

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD082019\
 Data File : VD063696.D
 Acq On : 20 Aug 2019 20:29
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Aug 21 03:52:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 10 06:42:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	863429	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	8.21	114	1223537	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.36	117	1044580	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	561313	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	504340	54.64	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	109.28%	
35) Dibromofluoromethane	6.91	113	532021	51.63	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	103.26%	
50) Toluene-d8	10.40	98	1161093	51.25	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	102.50%	
62) 4-Bromofluorobenzene	13.55	95	535666	52.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.34%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.56	85	453821	43.445	ug/l	98
3) Chloromethane	1.74	50	374874	45.932	ug/l	100
4) Vinyl Chloride	1.84	62	382718	47.237	ug/l	95
5) Bromomethane	2.13	94	183191	47.918	ug/l #	97
6) Chloroethane	2.25	64	177737	47.972	ug/l	93
7) Trichlorofluoromethane	2.52	101	757125	47.641	ug/l	100
8) Diethyl Ether	2.85	74	113425	50.550	ug/l	72
9) 1,1,2-Trichlorotrifluoroet	3.13	101	453185	48.294	ug/l	91
10) Methyl Iodide	3.29	142	555049	41.804	ug/l	99
11) Tert butyl alcohol	4.06	59	109262	271.949	ug/l	98
12) 1,1-Dichloroethene	3.11	96	306697	43.959	ug/l	95
13) Acrolein	3.02	56	82100	207.600	ug/l	94
14) Allyl chloride	3.60	41	518855	49.470	ug/l	98
15) Acrylonitrile	4.18	53	274039	257.506	ug/l	95
16) Acetone	3.21	43	433424	231.017	ug/l	96
17) Carbon Disulfide	3.35	76	891626	40.493	ug/l	100
18) Methyl Acetate	3.62	43	189939	53.448	ug/l #	90
19) Methyl tert-butyl Ether	4.22	73	733199	52.548	ug/l	95
20) Methylene Chloride	3.80	84	350850	43.247	ug/l #	89
21) trans-1,2-Dichloroethene	4.19	96	348002	47.400	ug/l	94
22) Diisopropyl ether	5.11	45	1074590	49.651	ug/l	97
23) Vinyl Acetate	5.04	43	3381143	268.726	ug/l #	96
24) 1,1-Dichloroethane	4.96	63	679150	50.594	ug/l	99
25) 2-Butanone	6.06	43	456570	246.401	ug/l #	90
26) 2,2-Dichloropropane	6.00	77	651681	48.741	ug/l	99
27) cis-1,2-Dichloroethene	6.01	96	407828	50.771	ug/l	92
28) Bromochloromethane	6.42	49	286531	52.667	ug/l	93
29) Tetrahydrofuran	6.45	42	217310	251.682	ug/l	97
30) Chloroform	6.64	83	863525	51.754	ug/l	92
31) Cyclohexane	6.94	56	384916	46.189	ug/l	97
32) 1,1,1-Trichloroethane	6.86	97	836785	52.428	ug/l	97
36) 1,1-Dichloropropene	7.13	75	538870	49.820	ug/l	95
37) Ethyl Acetate	6.16	43	235312	51.918	ug/l #	92
38) Carbon Tetrachloride	7.09	117	899024	55.150	ug/l	97

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	421164	45.791	ug/l	98
40) Benzene	7.44	78	1184165	49.749	ug/l	100
41) Methacrylonitrile	6.45	41	291955	51.160	ug/l #	93
42) 1,2-Dichloroethane	7.57	62	608637	50.852	ug/l	99
43) Isopropyl Acetate	9.23	43	336995	55.515	ug/l #	98
44) Trichloroethene	8.53	130	448762	49.325	ug/l	94
45) 1,2-Dichloropropane	8.93	63	275438	49.690	ug/l	92
46) Dibromomethane	9.05	93	259068	54.728	ug/l	95
47) Bromodichloromethane	9.36	83	647421	53.319	ug/l	99
48) Methyl methacrylate	9.11	41	211303	51.328	ug/l	99
49) 1,4-Dioxane	9.07	88	37403	1017.007	ug/l #	78
51) 4-Methyl-2-Pentanone	10.29	43	1105104	266.050	ug/l	98
52) Toluene	10.50	92	769824	50.212	ug/l	96
53) t-1,3-Dichloropropene	10.90	75	503819	50.842	ug/l	97
54) cis-1,3-Dichloropropene	10.03	75	578976	51.816	ug/l	95
55) 1,1,2-Trichloroethane	11.18	97	270338	52.200	ug/l	96
56) Ethyl methacrylate	11.03	69	307697	54.740	ug/l	96
57) 1,3-Dichloropropane	11.40	76	438415	56.004	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.85	63	871665	293.730	ug/l	97
59) 2-Hexanone	11.52	43	836005	276.605	ug/l	95
60) Dibromochloromethane	11.68	129	501638	53.231	ug/l	97
61) 1,2-Dibromoethane	11.80	107	324462	51.753	ug/l	98
64) Tetrachloroethene	11.25	164	403530	50.042	ug/l	96
65) Chlorobenzene	12.39	112	1003960	51.280	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	450216	52.252	ug/l	95
67) Ethyl Benzene	12.52	91	1689651	49.635	ug/l	99
68) m/p-Xylenes	12.67	106	1237011	103.431	ug/l	99
69) o-Xylene	13.04	106	569357	49.463	ug/l	96
70) Styrene	13.07	104	1042665	50.923	ug/l	95
71) Bromoform	13.23	173	311329	52.696	ug/l	96
73) Isopropylbenzene	13.40	105	1682964	47.138	ug/l	98
74) N-amyl acetate	13.26	43	469722	52.410	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.69	83	333854	56.337	ug/l	97
76) 1,2,3-Trichloropropane	13.73	75	348429	54.087	ug/l	95
77) Bromobenzene	13.66	156	501873	51.434	ug/l	94
78) n-propylbenzene	13.77	91	2061809	49.357	ug/l	97
79) 2-Chlorotoluene	13.84	91	1093800	45.413	ug/l	93
80) 1,3,5-Trimethylbenzene	13.93	105	1649016	52.862	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.46	75	81052	46.812	ug/l	97
82) 4-Chlorotoluene	13.94	91	1538167	53.108	ug/l	95
83) tert-Butylbenzene	14.18	119	1622496	49.392	ug/l	95
84) 1,2,4-Trimethylbenzene	14.23	105	1560828	54.076	ug/l	93
85) sec-Butylbenzene	14.36	105	1744384	50.004	ug/l	99
86) p-Isopropyltoluene	14.49	119	1634610	49.006	ug/l	97
87) 1,3-Dichlorobenzene	14.45	146	809958	45.891	ug/l	98
88) 1,4-Dichlorobenzene	14.53	146	813945	48.067	ug/l	97
89) n-Butylbenzene	14.79	91	1456484	47.843	ug/l	95
90) Hexachloroethane	15.00	117	428140	51.068	ug/l	87
91) 1,2-Dichlorobenzene	14.80	146	747203	49.898	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.37	75	58484	52.413	ug/l	85

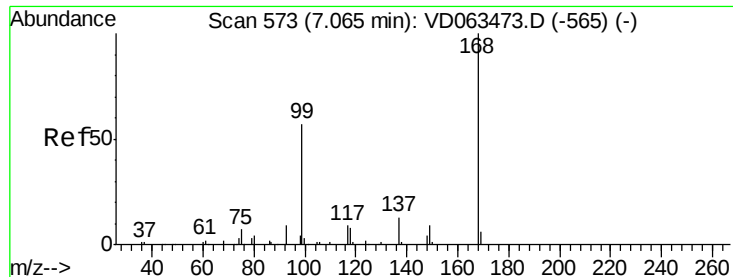
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD082019\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	578728	52.523	ug/l	96
94) Hexachlorobutadiene	16.03	225	414735	49.387	ug/l	98
95) Naphthalene	16.12	128	826946	49.521	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	475679	53.449	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.04 min

Lab File: VD063696.D

Acq: 20 Aug 2019 20:29

Instrument :

MSVOA_D

ClientSampleId :

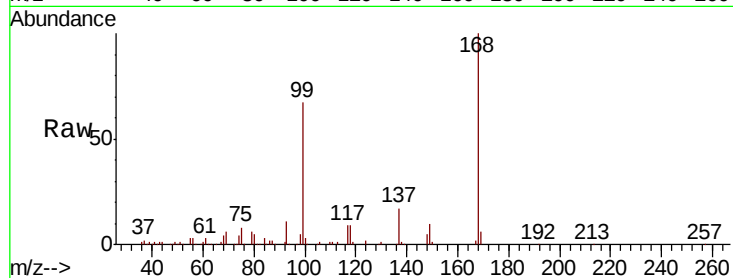
VSTDCCC050EC

Tgt Ion:168 Resp: 863429

Ion Ratio Lower Upper

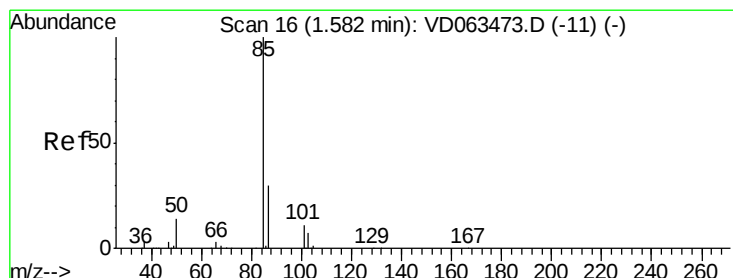
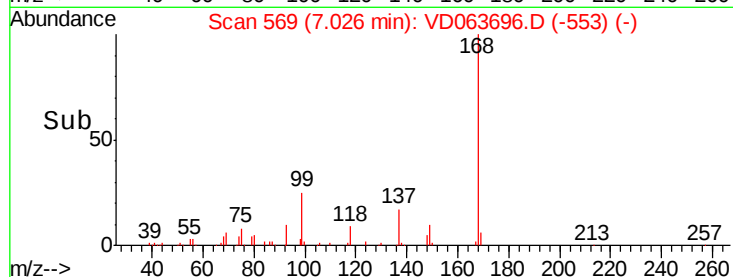
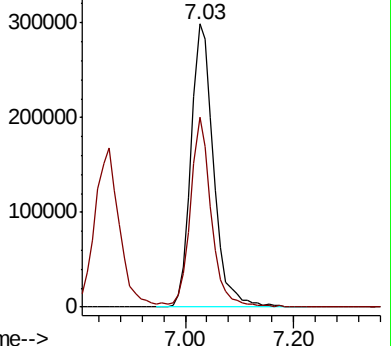
168 100

99 66.9 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: 43.445 ug/l

RT: 1.56 min Scan# 14

Delta R.T. -0.02 min

Lab File: VD063696.D

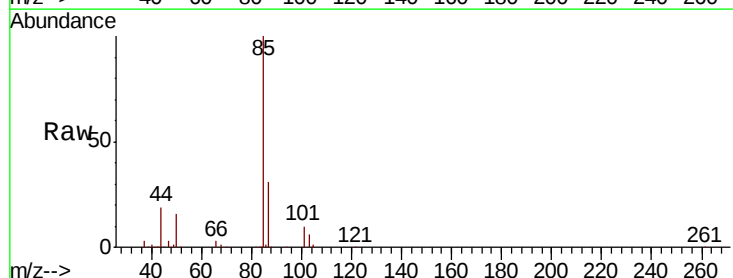
Acq: 20 Aug 2019 20:29

Tgt Ion: 85 Resp: 453821

Ion Ratio Lower Upper

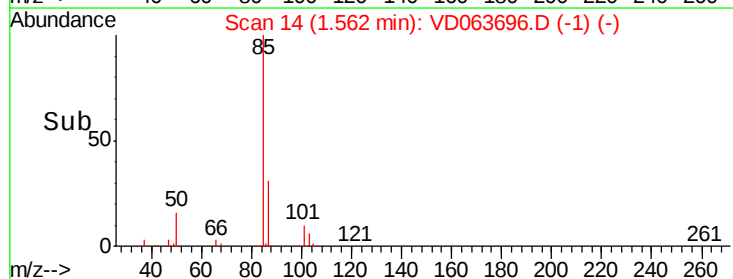
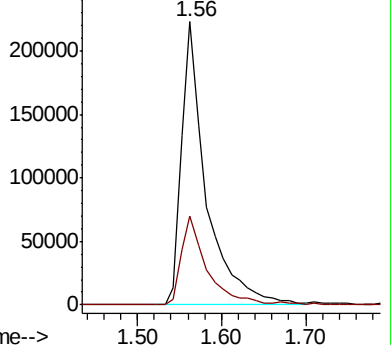
85 100

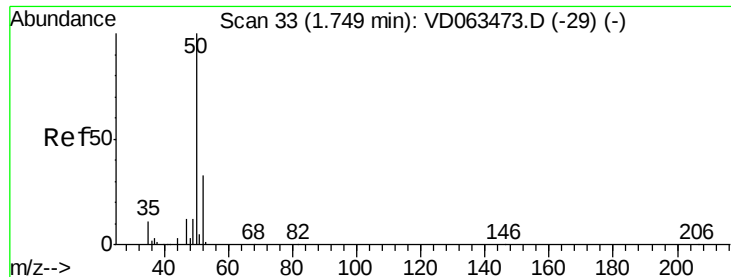
87 31.4 15.0 45.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 45.932 ug/l

RT: 1.74 min Scan# 32

Delta R.T. -0.01 min

Lab File: VD063696.D

Acq: 20 Aug 2019 20:29

Instrument :

MSVOA_D

ClientSampleId :

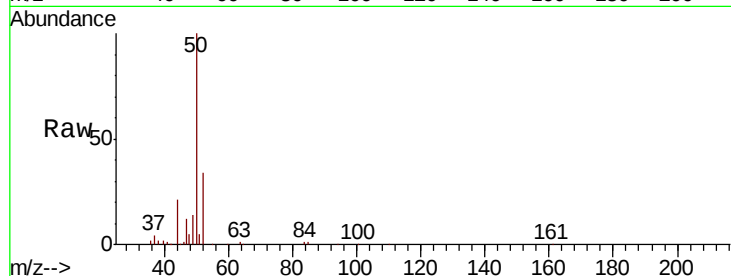
VSTDCCC050EC

Tgt Ion: 50 Resp: 374874

Ion Ratio Lower Upper

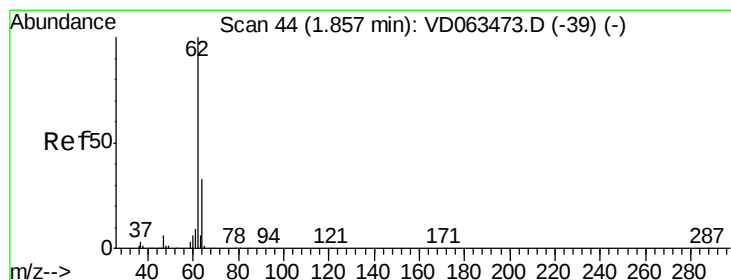
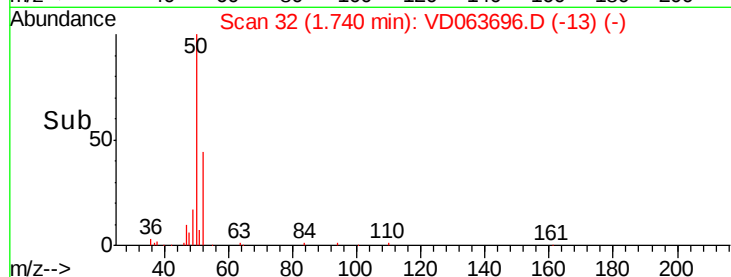
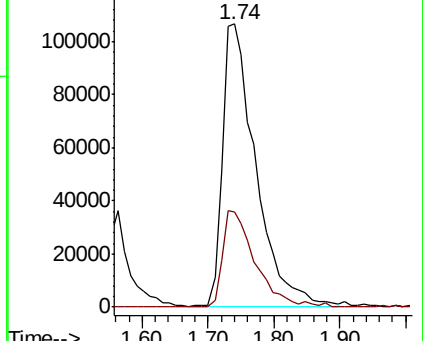
50 100

52 33.5 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: 47.237 ug/l

RT: 1.84 min Scan# 42

Delta R.T. -0.02 min

Lab File: VD063696.D

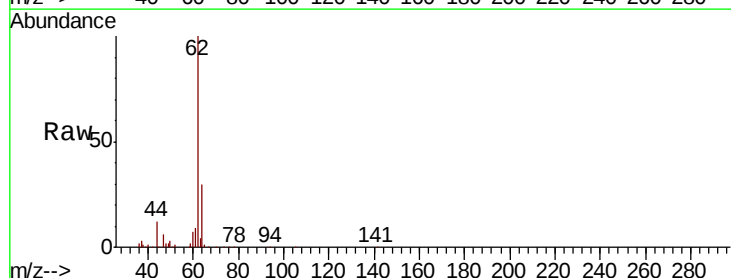
Acq: 20 Aug 2019 20:29

Tgt Ion: 62 Resp: 382718

Ion Ratio Lower Upper

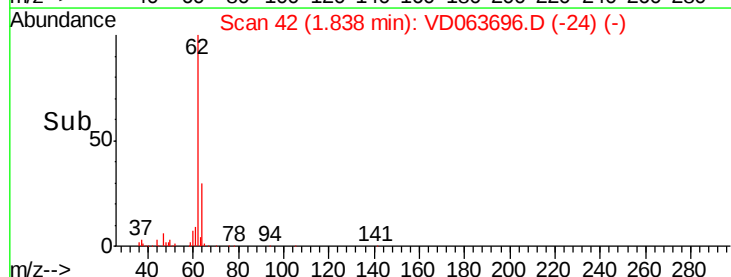
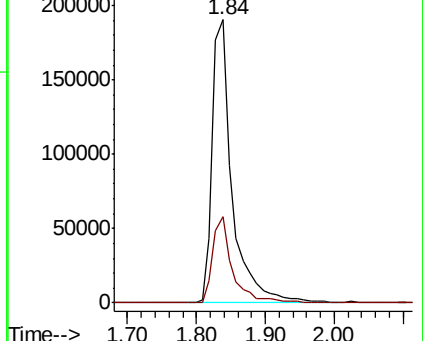
62 100

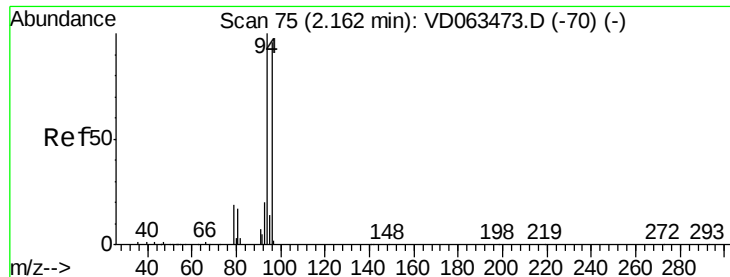
64 30.3 26.4 39.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 47.918 ug/l

RT: 2.13 min Scan# 72

Delta R.T. -0.03 min

Lab File: VD063696.D

Acq: 20 Aug 2019 20:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

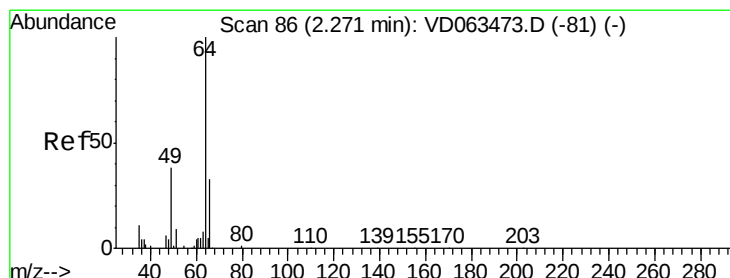
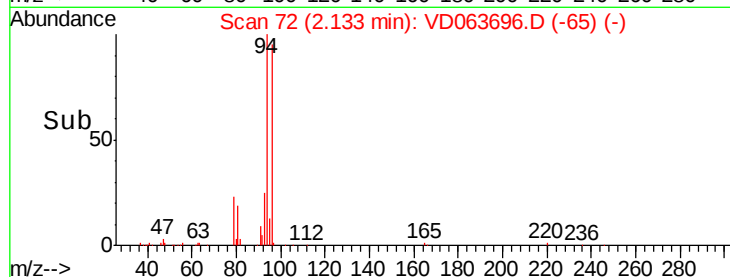
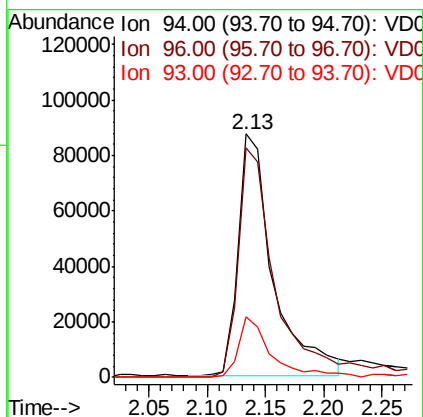
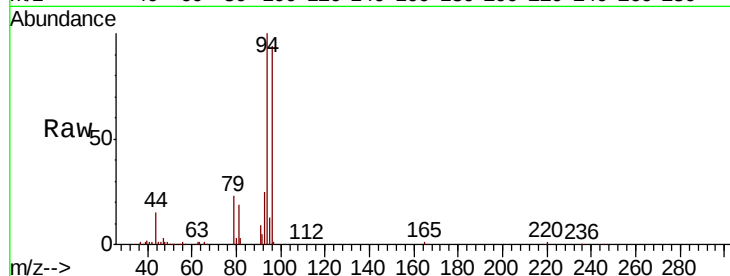
Tgt Ion: 94 Resp: 183191

Ion Ratio Lower Upper

94 100

96 94.4 76.5 114.7

93 25.0 15.8 23.8#



#6

Chloroethane

Concen: 47.972 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.02 min

Lab File: VD063696.D

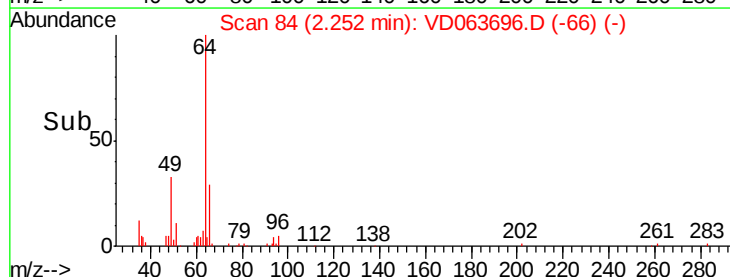
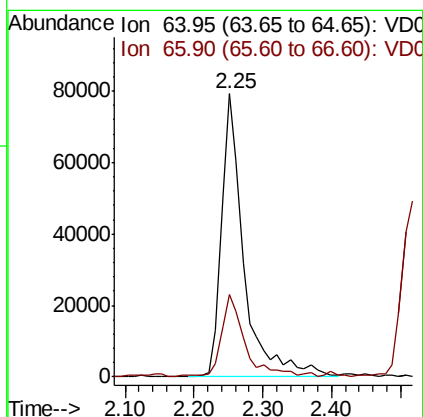
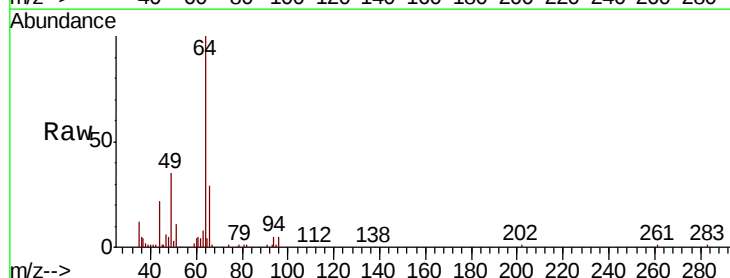
Acq: 20 Aug 2019 20:29

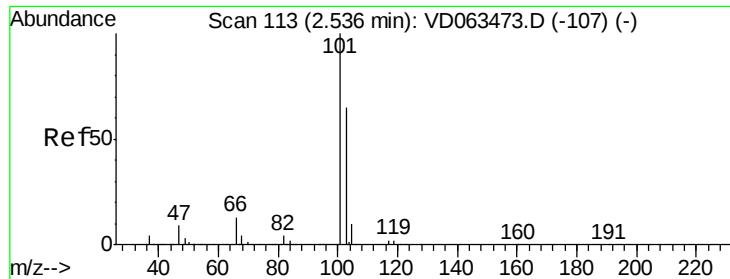
Tgt Ion: 64 Resp: 177737

Ion Ratio Lower Upper

64 100

66 29.0 26.3 39.5



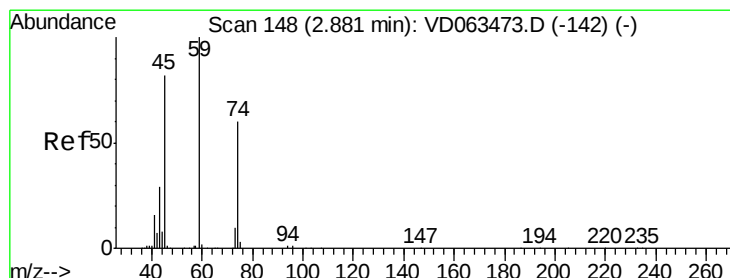
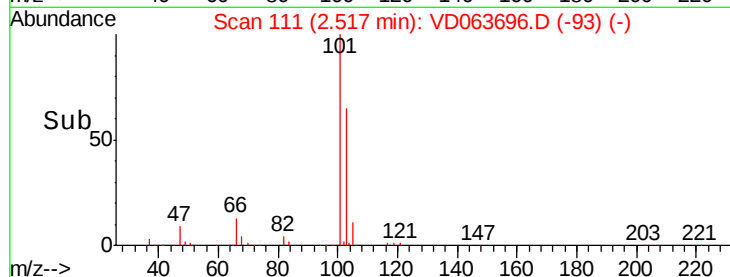
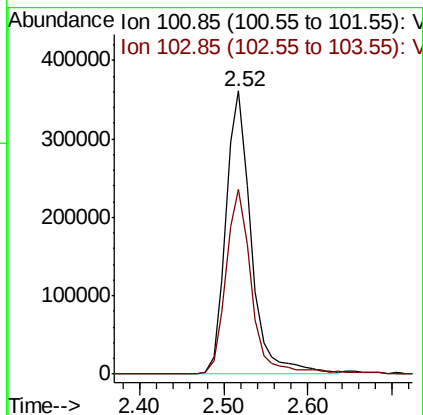
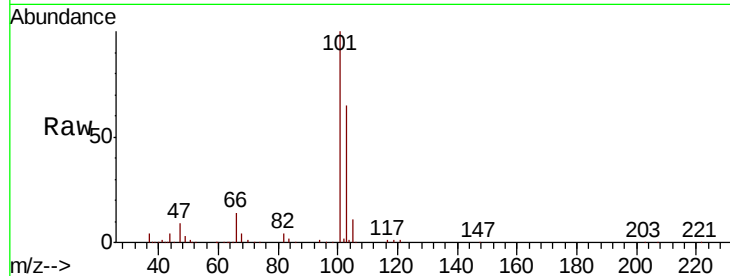


#7

Trichlorofluoromethane
 Concen: 47.641 ug/l
 RT: 2.52 min Scan# 111
 Delta R.T. -0.02 min
 Lab File: VD063696.D
 Acq: 20 Aug 2019 20:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

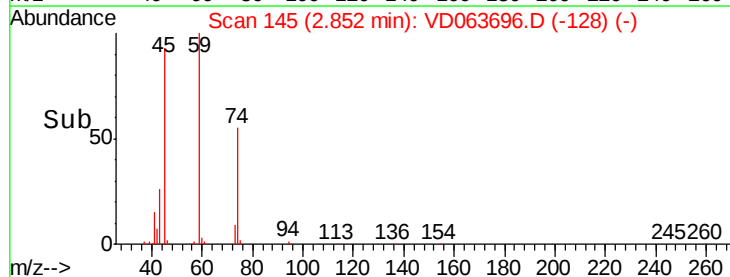
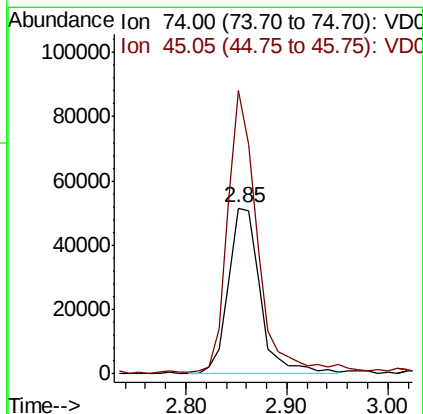
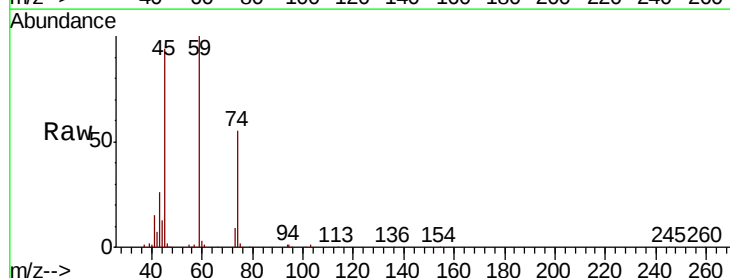
Tgt Ion: 101 Resp: 757125
 Ion Ratio Lower Upper
 101 100
 103 65.4 52.2 78.4



#8

Diethyl Ether
 Concen: 50.550 ug/l
 RT: 2.85 min Scan# 145
 Delta R.T. -0.03 min
 Lab File: VD063696.D
 Acq: 20 Aug 2019 20:29

Tgt Ion: 74 Resp: 113425
 Ion Ratio Lower Upper
 74 100
 45 170.8 68.5 205.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.294 ug/l

RT: 3.13 min Scan# 173

Delta R.T. -0.03 min

Lab File: VD063696.D

Acq: 20 Aug 2019 20:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

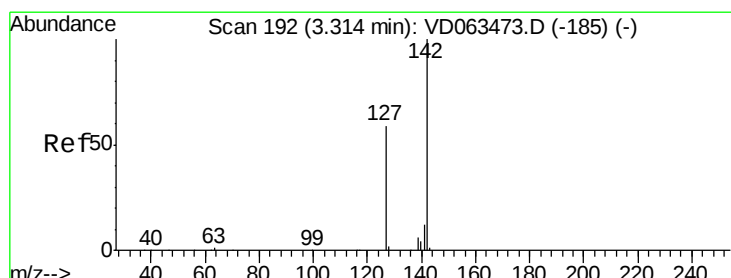
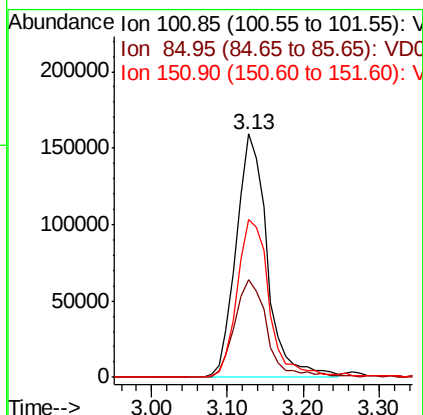
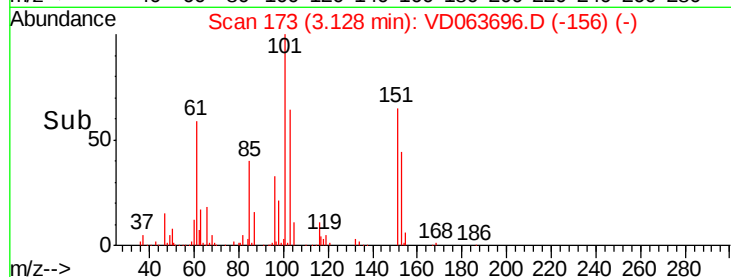
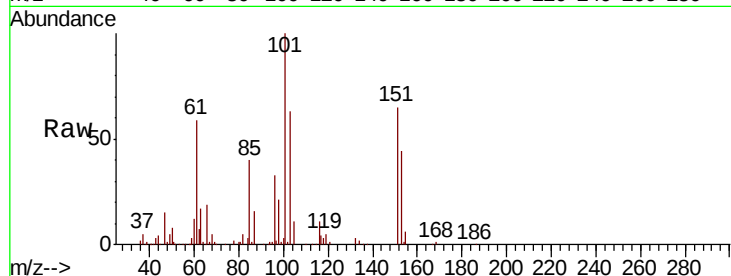
Tgt Ion:101 Resp: 453185

Ion Ratio Lower Upper

101 100

85 40.4 35.8 53.6

151 65.0 58.6 88.0



#10

Methyl Iodide

Concen: 41.804 ug/l

RT: 3.29 min Scan# 189

Delta R.T. -0.03 min

Lab File: VD063696.D

Acq: 20 Aug 2019 20:29

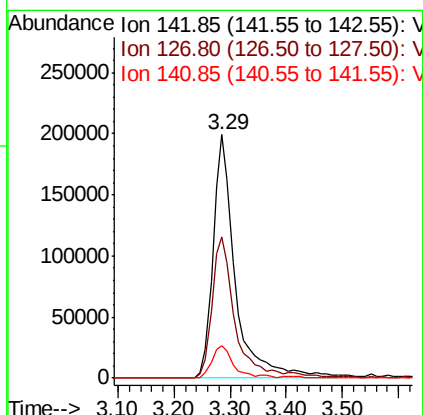
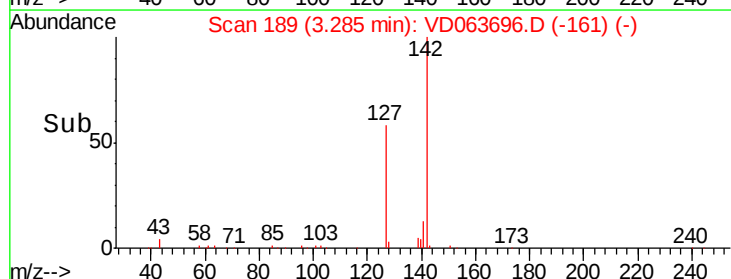
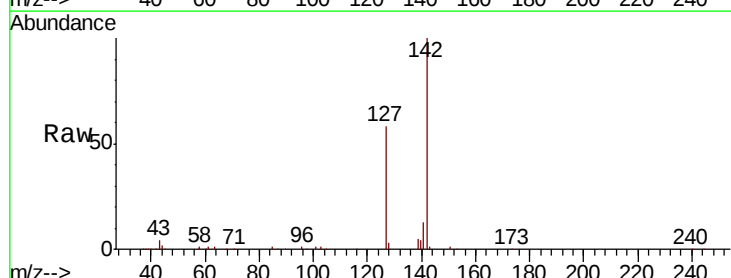
Tgt Ion:142 Resp: 555049

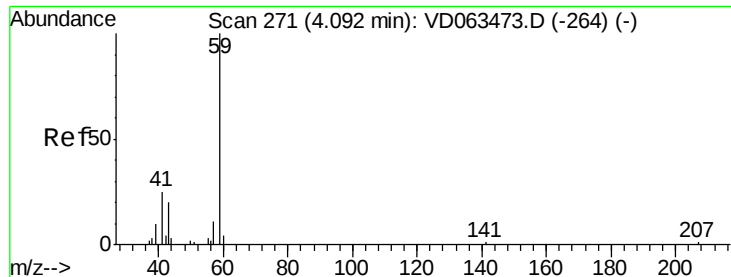
Ion Ratio Lower Upper

142 100

127 58.0 47.2 70.8

141 13.2 9.8 14.8

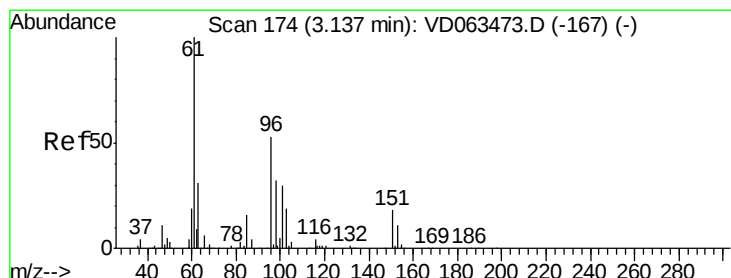
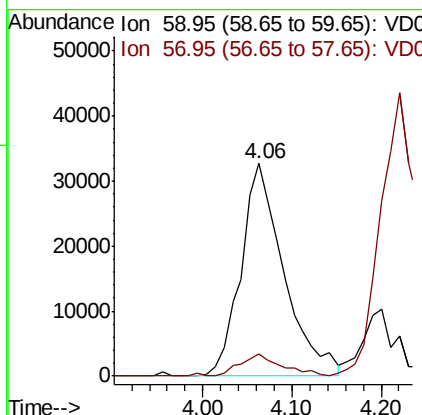
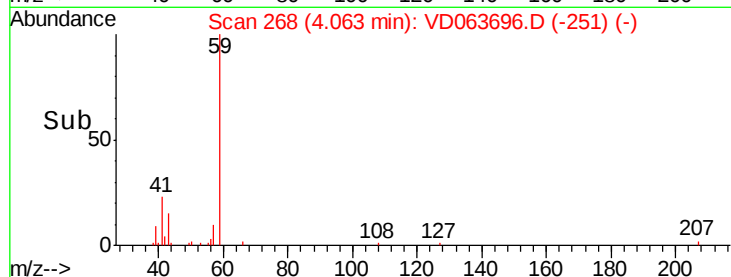
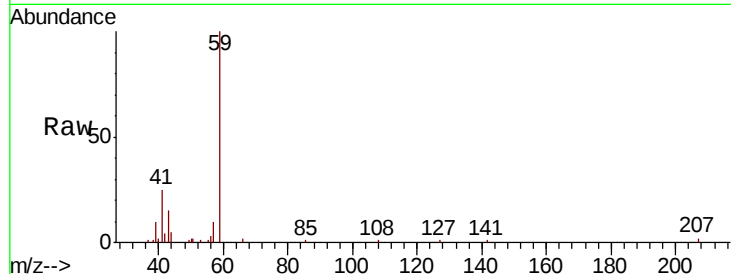




#11
Tert butyl alcohol
Concen: 271.949 ug/l
RT: 4.06 min Scan# 268
Delta R.T. -0.03 min
Lab File: VD063696.D
Acq: 20 Aug 2019 20:29

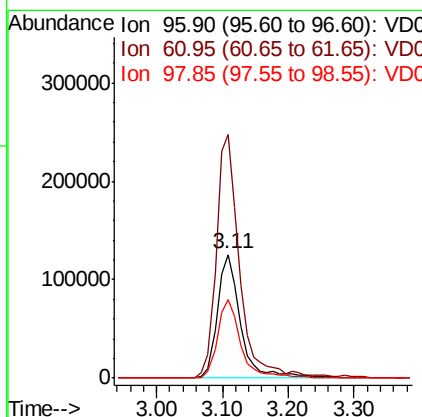
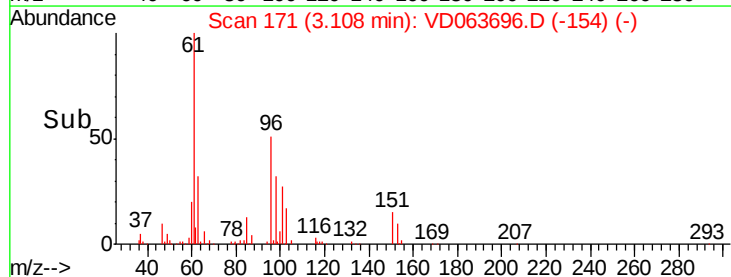
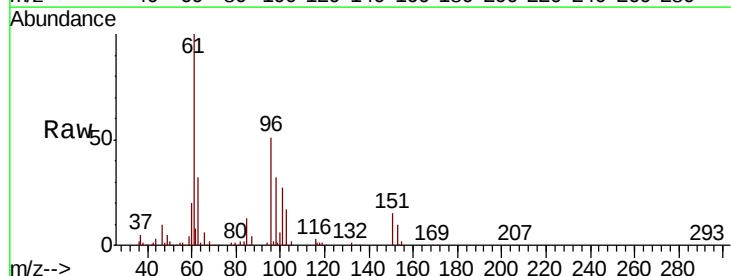
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

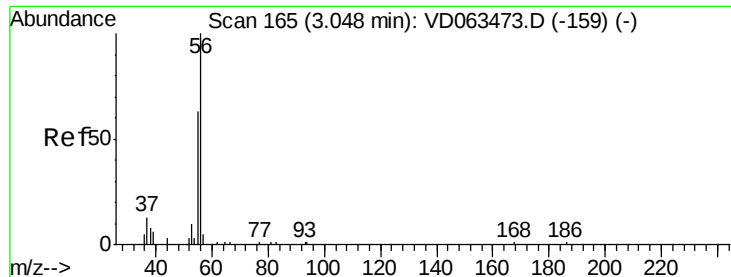
Tgt Ion: 59 Resp: 109262
Ion Ratio Lower Upper
59 100
57 10.3 8.7 13.1



#12
1,1-Dichloroethene
Concen: 43.959 ug/l
RT: 3.11 min Scan# 171
Delta R.T. -0.03 min
Lab File: VD063696.D
Acq: 20 Aug 2019 20:29

Tgt Ion: 96 Resp: 306697
Ion Ratio Lower Upper
96 100
61 197.4 151.7 227.5
98 64.1 48.4 72.6

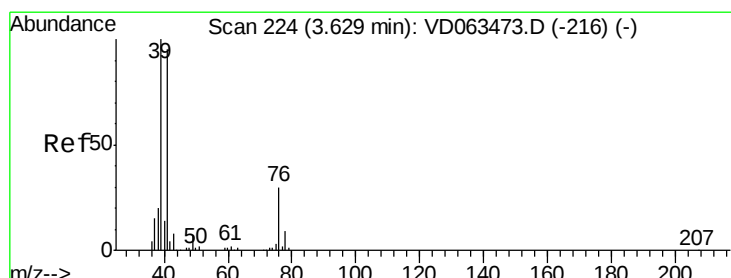
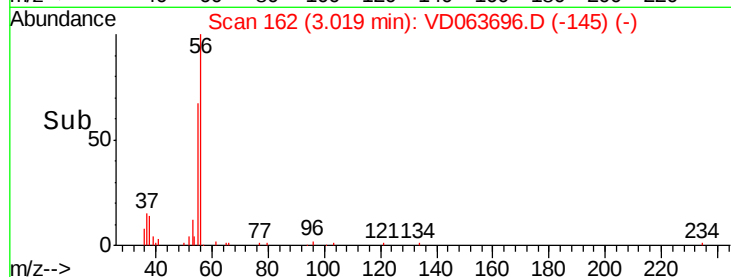
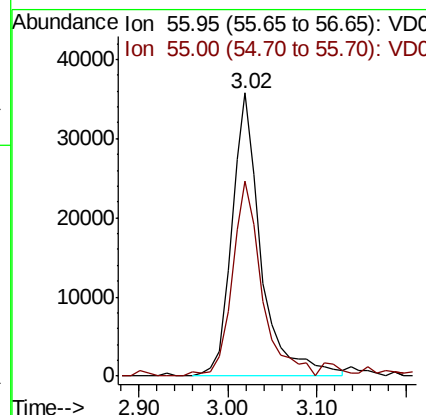
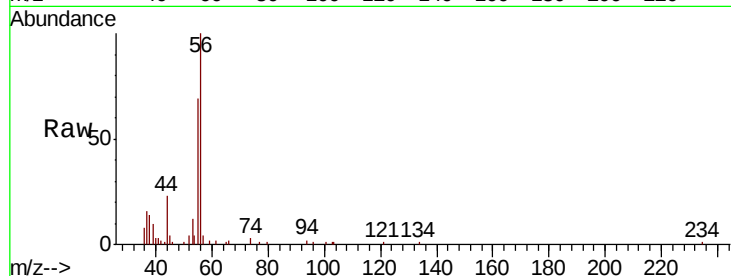




#13
Acrolein
Concen: 207.600 ug/l
RT: 3.02 min Scan# 162
Delta R.T. -0.03 min
Lab File: VD063696.D
Acq: 20 Aug 2019 20:29

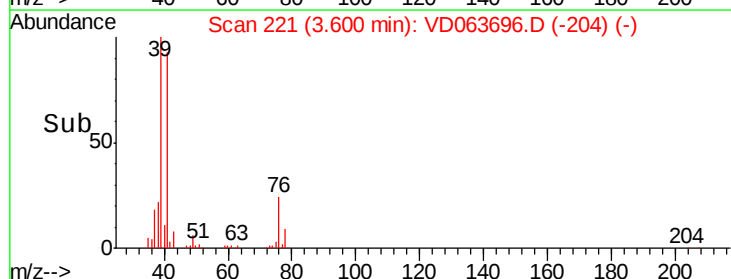
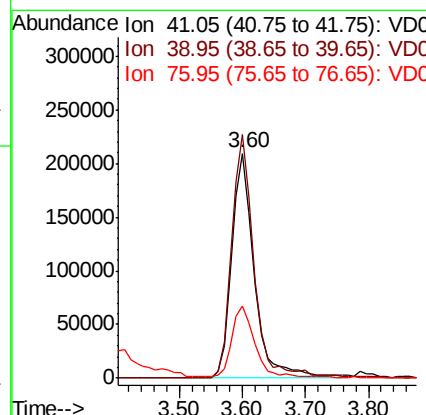
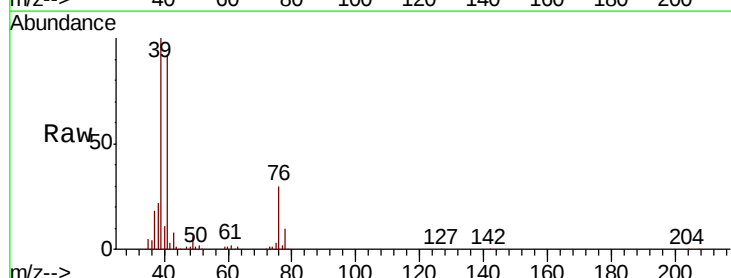
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

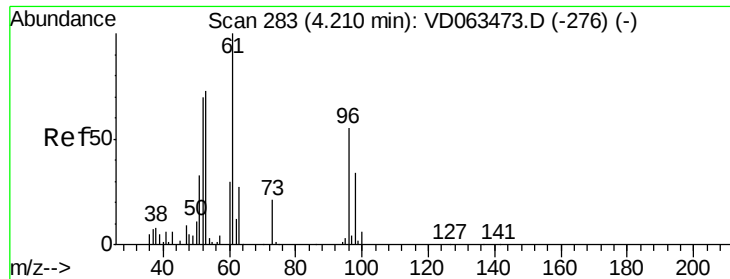
Tgt Ion: 56 Resp: 82100
Ion Ratio Lower Upper
56 100
55 68.8 51.3 76.9



#14
Allyl chloride
Concen: 49.470 ug/l
RT: 3.60 min Scan# 221
Delta R.T. -0.03 min
Lab File: VD063696.D
Acq: 20 Aug 2019 20:29

Tgt Ion: 41 Resp: 518855
Ion Ratio Lower Upper
41 100
39 108.3 84.2 126.4
76 32.2 26.0 39.0





#15

Acrylonitrile

Concen: 257.506 ug/l

RT: 4.18 min Scan# 280

Delta R.T. -0.03 min

Lab File: VD063696.D

Acq: 20 Aug 2019 20:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

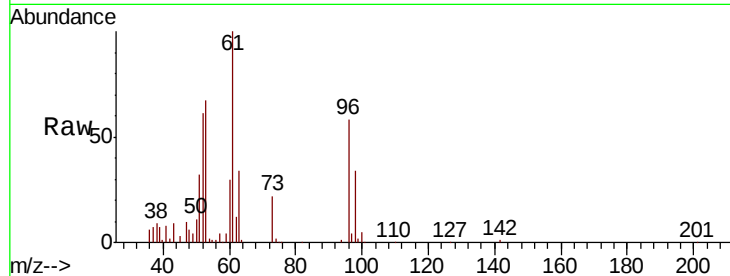
Tgt Ion: 53 Resp: 274039

Ion Ratio Lower Upper

53 100

52 91.1 77.4 116.0

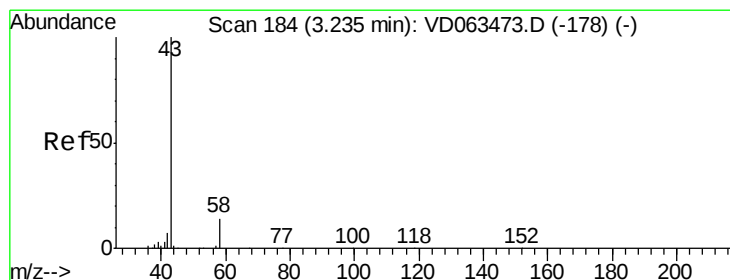
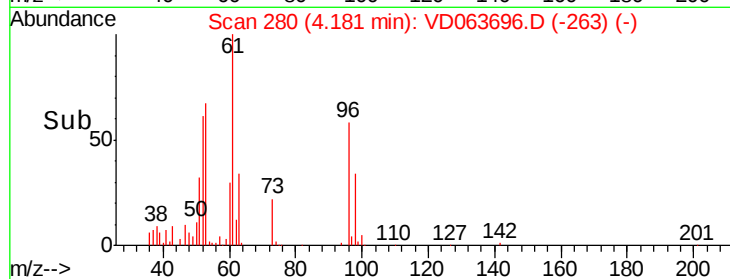
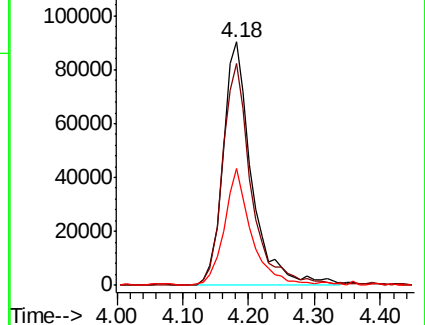
51 47.8 36.7 55.1



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: 231.017 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.03 min

Lab File: VD063696.D

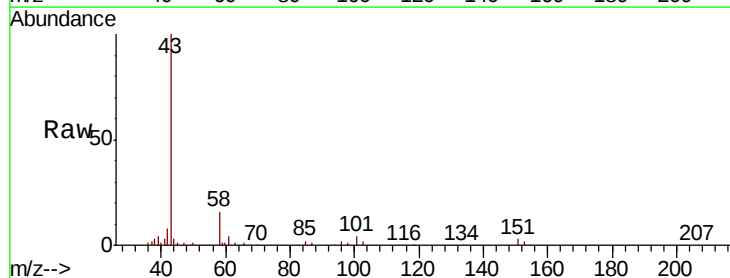
Acq: 20 Aug 2019 20:29

Tgt Ion: 43 Resp: 433424

Ion Ratio Lower Upper

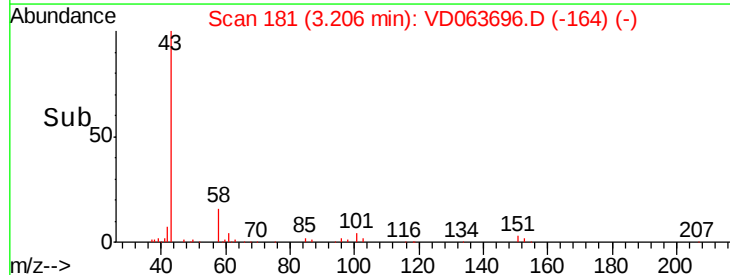
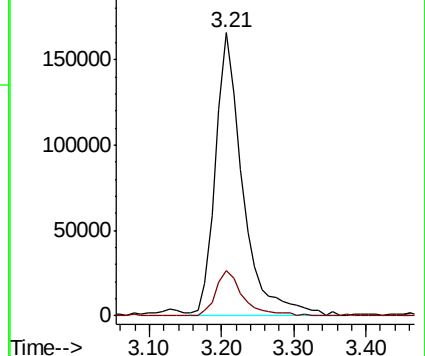
43 100

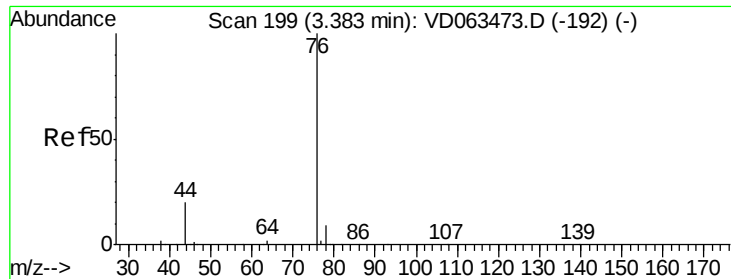
58 16.0 11.4 17.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

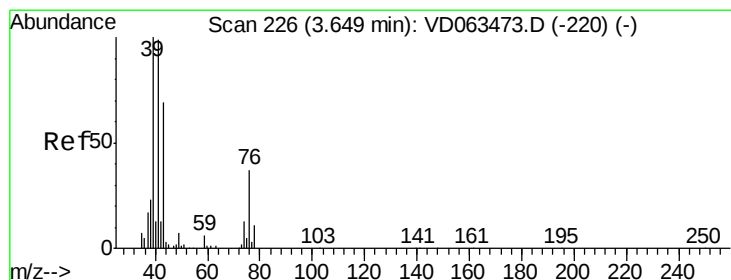
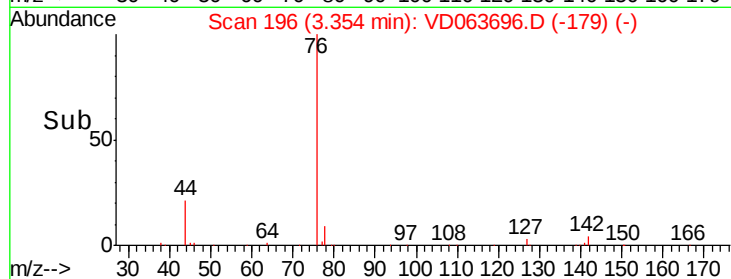
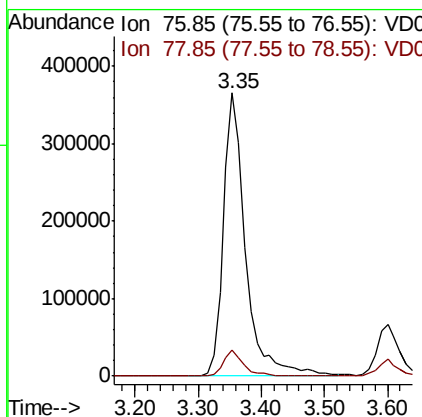
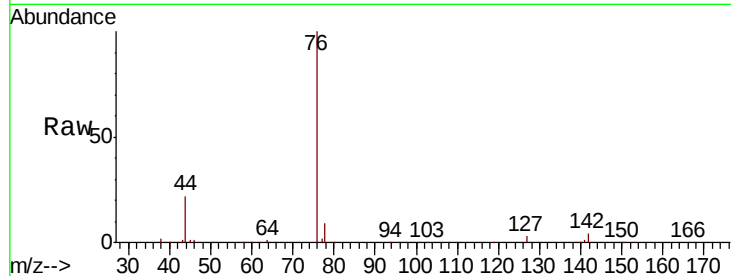




#17
Carbon Disulfide
Concen: 40.493 ug/l
RT: 3.35 min Scan# 196
Delta R.T. -0.03 min
Lab File: VD063696.D
Acq: 20 Aug 2019 20:29

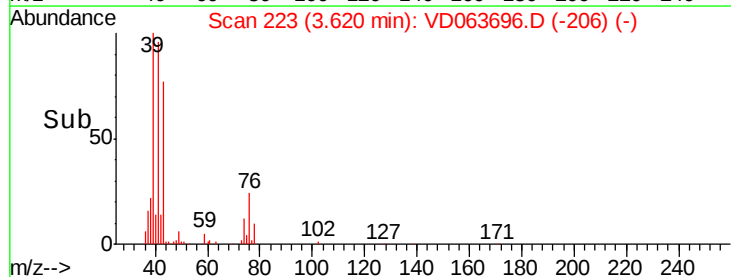
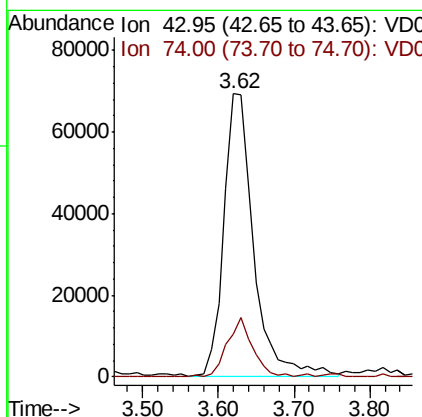
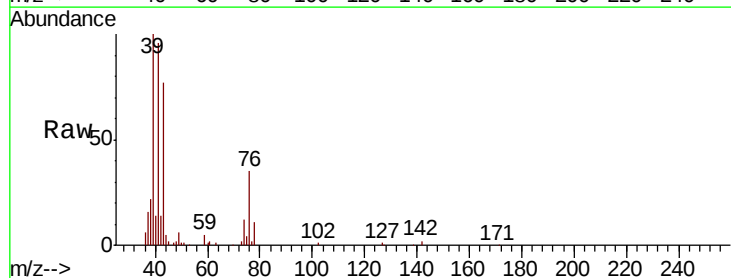
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

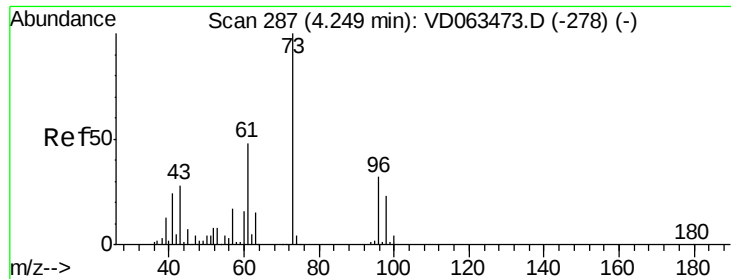
Tgt Ion: 76 Resp: 891626
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.0



#18
Methyl Acetate
Concen: 53.448 ug/l
RT: 3.62 min Scan# 223
Delta R.T. -0.03 min
Lab File: VD063696.D
Acq: 20 Aug 2019 20:29

Tgt Ion: 43 Resp: 189939
Ion Ratio Lower Upper
43 100
74 14.9 15.4 23.2#

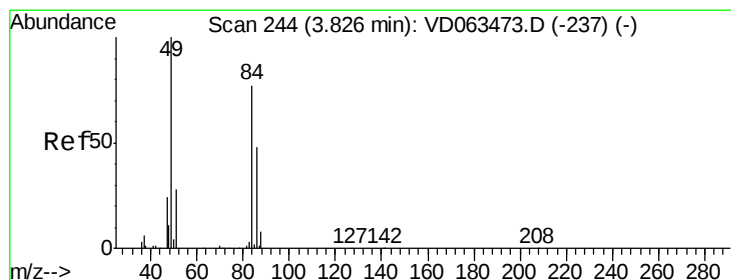
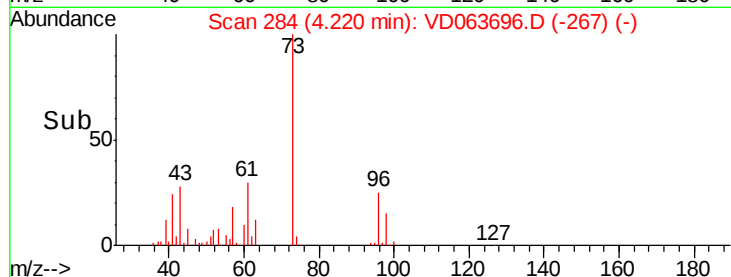
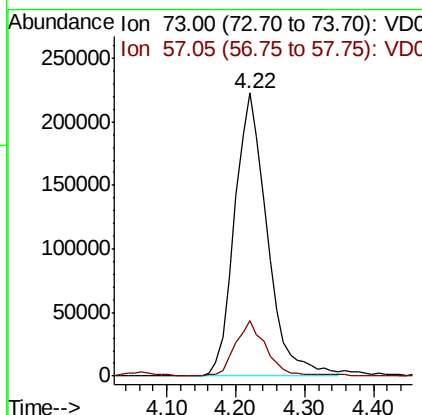
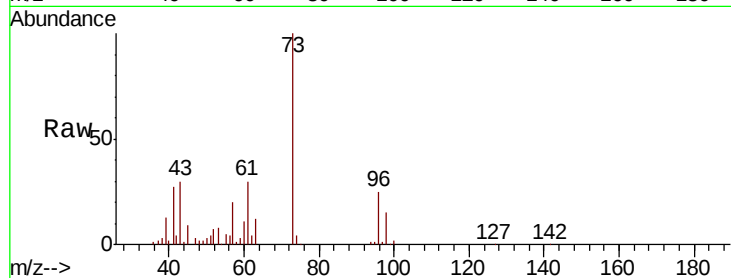




#19
Methyl tert-butyl Ether
Concen: 52.548 ug/l
RT: 4.22 min Scan# 284
Delta R.T. -0.03 min
Lab File: VD063696.D
Acq: 20 Aug 2019 20:29

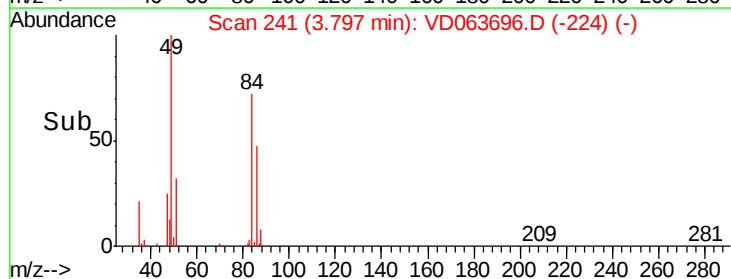
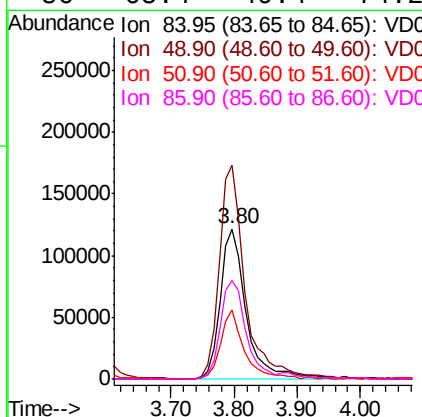
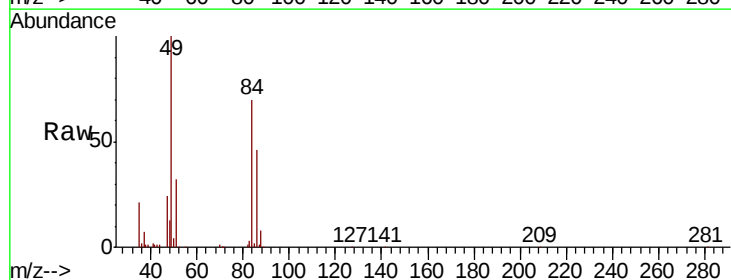
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

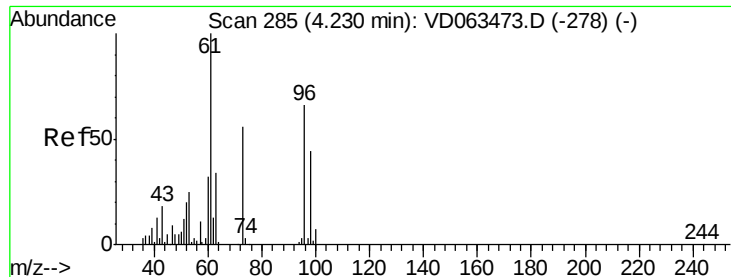
Tgt Ion: 73 Resp: 733199
Ion Ratio Lower Upper
73 100
57 19.6 14.0 21.0



#20
Methylene Chloride
Concen: 43.247 ug/l
RT: 3.80 min Scan# 241
Delta R.T. -0.03 min
Lab File: VD063696.D
Acq: 20 Aug 2019 20:29

Tgt Ion: 84 Resp: 350850
Ion Ratio Lower Upper
84 100
49 142.4 103.4 155.2
51 46.0 28.5 42.7#
86 65.4 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 47.400 ug/l

RT: 4.19 min Scan# 281

Delta R.T. -0.04 min

Lab File: VD063696.D

Acq: 20 Aug 2019 20:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

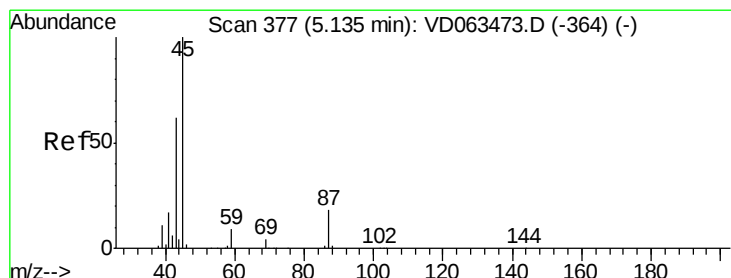
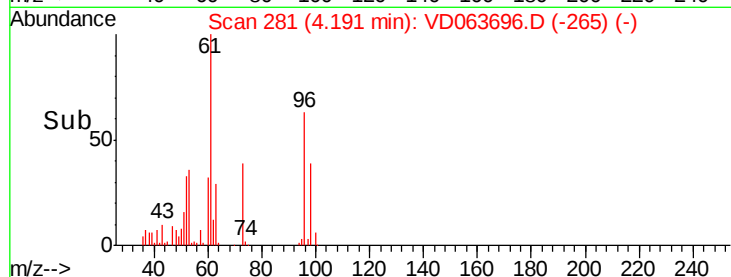
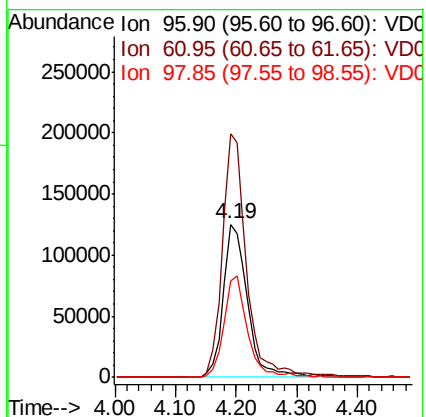
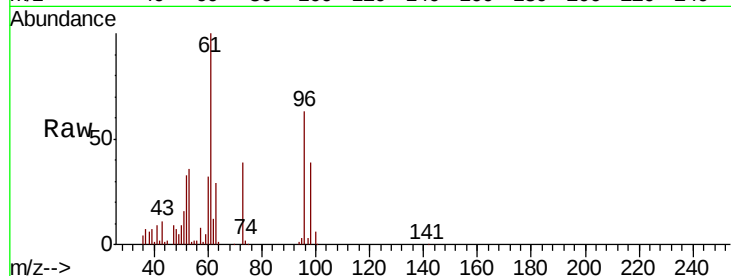
Tgt Ion: 96 Resp: 348002

Ion Ratio Lower Upper

96 100

61 159.0 121.7 182.5

98 62.6 54.2 81.2



#22

Diisopropyl ether

Concen: 49.651 ug/l

RT: 5.11 min Scan# 374

Delta R.T. -0.03 min

Lab File: VD063696.D

Acq: 20 Aug 2019 20:29

Tgt Ion: 45 Resp: 1074590

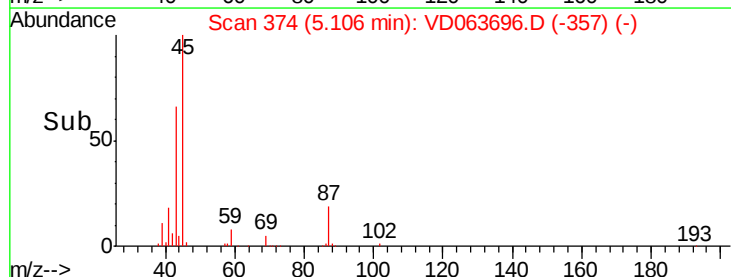
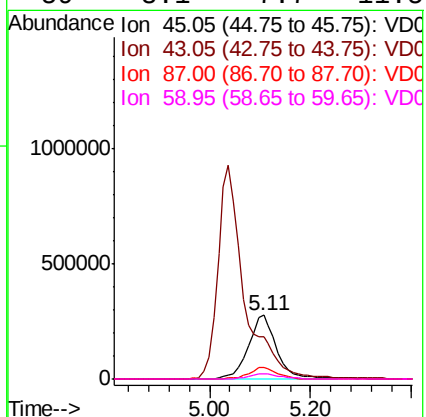
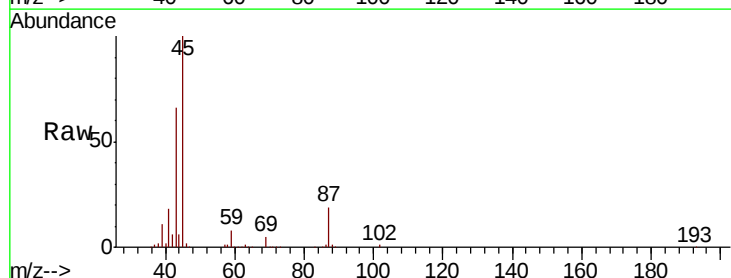
Ion Ratio Lower Upper

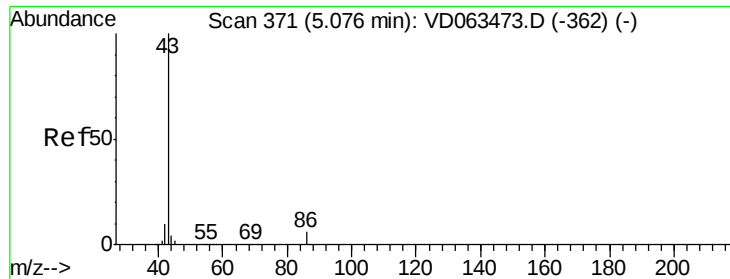
45 100

43 65.6 50.3 75.5

87 19.0 14.3 21.5

59 8.1 7.7 11.5

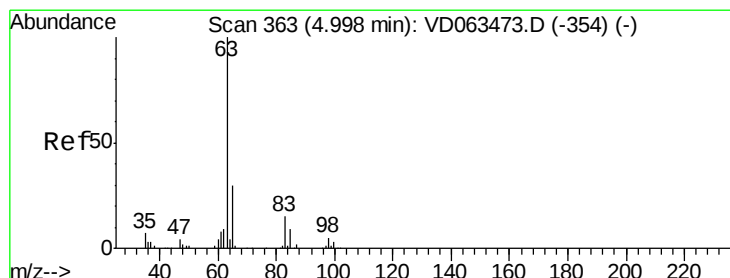
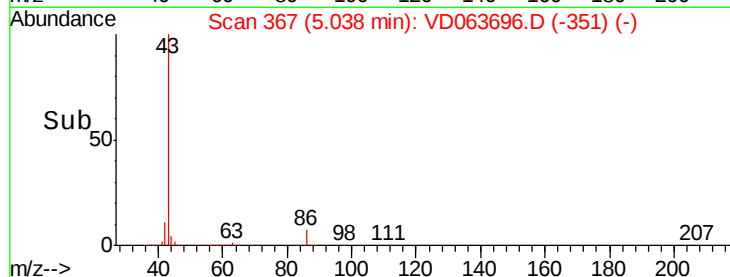
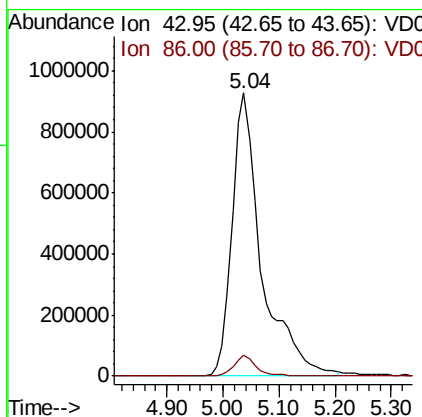
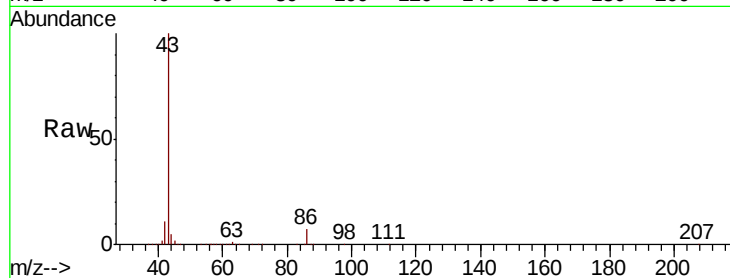




#23
 Vinyl Acetate
 Concen: 268.726 ug/l
 RT: 5.04 min Scan# 367
 Delta R.T. -0.04 min
 Lab File: VD063696.D
 Acq: 20 Aug 2019 20:29

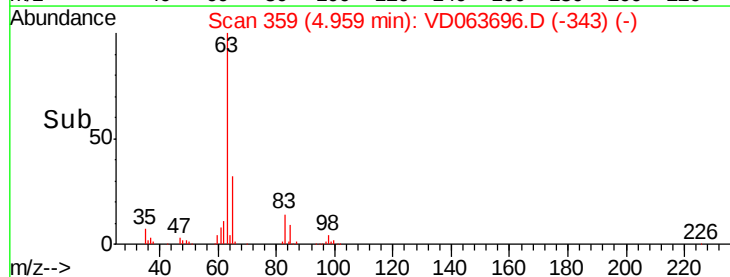
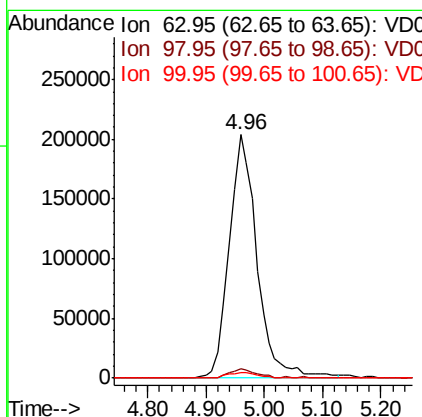
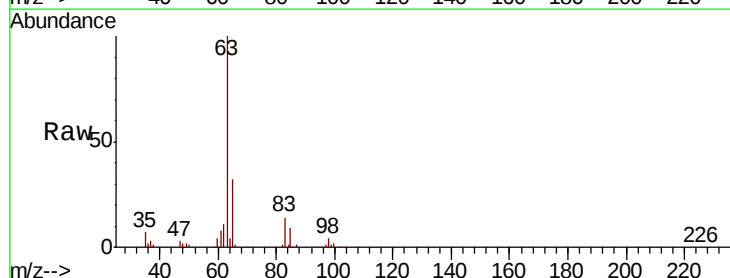
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 43 Resp: 3381143
 Ion Ratio Lower Upper
 43 100
 86 7.3 4.8 7.2#



#24
 1,1-Dichloroethane
 Concen: 50.594 ug/l
 RT: 4.96 min Scan# 359
 Delta R.T. -0.04 min
 Lab File: VD063696.D
 Acq: 20 Aug 2019 20:29

Tgt Ion: 63 Resp: 679150
 Ion Ratio Lower Upper
 63 100
 98 4.1 2.4 7.2
 100 2.5 1.3 3.8





#25

2-Butanone

Concen: 246.401 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.03 min

Lab File: VD063696.D

Acq: 20 Aug 2019 20:29

Instrument :

MSVOA_D

ClientSampleId :

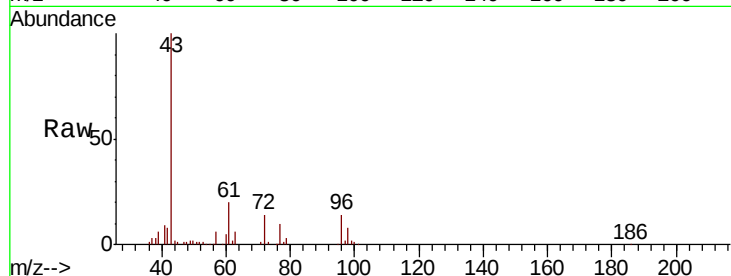
VSTDCCC050EC

Tgt Ion: 43 Resp: 456570

Ion Ratio Lower Upper

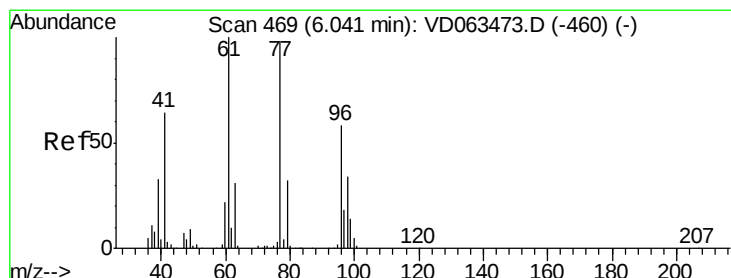
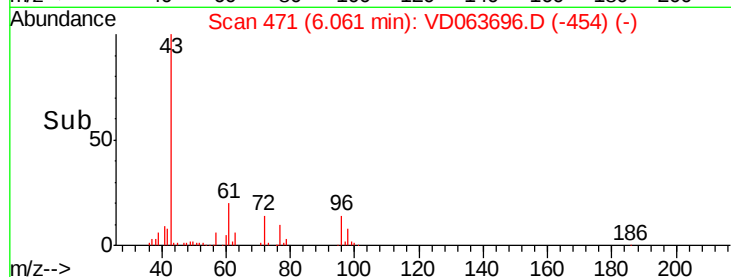
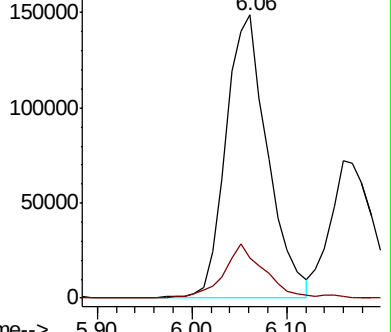
43 100

72 14.4 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: 48.741 ug/l

RT: 6.00 min Scan# 465

Delta R.T. -0.04 min

Lab File: VD063696.D

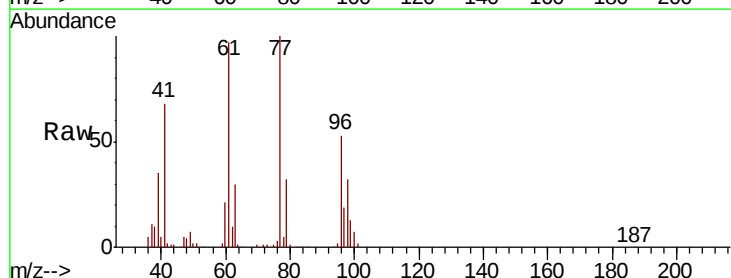
Acq: 20 Aug 2019 20:29

Tgt Ion: 77 Resp: 651681

Ion Ratio Lower Upper

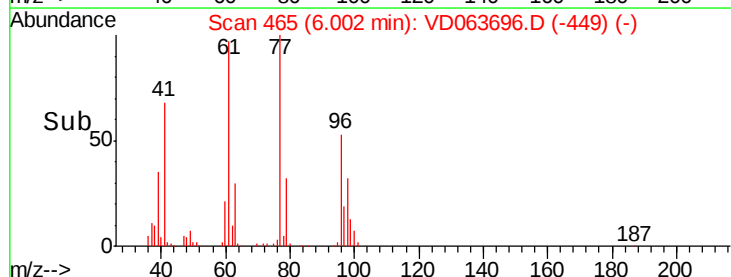
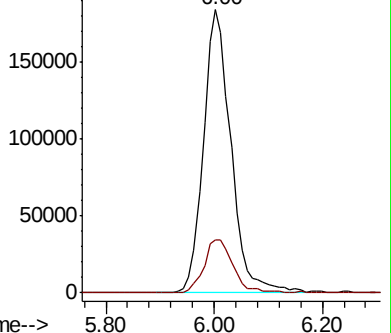
77 100

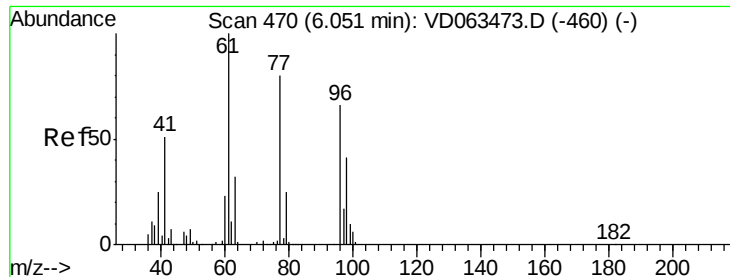
97 18.6 9.0 27.1



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: 50.771 ug/l

RT: 6.01 min Scan# 466

Delta R.T. -0.04 min

Lab File: VD063696.D

Acq: 20 Aug 2019 20:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

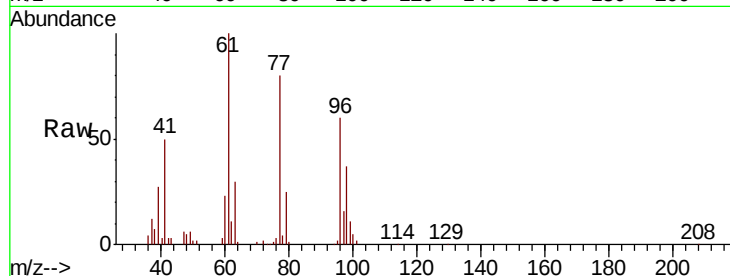
Tgt Ion: 96 Resp: 407828

Ion Ratio Lower Upper

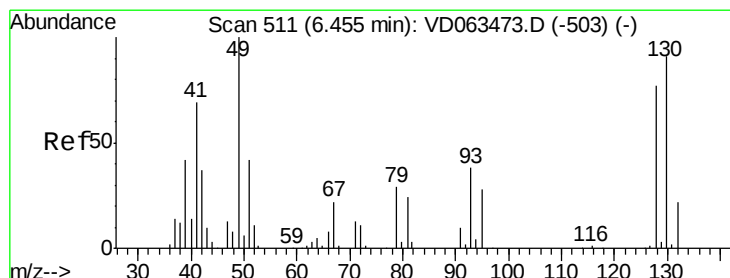
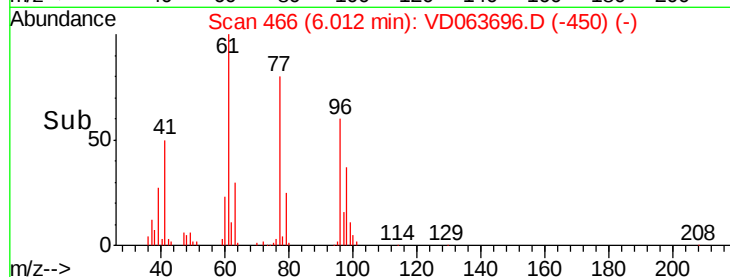
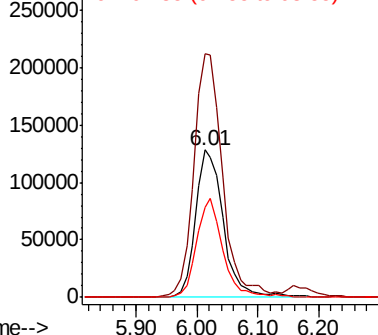
96 100

61 165.5 0.0 304.0

98 61.5 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: 52.667 ug/l

RT: 6.42 min Scan# 507

Delta R.T. -0.04 min

Lab File: VD063696.D

Acq: 20 Aug 2019 20:29

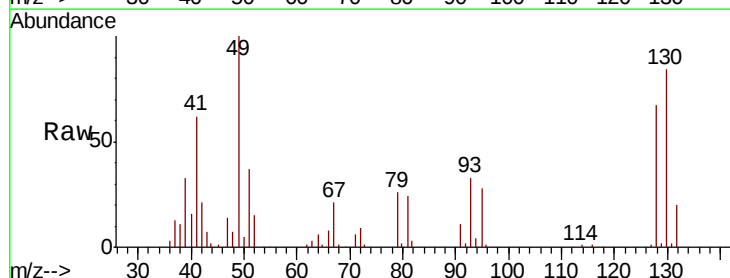
Tgt Ion: 49 Resp: 286531

Ion Ratio Lower Upper

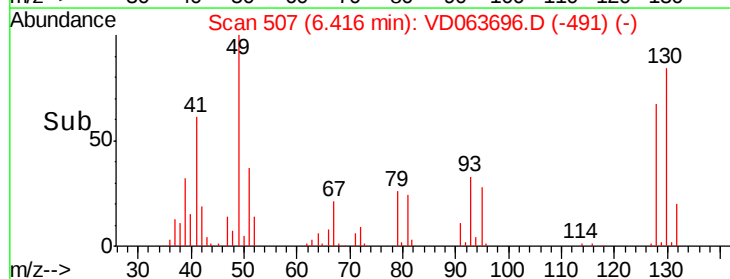
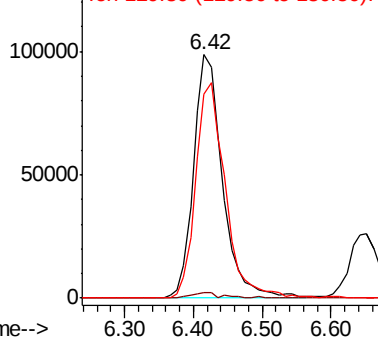
49 100

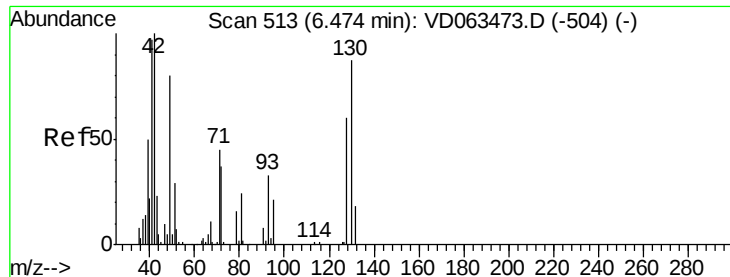
129 2.2 0.0 6.4

130 83.7 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: 251.682 ug/l

RT: 6.45 min Scan# 510

Delta R.T. -0.03 min

Lab File: VD063696.D

Acq: 20 Aug 2019 20:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

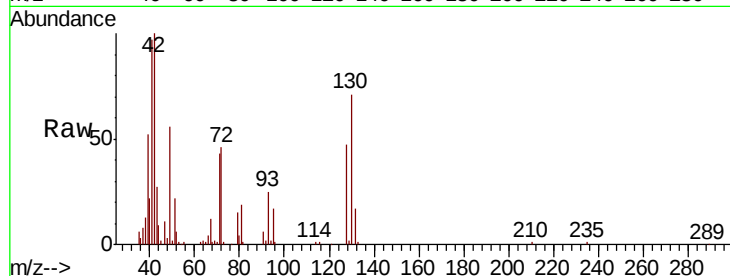
Tgt Ion: 42 Resp: 217310

Ion Ratio Lower Upper

42 100

72 42.9 31.5 47.3

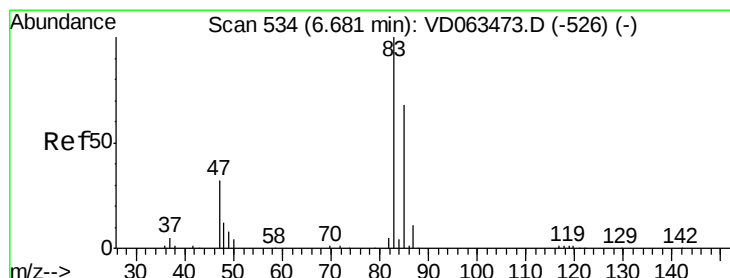
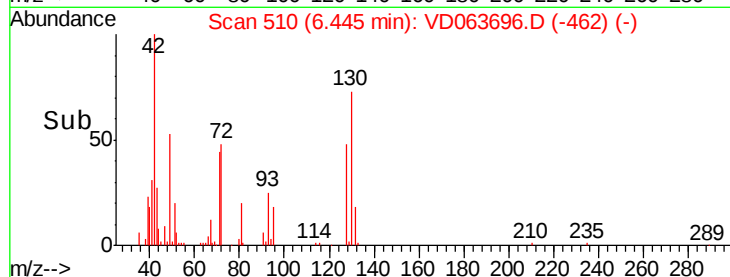
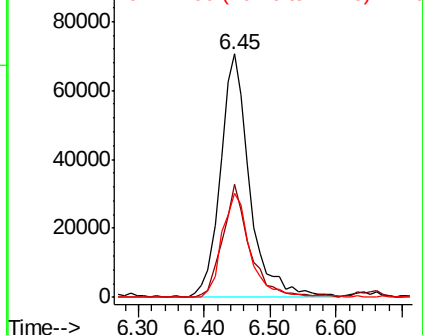
71 41.4 33.8 50.8



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 51.754 ug/l

RT: 6.64 min Scan# 530

Delta R.T. -0.04 min

Lab File: VD063696.D

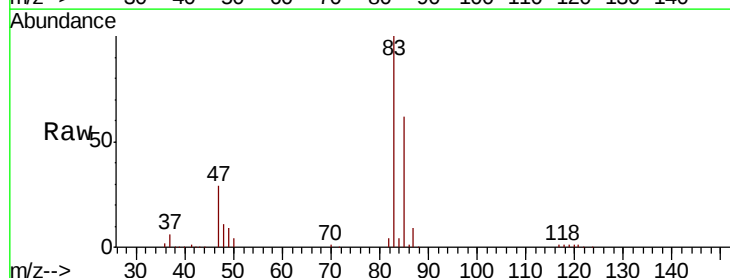
Acq: 20 Aug 2019 20:29

Tgt Ion: 83 Resp: 863525

Ion Ratio Lower Upper

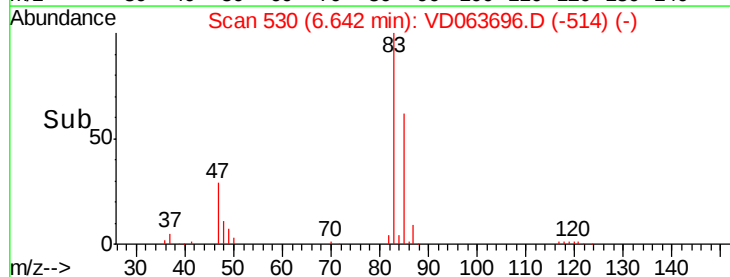
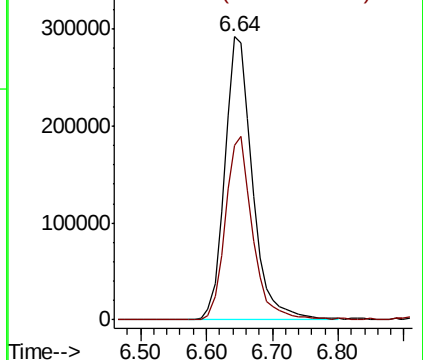
83 100

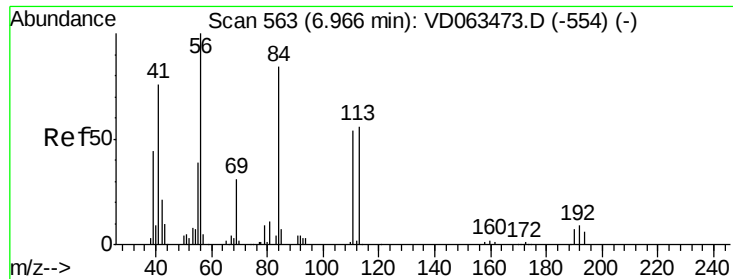
85 61.7 54.8 82.2



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

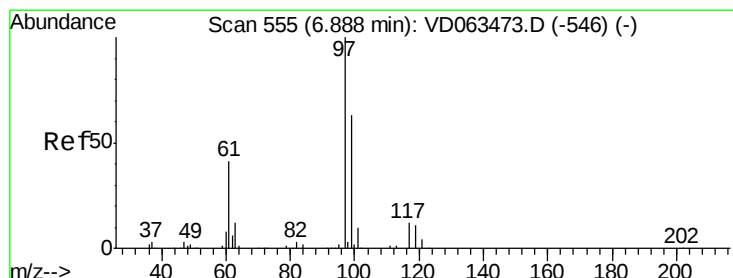
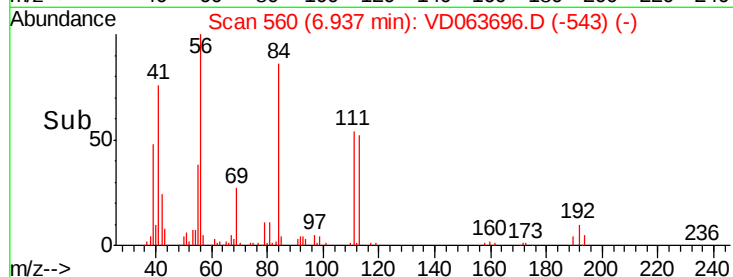
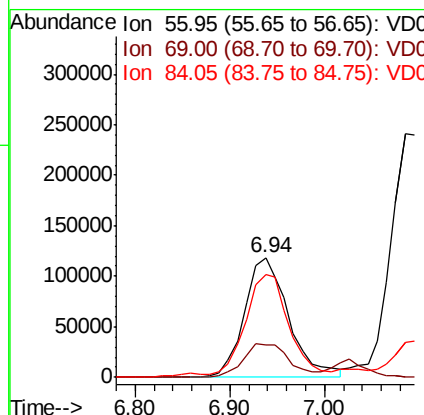
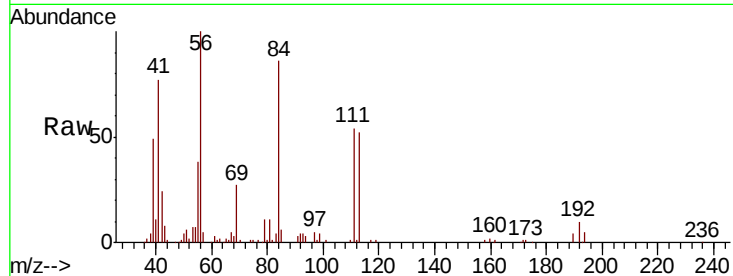




#31
Cyclohexane
Concen: 46.189 ug/l
RT: 6.94 min Scan# 560
Delta R.T. -0.03 min
Lab File: VD063696.D
Acq: 20 Aug 2019 20:29

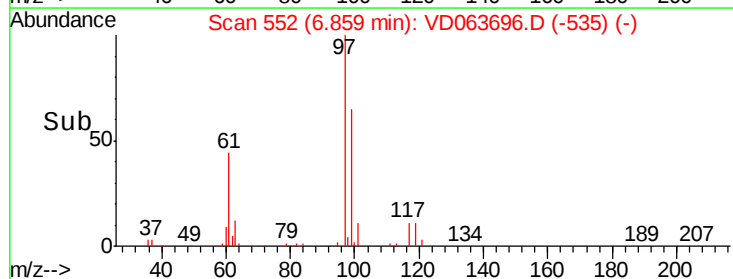
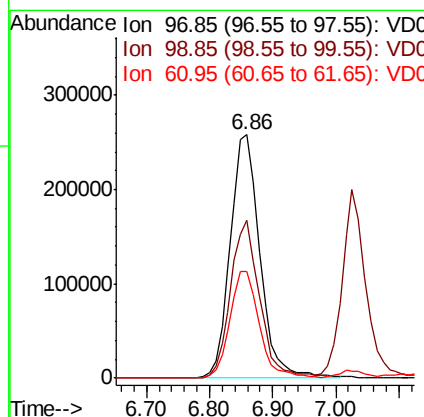
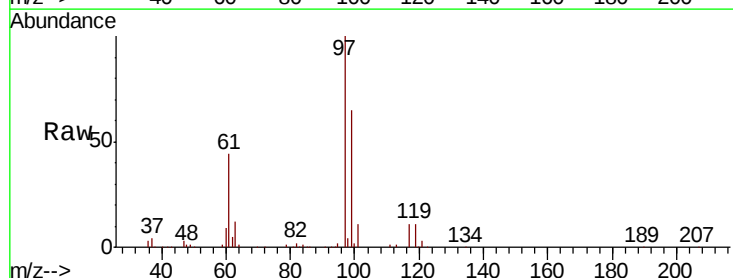
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

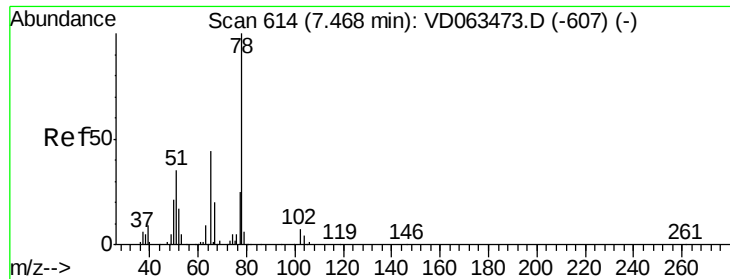
Tgt Ion: 56 Resp: 384916
Ion Ratio Lower Upper
56 100
69 27.2 25.0 37.6
84 86.2 69.7 104.5



#32
1,1,1-Trichloroethane
Concen: 52.428 ug/l
RT: 6.86 min Scan# 552
Delta R.T. -0.03 min
Lab File: VD063696.D
Acq: 20 Aug 2019 20:29

Tgt Ion: 97 Resp: 836785
Ion Ratio Lower Upper
97 100
99 64.8 50.2 75.4
61 43.7 33.1 49.7

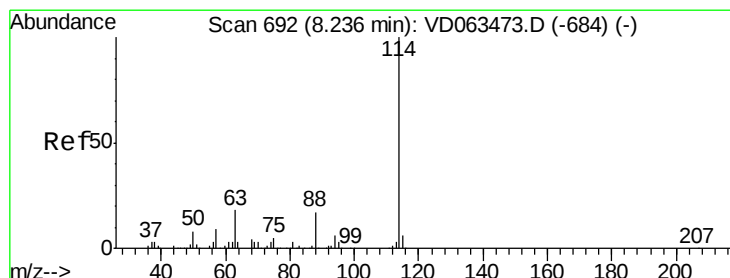
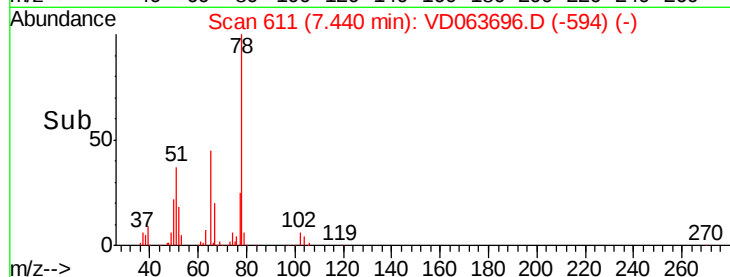
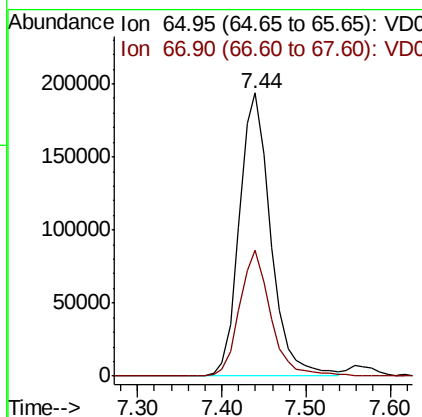
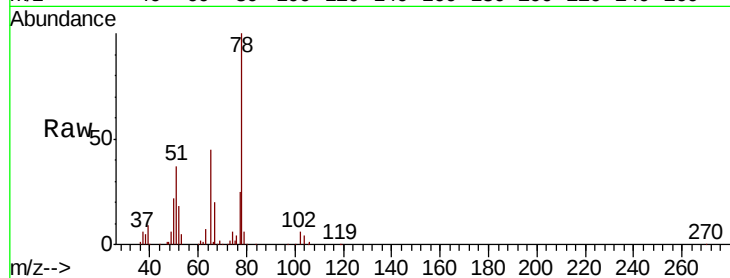




#33
 1,2-Dichloroethane-d4
 Concen: 54.645 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. -0.03 min
 Lab File: VD063696.D
 Acq: 20 Aug 2019 20:29

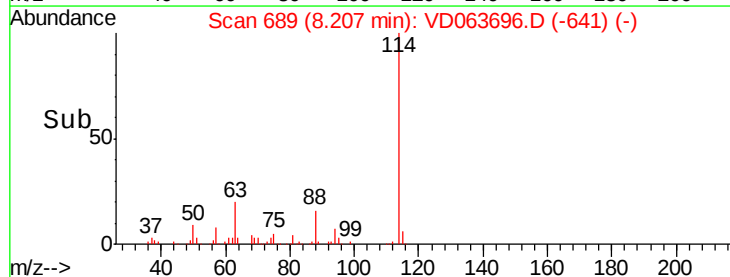
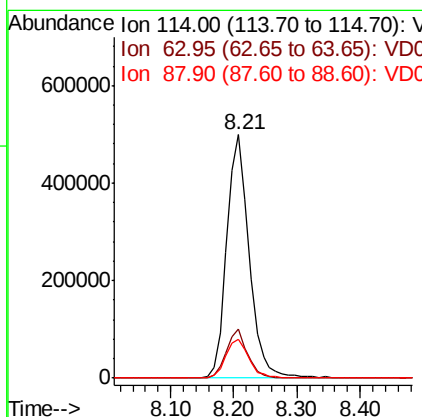
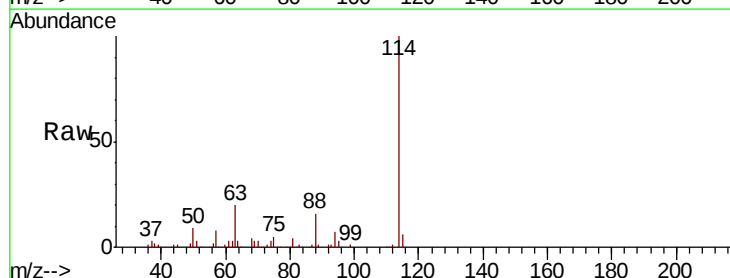
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

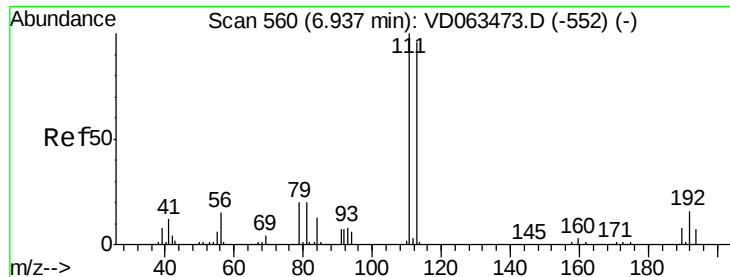
Tgt Ion: 65 Resp: 504340
 Ion Ratio Lower Upper
 65 100
 67 44.6 0.0 89.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. -0.03 min
 Lab File: VD063696.D
 Acq: 20 Aug 2019 20:29

Tgt Ion: 114 Resp: 1223537
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 36.2
 88 15.7 0.0 35.0





#35

Dibromofluoromethane

Concen: 51.629 ug/l

RT: 6.91 min Scan# 557

Delta R.T. -0.03 min

Lab File: VD063696.D

Acq: 20 Aug 2019 20:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

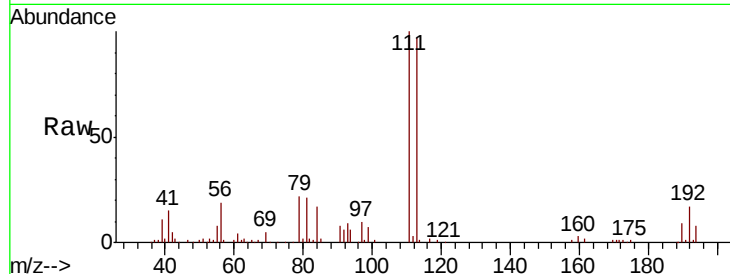
Tgt Ion:113 Resp: 532021

Ion Ratio Lower Upper

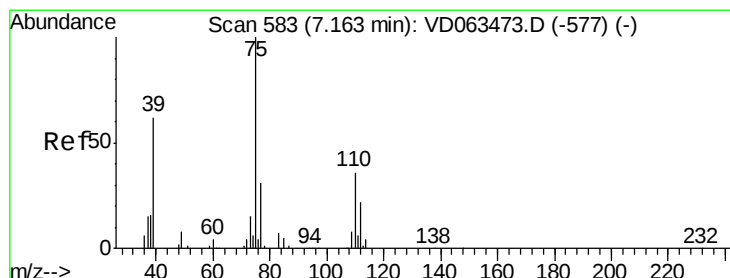
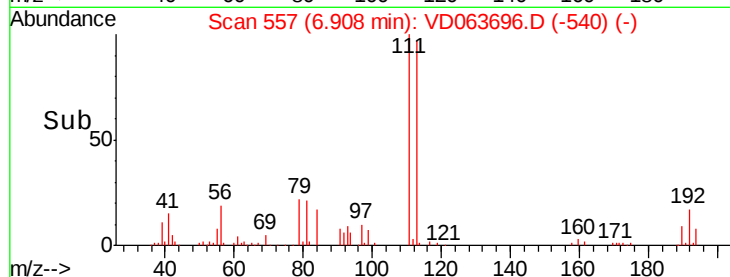
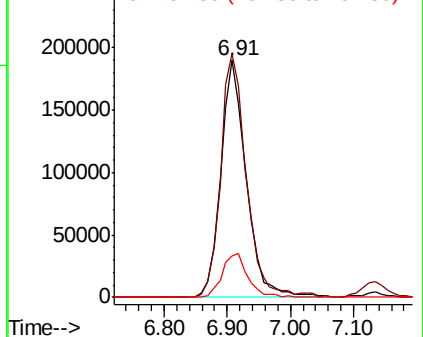
113 100

111 102.7 83.1 124.7

192 17.7 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: 49.820 ug/l

RT: 7.13 min Scan# 580

Delta R.T. -0.03 min

Lab File: VD063696.D

Acq: 20 Aug 2019 20:29

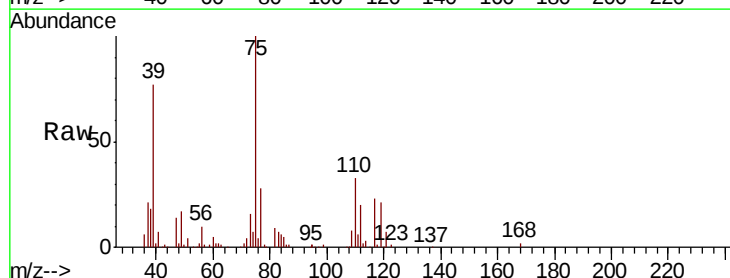
Tgt Ion: 75 Resp: 538870

Ion Ratio Lower Upper

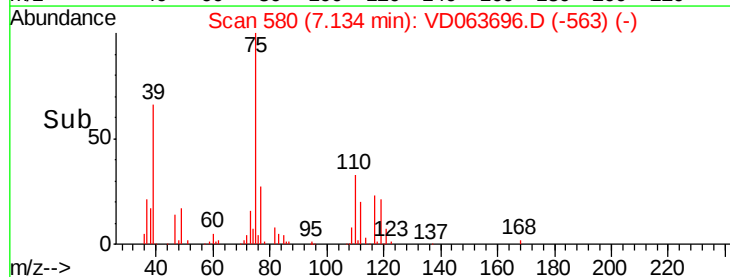
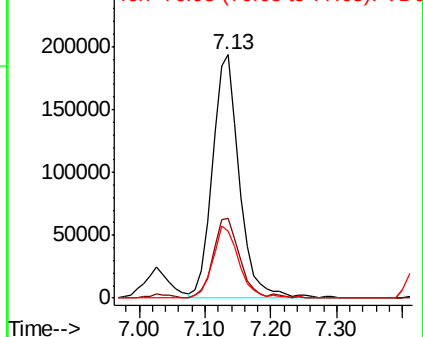
75 100

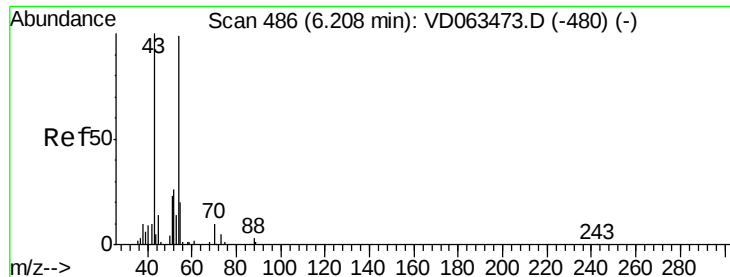
110 32.8 17.6 52.8

77 27.7 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: 51.918 ug/l

RT: 6.16 min Scan# 481

Delta R.T. -0.05 min

Lab File: VD063696.D

Acq: 20 Aug 2019 20:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

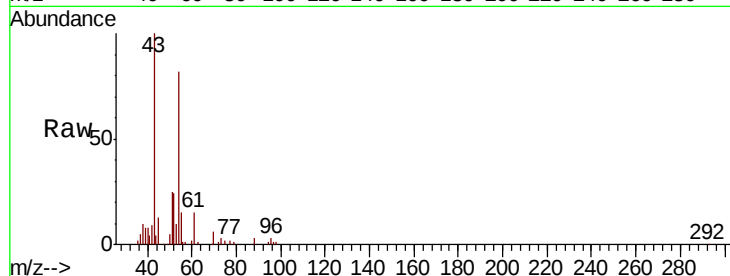
Tgt Ion: 43 Resp: 235312

Ion Ratio Lower Upper

43 100

61 14.7 9.0 13.6#

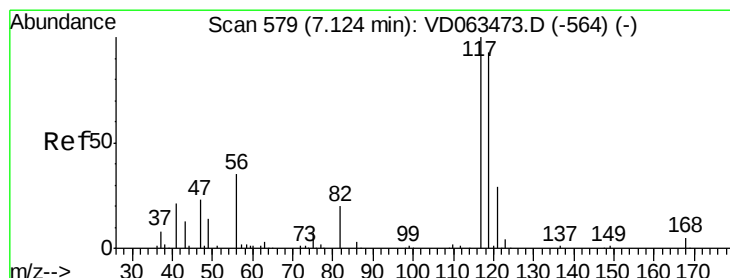
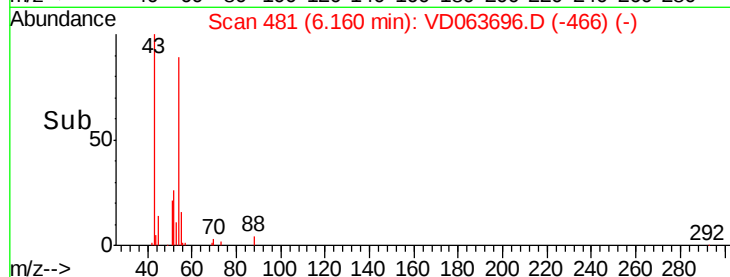
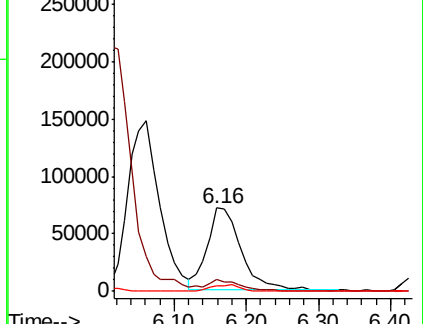
70 6.3 6.9 10.3#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 55.150 ug/l

RT: 7.09 min Scan# 576

Delta R.T. -0.03 min

Lab File: VD063696.D

Acq: 20 Aug 2019 20:29

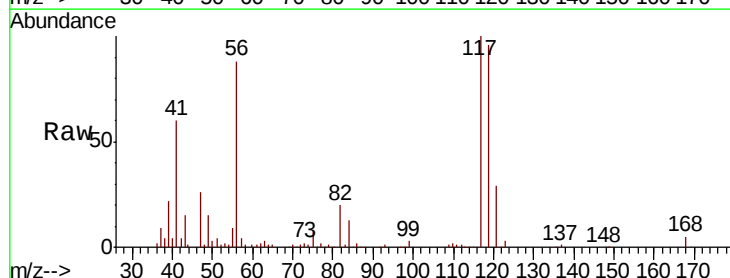
Tgt Ion: 117 Resp: 899024

Ion Ratio Lower Upper

117 100

119 95.9 74.2 111.2

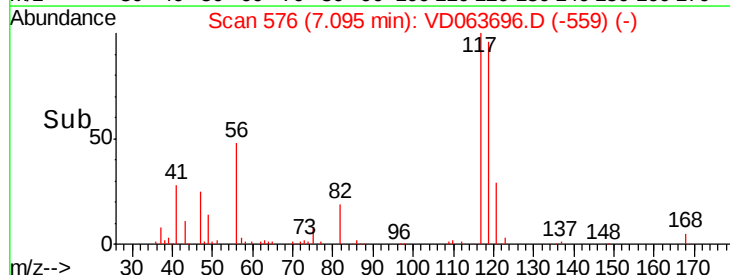
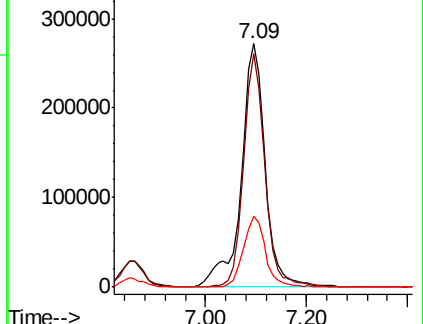
121 28.9 23.1 34.7



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V





#39

Methylcyclohexane

Concen: 45.791 ug/l

RT: 8.85 min Scan# 754

Delta R.T. -0.03 min

Lab File: VD063696.D

Acq: 20 Aug 2019 20:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

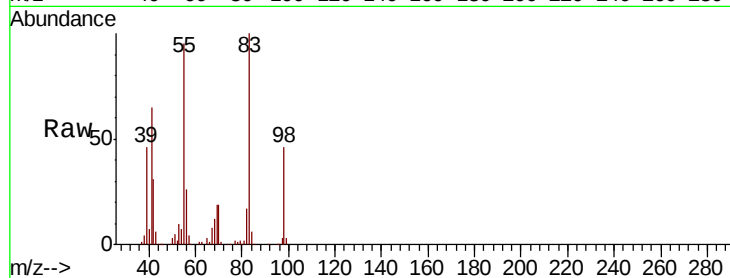
Tgt Ion: 83 Resp: 421164

Ion Ratio Lower Upper

83 100

55 95.5 76.6 114.8

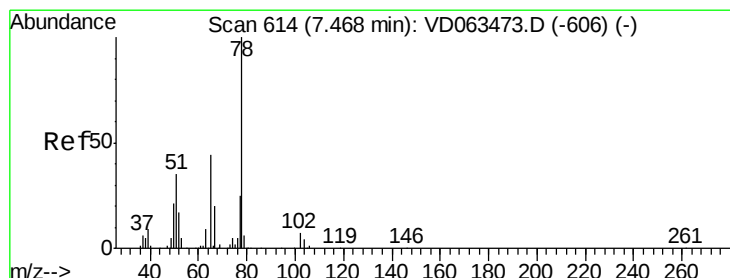
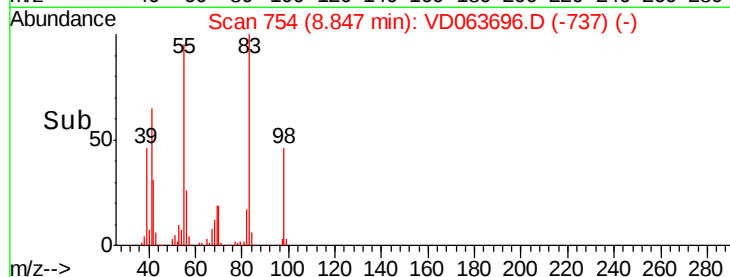
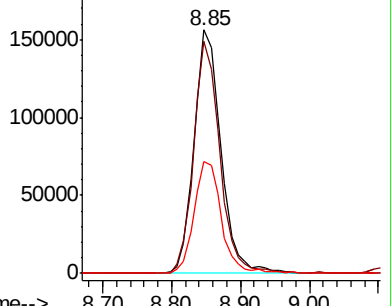
98 45.8 39.4 59.0



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 49.749 ug/l

RT: 7.44 min Scan# 611

Delta R.T. -0.03 min

Lab File: VD063696.D

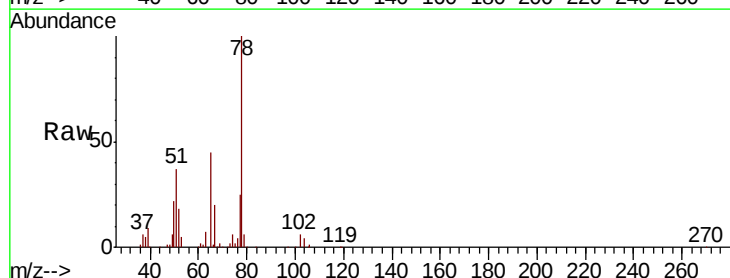
Acq: 20 Aug 2019 20:29

Tgt Ion: 78 Resp: 1184165

Ion Ratio Lower Upper

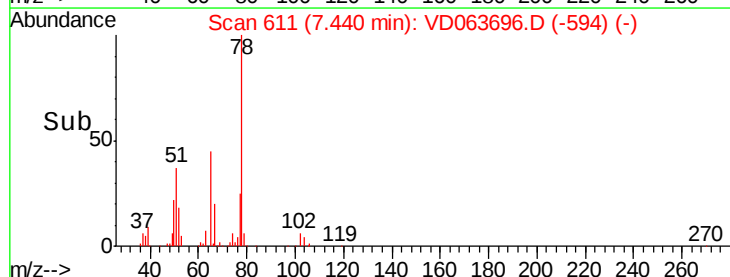
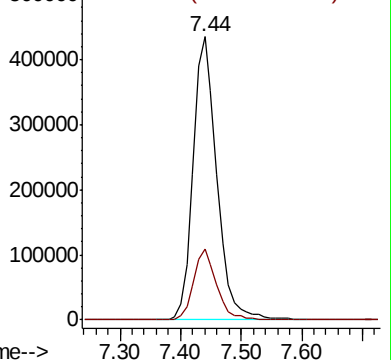
78 100

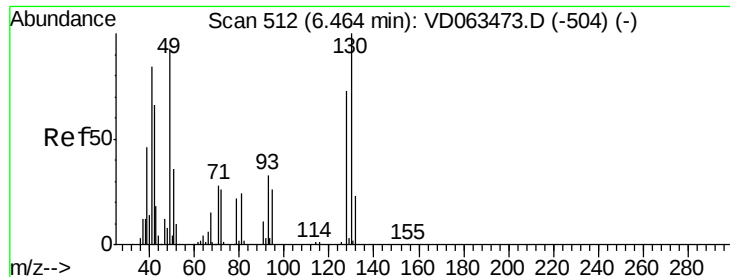
77 25.0 20.1 30.1



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 51.160 ug/l

RT: 6.45 min Scan# 510

Delta R.T. -0.02 min

Lab File: VD063696.D

Acq: 20 Aug 2019 20:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 41 Resp: 291955

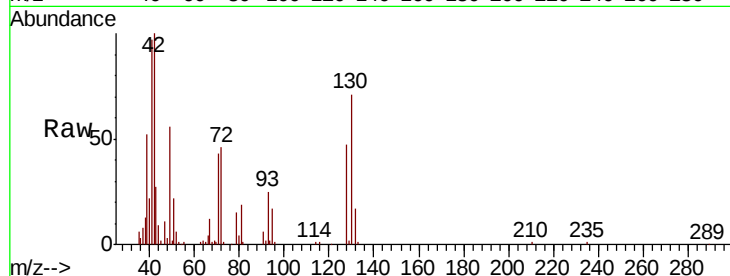
Ion Ratio Lower Upper

41 100

39 53.5 44.6 66.8

67 12.0 14.4 21.6#

52 5.9 9.3 13.9#

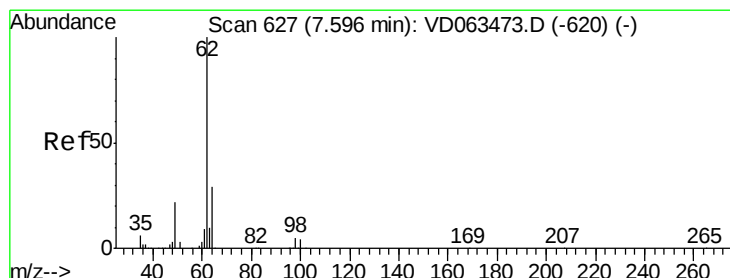
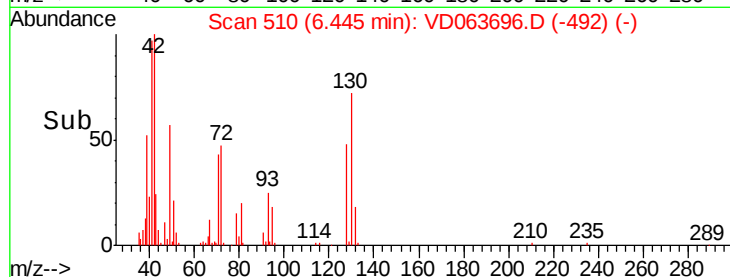
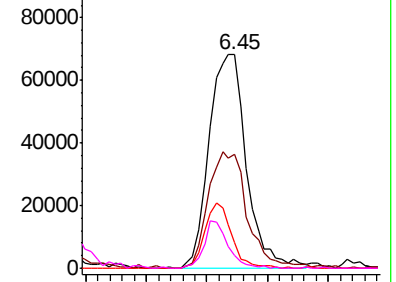


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 50.852 ug/l

RT: 7.57 min Scan# 624

Delta R.T. -0.03 min

Lab File: VD063696.D

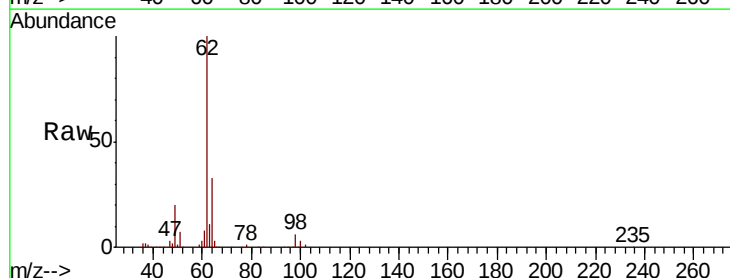
Acq: 20 Aug 2019 20:29

Tgt Ion: 62 Resp: 608637

Ion Ratio Lower Upper

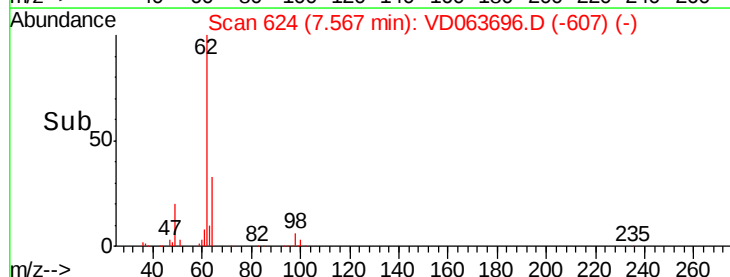
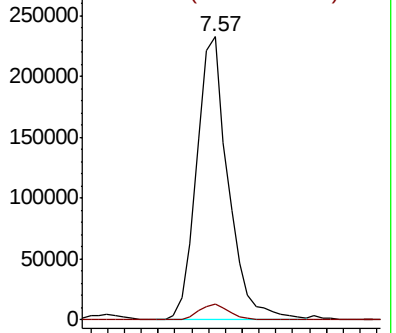
62 100

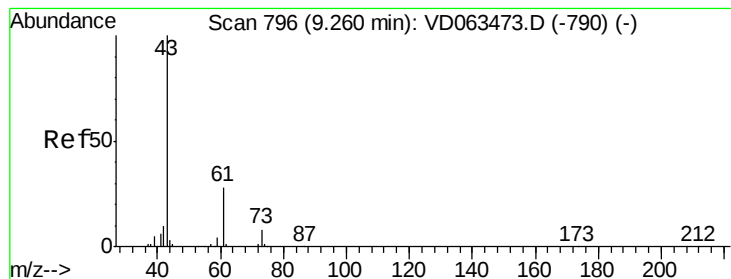
98 5.5 0.0 10.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 55.515 ug/l

RT: 9.23 min Scan# 793

Delta R.T. -0.03 min

Lab File: VD063696.D

Acq: 20 Aug 2019 20:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

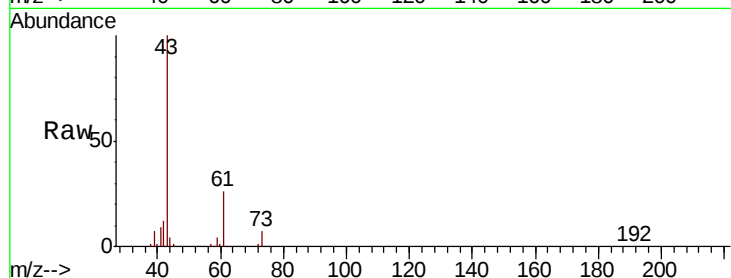
Tgt Ion: 43 Resp: 336995

Ion Ratio Lower Upper

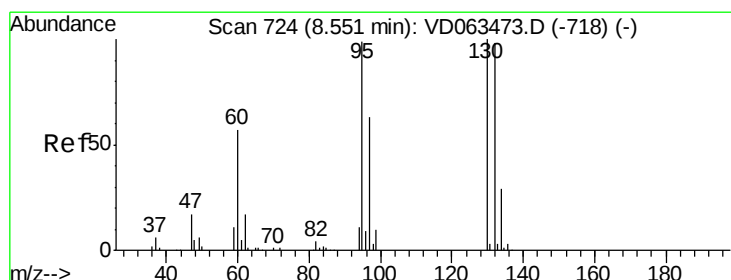
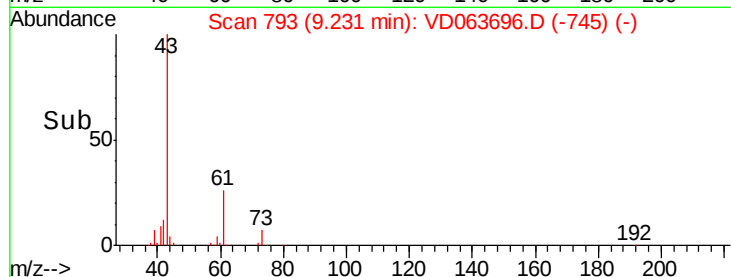
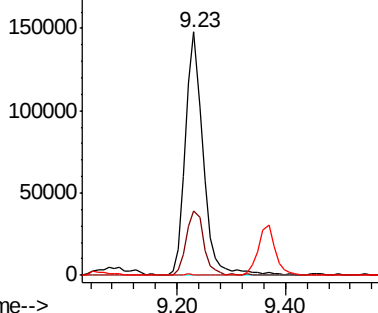
43 100

61 26.4 22.2 33.2

87 0.0 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: 49.325 ug/l

RT: 8.53 min Scan# 722

Delta R.T. -0.02 min

Lab File: VD063696.D

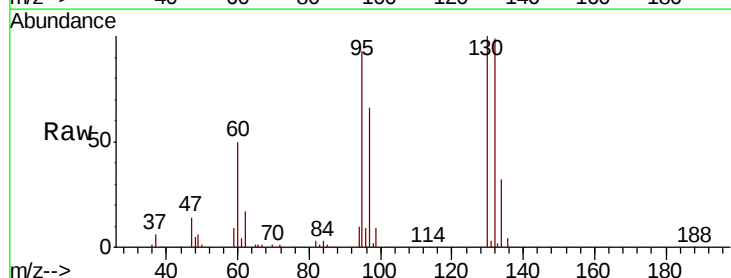
Acq: 20 Aug 2019 20:29

Tgt Ion: 130 Resp: 448762

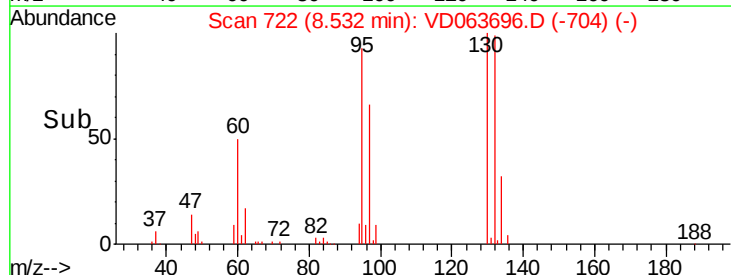
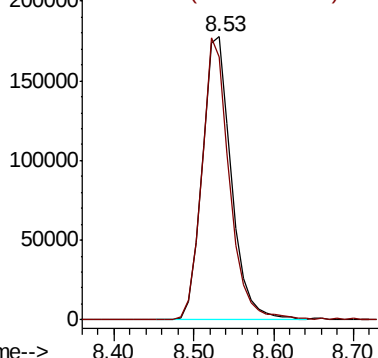
Ion Ratio Lower Upper

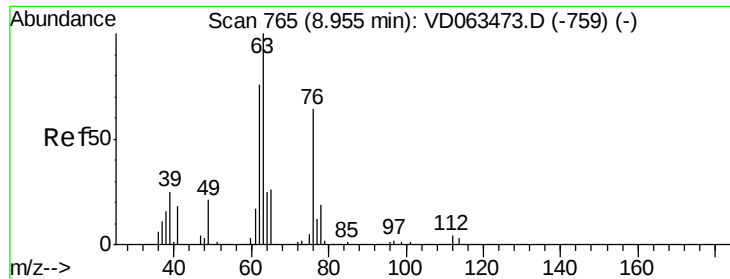
130 100

95 92.8 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: 49.690 ug/l

RT: 8.93 min Scan# 762

Delta R.T. -0.03 min

Lab File: VD063696.D

Acq: 20 Aug 2019 20:29

Instrument :

MSVOA_D

ClientSampleId :

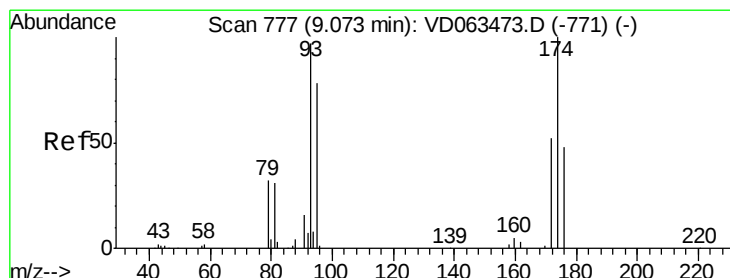
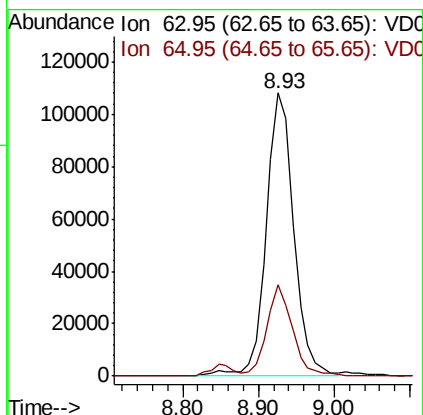
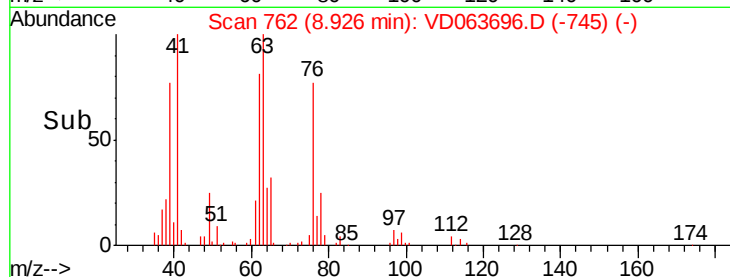
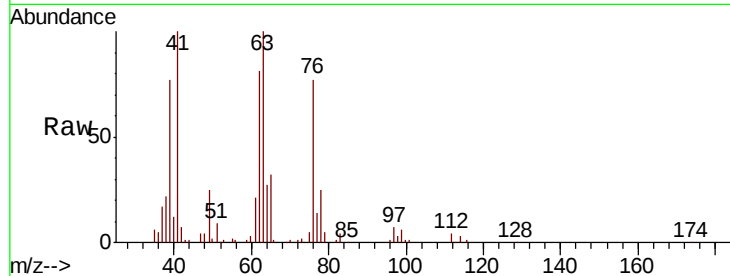
VSTDCCC050EC

Tgt Ion: 63 Resp: 275438

Ion Ratio Lower Upper

63 100

65 32.3 22.5 33.7



#46

Dibromomethane

Concen: 54.728 ug/l

RT: 9.05 min Scan# 775

Delta R.T. -0.02 min

Lab File: VD063696.D

Acq: 20 Aug 2019 20:29

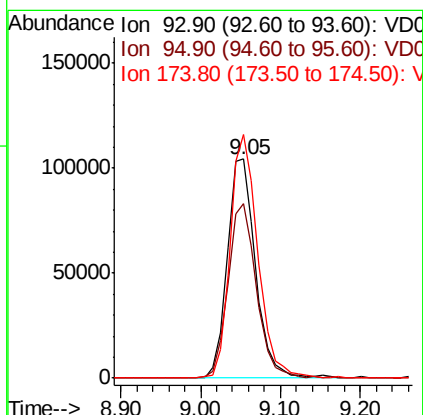
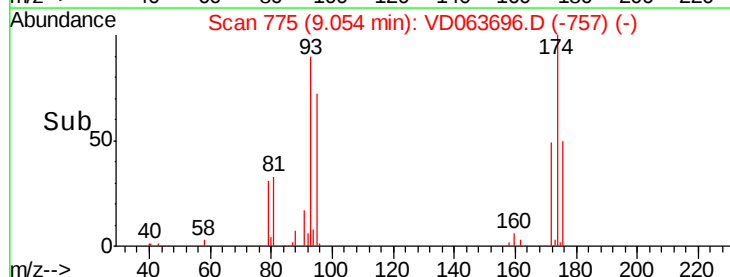
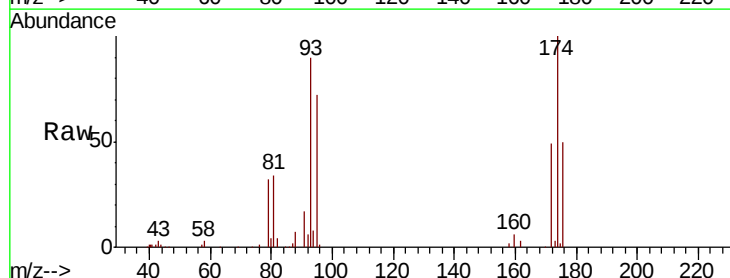
Tgt Ion: 93 Resp: 259068

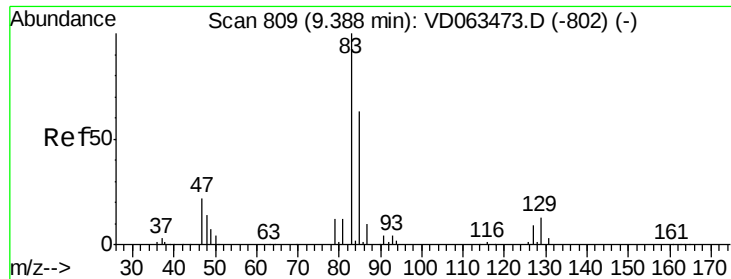
Ion Ratio Lower Upper

93 100

95 80.0 64.2 96.2

174 111.3 82.1 123.1





#47

Bromodichloromethane

Concen: 53.319 ug/l

RT: 9.36 min Scan# 806

Delta R.T. -0.03 min

Lab File: VD063696.D

Acq: 20 Aug 2019 20:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

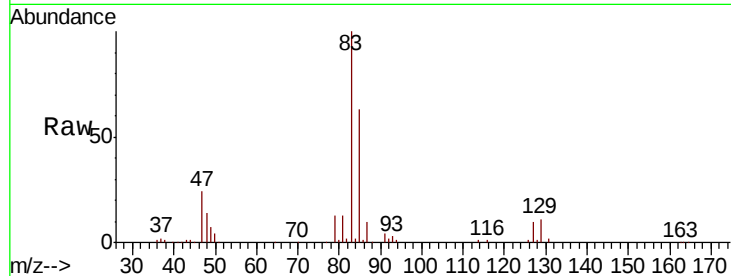
Tgt Ion: 83 Resp: 647421

Ion Ratio Lower Upper

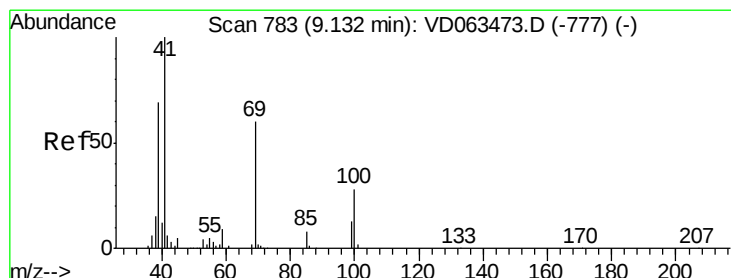
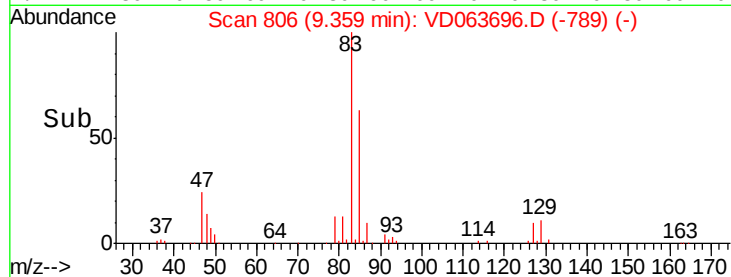
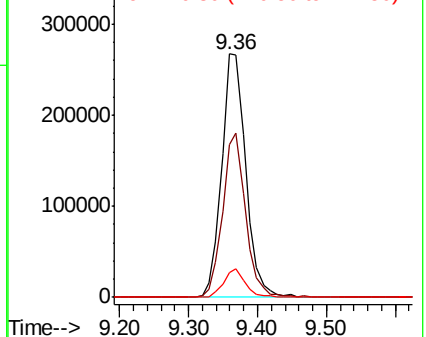
83 100

85 62.9 50.1 75.1

127 10.0 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: 51.328 ug/l

RT: 9.11 min Scan# 781

Delta R.T. -0.02 min

Lab File: VD063696.D

Acq: 20 Aug 2019 20:29

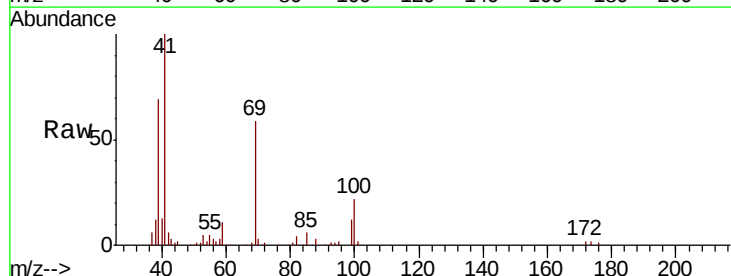
Tgt Ion: 41 Resp: 211303

Ion Ratio Lower Upper

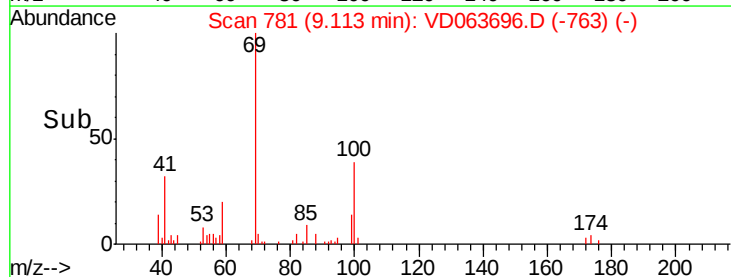
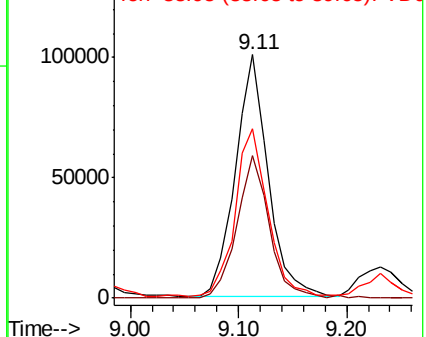
41 100

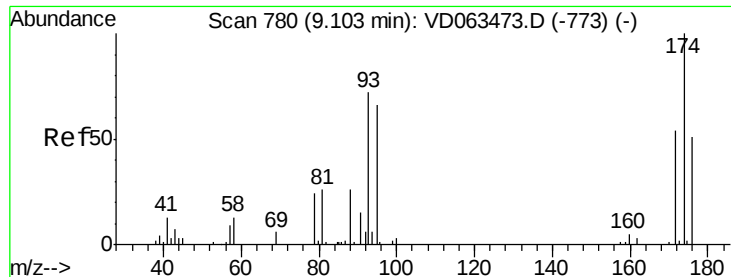
69 58.8 47.6 71.4

39 69.5 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

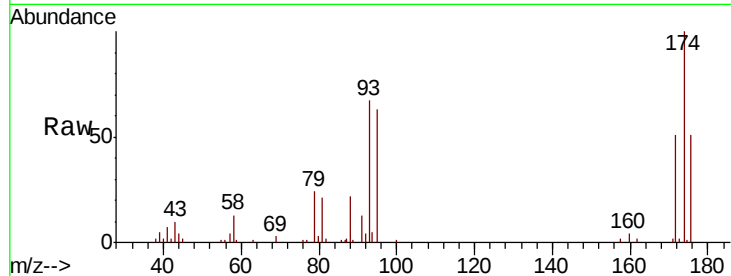




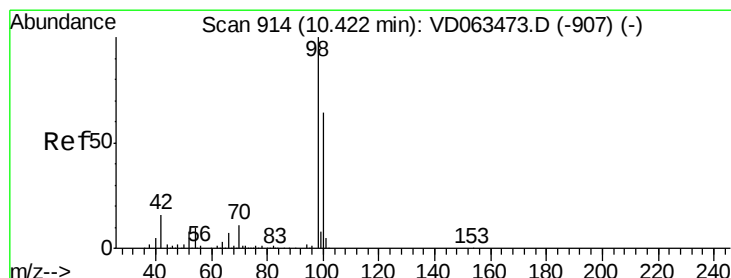
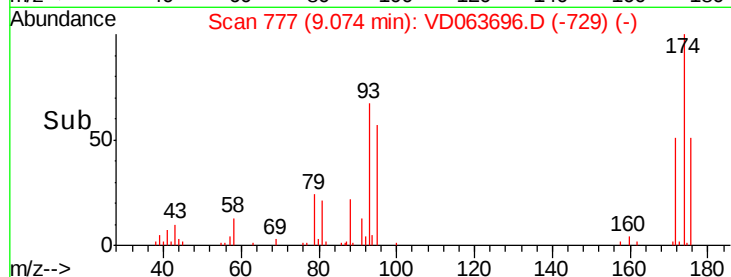
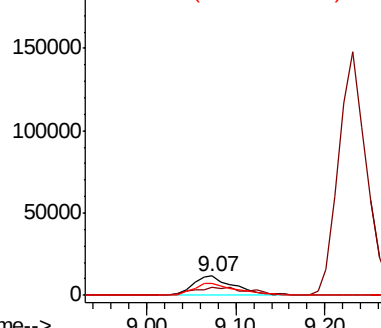
#49
 1,4-Dioxane
 Concen: 1017.007 ug/l
 RT: 9.07 min Scan# 777
 Delta R.T. -0.03 min
 Lab File: VD063696.D
 Acq: 20 Aug 2019 20:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 88 Resp: 37403
 Ion Ratio Lower Upper
 88 100
 43 45.2 22.9 34.3#
 58 62.0 40.1 60.1#

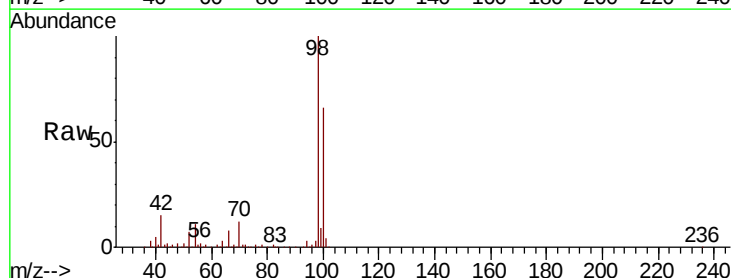


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

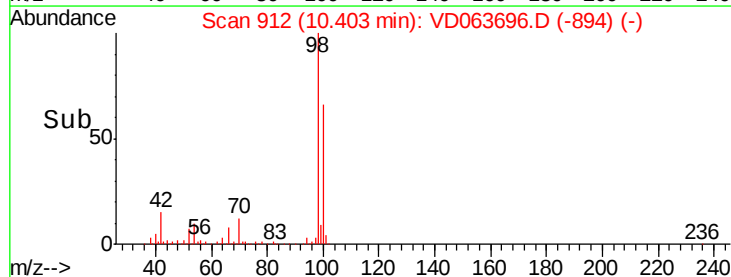
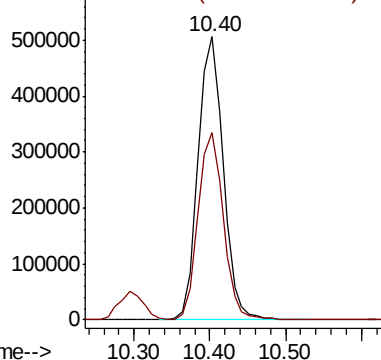


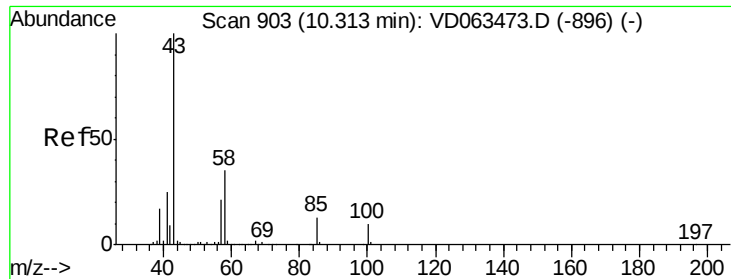
#50
 Toluene-d8
 Concen: 51.250 ug/l
 RT: 10.40 min Scan# 912
 Delta R.T. -0.02 min
 Lab File: VD063696.D
 Acq: 20 Aug 2019 20:29

Tgt Ion: 98 Resp: 1161093
 Ion Ratio Lower Upper
 98 100
 100 66.4 51.7 77.5



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

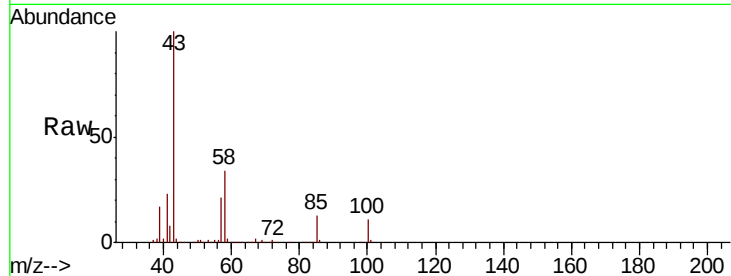




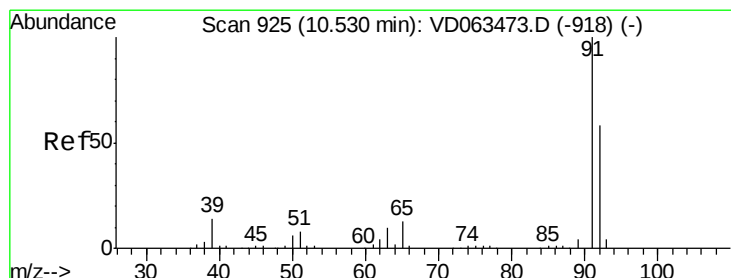
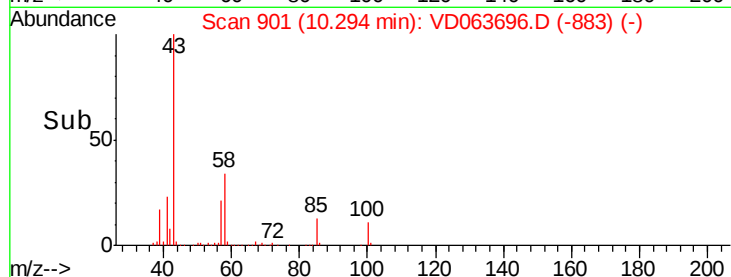
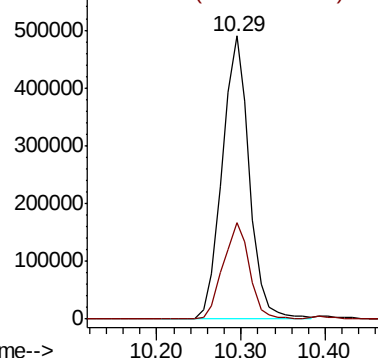
#51
4-Methyl-2-Pentanone
Concen: 266.050 ug/l
RT: 10.29 min Scan# 901
Delta R.T. -0.02 min
Lab File: VD063696.D
Acq: 20 Aug 2019 20:29

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 1105104
Ion Ratio Lower Upper
43 100
58 34.1 28.0 42.0

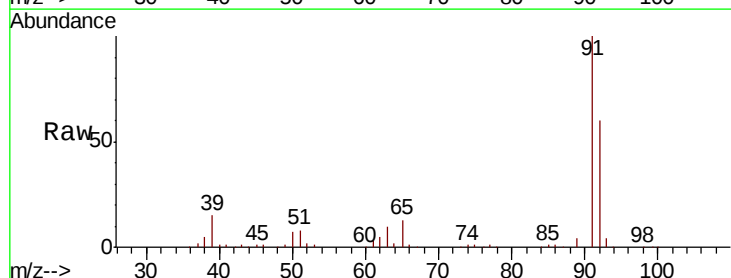


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

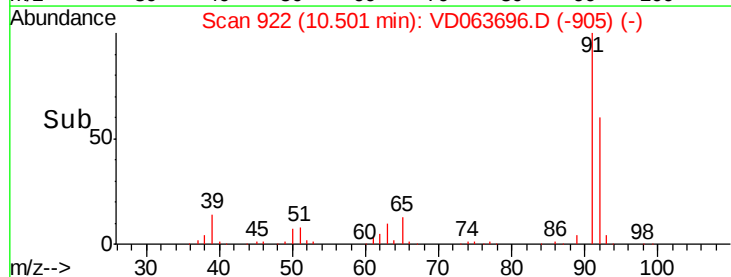
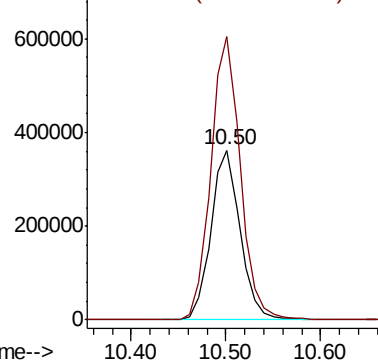


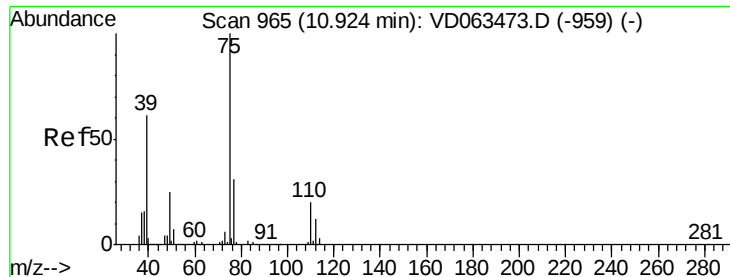
#52
Toluene
Concen: 50.212 ug/l
RT: 10.50 min Scan# 922
Delta R.T. -0.03 min
Lab File: VD063696.D
Acq: 20 Aug 2019 20:29

Tgt Ion: 92 Resp: 769824
Ion Ratio Lower Upper
92 100
91 166.6 137.9 206.9



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





#53

t-1,3-Dichloropropene

Concen: 50.842 ug/l

RT: 10.90 min Scan# 963

Delta R.T. -0.02 min

Lab File: VD063696.D

Acq: 20 Aug 2019 20:29

Instrument :

MSVOA_D

ClientSampleId :

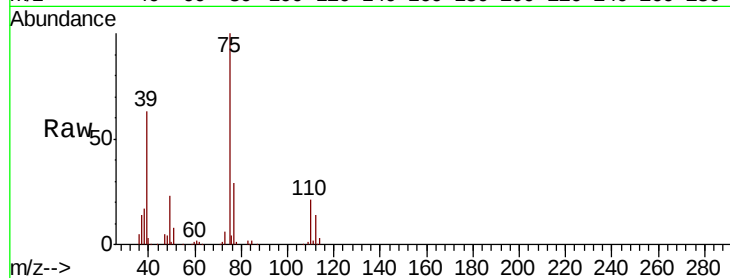
VSTDCCC050EC

Tgt Ion: 75 Resp: 503819

Ion Ratio Lower Upper

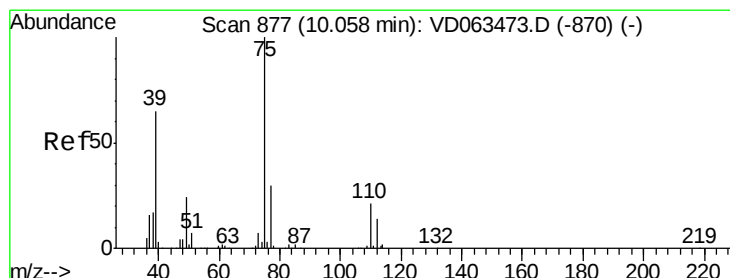
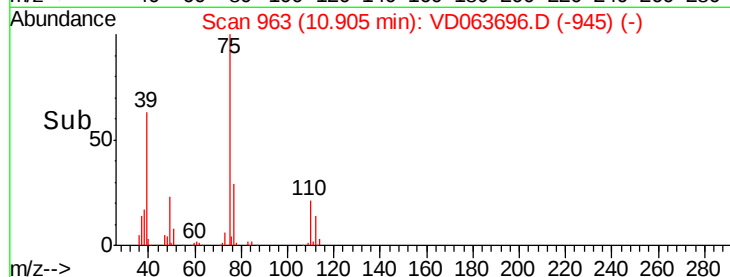
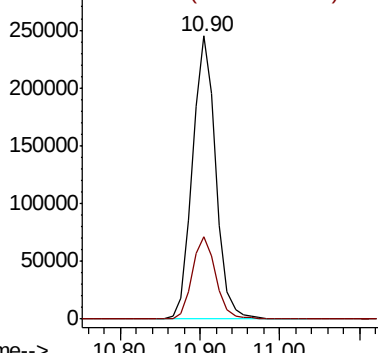
75 100

77 29.1 24.5 36.7



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 51.816 ug/l

RT: 10.03 min Scan# 874

Delta R.T. -0.03 min

Lab File: VD063696.D

Acq: 20 Aug 2019 20:29

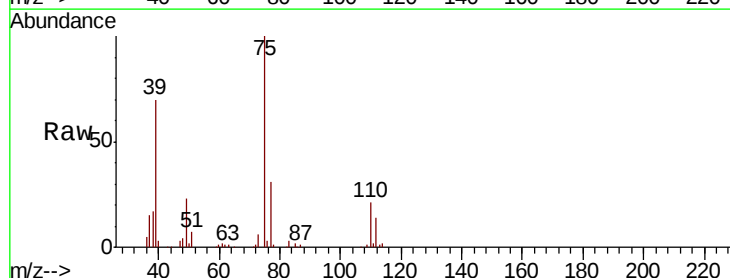
Tgt Ion: 75 Resp: 578976

Ion Ratio Lower Upper

75 100

77 31.0 23.7 35.5

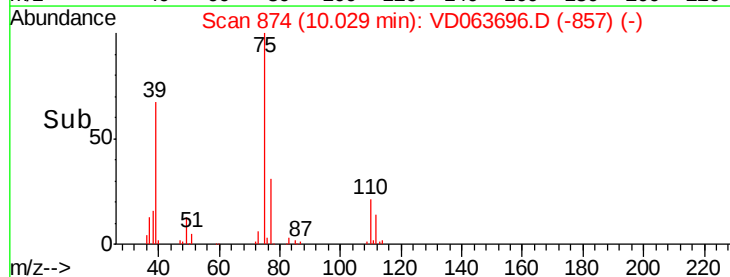
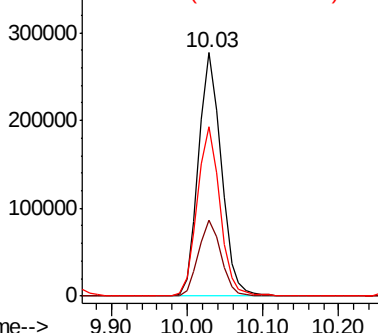
39 69.8 52.2 78.4

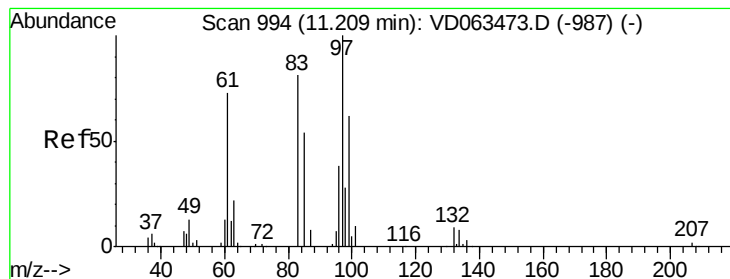


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC





#55

1,1,2-Trichloroethane

Concen: 52.200 ug/l

RT: 11.18 min Scan# 991

Delta R.T. -0.03 min

Lab File: VD063696.D

Acq: 20 Aug 2019 20:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 97 Resp: 270338

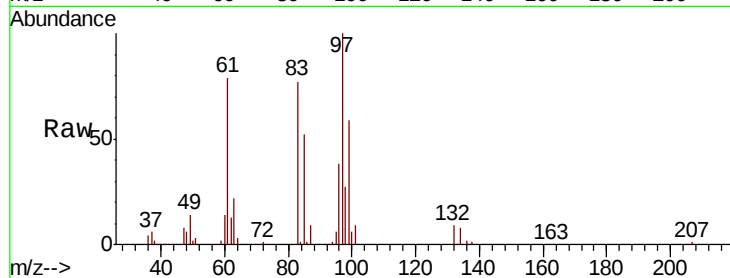
Ion Ratio Lower Upper

97 100

83 77.3 64.7 97.1

85 51.9 42.9 64.3

99 58.6 49.7 74.5

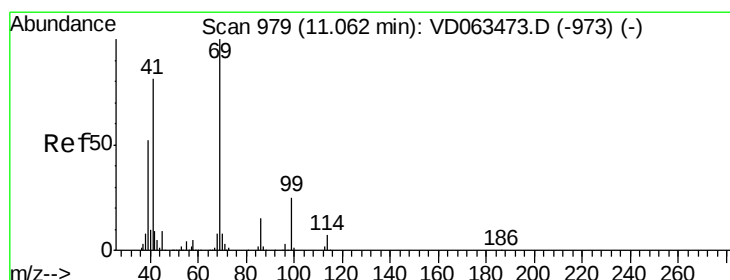
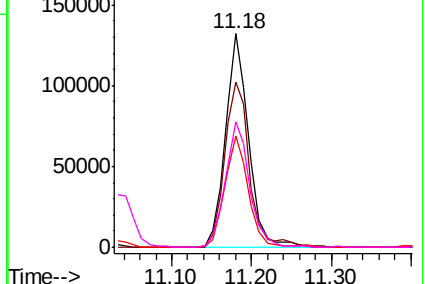
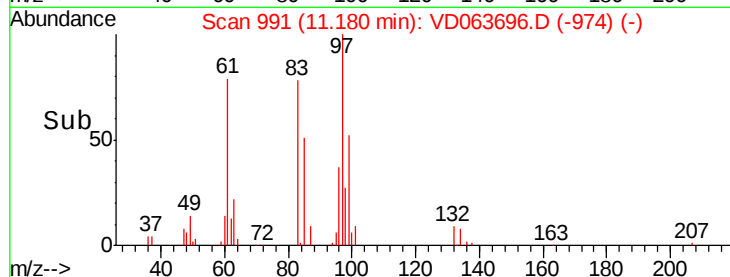


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 54.740 ug/l

RT: 11.03 min Scan# 976

Delta R.T. -0.03 min

Lab File: VD063696.D

Acq: 20 Aug 2019 20:29

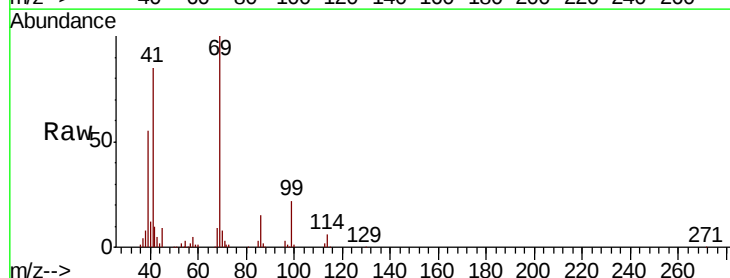
Tgt Ion: 69 Resp: 307697

Ion Ratio Lower Upper

69 100

41 85.0 64.8 97.2

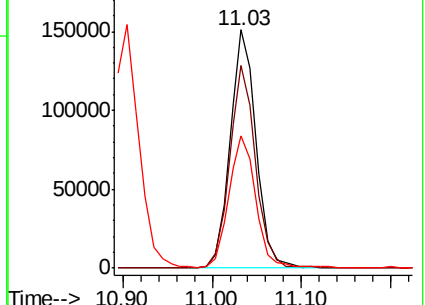
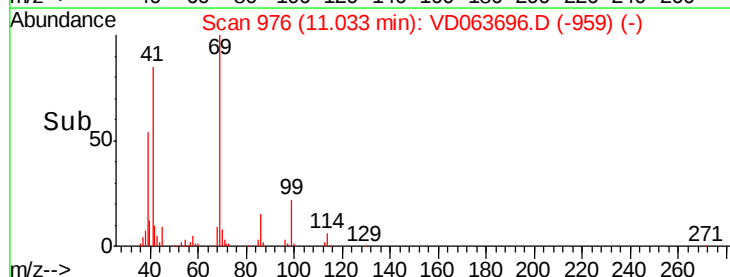
39 55.5 42.4 63.6

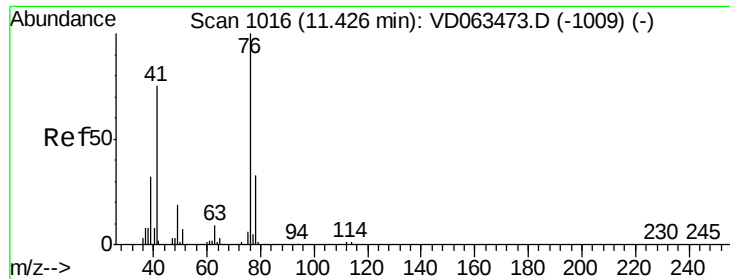


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 56.004 ug/l

RT: 11.40 min Scan# 1013

Delta R.T. -0.03 min

Lab File: VD063696.D

Acq: 20 Aug 2019 20:29

Instrument :

MSVOA_D

ClientSampleId :

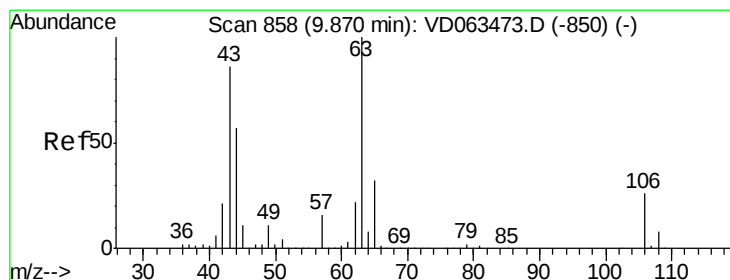
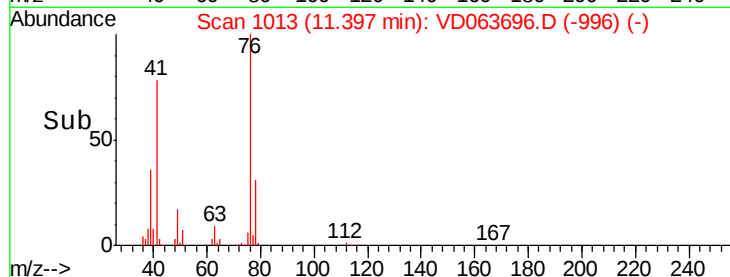
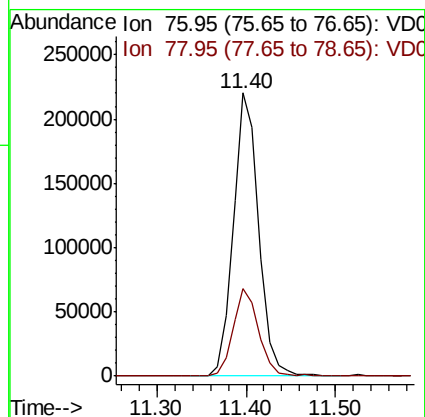
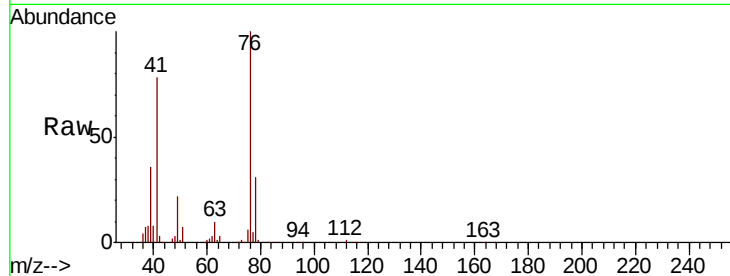
VSTDCCC050EC

Tgt Ion: 76 Resp: 438415

Ion Ratio Lower Upper

76 100

78 31.1 26.3 39.5



#58

2-Chloroethyl Vinyl ether

Concen: 293.730 ug/l

RT: 9.85 min Scan# 856

Delta R.T. -0.02 min

Lab File: VD063696.D

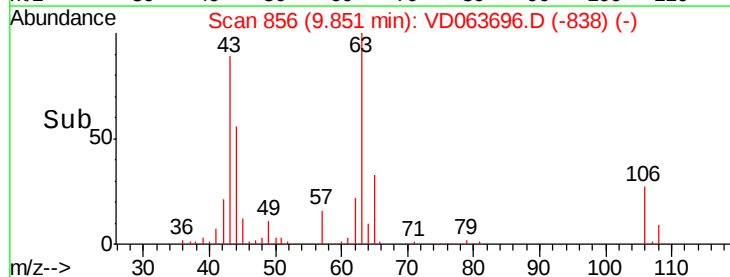
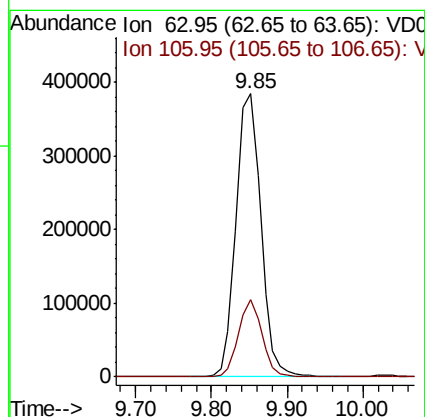
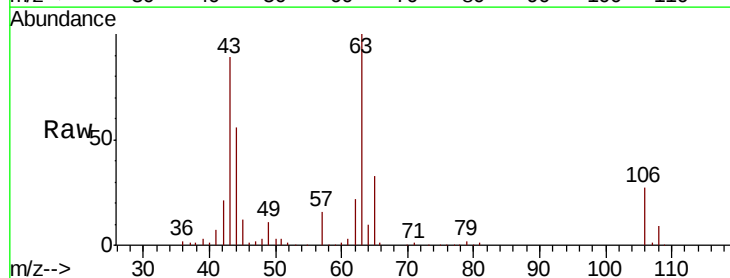
Acq: 20 Aug 2019 20:29

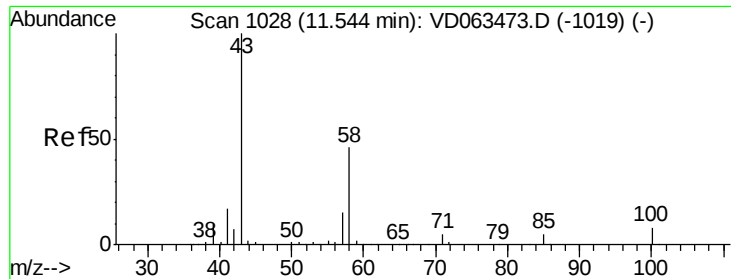
Tgt Ion: 63 Resp: 871665

Ion Ratio Lower Upper

63 100

106 27.3 20.8 31.2

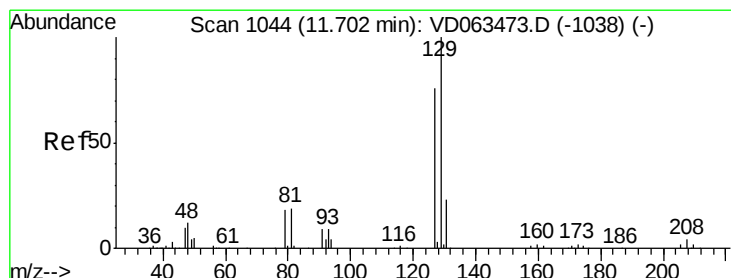
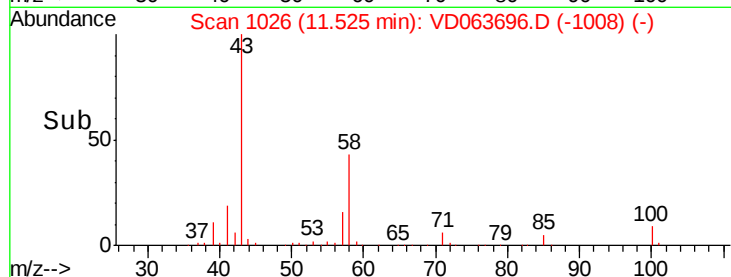
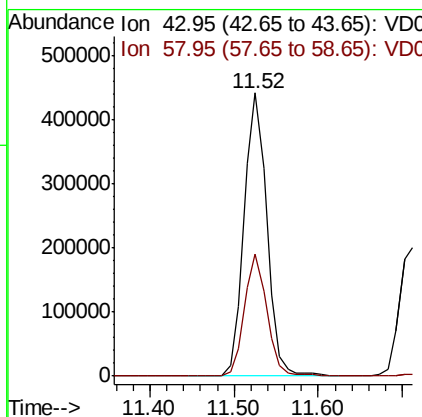
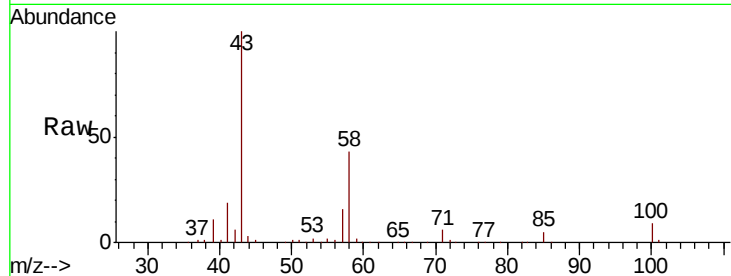




#59
2-Hexanone
Concen: 276.605 ug/l
RT: 11.52 min Scan# 1026
Delta R.T. -0.02 min
Lab File: VD063696.D
Acq: 20 Aug 2019 20:29

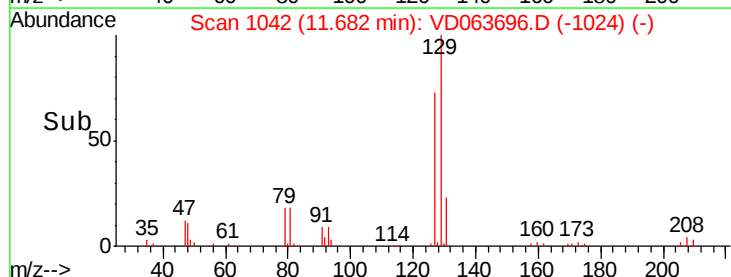
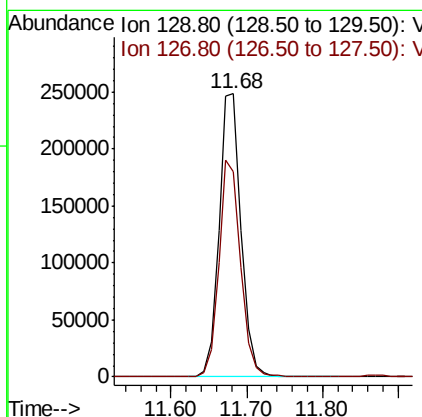
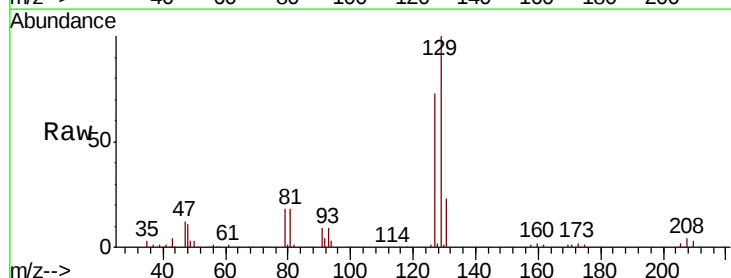
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

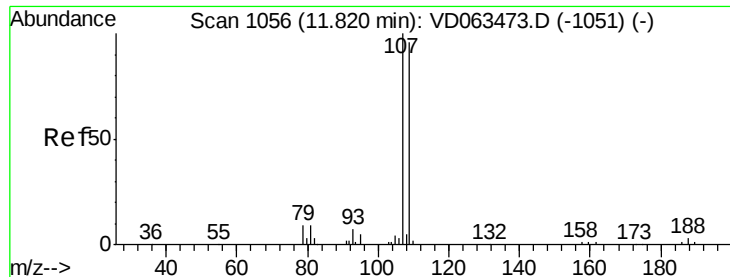
Tgt Ion: 43 Resp: 836005
Ion Ratio Lower Upper
43 100
58 43.1 23.1 69.2



#60
Dibromochloromethane
Concen: 53.231 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. -0.02 min
Lab File: VD063696.D
Acq: 20 Aug 2019 20:29

Tgt Ion: 129 Resp: 501638
Ion Ratio Lower Upper
129 100
127 72.6 37.8 113.4





#61

1,2-Dibromoethane

Concen: 51.753 ug/l

RT: 11.80 min Scan# 1054

Delta R.T. -0.02 min

Lab File: VD063696.D

Acq: 20 Aug 2019 20:29

Instrument :

MSVOA_D

ClientSampleId :

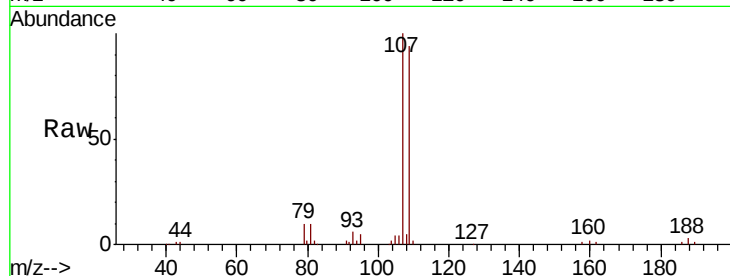
VSTDCCC050EC

Tgt Ion: 107 Resp: 324462

Ion Ratio Lower Upper

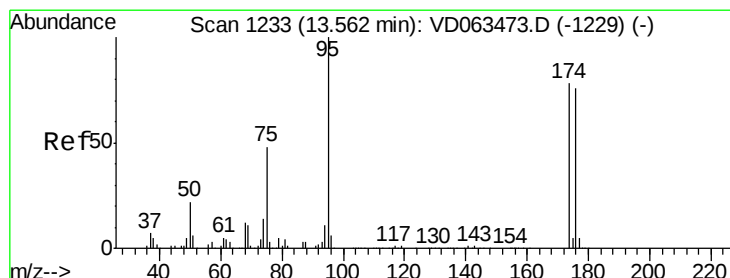
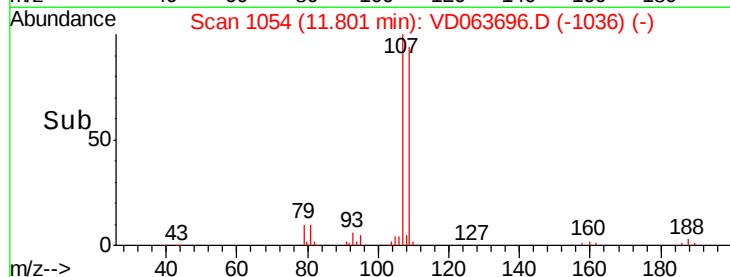
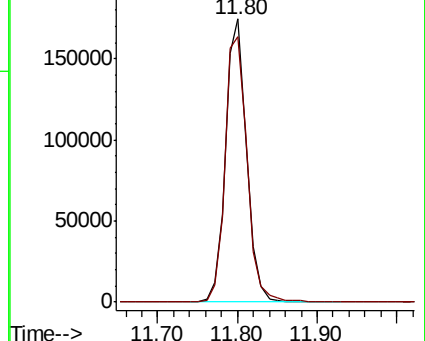
107 100

109 93.7 76.8 115.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 52.167 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.01 min

Lab File: VD063696.D

Acq: 20 Aug 2019 20:29

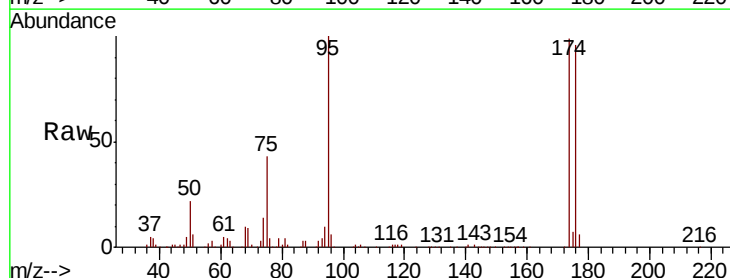
Tgt Ion: 95 Resp: 535666

Ion Ratio Lower Upper

95 100

174 98.7 0.0 155.4

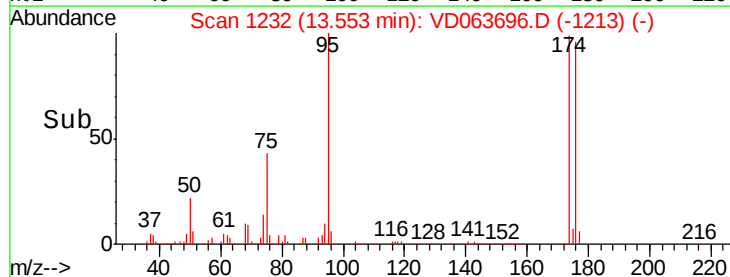
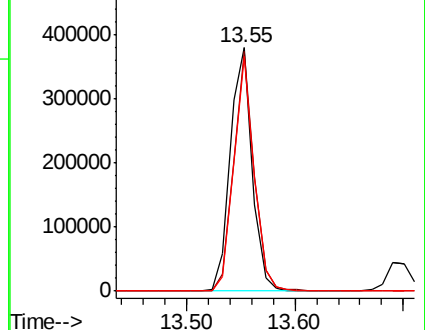
176 96.2 0.0 152.4



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

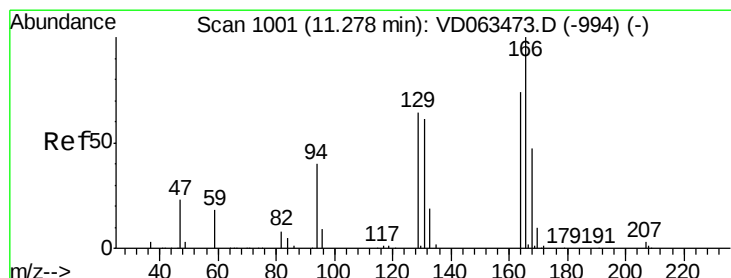
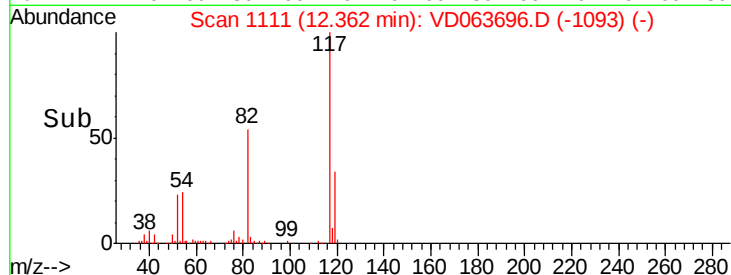
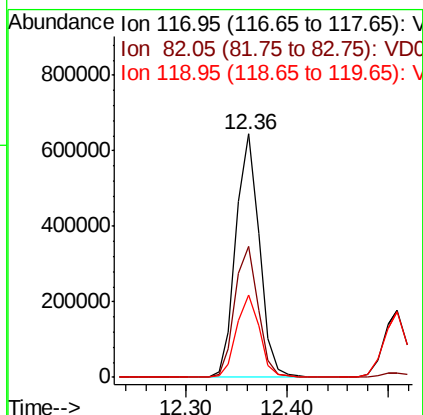
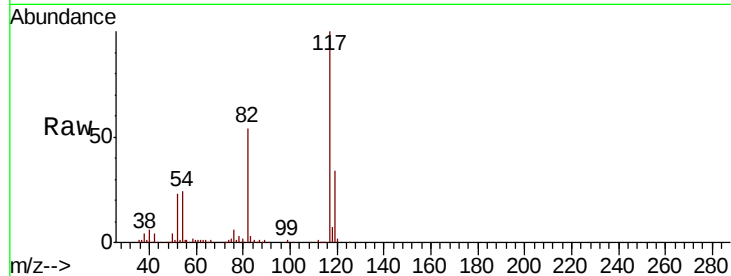




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.02 min
Lab File: VD063696.D
Acq: 20 Aug 2019 20:29

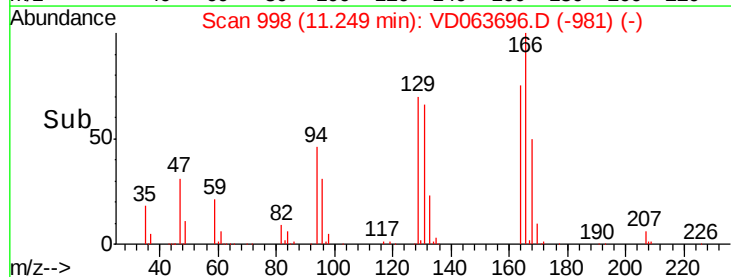
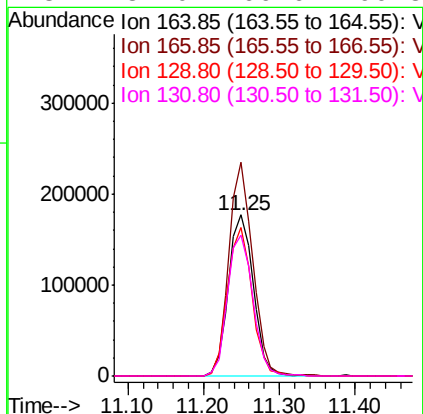
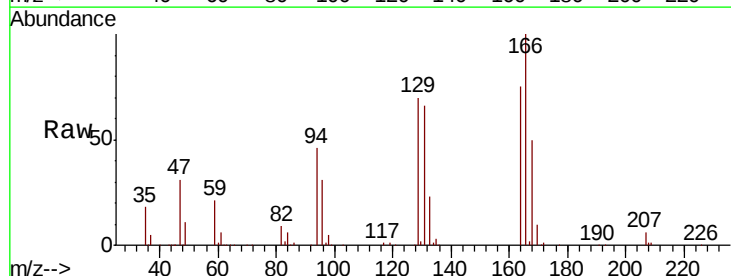
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

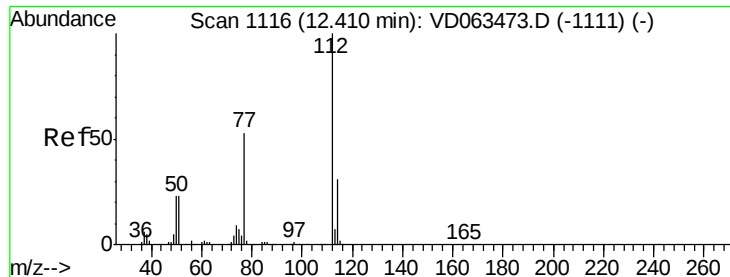
Tgt Ion:117 Resp: 1044580
Ion Ratio Lower Upper
117 100
82 53.9 42.0 63.0
119 33.9 25.4 38.0



#64
Tetrachloroethene
Concen: 50.042 ug/l
RT: 11.25 min Scan# 998
Delta R.T. -0.03 min
Lab File: VD063696.D
Acq: 20 Aug 2019 20:29

Tgt Ion:164 Resp: 403530
Ion Ratio Lower Upper
164 100
166 132.6 108.6 163.0
129 92.3 69.0 103.6
131 87.0 66.6 99.8

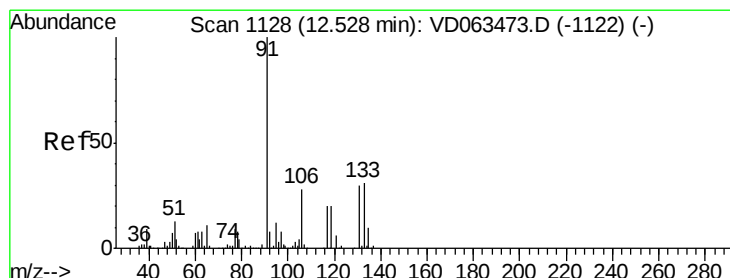
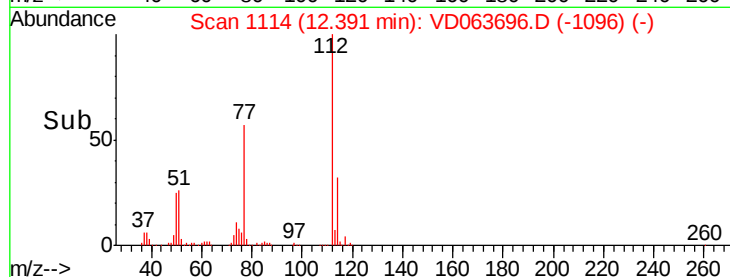
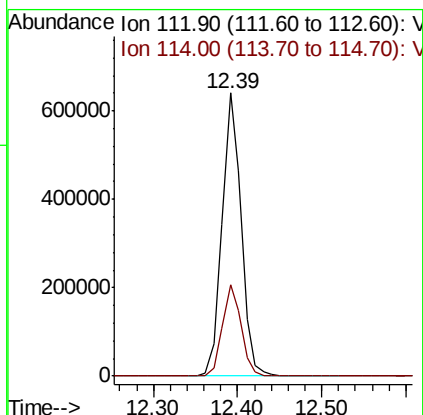
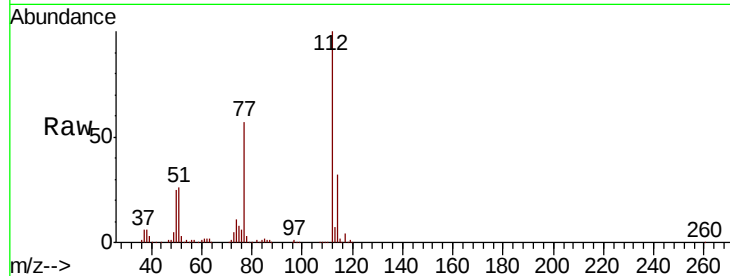




#65
Chlorobenzene
Concen: 51.280 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. -0.02 min
Lab File: VD063696.D
Acq: 20 Aug 2019 20:29

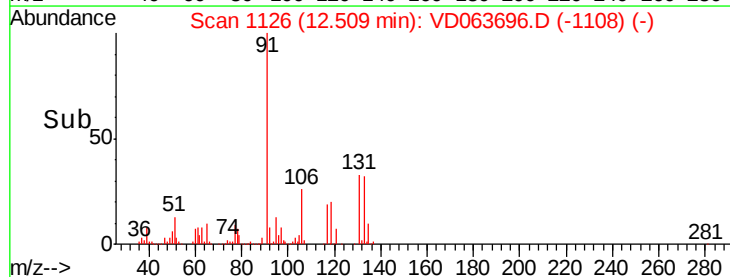
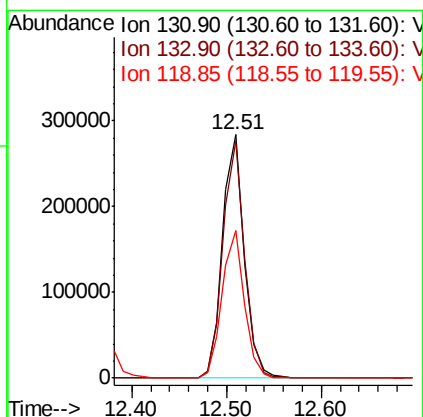
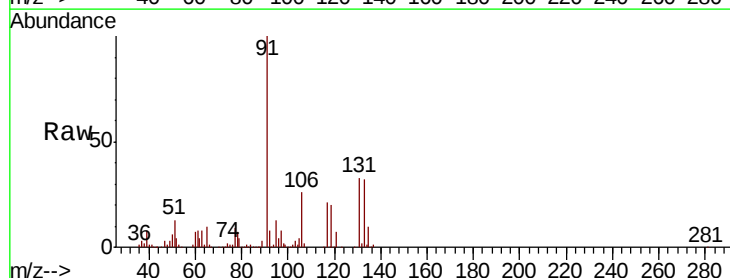
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

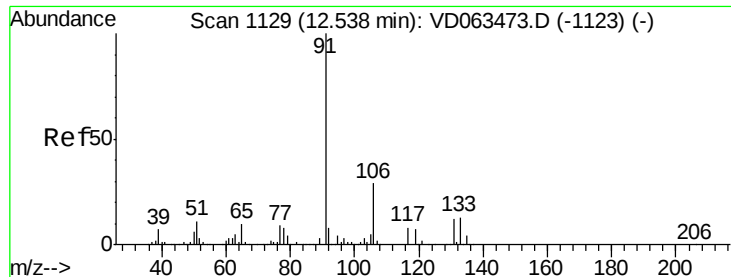
Tgt Ion:112 Resp: 1003960
Ion Ratio Lower Upper
112 100
114 32.2 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 52.252 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.02 min
Lab File: VD063696.D
Acq: 20 Aug 2019 20:29

Tgt Ion:131 Resp: 450216
Ion Ratio Lower Upper
131 100
133 97.6 51.1 153.3
119 60.9 33.1 99.3

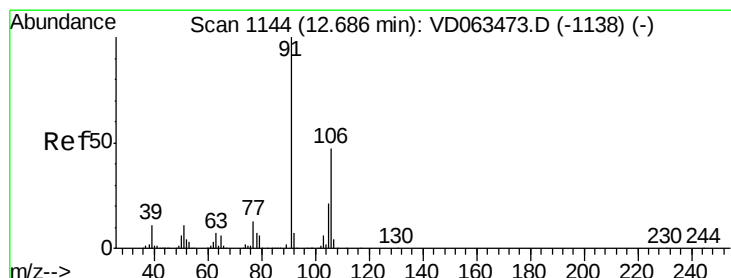
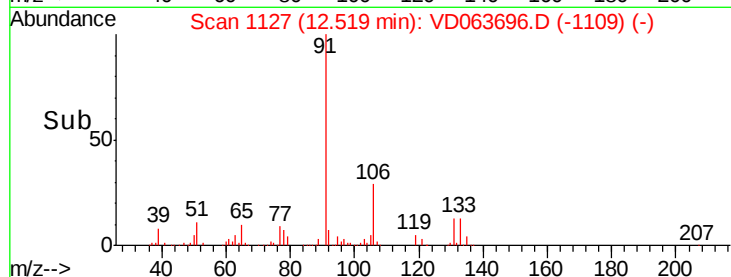
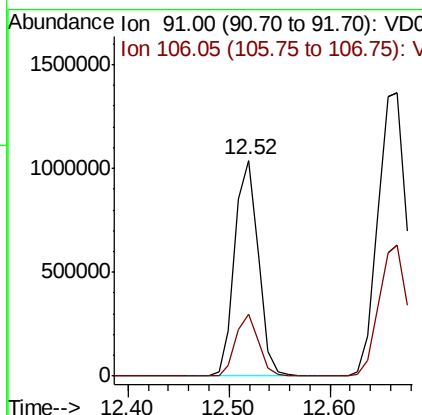
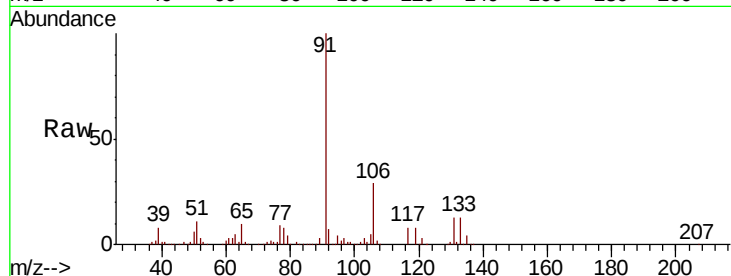




#67
Ethyl Benzene
Concen: 49.635 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.02 min
Lab File: VD063696.D
Acq: 20 Aug 2019 20:29

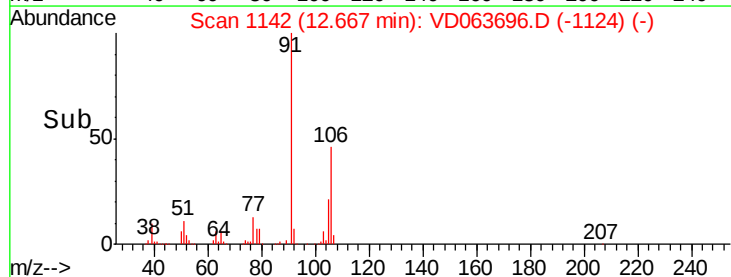
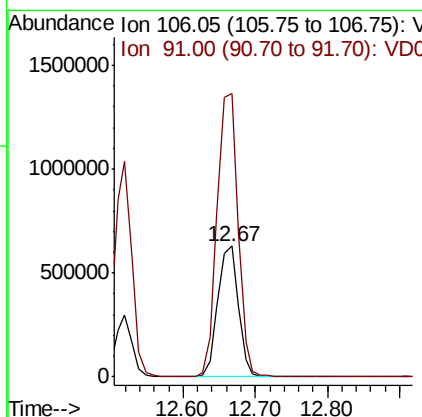
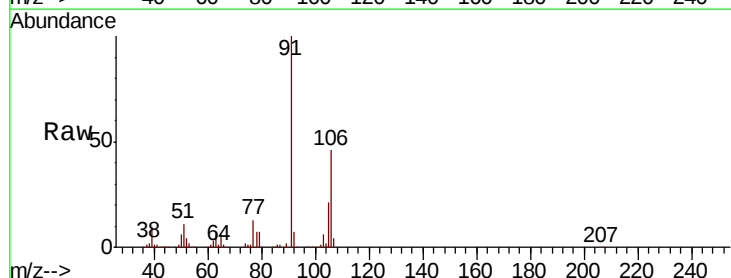
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

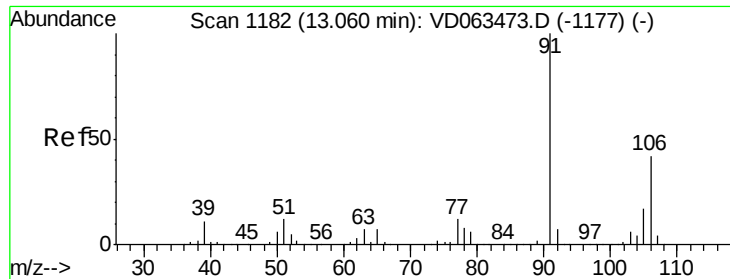
Tgt Ion: 91 Resp: 1689651
Ion Ratio Lower Upper
91 100
106 28.6 23.1 34.7



#68
m/p-Xylenes
Concen: 103.431 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. -0.02 min
Lab File: VD063696.D
Acq: 20 Aug 2019 20:29

Tgt Ion: 106 Resp: 1237011
Ion Ratio Lower Upper
106 100
91 216.7 171.8 257.8

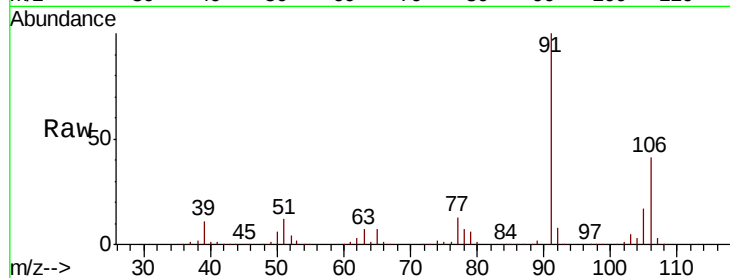




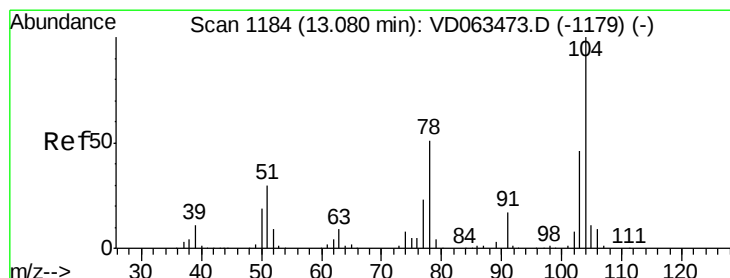
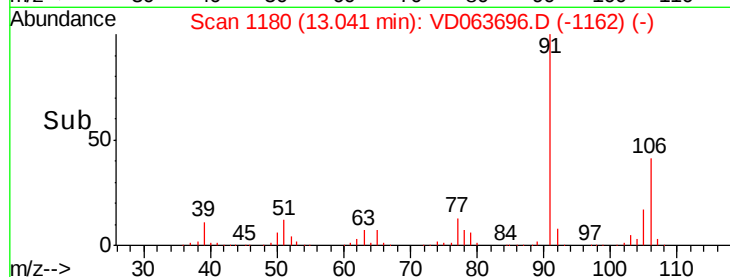
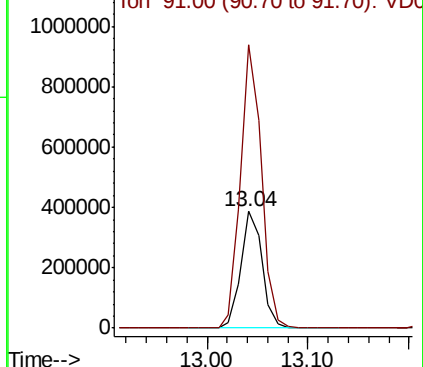
#69
o-Xylene
Concen: 49.463 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.02 min
Lab File: VD063696.D
Acq: 20 Aug 2019 20:29

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 569357
Ion Ratio Lower Upper
106 100
91 242.2 118.1 354.2

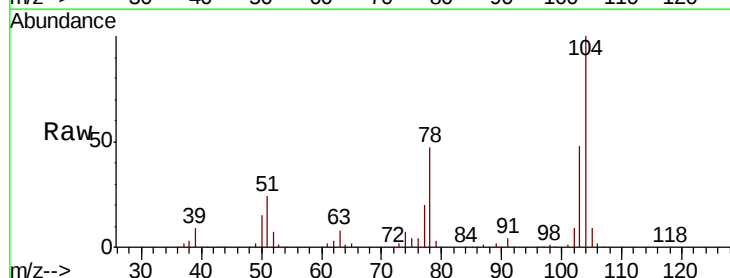


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

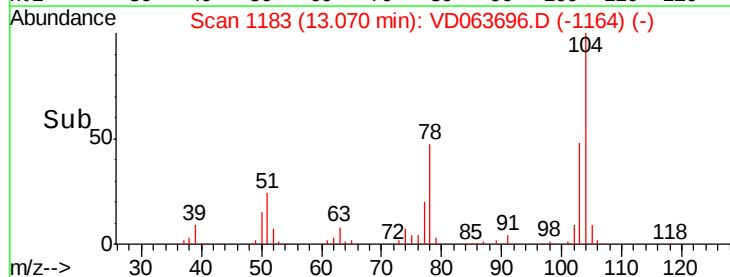
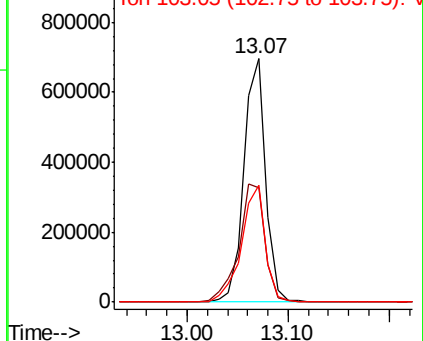


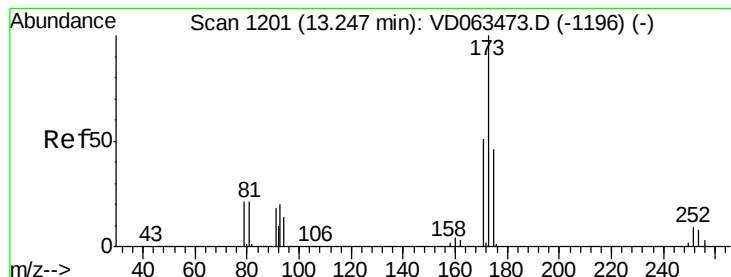
#70
Styrene
Concen: 50.923 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.01 min
Lab File: VD063696.D
Acq: 20 Aug 2019 20:29

Tgt Ion:104 Resp: 1042665
Ion Ratio Lower Upper
104 100
78 46.7 40.8 61.2
103 47.8 36.4 54.6



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





#71

Bromoform

Concen: 52.696 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. -0.02 min

Lab File: VD063696.D

Acq: 20 Aug 2019 20:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

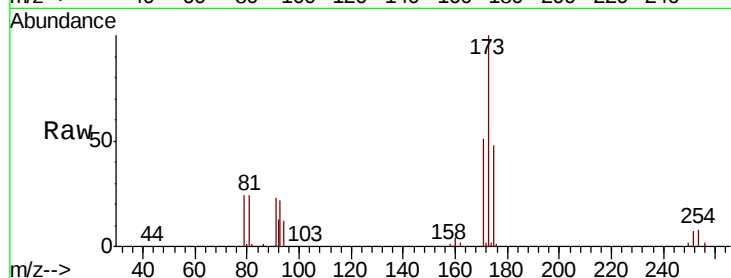
Tgt Ion:173 Resp: 311329

Ion Ratio Lower Upper

173 100

175 48.2 22.8 68.3

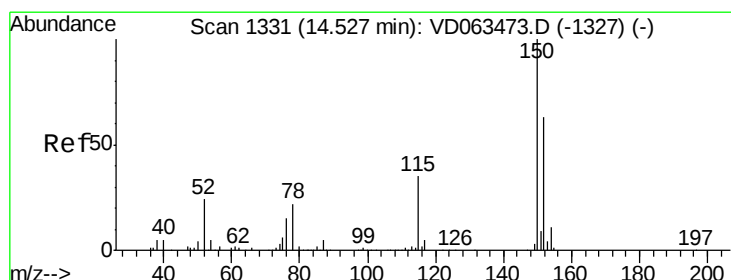
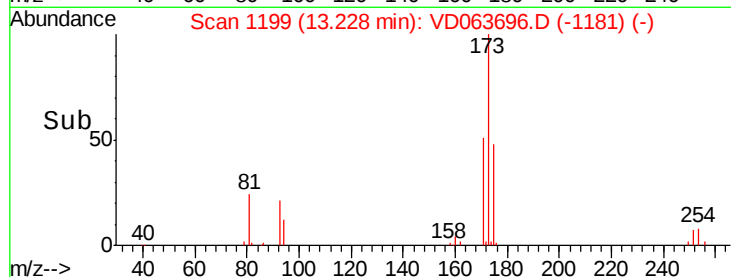
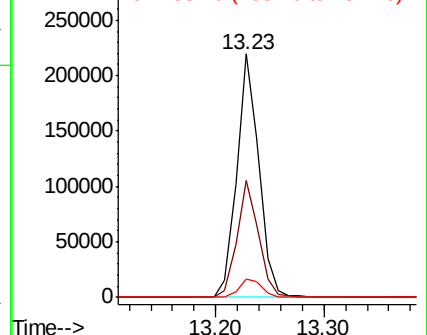
254 7.7 6.6 9.8



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. -0.01 min

Lab File: VD063696.D

Acq: 20 Aug 2019 20:29

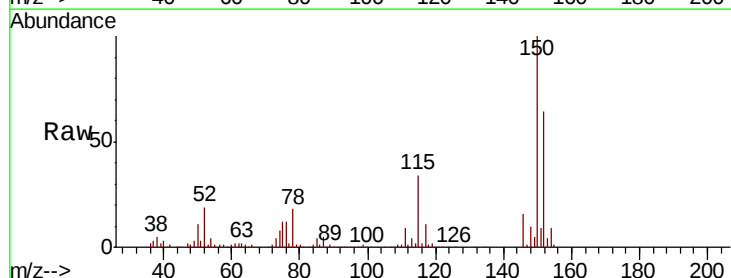
Tgt Ion:152 Resp: 561313

Ion Ratio Lower Upper

152 100

115 52.4 30.9 92.7

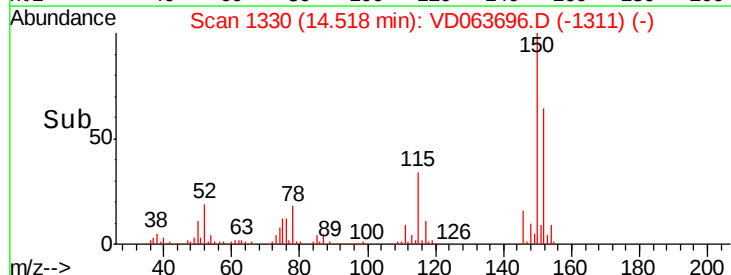
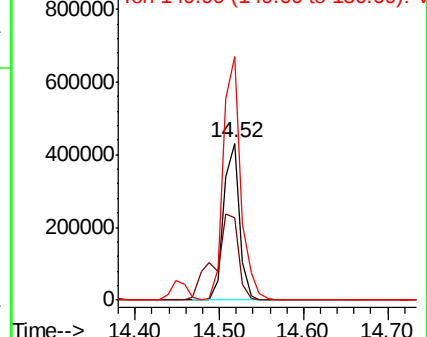
150 155.5 0.0 318.6



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: 47.138 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. -0.02 min

Lab File: VD063696.D

Acq: 20 Aug 2019 20:29

Instrument :

MSVOA_D

ClientSampleId :

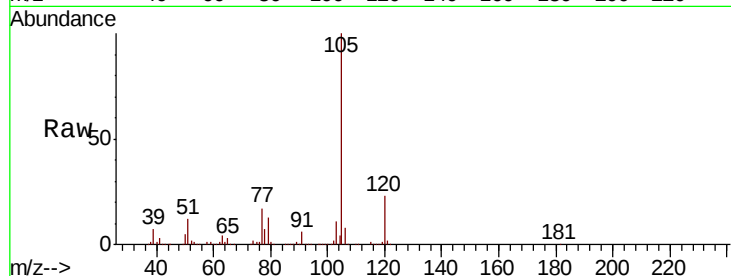
VSTDCCC050EC

Tgt Ion:105 Resp: 1682964

Ion Ratio Lower Upper

105 100

120 23.1 11.9 35.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

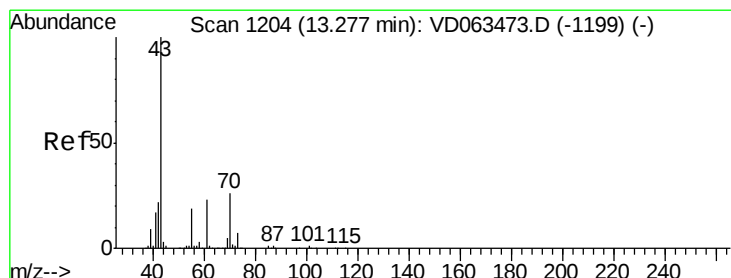
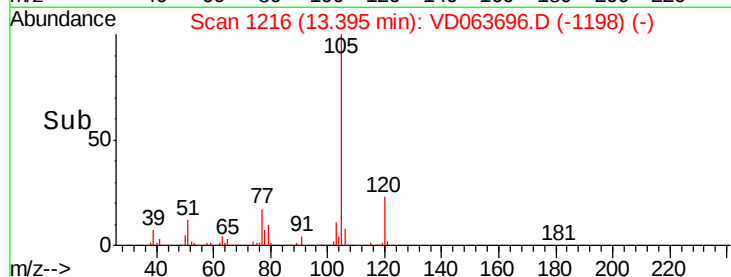
13.40

1000000

500000

0

Time--> 13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 52.410 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.02 min

Lab File: VD063696.D

Acq: 20 Aug 2019 20:29

Tgt Ion: 43 Resp: 469722

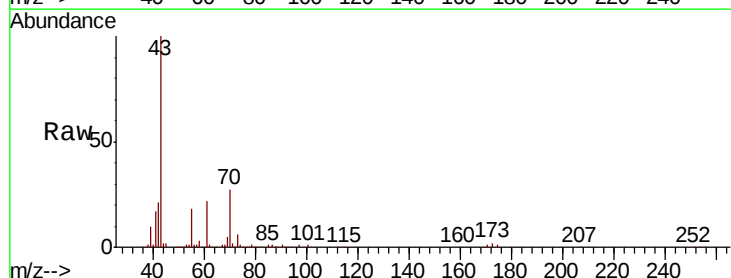
Ion Ratio Lower Upper

43 100

70 27.4 21.1 31.7

55 18.3 15.4 23.0

61 21.8 18.2 27.2



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

500000

400000

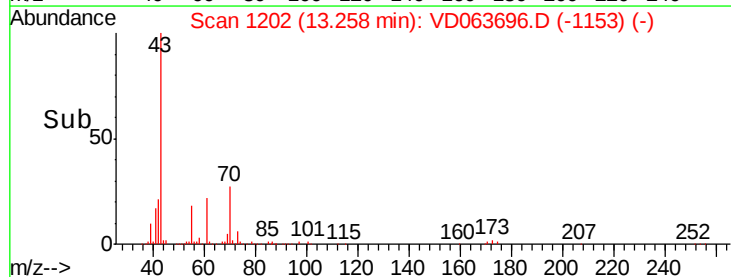
300000

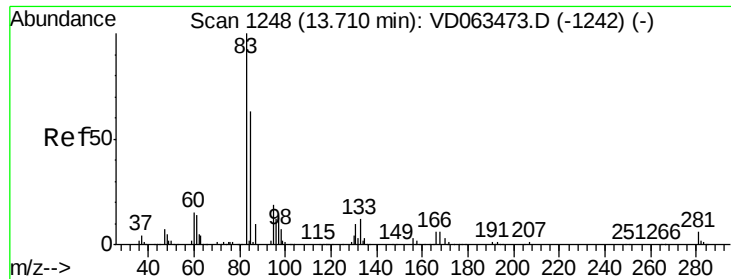
200000

100000

0

Time--> 13.20 13.30 13.40





#75

1,1,2,2-Tetrachloroethane

Concen: 56.337 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. -0.02 min

Lab File: VD063696.D

Acq: 20 Aug 2019 20:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

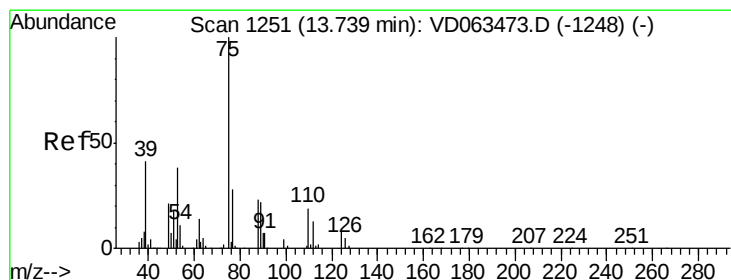
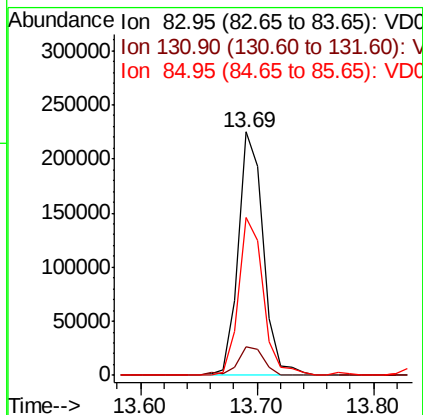
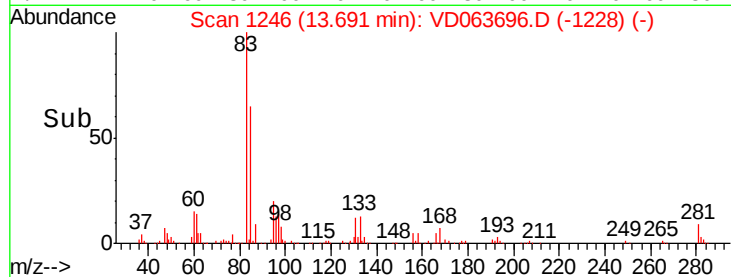
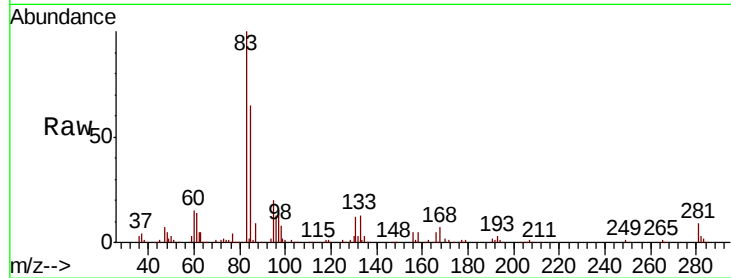
Tgt Ion: 83 Resp: 333854

Ion Ratio Lower Upper

83 100

131 11.9 5.3 15.8

85 64.7 31.4 94.3



#76

1,2,3-Trichloropropane

Concen: 54.087 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.01 min

Lab File: VD063696.D

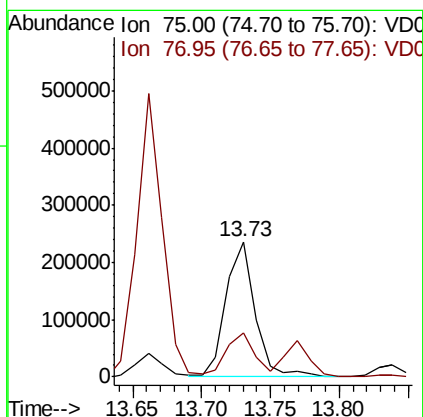
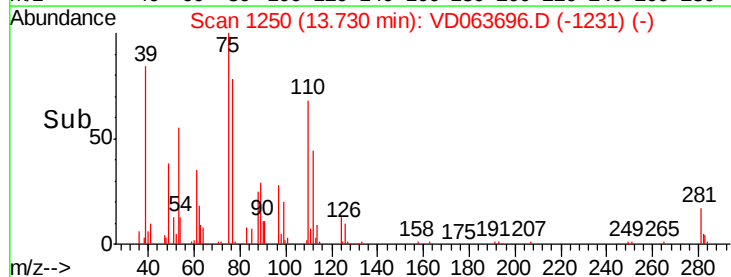
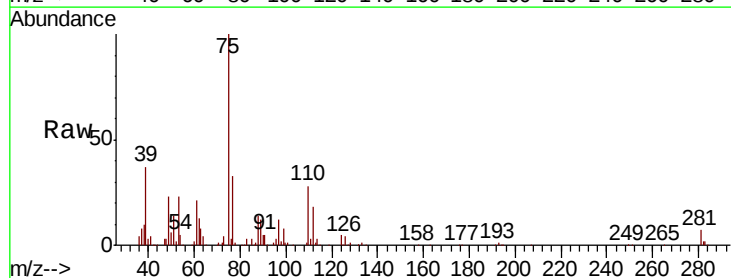
Acq: 20 Aug 2019 20:29

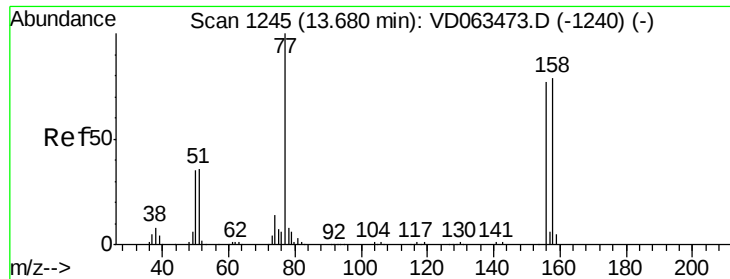
Tgt Ion: 75 Resp: 348429

Ion Ratio Lower Upper

75 100

77 32.9 15.1 45.3





#77

Bromobenzene

Concen: 51.434 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. -0.02 min

Lab File: VD063696.D

Acq: 20 Aug 2019 20:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

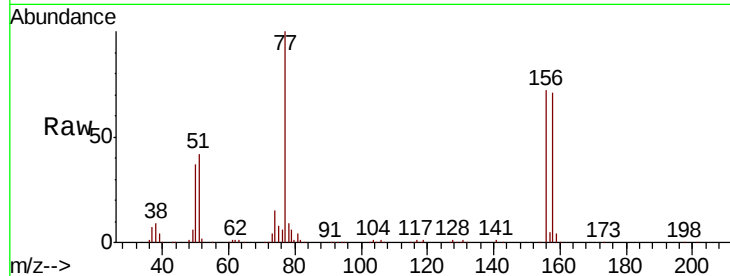
Tgt Ion:156 Resp: 501873

Ion Ratio Lower Upper

156 100

77 139.1 64.6 193.8

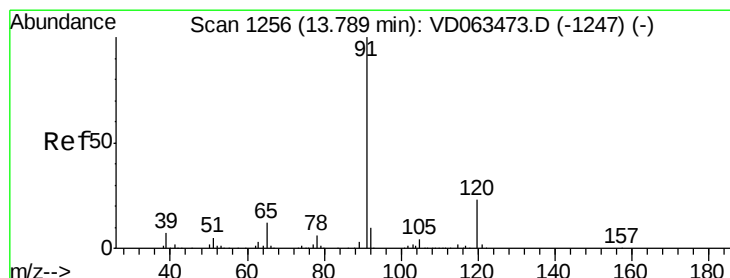
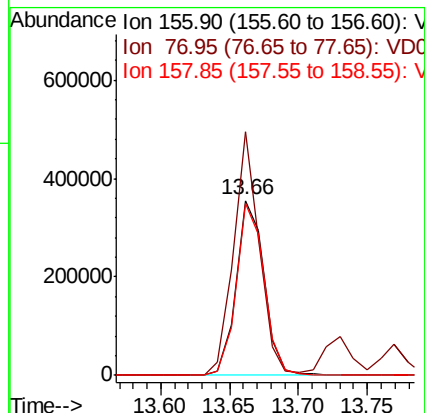
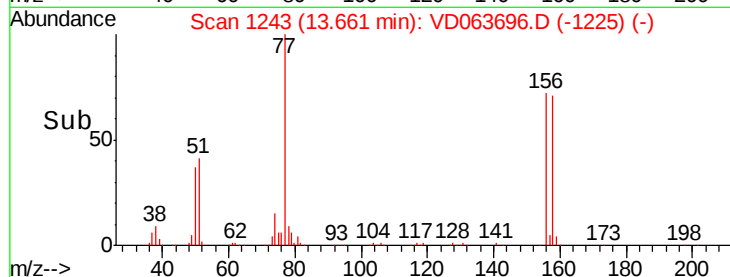
158 98.3 50.9 152.7



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: 49.357 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.02 min

Lab File: VD063696.D

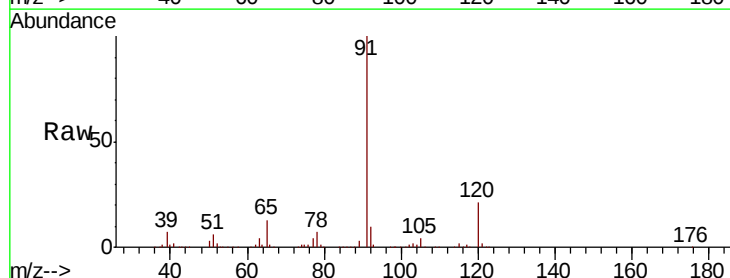
Acq: 20 Aug 2019 20:29

Tgt Ion: 91 Resp: 2061809

Ion Ratio Lower Upper

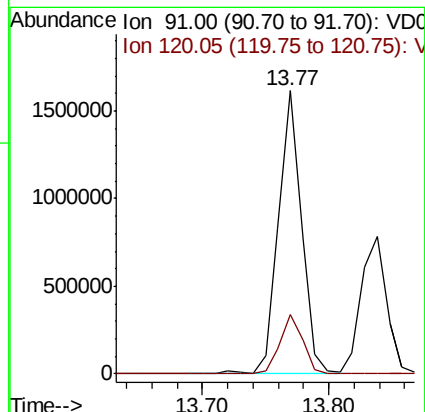
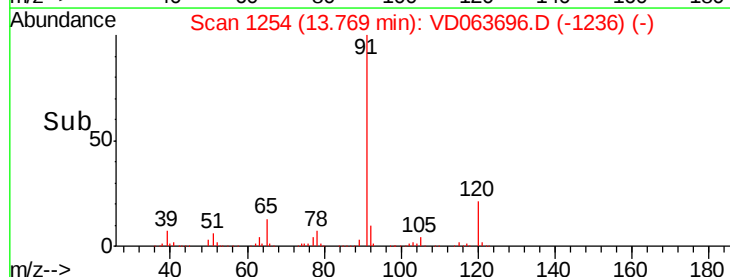
91 100

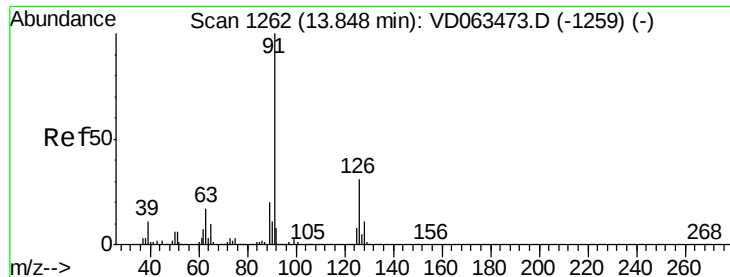
120 21.2 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

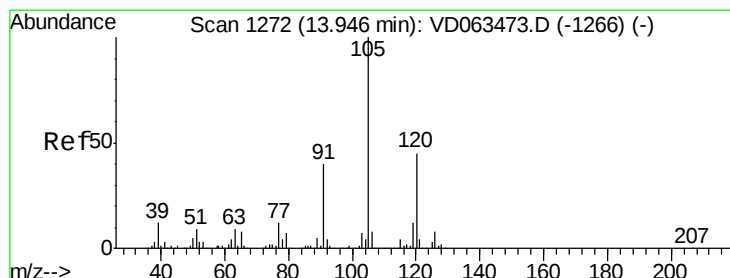
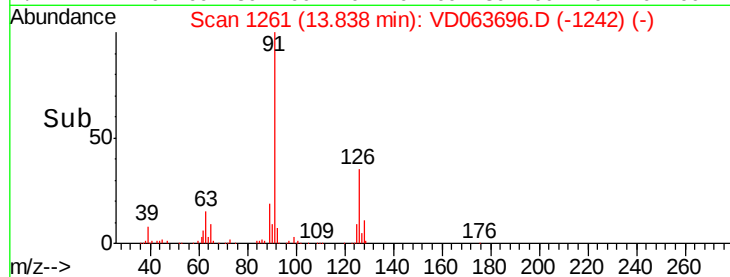
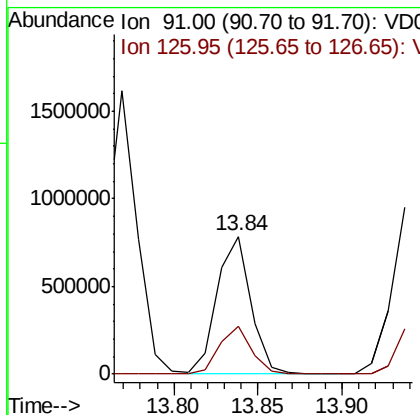
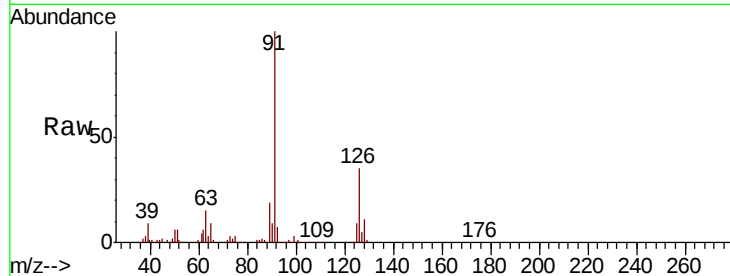




#79
 2-Chlorotoluene
 Concen: 45.413 ug/l
 RT: 13.84 min Scan# 1261
 Delta R.T. -0.01 min
 Lab File: VD063696.D
 Acq: 20 Aug 2019 20:29

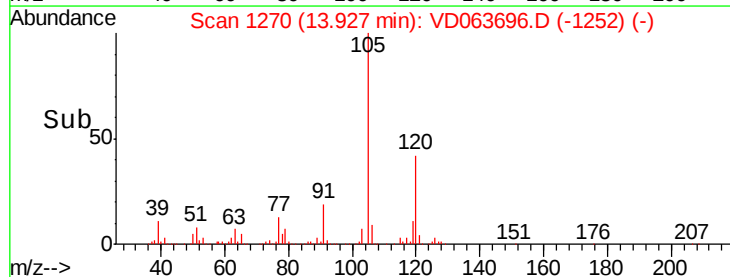
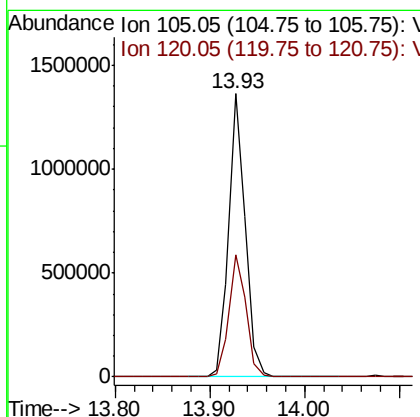
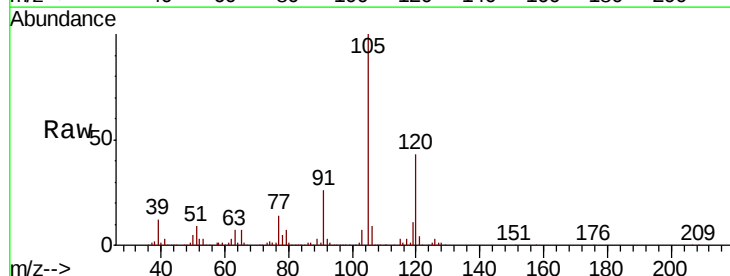
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

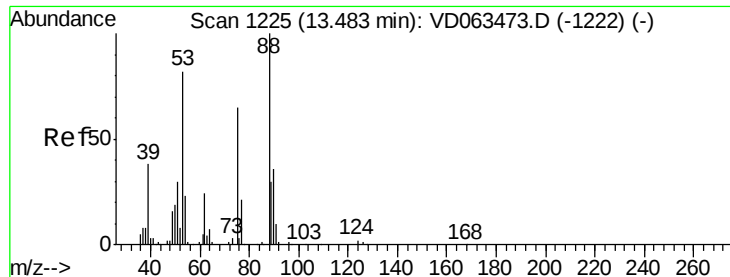
Tgt Ion: 91 Resp: 1093800
 Ion Ratio Lower Upper
 91 100
 126 35.0 15.6 46.7



#80
 1,3,5-Trimethylbenzene
 Concen: 52.862 ug/l
 RT: 13.93 min Scan# 1270
 Delta R.T. -0.02 min
 Lab File: VD063696.D
 Acq: 20 Aug 2019 20:29

Tgt Ion: 105 Resp: 1649016
 Ion Ratio Lower Upper
 105 100
 120 42.9 22.8 68.3

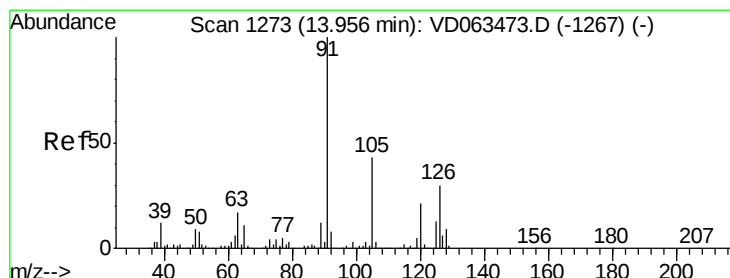
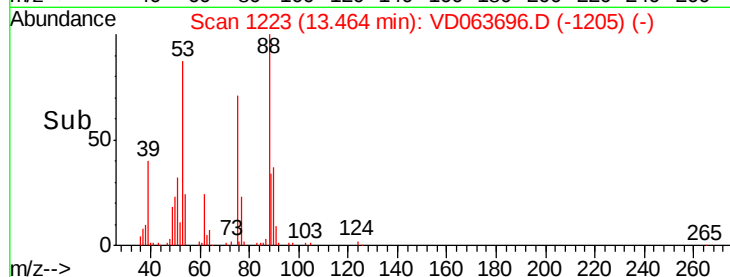
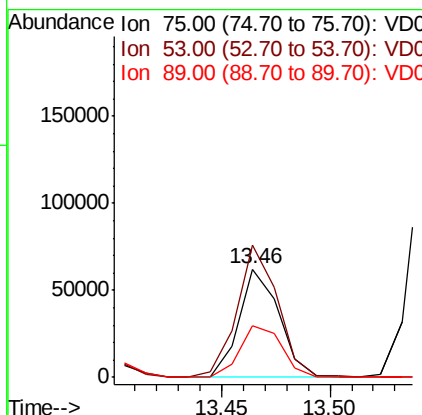
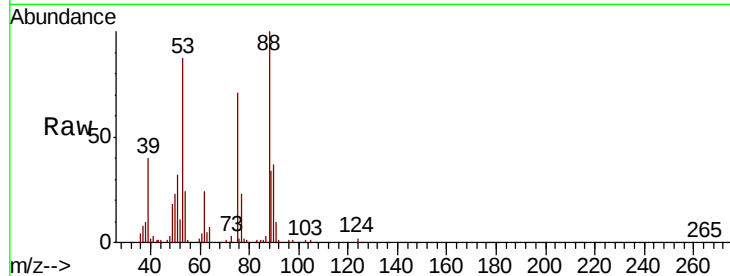




#81
trans-1,4-Dichloro-2-butene
Concen: 46.812 ug/l
RT: 13.46 min Scan# 1223
Delta R.T. -0.02 min
Lab File: VD063696.D
Acq: 20 Aug 2019 20:29

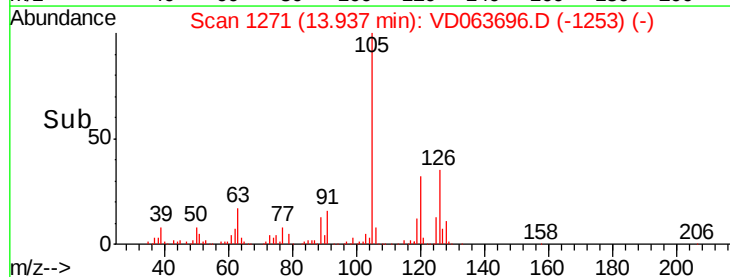
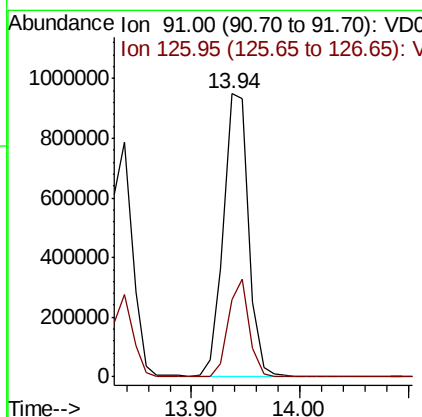
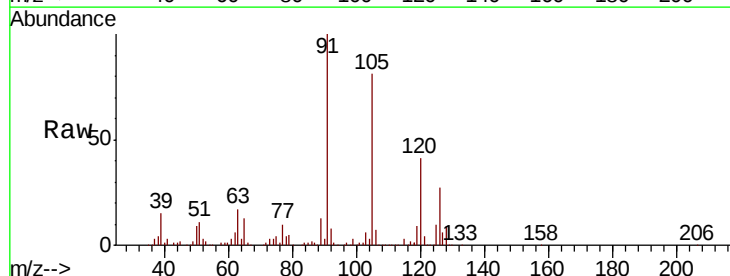
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

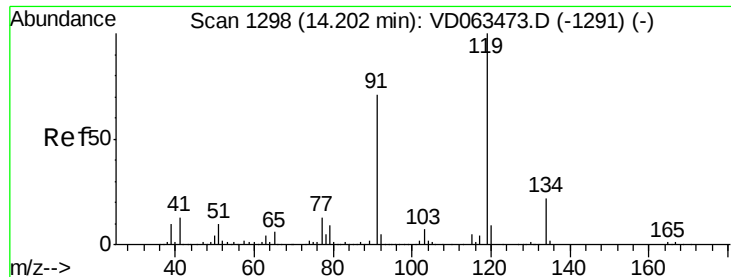
Tgt Ion: 75 Resp: 81052
Ion Ratio Lower Upper
75 100
53 121.4 101.0 151.4
89 47.4 37.0 55.6



#82
4-Chlorotoluene
Concen: 53.108 ug/l
RT: 13.94 min Scan# 1271
Delta R.T. -0.02 min
Lab File: VD063696.D
Acq: 20 Aug 2019 20:29

Tgt Ion: 91 Resp: 1538167
Ion Ratio Lower Upper
91 100
126 27.5 15.2 45.6

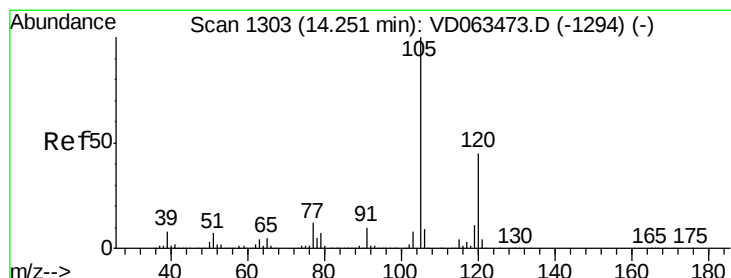
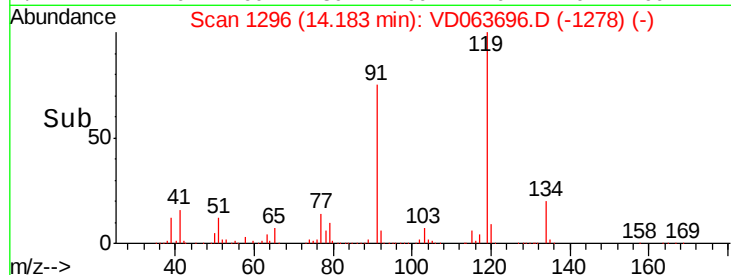
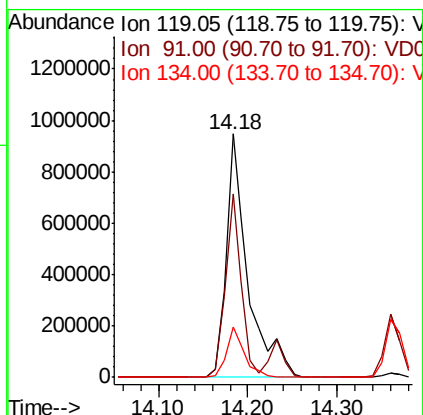
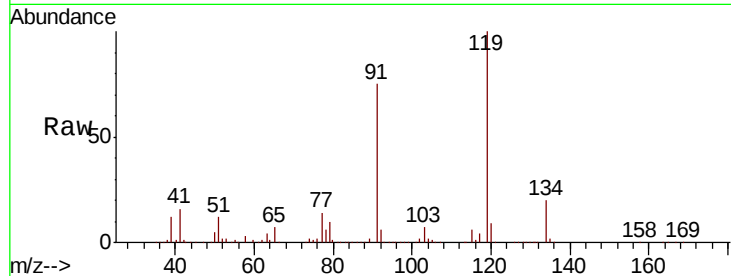




#83
 tert-Butylbenzene
 Concen: 49.392 ug/l
 RT: 14.18 min Scan# 1296
 Delta R.T. -0.02 min
 Lab File: VD063696.D
 Acq: 20 Aug 2019 20:29

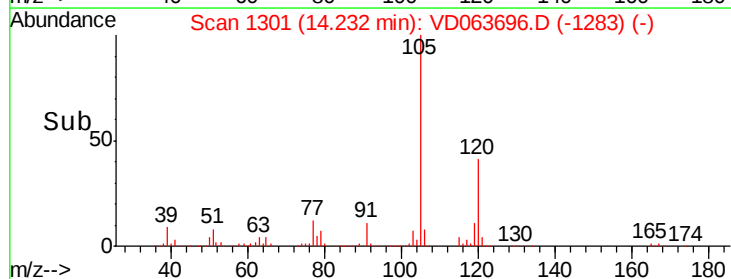
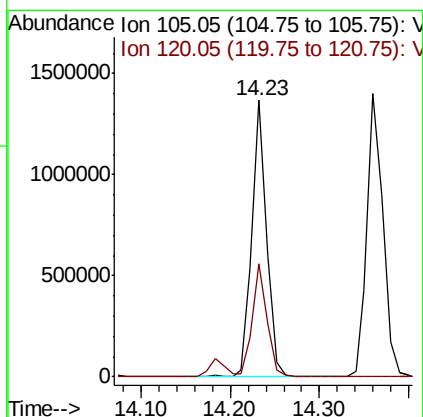
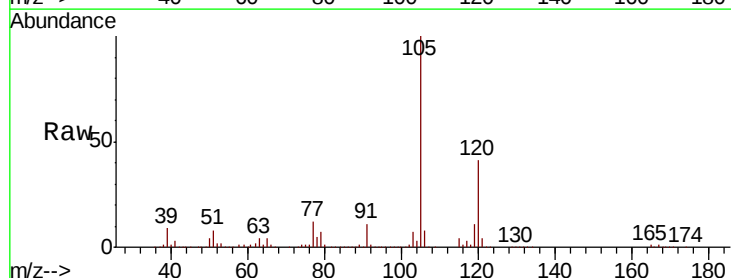
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

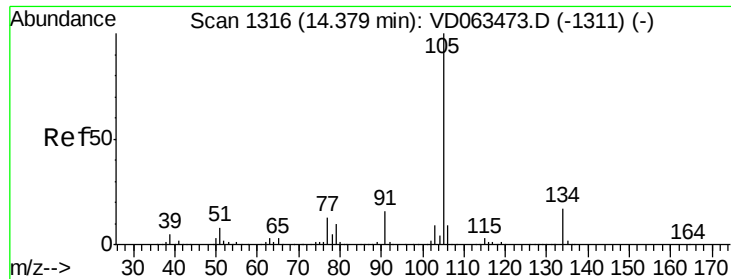
Tgt Ion:119 Resp: 1622496
 Ion Ratio Lower Upper
 119 100
 91 75.2 35.5 106.7
 134 20.4 11.1 33.1



#84
 1,2,4-Trimethylbenzene
 Concen: 54.076 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. -0.02 min
 Lab File: VD063696.D
 Acq: 20 Aug 2019 20:29

Tgt Ion:105 Resp: 1560828
 Ion Ratio Lower Upper
 105 100
 120 40.8 22.7 68.1

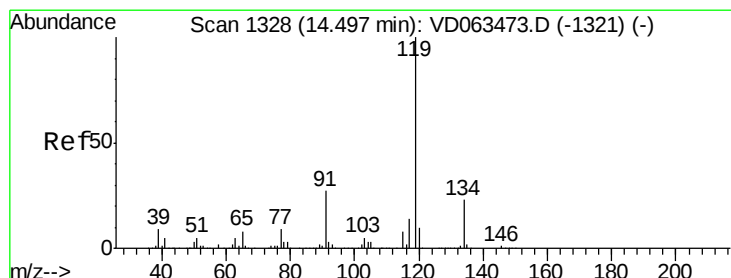
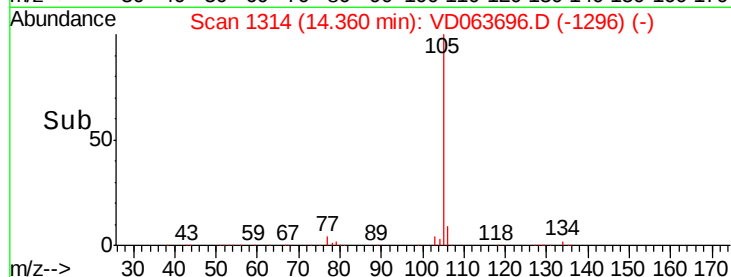
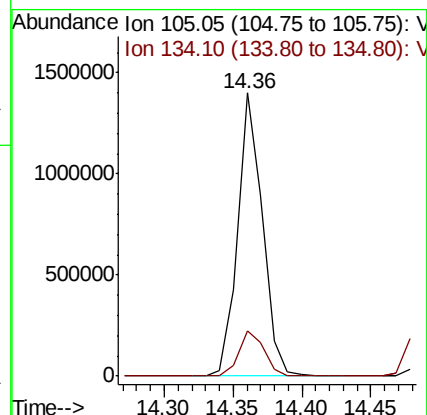
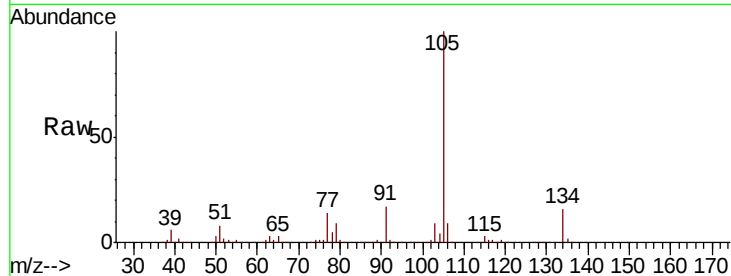




#85
 sec-Butylbenzene
 Concen: 50.004 ug/l
 RT: 14.36 min Scan# 1314
 Delta R.T. -0.02 min
 Lab File: VD063696.D
 Acq: 20 Aug 2019 20:29

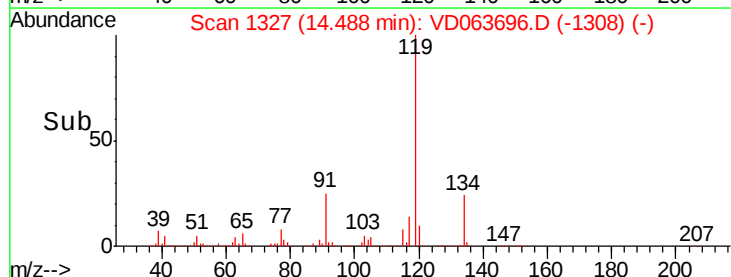
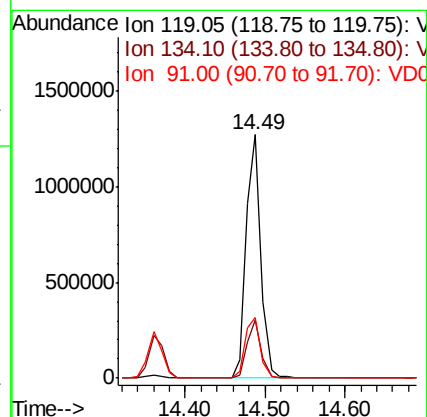
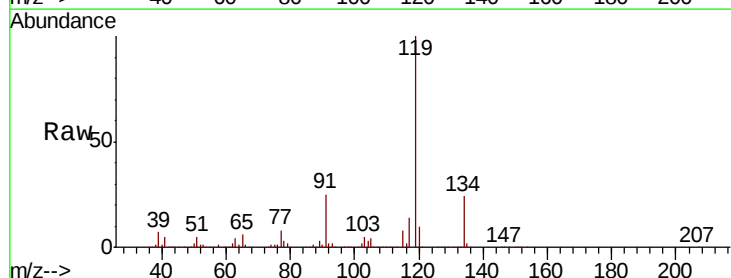
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

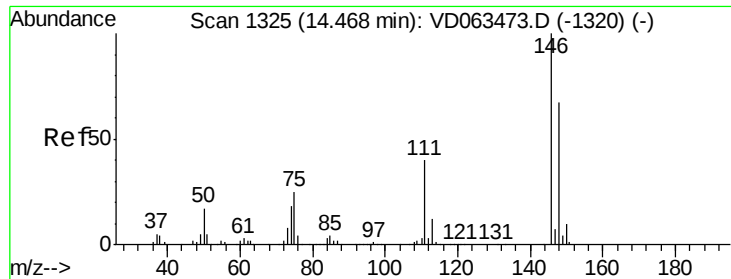
Tgt Ion:105 Resp: 1744384
 Ion Ratio Lower Upper
 105 100
 134 16.0 8.3 24.8



#86
 p-Isopropyltoluene
 Concen: 49.006 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. -0.01 min
 Lab File: VD063696.D
 Acq: 20 Aug 2019 20:29

Tgt Ion:119 Resp: 1634610
 Ion Ratio Lower Upper
 119 100
 134 23.6 11.3 33.8
 91 25.0 13.5 40.4

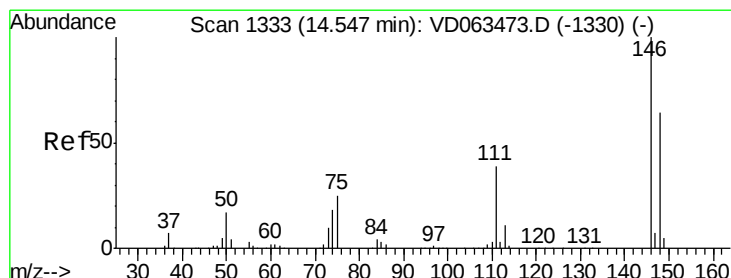
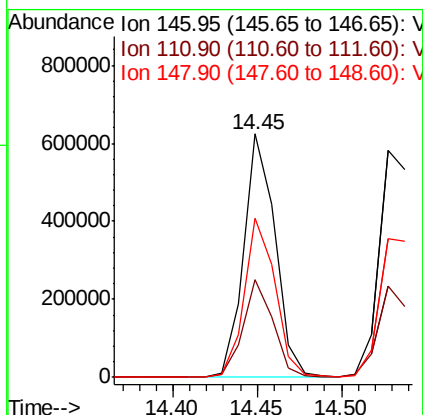
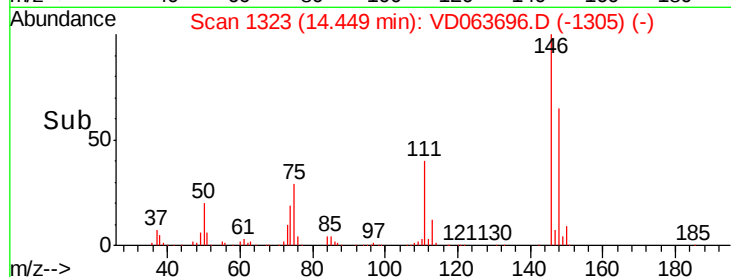
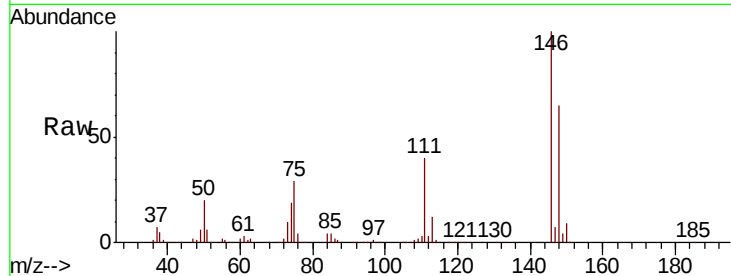




#87
 1,3-Dichlorobenzene
 Concen: 45.891 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.02 min
 Lab File: VD063696.D
 Acq: 20 Aug 2019 20:29

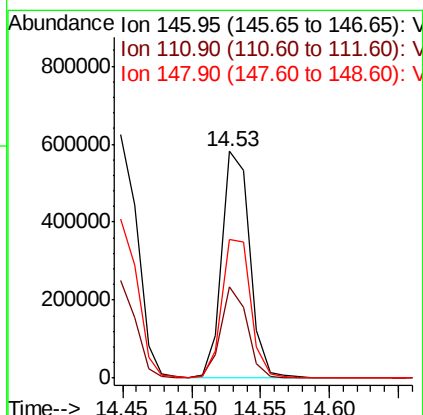
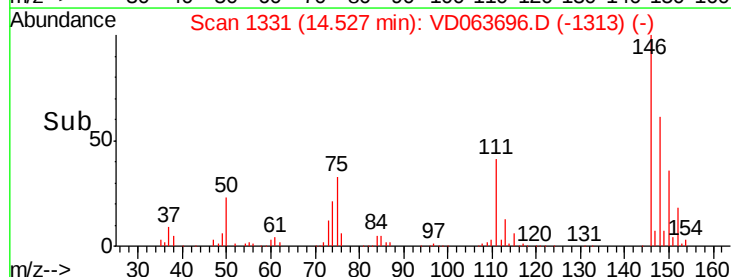
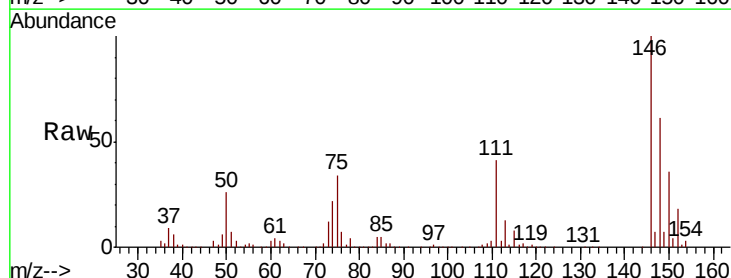
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

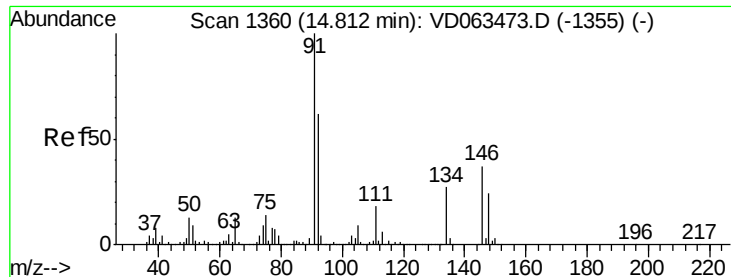
Tgt Ion:146 Resp: 809958
 Ion Ratio Lower Upper
 146 100
 111 40.3 20.0 60.0
 148 65.2 33.6 100.6



#88
 1,4-Dichlorobenzene
 Concen: 48.067 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.02 min
 Lab File: VD063696.D
 Acq: 20 Aug 2019 20:29

Tgt Ion:146 Resp: 813945
 Ion Ratio Lower Upper
 146 100
 111 40.5 19.7 59.0
 148 61.4 32.1 96.3





#89

n-Butylbenzene

Concen: 47.843 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. -0.02 min

Lab File: VD063696.D

Acq: 20 Aug 2019 20:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

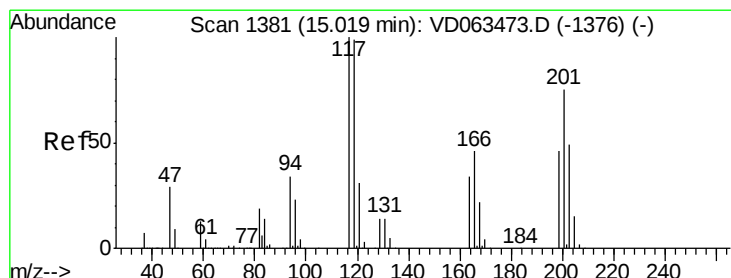
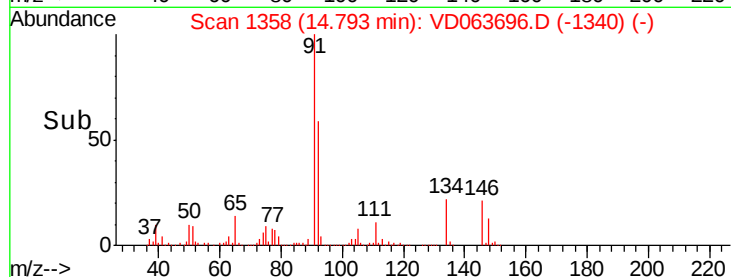
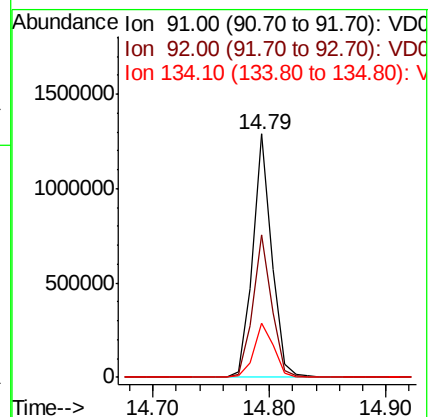
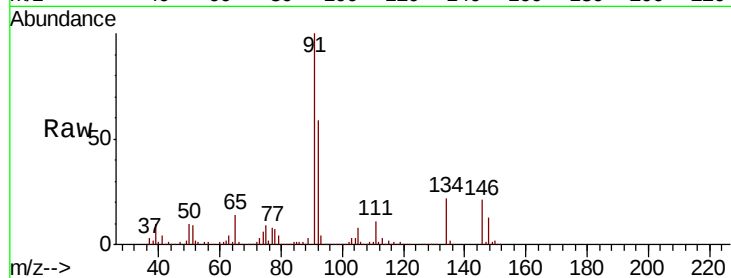
Tgt Ion: 91 Resp: 1456484

Ion Ratio Lower Upper

91 100

92 58.7 30.8 92.3

134 22.2 13.4 40.2



#90

Hexachloroethane

Concen: 51.068 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. -0.02 min

Lab File: VD063696.D

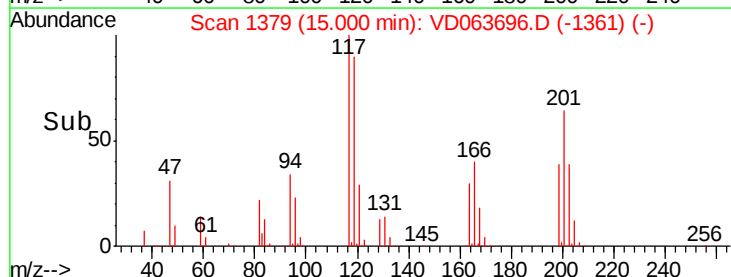
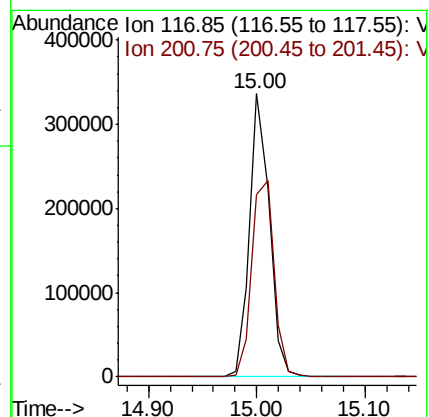
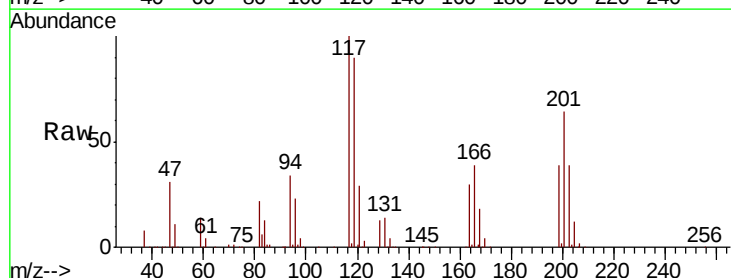
Acq: 20 Aug 2019 20:29

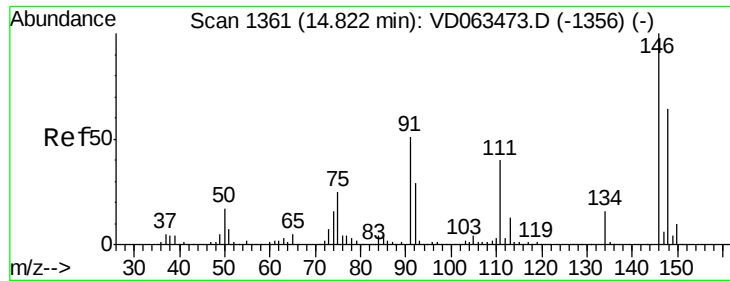
Tgt Ion: 117 Resp: 428140

Ion Ratio Lower Upper

117 100

201 64.2 37.5 112.5

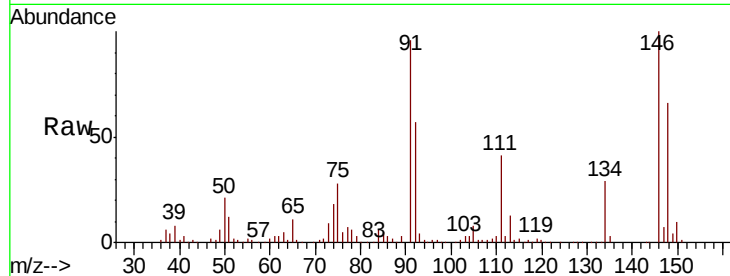




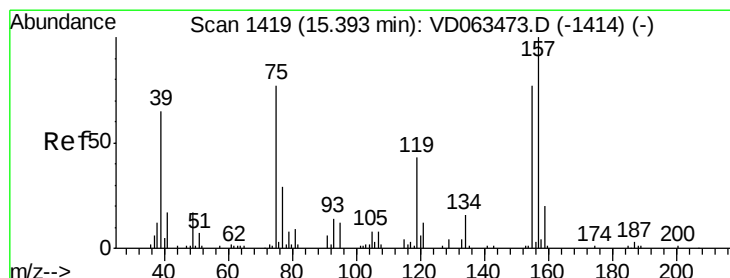
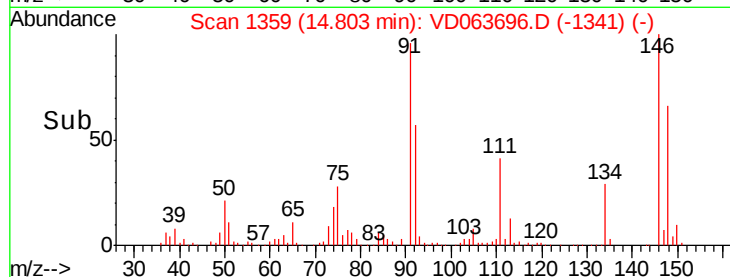
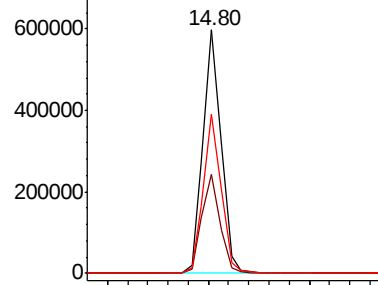
#91
 1,2-Dichlorobenzene
 Concen: 49.898 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. -0.02 min
 Lab File: VD063696.D
 Acq: 20 Aug 2019 20:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 146 Resp: 747203
 Ion Ratio Lower Upper
 146 100
 111 40.6 20.2 60.6
 148 65.6 32.1 96.5

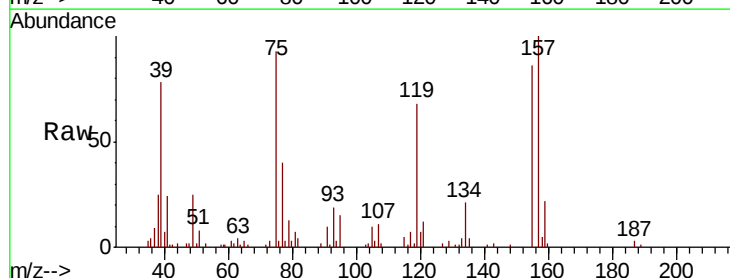


Abundance Ion 145.95 (145.65 to 146.65): V
 800000 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

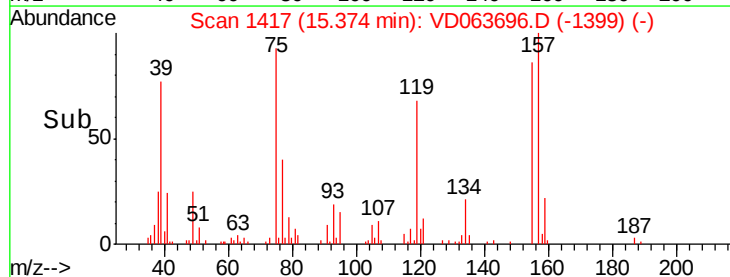
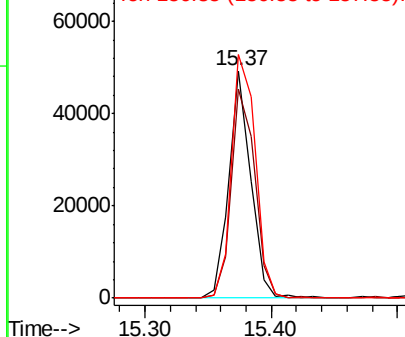


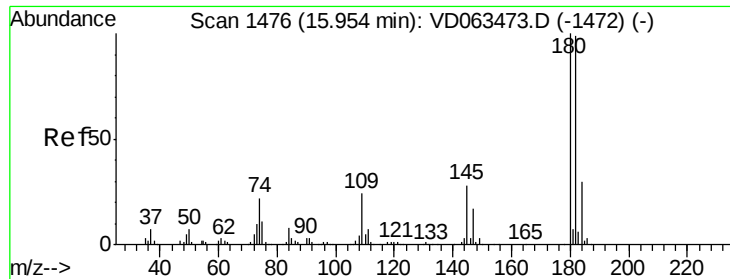
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.413 ug/l
 RT: 15.37 min Scan# 1417
 Delta R.T. -0.02 min
 Lab File: VD063696.D
 Acq: 20 Aug 2019 20:29

Tgt Ion: 75 Resp: 58484
 Ion Ratio Lower Upper
 75 100
 155 92.3 50.1 150.3
 157 107.2 65.0 195.1



Abundance Ion 75.00 (74.70 to 75.70): V
 60000 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V

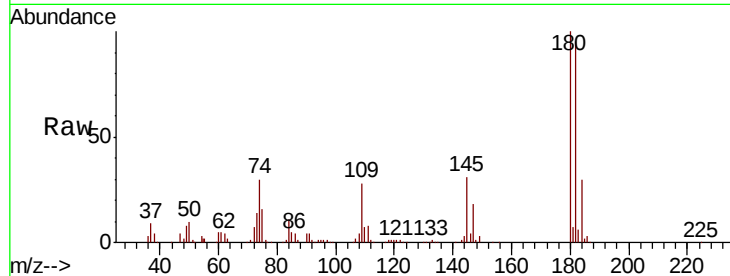




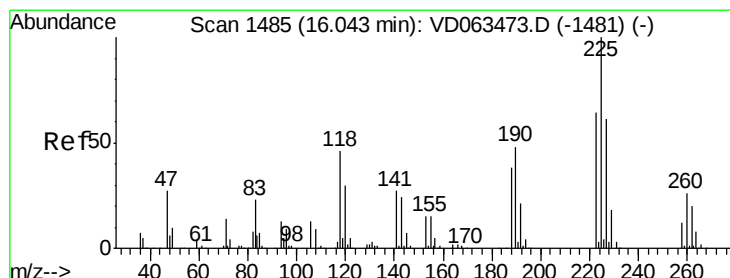
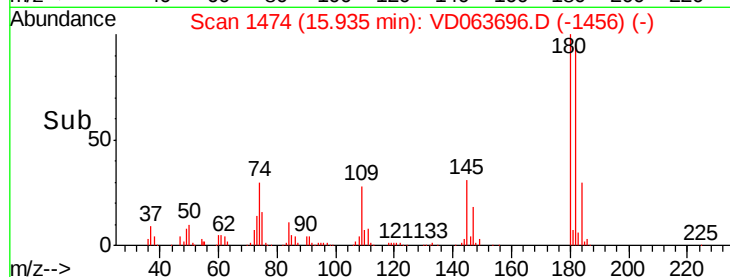
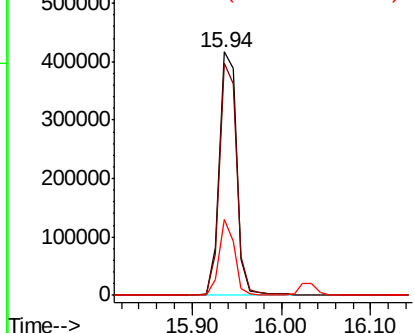
#93
 1,2,4-Trichlorobenzene
 Concen: 52.523 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.02 min
 Lab File: VD063696.D
 Acq: 20 Aug 2019 20:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:180 Resp: 578728
 Ion Ratio Lower Upper
 180 100
 182 95.3 49.7 149.1
 145 31.0 14.1 42.2

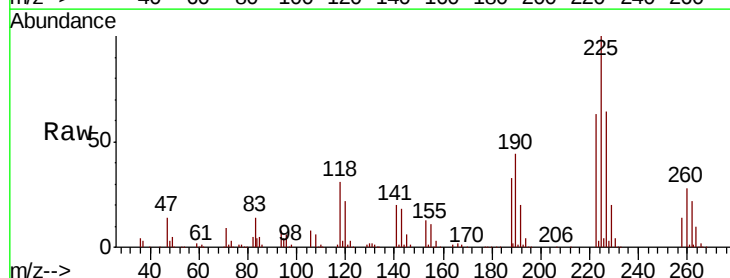


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

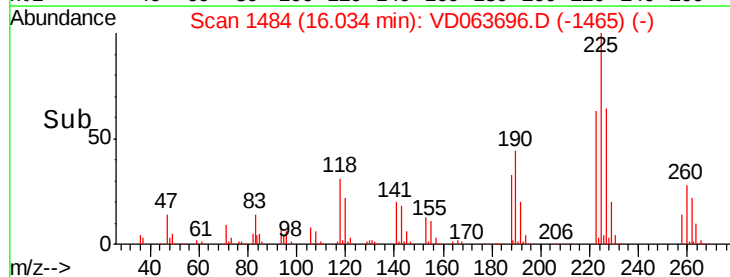
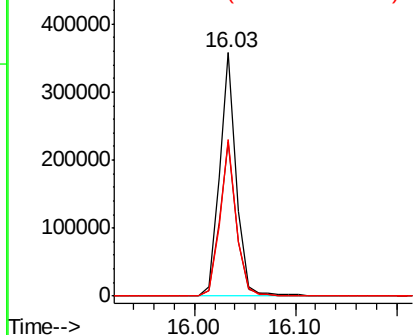


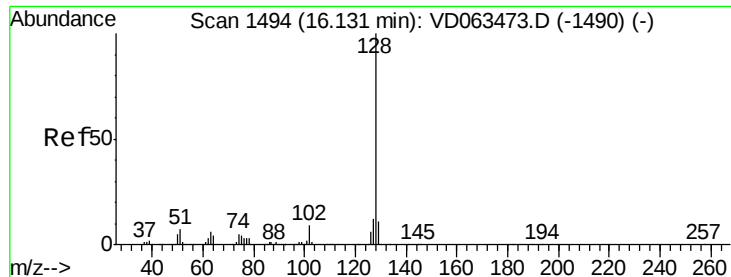
#94
 Hexachlorobutadiene
 Concen: 49.387 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.01 min
 Lab File: VD063696.D
 Acq: 20 Aug 2019 20:29

Tgt Ion:225 Resp: 414735
 Ion Ratio Lower Upper
 225 100
 223 63.5 31.9 95.5
 227 64.2 30.7 92.1



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

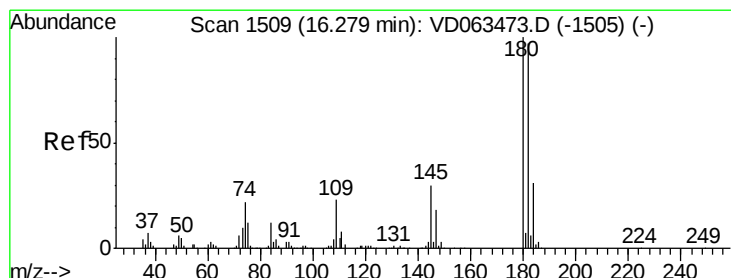
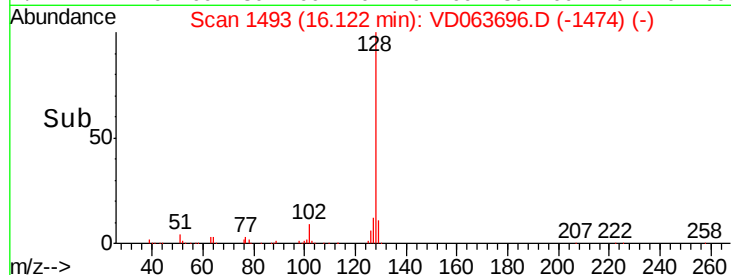
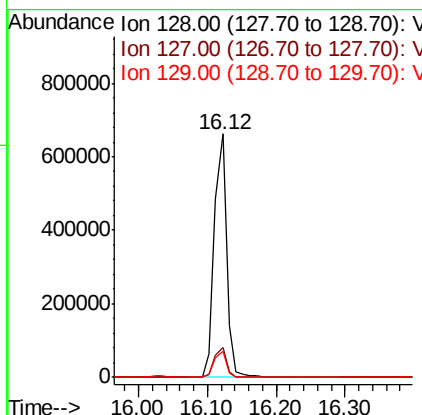
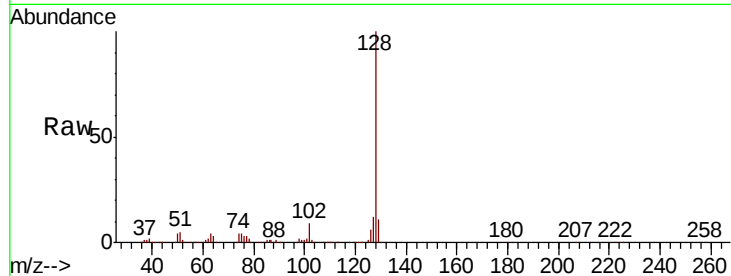




#95
Naphthalene
Concen: 49.521 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VD063696.D
Acq: 20 Aug 2019 20:29

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 826946
Ion Ratio Lower Upper
128 100
127 12.4 9.4 14.0
129 10.7 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 53.449 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.01 min
Lab File: VD063696.D
Acq: 20 Aug 2019 20:29

Tgt Ion:180 Resp: 475679
Ion Ratio Lower Upper
180 100
182 93.8 48.4 145.2
145 25.3 14.9 44.9

