

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080919\
 Data File : VD063474.D
 Acq On : 9 Aug 2019 15:23
 Operator : JC/SY
 Sample : VSTDIC075
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Quant Time: Aug 10 06:24:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 10 06:19:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	1219343	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	1693804	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.38	117	1442422	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	730528	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	966863	74.08	ug/l	0.00
Spiked Amount			Recovery	=	148.16%	
35) Dibromofluoromethane	6.93	113	1077008	75.50	ug/l	0.00
Spiked Amount			Recovery	=	151.00%	
50) Toluene-d8	10.43	98	2507236	79.94	ug/l	0.00
Spiked Amount			Recovery	=	159.88%	
62) 4-Bromofluorobenzene	13.56	95	1059448	74.53	ug/l	0.00
Spiked Amount			Recovery	=	149.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	1095483	74.143	ug/l	92
3) Chloromethane	1.75	50	863210	74.773	ug/l	94
4) Vinyl Chloride	1.85	62	895096	78.114	ug/l	98
5) Bromomethane	2.16	94	403133	74.954	ug/l	97
6) Chloroethane	2.27	64	410500	78.333	ug/l	98
7) Trichlorofluoromethane	2.53	101	1701070	75.678	ug/l	98
8) Diethyl Ether	2.88	74	234708	73.954	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	3.15	101	996346	75.068	ug/l	98
10) Methyl Iodide	3.31	142	1581951	84.251	ug/l	98
11) Tert butyl alcohol	4.10	59	223089	392.595	ug/l #	94
12) 1,1-Dichloroethene	3.13	96	741496	75.194	ug/l	97
13) Acrolein	3.04	56	188908	337.701	ug/l	92
14) Allyl chloride	3.62	41	1119696	75.583	ug/l	95
15) Acrylonitrile	4.22	53	571507	379.712	ug/l	95
16) Acetone	3.23	43	1087645	407.453	ug/l	97
17) Carbon Disulfide	3.38	76	2377054	76.350	ug/l	97
18) Methyl Acetate	3.65	43	354999	70.622	ug/l	98
19) Methyl tert-butyl Ether	4.25	73	1501577	76.092	ug/l	100
20) Methylene Chloride	3.82	84	791824	68.996	ug/l	96
21) trans-1,2-Dichloroethene	4.22	96	822207	79.184	ug/l	97
22) Diisopropyl ether	5.14	45	2404718	78.602	ug/l	99
23) Vinyl Acetate	5.08	43	7155284	402.618	ug/l	98
24) 1,1-Dichloroethane	5.00	63	1481848	78.054	ug/l	98
25) 2-Butanone	6.09	43	1085772	414.346	ug/l	97
26) 2,2-Dichloropropane	6.05	77	1438171	76.053	ug/l	95
27) cis-1,2-Dichloroethene	6.06	96	878816	77.356	ug/l	96
28) Bromochloromethane	6.45	49	578168	75.138	ug/l	90
29) Tetrahydrofuran	6.48	42	464725	380.554	ug/l	98
30) Chloroform	6.68	83	1727795	73.212	ug/l	93
31) Cyclohexane	6.97	56	895505	75.979	ug/l	100
32) 1,1,1-Trichloroethane	6.88	97	1774168	78.593	ug/l	98
36) 1,1-Dichloropropene	7.16	75	1158554	77.373	ug/l	99
37) Ethyl Acetate	6.19	43	474368	75.787	ug/l #	96
38) Carbon Tetrachloride	7.13	117	1762734	78.111	ug/l	94

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	1016704	79.850	ug/l	99
40) Benzene	7.46	78	2518345	76.425	ug/l	99
41) Methacrylonitrile	6.47	41	610841	77.320	ug/l #	94
42) 1,2-Dichloroethane	7.59	62	1305797	78.810	ug/l	100
43) Isopropyl Acetate	9.26	43	695757	82.794	ug/l #	100
44) Trichloroethene	8.56	130	1001986	79.534	ug/l	95
45) 1,2-Dichloropropane	8.95	63	637829	83.119	ug/l	99
46) Dibromomethane	9.08	93	502979	76.754	ug/l	91
47) Bromodichloromethane	9.38	83	1333299	79.319	ug/l	97
48) Methyl methacrylate	9.13	41	426542	74.845	ug/l	98
49) 1,4-Dioxane	9.10	88	76925	1586.255	ug/l #	89
51) 4-Methyl-2-Pentanone	10.32	43	2240543	389.644	ug/l	99
52) Toluene	10.53	92	1710522	80.594	ug/l	99
53) t-1,3-Dichloropropene	10.93	75	1046056	76.253	ug/l	97
54) cis-1,3-Dichloropropene	10.05	75	1254150	81.079	ug/l	97
55) 1,1,2-Trichloroethane	11.20	97	578719	80.721	ug/l	98
56) Ethyl methacrylate	11.06	69	631142	81.107	ug/l	97
57) 1,3-Dichloropropane	11.42	76	851840	78.604	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.88	63	1547966	376.802	ug/l	99
59) 2-Hexanone	11.54	43	1687412	403.298	ug/l	95
60) Dibromochloromethane	11.70	129	1064486	81.596	ug/l	99
61) 1,2-Dibromoethane	11.81	107	671922	77.418	ug/l	99
64) Tetrachloroethene	11.27	164	865870	77.760	ug/l	97
65) Chlorobenzene	12.41	112	2075485	76.772	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.52	131	910475	76.525	ug/l	92
67) Ethyl Benzene	12.53	91	3590782	76.389	ug/l	99
68) m/p-Xylenes	12.68	106	2487514	150.624	ug/l	98
69) o-Xylene	13.06	106	1209522	76.095	ug/l	100
70) Styrene	13.08	104	2115917	74.837	ug/l	97
71) Bromoform	13.24	173	644749	79.031	ug/l	96
73) Isopropylbenzene	13.41	105	3537455	76.131	ug/l	100
74) N-amyl acetate	13.27	43	876440	75.139	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.71	83	611087	79.234	ug/l	97
76) 1,2,3-Trichloropropane	13.73	75	684117	81.598	ug/l	97
77) Bromobenzene	13.68	156	963620	75.880	ug/l	99
78) n-propylbenzene	13.78	91	4267157	78.489	ug/l	99
79) 2-Chlorotoluene	13.84	91	2475847	78.993	ug/l	99
80) 1,3,5-Trimethylbenzene	13.94	105	3183061	78.403	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.48	75	183631	81.490	ug/l	98
82) 4-Chlorotoluene	13.95	91	2971606	78.835	ug/l	100
83) tert-Butylbenzene	14.20	119	3407474	79.703	ug/l	98
84) 1,2,4-Trimethylbenzene	14.25	105	2857823	76.078	ug/l	96
85) sec-Butylbenzene	14.37	105	3699010	81.473	ug/l	99
86) p-Isopropyltoluene	14.49	119	3455233	79.594	ug/l	99
87) 1,3-Dichlorobenzene	14.46	146	1762868	76.745	ug/l	100
88) 1,4-Dichlorobenzene	14.54	146	1652953	75.003	ug/l	99
89) n-Butylbenzene	14.81	91	3057214	77.163	ug/l	97
90) Hexachloroethane	15.01	117	907962	83.214	ug/l	97
91) 1,2-Dichlorobenzene	14.82	146	1492273	76.571	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.39	75	121601	83.736	ug/l	82

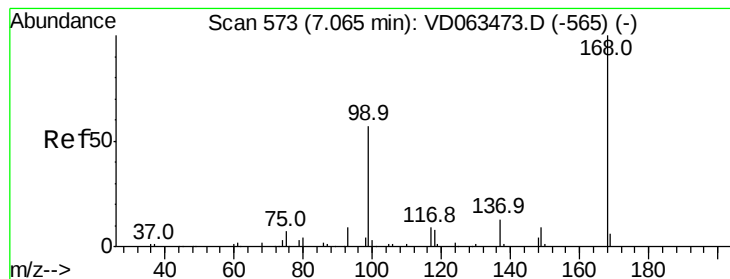
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080919\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	1283446	89.499	ug/l	95
94) Hexachlorobutadiene	16.04	225	864844	79.131	ug/l	95
95) Naphthalene	16.13	128	1667987	76.750	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	891764	76.992	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. -0.00 min

Lab File: VD063474.D

Acq: 9 Aug 2019 15:23

Instrument :

MSVOA_D

ClientSampleId :

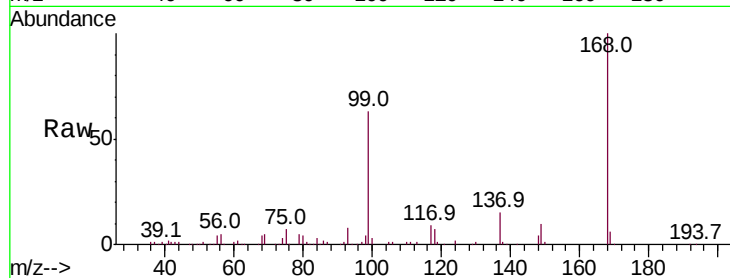
VSTDIC075

Tot Ion:168 Resp: 1219343

Ion Ratio Lower Upper

168 100

99 62.8 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

400000

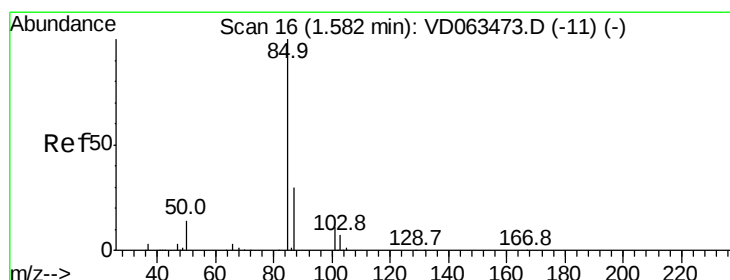
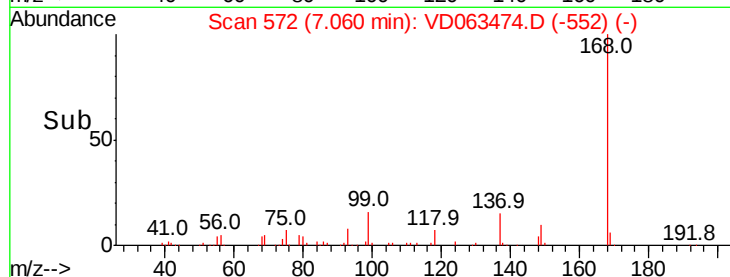
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 74.143 ug/l

RT: 1.58 min Scan# 15

Delta R.T. -0.00 min

Lab File: VD063474.D

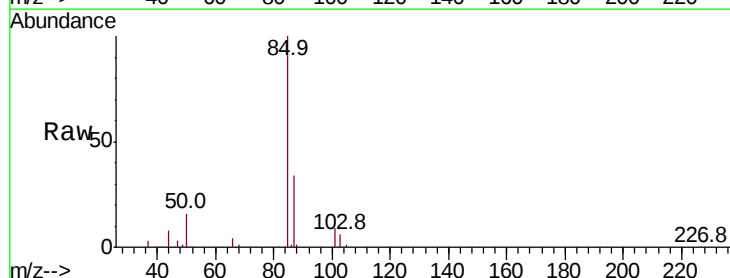
Acq: 9 Aug 2019 15:23

Tgt Ion: 85 Resp: 1095483

Ion Ratio Lower Upper

85 100

87 34.5 15.0 45.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.58

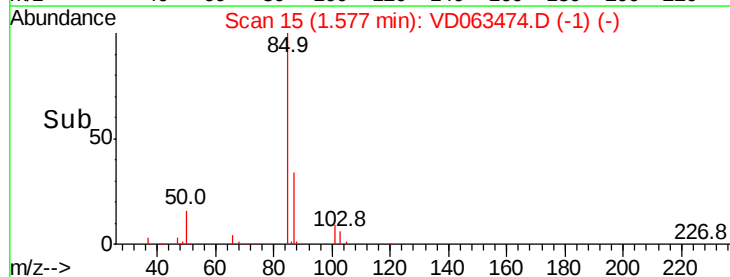
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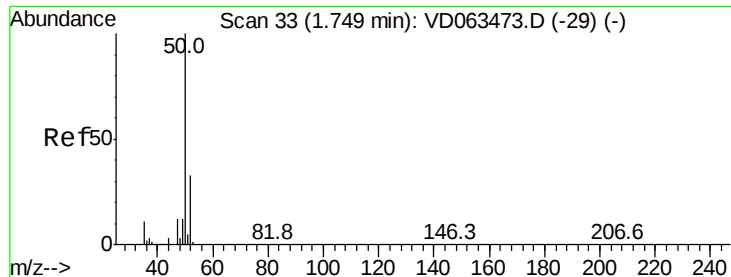
400000

200000

0

Time-->





#3

Chloromethane

Concen: 74.773 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.01 min

Lab File: VD063474.D

Acq: 9 Aug 2019 15:23

Instrument :

MSVOA_D

ClientSampleId :

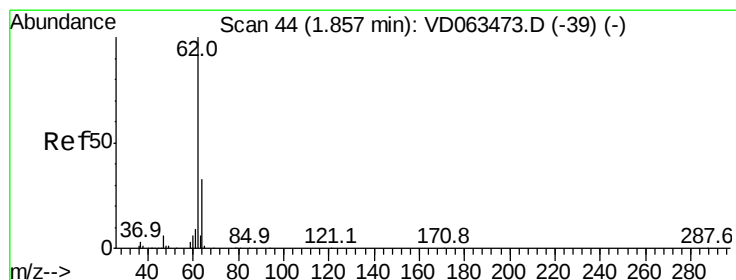
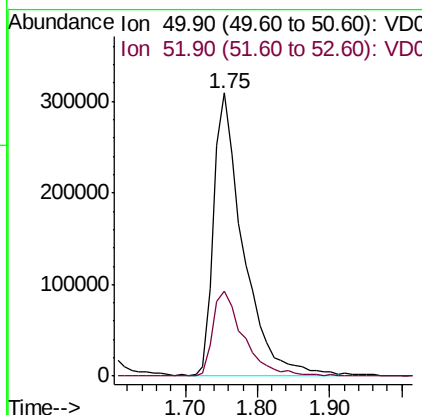
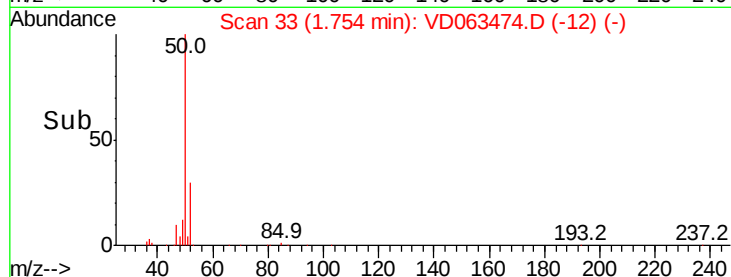
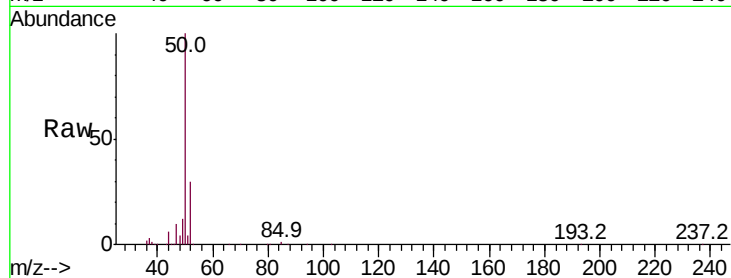
VSTDIC075

Tot Ion: 50 Resp: 863210

Ion Ratio Lower Upper

50 100

52 30.1 26.6 40.0



#4

Vinyl Chloride

Concen: 78.114 ug/l

RT: 1.85 min Scan# 43

Delta R.T. -0.00 min

Lab File: VD063474.D

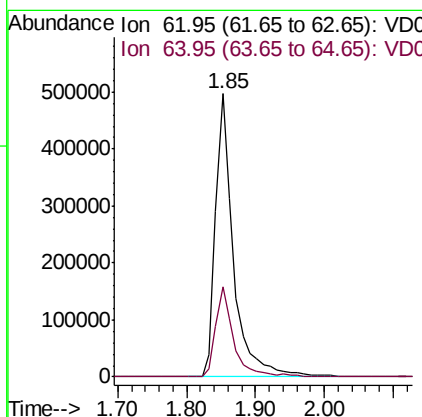
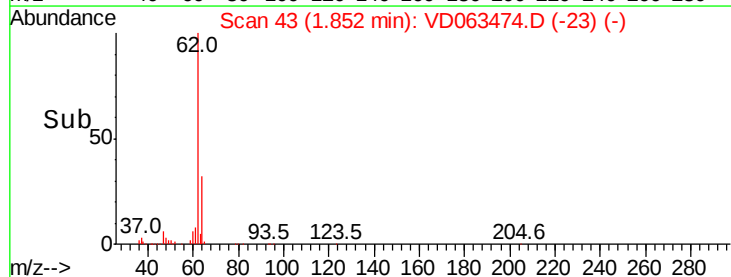
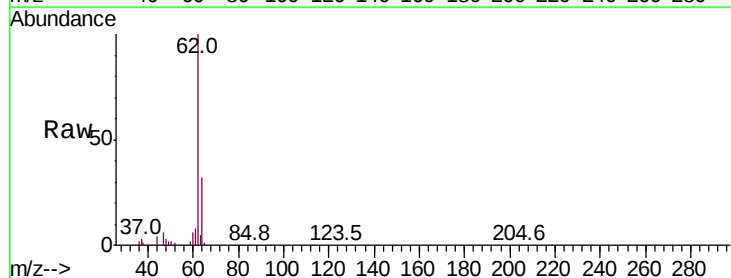
Acq: 9 Aug 2019 15:23

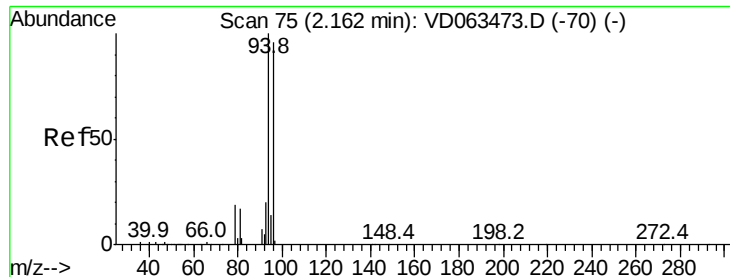
Tgt Ion: 62 Resp: 895096

Ion Ratio Lower Upper

62 100

64 31.7 26.4 39.6





#5

Bromomethane

Concen: 74.954 ug/l

RT: 2.16 min Scan# 74

Delta R.T. -0.00 min

Lab File: VD063474.D

Acq: 9 Aug 2019 15:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

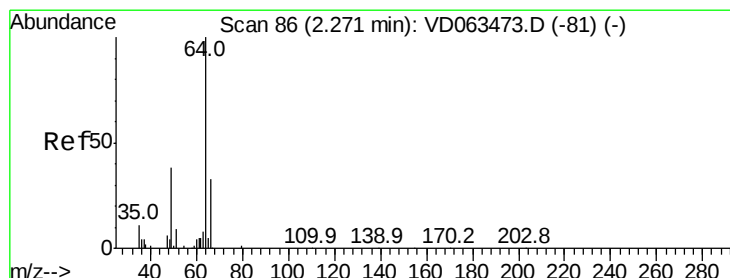
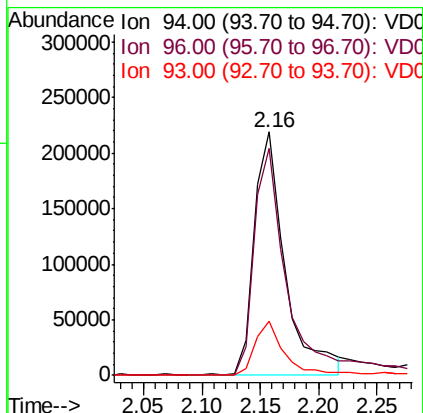
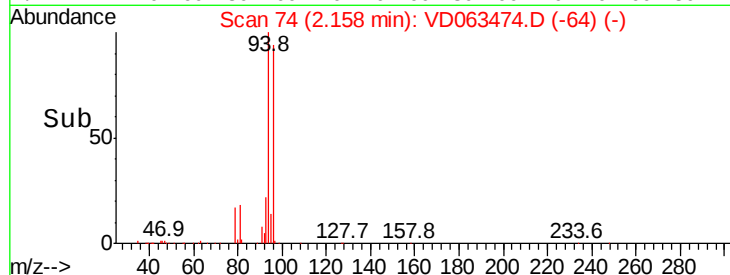
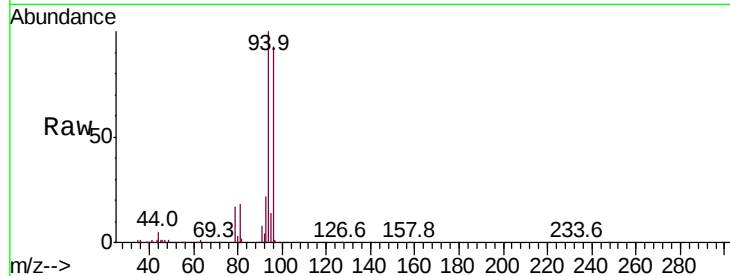
Tot Ion: 94 Resp: 403133

Ion Ratio Lower Upper

94 100

96 93.5 76.5 114.7

93 22.4 15.8 23.8



#6

Chloroethane

Concen: 78.333 ug/l

RT: 2.27 min Scan# 85

Delta R.T. -0.00 min

Lab File: VD063474.D

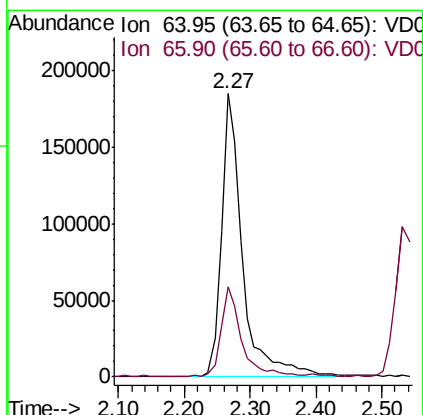
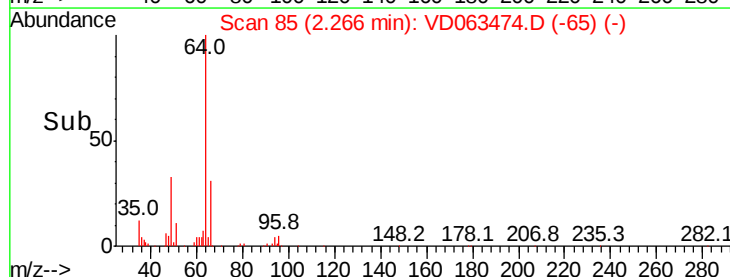
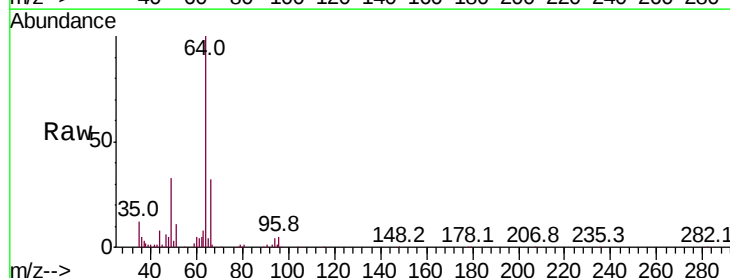
Acq: 9 Aug 2019 15:23

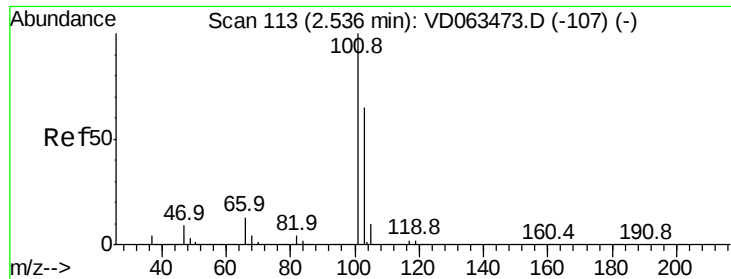
Tgt Ion: 64 Resp: 410500

Ion Ratio Lower Upper

64 100

66 31.8 26.3 39.5



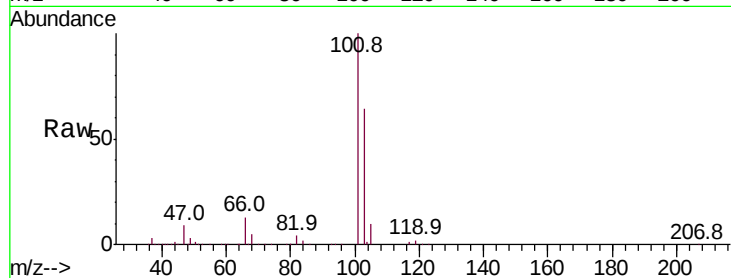


#7

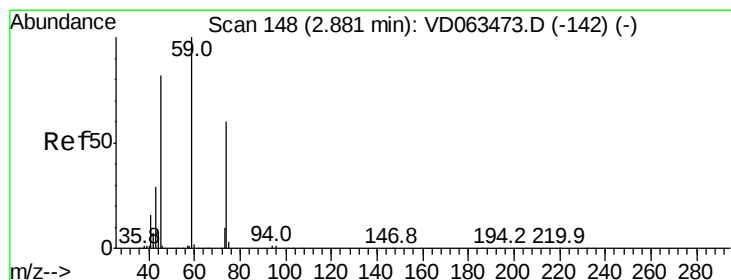
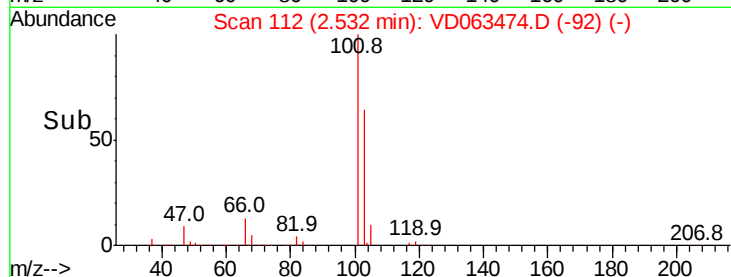
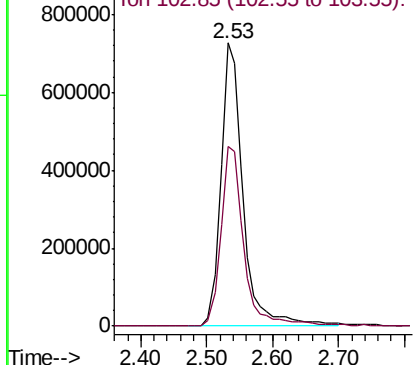
Trichlorofluoromethane
 Concen: 75.678 ug/l
 RT: 2.53 min Scan# 112
 Delta R.T. -0.00 min
 Lab File: VD063474.D
 Acq: 9 Aug 2019 15:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion:101 Resp: 1701070
 Ion Ratio Lower Upper
 101 100
 103 63.6 52.2 78.4



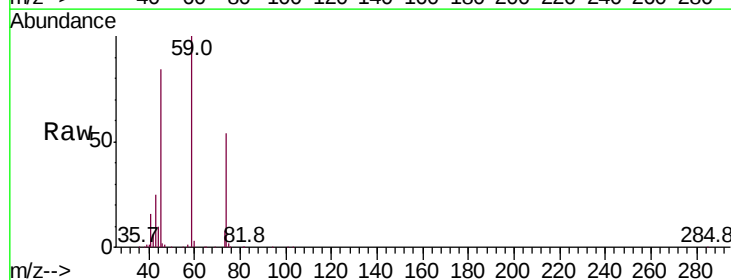
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



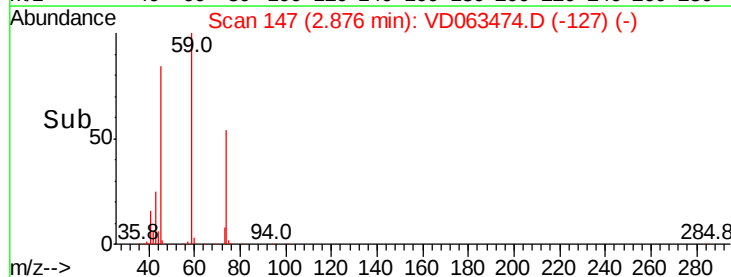
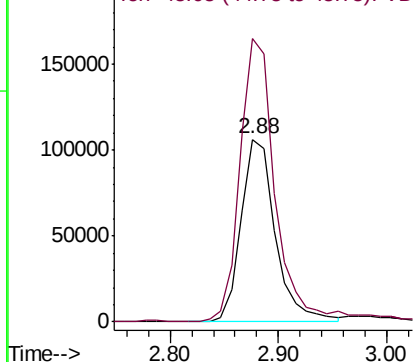
#8

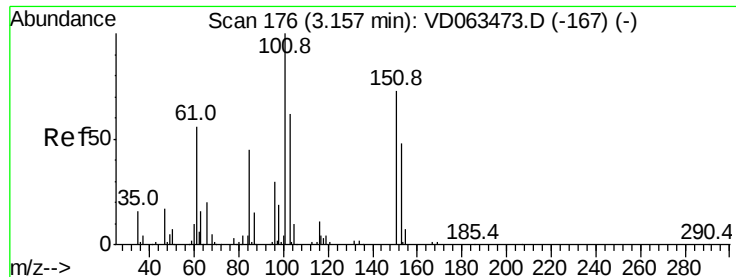
Diethyl Ether
 Concen: 73.954 ug/l
 RT: 2.88 min Scan# 147
 Delta R.T. -0.00 min
 Lab File: VD063474.D
 Acq: 9 Aug 2019 15:23

Tgt Ion: 74 Resp: 234708
 Ion Ratio Lower Upper
 74 100
 45 155.1 68.5 205.5



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 75.068 ug/l

RT: 3.15 min Scan# 175

Delta R.T. -0.00 min

Lab File: VD063474.D

Acq: 9 Aug 2019 15:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

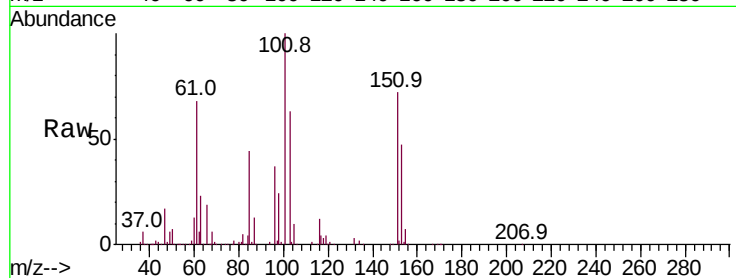
Tot Ion:101 Resp: 996346

Ion Ratio Lower Upper

101 100

85 43.5 35.8 53.6

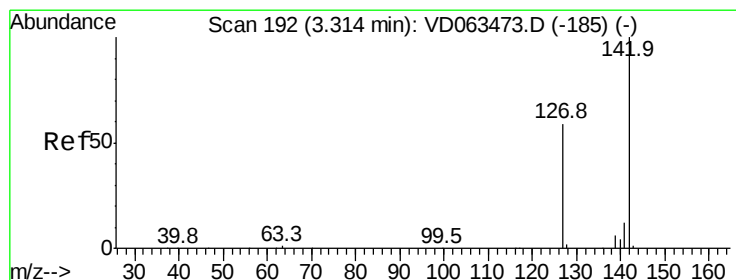
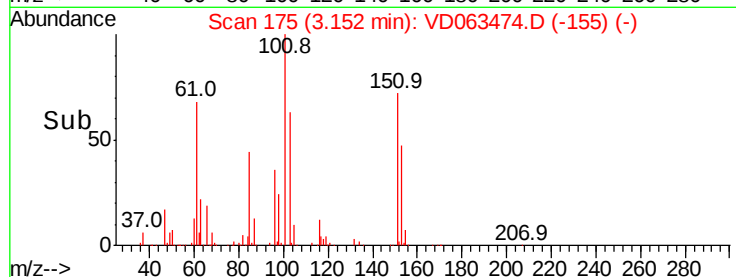
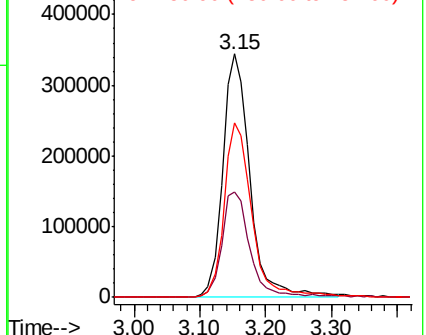
151 71.8 58.6 88.0



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: 84.251 ug/l

RT: 3.31 min Scan# 191

Delta R.T. -0.00 min

Lab File: VD063474.D

Acq: 9 Aug 2019 15:23

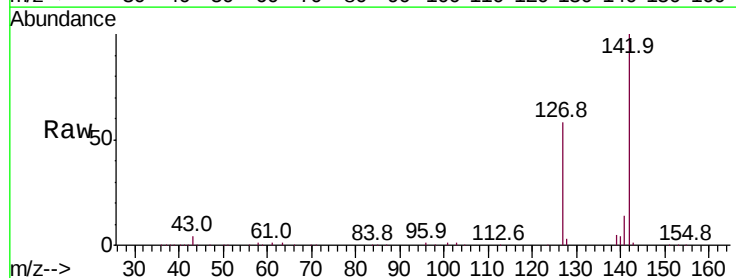
Tgt Ion:142 Resp: 1581951

Ion Ratio Lower Upper

142 100

127 57.6 47.2 70.8

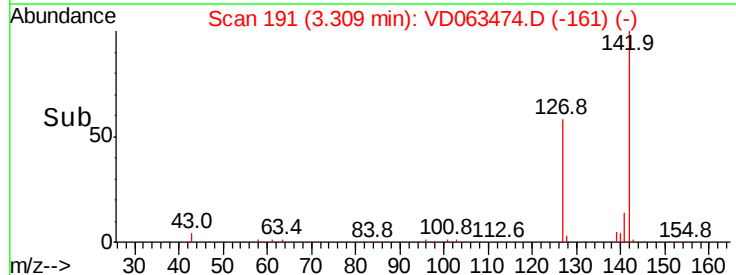
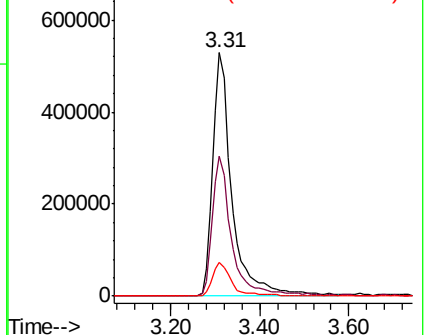
141 13.9 9.8 14.8

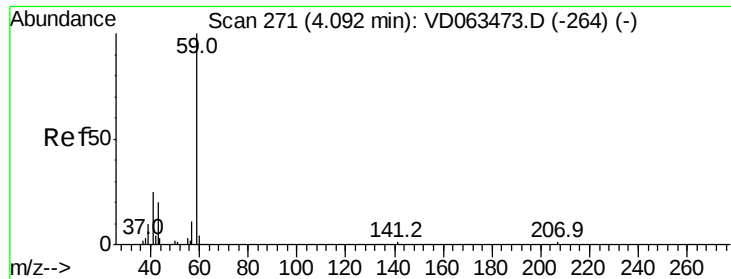


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



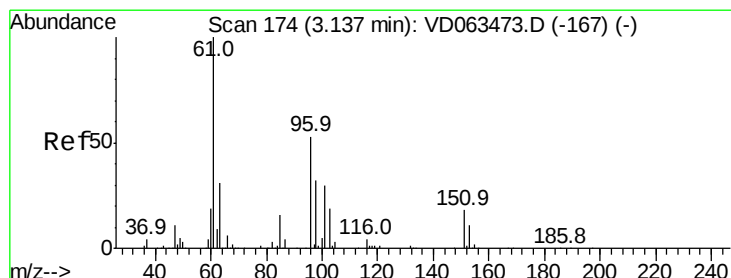
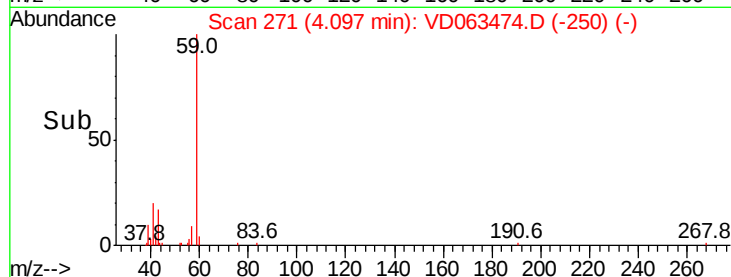
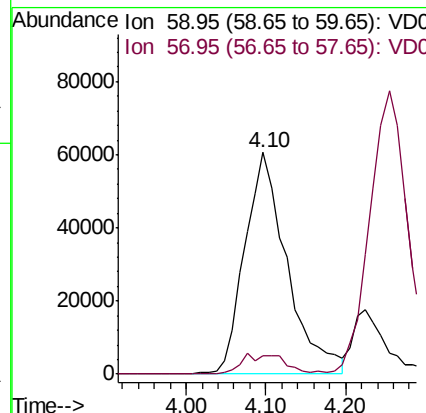
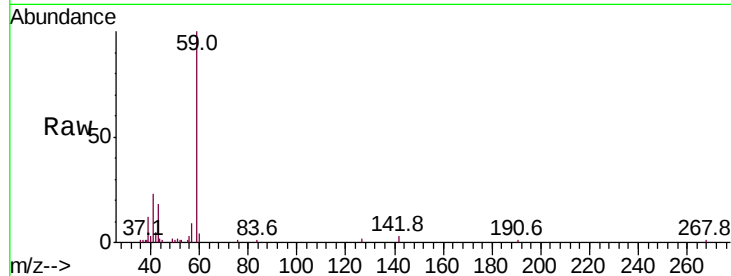


#11

Tert butyl alcohol
 Concen: 392.595 ug/l
 RT: 4.10 min Scan# 271
 Delta R.T. 0.01 min
 Lab File: VD063474.D
 Acq: 9 Aug 2019 15:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

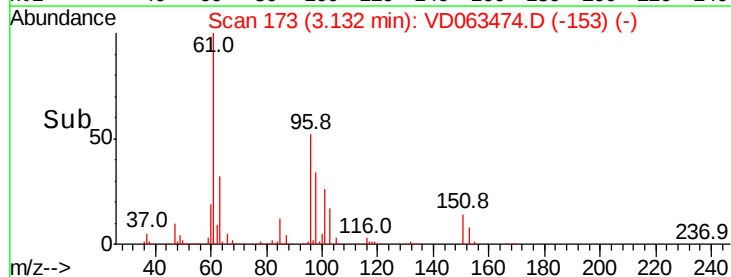
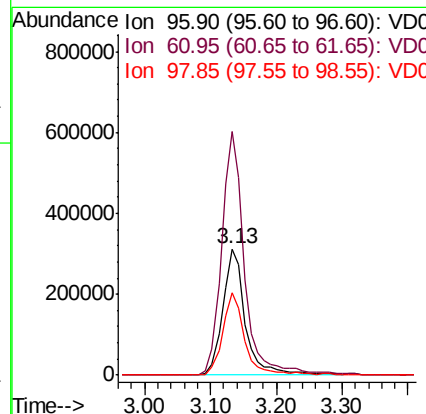
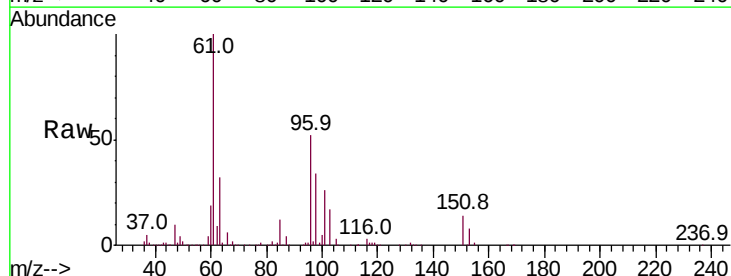
Tot Ion: 59 Resp: 223089
 Ion Ratio Lower Upper
 59 100
 57 8.5 8.7 13.1#

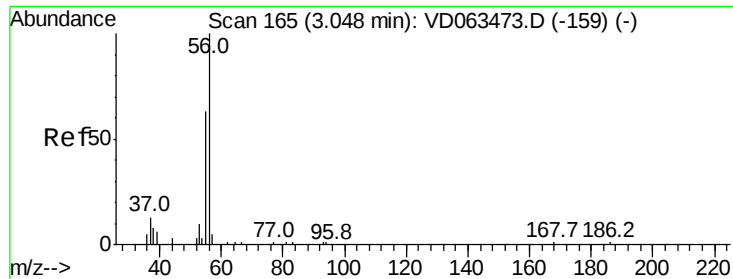


#12

1,1-Dichloroethene
 Concen: 75.194 ug/l
 RT: 3.13 min Scan# 173
 Delta R.T. -0.00 min
 Lab File: VD063474.D
 Acq: 9 Aug 2019 15:23

Tgt Ion: 96 Resp: 741496
 Ion Ratio Lower Upper
 96 100
 61 193.4 151.7 227.5
 98 65.2 48.4 72.6

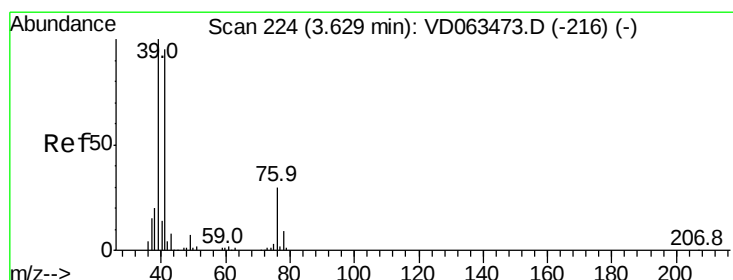
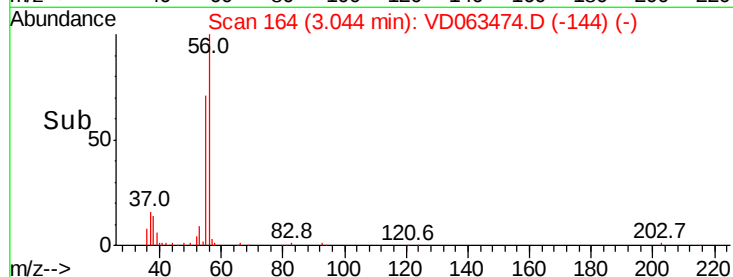
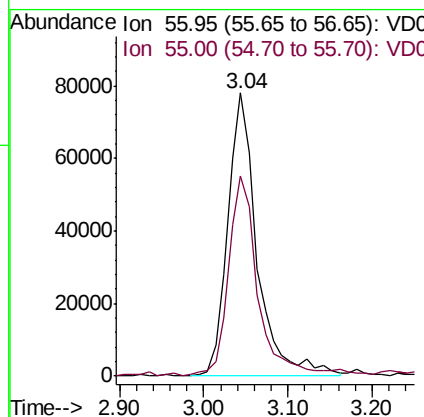
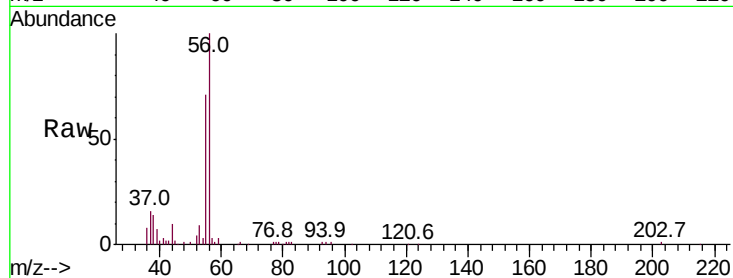




#13
Acrolein
Concen: 337.701 ug/l
RT: 3.04 min Scan# 164
Delta R.T. -0.00 min
Lab File: VD063474.D
Acq: 9 Aug 2019 15:23

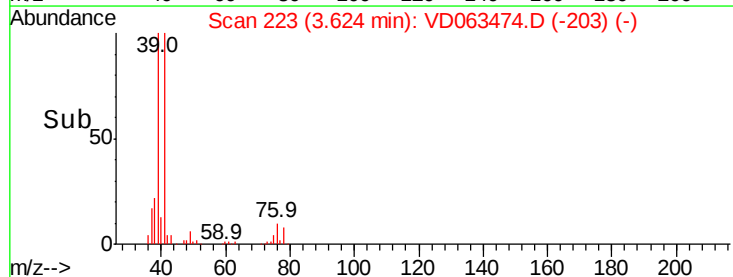
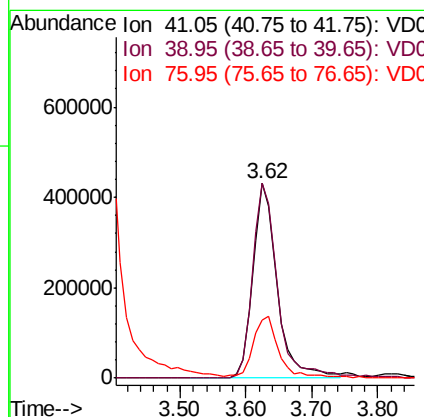
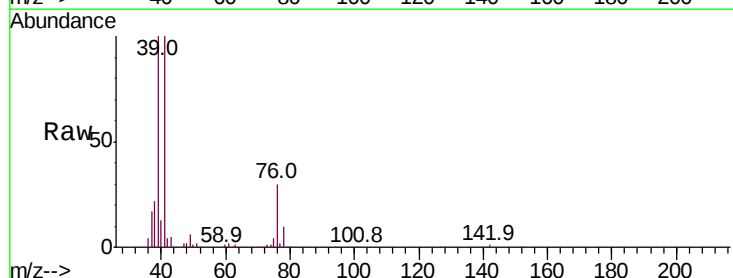
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

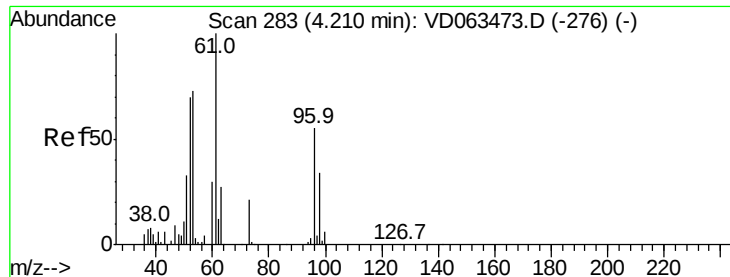
Tot Ion: 56 Resp: 188908
Ion Ratio Lower Upper
56 100
55 70.7 51.3 76.9



#14
Allyl chloride
Concen: 75.583 ug/l
RT: 3.62 min Scan# 223
Delta R.T. -0.00 min
Lab File: VD063474.D
Acq: 9 Aug 2019 15:23

Tgt Ion: 41 Resp: 1119696
Ion Ratio Lower Upper
41 100
39 100.1 84.2 126.4
76 29.7 26.0 39.0





#15

Acrylonitrile

Concen: 379.712 ug/l

RT: 4.22 min Scan# 283

Delta R.T. 0.01 min

Lab File: VD063474.D

Acq: 9 Aug 2019 15:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

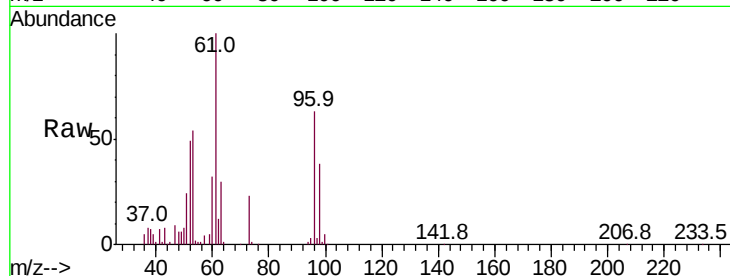
Tot Ion: 53 Resp: 571507

Ion Ratio Lower Upper

53 100

52 89.6 77.4 116.0

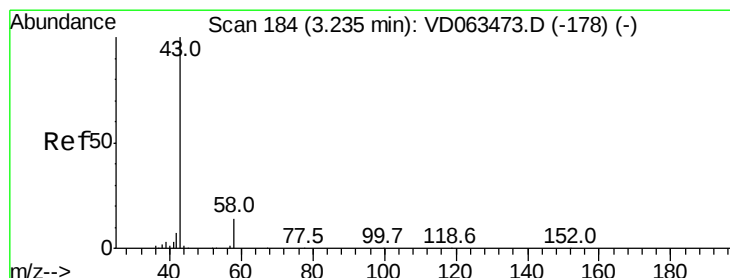
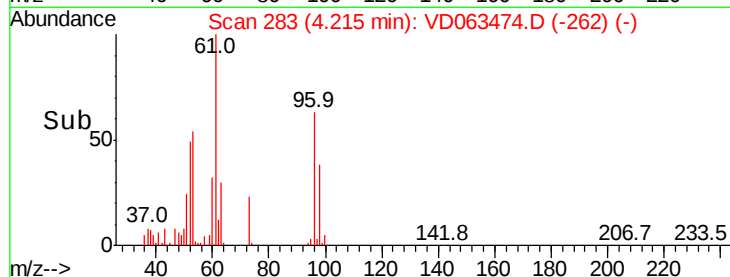
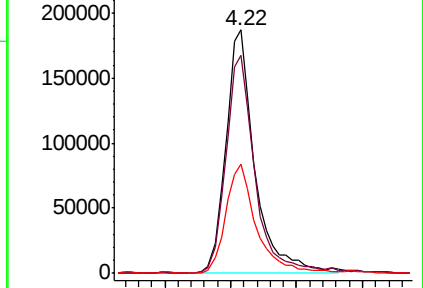
51 44.9 36.7 55.1



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: 407.453 ug/l

RT: 3.23 min Scan# 183

Delta R.T. -0.00 min

Lab File: VD063474.D

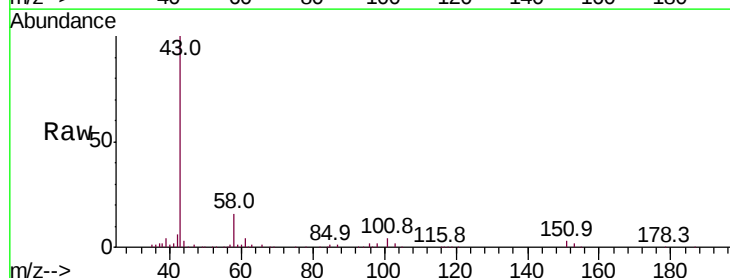
Acq: 9 Aug 2019 15:23

Tgt Ion: 43 Resp: 1087645

Ion Ratio Lower Upper

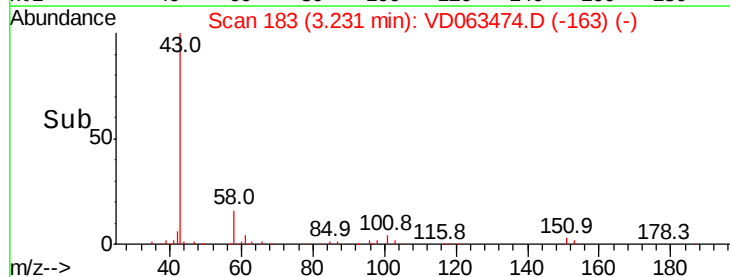
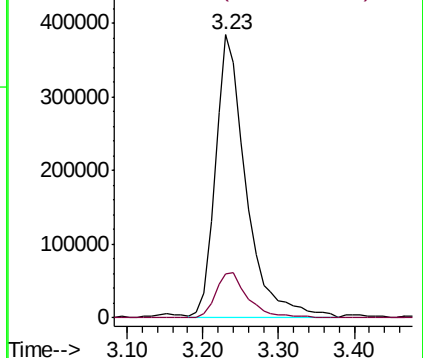
43 100

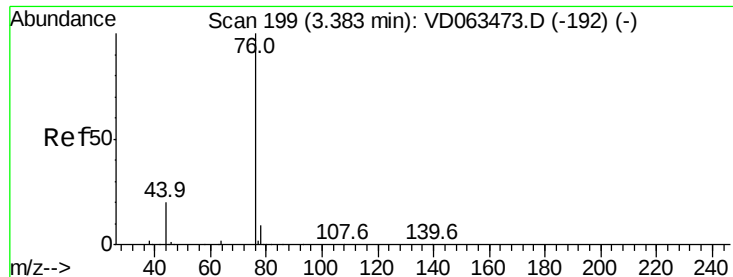
58 15.7 11.4 17.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

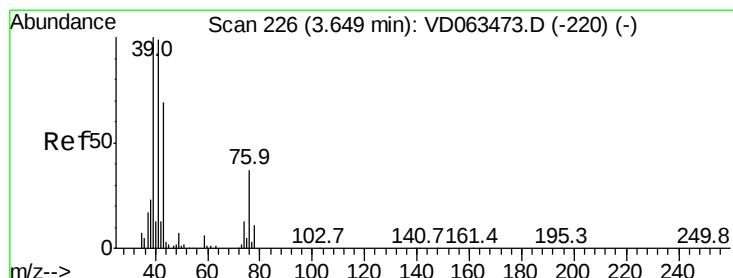
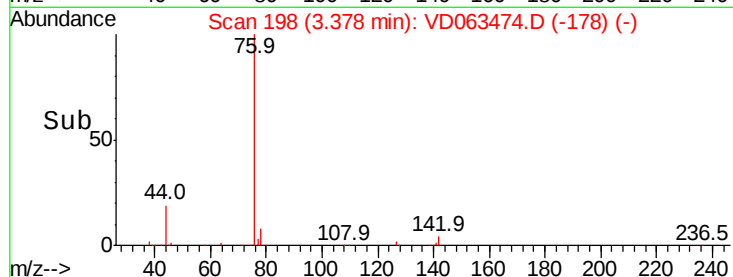
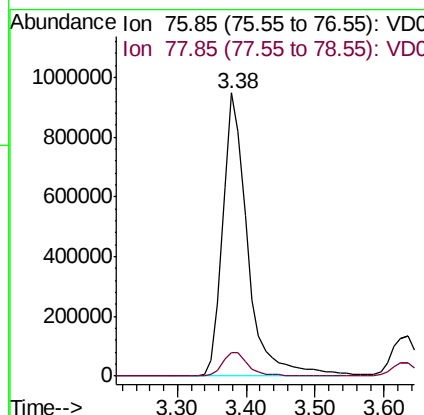
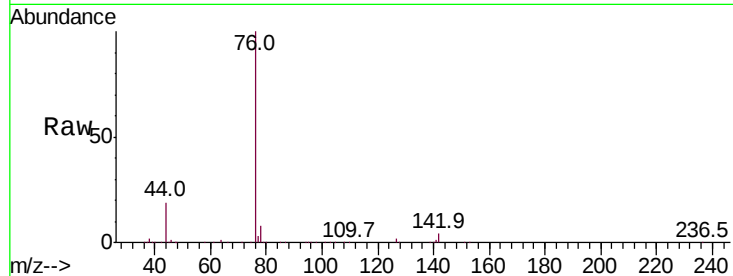




#17
Carbon Disulfide
Concen: 76.350 ug/l
RT: 3.38 min Scan# 198
Delta R.T. -0.00 min
Lab File: VD063474.D
Acq: 9 Aug 2019 15:23

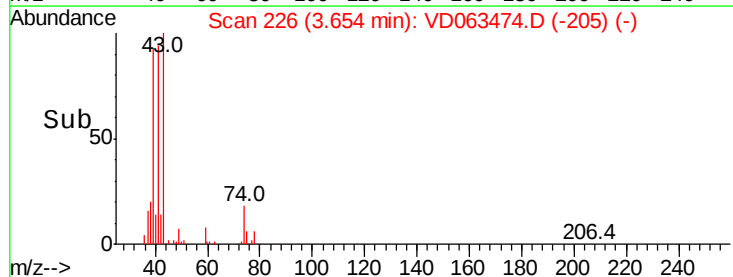
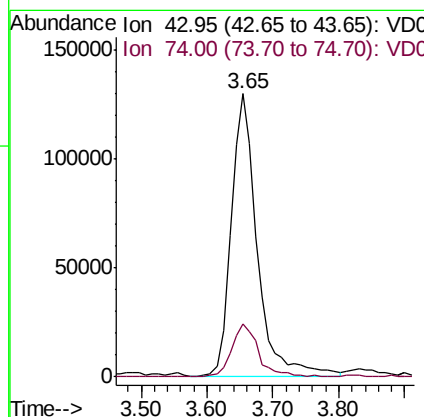
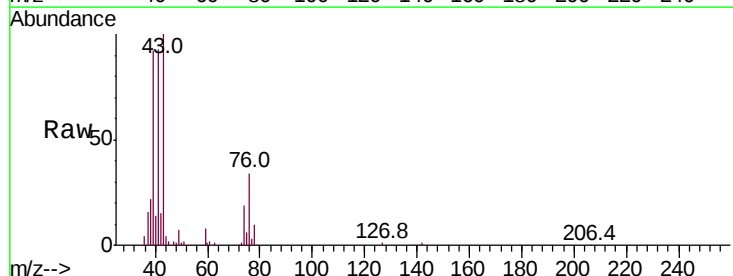
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

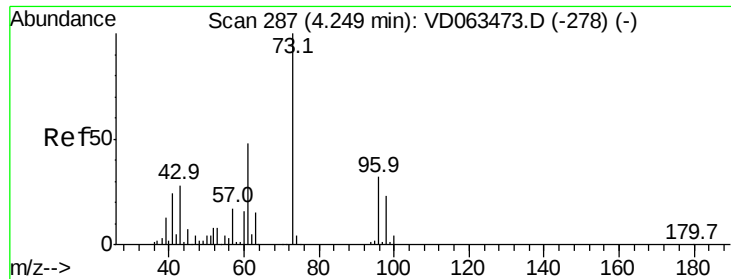
Tot Ion: 76 Resp: 2377054
Ion Ratio Lower Upper
76 100
78 8.1 7.4 11.0



#18
Methyl Acetate
Concen: 70.622 ug/l
RT: 3.65 min Scan# 226
Delta R.T. 0.01 min
Lab File: VD063474.D
Acq: 9 Aug 2019 15:23

Tgt Ion: 43 Resp: 354999
Ion Ratio Lower Upper
43 100
74 18.6 15.4 23.2

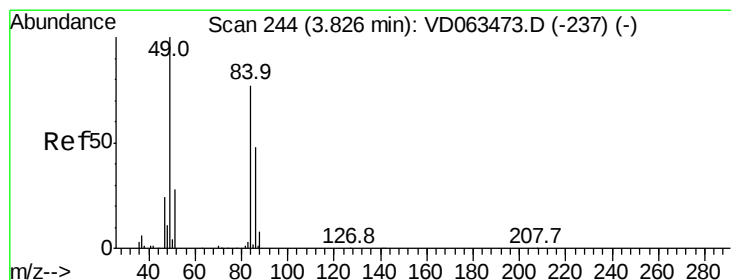
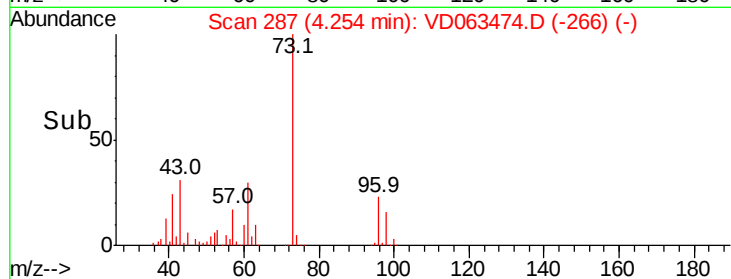
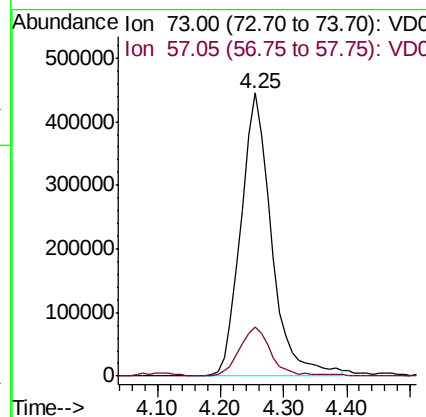
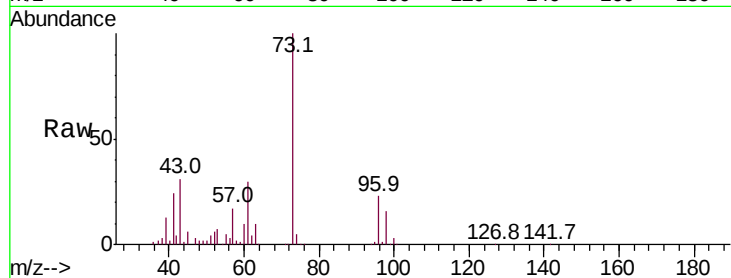




#19
Methvl tert-butvl Ether
Concen: 76.092 ug/l
RT: 4.25 min Scan# 287
Delta R.T. 0.01 min
Lab File: VD063474.D
Acq: 9 Aug 2019 15:23

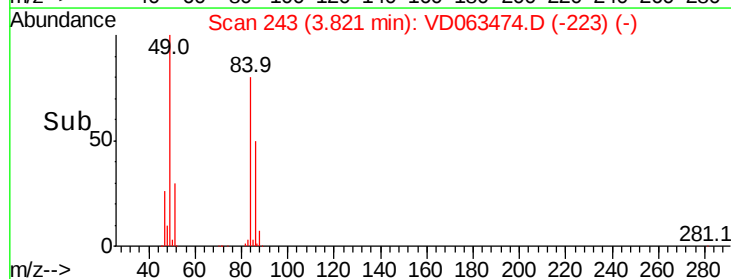
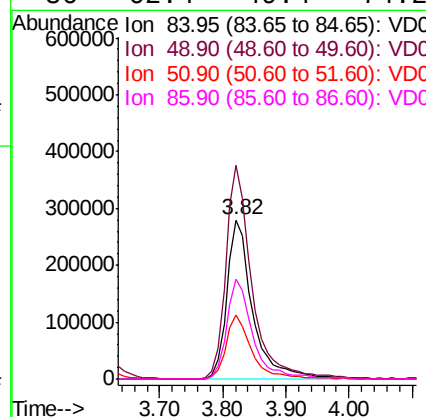
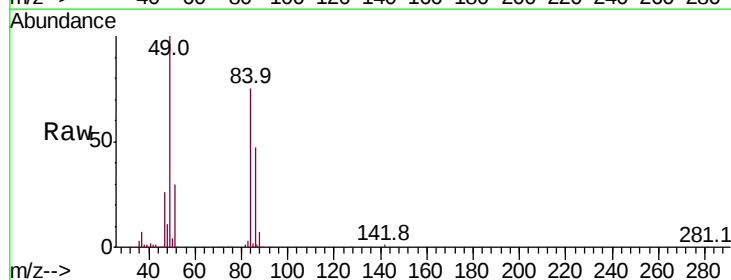
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

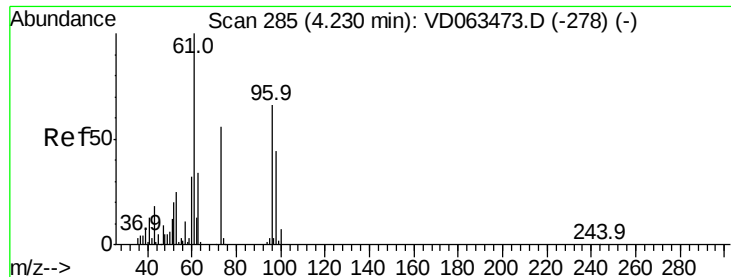
Tot Ion: 73 Resp: 1501577
Ion Ratio Lower Upper
73 100
57 17.4 14.0 21.0



#20
Methylene Chloride
Concen: 68.996 ug/l
RT: 3.82 min Scan# 243
Delta R.T. -0.00 min
Lab File: VD063474.D
Acq: 9 Aug 2019 15:23

Tgt Ion: 84 Resp: 791824
Ion Ratio Lower Upper
84 100
49 134.1 103.4 155.2
51 40.3 28.5 42.7
86 62.4 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 79.184 ug/l

RT: 4.22 min Scan# 284

Delta R.T. -0.00 min

Lab File: VD063474.D

Acq: 9 Aug 2019 15:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

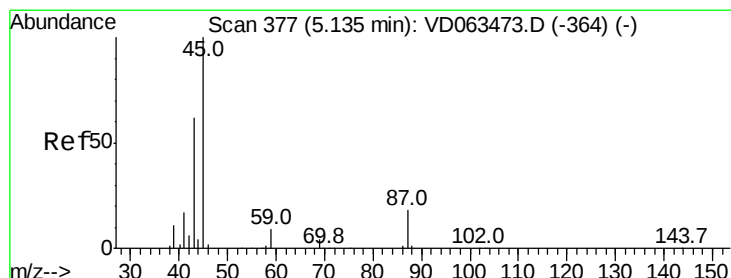
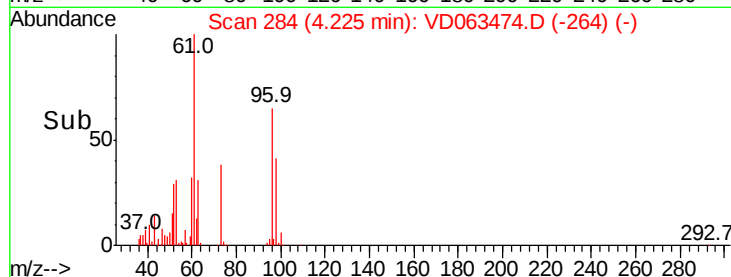
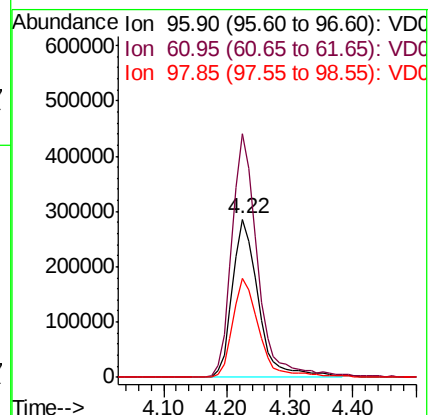
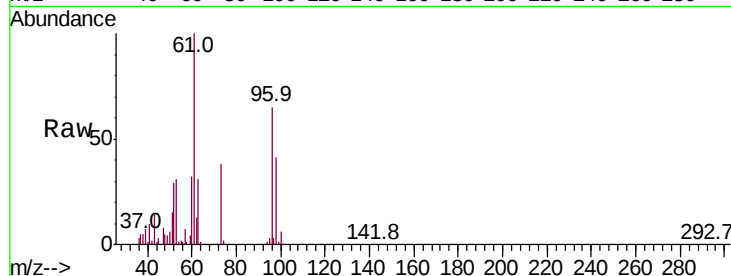
Tot Ion: 96 Resp: 822207

Ion Ratio Lower Upper

96 100

61 154.2 121.7 182.5

98 62.9 54.2 81.2



#22

Diisopropyl ether

Concen: 78.602 ug/l

RT: 5.14 min Scan# 377

Delta R.T. 0.01 min

Lab File: VD063474.D

Acq: 9 Aug 2019 15:23

Tgt Ion: 45 Resp: 2404718

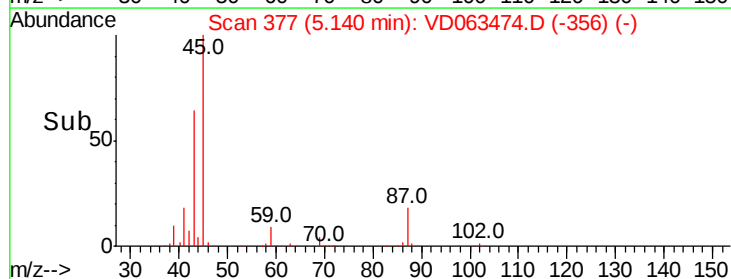
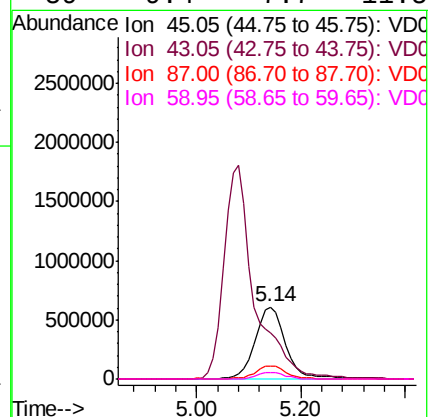
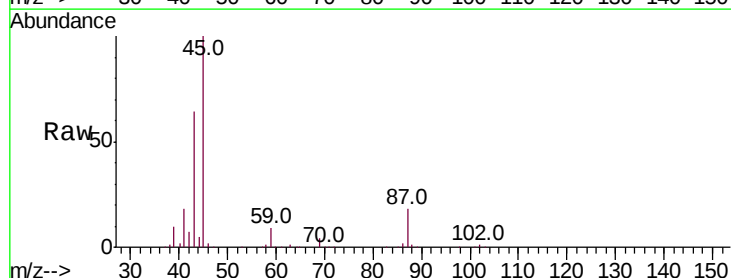
Ion Ratio Lower Upper

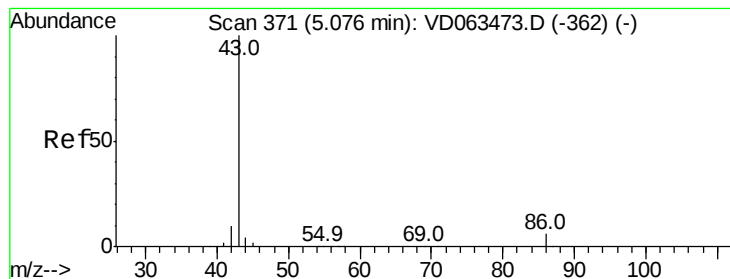
45 100

43 63.5 50.3 75.5

87 18.1 14.3 21.5

59 9.4 7.7 11.5





#23

Vinyl Acetate

Concen: 402.618 ug/l

RT: 5.08 min Scan# 371

Delta R.T. 0.01 min

Lab File: VD063474.D

Acq: 9 Aug 2019 15:23

Instrument :

MSVOA_D

ClientSampleId :

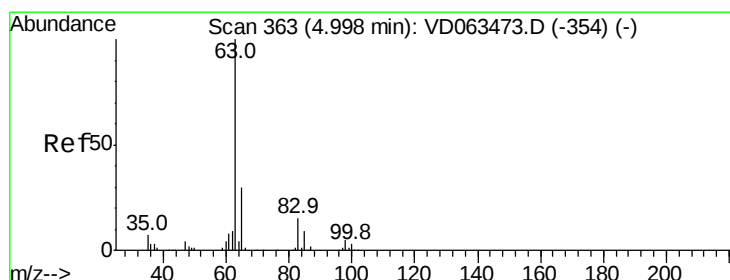
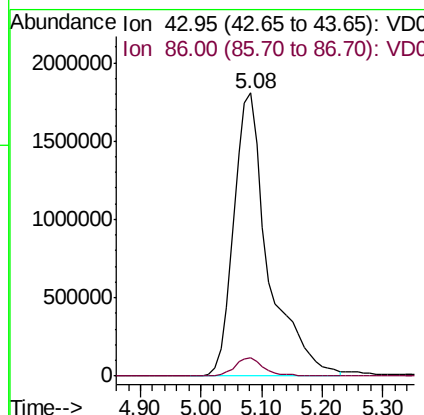
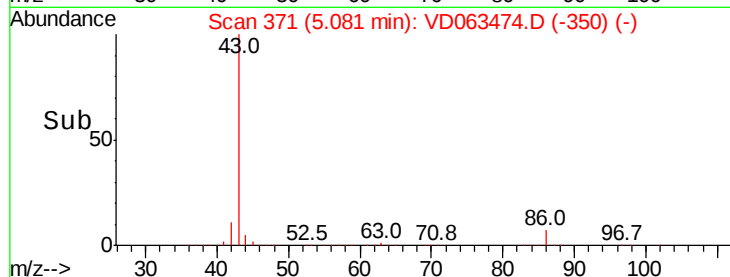
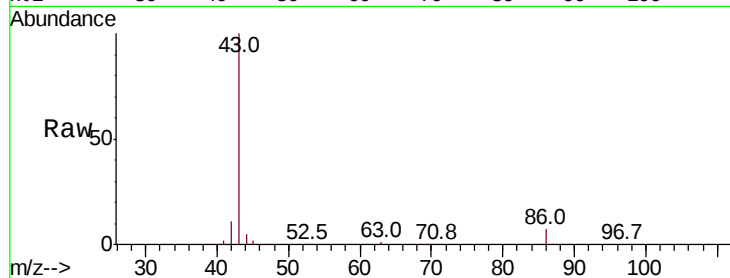
VSTDIC075

Tot Ion: 43 Resp: 7155284

Ion Ratio Lower Upper

43 100

86 6.5 4.8 7.2



#24

1,1-Dichloroethane

Concen: 78.054 ug/l

RT: 5.00 min Scan# 363

Delta R.T. 0.01 min

Lab File: VD063474.D

Acq: 9 Aug 2019 15:23

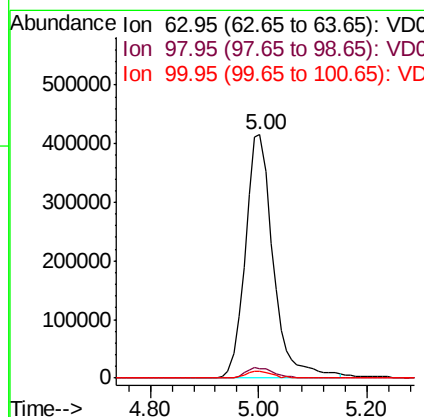
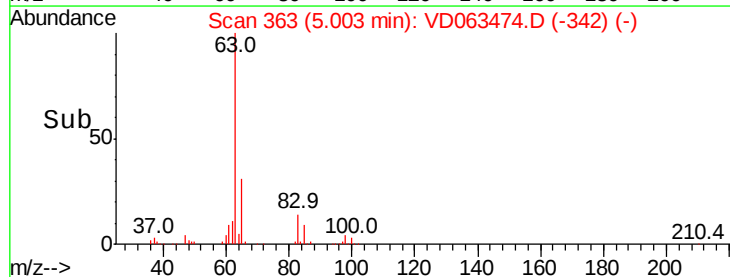
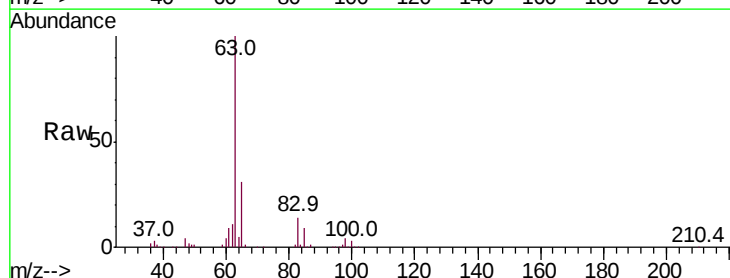
Tgt Ion: 63 Resp: 1481848

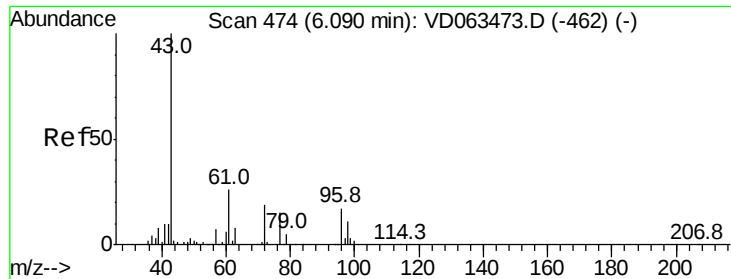
Ion Ratio Lower Upper

63 100

98 4.0 2.4 7.2

100 2.6 1.3 3.8





#25

2-Butanone

Concen: 414.346 ug/l

RT: 6.09 min Scan# 473

Delta R.T. -0.00 min

Lab File: VD063474.D

Acq: 9 Aug 2019 15:23

Instrument :

MSVOA_D

ClientSampleId :

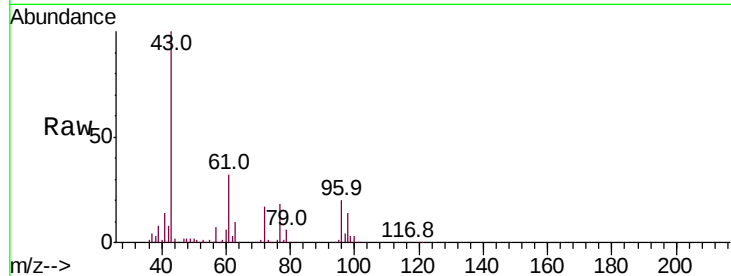
VSTDIC075

Tot Ion: 43 Resp: 1085772

Ion Ratio Lower Upper

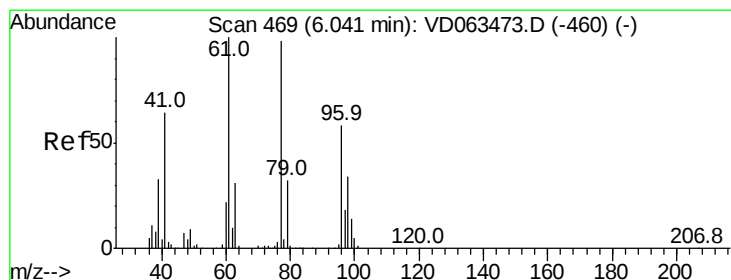
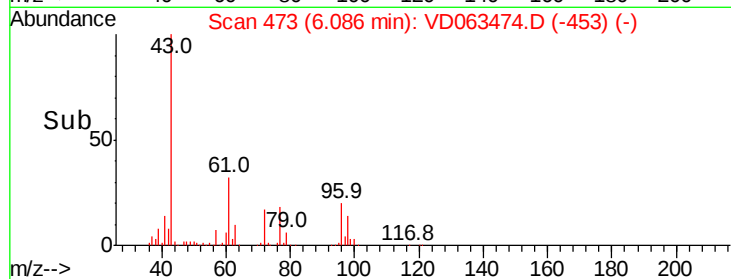
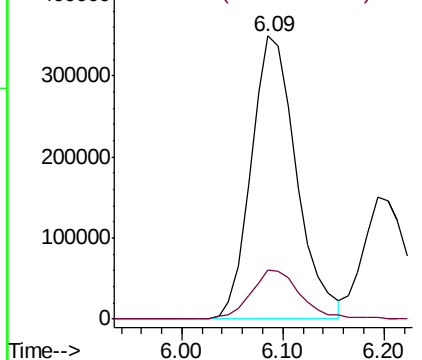
43 100

72 17.3 15.1 22.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 76.053 ug/l

RT: 6.05 min Scan# 469

Delta R.T. 0.01 min

Lab File: VD063474.D

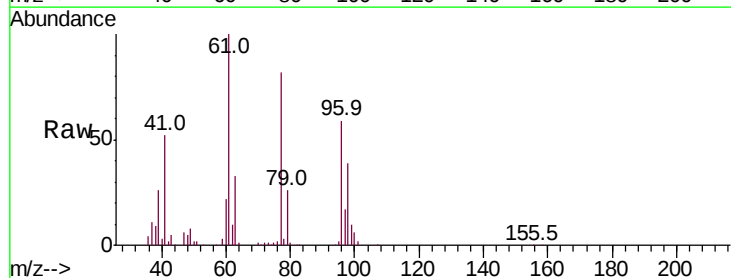
Acq: 9 Aug 2019 15:23

Tgt Ion: 77 Resp: 1438171

Ion Ratio Lower Upper

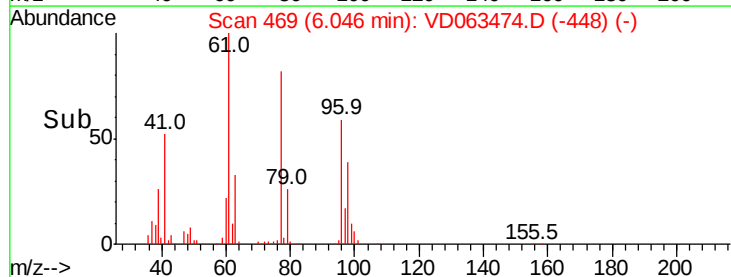
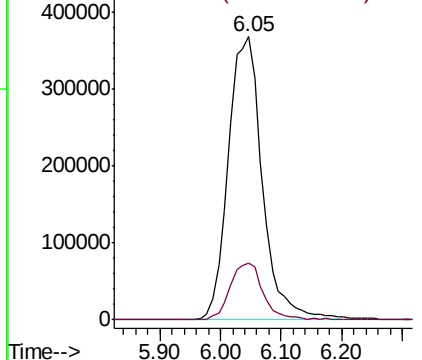
77 100

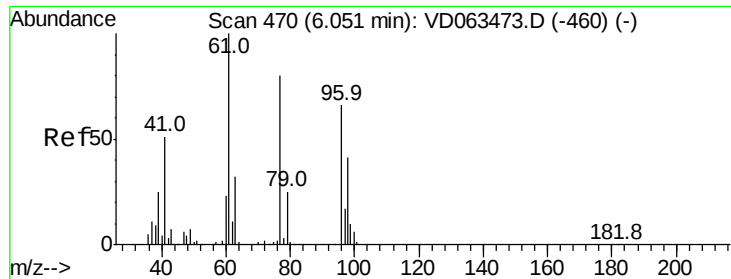
97 20.2 9.0 27.1



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: 77.356 ug/l

RT: 6.06 min Scan# 470

Delta R.T. 0.01 min

Lab File: VD063474.D

Acq: 9 Aug 2019 15:23

Instrument :

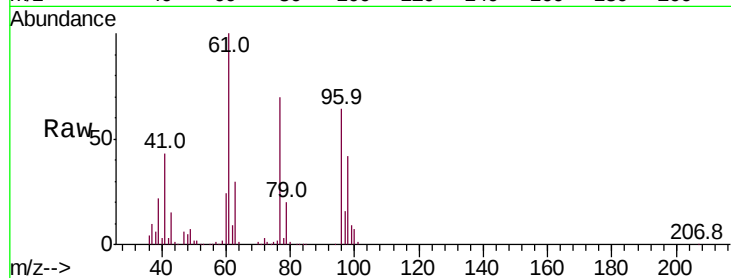
MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 96 Resp: 878816

Ion	Ratio	Lower	Upper
96	100		
61	156.9	0.0	304.0
98	66.2	0.0	124.8



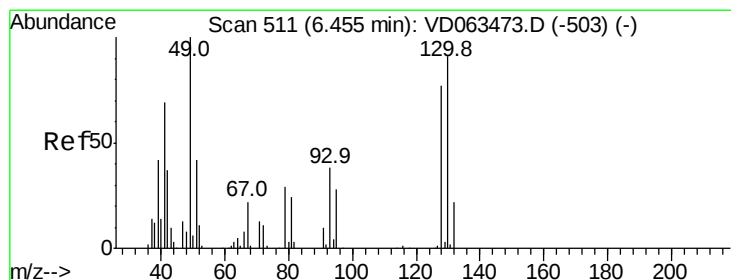
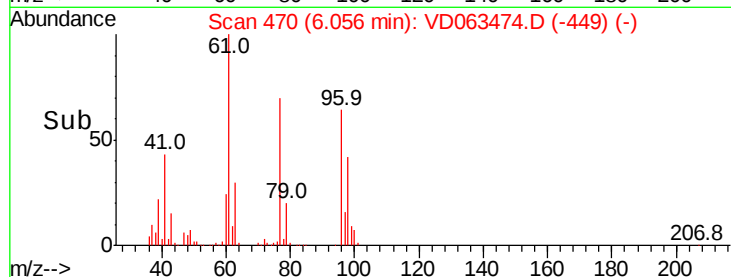
Abundance

Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC

Time-->



#28

Bromochloromethane

Concen: 75.138 ug/l

RT: 6.45 min Scan# 510

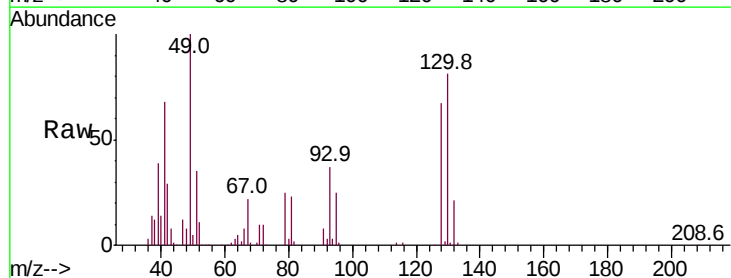
Delta R.T. -0.00 min

Lab File: VD063474.D

Acq: 9 Aug 2019 15:23

Tgt Ion: 49 Resp: 578168

Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	6.4
130	81.1	72.4	108.6



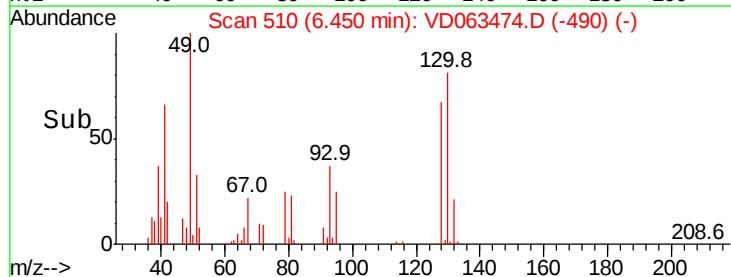
Abundance

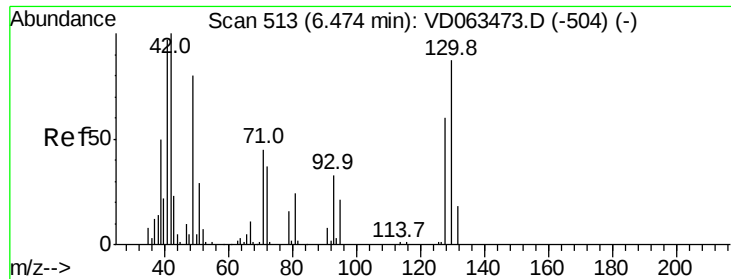
Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

Time-->

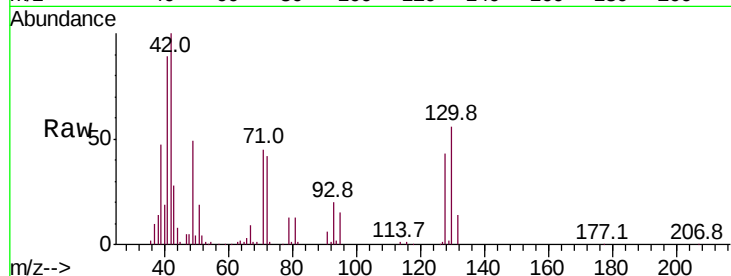




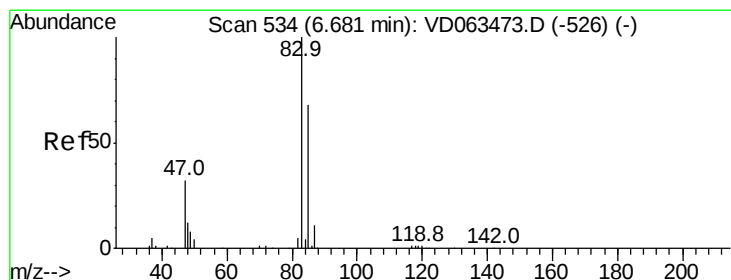
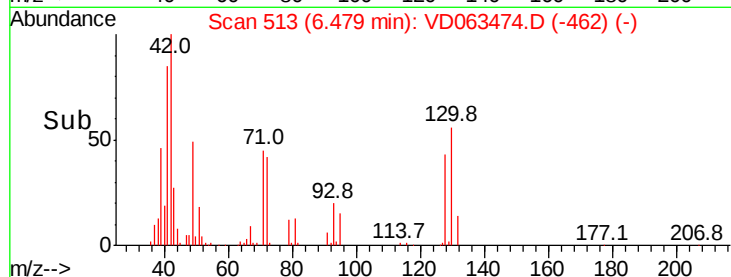
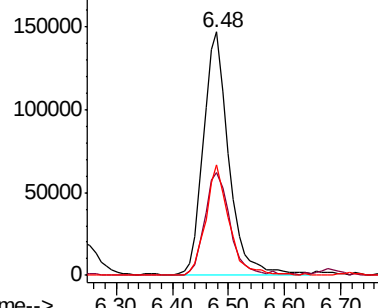
#29
Tetrahydrofuran
Concen: 380.554 ug/l
RT: 6.48 min Scan# 513
Delta R.T. 0.01 min
Lab File: VD063474.D
Acq: 9 Aug 2019 15:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.4	31.5	47.3
71	41.5	33.8	50.8

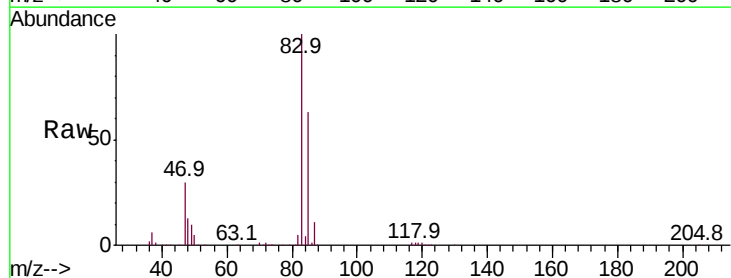


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

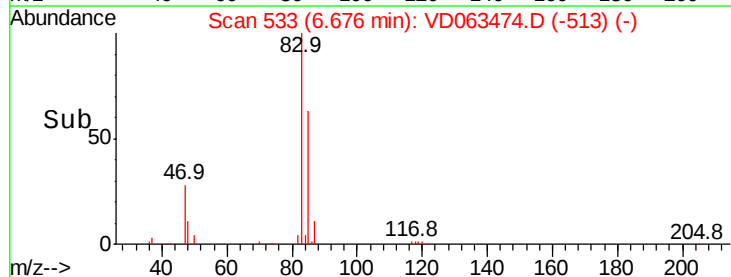
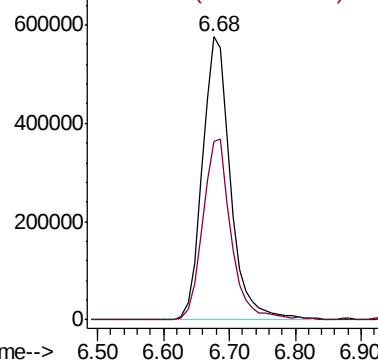


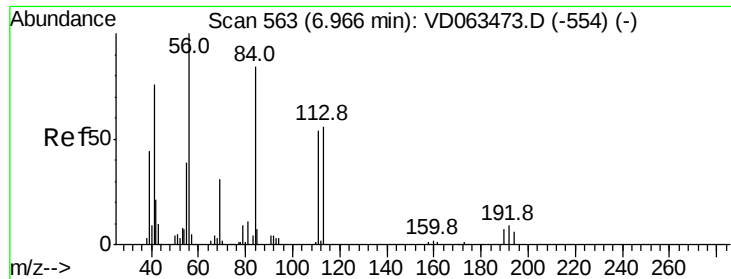
#30
Chloroform
Concen: 73.212 ug/l
RT: 6.68 min Scan# 533
Delta R.T. -0.00 min
Lab File: VD063474.D
Acq: 9 Aug 2019 15:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.2	54.8	82.2



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

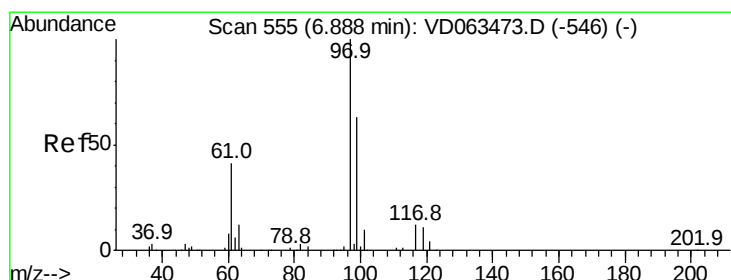
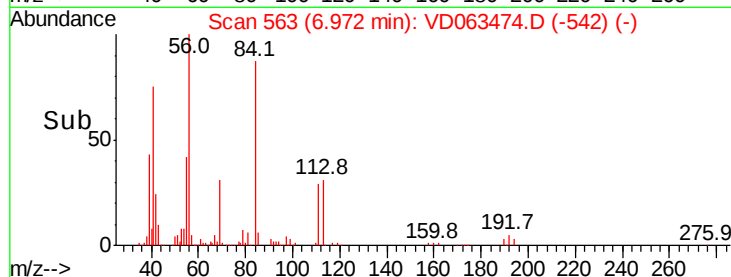
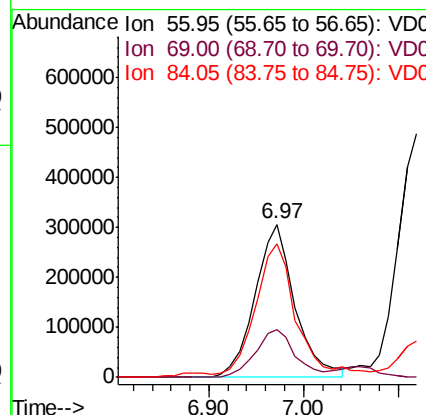
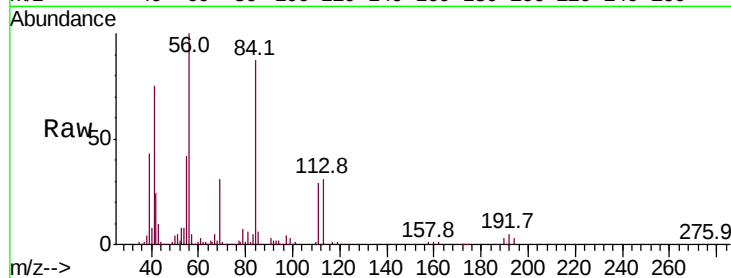




#31
Cyclohexane
Concen: 75.979 ug/l
RT: 6.97 min Scan# 563
Delta R.T. 0.01 min
Lab File: VD063474.D
Acq: 9 Aug 2019 15:23

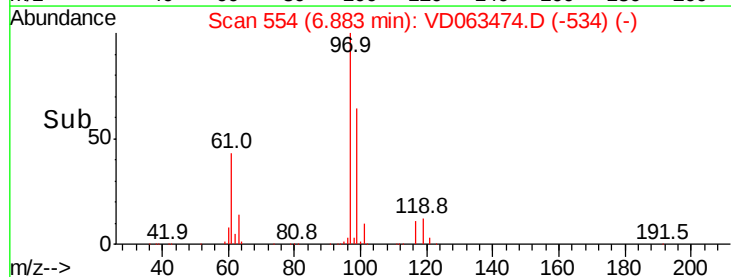
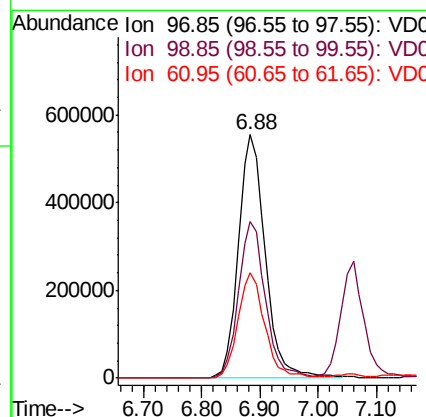
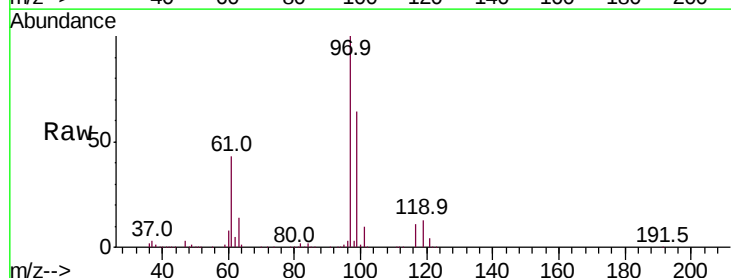
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

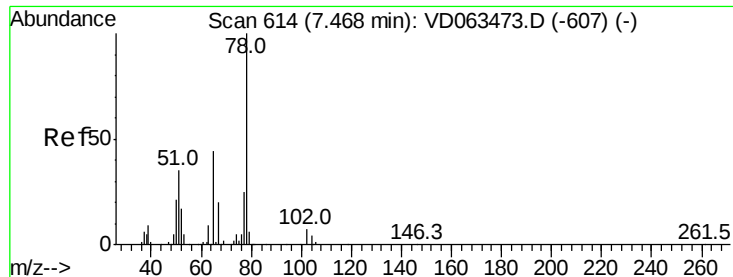
Tot Ion: 56 Resp: 895505
Ion Ratio Lower Upper
56 100
69 30.9 25.0 37.6
84 87.1 69.7 104.5



#32
1,1,1-Trichloroethane
Concen: 78.593 ug/l
RT: 6.88 min Scan# 554
Delta R.T. -0.00 min
Lab File: VD063474.D
Acq: 9 Aug 2019 15:23

Tgt Ion: 97 Resp: 1774168
Ion Ratio Lower Upper
97 100
99 64.5 50.2 75.4
61 43.1 33.1 49.7

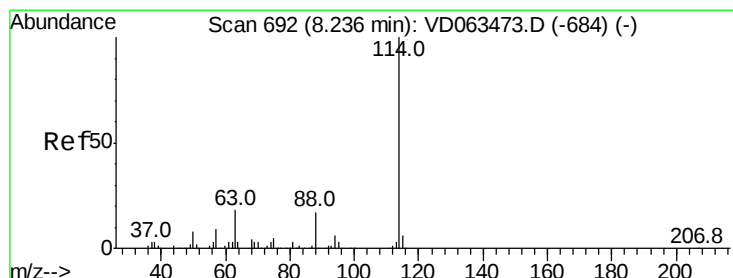
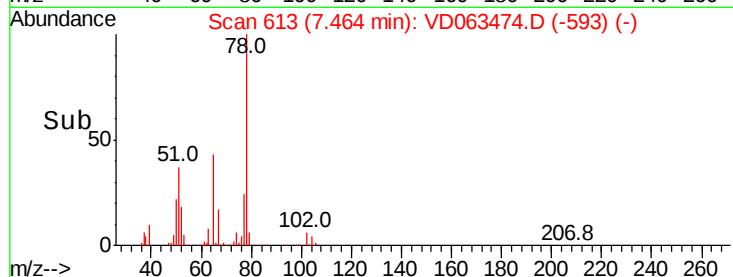
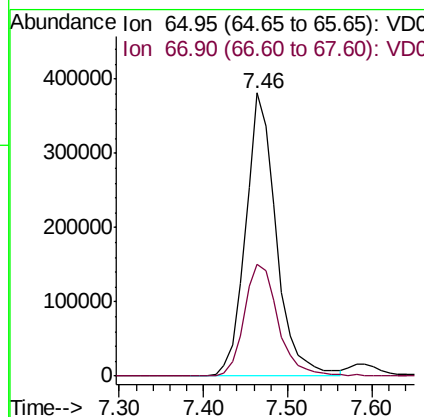
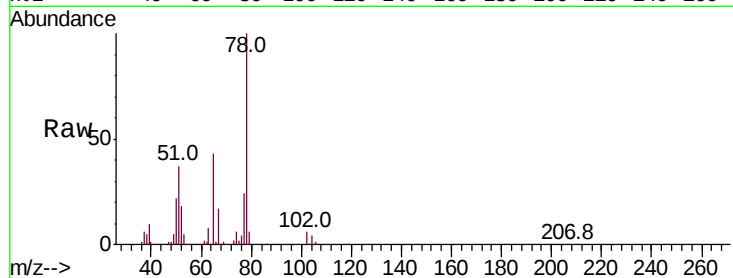




#33
 1,2-Dichloroethane-d4
 Concen: 74.075 ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: VD063474.D
 Acq: 9 Aug 2019 15:23

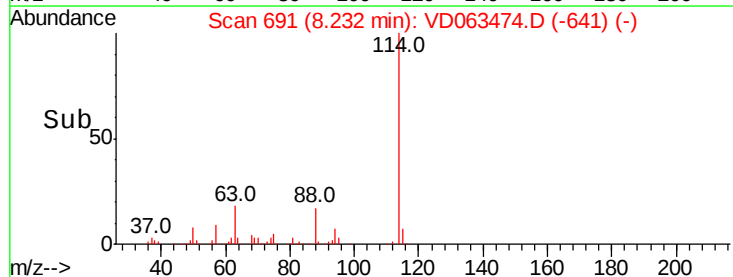
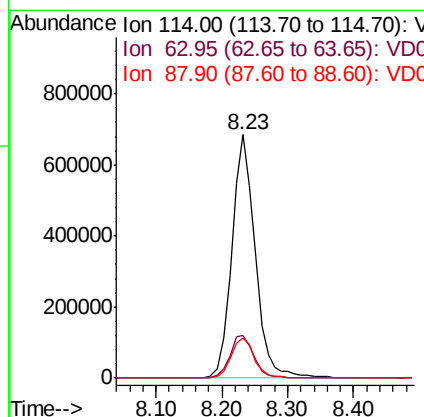
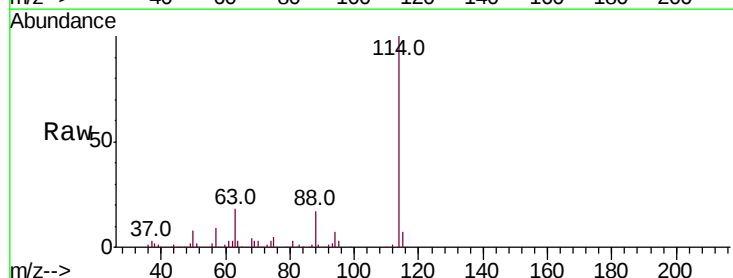
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

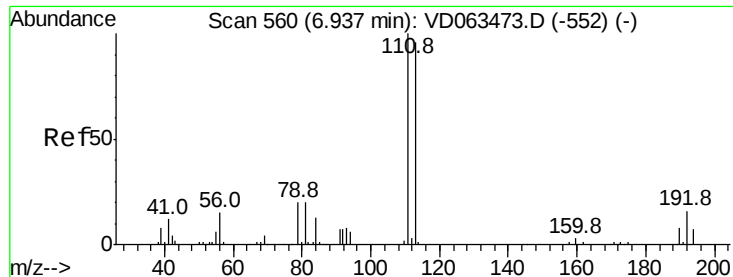
Tot Ion: 65 Resp: 966863
 Ion Ratio Lower Upper
 65 100
 67 39.6 0.0 89.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. -0.00 min
 Lab File: VD063474.D
 Acq: 9 Aug 2019 15:23

Tgt Ion: 114 Resp: 1693804
 Ion Ratio Lower Upper
 114 100
 63 17.7 0.0 36.2
 88 16.7 0.0 35.0





#35

Dibromofluoromethane

Concen: 75.498 ug/l

RT: 6.93 min Scan# 559

Delta R.T. -0.00 min

Lab File: VD063474.D

Acq: 9 Aug 2019 15:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

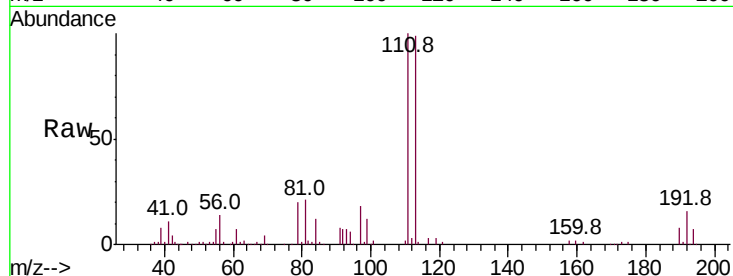
Tot Ion:113 Resp: 1077008

Ion	Ratio	Lower	Upper
113	100		
111	100.6	83.1	124.7
192	16.1	13.1	19.7

113 100

111 100.6 83.1 124.7

192 16.1 13.1 19.7

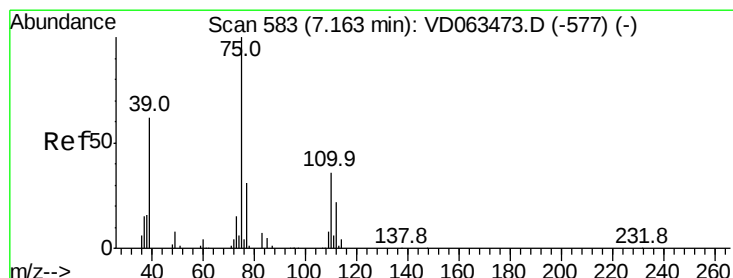
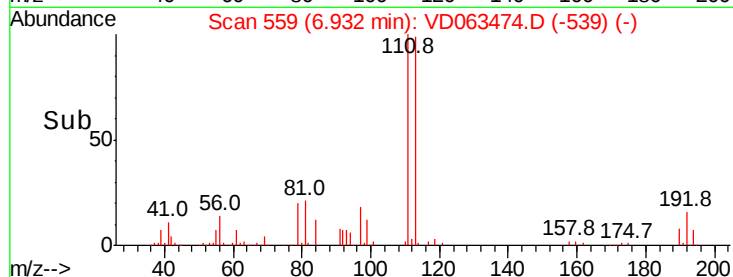
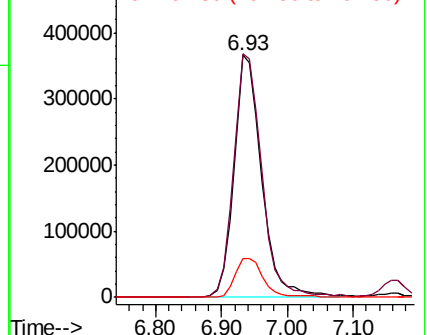


Abundance

Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 77.373 ug/l

RT: 7.16 min Scan# 582

Delta R.T. -0.00 min

Lab File: VD063474.D

Acq: 9 Aug 2019 15:23

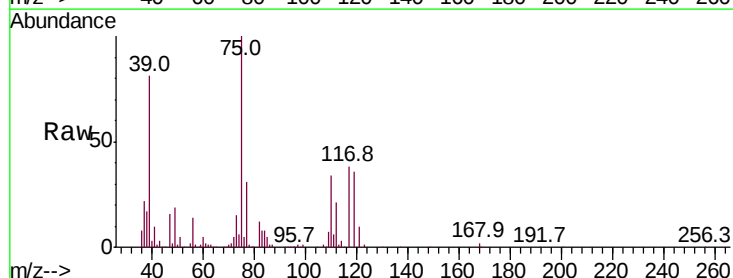
Tgt Ion: 75 Resp: 1158554

Ion	Ratio	Lower	Upper
75	100		
110	34.3	17.6	52.8
77	30.8	24.3	36.5

75 100

110 34.3 17.6 52.8

77 30.8 24.3 36.5

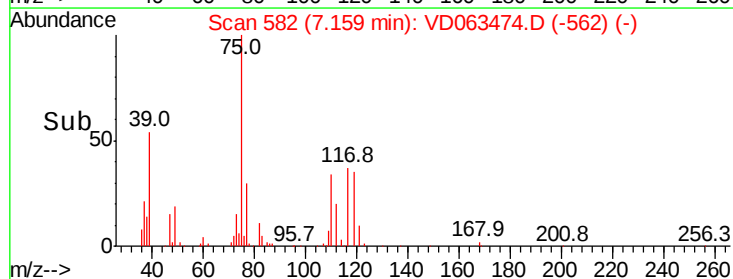
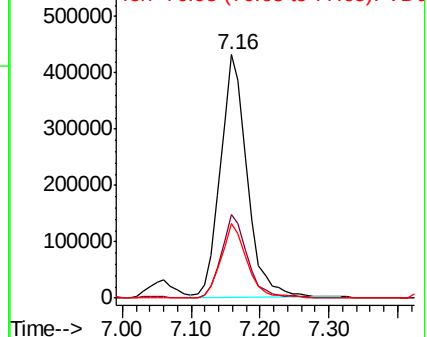


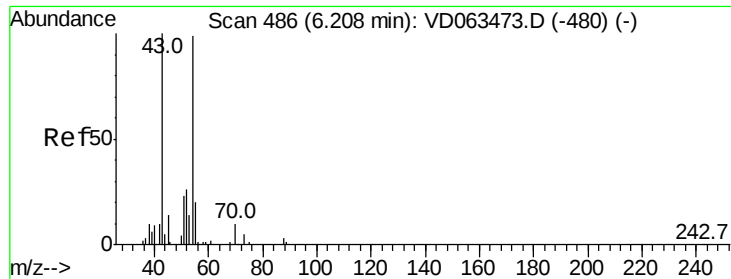
Abundance

Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

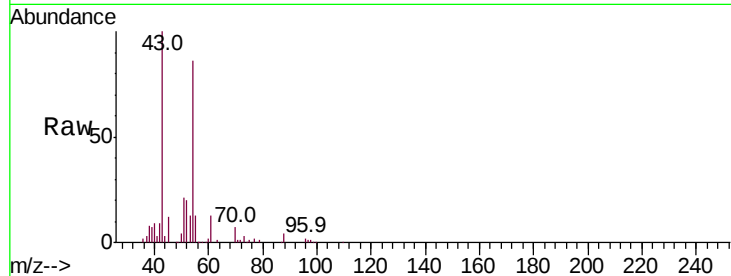




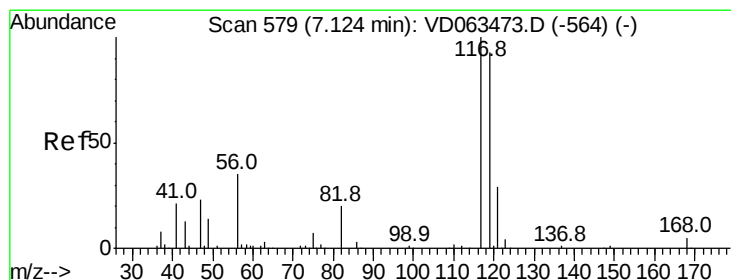
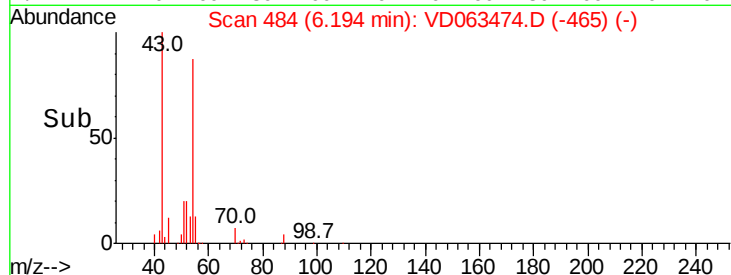
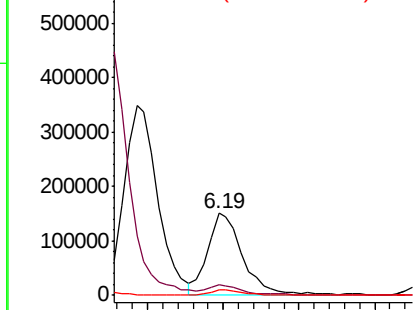
#37
Ethyl Acetate
Concen: 75.787 ug/l
RT: 6.19 min Scan# 484
Delta R.T. -0.01 min
Lab File: VD063474.D
Acq: 9 Aug 2019 15:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion: 43 Resp: 474368
Ion Ratio Lower Upper
43 100
61 12.6 9.0 13.6
70 6.9 6.9 10.3#

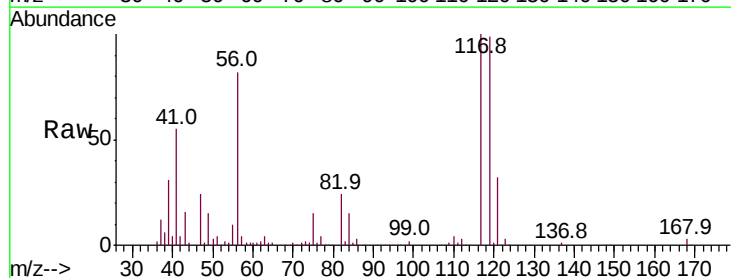


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

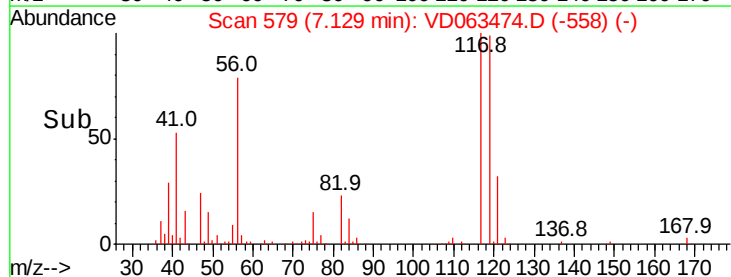
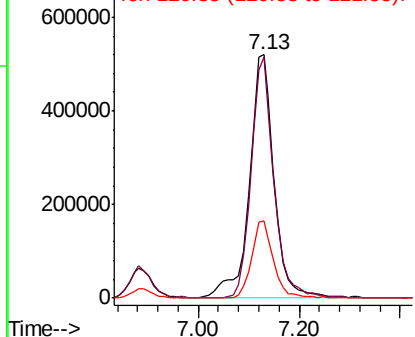


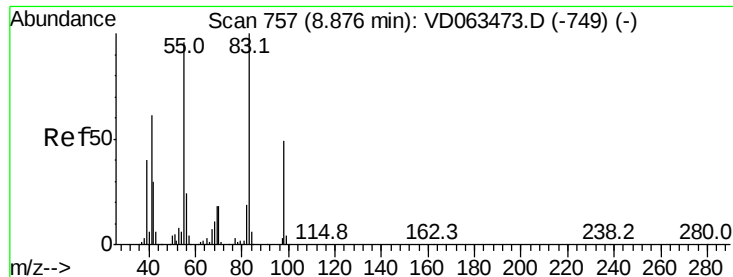
#38
Carbon Tetrachloride
Concen: 78.111 ug/l
RT: 7.13 min Scan# 579
Delta R.T. 0.01 min
Lab File: VD063474.D
Acq: 9 Aug 2019 15:23

Tgt Ion: 117 Resp: 1762734
Ion Ratio Lower Upper
117 100
119 98.9 74.2 111.2
121 31.7 23.1 34.7



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





#39

Methvlcvclohexane

Concen: 79.850 ug/l

RT: 8.88 min Scan# 757

Delta R.T. 0.01 min

Lab File: VD063474.D

Acq: 9 Aug 2019 15:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

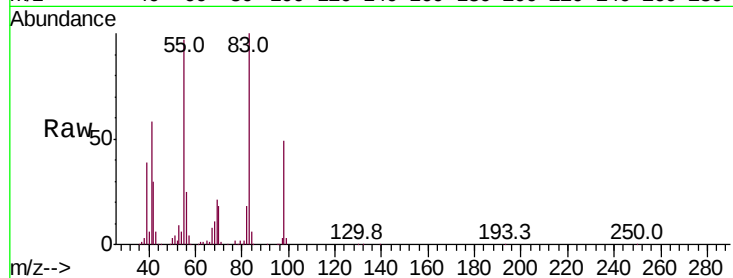
Tot Ion: 83 Resp: 1016704

Ion Ratio Lower Upper

83 100

55 96.8 76.6 114.8

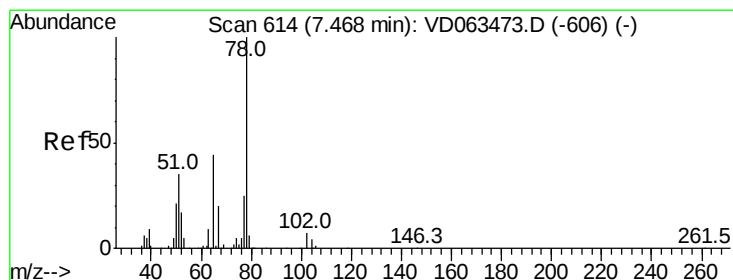
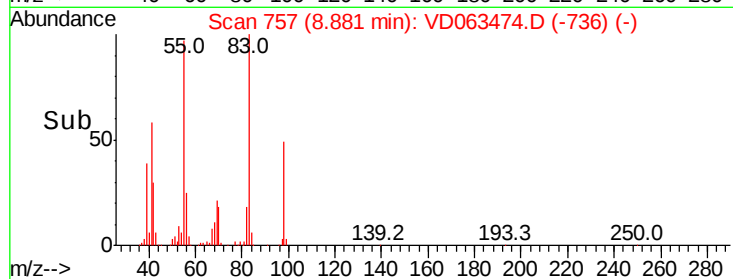
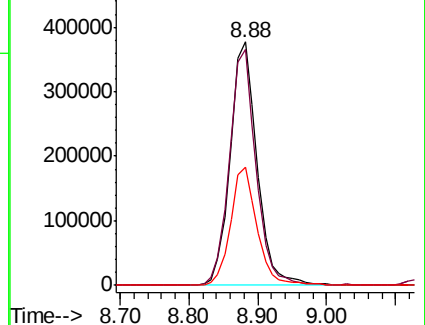
98 48.6 39.4 59.0



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 76.425 ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.00 min

Lab File: VD063474.D

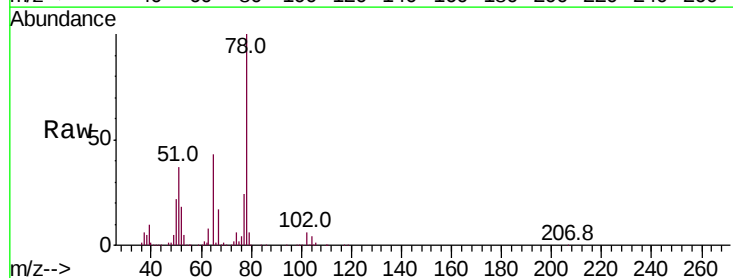
Acq: 9 Aug 2019 15:23

Tgt Ion: 78 Resp: 2518345

Ion Ratio Lower Upper

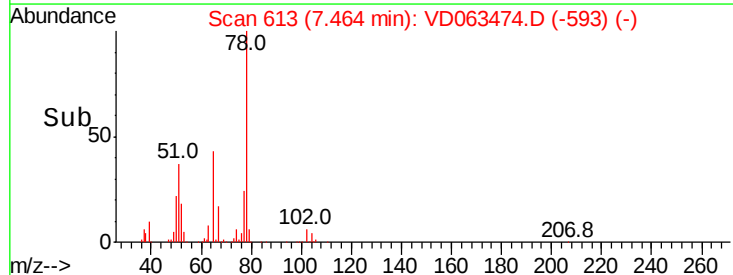
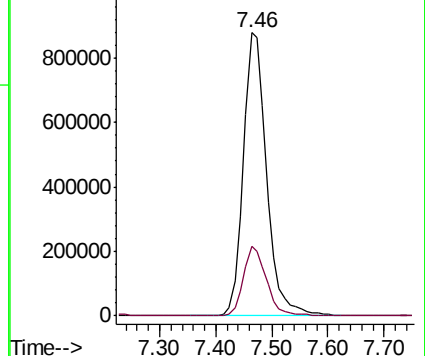
78 100

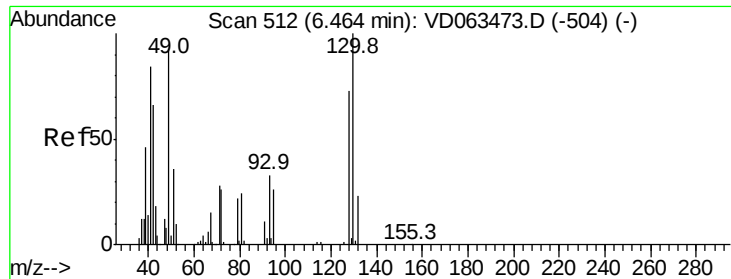
77 24.4 20.1 30.1



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

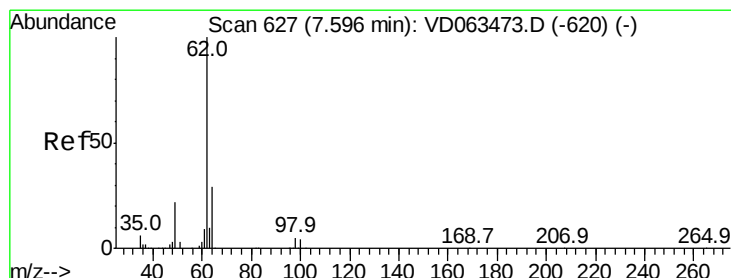
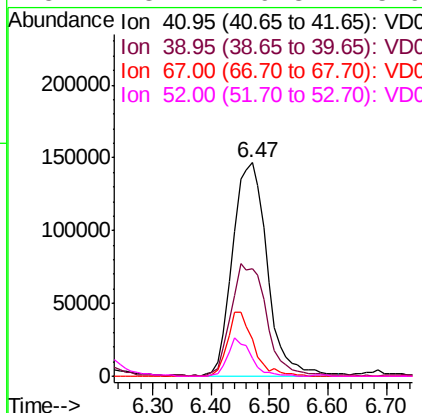
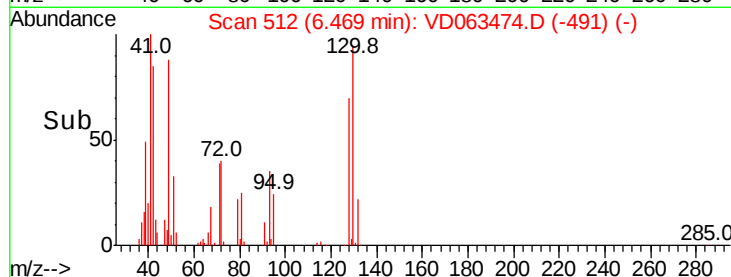
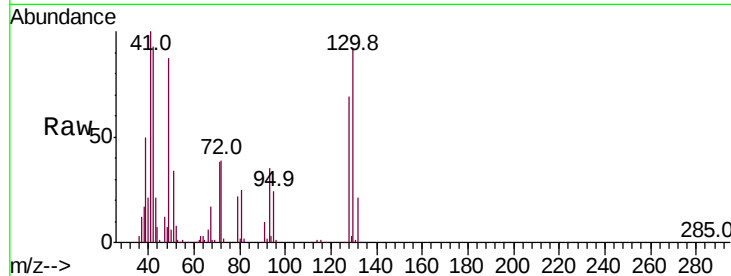




#41
Methacrylonitrile
Concen: 77.320 ug/l
RT: 6.47 min Scan# 512
Delta R.T. 0.01 min
Lab File: VD063474.D
Acq: 9 Aug 2019 15:23

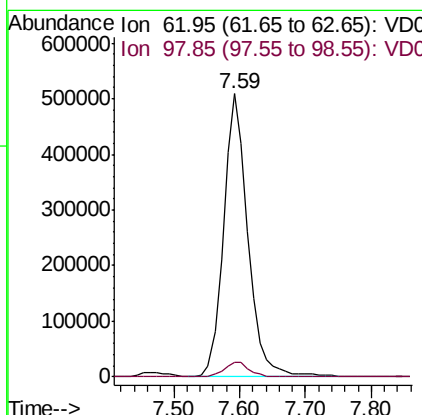
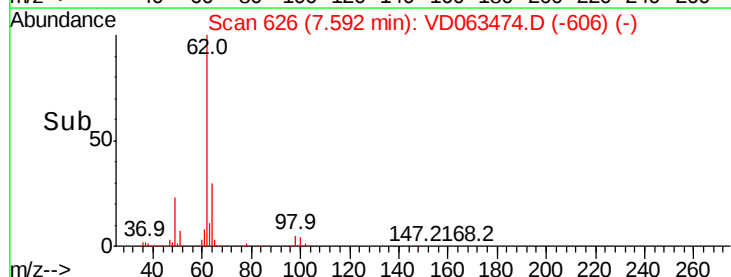
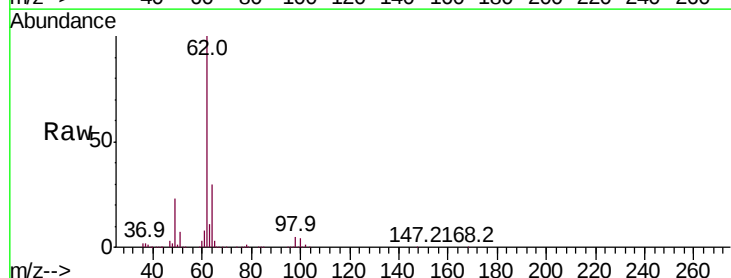
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

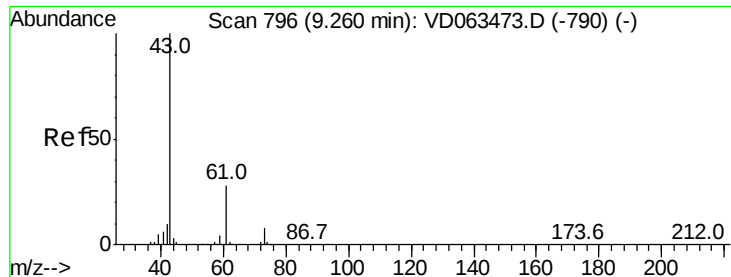
Tot Ion: 41 Resp: 610841
Ion Ratio Lower Upper
41 100
39 50.1 44.6 66.8
67 17.4 14.4 21.6
52 8.4 9.3 13.9#



#42
1,2-Dichloroethane
Concen: 78.810 ug/l
RT: 7.59 min Scan# 626
Delta R.T. -0.00 min
Lab File: VD063474.D
Acq: 9 Aug 2019 15:23

Tgt Ion: 62 Resp: 1305797
Ion Ratio Lower Upper
62 100
98 5.0 0.0 10.4





#43

Isopropyl Acetate

Concen: 82.794 ug/l

RT: 9.26 min Scan# 795

Delta R.T. -0.00 min

Lab File: VD063474.D

Acq: 9 Aug 2019 15:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

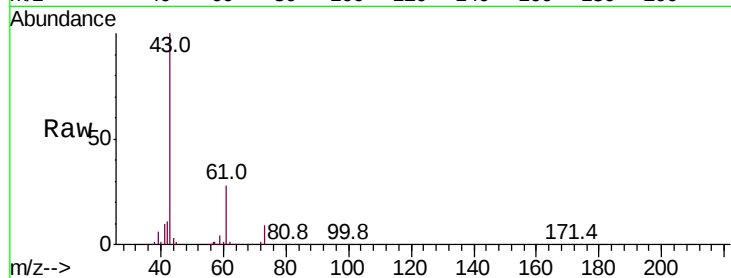
Tot Ion: 43 Resp: 695757

Ion Ratio Lower Upper

43 100

61 27.8 22.2 33.2

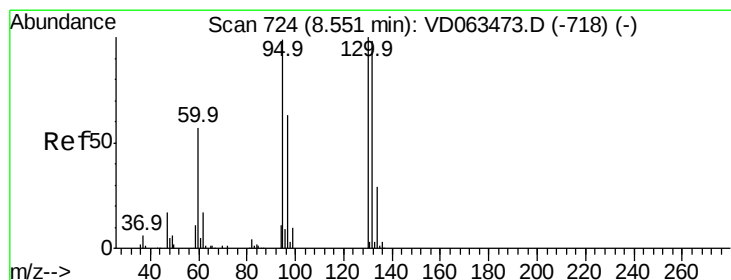
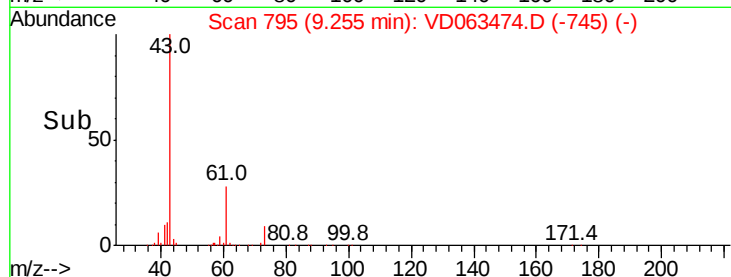
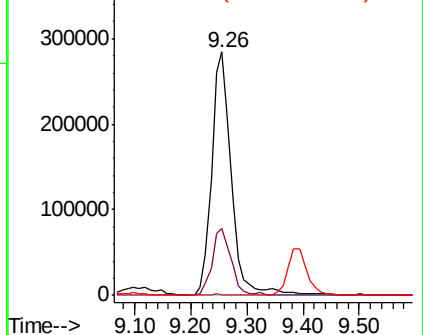
87 0.4 0.2 0.4#



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: 79.534 ug/l

RT: 8.56 min Scan# 724

Delta R.T. 0.01 min

Lab File: VD063474.D

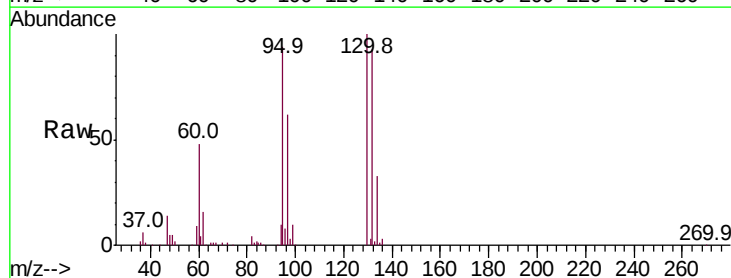
Acq: 9 Aug 2019 15:23

Tgt Ion:130 Resp: 1001986

Ion Ratio Lower Upper

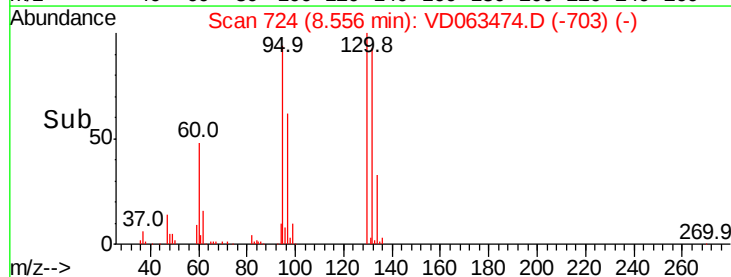
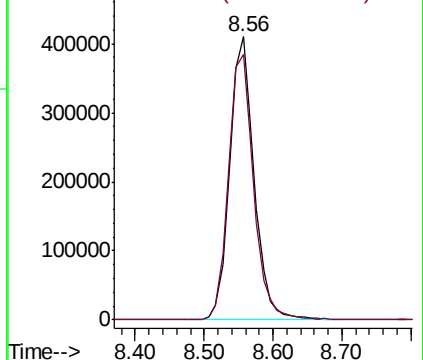
130 100

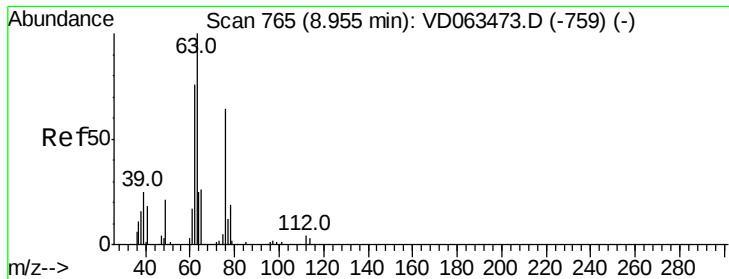
95 93.6 0.0 198.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 83.119 ug/l

RT: 8.95 min Scan# 764

Delta R.T. -0.00 min

Lab File: VD063474.D

Acq: 9 Aug 2019 15:23

Instrument :

MSVOA_D

ClientSampleId :

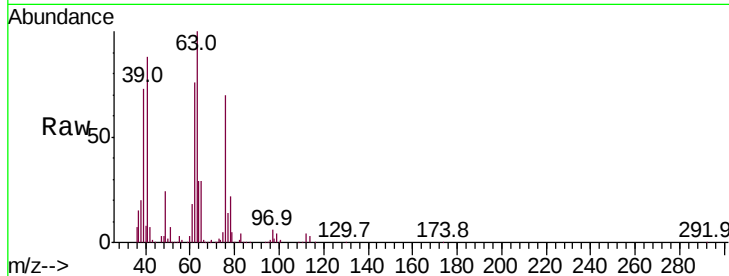
VSTDIC075

Tot Ion: 63 Resp: 637829

Ion Ratio Lower Upper

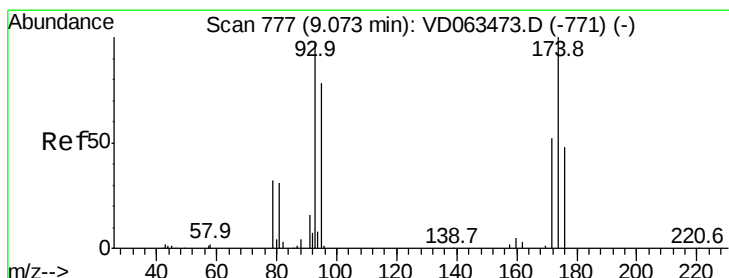
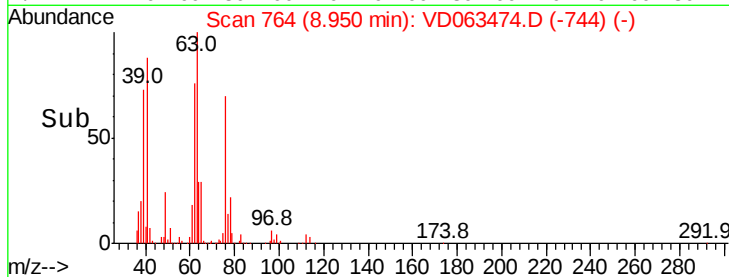
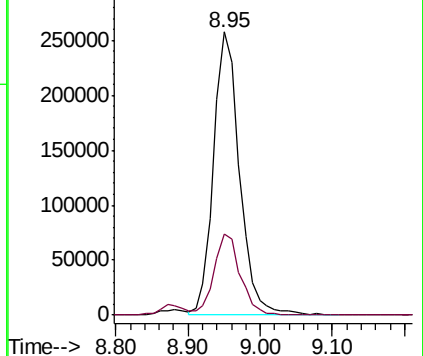
63 100

65 28.5 22.5 33.7



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 76.754 ug/l

RT: 9.08 min Scan# 777

Delta R.T. 0.01 min

Lab File: VD063474.D

Acq: 9 Aug 2019 15:23

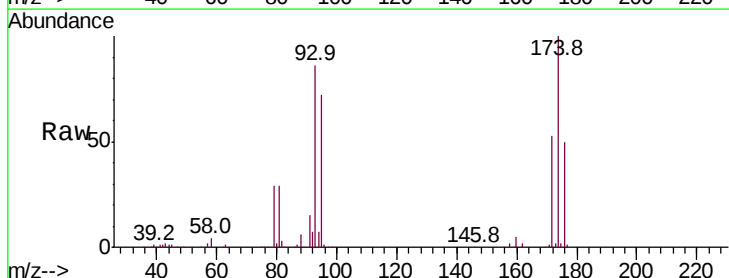
Tgt Ion: 93 Resp: 502979

Ion Ratio Lower Upper

93 100

95 83.3 64.2 96.2

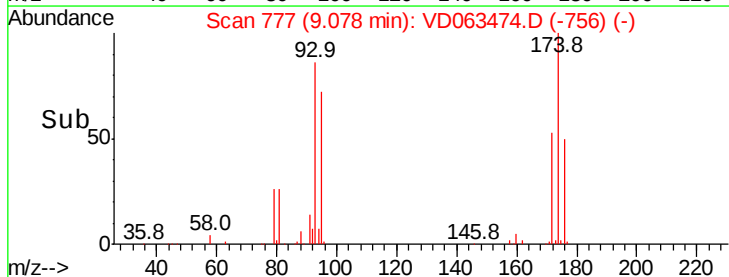
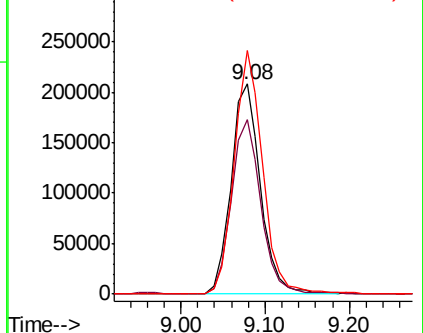
174 116.0 82.1 123.1

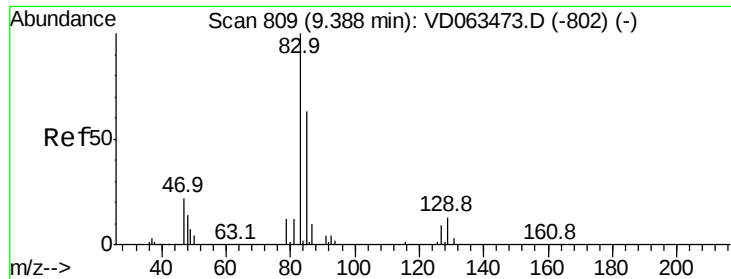


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 79.319 ug/l

RT: 9.38 min Scan# 808

Delta R.T. -0.00 min

Lab File: VD063474.D

Acq: 9 Aug 2019 15:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

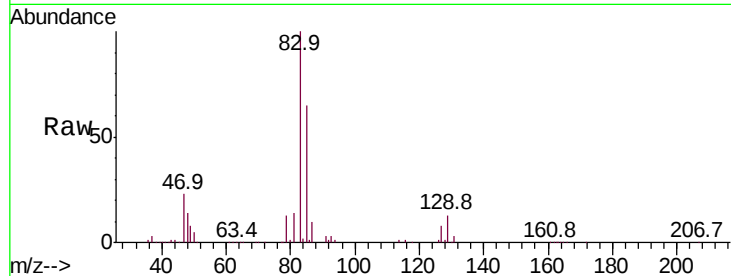
Tot Ion: 83 Resp: 1333299

Ion Ratio Lower Upper

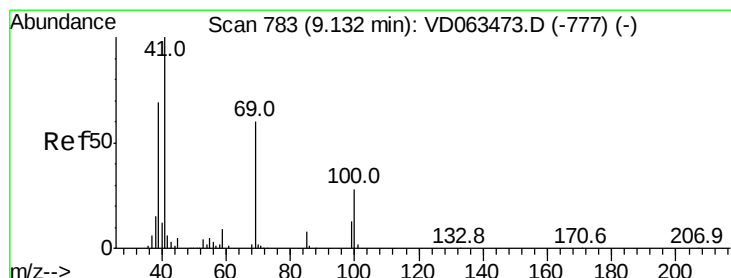
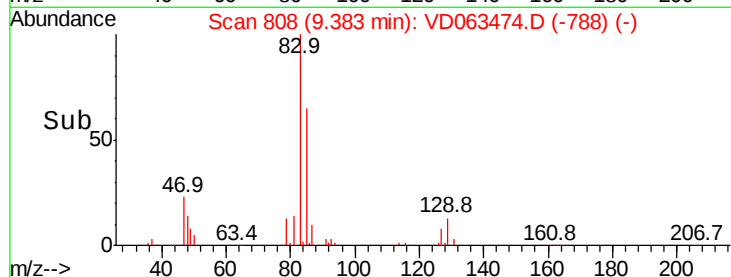
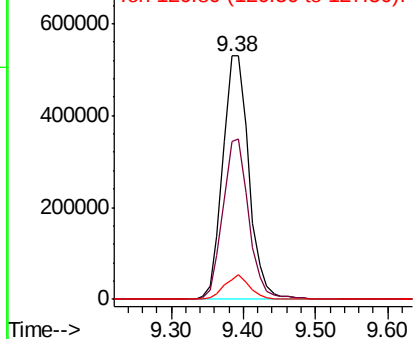
83 100

85 65.0 50.1 75.1

127 8.1 7.6 11.4



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: 74.845 ug/l

RT: 9.13 min Scan# 782

Delta R.T. -0.00 min

Lab File: VD063474.D

Acq: 9 Aug 2019 15:23

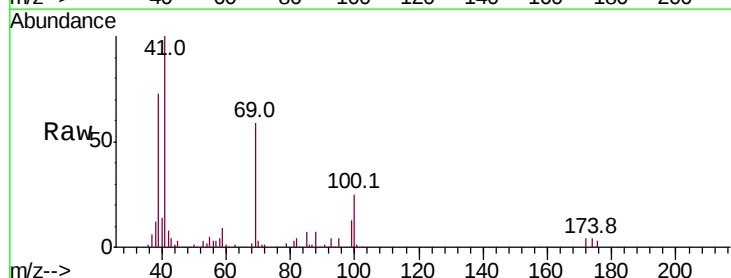
Tgt Ion: 41 Resp: 426542

Ion Ratio Lower Upper

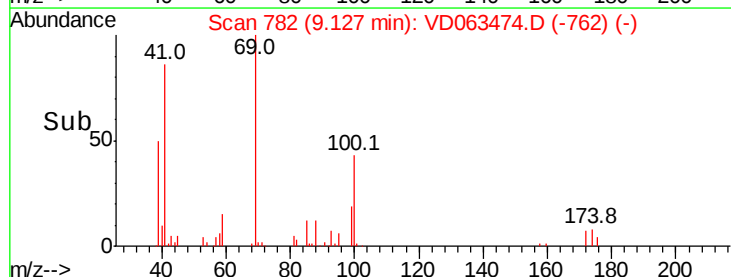
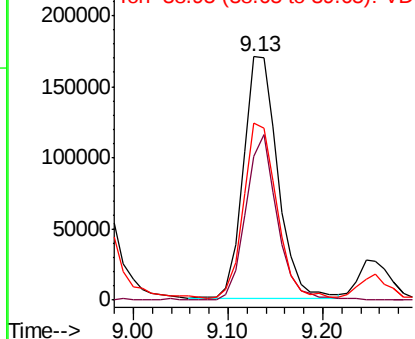
41 100

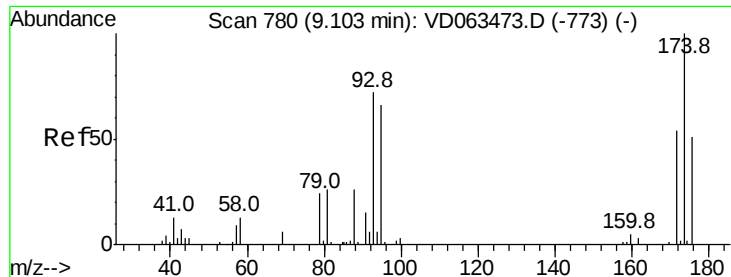
69 59.1 47.6 71.4

39 72.6 55.7 83.5



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

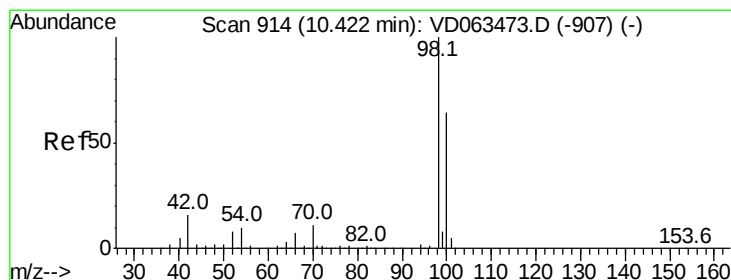
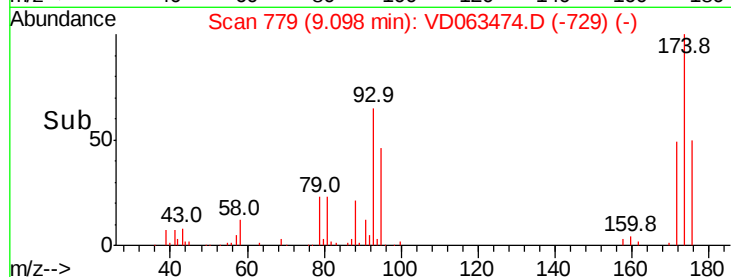
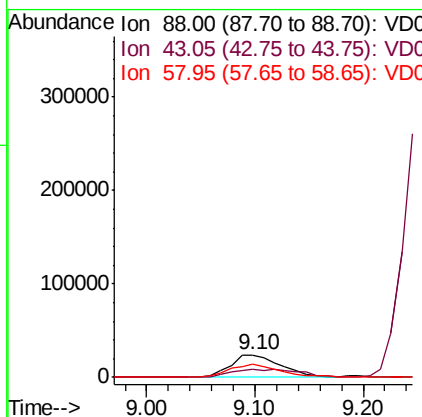
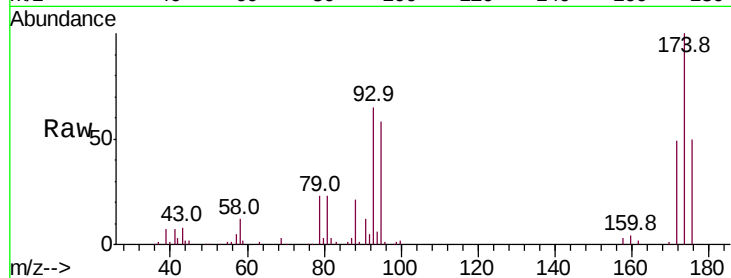




#49
 1,4-Dioxane
 Concen: 1586.255 ug/l
 RT: 9.10 min Scan# 779
 Delta R.T. -0.00 min
 Lab File: VD063474.D
 Acq: 9 Aug 2019 15:23

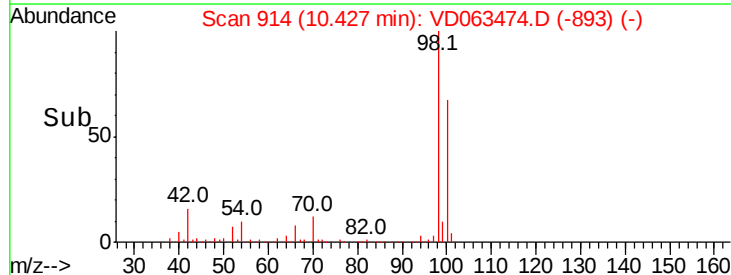
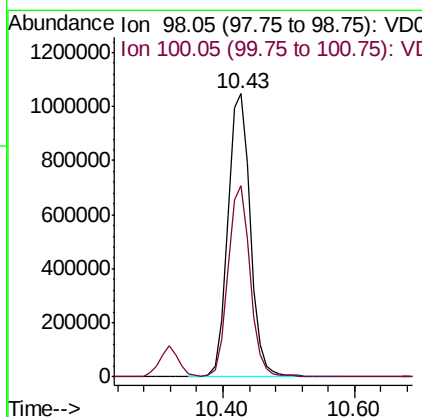
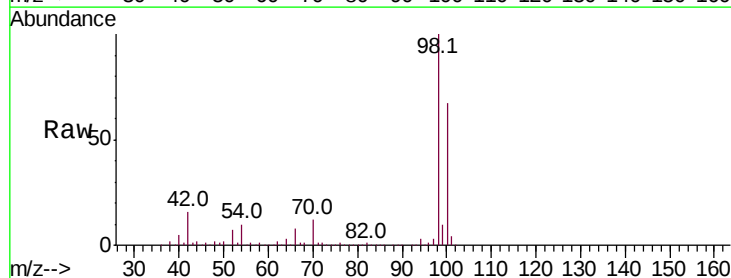
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

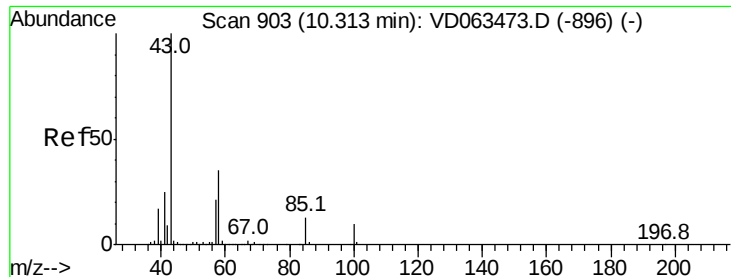
Tot Ion: 88 Resp: 76925
 Ion Ratio Lower Upper
 88 100
 43 36.7 22.9 34.3#
 58 55.9 40.1 60.1



#50
 Toluene-d8
 Concen: 79.943 ug/l
 RT: 10.43 min Scan# 914
 Delta R.T. 0.01 min
 Lab File: VD063474.D
 Acq: 9 Aug 2019 15:23

Tgt Ion: 98 Resp: 2507236
 Ion Ratio Lower Upper
 98 100
 100 67.4 51.7 77.5





#51

4-Methyl-2-Pentanone

Concen: 389.644 ug/l

RT: 10.32 min Scan# 903

Delta R.T. 0.01 min

Lab File: VD063474.D

Acq: 9 Aug 2019 15:23

Instrument :

MSVOA_D

ClientSampleId :

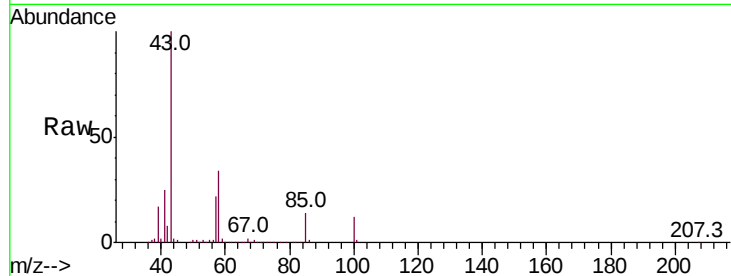
VSTDIC075

Tot Ion: 43 Resp: 2240543

Ion Ratio Lower Upper

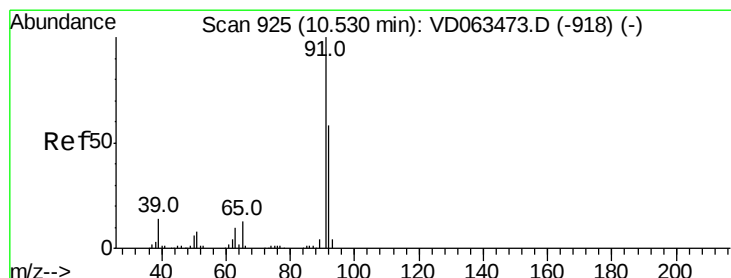
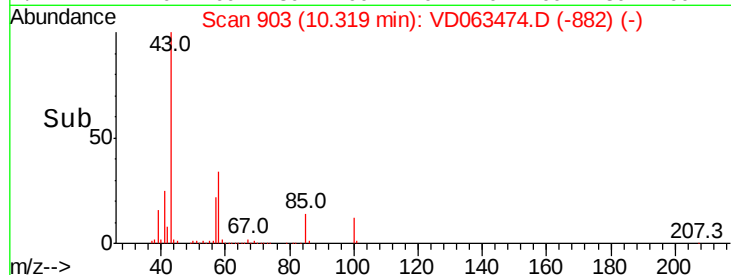
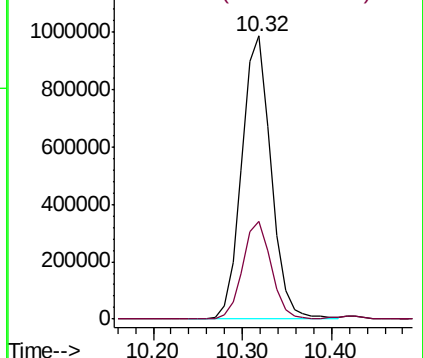
43 100

58 34.4 28.0 42.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 80.594 ug/l

RT: 10.53 min Scan# 924

Delta R.T. -0.00 min

Lab File: VD063474.D

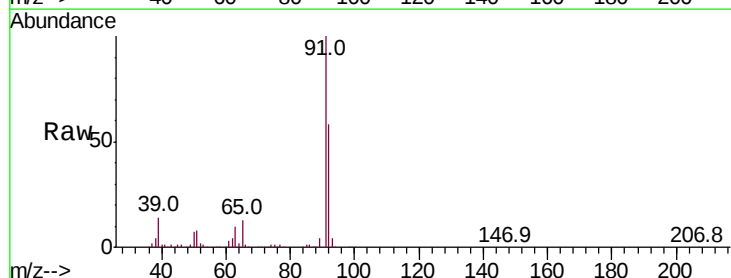
Acq: 9 Aug 2019 15:23

Tgt Ion: 92 Resp: 1710522

Ion Ratio Lower Upper

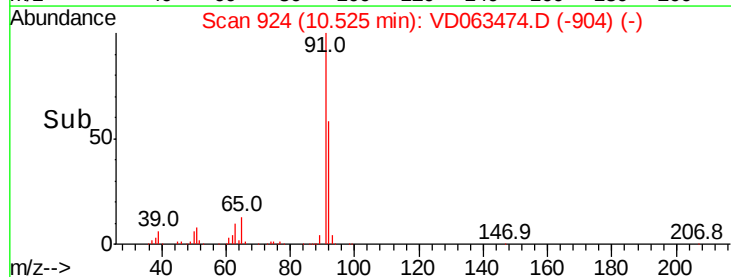
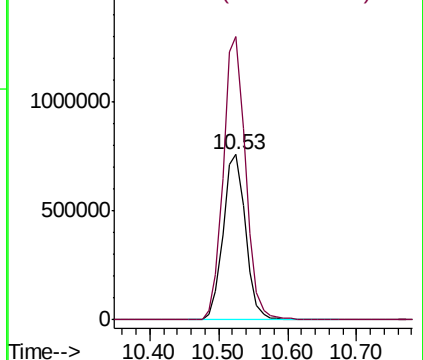
92 100

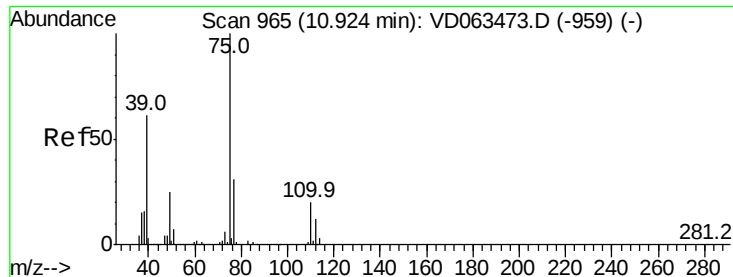
91 171.2 137.9 206.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

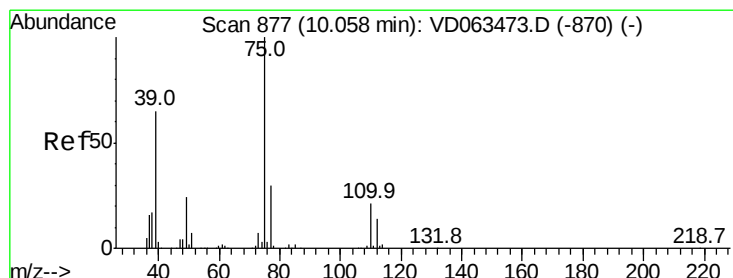
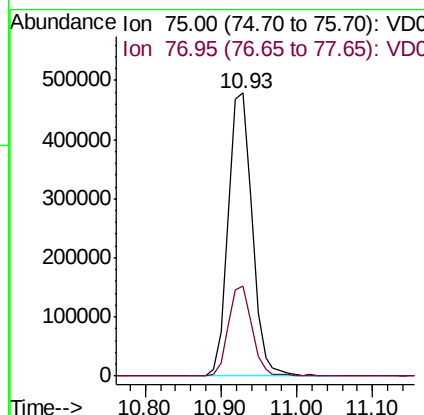
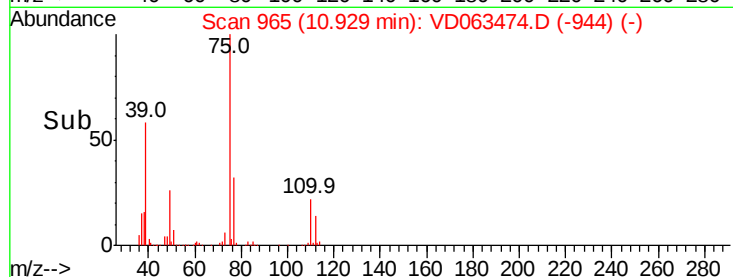
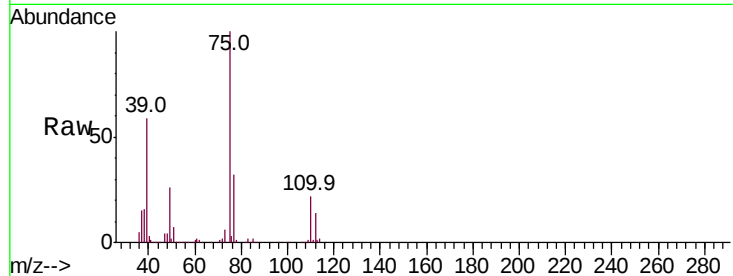




#53
t-1,3-Dichloropropene
Concen: 76.253 ug/l
RT: 10.93 min Scan# 965
Delta R.T. 0.01 min
Lab File: VD063474.D
Acq: 9 Aug 2019 15:23

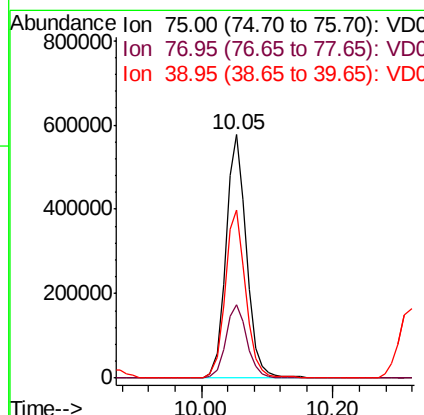
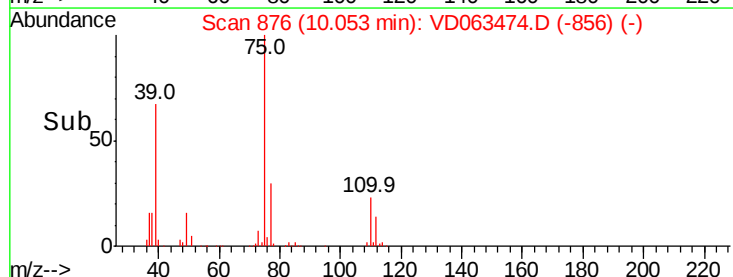
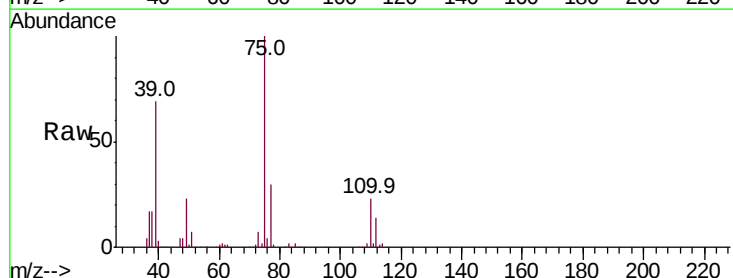
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

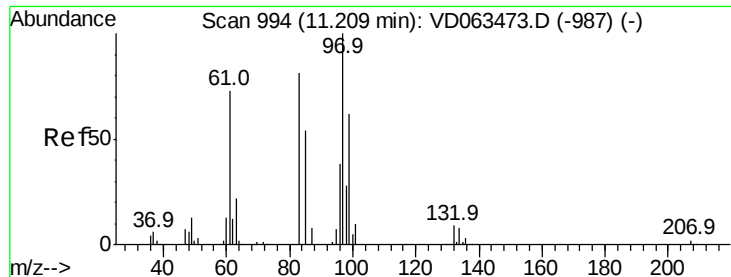
Tot Ion: 75 Resp: 1046056
Ion Ratio Lower Upper
75 100
77 32.0 24.5 36.7



#54
cis-1,3-Dichloropropene
Concen: 81.079 ug/l
RT: 10.05 min Scan# 876
Delta R.T. -0.00 min
Lab File: VD063474.D
Acq: 9 Aug 2019 15:23

Tgt Ion: 75 Resp: 1254150
Ion Ratio Lower Upper
75 100
77 30.2 23.7 35.5
39 68.8 52.2 78.4



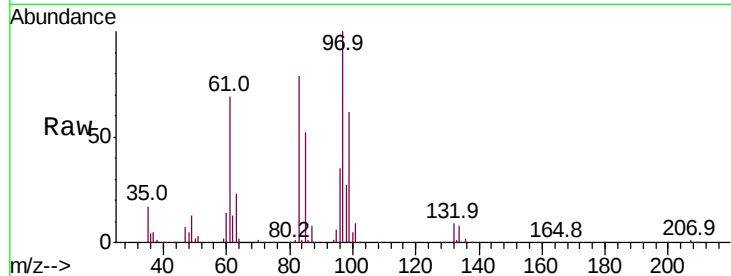


#55
1,1,2-Trichloroethane
Concen: 80.721 ug/l
RT: 11.20 min Scan# 993
Delta R.T. -0.00 min
Lab File: VD063474.D
Acq: 9 Aug 2019 15:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion: 97 Resp: 578719

Ion	Ratio	Lower	Upper
97	100		
83	79.2	64.7	97.1
85	51.7	42.9	64.3
99	61.7	49.7	74.5



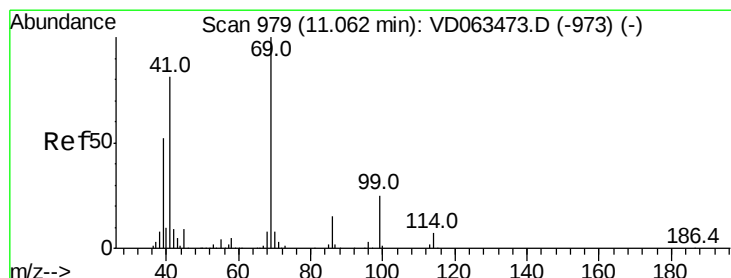
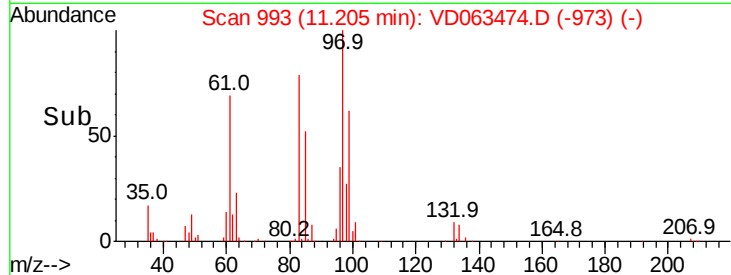
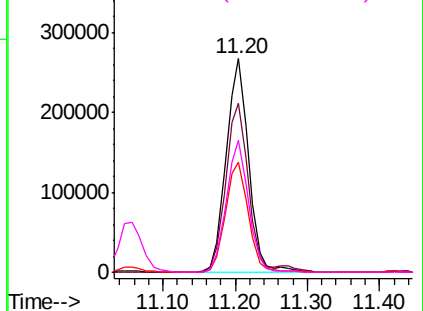
Abundance

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

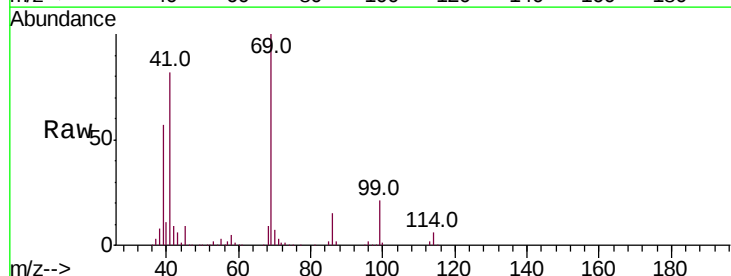
Ion 98.85 (98.55 to 99.55): VDC



#56
Ethyl methacrylate
Concen: 81.107 ug/l
RT: 11.06 min Scan# 978
Delta R.T. -0.00 min
Lab File: VD063474.D
Acq: 9 Aug 2019 15:23

Tgt Ion: 69 Resp: 631142

Ion	Ratio	Lower	Upper
69	100		
41	82.1	64.8	97.2
39	56.7	42.4	63.6

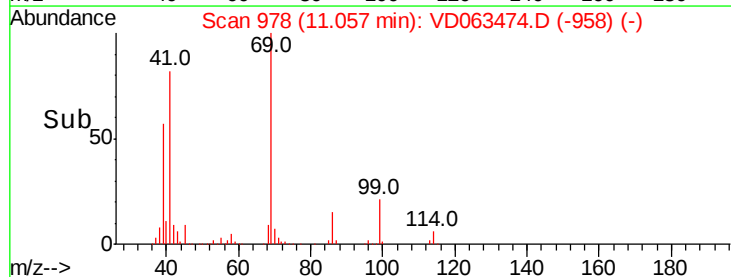
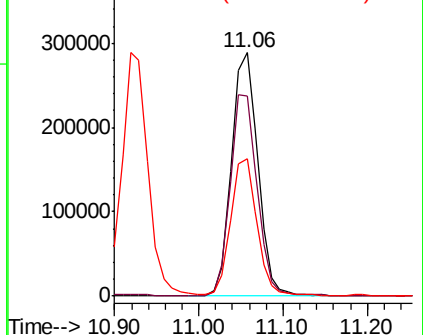


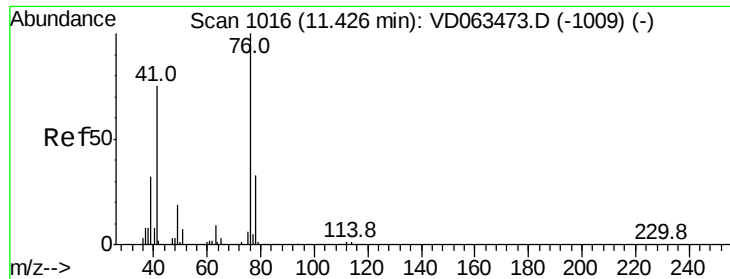
Abundance

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: 78.604 ug/l

RT: 11.42 min Scan# 1015

Delta R.T. -0.00 min

Lab File: VD063474.D

Acq: 9 Aug 2019 15:23

Instrument :

MSVOA_D

ClientSampleId :

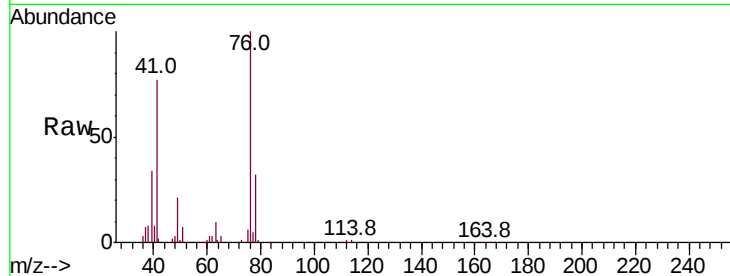
VSTDIC075

Tot Ion: 76 Resp: 851840

Ion Ratio Lower Upper

76 100

78 31.6 26.3 39.5



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

11.42

400000

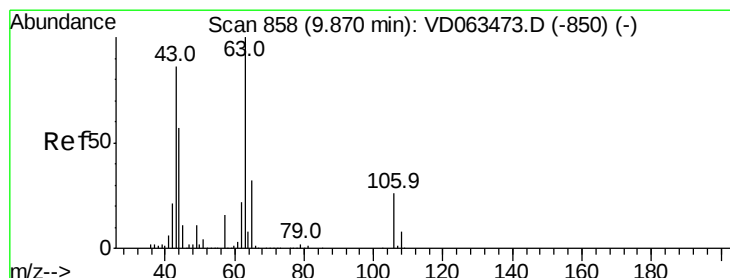
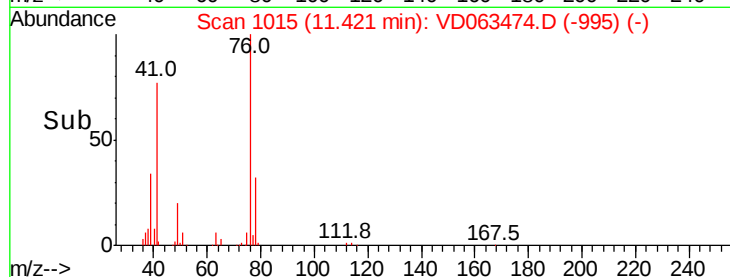
300000

200000

100000

0

Time--> 11.30 11.40 11.50 11.60



#58

2-Chloroethyl Vinyl ether

Concen: 376.802 ug/l

RT: 9.88 min Scan# 858

Delta R.T. 0.01 min

Lab File: VD063474.D

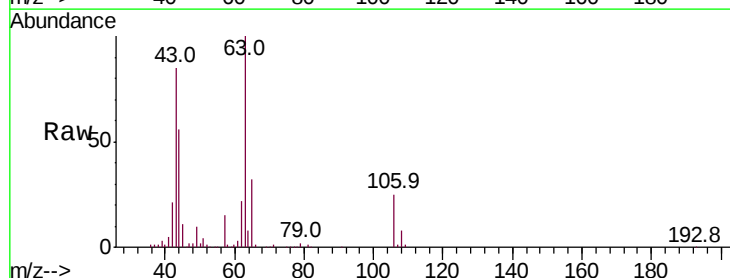
Acq: 9 Aug 2019 15:23

Tgt Ion: 63 Resp: 1547966

Ion Ratio Lower Upper

63 100

106 25.4 20.8 31.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

9.88

800000

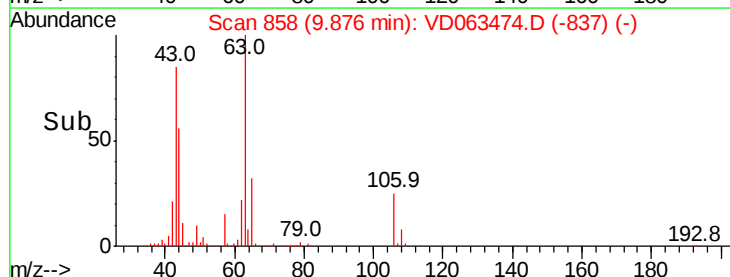
600000

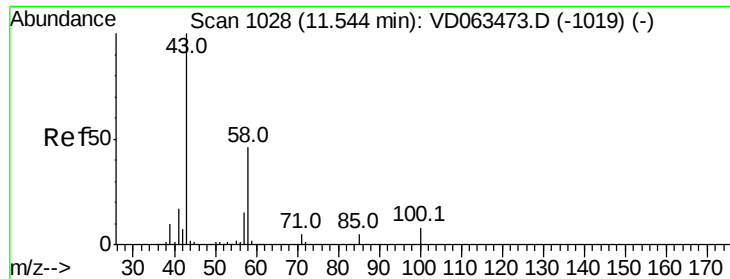
400000

200000

0

Time--> 9.70 9.80 9.90 10.00

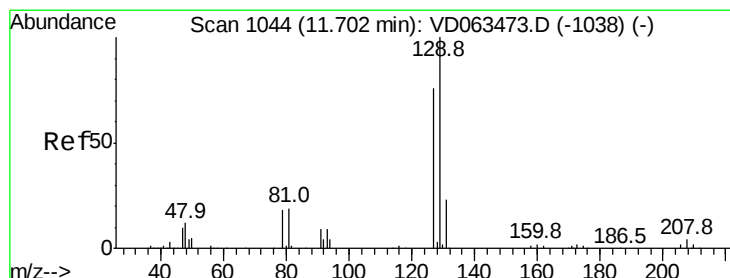
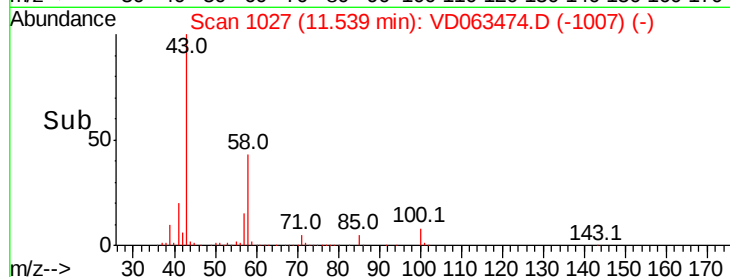
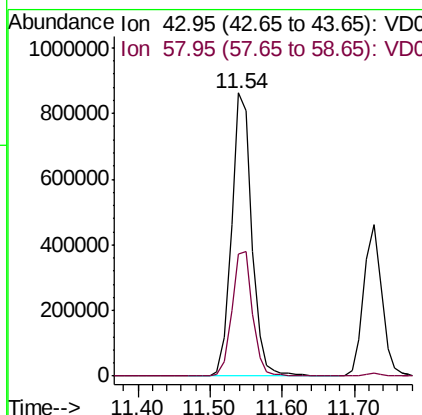
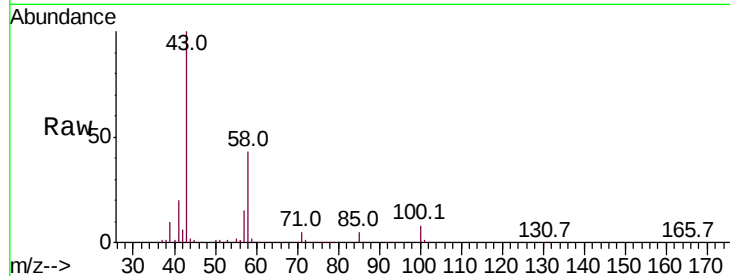




#59
2-Hexanone
Concen: 403.298 ug/l
RT: 11.54 min Scan# 1027
Delta R.T. -0.00 min
Lab File: VD063474.D
Acq: 9 Aug 2019 15:23

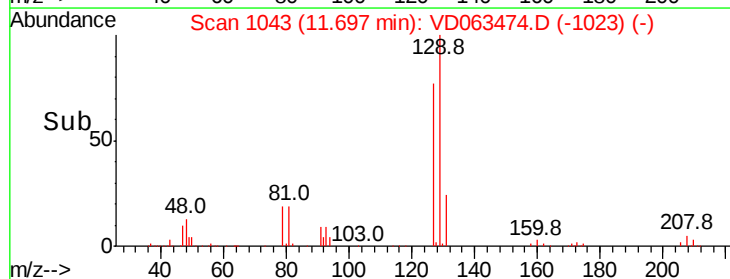
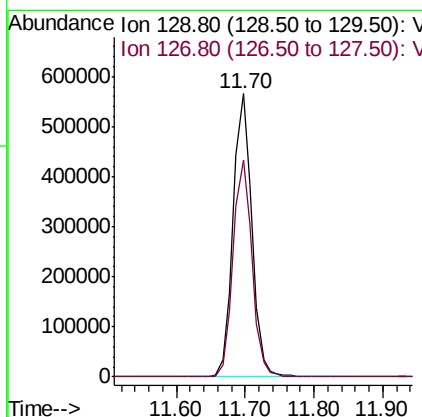
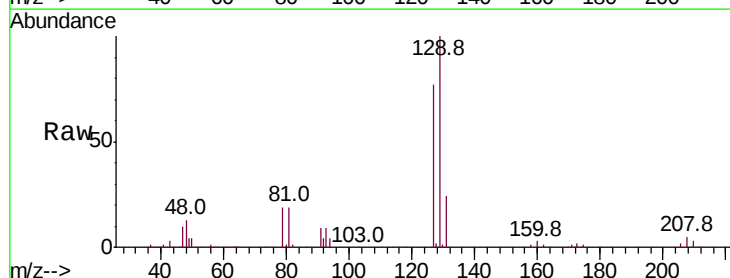
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

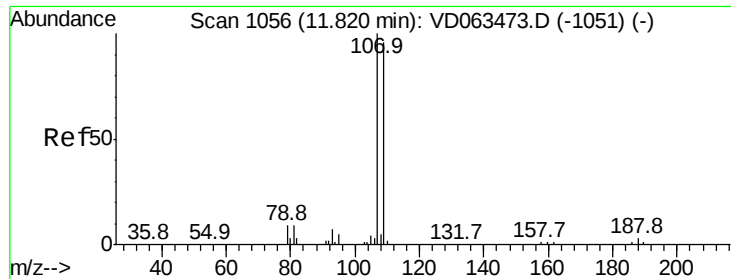
Tot Ion: 43 Resp: 1687412
Ion Ratio Lower Upper
43 100
58 43.0 23.1 69.2



#60
Dibromochloromethane
Concen: 81.596 ug/l
RT: 11.70 min Scan# 1043
Delta R.T. -0.00 min
Lab File: VD063474.D
Acq: 9 Aug 2019 15:23

Tgt Ion:129 Resp: 1064486
Ion Ratio Lower Upper
129 100
127 76.6 37.8 113.4





#61

1,2-Dibromoethane

Concen: 77.418 ug/l

RT: 11.81 min Scan# 1055

Delta R.T. -0.00 min

Lab File: VD063474.D

Acq: 9 Aug 2019 15:23

Instrument :

MSVOA_D

ClientSampleId :

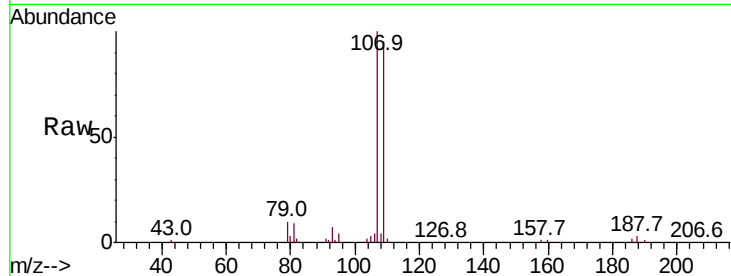
VSTDIC075

Tot Ion:107 Resp: 671922

Ion Ratio Lower Upper

107 100

109 94.8 76.8 115.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

11.81

400000

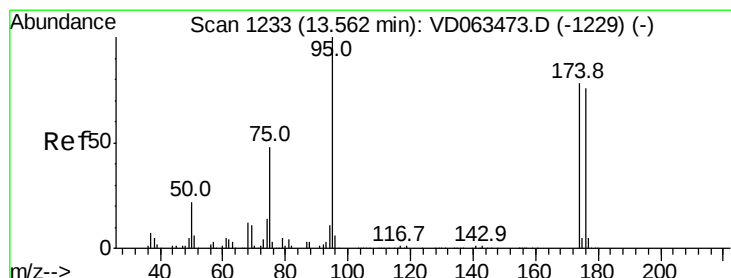
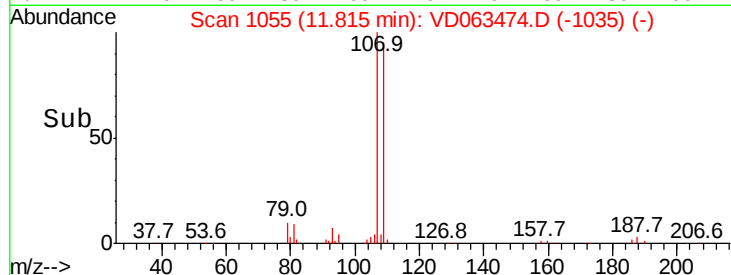
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 74.530 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD063474.D

Acq: 9 Aug 2019 15:23

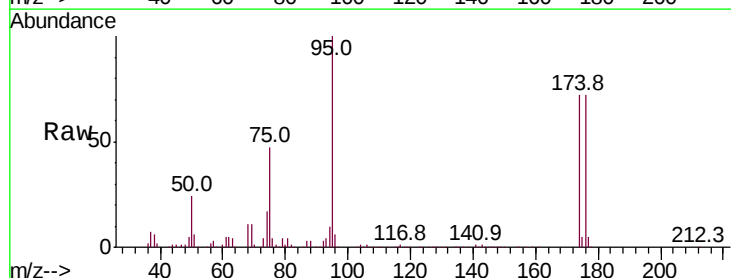
Tgt Ion: 95 Resp: 1059448

Ion Ratio Lower Upper

95 100

174 72.2 0.0 155.4

176 72.1 0.0 152.4



Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

1000000

800000

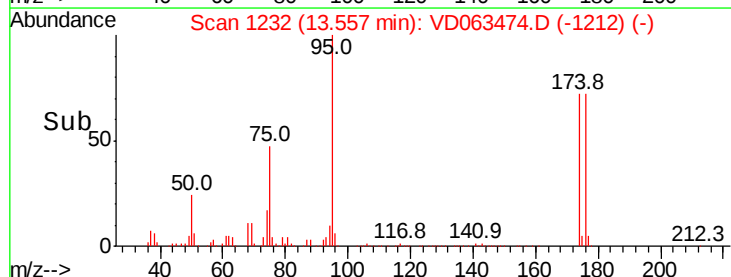
600000

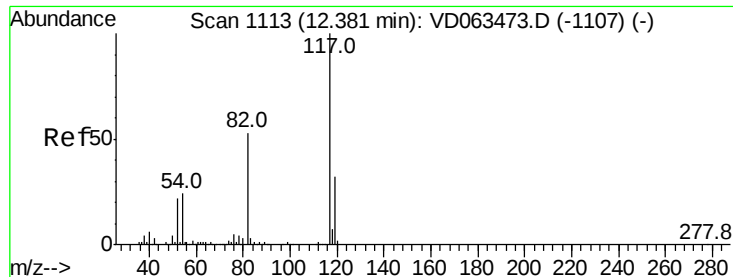
400000

200000

0

Time-->

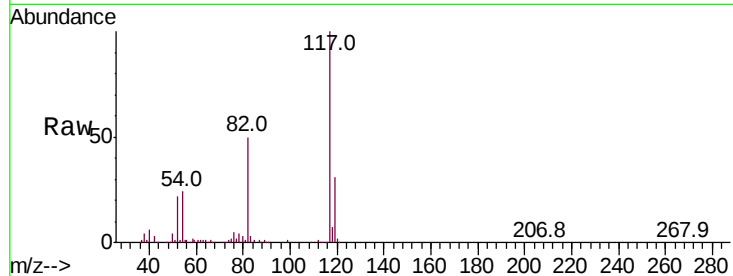




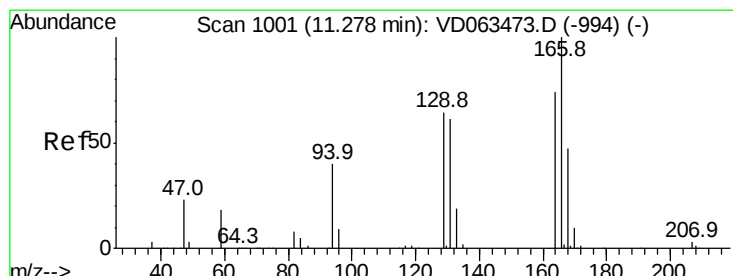
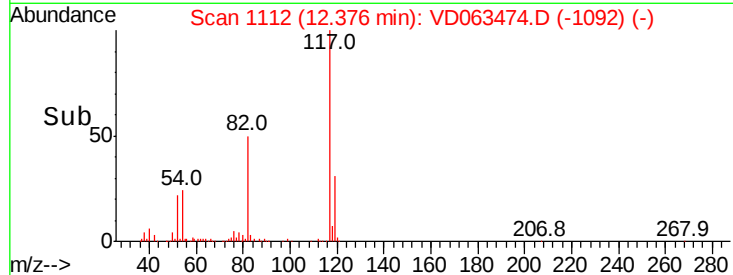
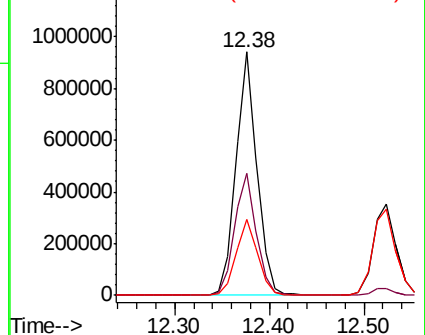
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD063474.D
Acq: 9 Aug 2019 15:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion:117 Resp: 1442422
Ion Ratio Lower Upper
117 100
82 50.4 42.0 63.0
119 31.2 25.4 38.0



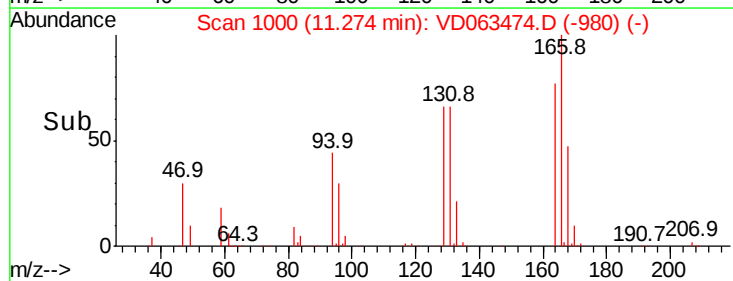
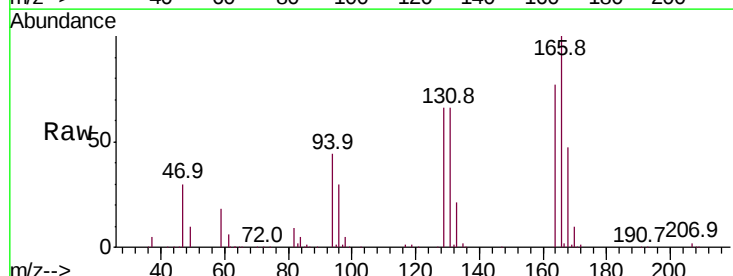
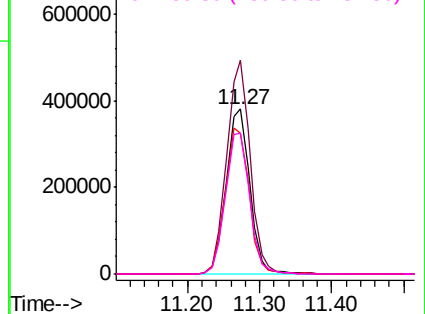
Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

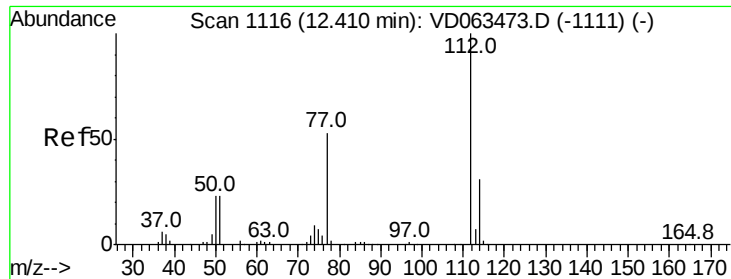


#64
Tetrachloroethene
Concen: 77.760 ug/l
RT: 11.27 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VD063474.D
Acq: 9 Aug 2019 15:23

Tgt Ion:164 Resp: 865870
Ion Ratio Lower Upper
164 100
166 129.6 108.6 163.0
129 85.7 69.0 103.6
131 85.8 66.6 99.8

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





#65

Chlorobenzene

Concen: 76.772 ug/l

RT: 12.41 min Scan# 1115

Delta R.T. -0.00 min

Lab File: VD063474.D

Acq: 9 Aug 2019 15:23

Instrument :

MSVOA_D

ClientSampleId :

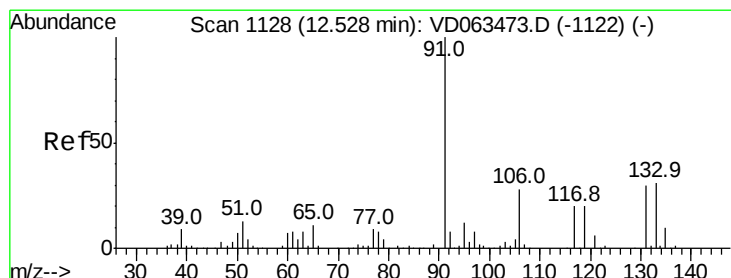
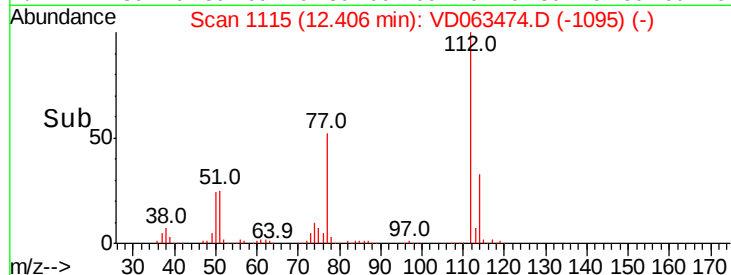
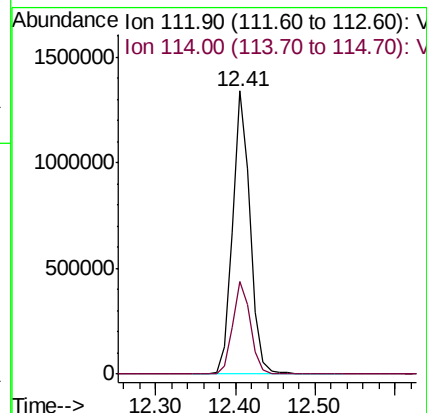
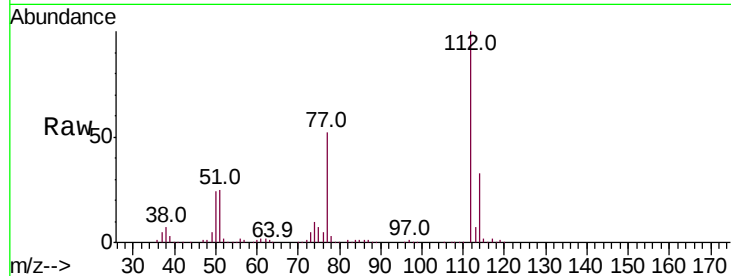
VSTDIC075

Tot Ion:112 Resp: 2075485

Ion Ratio Lower Upper

112 100

114 32.6 25.1 37.7



#66

1,1,1,2-Tetrachloroethane

Concen: 76.525 ug/l

RT: 12.52 min Scan# 1127

Delta R.T. -0.00 min

Lab File: VD063474.D

Acq: 9 Aug 2019 15:23

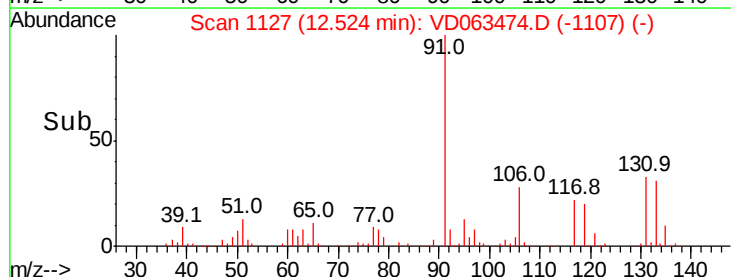
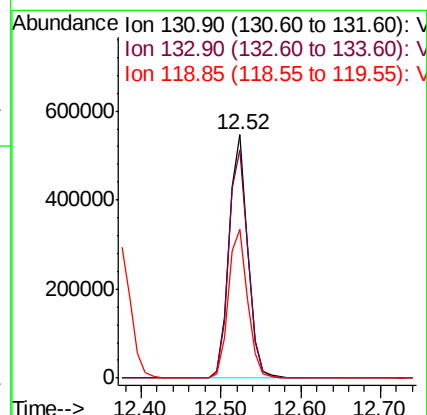
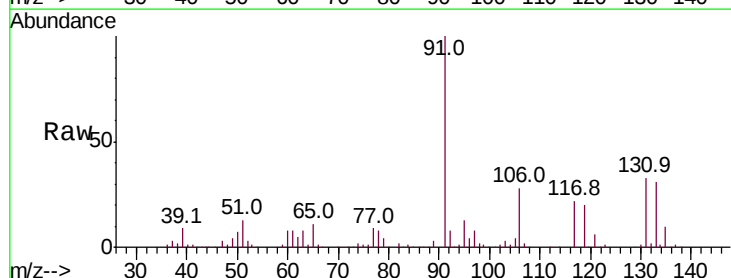
Tgt Ion:131 Resp: 910475

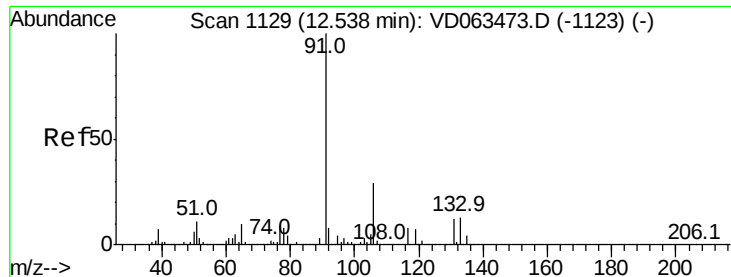
Ion Ratio Lower Upper

131 100

133 93.7 51.1 153.3

119 61.2 33.1 99.3

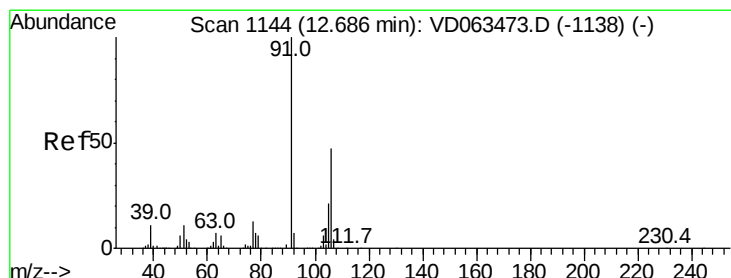
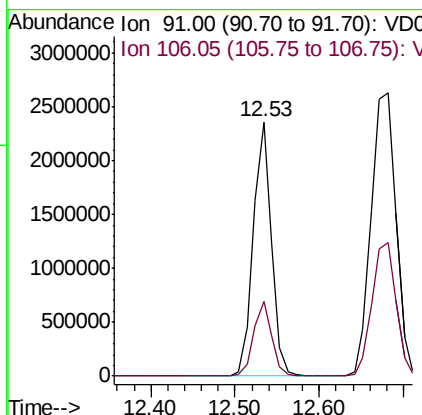
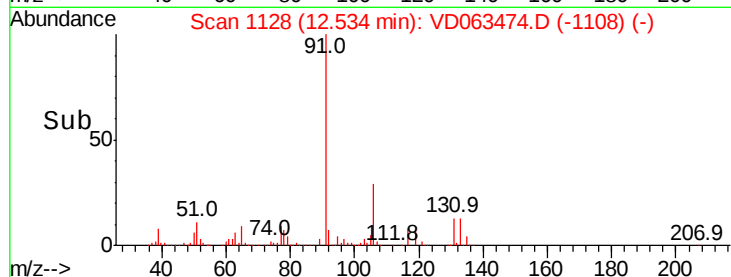
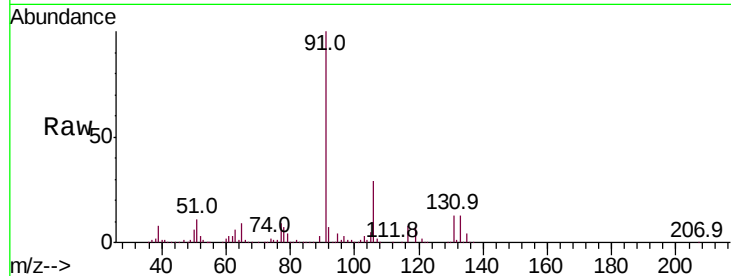




#67
Ethyl Benzene
Concen: 76.389 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VD063474.D
Acq: 9 Aug 2019 15:23

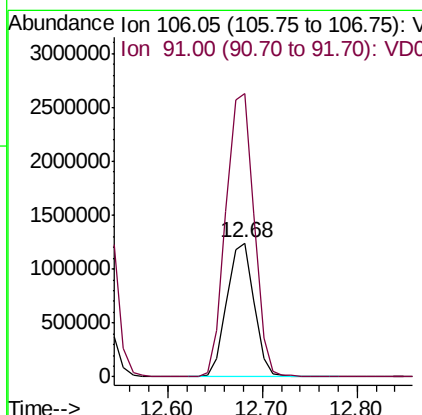
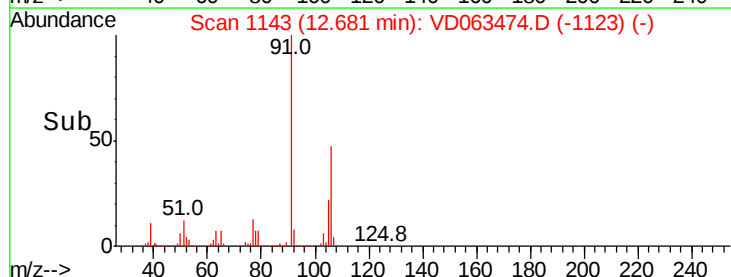
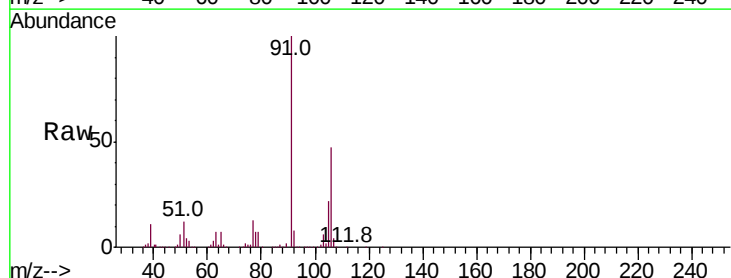
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

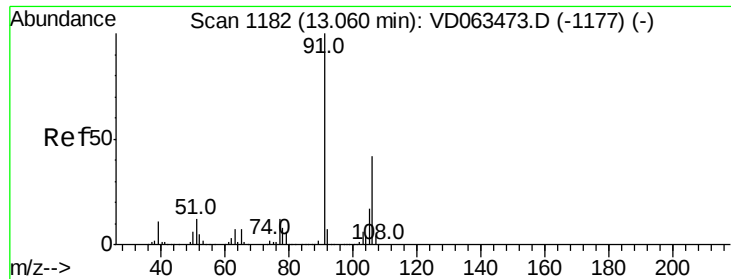
Tot Ion: 91 Resp: 3590782
Ion Ratio Lower Upper
91 100
106 29.4 23.1 34.7



#68
m/p-Xylenes
Concen: 150.624 ug/l
RT: 12.68 min Scan# 1143
Delta R.T. -0.00 min
Lab File: VD063474.D
Acq: 9 Aug 2019 15:23

Tgt Ion:106 Resp: 2487514
Ion Ratio Lower Upper
106 100
91 211.8 171.8 257.8

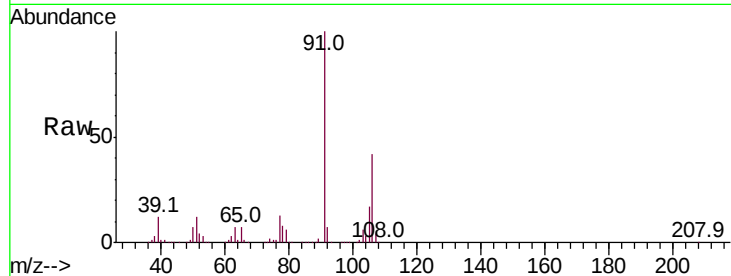




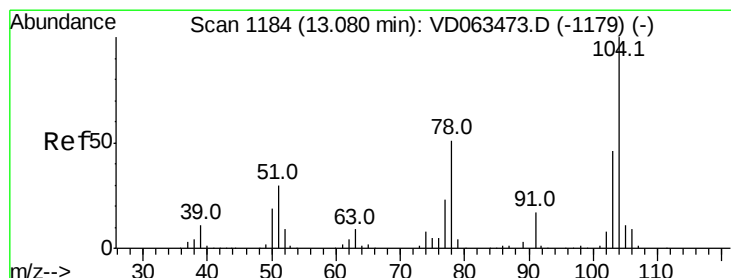
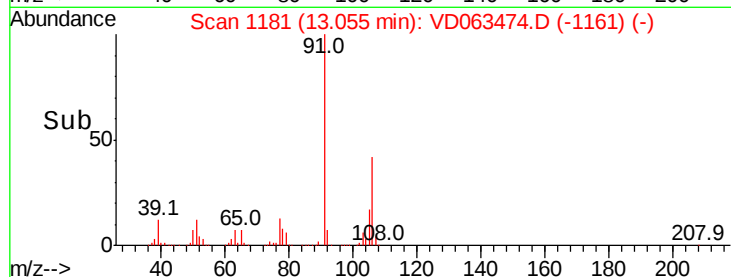
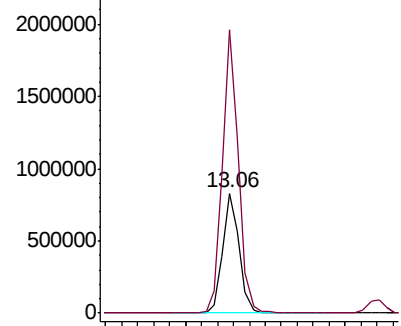
#69
o-Xylene
Concen: 76.095 ug/l
RT: 13.06 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD063474.D
Acq: 9 Aug 2019 15:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion:106 Resp: 1209522
Ion Ratio Lower Upper
106 100
91 236.1 118.1 354.2

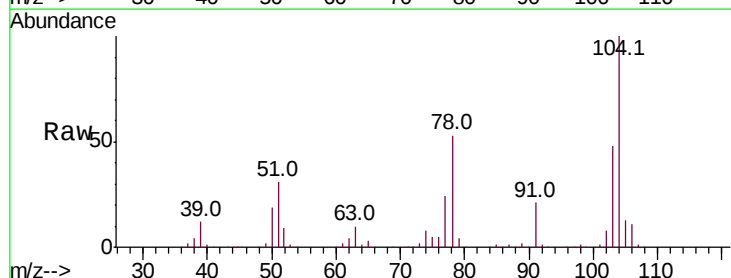


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

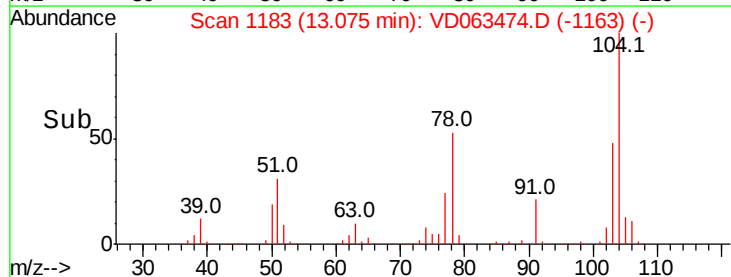
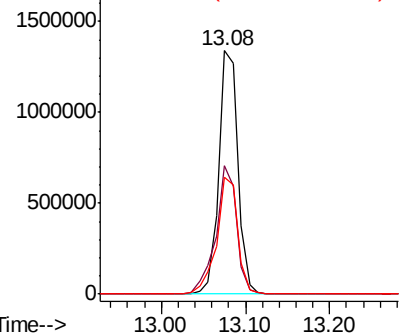


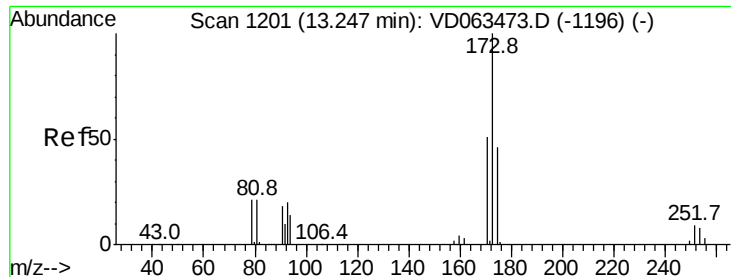
#70
Styrene
Concen: 74.837 ug/l
RT: 13.08 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD063474.D
Acq: 9 Aug 2019 15:23

Tgt Ion:104 Resp: 2115917
Ion Ratio Lower Upper
104 100
78 52.6 40.8 61.2
103 48.0 36.4 54.6



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

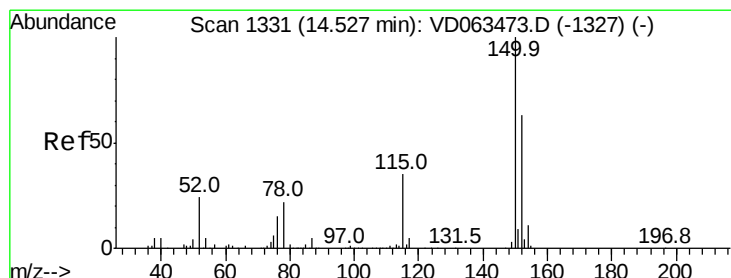
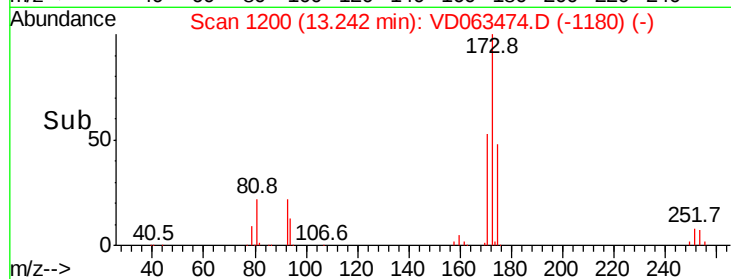
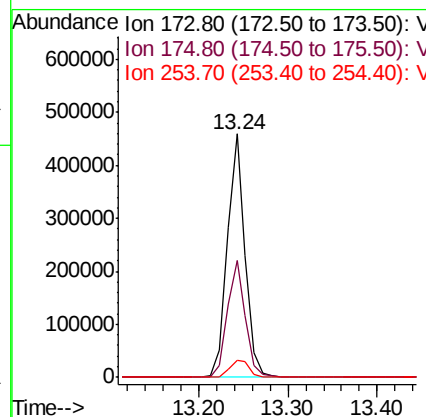
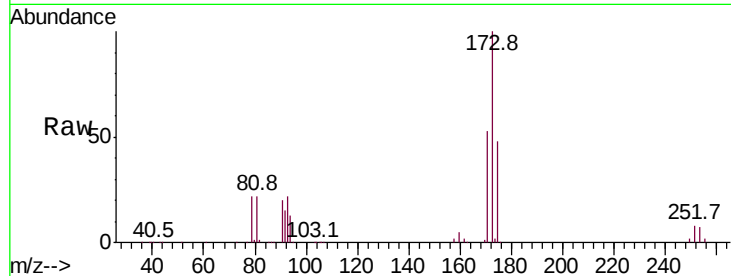




#71
Bromoform
Concen: 79.031 ug/l
RT: 13.24 min Scan# 1200
Delta R.T. -0.00 min
Lab File: VD063474.D
Acq: 9 Aug 2019 15:23

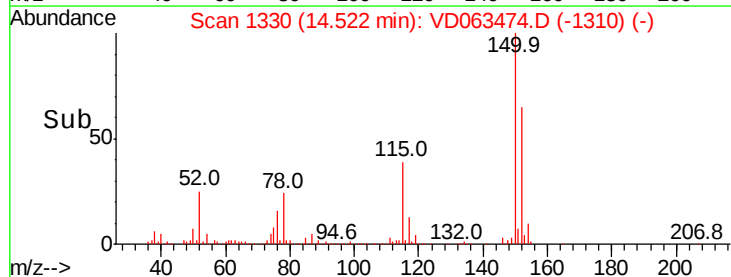
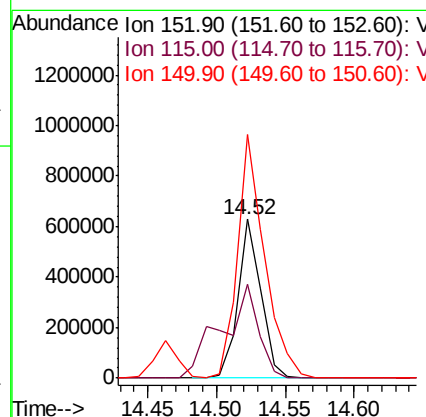
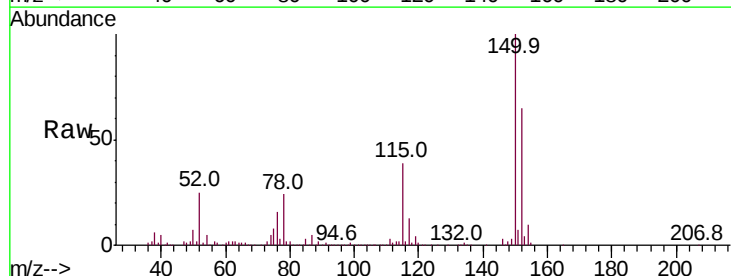
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

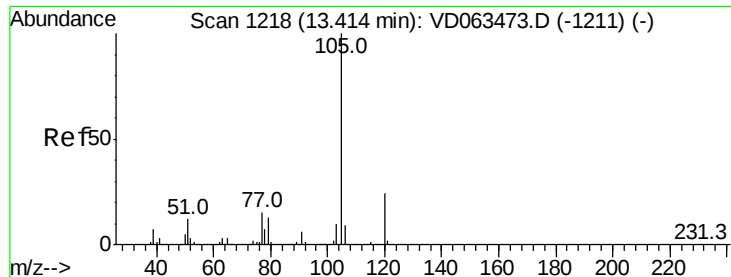
Tot Ion:173 Resp: 644749
Ion Ratio Lower Upper
173 100
175 48.3 22.8 68.3
254 7.1 6.6 9.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD063474.D
Acq: 9 Aug 2019 15:23

Tgt Ion:152 Resp: 730528
Ion Ratio Lower Upper
152 100
115 59.3 30.9 92.7
150 153.5 0.0 318.6





#73

Isopropylbenzene

Concen: 76.131 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VD063474.D

Acq: 9 Aug 2019 15:23

Instrument :

MSVOA_D

ClientSampleId :

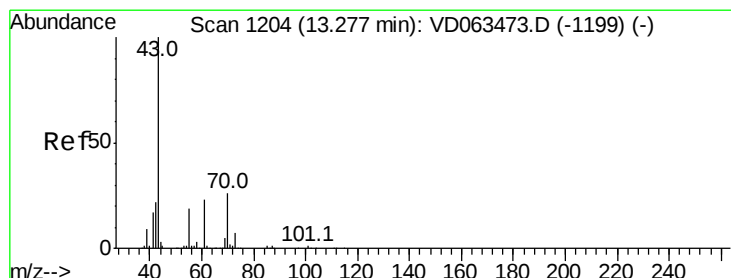
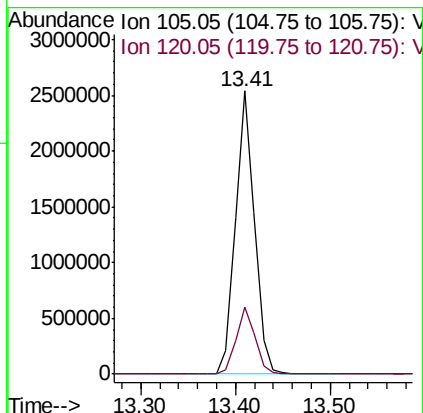
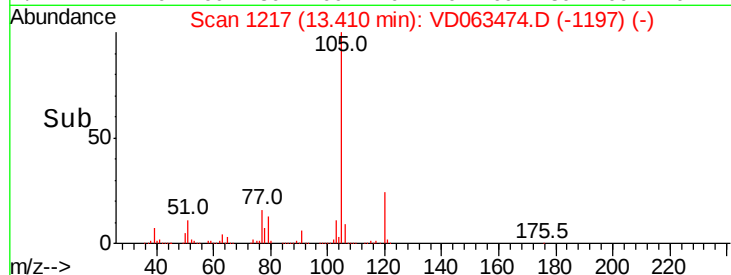
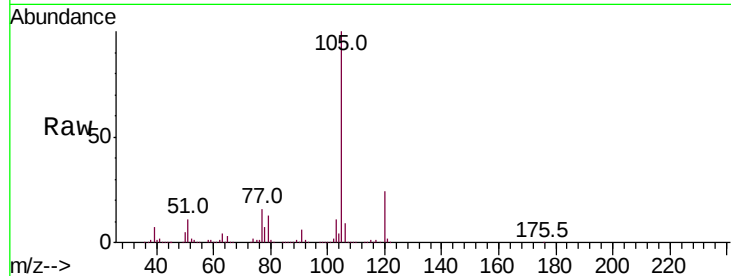
VSTDIC075

Tot Ion:105 Resp: 3537455

Ion Ratio Lower Upper

105 100

120 23.7 11.9 35.9



#74

N-ethyl acetate

Concen: 75.139 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VD063474.D

Acq: 9 Aug 2019 15:23

Tgt Ion: 43 Resp: 876440

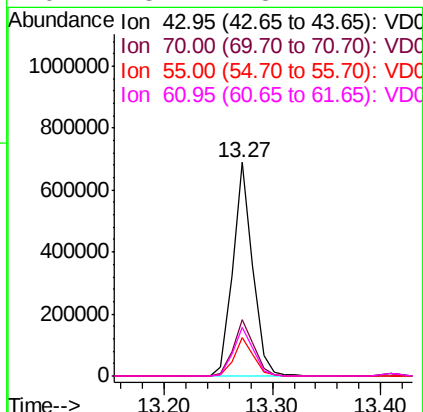
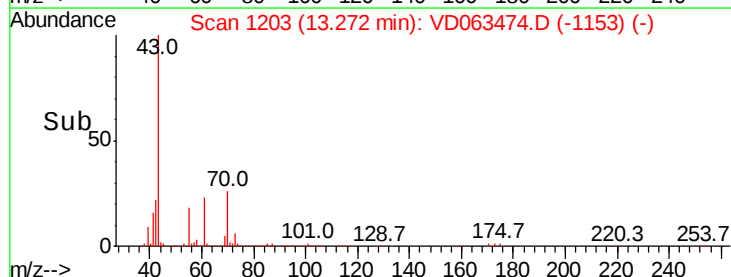
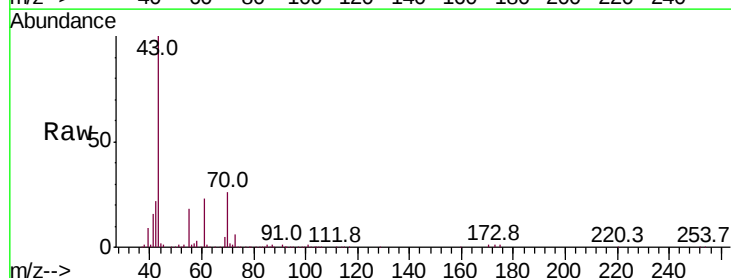
Ion Ratio Lower Upper

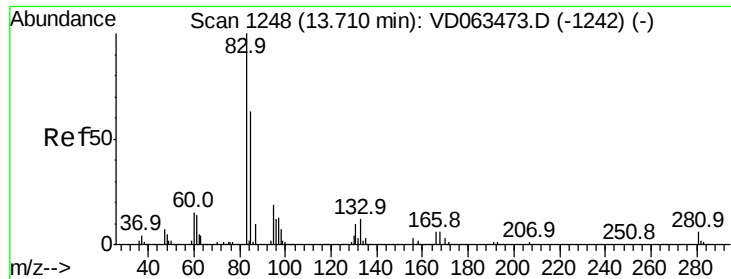
43 100

70 26.4 21.1 31.7

55 18.0 15.4 23.0

61 23.1 18.2 27.2





#75

1,1,2,2-Tetrachloroethane

Concen: 79.234 ug/l

RT: 13.71 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VD063474.D

Acq: 9 Aug 2019 15:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

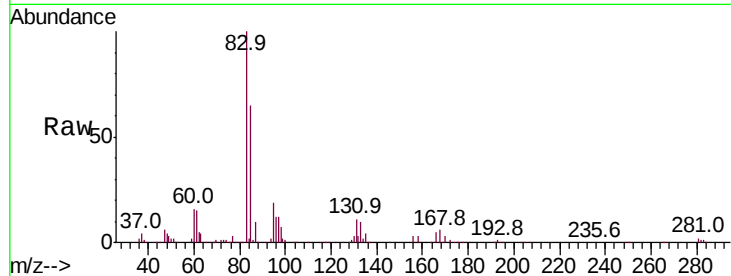
Tot Ion: 83 Resp: 611087

Ion Ratio Lower Upper

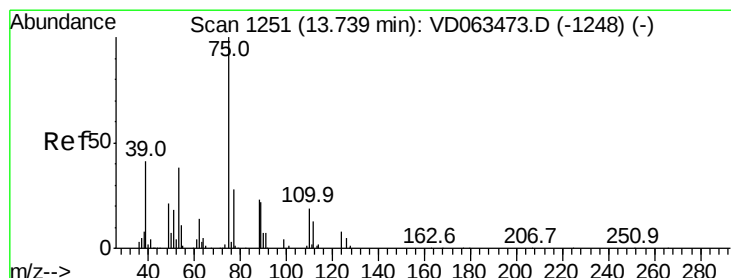
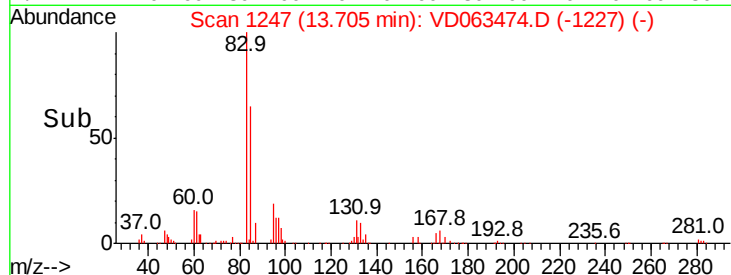
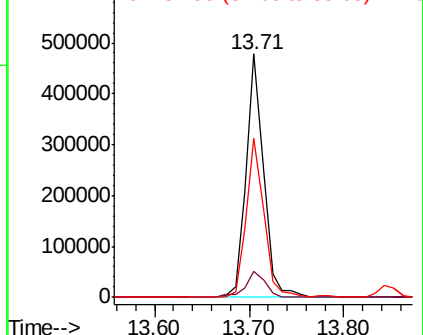
83 100

131 10.7 5.3 15.8

85 65.4 31.4 94.3



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: 81.598 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VD063474.D

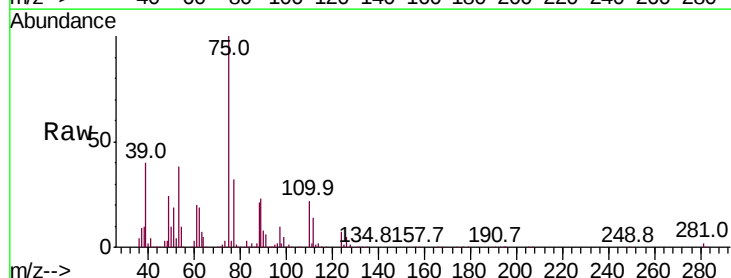
Acq: 9 Aug 2019 15:23

Tgt Ion: 75 Resp: 684117

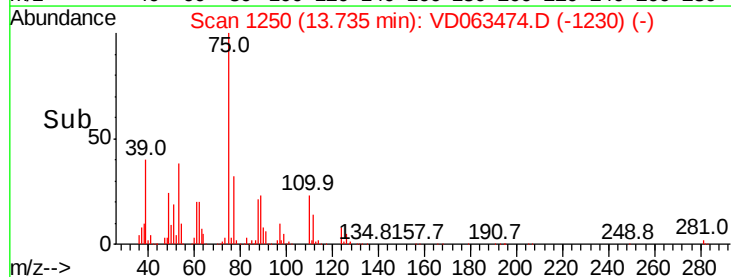
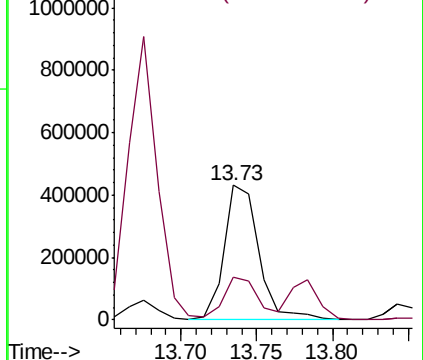
Ion Ratio Lower Upper

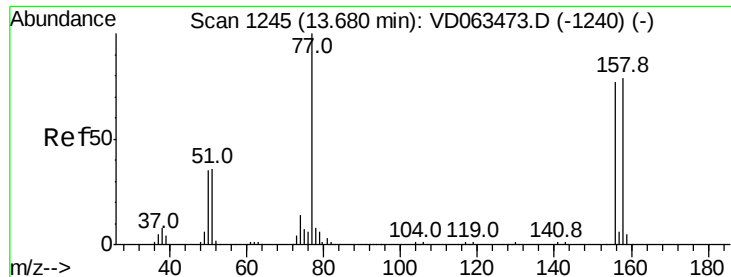
75 100

77 31.9 15.1 45.3



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





#77

Bromobenzene

Concen: 75.880 ug/l

RT: 13.68 min Scan# 1244

Delta R.T. -0.00 min

Lab File: VD063474.D

Acq: 9 Aug 2019 15:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

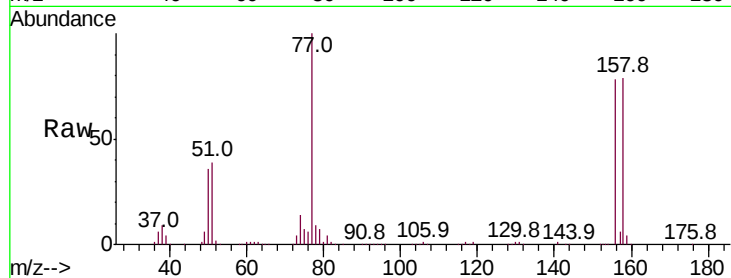
Tot Ion:156 Resp: 963620

Ion Ratio Lower Upper

156 100

77 127.9 64.6 193.8

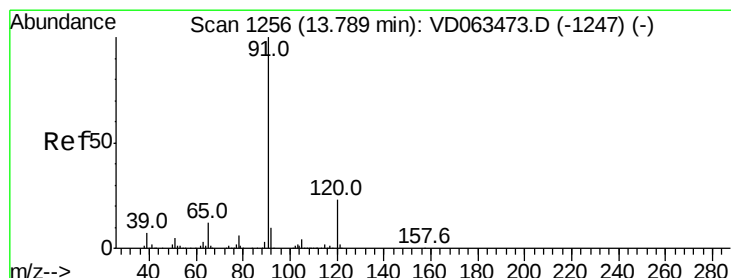
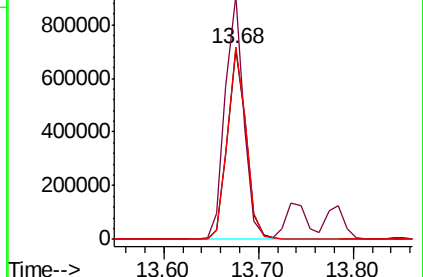
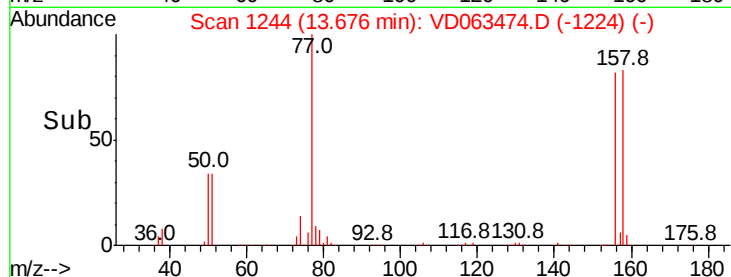
158 101.2 50.9 152.7



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 78.489 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VD063474.D

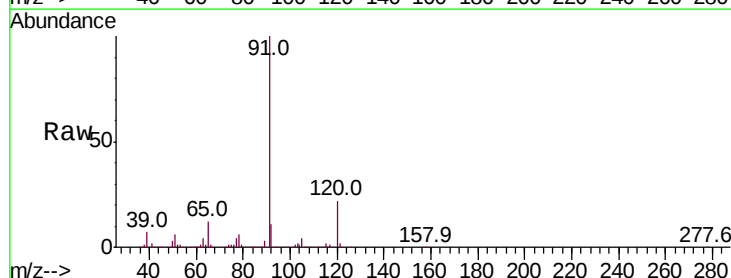
Acq: 9 Aug 2019 15:23

Tgt Ion: 91 Resp: 4267157

Ion Ratio Lower Upper

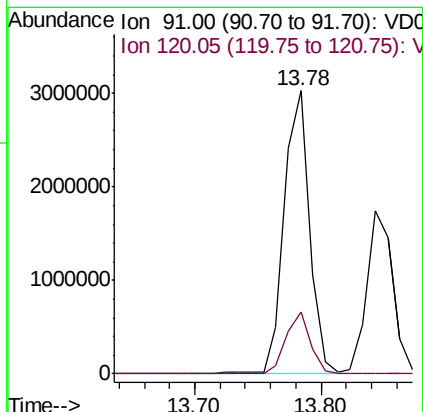
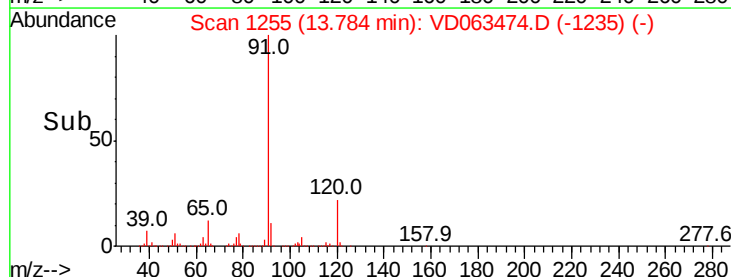
91 100

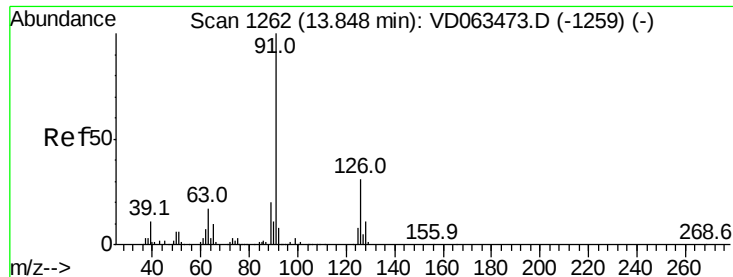
120 22.0 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

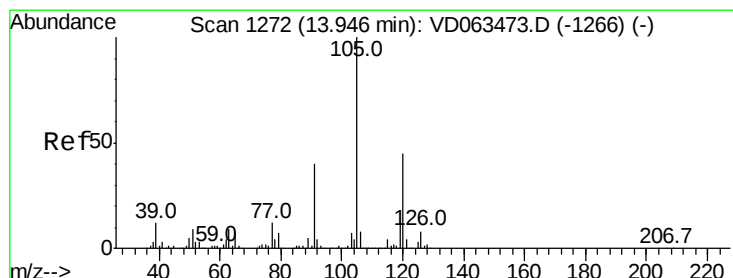
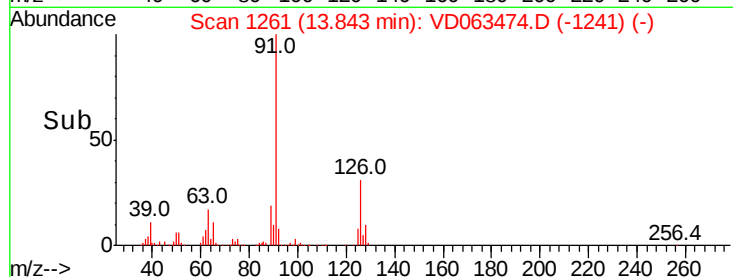
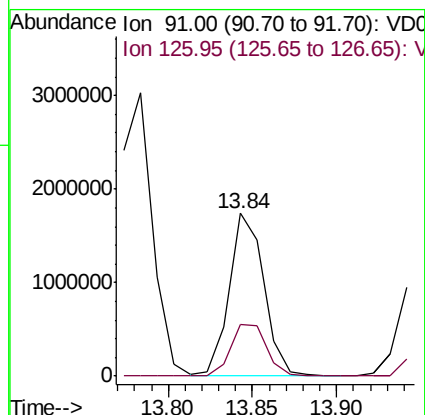
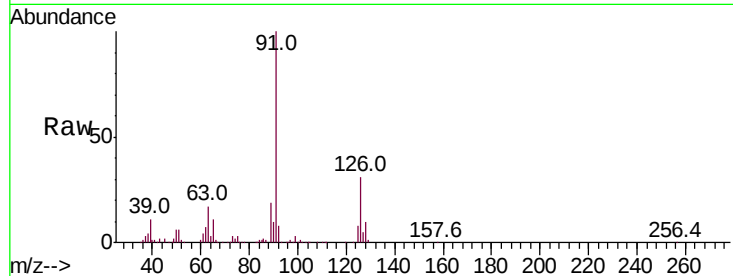




#79
 2-Chlorotoluene
 Concen: 78.993 ug/l
 RT: 13.84 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VD063474.D
 Acq: 9 Aug 2019 15:23

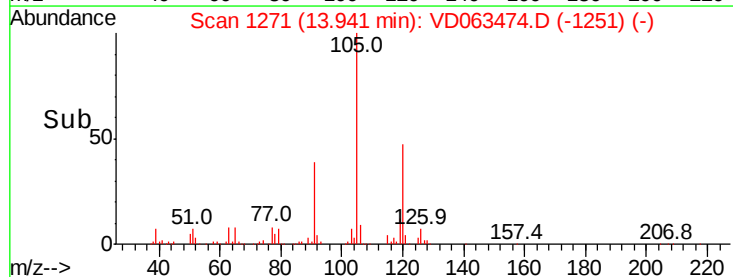
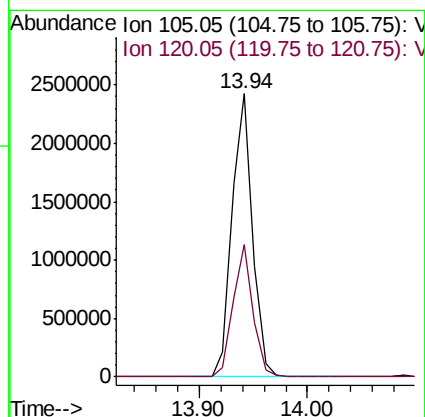
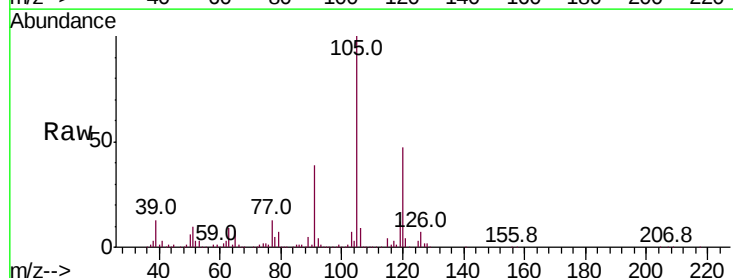
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

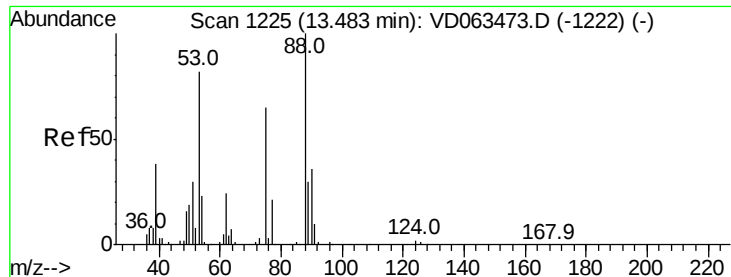
Tot Ion: 91 Resp: 2475847
 Ion Ratio Lower Upper
 91 100
 126 31.4 15.6 46.7



#80
 1,3,5-Trimethylbenzene
 Concen: 78.403 ug/l
 RT: 13.94 min Scan# 1271
 Delta R.T. -0.00 min
 Lab File: VD063474.D
 Acq: 9 Aug 2019 15:23

Tgt Ion:105 Resp: 3183061
 Ion Ratio Lower Upper
 105 100
 120 46.8 22.8 68.3





#81

trans-1,4-Dichloro-2-butene

Concen: 81.490 ug/l

RT: 13.48 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VD063474.D

Acq: 9 Aug 2019 15:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

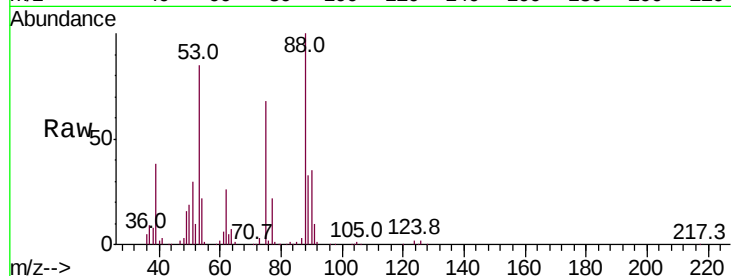
Tot Ion: 75 Resp: 183631

Ion Ratio Lower Upper

75 100

53 125.0 101.0 151.4

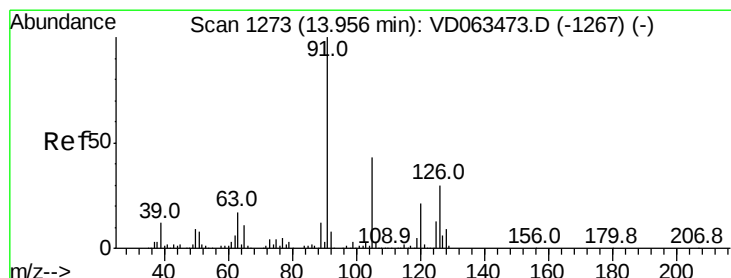
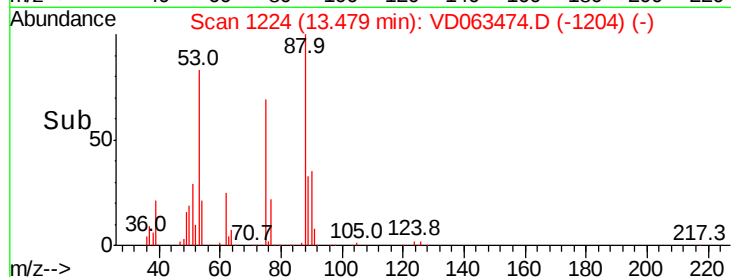
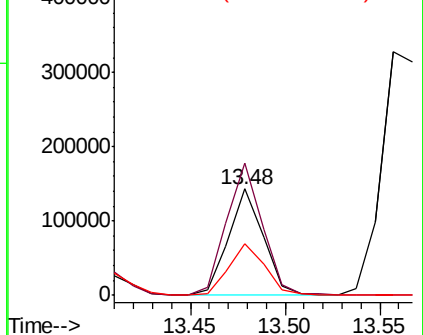
89 48.2 37.0 55.6



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 78.835 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VD063474.D

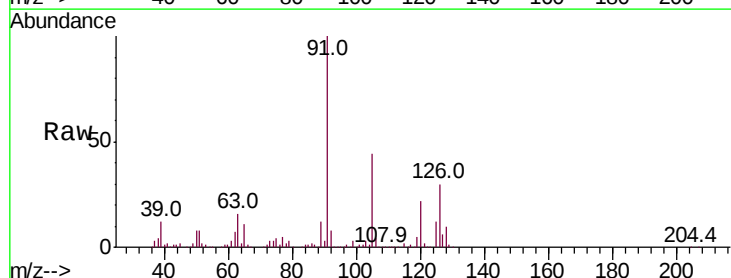
Acq: 9 Aug 2019 15:23

Tgt Ion: 91 Resp: 2971606

Ion Ratio Lower Upper

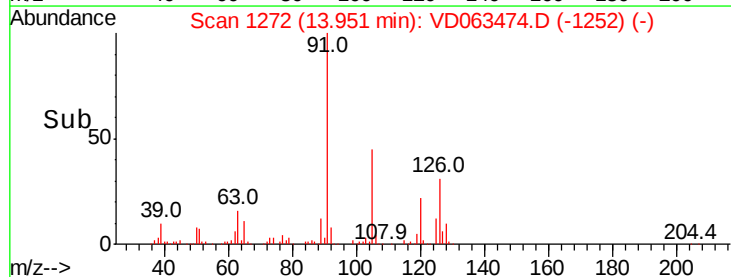
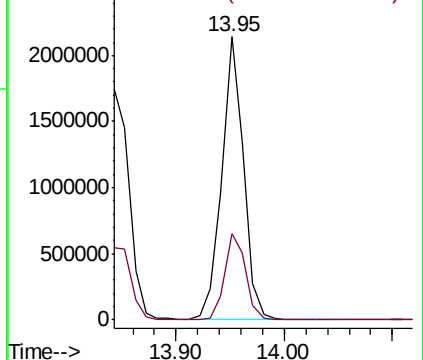
91 100

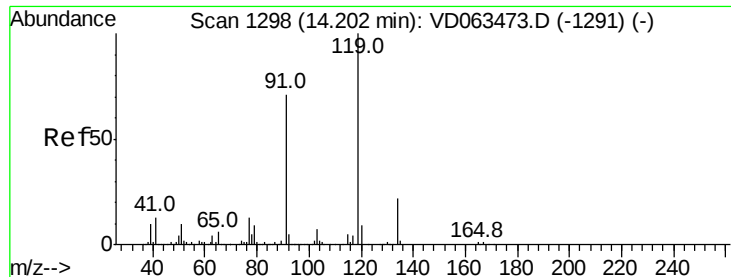
126 30.3 15.2 45.6



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V





#83

tert-Butylbenzene

Concen: 79.703 ug/l

RT: 14.20 min Scan# 1297

Delta R.T. -0.00 min

Lab File: VD063474.D

Acq: 9 Aug 2019 15:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

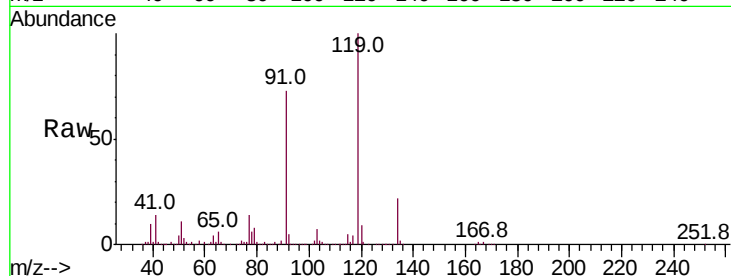
Tot Ion:119 Resp: 3407474

Ion Ratio Lower Upper

119 100

91 72.6 35.5 106.7

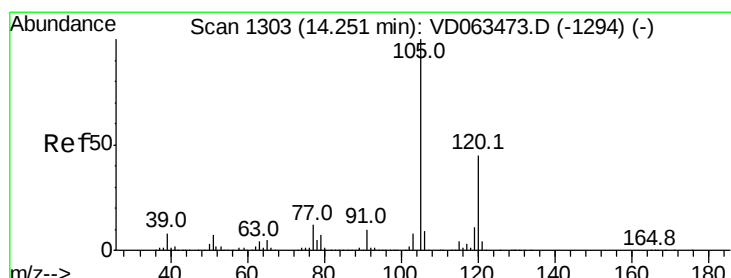
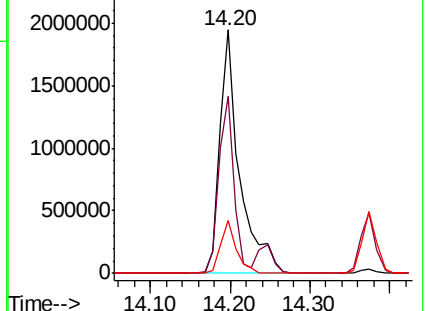
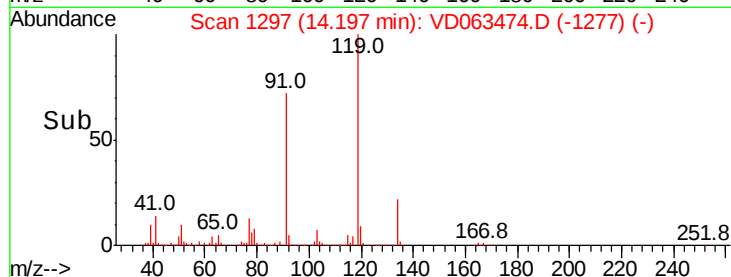
134 21.7 11.1 33.1



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 76.078 ug/l

RT: 14.25 min Scan# 1302

Delta R.T. -0.00 min

Lab File: VD063474.D

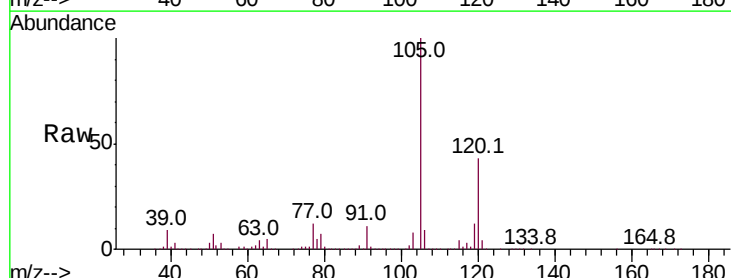
Acq: 9 Aug 2019 15:23

Tgt Ion:105 Resp: 2857823

Ion Ratio Lower Upper

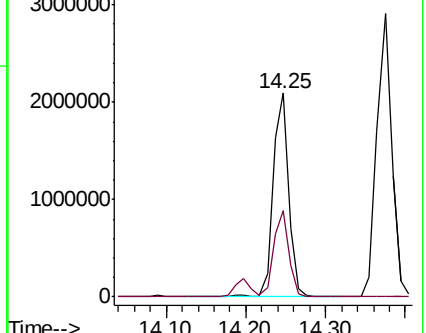
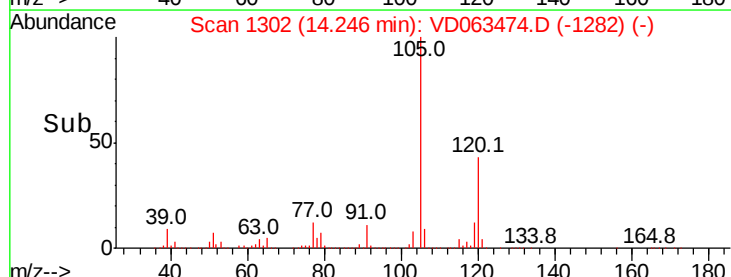
105 100

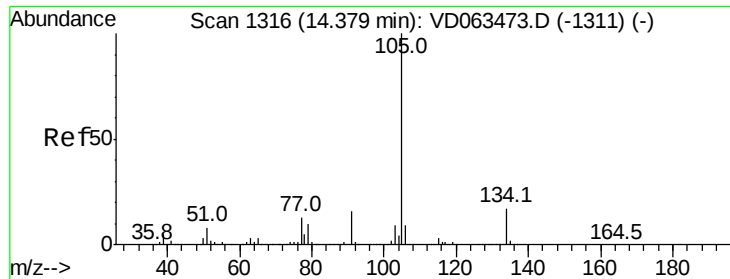
120 42.7 22.7 68.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

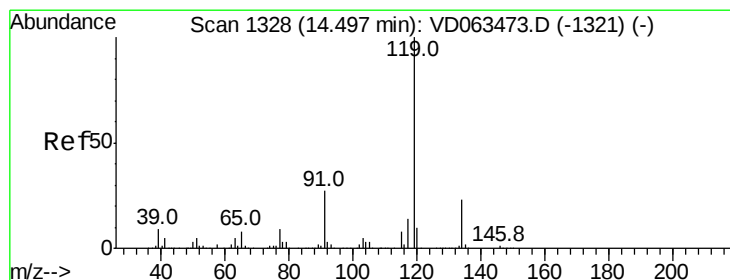
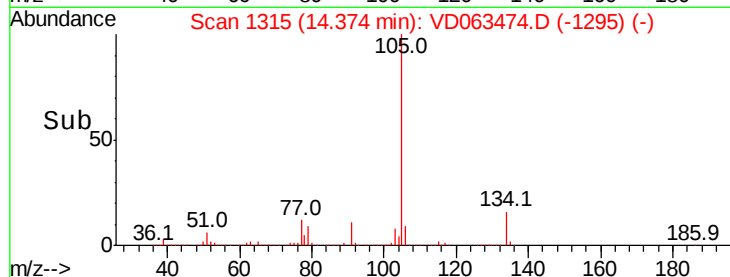
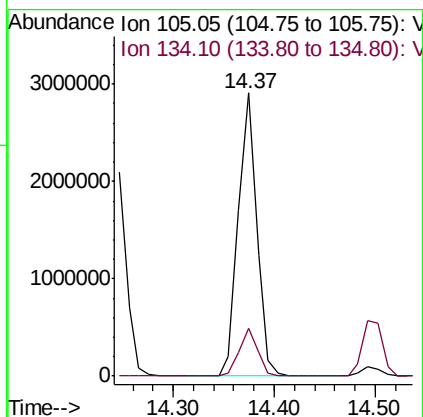
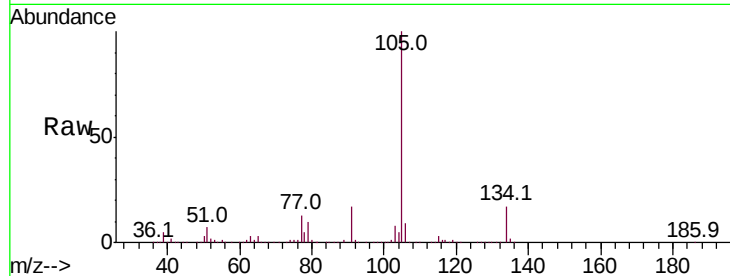




#85
 sec-Butylbenzene
 Concen: 81.473 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VD063474.D
 Acq: 9 Aug 2019 15:23

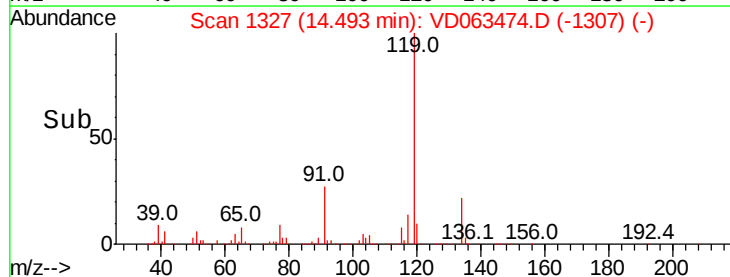
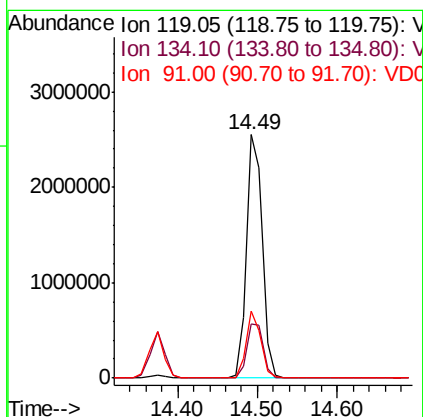
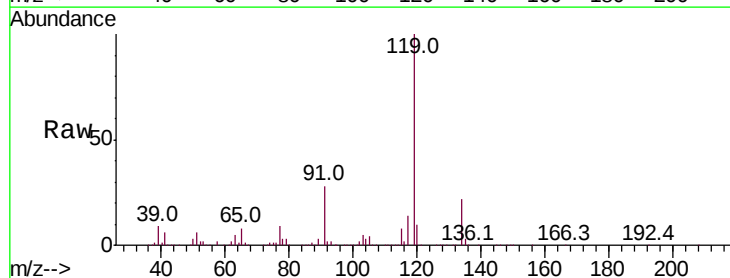
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

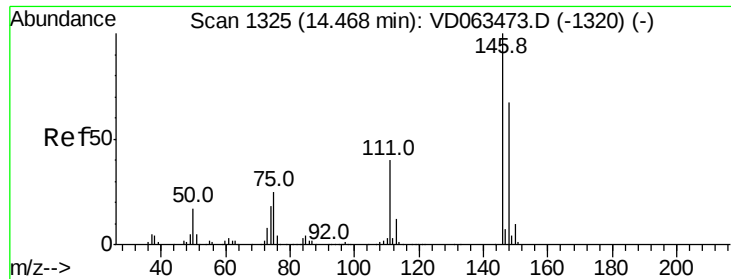
Tot Ion:105 Resp: 3699010
 Ion Ratio Lower Upper
 105 100
 134 16.9 8.3 24.8



#86
 p-Isopropyltoluene
 Concen: 79.594 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. -0.00 min
 Lab File: VD063474.D
 Acq: 9 Aug 2019 15:23

Tgt Ion:119 Resp: 3455233
 Ion Ratio Lower Upper
 119 100
 134 22.2 11.3 33.8
 91 27.5 13.5 40.4





#87

1,3-Dichlorobenzene

Concen: 76.745 ug/l

RT: 14.46 min Scan# 1324

Delta R.T. -0.00 min

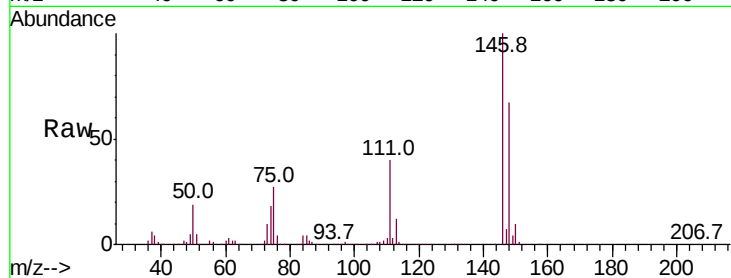
Lab File: VD063474.D

Acq: 9 Aug 2019 15:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion:146 Resp: 1762868

Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.0	60.0
148	67.5	33.6	100.6

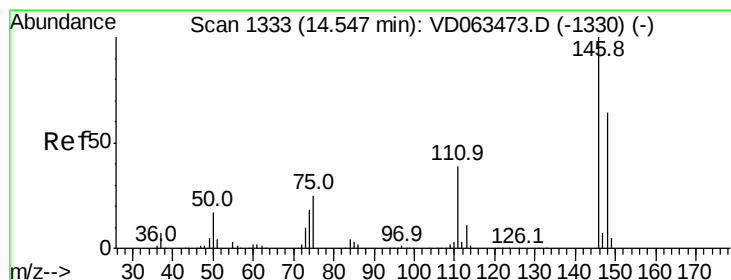
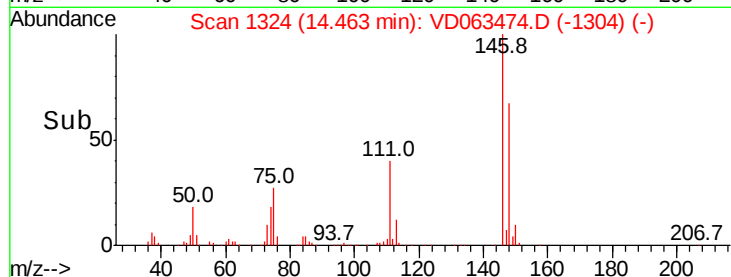
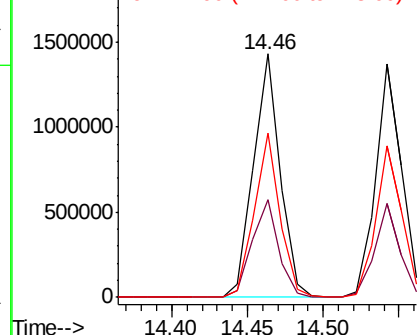


Abundance

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



#88

1,4-Dichlorobenzene

Concen: 75.003 ug/l

RT: 14.54 min Scan# 1332

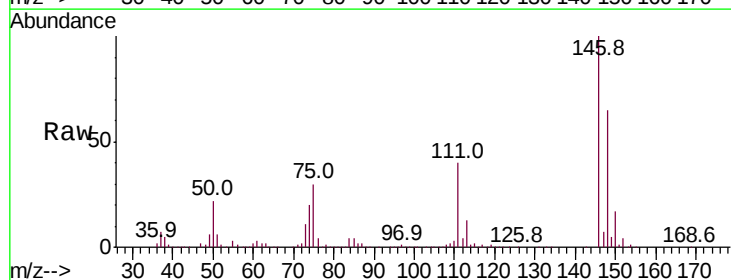
Delta R.T. -0.00 min

Lab File: VD063474.D

Acq: 9 Aug 2019 15:23

Tgt Ion:146 Resp: 1652953

Ion	Ratio	Lower	Upper
146	100		
111	40.4	19.7	59.0
148	64.9	32.1	96.3

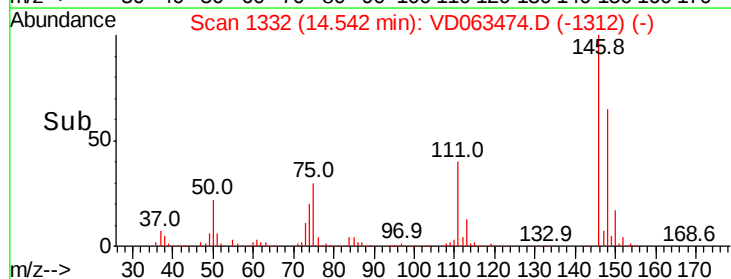
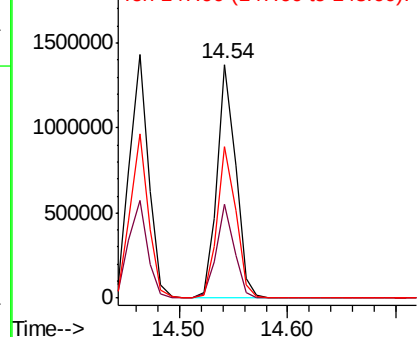


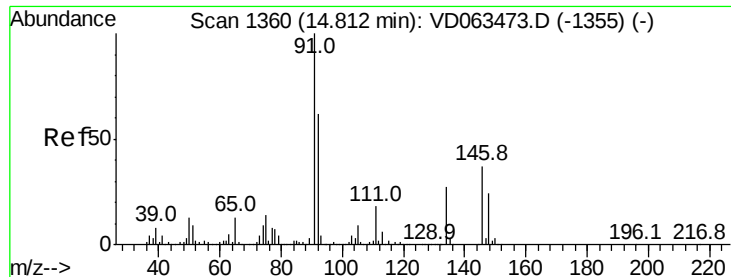
Abundance

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





#89

n-Butylbenzene

Concen: 77.163 ug/l

RT: 14.81 min Scan# 1359

Delta R.T. -0.00 min

Lab File: VD063474.D

Acq: 9 Aug 2019 15:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

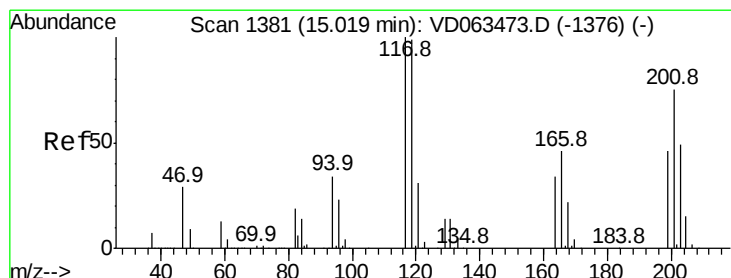
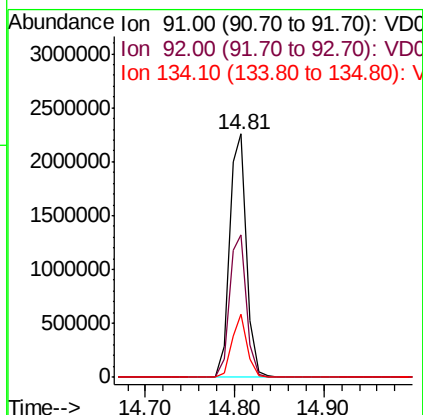
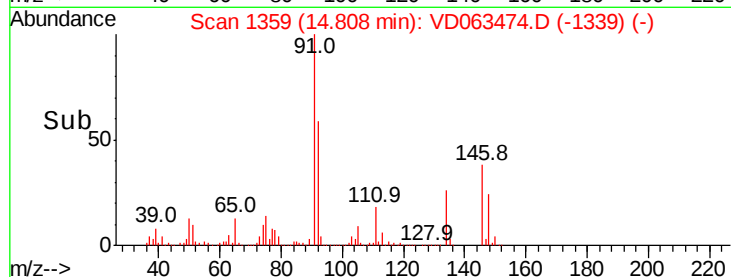
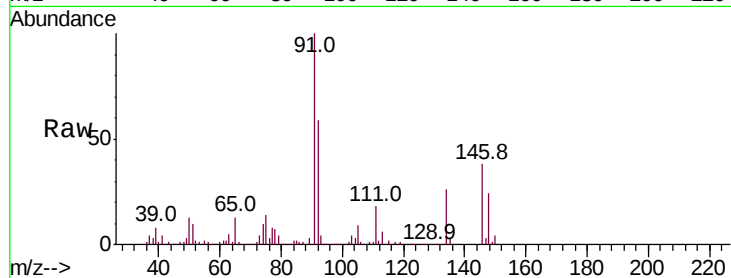
Tot Ion: 91 Resp: 3057214

Ion Ratio Lower Upper

91 100

92 58.7 30.8 92.3

134 26.1 13.4 40.2



#90

Hexachloroethane

Concen: 83.214 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. -0.00 min

Lab File: VD063474.D

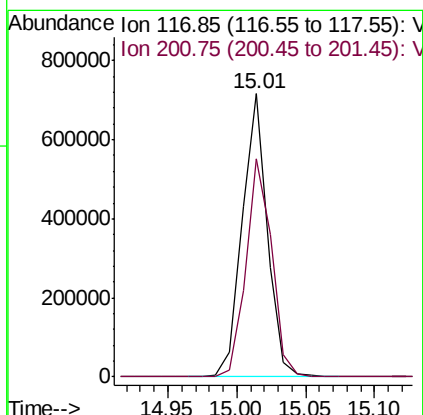
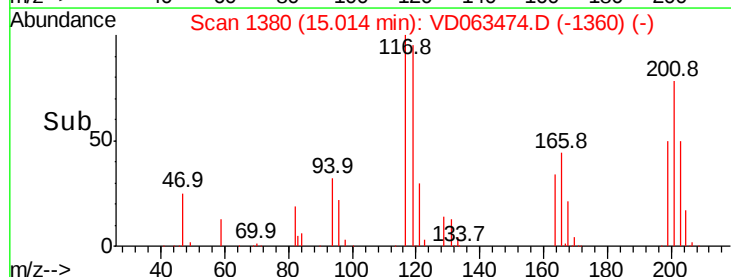
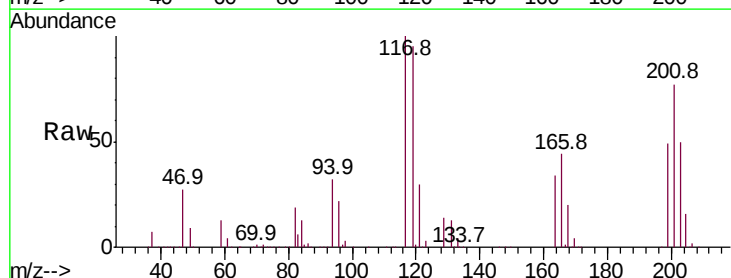
Acq: 9 Aug 2019 15:23

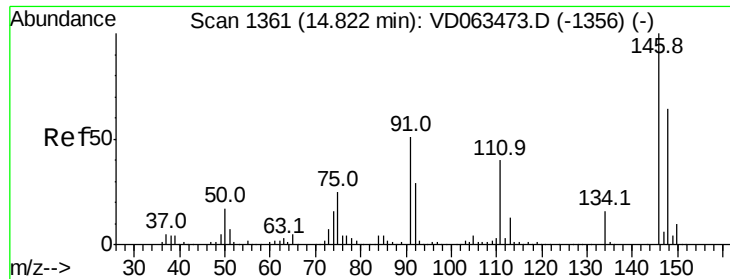
Tgt Ion: 117 Resp: 907962

Ion Ratio Lower Upper

117 100

201 77.2 37.5 112.5

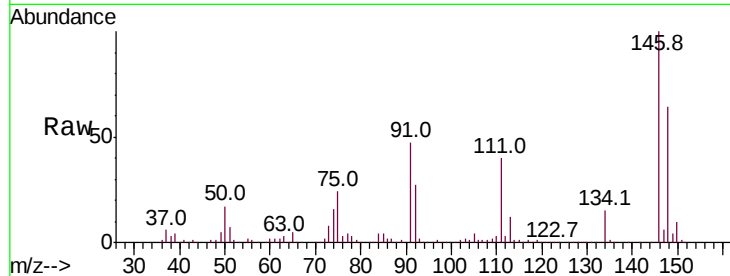




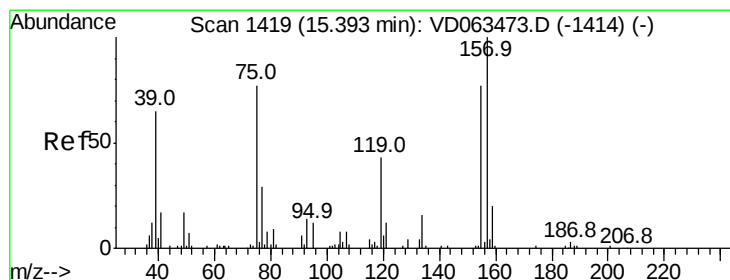
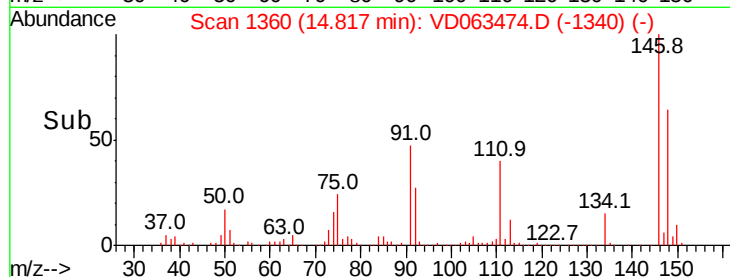
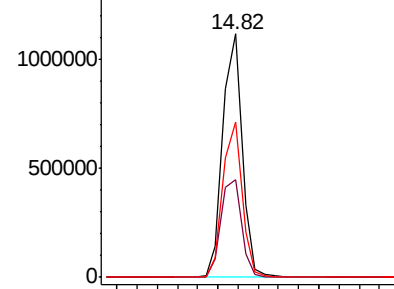
#91
 1,2-Dichlorobenzene
 Concen: 76.571 ug/l
 RT: 14.82 min Scan# 1360
 Delta R.T. -0.00 min
 Lab File: VD063474.D
 Acq: 9 Aug 2019 15:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion:146 Resp: 1492273
 Ion Ratio Lower Upper
 146 100
 111 40.4 20.2 60.6
 148 63.5 32.1 96.5

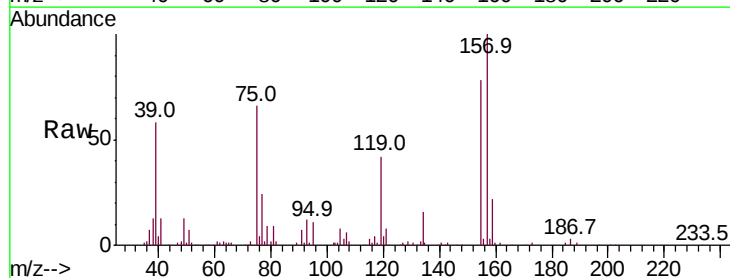


Abundance Ion 145.95 (145.65 to 146.65): V
 1500000 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

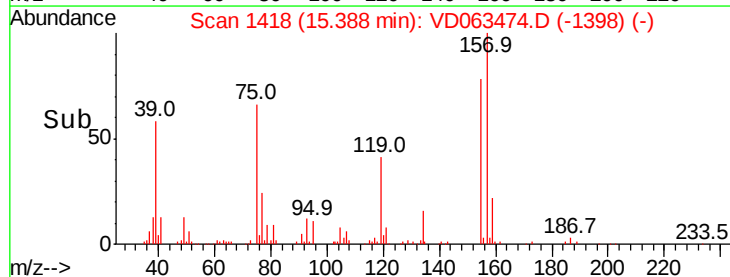
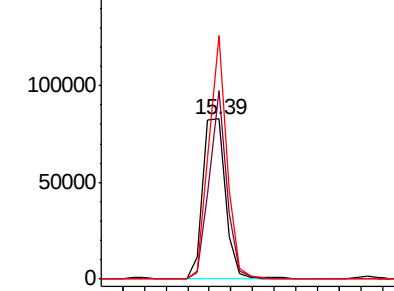


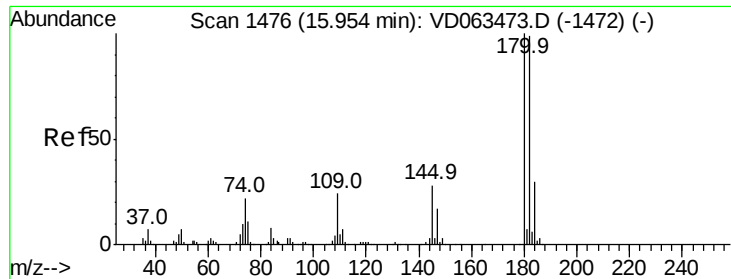
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 83.736 ug/l
 RT: 15.39 min Scan# 1418
 Delta R.T. -0.00 min
 Lab File: VD063474.D
 Acq: 9 Aug 2019 15:23

Tgt Ion: 75 Resp: 121601
 Ion Ratio Lower Upper
 75 100
 155 117.9 50.1 150.3
 157 151.9 65.0 195.1



Abundance Ion 75.00 (74.70 to 75.70): VDC
 150000 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V

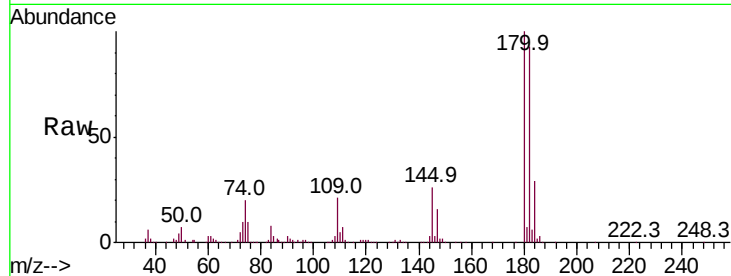




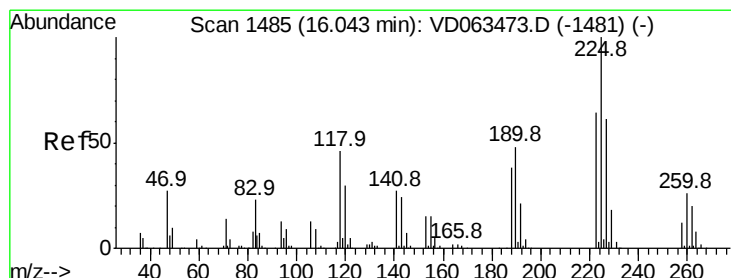
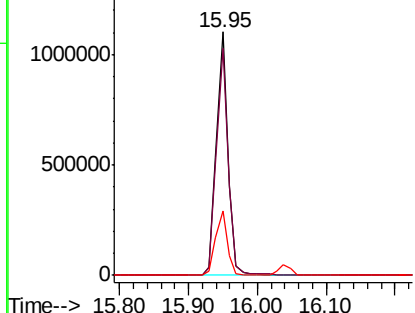
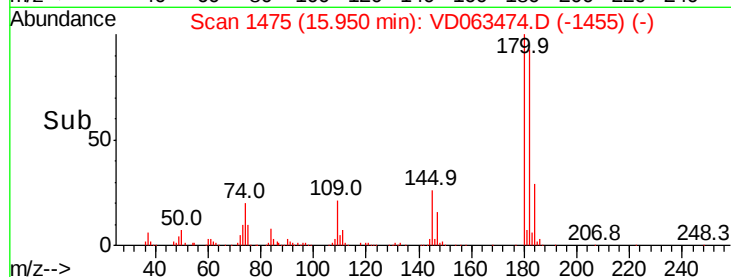
#93
 1,2,4-Trichlorobenzene
 Concen: 89.499 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD063474.D
 Acq: 9 Aug 2019 15:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion:180 Resp: 1283446
 Ion Ratio Lower Upper
 180 100
 182 93.4 49.7 149.1
 145 26.4 14.1 42.2

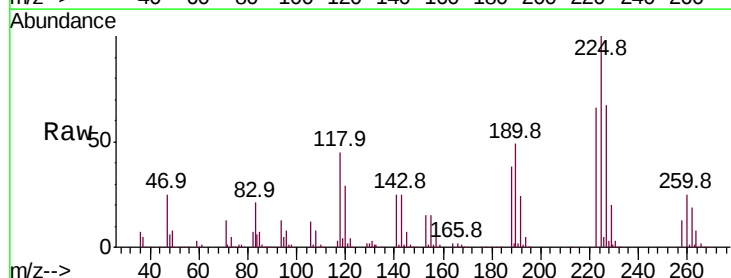


Abundance Ion 179.85 (179.55 to 180.55): V
 1500000 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

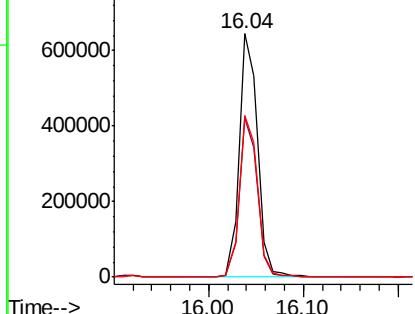
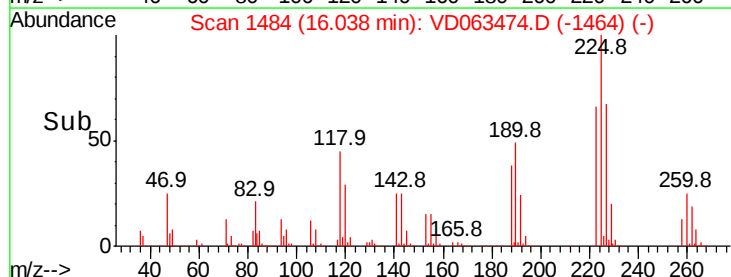


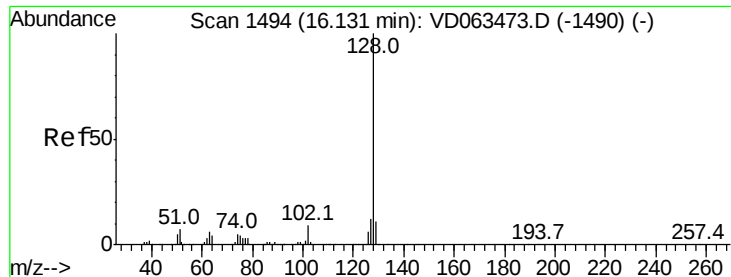
#94
 Hexachlorobutadiene
 Concen: 79.131 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VD063474.D
 Acq: 9 Aug 2019 15:23

Tgt Ion:225 Resp: 864844
 Ion Ratio Lower Upper
 225 100
 223 65.6 31.9 95.5
 227 66.6 30.7 92.1



Abundance Ion 224.75 (224.45 to 225.45): V
 800000 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V

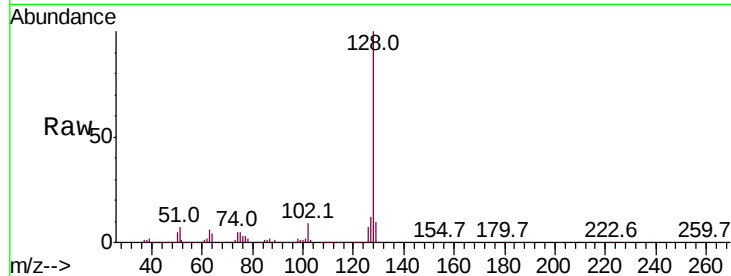




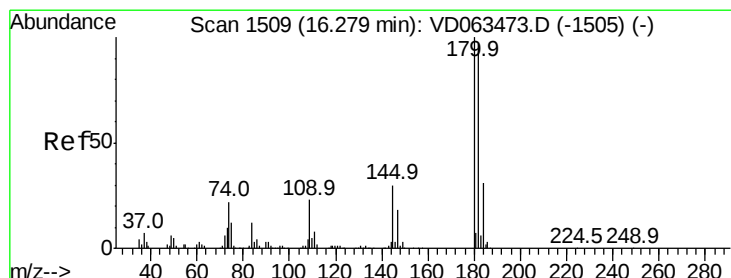
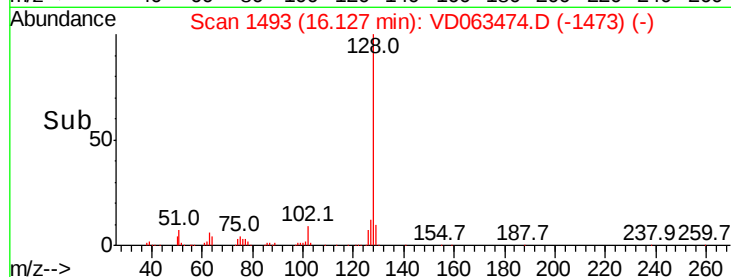
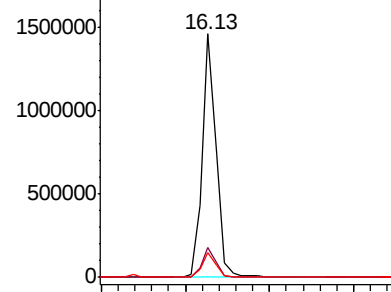
#95
Naphthalene
Concen: 76.750 ug/l
RT: 16.13 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VD063474.D
Acq: 9 Aug 2019 15:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion:128 Resp: 1667987
Ion Ratio Lower Upper
128 100
127 12.1 9.4 14.0
129 10.4 8.5 12.7

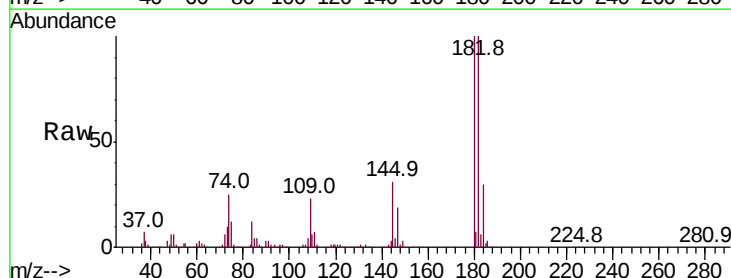


Abundance Ion 128.00 (127.70 to 128.70): V
2000000 Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 76.992 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.00 min
Lab File: VD063474.D
Acq: 9 Aug 2019 15:23

Tgt Ion:180 Resp: 891764
Ion Ratio Lower Upper
180 100
182 99.7 48.4 145.2
145 30.5 14.9 44.9



Abundance Ion 179.85 (179.55 to 180.55): V
1000000 Ion 181.85 (181.55 to 182.55): V
Ion 144.95 (144.65 to 145.65): V

