug/l	98
86) p-Isopropyltoluene	14.49	119	1813924	45.728	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	1084712	53.679	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	997167	48.799	ug/l	99
89) n-Butylbenzene	14.79	91	1795594	52.410	ug/l	95
90) Hexachloroethane	15.00	117	551128	53.327	ug/l	86
91) 1,2-Dichlorobenzene	14.80	146	897001	50.948	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.38	75	71691	51.727	ug/l	93

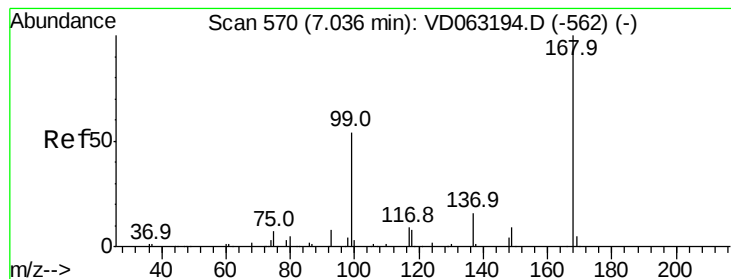
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Quant Title : SW846 8260
QLast Update : Tue Jul 30 03:04:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	703067	50.337	ug/l	99
94) Hexachlorobutadiene	16.03	225	538672	53.219	ug/l	99
95) Naphthalene	16.12	128	1008426	51.082	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	575718	52.177	ug/l	100

(#) = 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. 0.01 min

Lab File: VD063231.D

Acq: 30 Jul 2019 10:09

Instrument :

MSVOA_D

ClientSampleId :

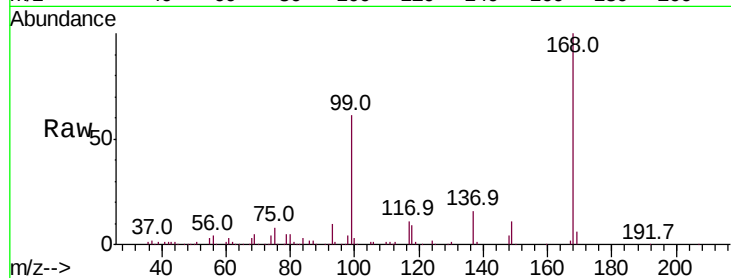
VSTDCCC050

Tot Ion:168 Resp: 1050686

Ion Ratio Lower Upper

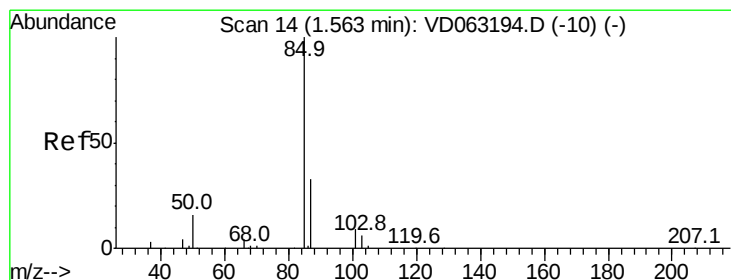
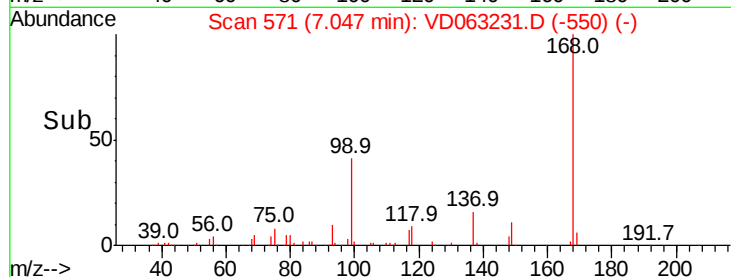
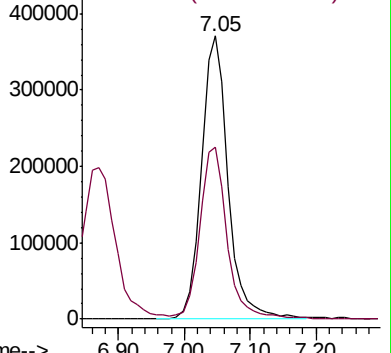
168 100

99 60.9 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 51.138 ug/l

RT: 1.57 min Scan# 15

Delta R.T. 0.01 min

Lab File: VD063231.D

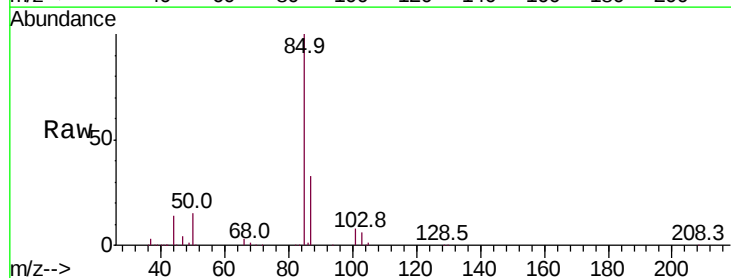
Acq: 30 Jul 2019 10:09

Tgt Ion: 85 Resp: 656780

Ion Ratio Lower Upper

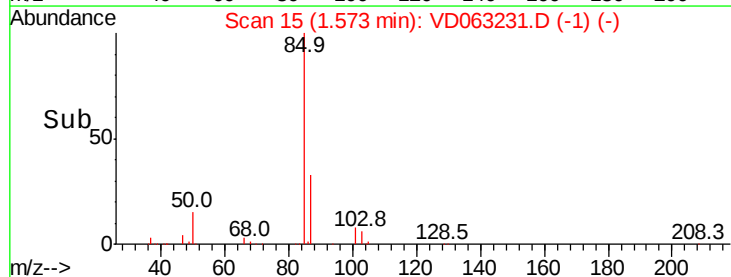
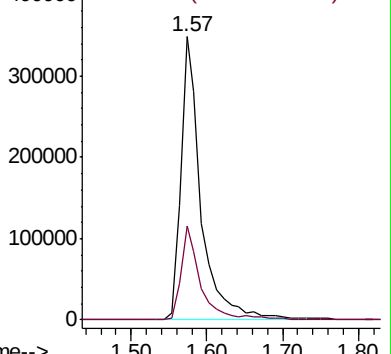
85 100

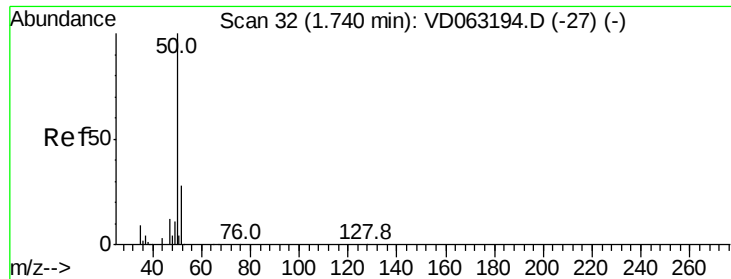
87 33.4 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 50.241 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.01 min

Lab File: VD063231.D

Acq: 30 Jul 2019 10:09

Instrument :

MSVOA_D

ClientSampleId :

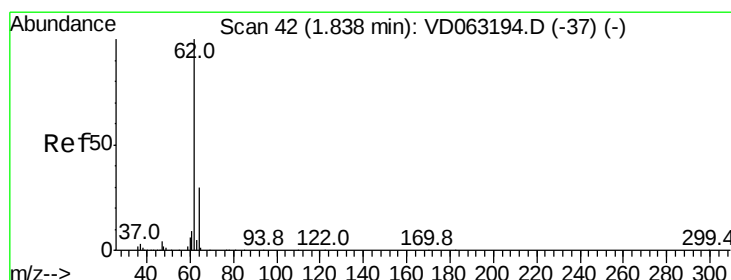
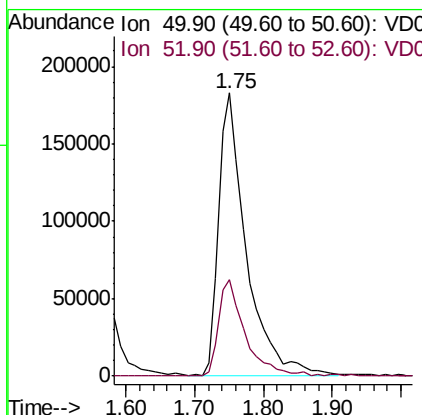
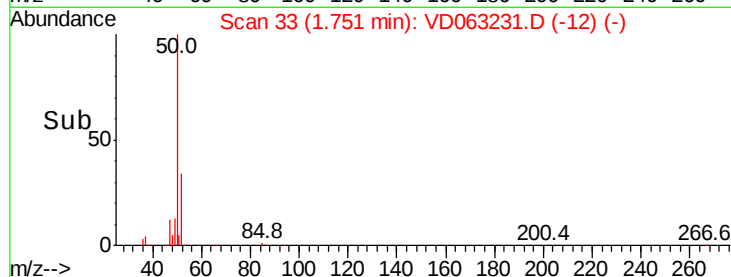
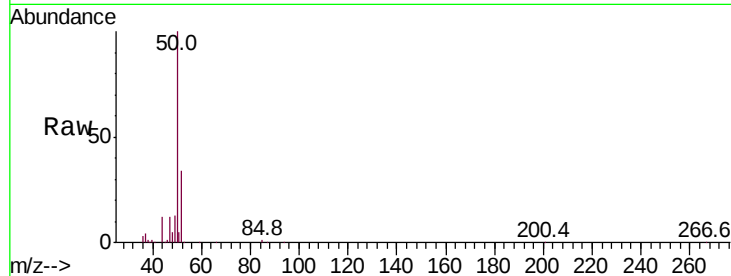
VSTDCCC050

Tot Ion: 50 Resp: 501332

Ion Ratio Lower Upper

50 100

52 34.2 22.6 34.0#



#4

Vinyl Chloride

Concen: 51.246 ug/l

RT: 1.85 min Scan# 43

Delta R.T. 0.01 min

Lab File: VD063231.D

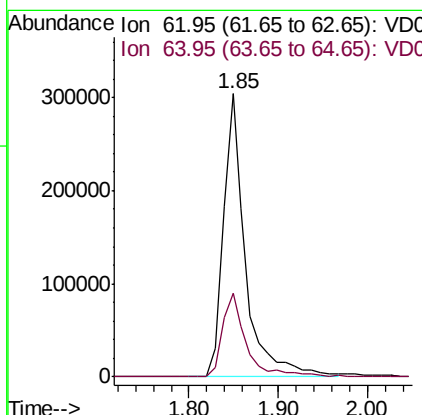
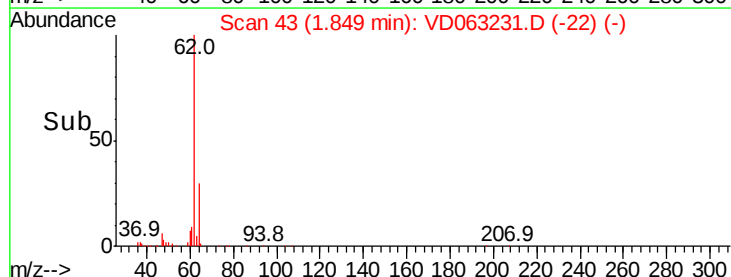
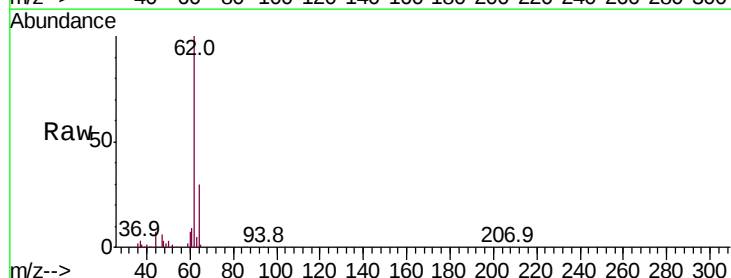
Acq: 30 Jul 2019 10:09

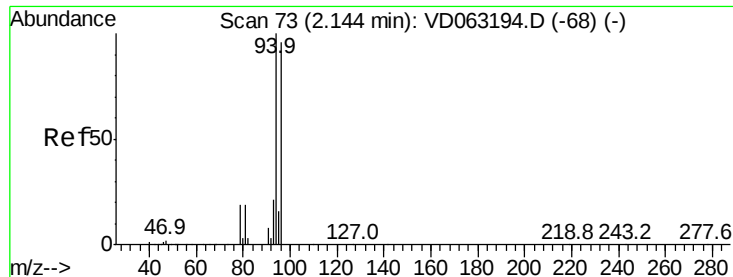
Tgt Ion: 62 Resp: 529366

Ion Ratio Lower Upper

62 100

64 29.7 24.1 36.1





#5

Bromomethane

Concen: 52.207 ug/l

RT: 2.15 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD063231.D

Acq: 30 Jul 2019 10:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

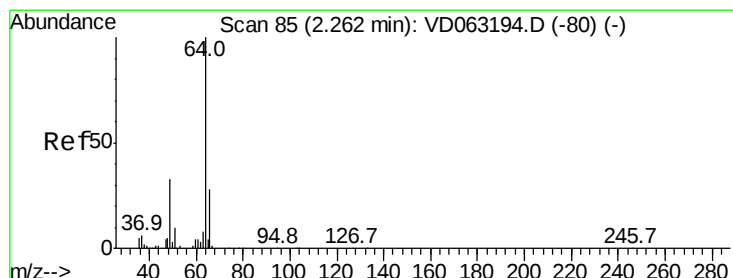
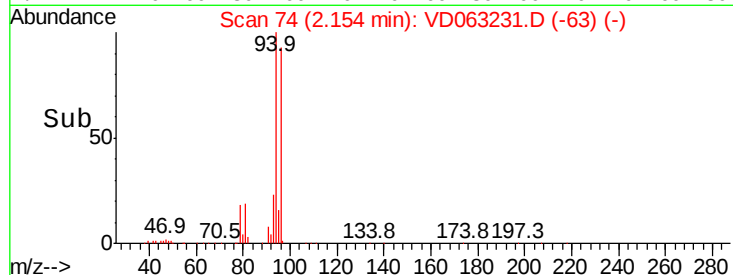
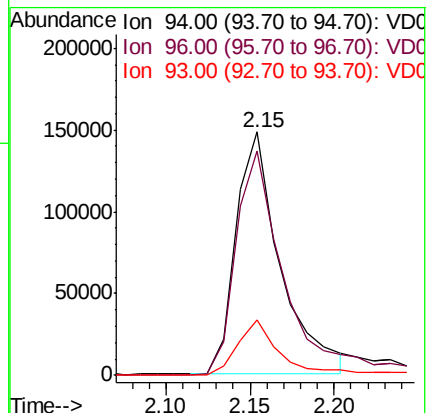
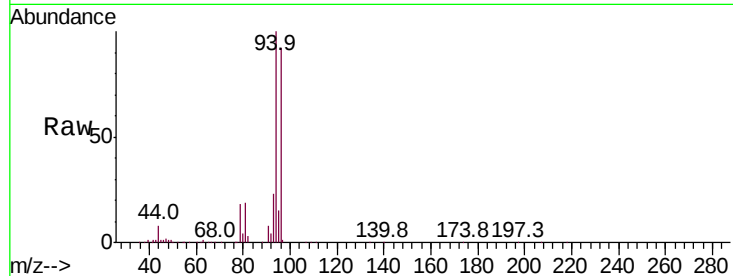
Tot Ion: 94 Resp: 271991

Ion Ratio Lower Upper

94 100

96 92.3 76.4 114.6

93 22.6 17.3 25.9



#6

Chloroethane

Concen: 52.816 ug/l

RT: 2.27 min Scan# 86

Delta R.T. 0.01 min

Lab File: VD063231.D

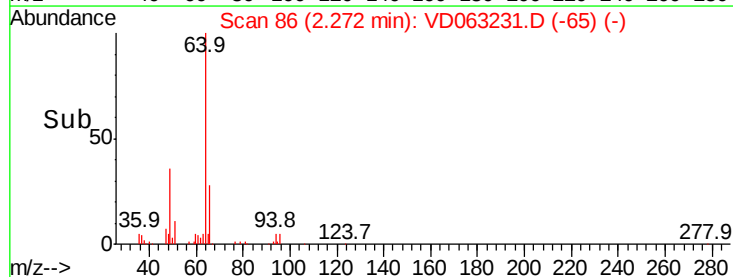
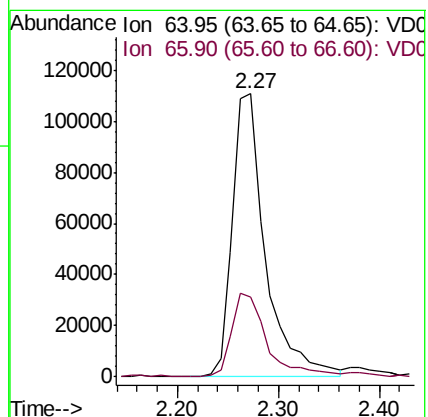
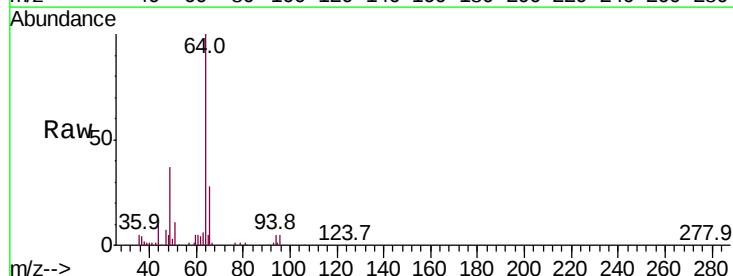
Acq: 30 Jul 2019 10:09

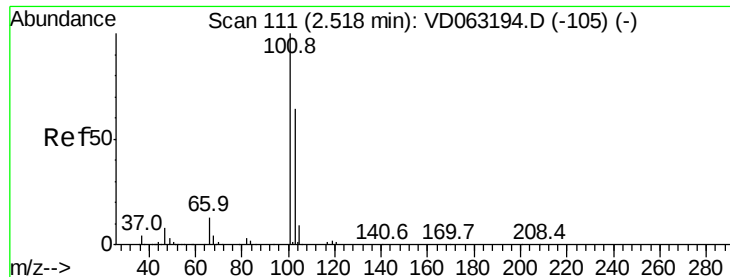
Tgt Ion: 64 Resp: 251893

Ion Ratio Lower Upper

64 100

66 28.1 22.2 33.2



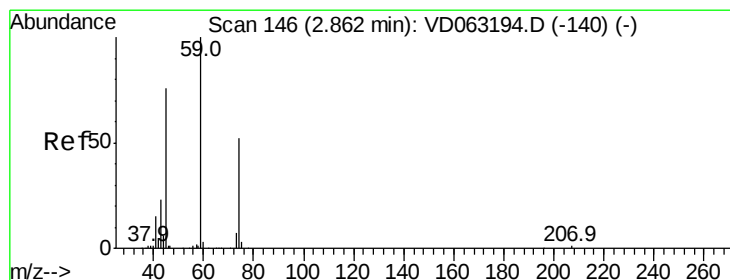
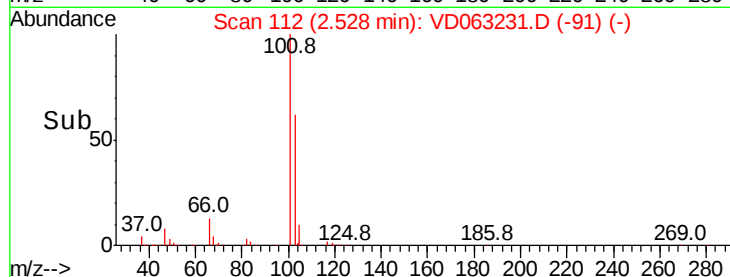
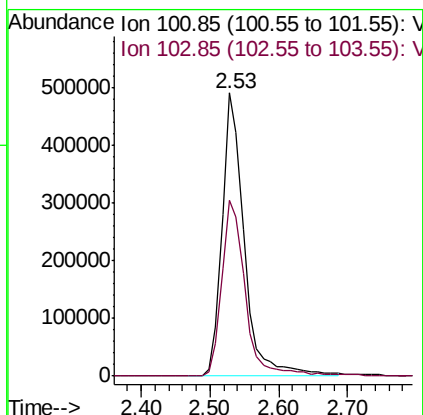
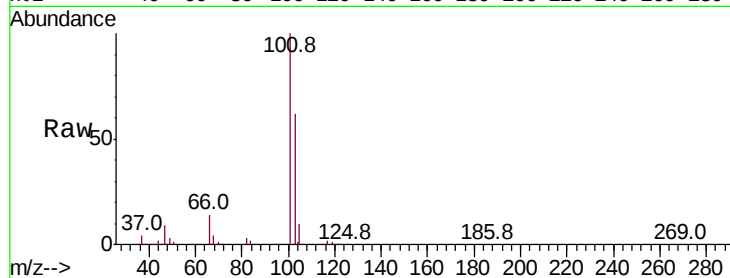


#7

Trichlorofluoromethane
 Concen: 54.740 ug/l
 RT: 2.53 min Scan# 112
 Delta R.T. 0.01 min
 Lab File: VD063231.D
 Acq: 30 Jul 2019 10:09

Instrument :
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 ClientSampleId :
 VSTDCCC050

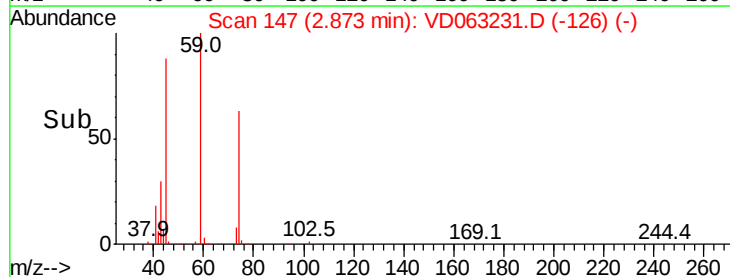
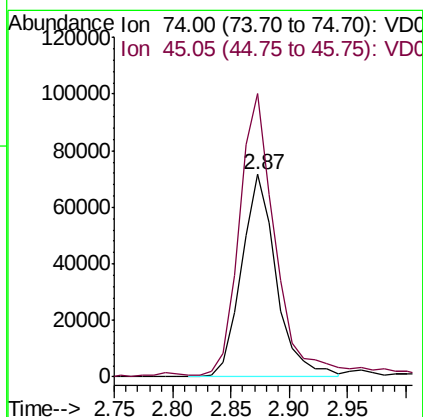
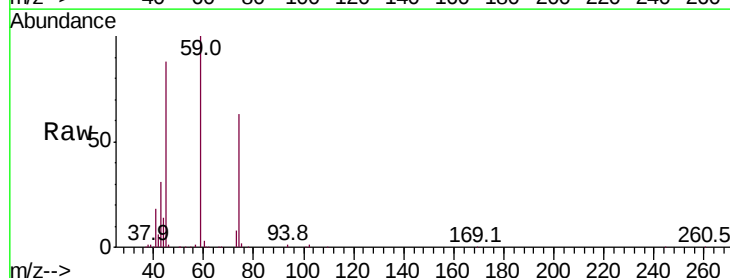
Tot Ion:101 Resp: 1097000
 Ion Ratio Lower Upper
 101 100
 103 62.0 51.5 77.3

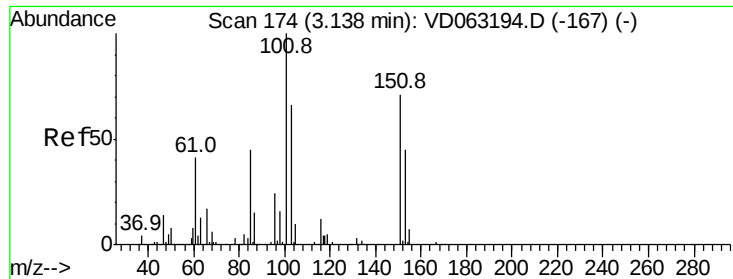


#8

Diethyl Ether
 Concen: 52.475 ug/l
 RT: 2.87 min Scan# 147
 Delta R.T. 0.01 min
 Lab File: VD063231.D
 Acq: 30 Jul 2019 10:09

Tgt Ion: 74 Resp: 147176
 Ion Ratio Lower Upper
 74 100
 45 140.0 73.6 220.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.896 ug/l

RT: 3.14 min Scan# 174

Delta R.T. 0.00 min

Lab File: VD063231.D

Acq: 30 Jul 2019 10:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

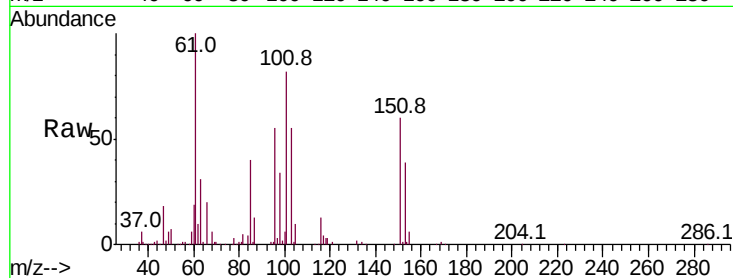
Tot Ion:101 Resp: 598290

Ion Ratio Lower Upper

101 100

85 48.2 36.1 54.1

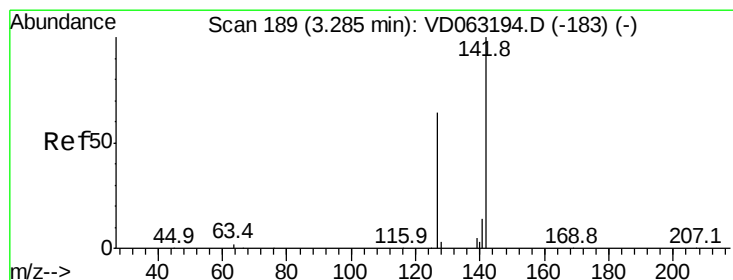
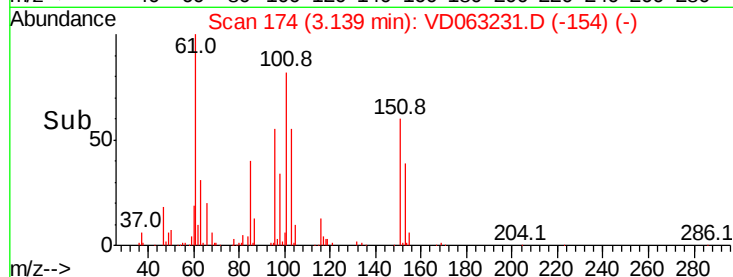
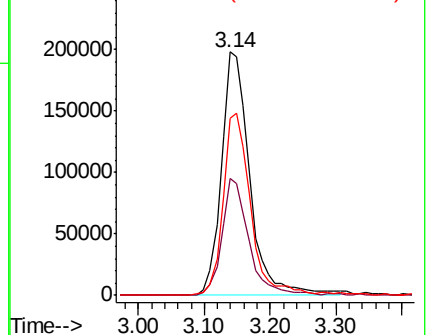
151 72.7 57.1 85.7



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: 53.029 ug/l

RT: 3.30 min Scan# 190

Delta R.T. 0.01 min

Lab File: VD063231.D

Acq: 30 Jul 2019 10:09

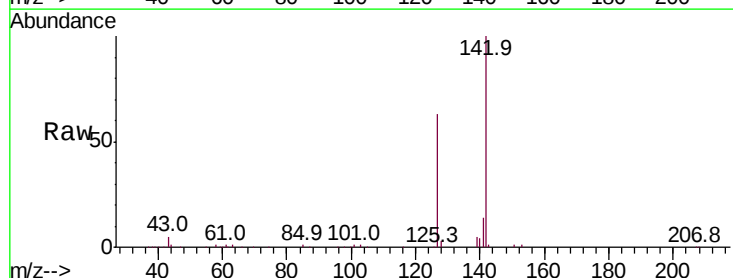
Tgt Ion:142 Resp: 850409

Ion Ratio Lower Upper

142 100

127 62.6 50.8 76.2

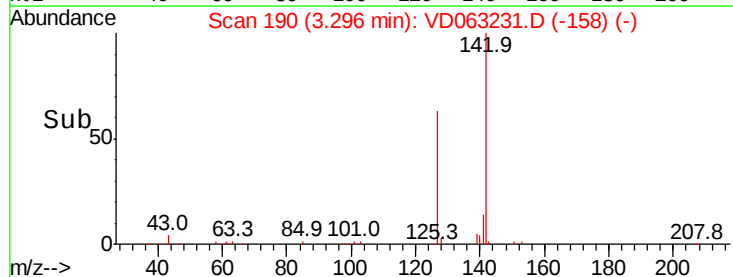
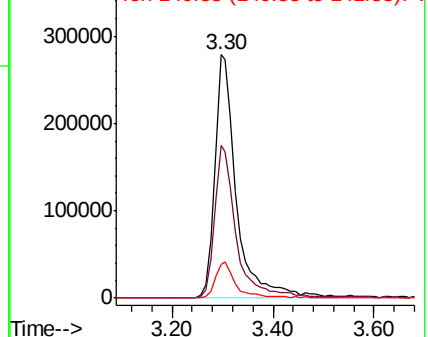
141 13.8 11.4 17.2

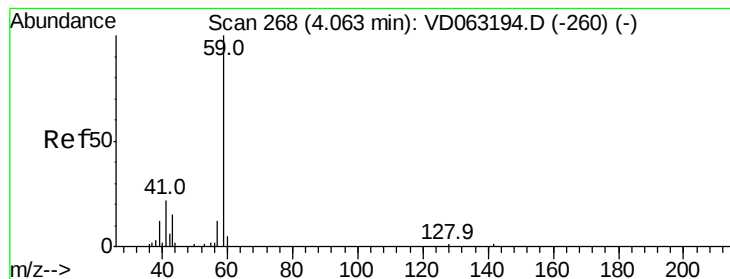


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



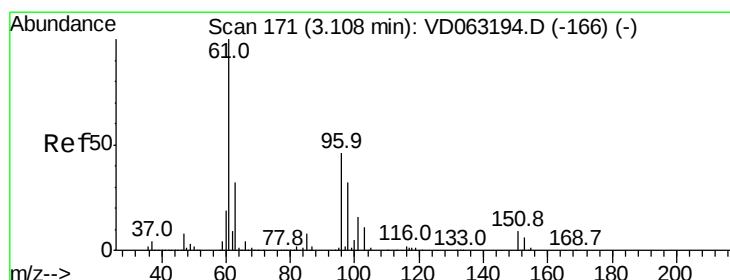
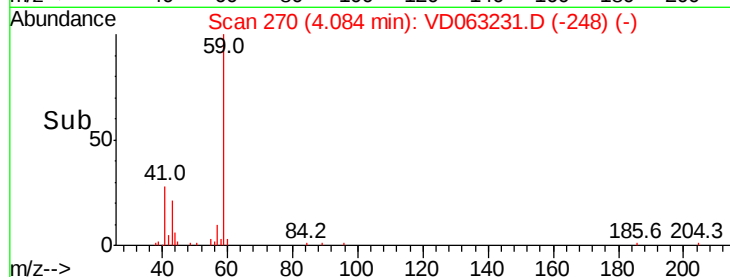
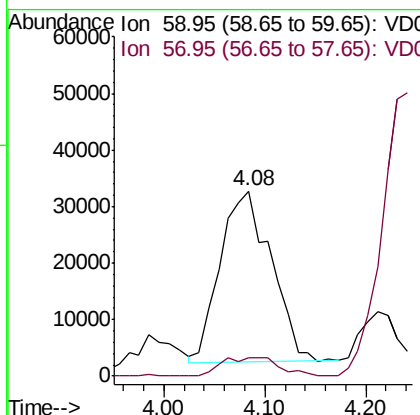
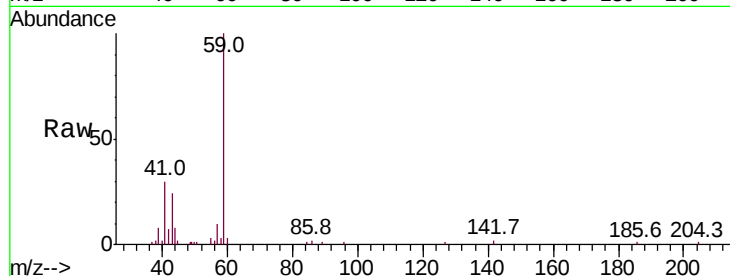


#11

Tert butyl alcohol
Concen: 208.252 ug/l
RT: 4.08 min Scan# 270
Delta R.T. 0.02 min
Lab File: VD063231.D
Acq: 30 Jul 2019 10:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

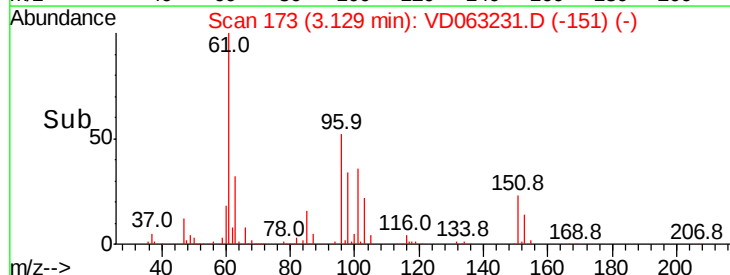
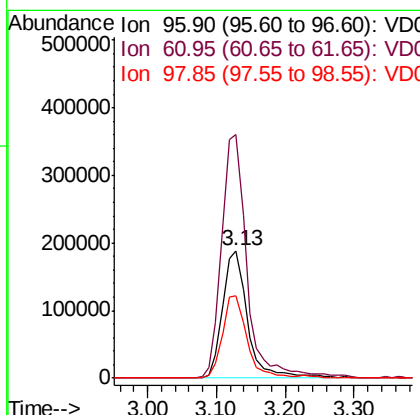
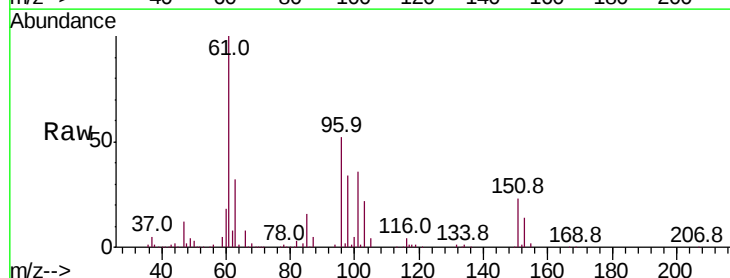
Tot Ion: 59 Resp: 106547
Ion Ratio Lower Upper
59 100
57 10.0 9.6 14.4

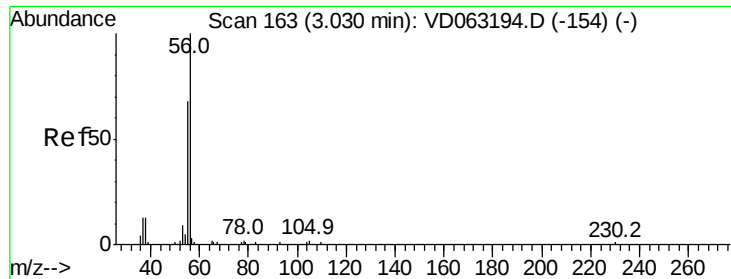


#12

1,1-Dichloroethene
Concen: 58.442 ug/l
RT: 3.13 min Scan# 173
Delta R.T. 0.02 min
Lab File: VD063231.D
Acq: 30 Jul 2019 10:09

Tgt Ion: 96 Resp: 476271
Ion Ratio Lower Upper
96 100
61 191.1 173.7 260.5
98 65.1 55.8 83.8





#13

Acrolein

Concen: 232.915 ug/l

RT: 3.03 min Scan# 163

Delta R.T. 0.00 min

Lab File: VD063231.D

Acq: 30 Jul 2019 10:09

Instrument :

MSVOA_D

ClientSampleId :

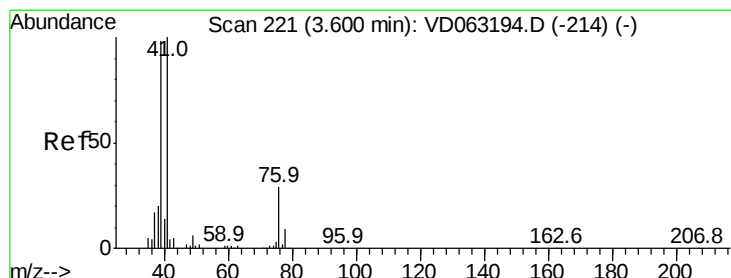
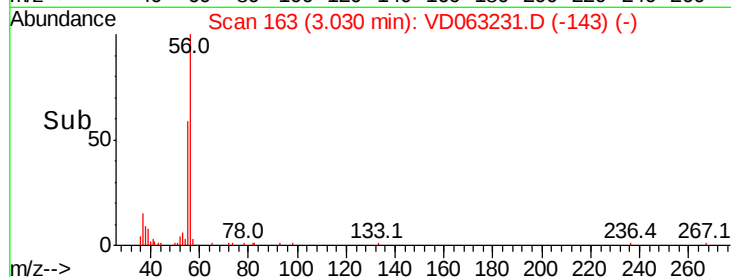
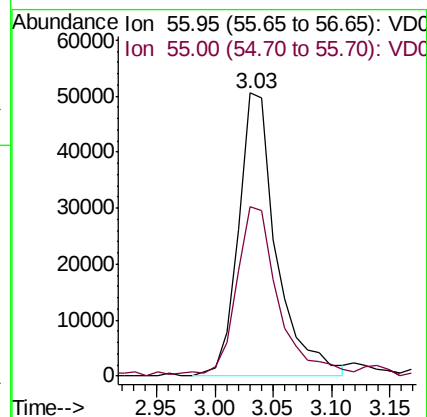
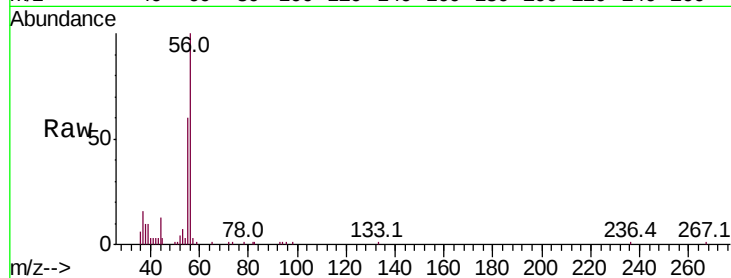
VSTDCCC050

Tot Ion: 56 Resp: 114685

Ion Ratio Lower Upper

56 100

55 59.8 55.3 82.9



#14

Allyl chloride

Concen: 52.855 ug/l

RT: 3.62 min Scan# 223

Delta R.T. 0.02 min

Lab File: VD063231.D

Acq: 30 Jul 2019 10:09

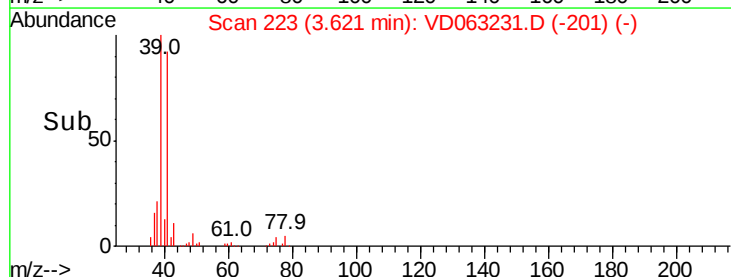
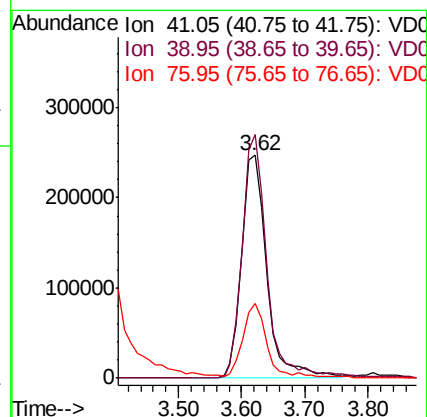
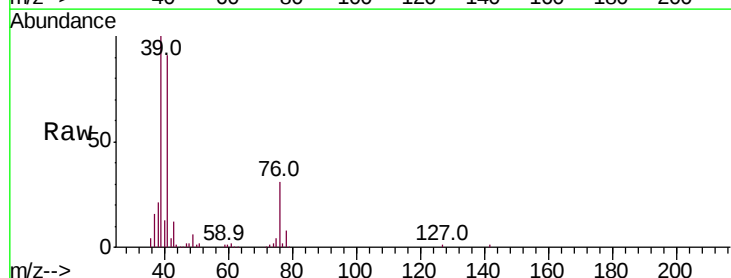
Tgt Ion: 41 Resp: 686192

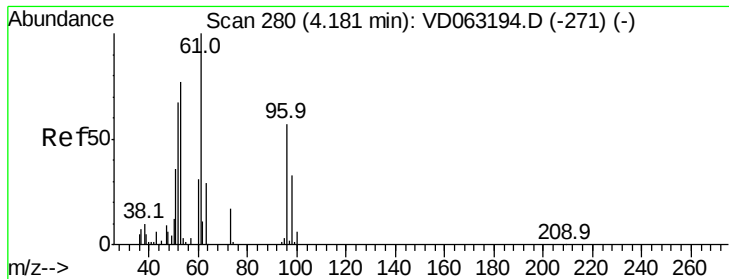
Ion Ratio Lower Upper

41 100

39 109.3 78.6 117.8

76 33.8 24.5 36.7





#15

Acrylonitrile

Concen: 249.168 ug/l

RT: 4.19 min Scan# 281

Delta R.T. 0.01 min

Lab File: VD063231.D

Acq: 30 Jul 2019 10:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

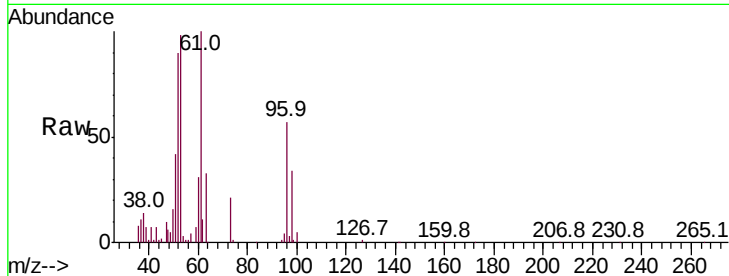
Tot Ion: 53 Resp: 330504

Ion Ratio Lower Upper

53 100

52 91.3 69.7 104.5

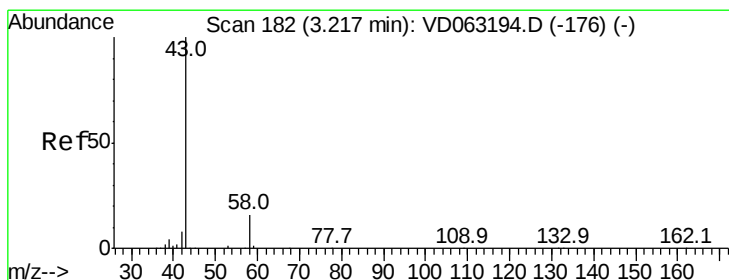
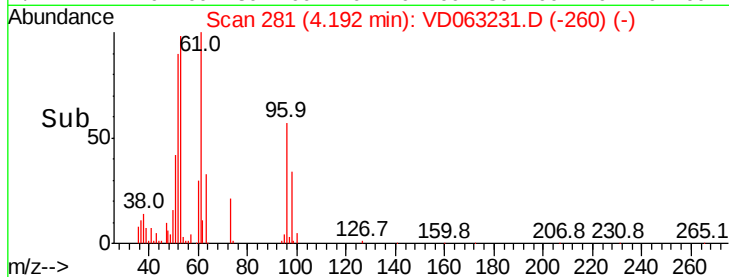
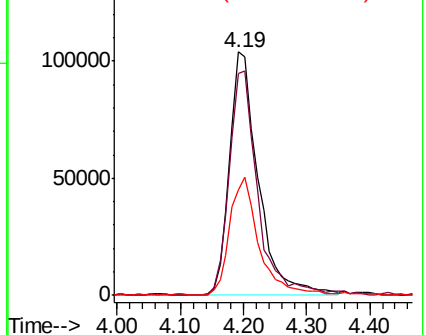
51 43.2 37.4 56.0



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: 292.813 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.01 min

Lab File: VD063231.D

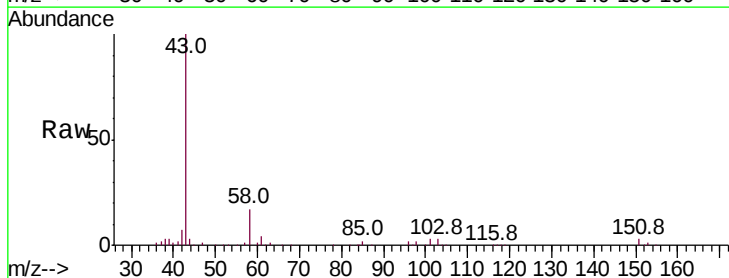
Acq: 30 Jul 2019 10:09

Tgt Ion: 43 Resp: 665127

Ion Ratio Lower Upper

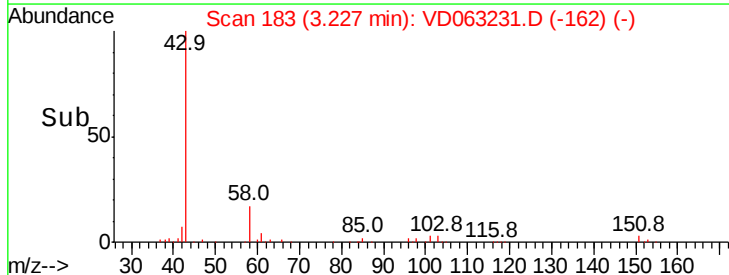
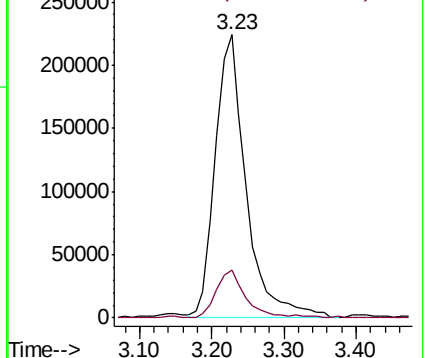
43 100

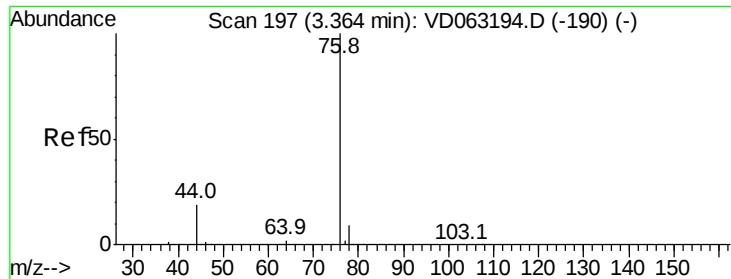
58 16.7 13.0 19.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

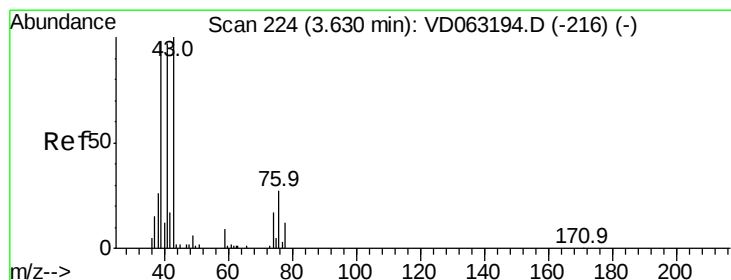
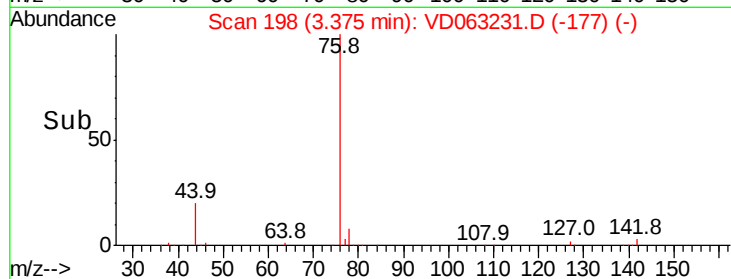
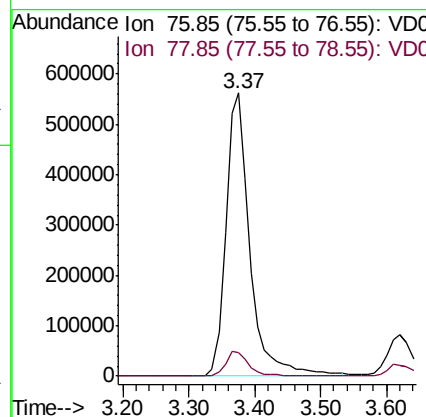
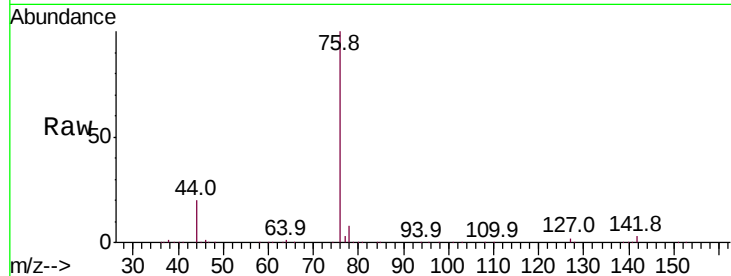




#17
Carbon Disulfide
Concen: 52.193 ug/l
RT: 3.37 min Scan# 198
Delta R.T. 0.01 min
Lab File: VD063231.D
Acq: 30 Jul 2019 10:09

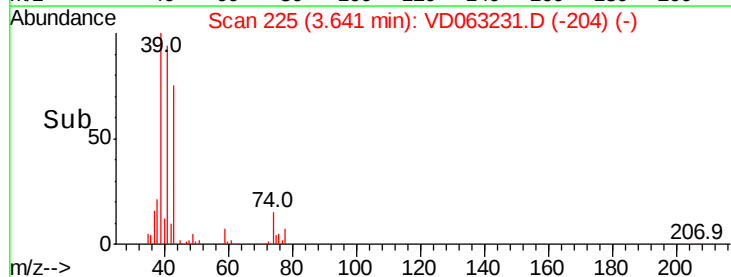
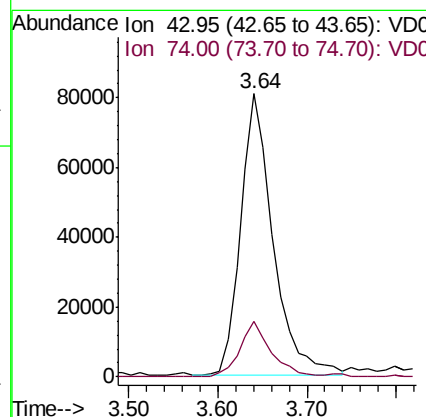
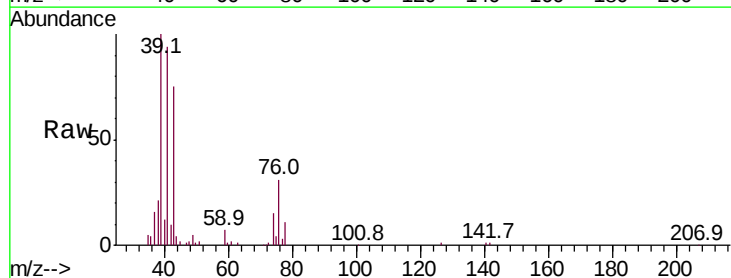
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

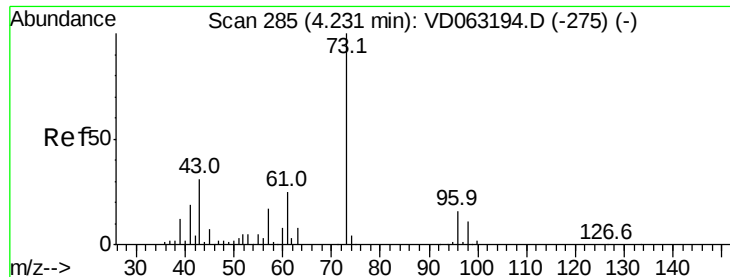
Tot Ion: 76 Resp: 1423679
Ion Ratio Lower Upper
76 100
78 8.5 7.4 11.2



#18
Methyl Acetate
Concen: 46.713 ug/l
RT: 3.64 min Scan# 225
Delta R.T. 0.01 min
Lab File: VD063231.D
Acq: 30 Jul 2019 10:09

Tgt Ion: 43 Resp: 203816
Ion Ratio Lower Upper
43 100
74 19.4 13.8 20.8

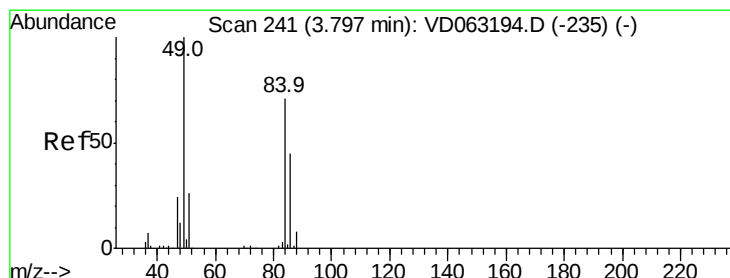
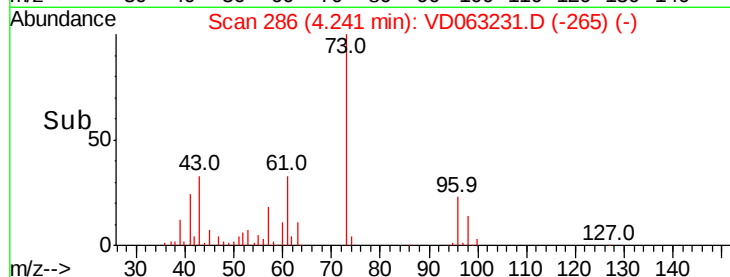
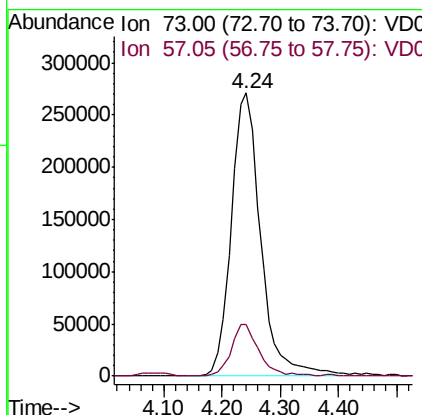
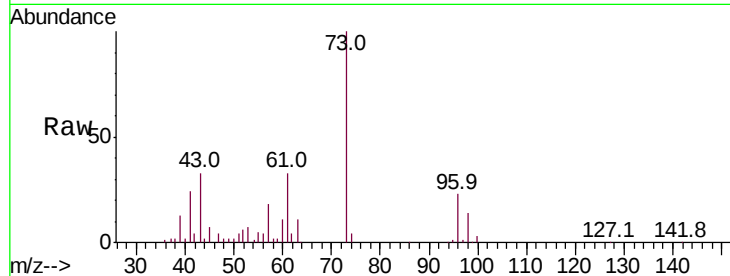




#19
Methyl tert-butyl Ether
Concen: 51.637 ug/l
RT: 4.24 min Scan# 286
Delta R.T. 0.01 min
Lab File: VD063231.D
Acq: 30 Jul 2019 10:09

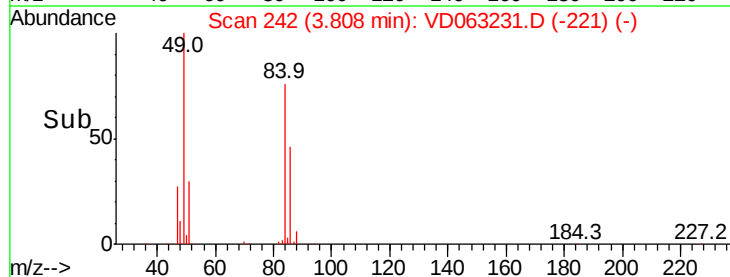
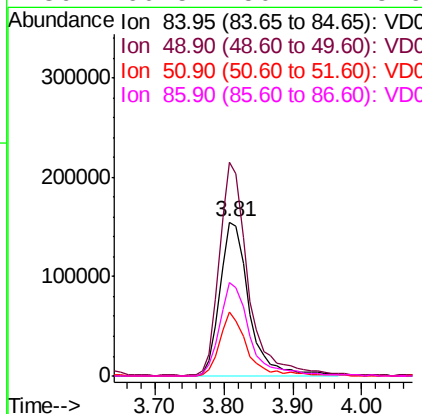
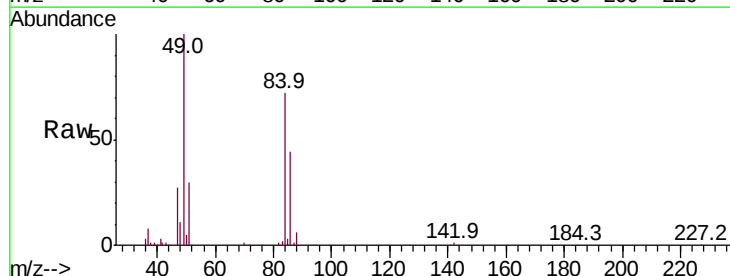
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

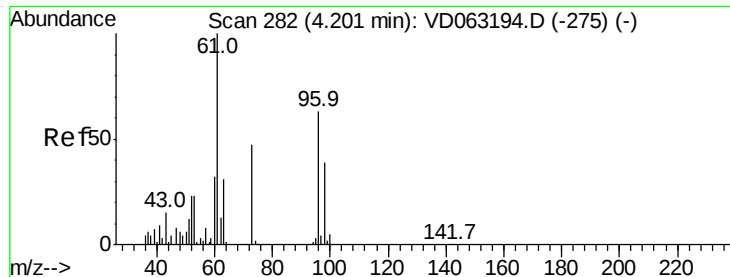
Tot Ion: 73 Resp: 950568
Ion Ratio Lower Upper
73 100
57 18.5 13.8 20.6



#20
Methylene Chloride
Concen: 49.739 ug/l
RT: 3.81 min Scan# 242
Delta R.T. 0.01 min
Lab File: VD063231.D
Acq: 30 Jul 2019 10:09

Tgt Ion: 84 Resp: 456693
Ion Ratio Lower Upper
84 100
49 138.9 112.5 168.7
51 41.4 29.6 44.4
86 60.5 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 52.679 ug/l

RT: 4.22 min Scan# 284

Delta R.T. 0.02 min

Lab File: VD063231.D

Acq: 30 Jul 2019 10:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

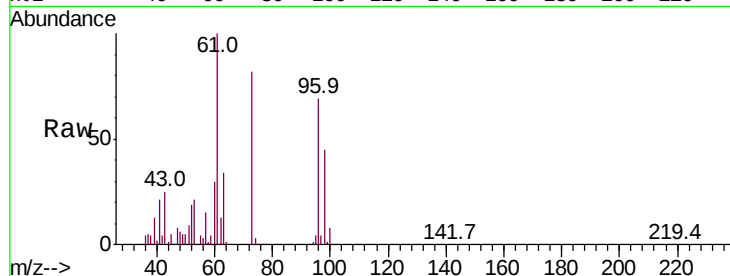
Tot Ion: 96 Resp: 481699

Ion Ratio Lower Upper

96 100

61 143.9 127.4 191.2

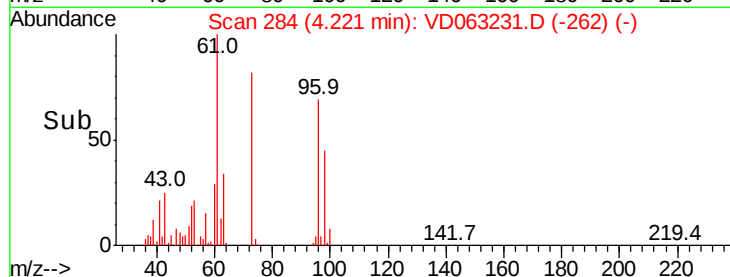
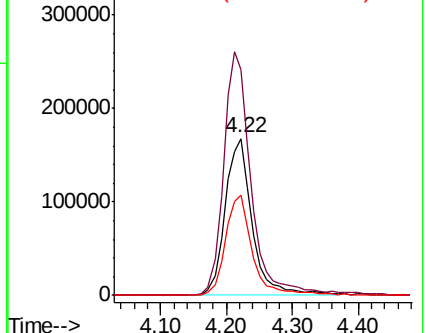
98 64.1 49.3 73.9



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: 52.077 ug/l

RT: 5.13 min Scan# 376

Delta R.T. 0.02 min

Lab File: VD063231.D

Acq: 30 Jul 2019 10:09

Tgt Ion: 45 Resp: 1350761

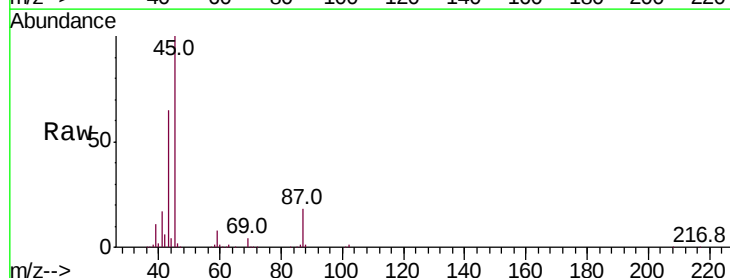
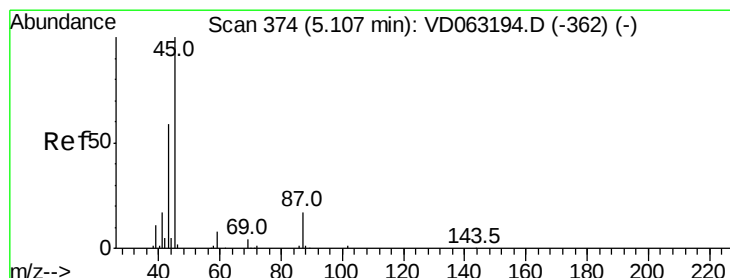
Ion Ratio Lower Upper

45 100

43 64.6 51.7 77.5

87 17.6 14.6 21.8

59 8.5 6.6 10.0

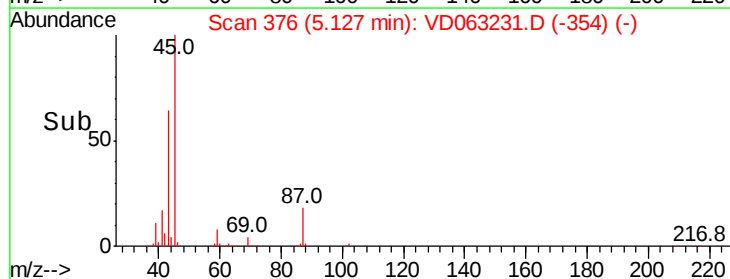
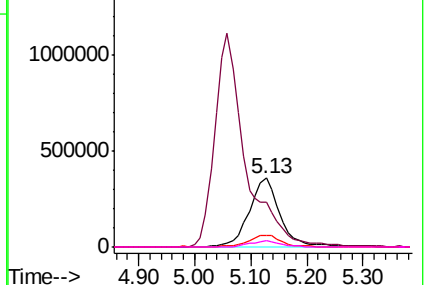


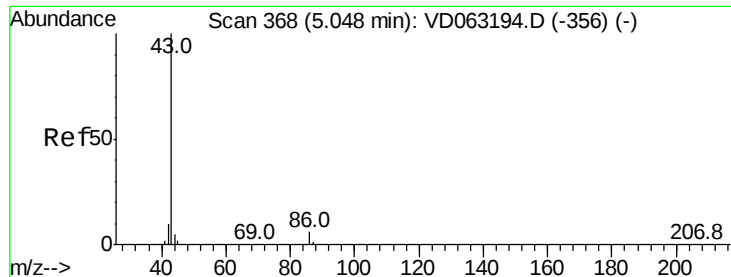
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 264.969 ug/l

RT: 5.06 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD063231.D

Acq: 30 Jul 2019 10:09

Instrument :

MSVOA_D

ClientSampleId :

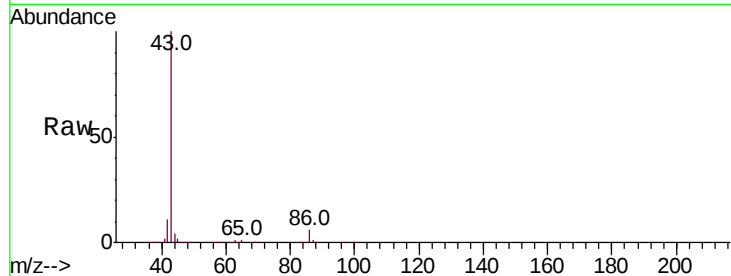
VSTDCCC050

Tot Ion: 43 Resp: 4224636

Ion Ratio Lower Upper

43 100

86 6.0 4.9 7.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

1200000

1000000

800000

600000

400000

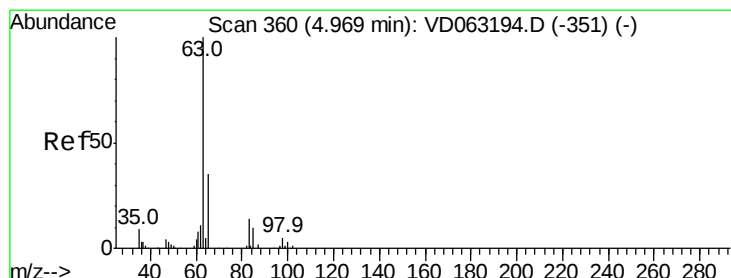
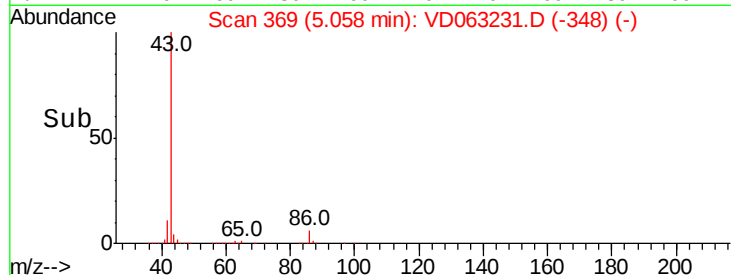
200000

0

5.06

4.90 5.00 5.10 5.20 5.30

Time-->



#24

1,1-Dichloroethane

Concen: 50.375 ug/l

RT: 4.98 min Scan# 361

Delta R.T. 0.01 min

Lab File: VD063231.D

Acq: 30 Jul 2019 10:09

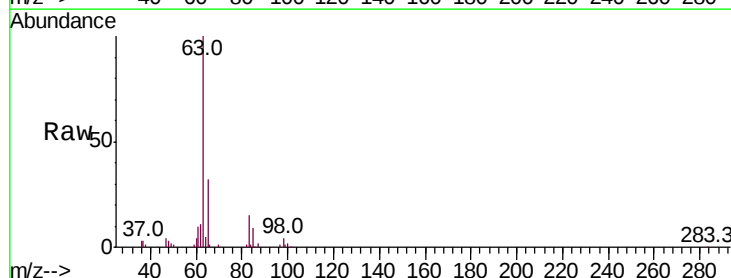
Tgt Ion: 63 Resp: 834600

Ion Ratio Lower Upper

63 100

98 4.1 2.8 8.4

100 2.0 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

300000

250000

200000

150000

100000

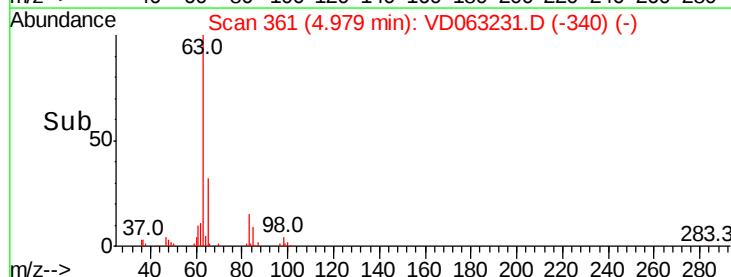
50000

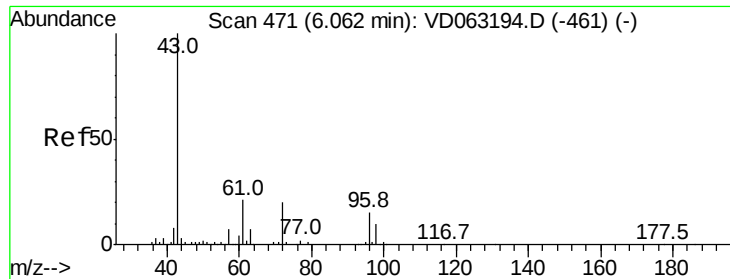
0

4.98

4.80 4.90 5.00 5.10 5.20

Time-->





#25

2-Butanone

Concen: 272.114 ug/l

RT: 6.07 min Scan# 472

Delta R.T. 0.01 min

Lab File: VD063231.D

Acq: 30 Jul 2019 10:09

Instrument :

MSVOA_D

ClientSampleId :

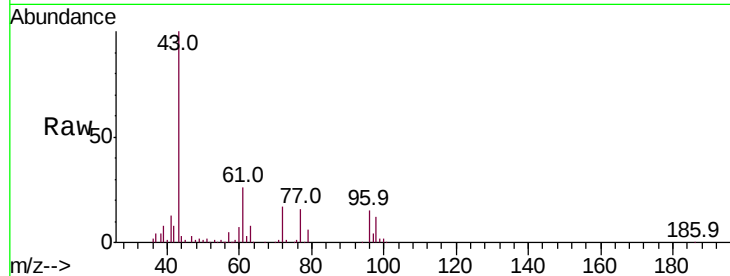
VSTDCCC050

Tot Ion: 43 Resp: 620325

Ion Ratio Lower Upper

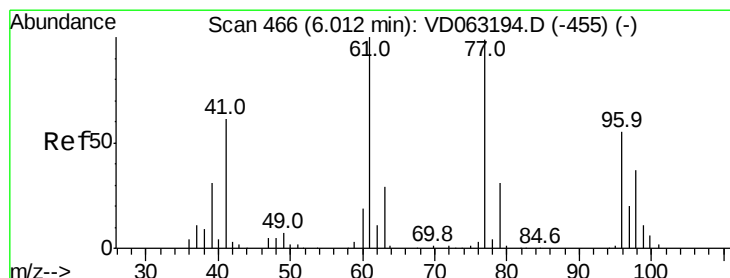
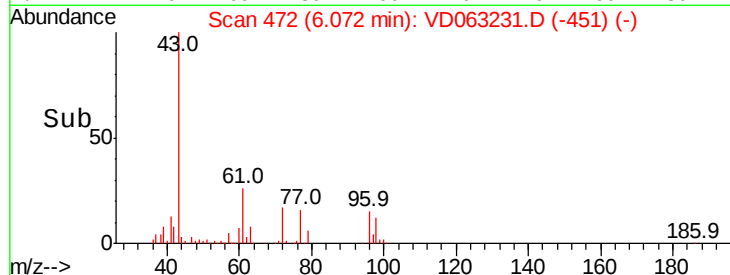
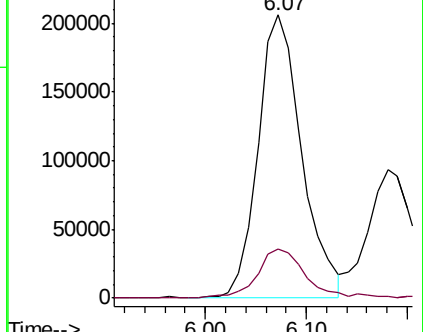
43 100

72 17.4 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: 54.827 ug/l

RT: 6.02 min Scan# 467

Delta R.T. 0.01 min

Lab File: VD063231.D

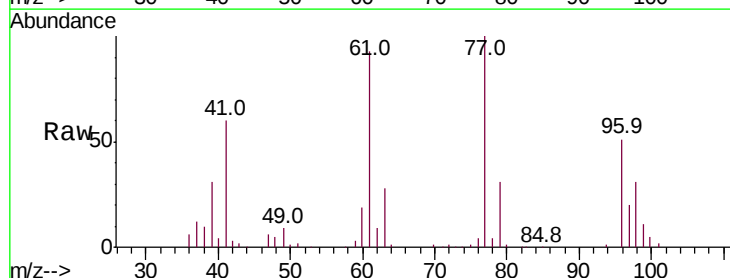
Acq: 30 Jul 2019 10:09

Tgt Ion: 77 Resp: 936104

Ion Ratio Lower Upper

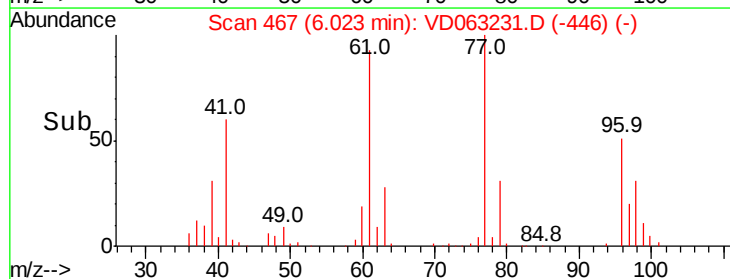
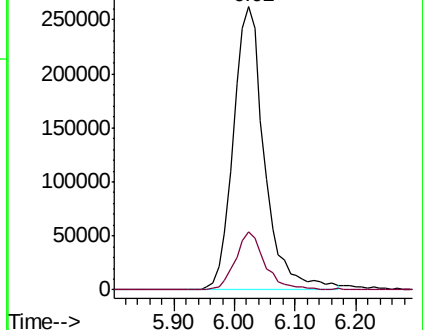
77 100

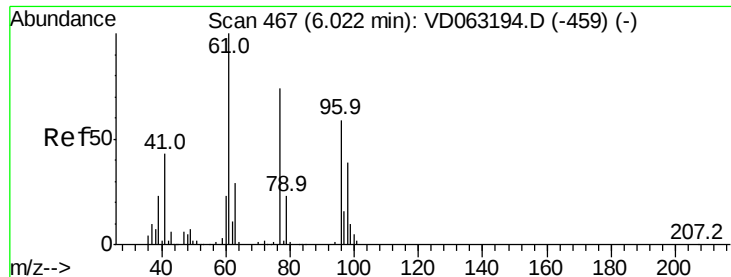
97 20.4 10.2 30.6



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: 51.428 ug/l

RT: 6.03 min Scan# 468

Delta R.T. 0.01 min

Lab File: VD063231.D

Acq: 30 Jul 2019 10:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

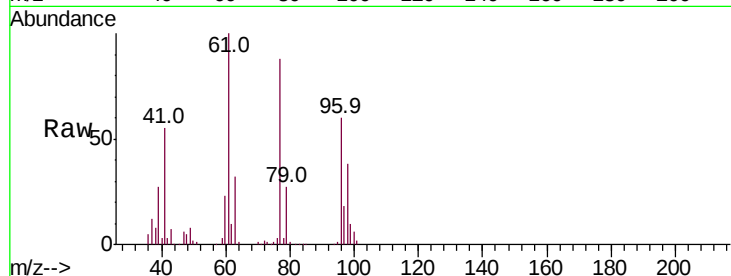
Tot Ion: 96 Resp: 504184

Ion Ratio Lower Upper

96 100

61 165.4 0.0 337.2

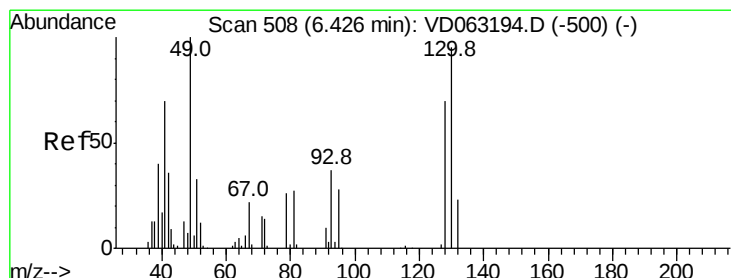
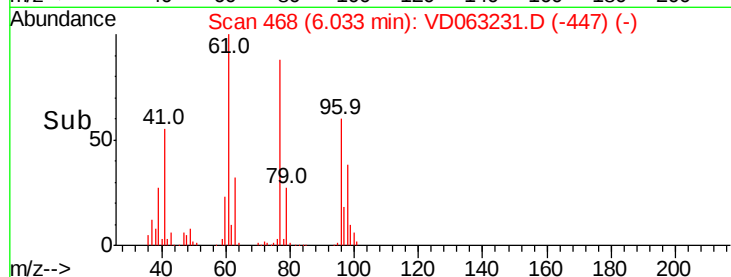
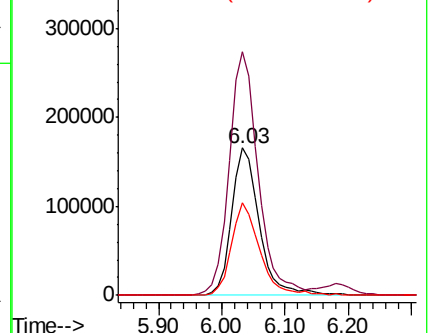
98 63.0 0.0 130.6



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: 47.856 ug/l

RT: 6.44 min Scan# 509

Delta R.T. 0.01 min

Lab File: VD063231.D

Acq: 30 Jul 2019 10:09

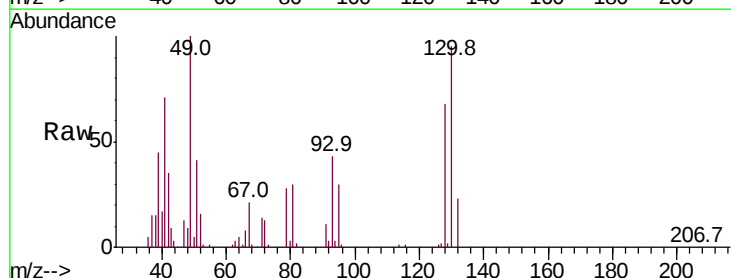
Tgt Ion: 49 Resp: 315898

Ion Ratio Lower Upper

49 100

129 2.0 0.0 0.0#

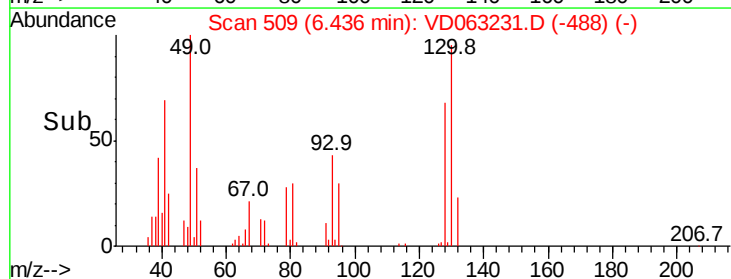
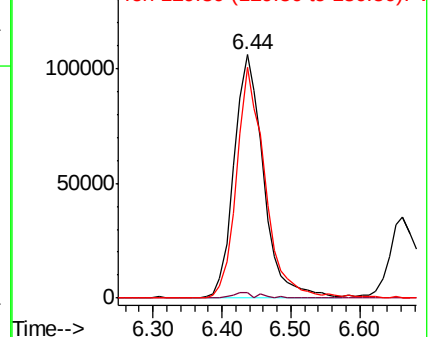
130 94.8 75.7 113.5

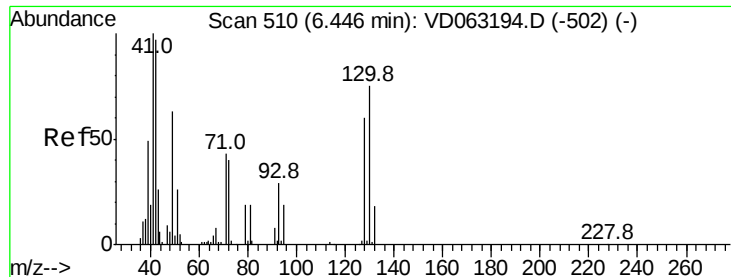


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 235.421 ug/l

RT: 6.46 min Scan# 511

Delta R.T. 0.01 min

Lab File: VD063231.D

Acq: 30 Jul 2019 10:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

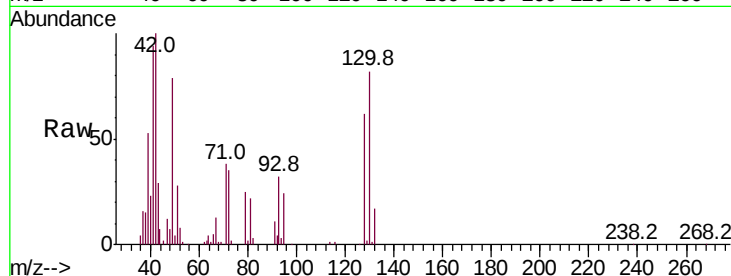
Tot Ion: 42 Resp: 254089

Ion Ratio Lower Upper

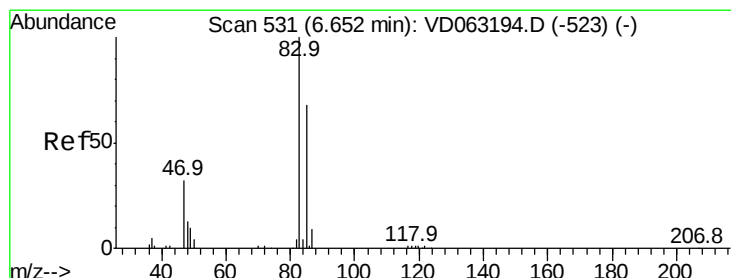
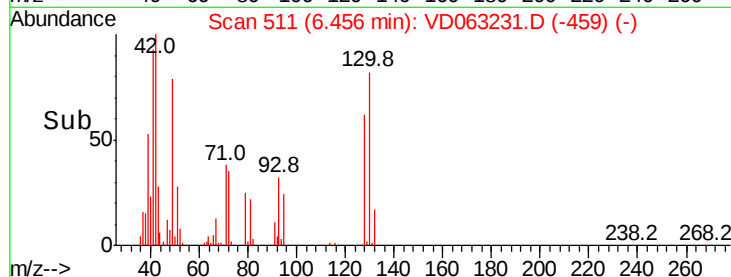
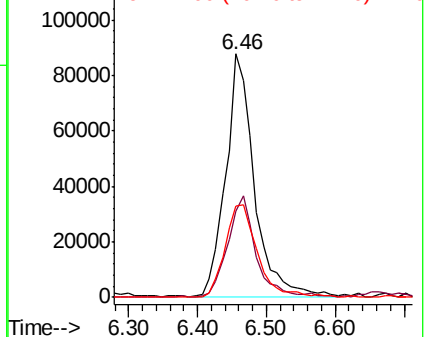
42 100

72 40.9 33.4 50.2

71 42.9 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: 50.329 ug/l

RT: 6.66 min Scan# 532

Delta R.T. 0.01 min

Lab File: VD063231.D

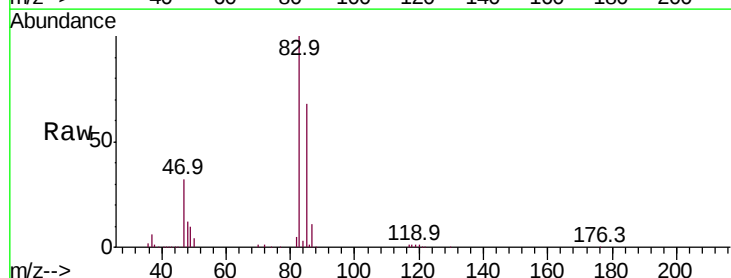
Acq: 30 Jul 2019 10:09

Tgt Ion: 83 Resp: 1034793

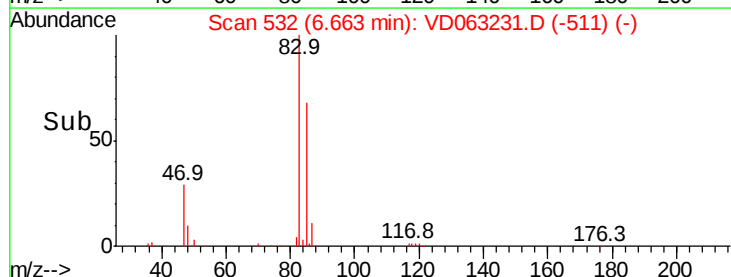
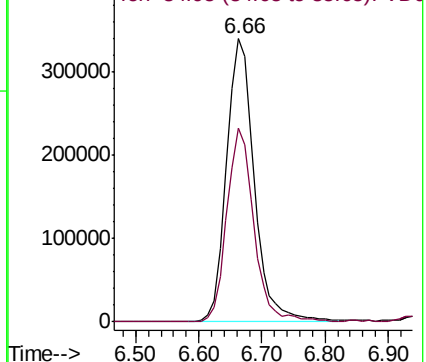
Ion Ratio Lower Upper

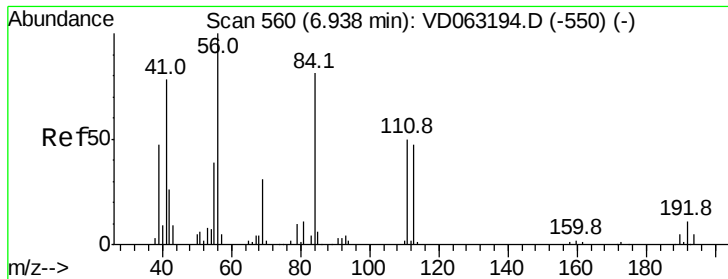
83 100

85 68.5 54.2 81.4



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

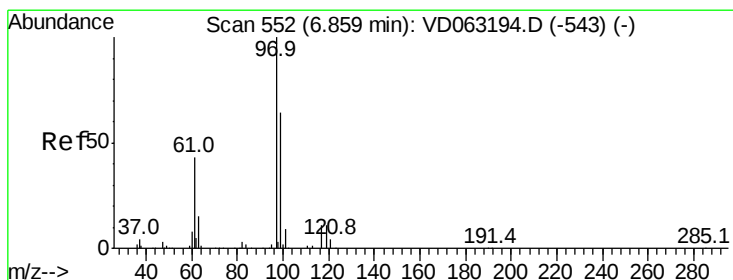
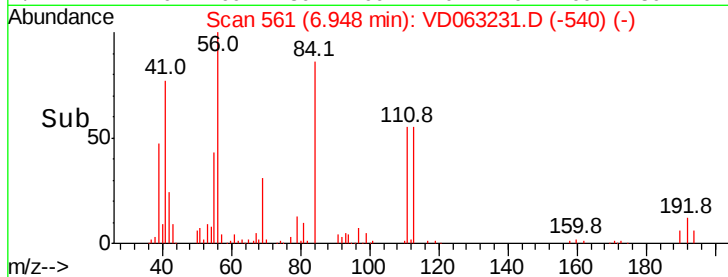
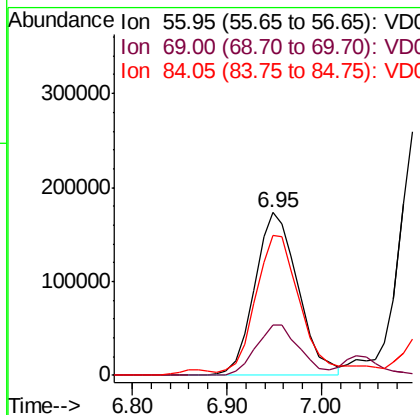
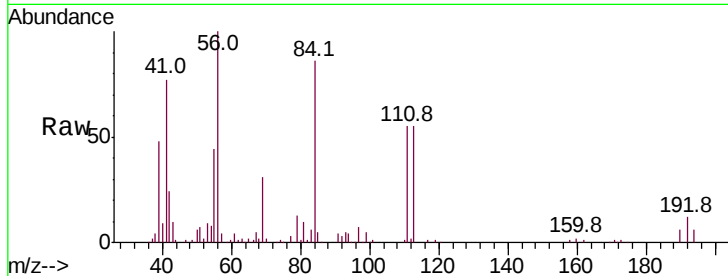




#31
Cvclohexane
Concen: 53.132 ug/l
RT: 6.95 min Scan# 561
Delta R.T. 0.01 min
Lab File: VD063231.D
Acq: 30 Jul 2019 10:09

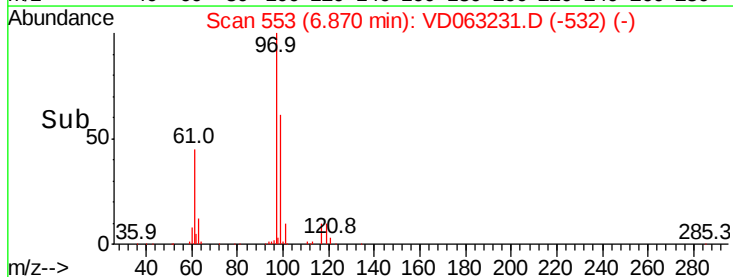
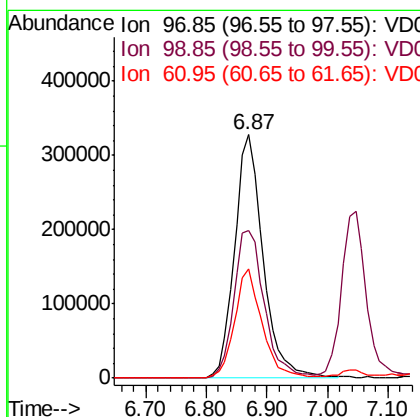
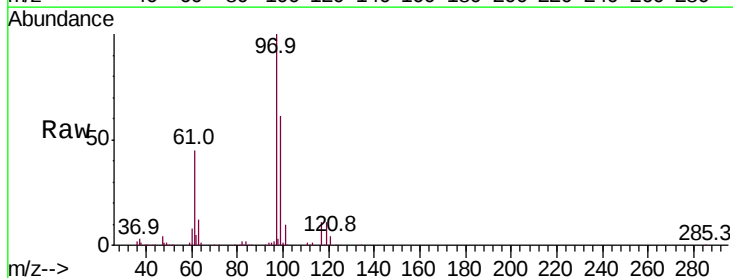
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

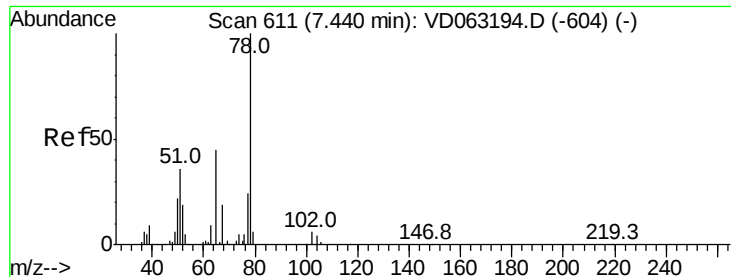
Tot Ion: 56 Resp: 551763
Ion Ratio Lower Upper
56 100
69 30.8 24.5 36.7
84 86.1 64.9 97.3



#32
1,1,1-Trichloroethane
Concen: 53.889 ug/l
RT: 6.87 min Scan# 553
Delta R.T. 0.01 min
Lab File: VD063231.D
Acq: 30 Jul 2019 10:09

Tgt Ion: 97 Resp: 1071733
Ion Ratio Lower Upper
97 100
99 60.5 51.2 76.8
61 44.9 34.2 51.2





#33

1,2-Dichloroethane-d4

Concen: 53.739 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.01 min

Lab File: VD063231.D

Acq: 30 Jul 2019 10:09

Instrument :

MSVOA_D

ClientSampleId :

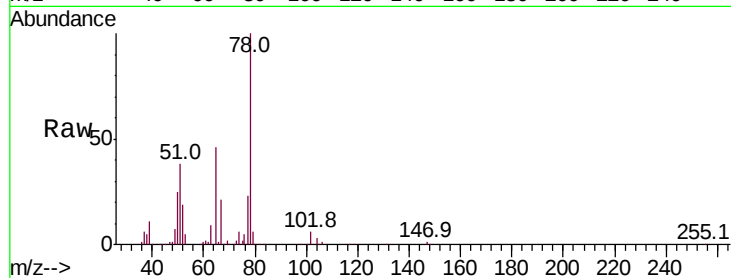
VSTDCCC050

Tot Ion: 65 Resp: 626506

Ion Ratio Lower Upper

65 100

67 44.3 0.0 85.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.45

250000

200000

150000

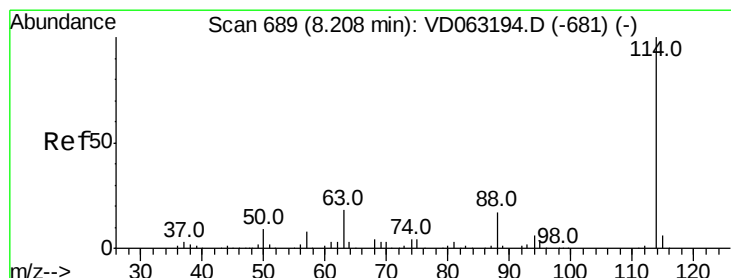
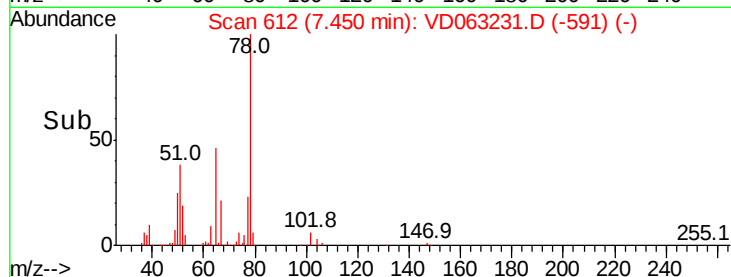
100000

50000

0

Time-->

7.40 7.50



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. 0.01 min

Lab File: VD063231.D

Acq: 30 Jul 2019 10:09

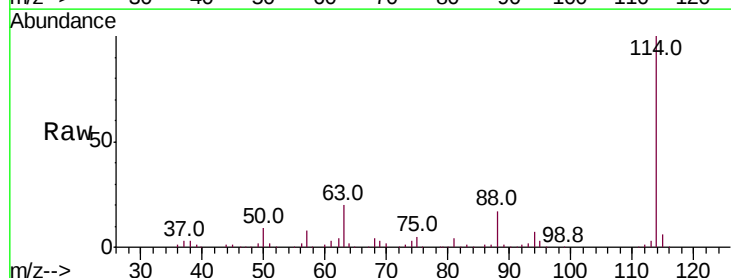
Tgt Ion: 114 Resp: 1430464

Ion Ratio Lower Upper

114 100

63 19.7 0.0 35.2

88 16.5 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

800000

600000

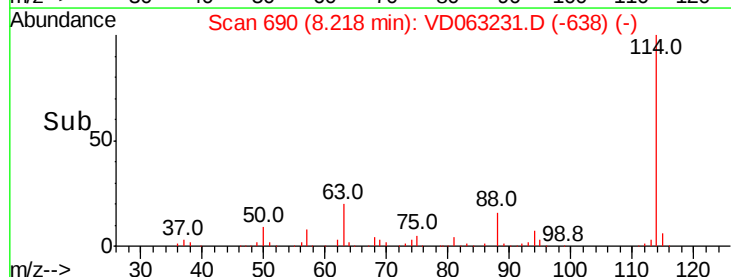
400000

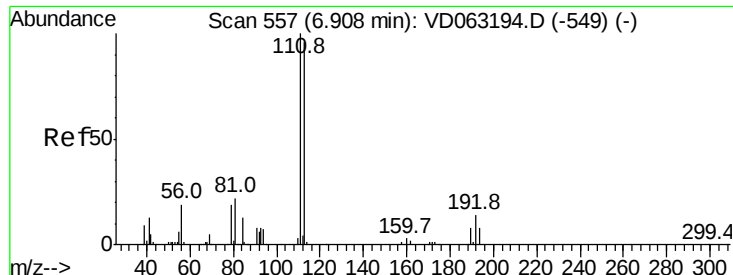
200000

0

Time-->

8.10 8.20 8.30 8.40

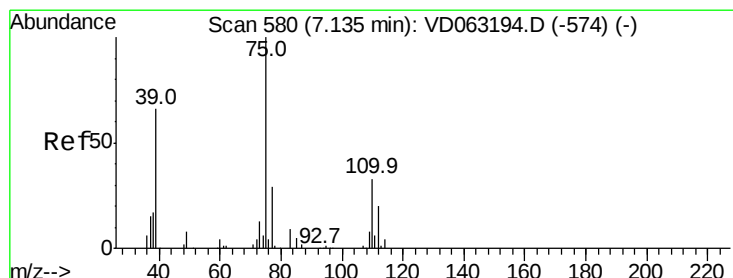
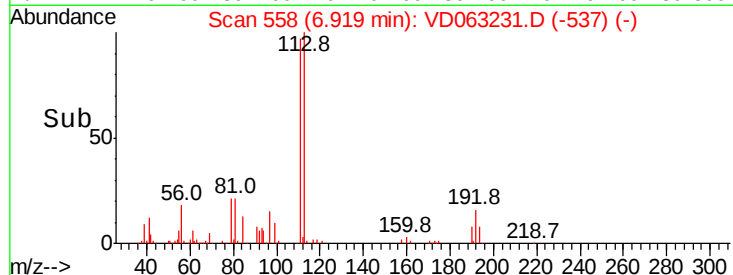
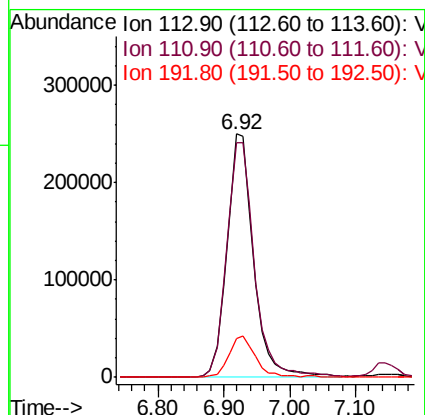
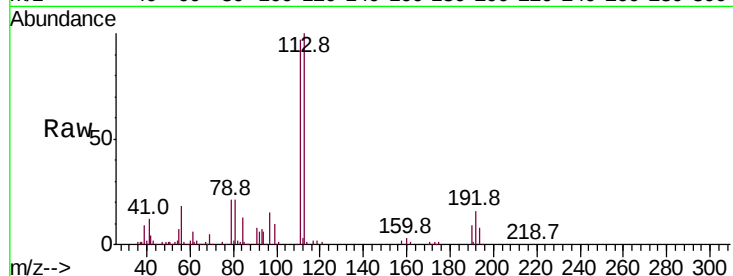




#35
 Dibromofluoromethane
 Concen: 57.818 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. 0.01 min
 Lab File: VD063231.D
 Acq: 30 Jul 2019 10:09

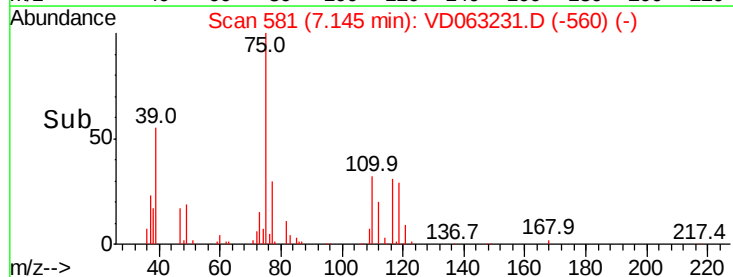
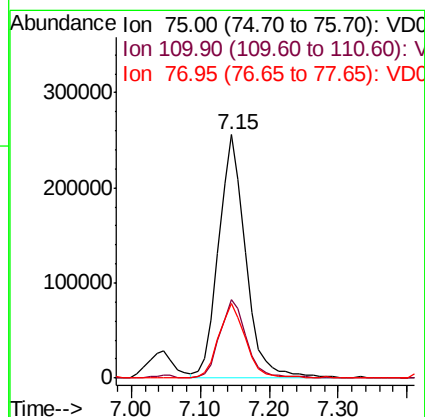
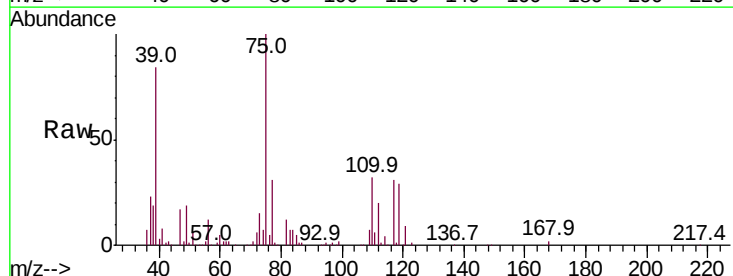
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

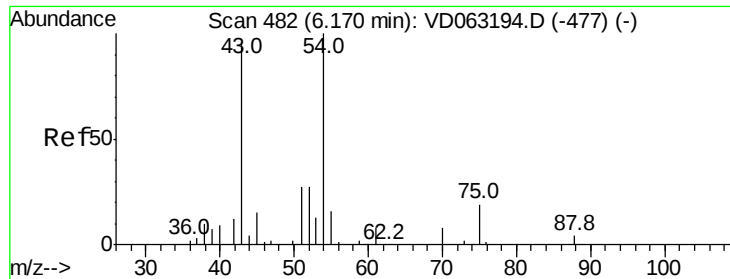
Tot Ion	Ratio	Lower	Upper
113	100		
111	96.6	83.2	124.8
192	15.8	11.8	17.8



#36
 1,1-Dichloropropene
 Concen: 53.362 ug/l
 RT: 7.15 min Scan# 581
 Delta R.T. 0.01 min
 Lab File: VD063231.D
 Acq: 30 Jul 2019 10:09

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.2	16.1	48.2
77	30.8	22.7	34.1

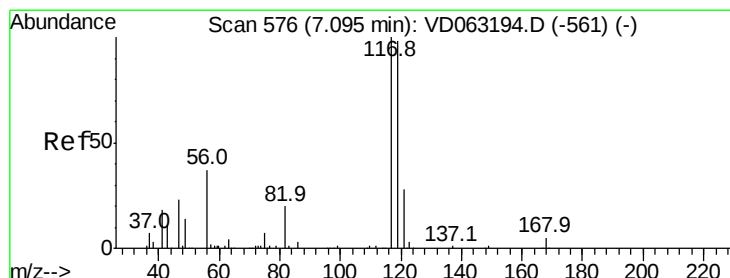
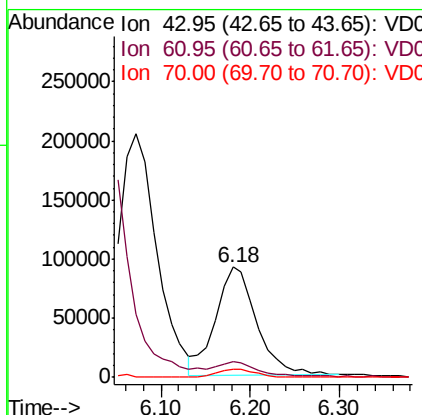
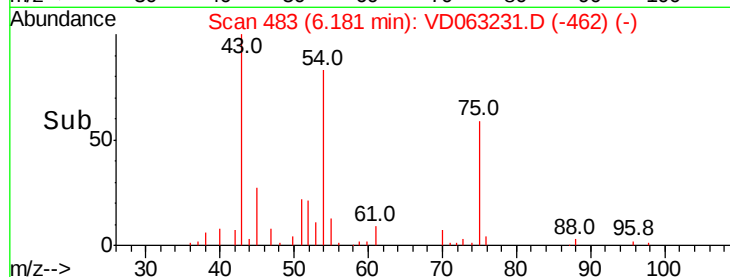
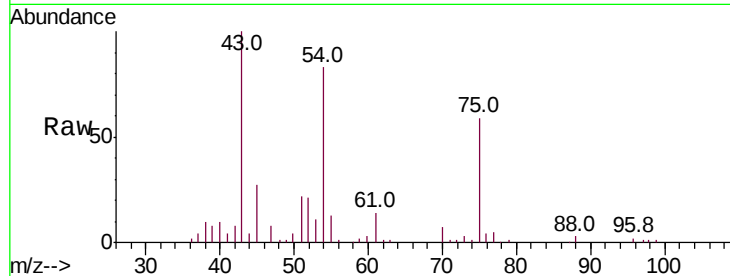




#37
Ethyl Acetate
Concen: 50.556 ug/l
RT: 6.18 min Scan# 483
Delta R.T. 0.01 min
Lab File: VD063231.D
Acq: 30 Jul 2019 10:09

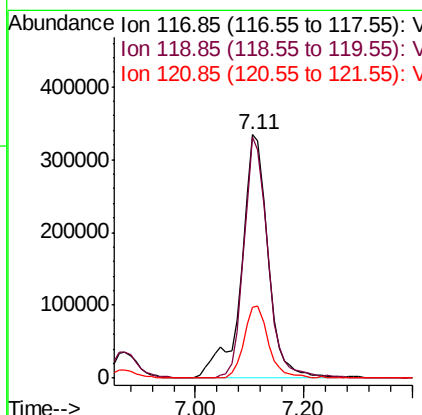
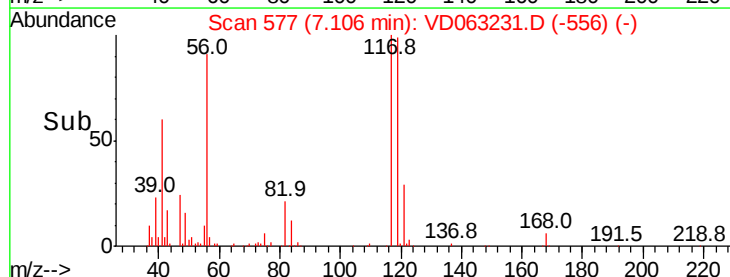
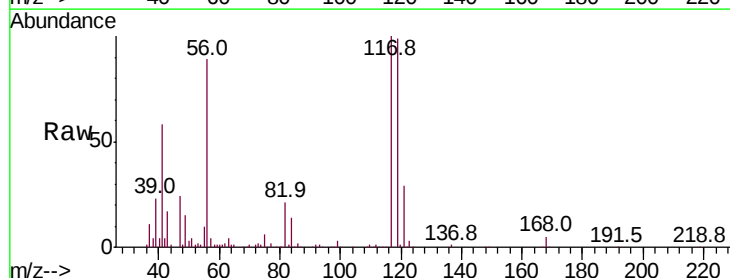
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

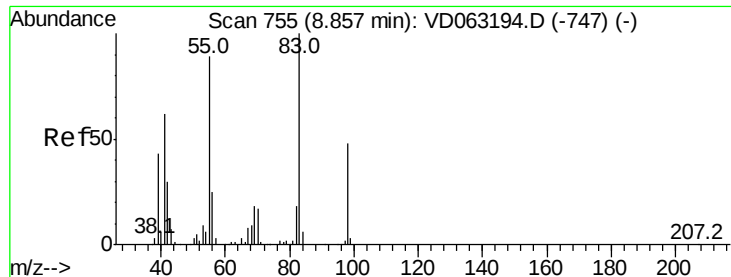
Tot Ion: 43 Resp: 296511
Ion Ratio Lower Upper
43 100
61 13.8 11.3 16.9
70 7.0 5.1 7.7



#38
Carbon Tetrachloride
Concen: 58.009 ug/l
RT: 7.11 min Scan# 577
Delta R.T. 0.01 min
Lab File: VD063231.D
Acq: 30 Jul 2019 10:09

Tgt Ion: 117 Resp: 1140086
Ion Ratio Lower Upper
117 100
119 99.0 78.2 117.2
121 29.1 22.1 33.1

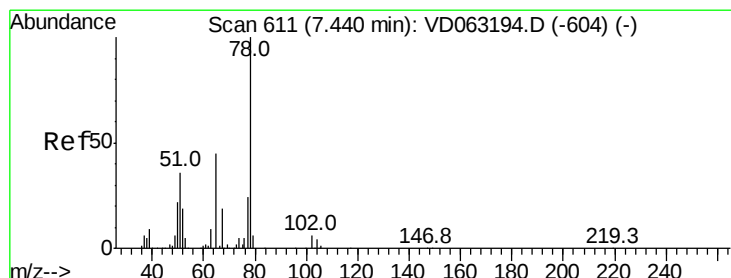
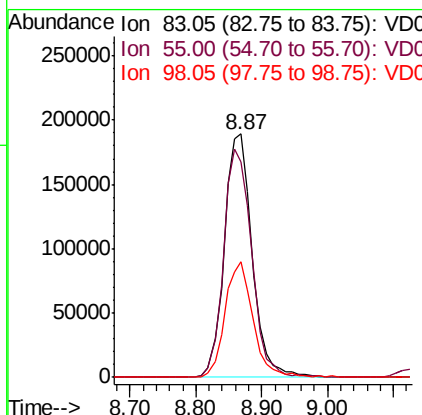
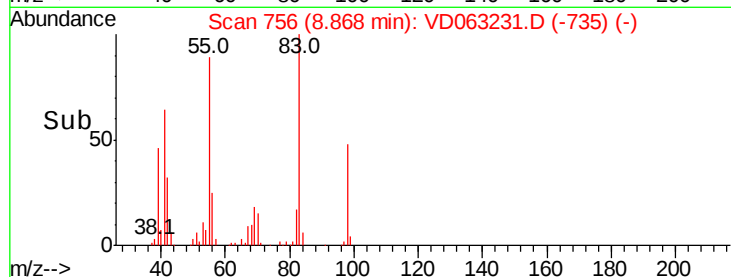
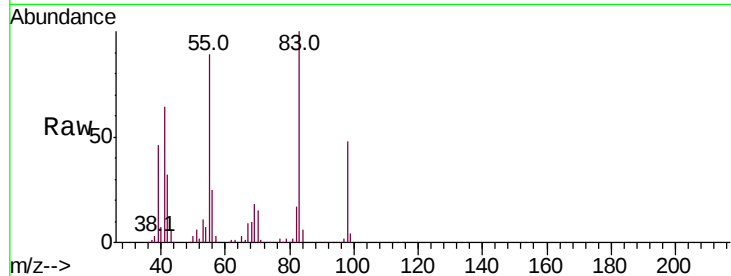




#39
Methvlcvclohexane
Concen: 51.488 ug/l
RT: 8.87 min Scan# 756
Delta R.T. 0.01 min
Lab File: VD063231.D
Acq: 30 Jul 2019 10:09

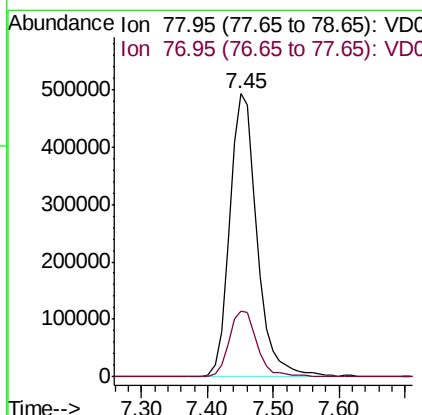
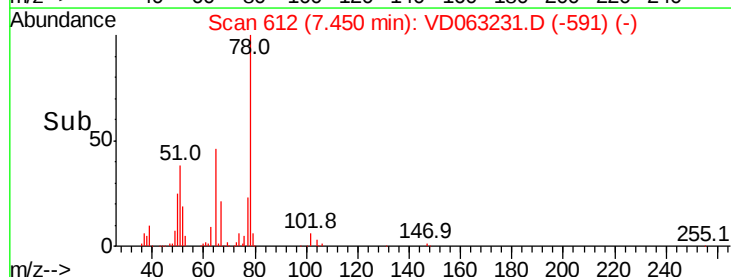
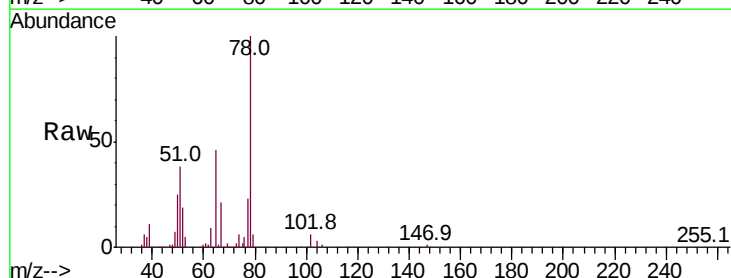
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

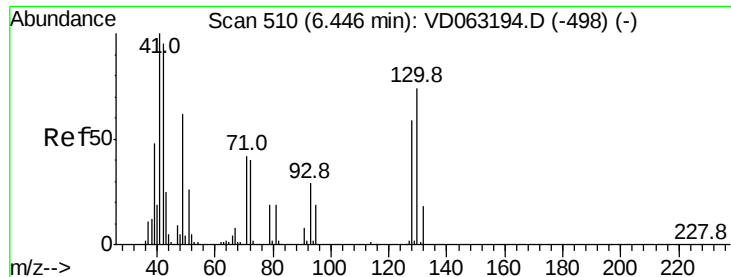
Tot Ion: 83 Resp: 560030
Ion Ratio Lower Upper
83 100
55 88.6 71.1 106.7
98 47.6 38.5 57.7



#40
Benzene
Concen: 52.387 ug/l
RT: 7.45 min Scan# 612
Delta R.T. 0.01 min
Lab File: VD063231.D
Acq: 30 Jul 2019 10:09

Tgt Ion: 78 Resp: 1433317
Ion Ratio Lower Upper
78 100
77 23.1 19.4 29.2

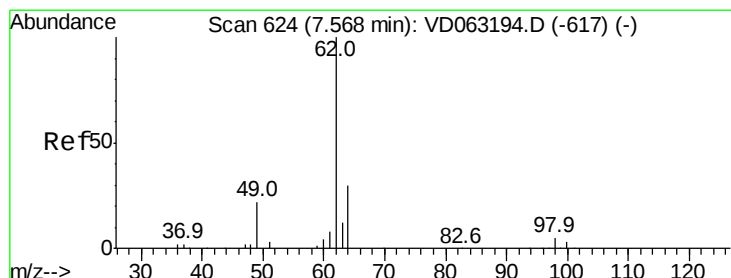
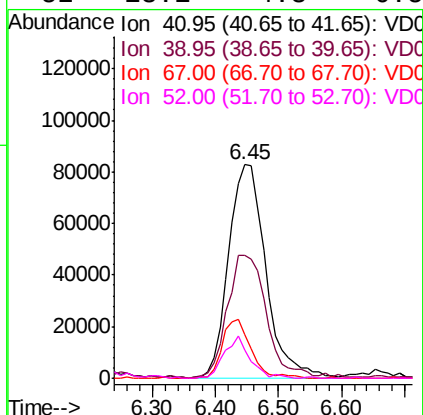
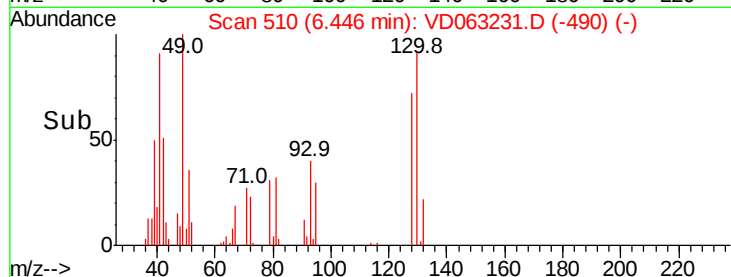
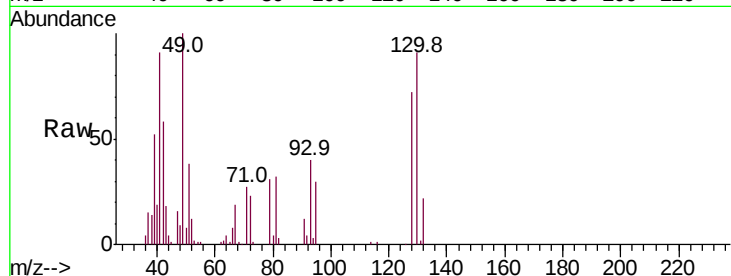




#41
Methacrylonitrile
Concen: 48.419 ug/l
RT: 6.45 min Scan# 510
Delta R.T. 0.00 min
Lab File: VD063231.D
Acq: 30 Jul 2019 10:09

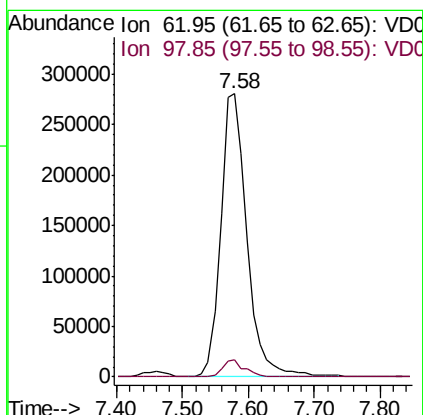
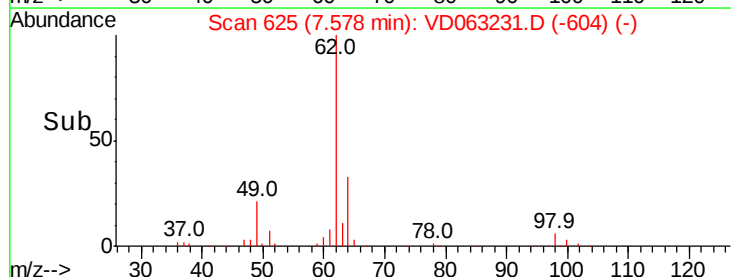
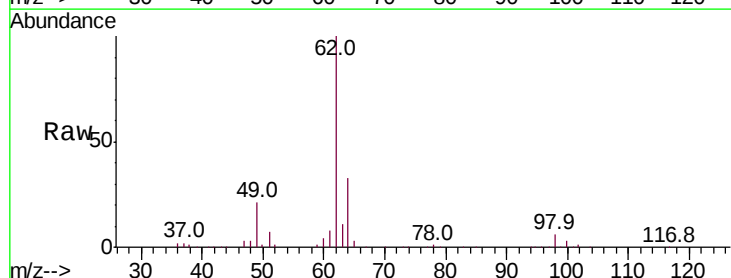
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

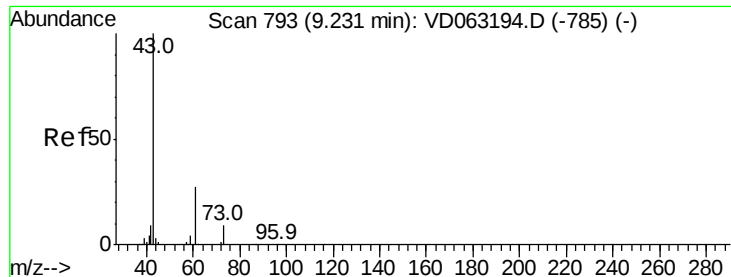
Tot Ion: 41 Resp: 339695
Ion Ratio Lower Upper
41 100
39 57.4 38.4 57.6
67 20.4 6.7 10.1#
52 13.1 4.3 6.5#



#42
1,2-Dichloroethane
Concen: 53.154 ug/l
RT: 7.58 min Scan# 625
Delta R.T. 0.01 min
Lab File: VD063231.D
Acq: 30 Jul 2019 10:09

Tgt Ion: 62 Resp: 770760
Ion Ratio Lower Upper
62 100
98 5.9 0.0 9.8



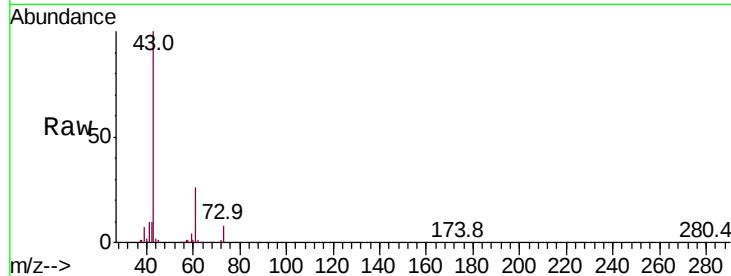


#43

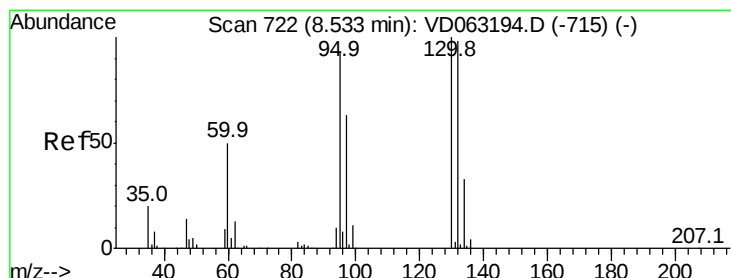
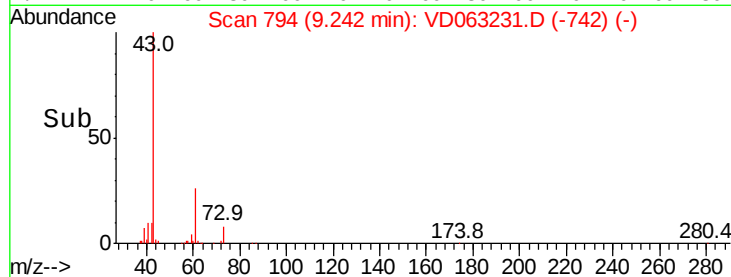
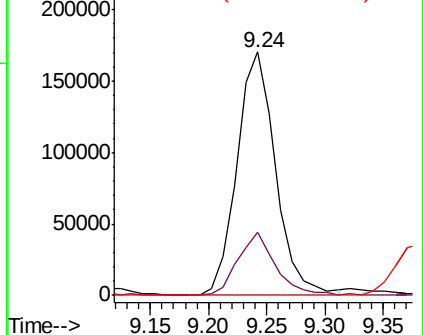
Isopropyl Acetate
 Concen: 52.334 ug/l
 RT: 9.24 min Scan# 794
 Delta R.T. 0.01 min
 Lab File: VD063231.D
 Acq: 30 Jul 2019 10:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 392084
 Ion Ratio Lower Upper
 43 100
 61 26.0 21.4 32.0
 87 0.3 0.2 0.4



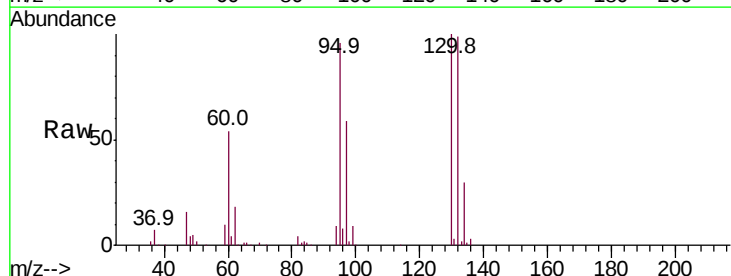
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



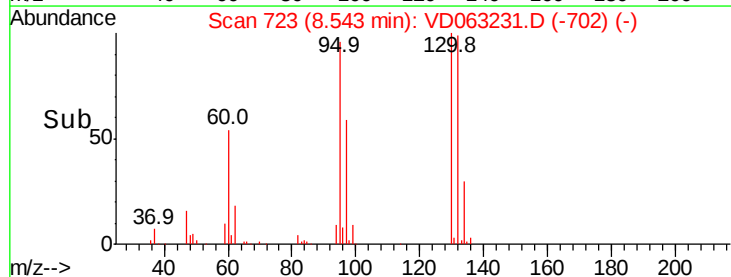
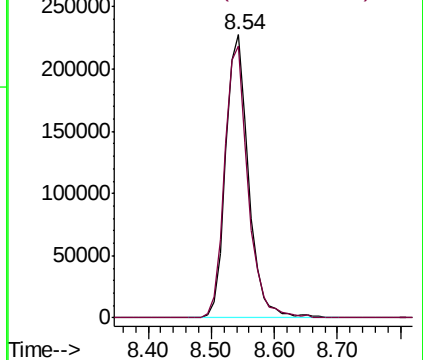
#44

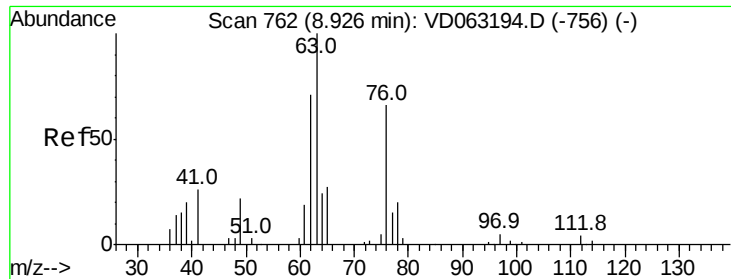
Trichloroethene
 Concen: 51.510 ug/l
 RT: 8.54 min Scan# 723
 Delta R.T. 0.01 min
 Lab File: VD063231.D
 Acq: 30 Jul 2019 10:09

Tgt Ion:130 Resp: 571074
 Ion Ratio Lower Upper
 130 100
 95 96.0 0.0 185.4



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





#45

1,2-Dichloropropane

Concen: 50.953 ug/l

RT: 8.94 min Scan# 763

Delta R.T. 0.01 min

Lab File: VD063231.D

Acq: 30 Jul 2019 10:09

Instrument :

MSVOA_D

ClientSampleId :

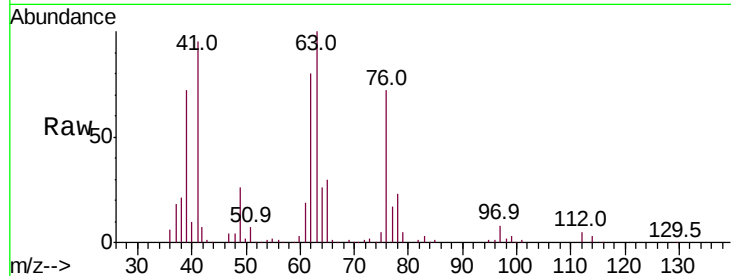
VSTDCCC050

Tot Ion: 63 Resp: 354345

Ion Ratio Lower Upper

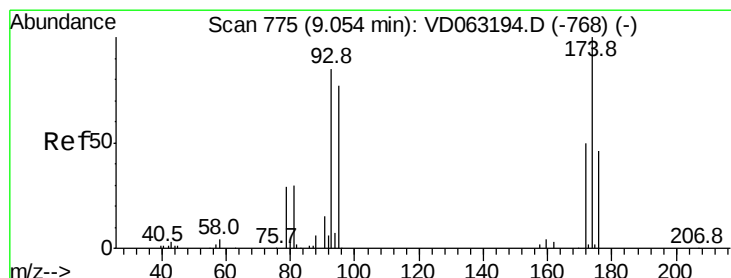
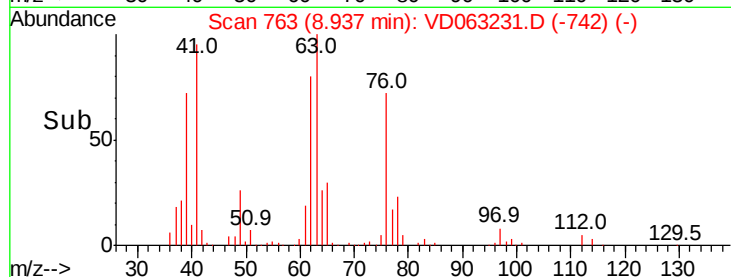
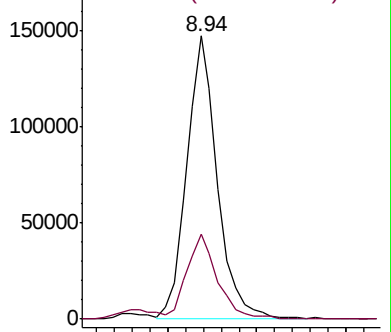
63 100

65 30.0 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: 53.750 ug/l

RT: 9.06 min Scan# 776

Delta R.T. 0.01 min

Lab File: VD063231.D

Acq: 30 Jul 2019 10:09

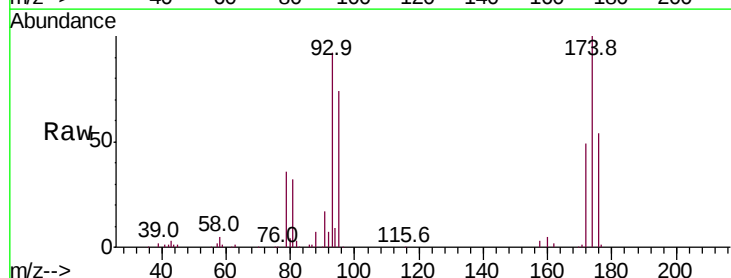
Tgt Ion: 93 Resp: 310804

Ion Ratio Lower Upper

93 100

95 80.7 72.8 109.2

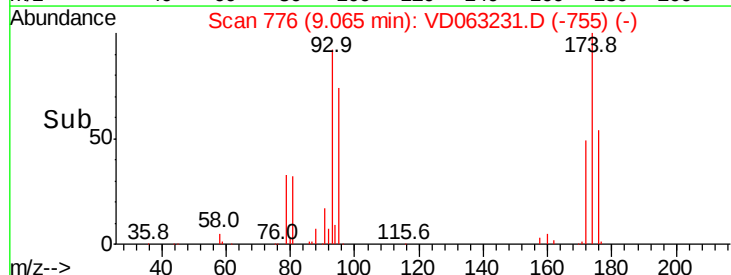
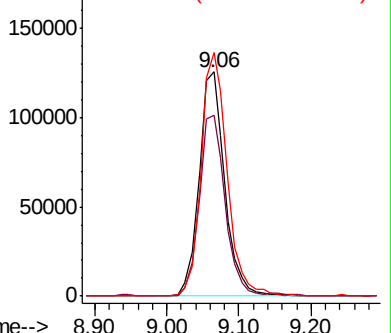
174 108.5 94.4 141.6

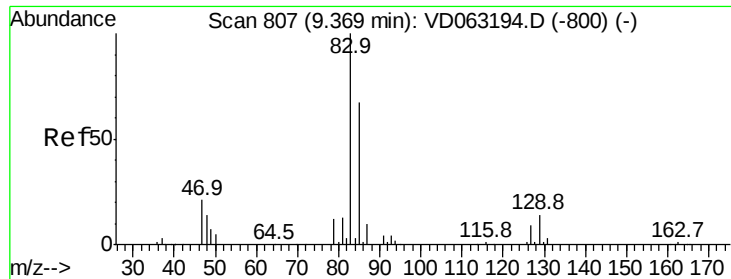


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 53.558 ug/l

RT: 9.37 min Scan# 807

Delta R.T. 0.00 min

Lab File: VD063231.D

Acq: 30 Jul 2019 10:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

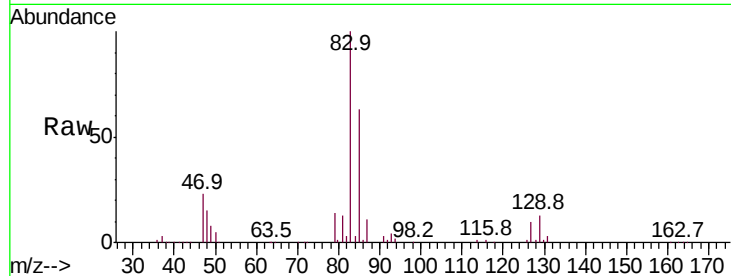
Tot Ion: 83 Resp: 789442

Ion Ratio Lower Upper

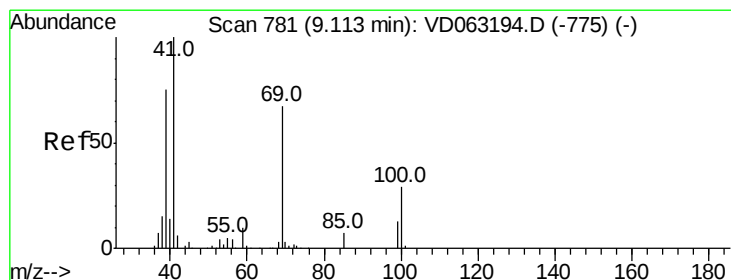
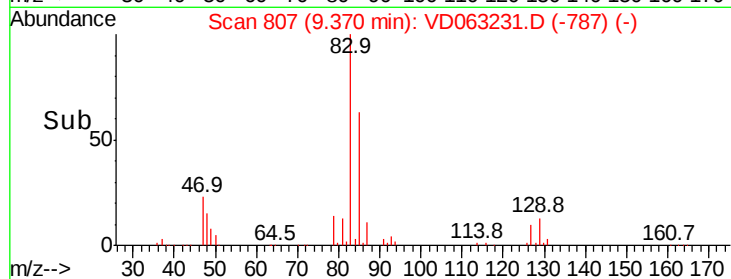
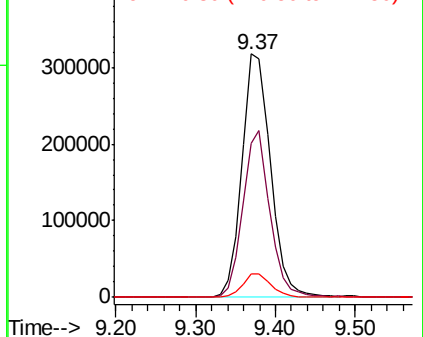
83 100

85 63.3 53.6 80.4

127 9.6 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: 54.360 ug/l

RT: 9.12 min Scan# 782

Delta R.T. 0.01 min

Lab File: VD063231.D

Acq: 30 Jul 2019 10:09

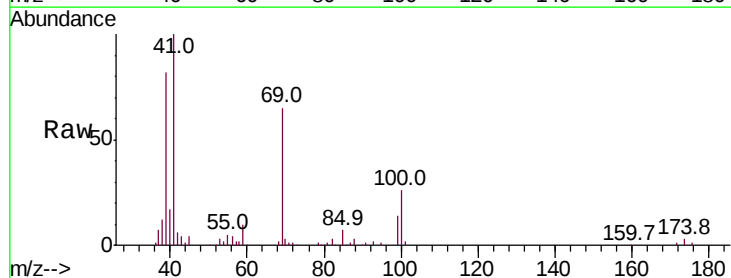
Tgt Ion: 41 Resp: 264131

Ion Ratio Lower Upper

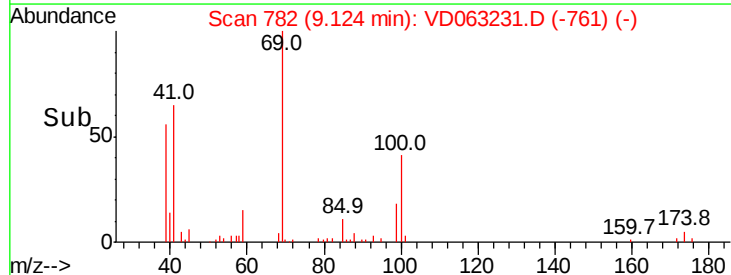
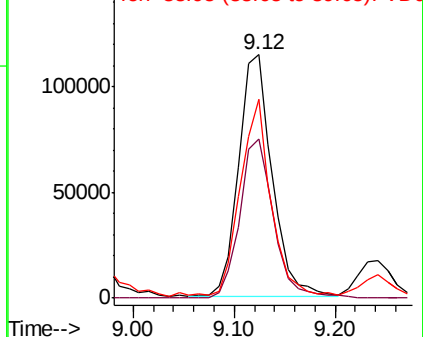
41 100

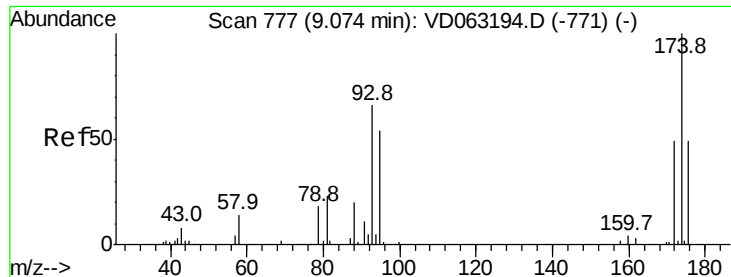
69 65.5 53.4 80.0

39 81.5 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

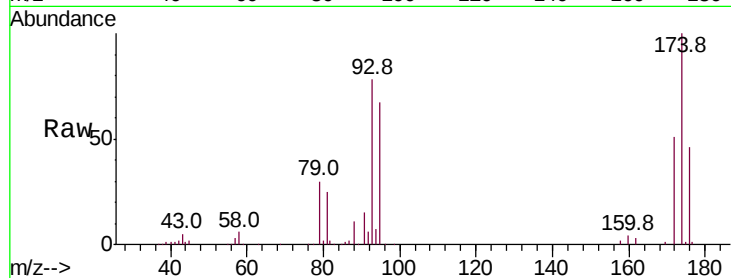




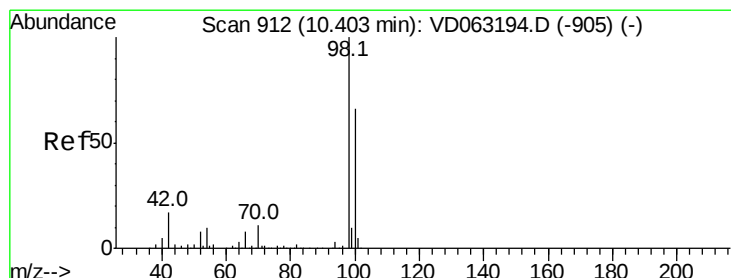
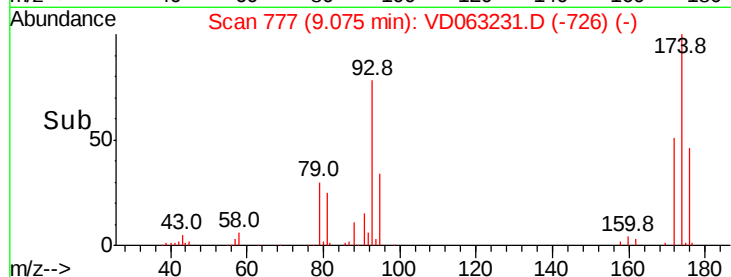
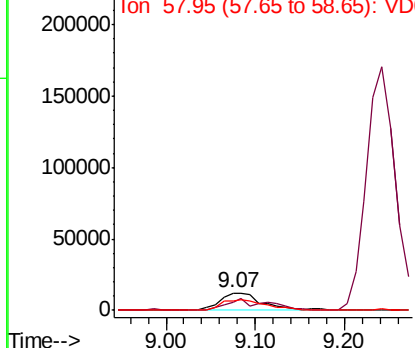
#49
1,4-Dioxane
Concen: 990.586 ug/l
RT: 9.07 min Scan# 777
Delta R.T. 0.00 min
Lab File: VD063231.D
Acq: 30 Jul 2019 10:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 40775
Ion Ratio Lower Upper
88 100
43 48.9 30.7 46.1#
58 55.1 56.5 84.7#

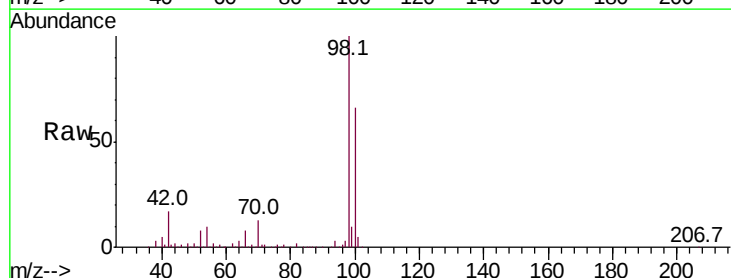


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

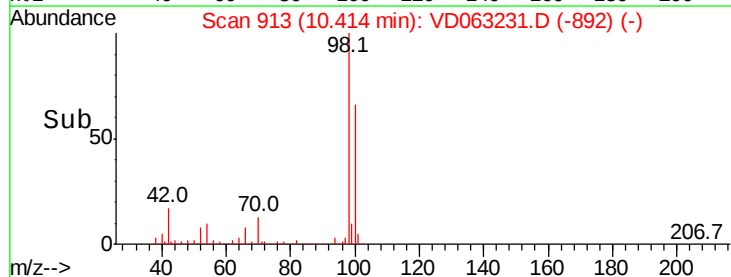
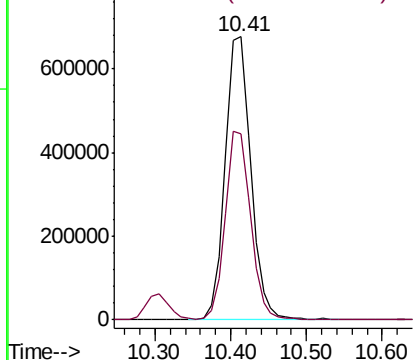


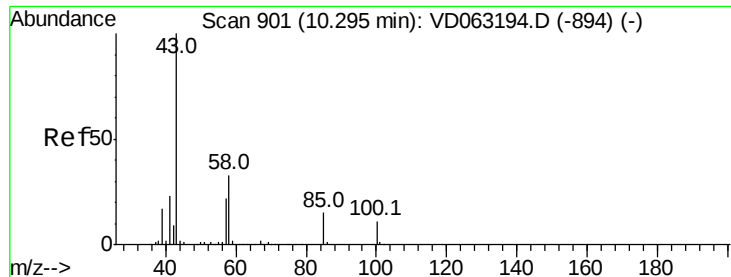
#50
Toluene-d8
Concen: 58.217 ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.01 min
Lab File: VD063231.D
Acq: 30 Jul 2019 10:09

Tgt Ion: 98 Resp: 1591231
Ion Ratio Lower Upper
98 100
100 65.7 53.2 79.8



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

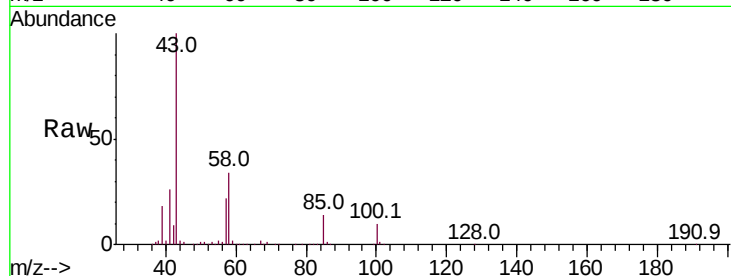




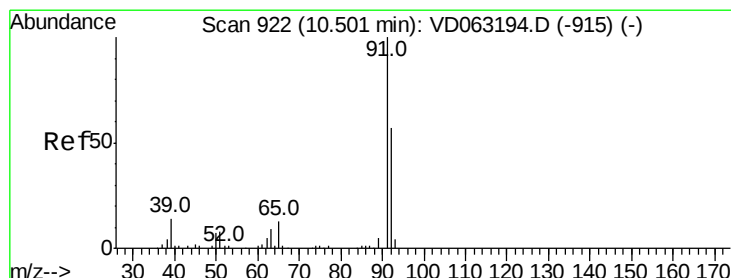
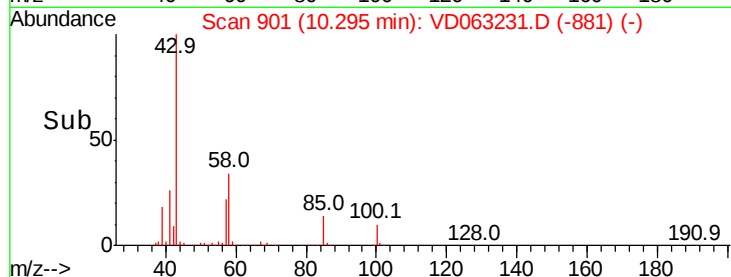
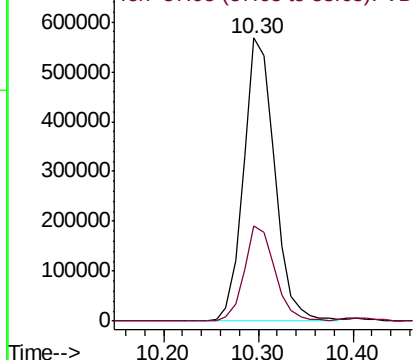
#51
4-Methyl-2-Pentanone
Concen: 252.791 ug/l
RT: 10.30 min Scan# 901
Delta R.T. 0.00 min
Lab File: VD063231.D
Acq: 30 Jul 2019 10:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1288003
Ion Ratio Lower Upper
43 100
58 33.7 26.2 39.2

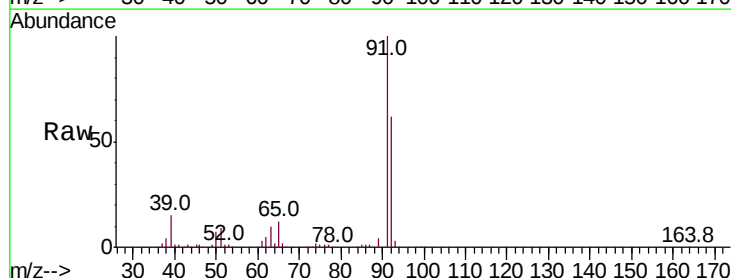


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

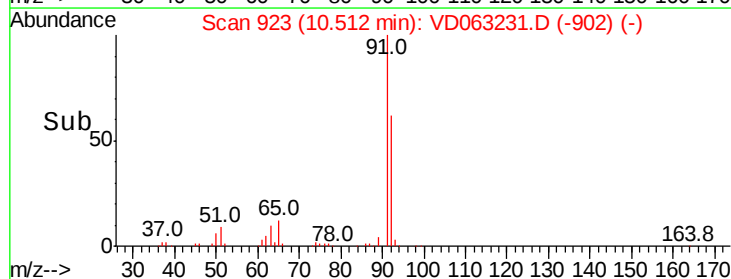
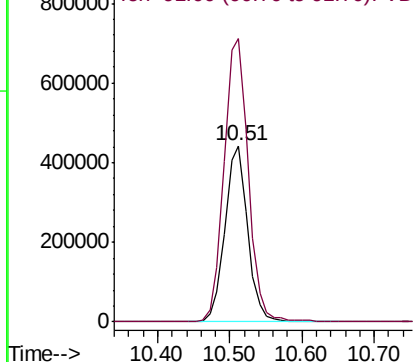


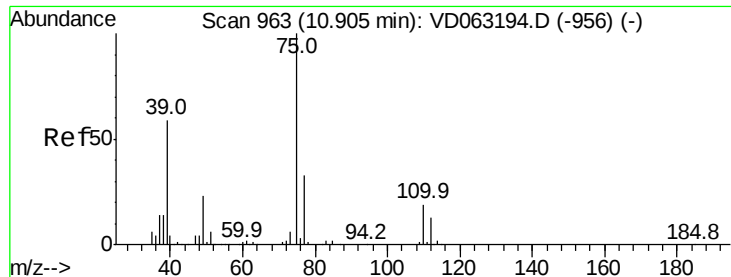
#52
Toluene
Concen: 53.198 ug/l
RT: 10.51 min Scan# 923
Delta R.T. 0.01 min
Lab File: VD063231.D
Acq: 30 Jul 2019 10:09

Tgt Ion: 92 Resp: 968068
Ion Ratio Lower Upper
92 100
91 160.6 140.8 211.2



Abundance Ion 92.00 (91.70 to 92.70): VDC
Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 54.396 ug/l

RT: 10.92 min Scan# 964

Delta R.T. 0.01 min

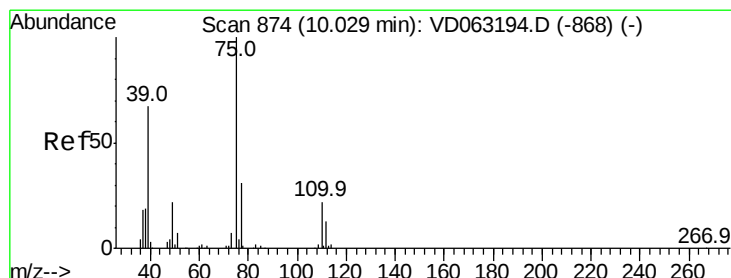
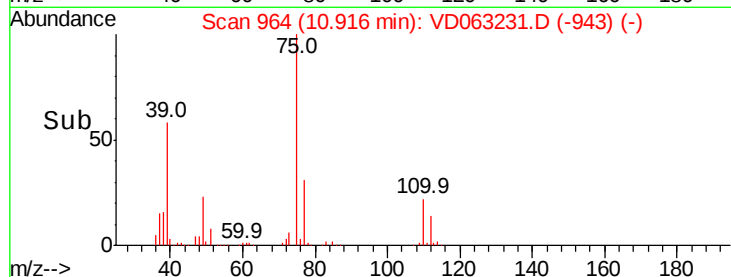
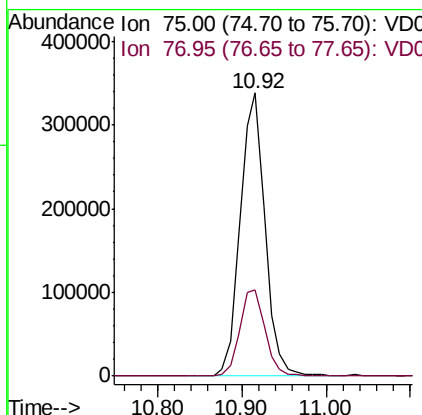
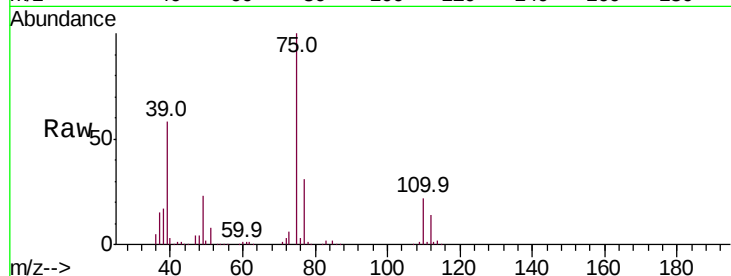
Lab File: VD063231.D

Acq: 30 Jul 2019 10:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 691253

Ion	Ratio	Lower	Upper
75	100		
77	30.6	26.6	40.0



#54

cis-1,3-Dichloropropene

Concen: 54.884 ug/l

RT: 10.04 min Scan# 875

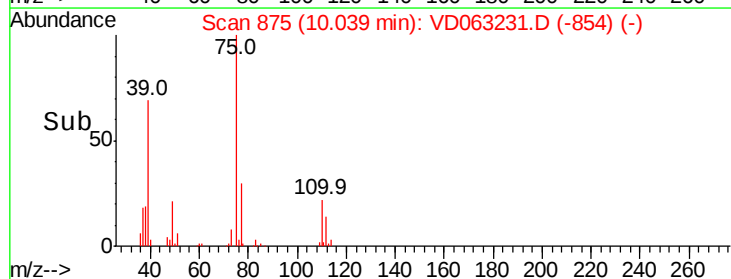
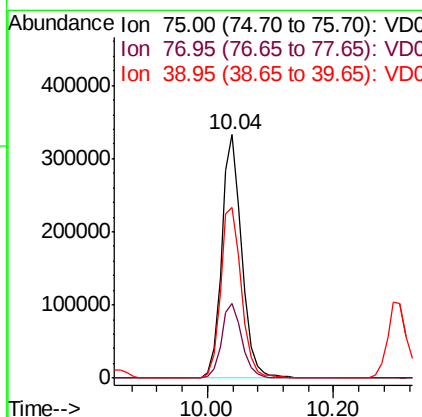
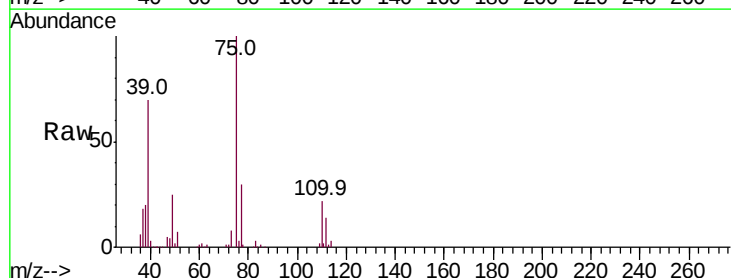
Delta R.T. 0.01 min

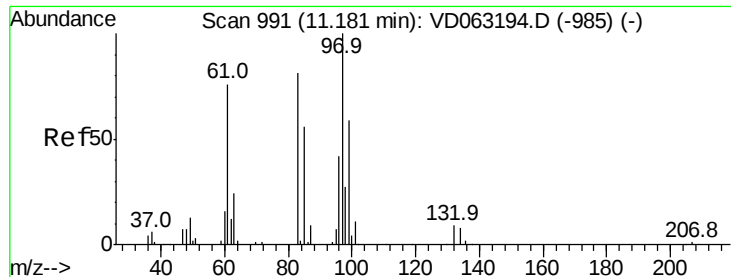
Lab File: VD063231.D

Acq: 30 Jul 2019 10:09

Tgt Ion: 75 Resp: 733011

Ion	Ratio	Lower	Upper
75	100		
77	30.5	24.9	37.3
39	70.3	53.9	80.9

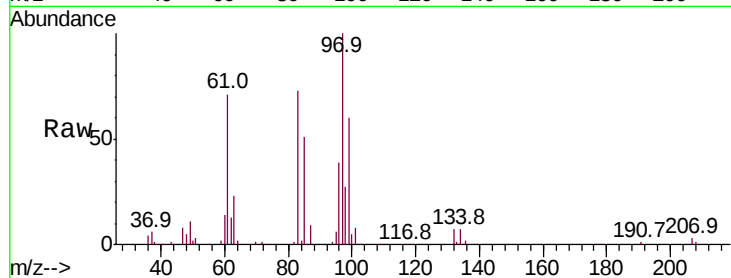




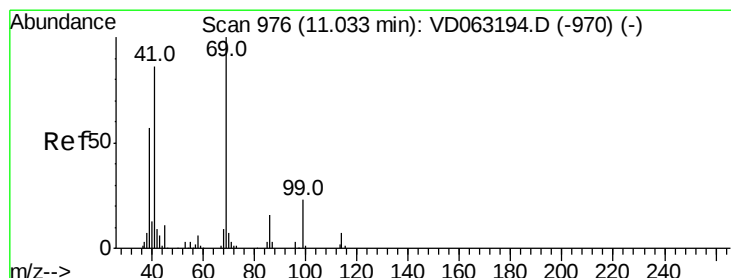
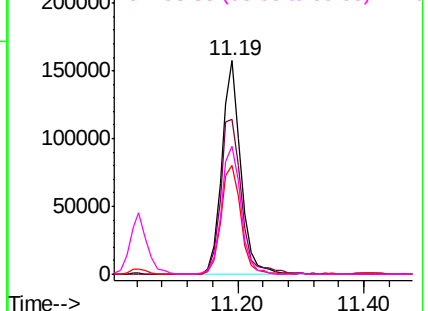
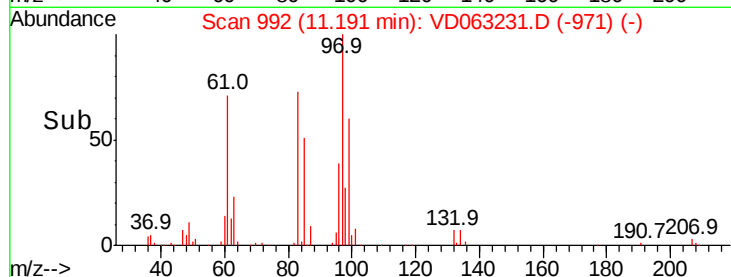
#55
1,1,2-Trichloroethane
Concen: 53.617 ug/l
RT: 11.19 min Scan# 992
Delta R.T. 0.01 min
Lab File: VD063231.D
Acq: 30 Jul 2019 10:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:	97	Resp:	329527
Ion	Ratio	Lower	Upper
97	100		
83	72.8	64.8	97.2
85	51.1	44.9	67.3
99	59.7	47.2	70.8

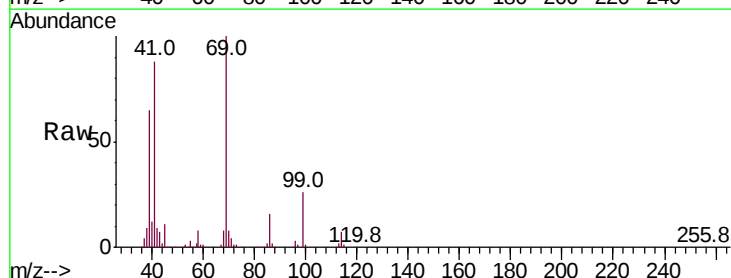


Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 98.85 (98.55 to 99.55): VDC

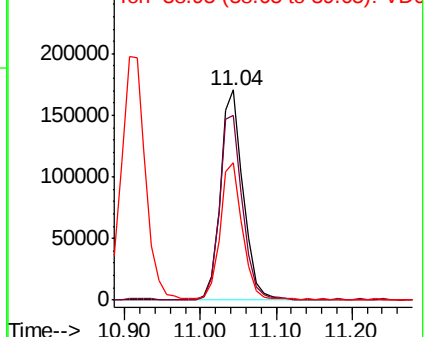
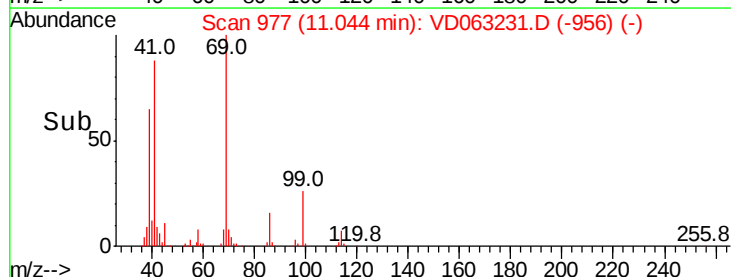


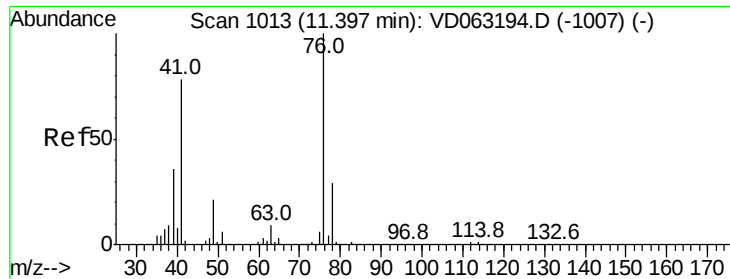
#56
Ethyl methacrylate
Concen: 52.727 ug/l
RT: 11.04 min Scan# 977
Delta R.T. 0.01 min
Lab File: VD063231.D
Acq: 30 Jul 2019 10:09

Tgt Ion:	69	Resp:	354851
Ion	Ratio	Lower	Upper
69	100		
41	87.7	68.8	103.2
39	65.4	45.8	68.8



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





#57

1,3-Dichloropropane

Concen: 53.660 ug/l

RT: 11.41 min Scan# 1014

Delta R.T. 0.01 min

Lab File: VD063231.D

Acq: 30 Jul 2019 10:09

Instrument :

MSVOA_D

ClientSampleId :

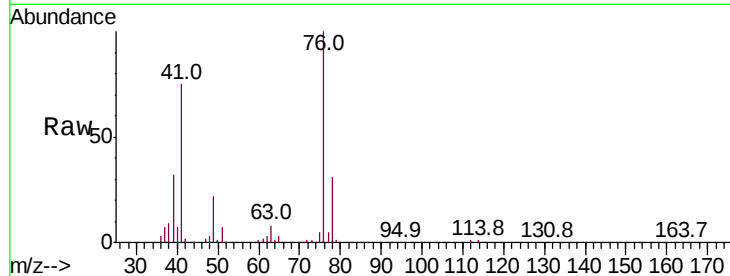
VSTDCCC050

Tot Ion: 76 Resp: 519613

Ion Ratio Lower Upper

76 100

78 31.3 23.4 35.0



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

11.41

250000

200000

150000

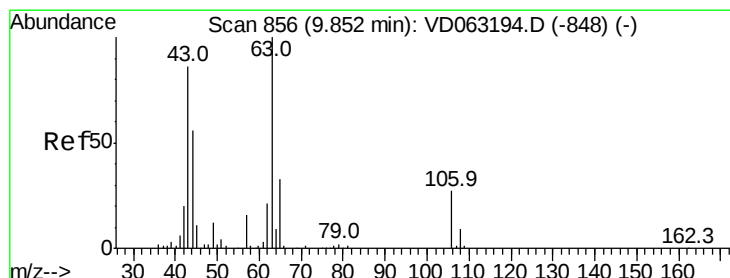
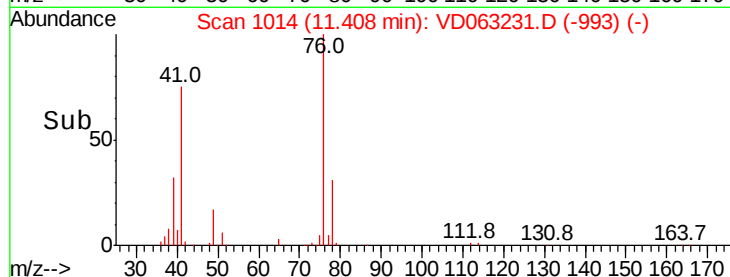
100000

50000

0

Time-->

11.30 11.40 11.50 11.60



#58

2-Chloroethyl Vinyl ether

Concen: 266.932 ug/l

RT: 9.85 min Scan# 856

Delta R.T. 0.00 min

Lab File: VD063231.D

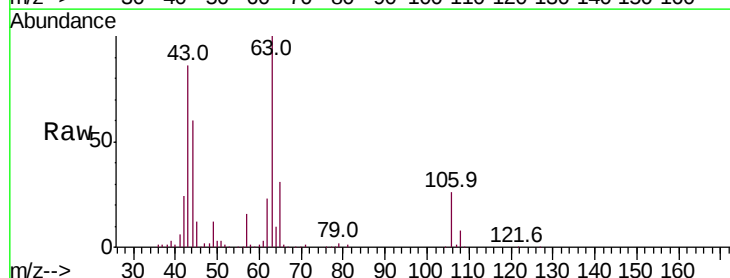
Acq: 30 Jul 2019 10:09

Tgt Ion: 63 Resp: 934758

Ion Ratio Lower Upper

63 100

106 25.7 22.0 33.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

9.85

400000

300000

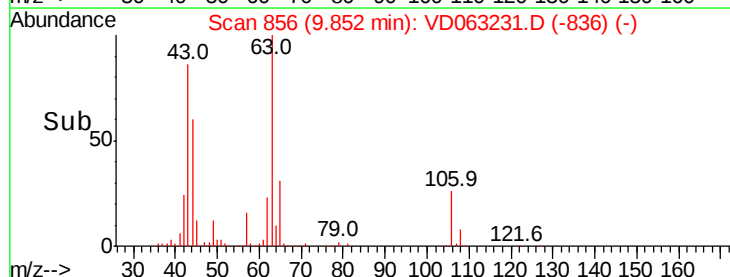
200000

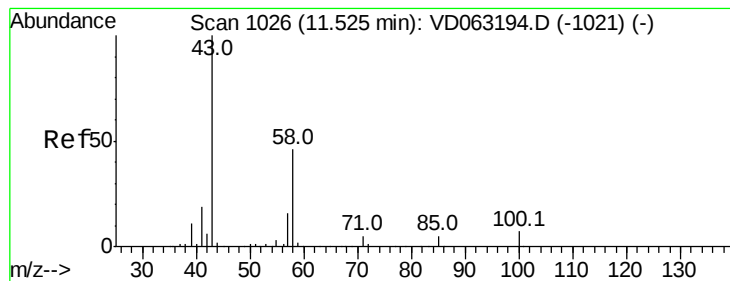
100000

0

Time-->

9.70 9.80 9.90 10.00





#59

2-Hexanone

Concen: 276.184 ug/l

RT: 11.53 min Scan# 1026

Delta R.T. 0.00 min

Lab File: VD063231.D

Acq: 30 Jul 2019 10:09

Instrument :

MSVOA_D

ClientSampleId :

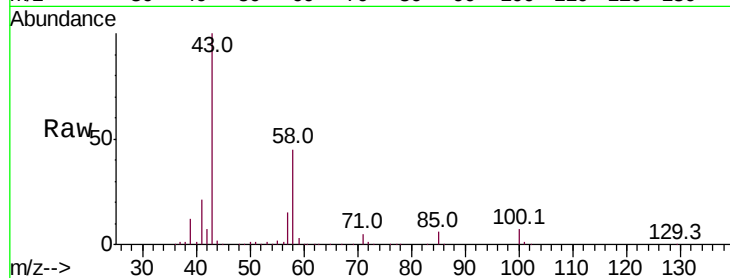
VSTDCCC050

Tot Ion: 43 Resp: 1014081

Ion Ratio Lower Upper

43 100

58 44.7 22.9 68.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

11.53

500000

400000

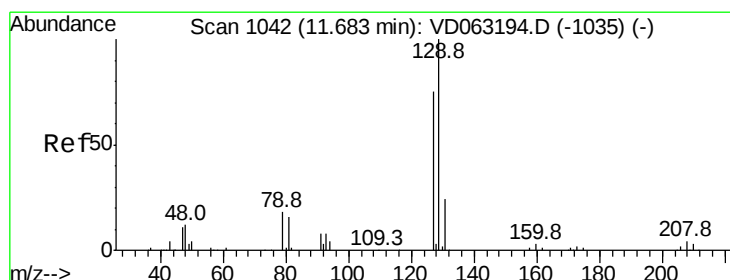
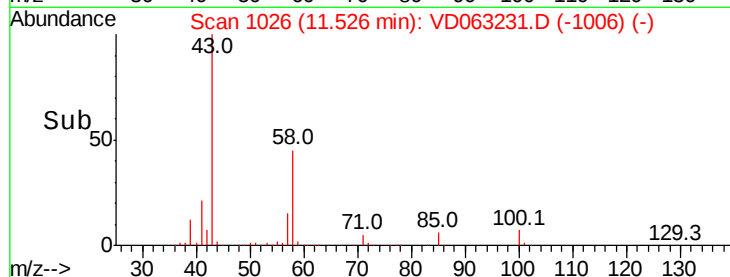
300000

200000

100000

0

Time-->



#60

Dibromochloromethane

Concen: 53.689 ug/l

RT: 11.68 min Scan# 1042

Delta R.T. 0.00 min

Lab File: VD063231.D

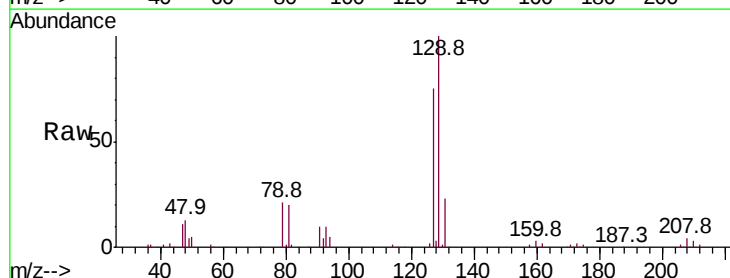
Acq: 30 Jul 2019 10:09

Tgt Ion: 129 Resp: 622925

Ion Ratio Lower Upper

129 100

127 75.4 37.6 112.8



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

11.68

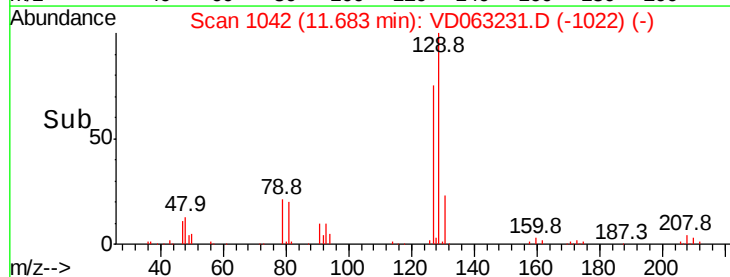
300000

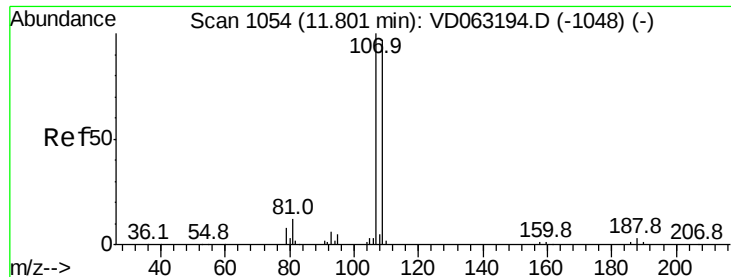
200000

100000

0

Time-->





#61

1,2-Dibromoethane

Concen: 53.520 ug/l

RT: 11.80 min Scan# 1054

Delta R.T. 0.00 min

Lab File: VD063231.D

Acq: 30 Jul 2019 10:09

Instrument :

MSVOA_D

ClientSampleId :

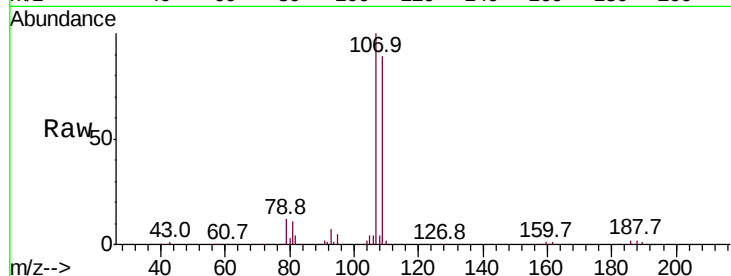
VSTDCCC050

Tot Ion:107 Resp: 405879

Ion Ratio Lower Upper

107 100

109 88.8 77.5 116.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

250000

200000

150000

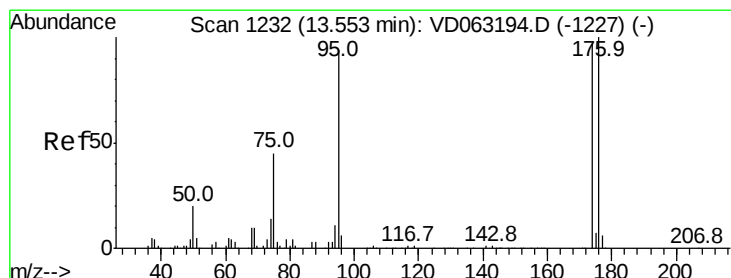
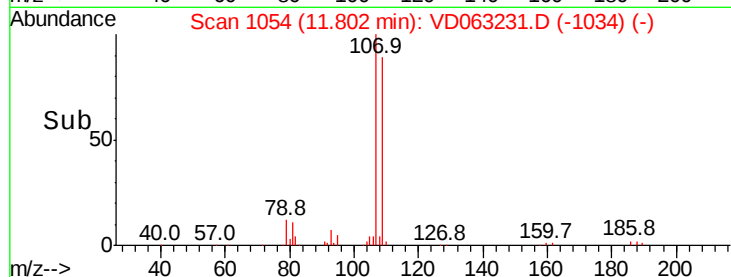
100000

50000

0

11.70 11.80 11.90 12.00

Time-->



#62

4-Bromofluorobenzene

Concen: 55.078 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD063231.D

Acq: 30 Jul 2019 10:09

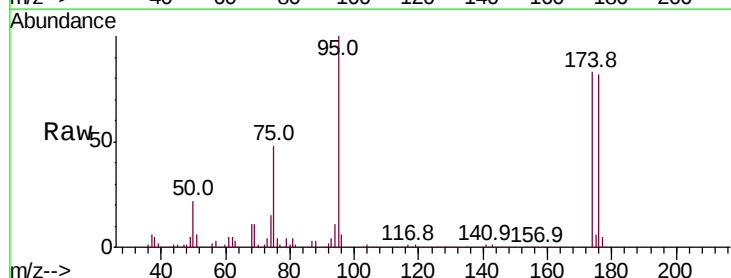
Tgt Ion: 95 Resp: 686025

Ion Ratio Lower Upper

95 100

174 83.4 0.0 205.4

176 82.0 0.0 211.8



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

600000

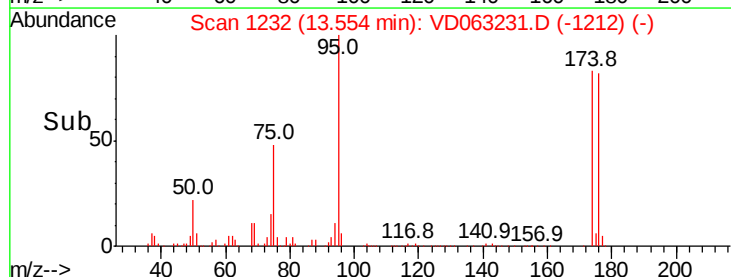
400000

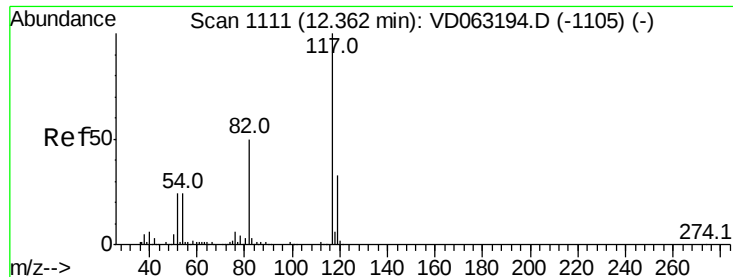
200000

0

13.50 13.55 13.60

Time-->

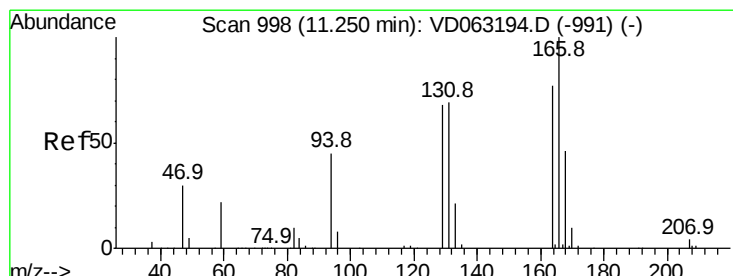
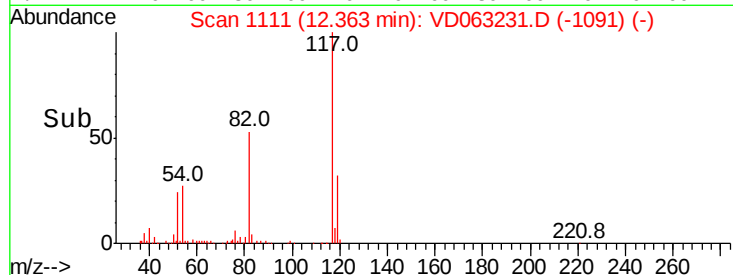
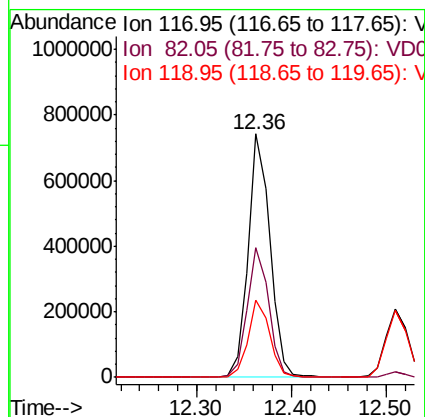
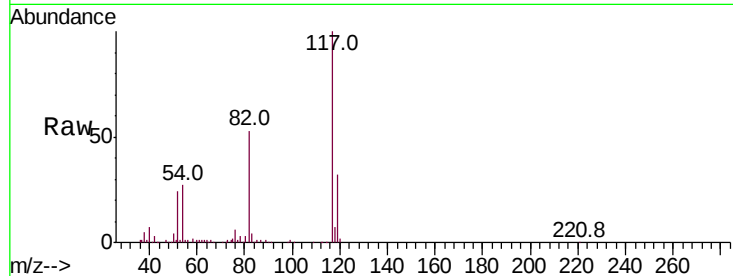




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD063231.D
Acq: 30 Jul 2019 10:09

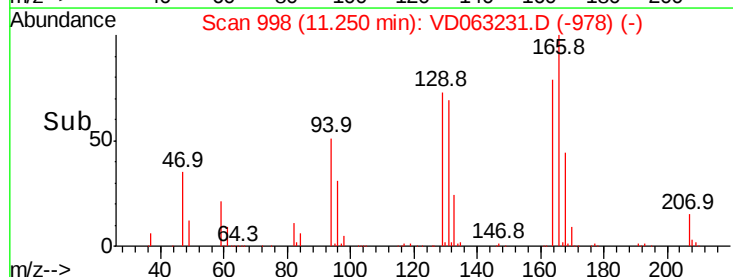
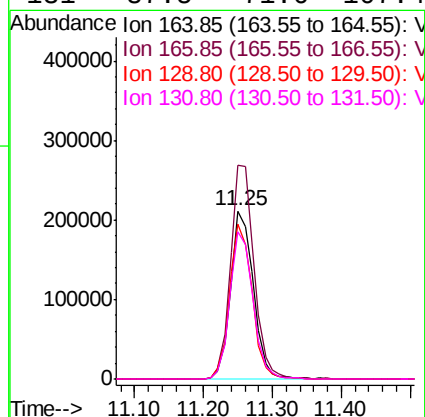
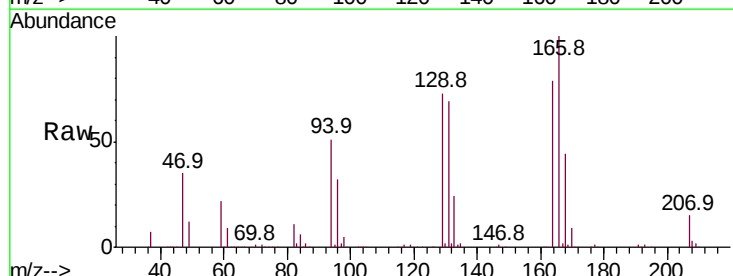
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

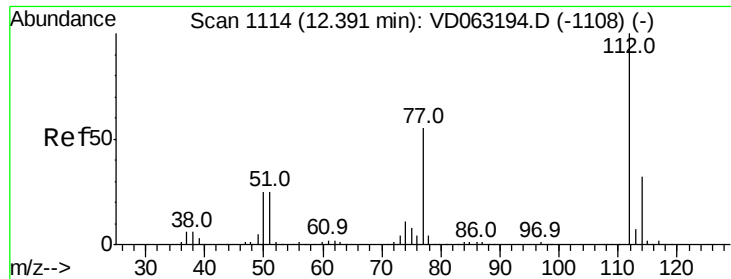
Tot Ion:117 Resp: 1187667
Ion Ratio Lower Upper
117 100
82 53.4 40.1 60.1
119 31.8 26.5 39.7



#64
Tetrachloroethene
Concen: 51.055 ug/l
RT: 11.25 min Scan# 998
Delta R.T. 0.00 min
Lab File: VD063231.D
Acq: 30 Jul 2019 10:09

Tgt Ion:164 Resp: 483063
Ion Ratio Lower Upper
164 100
166 127.2 104.3 156.5
129 92.5 70.9 106.3
131 87.5 71.6 107.4





#65

Chlorobenzene

Concen: 52.433 ug/l

RT: 12.39 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VD063231.D

Acq: 30 Jul 2019 10:09

Instrument :

MSVOA_D

ClientSampleId :

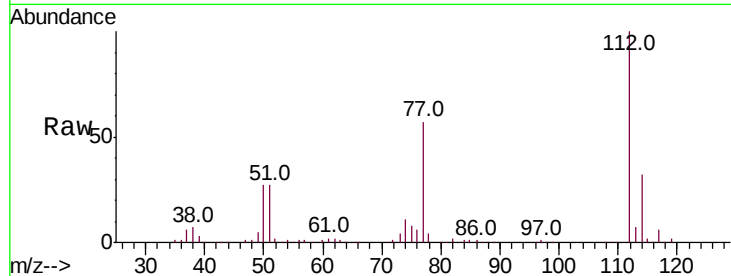
VSTDCCC050

Tot Ion:112 Resp: 1197776

Ion Ratio Lower Upper

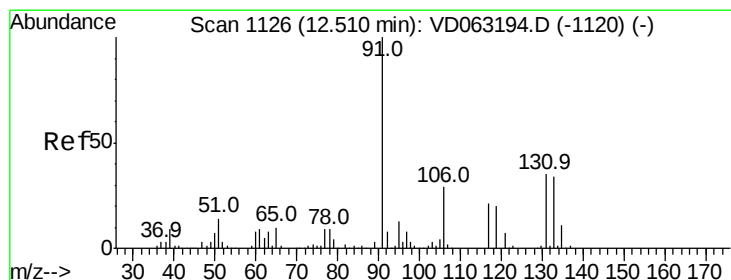
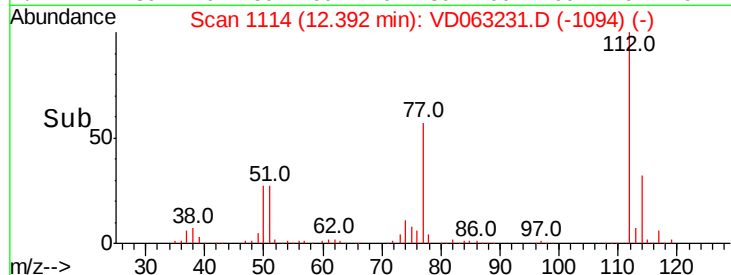
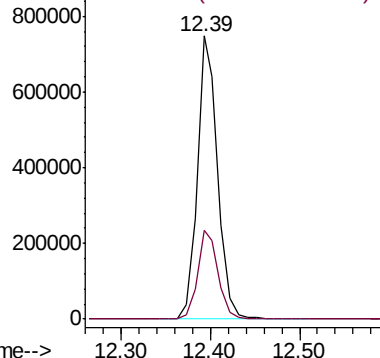
112 100

114 31.5 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: 55.458 ug/l

RT: 12.51 min Scan# 1126

Delta R.T. 0.00 min

Lab File: VD063231.D

Acq: 30 Jul 2019 10:09

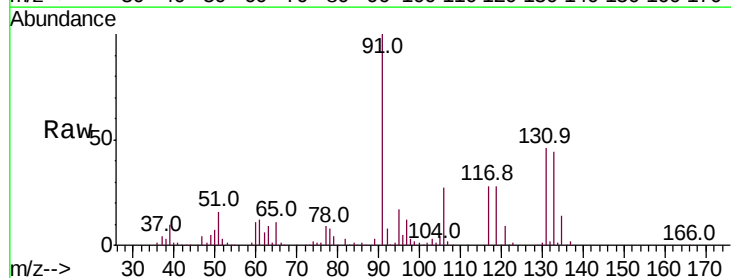
Tgt Ion:131 Resp: 558053

Ion Ratio Lower Upper

131 100

133 95.0 48.4 145.2

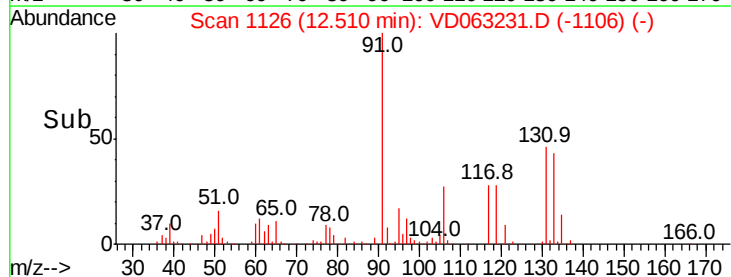
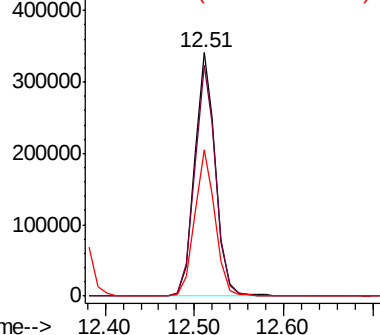
119 60.0 29.1 87.3

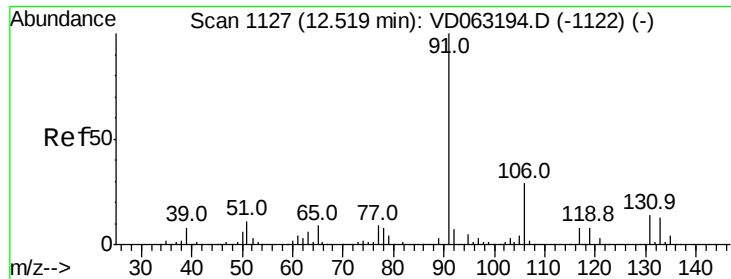


Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

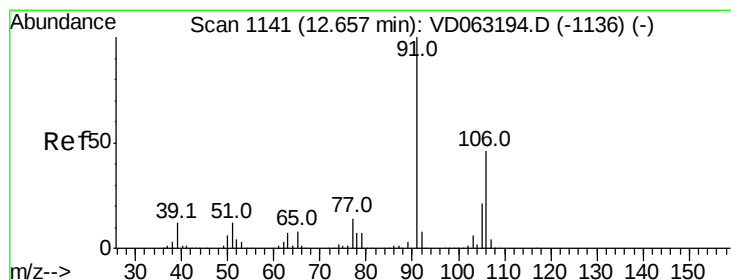
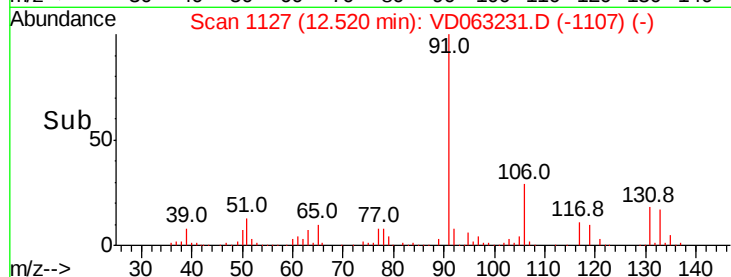
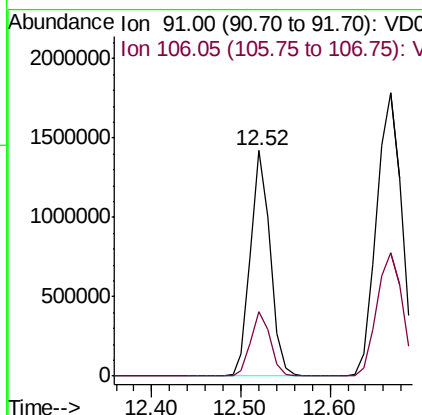
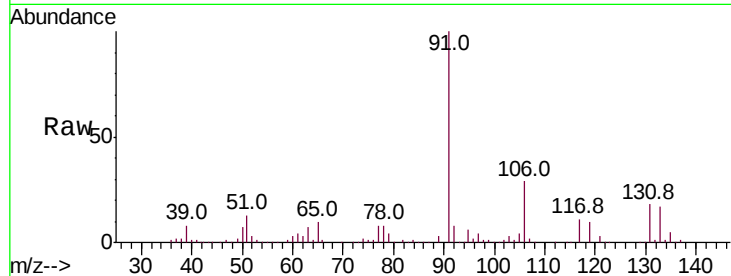




#67
Ethyl Benzene
Concen: 55.717 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD063231.D
Acq: 30 Jul 2019 10:09

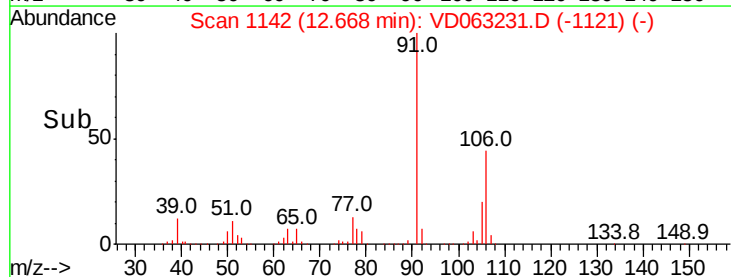
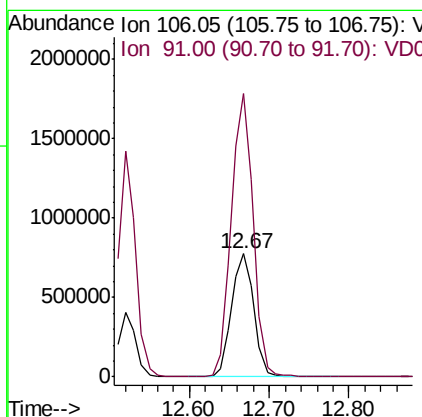
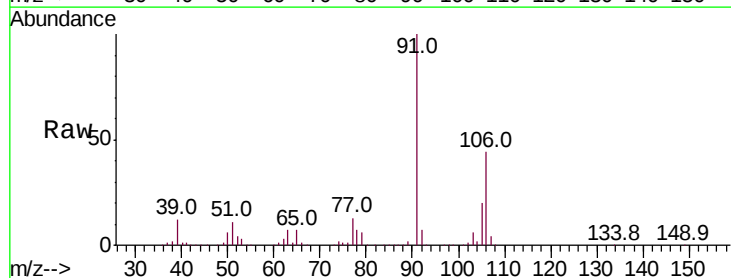
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

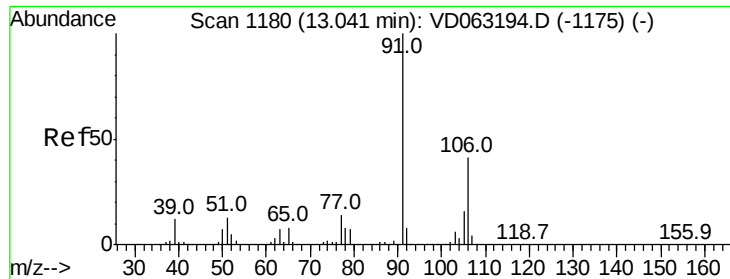
Tot Ion: 91 Resp: 2162230
Ion Ratio Lower Upper
91 100
106 28.7 22.9 34.3



#68
m/p-Xylenes
Concen: 106.747 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. 0.01 min
Lab File: VD063231.D
Acq: 30 Jul 2019 10:09

Tgt Ion: 106 Resp: 1519204
Ion Ratio Lower Upper
106 100
91 229.6 172.6 259.0

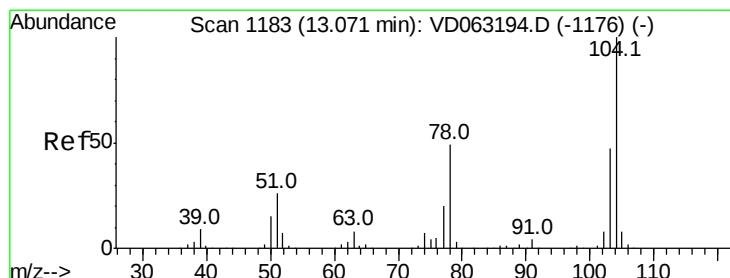
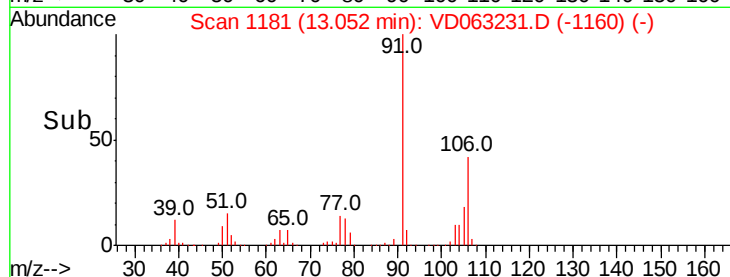
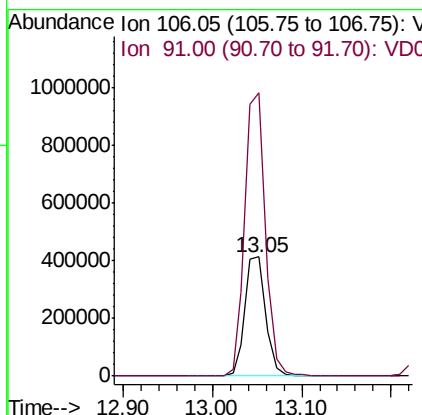
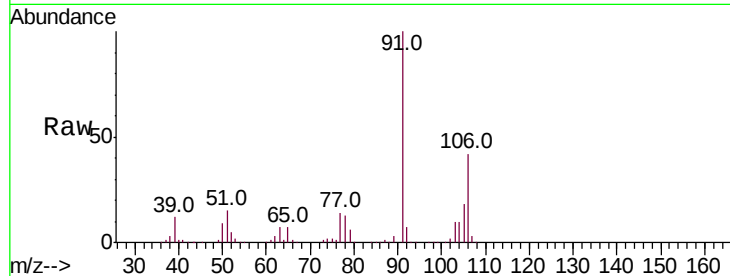




#69
o-Xylene
Concen: 51.315 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.01 min
Lab File: VD063231.D
Acq: 30 Jul 2019 10:09

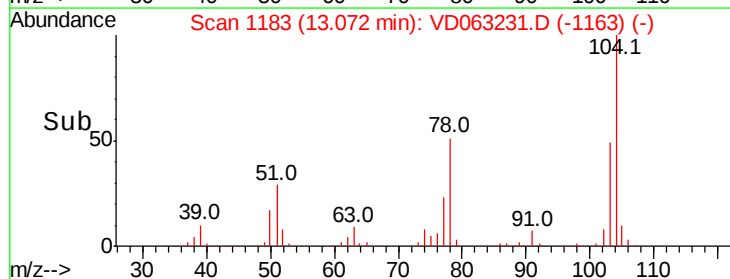
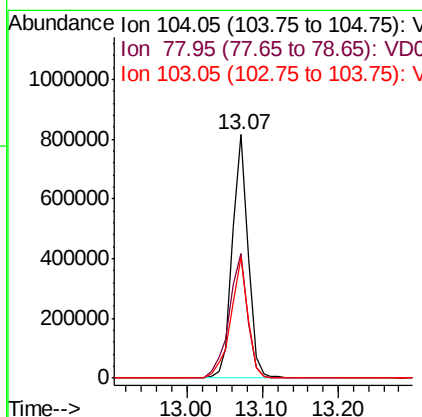
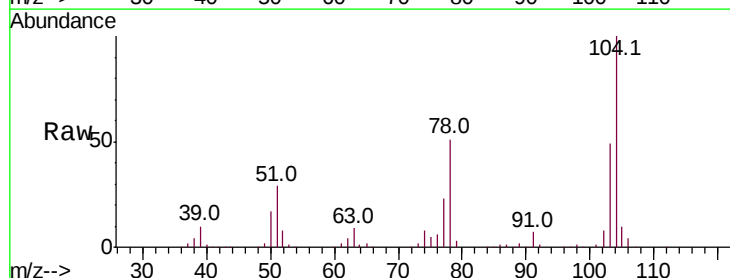
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

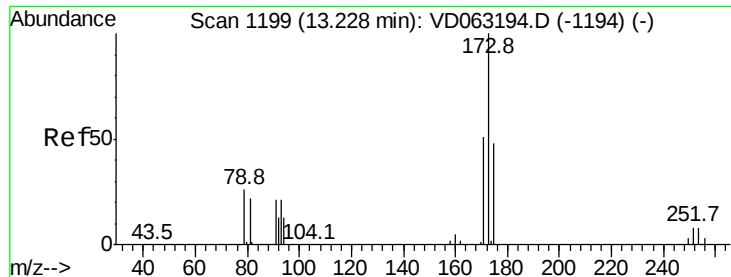
Tot Ion:106 Resp: 670648
Ion Ratio Lower Upper
106 100
91 237.6 121.3 363.9



#70
Styrene
Concen: 49.862 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VD063231.D
Acq: 30 Jul 2019 10:09

Tgt Ion:104 Resp: 1155665
Ion Ratio Lower Upper
104 100
78 51.1 39.4 59.0
103 49.3 37.4 56.2

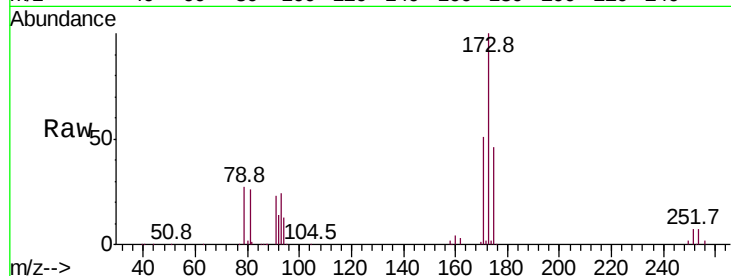




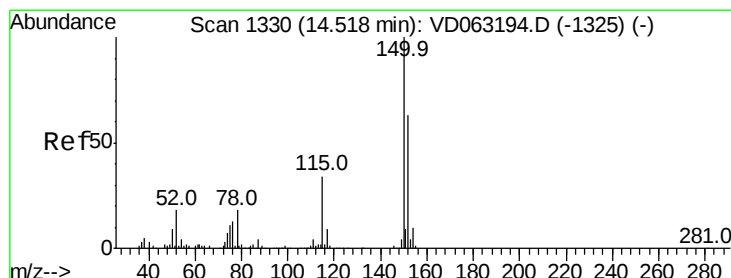
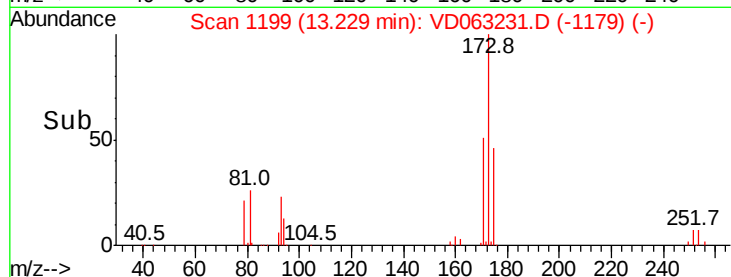
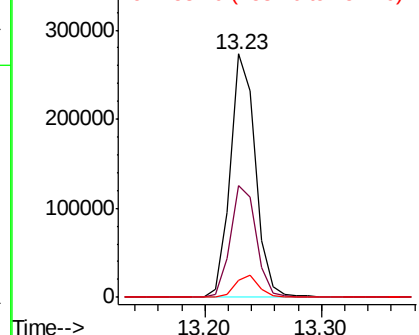
#71
Bromoform
Concen: 55.788 ug/l
RT: 13.23 min Scan# 1199
Delta R.T. 0.00 min
Lab File: VD063231.D
Acq: 30 Jul 2019 10:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:173 Resp: 408241
Ion Ratio Lower Upper
173 100
175 46.0 23.8 71.5
254 7.0 6.6 10.0

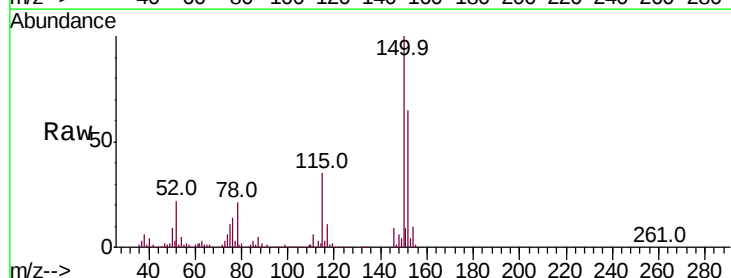


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

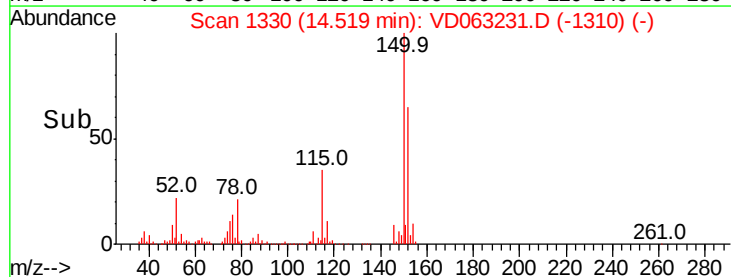
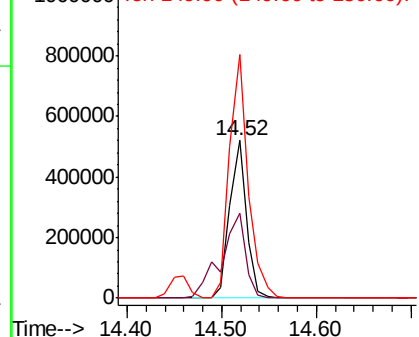


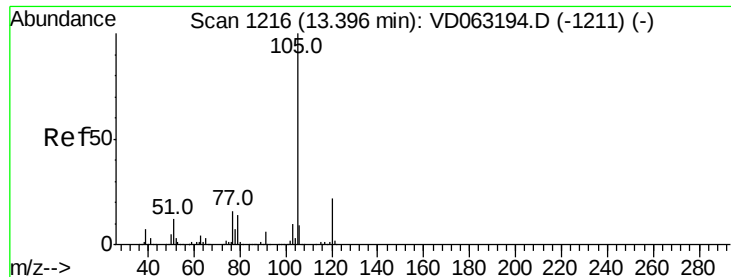
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD063231.D
Acq: 30 Jul 2019 10:09

Tgt Ion:152 Resp: 638208
Ion Ratio Lower Upper
152 100
115 54.2 27.5 82.4
150 154.6 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: 56.191 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. 0.01 min

Lab File: VD063231.D

Acq: 30 Jul 2019 10:09

Instrument :

MSVOA_D

ClientSampleId :

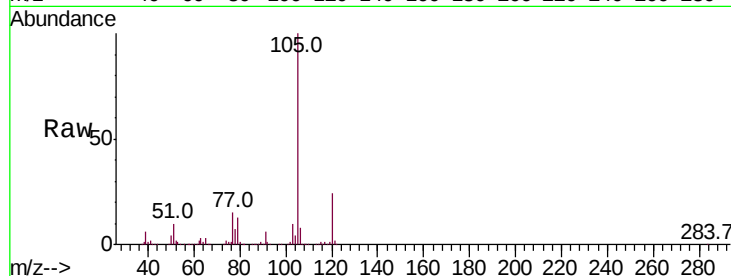
VSTDCCC050

Tot Ion:105 Resp: 2250789

Ion Ratio Lower Upper

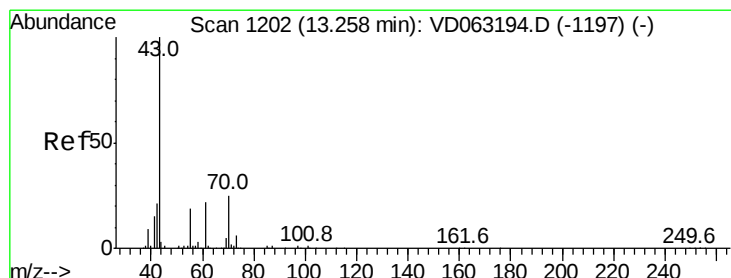
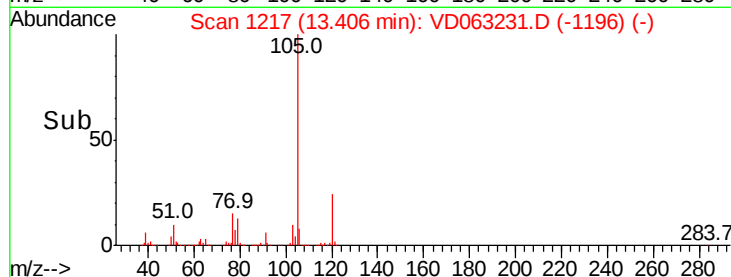
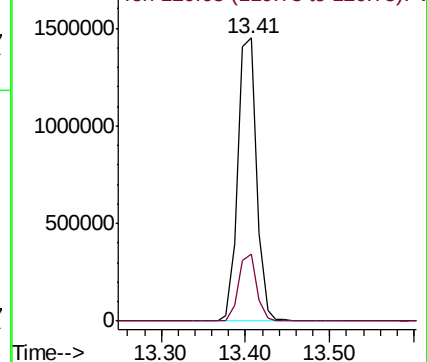
105 100

120 23.7 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: 53.396 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.01 min

Lab File: VD063231.D

Acq: 30 Jul 2019 10:09

Tgt Ion: 43 Resp: 565413

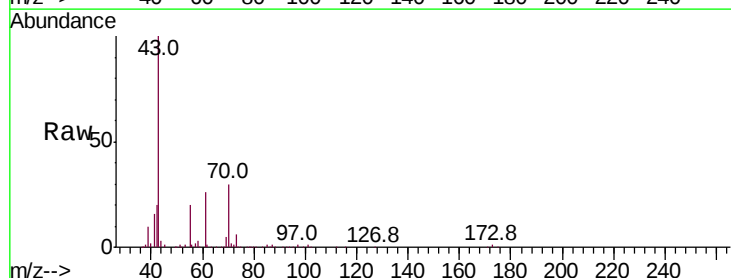
Ion Ratio Lower Upper

43 100

70 29.8 20.2 30.4

55 19.5 14.9 22.3

61 25.6 17.9 26.9

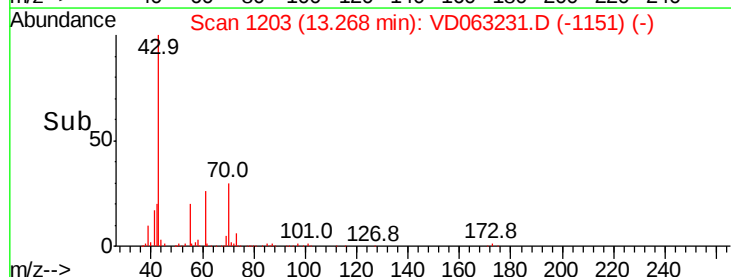
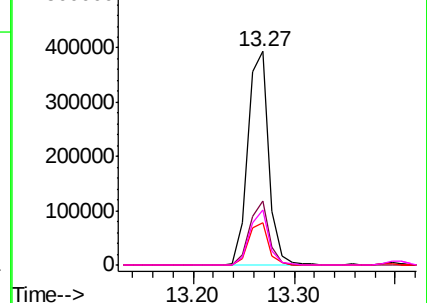


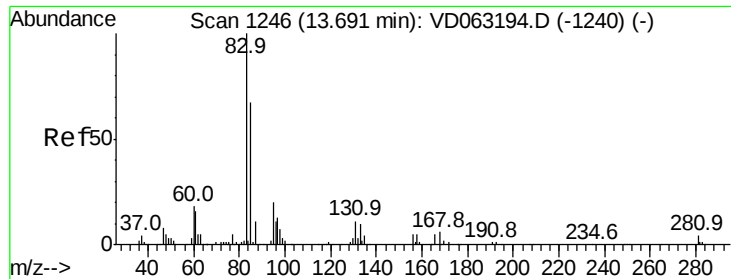
Abundance Ion 42.95 (42.65 to 43.65): VDC

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: 55.122 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.01 min

Lab File: VD063231.D

Acq: 30 Jul 2019 10:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

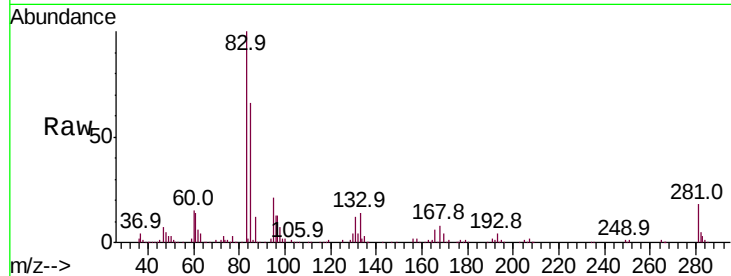
Tot Ion: 83 Resp: 375055

Ion Ratio Lower Upper

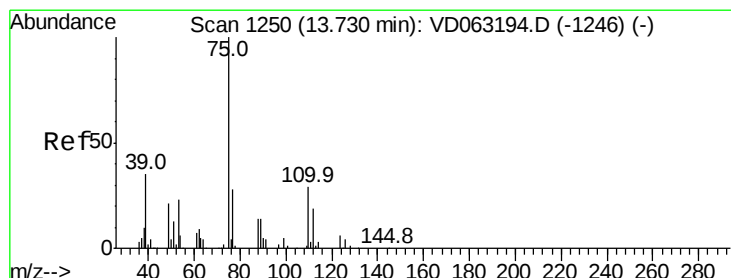
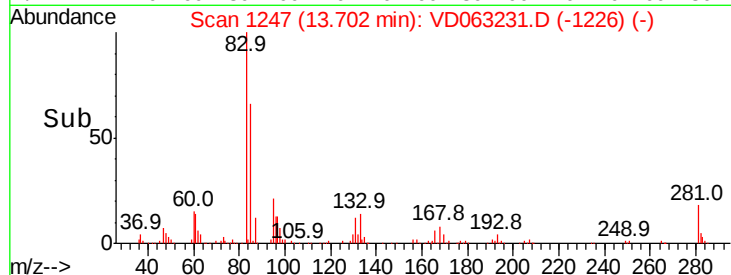
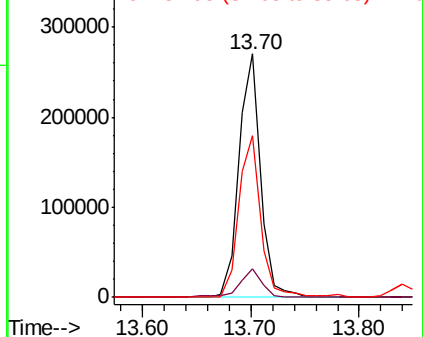
83 100

131 11.7 5.5 16.7

85 66.4 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: 52.050 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VD063231.D

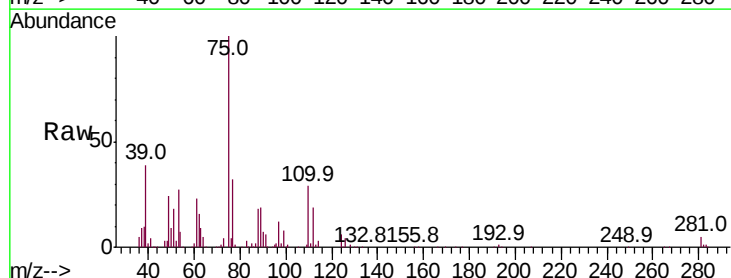
Acq: 30 Jul 2019 10:09

Tgt Ion: 75 Resp: 399001

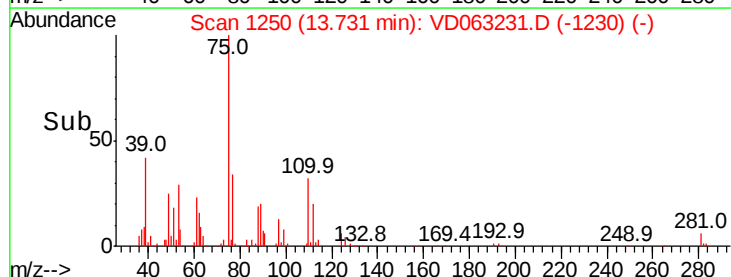
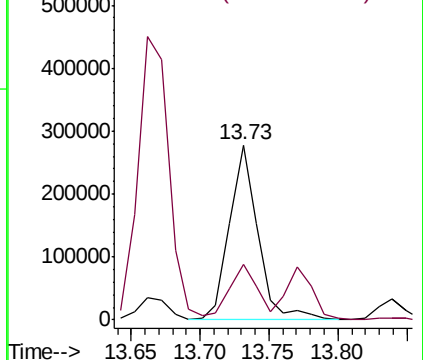
Ion Ratio Lower Upper

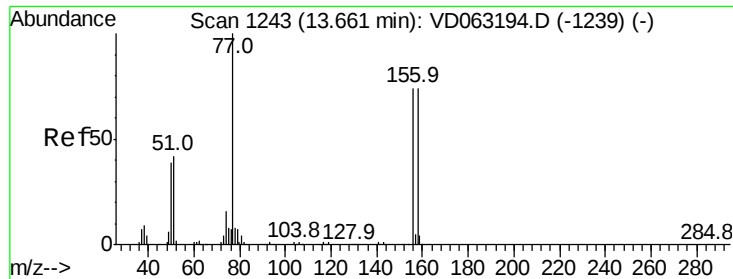
75 100

77 31.7 16.0 48.0



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





#77

Bromobenzene

Concen: 50.009 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.01 min

Lab File: VD063231.D

Acq: 30 Jul 2019 10:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

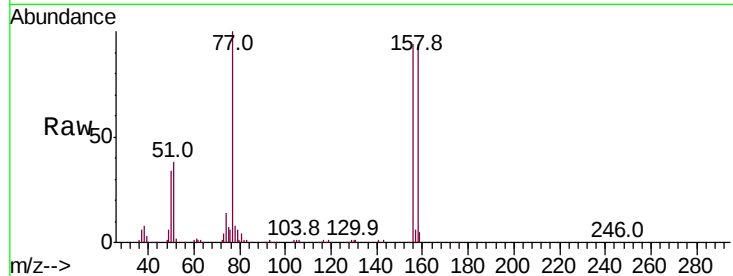
Tot Ion:156 Resp: 570635

Ion Ratio Lower Upper

156 100

77 106.2 67.6 202.8

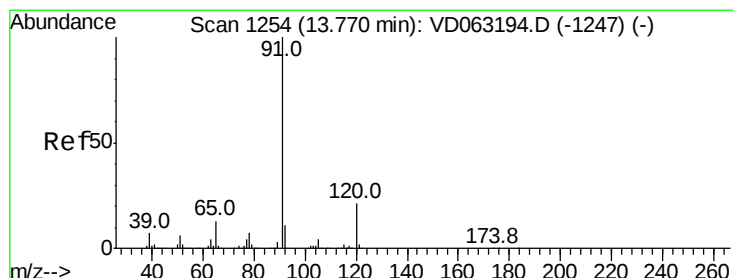
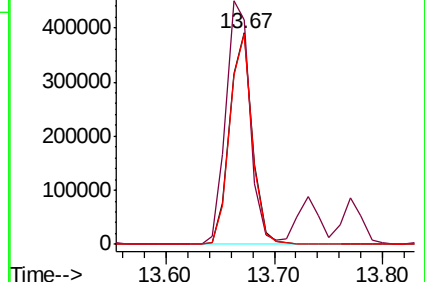
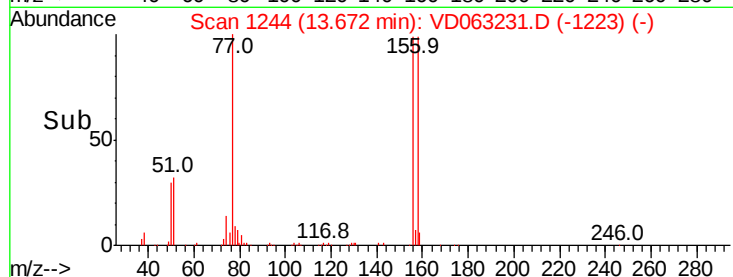
158 99.4 49.8 149.4



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: 54.007 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VD063231.D

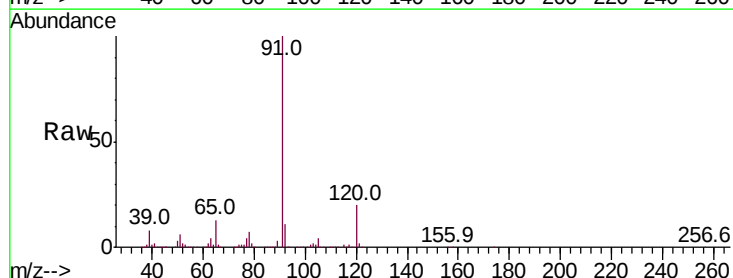
Acq: 30 Jul 2019 10:09

Tgt Ion: 91 Resp: 2574401

Ion Ratio Lower Upper

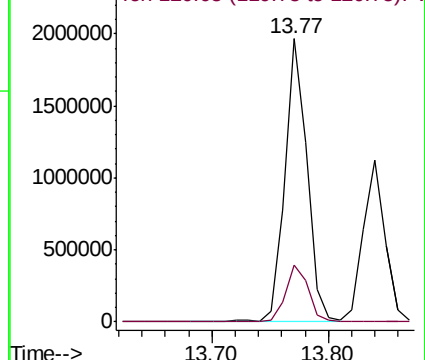
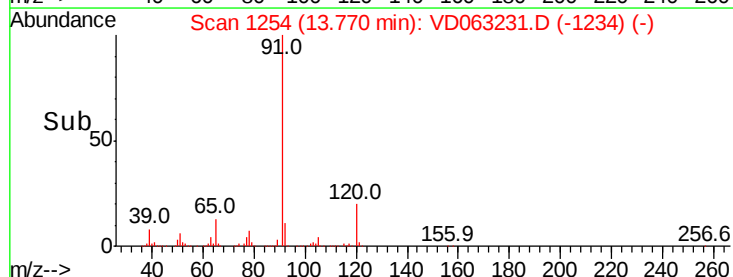
91 100

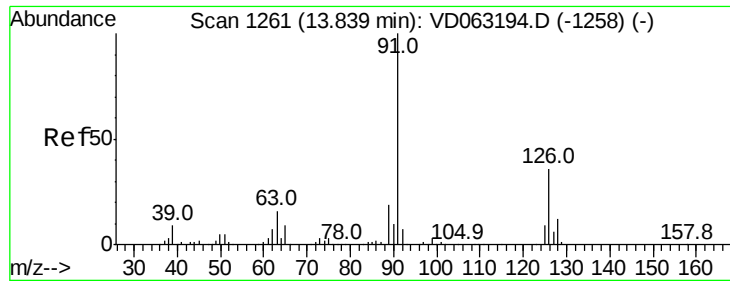
120 20.1 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 53.090 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VD063231.D

Acq: 30 Jul 2019 10:09

Instrument :

MSVOA_D

ClientSampleId :

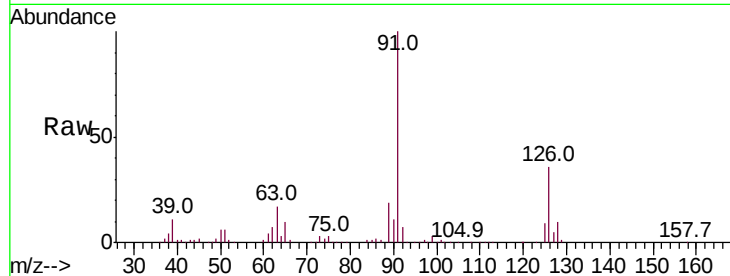
VSTDCCC050

Tot Ion: 91 Resp: 1466348

Ion Ratio Lower Upper

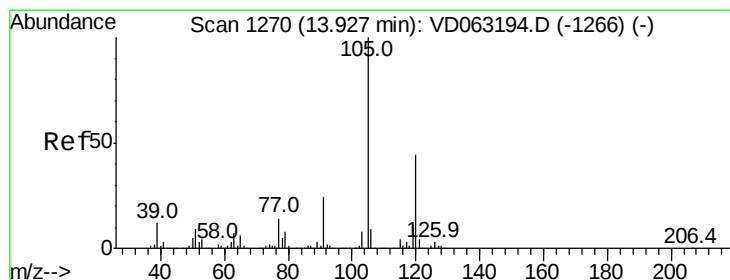
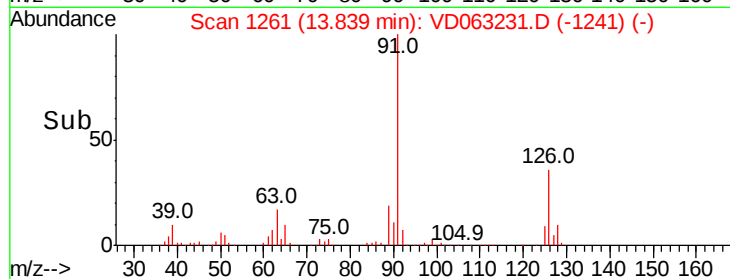
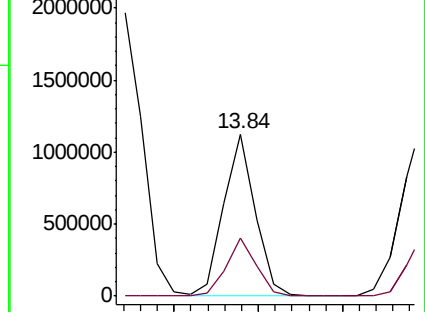
91 100

126 35.8 17.8 53.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 52.201 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD063231.D

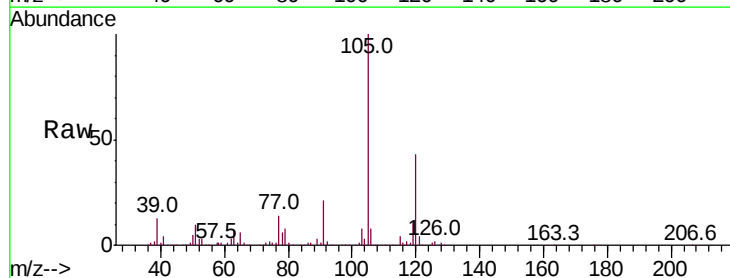
Acq: 30 Jul 2019 10:09

Tgt Ion:105 Resp: 1803449

Ion Ratio Lower Upper

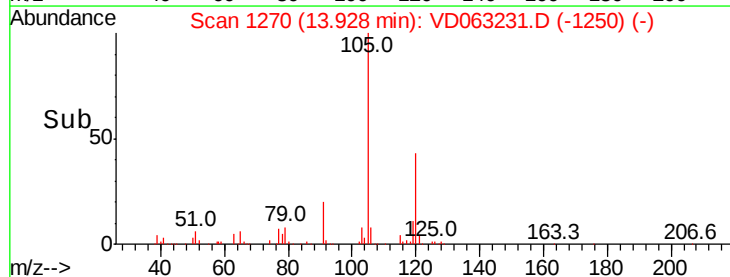
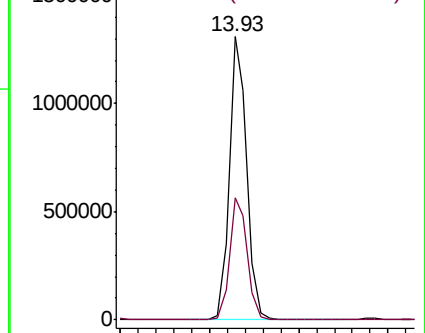
105 100

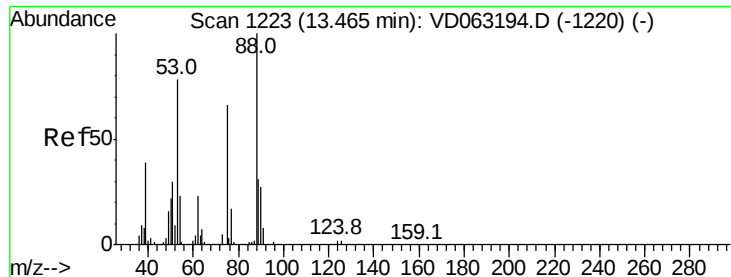
120 43.1 22.1 66.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

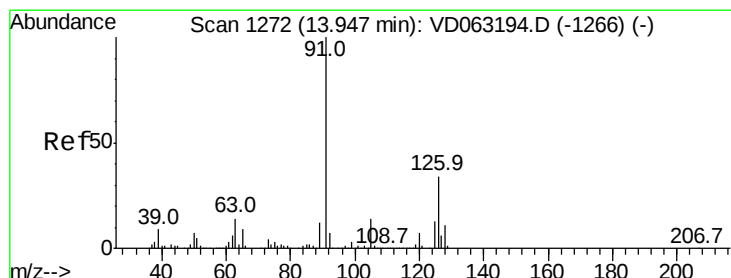
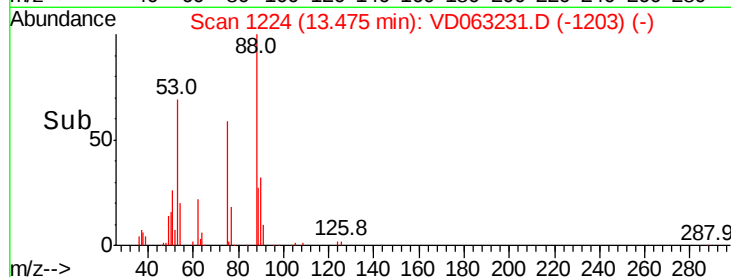
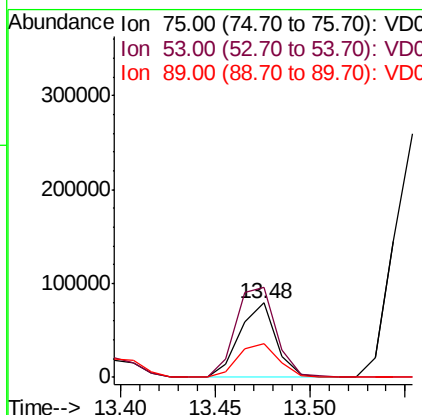
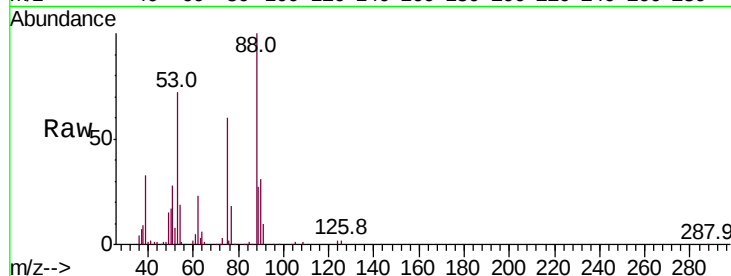




#81
trans-1,4-Dichloro-2-butene
Concen: 49.460 ug/l
RT: 13.48 min Scan# 1224
Delta R.T. 0.01 min
Lab File: VD063231.D
Acq: 30 Jul 2019 10:09

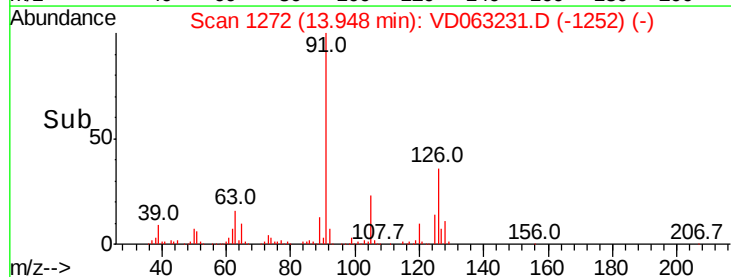
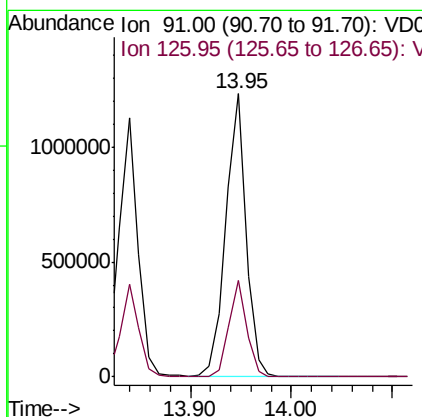
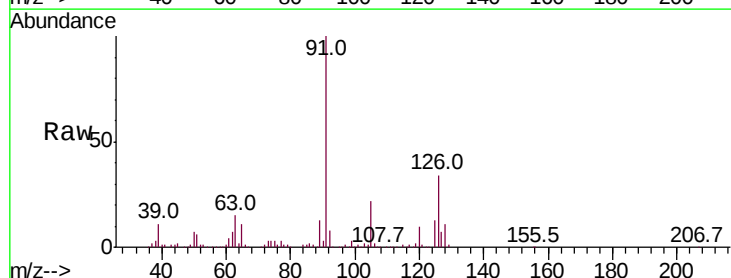
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 105280
Ion Ratio Lower Upper
75 100
53 121.1 94.9 142.3
89 44.9 37.4 56.0



#82
4-Chlorotoluene
Concen: 52.719 ug/l
RT: 13.95 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VD063231.D
Acq: 30 Jul 2019 10:09

Tgt Ion: 91 Resp: 1713626
Ion Ratio Lower Upper
91 100
126 34.2 17.1 51.2

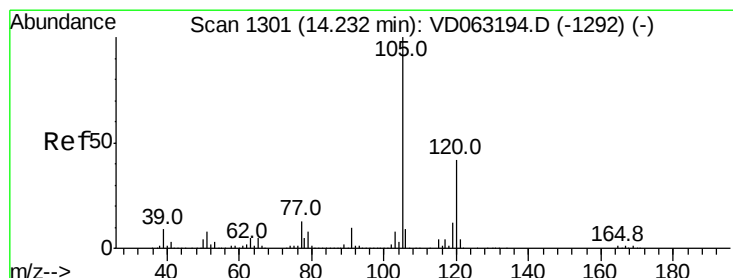
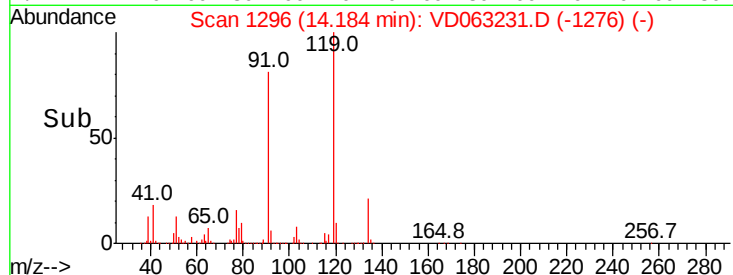
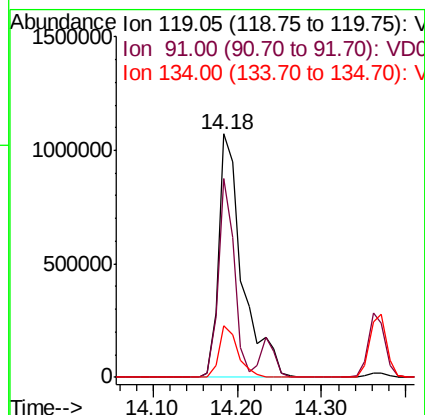
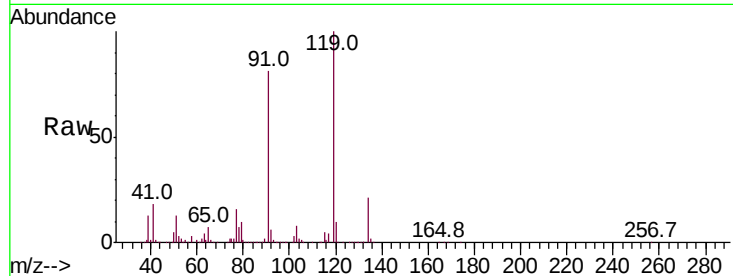




#83
tert-Butylbenzene
Concen: 53.055 ug/l
RT: 14.18 min Scan# 1296
Delta R.T. 0.00 min
Lab File: VD063231.D
Acq: 30 Jul 2019 10:09

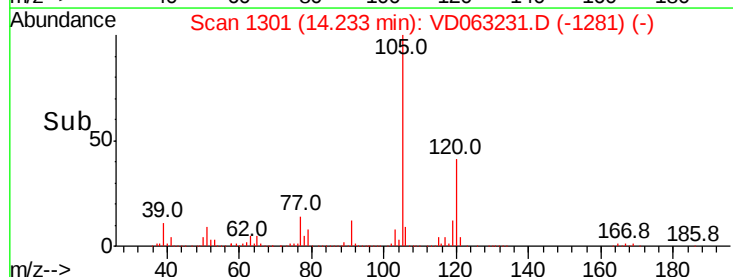
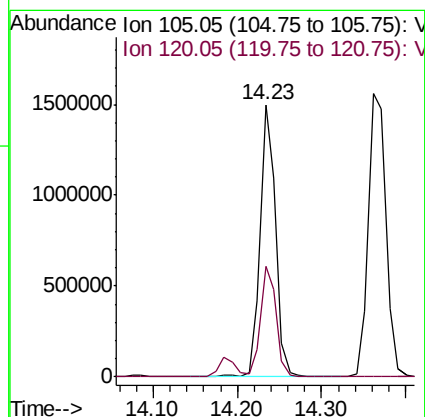
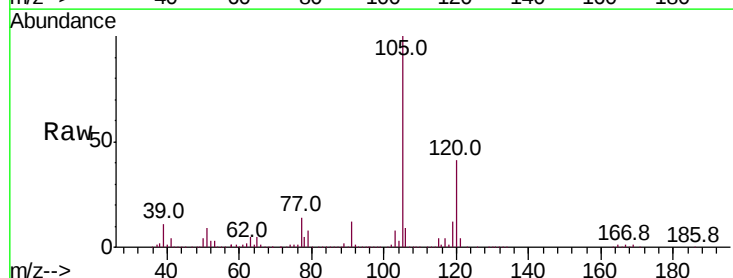
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

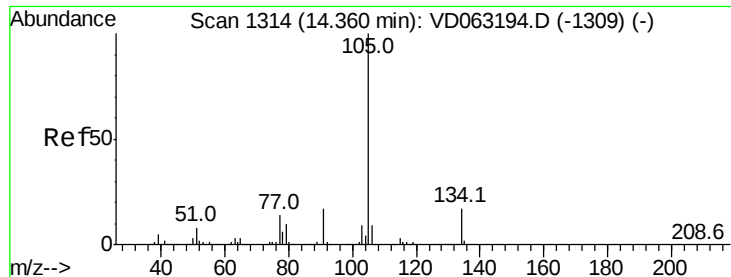
Tot Ion:119 Resp: 2092882
Ion Ratio Lower Upper
119 100
91 81.5 39.1 117.5
134 21.3 10.9 32.6



#84
1,2,4-Trimethylbenzene
Concen: 54.270 ug/l
RT: 14.23 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VD063231.D
Acq: 30 Jul 2019 10:09

Tgt Ion:105 Resp: 1939299
Ion Ratio Lower Upper
105 100
120 40.7 20.9 62.7





#85

sec-Butylbenzene

Concen: 54.740 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. 0.00 min

Lab File: VD063231.D

Acq: 30 Jul 2019 10:09

Instrument :

MSVOA_D

ClientSampleId :

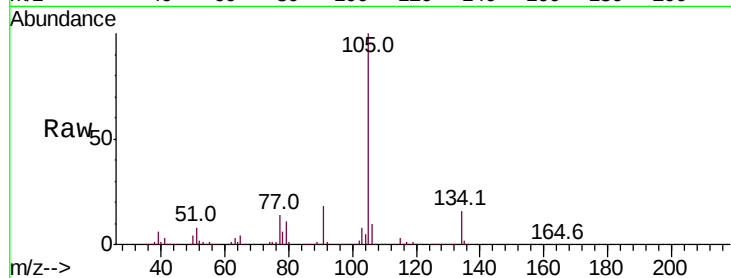
VSTDCCC050

Tot Ion:105 Resp: 2275060

Ion Ratio Lower Upper

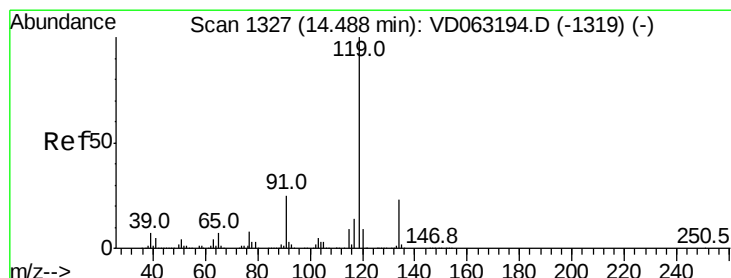
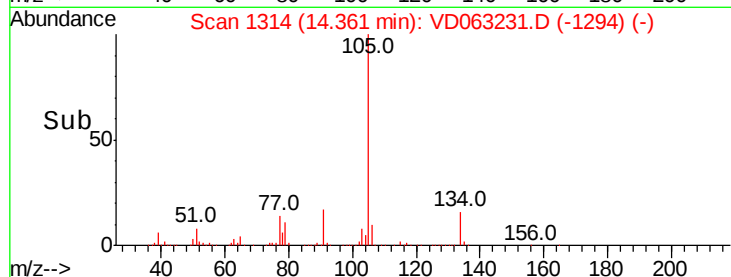
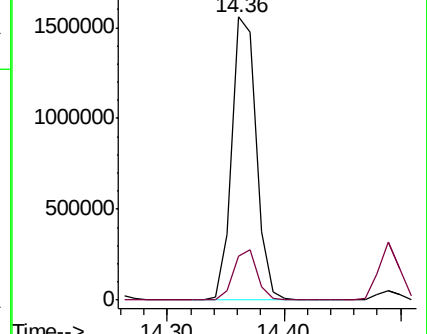
105 100

134 15.7 8.3 24.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 45.728 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. 0.00 min

Lab File: VD063231.D

Acq: 30 Jul 2019 10:09

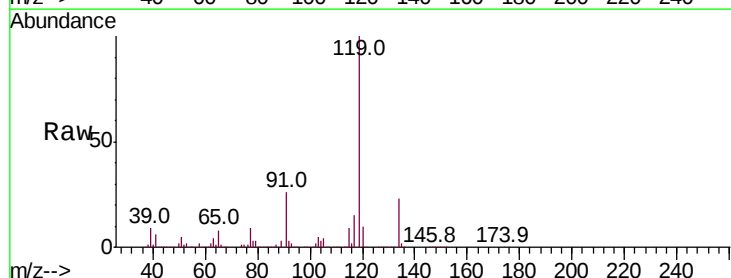
Tgt Ion:119 Resp: 1813924

Ion Ratio Lower Upper

119 100

134 22.6 11.5 34.5

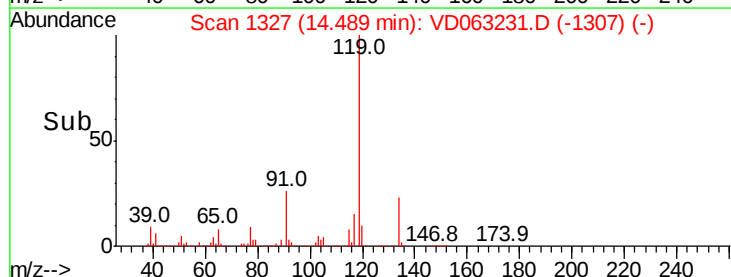
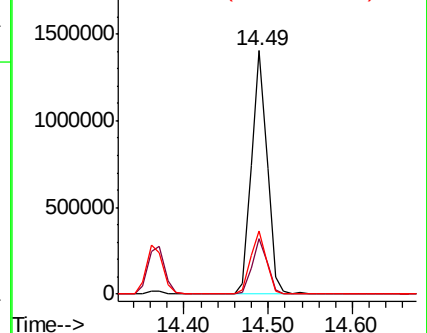
91 26.1 12.6 37.6

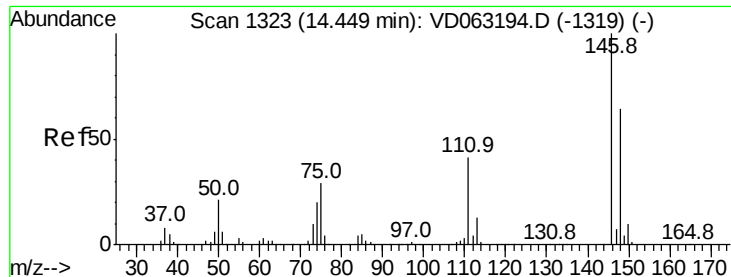


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

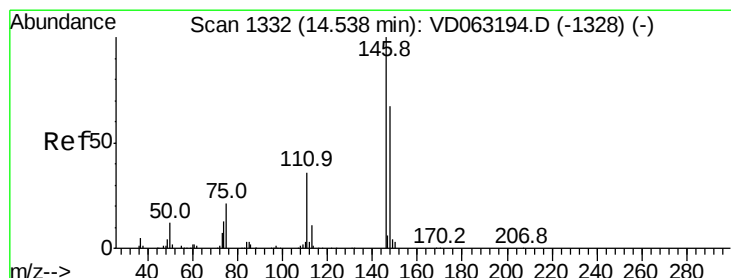
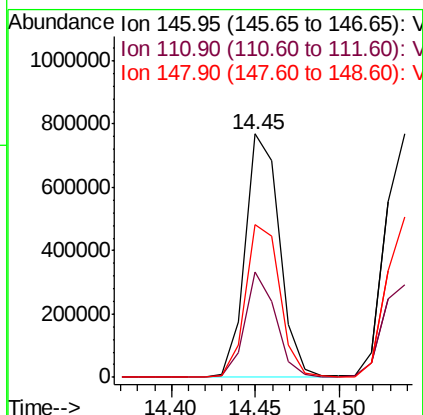
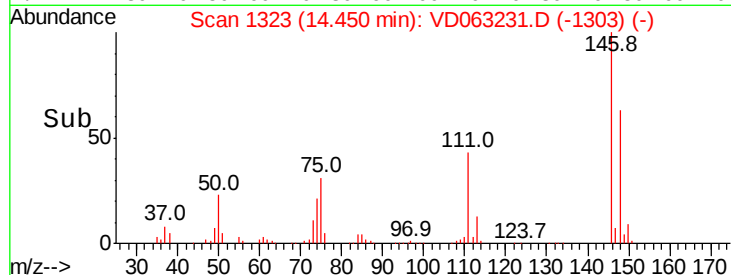
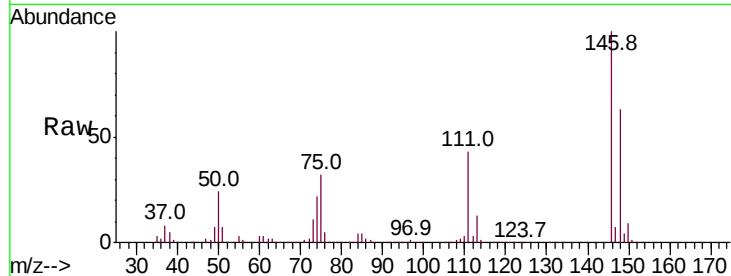




#87
 1,3-Dichlorobenzene
 Concen: 53.679 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VD063231.D
 Acq: 30 Jul 2019 10:09

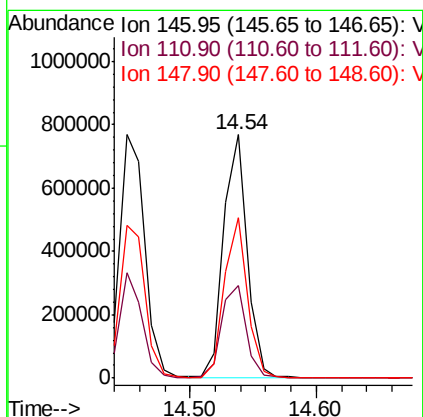
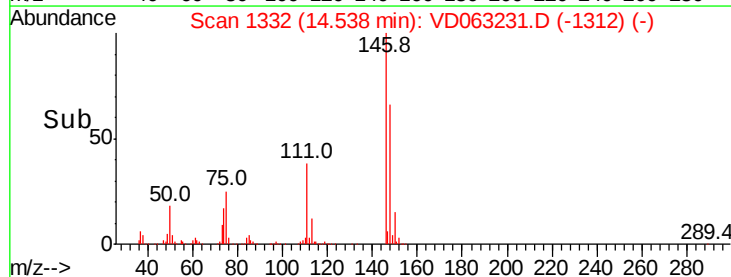
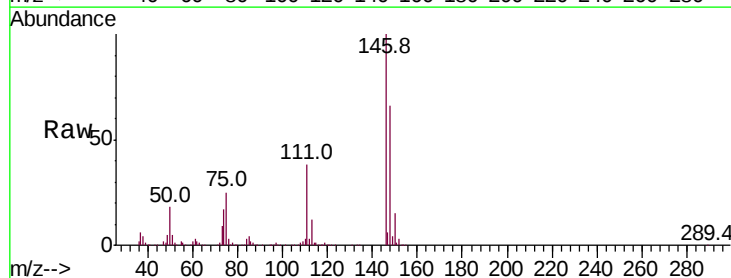
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

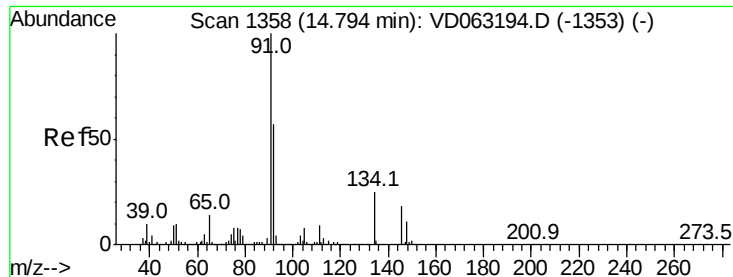
Tot Ion:146 Resp: 1084712
 Ion Ratio Lower Upper
 146 100
 111 43.5 20.4 61.3
 148 62.8 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 48.799 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. 0.00 min
 Lab File: VD063231.D
 Acq: 30 Jul 2019 10:09

Tgt Ion:146 Resp: 997167
 Ion Ratio Lower Upper
 146 100
 111 37.9 18.1 54.3
 148 66.1 33.4 100.1





#89

n-Butylbenzene

Concen: 52.410 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VD063231.D

Acq: 30 Jul 2019 10:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

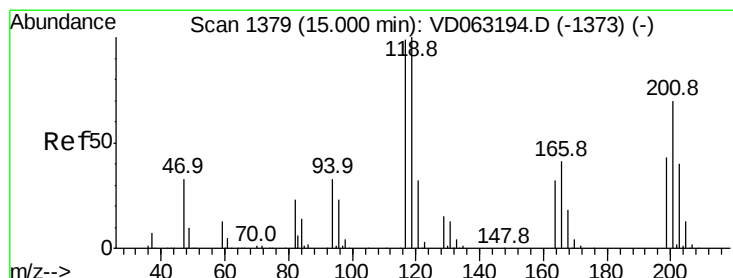
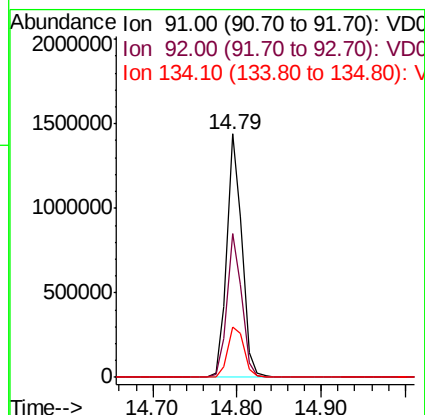
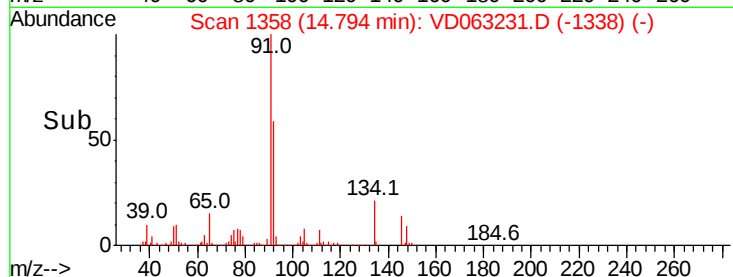
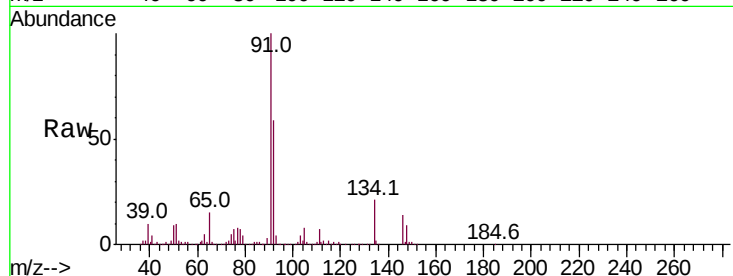
Tot Ion: 91 Resp: 1795594

Ion Ratio Lower Upper

91 100

92 59.3 28.3 85.0

134 20.6 12.3 36.8



#90

Hexachloroethane

Concen: 53.327 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. 0.00 min

Lab File: VD063231.D

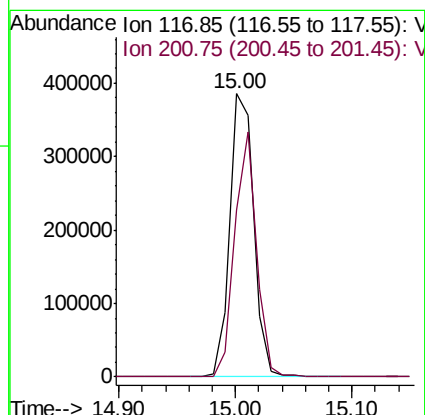
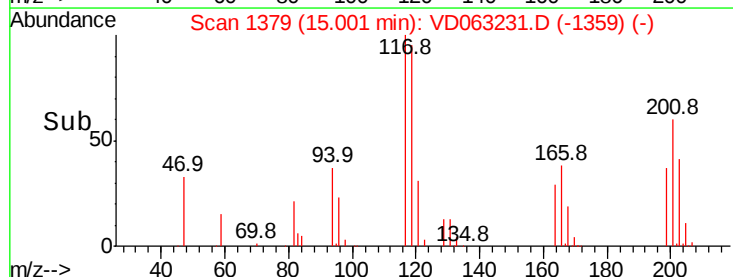
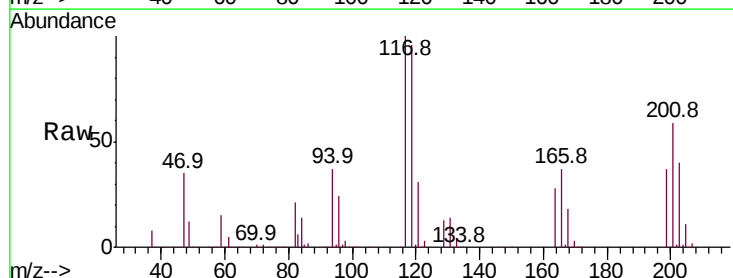
Acq: 30 Jul 2019 10:09

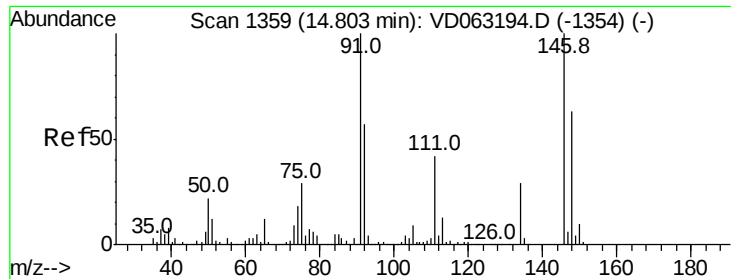
Tgt Ion: 117 Resp: 551128

Ion Ratio Lower Upper

117 100

201 59.1 35.2 105.6





#91

1,2-Dichlorobenzene

Concen: 50.948 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VD063231.D

Acq: 30 Jul 2019 10:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

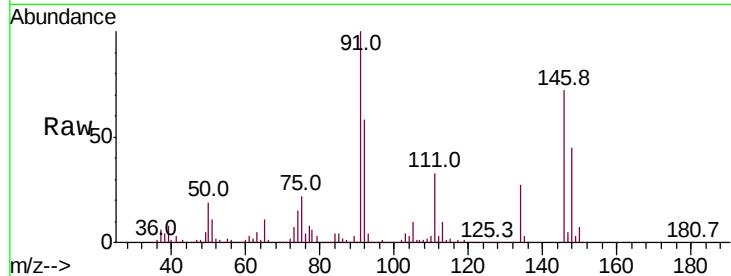
Tot Ion:146 Resp: 897001

Ion Ratio Lower Upper

146 100

111 46.1 21.1 63.3

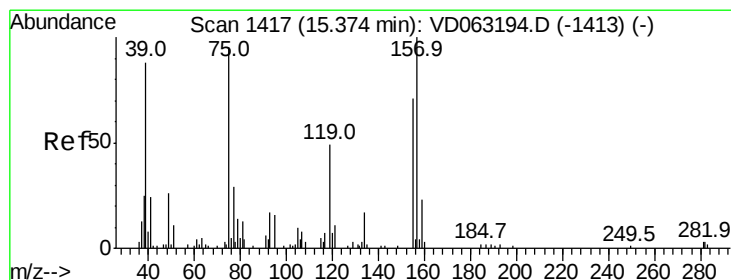
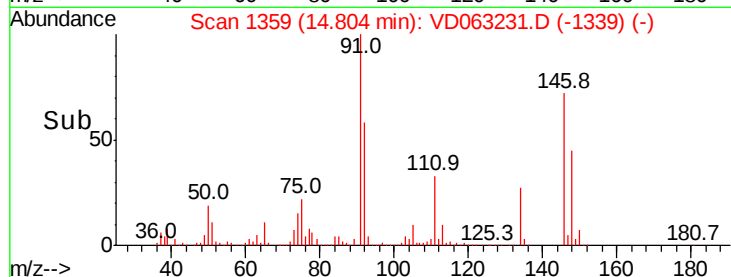
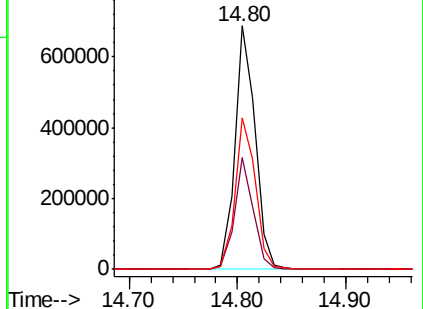
148 62.3 31.6 94.8



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: 51.727 ug/l

RT: 15.38 min Scan# 1417

Delta R.T. 0.00 min

Lab File: VD063231.D

Acq: 30 Jul 2019 10:09

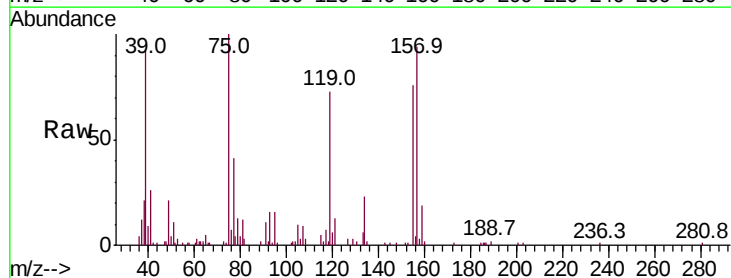
Tgt Ion: 75 Resp: 71691

Ion Ratio Lower Upper

75 100

155 76.3 37.0 111.0

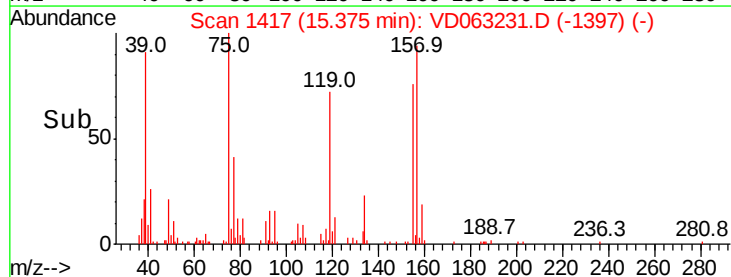
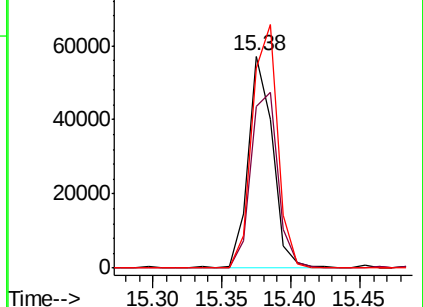
157 94.4 52.4 157.2

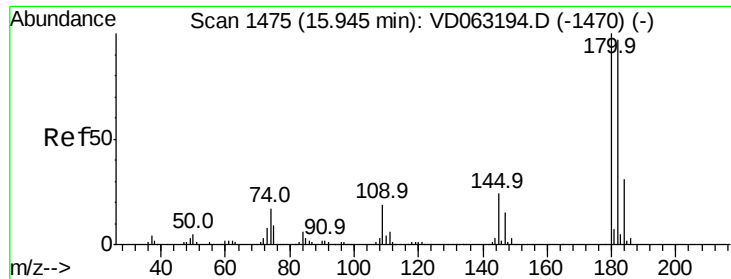


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

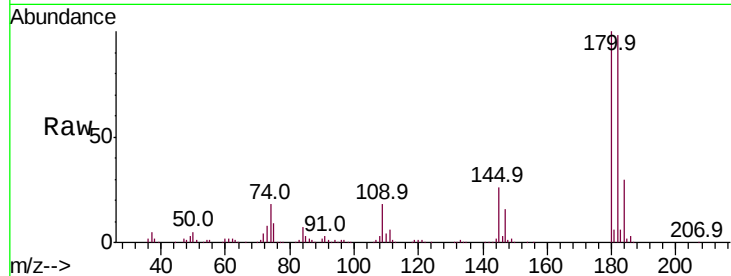




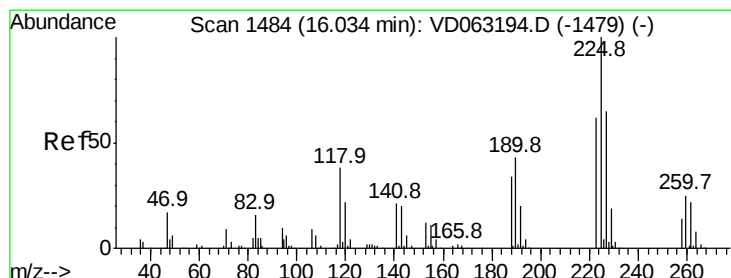
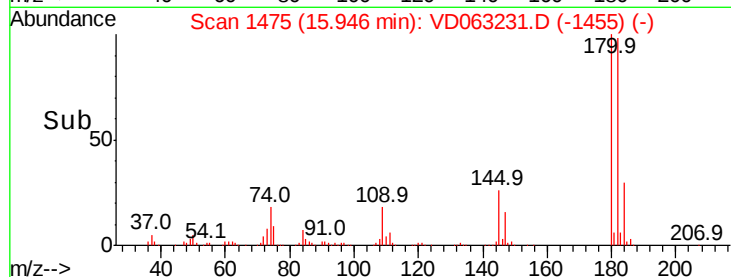
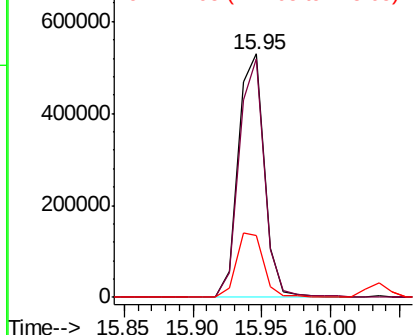
#93
 1,2,4-Trichlorobenzene
 Concen: 50.337 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD063231.D
 Acq: 30 Jul 2019 10:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 703067
 Ion Ratio Lower Upper
 180 100
 182 98.1 48.6 145.8
 145 25.6 12.2 36.6

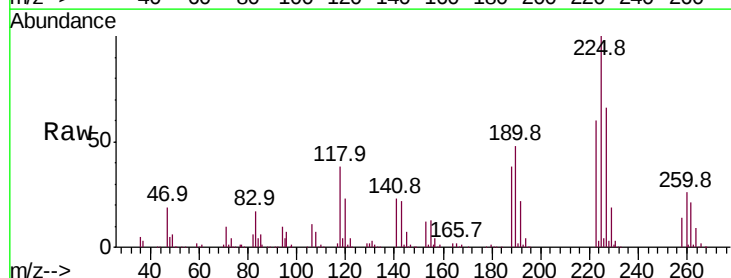


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

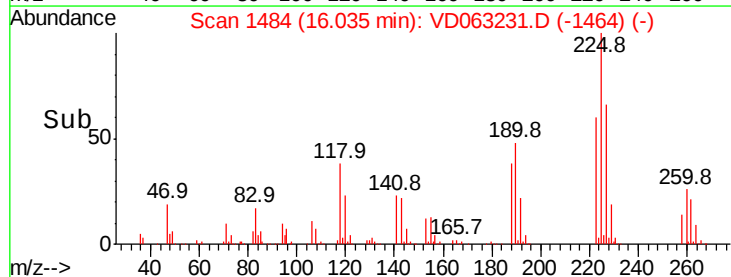
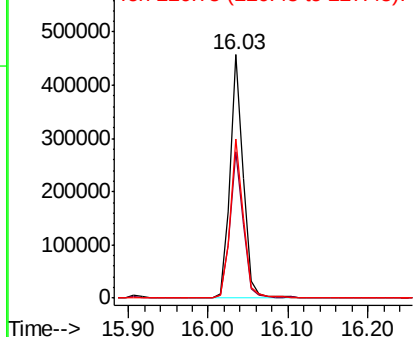


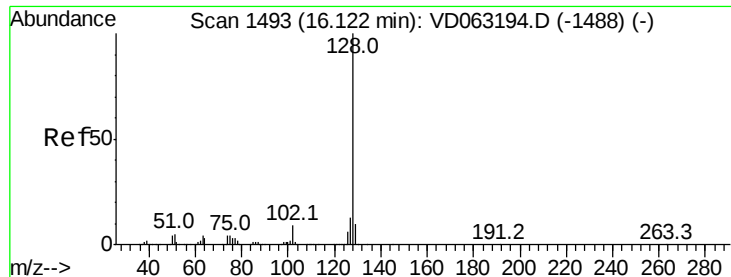
#94
 Hexachlorobutadiene
 Concen: 53.219 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD063231.D
 Acq: 30 Jul 2019 10:09

Tgt Ion:225 Resp: 538672
 Ion Ratio Lower Upper
 225 100
 223 60.0 30.9 92.5
 227 65.6 32.6 97.7



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





#95

Naphthalene

Concen: 51.082 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. 0.00 min

Lab File: VD063231.D

Acq: 30 Jul 2019 10:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

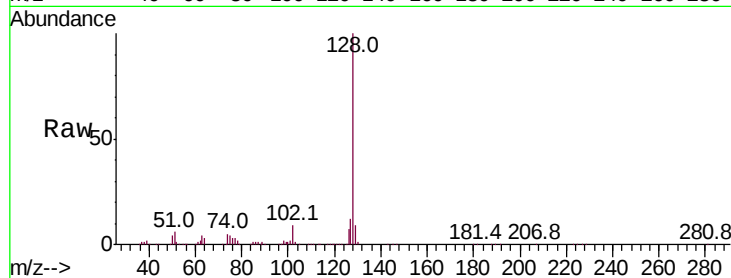
Tot Ion:128 Resp: 1008426

Ion Ratio Lower Upper

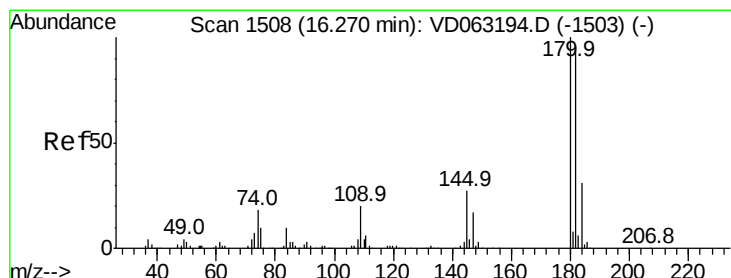
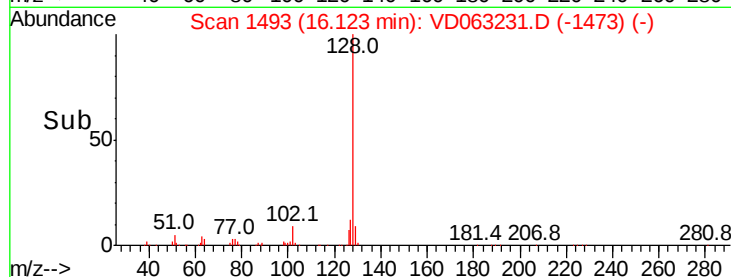
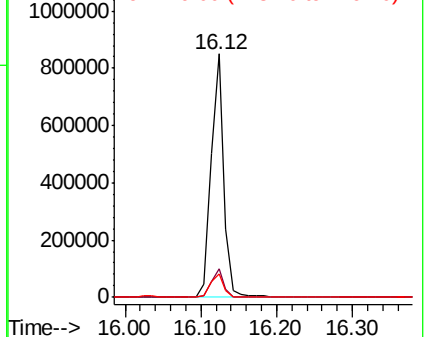
128 100

127 11.5 10.2 15.4

129 9.4 7.8 11.8



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 52.177 ug/l

RT: 16.27 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VD063231.D

Acq: 30 Jul 2019 10:09

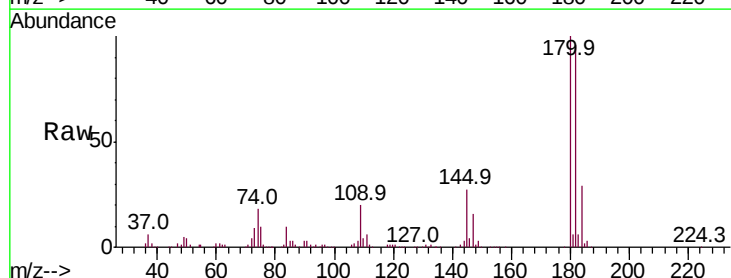
Tgt Ion:180 Resp: 575718

Ion Ratio Lower Upper

180 100

182 96.4 48.3 144.9

145 27.5 13.6 40.7



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

