

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

33) 1,2-Dichloroethane-d4	7.46	65	966863	74.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	148.16%	
35) Dibromofluoromethane	6.93	113	1077008	75.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	151.00%	
50) Toluene-d8	10.43	98	2507236	79.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	159.88%	
62) 4-Bromofluorobenzene	13.56	95	1059448	74.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	149.06%	

Target Compounds

						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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 Quant Title : SW846 8260
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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

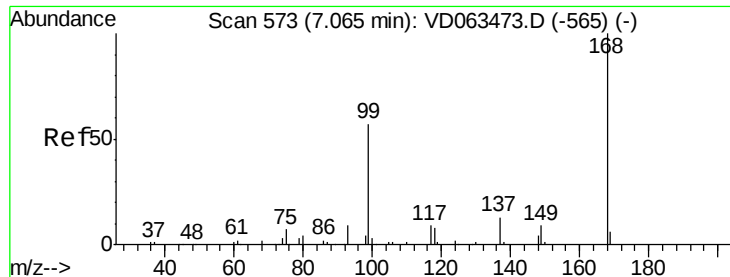
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD080919\
Data File : VD063474.D
Acq On : 9 Aug 2019 15:23
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Response via : Initial Calibration

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 :

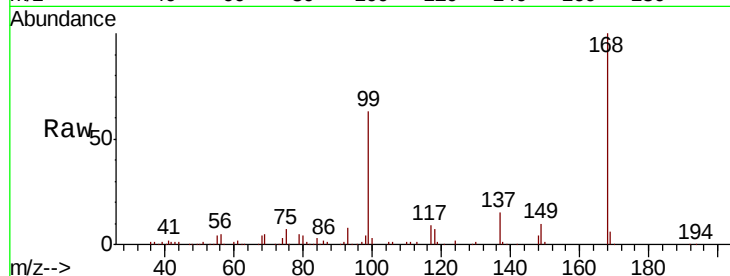
VSTDIC075

Tgt Ion:168 Resp: 1219343

Ion Ratio Lower Upper

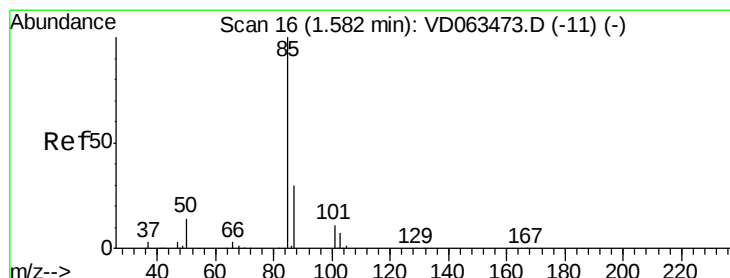
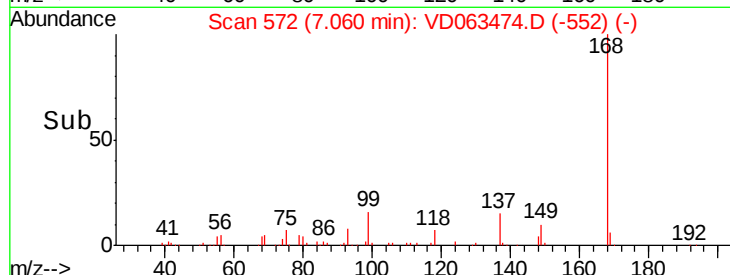
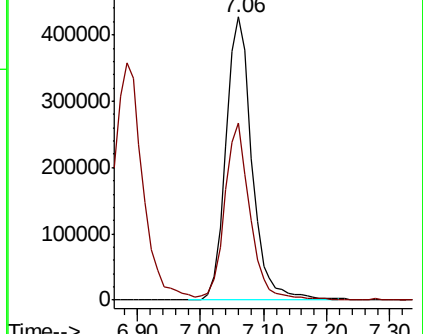
168 100

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



#2

Dichlorodifluoromethane

Concen: 74.143 ug/l

RT: 1.58 min Scan# 15

Delta R.T. -0.00 min

Lab File: VD063474.D

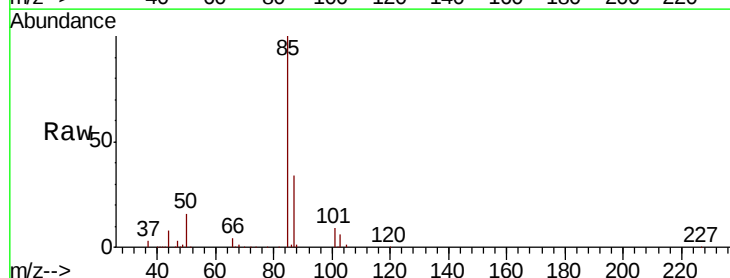
Acq: 9 Aug 2019 15:23

Tgt Ion: 85 Resp: 1095483

Ion Ratio Lower Upper

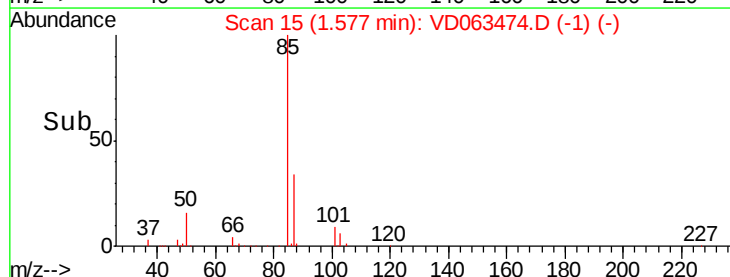
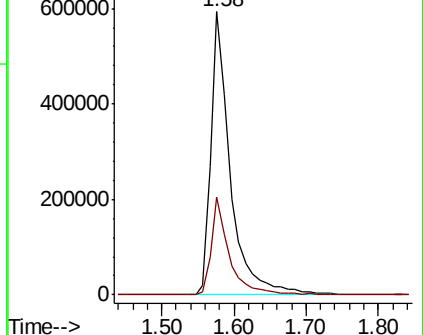
85 100

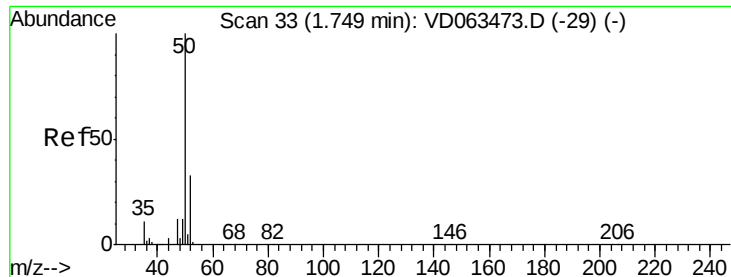
87 34.5 15.0 45.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#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 :

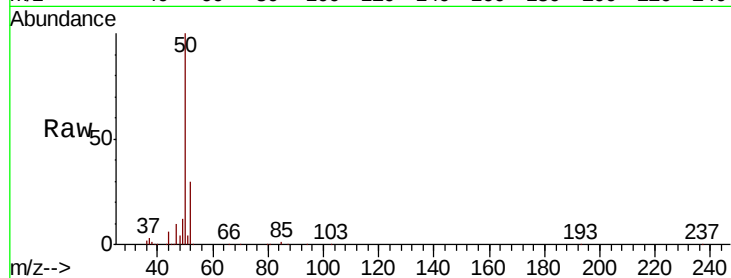
VSTDIC075

Tgt Ion: 50 Resp: 863210

Ion Ratio Lower Upper

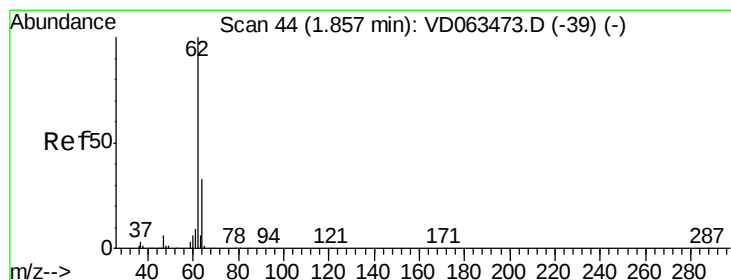
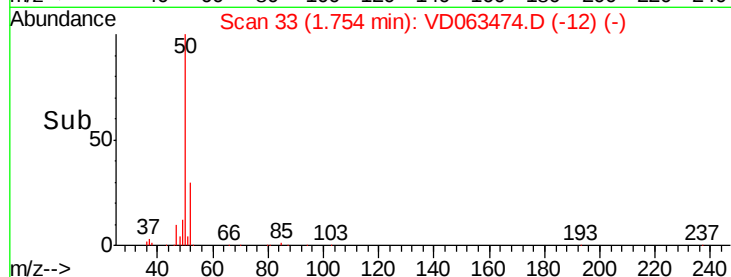
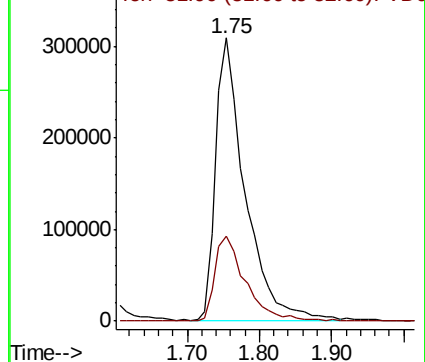
50 100

52 30.1 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 78.114 ug/l

RT: 1.85 min Scan# 43

Delta R.T. -0.00 min

Lab File: VD063474.D

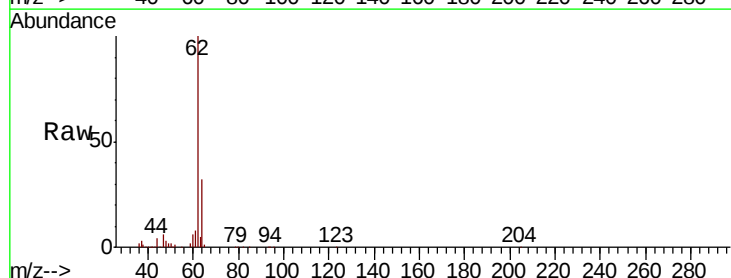
Acq: 9 Aug 2019 15:23

Tgt Ion: 62 Resp: 895096

Ion Ratio Lower Upper

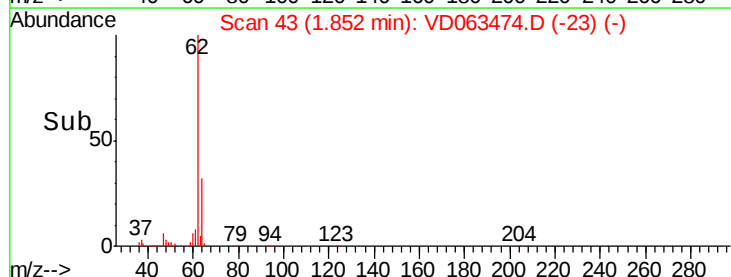
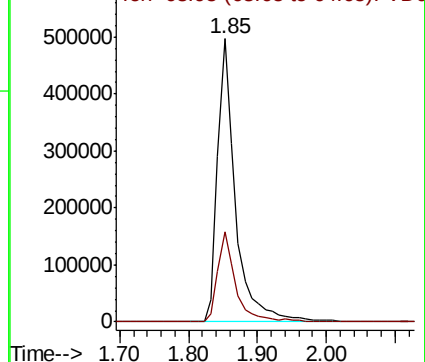
62 100

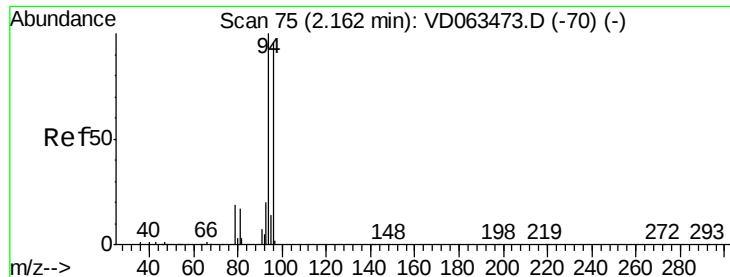
64 31.7 26.4 39.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#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

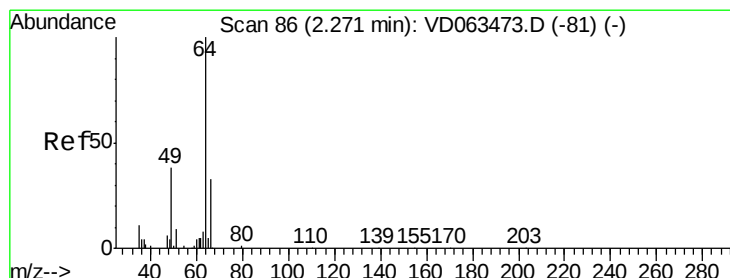
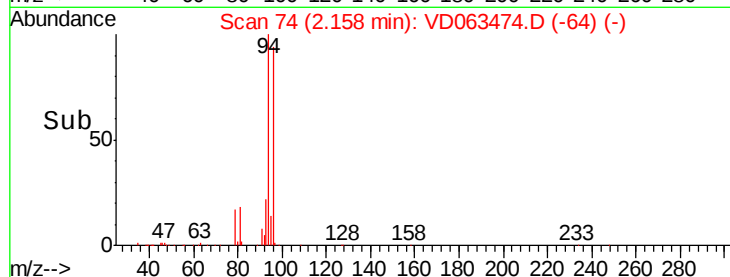
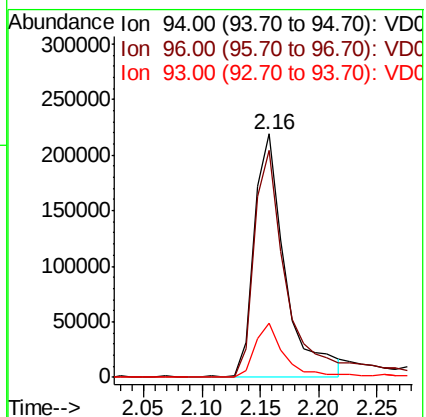
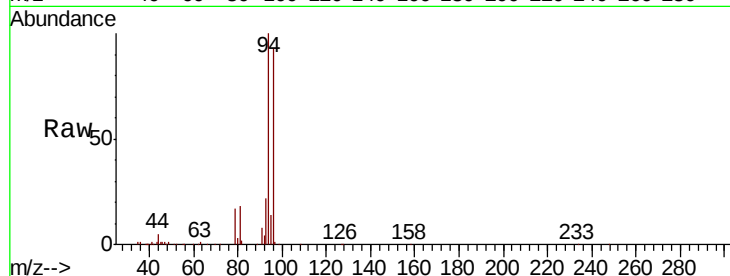
Tgt Ion: 94 Resp: 403133

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

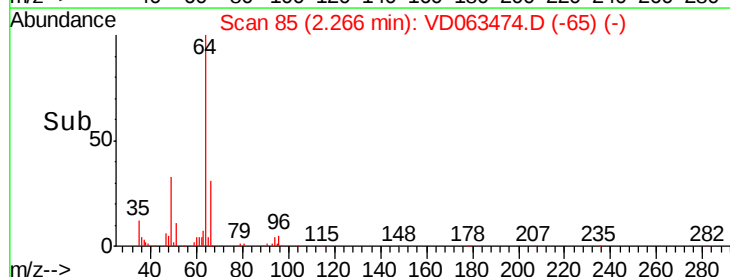
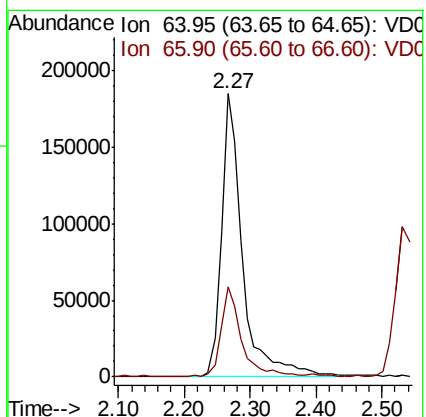
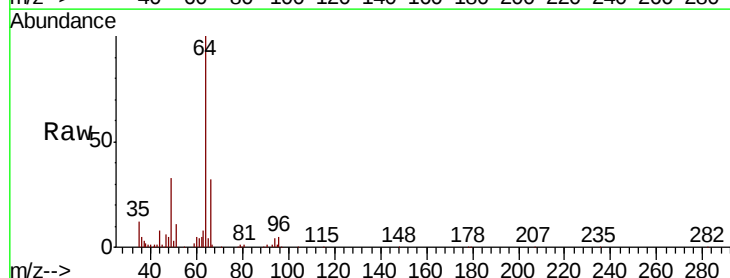
Acq: 9 Aug 2019 15:23

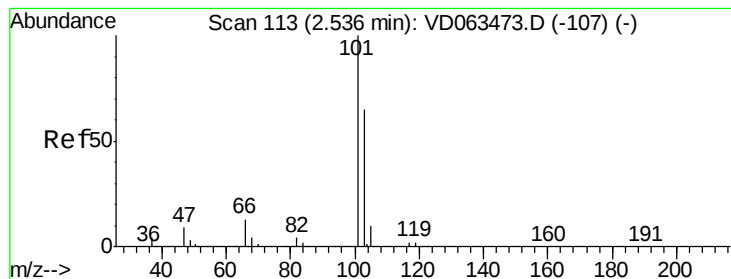
Tgt Ion: 64 Resp: 410500

Ion Ratio Lower Upper

64 100

66 31.8 26.3 39.5



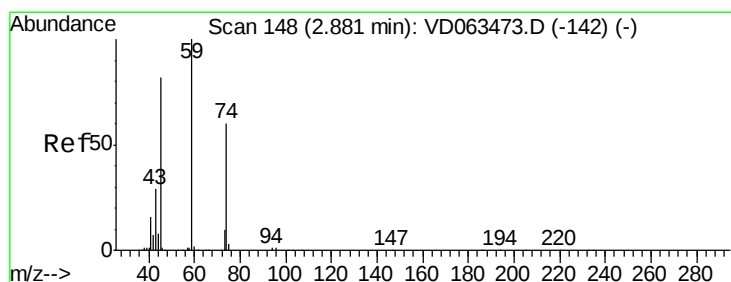
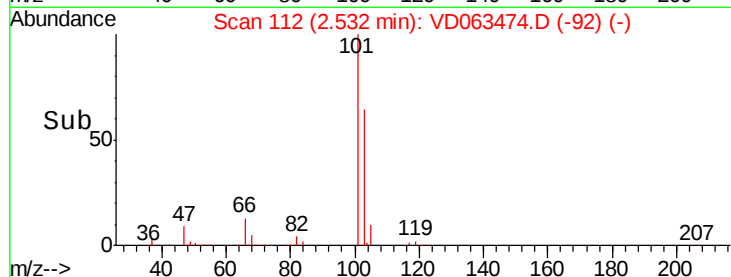
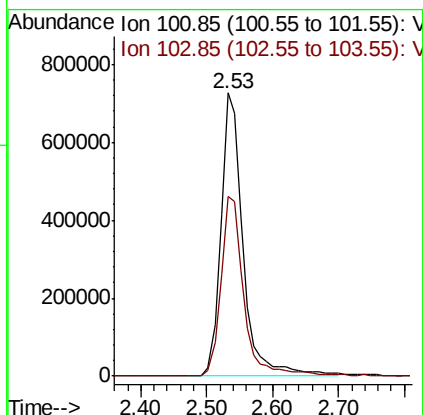
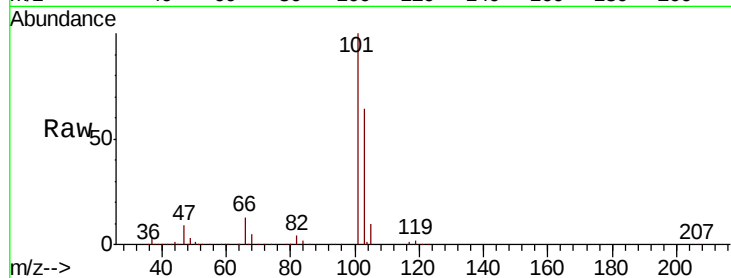


#7

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

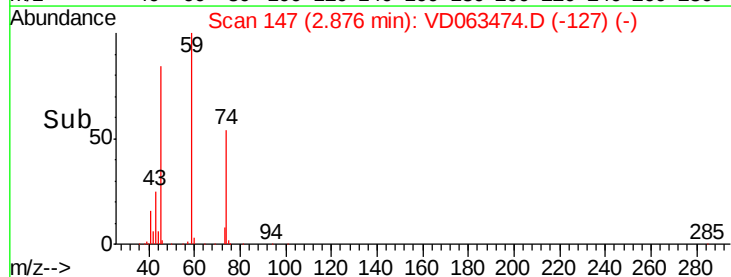
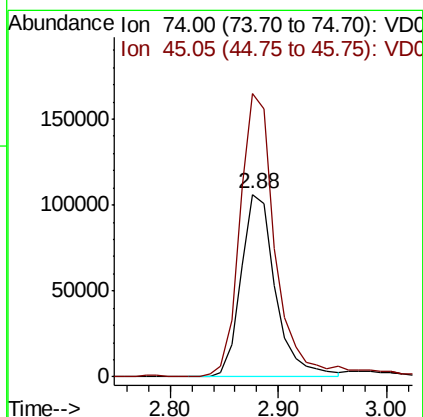
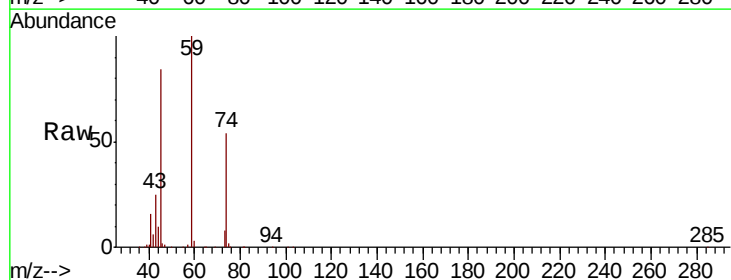
Tgt Ion: 101 Resp: 1701070
 Ion Ratio Lower Upper
 101 100
 103 63.6 52.2 78.4



#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





#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

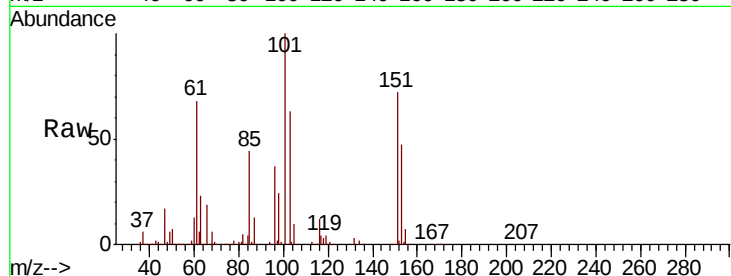
Tgt Ion:101 Resp: 996346

Ion Ratio Lower Upper

101 100

85 43.5 35.8 53.6

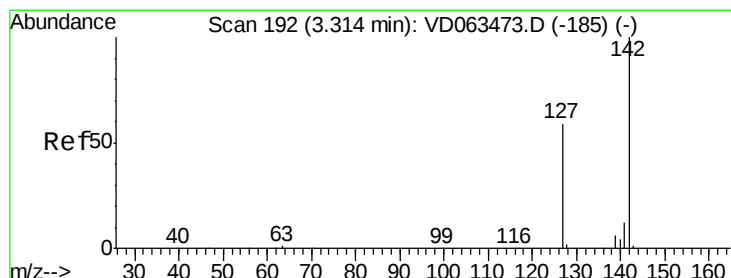
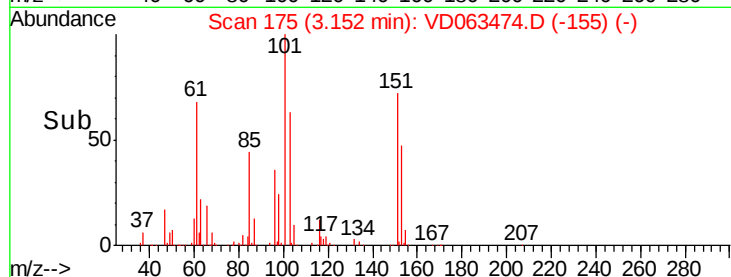
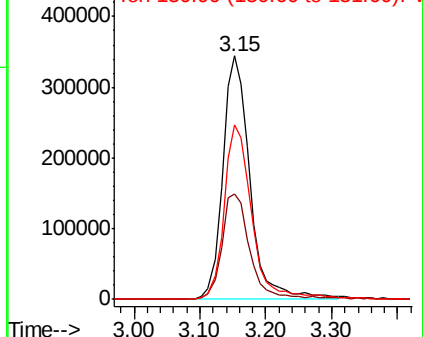
151 71.8 58.6 88.0



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

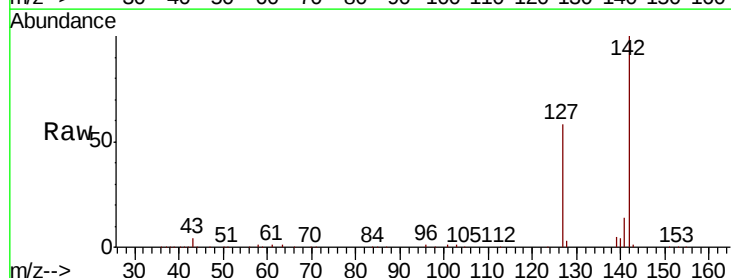
Tgt Ion:142 Resp: 1581951

Ion Ratio Lower Upper

142 100

127 57.6 47.2 70.8

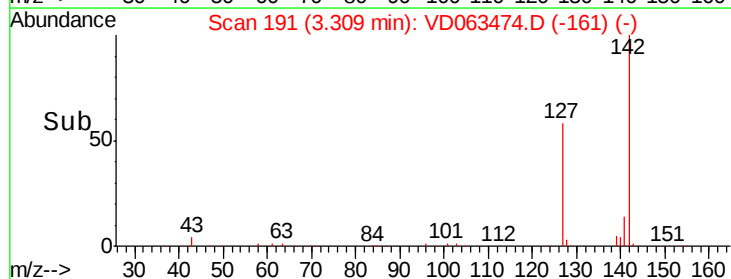
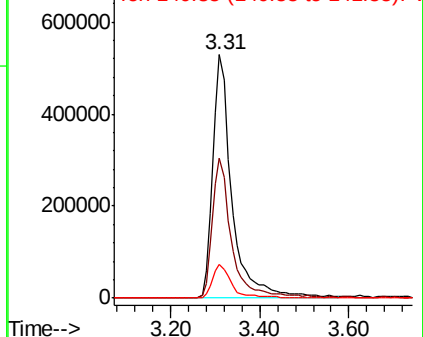
141 13.9 9.8 14.8

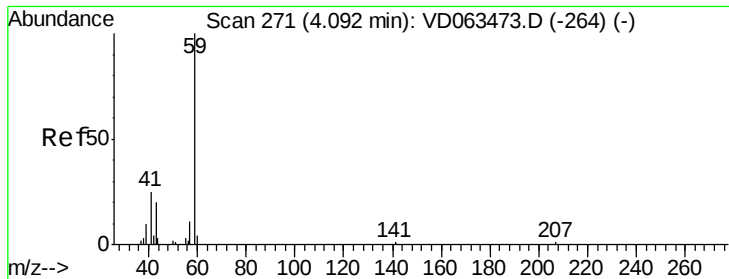


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

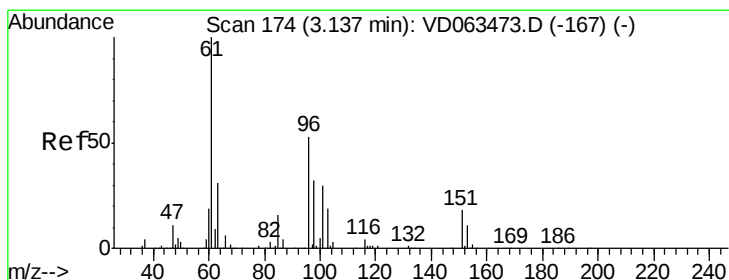
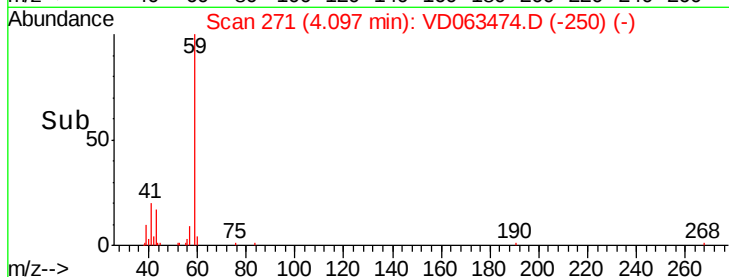
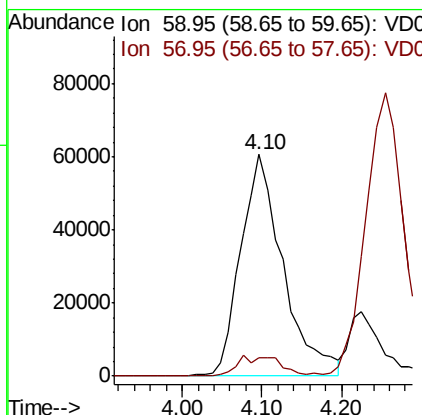
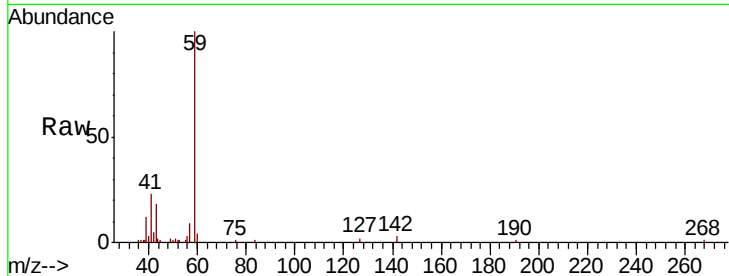




#11
Tert butyl alcohol
Concen: 392.595 ug/l
RT: 4.10 min Scan# 271
Delta R.T. 0.01 min
Lab File: VD063474.D
Acq: 9 Aug 2019 15:23

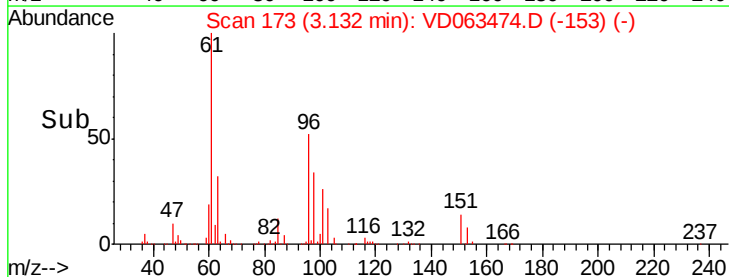
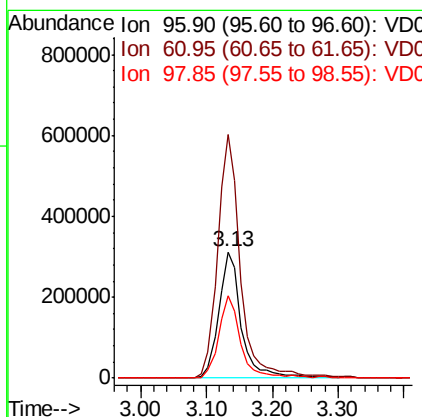
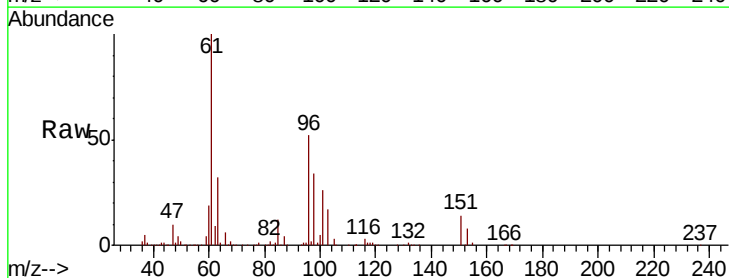
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

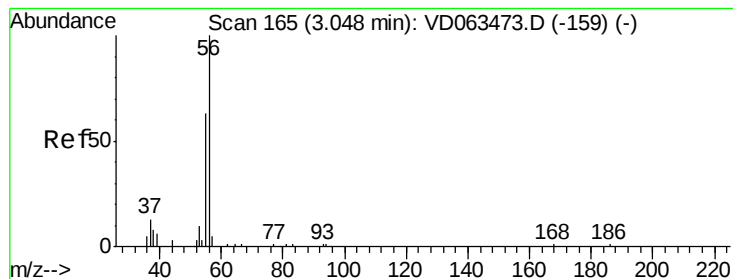
Tgt Ion: 59 Resp: 223089
Ion Ratio Lower Upper
59 100
57 8.5 8.7 13.1#



#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 :

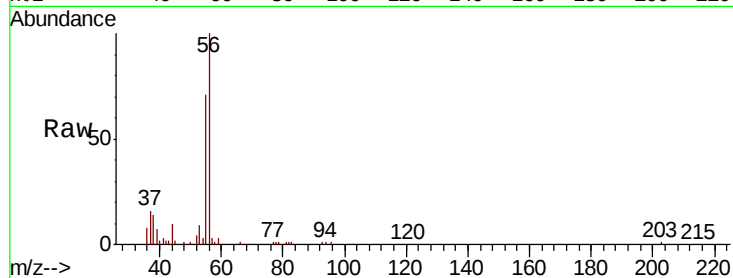
VSTDIC075

Tgt Ion: 56 Resp: 188908

Ion Ratio Lower Upper

56 100

55 70.7 51.3 76.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.04

80000

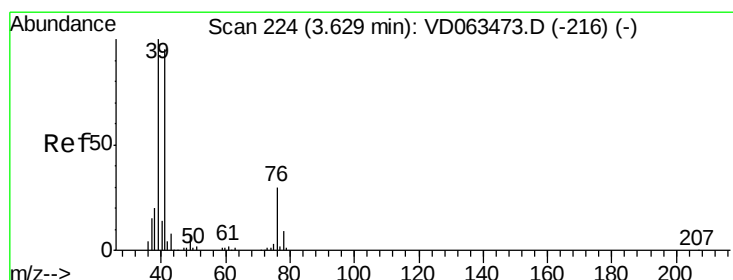
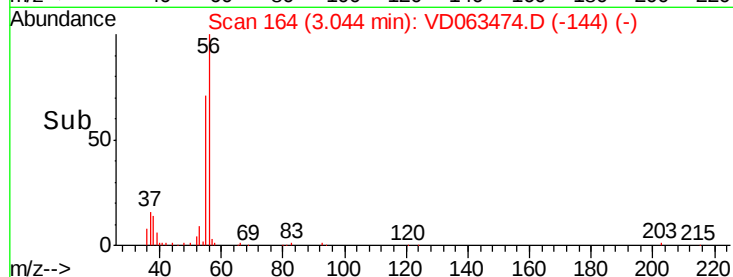
60000

40000

20000

0

Time--> 2.90 3.00 3.10 3.20



#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

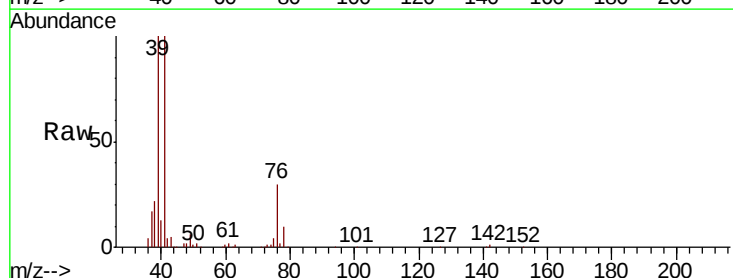
Tgt Ion: 41 Resp: 1119696

Ion Ratio Lower Upper

41 100

39 100.1 84.2 126.4

76 29.7 26.0 39.0



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

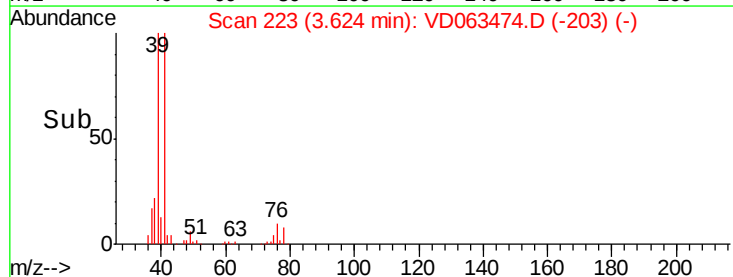
600000

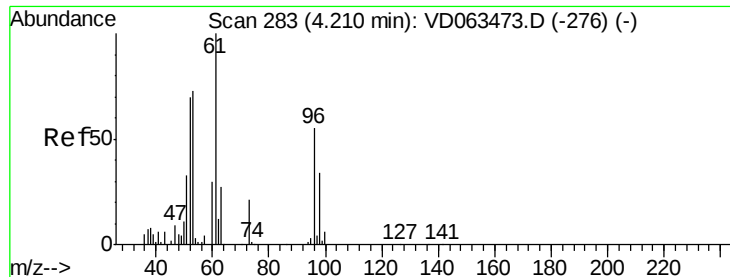
400000

200000

0

Time--> 3.50 3.60 3.70 3.80





#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

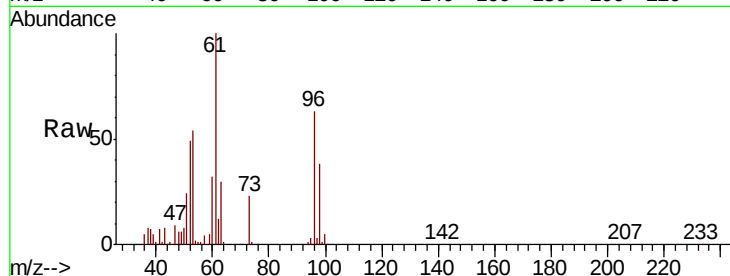
Tgt Ion: 53 Resp: 571507

Ion Ratio Lower Upper

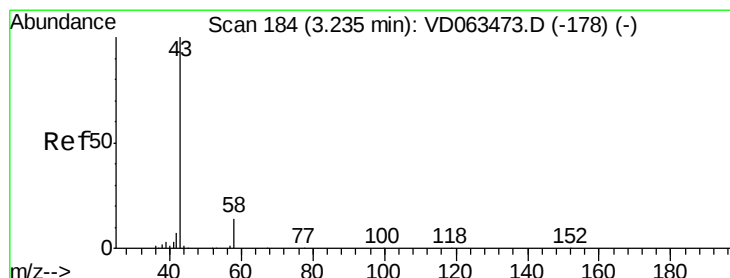
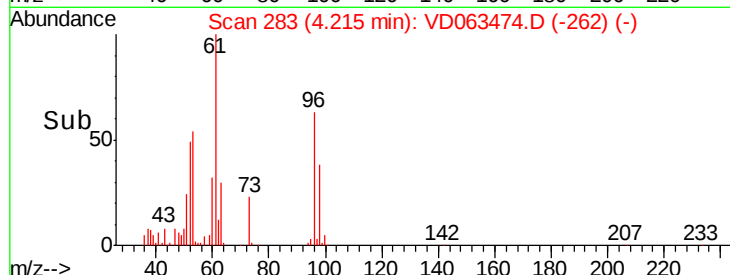
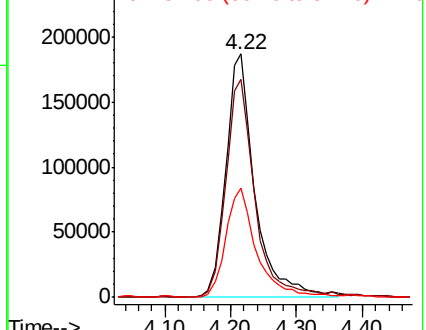
53 100

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

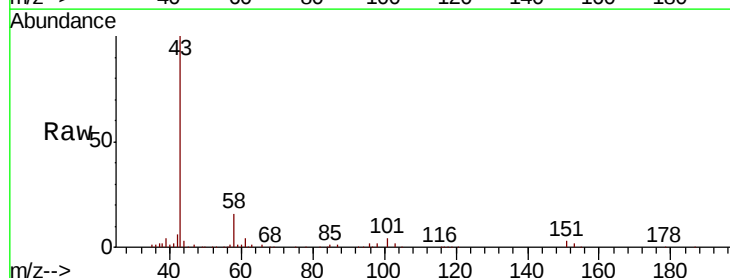
Acq: 9 Aug 2019 15:23

Tgt Ion: 43 Resp: 1087645

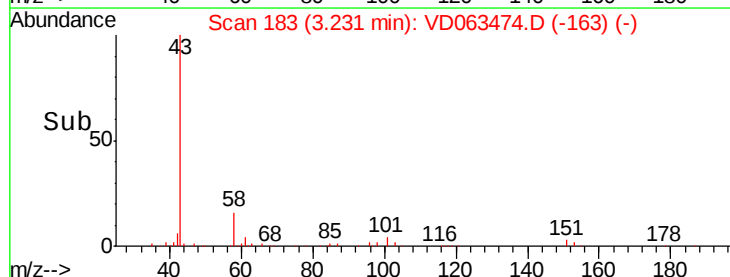
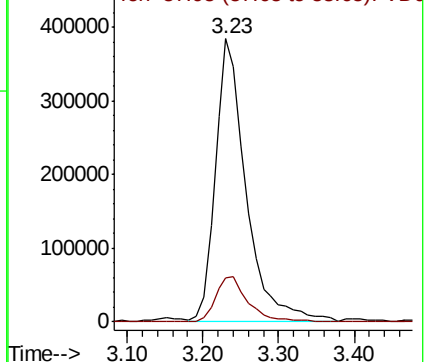
Ion Ratio Lower Upper

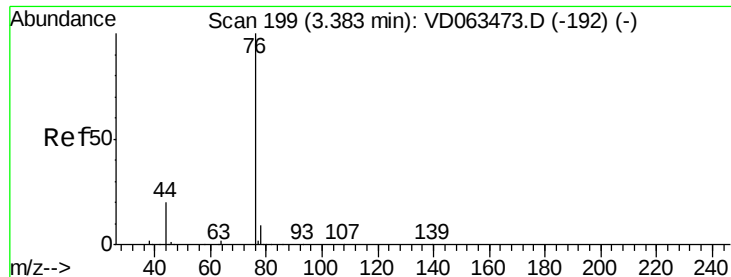
43 100

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

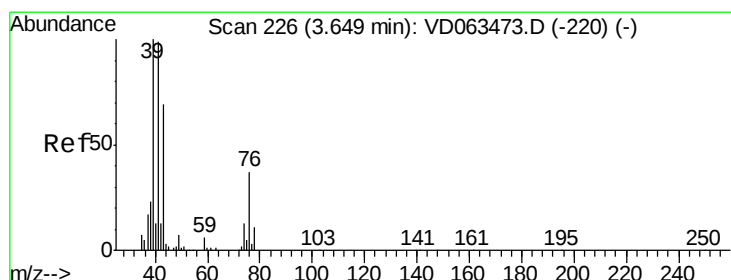
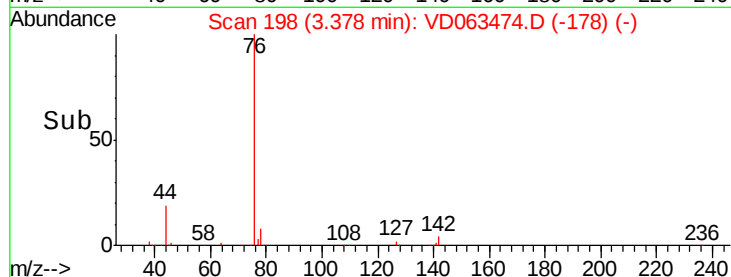
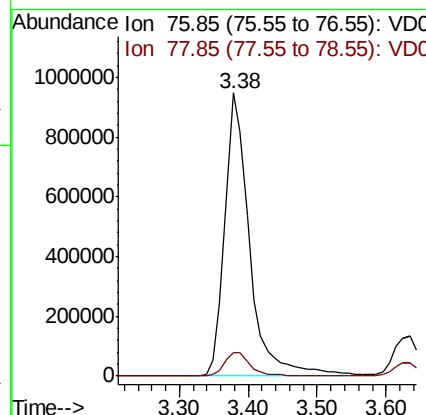
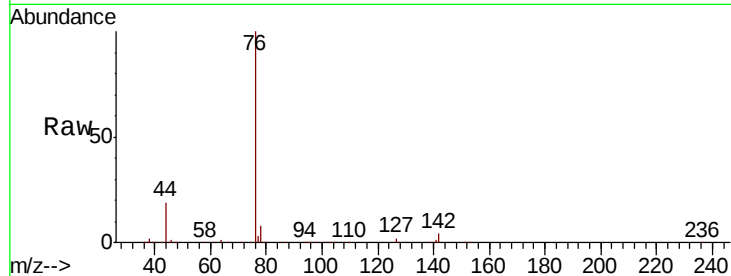




#17
Carbon Disulfide
Concen: 76.350 ug/l
RT: 3.38 min Scan# 198
Delta R.T. -0.00 min
Lab File: VD063474.D
Acq: 9 Aug 2019 15:23

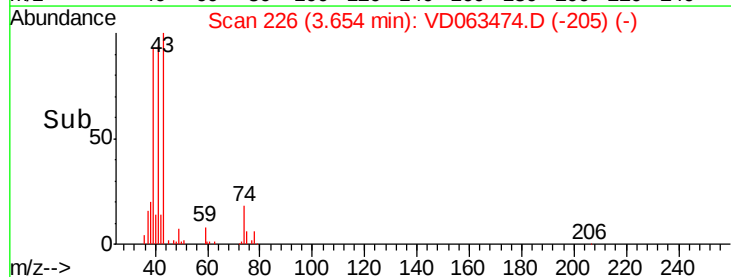
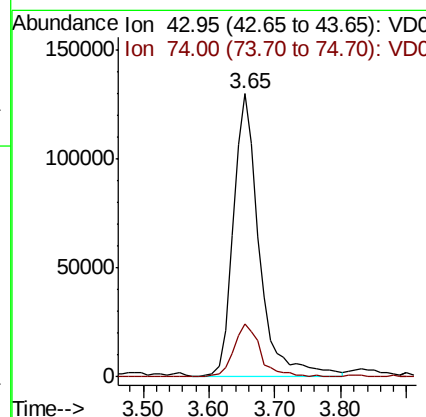
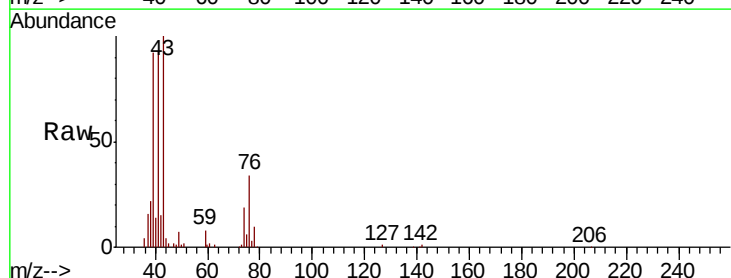
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

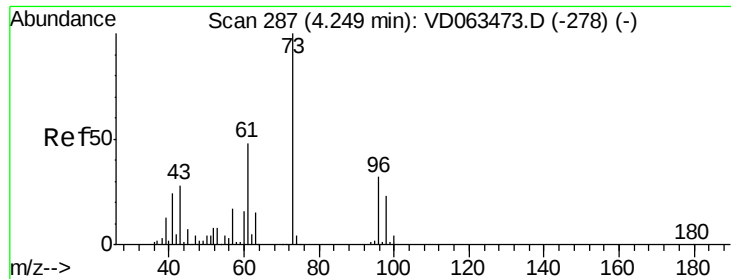
Tgt Ion: 76 Resp: 2377054
Ion Ratio Lower Upper
76 100
78 8.1 7.4 11.0



#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

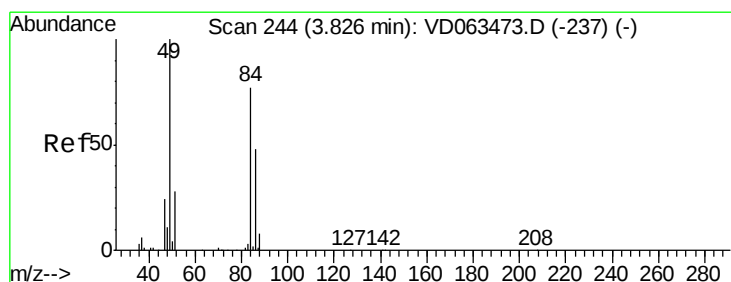
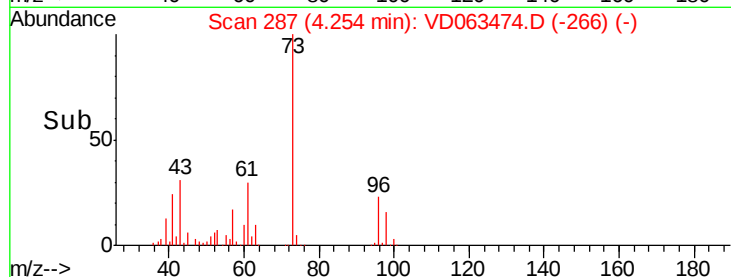
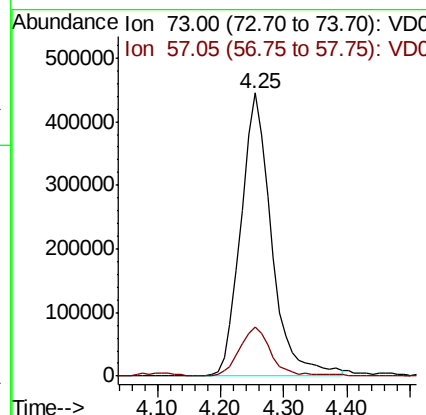
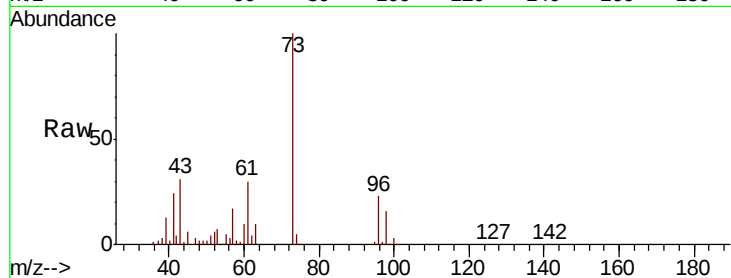




#19
Methyl tert-butyl Ether
Concen: 76.092 ug/l
RT: 4.25 min Scan# 287
Delta R.T. 0.01 min
Lab File: VD063474.D
Acq: 9 Aug 2019 15:23

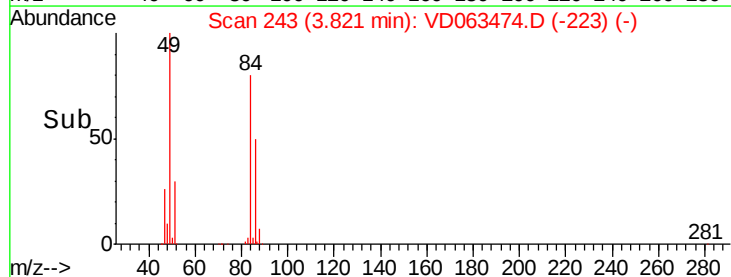
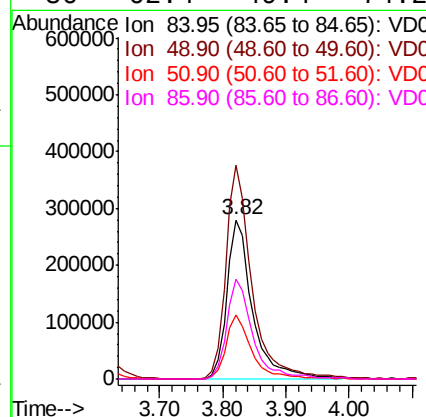
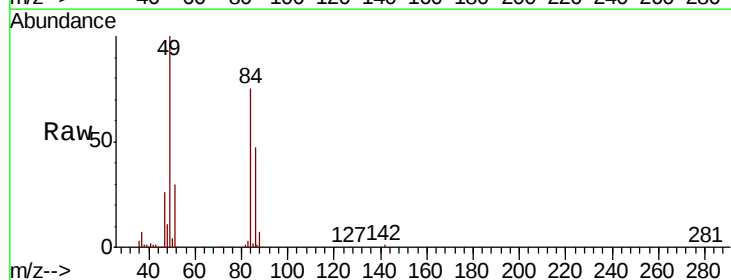
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

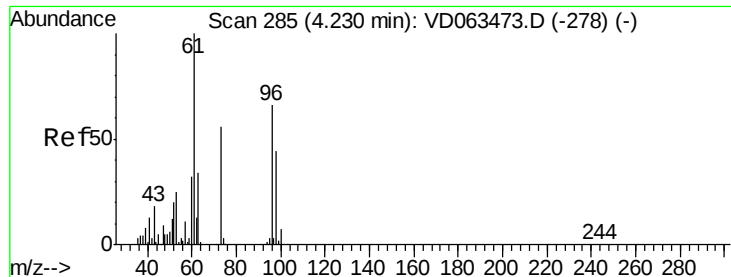
Tgt Ion: 73 Resp: 1501577
Ion Ratio Lower Upper
73 100
57 17.4 14.0 21.0



#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

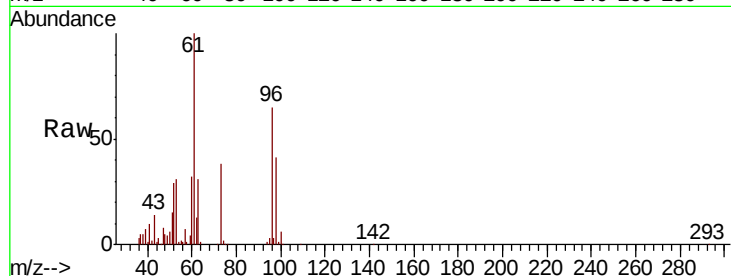
Tgt Ion: 96 Resp: 822207

Ion Ratio Lower Upper

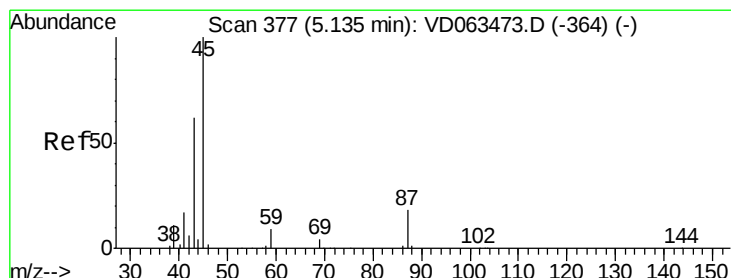
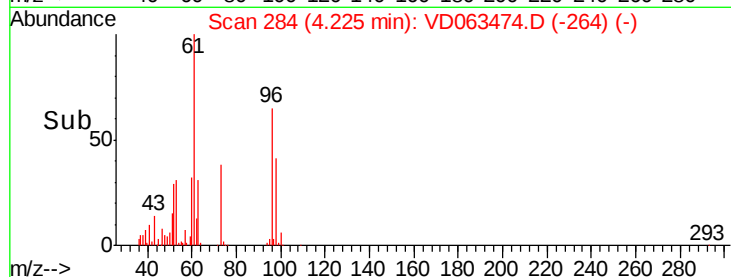
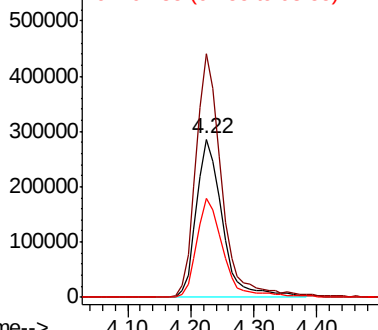
96 100

61 154.2 121.7 182.5

98 62.9 54.2 81.2



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



#22

Diisopropyl ether

Concen: 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

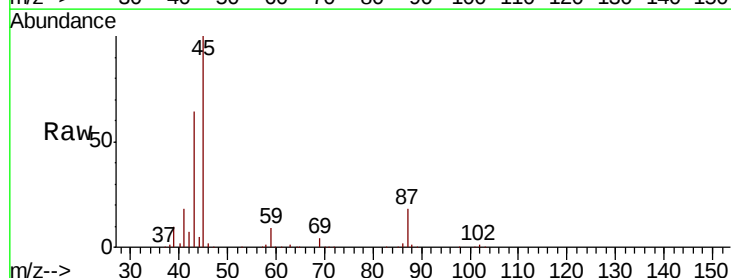
Ion Ratio Lower Upper

45 100

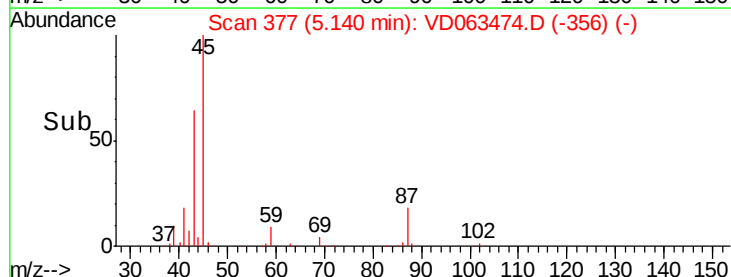
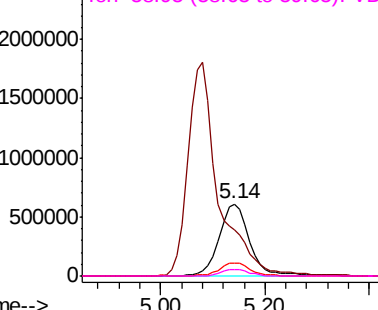
43 63.5 50.3 75.5

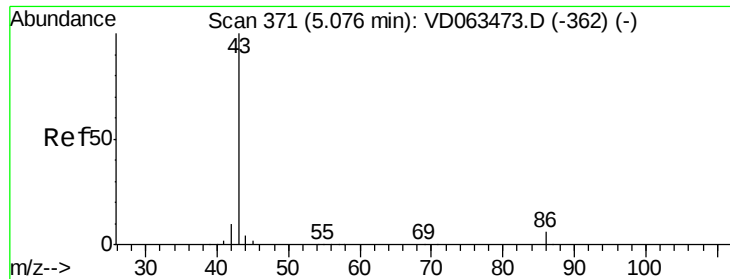
87 18.1 14.3 21.5

59 9.4 7.7 11.5



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

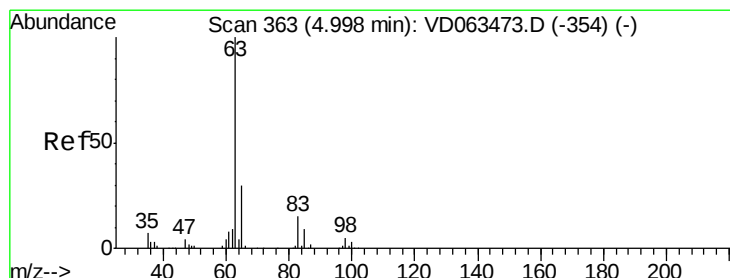
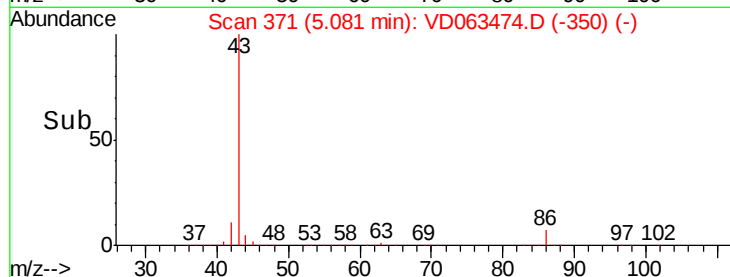
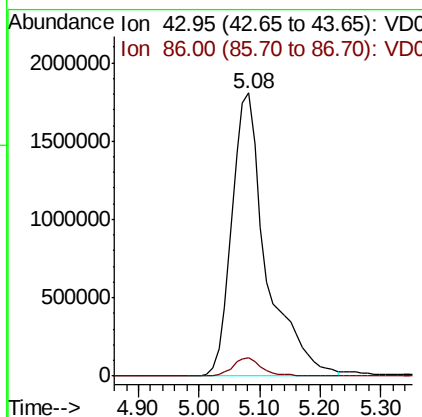
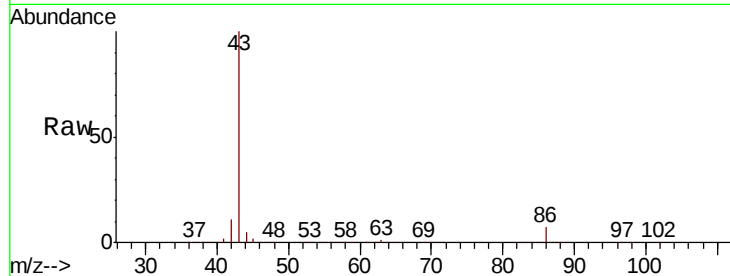




#23
 Vinyl Acetate
 Concen: 402.618 ug/l
 RT: 5.08 min Scan# 371
 Delta R.T. 0.01 min
 Lab File: VD063474.D
 Acq: 9 Aug 2019 15:23

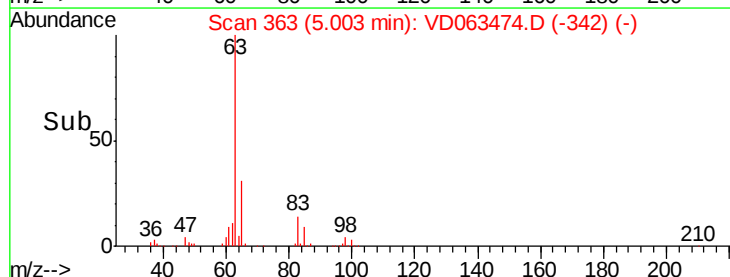
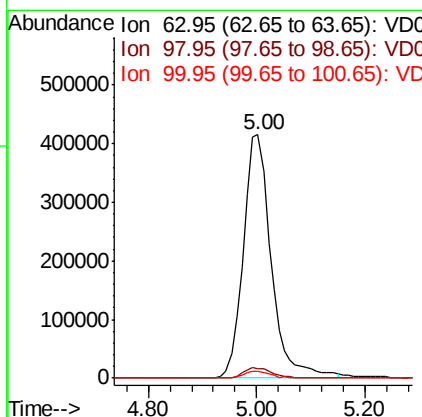
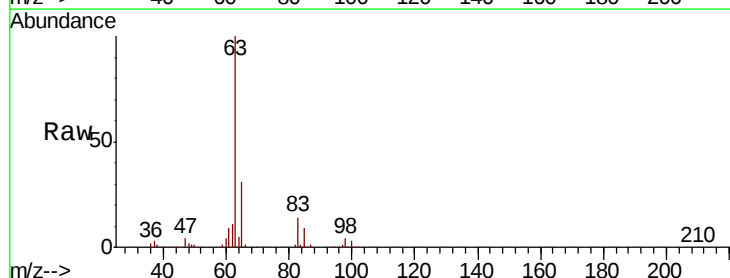
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tgt 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 :

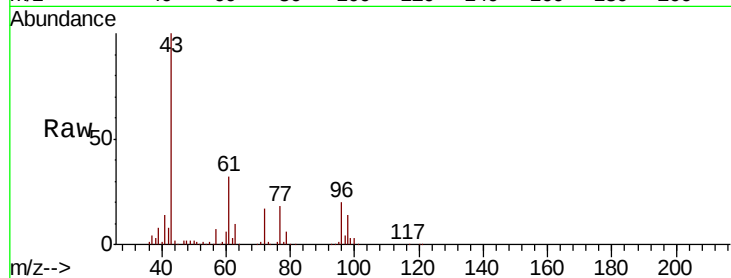
VSTDIC075

Tgt Ion: 43 Resp: 1085772

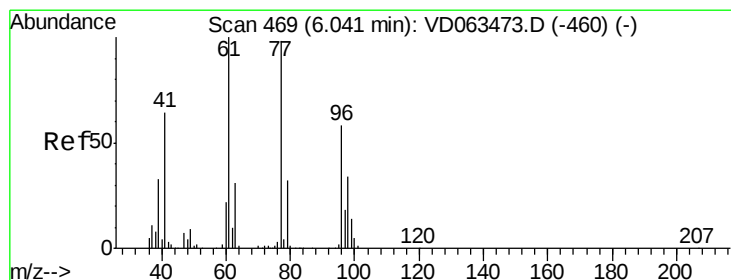
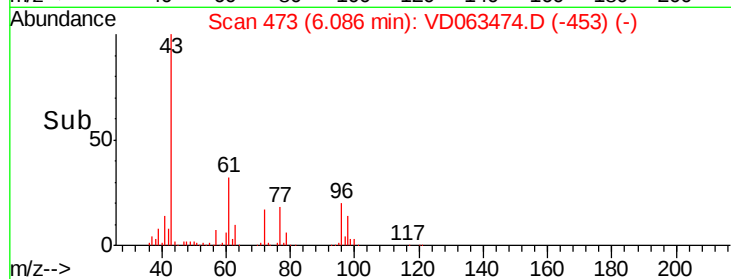
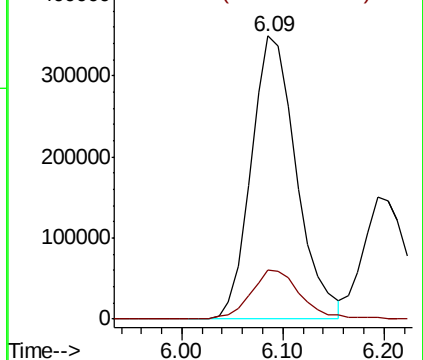
Ion Ratio Lower Upper

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

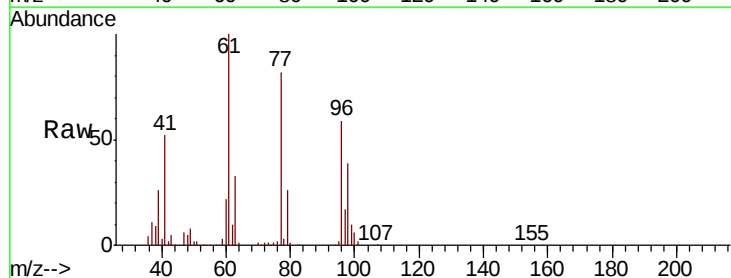
Acq: 9 Aug 2019 15:23

Tgt Ion: 77 Resp: 1438171

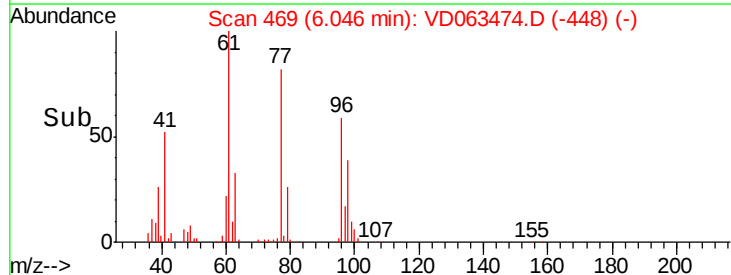
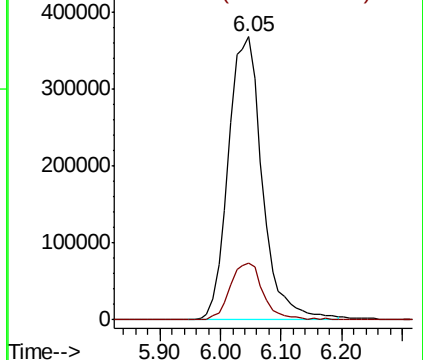
Ion Ratio Lower Upper

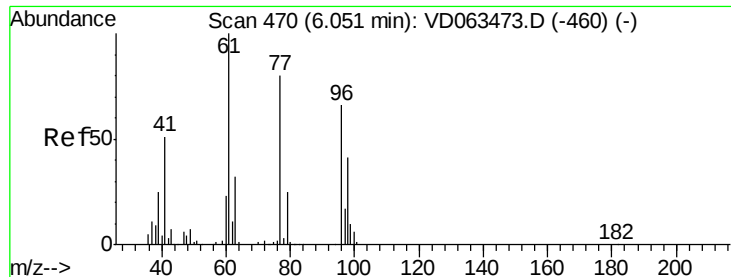
77 100

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



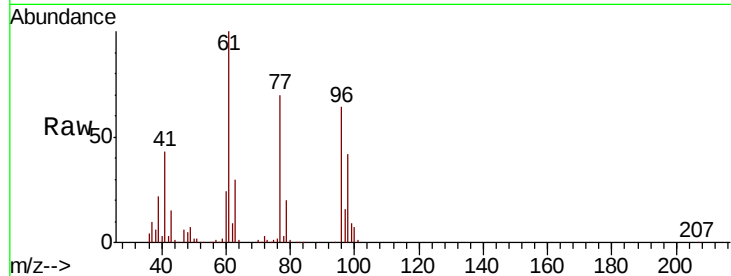


#27

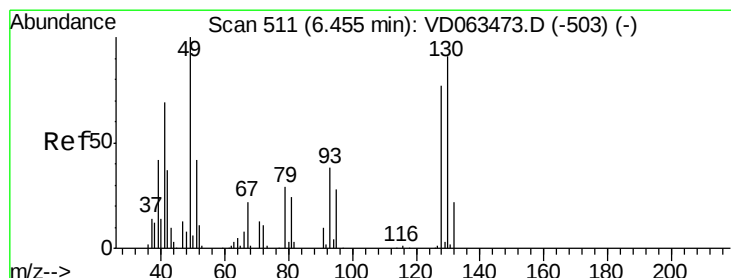
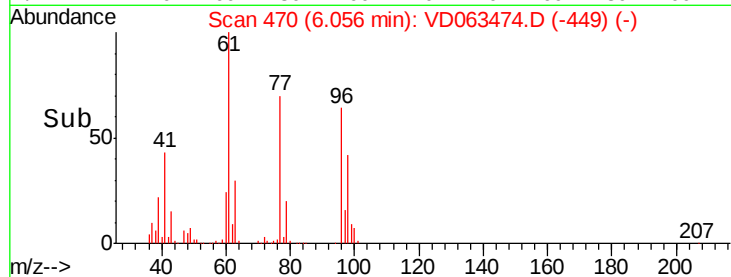
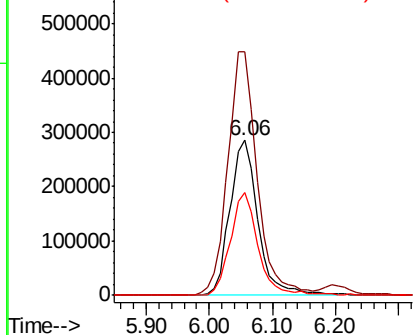
cis-1,2-Dichloroethene
 Concen: 77.356 ug/l
 RT: 6.06 min Scan# 470
 Delta R.T. 0.01 min
 Lab File: VD063474.D
 Acq: 9 Aug 2019 15:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tgt Ion: 96 Resp: 878816
 Ion Ratio Lower Upper
 96 100
 61 156.9 0.0 304.0
 98 66.2 0.0 124.8



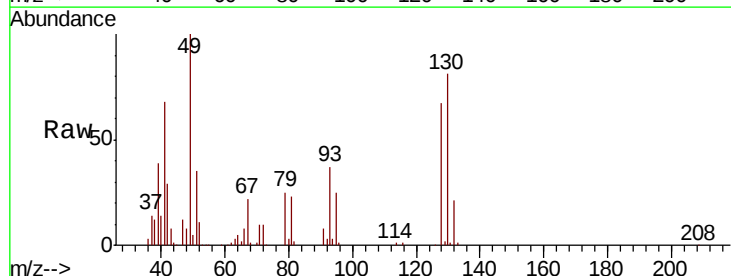
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



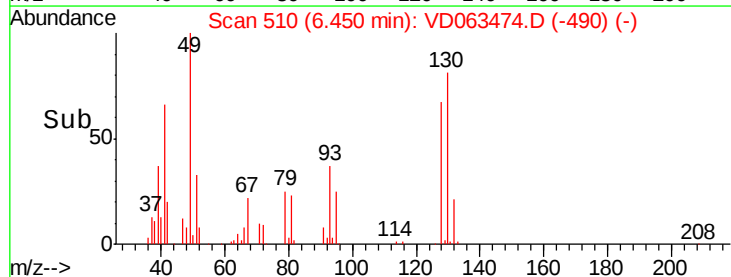
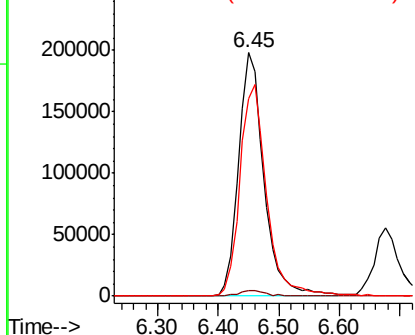
#28

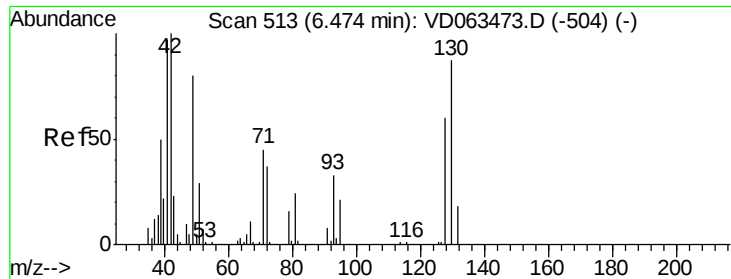
Bromochloromethane
 Concen: 75.138 ug/l
 RT: 6.45 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VD063474.D
 Acq: 9 Aug 2019 15:23

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

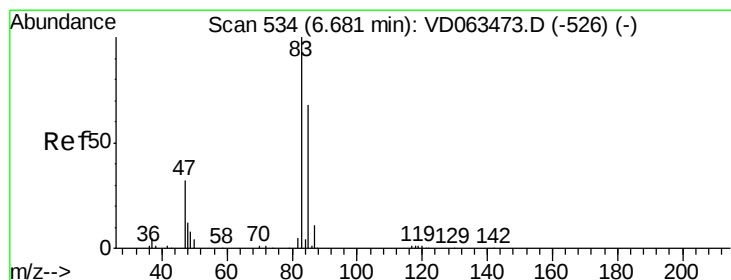
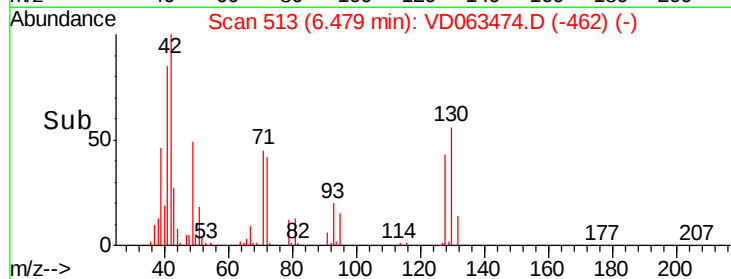
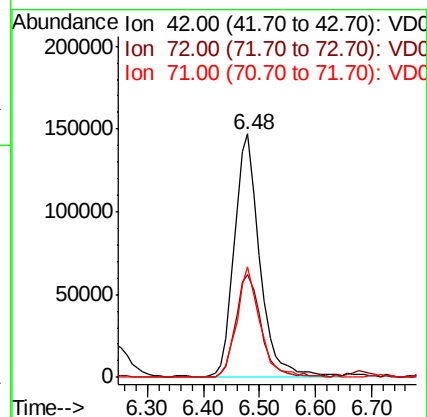
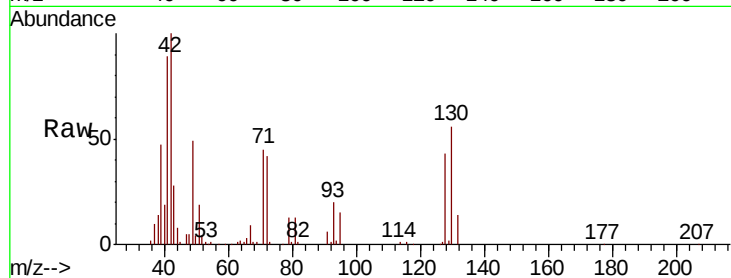




#29
Tetrahydrofuran
Concen: 380.554 ug/l
RT: 6.48 min Scan# 513
Delta R.T. 0.01 min
Lab File: VD063474.D
Acq: 9 Aug 2019 15:23

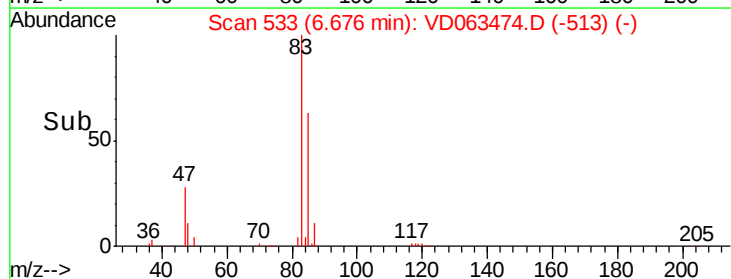
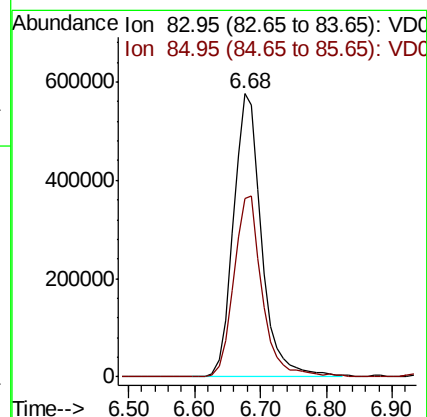
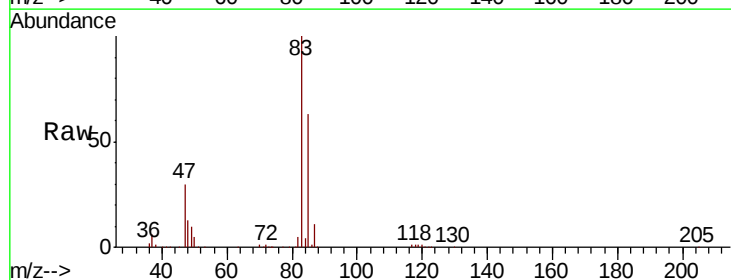
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

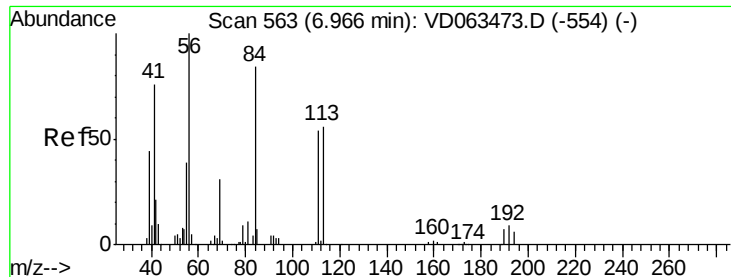
Tgt Ion: 42 Resp: 464725
Ion Ratio Lower Upper
42 100
72 41.4 31.5 47.3
71 41.5 33.8 50.8



#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: 83 Resp: 1727795
Ion Ratio Lower Upper
83 100
85 63.2 54.8 82.2

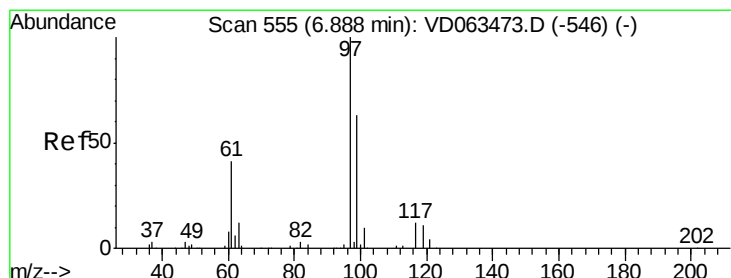
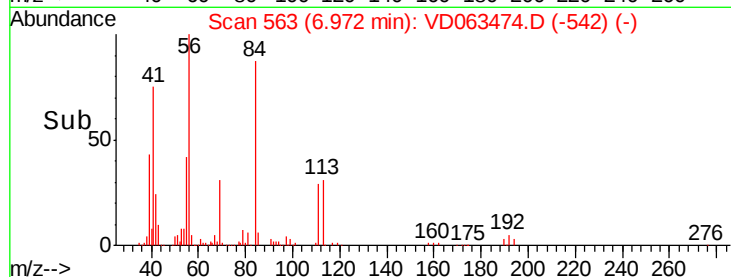
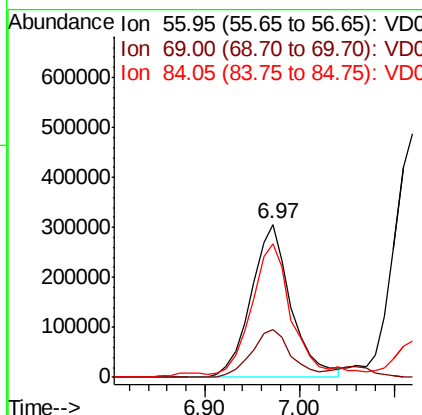
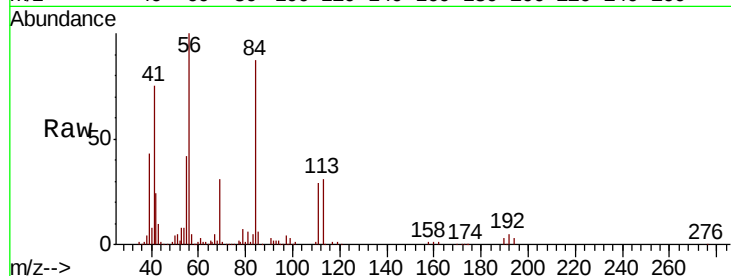




#31
Cyclohexane
Concen: 75.979 ug/l
RT: 6.97 min Scan# 563
Delta R.T. 0.01 min
Lab File: VD063474.D
Acq: 9 Aug 2019 15:23

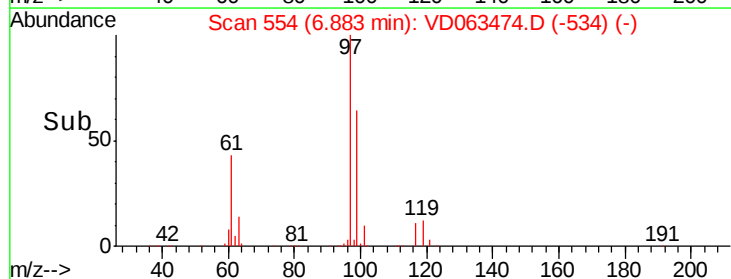
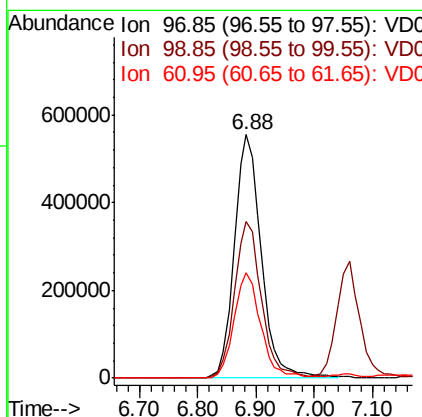
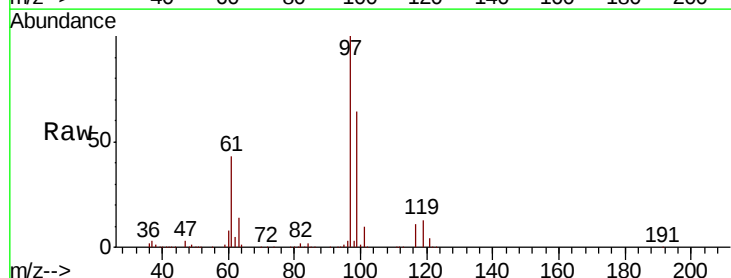
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

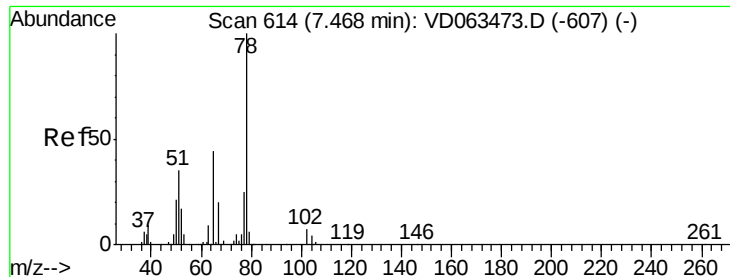
Tgt Ion: 56 Resp: 895505
Ion Ratio Lower Upper
56 100
69 30.9 25.0 37.6
84 87.1 69.7 104.5



#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 :

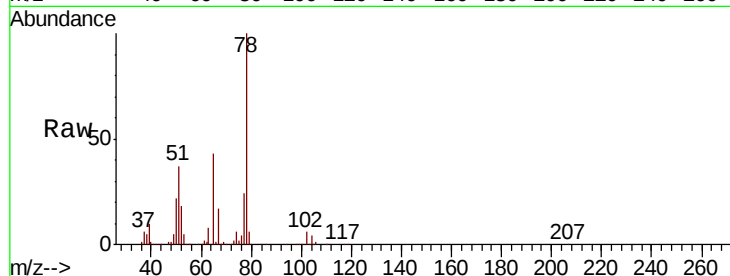
VSTDIC075

Tgt Ion: 65 Resp: 966863

Ion Ratio Lower Upper

65 100

67 39.6 0.0 89.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.46

400000

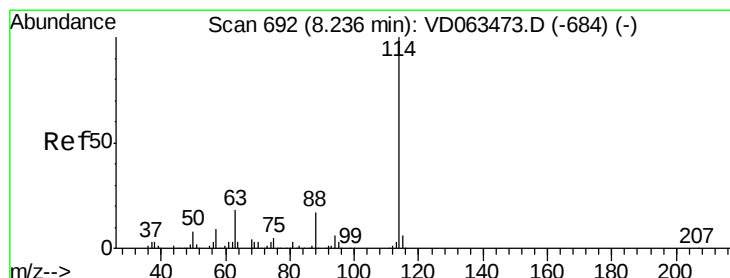
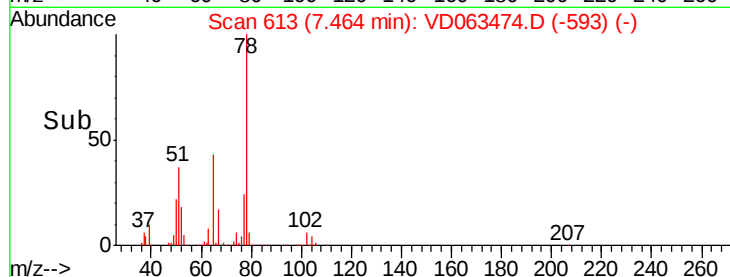
300000

200000

100000

0

Time--> 7.30 7.40 7.50 7.60



#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

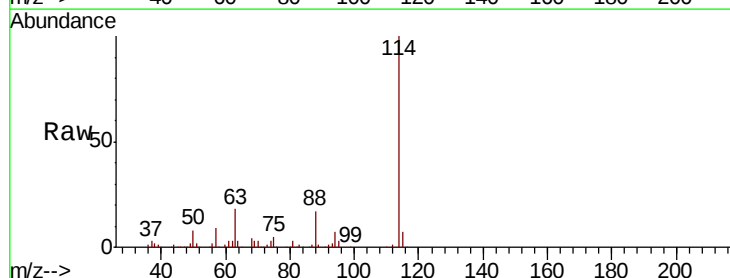
Tgt Ion: 114 Resp: 1693804

Ion Ratio Lower Upper

114 100

63 17.7 0.0 36.2

88 16.7 0.0 35.0



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.23

800000

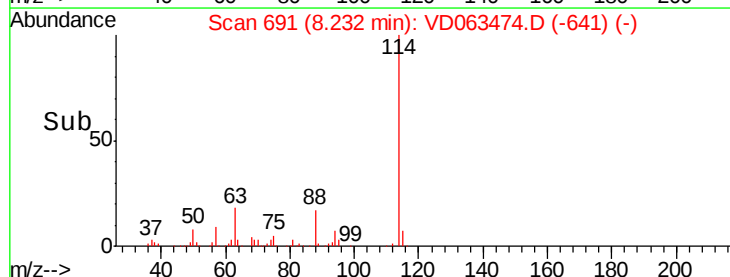
600000

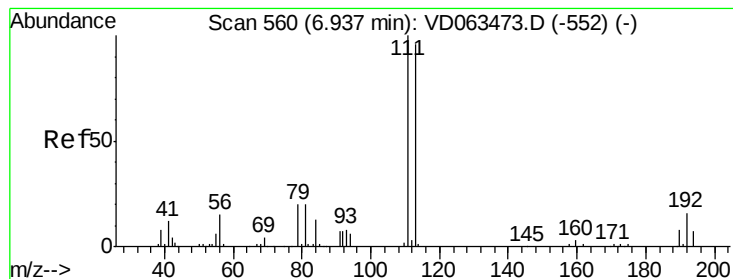
400000

200000

0

Time--> 8.10 8.20 8.30 8.40





#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

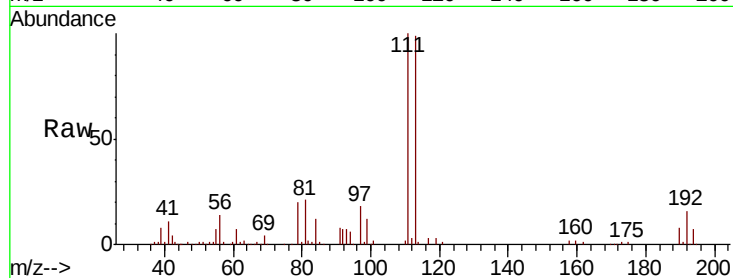
Tgt Ion:113 Resp: 1077008

Ion Ratio Lower Upper

113 100

111 100.6 83.1 124.7

192 16.1 13.1 19.7

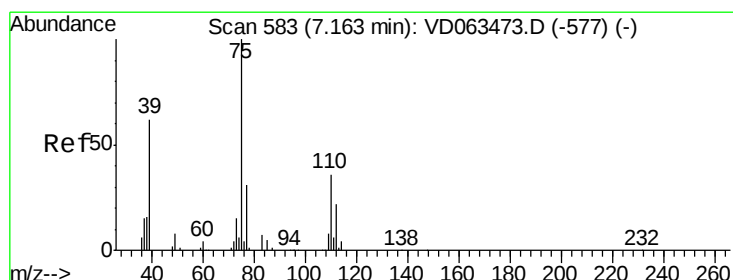
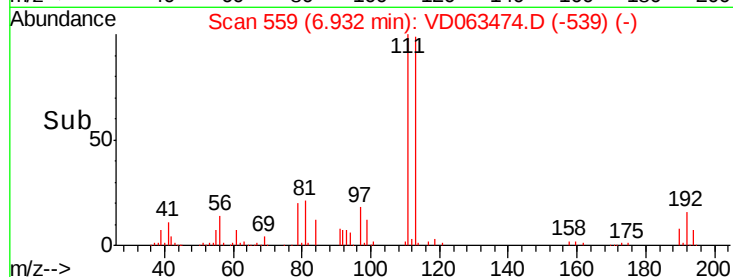
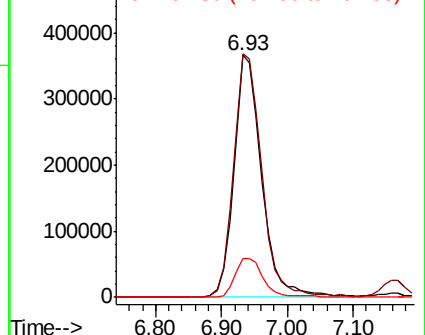


Abundance

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

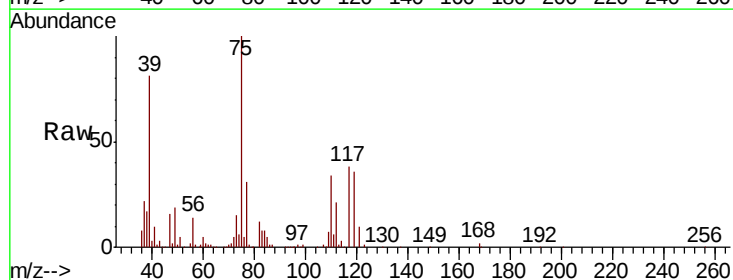
Tgt Ion: 75 Resp: 1158554

Ion Ratio Lower Upper

75 100

110 34.3 17.6 52.8

77 30.8 24.3 36.5

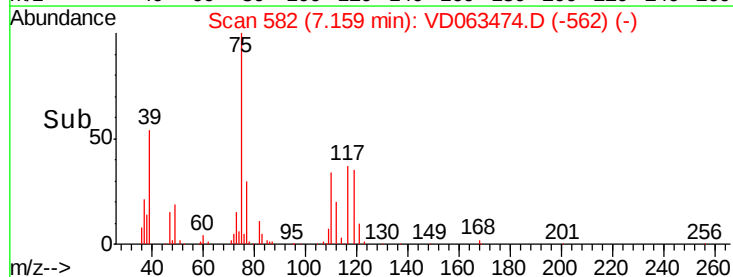
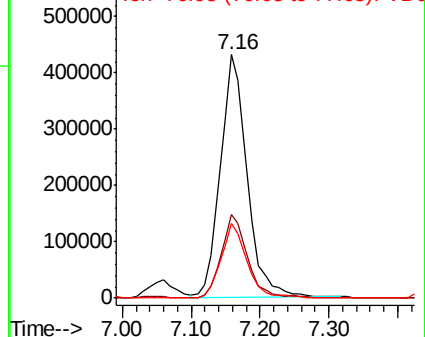


Abundance

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

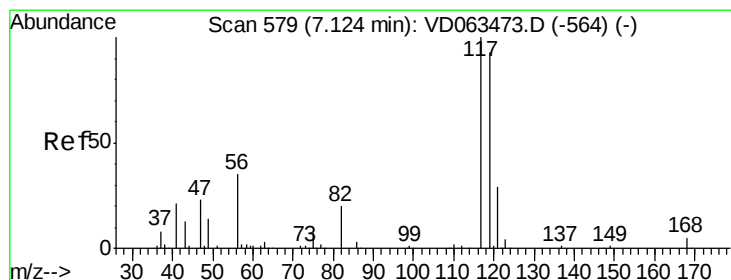
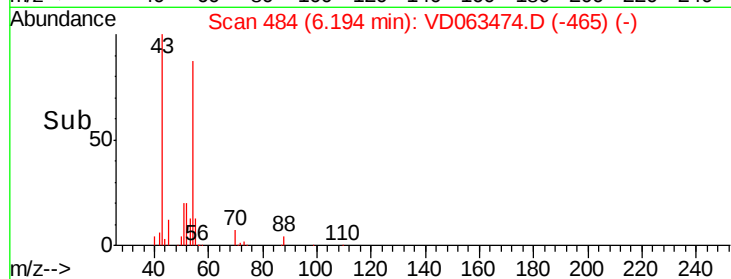
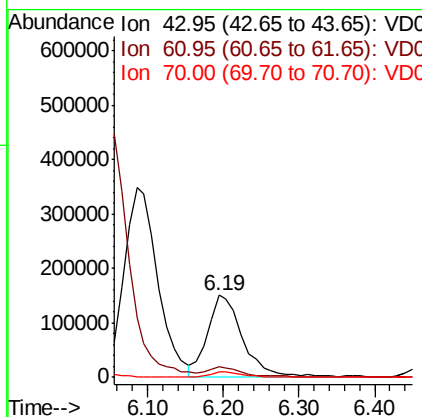
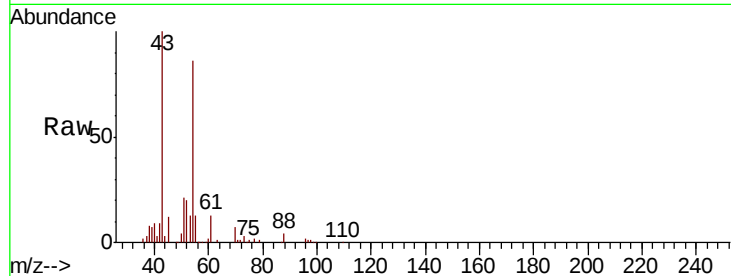




#37
 Ethyl Acetate
 Concen: 75.787 ug/l
 RT: 6.19 min Scan# 484
 Delta R.T. -0.01 min
 Lab File: VD063474.D
 Acq: 9 Aug 2019 15:23

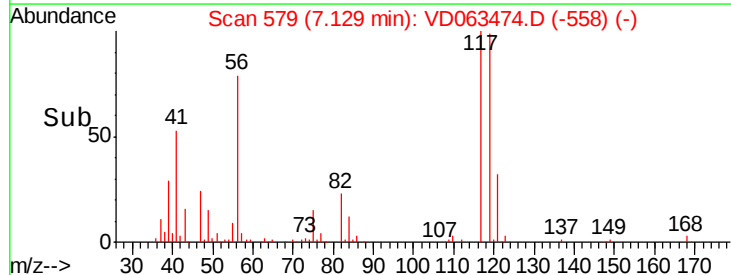
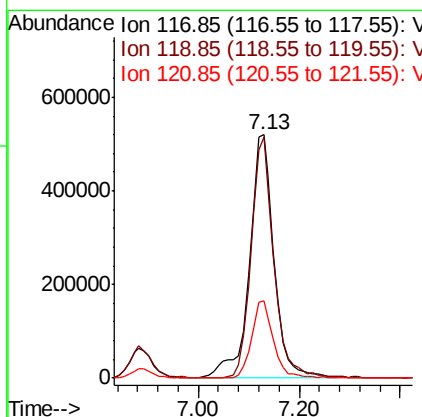
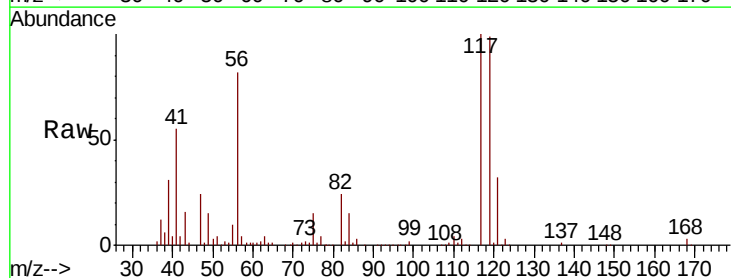
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

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



#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

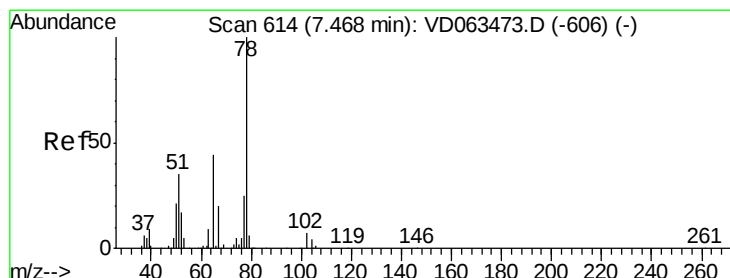
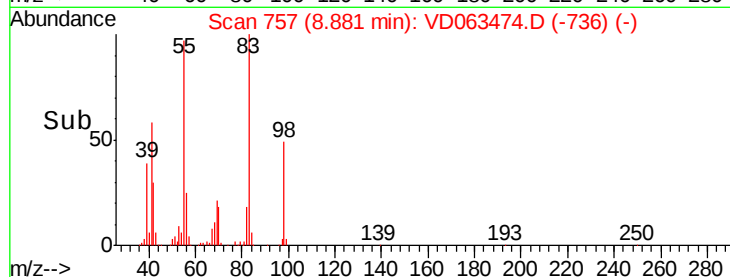
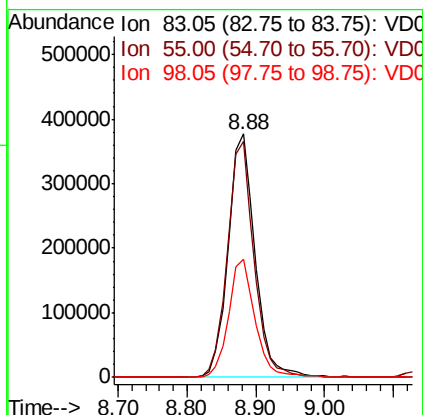
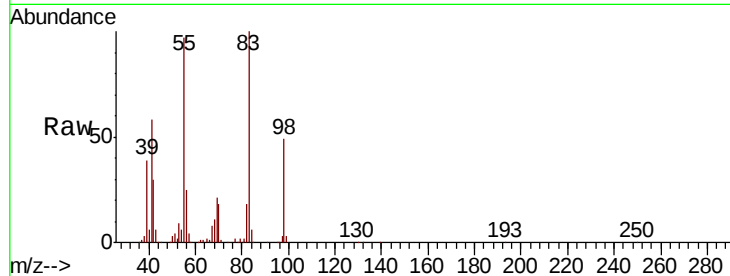




#39
Methylcyclohexane
Concen: 79.850 ug/l
RT: 8.88 min Scan# 757
Delta R.T. 0.01 min
Lab File: VD063474.D
Acq: 9 Aug 2019 15:23

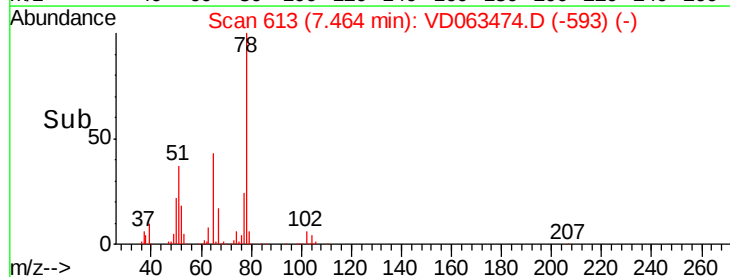
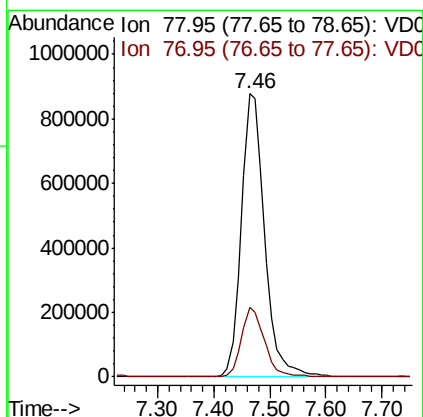
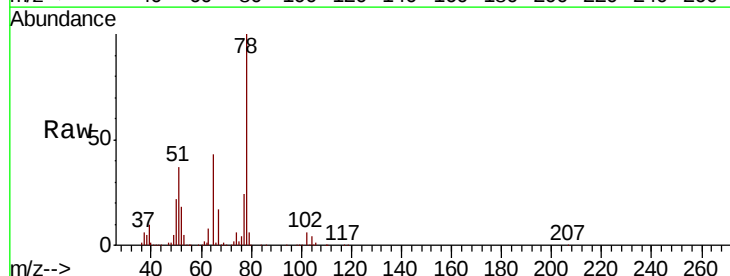
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

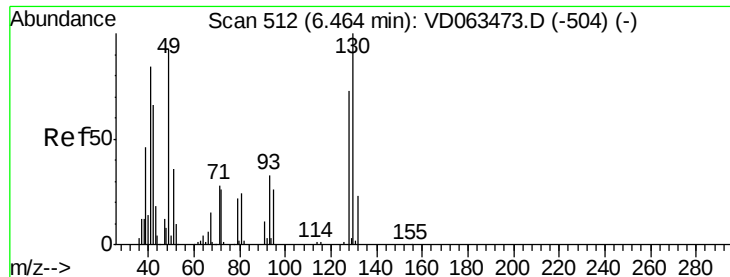
Tgt Ion: 83 Resp: 1016704
Ion Ratio Lower Upper
83 100
55 96.8 76.6 114.8
98 48.6 39.4 59.0



#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





#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

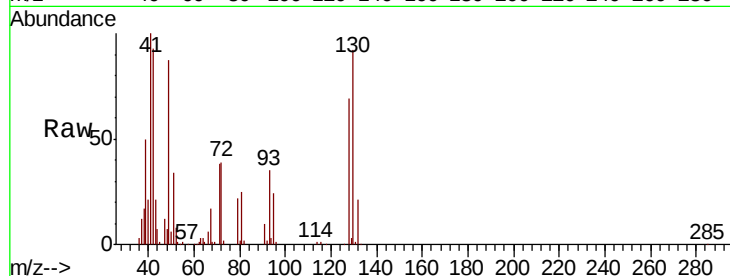
ClientSampleId :

VSTDIC075

Tgt 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#

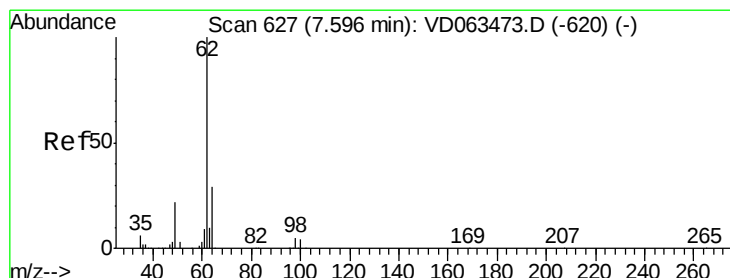
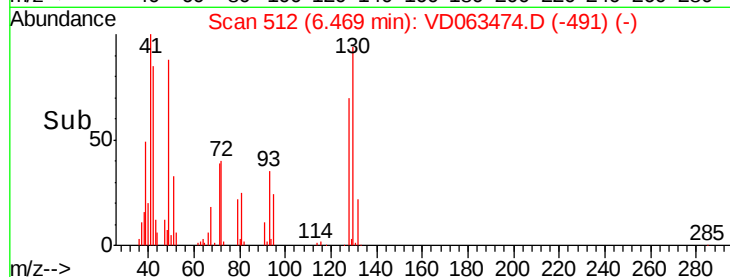
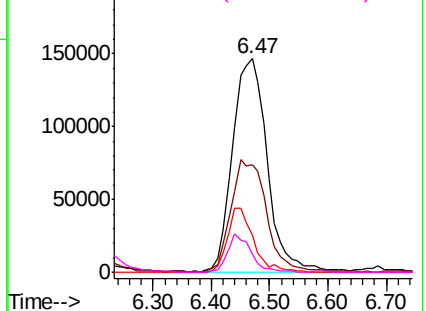


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 78.810 ug/l

RT: 7.59 min Scan# 626

Delta R.T. -0.00 min

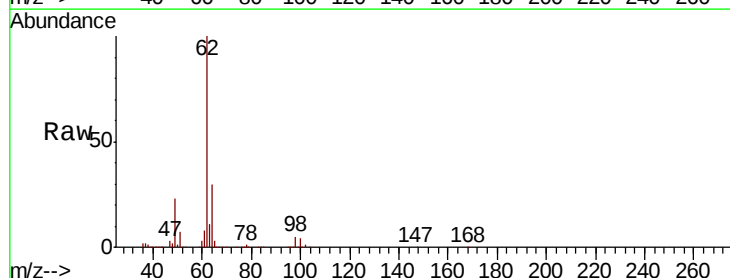
Lab File: VD063474.D

Acq: 9 Aug 2019 15:23

Tgt Ion: 62 Resp: 1305797

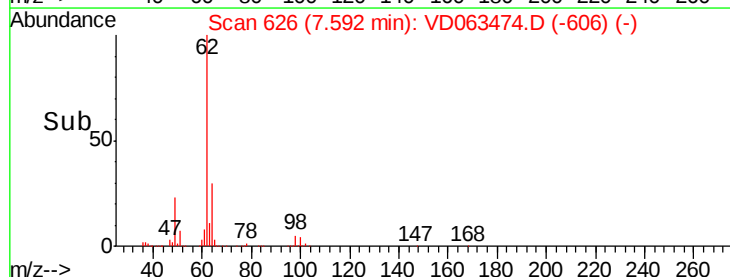
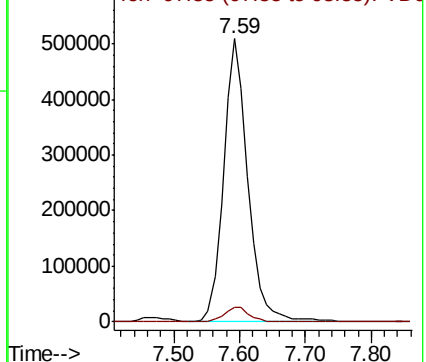
Ion Ratio Lower Upper

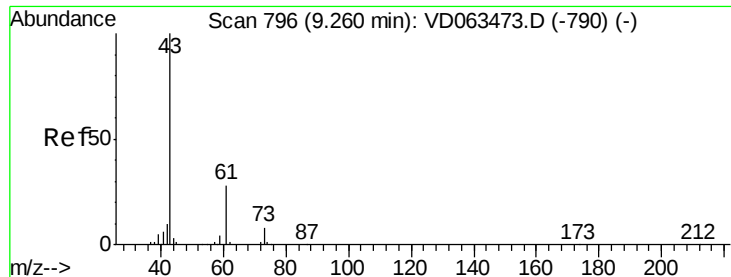
62	100		
98	5.0	0.0	10.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#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

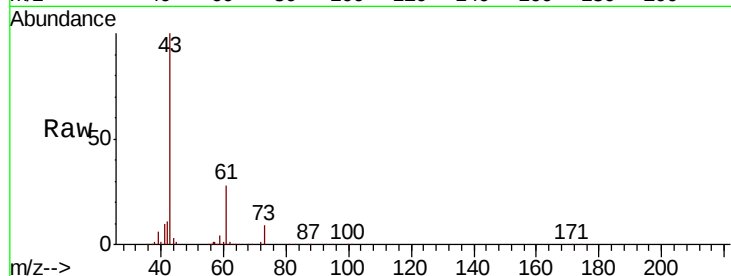
Tgt Ion: 43 Resp: 695757

Ion Ratio Lower Upper

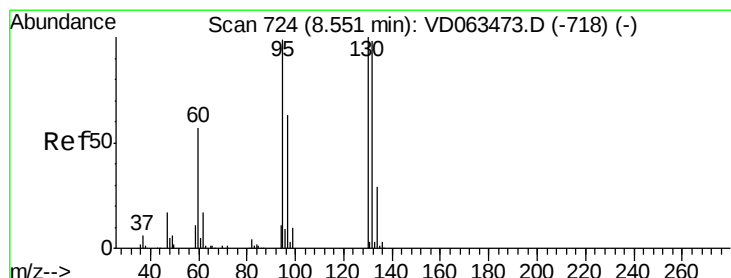
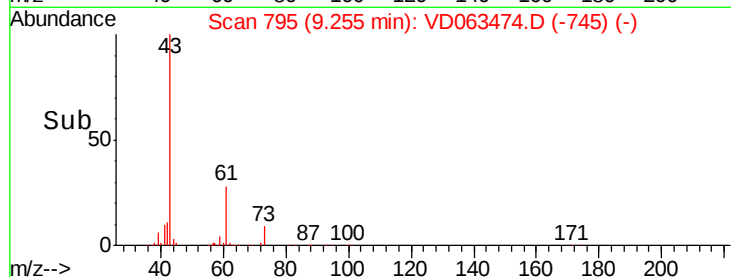
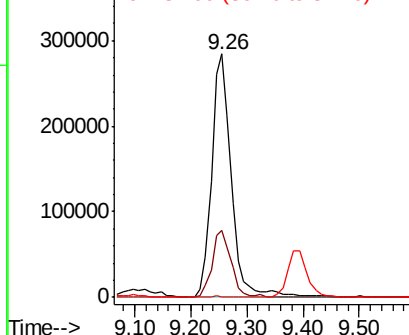
43 100

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

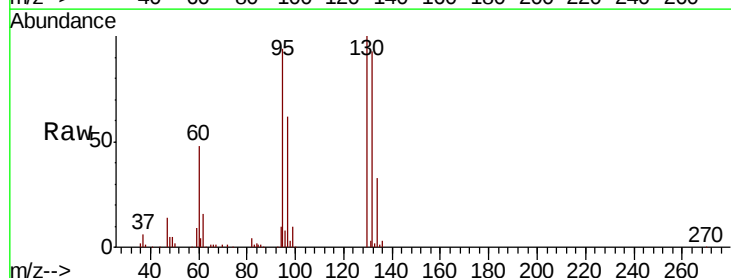
Acq: 9 Aug 2019 15:23

Tgt Ion:130 Resp: 1001986

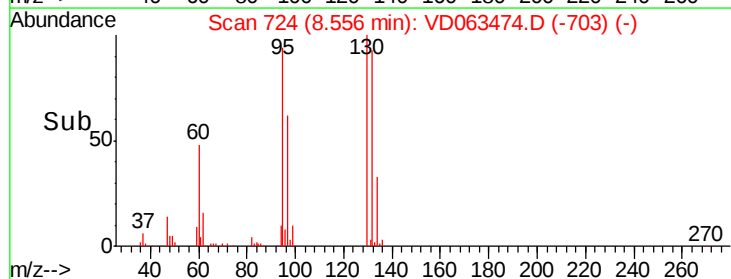
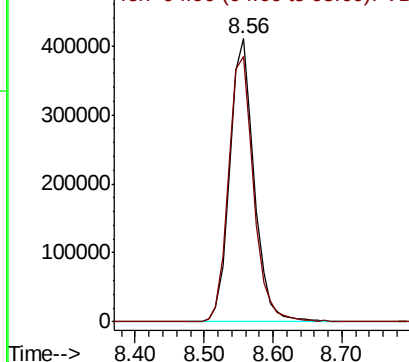
Ion Ratio Lower Upper

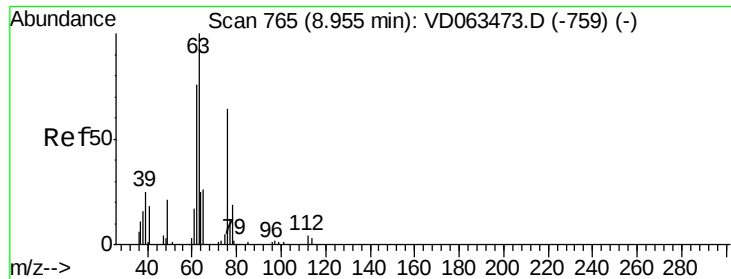
130 100

95 93.6 0.0 198.0



Abundance Ion 129.80 (129.50 to 130.50): VDC
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 :

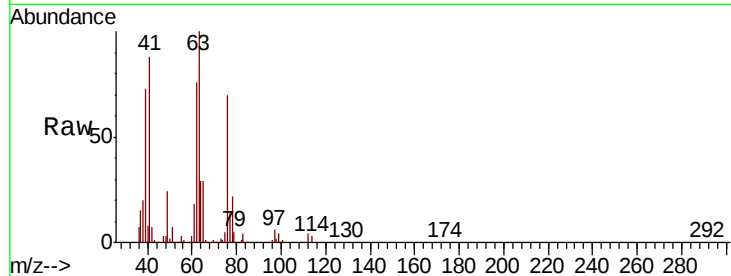
VSTDIC075

Tgt Ion: 63 Resp: 637829

Ion Ratio Lower Upper

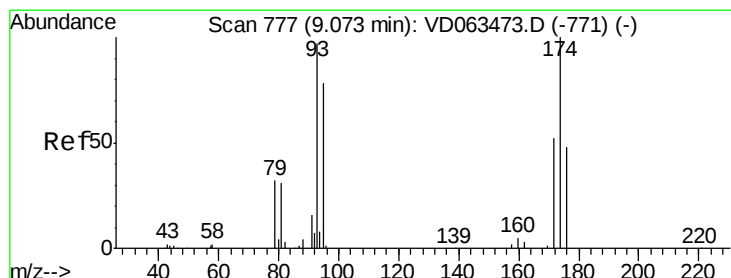
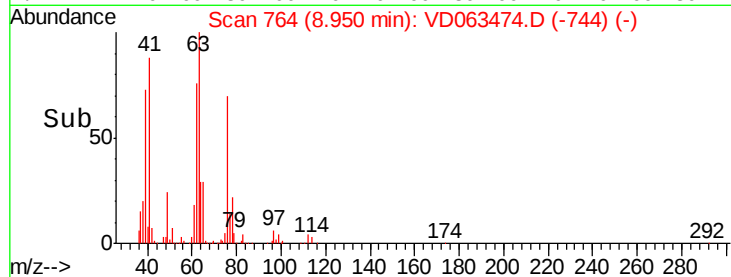
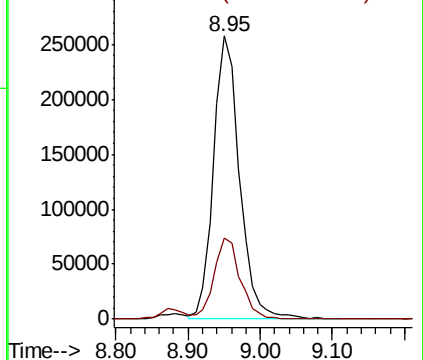
63 100

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

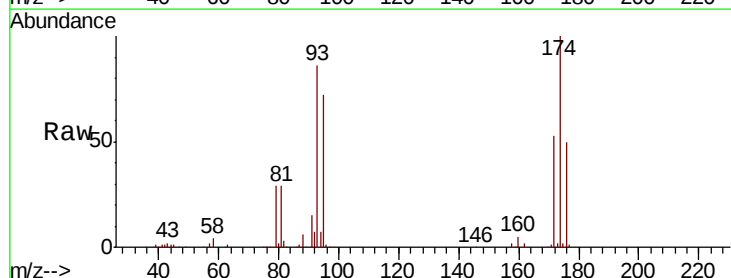
Tgt Ion: 93 Resp: 502979

Ion Ratio Lower Upper

93 100

95 83.3 64.2 96.2

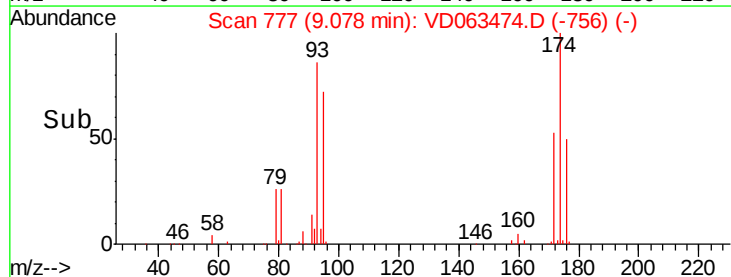
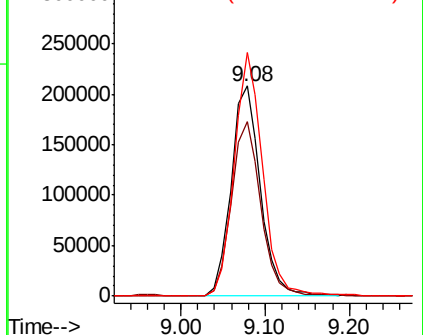
174 116.0 82.1 123.1

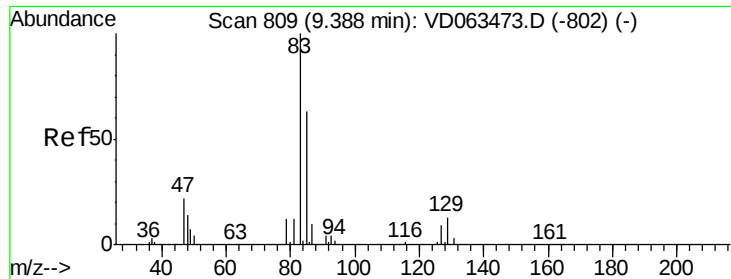


Abundance Ion 92.90 (92.60 to 93.60): VDC

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

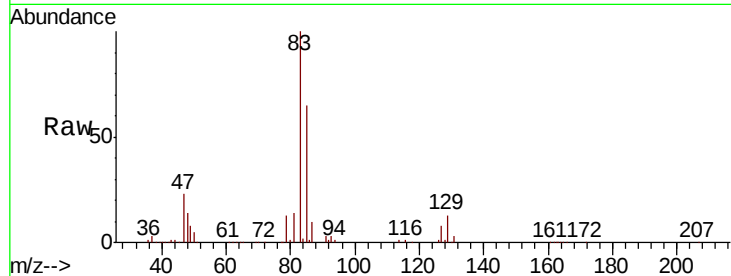
Tgt Ion: 83 Resp: 1333299

Ion Ratio Lower Upper

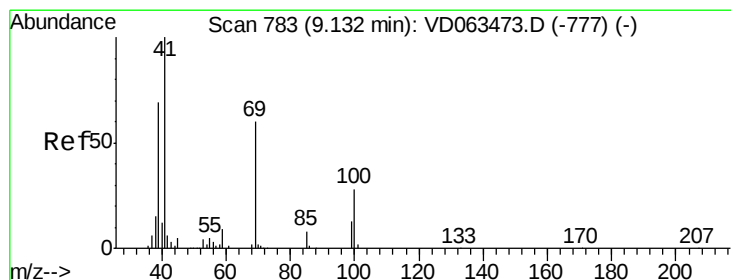
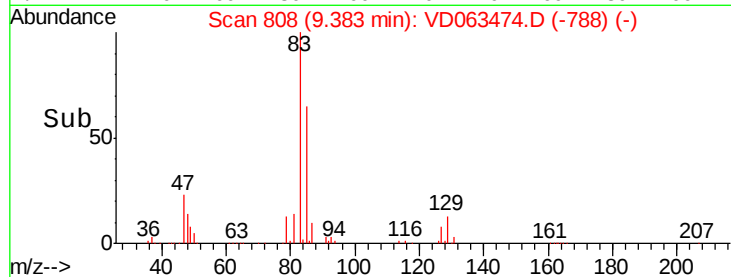
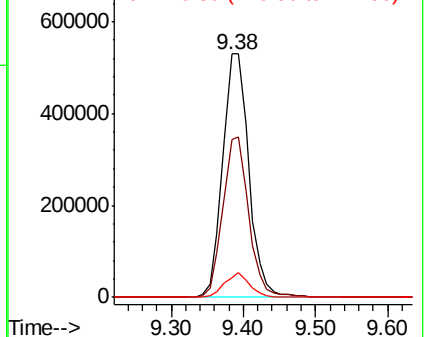
83 100

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

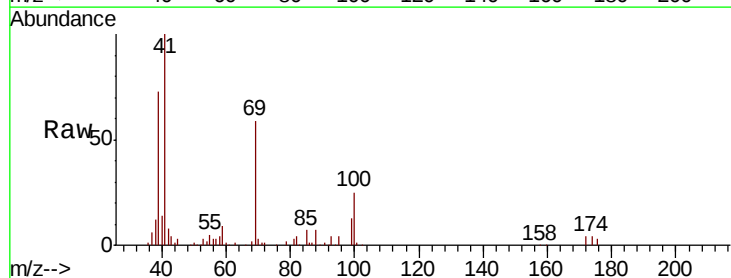
Tgt Ion: 41 Resp: 426542

Ion Ratio Lower Upper

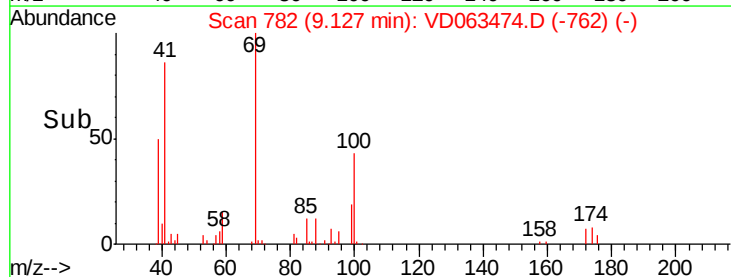
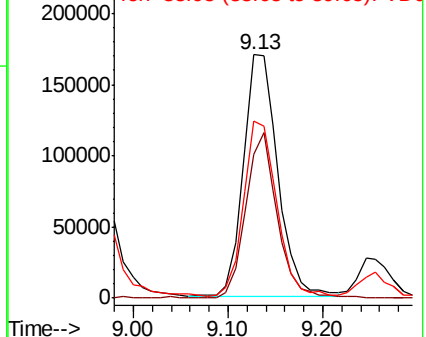
41 100

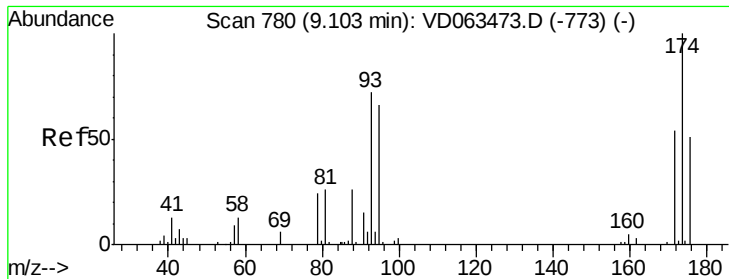
69 59.1 47.6 71.4

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

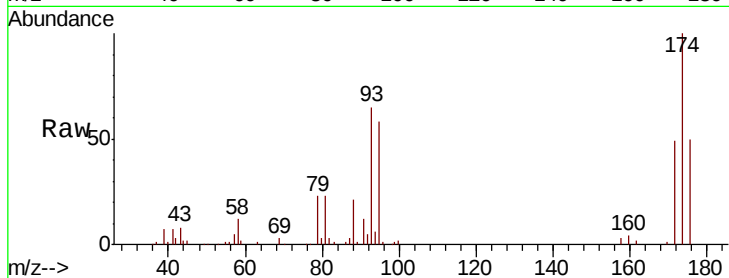




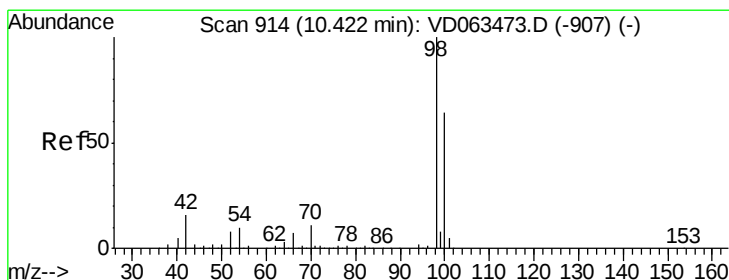
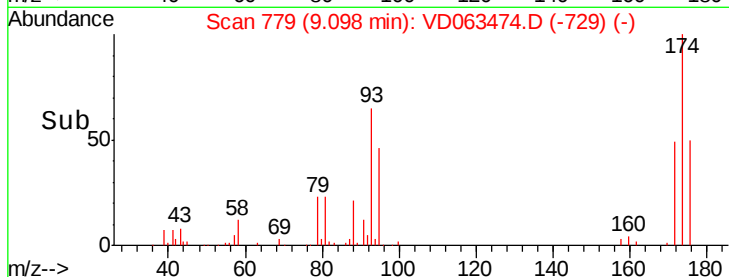
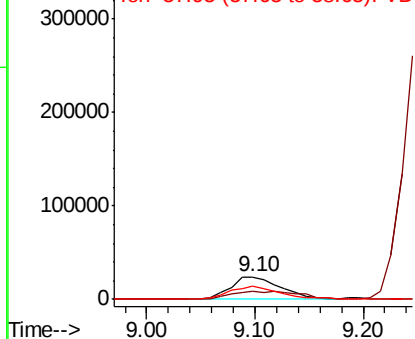
#49
1,4-Dioxane
Concen: 1586.255 ug/l
RT: 9.10 min Scan# 779
Delta R.T. -0.00 min
Lab File: VD063474.D
Acq: 9 Aug 2019 15:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

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

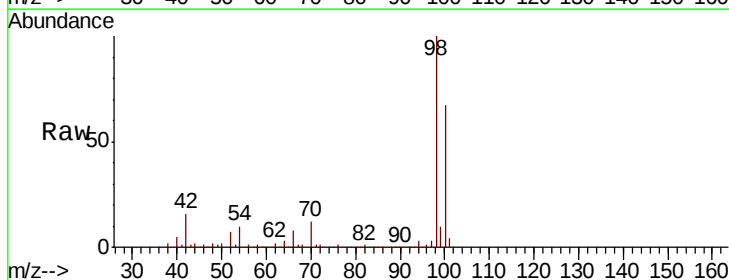


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

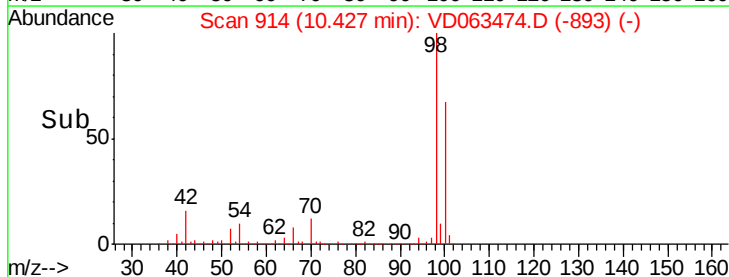
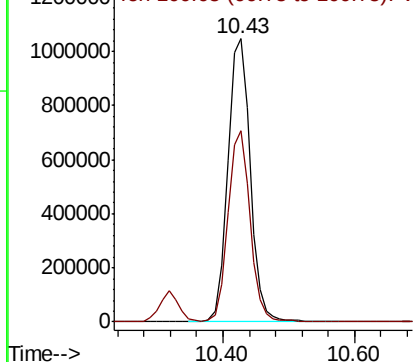


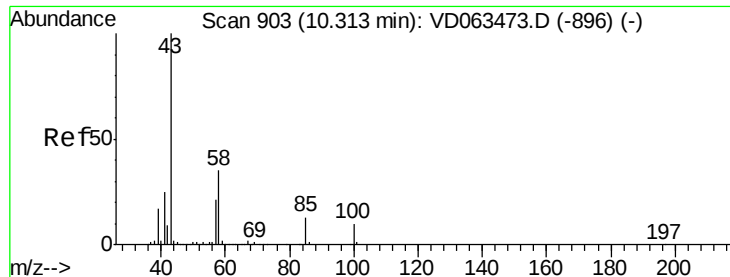
#50
Toluene-d8
Concen: 79.943 ug/l
RT: 10.43 min Scan# 914
Delta R.T. 0.01 min
Lab File: VD063474.D
Acq: 9 Aug 2019 15:23

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



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

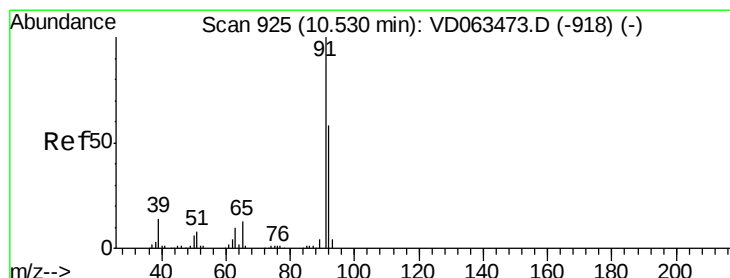
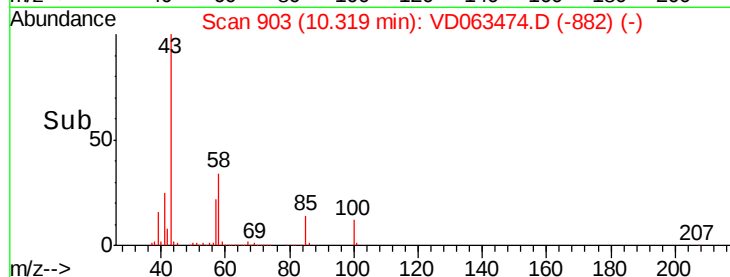
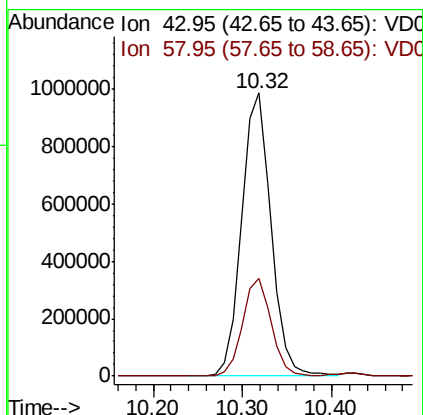
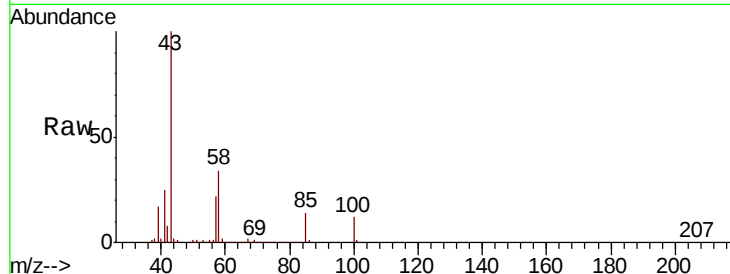




#51
 4-Methyl-2-Pentanone
 Concen: 389.644 ug/l
 RT: 10.32 min Scan# 903
 Delta R.T. 0.01 min
 Lab File: VD063474.D
 Acq: 9 Aug 2019 15:23

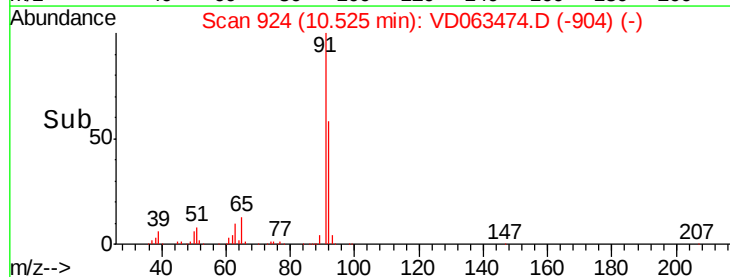
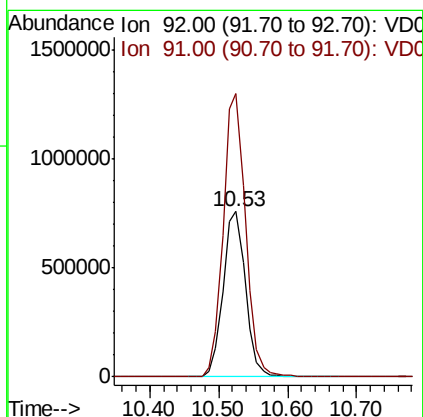
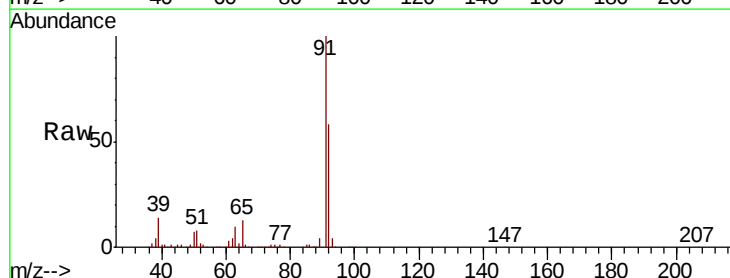
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

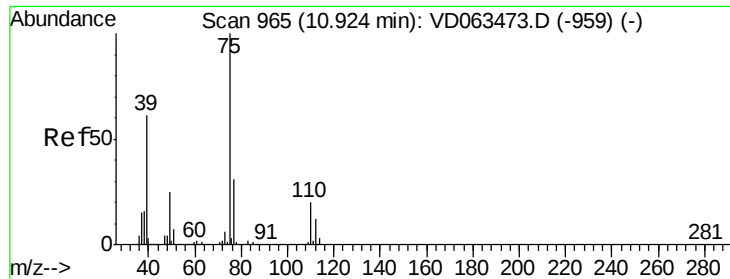
Tgt Ion: 43 Resp: 2240543
 Ion Ratio Lower Upper
 43 100
 58 34.4 28.0 42.0



#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

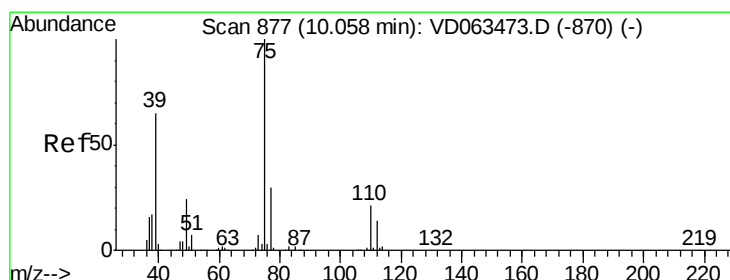
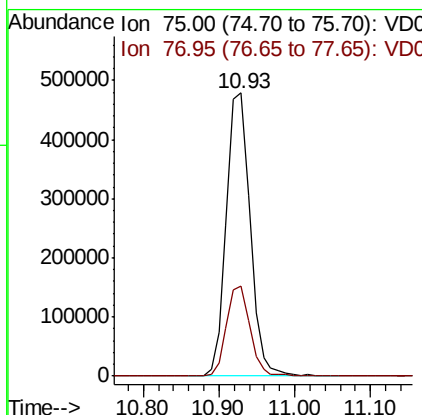
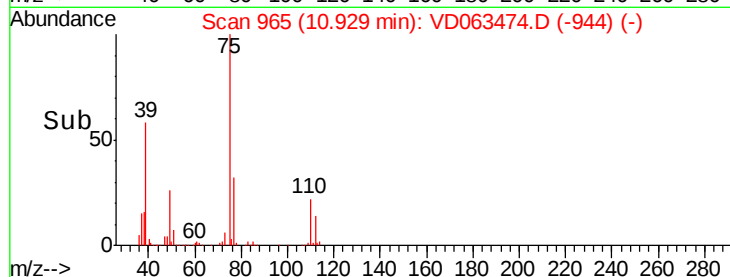
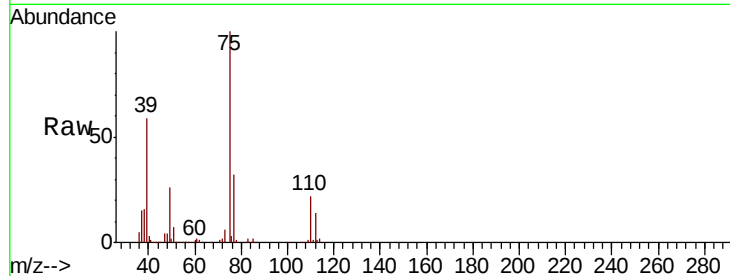




#53
t-1,3-Dichloropropene
Concen: 76.253 ug/l
RT: 10.93 min Scan# 965
Delta R.T. 0.01 min
Lab File: VD063474.D
Acq: 9 Aug 2019 15:23

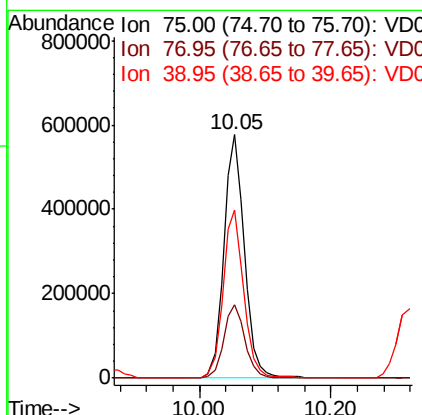
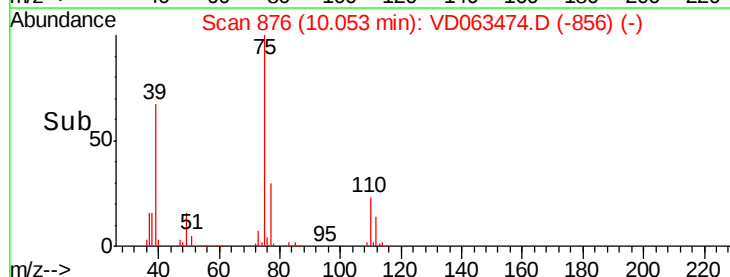
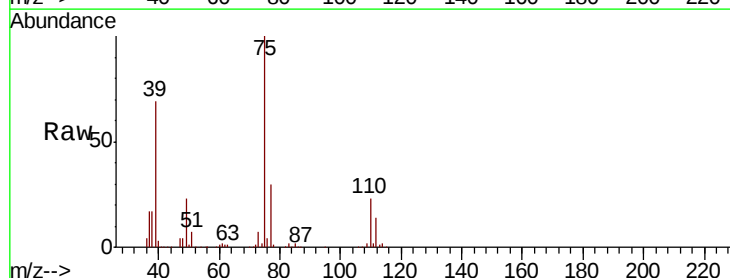
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

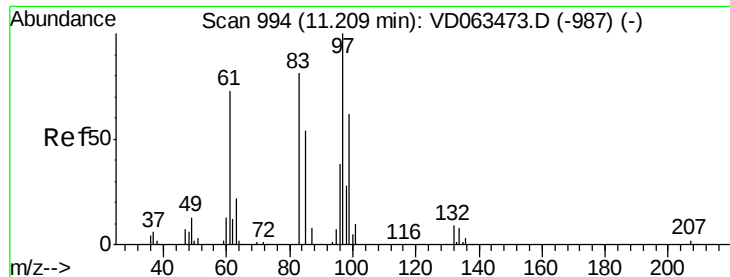
Tgt Ion: 75 Resp: 1046056
Ion Ratio Lower Upper
75 100
77 32.0 24.5 36.7



#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

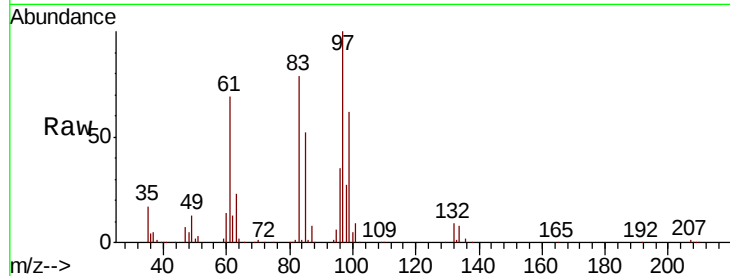




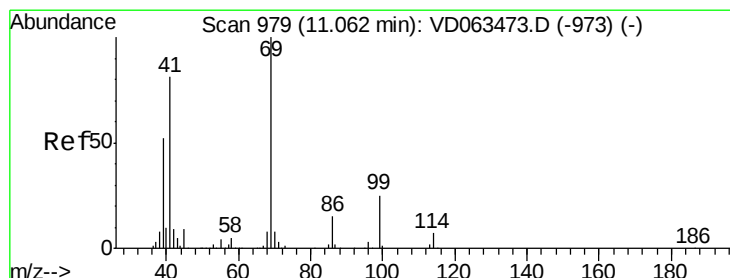
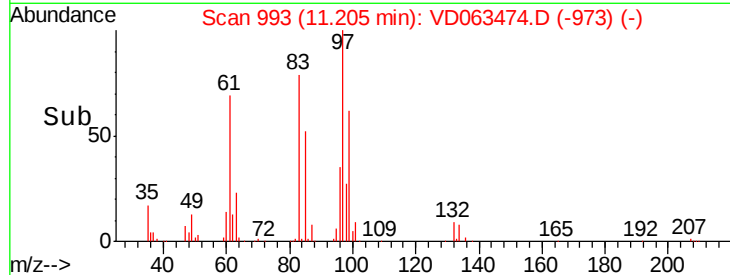
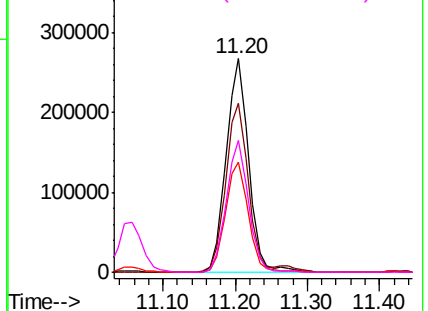
#55
 1,1,2-Trichloroethane
 Concen: 80.721 ug/l
 RT: 11.20 min Scan# 993
 Delta R.T. -0.00 min
 Lab File: VD063474.D
 Acq: 9 Aug 2019 15:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tgt 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

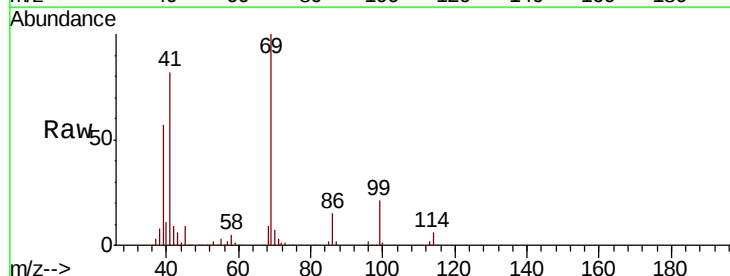


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

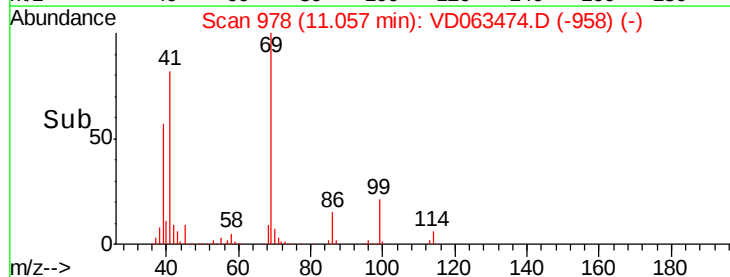
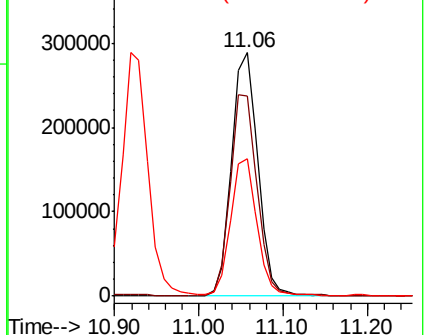


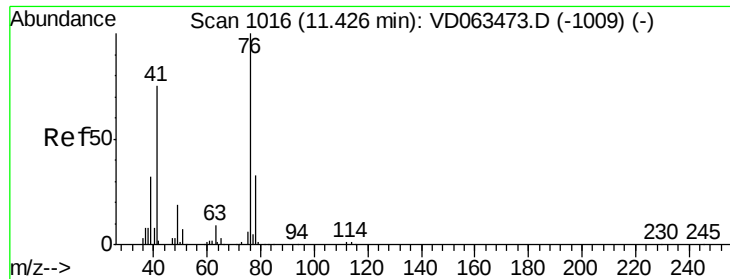
#56
 Ethyl methacrylate
 Concen: 81.107 ug/l
 RT: 11.06 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VD063474.D
 Acq: 9 Aug 2019 15:23

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

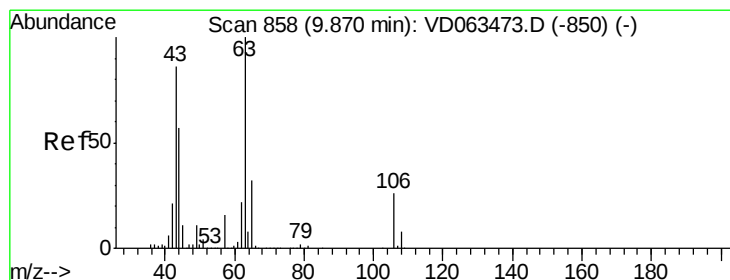
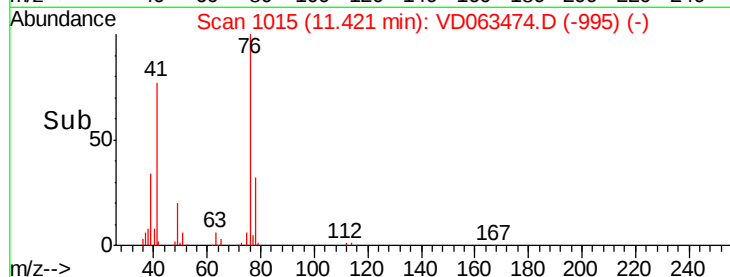
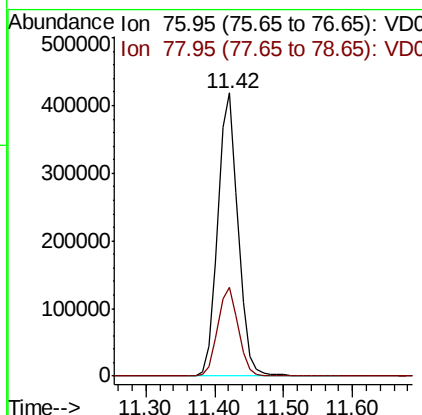
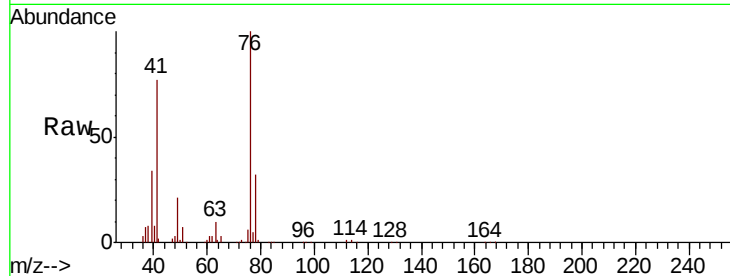




#57
 1,3-Dichloropropane
 Concen: 78.604 ug/l
 RT: 11.42 min Scan# 1015
 Delta R.T. -0.00 min
 Lab File: VD063474.D
 Acq: 9 Aug 2019 15:23

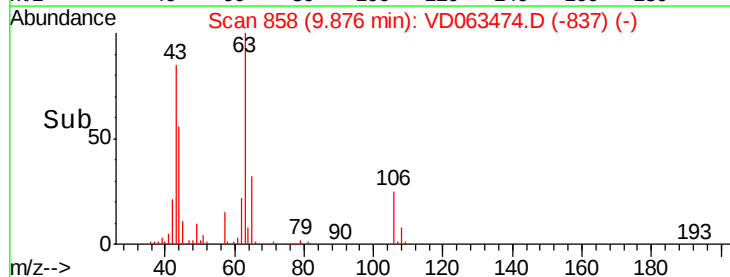
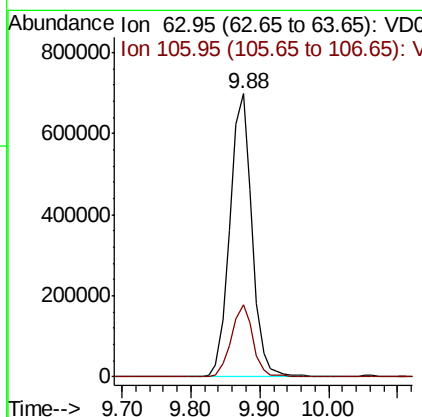
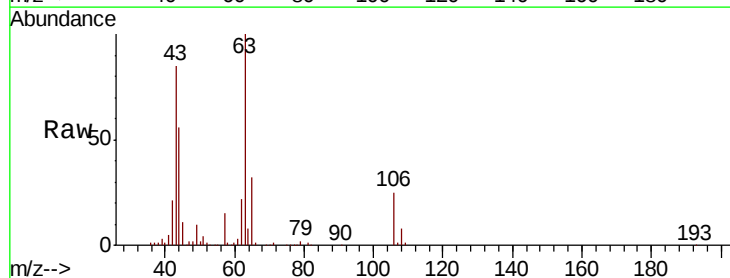
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

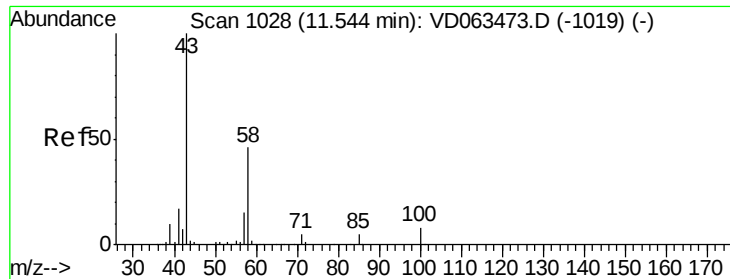
Tgt Ion: 76 Resp: 851840
 Ion Ratio Lower Upper
 76 100
 78 31.6 26.3 39.5



#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

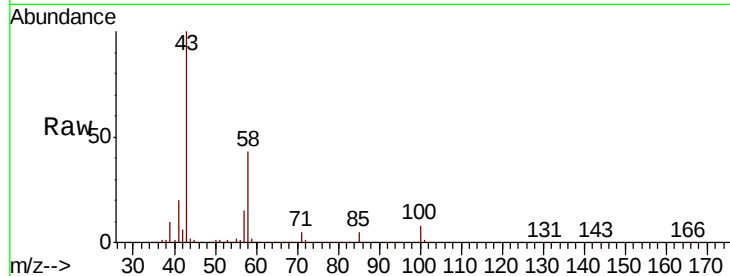




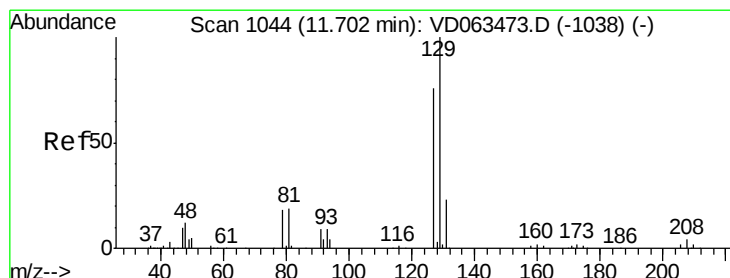
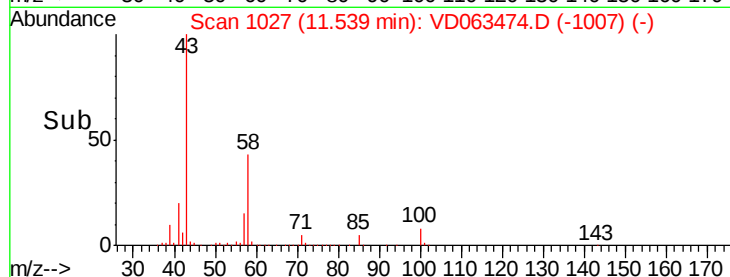
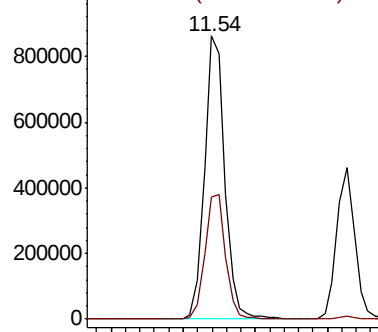
#59
2-Hexanone
Concen: 403.298 ug/l
RT: 11.54 min Scan# 1027
Delta R.T. -0.00 min
Lab File: VD063474.D
Acq: 9 Aug 2019 15:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

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

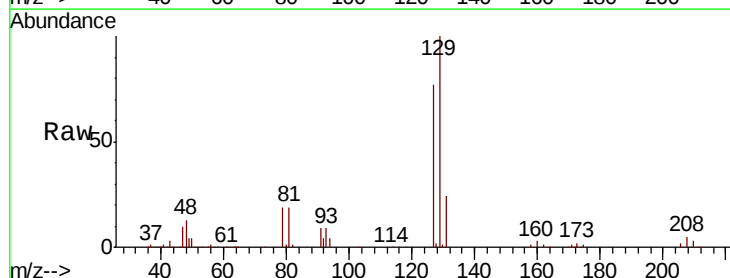


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

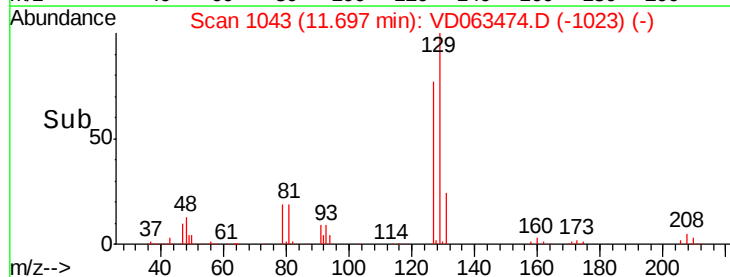
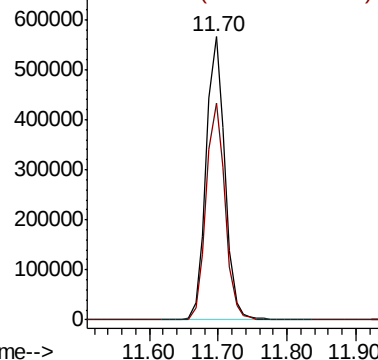


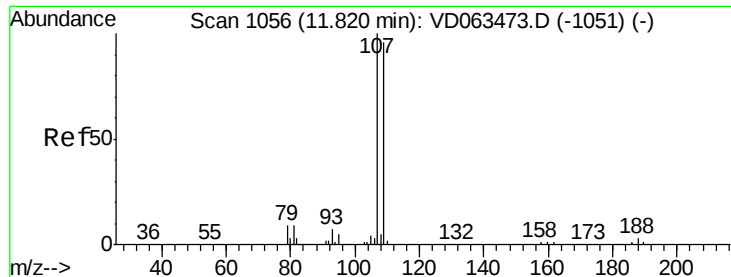
#60
Dibromochloromethane
Concen: 81.596 ug/l
RT: 11.70 min Scan# 1043
Delta R.T. -0.00 min
Lab File: VD063474.D
Acq: 9 Aug 2019 15:23

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



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V

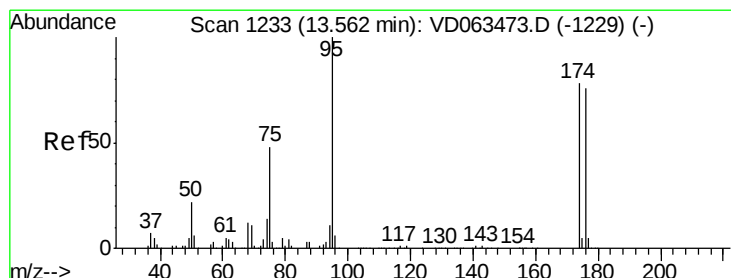
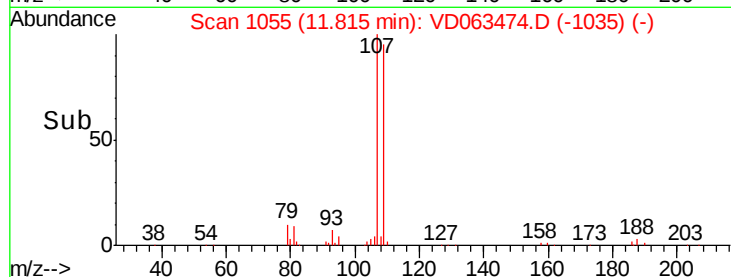
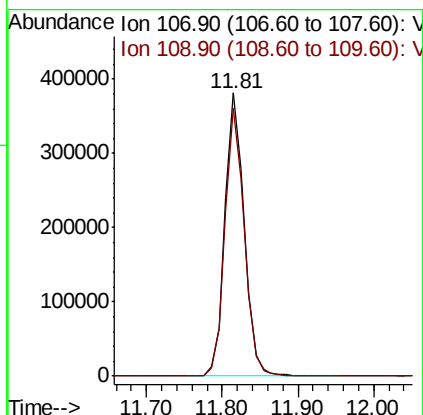
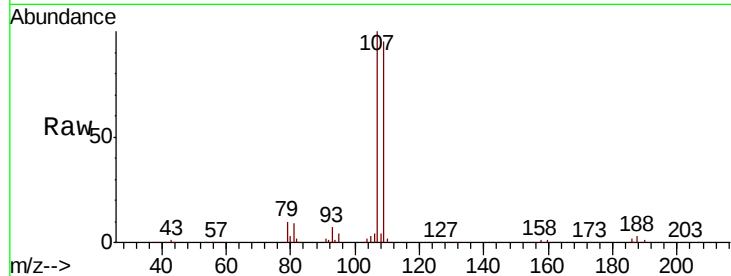




#61
 1,2-Dibromoethane
 Concen: 77.418 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. -0.00 min
 Lab File: VD063474.D
 Acq: 9 Aug 2019 15:23

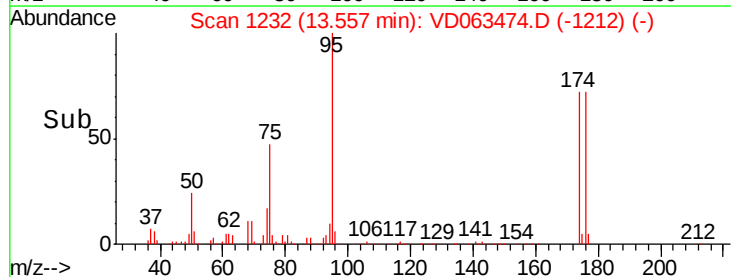
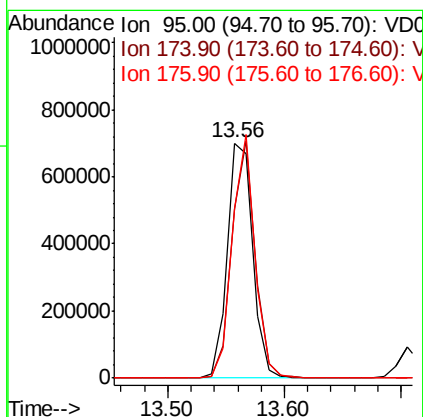
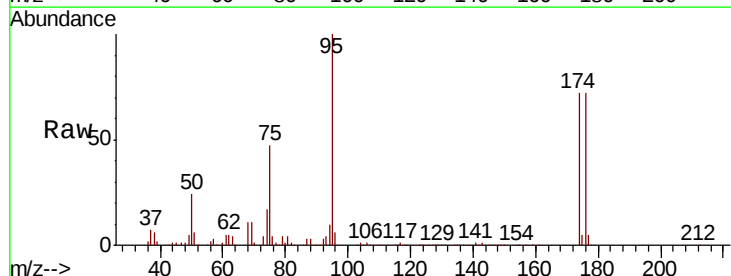
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tgt Ion: 107 Resp: 671922
 Ion Ratio Lower Upper
 107 100
 109 94.8 76.8 115.2



#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

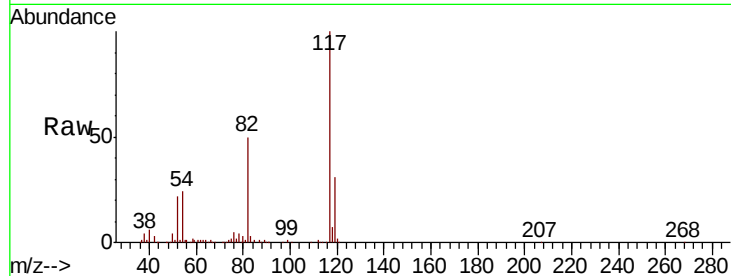




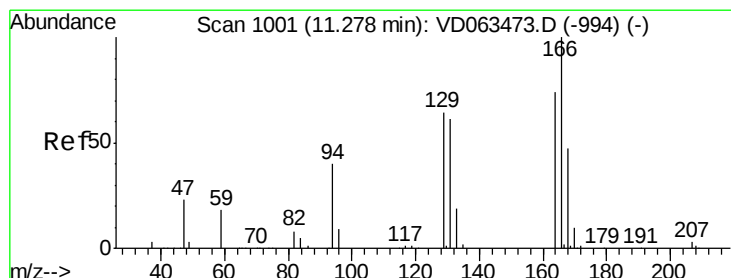
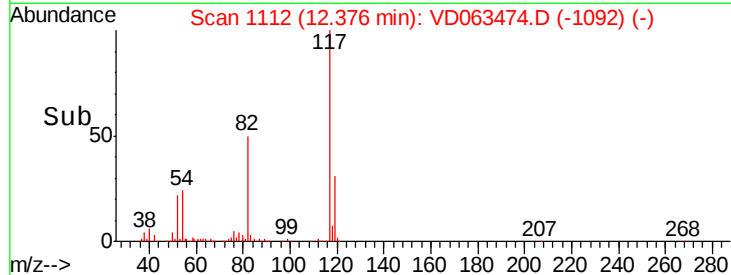
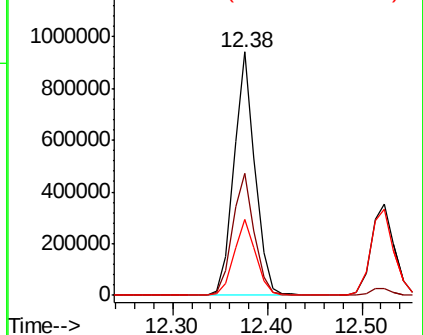
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD063474.D
Acq: 9 Aug 2019 15:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

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

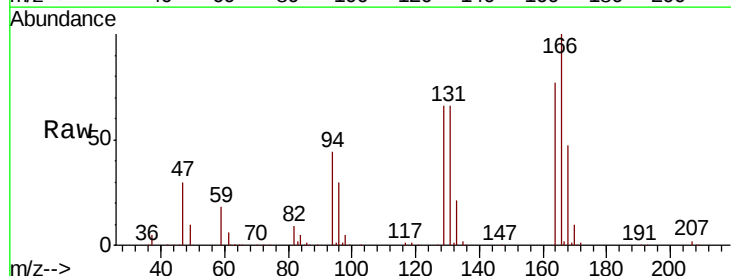


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

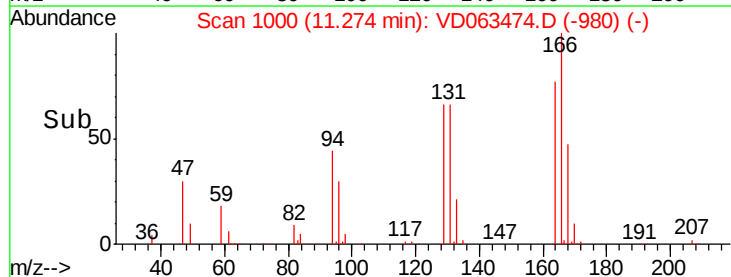
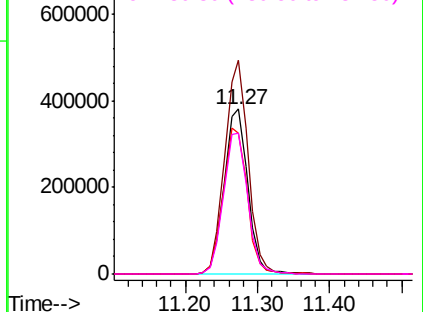


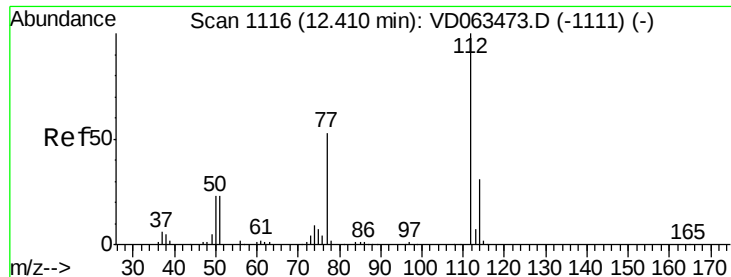
#64
Tetrachloroethene
Concen: 77.760 ug/l
RT: 11.27 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VD063474.D
Acq: 9 Aug 2019 15:23

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 :

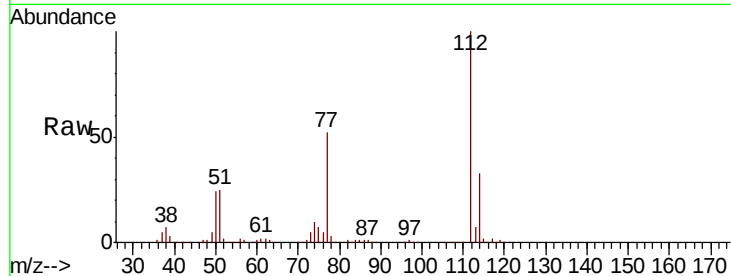
VSTDIC075

Tgt Ion:112 Resp: 2075485

Ion Ratio Lower Upper

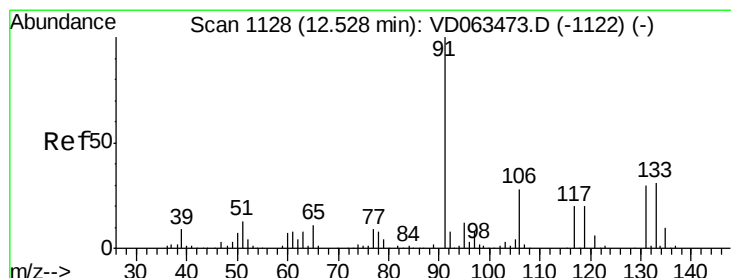
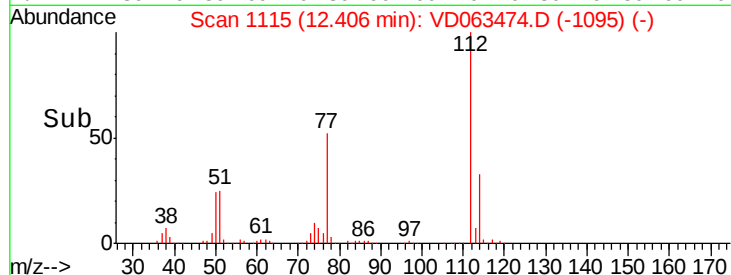
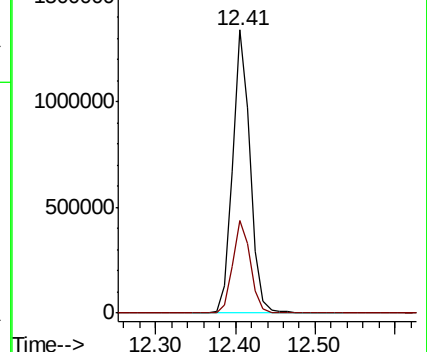
112 100

114 32.6 25.1 37.7



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 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

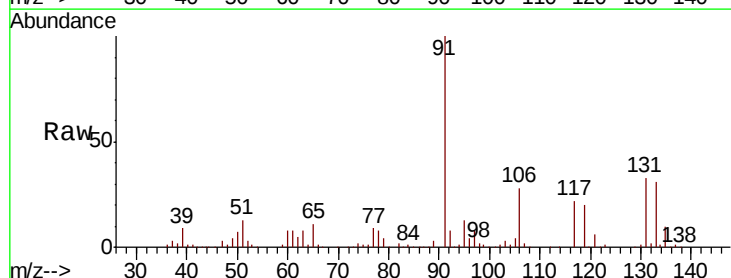
Tgt Ion:131 Resp: 910475

Ion Ratio Lower Upper

131 100

133 93.7 51.1 153.3

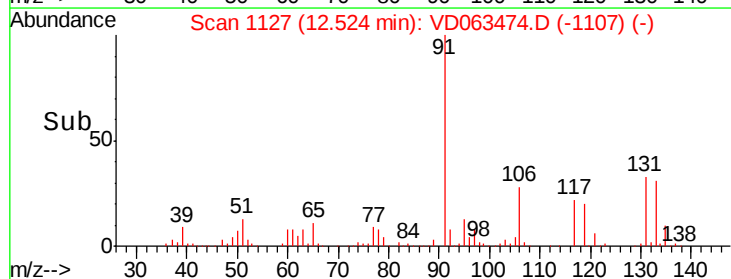
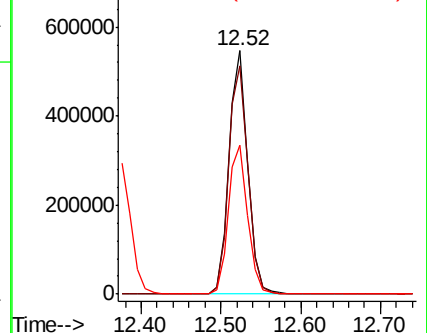
119 61.2 33.1 99.3

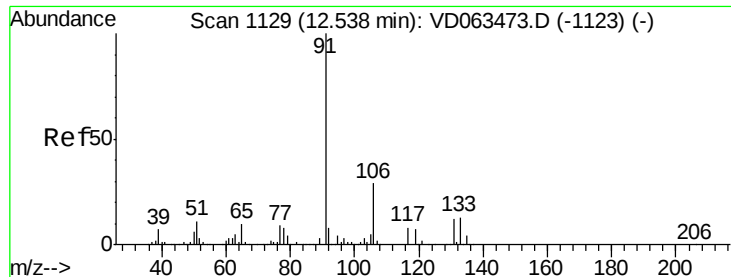


Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

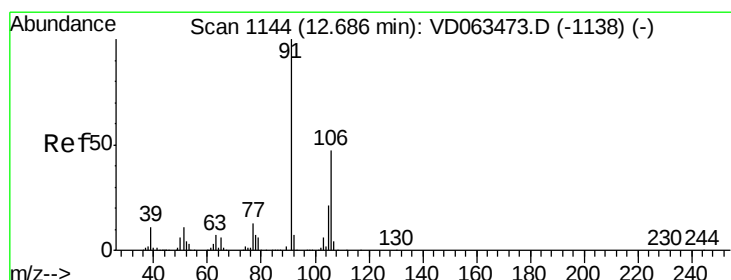
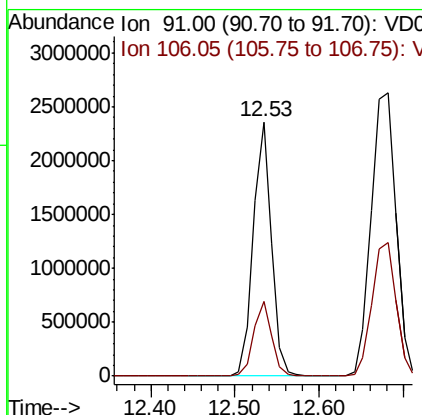
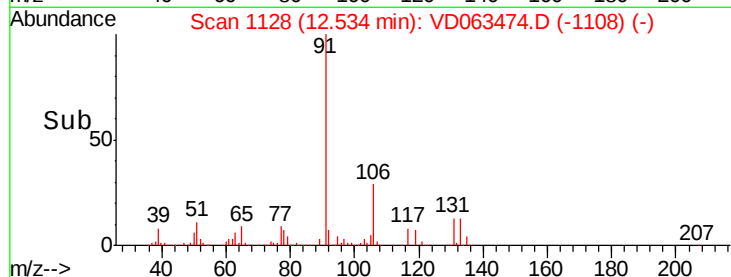
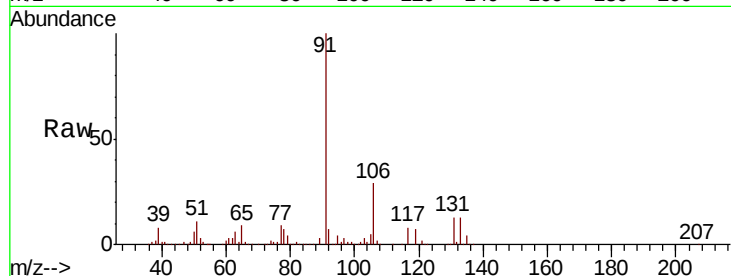




#67
Ethyl Benzene
Concen: 76.389 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VD063474.D
Acq: 9 Aug 2019 15:23

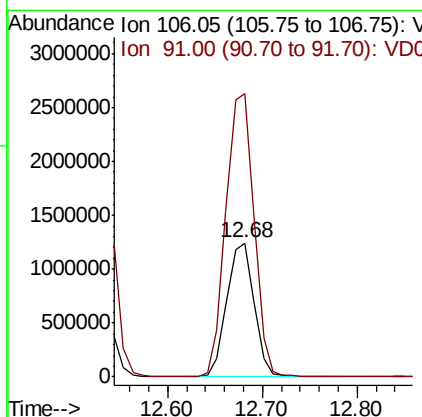
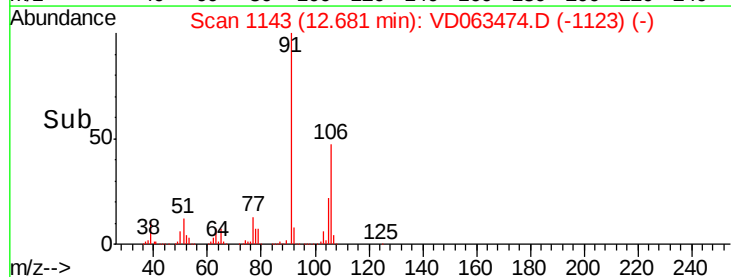
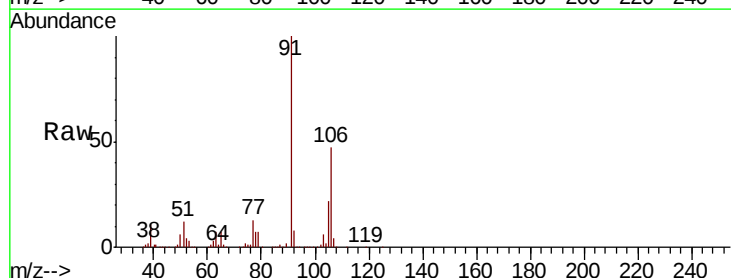
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

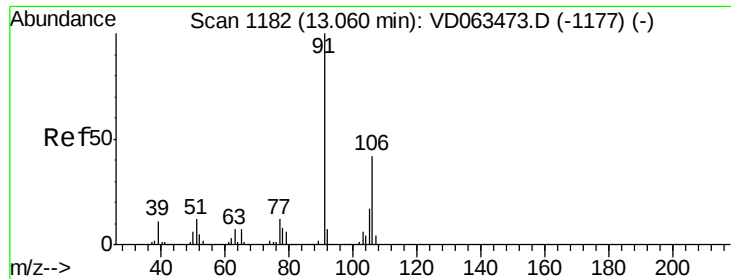
Tgt Ion: 91 Resp: 3590782
Ion Ratio Lower Upper
91 100
106 29.4 23.1 34.7



#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

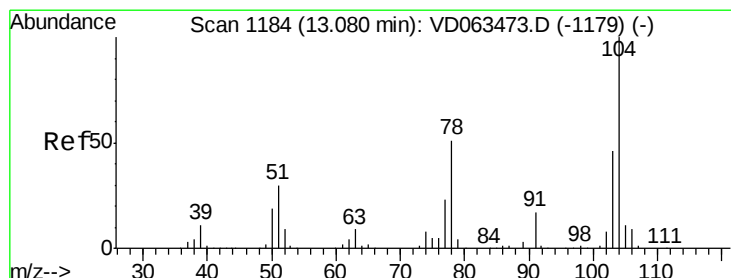
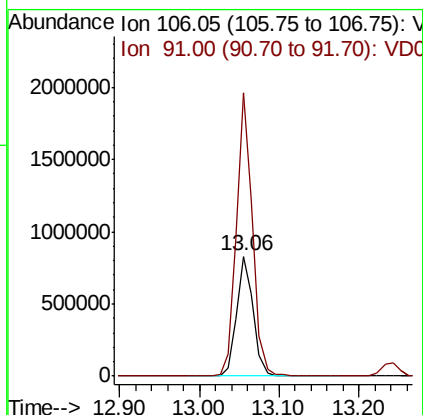
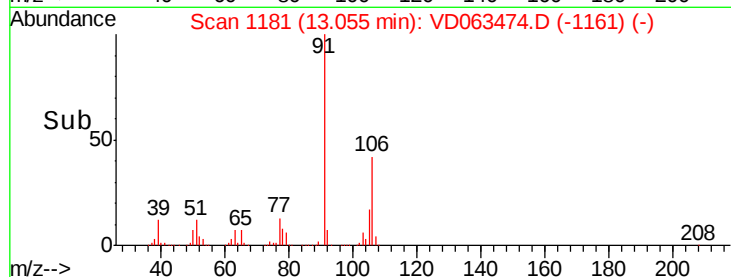
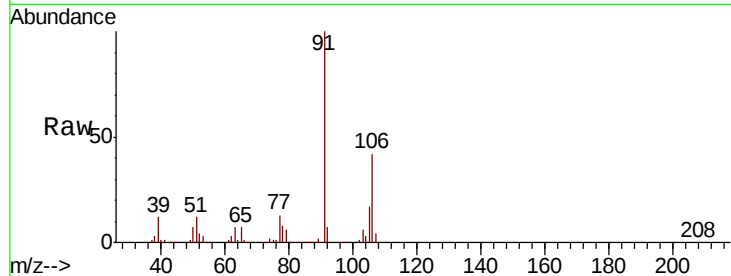




#69
o-Xylene
Concen: 76.095 ug/l
RT: 13.06 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD063474.D
Acq: 9 Aug 2019 15:23

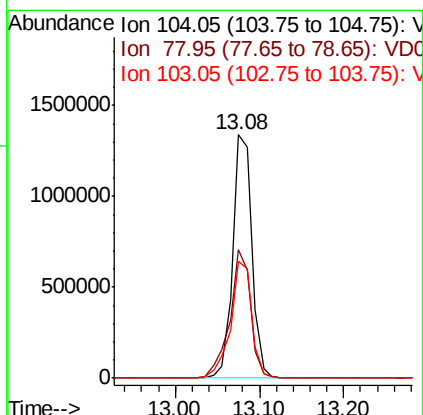
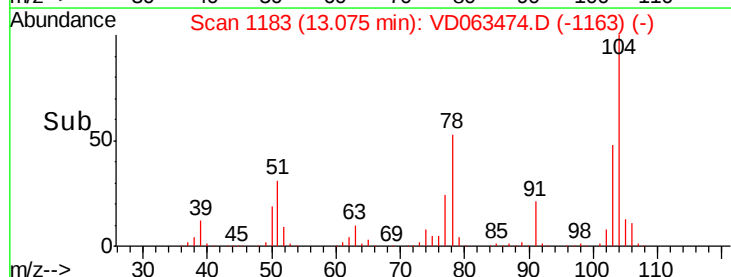
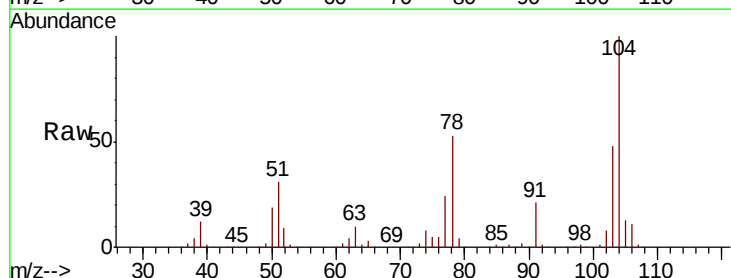
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

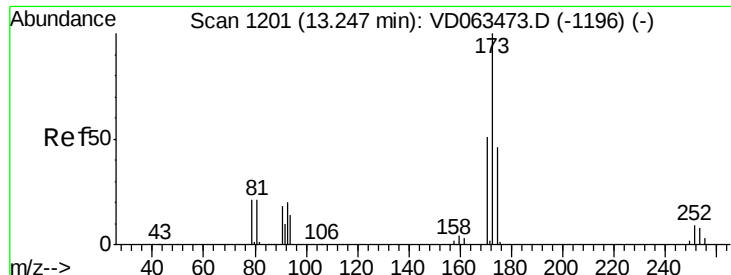
Tgt Ion:106 Resp: 1209522
Ion Ratio Lower Upper
106 100
91 236.1 118.1 354.2



#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





#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

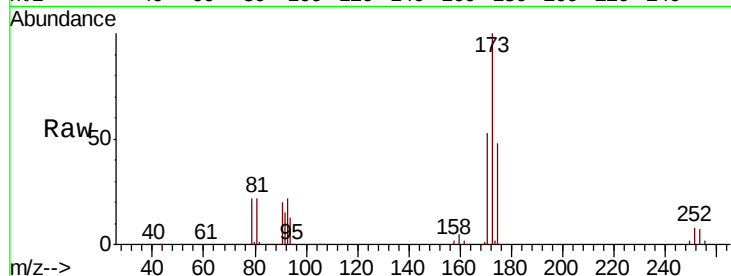
Tgt Ion:173 Resp: 644749

Ion Ratio Lower Upper

173 100

175 48.3 22.8 68.3

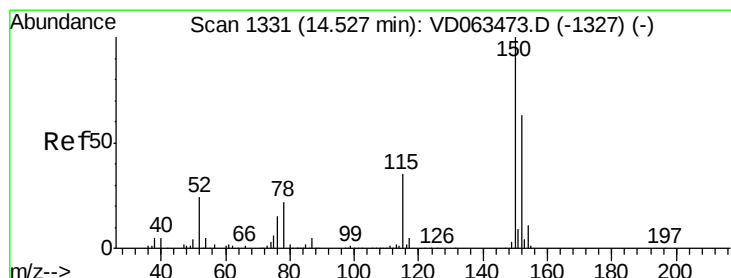
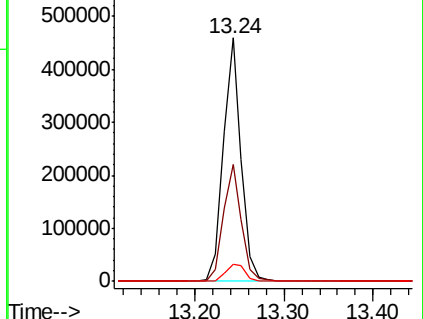
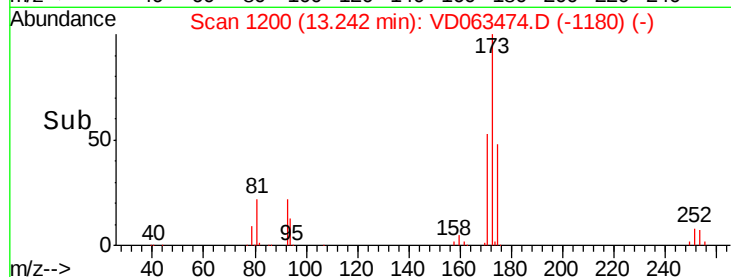
254 7.1 6.6 9.8



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VD063474.D

Acq: 9 Aug 2019 15:23

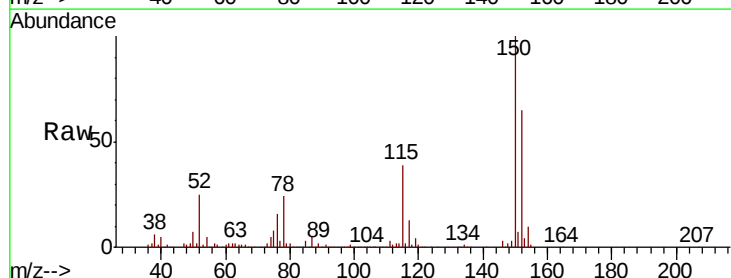
Tgt Ion:152 Resp: 730528

Ion Ratio Lower Upper

152 100

115 59.3 30.9 92.7

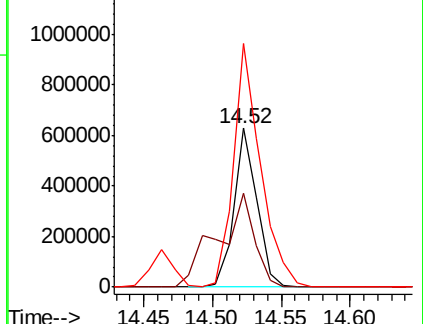
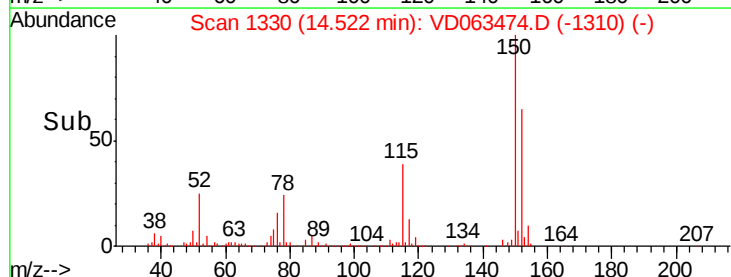
150 153.5 0.0 318.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 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 :

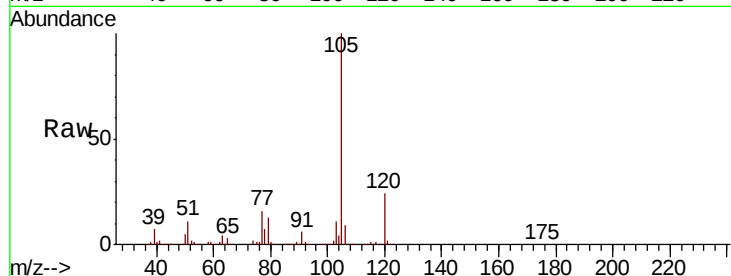
VSTDIC075

Tgt Ion: 105 Resp: 3537455

Ion Ratio Lower Upper

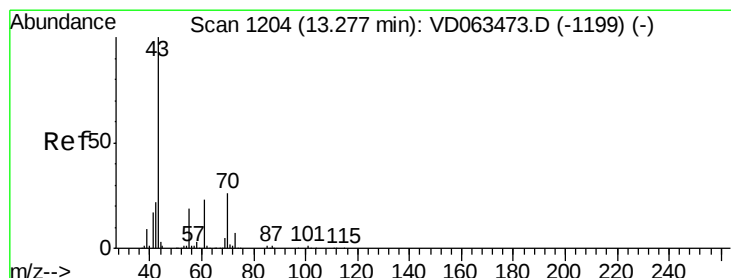
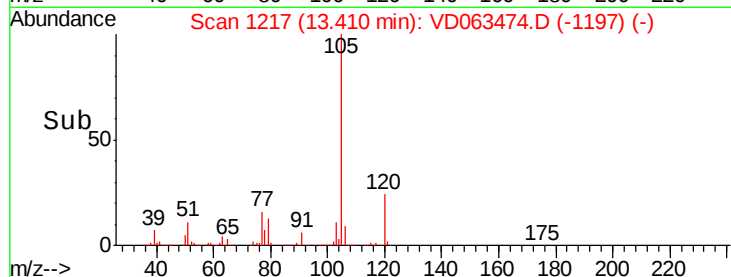
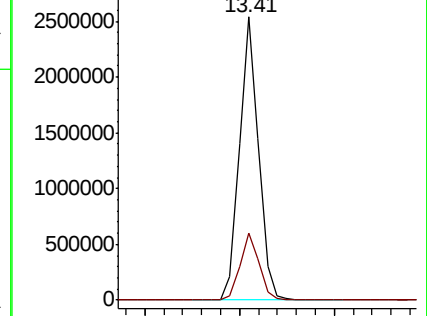
105 100

120 23.7 11.9 35.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#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

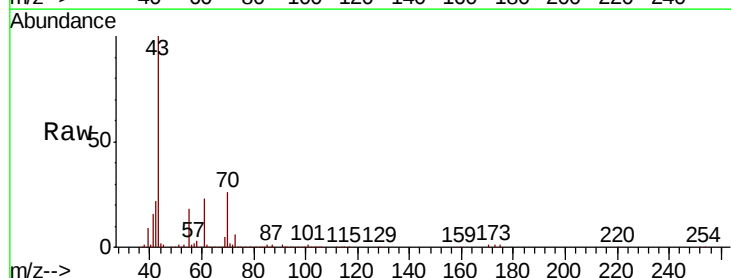
Ion Ratio Lower Upper

43 100

70 26.4 21.1 31.7

55 18.0 15.4 23.0

61 23.1 18.2 27.2

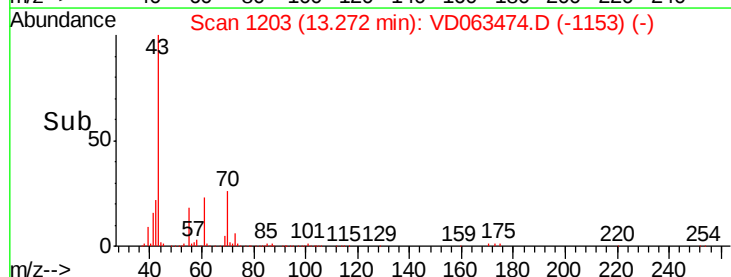
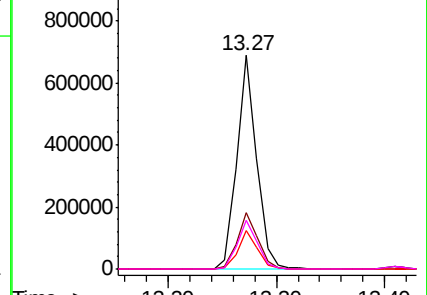


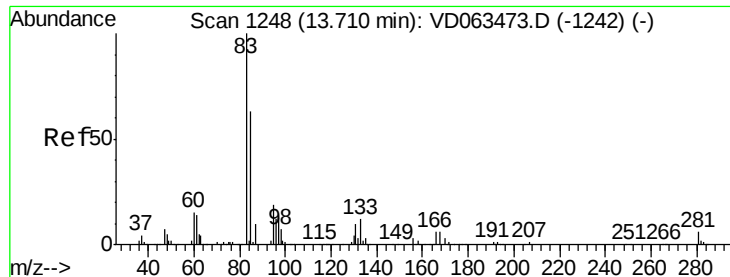
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 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

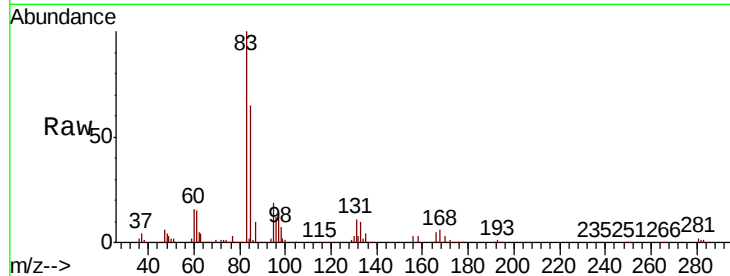
Tgt Ion: 83 Resp: 611087

Ion Ratio Lower Upper

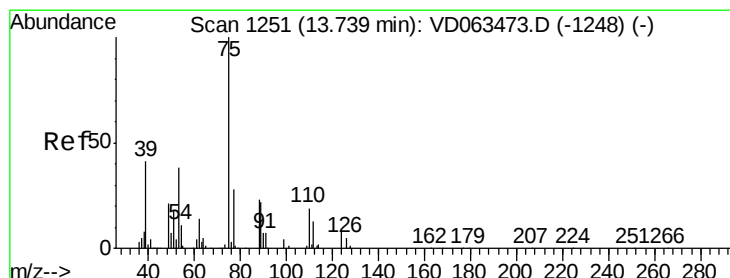
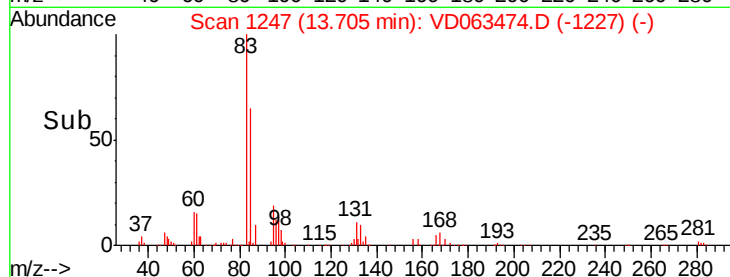
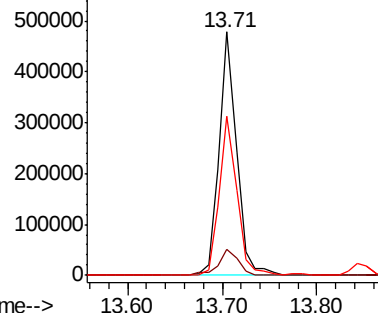
83 100

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

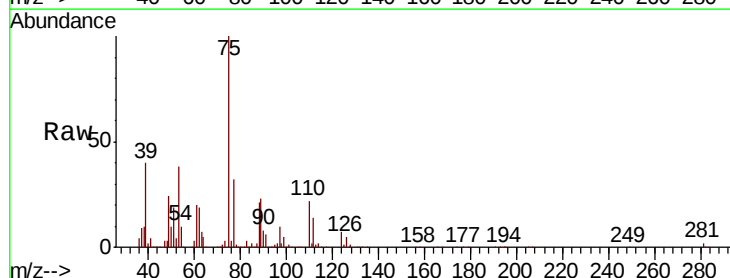
Acq: 9 Aug 2019 15:23

Tgt Ion: 75 Resp: 684117

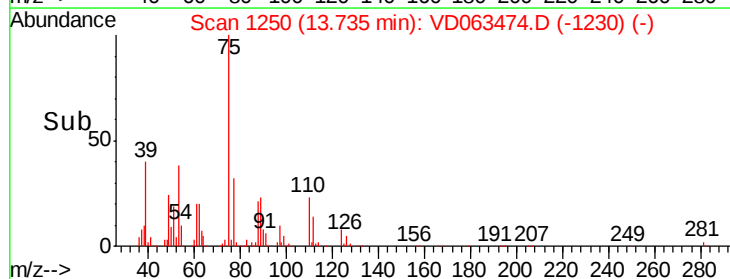
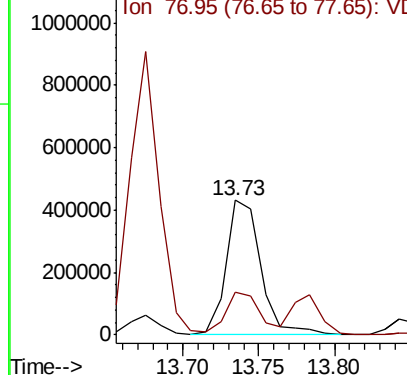
Ion Ratio Lower Upper

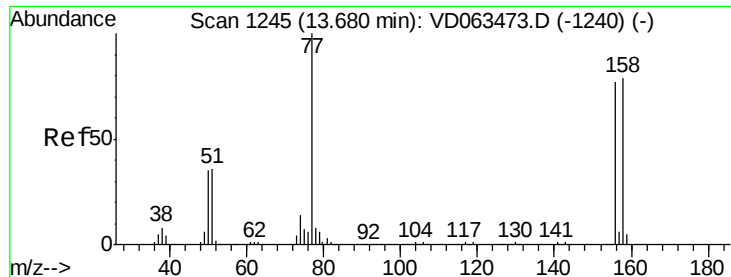
75 100

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

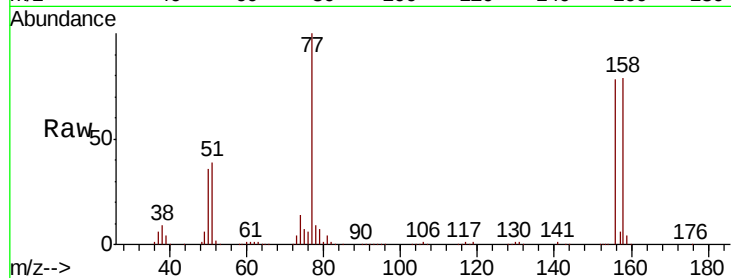
Tgt Ion:156 Resp: 963620

Ion Ratio Lower Upper

156 100

77 127.9 64.6 193.8

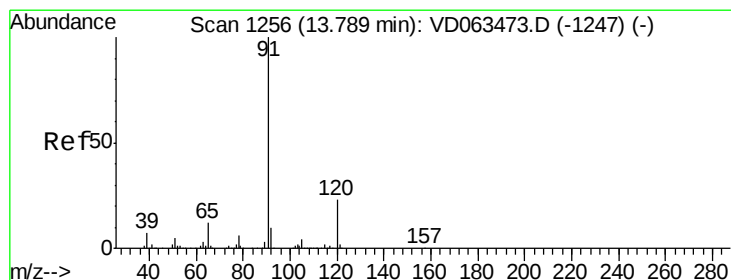
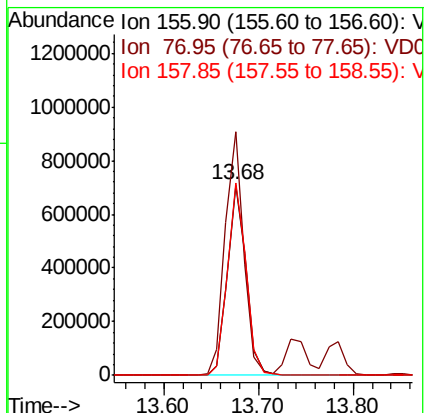
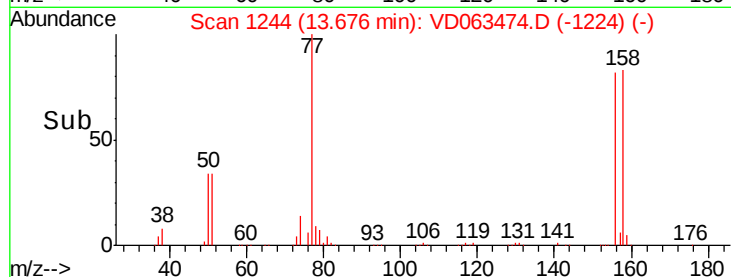
158 101.2 50.9 152.7



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

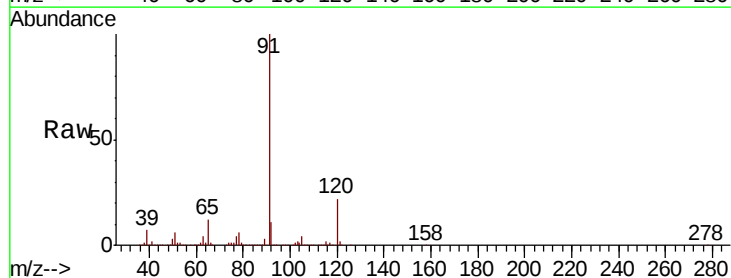
Acq: 9 Aug 2019 15:23

Tgt Ion: 91 Resp: 4267157

Ion Ratio Lower Upper

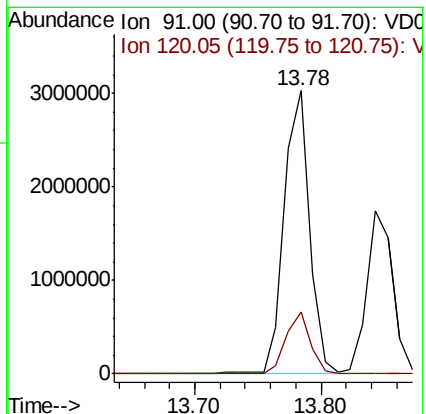
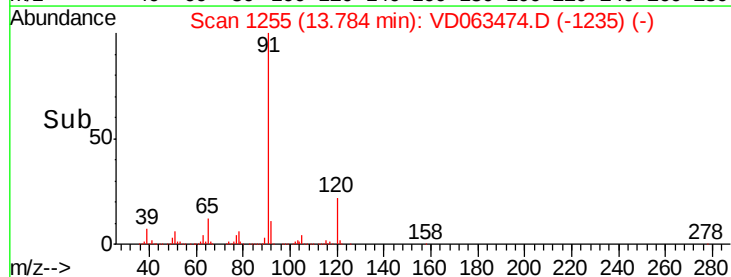
91 100

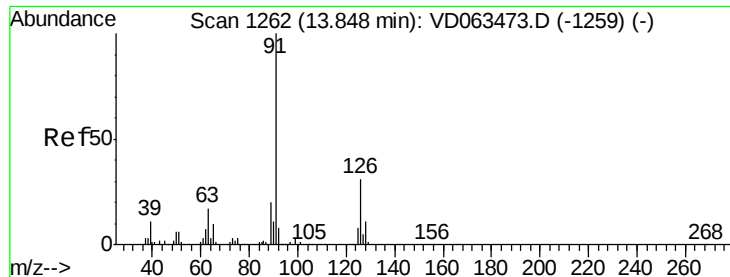
120 22.0 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

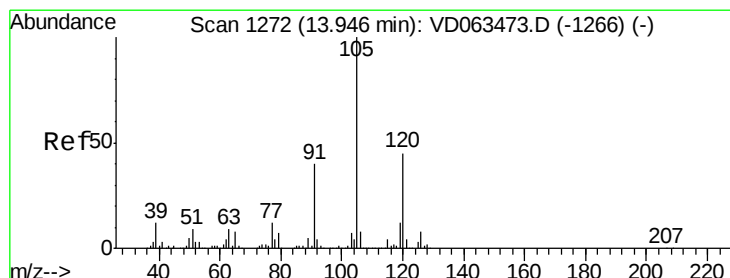
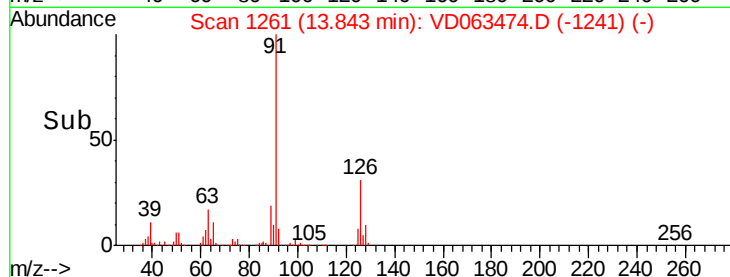
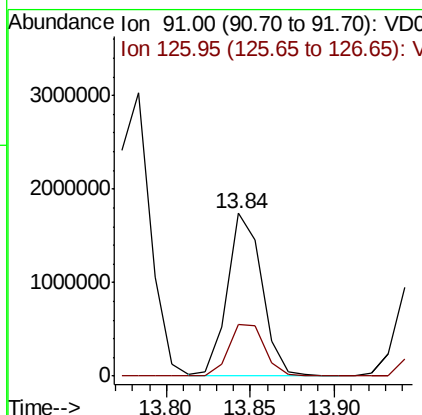
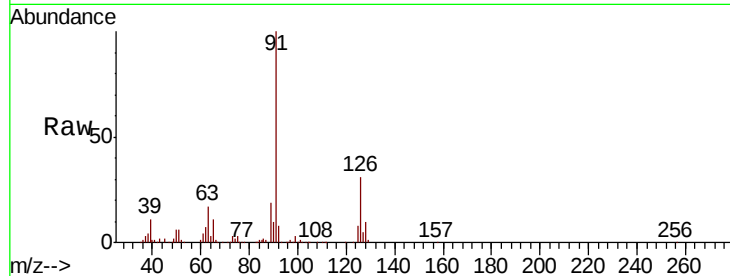




#79
 2-Chlorotoluene
 Concen: 78.993 ug/l
 RT: 13.84 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VD063474.D
 Acq: 9 Aug 2019 15:23

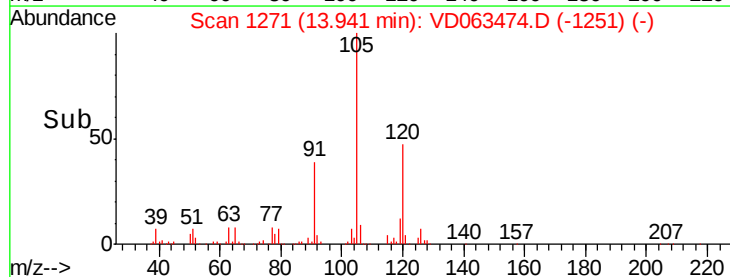
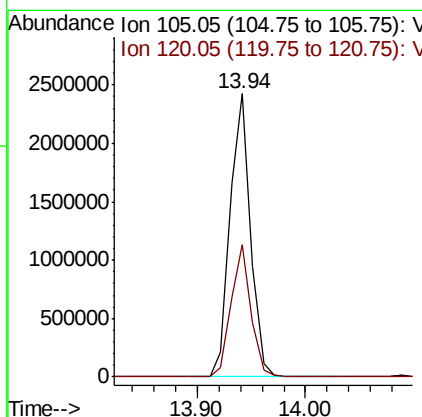
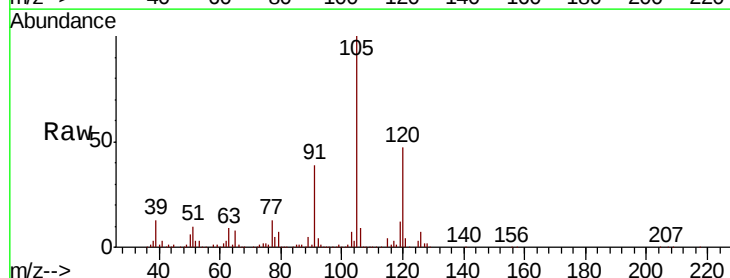
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

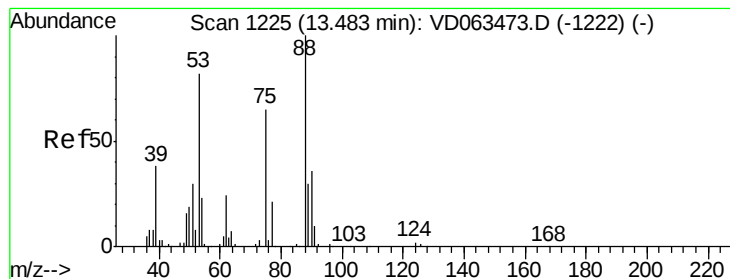
Tgt Ion: 91 Resp: 2475847
 Ion Ratio Lower Upper
 91 100
 126 31.4 15.6 46.7



#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

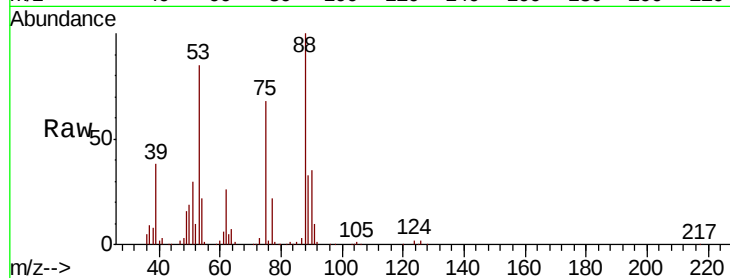
Tgt Ion: 75 Resp: 183631

Ion Ratio Lower Upper

75 100

53 125.0 101.0 151.4

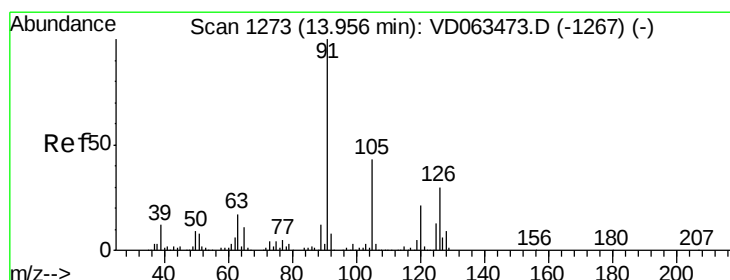
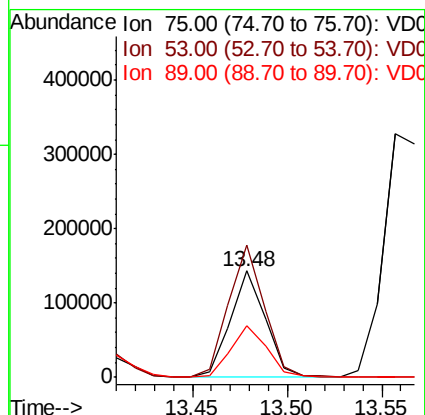
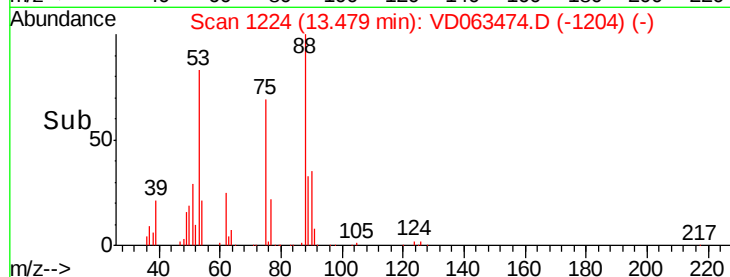
89 48.2 37.0 55.6



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

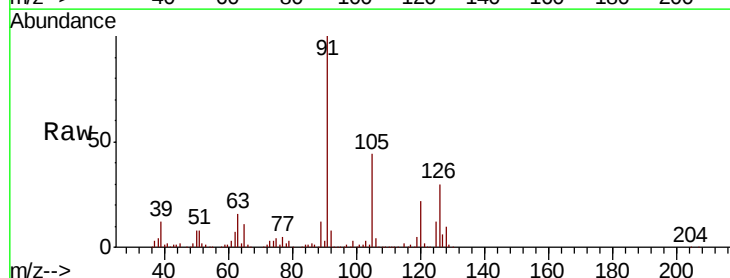
Acq: 9 Aug 2019 15:23

Tgt Ion: 91 Resp: 2971606

Ion Ratio Lower Upper

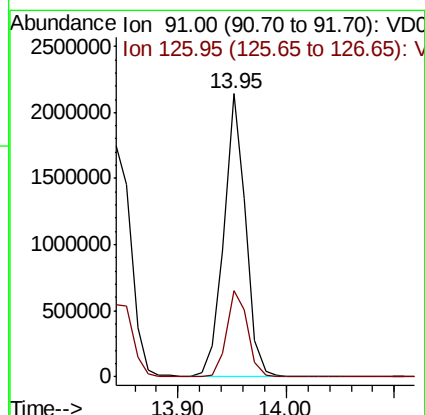
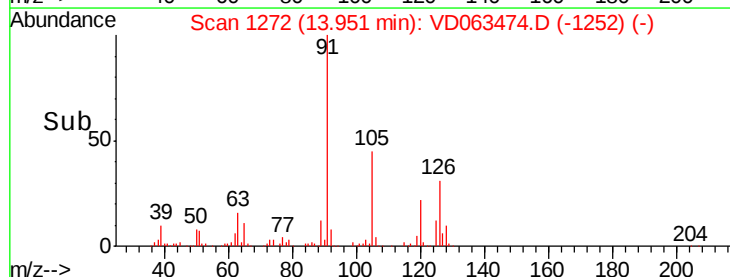
91 100

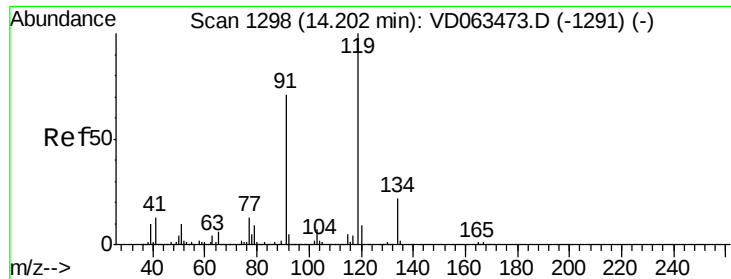
126 30.3 15.2 45.6



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

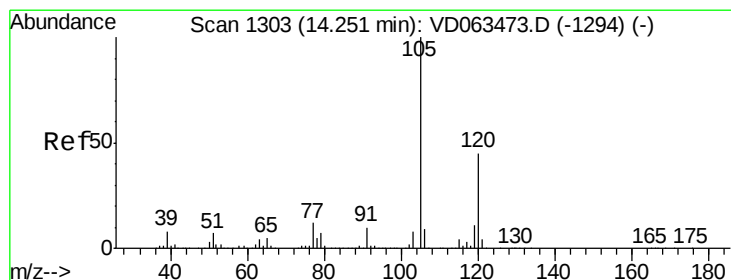
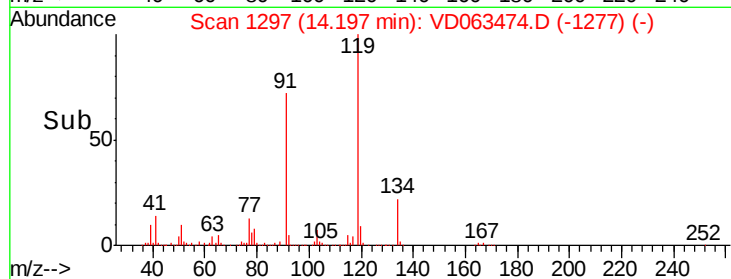
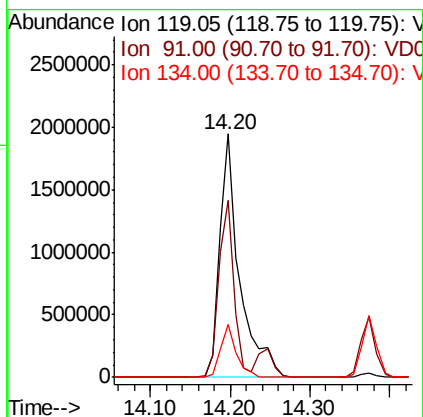
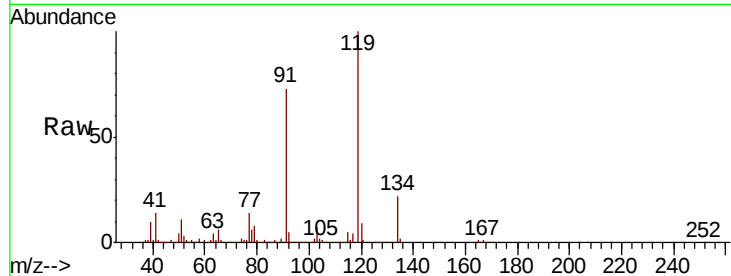




#83
 tert-Butylbenzene
 Concen: 79.703 ug/l
 RT: 14.20 min Scan# 1297
 Delta R.T. -0.00 min
 Lab File: VD063474.D
 Acq: 9 Aug 2019 15:23

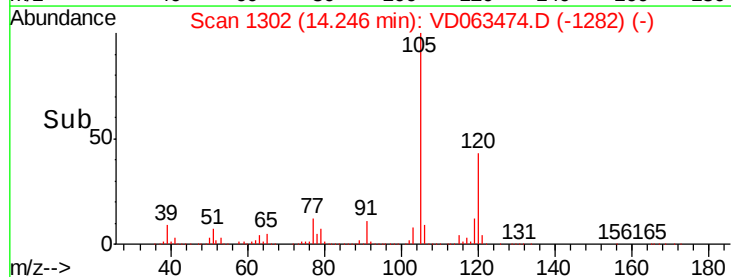
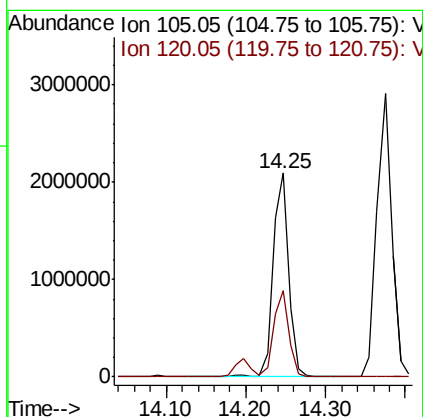
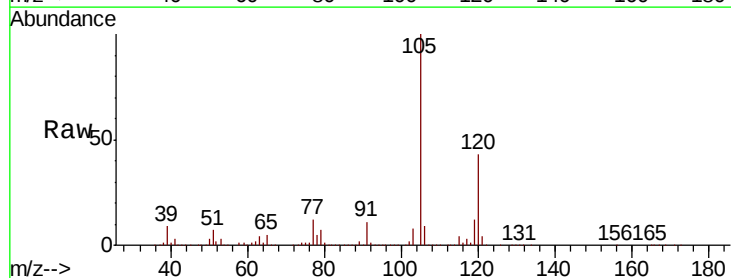
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

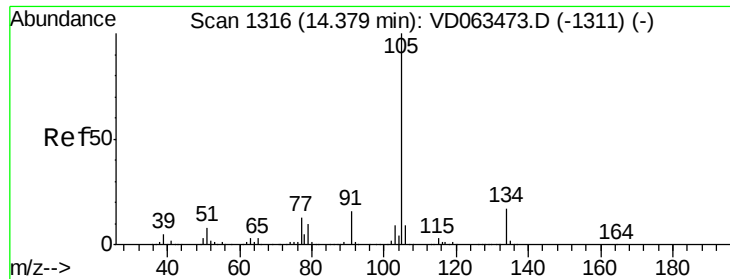
Tgt Ion:119 Resp: 3407474
 Ion Ratio Lower Upper
 119 100
 91 72.6 35.5 106.7
 134 21.7 11.1 33.1



#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

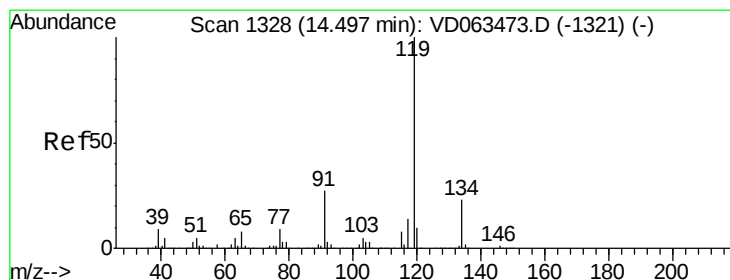
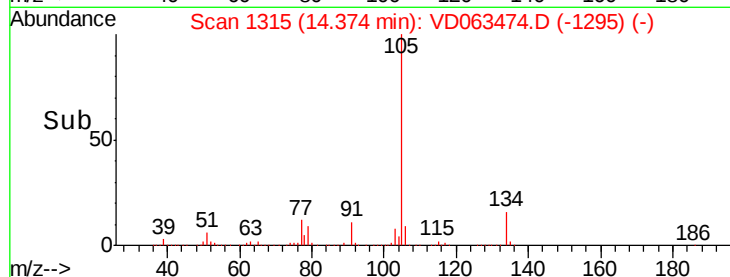
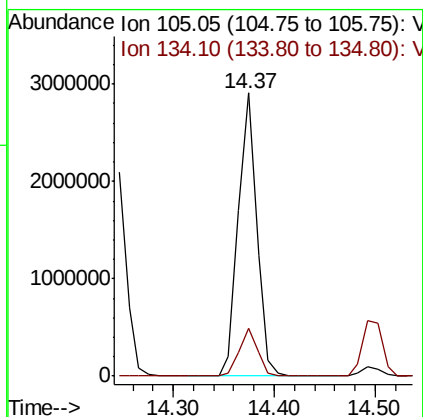
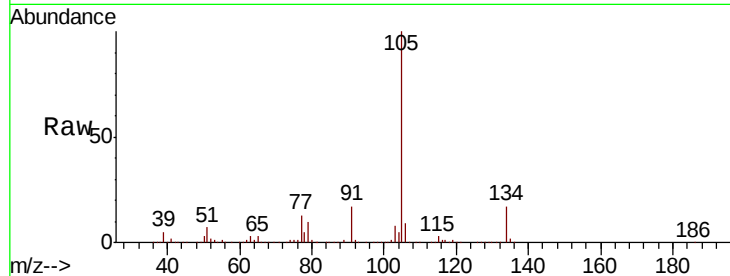




#85
 sec-Butylbenzene
 Concen: 81.473 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VD063474.D
 Acq: 9 Aug 2019 15:23

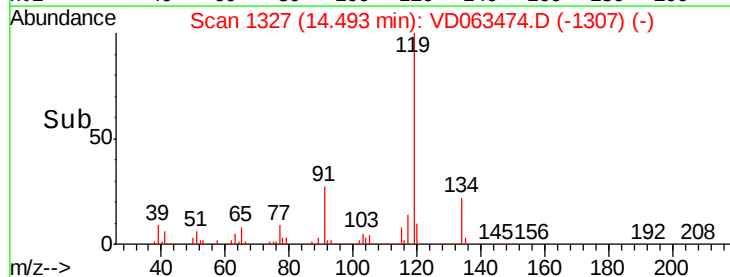
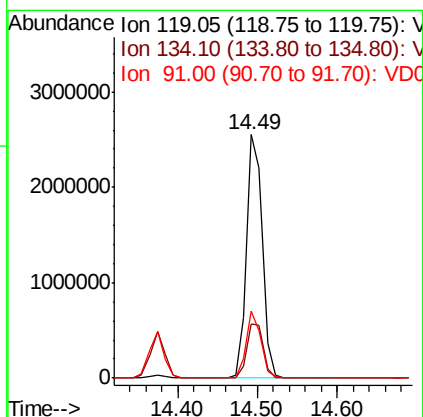
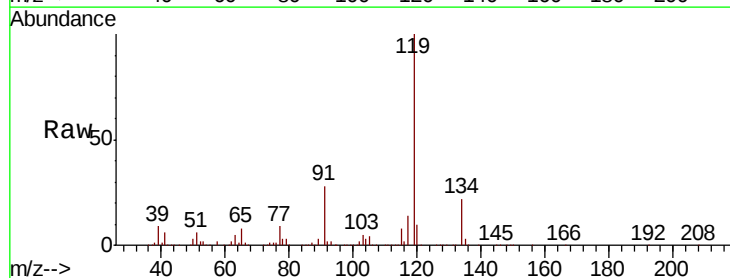
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

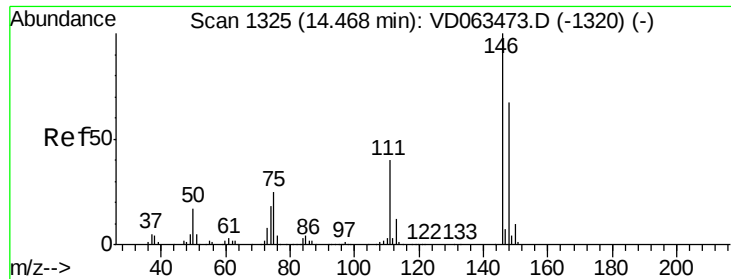
Tgt Ion:105 Resp: 3699010
 Ion Ratio Lower Upper
 105 100
 134 16.9 8.3 24.8



#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

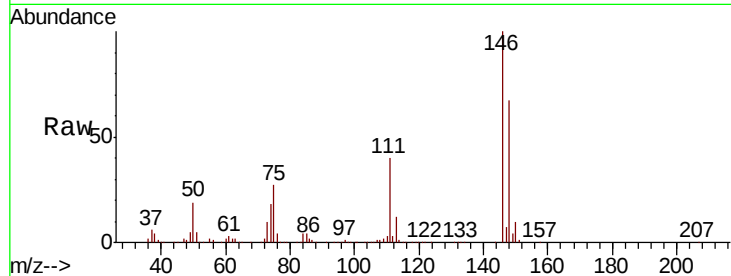
Tgt Ion:146 Resp: 1762868

Ion Ratio Lower Upper

146 100

111 40.0 20.0 60.0

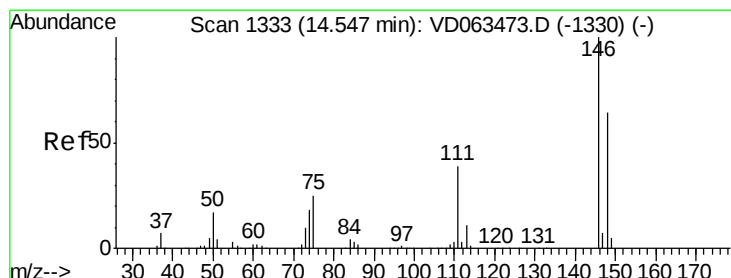
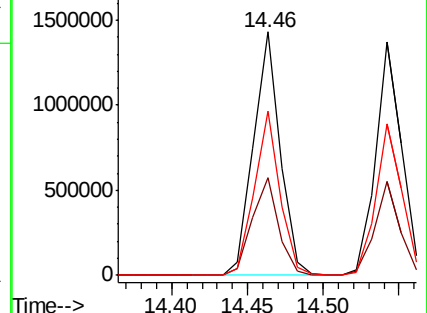
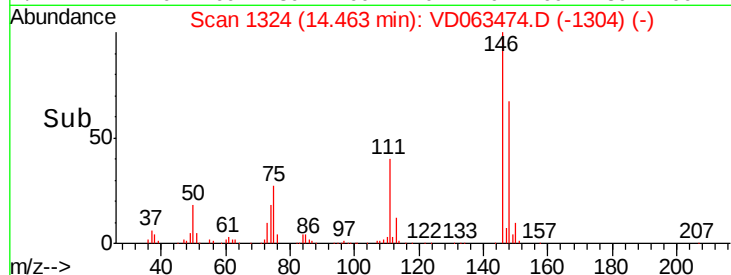
148 67.5 33.6 100.6



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

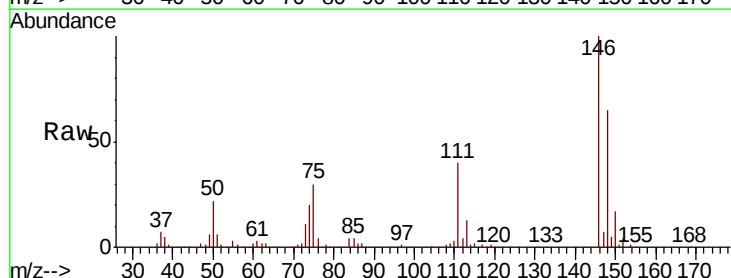
Tgt Ion:146 Resp: 1652953

Ion Ratio Lower Upper

146 100

111 40.4 19.7 59.0

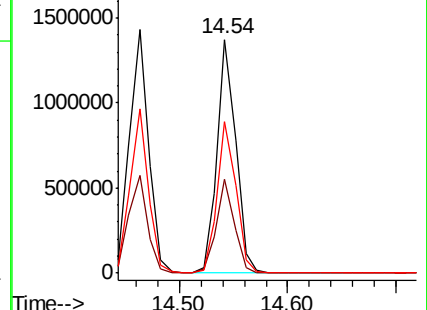
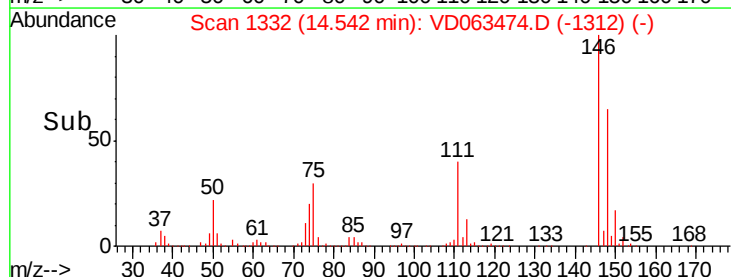
148 64.9 32.1 96.3

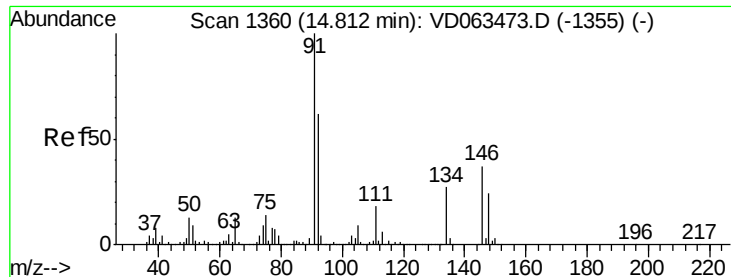


Abundance Ion 145.95 (145.65 to 146.65): V

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

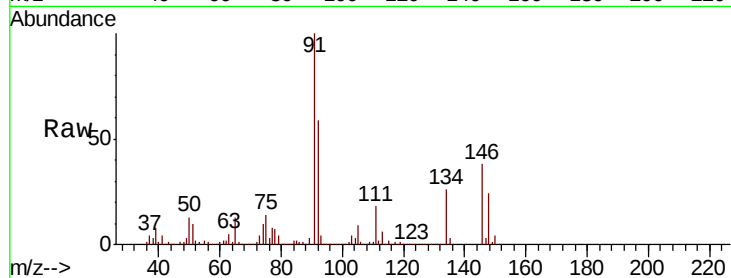
Tgt Ion: 91 Resp: 3057214

Ion Ratio Lower Upper

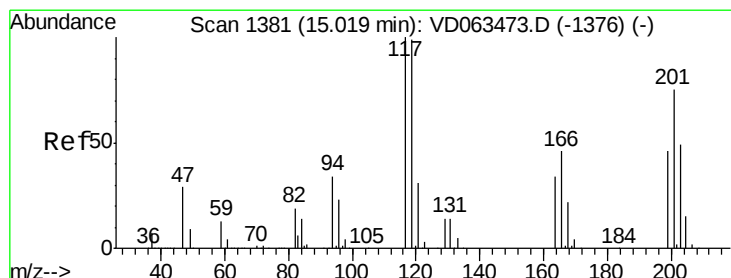
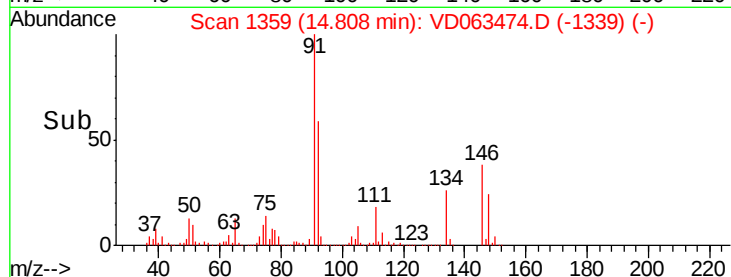
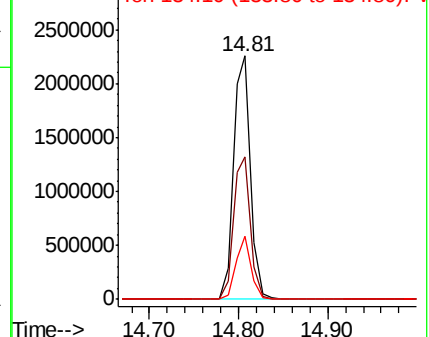
91 100

92 58.7 30.8 92.3

134 26.1 13.4 40.2



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 83.214 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. -0.00 min

Lab File: VD063474.D

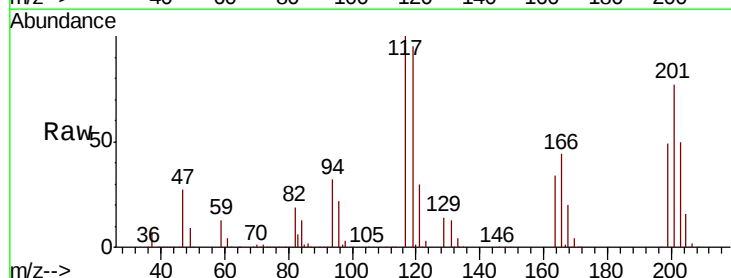
Acq: 9 Aug 2019 15:23

Tgt Ion: 117 Resp: 907962

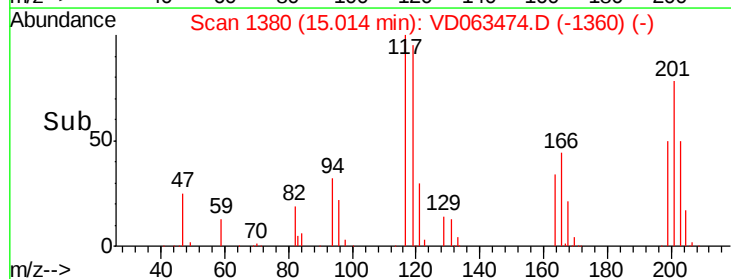
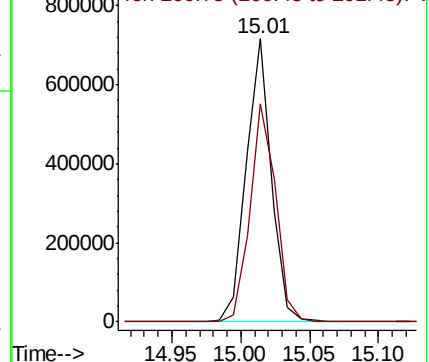
Ion Ratio Lower Upper

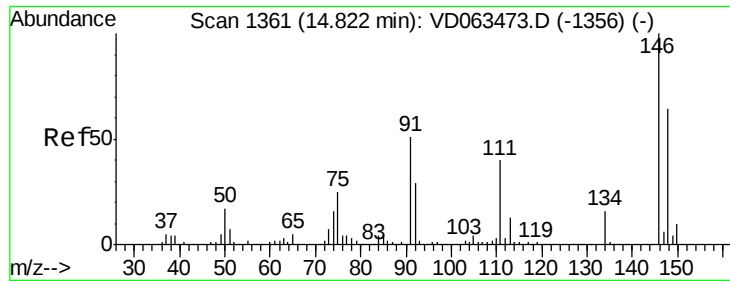
117 100

201 77.2 37.5 112.5



Abundance Ion 116.85 (116.55 to 117.55): VDC
Ion 200.75 (200.45 to 201.45): VDC

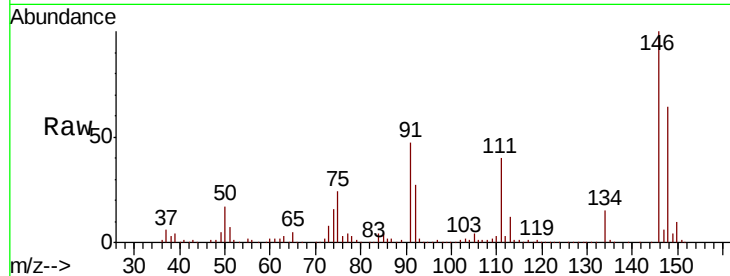




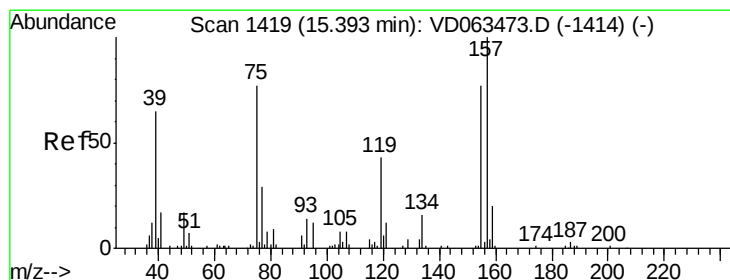
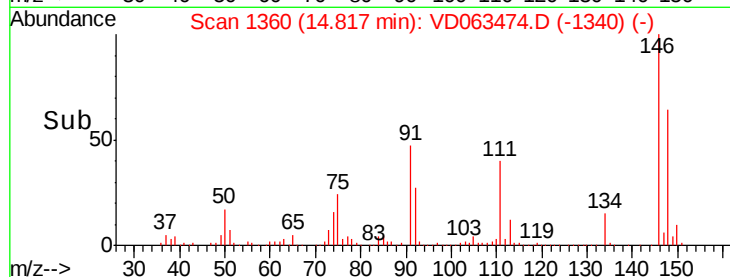
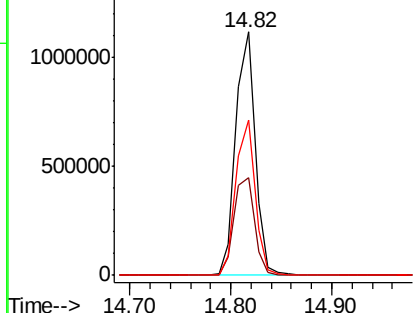
#91
 1,2-Dichlorobenzene
 Concen: 76.571 ug/l
 RT: 14.82 min Scan# 1360
 Delta R.T. -0.00 min
 Lab File: VD063474.D
 Acq: 9 Aug 2019 15:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

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

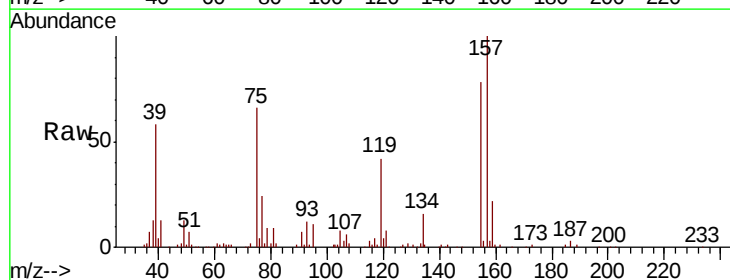


Abundance Ion 145.95 (145.65 to 146.65): V
 1500000 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

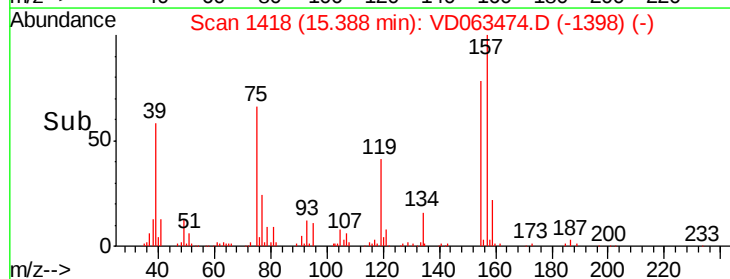
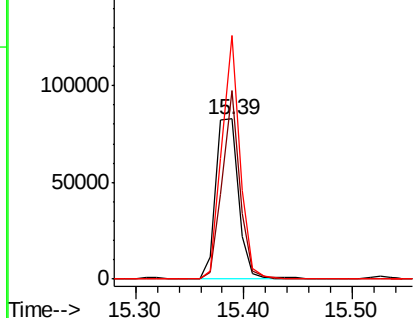


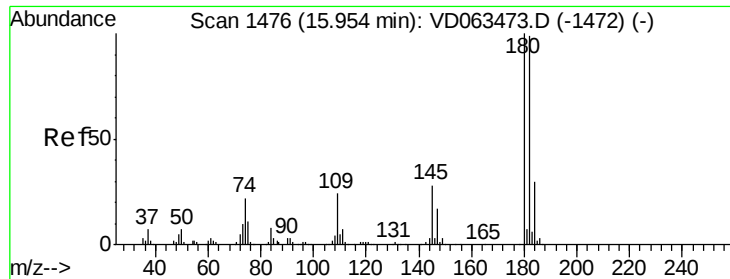
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 83.736 ug/l
 RT: 15.39 min Scan# 1418
 Delta R.T. -0.00 min
 Lab File: VD063474.D
 Acq: 9 Aug 2019 15:23

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): V
 150000 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V

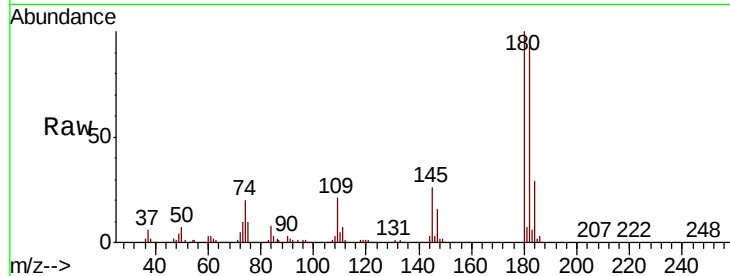




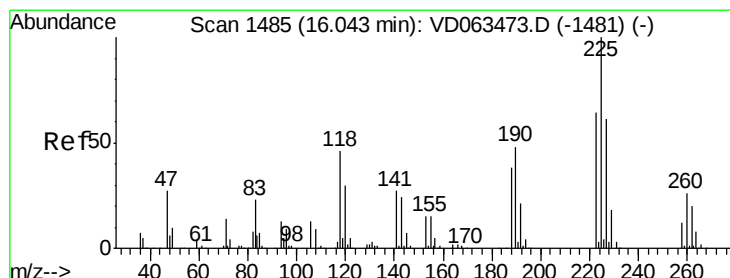
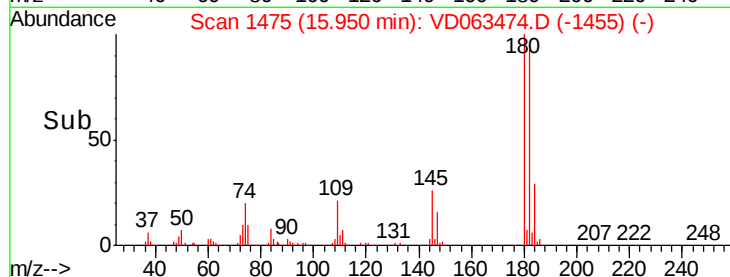
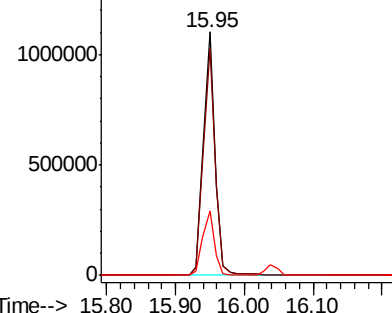
#93
 1,2,4-Trichlorobenzene
 Concen: 89.499 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD063474.D
 Acq: 9 Aug 2019 15:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

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

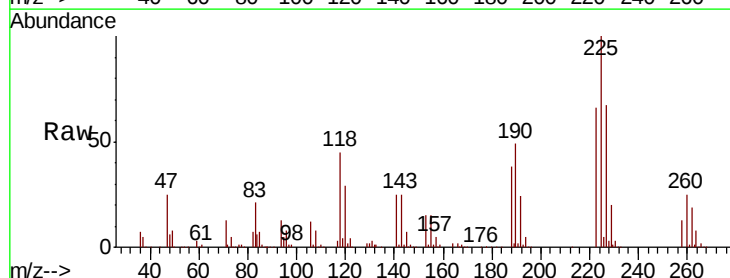


Abundance Ion 179.85 (179.55 to 180.55): V
 1500000 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

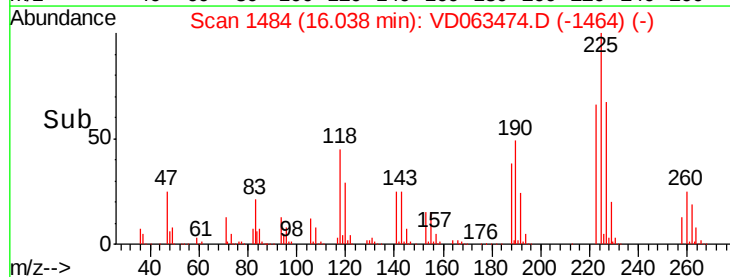
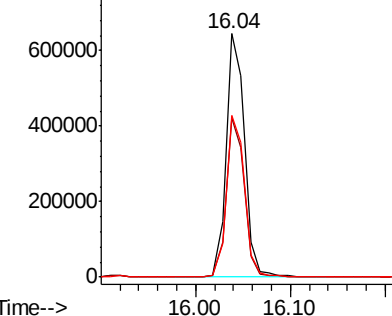


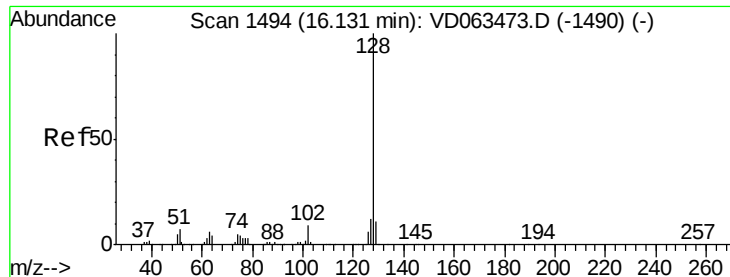
#94
 Hexachlorobutadiene
 Concen: 79.131 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VD063474.D
 Acq: 9 Aug 2019 15:23

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

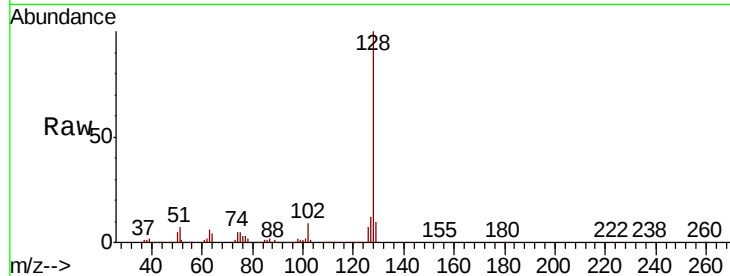




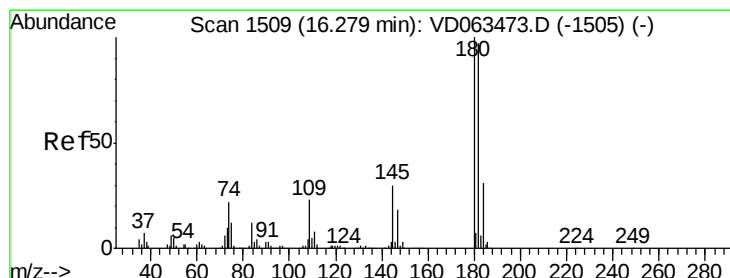
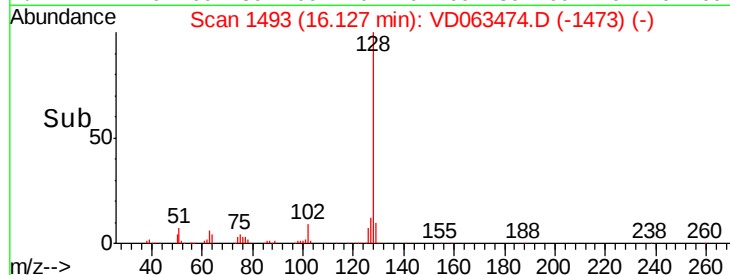
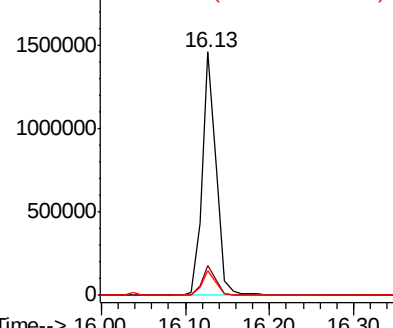
#95
Naphthalene
Concen: 76.750 ug/l
RT: 16.13 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VD063474.D
Acq: 9 Aug 2019 15:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

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

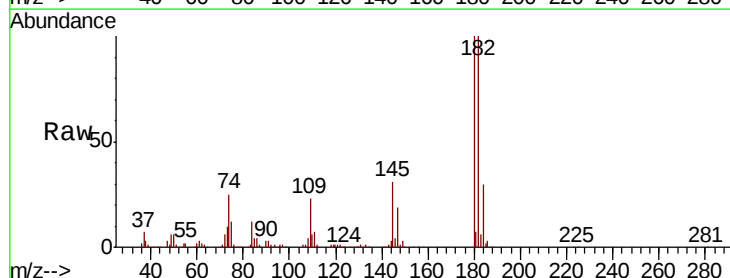


Abundance Ion 128.00 (127.70 to 128.70): V
2000000 Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#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

