

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD071219\
 Data File : VD063069.D
 Acq On : 12 Jul 2019 14:01
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Jul 12 14:37:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	940994	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	1284336	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	1103155	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	571366	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.46	65	465778	45.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.08%	
35) Dibromofluoromethane	6.94	113	521453	48.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.30%	
50) Toluene-d8	10.43	98	1043783	44.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.56%	
62) 4-Bromofluorobenzene	13.57	95	485701	45.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	455290	37.390	ug/l	100
3) Chloromethane	1.75	50	375976	41.056	ug/l	98
4) Vinyl Chloride	1.84	62	390431	43.000	ug/l	98
5) Bromomethane	2.15	94	160919	37.844	ug/l	94
6) Chloroethane	2.26	64	189384	46.070	ug/l	97
7) Trichlorofluoromethane	2.53	101	844446	45.954	ug/l	97
8) Diethyl Ether	2.87	74	129640	55.525	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	3.14	101	462796	46.488	ug/l	90
10) Methyl Iodide	3.30	142	648408	49.370	ug/l	95
11) Tert butyl alcohol	4.11	59	136681	293.400	ug/l #	94
12) 1,1-Dichloroethene	3.12	96	340693	45.620	ug/l	90
13) Acrolein	3.04	56	109911	231.109	ug/l	94
14) Allyl chloride	3.62	41	613338	55.582	ug/l	94
15) Acrylonitrile	4.20	53	352160	321.717	ug/l #	90
16) Acetone	3.23	43	640727	310.592	ug/l	98
17) Carbon Disulfide	3.38	76	946357	39.650	ug/l	100
18) Methyl Acetate	3.65	43	176455	57.147	ug/l	96
19) Methyl tert-butyl Ether	4.25	73	919908	56.901	ug/l	99
20) Methylene Chloride	3.82	84	413378	52.993	ug/l	96
21) trans-1,2-Dichloroethene	4.22	96	412875	51.922	ug/l	88
22) Diisopropyl ether	5.13	45	1321868	58.904	ug/l	94
23) Vinyl Acetate	5.07	43	3989775	284.125	ug/l	99
24) 1,1-Dichloroethane	4.99	63	777197	53.193	ug/l	98
25) 2-Butanone	6.09	43	586413	306.536	ug/l	94
26) 2,2-Dichloropropane	6.03	77	809803	52.290	ug/l	94
27) cis-1,2-Dichloroethene	6.04	96	448393	53.323	ug/l	94
28) Bromochloromethane	6.45	49	260624	50.646	ug/l	98
29) Tetrahydrofuran	6.48	42	263835	291.488	ug/l	97
30) Chloroform	6.67	83	968050	54.480	ug/l	92
31) Cyclohexane	6.96	56	465713	48.485	ug/l	89
32) 1,1,1-Trichloroethane	6.88	97	915076	49.443	ug/l	95
36) 1,1-Dichloropropene	7.16	75	613485	50.459	ug/l	95
37) Ethyl Acetate	6.20	43	292027	57.341	ug/l	96
38) Carbon Tetrachloride	7.12	117	1005129	54.969	ug/l	97

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 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	502246	46.930	ug/l	97
40) Benzene	7.46	78	1301406	53.326	ug/l	95
41) Methacrylonitrile	6.46	41	349659	54.535	ug/l #	98
42) 1,2-Dichloroethane	7.59	62	709249	53.273	ug/l	98
43) Isopropyl Acetate	9.25	43	397422	62.350	ug/l	92
44) Trichloroethene	8.55	130	495869	51.827	ug/l	95
45) 1,2-Dichloropropane	8.95	63	327672	53.996	ug/l	92
46) Dibromomethane	9.08	93	262627	50.380	ug/l	89
47) Bromodichloromethane	9.39	83	737642	54.485	ug/l	100
48) Methyl methacrylate	9.14	41	230295	50.842	ug/l	97
49) 1,4-Dioxane	9.09	88	46005	1220.787	ug/l	95
51) 4-Methyl-2-Pentanone	10.32	43	1262395	279.342	ug/l	98
52) Toluene	10.52	92	861813	52.533	ug/l	93
53) t-1,3-Dichloropropene	10.93	75	633931	57.209	ug/l	95
54) cis-1,3-Dichloropropene	10.05	75	667820	55.448	ug/l	91
55) 1,1,2-Trichloroethane	11.20	97	308158	54.675	ug/l	96
56) Ethyl methacrylate	11.06	69	357599	59.369	ug/l	96
57) 1,3-Dichloropropane	11.42	76	456533	52.902	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.87	63	606412	196.106	ug/l	100
59) 2-Hexanone	11.55	43	961606	298.774	ug/l	98
60) Dibromochloromethane	11.70	129	569853	54.281	ug/l	96
61) 1,2-Dibromoethane	11.81	107	377819	56.759	ug/l	95
64) Tetrachloroethene	11.27	164	435308	47.945	ug/l	93
65) Chlorobenzene	12.40	112	1098176	53.639	ug/l	96
66) 1,1,1,2-Tetrachloroethane	12.52	131	499461	52.166	ug/l	88
67) Ethyl Benzene	12.53	91	1771154	48.185	ug/l	99
68) m/p-Xylenes	12.68	106	1341928	104.819	ug/l	90
69) o-Xylene	13.05	106	624843	53.390	ug/l	100
70) Styrene	13.08	104	1036361	50.416	ug/l	93
71) Bromoform	13.24	173	370137	56.424	ug/l #	94
73) Isopropylbenzene	13.41	105	1845653	50.380	ug/l	99
74) N-amyl acetate	13.27	43	483595	54.357	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.70	83	338816	56.762	ug/l	98
76) 1,2,3-Trichloropropane	13.74	75	372634	56.494	ug/l	90
77) Bromobenzene	13.67	156	539030	54.703	ug/l	93
78) n-propylbenzene	13.78	91	2177850	51.076	ug/l	97
79) 2-Chlorotoluene	13.85	91	1268789	52.068	ug/l	93
80) 1,3,5-Trimethylbenzene	13.94	105	1536926	49.946	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.48	75	106891	61.833	ug/l	98
82) 4-Chlorotoluene	13.95	91	1358653	46.313	ug/l	93
83) tert-Butylbenzene	14.20	119	1747753	50.955	ug/l	97
84) 1,2,4-Trimethylbenzene	14.25	105	1585078	50.256	ug/l	100
85) sec-Butylbenzene	14.37	105	1746584	46.851	ug/l	96
86) p-Isopropyltoluene	14.50	119	1800807	52.802	ug/l	95
87) 1,3-Dichlorobenzene	14.46	146	935429	52.958	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	869022	48.983	ug/l	98
89) n-Butylbenzene	14.81	91	1593879	49.932	ug/l	97
90) Hexachloroethane	15.01	117	497059	54.206	ug/l	91
91) 1,2-Dichlorobenzene	14.82	146	786128	52.018	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.39	75	65079	55.860	ug/l	61

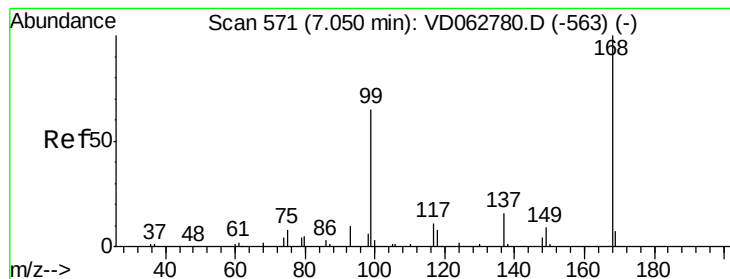
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD071219\
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Quant Title : SW846 8260
QLast Update : Thu Jun 20 01:50:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	633940	53.699	ug/l	97
94) Hexachlorobutadiene	16.05	225	473591	52.512	ug/l	98
95) Naphthalene	16.13	128	945902	57.167	ug/l	100
96) 1,2,3-Trichlorobenzene	16.27	180	513452	56.607	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.01 min

Lab File: VD063069.D

Acq: 12 Jul 2019 14:01

Instrument :

MSVOA_D

ClientSampleId :

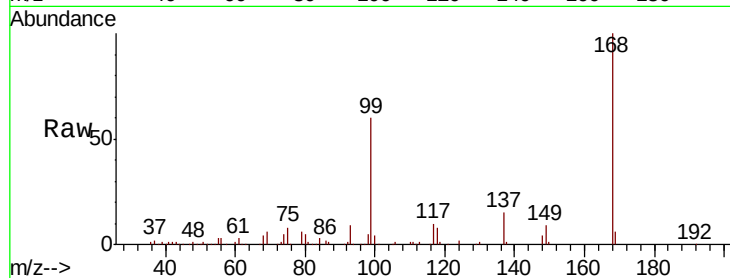
VSTDCCC050

Tgt Ion:168 Resp: 940994

Ion Ratio Lower Upper

168 100

99 60.3 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

300000

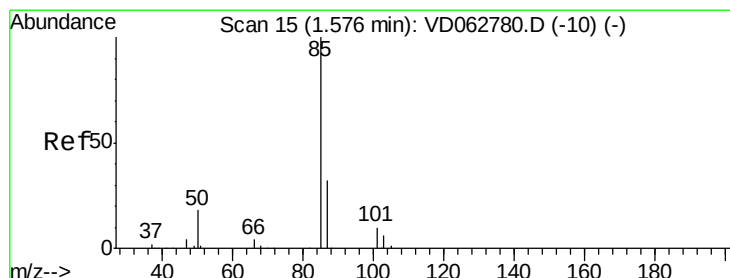
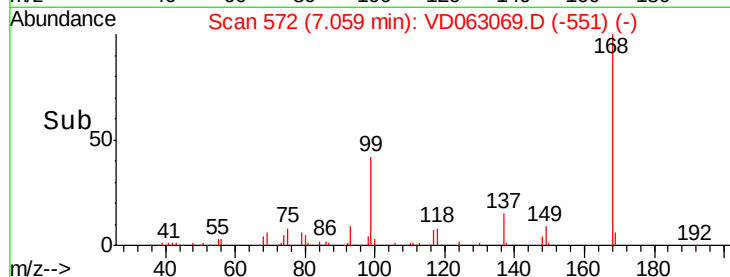
200000

100000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 37.390 ug/l

RT: 1.58 min Scan# 15

Delta R.T. -0.00 min

Lab File: VD063069.D

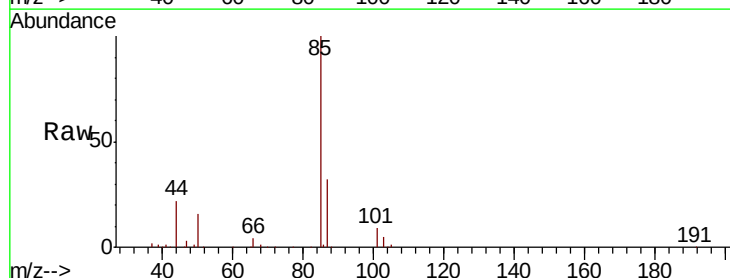
Acq: 12 Jul 2019 14:01

Tgt Ion: 85 Resp: 455290

Ion Ratio Lower Upper

85 100

87 31.7 15.9 47.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

200000

150000

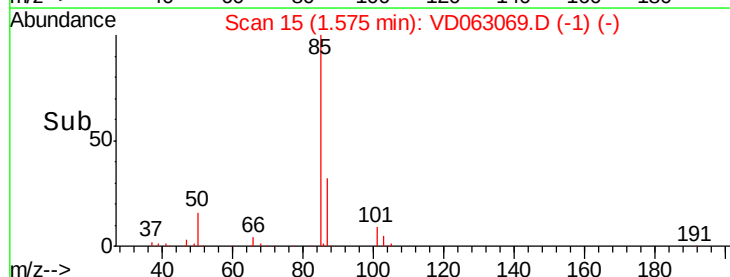
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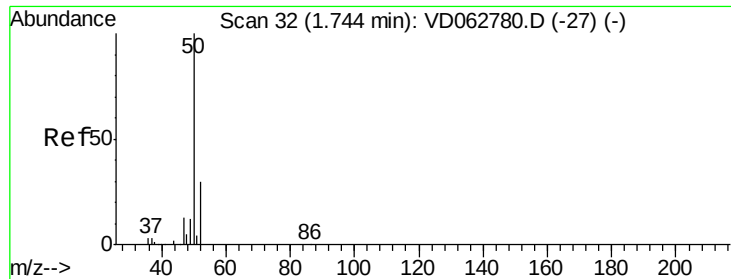
50000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 41.056 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.01 min

Lab File: VD063069.D

Acq: 12 Jul 2019 14:01

Instrument :

MSVOA_D

ClientSampleId :

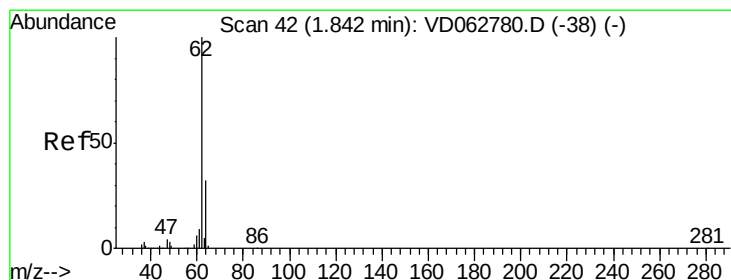
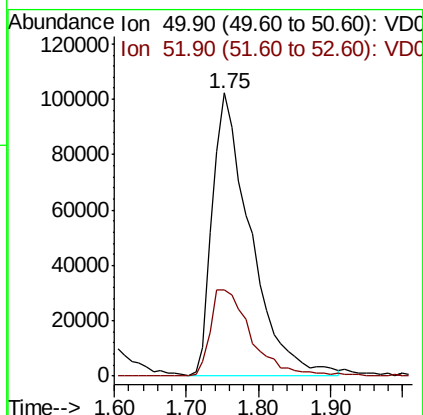
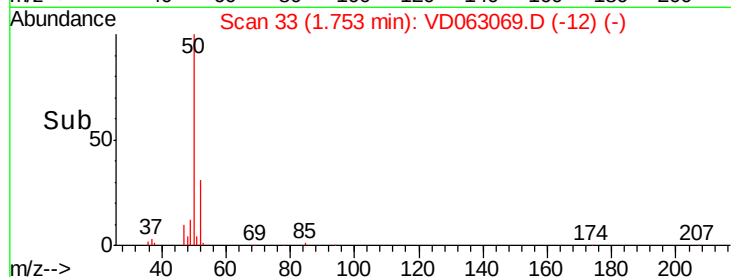
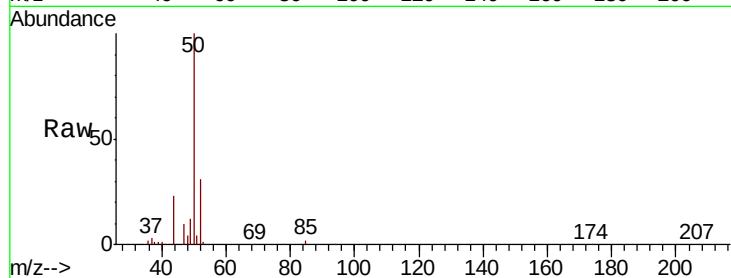
VSTDCCC050

Tgt Ion: 50 Resp: 375976

Ion Ratio Lower Upper

50 100

52 30.5 23.6 35.4



#4

Vinyl Chloride

Concen: 43.000 ug/l

RT: 1.84 min Scan# 42

Delta R.T. -0.00 min

Lab File: VD063069.D

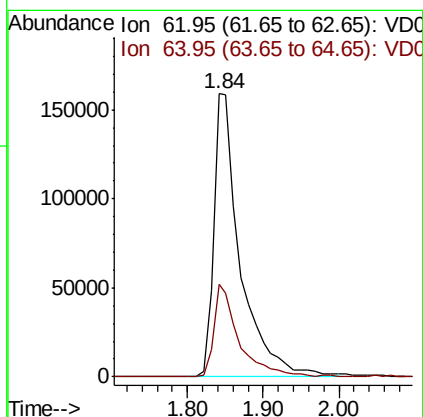
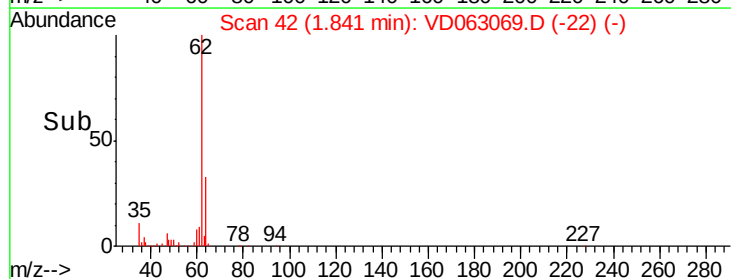
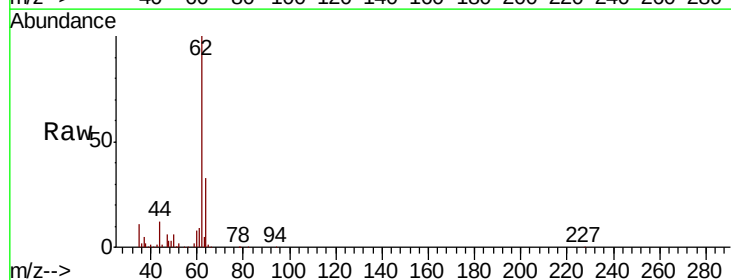
Acq: 12 Jul 2019 14:01

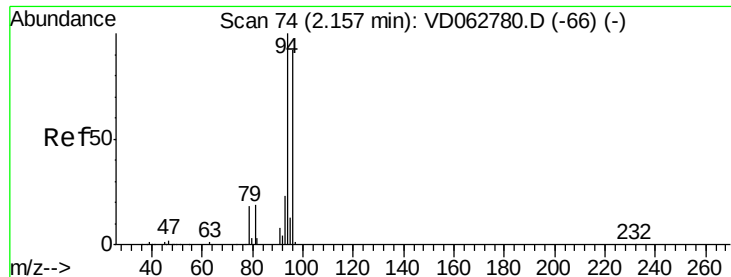
Tgt Ion: 62 Resp: 390431

Ion Ratio Lower Upper

62 100

64 32.9 25.6 38.4





#5

Bromomethane

Concen: 37.844 ug/l

RT: 2.15 min Scan# 73

Delta R.T. -0.01 min

Lab File: VD063069.D

Acq: 12 Jul 2019 14:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

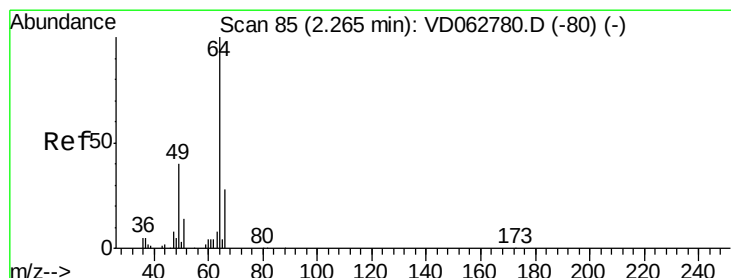
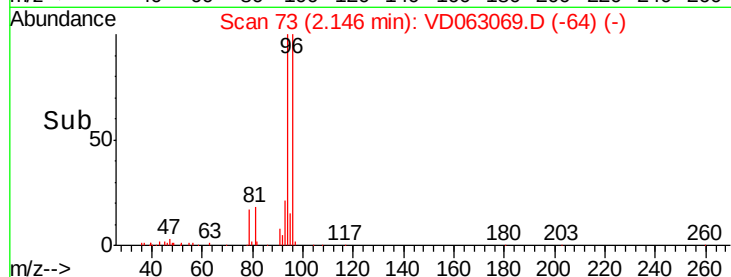
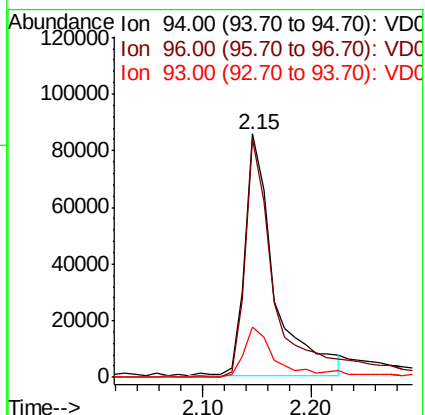
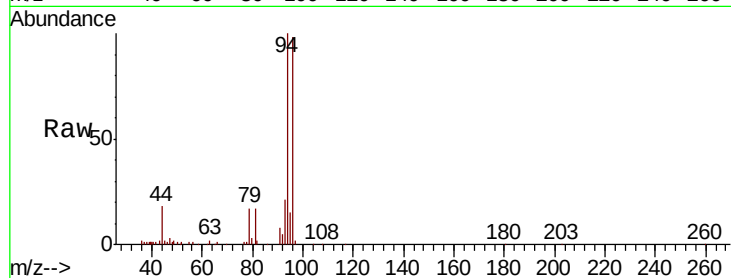
Tgt Ion: 94 Resp: 160919

Ion Ratio Lower Upper

94 100

96 97.8 73.4 110.2

93 20.8 18.2 27.4



#6

Chloroethane

Concen: 46.070 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.00 min

Lab File: VD063069.D

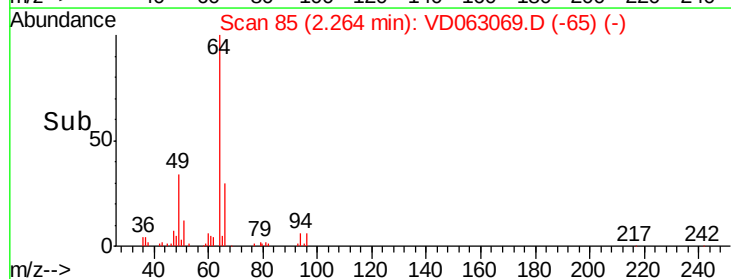
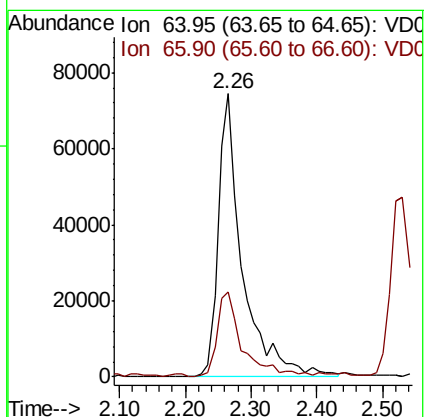
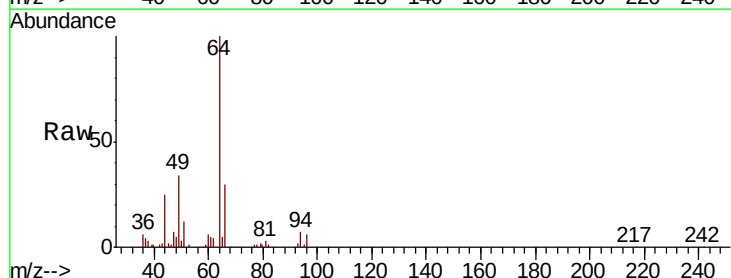
Acq: 12 Jul 2019 14:01

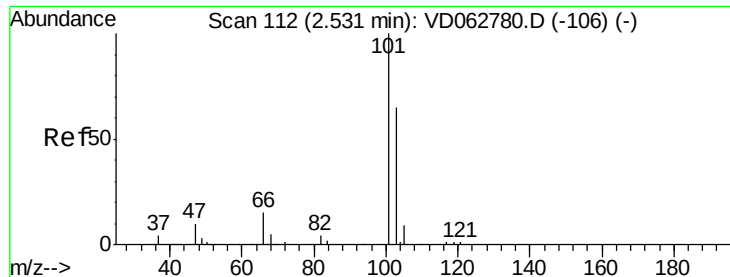
Tgt Ion: 64 Resp: 189384

Ion Ratio Lower Upper

64 100

66 30.1 23.0 34.4



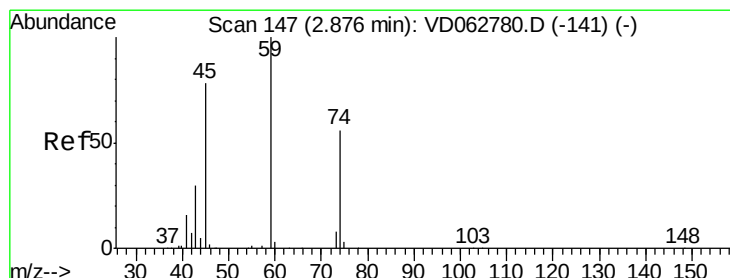
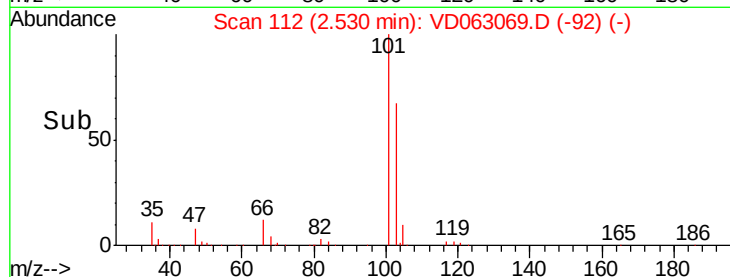
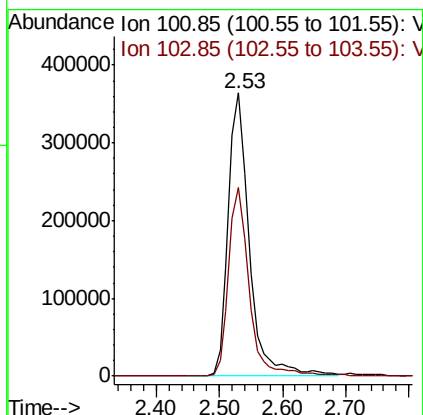
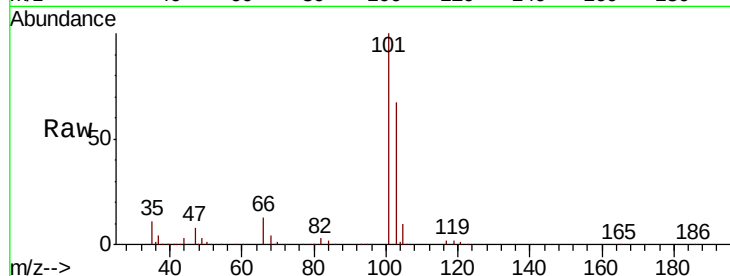


#7

Trichlorofluoromethane
 Concen: 45.954 ug/l
 RT: 2.53 min Scan# 112
 Delta R.T. -0.00 min
 Lab File: VD063069.D
 Acq: 12 Jul 2019 14:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

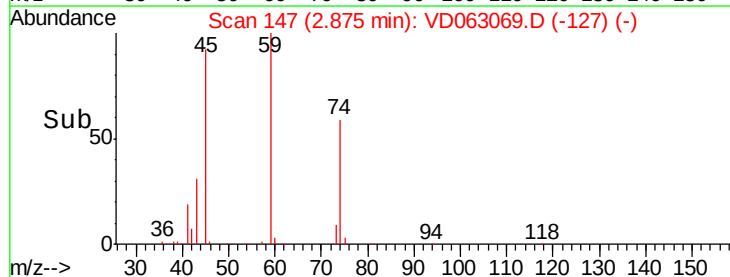
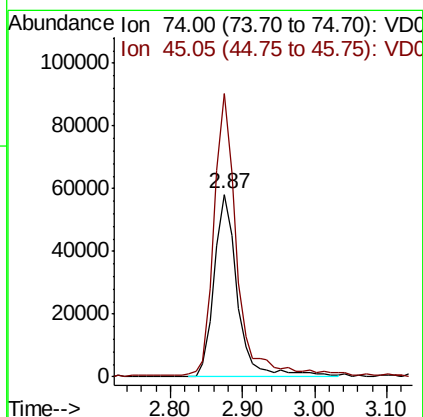
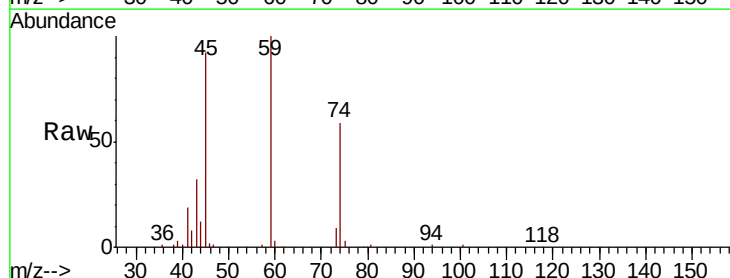
Tgt Ion: 101 Resp: 844446
 Ion Ratio Lower Upper
 101 100
 103 66.8 51.8 77.8

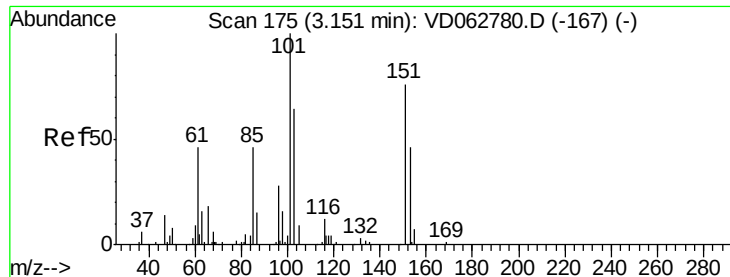


#8

Diethyl Ether
 Concen: 55.525 ug/l
 RT: 2.87 min Scan# 147
 Delta R.T. -0.00 min
 Lab File: VD063069.D
 Acq: 12 Jul 2019 14:01

Tgt Ion: 74 Resp: 129640
 Ion Ratio Lower Upper
 74 100
 45 155.1 70.2 210.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.488 ug/l

RT: 3.14 min Scan# 174

Delta R.T. -0.01 min

Lab File: VD063069.D

Acq: 12 Jul 2019 14:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

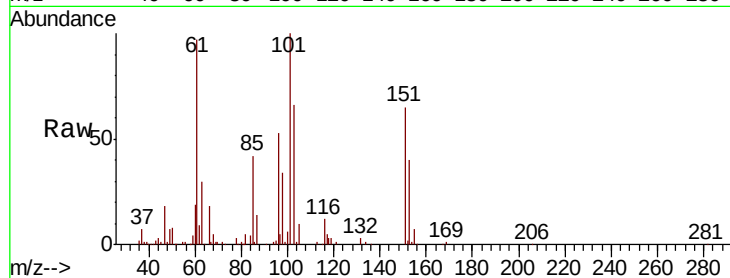
Tgt Ion:101 Resp: 462796

Ion Ratio Lower Upper

101 100

85 41.5 37.0 55.4

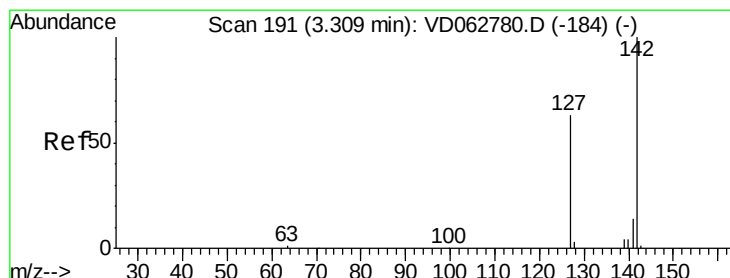
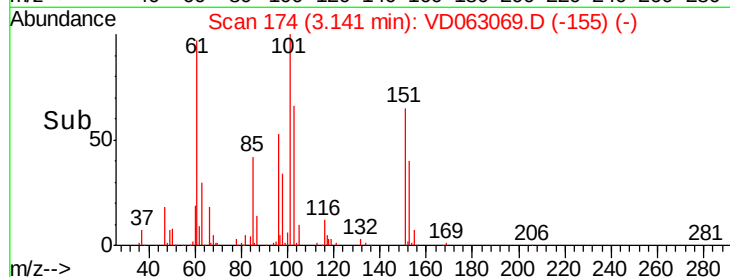
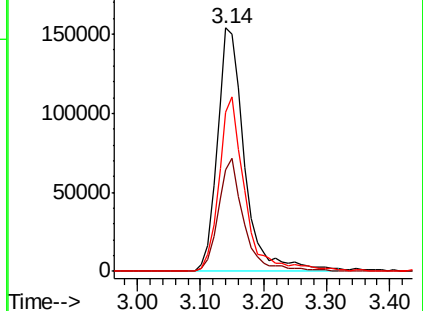
151 65.5 60.5 90.7



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 49.370 ug/l

RT: 3.30 min Scan# 190

Delta R.T. -0.01 min

Lab File: VD063069.D

Acq: 12 Jul 2019 14:01

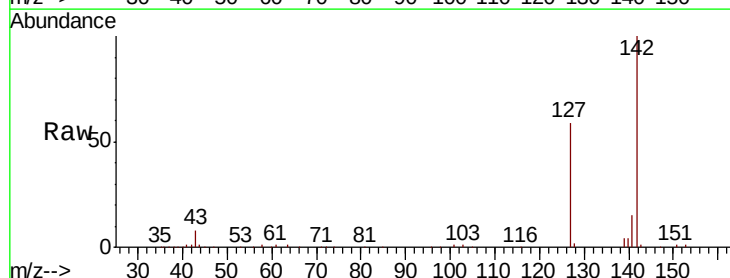
Tgt Ion:142 Resp: 648408

Ion Ratio Lower Upper

142 100

127 58.7 50.1 75.1

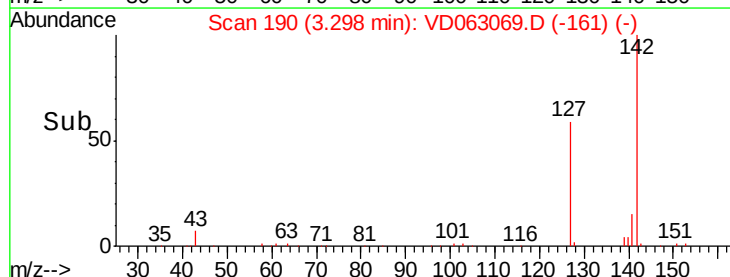
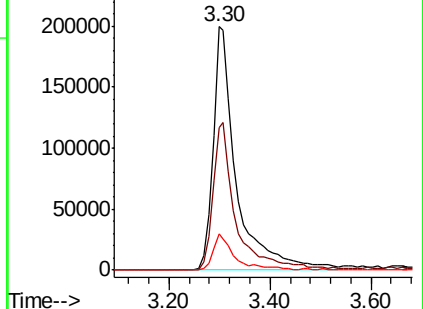
141 15.0 11.0 16.4

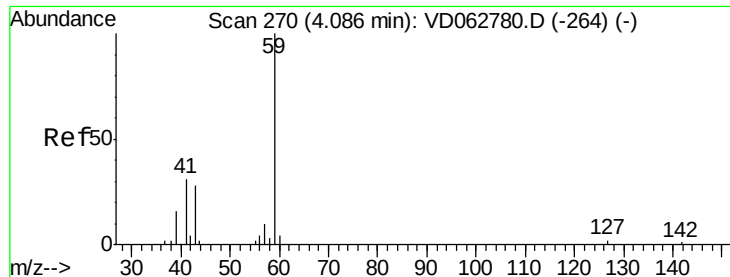


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

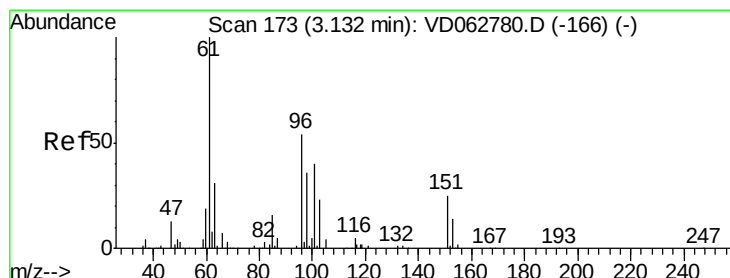
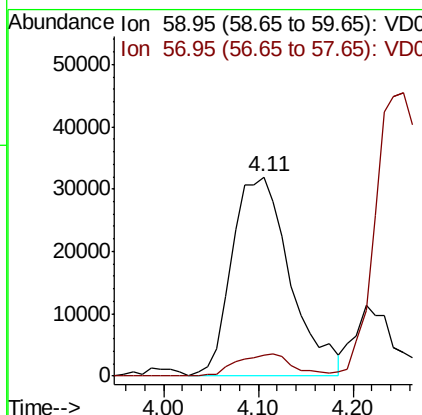
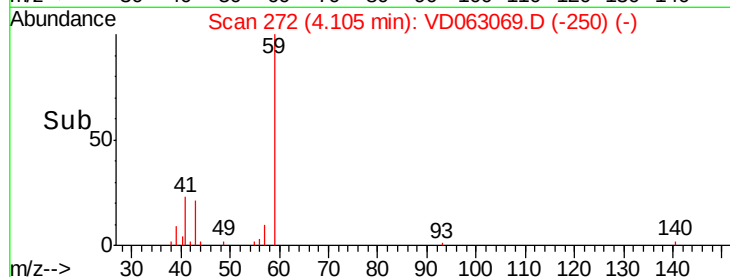
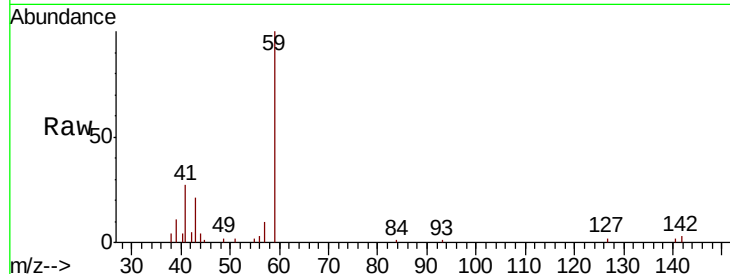




#11
Tert butyl alcohol
Concen: 293.400 ug/l
RT: 4.11 min Scan# 272
Delta R.T. 0.02 min
Lab File: VD063069.D
Acq: 12 Jul 2019 14:01

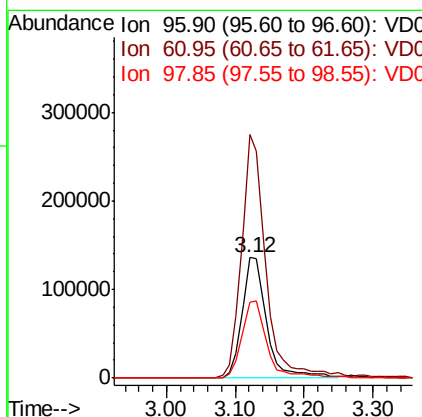
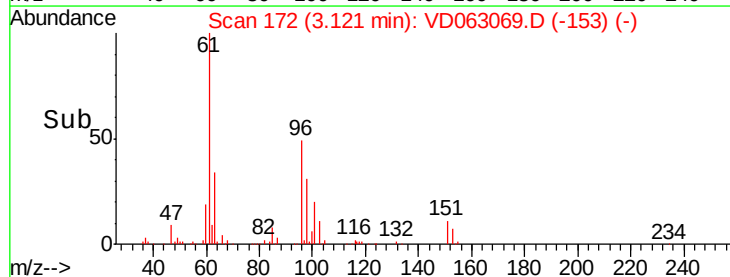
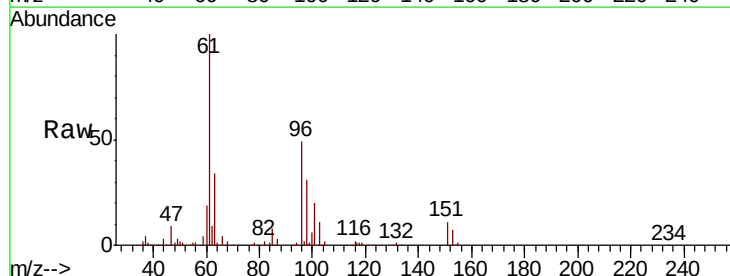
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

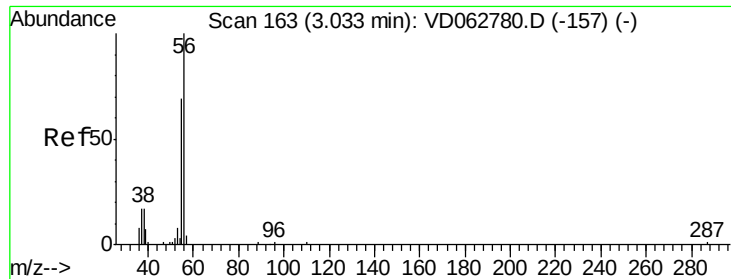
Tgt Ion: 59 Resp: 136681
Ion Ratio Lower Upper
59 100
57 10.3 6.6 10.0#



#12
1,1-Dichloroethene
Concen: 45.620 ug/l
RT: 3.12 min Scan# 172
Delta R.T. -0.01 min
Lab File: VD063069.D
Acq: 12 Jul 2019 14:01

Tgt Ion: 96 Resp: 340693
Ion Ratio Lower Upper
96 100
61 202.1 147.1 220.7
98 63.1 52.6 79.0

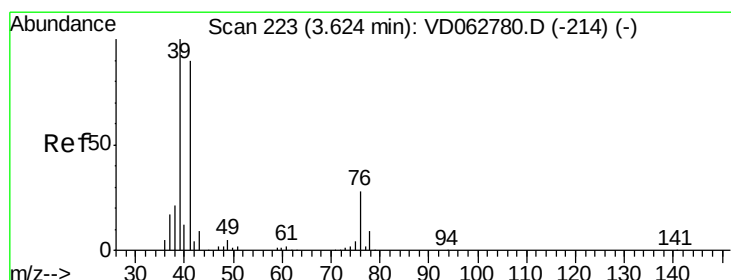
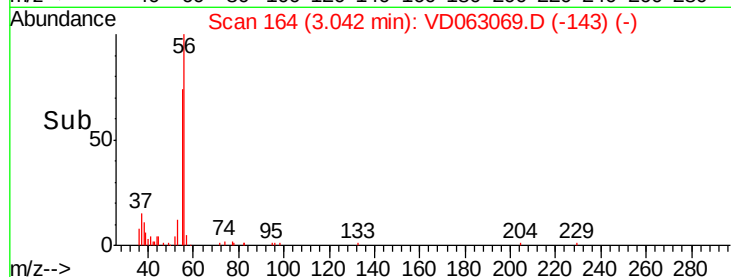
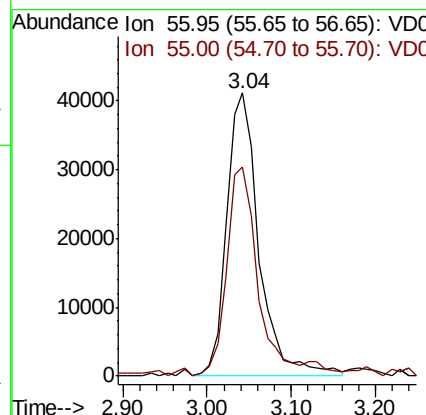
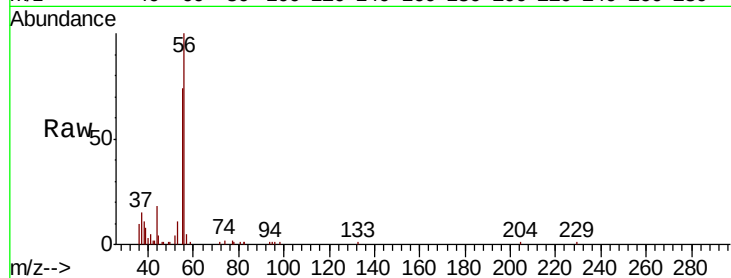




#13
Acrolein
Concen: 231.109 ug/l
RT: 3.04 min Scan# 164
Delta R.T. 0.01 min
Lab File: VD063069.D
Acq: 12 Jul 2019 14:01

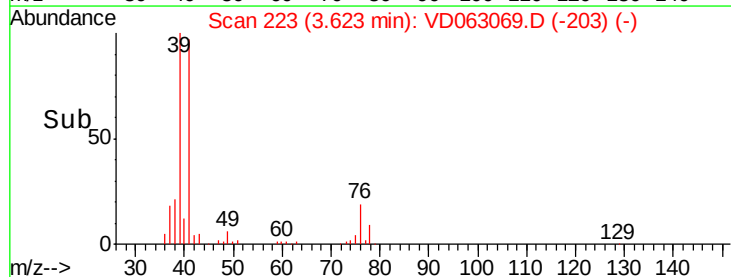
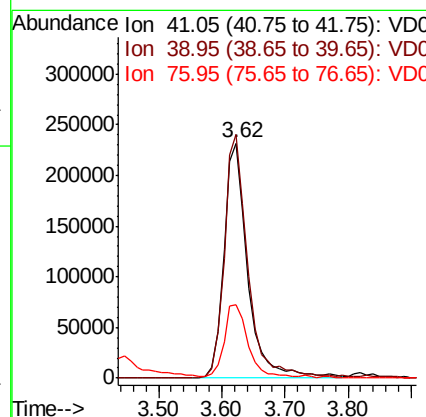
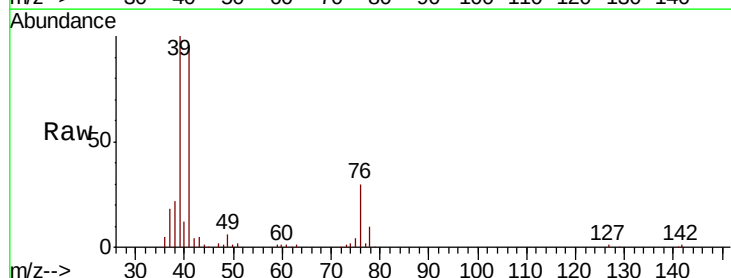
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

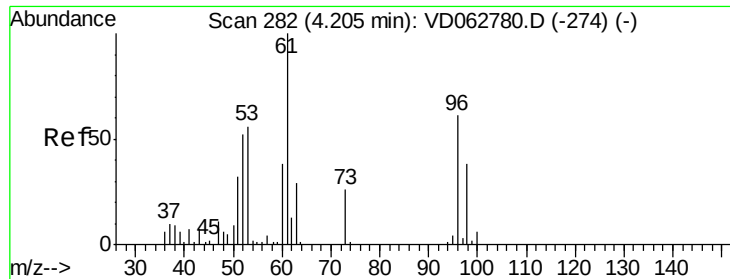
Tgt Ion: 56 Resp: 109911
Ion Ratio Lower Upper
56 100
55 74.0 55.4 83.0



#14
Allyl chloride
Concen: 55.582 ug/l
RT: 3.62 min Scan# 223
Delta R.T. -0.00 min
Lab File: VD063069.D
Acq: 12 Jul 2019 14:01

Tgt Ion: 41 Resp: 613338
Ion Ratio Lower Upper
41 100
39 103.6 88.8 133.2
76 31.4 26.7 40.1





#15

Acrylonitrile

Concen: 321.717 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.00 min

Lab File: VD063069.D

Acq: 12 Jul 2019 14:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

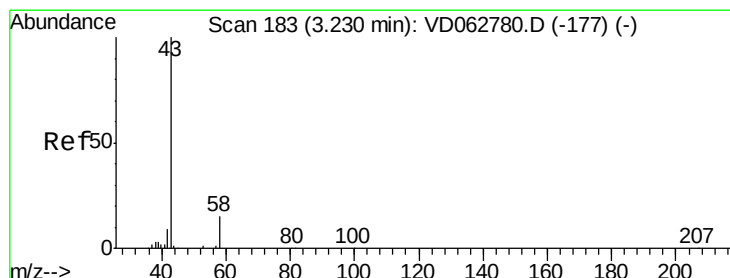
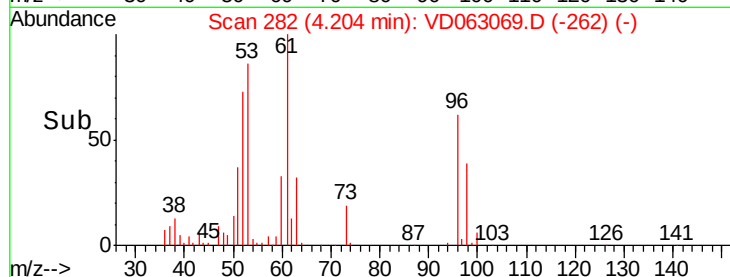
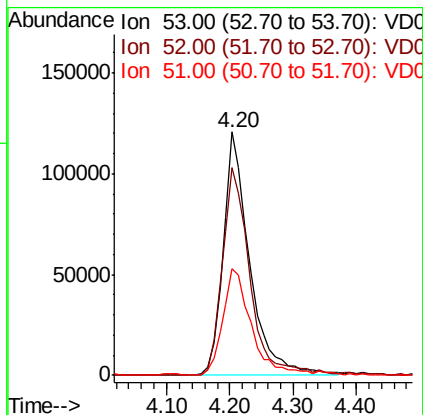
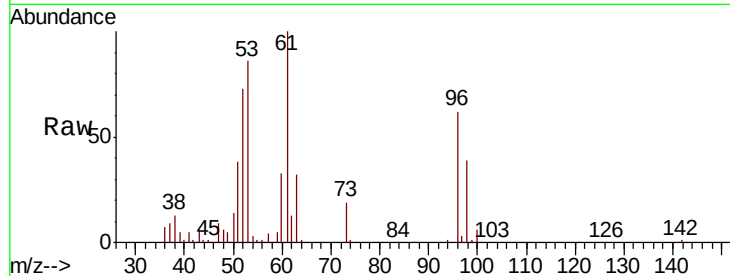
Tgt Ion: 53 Resp: 352160

Ion Ratio Lower Upper

53 100

52 85.3 73.3 109.9

51 43.9 44.8 67.2#



#16

Acetone

Concen: 310.592 ug/l

RT: 3.23 min Scan# 183

Delta R.T. -0.00 min

Lab File: VD063069.D

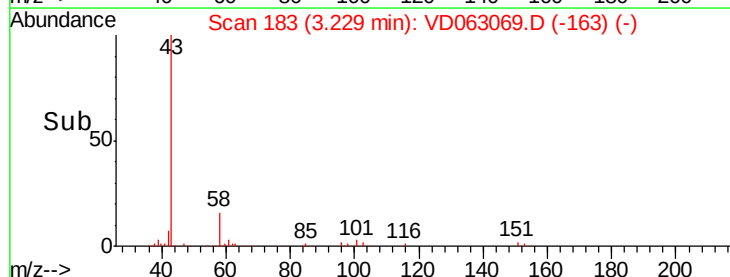
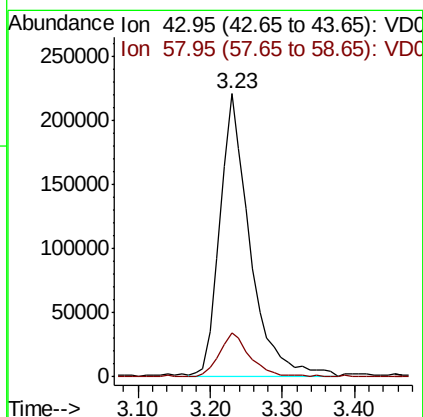
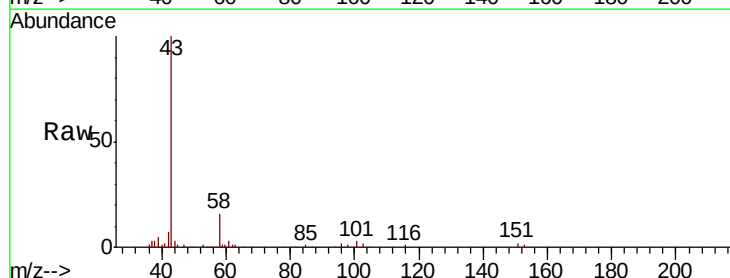
Acq: 12 Jul 2019 14:01

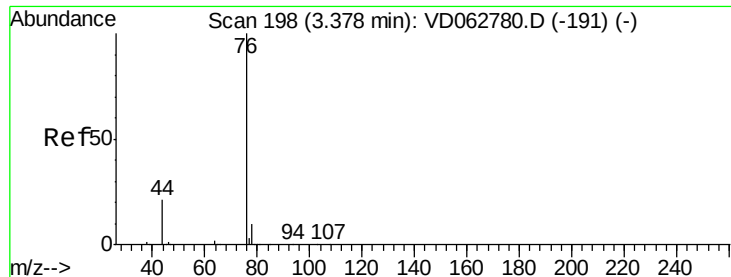
Tgt Ion: 43 Resp: 640727

Ion Ratio Lower Upper

43 100

58 15.7 11.9 17.9





#17

Carbon Disulfide

Concen: 39.650 ug/l

RT: 3.38 min Scan# 198

Delta R.T. -0.00 min

Lab File: VD063069.D

Acq: 12 Jul 2019 14:01

Instrument :

MSVOA_D

ClientSampleId :

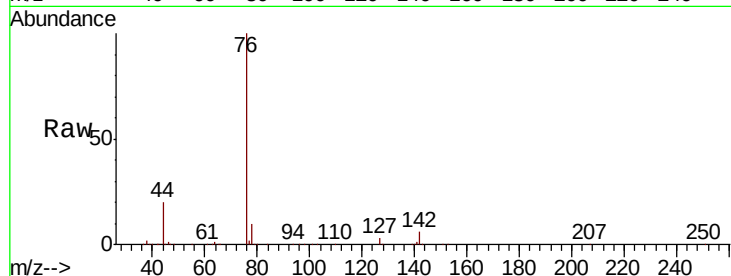
VSTDCCC050

Tgt Ion: 76 Resp: 946357

Ion Ratio Lower Upper

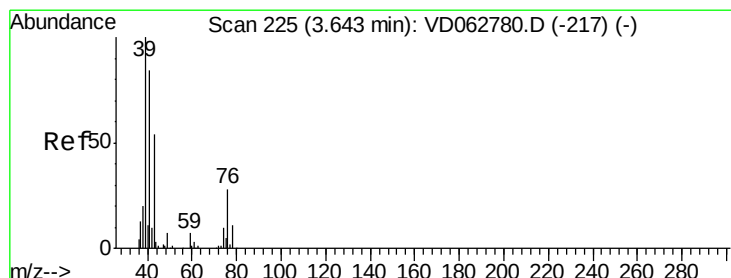
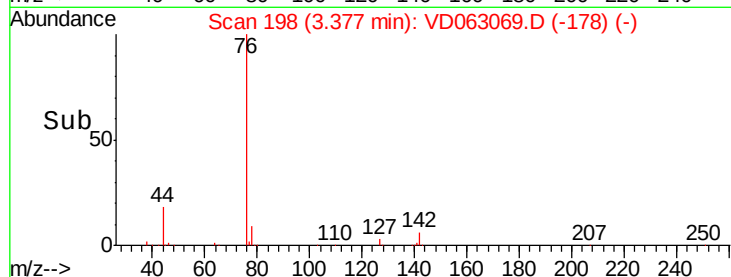
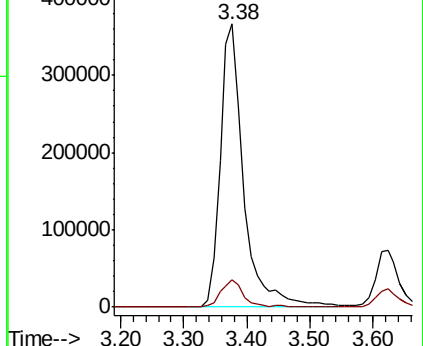
76 100

78 9.8 8.0 12.0



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 57.147 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.01 min

Lab File: VD063069.D

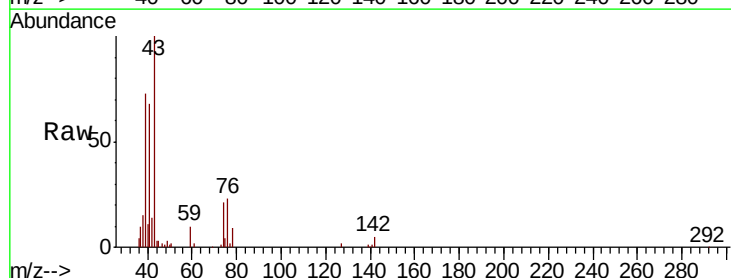
Acq: 12 Jul 2019 14:01

Tgt Ion: 43 Resp: 176455

Ion Ratio Lower Upper

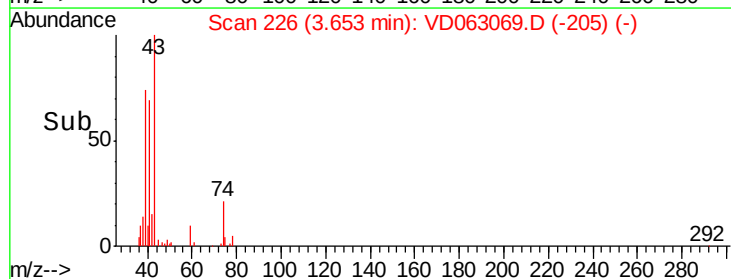
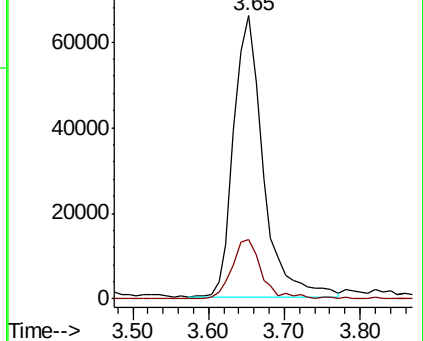
43 100

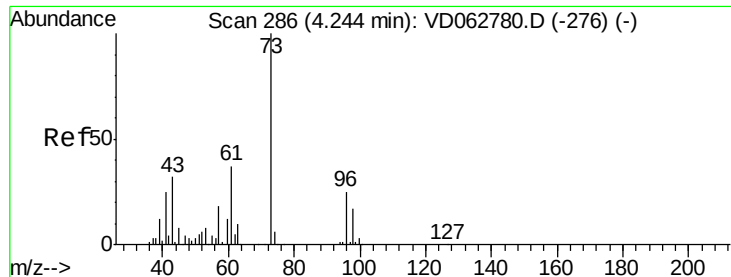
74 20.9 15.2 22.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

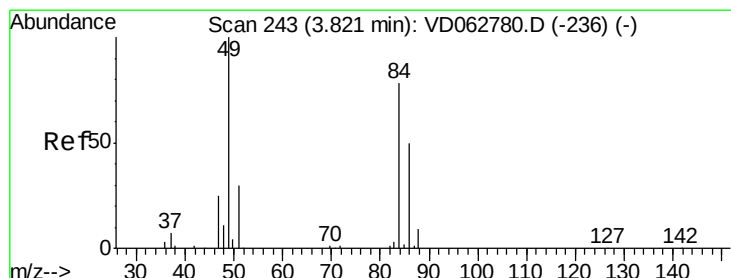
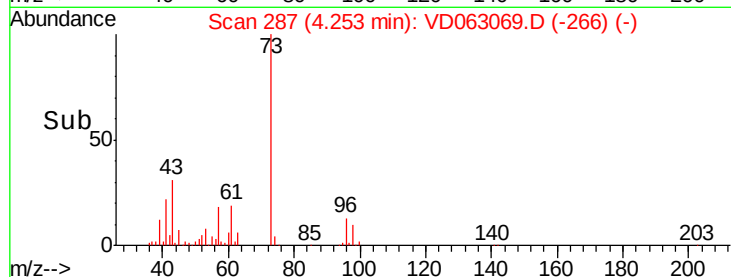
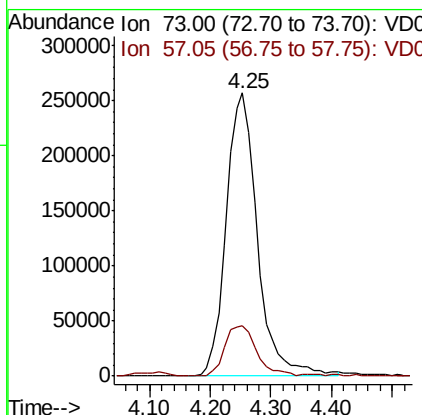
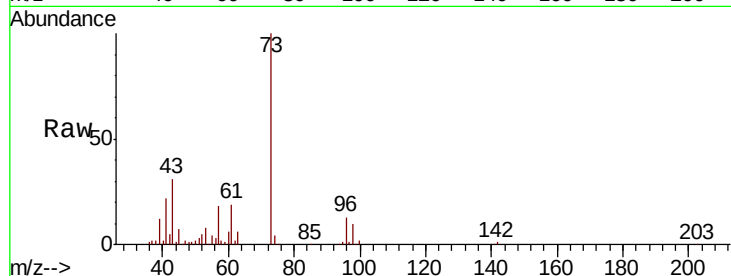




#19
Methyl tert-butyl Ether
Concen: 56.901 ug/l
RT: 4.25 min Scan# 287
Delta R.T. 0.01 min
Lab File: VD063069.D
Acq: 12 Jul 2019 14:01

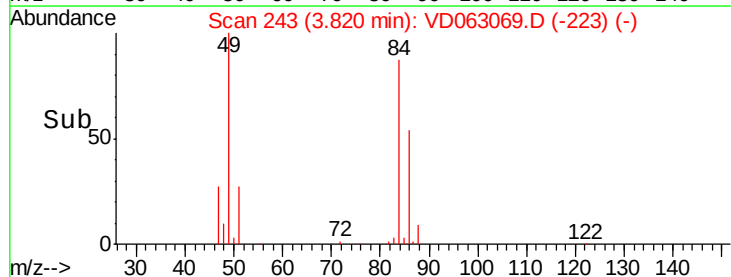
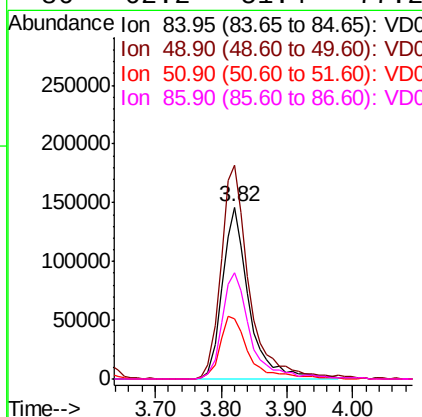
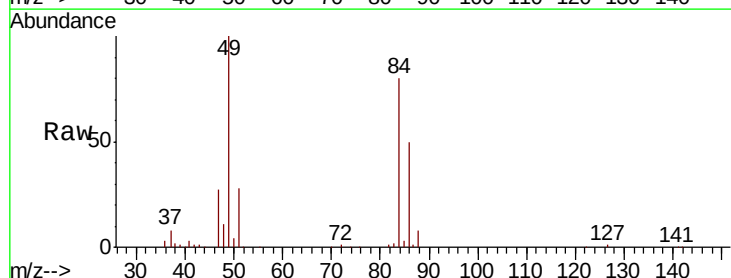
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

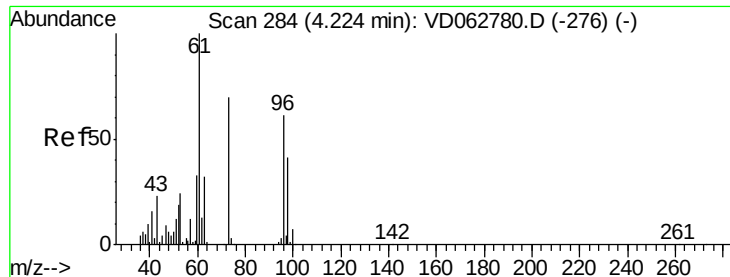
Tgt Ion: 73 Resp: 919908
Ion Ratio Lower Upper
73 100
57 17.7 14.3 21.5



#20
Methylene Chloride
Concen: 52.993 ug/l
RT: 3.82 min Scan# 243
Delta R.T. -0.00 min
Lab File: VD063069.D
Acq: 12 Jul 2019 14:01

Tgt Ion: 84 Resp: 413378
Ion Ratio Lower Upper
84 100
49 124.5 102.9 154.3
51 34.9 31.2 46.8
86 62.2 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 51.922 ug/l

RT: 4.22 min Scan# 284

Delta R.T. -0.00 min

Lab File: VD063069.D

Acq: 12 Jul 2019 14:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

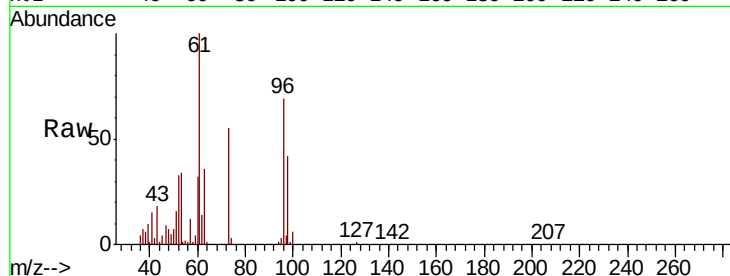
Tgt Ion: 96 Resp: 412875

Ion Ratio Lower Upper

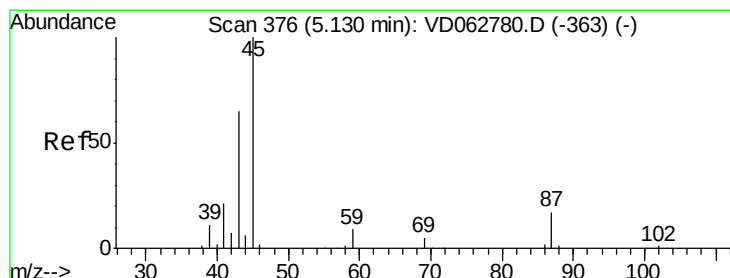
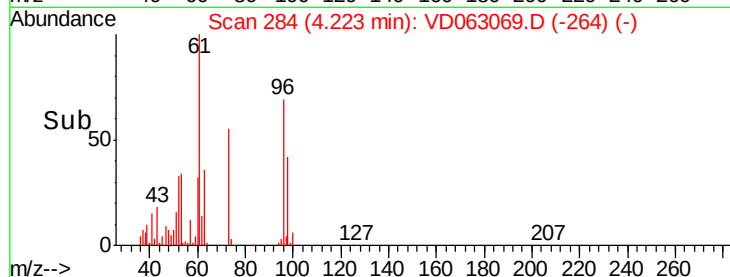
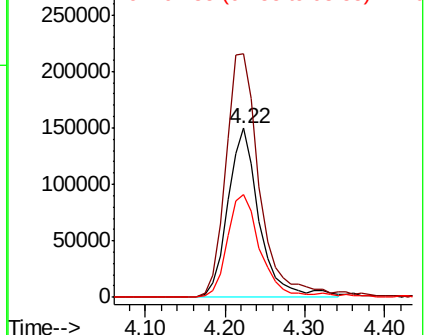
96 100

61 144.3 131.0 196.4

98 60.9 53.2 79.8



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



#22

Diisopropyl ether

Concen: 58.904 ug/l

RT: 5.13 min Scan# 376

Delta R.T. -0.00 min

Lab File: VD063069.D

Acq: 12 Jul 2019 14:01

Tgt Ion: 45 Resp: 1321868

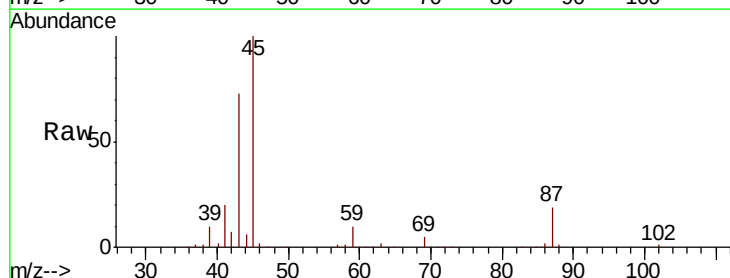
Ion Ratio Lower Upper

45 100

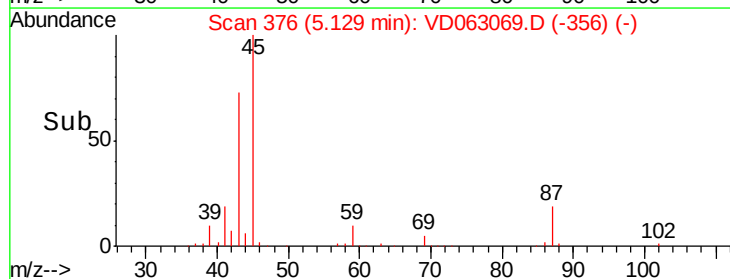
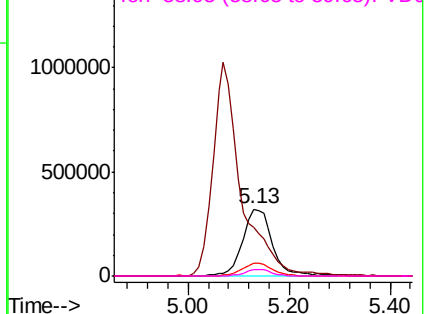
43 72.9 53.4 80.0

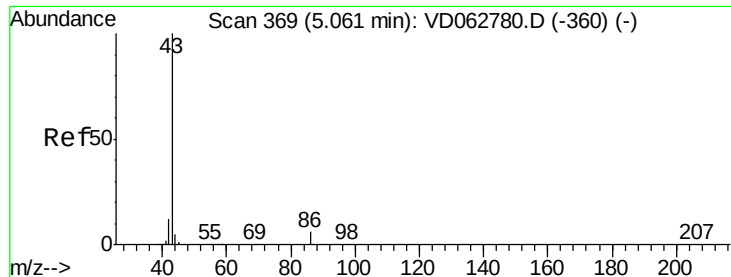
87 19.5 14.6 22.0

59 9.9 7.8 11.8



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





#23

Vinyl Acetate

Concen: 284.125 ug/l

RT: 5.07 min Scan# 370

Delta R.T. 0.01 min

Lab File: VD063069.D

Acq: 12 Jul 2019 14:01

Instrument :

MSVOA_D

ClientSampleId :

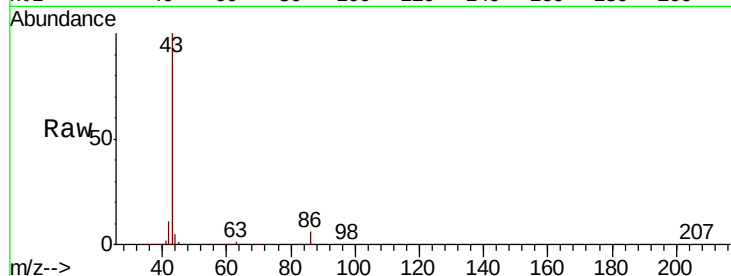
VSTDCCC050

Tgt Ion: 43 Resp: 3989775

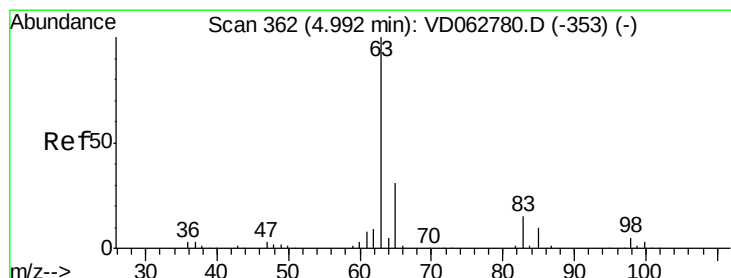
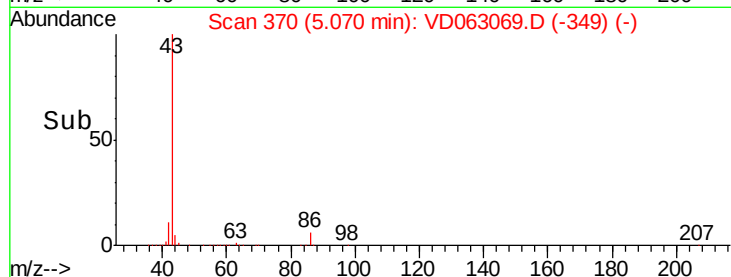
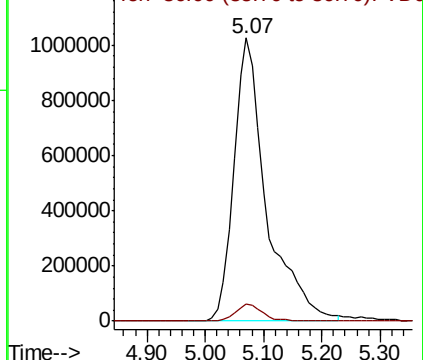
Ion Ratio Lower Upper

43 100

86 6.3 4.7 7.1



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 53.193 ug/l

RT: 4.99 min Scan# 362

Delta R.T. -0.00 min

Lab File: VD063069.D

Acq: 12 Jul 2019 14:01

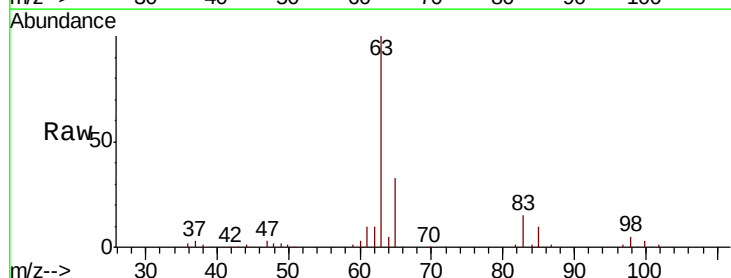
Tgt Ion: 63 Resp: 777197

Ion Ratio Lower Upper

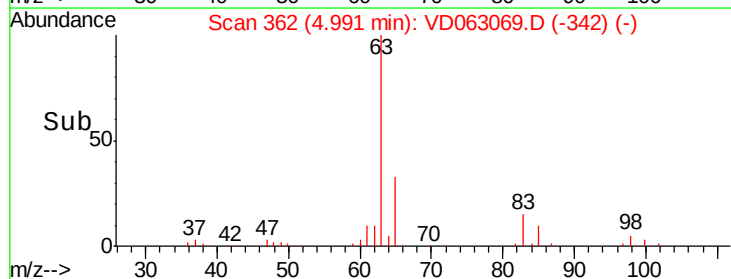
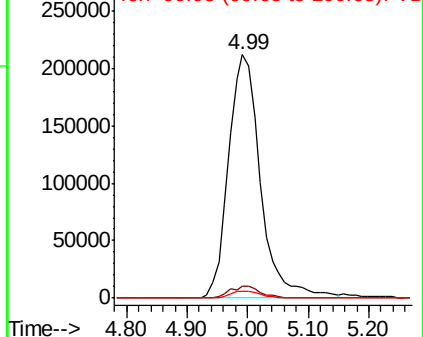
63 100

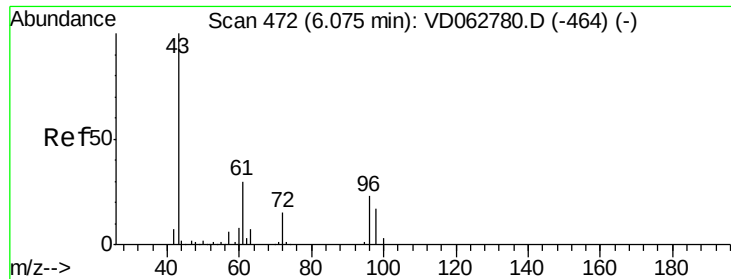
98 5.1 2.3 6.9

100 2.9 1.7 5.1



Abundance Ion 62.95 (62.65 to 63.65): VDC
Ion 97.95 (97.65 to 98.65): VDC
Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 306.536 ug/l

RT: 6.09 min Scan# 474

Delta R.T. 0.02 min

Lab File: VD063069.D

Acq: 12 Jul 2019 14:01

Instrument :

MSVOA_D

ClientSampleId :

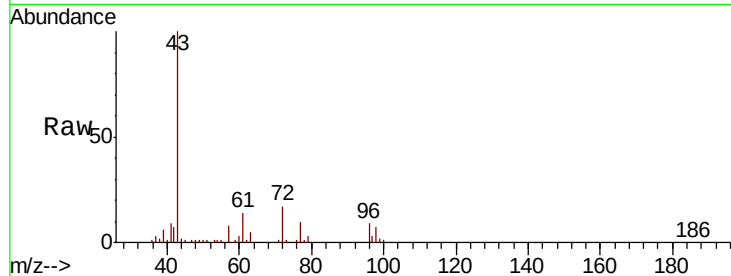
VSTDCCC050

Tgt Ion: 43 Resp: 586413

Ion Ratio Lower Upper

43 100

72 17.3 11.9 17.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

6.09

200000

150000

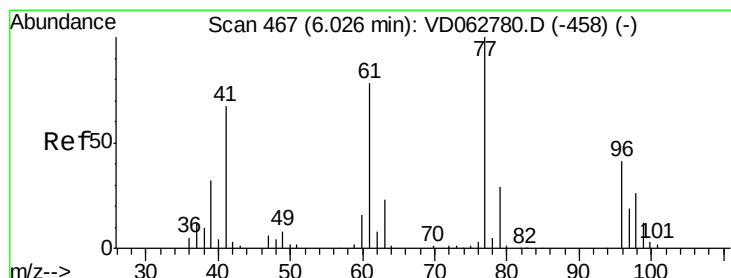
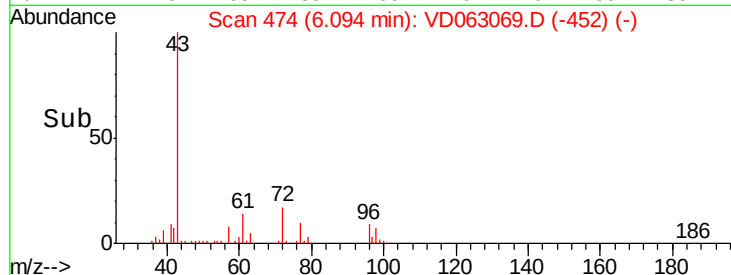
100000

50000

0

6.00 6.10 6.20

Time-->



#26

2,2-Dichloropropane

Concen: 52.290 ug/l

RT: 6.03 min Scan# 468

Delta R.T. 0.01 min

Lab File: VD063069.D

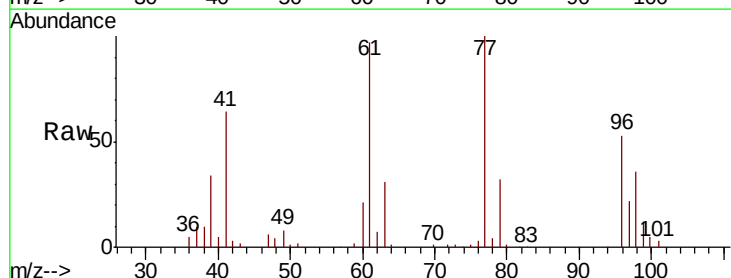
Acq: 12 Jul 2019 14:01

Tgt Ion: 77 Resp: 809803

Ion Ratio Lower Upper

77 100

97 21.6 9.5 28.5



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

6.03

250000

200000

150000

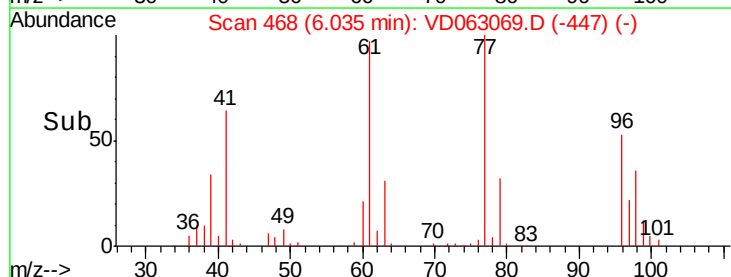
100000

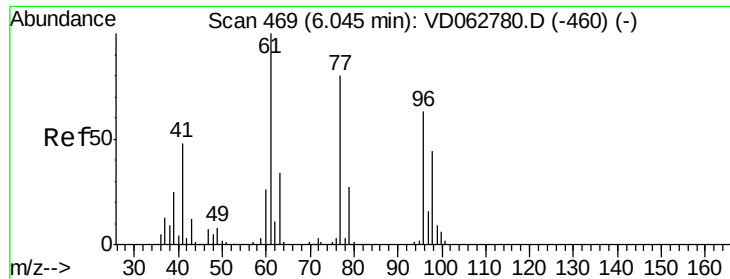
50000

0

5.90 6.00 6.10 6.20

Time-->

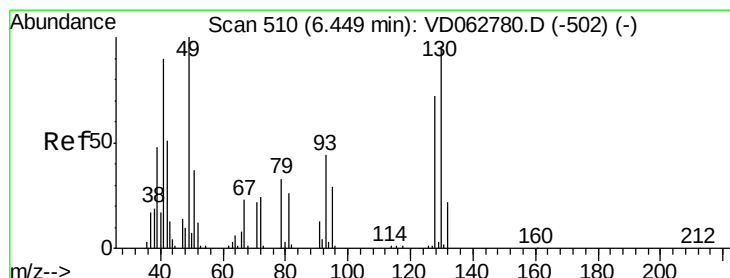
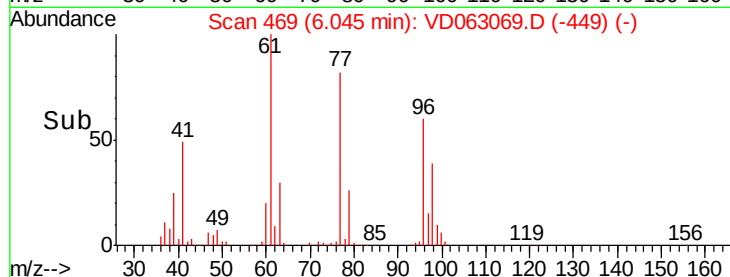
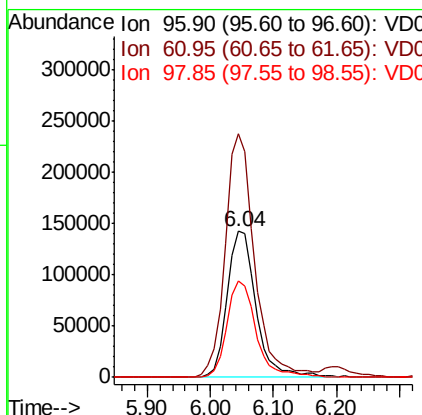
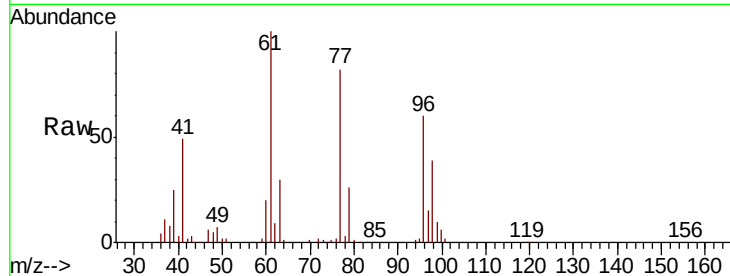




#27
 cis-1,2-Dichloroethene
 Concen: 53.323 ug/l
 RT: 6.04 min Scan# 469
 Delta R.T. -0.00 min
 Lab File: VD063069.D
 Acq: 12 Jul 2019 14:01

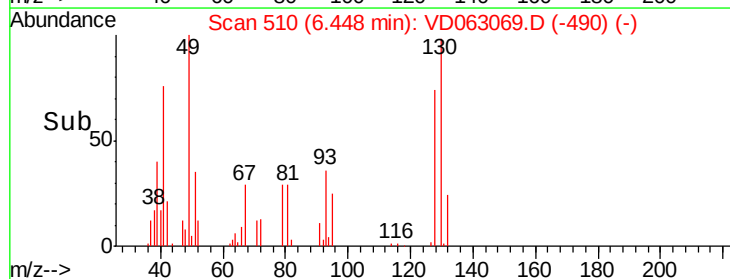
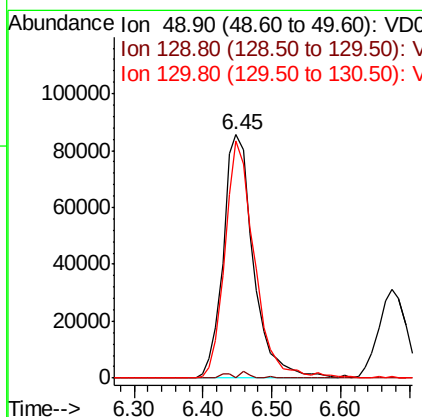
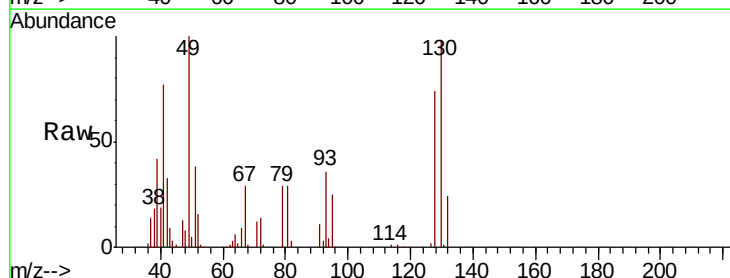
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

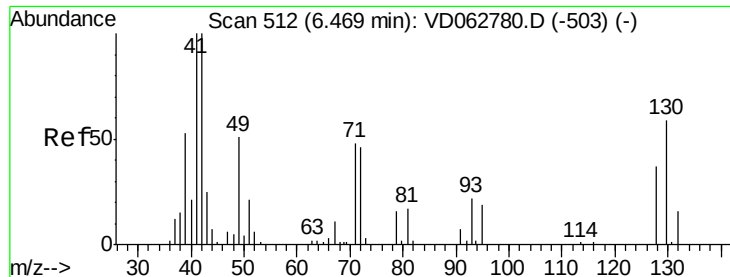
Tgt Ion: 96 Resp: 448393
 Ion Ratio Lower Upper
 96 100
 61 166.9 0.0 316.0
 98 65.9 0.0 138.4



#28
 Bromochloromethane
 Concen: 50.646 ug/l
 RT: 6.45 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VD063069.D
 Acq: 12 Jul 2019 14:01

Tgt Ion: 49 Resp: 260624
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 5.6
 130 97.7 76.6 114.8





#29

Tetrahydrofuran

Concen: 291.488 ug/l

RT: 6.48 min Scan# 513

Delta R.T. 0.01 min

Lab File: VD063069.D

Acq: 12 Jul 2019 14:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

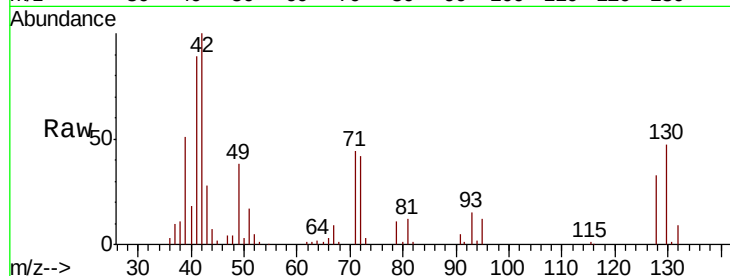
Tgt Ion: 42 Resp: 263835

Ion Ratio Lower Upper

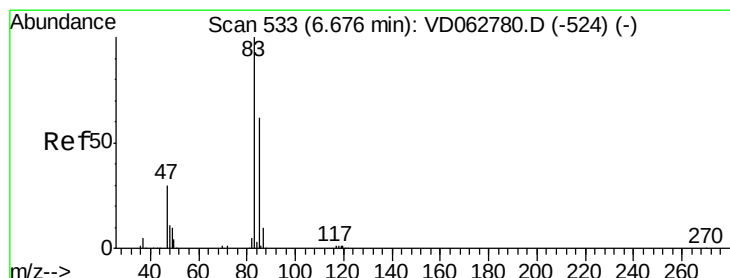
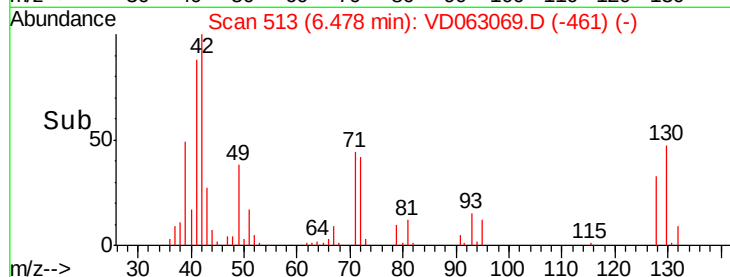
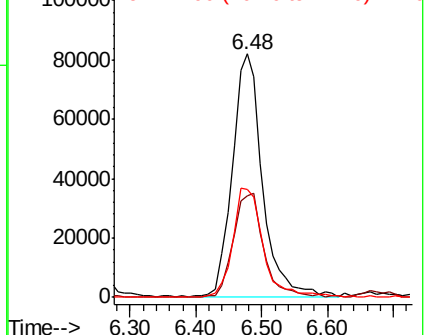
42 100

72 43.6 35.0 52.6

71 45.3 33.3 49.9



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: 54.480 ug/l

RT: 6.67 min Scan# 533

Delta R.T. -0.00 min

Lab File: VD063069.D

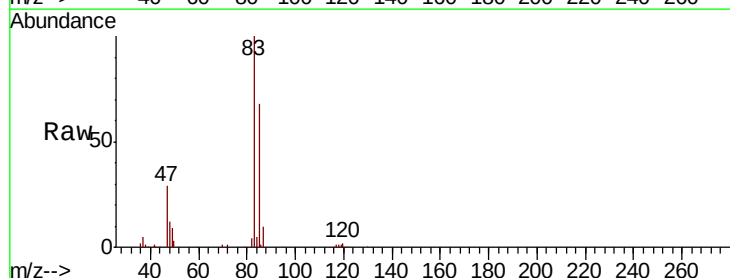
Acq: 12 Jul 2019 14:01

Tgt Ion: 83 Resp: 968050

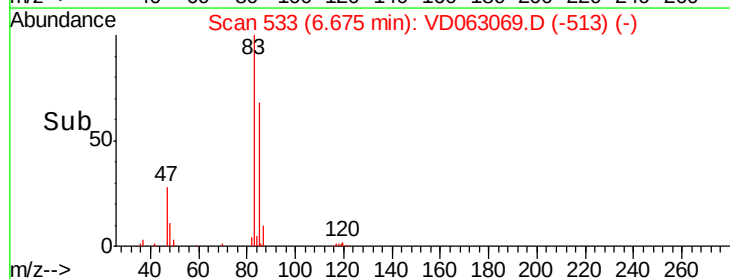
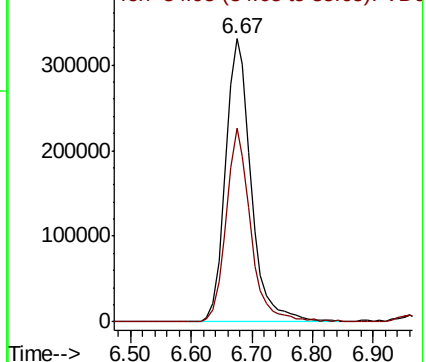
Ion Ratio Lower Upper

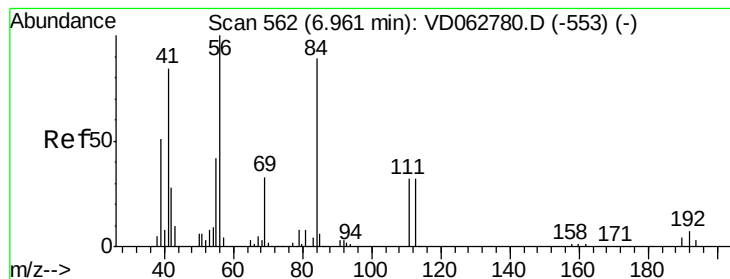
83 100

85 68.3 49.8 74.6



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





#31

Cyclohexane

Concen: 48.485 ug/l

RT: 6.96 min Scan# 562

Delta R.T. -0.00 min

Lab File: VD063069.D

Acq: 12 Jul 2019 14:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

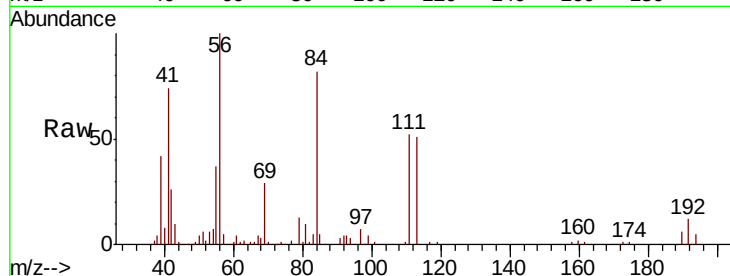
Tgt Ion: 56 Resp: 465713

Ion Ratio Lower Upper

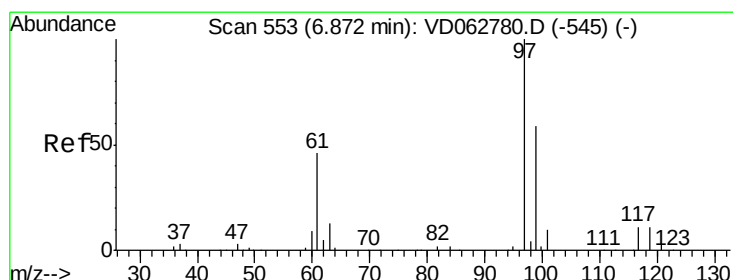
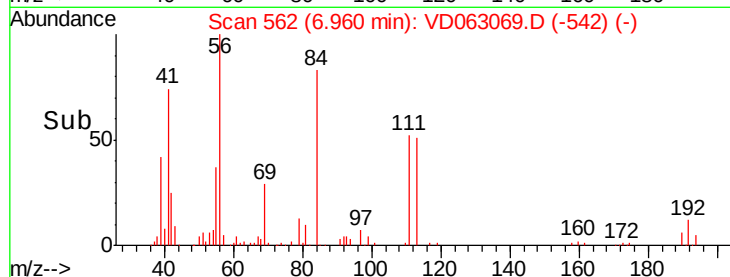
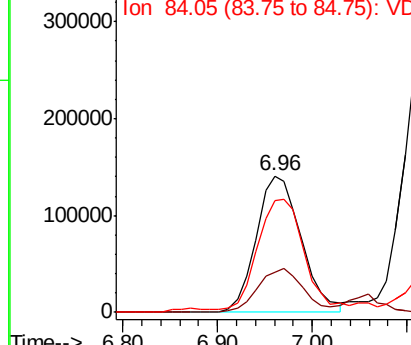
56 100

69 29.0 26.6 39.8

84 82.3 75.5 113.3



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC



#32

1,1,1-Trichloroethane

Concen: 49.443 ug/l

RT: 6.88 min Scan# 554

Delta R.T. 0.01 min

Lab File: VD063069.D

Acq: 12 Jul 2019 14:01

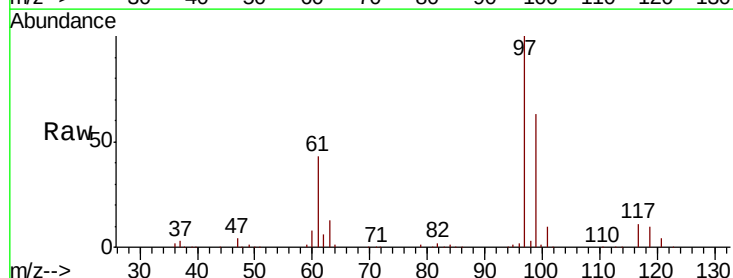
Tgt Ion: 97 Resp: 915076

Ion Ratio Lower Upper

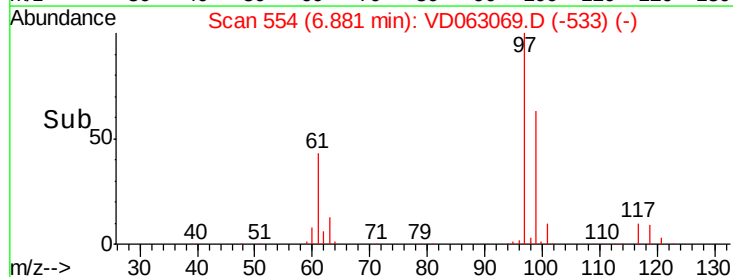
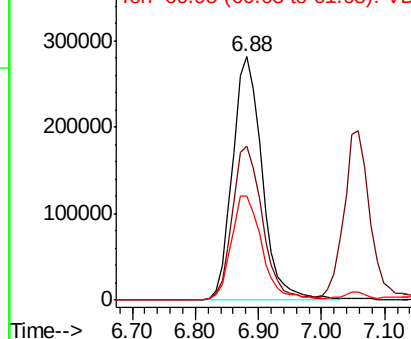
97 100

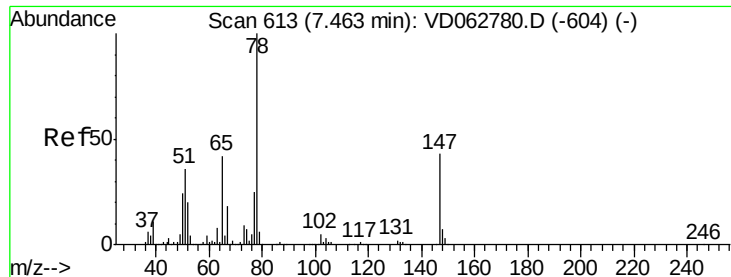
99 63.0 47.4 71.2

61 42.6 37.2 55.8



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC





#33

1,2-Dichloroethane-d4

Concen: 45.537 ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.00 min

Lab File: VD063069.D

Acq: 12 Jul 2019 14:01

Instrument :

MSVOA_D

ClientSampleId :

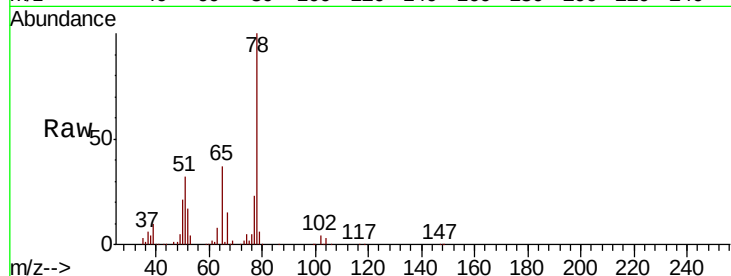
VSTDCCC050

Tgt Ion: 65 Resp: 465778

Ion Ratio Lower Upper

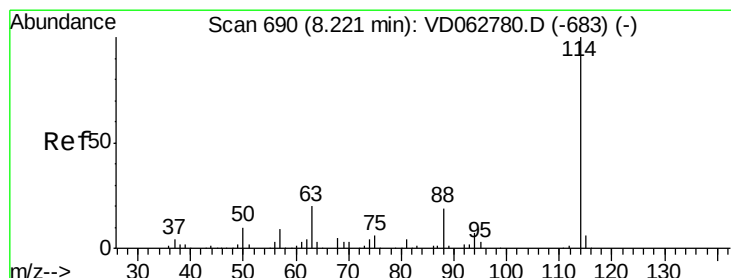
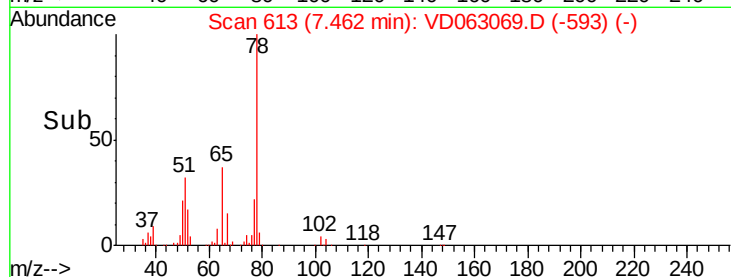
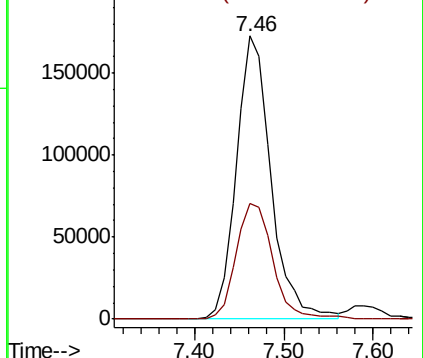
65 100

67 40.8 0.0 87.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 691

Delta R.T. 0.01 min

Lab File: VD063069.D

Acq: 12 Jul 2019 14:01

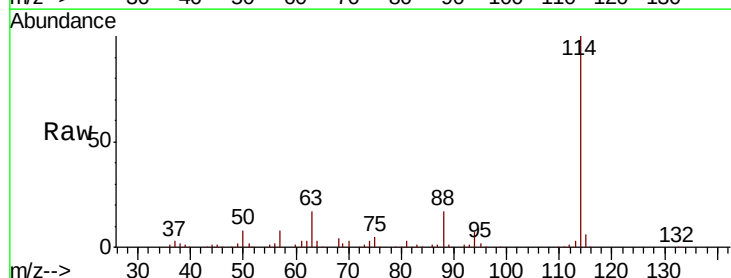
Tgt Ion: 114 Resp: 1284336

Ion Ratio Lower Upper

114 100

63 17.3 0.0 40.0

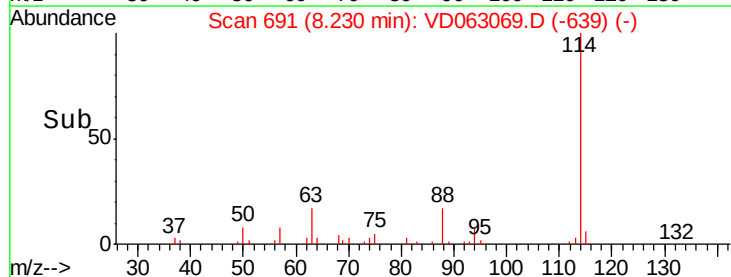
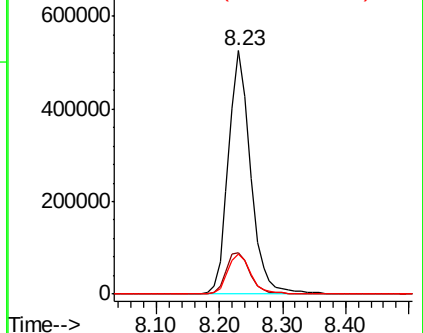
88 16.6 0.0 38.8

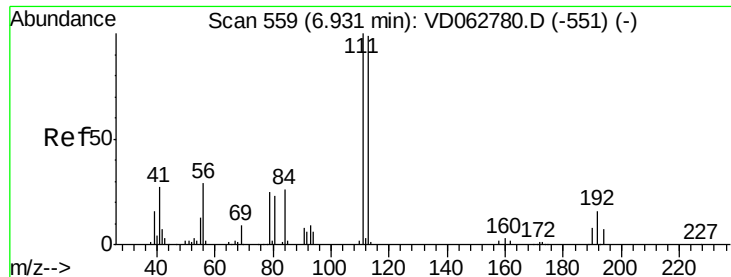


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

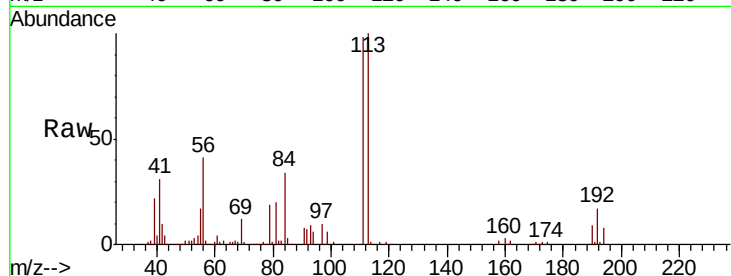




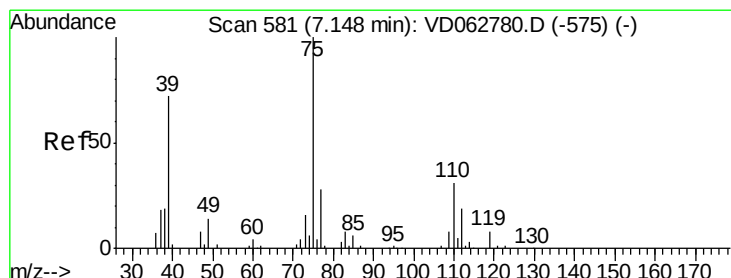
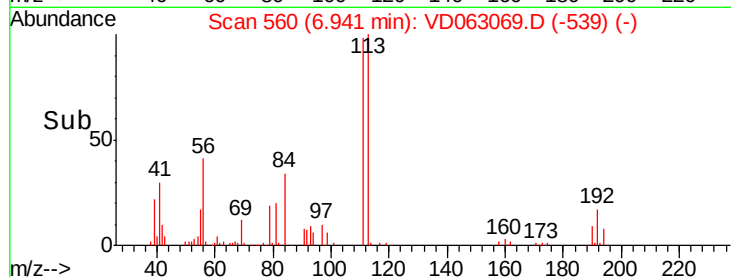
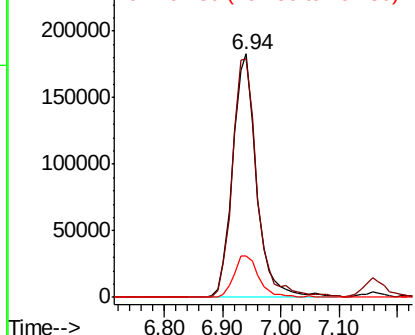
#35
 Dibromofluoromethane
 Concen: 48.151 ug/l
 RT: 6.94 min Scan# 560
 Delta R.T. 0.01 min
 Lab File: VD063069.D
 Acq: 12 Jul 2019 14:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
113	100		
111	97.9	81.2	121.8
192	16.8	12.9	19.3

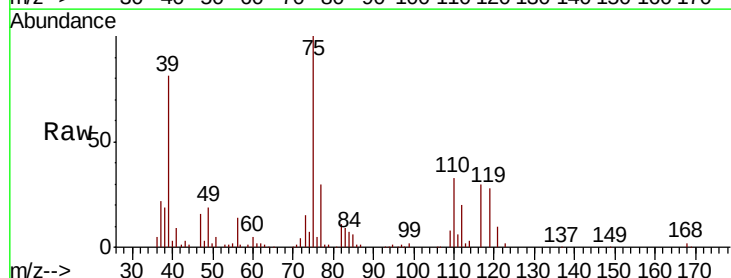


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

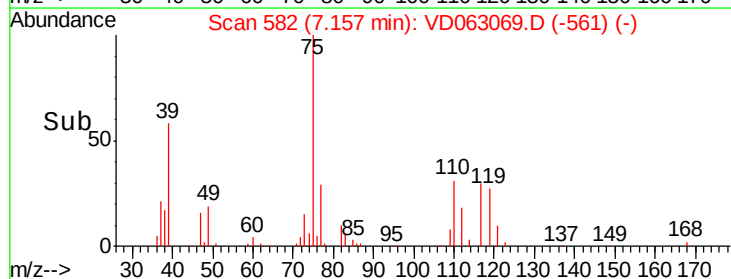
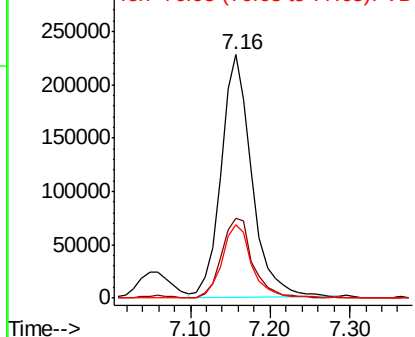


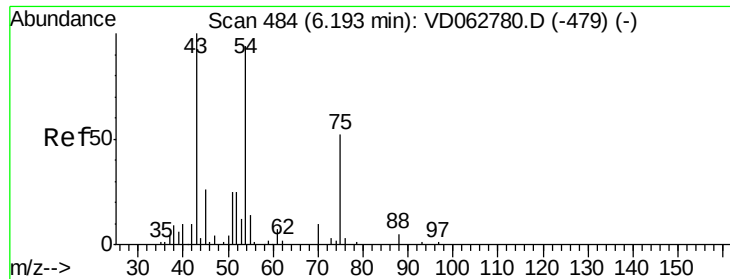
#36
 1,1-Dichloropropene
 Concen: 50.459 ug/l
 RT: 7.16 min Scan# 582
 Delta R.T. 0.01 min
 Lab File: VD063069.D
 Acq: 12 Jul 2019 14:01

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.7	15.0	45.1
77	30.1	22.2	33.2



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

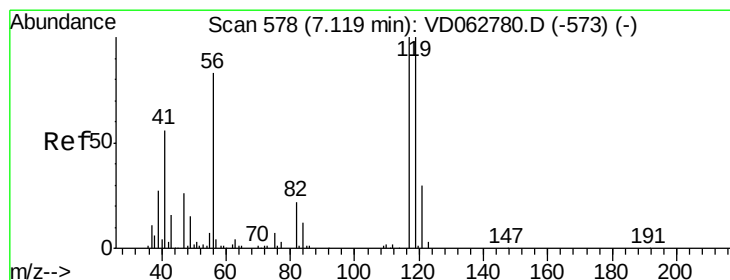
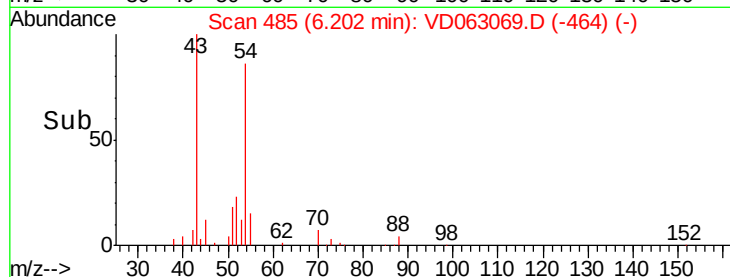
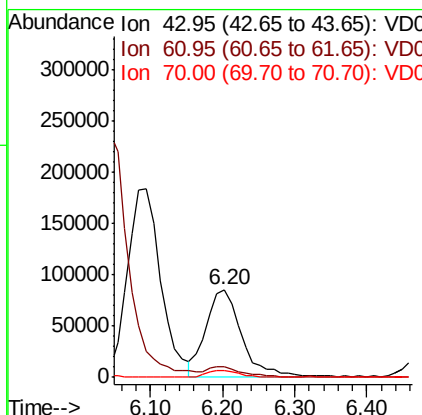
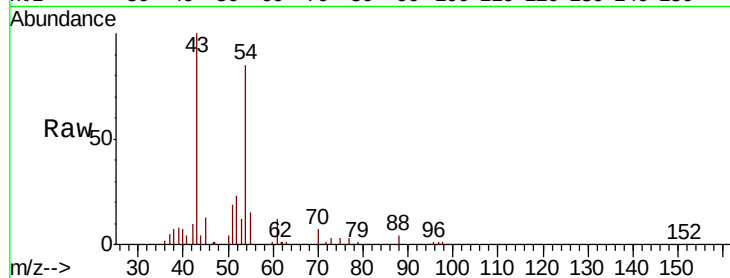




#37
Ethyl Acetate
Concen: 57.341 ug/l
RT: 6.20 min Scan# 485
Delta R.T. 0.01 min
Lab File: VD063069.D
Acq: 12 Jul 2019 14:01

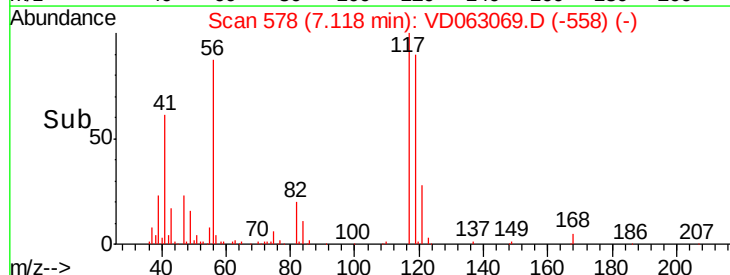
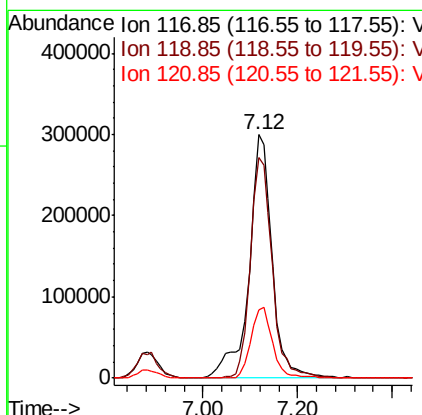
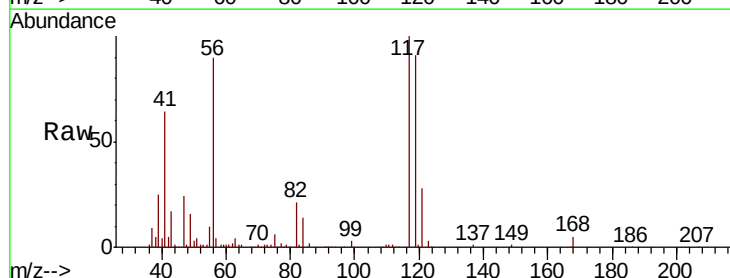
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

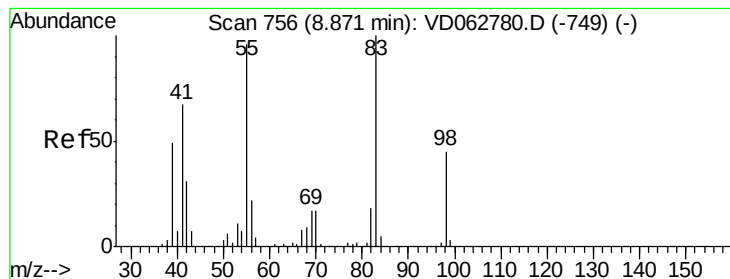
Tgt Ion: 43 Resp: 292027
Ion Ratio Lower Upper
43 100
61 12.1 11.6 17.4
70 7.4 6.4 9.6



#38
Carbon Tetrachloride
Concen: 54.969 ug/l
RT: 7.12 min Scan# 578
Delta R.T. -0.00 min
Lab File: VD063069.D
Acq: 12 Jul 2019 14:01

Tgt Ion: 117 Resp: 1005129
Ion Ratio Lower Upper
117 100
119 90.7 75.4 113.2
121 28.2 22.3 33.5





#39

Methylcyclohexane

Concen: 46.930 ug/l

RT: 8.88 min Scan# 757

Delta R.T. 0.01 min

Lab File: VD063069.D

Acq: 12 Jul 2019 14:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

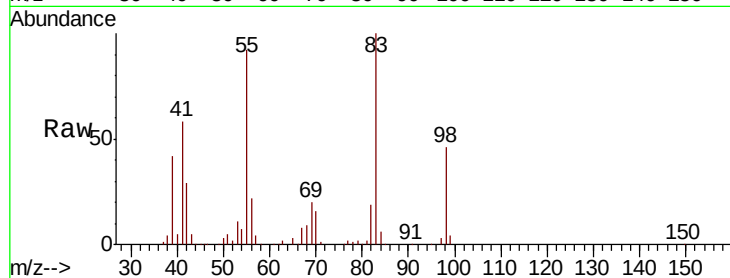
Tgt Ion: 83 Resp: 502246

Ion Ratio Lower Upper

83 100

55 92.0 76.6 115.0

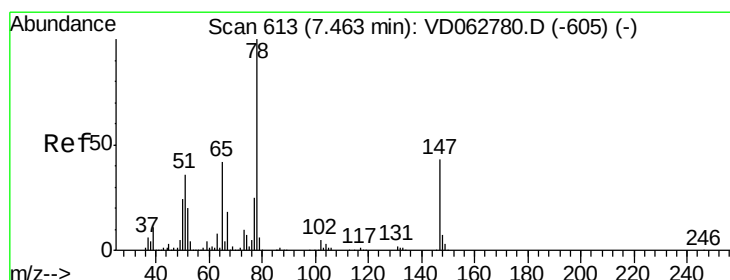
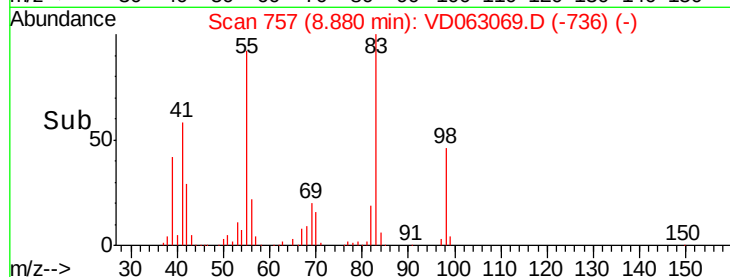
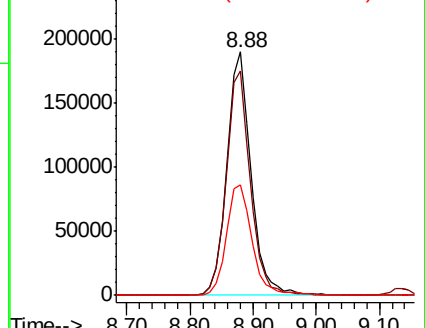
98 45.6 35.7 53.5



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: 53.326 ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.00 min

Lab File: VD063069.D

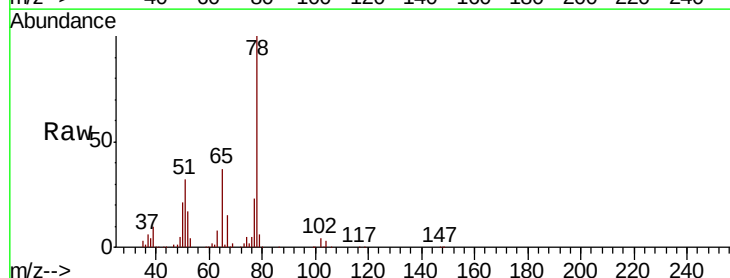
Acq: 12 Jul 2019 14:01

Tgt Ion: 78 Resp: 1301406

Ion Ratio Lower Upper

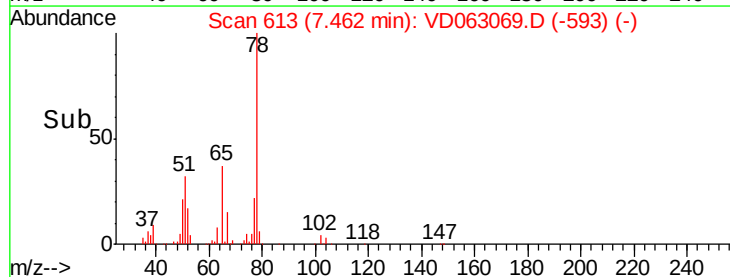
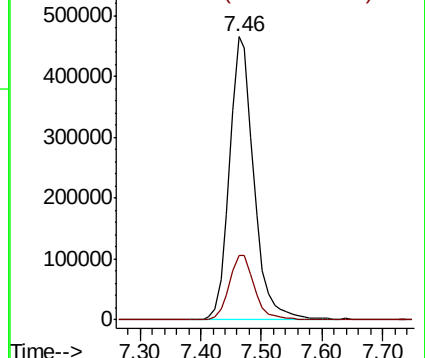
78 100

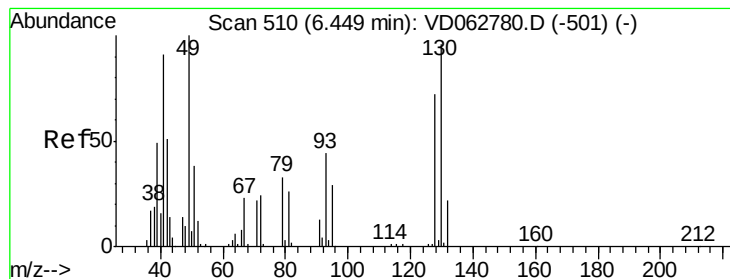
77 22.6 20.2 30.2



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 54.535 ug/l

RT: 6.46 min Scan# 511

Delta R.T. 0.01 min

Lab File: VD063069.D

Acq: 12 Jul 2019 14:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 41 Resp: 349659

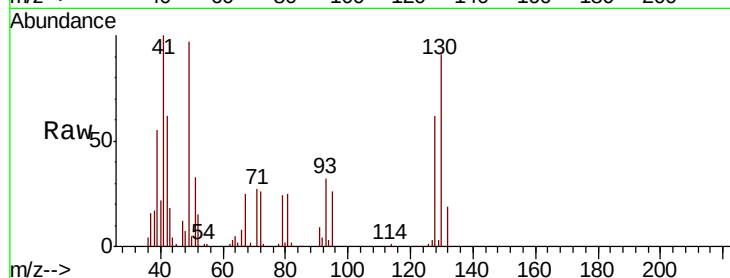
Ion Ratio Lower Upper

41 100

39 54.8 43.2 64.8

67 25.4 19.9 29.9

52 15.5 10.2 15.4#

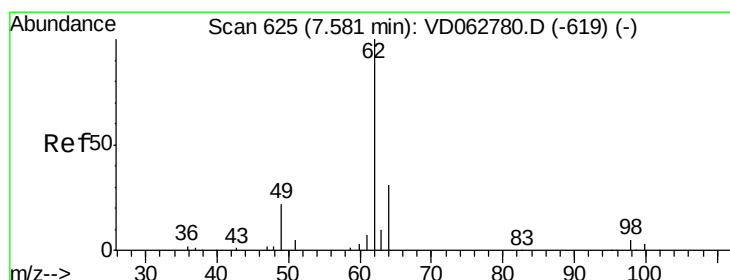
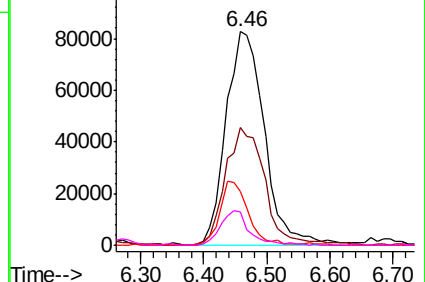
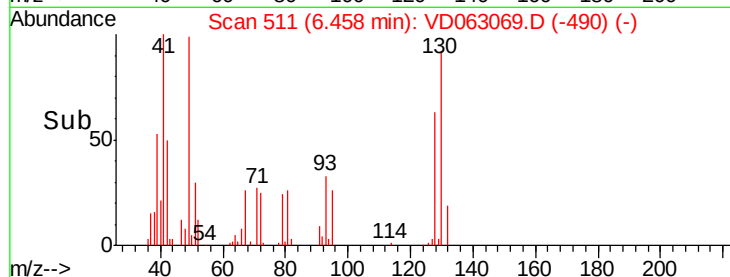


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 53.273 ug/l

RT: 7.59 min Scan# 626

Delta R.T. 0.01 min

Lab File: VD063069.D

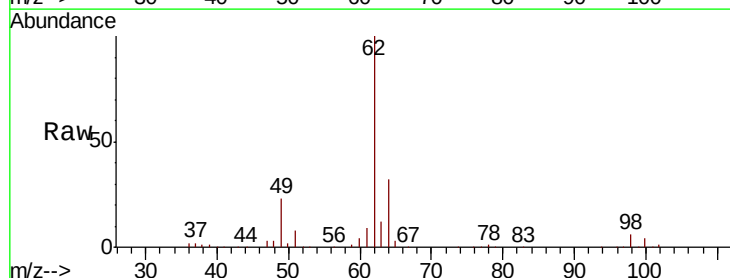
Acq: 12 Jul 2019 14:01

Tgt Ion: 62 Resp: 709249

Ion Ratio Lower Upper

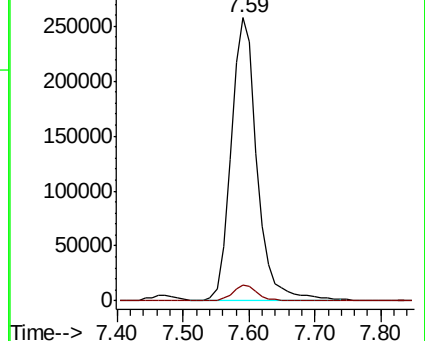
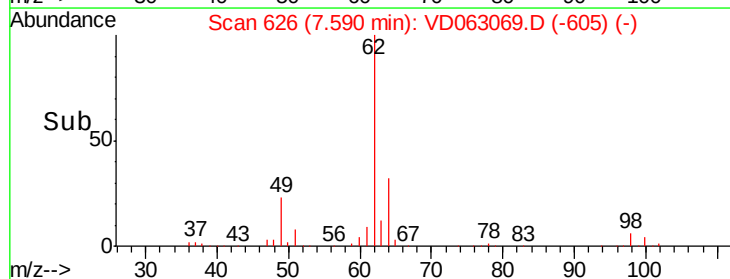
62 100

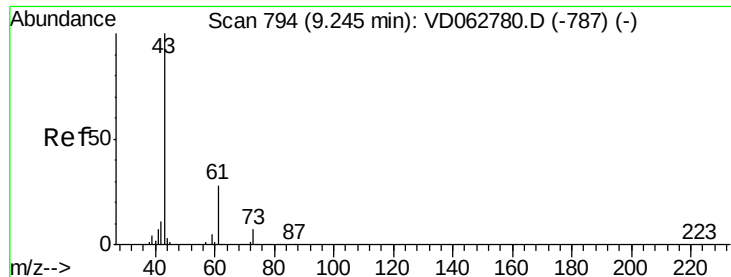
98 5.7 0.0 10.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 62.350 ug/l

RT: 9.25 min Scan# 795

Delta R.T. 0.01 min

Lab File: VD063069.D

Acq: 12 Jul 2019 14:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

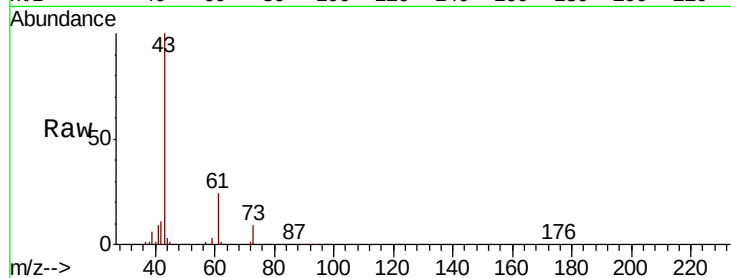
Tgt Ion: 43 Resp: 397422

Ion Ratio Lower Upper

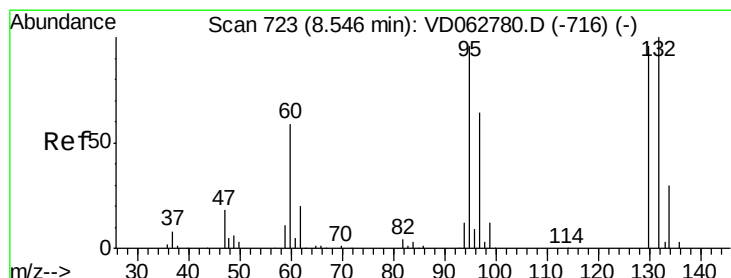
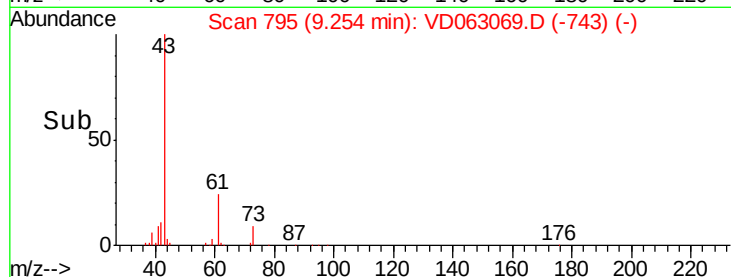
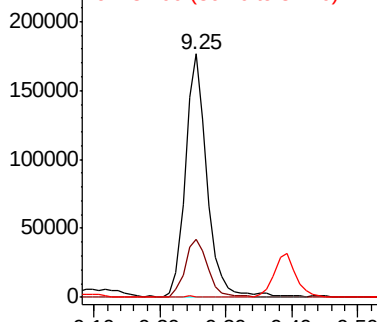
43 100

61 24.0 22.4 33.6

87 0.3 0.3 0.5



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



#44

Trichloroethene

Concen: 51.827 ug/l

RT: 8.55 min Scan# 724

Delta R.T. 0.01 min

Lab File: VD063069.D

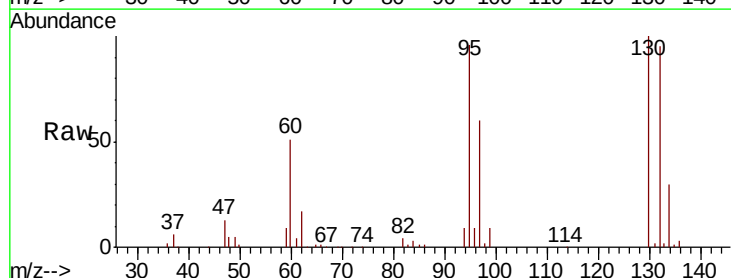
Acq: 12 Jul 2019 14:01

Tgt Ion: 130 Resp: 495869

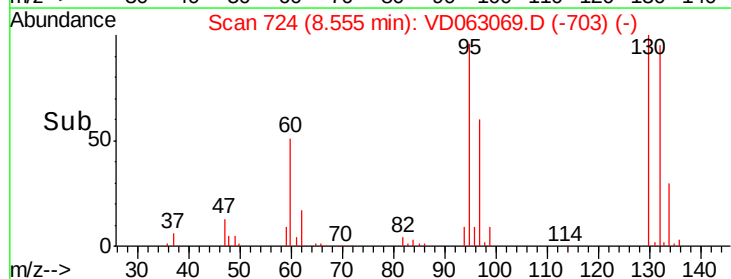
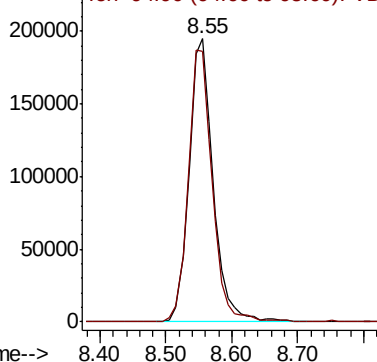
Ion Ratio Lower Upper

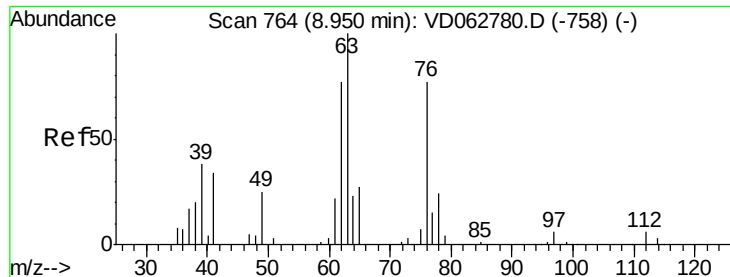
130 100

95 95.6 0.0 201.6



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





#45

1,2-Dichloropropane

Concen: 53.996 ug/l

RT: 8.95 min Scan# 764

Delta R.T. -0.00 min

Lab File: VD063069.D

Acq: 12 Jul 2019 14:01

Instrument :

MSVOA_D

ClientSampleId :

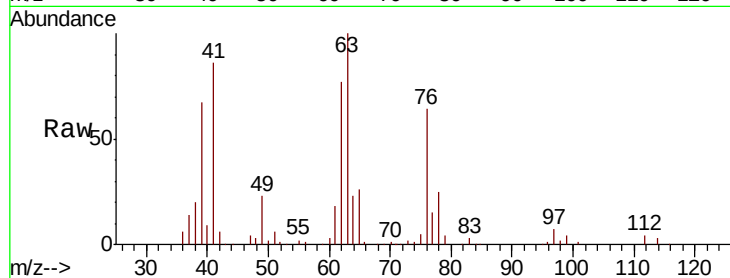
VSTDCCC050

Tgt Ion: 63 Resp: 327672

Ion Ratio Lower Upper

63 100

65 25.7 24.2 36.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.95

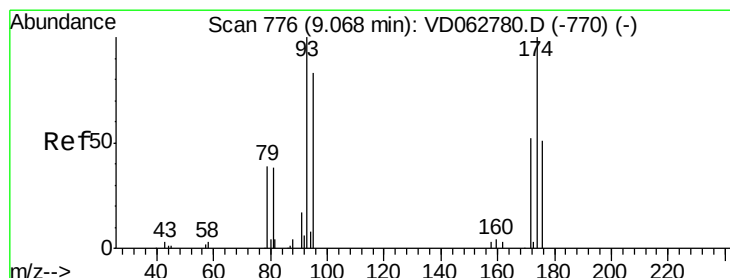
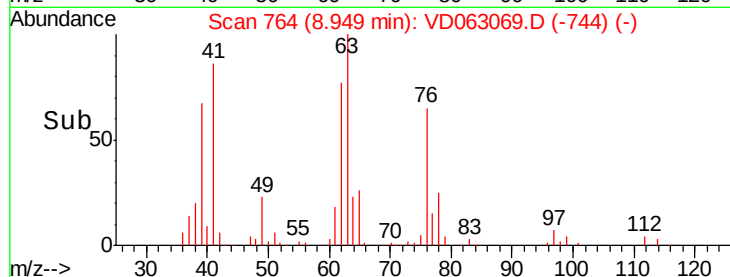
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 50.380 ug/l

RT: 9.08 min Scan# 777

Delta R.T. 0.01 min

Lab File: VD063069.D

Acq: 12 Jul 2019 14:01

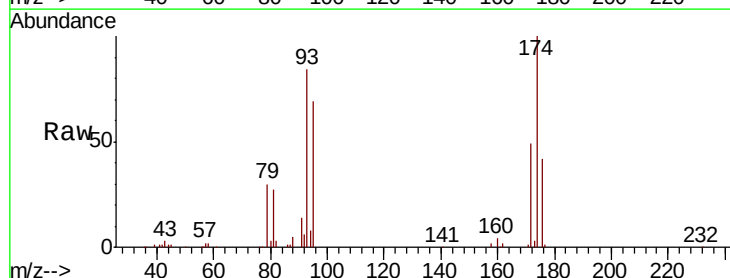
Tgt Ion: 93 Resp: 262627

Ion Ratio Lower Upper

93 100

95 82.2 66.6 100.0

174 118.5 79.7 119.5



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

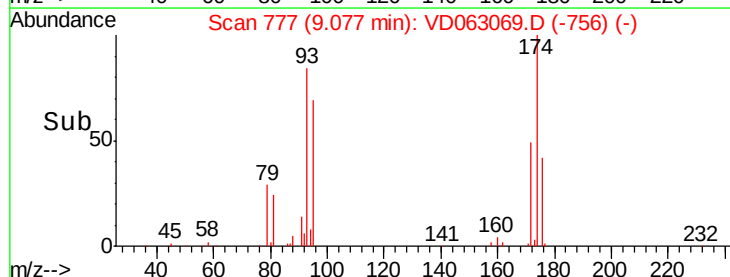
150000

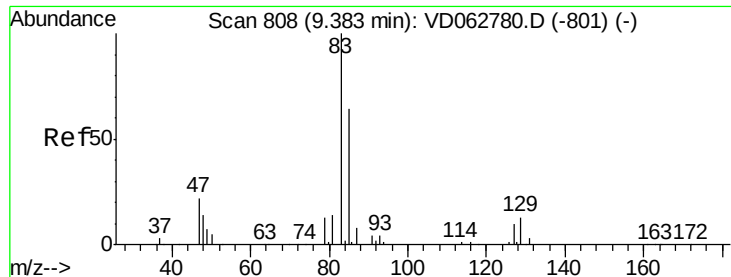
100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 54.485 ug/l

RT: 9.39 min Scan# 809

Delta R.T. 0.01 min

Lab File: VD063069.D

Acq: 12 Jul 2019 14:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

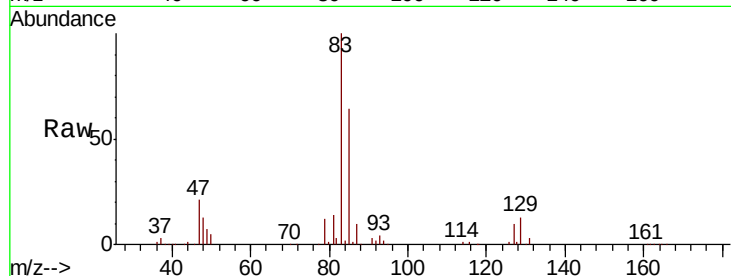
Tgt Ion: 83 Resp: 737642

Ion Ratio Lower Upper

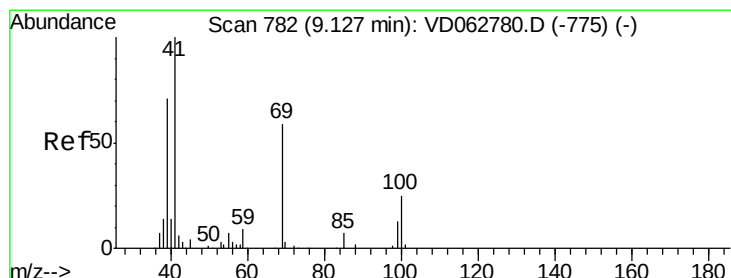
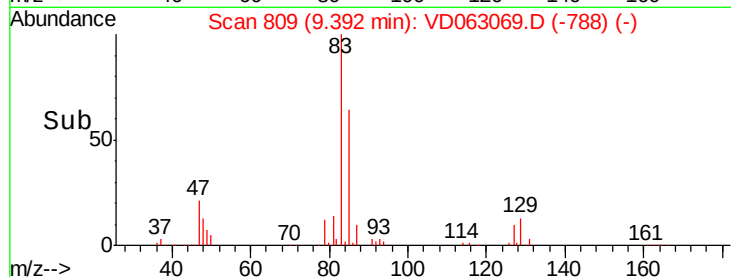
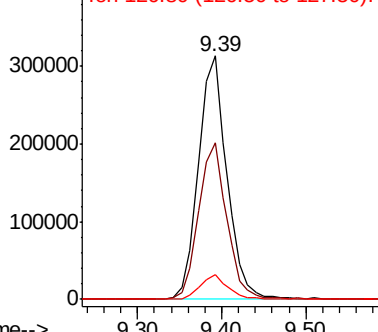
83 100

85 64.4 51.6 77.4

127 10.2 7.8 11.6



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: 50.842 ug/l

RT: 9.14 min Scan# 783

Delta R.T. 0.01 min

Lab File: VD063069.D

Acq: 12 Jul 2019 14:01

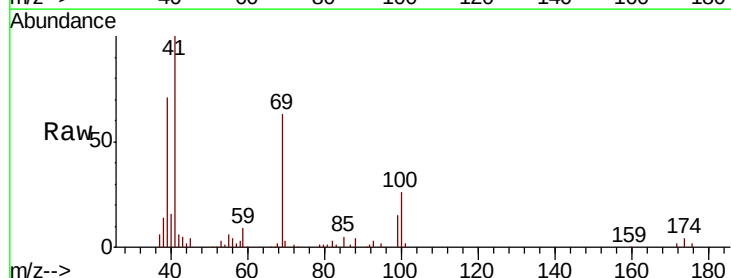
Tgt Ion: 41 Resp: 230295

Ion Ratio Lower Upper

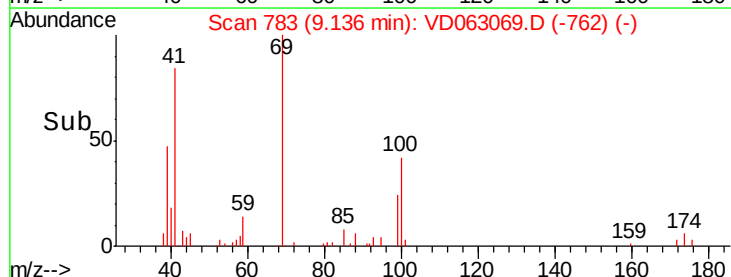
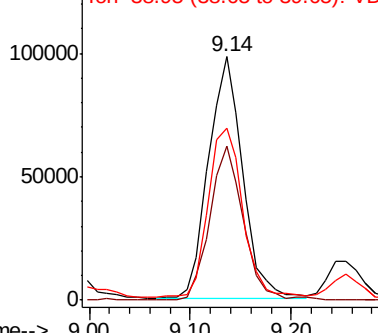
41 100

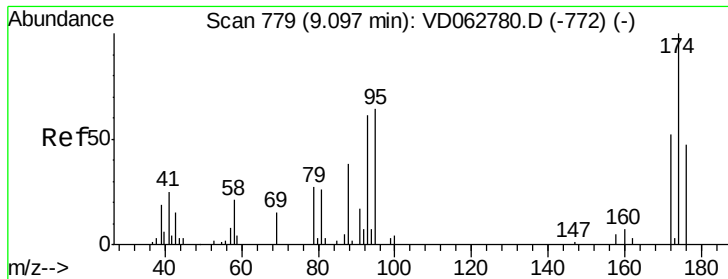
69 63.1 47.2 70.8

39 70.6 57.4 86.2



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

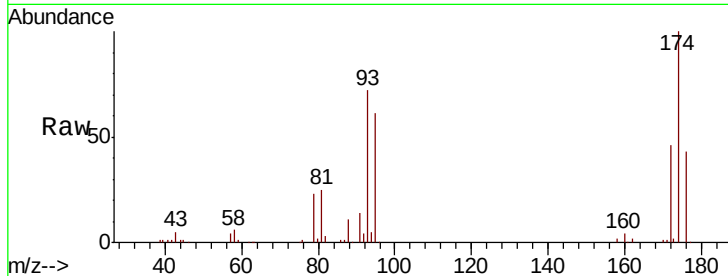




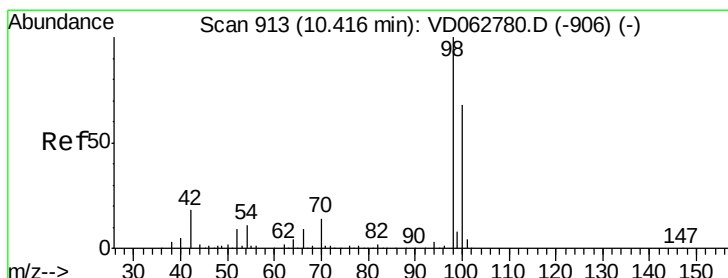
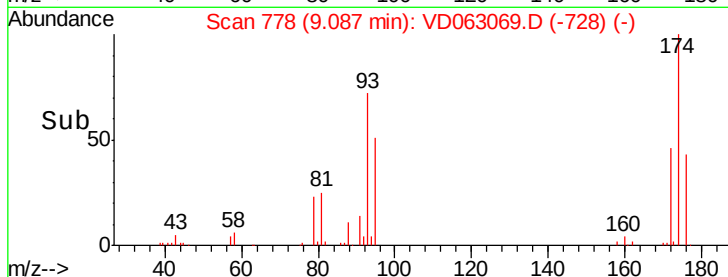
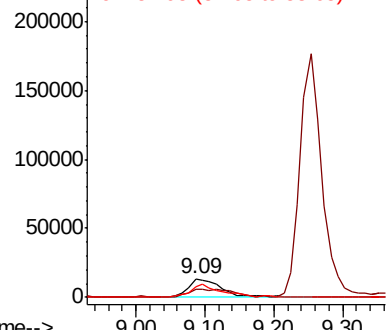
#49
 1,4-Dioxane
 Concen: 1220.787 ug/l
 RT: 9.09 min Scan# 778
 Delta R.T. -0.01 min
 Lab File: VD063069.D
 Acq: 12 Jul 2019 14:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 88 Resp: 46005
 Ion Ratio Lower Upper
 88 100
 43 46.0 32.1 48.1
 58 53.9 44.1 66.1

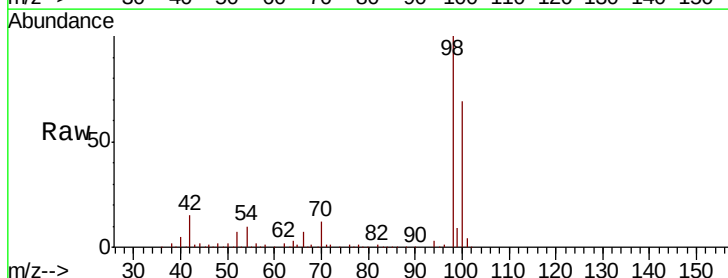


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

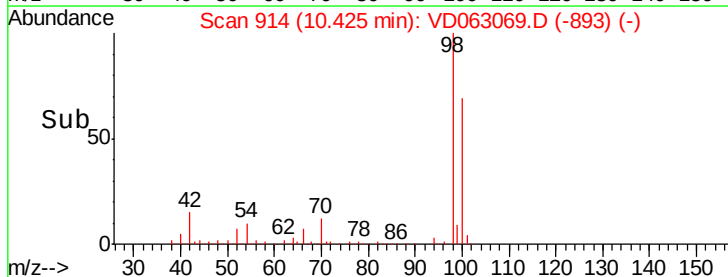
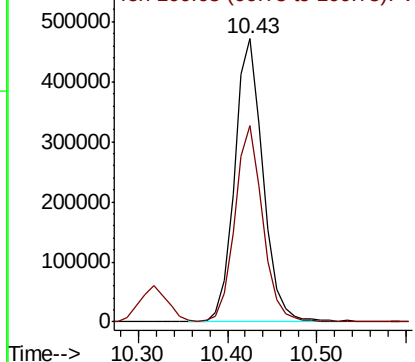


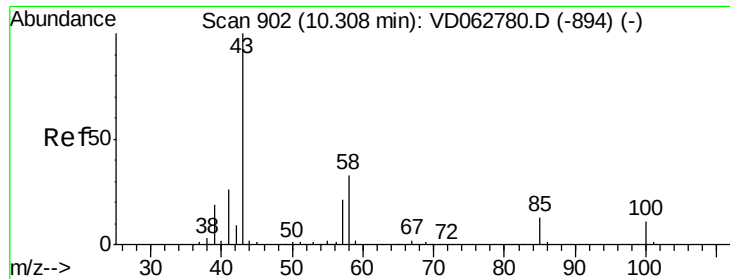
#50
 Toluene-d8
 Concen: 44.285 ug/l
 RT: 10.43 min Scan# 914
 Delta R.T. 0.01 min
 Lab File: VD063069.D
 Acq: 12 Jul 2019 14:01

Tgt Ion: 98 Resp: 1043783
 Ion Ratio Lower Upper
 98 100
 100 69.5 54.7 82.1



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: 279.342 ug/l

RT: 10.32 min Scan# 903

Delta R.T. 0.01 min

Lab File: VD063069.D

Acq: 12 Jul 2019 14:01

Instrument :

MSVOA_D

ClientSampleId :

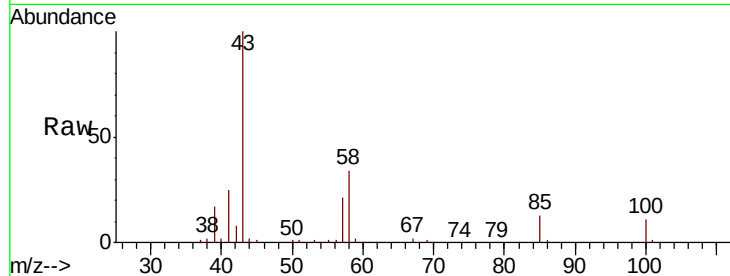
VSTDCCC050

Tgt Ion: 43 Resp: 1262395

Ion Ratio Lower Upper

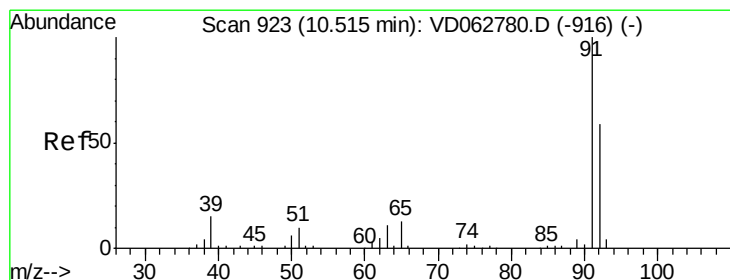
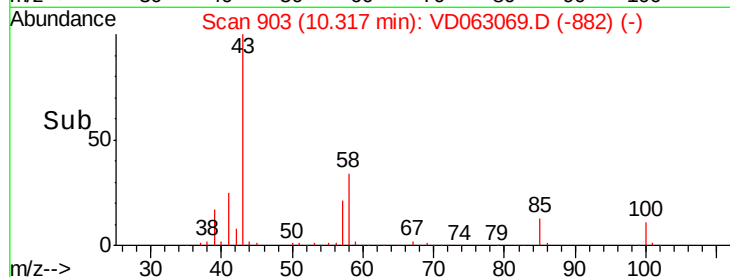
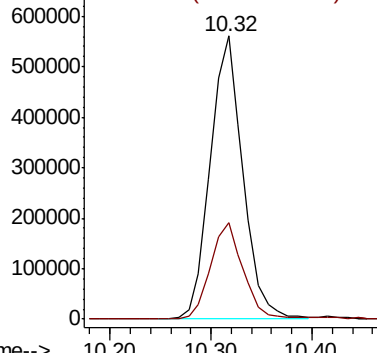
43 100

58 34.2 26.6 40.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 52.533 ug/l

RT: 10.52 min Scan# 924

Delta R.T. 0.01 min

Lab File: VD063069.D

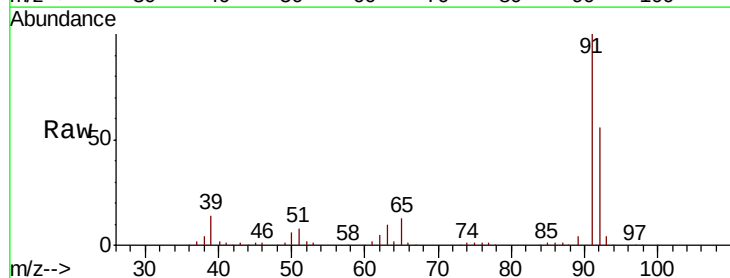
Acq: 12 Jul 2019 14:01

Tgt Ion: 92 Resp: 861813

Ion Ratio Lower Upper

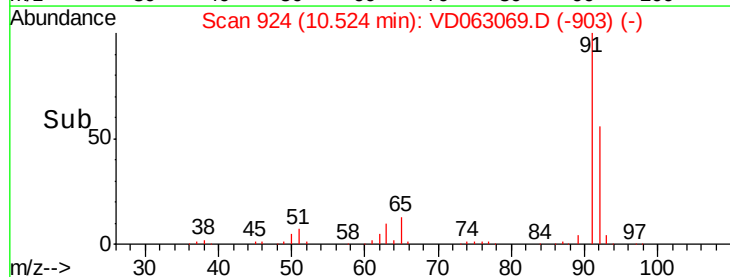
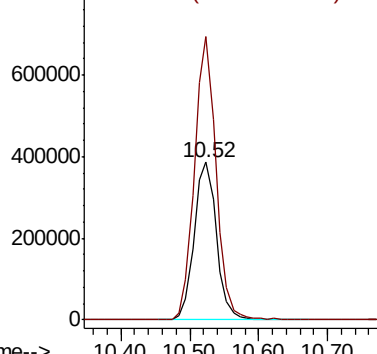
92 100

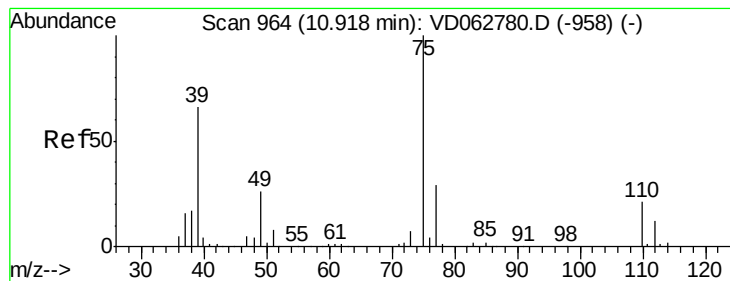
91 179.6 136.3 204.5



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: 57.209 ug/l

RT: 10.93 min Scan# 965

Delta R.T. 0.01 min

Lab File: VD063069.D

Acq: 12 Jul 2019 14:01

Instrument :

MSVOA_D

ClientSampleId :

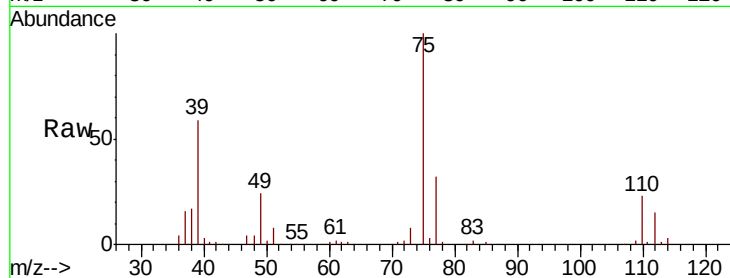
VSTDCCC050

Tgt Ion: 75 Resp: 633931

Ion Ratio Lower Upper

75 100

77 31.5 23.2 34.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

10.93

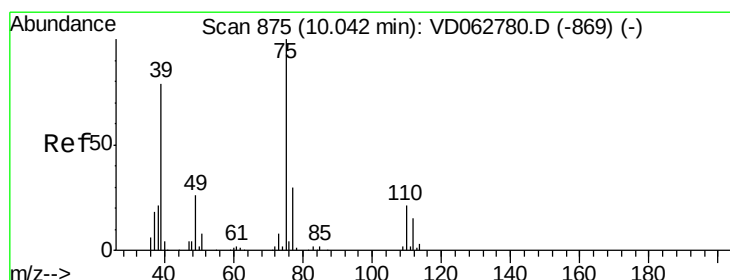
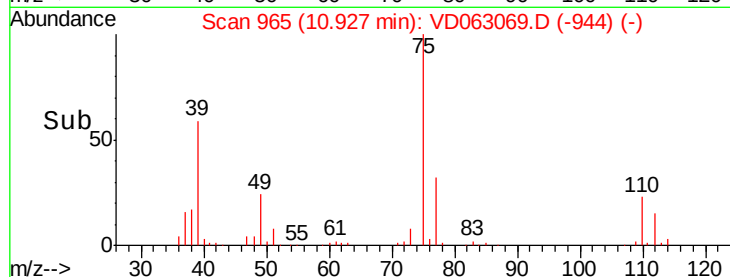
300000

200000

100000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 55.448 ug/l

RT: 10.05 min Scan# 876

Delta R.T. 0.01 min

Lab File: VD063069.D

Acq: 12 Jul 2019 14:01

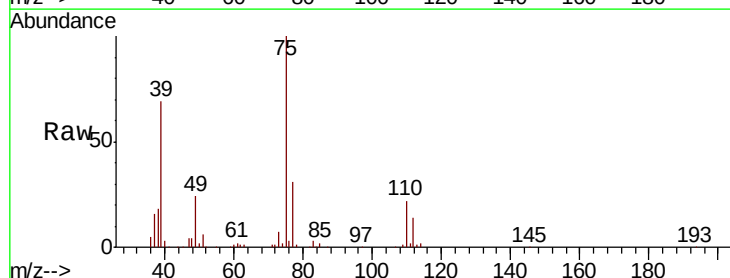
Tgt Ion: 75 Resp: 667820

Ion Ratio Lower Upper

75 100

77 30.9 24.2 36.2

39 68.6 63.5 95.3



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

10.05

400000

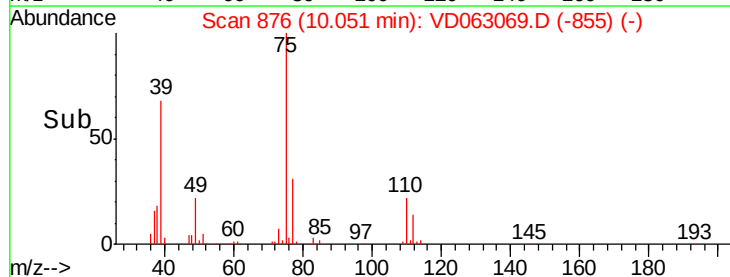
300000

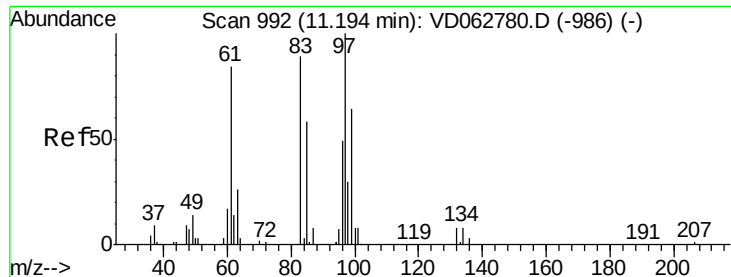
200000

100000

0

Time-->

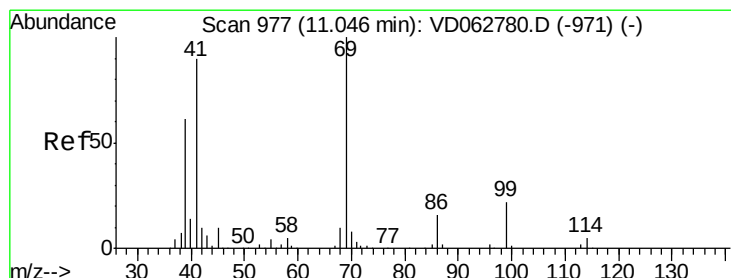
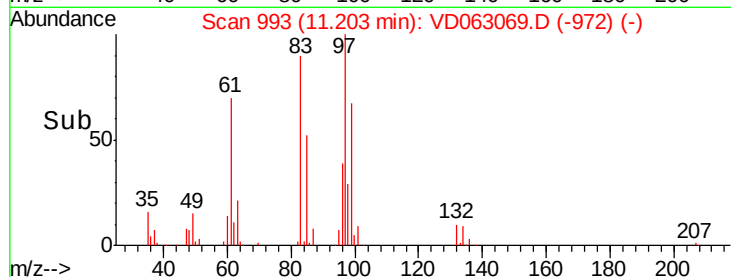
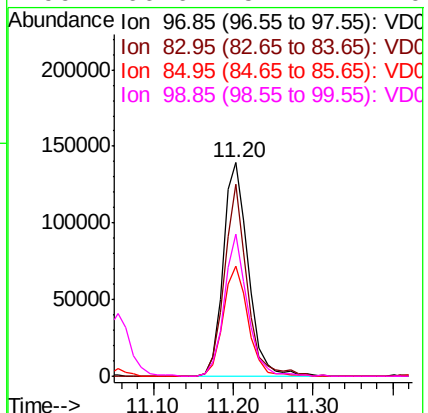
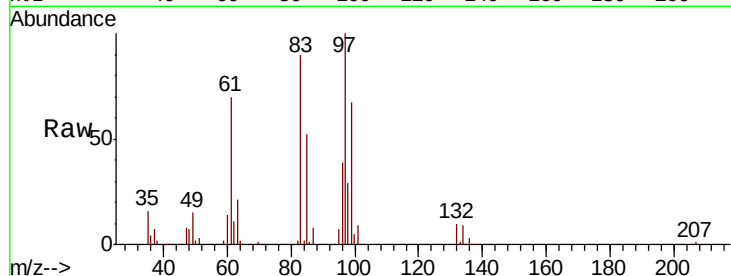




#55
 1,1,2-Trichloroethane
 Concen: 54.675 ug/l
 RT: 11.20 min Scan# 993
 Delta R.T. 0.01 min
 Lab File: VD063069.D
 Acq: 12 Jul 2019 14:01

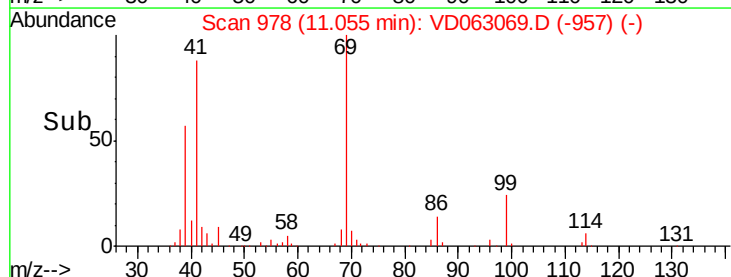
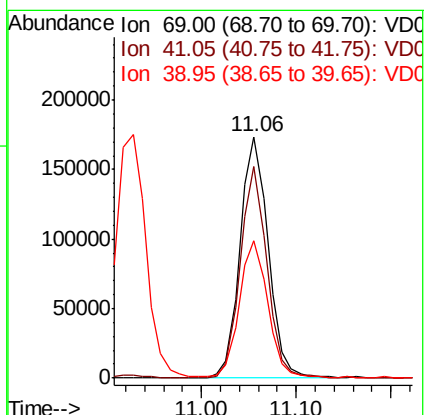
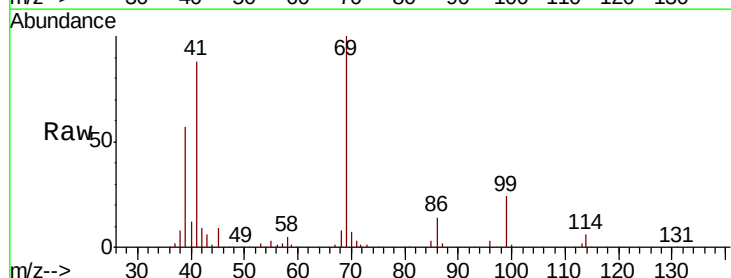
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

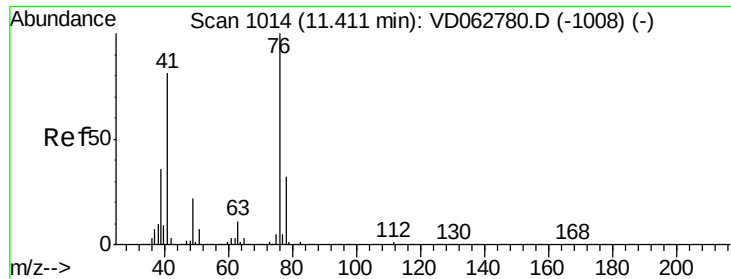
Tgt Ion: 97 Resp: 308158
 Ion Ratio Lower Upper
 97 100
 83 90.0 71.0 106.4
 85 51.8 46.6 69.8
 99 66.6 51.4 77.0



#56
 Ethyl methacrylate
 Concen: 59.369 ug/l
 RT: 11.06 min Scan# 978
 Delta R.T. 0.01 min
 Lab File: VD063069.D
 Acq: 12 Jul 2019 14:01

Tgt Ion: 69 Resp: 357599
 Ion Ratio Lower Upper
 69 100
 41 87.7 72.0 108.0
 39 57.0 49.5 74.3





#57

1,3-Dichloropropane

Concen: 52.902 ug/l

RT: 11.42 min Scan# 1015

Delta R.T. 0.01 min

Lab File: VD063069.D

Acq: 12 Jul 2019 14:01

Instrument :

MSVOA_D

ClientSampleId :

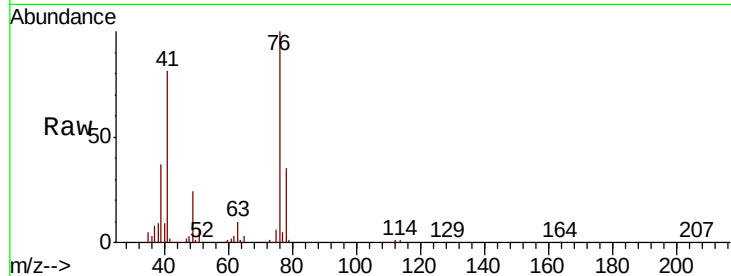
VSTDCCC050

Tgt Ion: 76 Resp: 456533

Ion Ratio Lower Upper

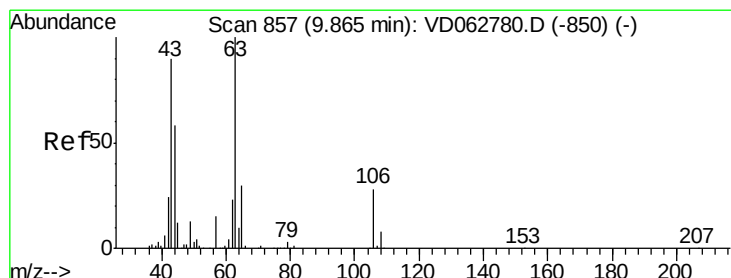
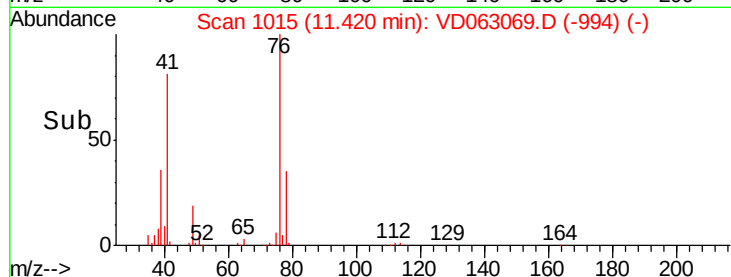
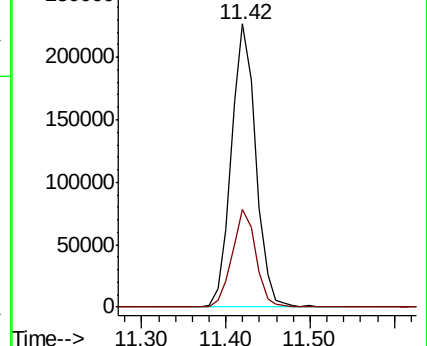
76 100

78 34.7 25.4 38.0



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 196.106 ug/l

RT: 9.87 min Scan# 858

Delta R.T. 0.01 min

Lab File: VD063069.D

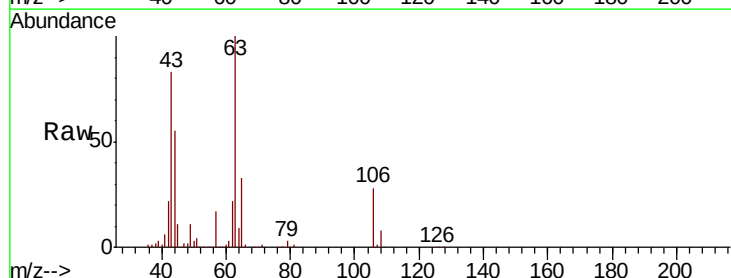
Acq: 12 Jul 2019 14:01

Tgt Ion: 63 Resp: 606412

Ion Ratio Lower Upper

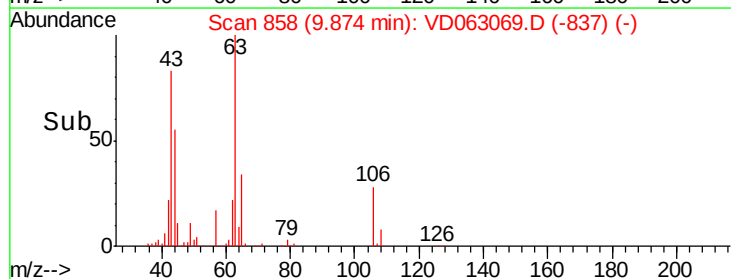
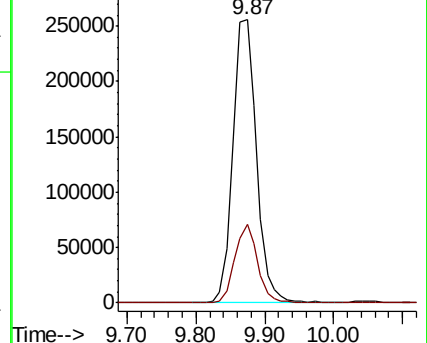
63 100

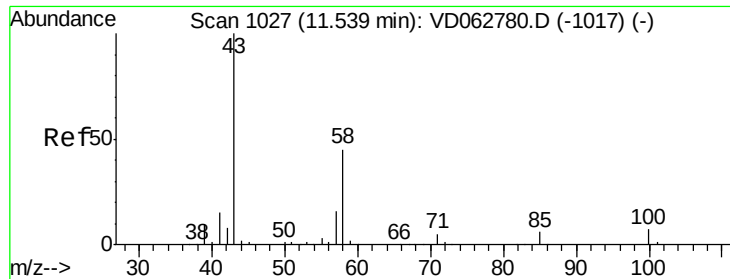
106 27.6 22.1 33.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

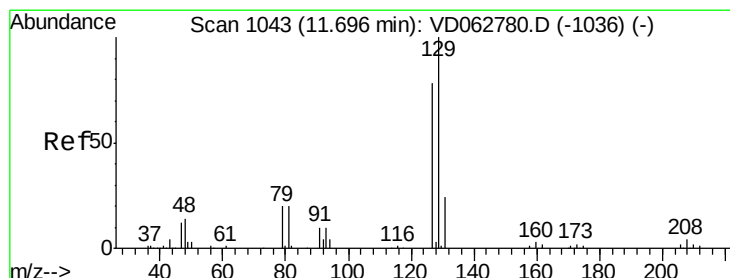
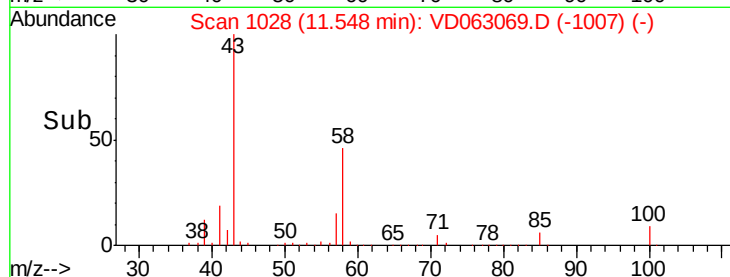
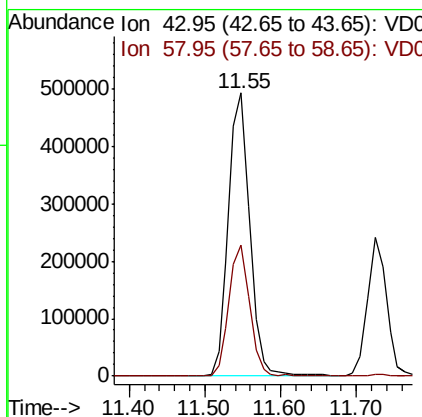
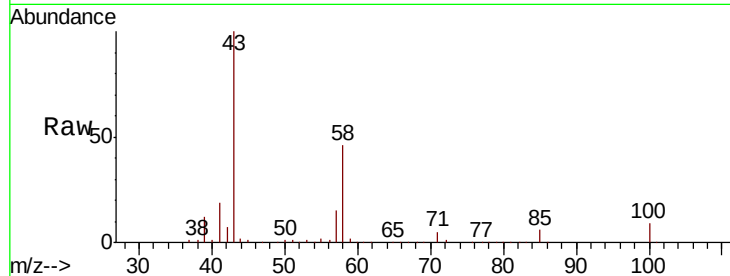




#59
2-Hexanone
Concen: 298.774 ug/l
RT: 11.55 min Scan# 1028
Delta R.T. 0.01 min
Lab File: VD063069.D
Acq: 12 Jul 2019 14:01

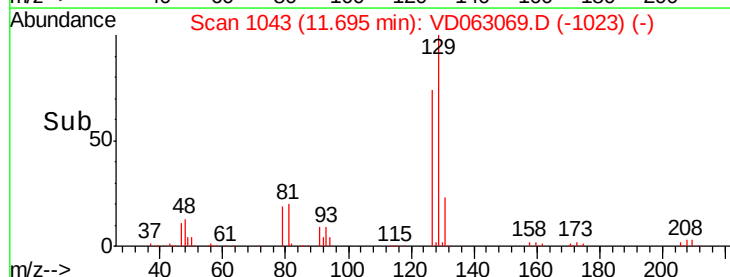
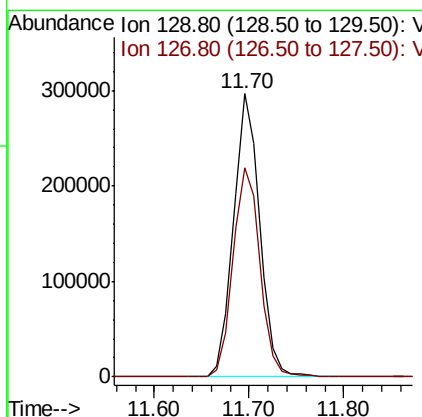
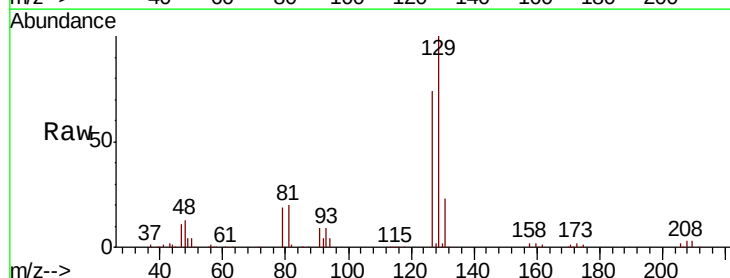
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

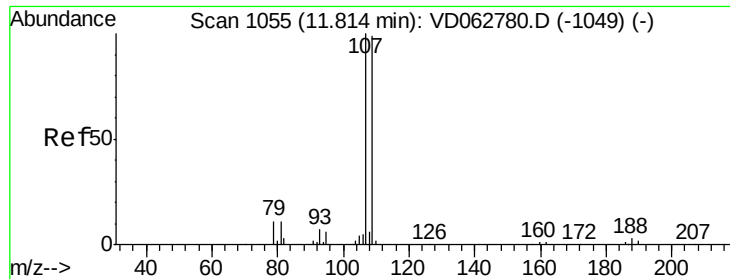
Tgt Ion: 43 Resp: 961606
Ion Ratio Lower Upper
43 100
58 46.4 22.4 67.2



#60
Dibromochloromethane
Concen: 54.281 ug/l
RT: 11.70 min Scan# 1043
Delta R.T. -0.00 min
Lab File: VD063069.D
Acq: 12 Jul 2019 14:01

Tgt Ion: 129 Resp: 569853
Ion Ratio Lower Upper
129 100
127 74.0 38.9 116.6

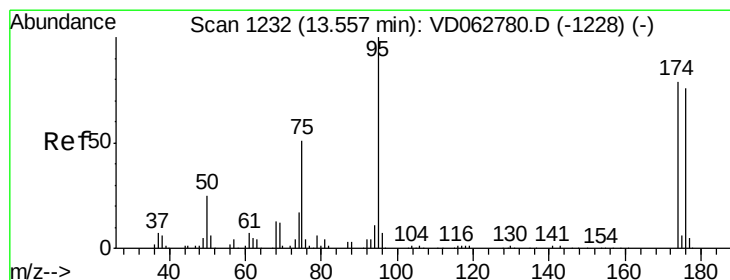
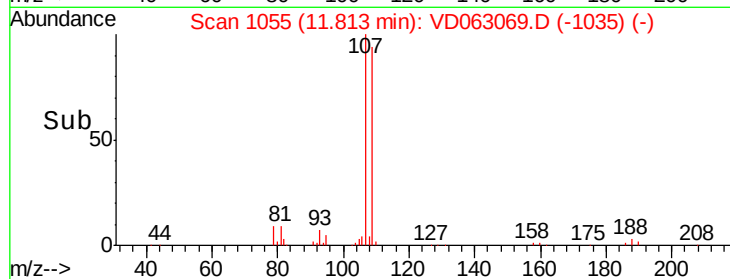
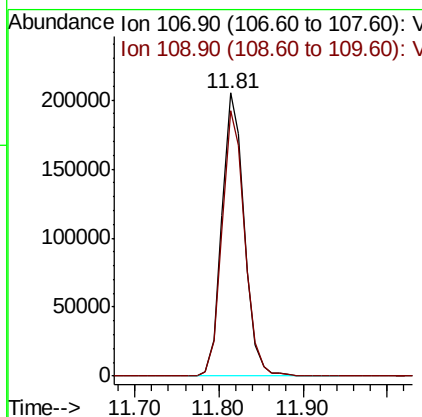
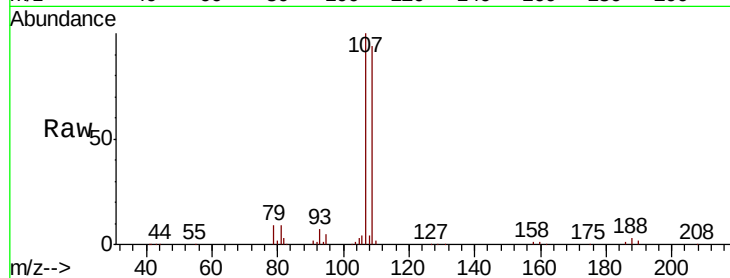




#61
 1,2-Dibromoethane
 Concen: 56.759 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. -0.00 min
 Lab File: VD063069.D
 Acq: 12 Jul 2019 14:01

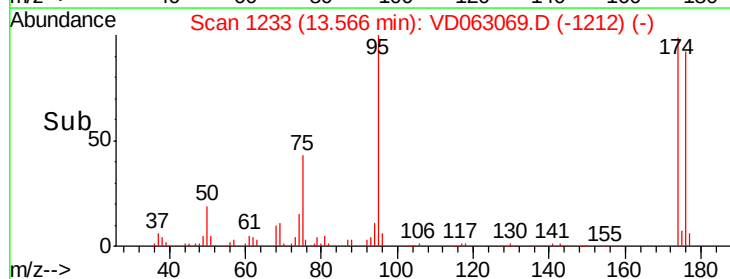
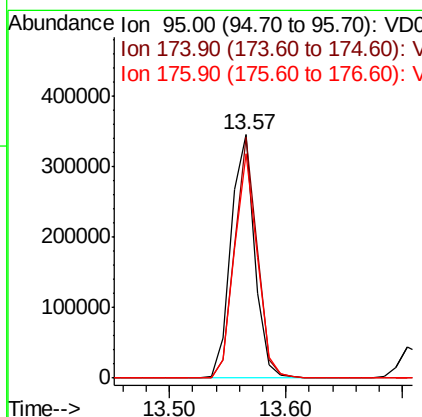
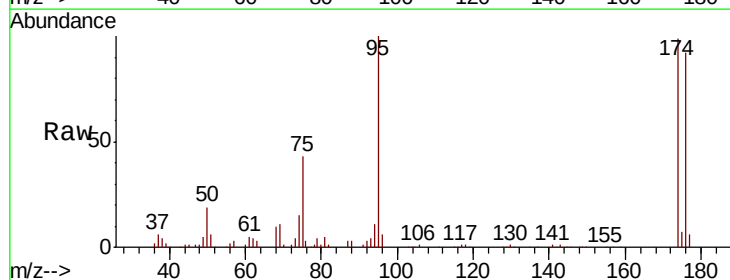
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

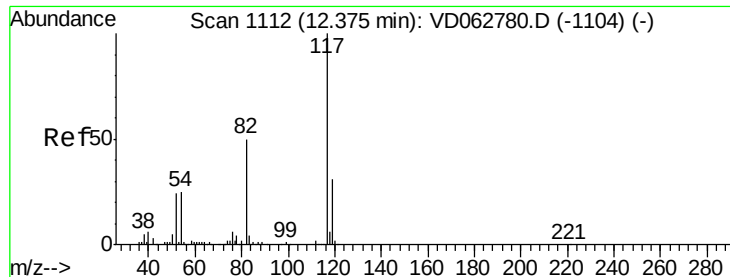
Tgt Ion: 107 Resp: 377819
 Ion Ratio Lower Upper
 107 100
 109 93.8 79.3 118.9



#62
 4-Bromofluorobenzene
 Concen: 45.319 ug/l
 RT: 13.57 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD063069.D
 Acq: 12 Jul 2019 14:01

Tgt Ion: 95 Resp: 485701
 Ion Ratio Lower Upper
 95 100
 174 98.9 0.0 158.0
 176 92.2 0.0 151.6

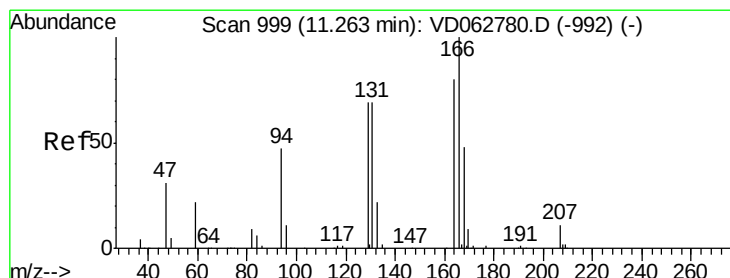
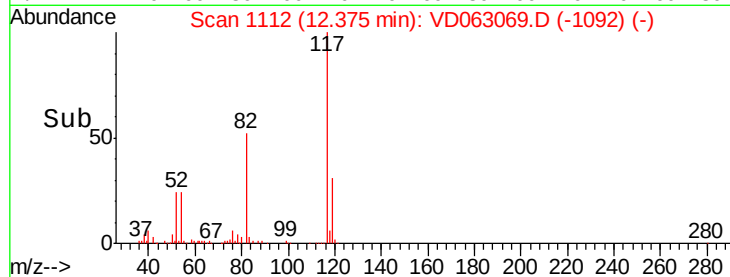
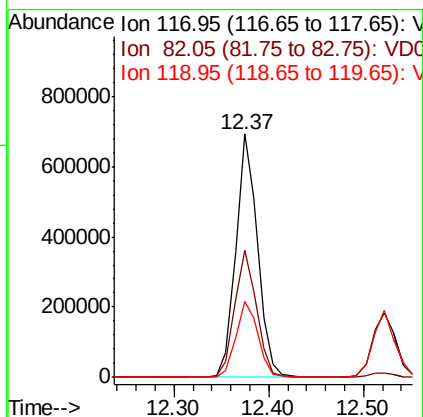
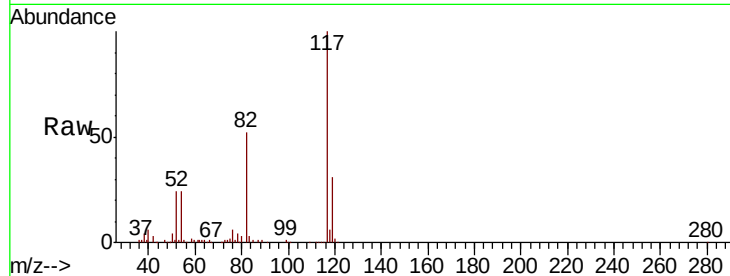




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD063069.D
Acq: 12 Jul 2019 14:01

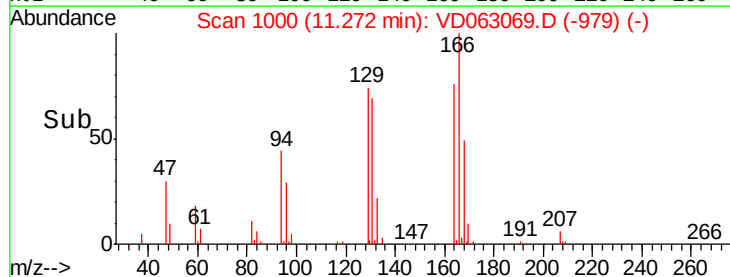
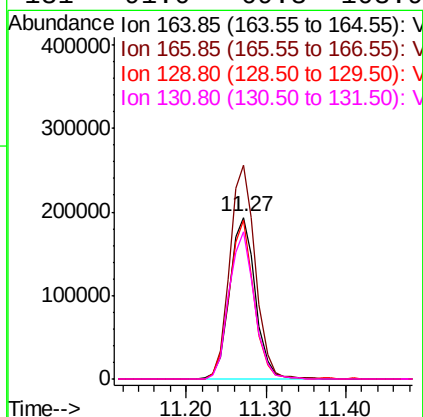
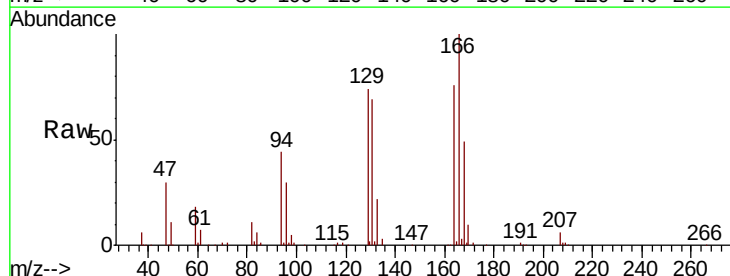
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

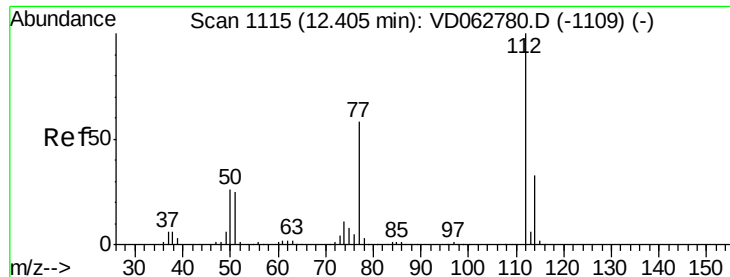
Tgt Ion:117 Resp: 1103155
Ion Ratio Lower Upper
117 100
82 52.0 40.4 60.6
119 31.2 25.2 37.8



#64
Tetrachloroethene
Concen: 47.945 ug/l
RT: 11.27 min Scan# 1000
Delta R.T. 0.01 min
Lab File: VD063069.D
Acq: 12 Jul 2019 14:01

Tgt Ion:164 Resp: 435308
Ion Ratio Lower Upper
164 100
166 132.4 100.6 150.8
129 98.3 69.4 104.0
131 91.0 69.3 103.9





#65

Chlorobenzene

Concen: 53.639 ug/l

RT: 12.40 min Scan# 1115

Delta R.T. -0.00 min

Lab File: VD063069.D

Acq: 12 Jul 2019 14:01

Instrument :

MSVOA_D

ClientSampleId :

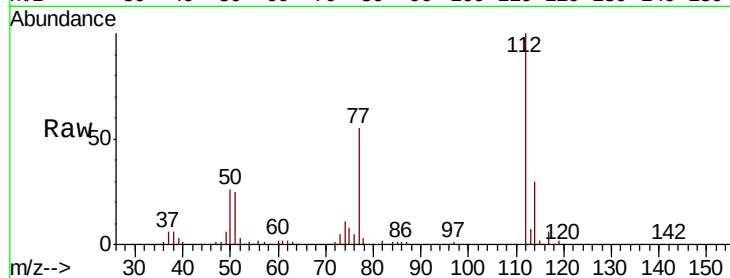
VSTDCCC050

Tgt Ion:112 Resp: 1098176

Ion Ratio Lower Upper

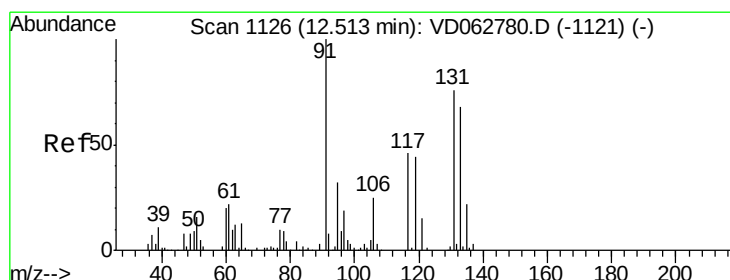
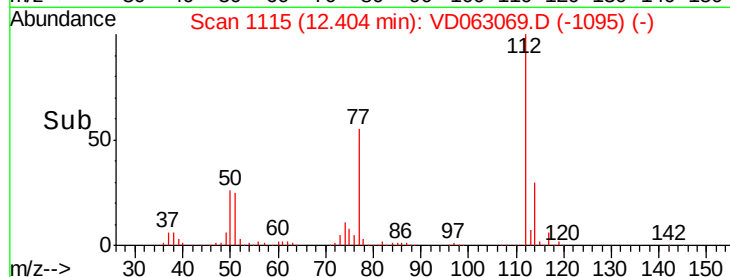
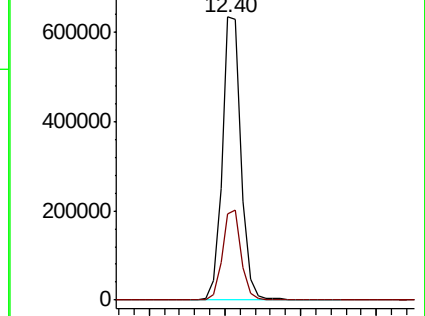
112 100

114 30.4 26.3 39.5



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 52.166 ug/l

RT: 12.52 min Scan# 1127

Delta R.T. 0.01 min

Lab File: VD063069.D

Acq: 12 Jul 2019 14:01

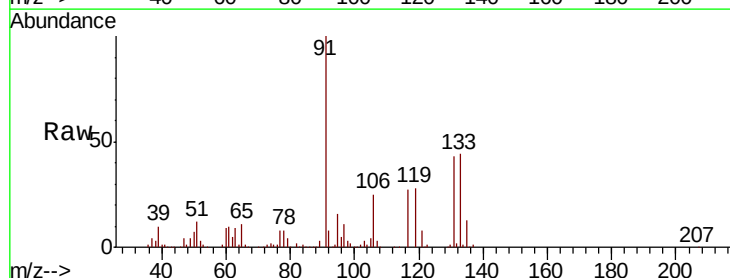
Tgt Ion:131 Resp: 499461

Ion Ratio Lower Upper

131 100

133 101.6 44.5 133.3

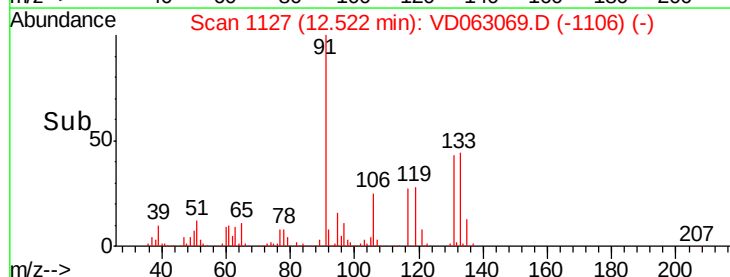
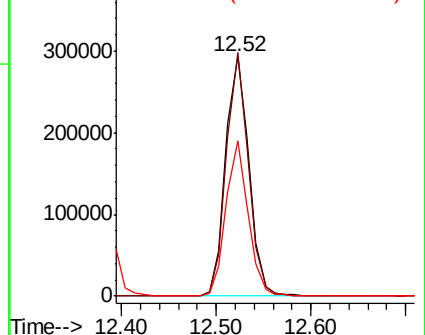
119 64.6 28.6 85.9

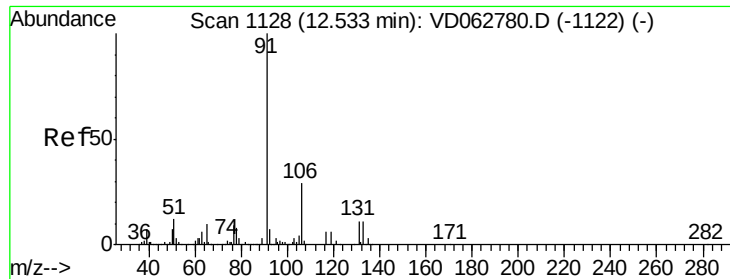


Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

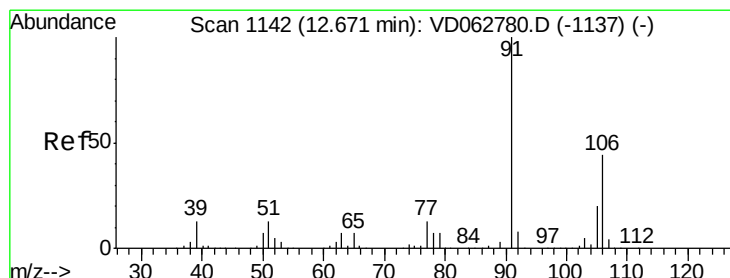
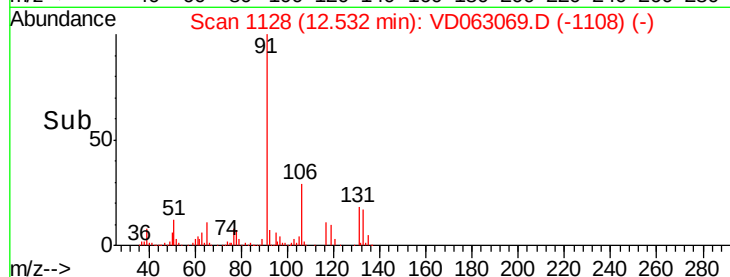
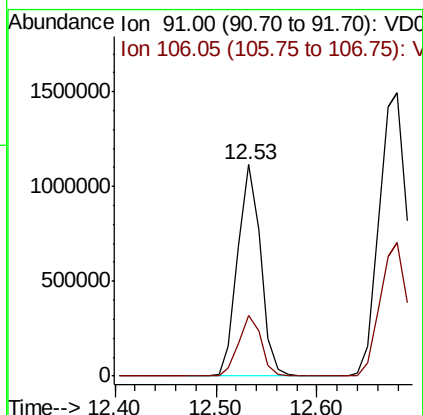
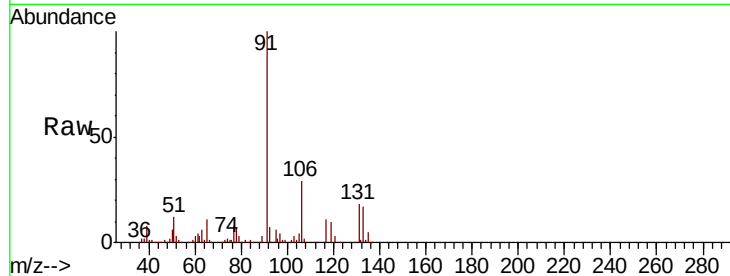




#67
Ethyl Benzene
Concen: 48.185 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VD063069.D
Acq: 12 Jul 2019 14:01

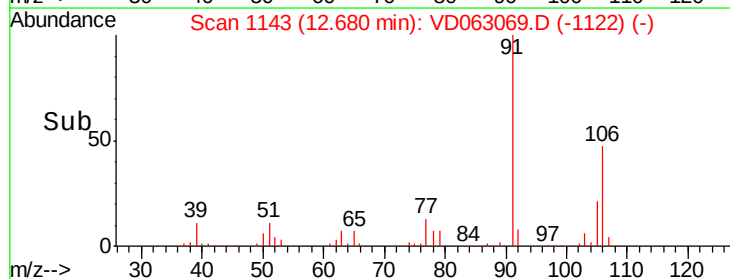
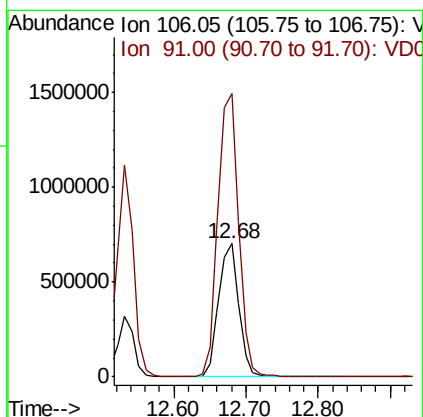
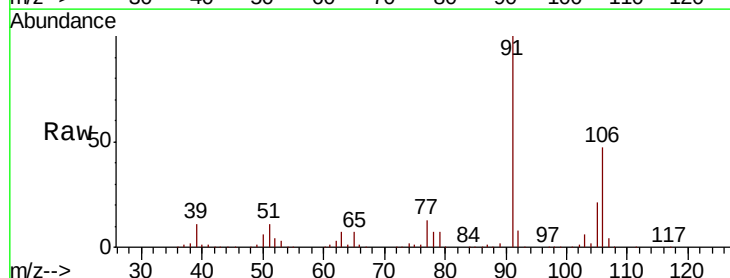
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

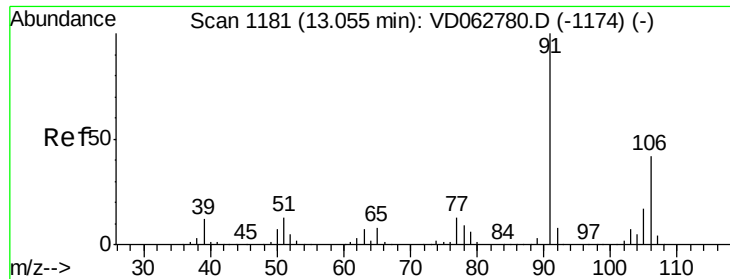
Tgt Ion: 91 Resp: 1771154
Ion Ratio Lower Upper
91 100
106 28.6 23.1 34.7



#68
m/p-Xylenes
Concen: 104.819 ug/l
RT: 12.68 min Scan# 1143
Delta R.T. 0.01 min
Lab File: VD063069.D
Acq: 12 Jul 2019 14:01

Tgt Ion: 106 Resp: 1341928
Ion Ratio Lower Upper
106 100
91 212.5 183.0 274.6

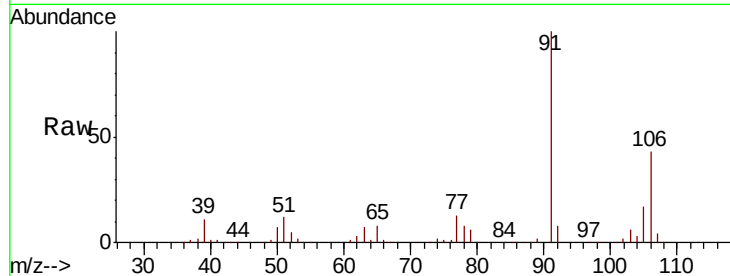




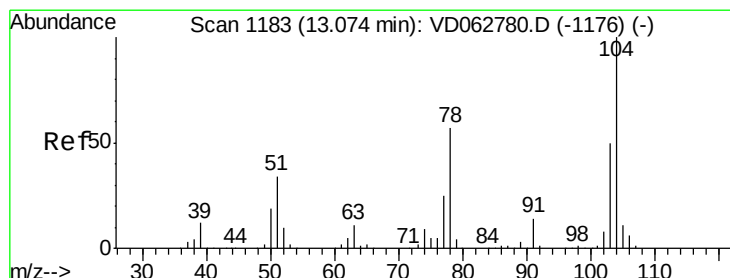
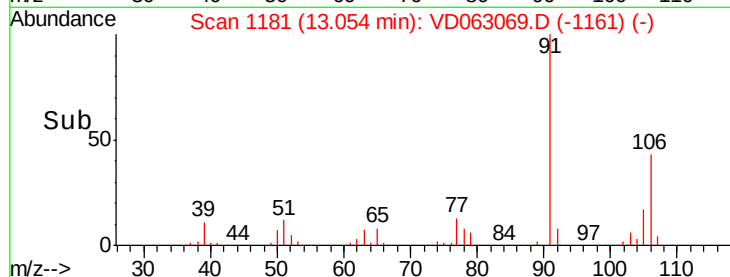
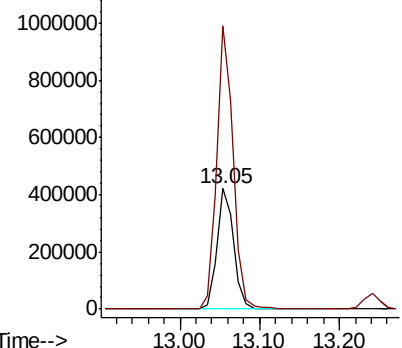
#69
o-Xylene
Concen: 53.390 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD063069.D
Acq: 12 Jul 2019 14:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 624843
Ion Ratio Lower Upper
106 100
91 235.2 117.9 353.6

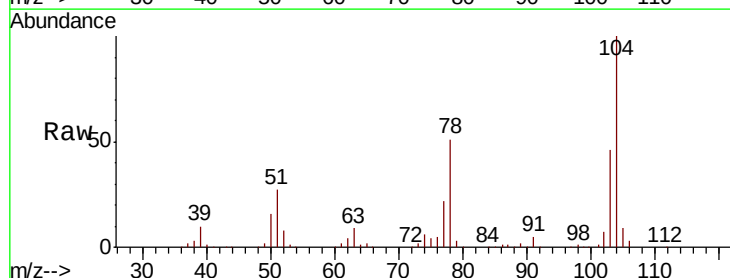


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

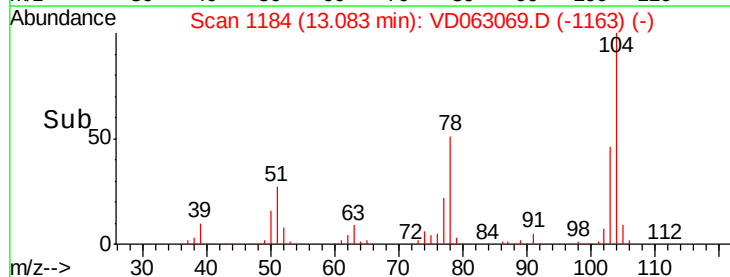
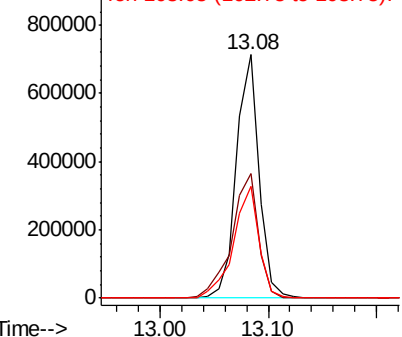


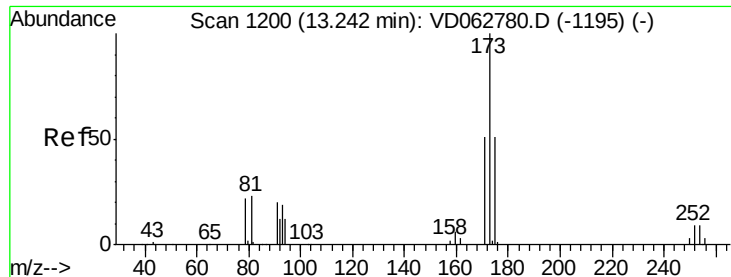
#70
Styrene
Concen: 50.416 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VD063069.D
Acq: 12 Jul 2019 14:01

Tgt Ion:104 Resp: 1036361
Ion Ratio Lower Upper
104 100
78 50.9 45.4 68.2
103 45.9 39.7 59.5



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: 56.424 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VD063069.D

Acq: 12 Jul 2019 14:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

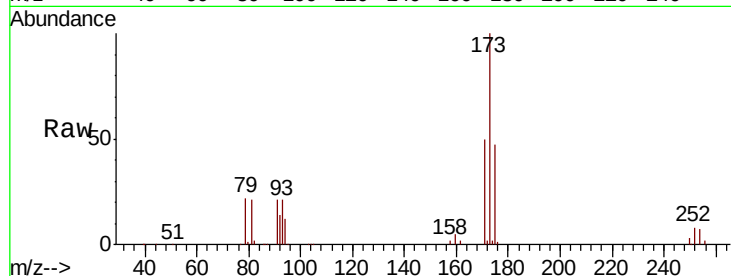
Tgt Ion:173 Resp: 370137

Ion Ratio Lower Upper

173 100

175 46.8 25.3 75.9

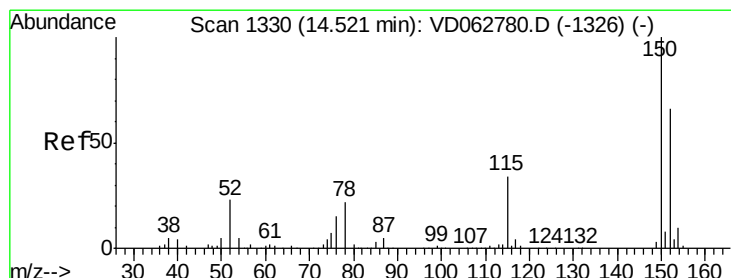
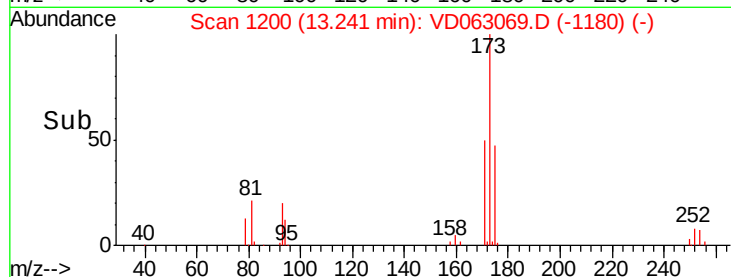
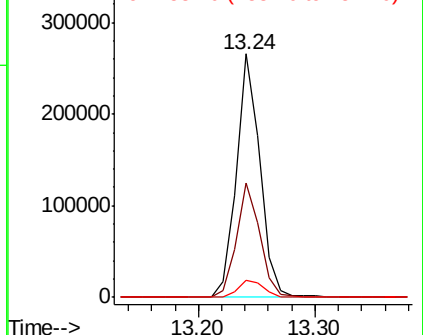
254 6.9 7.1 10.7#



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VD063069.D

Acq: 12 Jul 2019 14:01

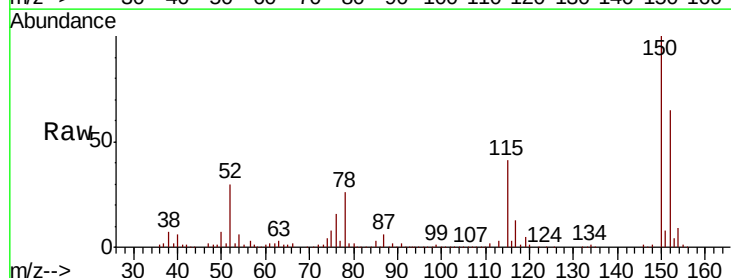
Tgt Ion:152 Resp: 571366

Ion Ratio Lower Upper

152 100

115 64.0 29.2 87.6

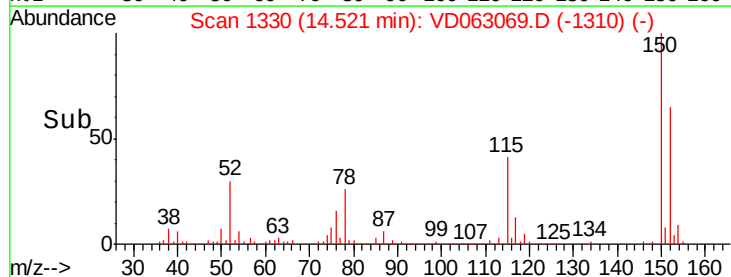
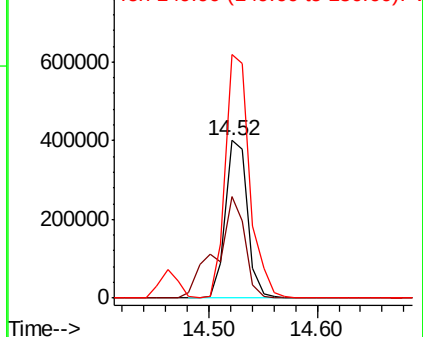
150 154.3 0.0 305.8

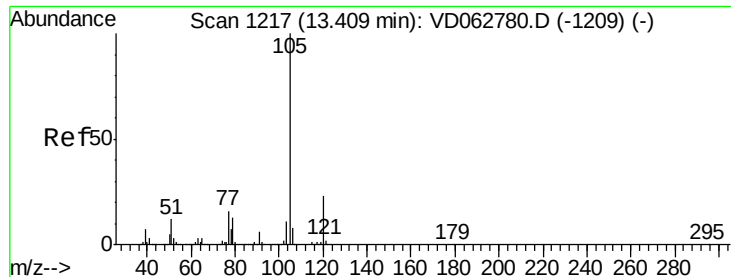


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.380 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VD063069.D

Acq: 12 Jul 2019 14:01

Instrument :

MSVOA_D

ClientSampleId :

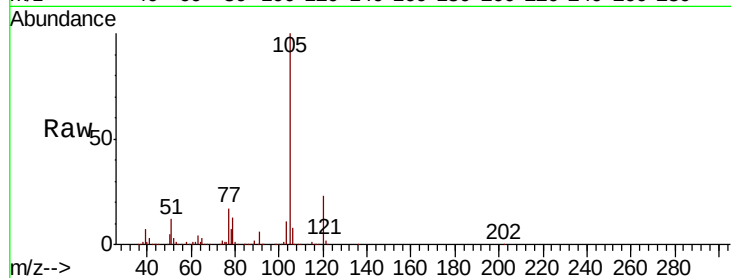
VSTDCCC050

Tgt Ion: 105 Resp: 1845653

Ion Ratio Lower Upper

105 100

120 22.7 11.6 34.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.41

1500000

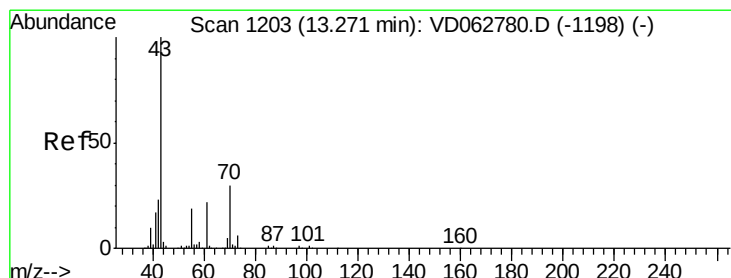
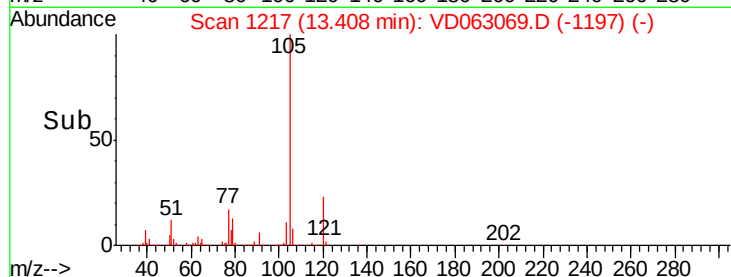
1000000

500000

0

Time-->

13.30 13.40 13.50



#74

N-amyl acetate

Concen: 54.357 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VD063069.D

Acq: 12 Jul 2019 14:01

Tgt Ion: 43 Resp: 483595

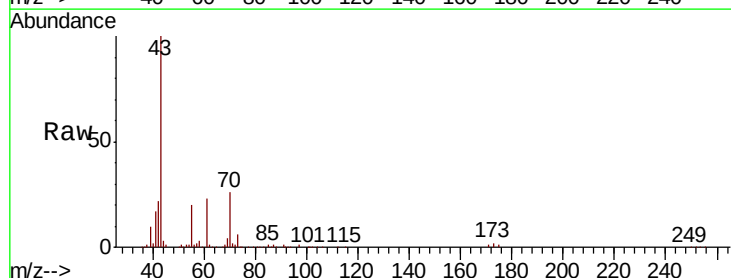
Ion Ratio Lower Upper

43 100

70 26.4 24.4 36.6

55 20.1 15.2 22.8

61 22.7 17.4 26.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC

500000

400000

300000

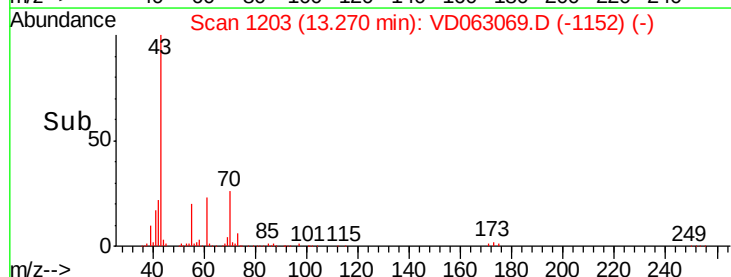
200000

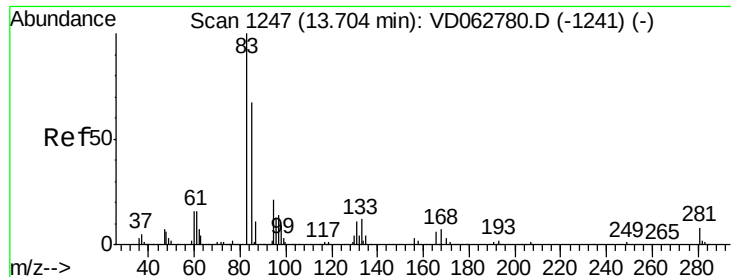
100000

0

Time-->

13.20 13.30 13.40





#75

1,1,2,2-Tetrachloroethane

Concen: 56.762 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VD063069.D

Acq: 12 Jul 2019 14:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

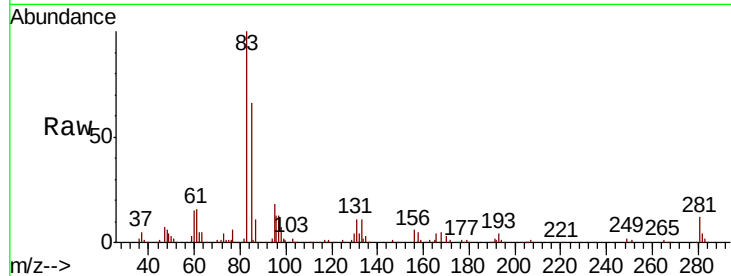
Tgt Ion: 83 Resp: 338816

Ion Ratio Lower Upper

83 100

131 10.5 5.3 16.1

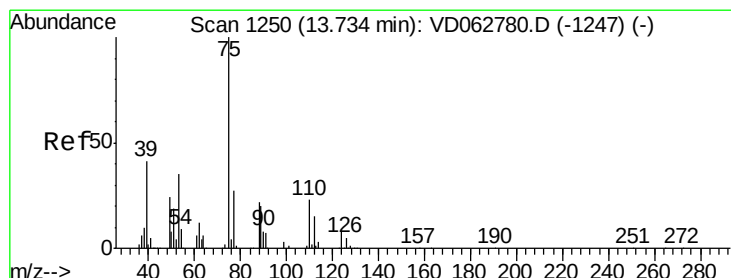
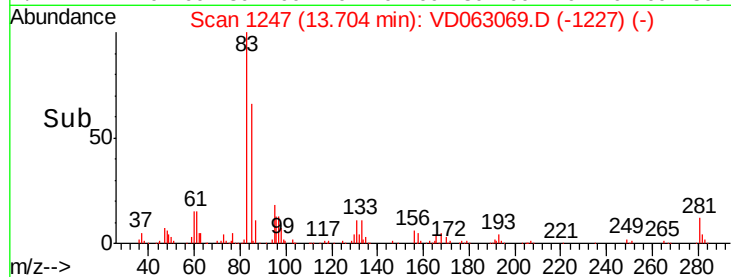
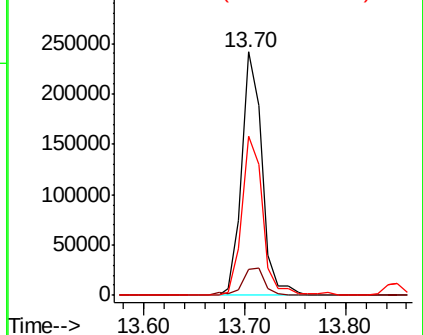
85 65.5 33.7 101.1



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 56.494 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.01 min

Lab File: VD063069.D

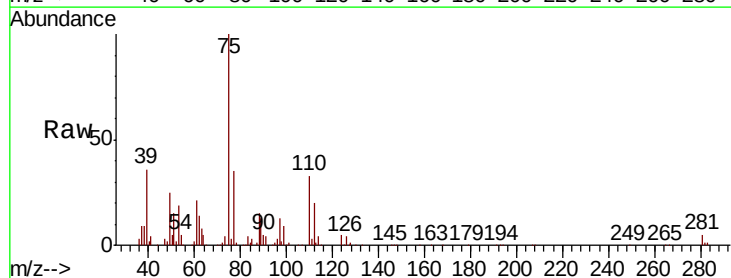
Acq: 12 Jul 2019 14:01

Tgt Ion: 75 Resp: 372634

Ion Ratio Lower Upper

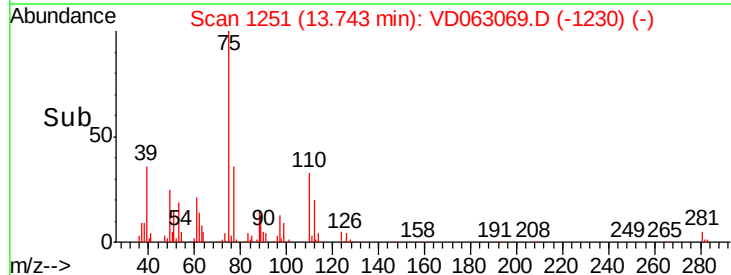
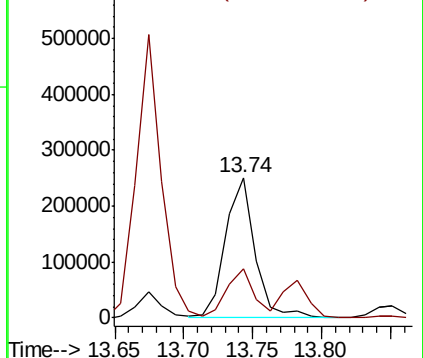
75 100

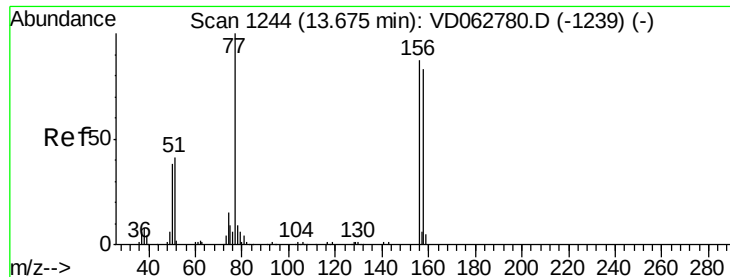
77 35.3 15.0 45.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 54.703 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. -0.00 min

Lab File: VD063069.D

Acq: 12 Jul 2019 14:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

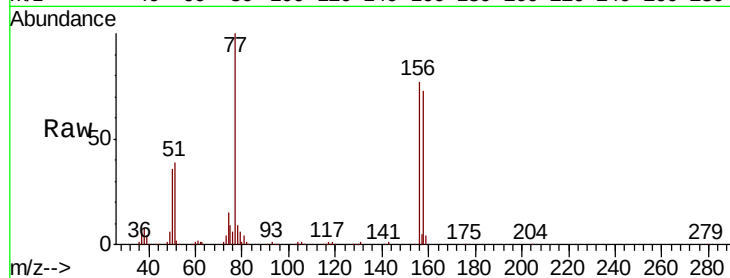
Tgt Ion:156 Resp: 539030

Ion Ratio Lower Upper

156 100

77 129.2 57.7 173.1

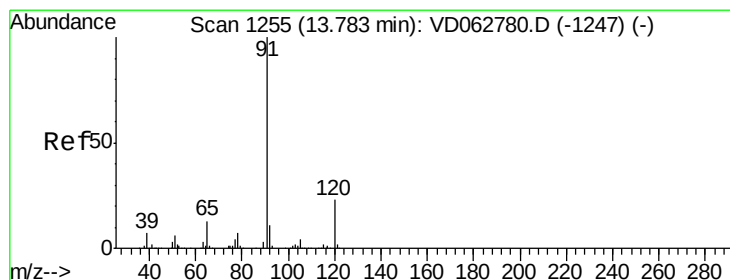
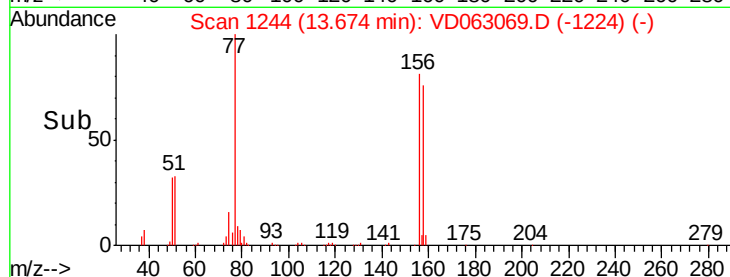
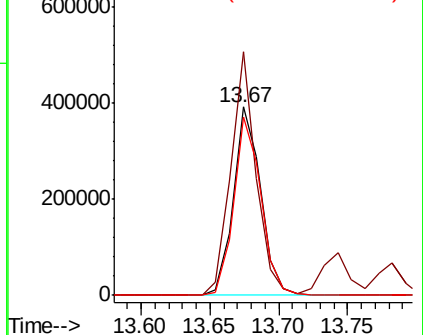
158 94.3 47.7 143.1



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: 51.076 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VD063069.D

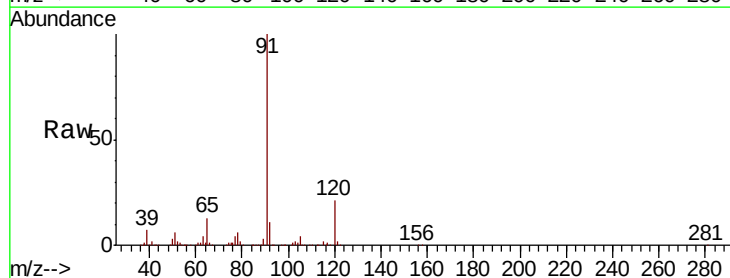
Acq: 12 Jul 2019 14:01

Tgt Ion: 91 Resp: 2177850

Ion Ratio Lower Upper

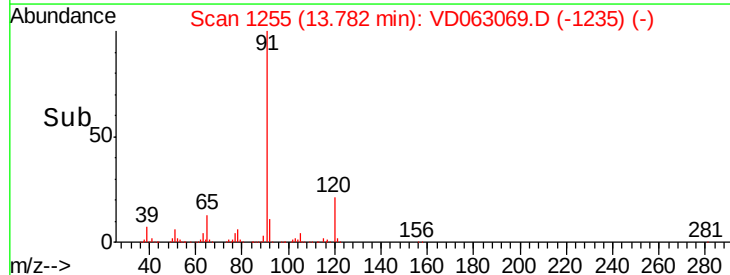
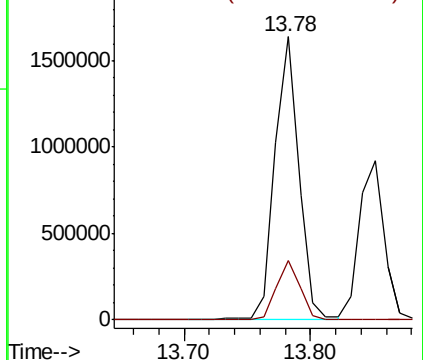
91 100

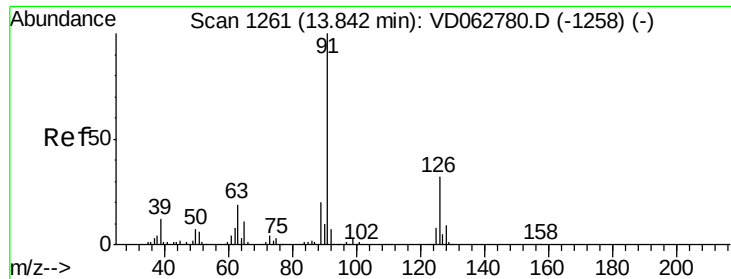
120 21.1 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

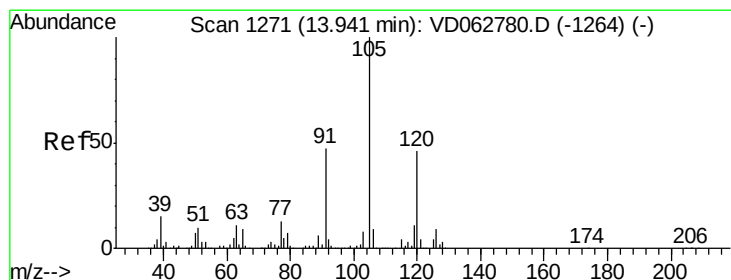
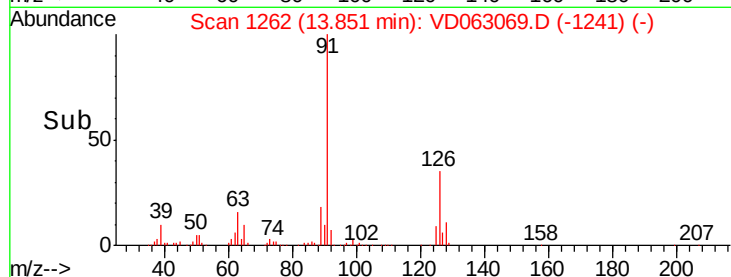
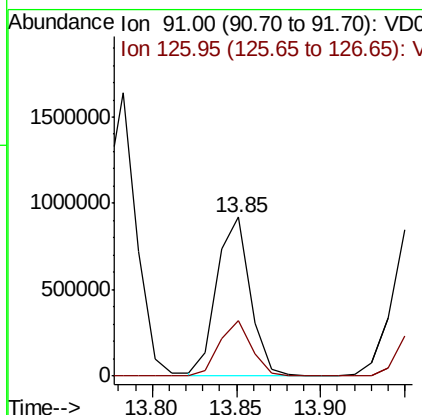
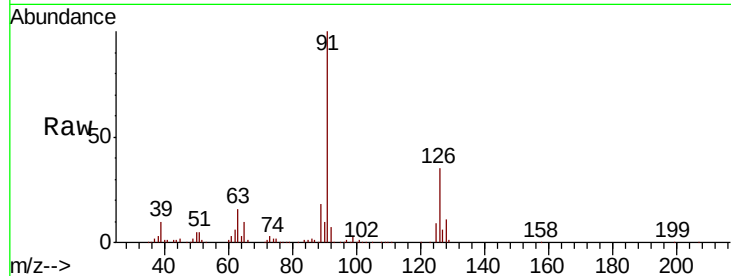




#79
 2-Chlorotoluene
 Concen: 52.068 ug/l
 RT: 13.85 min Scan# 1262
 Delta R.T. 0.01 min
 Lab File: VD063069.D
 Acq: 12 Jul 2019 14:01

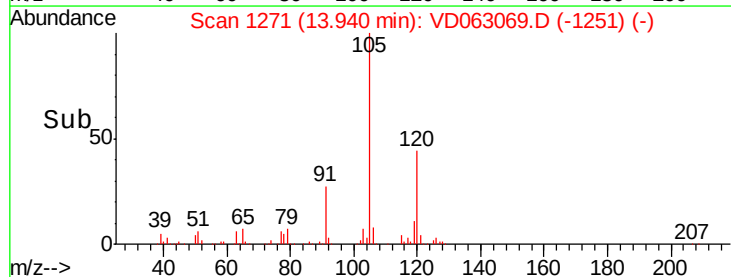
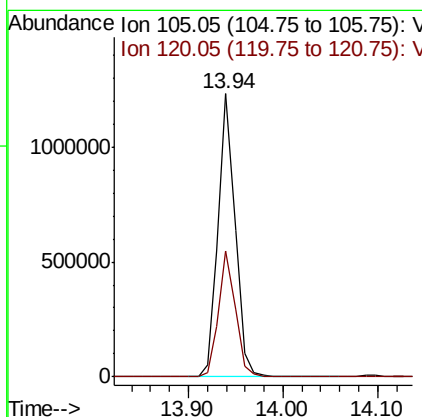
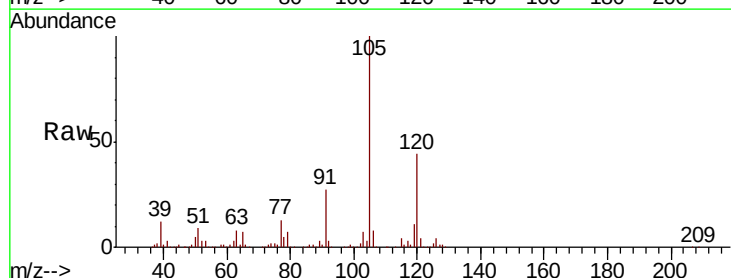
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

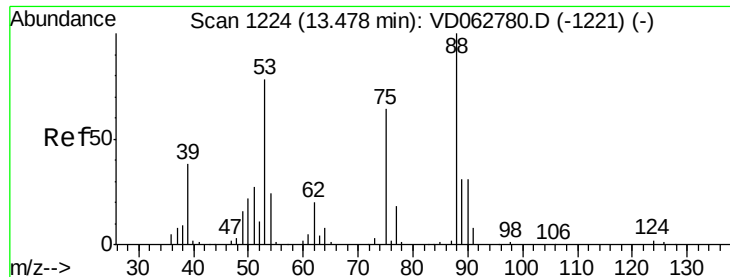
Tgt Ion: 91 Resp: 1268789
 Ion Ratio Lower Upper
 91 100
 126 35.2 15.7 47.1



#80
 1,3,5-Trimethylbenzene
 Concen: 49.946 ug/l
 RT: 13.94 min Scan# 1271
 Delta R.T. -0.00 min
 Lab File: VD063069.D
 Acq: 12 Jul 2019 14:01

Tgt Ion: 105 Resp: 1536926
 Ion Ratio Lower Upper
 105 100
 120 44.5 23.1 69.2





#81

trans-1,4-Dichloro-2-butene

Concen: 61.833 ug/l

RT: 13.48 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VD063069.D

Acq: 12 Jul 2019 14:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

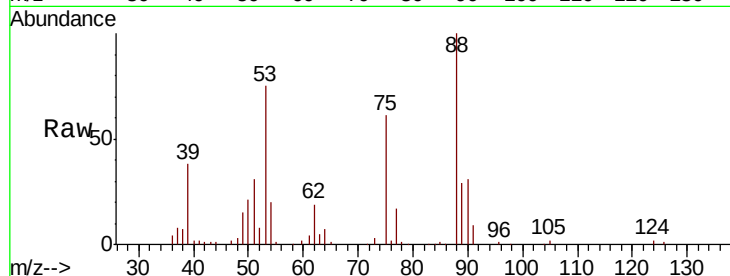
Tgt Ion: 75 Resp: 106891

Ion Ratio Lower Upper

75 100

53 123.8 97.8 146.8

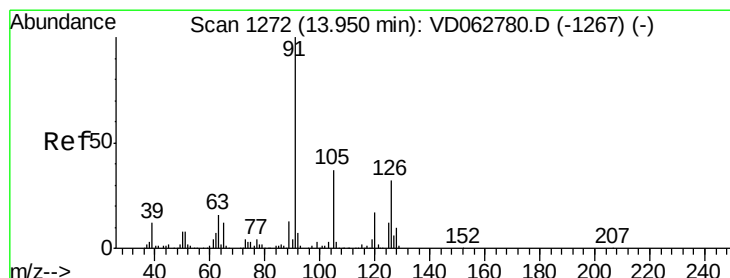
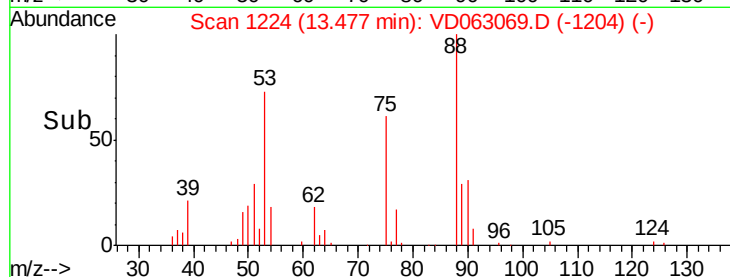
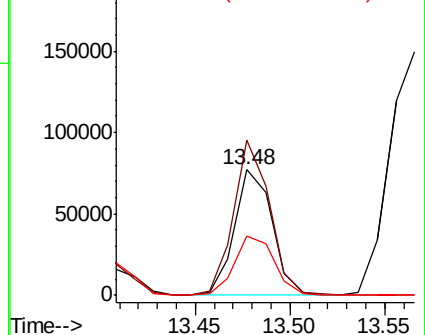
89 47.4 39.4 59.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 46.313 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VD063069.D

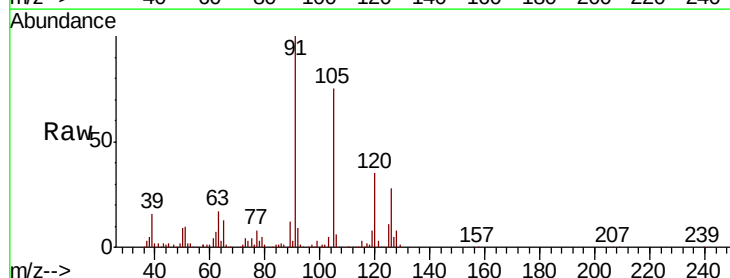
Acq: 12 Jul 2019 14:01

Tgt Ion: 91 Resp: 1358653

Ion Ratio Lower Upper

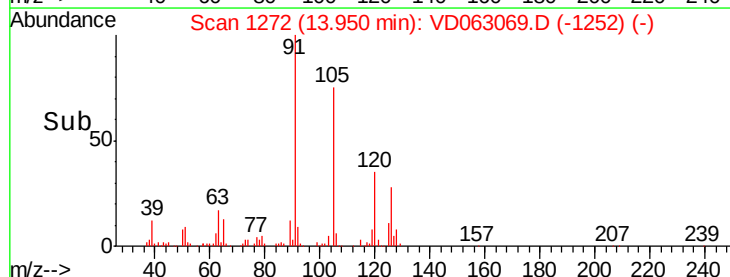
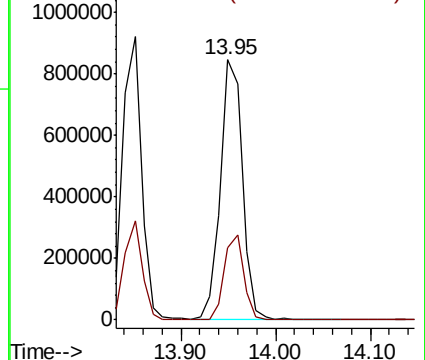
91 100

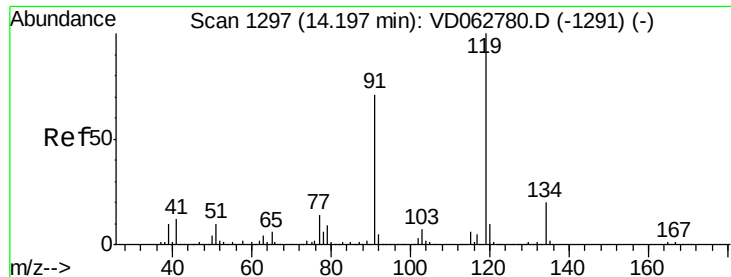
126 27.9 16.0 47.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

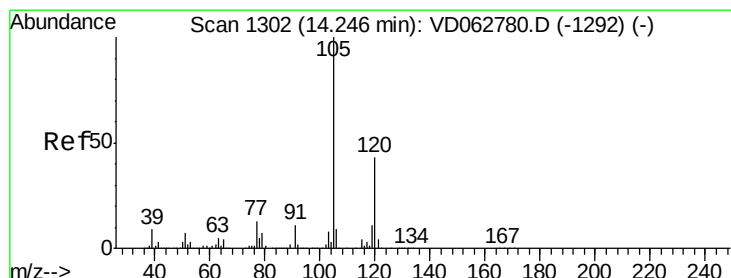
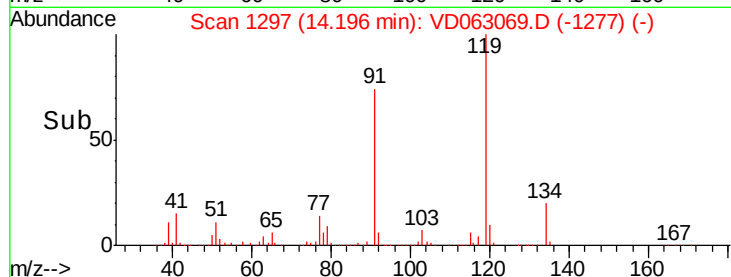
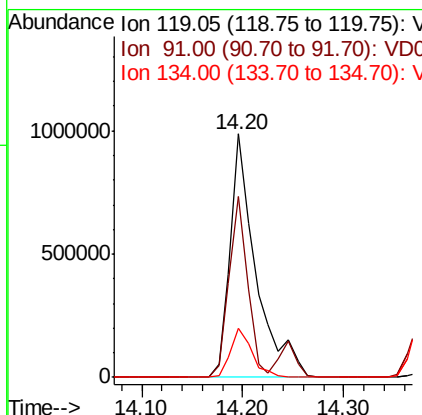
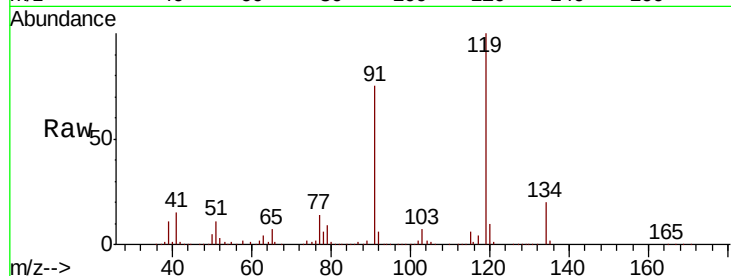




#83
 tert-Butylbenzene
 Concen: 50.955 ug/l
 RT: 14.20 min Scan# 1297
 Delta R.T. -0.00 min
 Lab File: VD063069.D
 Acq: 12 Jul 2019 14:01

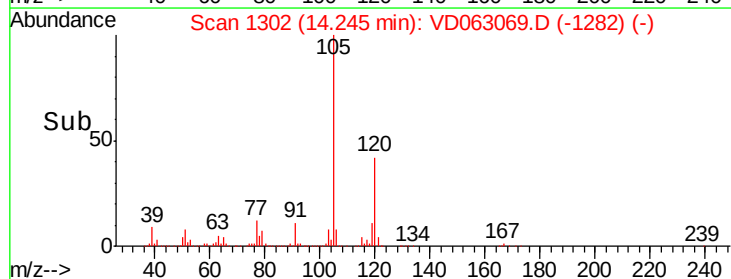
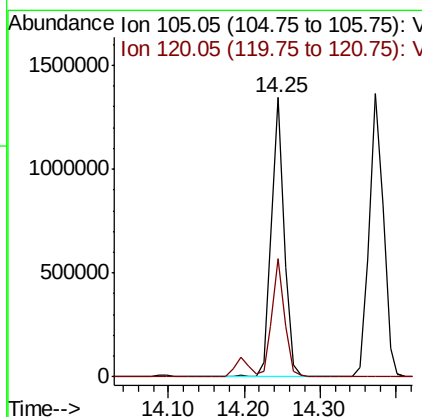
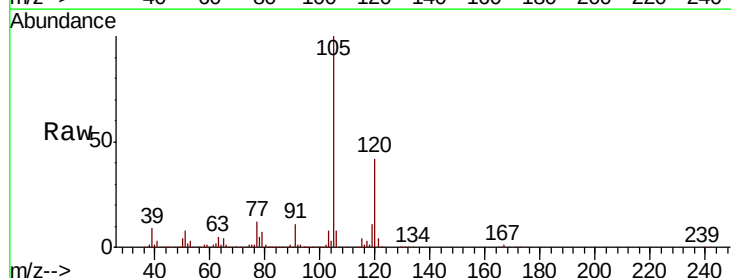
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

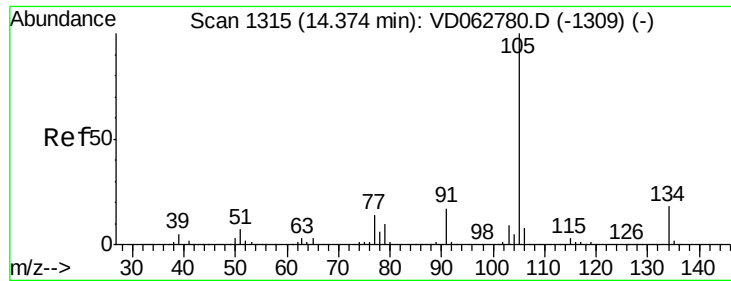
Tgt Ion:119 Resp: 1747753
 Ion Ratio Lower Upper
 119 100
 91 74.6 35.5 106.5
 134 20.3 10.2 30.6



#84
 1,2,4-Trimethylbenzene
 Concen: 50.256 ug/l
 RT: 14.25 min Scan# 1302
 Delta R.T. -0.00 min
 Lab File: VD063069.D
 Acq: 12 Jul 2019 14:01

Tgt Ion:105 Resp: 1585078
 Ion Ratio Lower Upper
 105 100
 120 42.3 21.3 63.9





#85

sec-Butylbenzene

Concen: 46.851 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VD063069.D

Acq: 12 Jul 2019 14:01

Instrument :

MSVOA_D

ClientSampleId :

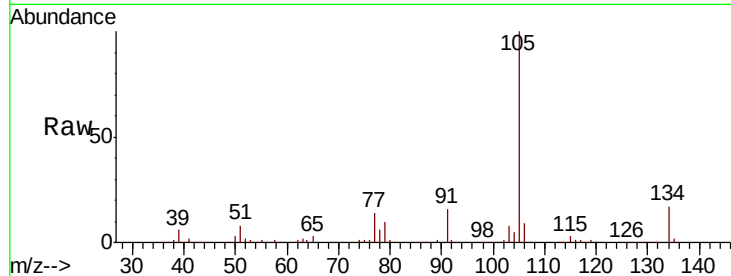
VSTDCCC050

Tgt Ion:105 Resp: 1746584

Ion Ratio Lower Upper

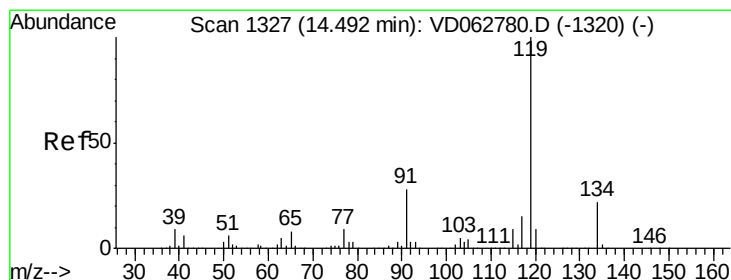
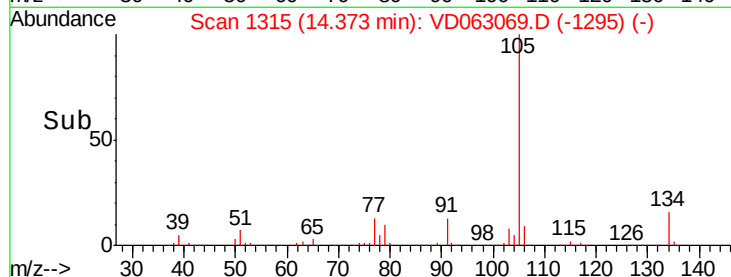
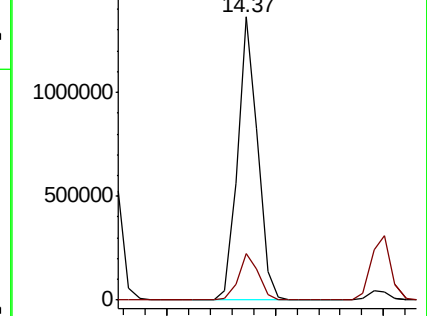
105 100

134 16.5 9.1 27.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 52.802 ug/l

RT: 14.50 min Scan# 1328

Delta R.T. 0.01 min

Lab File: VD063069.D

Acq: 12 Jul 2019 14:01

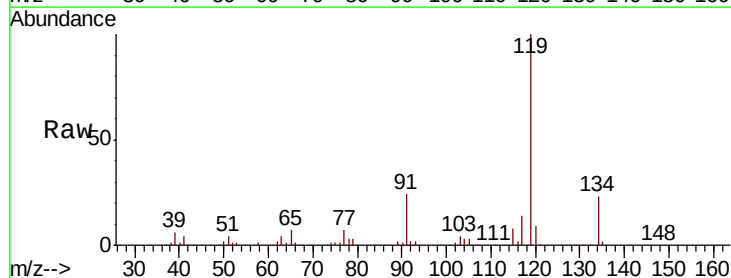
Tgt Ion:119 Resp: 1800807

Ion Ratio Lower Upper

119 100

134 22.6 11.1 33.1

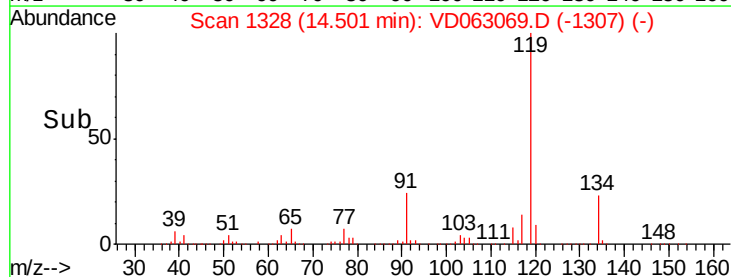
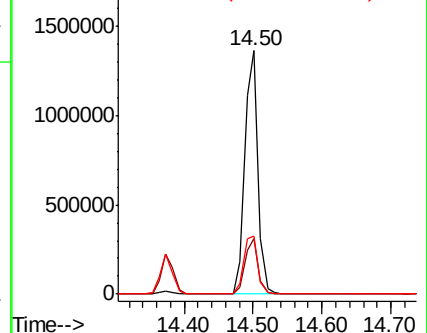
91 23.9 14.0 41.9

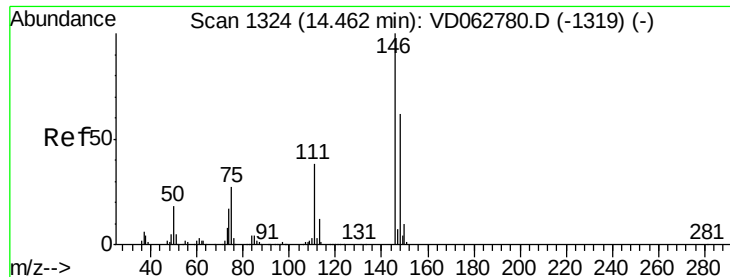


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

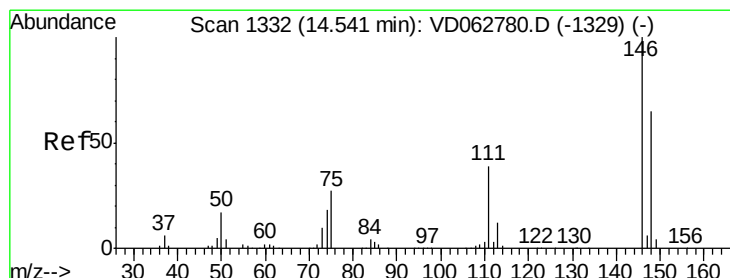
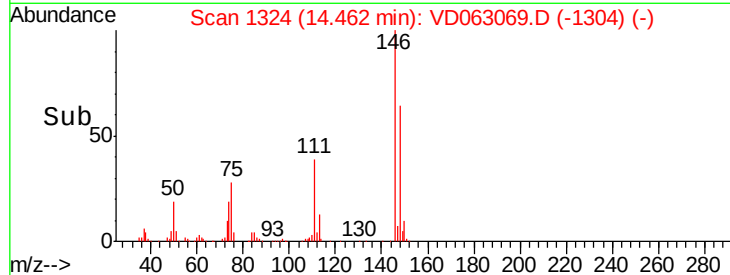
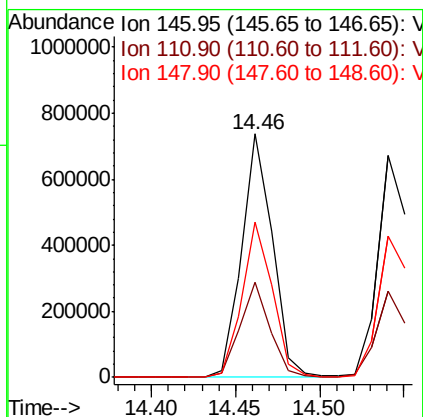
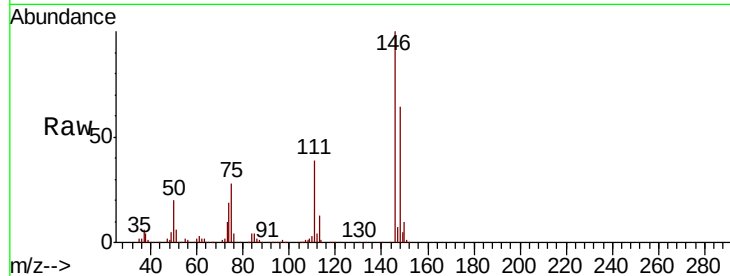




#87
 1,3-Dichlorobenzene
 Concen: 52.958 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VD063069.D
 Acq: 12 Jul 2019 14:01

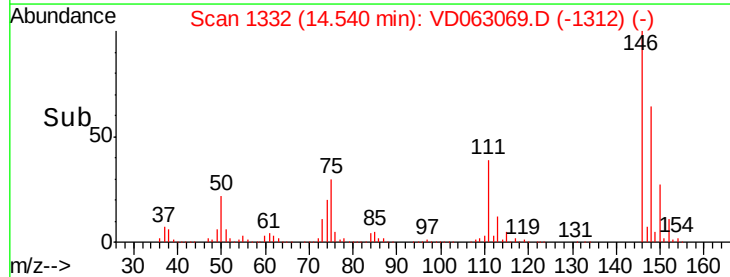
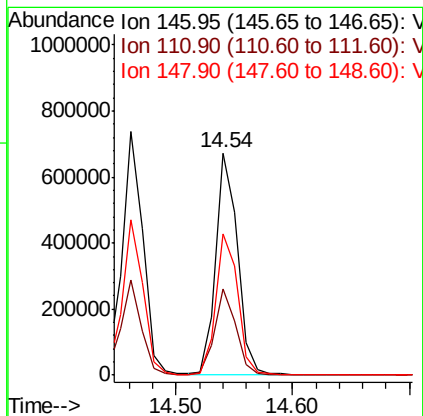
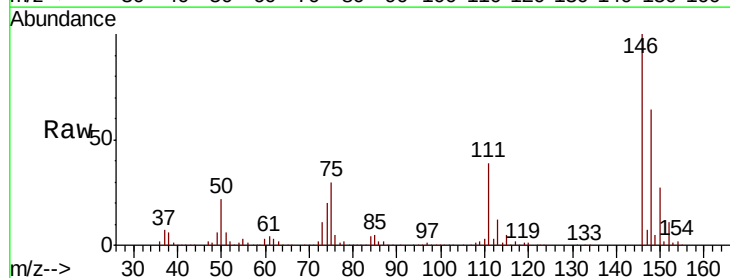
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

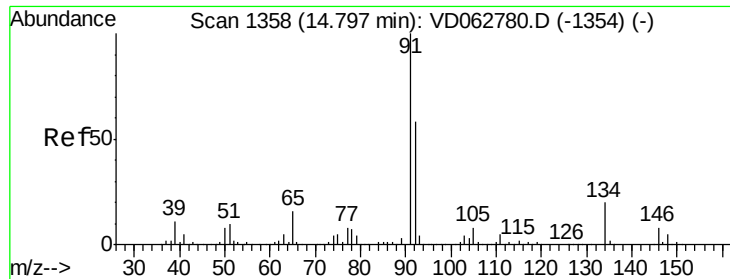
Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.0	57.0
148	63.8	30.8	92.3



#88
 1,4-Dichlorobenzene
 Concen: 48.983 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: VD063069.D
 Acq: 12 Jul 2019 14:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.7	59.1
148	63.6	32.8	98.3





#89

n-Butylbenzene

Concen: 49.932 ug/l

RT: 14.81 min Scan# 1359

Delta R.T. 0.01 min

Lab File: VD063069.D

Acq: 12 Jul 2019 14:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

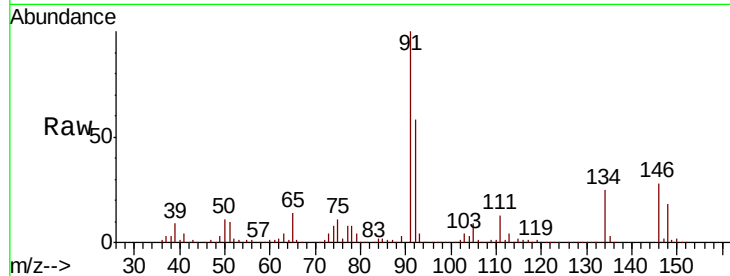
Tgt Ion: 91 Resp: 1593879

Ion Ratio Lower Upper

91 100

92 58.1 28.9 86.7

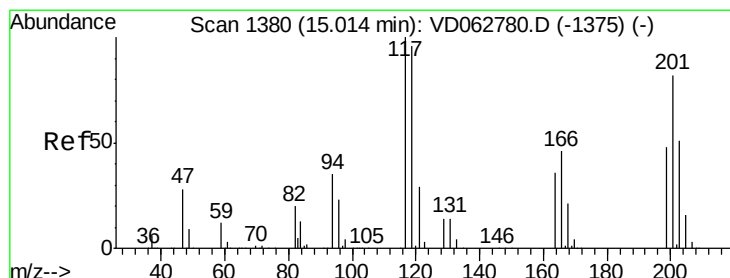
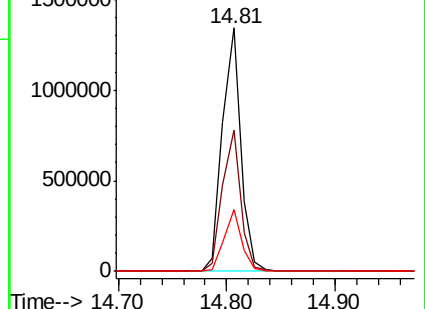
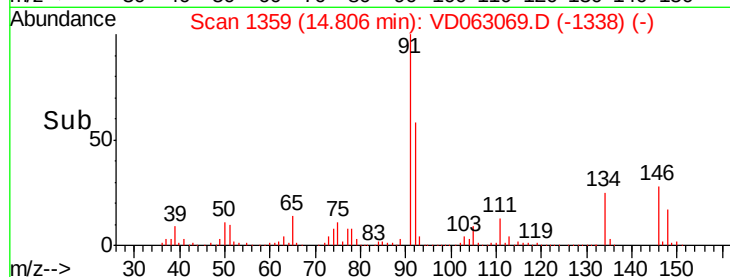
134 25.2 10.1 30.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 54.206 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. -0.00 min

Lab File: VD063069.D

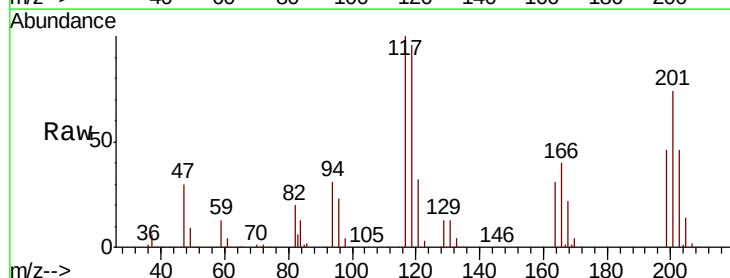
Acq: 12 Jul 2019 14:01

Tgt Ion: 117 Resp: 497059

Ion Ratio Lower Upper

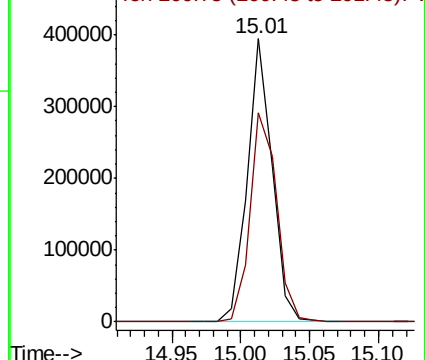
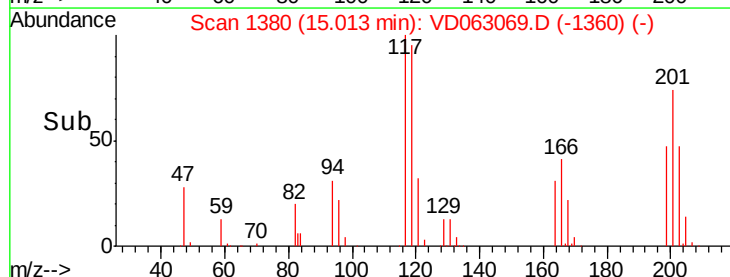
117 100

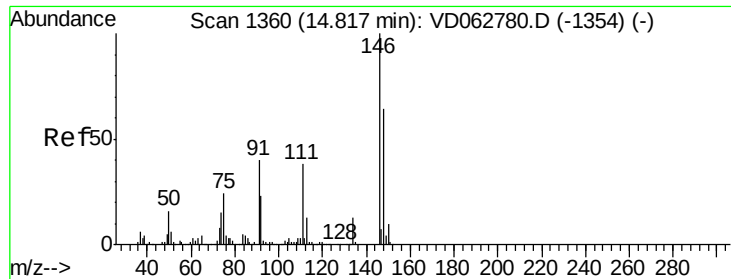
201 73.7 40.8 122.2



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

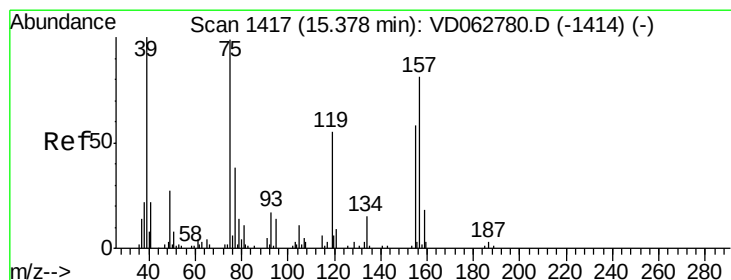
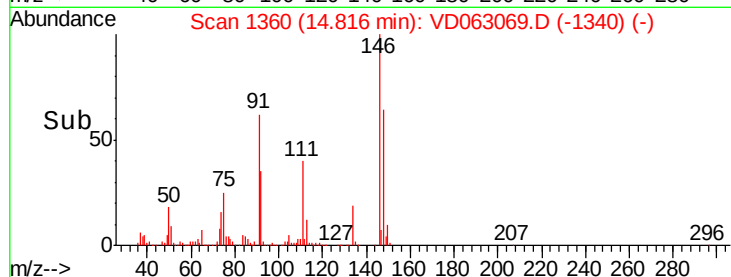
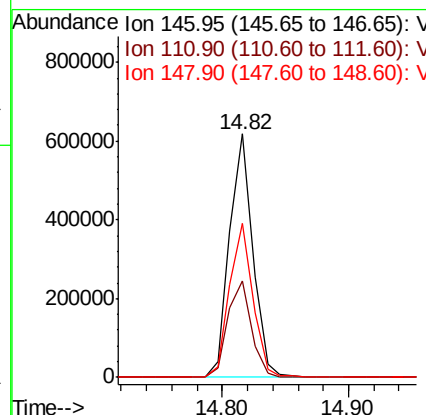
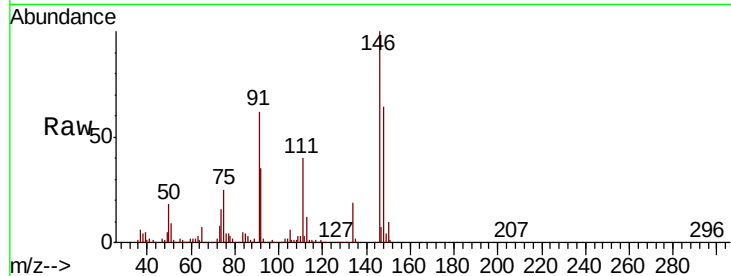




#91
 1,2-Dichlorobenzene
 Concen: 52.018 ug/l
 RT: 14.82 min Scan# 1360
 Delta R.T. -0.00 min
 Lab File: VD063069.D
 Acq: 12 Jul 2019 14:01

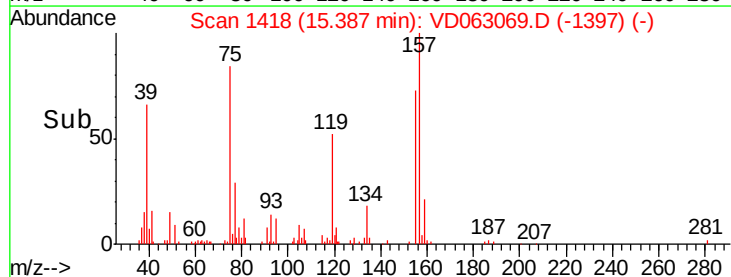
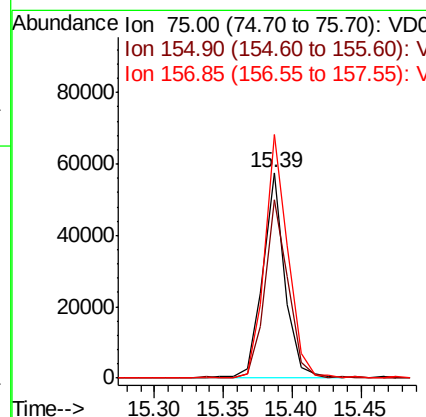
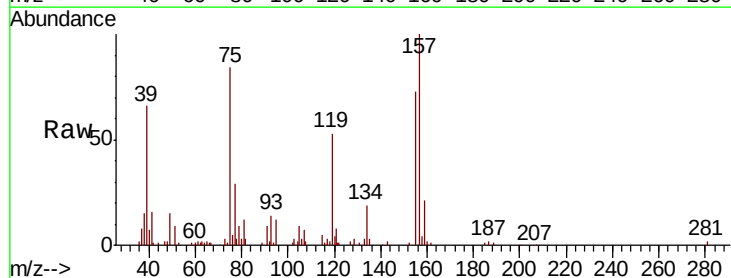
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

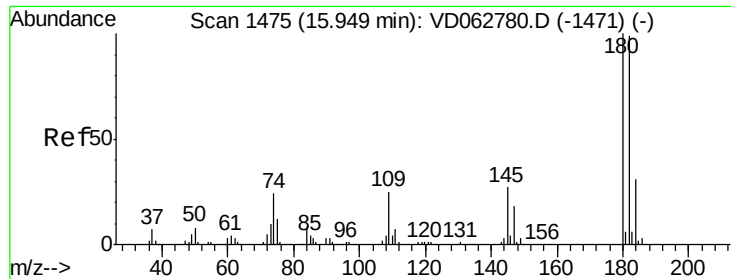
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.1	57.1
148	63.5	32.3	96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.860 ug/l
 RT: 15.39 min Scan# 1418
 Delta R.T. 0.01 min
 Lab File: VD063069.D
 Acq: 12 Jul 2019 14:01

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.7	29.3	87.8
157	118.5	41.3	123.7

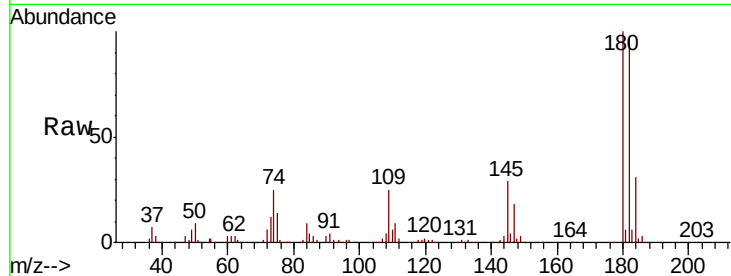




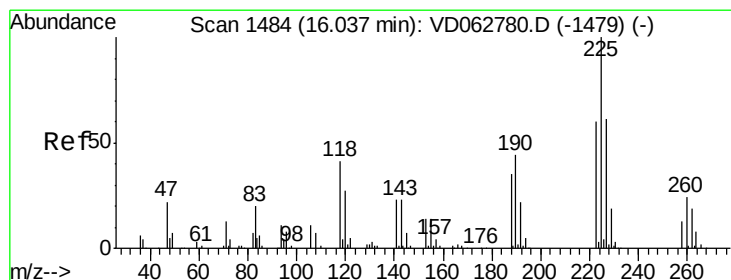
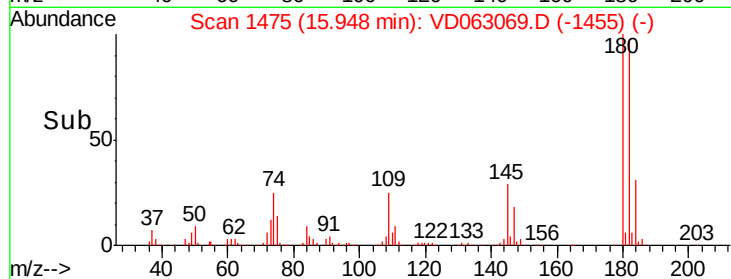
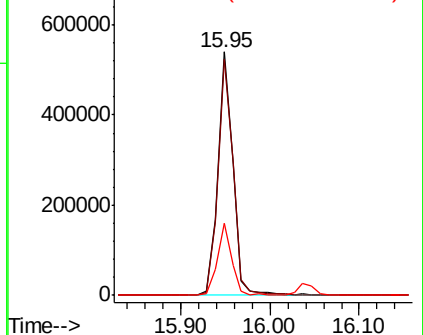
#93
 1,2,4-Trichlorobenzene
 Concen: 53.699 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD063069.D
 Acq: 12 Jul 2019 14:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion:180 Resp: 633940
 Ion Ratio Lower Upper
 180 100
 182 96.8 49.5 148.5
 145 29.5 13.7 41.0

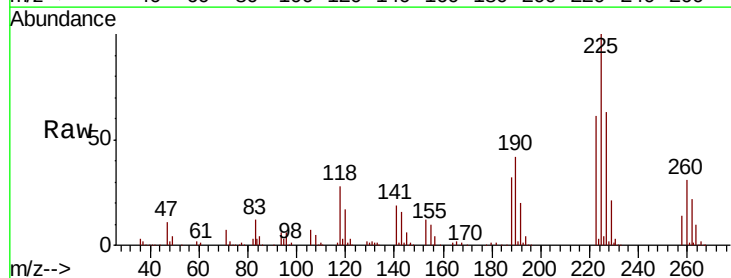


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

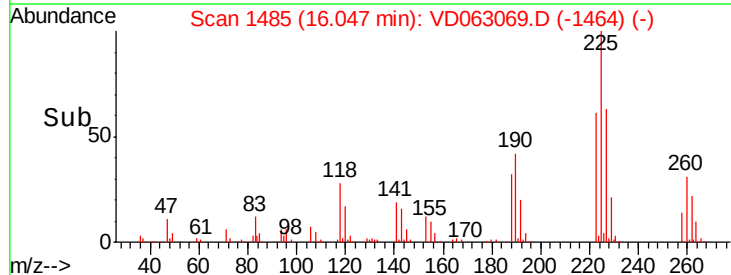
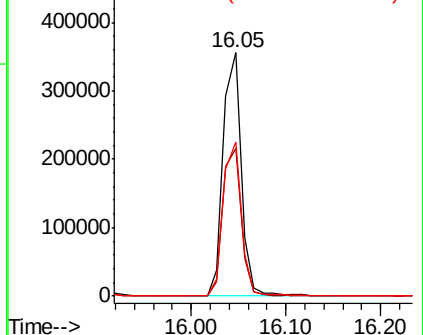


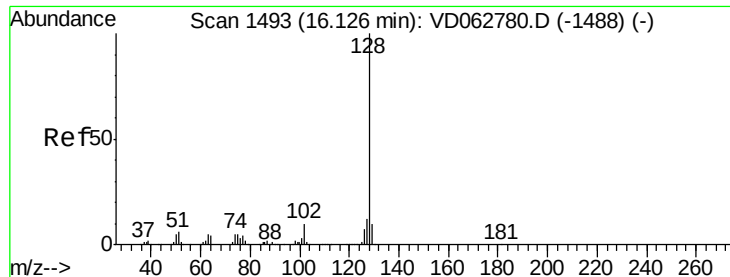
#94
 Hexachlorobutadiene
 Concen: 52.512 ug/l
 RT: 16.05 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD063069.D
 Acq: 12 Jul 2019 14:01

Tgt Ion:225 Resp: 473591
 Ion Ratio Lower Upper
 225 100
 223 60.8 29.8 89.5
 227 63.3 30.6 91.6



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: 57.167 ug/l

RT: 16.13 min Scan# 1493

Delta R.T. -0.00 min

Lab File: VD063069.D

Acq: 12 Jul 2019 14:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

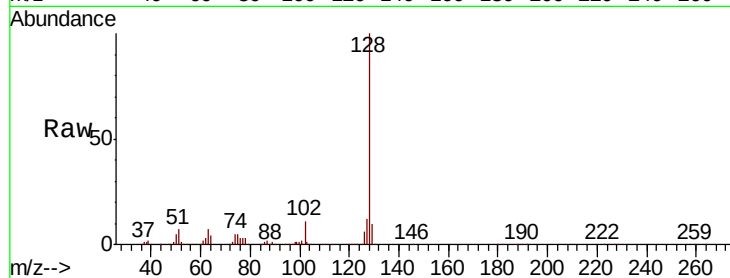
Tgt Ion:128 Resp: 945902

Ion Ratio Lower Upper

128 100

127 12.4 9.7 14.5

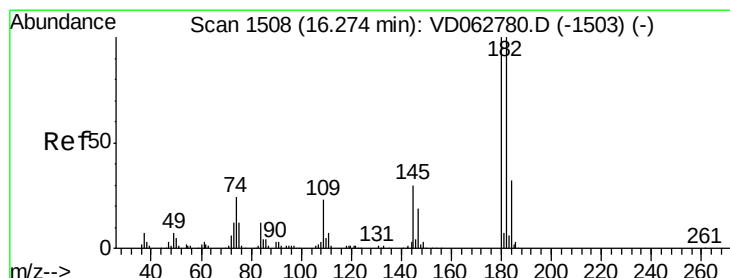
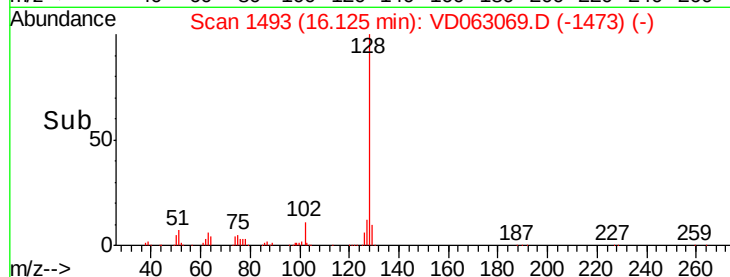
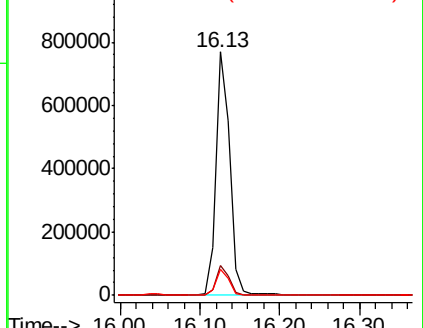
129 10.4 8.3 12.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 56.607 ug/l

RT: 16.27 min Scan# 1508

Delta R.T. -0.00 min

Lab File: VD063069.D

Acq: 12 Jul 2019 14:01

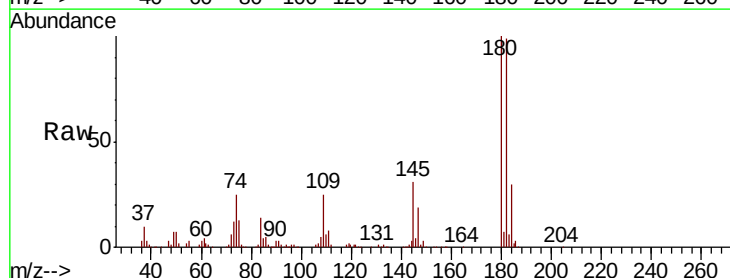
Tgt Ion:180 Resp: 513452

Ion Ratio Lower Upper

180 100

182 99.4 49.9 149.6

145 31.5 15.2 45.5



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

