

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081919\
 Data File : VD063672.D
 Acq On : 19 Aug 2019 22:17
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Aug 20 08:18:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 10 06:42:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	958506	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	8.21	114	1362590	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.36	117	1083745	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.51	152	587048	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	479365	46.79	ug/l	-0.03
Spiked Amount 50.000			Recovery =	93.58%		
35) Dibromofluoromethane	6.91	113	543632	47.37	ug/l	-0.03
Spiked Amount 50.000			Recovery =	94.74%		
50) Toluene-d8	10.41	98	1235901	48.99	ug/l	-0.02
Spiked Amount 50.000			Recovery =	97.98%		
62) 4-Bromofluorobenzene	13.55	95	532999	46.61	ug/l	-0.02
Spiked Amount 50.000			Recovery =	93.22%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	540906	46.645	ug/l	93
3) Chloromethane	1.74	50	452030	49.892	ug/l	94
4) Vinyl Chloride	1.84	62	459759	51.117	ug/l	98
5) Bromomethane	2.15	94	251077	59.161	ug/l	92
6) Chloroethane	2.26	64	217834	52.962	ug/l	98
7) Trichlorofluoromethane	2.52	101	971049	55.041	ug/l	97
8) Diethyl Ether	2.87	74	134704	54.079	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.14	101	562950	54.040	ug/l	97
10) Methyl Iodide	3.29	142	861125	58.423	ug/l	98
11) Tert butyl alcohol	4.06	59	107845	241.797	ug/l	100
12) 1,1-Dichloroethene	3.12	96	405727	52.385	ug/l	95
13) Acrolein	3.02	56	96768	220.418	ug/l	99
14) Allyl chloride	3.60	41	636209	54.642	ug/l	98
15) Acrylonitrile	4.18	53	312951	264.901	ug/l	98
16) Acetone	3.21	43	448701	215.437	ug/l	94
17) Carbon Disulfide	3.36	76	1206186	49.345	ug/l	95
18) Methyl Acetate	3.63	43	198851	50.406	ug/l	100
19) Methyl tert-butyl Ether	4.22	73	855921	55.259	ug/l	99
20) Methylene Chloride	3.80	84	465185	51.652	ug/l	94
21) trans-1,2-Dichloroethene	4.20	96	450690	55.297	ug/l	93
22) Diisopropyl ether	5.11	45	1311331	54.580	ug/l	93
23) Vinyl Acetate	5.04	43	3918249	280.524	ug/l	99
24) 1,1-Dichloroethane	4.96	63	799577	53.657	ug/l	100
25) 2-Butanone	6.06	43	527225	256.308	ug/l	99
26) 2,2-Dichloropropane	6.02	77	848012	57.134	ug/l	97
27) cis-1,2-Dichloroethene	6.03	96	519996	58.314	ug/l	97
28) Bromochloromethane	6.43	49	299208	49.542	ug/l	96
29) Tetrahydrofuran	6.45	42	232050	242.095	ug/l	93
30) Chloroform	6.65	83	993567	53.641	ug/l	93
31) Cyclohexane	6.94	56	462857	50.033	ug/l	93
32) 1,1,1-Trichloroethane	6.85	97	965742	54.505	ug/l	98
36) 1,1-Dichloropropene	7.14	75	656212	54.477	ug/l	99
37) Ethyl Acetate	6.17	43	263152	52.135	ug/l #	97
38) Carbon Tetrachloride	7.10	117	1041067	57.346	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	563328	54.997	ug/l	97
40) Benzene	7.44	78	1432267	54.031	ug/l	97
41) Methacrylonitrile	6.44	41	325377	51.198	ug/l #	91
42) 1,2-Dichloroethane	7.57	62	716355	53.744	ug/l	99
43) Isopropyl Acetate	9.23	43	359562	53.188	ug/l #	96
44) Trichloroethene	8.54	130	537801	53.080	ug/l	98
45) 1,2-Dichloropropane	8.93	63	347775	56.337	ug/l	96
46) Dibromomethane	9.06	93	303587	57.588	ug/l	90
47) Bromodichloromethane	9.37	83	778123	57.543	ug/l	99
48) Methyl methacrylate	9.11	41	247200	53.920	ug/l	97
49) 1,4-Dioxane	9.07	88	40967	1000.646	ug/l #	86
51) 4-Methyl-2-Pentanone	10.30	43	1192391	257.769	ug/l	100
52) Toluene	10.50	92	906265	53.079	ug/l	94
53) t-1,3-Dichloropropene	10.91	75	639663	57.963	ug/l	98
54) cis-1,3-Dichloropropene	10.03	75	664094	53.368	ug/l	98
55) 1,1,2-Trichloroethane	11.18	97	306766	53.189	ug/l	99
56) Ethyl methacrylate	11.04	69	319687	51.069	ug/l	91
57) 1,3-Dichloropropane	11.40	76	469353	53.838	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.85	63	901803	272.874	ug/l	97
59) 2-Hexanone	11.53	43	853248	253.500	ug/l	97
60) Dibromochloromethane	11.68	129	578645	55.137	ug/l	98
61) 1,2-Dibromoethane	11.80	107	391619	56.090	ug/l	99
64) Tetrachloroethene	11.25	164	513026	61.321	ug/l	97
65) Chlorobenzene	12.39	112	1191432	58.657	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.51	131	521170	58.302	ug/l	98
67) Ethyl Benzene	12.52	91	1993306	56.439	ug/l	99
68) m/p-Xylenes	12.66	106	1457638	117.474	ug/l	99
69) o-Xylene	13.04	106	628779	52.651	ug/l	99
70) Styrene	13.06	104	1208513	56.890	ug/l	98
71) Bromoform	13.23	173	368005	60.038	ug/l	98
73) Isopropylbenzene	13.40	105	2119309	56.758	ug/l	98
74) N-amyl acetate	13.26	43	499537	53.293	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.69	83	366076	59.067	ug/l	97
76) 1,2,3-Trichloropropane	13.73	75	391613	58.126	ug/l	100
77) Bromobenzene	13.66	156	565010	55.366	ug/l	95
78) n-propylbenzene	13.77	91	2267442	51.900	ug/l	97
79) 2-Chlorotoluene	13.84	91	1393465	55.318	ug/l	90
80) 1,3,5-Trimethylbenzene	13.93	105	1797796	55.105	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.47	75	93720	51.755	ug/l	95
82) 4-Chlorotoluene	13.94	91	1756962	58.003	ug/l	98
83) tert-Butylbenzene	14.19	119	1988240	57.873	ug/l	97
84) 1,2,4-Trimethylbenzene	14.24	105	1899167	62.914	ug/l	95
85) sec-Butylbenzene	14.36	105	2216233	60.744	ug/l	99
86) p-Isopropyltoluene	14.49	119	1933103	55.414	ug/l	94
87) 1,3-Dichlorobenzene	14.45	146	1040429	56.365	ug/l	97
88) 1,4-Dichlorobenzene	14.53	146	983965	55.560	ug/l	100
89) n-Butylbenzene	14.80	91	1843492	57.901	ug/l	96
90) Hexachloroethane	15.00	117	543365	61.970	ug/l	98
91) 1,2-Dichlorobenzene	14.81	146	924632	59.040	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.38	75	63749	54.627	ug/l	98

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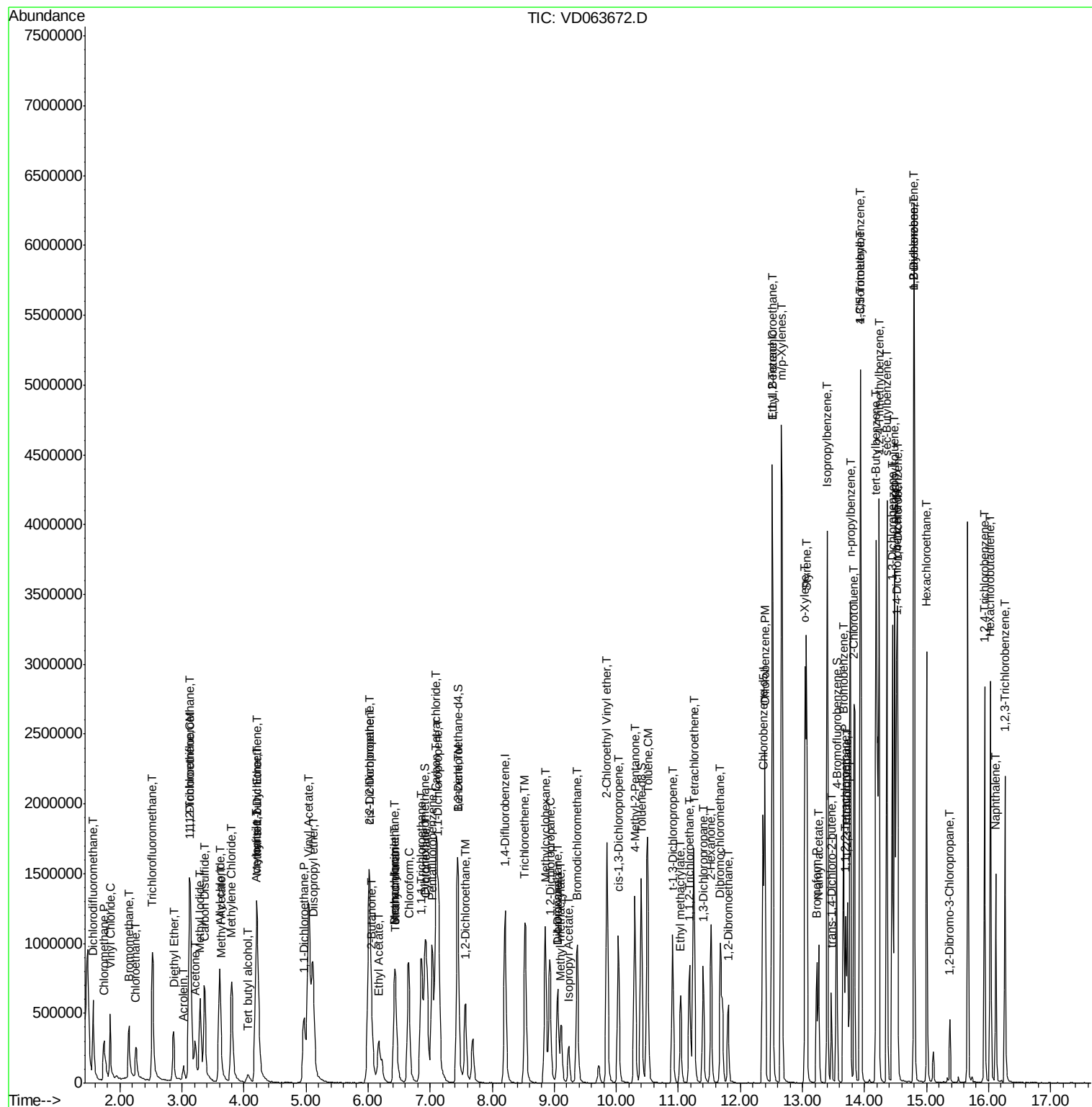
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	683431	59.306	ug/l	98
94) Hexachlorobutadiene	16.04	225	547392	62.326	ug/l	97
95) Naphthalene	16.12	128	896149	51.313	ug/l	99
96) 1,2,3-Trichlorobenzene	16.26	180	543384	58.380	ug/l	99

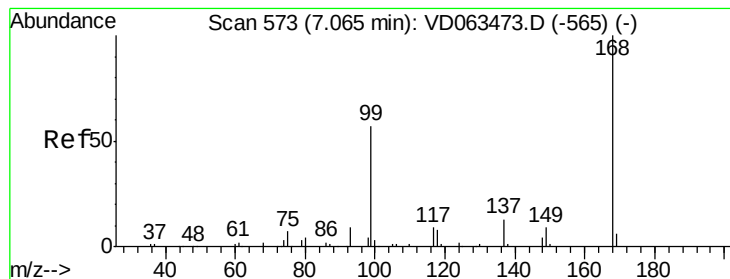
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.04 min

Lab File: VD063672.D

Acq: 19 Aug 2019 22:17

Instrument :

MSVOA_D

ClientSampleId :

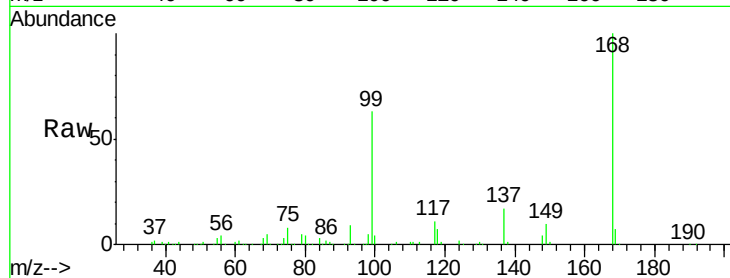
VSTDCCC050EC

Tot Ion:168 Resp: 958506

Ion Ratio Lower Upper

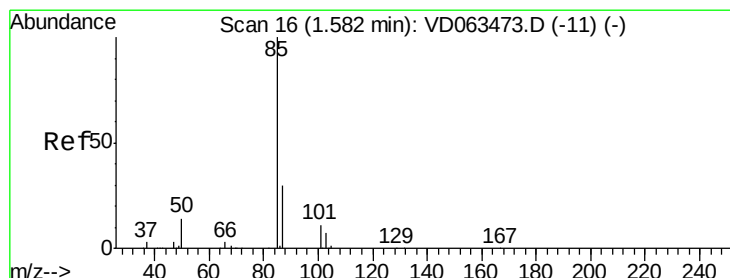
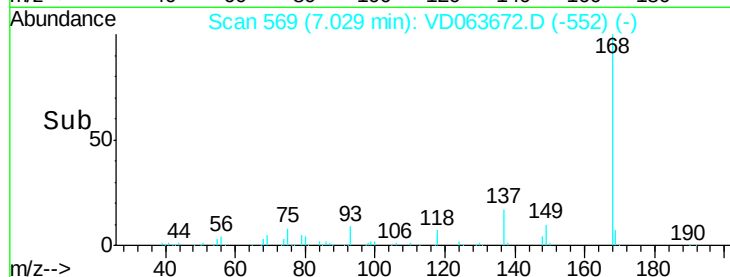
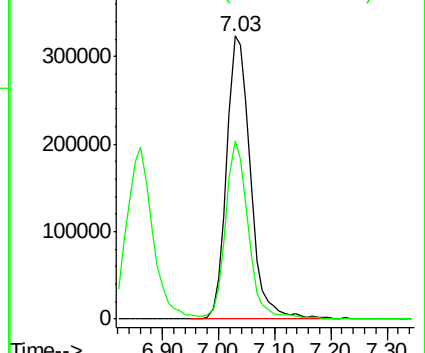
168 100

99 63.0 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 46.645 ug/l

RT: 1.57 min Scan# 14

Delta R.T. -0.02 min

Lab File: VD063672.D

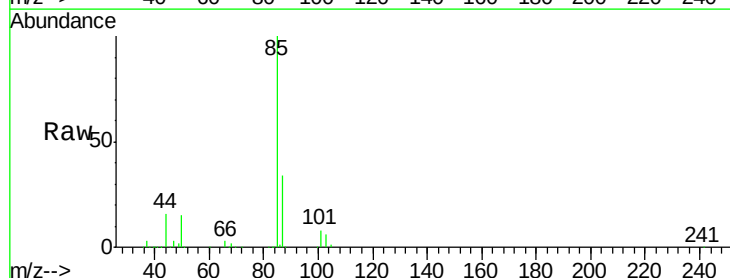
Acq: 19 Aug 2019 22:17

Tgt Ion: 85 Resp: 540906

Ion Ratio Lower Upper

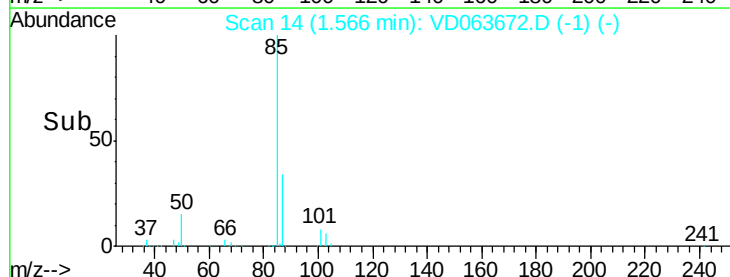
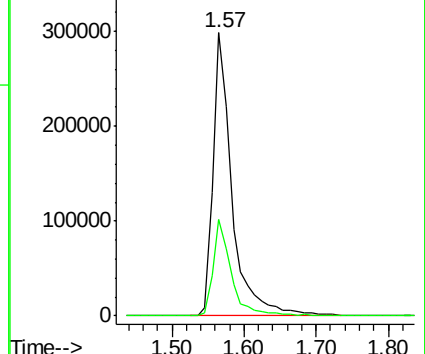
85 100

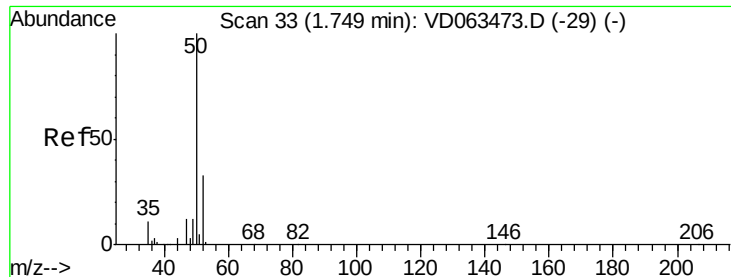
87 34.0 15.0 45.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 49.892 ug/l

RT: 1.74 min Scan# 32

Delta R.T. -0.01 min

Lab File: VD063672.D

Acq: 19 Aug 2019 22:17

Instrument :

MSVOA_D

ClientSampleId :

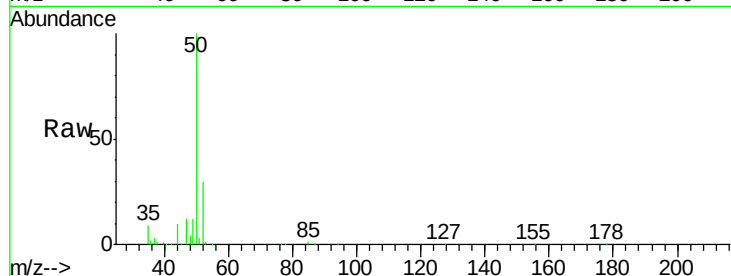
VSTDCCC050EC

Tot Ion: 50 Resp: 452030

Ion Ratio Lower Upper

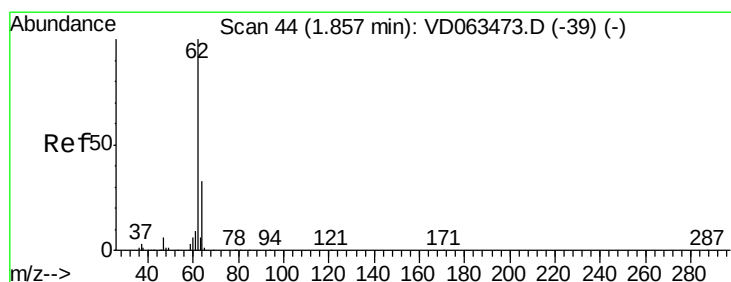
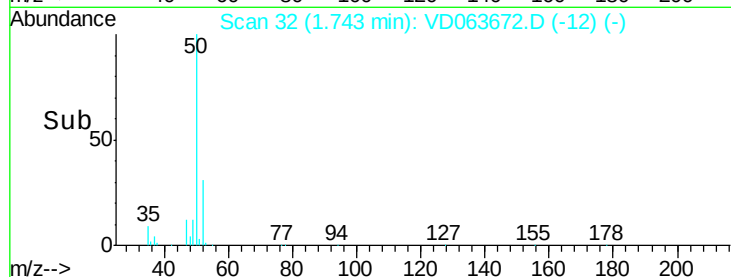
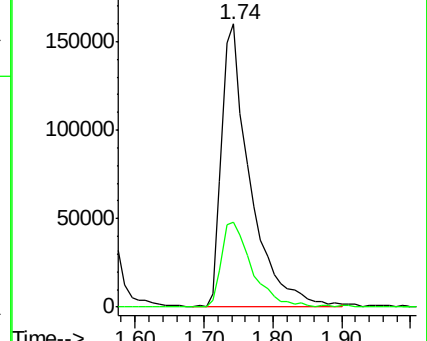
50 100

52 30.2 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 51.117 ug/l

RT: 1.84 min Scan# 42

Delta R.T. -0.02 min

Lab File: VD063672.D

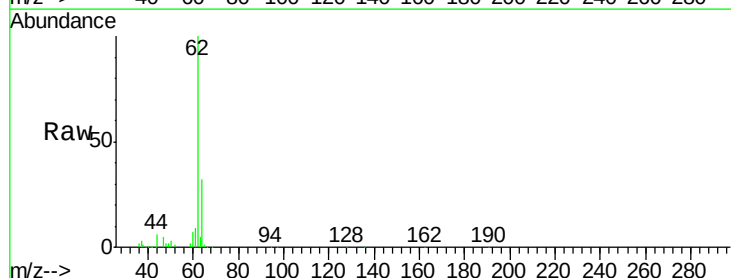
Acq: 19 Aug 2019 22:17

Tgt Ion: 62 Resp: 459759

Ion Ratio Lower Upper

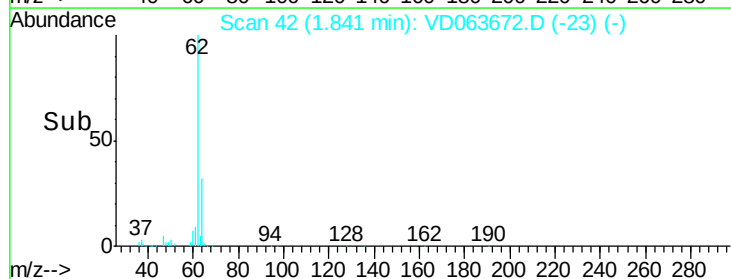
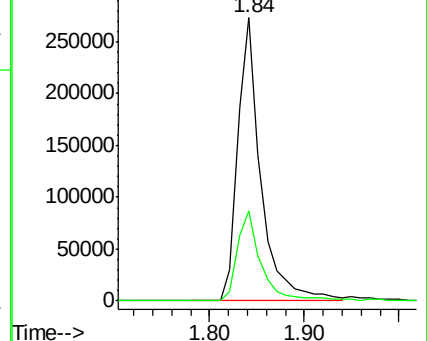
62 100

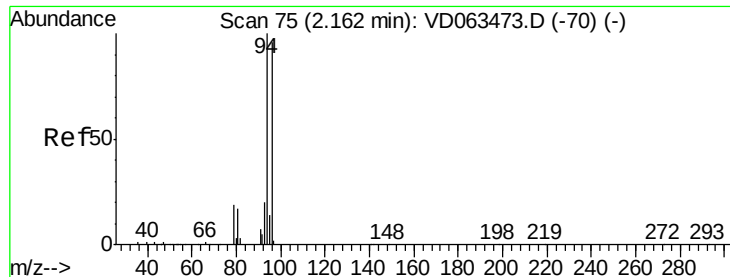
64 31.8 26.4 39.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 59.161 ug/l

RT: 2.15 min Scan# 73

Delta R.T. -0.02 min

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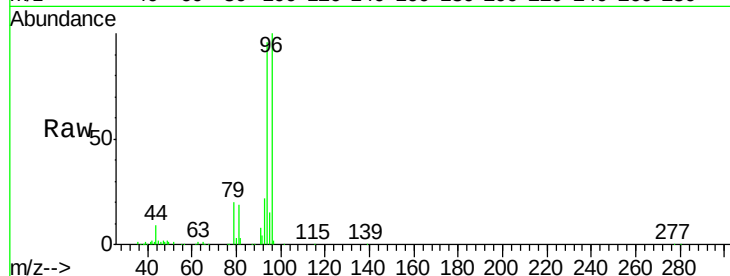
Tot Ion: 94 Resp: 251077

Ion Ratio Lower Upper

94 100

96 103.7 76.5 114.7

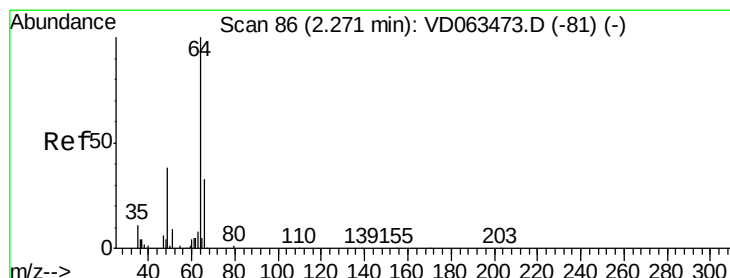
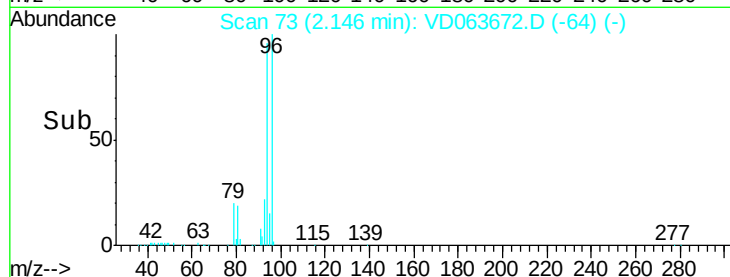
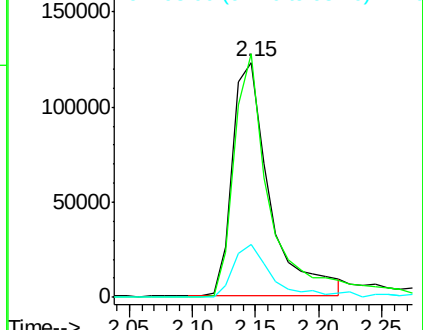
93 22.4 15.8 23.8



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 52.962 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.01 min

Lab File: VD063672.D

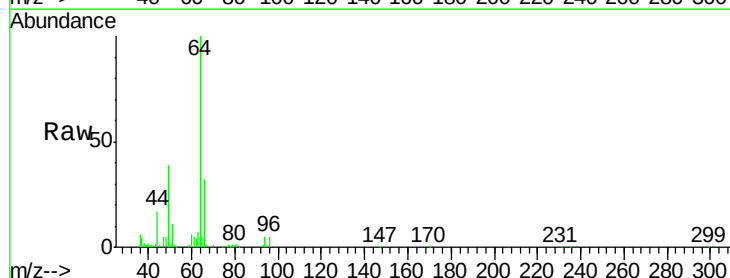
Acq: 19 Aug 2019 22:17

Tgt Ion: 64 Resp: 217834

Ion Ratio Lower Upper

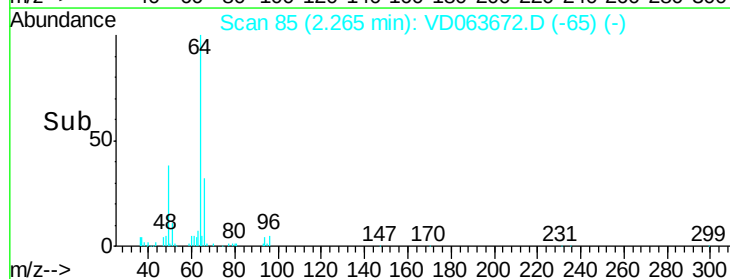
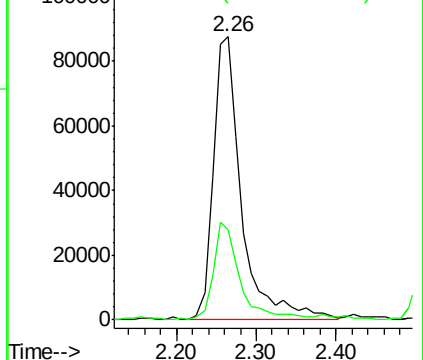
64 100

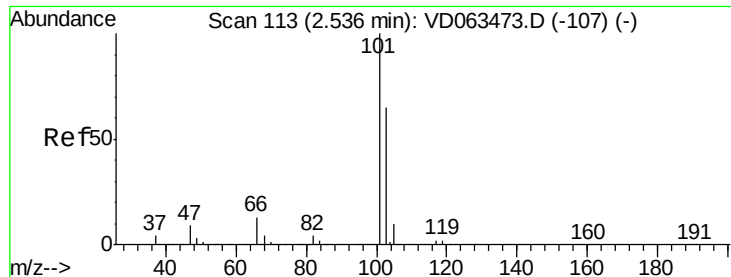
66 31.7 26.3 39.5



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



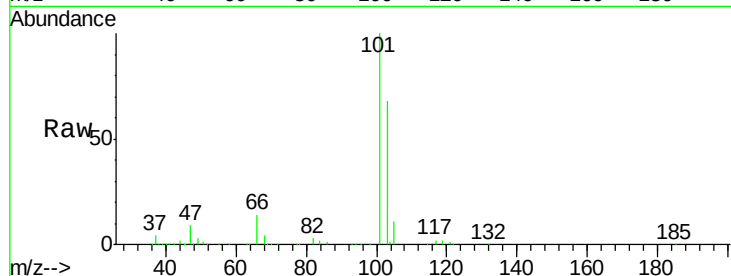


#7

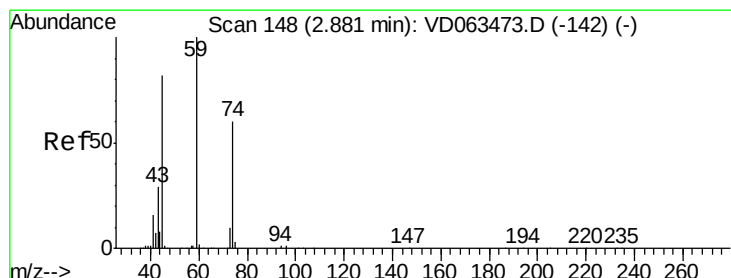
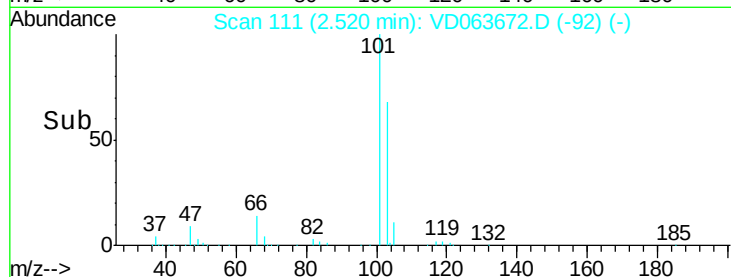
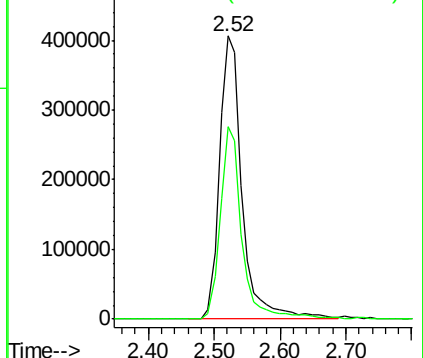
Trichlorofluoromethane
Concen: 55.041 ug/l
RT: 2.52 min Scan# 111
Delta R.T. -0.02 min
Lab File: VD063672.D
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Tot Ion:101 Resp: 971049
Ion Ratio Lower Upper
101 100
103 67.9 52.2 78.4



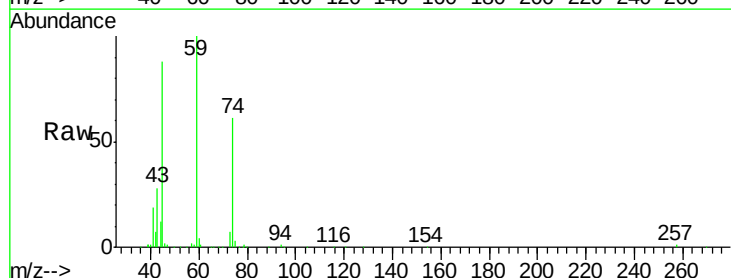
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



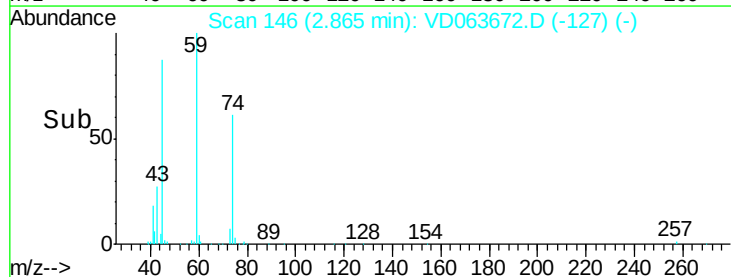
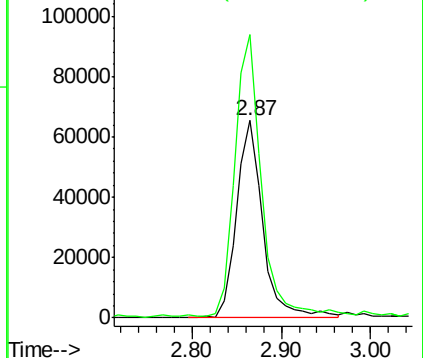
#8

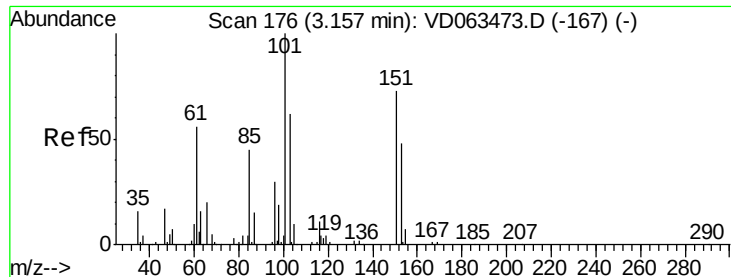
Diethyl Ether
Concen: 54.079 ug/l
RT: 2.87 min Scan# 146
Delta R.T. -0.02 min
Lab File: VD063672.D
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Tgt Ion: 74 Resp: 134704
Ion Ratio Lower Upper
74 100
45 143.3 68.5 205.5



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.040 ug/l

RT: 3.14 min Scan# 174

Delta R.T. -0.02 min

Lab File: VD063672.D

Acq: 19 Aug 2019 22:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

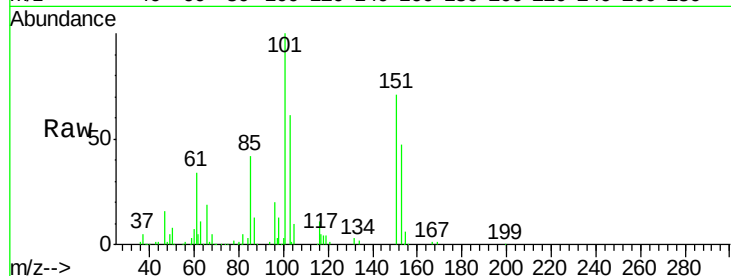
Tot Ion:101 Resp: 562950

Ion Ratio Lower Upper

101 100

85 42.2 35.8 53.6

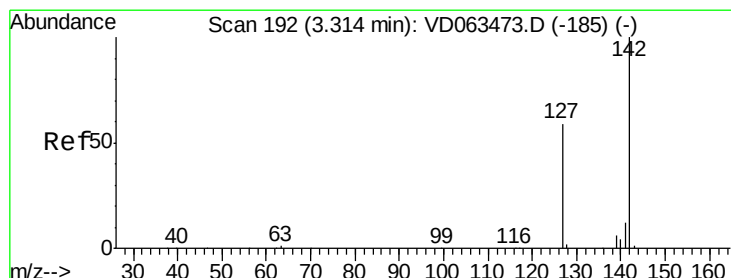
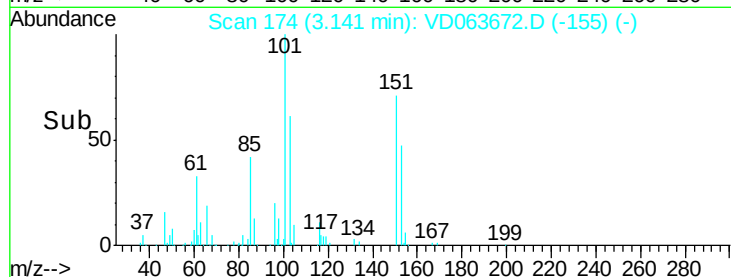
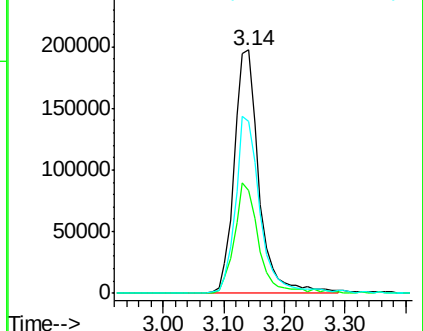
151 70.5 58.6 88.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 58.423 ug/l

RT: 3.29 min Scan# 189

Delta R.T. -0.03 min

Lab File: VD063672.D

Acq: 19 Aug 2019 22:17

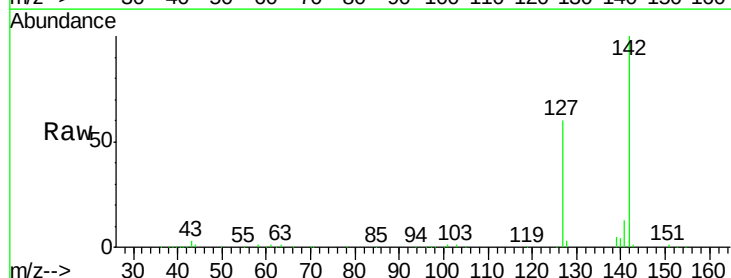
Tgt Ion:142 Resp: 861125

Ion Ratio Lower Upper

142 100

127 60.3 47.2 70.8

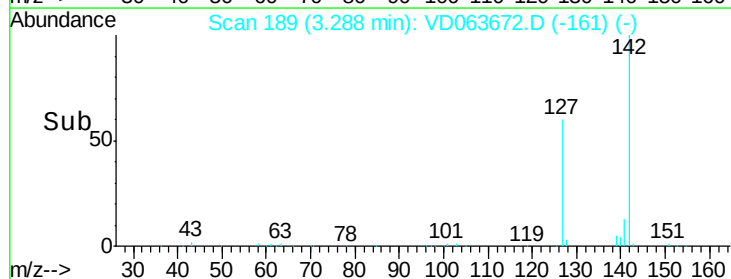
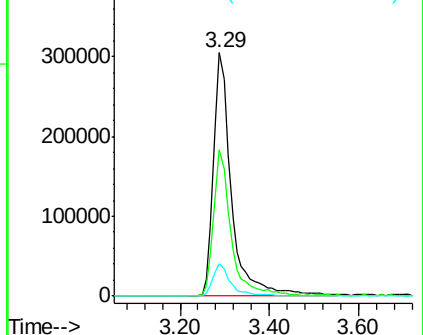
141 13.2 9.8 14.8

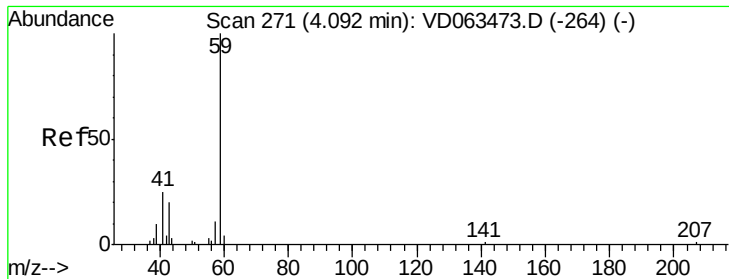


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



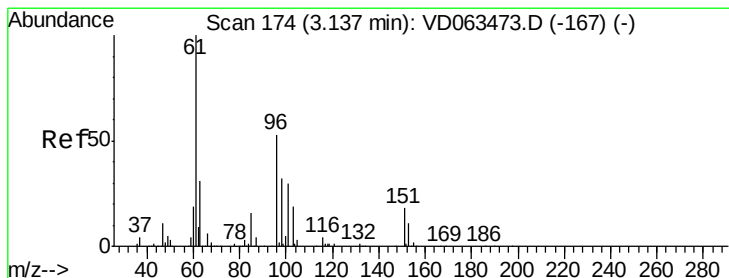
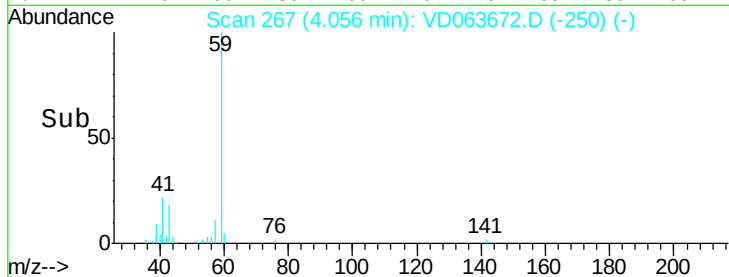
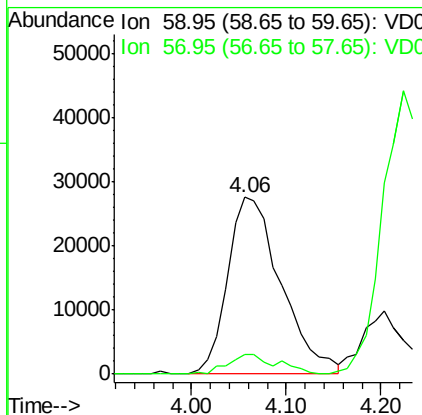
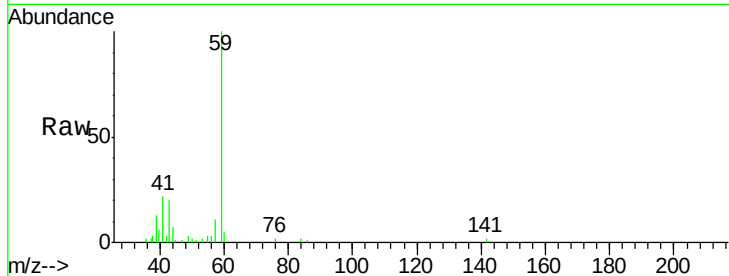


#11

Tert butyl alcohol
 Concen: 241.797 ug/l
 RT: 4.06 min Scan# 267
 Delta R.T. -0.04 min
 Lab File: VD063672.D
 Acq: 19 Aug 2019 22:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

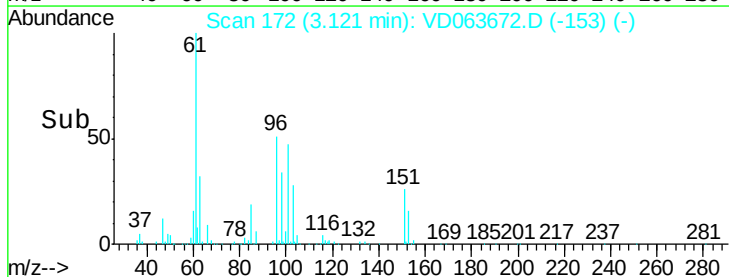
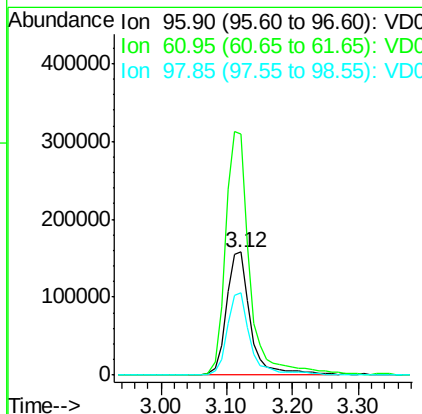
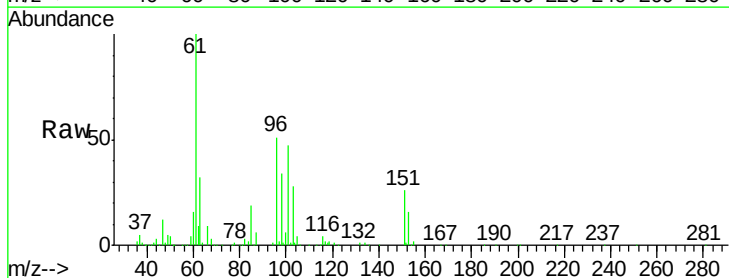
Tot Ion: 59 Resp: 107845
 Ion Ratio Lower Upper
 59 100
 57 11.0 8.7 13.1

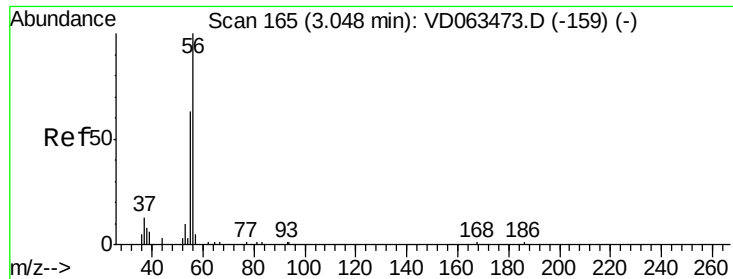


#12

1,1-Dichloroethene
 Concen: 52.385 ug/l
 RT: 3.12 min Scan# 172
 Delta R.T. -0.02 min
 Lab File: VD063672.D
 Acq: 19 Aug 2019 22:17

Tgt Ion: 96 Resp: 405727
 Ion Ratio Lower Upper
 96 100
 61 196.1 151.7 227.5
 98 67.0 48.4 72.6





#13

Acrolein

Concen: 220.418 ug/l

RT: 3.02 min Scan# 162

Delta R.T. -0.03 min

Lab File: VD063672.D

Acq: 19 Aug 2019 22:17

Instrument :

MSVOA_D

ClientSampleId :

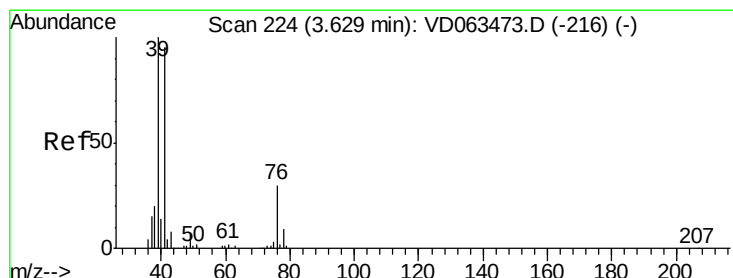
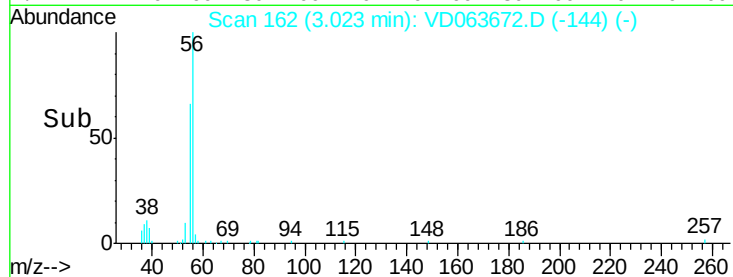
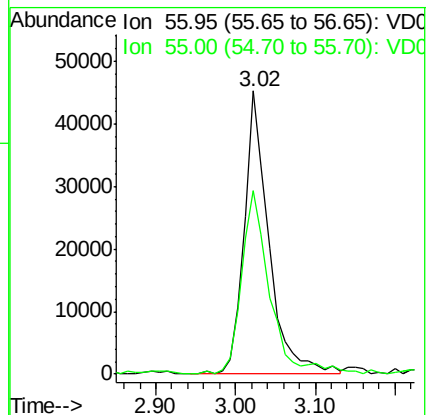
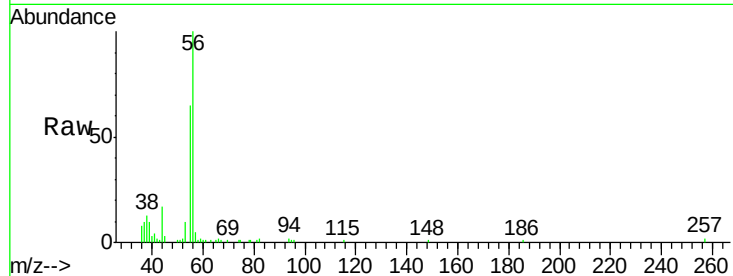
VSTDCCC050EC

Tot Ion: 56 Resp: 96768

Ion Ratio Lower Upper

56 100

55 65.0 51.3 76.9



#14

Allyl chloride

Concen: 54.642 ug/l

RT: 3.60 min Scan# 221

Delta R.T. -0.03 min

Lab File: VD063672.D

Acq: 19 Aug 2019 22:17

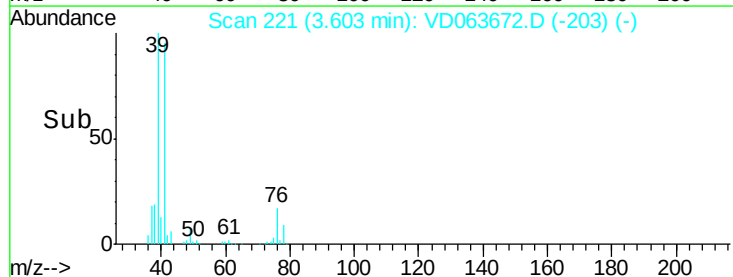
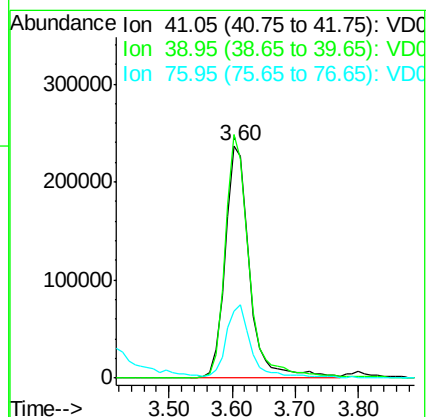
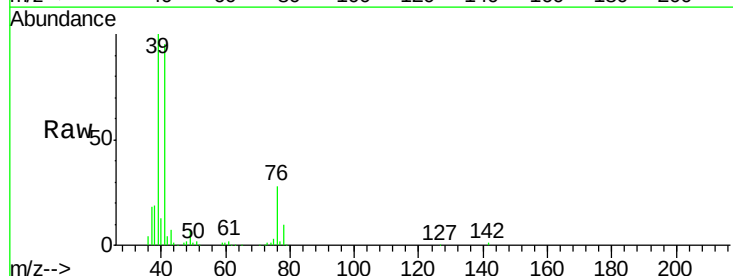
Tgt Ion: 41 Resp: 636209

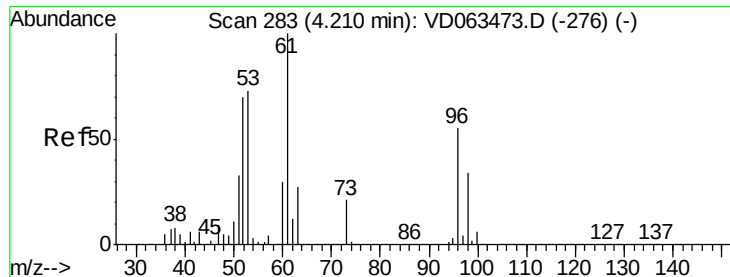
Ion Ratio Lower Upper

41 100

39 104.8 84.2 126.4

76 28.9 26.0 39.0





#15

Acrylonitrile

Concen: 264.901 ug/l

RT: 4.18 min Scan# 280

Delta R.T. -0.03 min

Lab File: VD063672.D

Acq: 19 Aug 2019 22:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

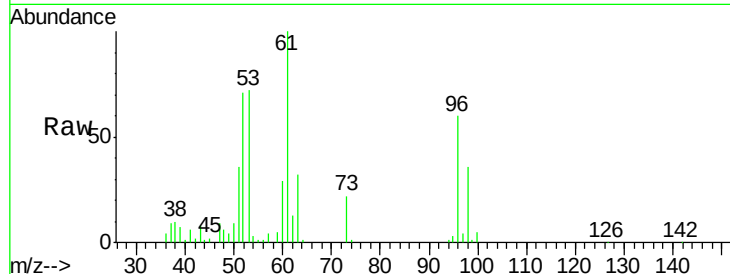
Tot Ion: 53 Resp: 312951

Ion Ratio Lower Upper

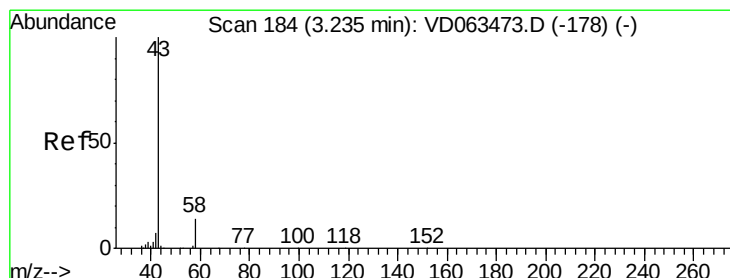
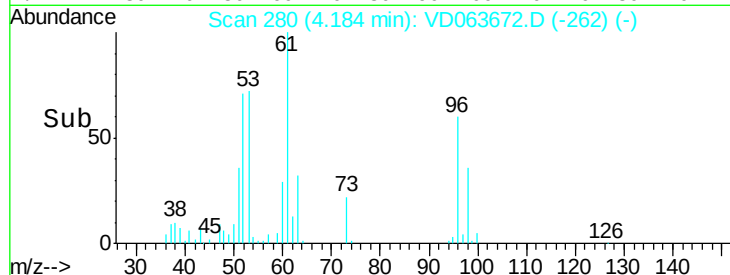
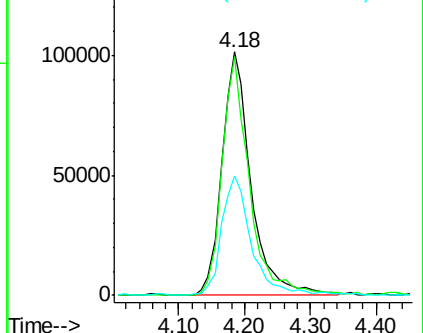
53 100

52 97.8 77.4 116.0

51 49.2 36.7 55.1



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 215.437 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.03 min

Lab File: VD063672.D

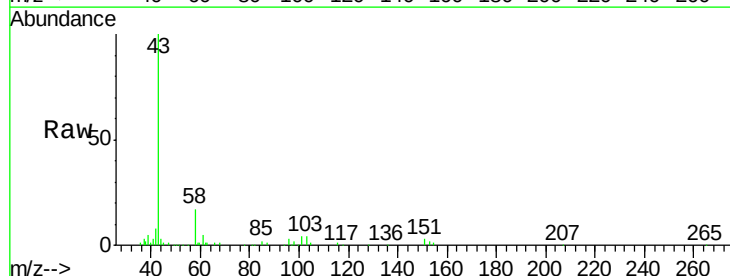
Acq: 19 Aug 2019 22:17

Tgt Ion: 43 Resp: 448701

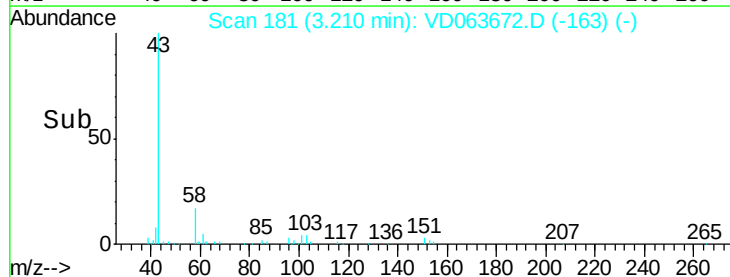
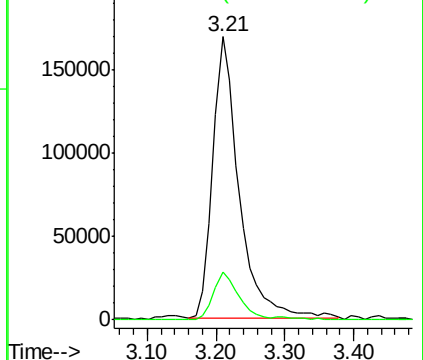
Ion Ratio Lower Upper

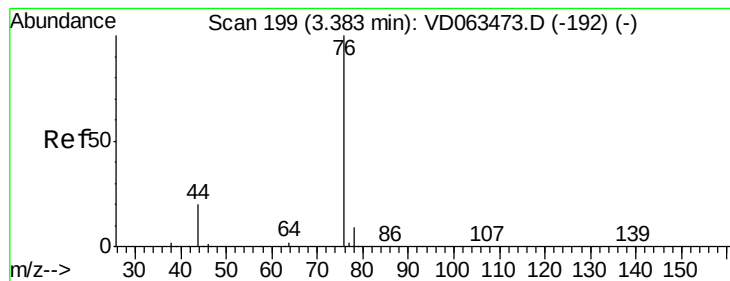
43 100

58 16.8 11.4 17.2



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





#17

Carbon Disulfide

Concen: 49.345 ug/l

RT: 3.36 min Scan# 196

Delta R.T. -0.03 min

Lab File: VD063672.D

Acq: 19 Aug 2019 22:17

Instrument :

MSVOA_D

ClientSampleId :

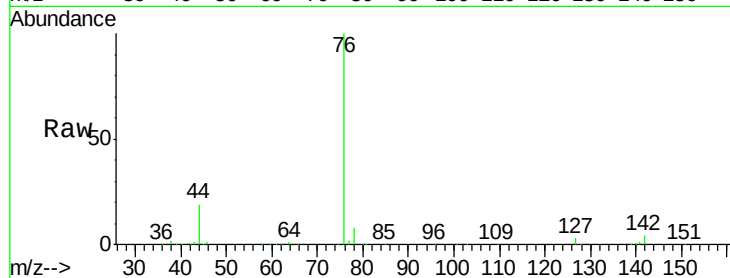
VSTDCCC050EC

Tot Ion: 76 Resp: 1206186

Ion Ratio Lower Upper

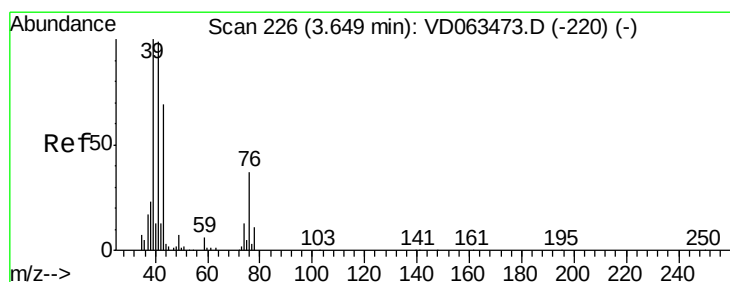
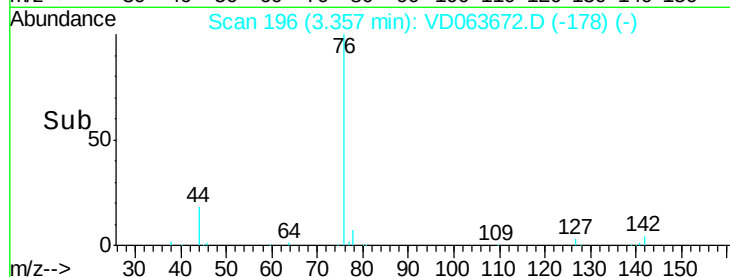
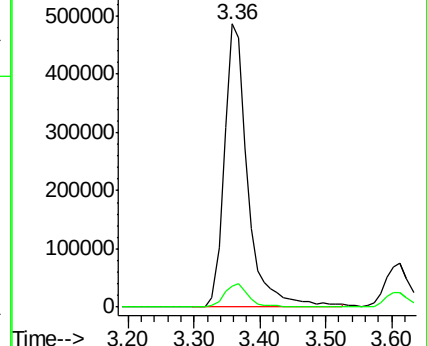
76 100

78 7.5 7.4 11.0



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 50.406 ug/l

RT: 3.63 min Scan# 224

Delta R.T. -0.02 min

Lab File: VD063672.D

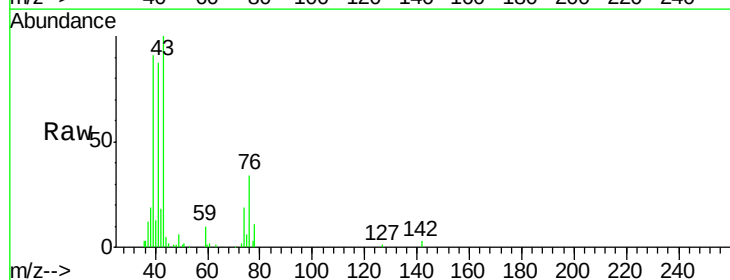
Acq: 19 Aug 2019 22:17

Tgt Ion: 43 Resp: 198851

Ion Ratio Lower Upper

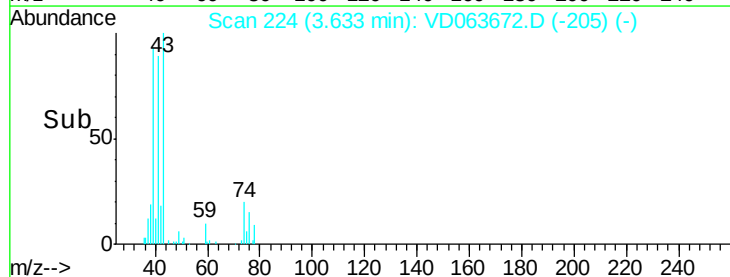
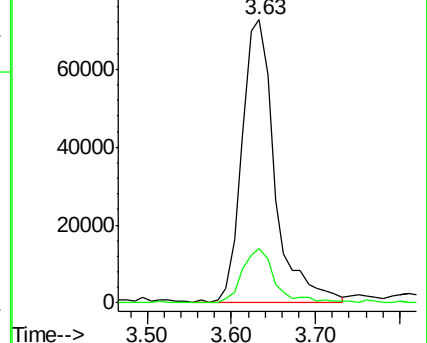
43 100

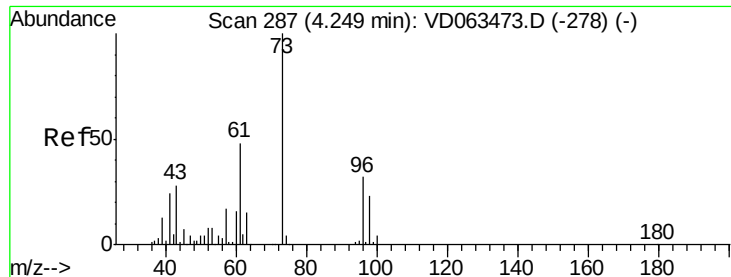
74 19.1 15.4 23.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

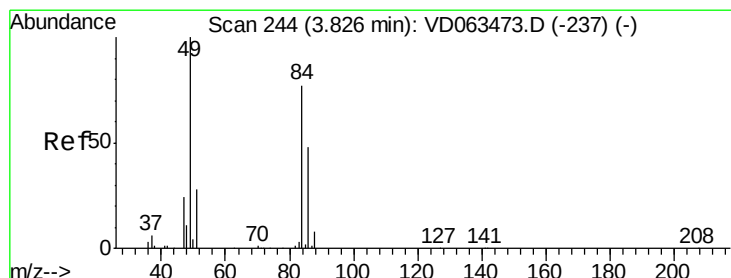
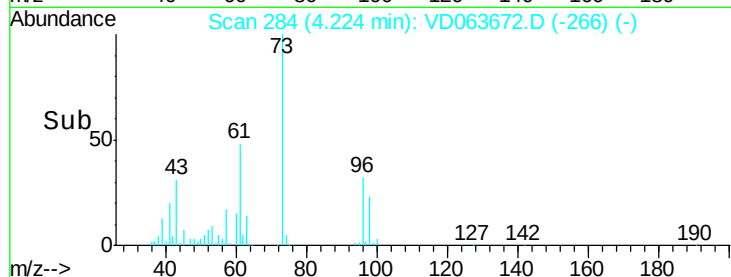
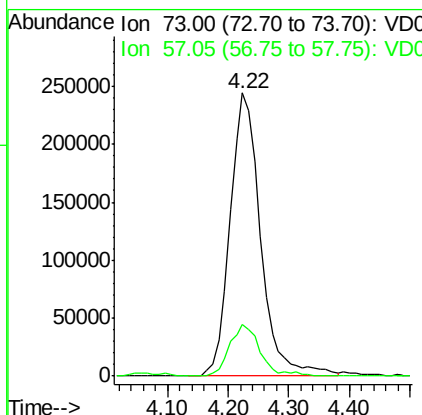
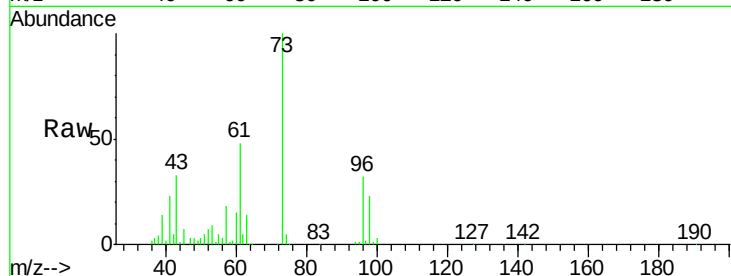




#19
Methyl tert-butyl Ether
Concen: 55.259 ug/l
RT: 4.22 min Scan# 284
Delta R.T. -0.03 min
Lab File: VD063672.D
Acq: 19 Aug 2019 22:17

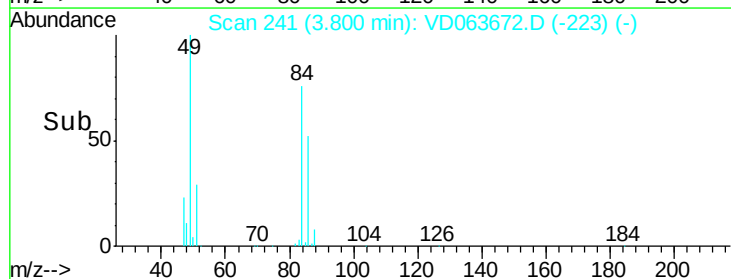
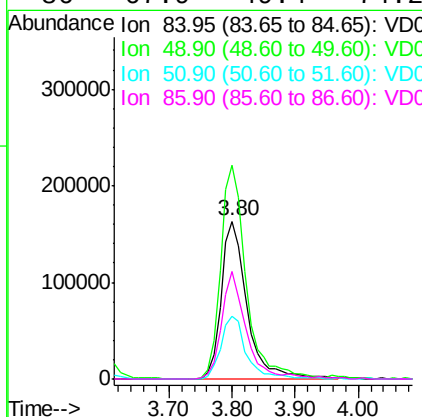
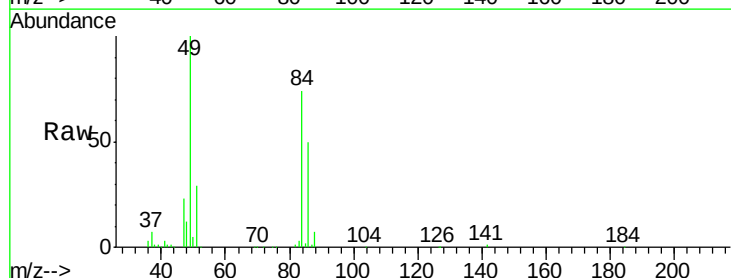
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

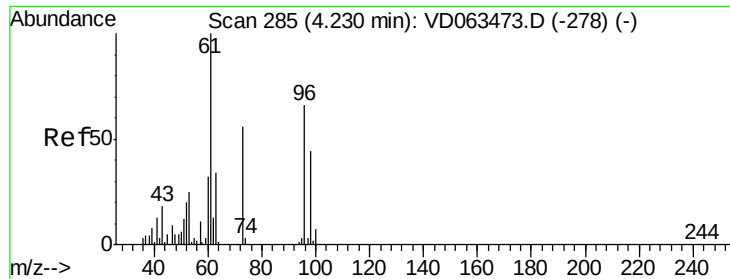
Tot Ion: 73 Resp: 855921
Ion Ratio Lower Upper
73 100
57 18.1 14.0 21.0



#20
Methylene Chloride
Concen: 51.652 ug/l
RT: 3.80 min Scan# 241
Delta R.T. -0.03 min
Lab File: VD063672.D
Acq: 19 Aug 2019 22:17

Tgt Ion: 84 Resp: 465185
Ion Ratio Lower Upper
84 100
49 135.4 103.4 155.2
51 39.6 28.5 42.7
86 67.9 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 55.297 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.03 min

Lab File: VD063672.D

Acq: 19 Aug 2019 22:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

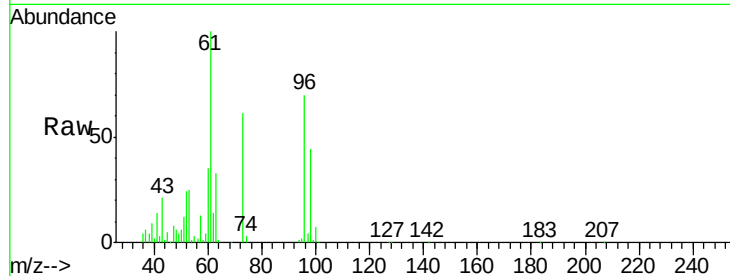
Tot Ion: 96 Resp: 450690

Ion Ratio Lower Upper

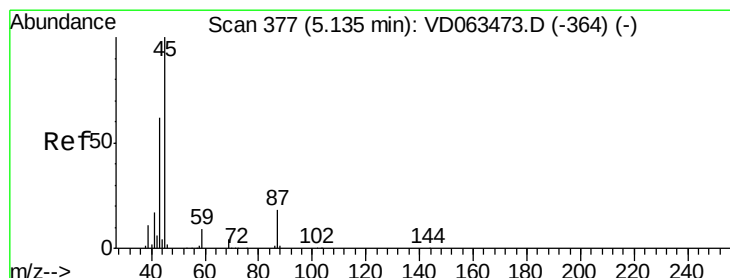
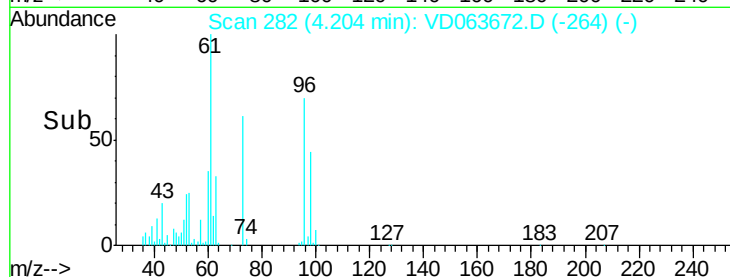
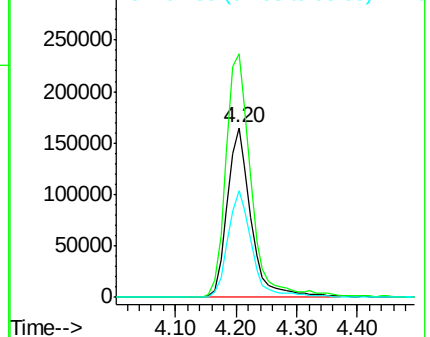
96 100

61 143.2 121.7 182.5

98 62.9 54.2 81.2



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



#22

Diisopropyl ether

Concen: 54.580 ug/l

RT: 5.11 min Scan# 374

Delta R.T. -0.03 min

Lab File: VD063672.D

Acq: 19 Aug 2019 22:17

Tgt Ion: 45 Resp: 1311331

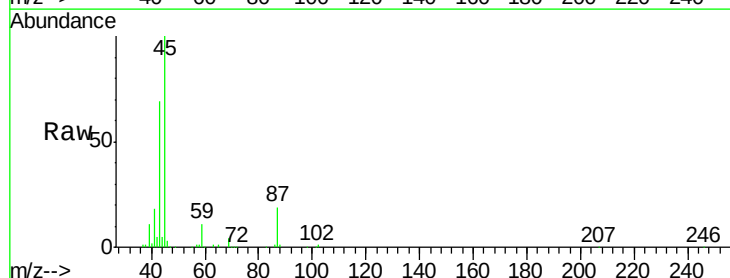
Ion Ratio Lower Upper

45 100

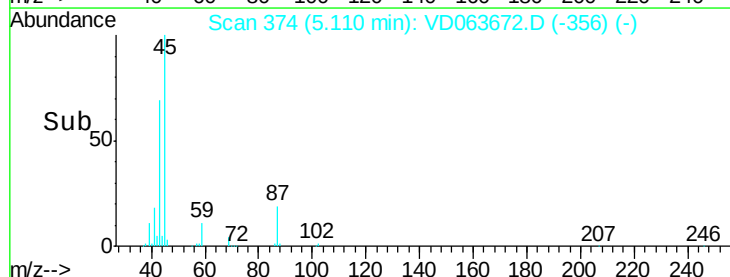
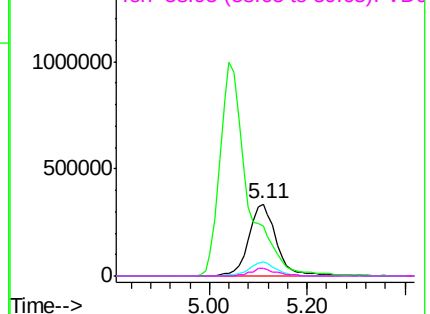
43 69.4 50.3 75.5

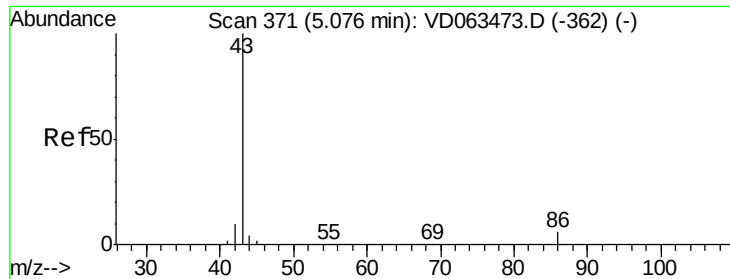
87 18.9 14.3 21.5

59 10.5 7.7 11.5



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





#23

Vinyl Acetate

Concen: 280.524 ug/l

RT: 5.04 min Scan# 367

Delta R.T. -0.04 min

Lab File: VD063672.D

Acq: 19 Aug 2019 22:17

Instrument :

MSVOA_D

ClientSampleId :

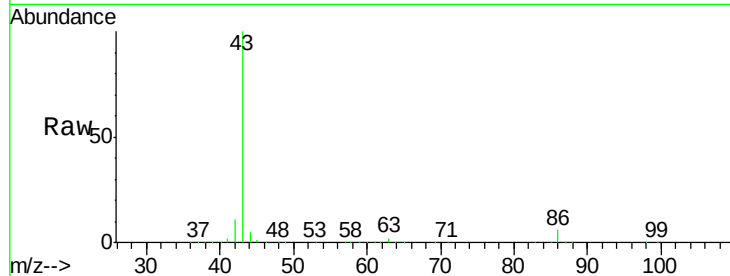
VSTDCCC050EC

Tot Ion: 43 Resp: 3918249

Ion Ratio Lower Upper

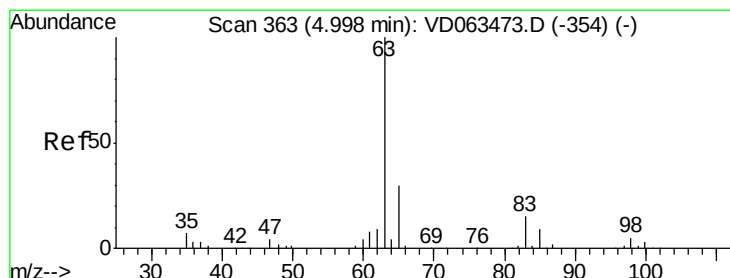
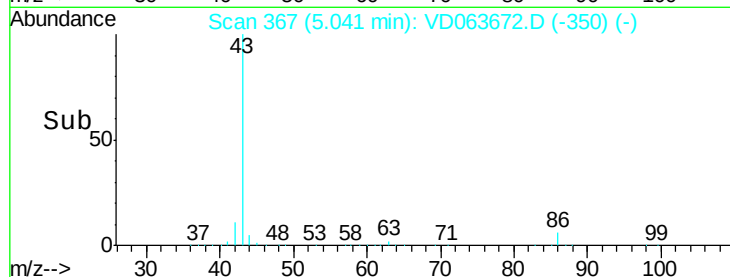
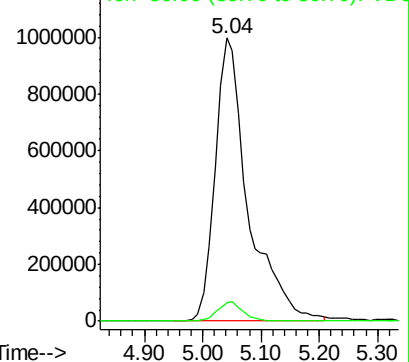
43 100

86 6.5 4.8 7.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 53.657 ug/l

RT: 4.96 min Scan# 359

Delta R.T. -0.04 min

Lab File: VD063672.D

Acq: 19 Aug 2019 22:17

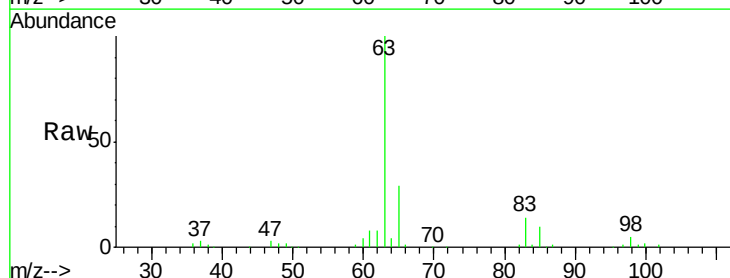
Tgt Ion: 63 Resp: 799577

Ion Ratio Lower Upper

63 100

98 4.6 2.4 7.2

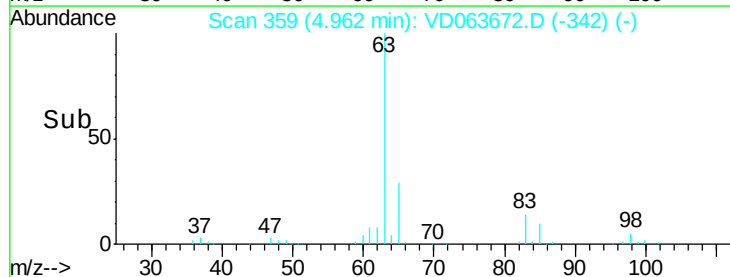
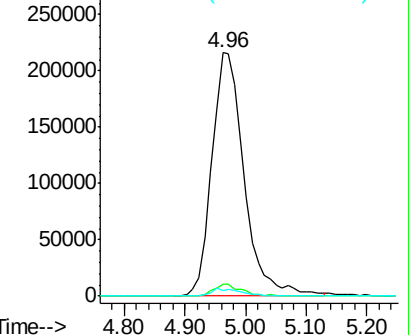
100 2.4 1.3 3.8

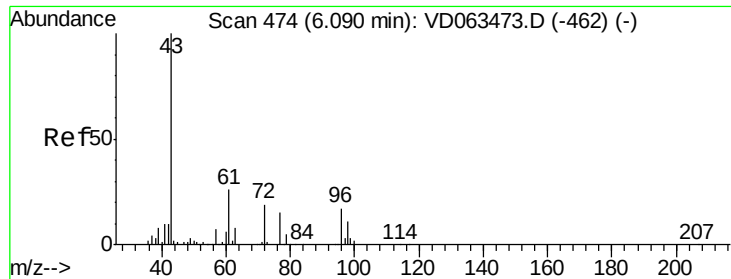


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 256.308 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.03 min

Lab File: VD063672.D

Acq: 19 Aug 2019 22:17

Instrument :

MSVOA_D

ClientSampleId :

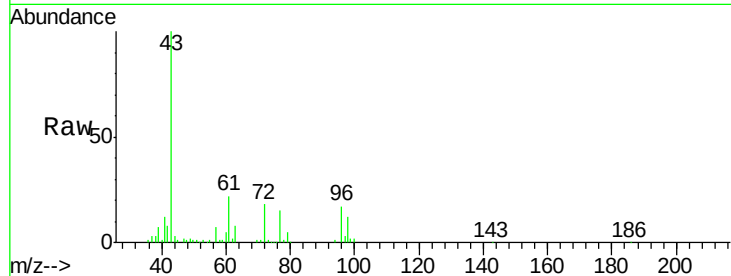
VSTDCCC050EC

Tot Ion: 43 Resp: 527225

Ion Ratio Lower Upper

43 100

72 18.2 15.1 22.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

200000

150000

100000

50000

0

6.06

Time-->

5.90 6.00 6.10

6.06

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6.06

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6.06

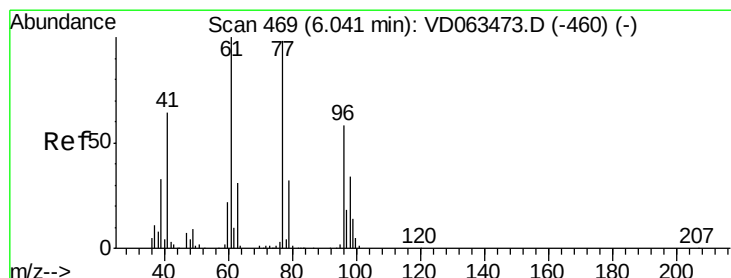
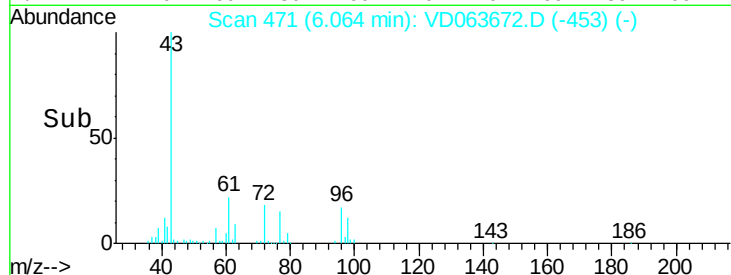
6.06

6.06

6.06

6.06

6.06



#26

2,2-Dichloropropane

Concen: 57.134 ug/l

RT: 6.02 min Scan# 466

Delta R.T. -0.03 min

Lab File: VD063672.D

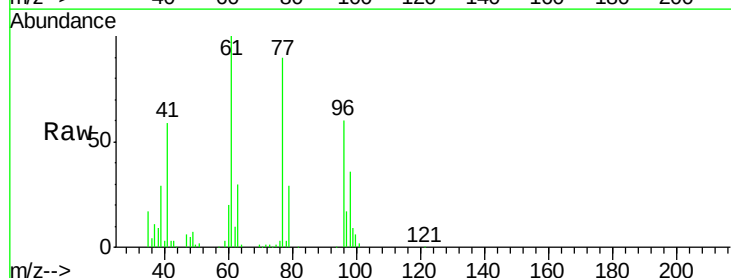
Acq: 19 Aug 2019 22:17

Tgt Ion: 77 Resp: 848012

Ion Ratio Lower Upper

77 100

97 19.3 9.0 27.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

250000

200000

150000

100000

50000

0

6.02

Time-->

5.90 6.00 6.10 6.20

6.02

6.02

6.02

6.02

6.02

6.02

6.02

6.02

6.02

6.02

6.02

6.02

6.02

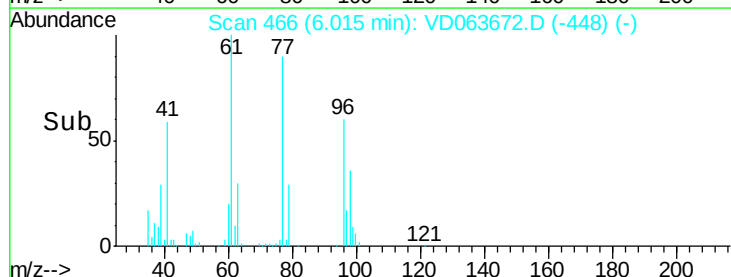
6.02

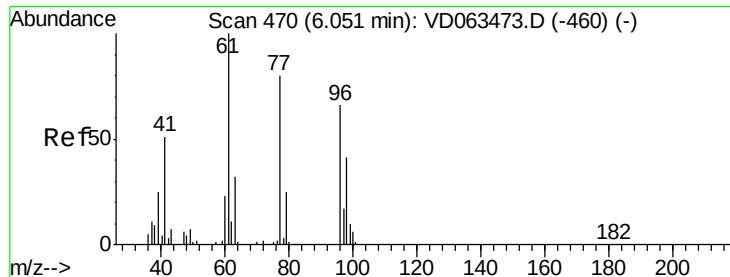
6.02

6.02

6.02

6.02



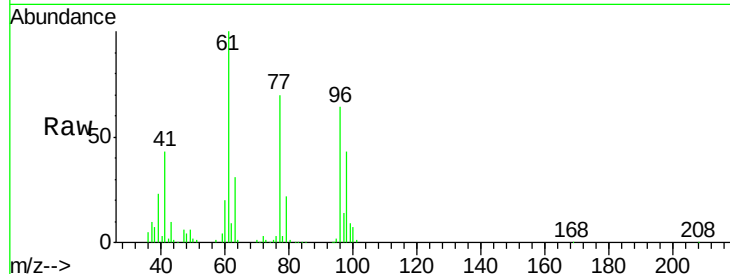


#27

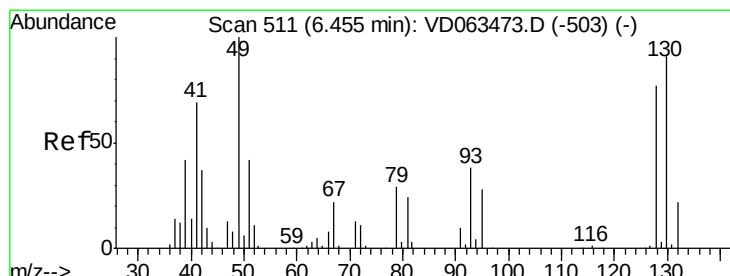
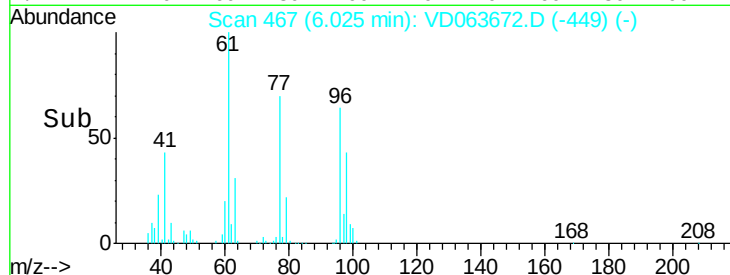
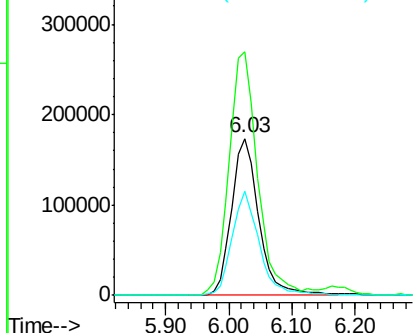
cis-1,2-Dichloroethene
Concen: 58.314 ug/l
RT: 6.03 min Scan# 467
Delta R.T. -0.03 min
Lab File: VD063672.D
Acq: 19 Aug 2019 22:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	155.0	0.0	304.0
98	66.0	0.0	124.8



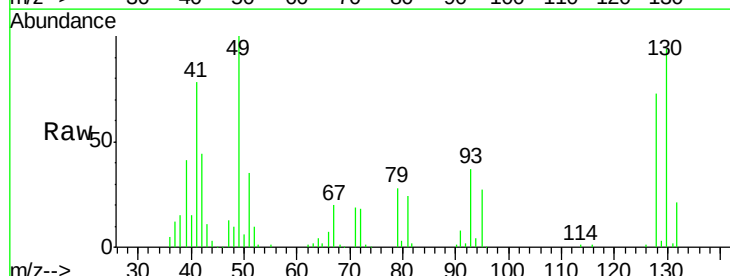
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



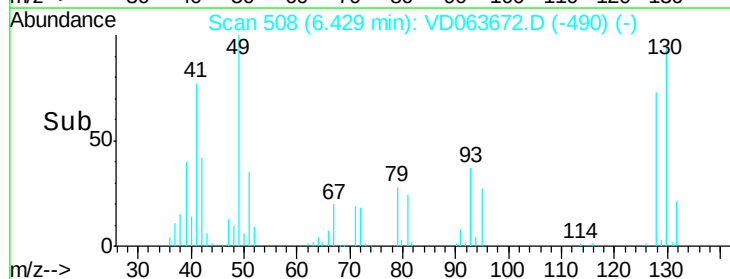
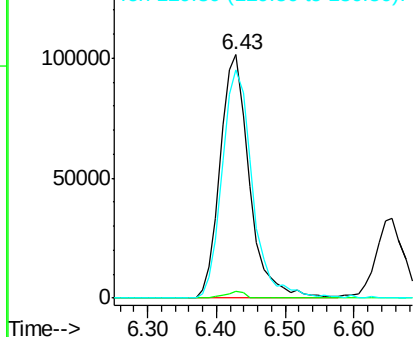
#28

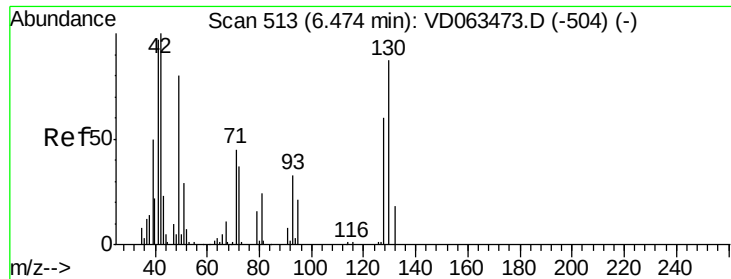
Bromochloromethane
Concen: 49.542 ug/l
RT: 6.43 min Scan# 508
Delta R.T. -0.03 min
Lab File: VD063672.D
Acq: 19 Aug 2019 22:17

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.1	0.0	6.4
130	94.0	72.4	108.6



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): VDC
Ion 129.80 (129.50 to 130.50): VDC





#29

Tetrahydrofuran

Concen: 242.095 ug/l

RT: 6.45 min Scan# 510

Delta R.T. -0.03 min

Lab File: VD063672.D

Acq: 19 Aug 2019 22:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

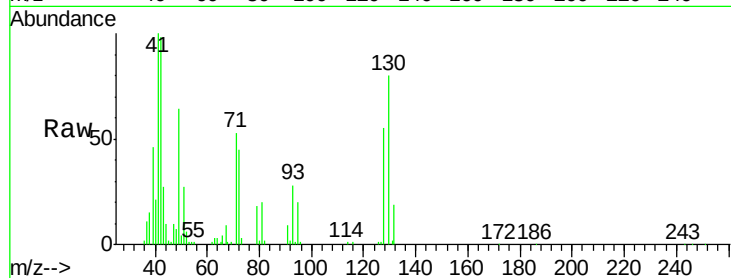
Tot Ion: 42 Resp: 232050

Ion Ratio Lower Upper

42 100

72 44.3 31.5 47.3

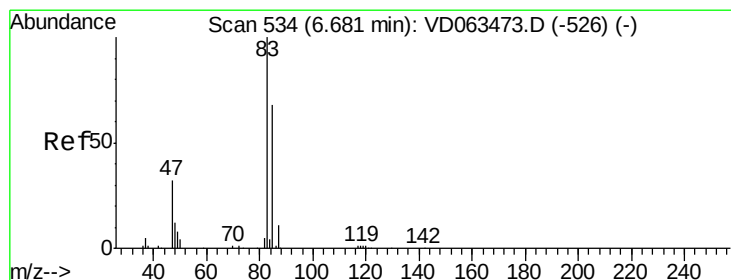
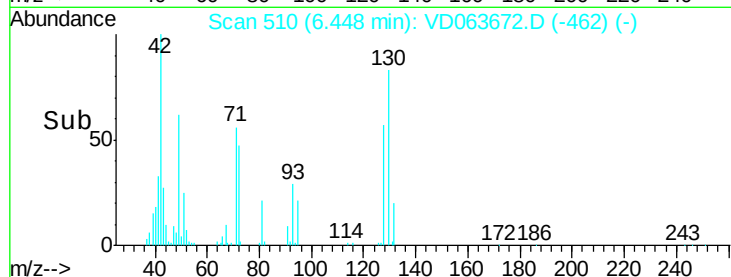
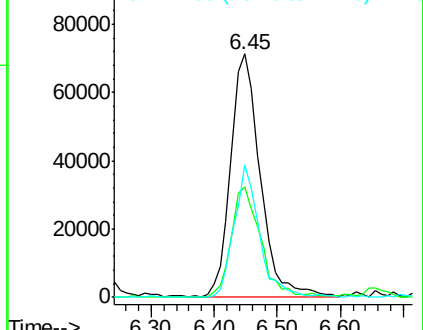
71 45.7 33.8 50.8



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 53.641 ug/l

RT: 6.65 min Scan# 530

Delta R.T. -0.04 min

Lab File: VD063672.D

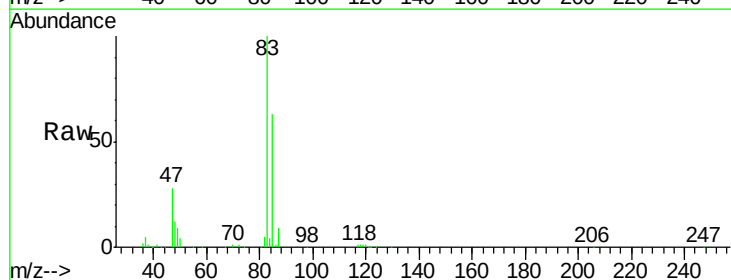
Acq: 19 Aug 2019 22:17

Tgt Ion: 83 Resp: 993567

Ion Ratio Lower Upper

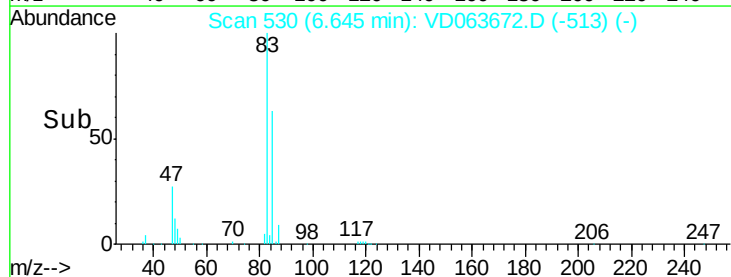
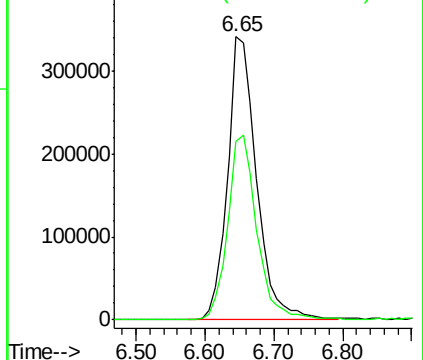
83 100

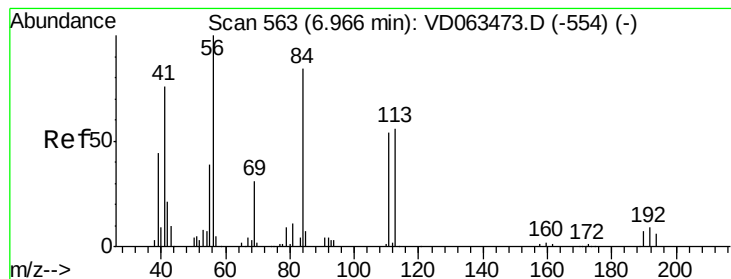
85 63.2 54.8 82.2



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC





#31

Cyclohexane

Concen: 50.033 ug/l

RT: 6.94 min Scan# 560

Delta R.T. -0.03 min

Lab File: VD063672.D

Acq: 19 Aug 2019 22:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

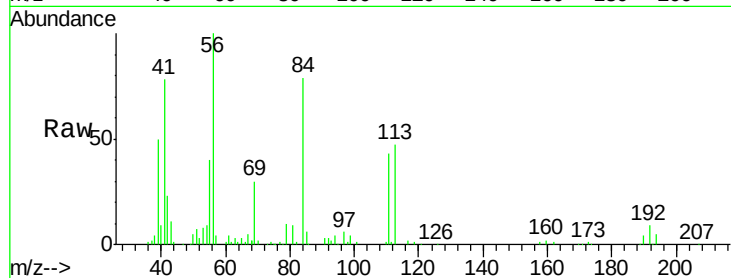
Tot Ion: 56 Resp: 462857

Ion Ratio Lower Upper

56 100

69 30.1 25.0 37.6

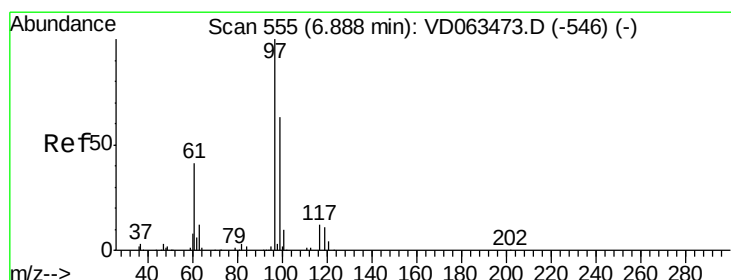
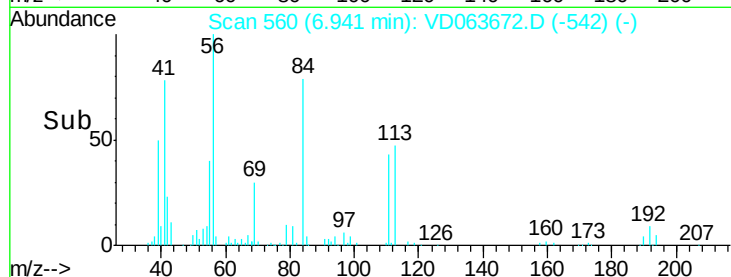
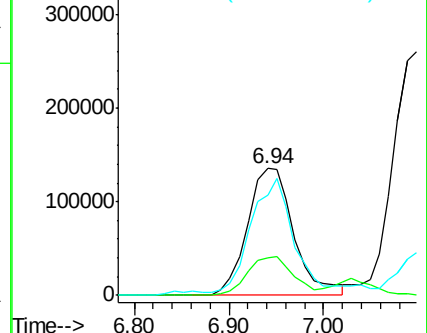
84 78.6 69.7 104.5



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: 54.505 ug/l

RT: 6.85 min Scan# 551

Delta R.T. -0.04 min

Lab File: VD063672.D

Acq: 19 Aug 2019 22:17

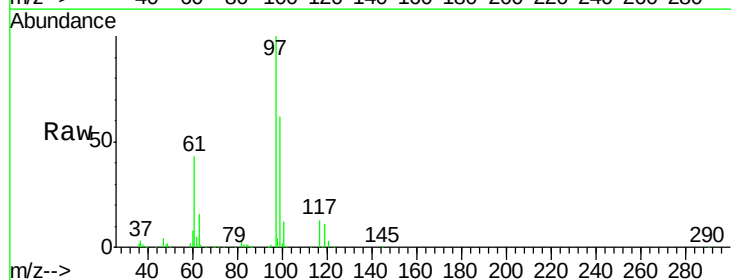
Tgt Ion: 97 Resp: 965742

Ion Ratio Lower Upper

97 100

99 61.9 50.2 75.4

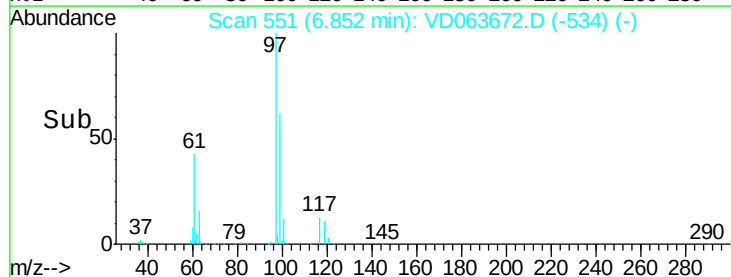
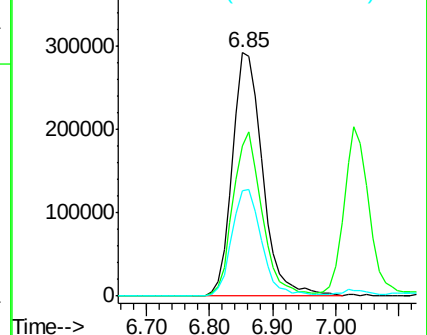
61 43.2 33.1 49.7

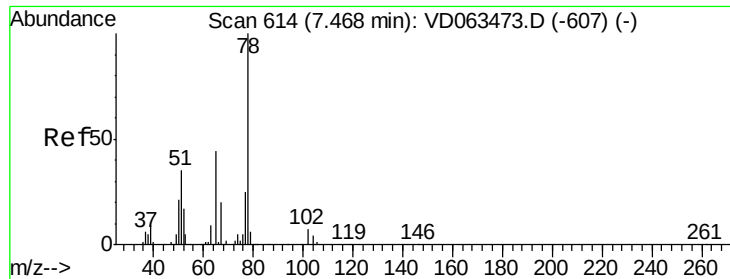


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 98.85 (98.55 to 99.55): VDC

Ion 60.95 (60.65 to 61.65): VDC

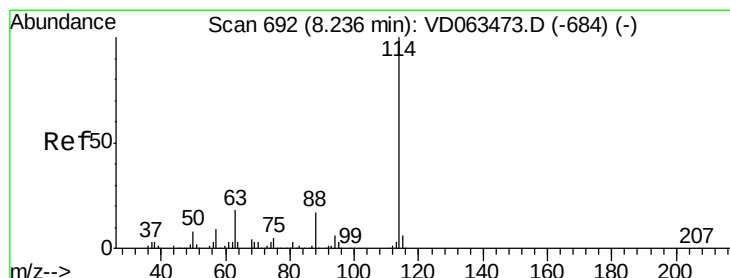
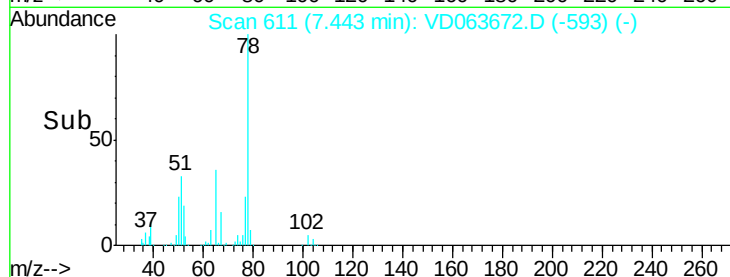
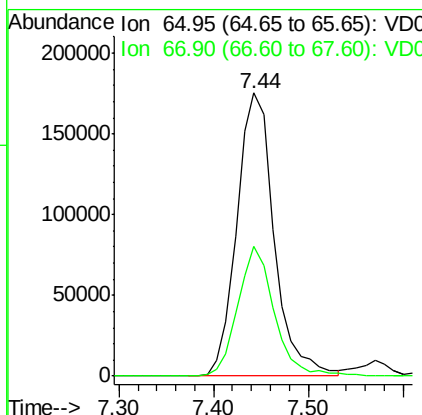
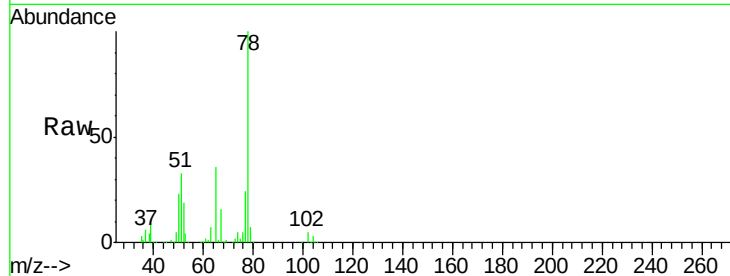




#33
 1,2-Dichloroethane-d4
 Concen: 46.787 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. -0.03 min
 Lab File: VD063672.D
 Acq: 19 Aug 2019 22:17

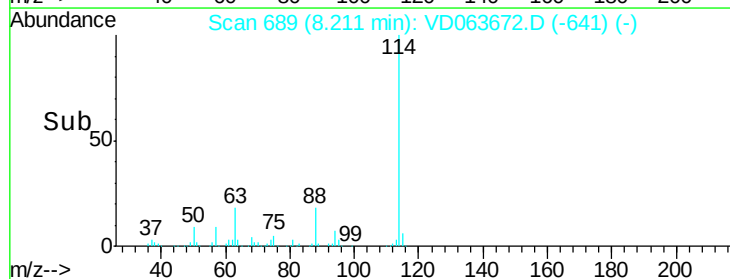
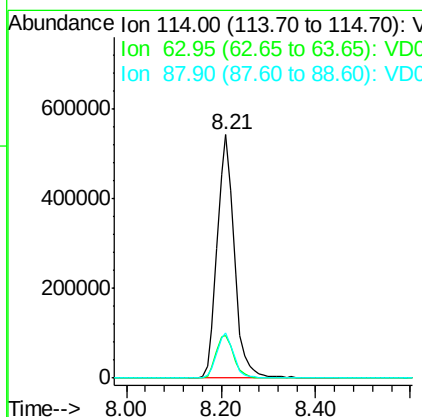
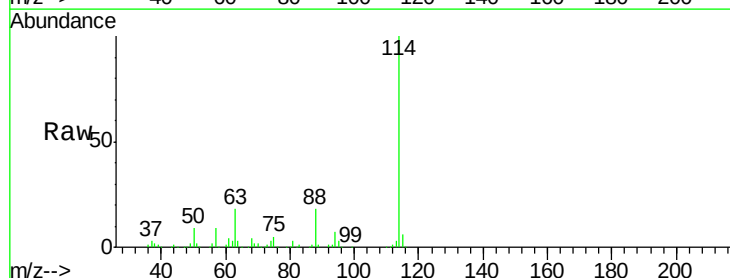
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

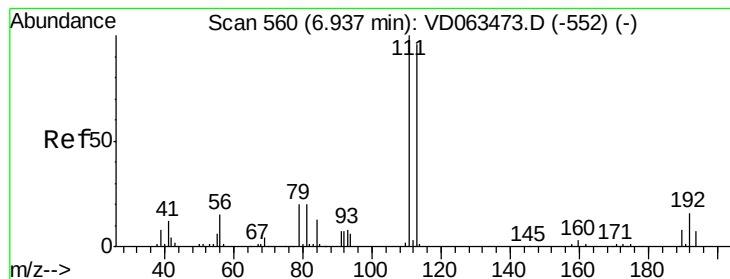
Tot Ion: 65 Resp: 479365
 Ion Ratio Lower Upper
 65 100
 67 45.7 0.0 89.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. -0.03 min
 Lab File: VD063672.D
 Acq: 19 Aug 2019 22:17

Tgt Ion: 114 Resp: 1362590
 Ion Ratio Lower Upper
 114 100
 63 17.5 0.0 36.2
 88 18.4 0.0 35.0





#35

Dibromofluoromethane

Concen: 47.372 ug/l

RT: 6.91 min Scan# 557

Delta R.T. -0.03 min

Lab File: VD063672.D

Acq: 19 Aug 2019 22:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

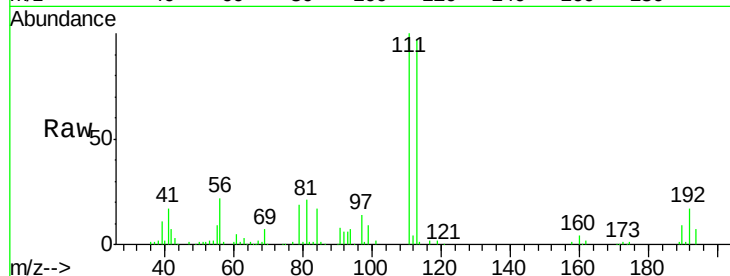
Tot Ion:113 Resp: 543632

Ion Ratio Lower Upper

113 100

111 103.6 83.1 124.7

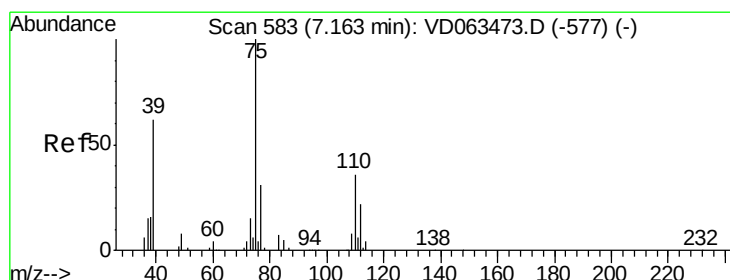
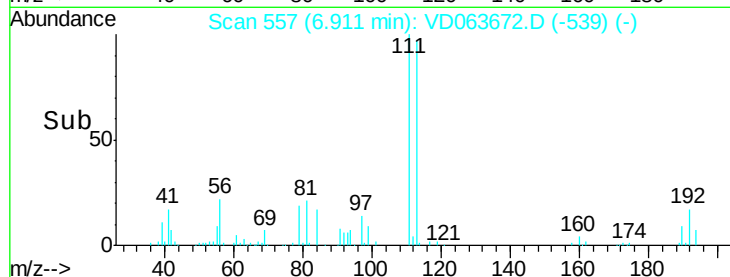
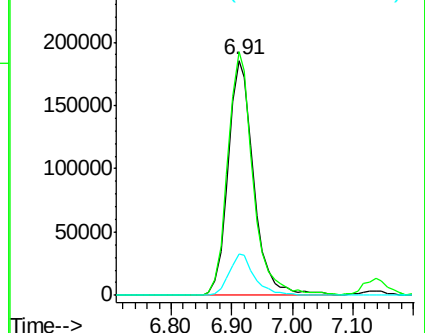
192 17.4 13.1 19.7



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 54.477 ug/l

RT: 7.14 min Scan# 580

Delta R.T. -0.03 min

Lab File: VD063672.D

Acq: 19 Aug 2019 22:17

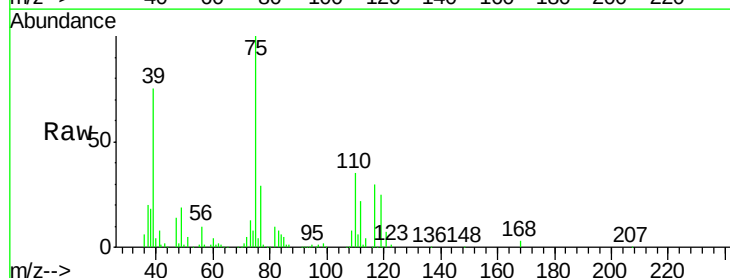
Tgt Ion: 75 Resp: 656212

Ion Ratio Lower Upper

75 100

110 35.1 17.6 52.8

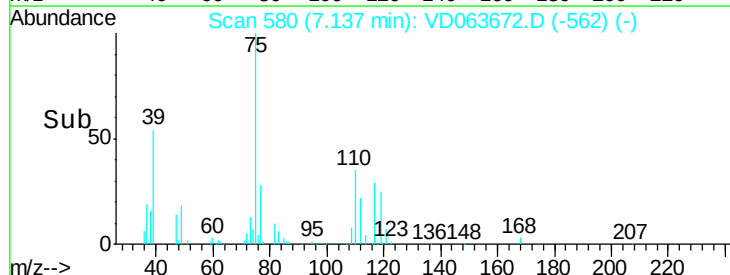
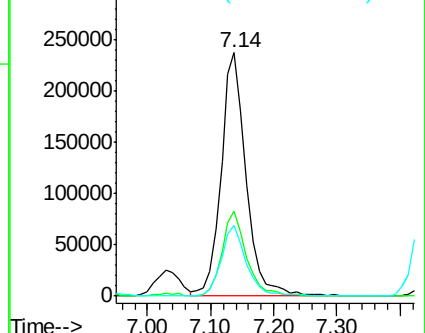
77 29.1 24.3 36.5

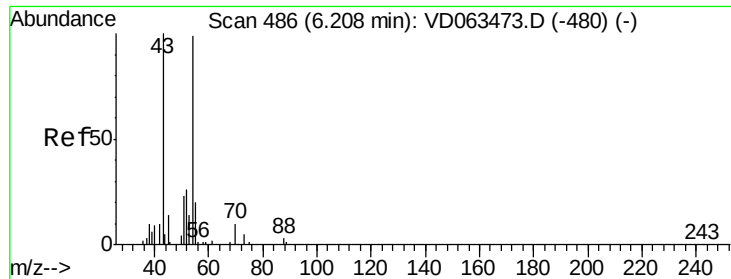


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

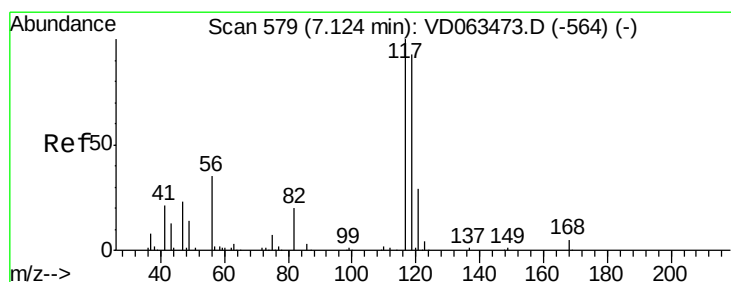
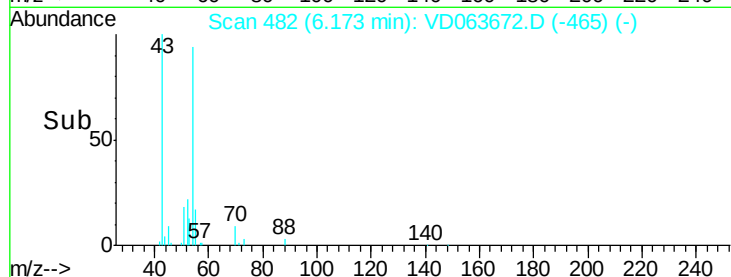
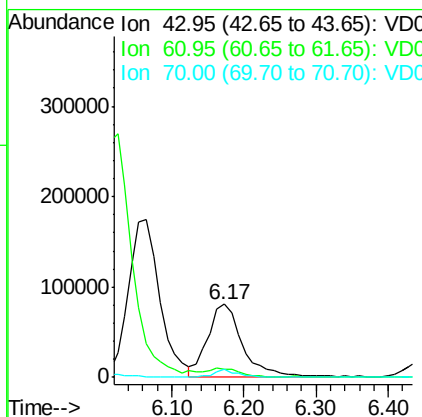
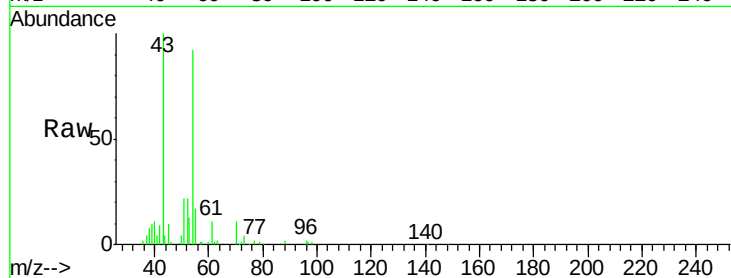




#37
Ethyl Acetate
Concen: 52.135 ug/l
RT: 6.17 min Scan# 482
Delta R.T. -0.04 min
Lab File: VD063672.D
Acq: 19 Aug 2019 22:17

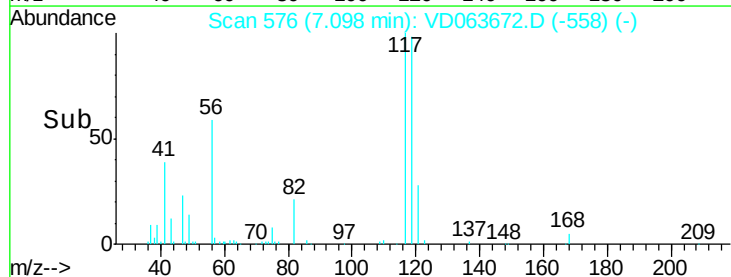
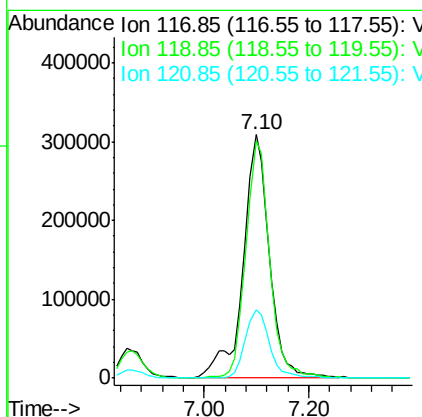
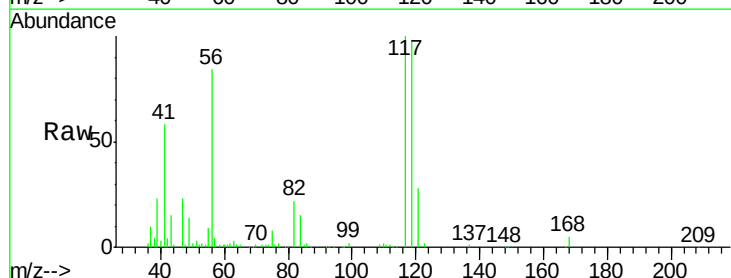
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

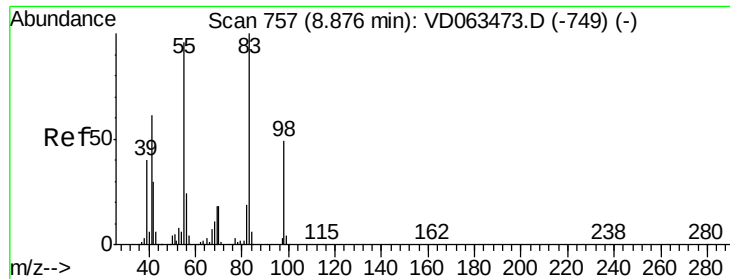
Tot Ion: 43 Resp: 263152
Ion Ratio Lower Upper
43 100
61 11.3 9.0 13.6
70 11.4 6.9 10.3#



#38
Carbon Tetrachloride
Concen: 57.346 ug/l
RT: 7.10 min Scan# 576
Delta R.T. -0.03 min
Lab File: VD063672.D
Acq: 19 Aug 2019 22:17

Tgt Ion: 117 Resp: 1041067
Ion Ratio Lower Upper
117 100
119 97.6 74.2 111.2
121 28.1 23.1 34.7

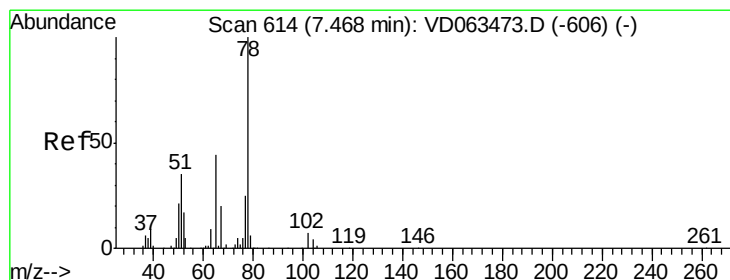
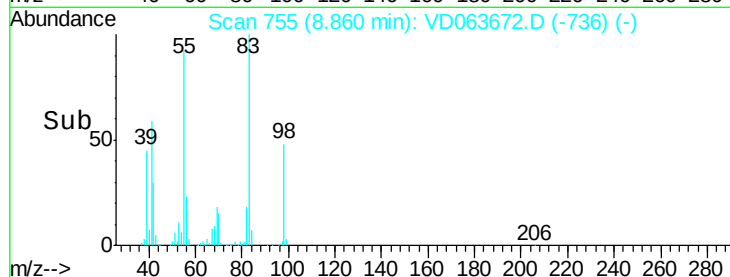
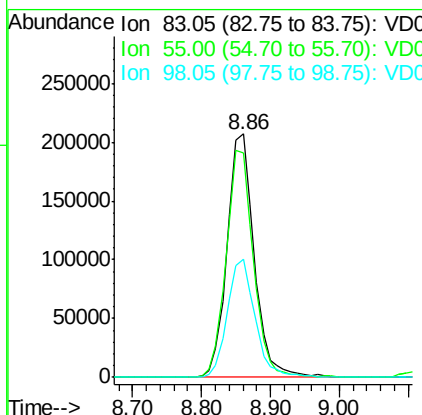
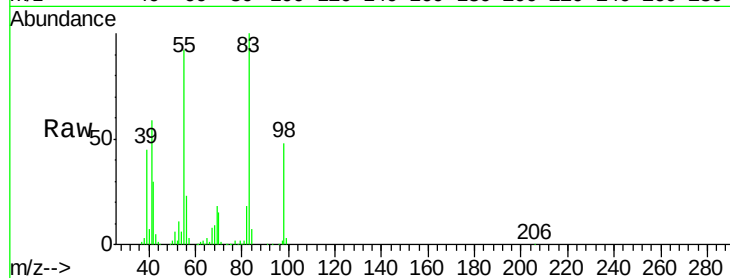




#39
Methylvlcyclohexane
Concen: 54.997 ug/l
RT: 8.86 min Scan# 755
Delta R.T. -0.02 min
Lab File: VD063672.D
Acq: 19 Aug 2019 22:17

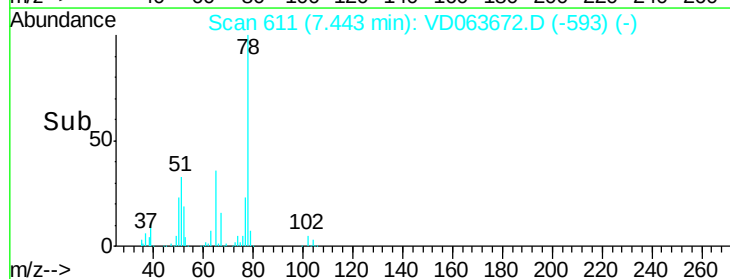
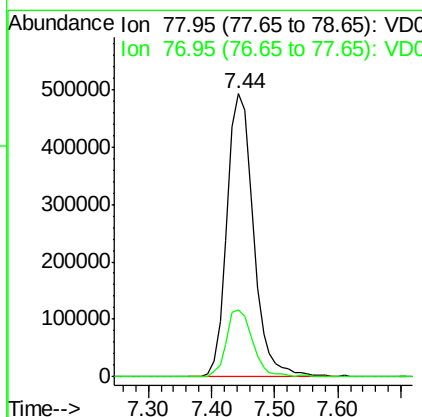
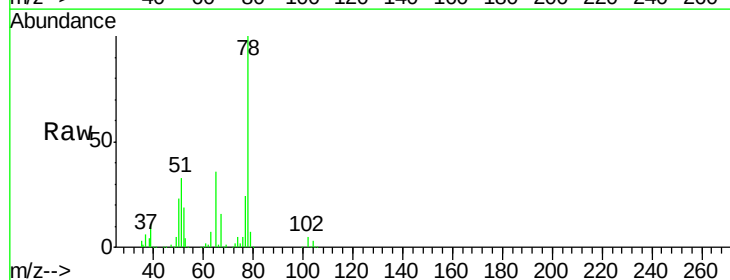
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

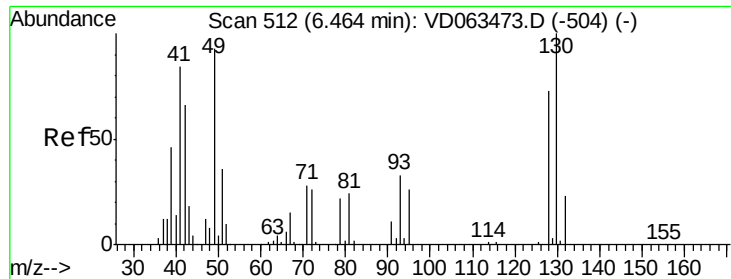
Tot Ion: 83 Resp: 563328
Ion Ratio Lower Upper
83 100
55 92.0 76.6 114.8
98 48.3 39.4 59.0



#40
Benzene
Concen: 54.031 ug/l
RT: 7.44 min Scan# 611
Delta R.T. -0.03 min
Lab File: VD063672.D
Acq: 19 Aug 2019 22:17

Tgt Ion: 78 Resp: 1432267
Ion Ratio Lower Upper
78 100
77 23.6 20.1 30.1





#41

Methacrylonitrile

Concen: 51.198 ug/l

RT: 6.44 min Scan# 509

Delta R.T. -0.03 min

Lab File: VD063672.D

Acq: 19 Aug 2019 22:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 325377

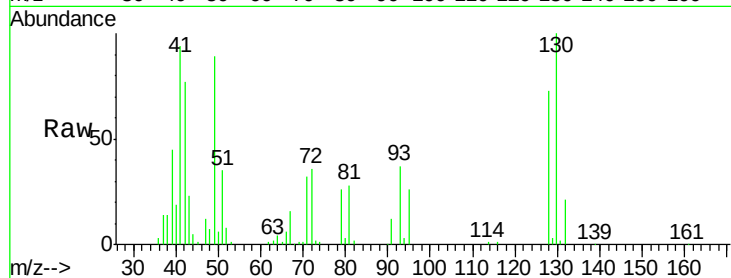
Ion Ratio Lower Upper

41 100

39 48.0 44.6 66.8

67 17.2 14.4 21.6

52 8.0 9.3 13.9#



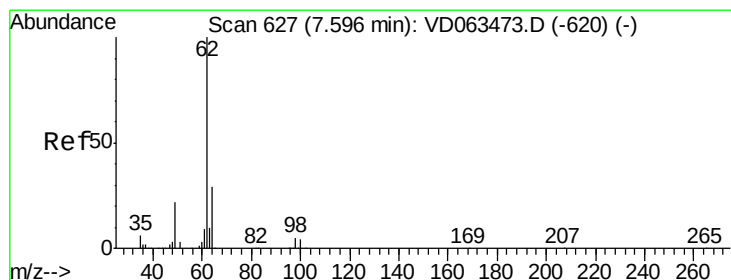
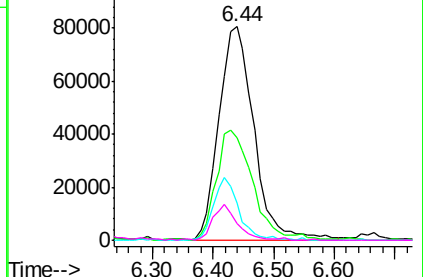
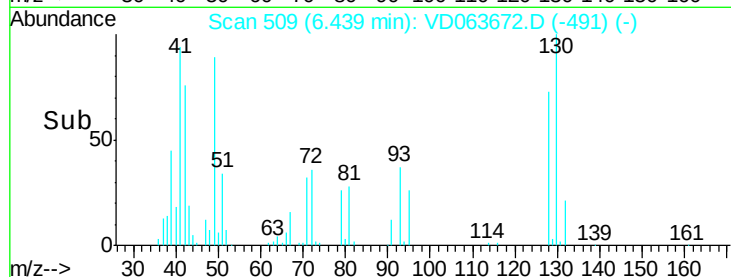
Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Time-->



#42

1,2-Dichloroethane

Concen: 53.744 ug/l

RT: 7.57 min Scan# 624

Delta R.T. -0.03 min

Lab File: VD063672.D

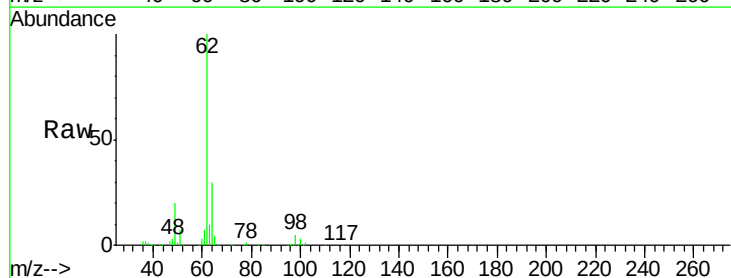
Acq: 19 Aug 2019 22:17

Tgt Ion: 62 Resp: 716355

Ion Ratio Lower Upper

62 100

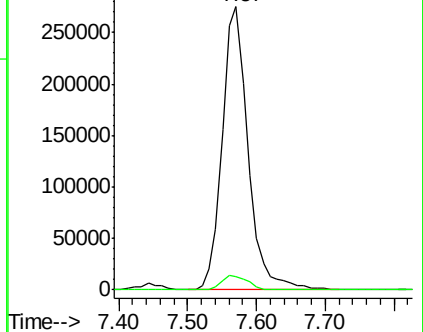
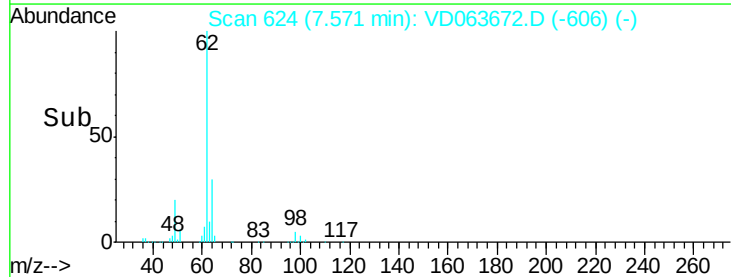
98 4.9 0.0 10.4

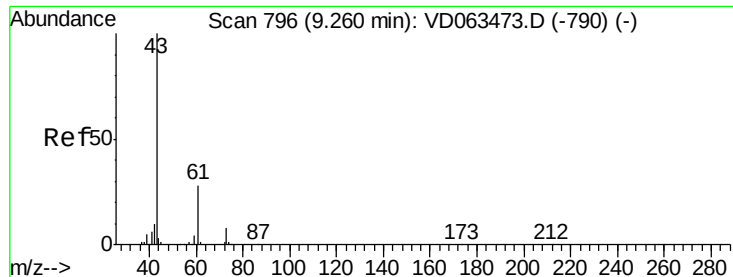


Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC

Time-->





#43

Isopropyl Acetate

Concen: 53.188 ug/l

RT: 9.23 min Scan# 793

Delta R.T. -0.03 min

Lab File: VD063672.D

Acq: 19 Aug 2019 22:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

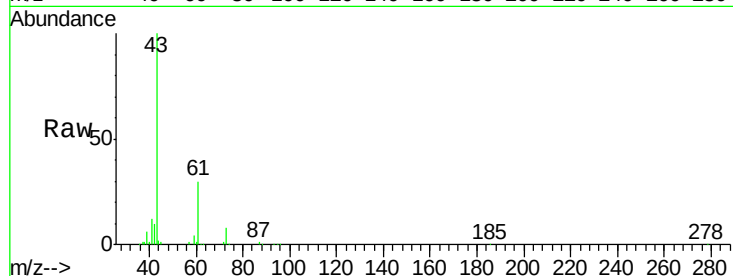
Tot Ion: 43 Resp: 359562

Ion Ratio Lower Upper

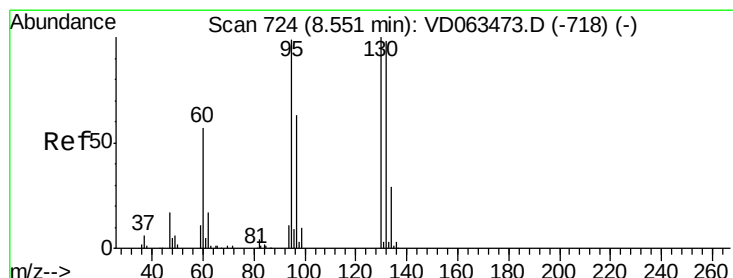
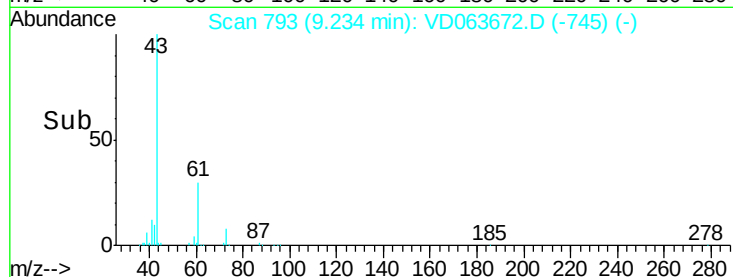
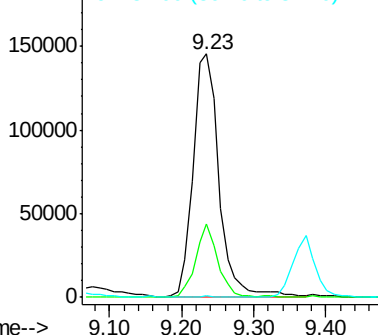
43 100

61 30.0 22.2 33.2

87 0.6 0.2 0.4#



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



#44

Trichloroethene

Concen: 53.080 ug/l

RT: 8.54 min Scan# 722

Delta R.T. -0.02 min

Lab File: VD063672.D

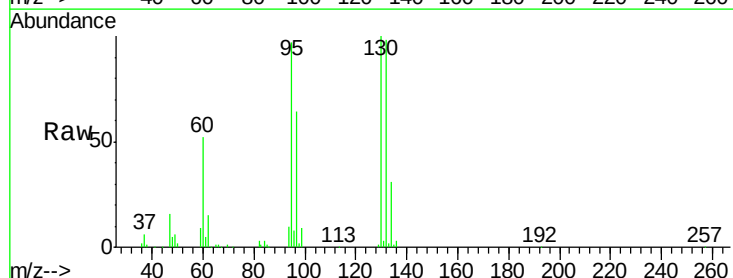
Acq: 19 Aug 2019 22:17

Tgt Ion: 130 Resp: 537801

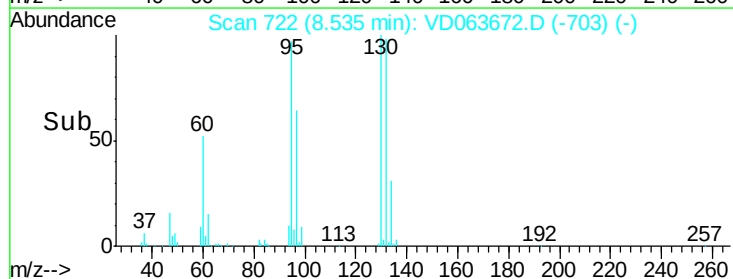
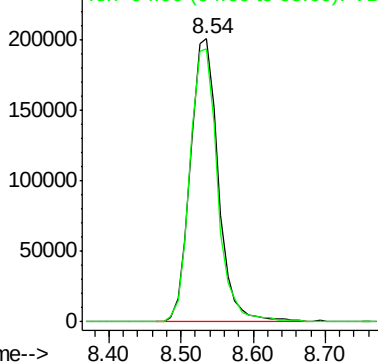
Ion Ratio Lower Upper

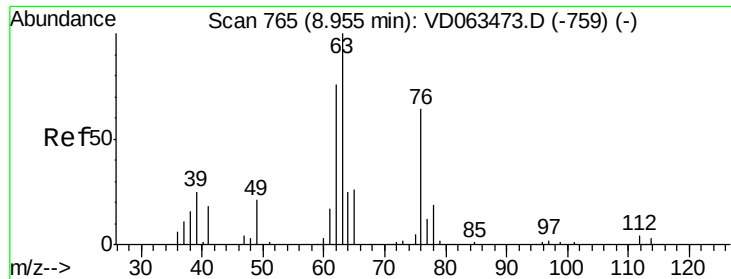
130 100

95 96.6 0.0 198.0



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

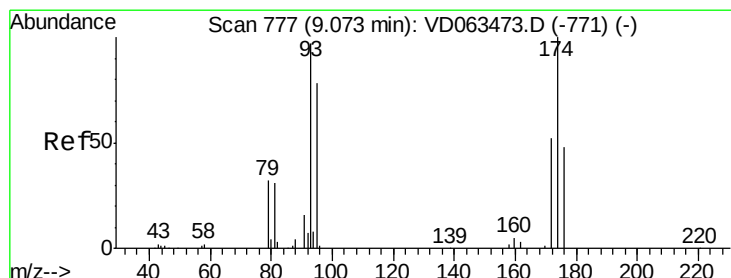
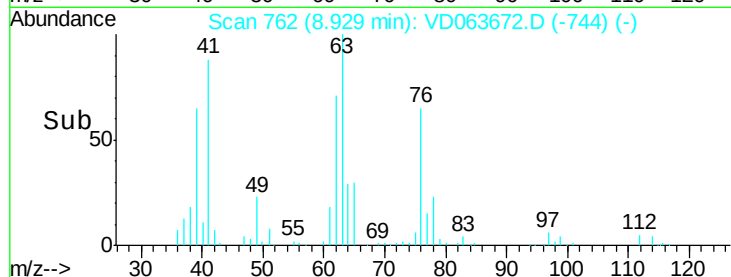
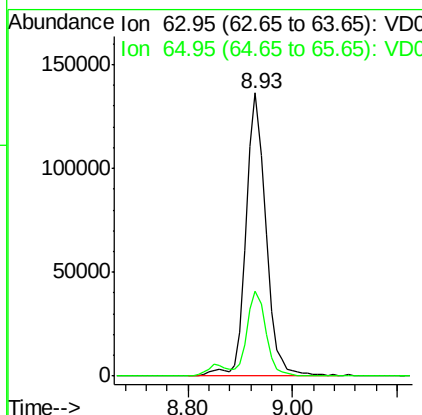
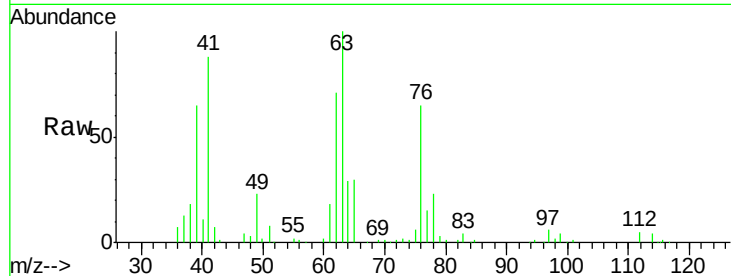




#45
 1,2-Dichloropropane
 Concen: 56.337 ug/l
 RT: 8.93 min Scan# 762
 Delta R.T. -0.03 min
 Lab File: VD063672.D
 Acq: 19 Aug 2019 22:17

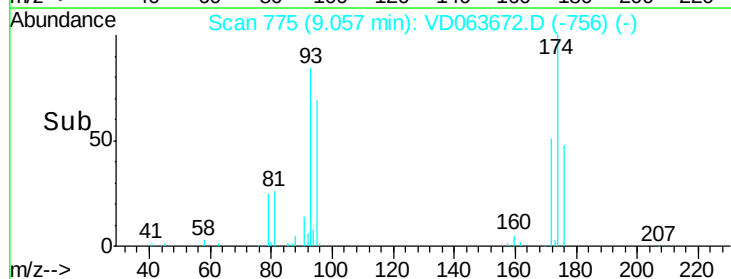
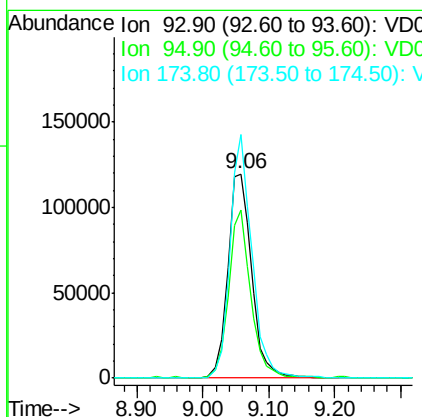
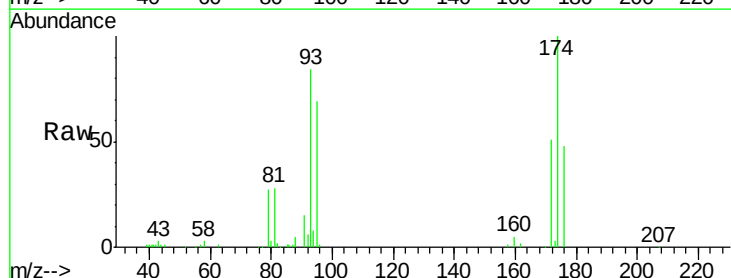
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

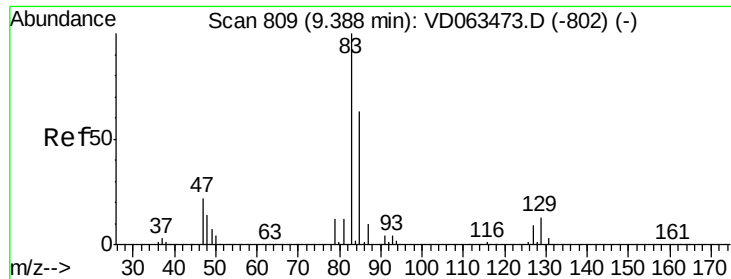
Tot Ion: 63 Resp: 347775
 Ion Ratio Lower Upper
 63 100
 65 30.0 22.5 33.7



#46
 Dibromomethane
 Concen: 57.588 ug/l
 RT: 9.06 min Scan# 775
 Delta R.T. -0.02 min
 Lab File: VD063672.D
 Acq: 19 Aug 2019 22:17

Tgt Ion: 93 Resp: 303587
 Ion Ratio Lower Upper
 93 100
 95 82.6 64.2 96.2
 174 119.2 82.1 123.1





#47

Bromodichloromethane

Concen: 57.543 ug/l

RT: 9.37 min Scan# 807

Delta R.T. -0.02 min

Lab File: VD063672.D

Acq: 19 Aug 2019 22:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

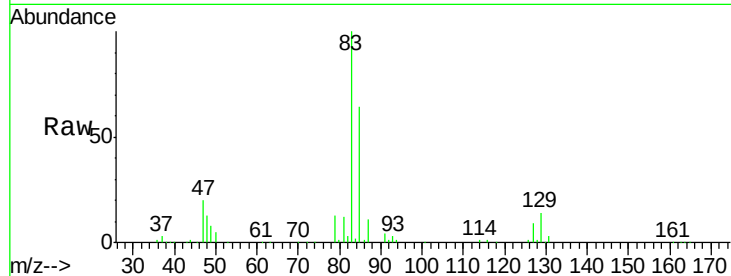
Tot Ion: 83 Resp: 778123

Ion Ratio Lower Upper

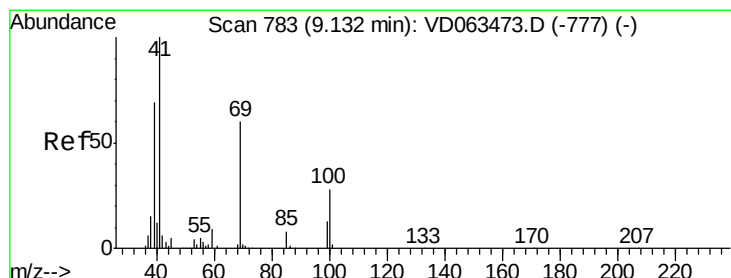
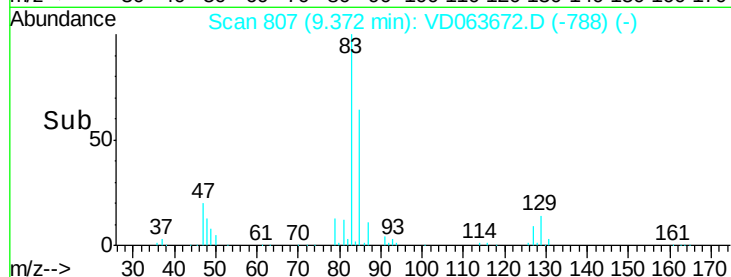
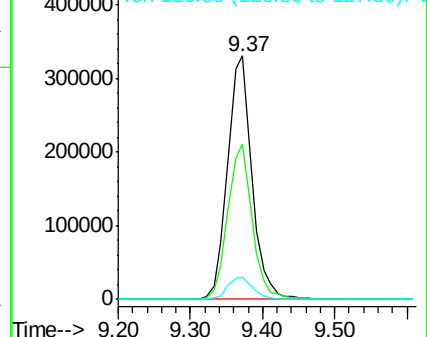
83 100

85 63.7 50.1 75.1

127 9.0 7.6 11.4



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 53.920 ug/l

RT: 9.11 min Scan# 780

Delta R.T. -0.03 min

Lab File: VD063672.D

Acq: 19 Aug 2019 22:17

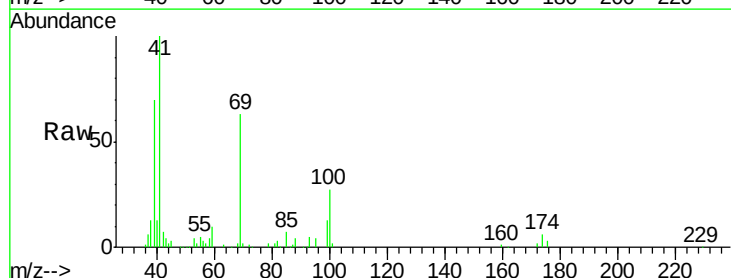
Tgt Ion: 41 Resp: 247200

Ion Ratio Lower Upper

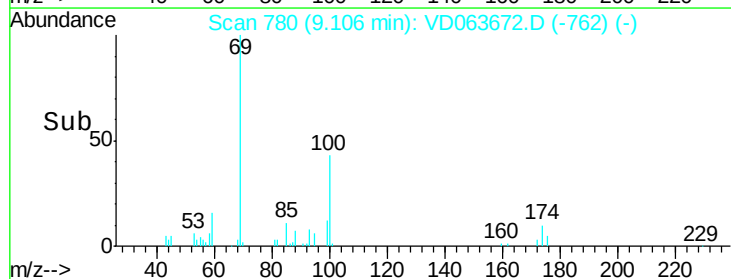
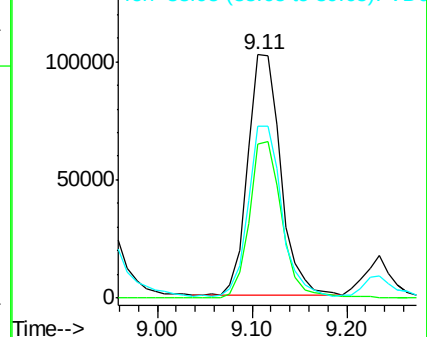
41 100

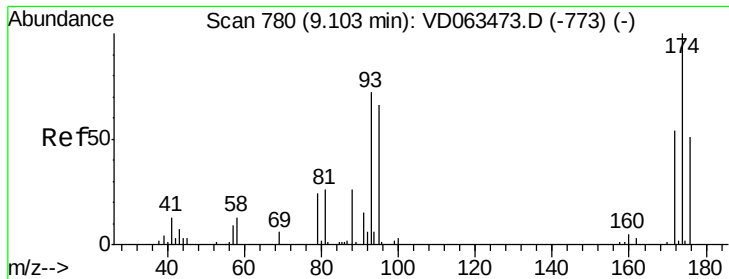
69 63.0 47.6 71.4

39 70.5 55.7 83.5



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC

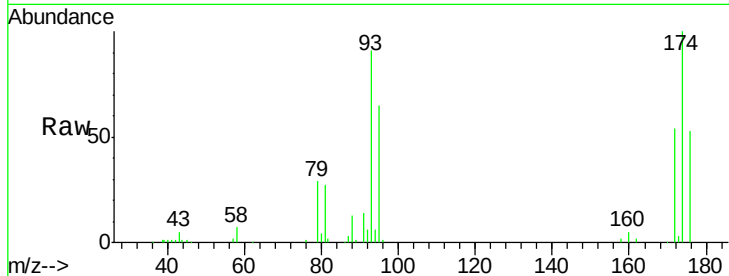




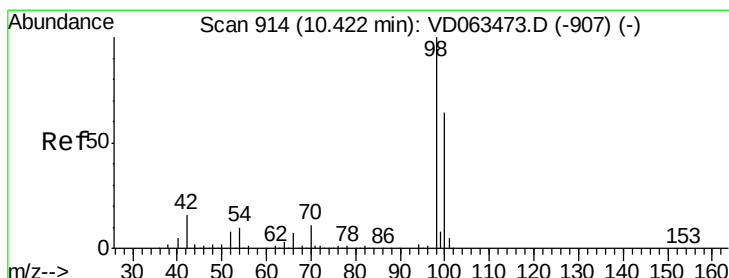
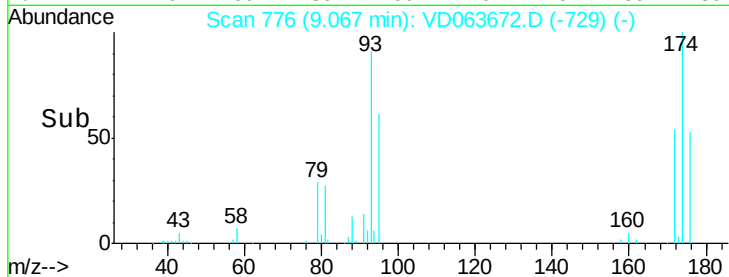
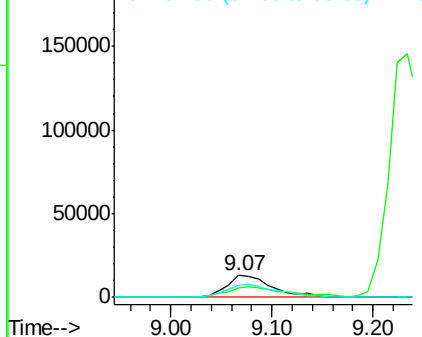
#49
1,4-Dioxane
Concen: 1000.646 ug/l
RT: 9.07 min Scan# 776
Delta R.T. -0.04 min
Lab File: VD063672.D
Acq: 19 Aug 2019 22:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 88 Resp: 40967
Ion Ratio Lower Upper
88 100
43 41.0 22.9 34.3#
58 55.6 40.1 60.1

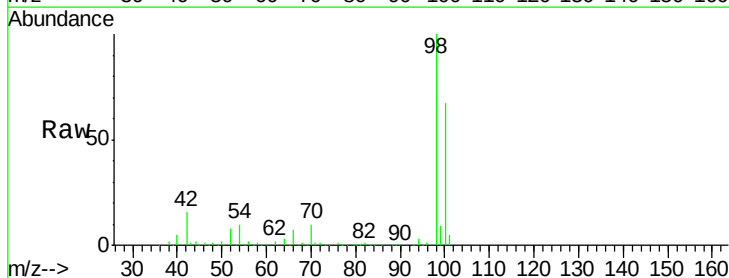


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

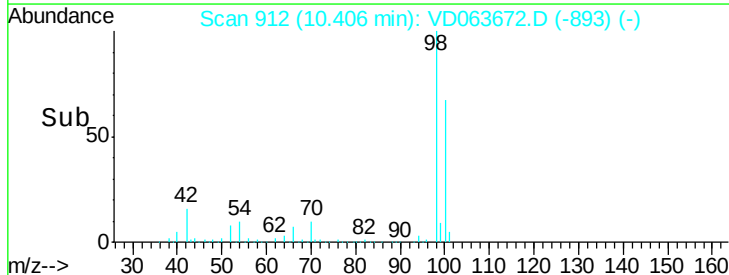
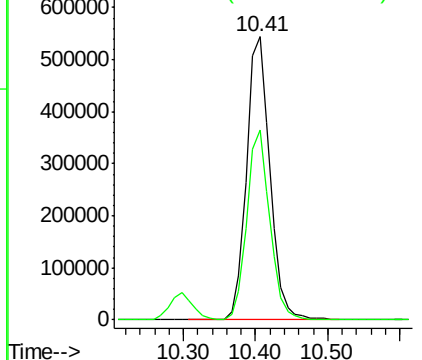


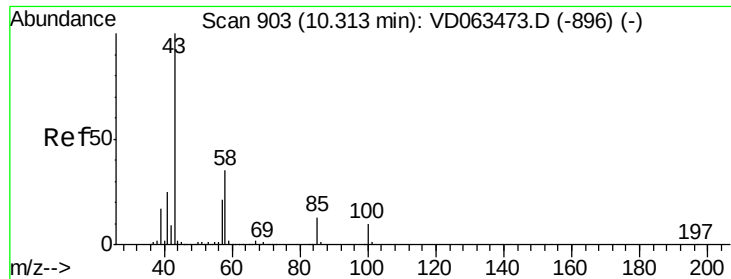
#50
Toluene-d8
Concen: 48.985 ug/l
RT: 10.41 min Scan# 912
Delta R.T. -0.02 min
Lab File: VD063672.D
Acq: 19 Aug 2019 22:17

Tgt Ion: 98 Resp: 1235901
Ion Ratio Lower Upper
98 100
100 67.2 51.7 77.5



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





#51

4-Methyl-2-Pentanone

Concen: 257.769 ug/l

RT: 10.30 min Scan# 901

Delta R.T. -0.02 min

Lab File: VD063672.D

Acq: 19 Aug 2019 22:17

Instrument :

MSVOA_D

ClientSampleId :

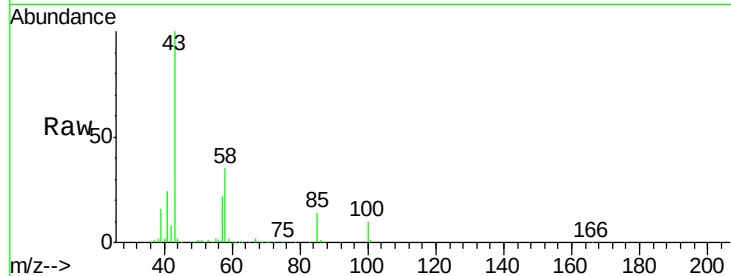
VSTDCCC050EC

Tot Ion: 43 Resp: 1192391

Ion Ratio Lower Upper

43 100

58 35.1 28.0 42.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.30

500000

400000

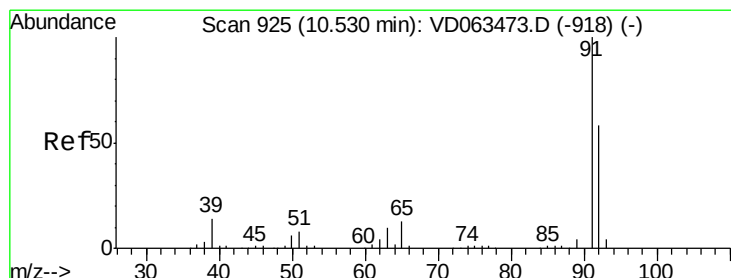
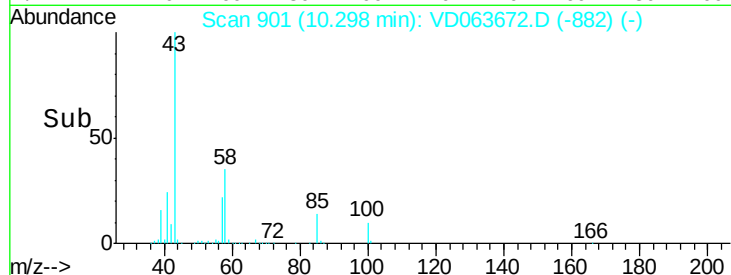
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 53.079 ug/l

RT: 10.50 min Scan# 922

Delta R.T. -0.03 min

Lab File: VD063672.D

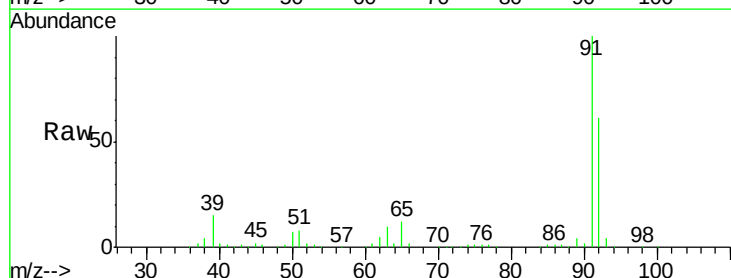
Acq: 19 Aug 2019 22:17

Tgt Ion: 92 Resp: 906265

Ion Ratio Lower Upper

92 100

91 164.6 137.9 206.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.50

800000

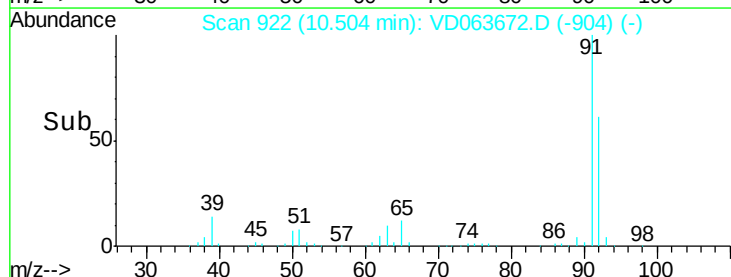
600000

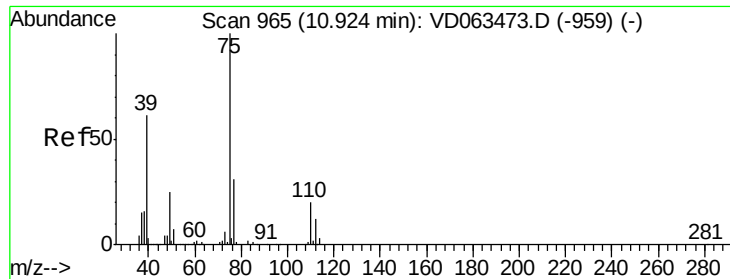
400000

200000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 57.963 ug/l

RT: 10.91 min Scan# 963

Delta R.T. -0.02 min

Lab File: VD063672.D

Acq: 19 Aug 2019 22:17

Instrument :

MSVOA_D

ClientSampleId :

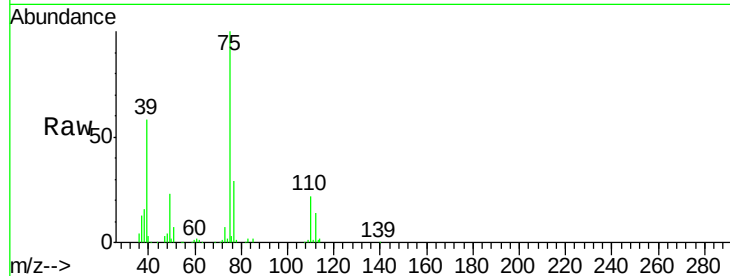
VSTDCCC050EC

Tot Ion: 75 Resp: 639663

Ion Ratio Lower Upper

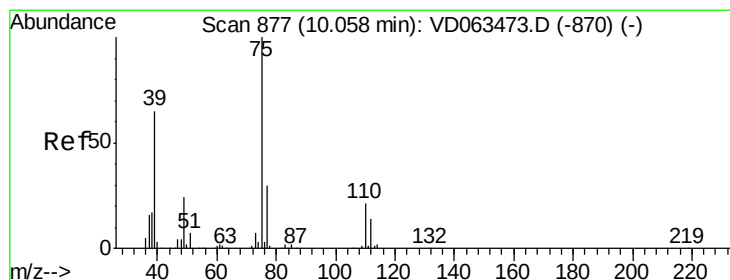
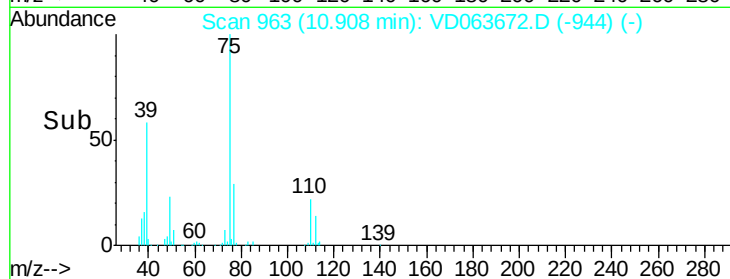
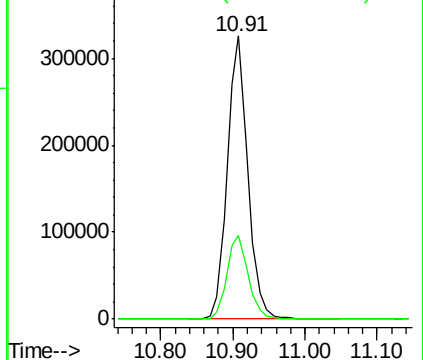
75 100

77 29.5 24.5 36.7



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 53.368 ug/l

RT: 10.03 min Scan# 874

Delta R.T. -0.03 min

Lab File: VD063672.D

Acq: 19 Aug 2019 22:17

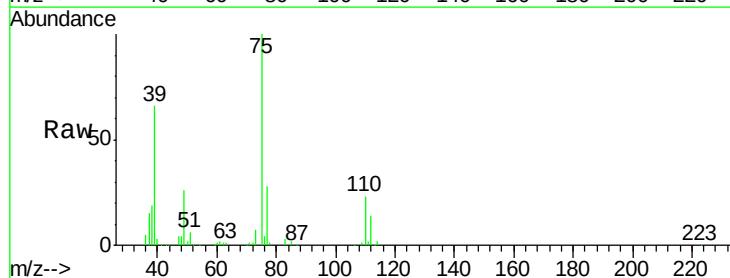
Tgt Ion: 75 Resp: 664094

Ion Ratio Lower Upper

75 100

77 28.3 23.7 35.5

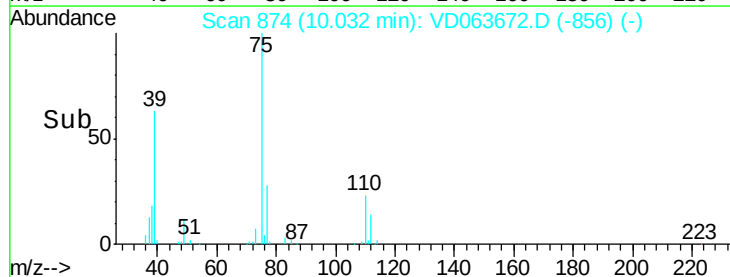
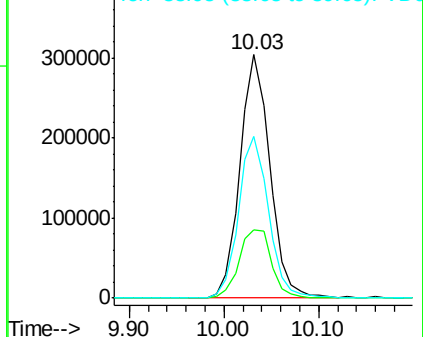
39 66.5 52.2 78.4

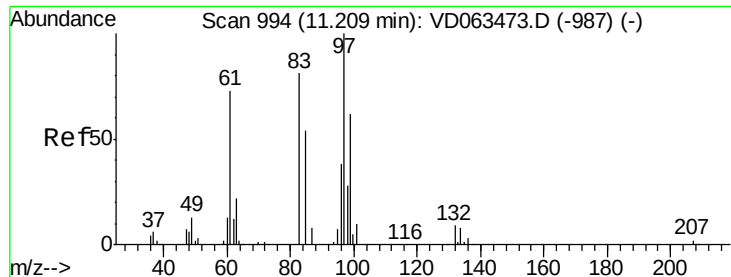


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

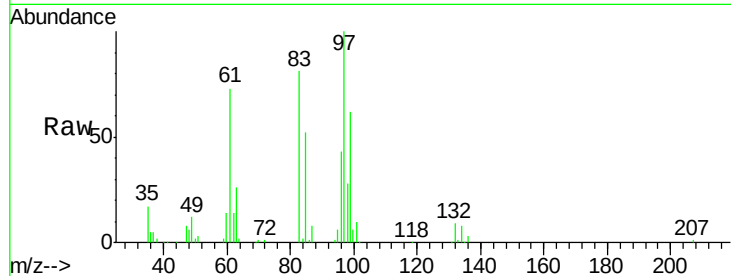




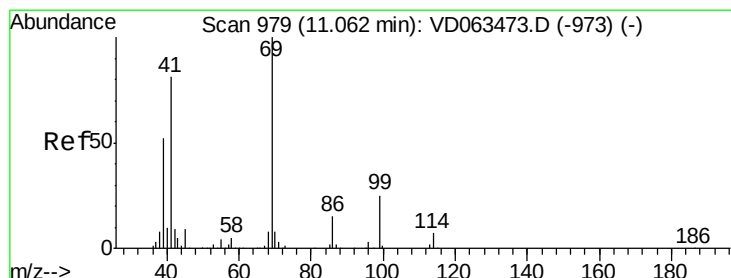
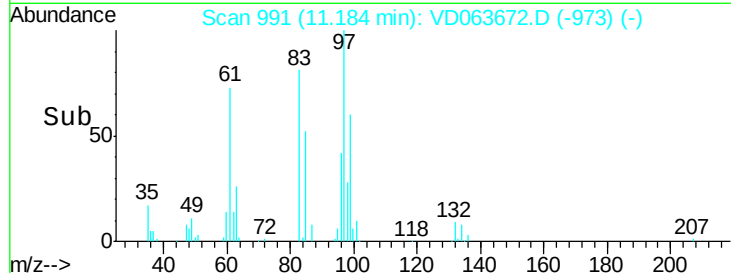
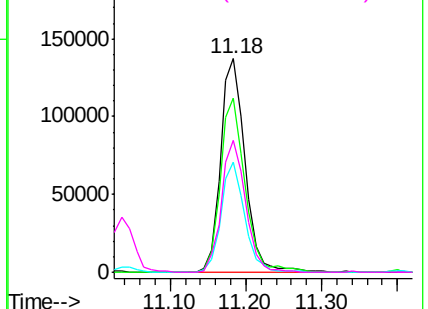
#55
 1,1,2-Trichloroethane
 Concen: 53.189 ug/l
 RT: 11.18 min Scan# 991
 Delta R.T. -0.03 min
 Lab File: VD063672.D
 Acq: 19 Aug 2019 22:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	306766
Ion	Ratio	Lower	Upper
97	100		
83	81.4	64.7	97.1
85	51.5	42.9	64.3
99	61.8	49.7	74.5

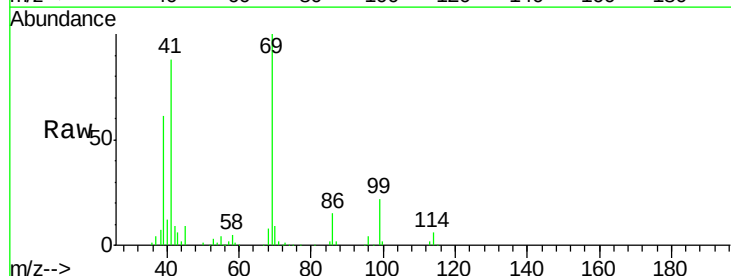


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

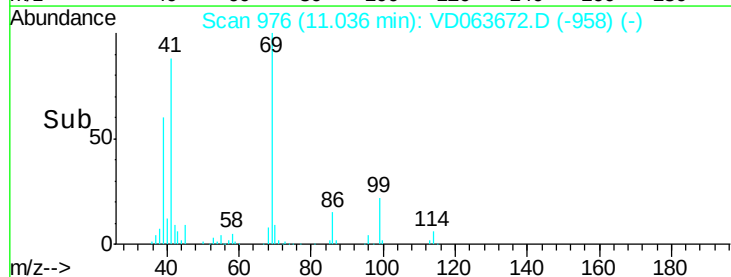
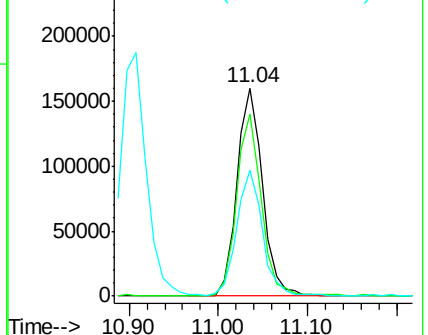


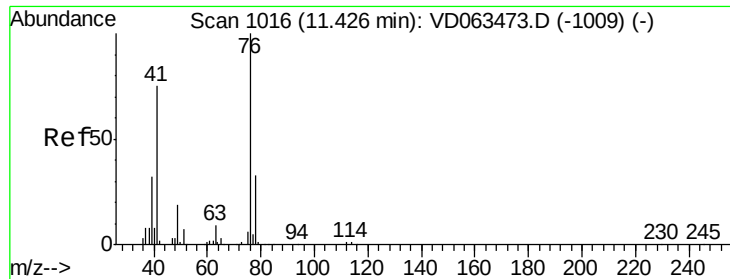
#56
 Ethyl methacrylate
 Concen: 51.069 ug/l
 RT: 11.04 min Scan# 976
 Delta R.T. -0.03 min
 Lab File: VD063672.D
 Acq: 19 Aug 2019 22:17

Tgt Ion:	69	Resp:	319687
Ion	Ratio	Lower	Upper
69	100		
41	87.5	64.8	97.2
39	60.6	42.4	63.6



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





#57

1,3-Dichloropropane

Concen: 53.838 ug/l

RT: 11.40 min Scan# 1013

Delta R.T. -0.03 min

Lab File: VD063672.D

Acq: 19 Aug 2019 22:17

Instrument :

MSVOA_D

ClientSampleId :

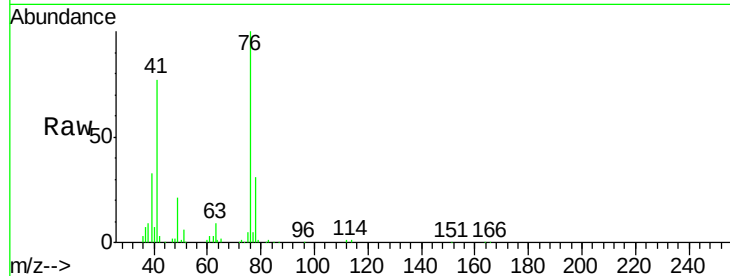
VSTDCCC050EC

Tot Ion: 76 Resp: 469353

Ion Ratio Lower Upper

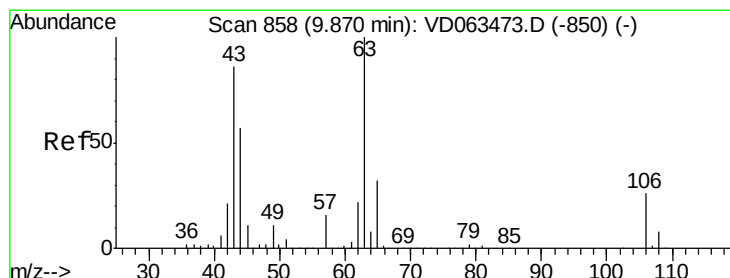
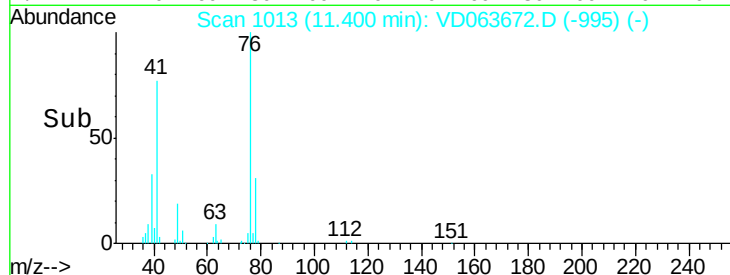
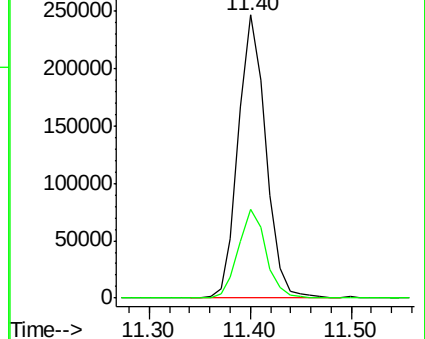
76 100

78 31.5 26.3 39.5



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: 272.874 ug/l

RT: 9.85 min Scan# 856

Delta R.T. -0.02 min

Lab File: VD063672.D

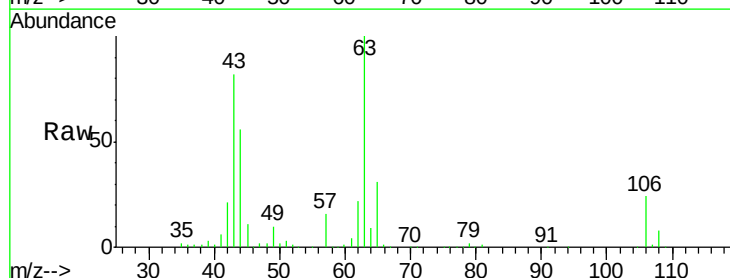
Acq: 19 Aug 2019 22:17

Tgt Ion: 63 Resp: 901803

Ion Ratio Lower Upper

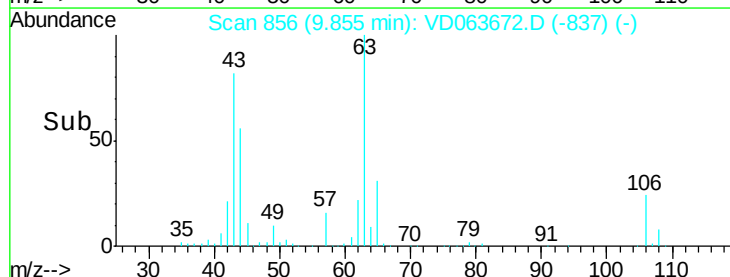
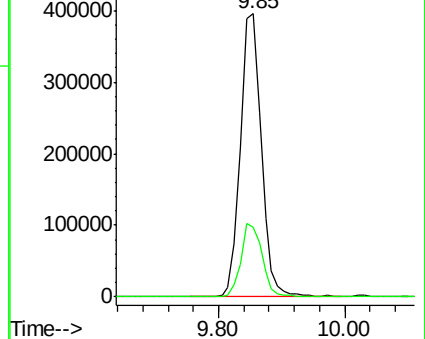
63 100

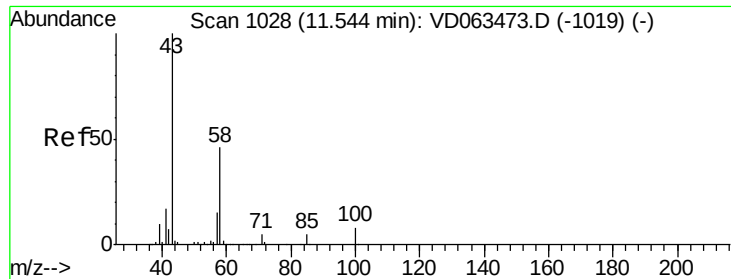
106 24.5 20.8 31.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

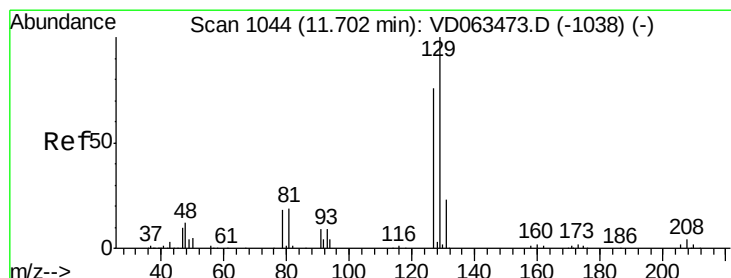
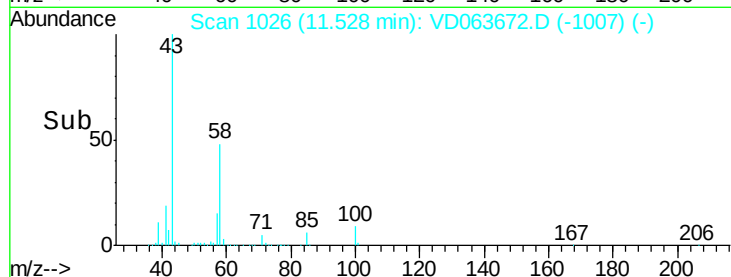
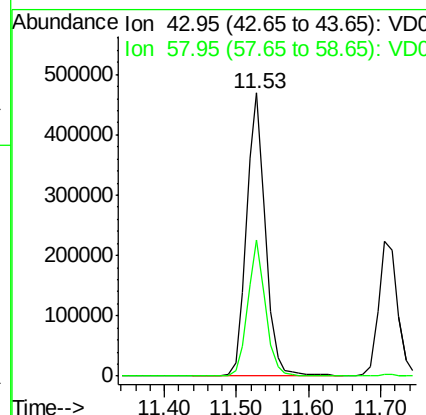
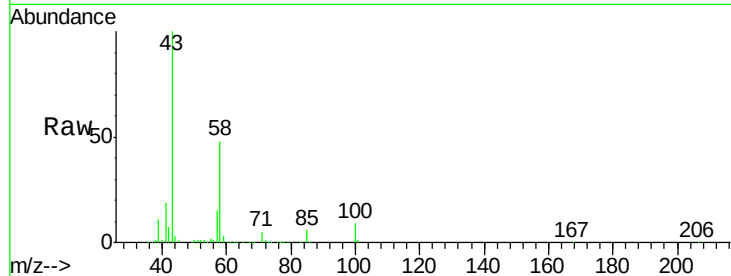




#59
2-Hexanone
Concen: 253.500 ug/l
RT: 11.53 min Scan# 1026
Delta R.T. -0.02 min
Lab File: VD063672.D
Acq: 19 Aug 2019 22:17

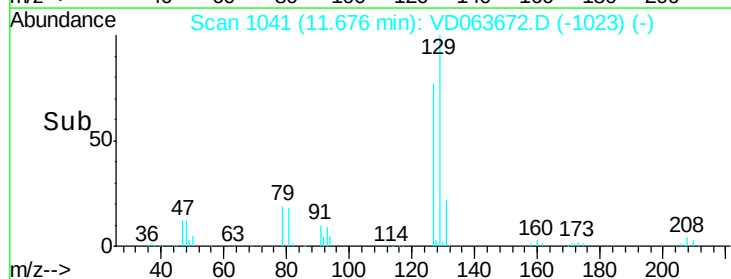
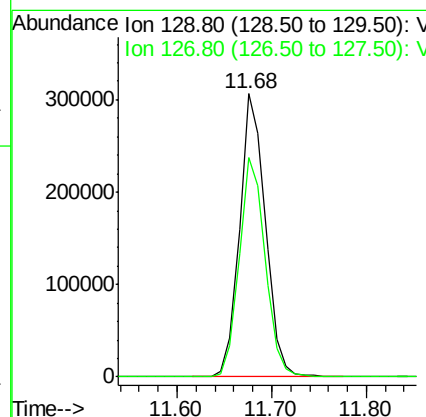
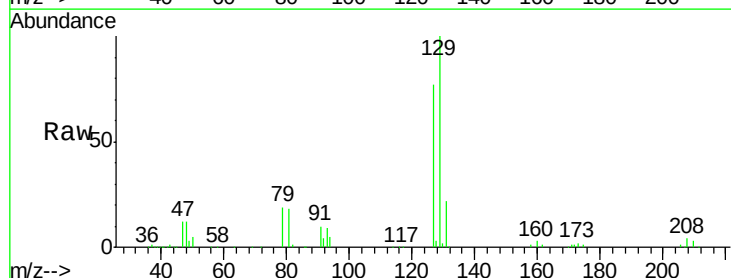
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

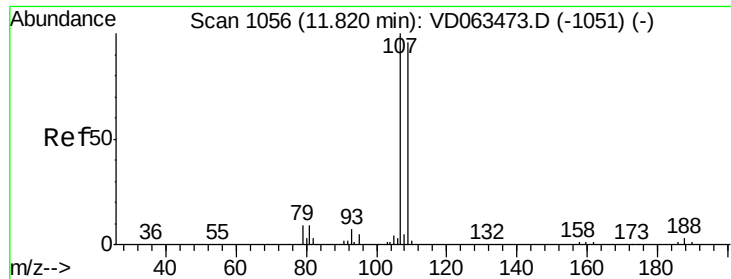
Tot Ion: 43 Resp: 853248
Ion Ratio Lower Upper
43 100
58 47.9 23.1 69.2



#60
Dibromochloromethane
Concen: 55.137 ug/l
RT: 11.68 min Scan# 1041
Delta R.T. -0.03 min
Lab File: VD063672.D
Acq: 19 Aug 2019 22:17

Tgt Ion: 129 Resp: 578645
Ion Ratio Lower Upper
129 100
127 77.5 37.8 113.4

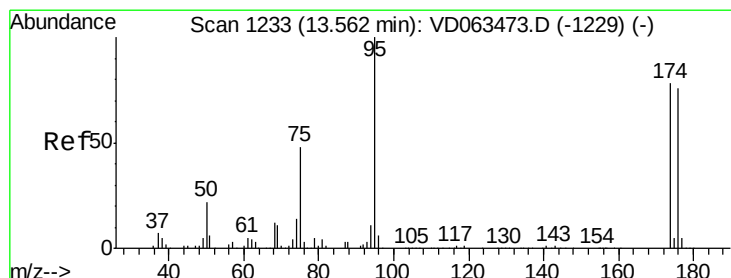
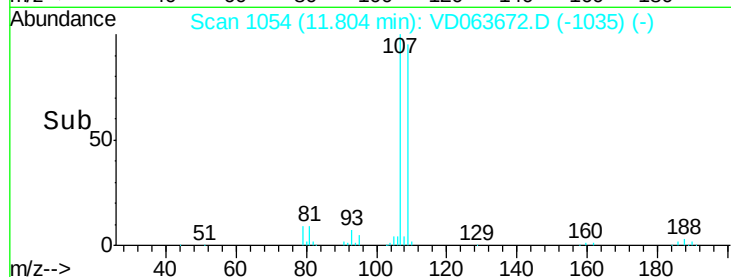
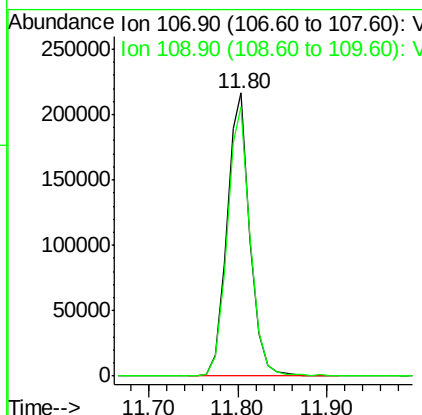
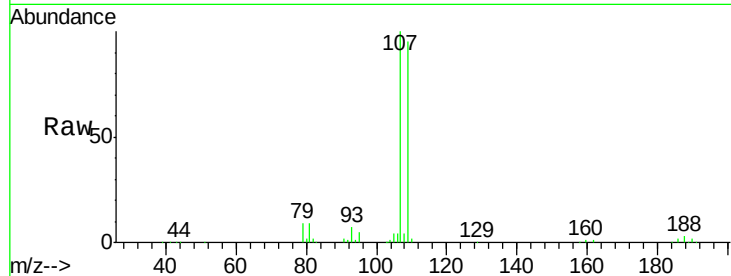




#61
 1,2-Dibromoethane
 Concen: 56.090 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. -0.02 min
 Lab File: VD063672.D
 Acq: 19 Aug 2019 22:17

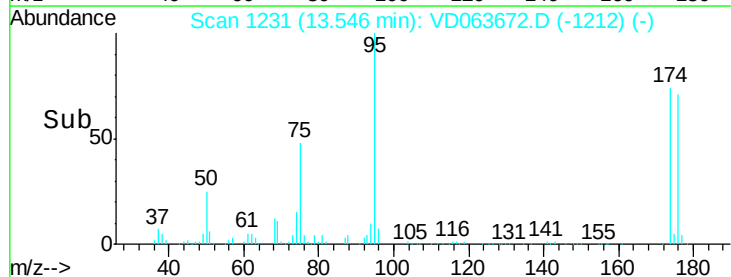
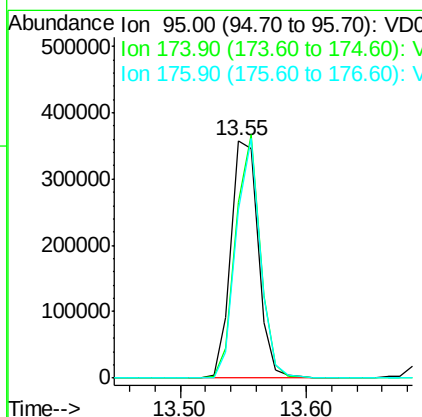
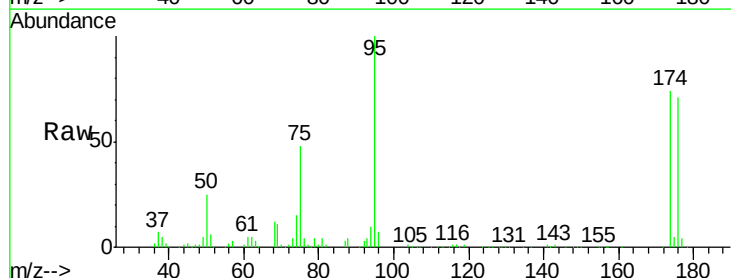
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

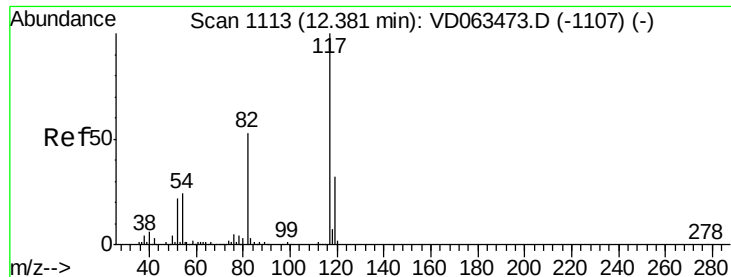
Tot Ion:107 Resp: 391619
 Ion Ratio Lower Upper
 107 100
 109 95.2 76.8 115.2



#62
 4-Bromofluorobenzene
 Concen: 46.610 ug/l
 RT: 13.55 min Scan# 1231
 Delta R.T. -0.02 min
 Lab File: VD063672.D
 Acq: 19 Aug 2019 22:17

Tgt Ion: 95 Resp: 532999
 Ion Ratio Lower Upper
 95 100
 174 74.3 0.0 155.4
 176 70.6 0.0 152.4

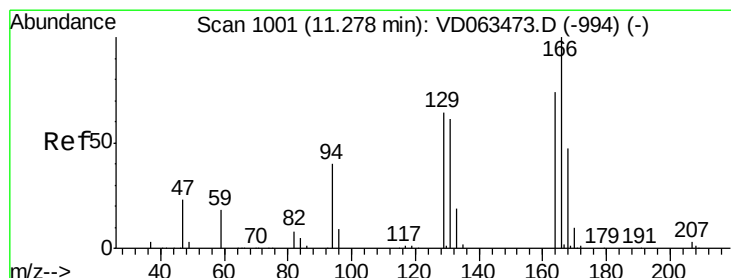
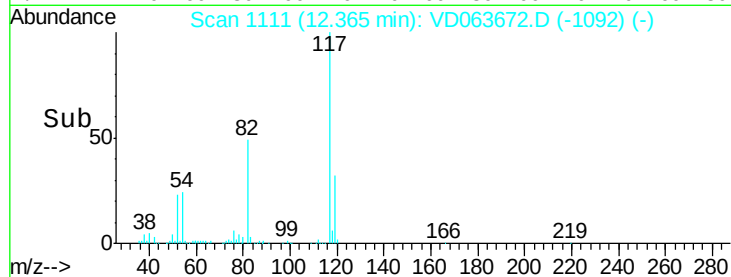
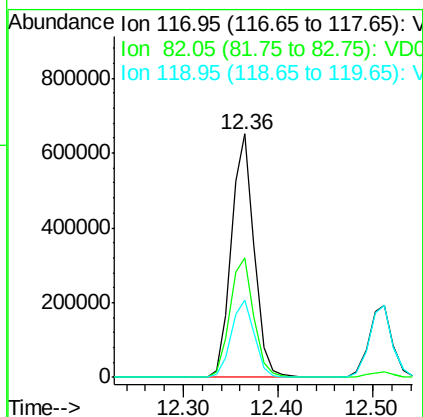
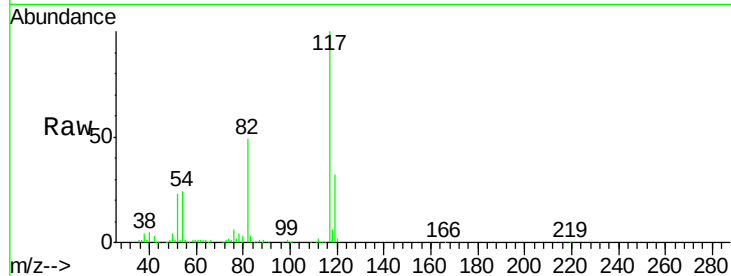




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.02 min
Lab File: VD063672.D
Acq: 19 Aug 2019 22:17

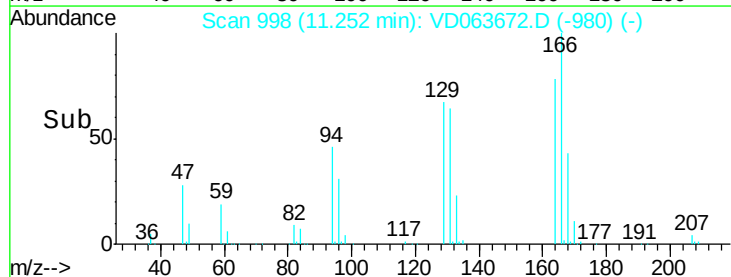
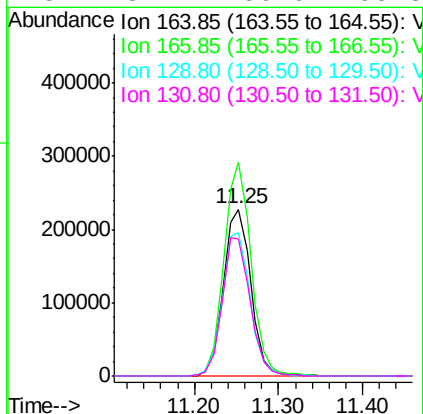
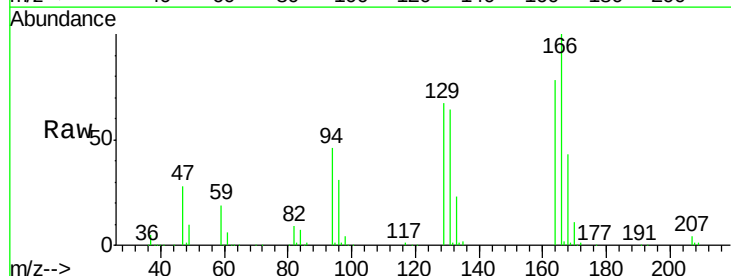
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

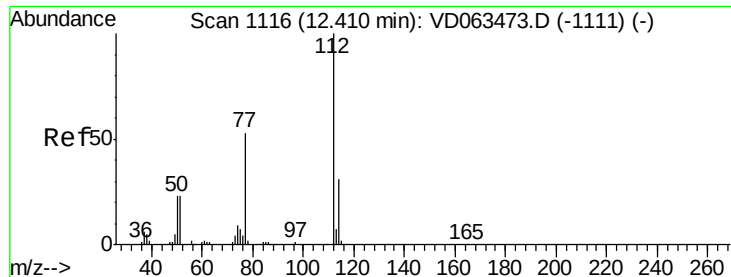
Tot Ion:117 Resp: 1083745
Ion Ratio Lower Upper
117 100
82 49.3 42.0 63.0
119 31.9 25.4 38.0



#64
Tetrachloroethene
Concen: 61.321 ug/l
RT: 11.25 min Scan# 998
Delta R.T. -0.03 min
Lab File: VD063672.D
Acq: 19 Aug 2019 22:17

Tgt Ion:164 Resp: 513026
Ion Ratio Lower Upper
164 100
166 128.0 108.6 163.0
129 85.9 69.0 103.6
131 82.4 66.6 99.8





#65

Chlorobenzene

Concen: 58.657 ug/l

RT: 12.39 min Scan# 1114

Delta R.T. -0.02 min

Lab File: VD063672.D

Acq: 19 Aug 2019 22:17

Instrument :

MSVOA_D

ClientSampleId :

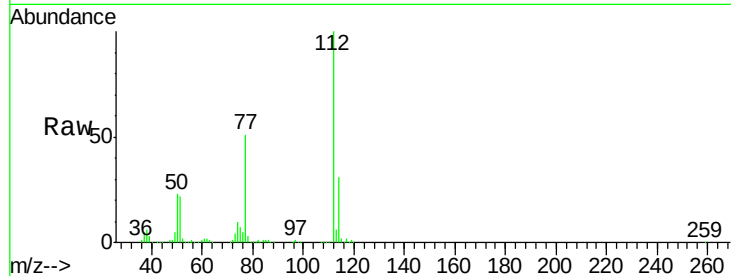
VSTDCCC050EC

Tot Ion:112 Resp: 1191432

Ion Ratio Lower Upper

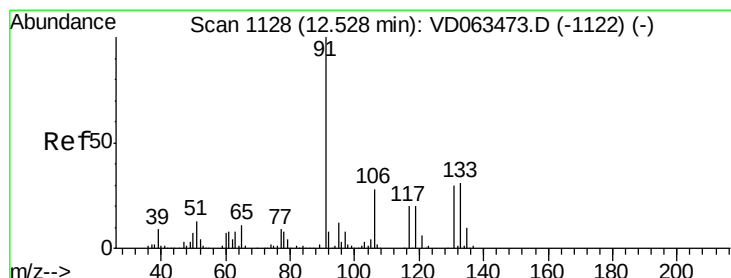
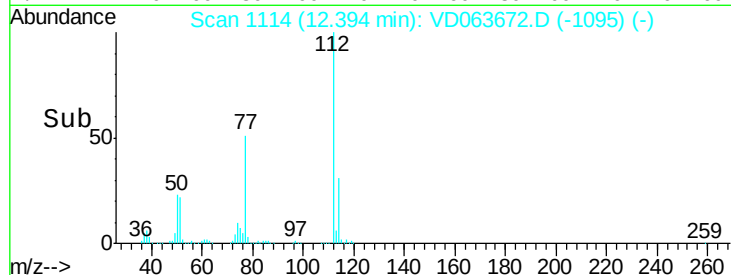
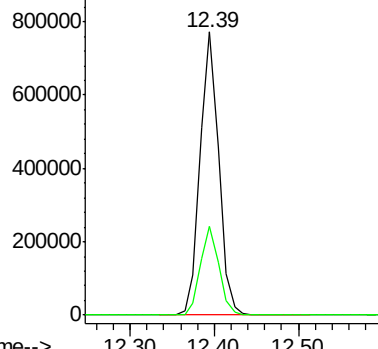
112 100

114 31.2 25.1 37.7



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 58.302 ug/l

RT: 12.51 min Scan# 1126

Delta R.T. -0.02 min

Lab File: VD063672.D

Acq: 19 Aug 2019 22:17

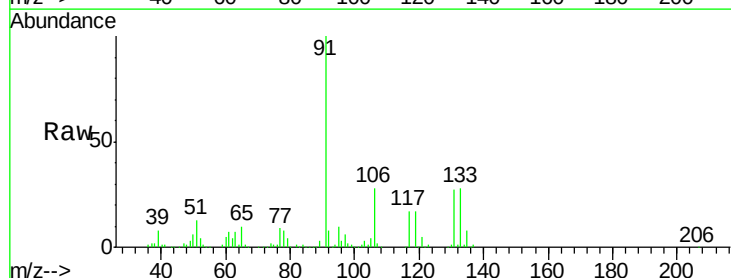
Tgt Ion:131 Resp: 521170

Ion Ratio Lower Upper

131 100

133 101.9 51.1 153.3

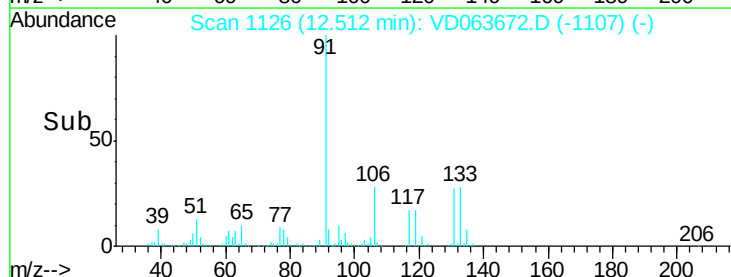
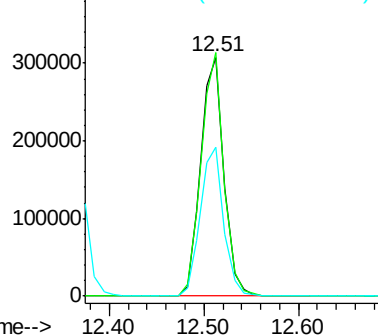
119 62.6 33.1 99.3

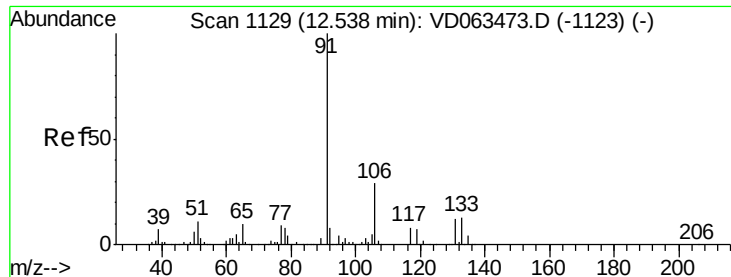


Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

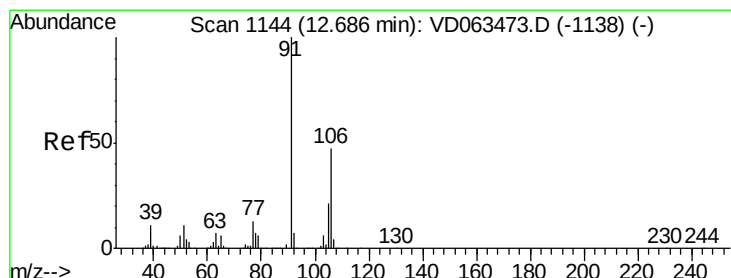
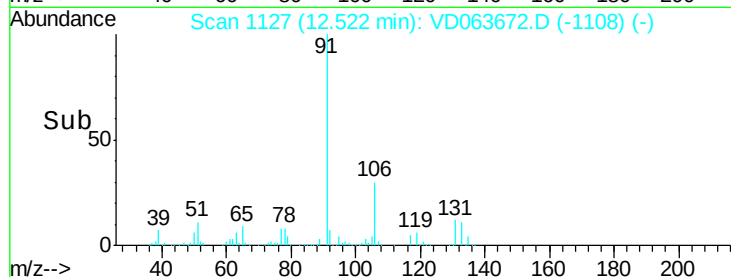
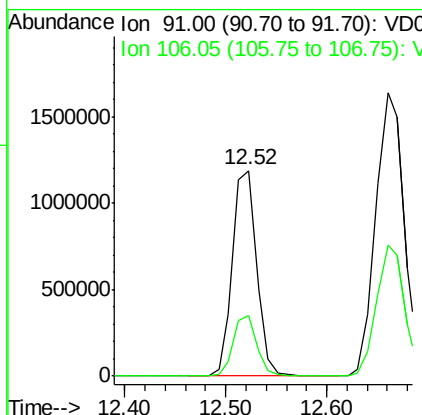
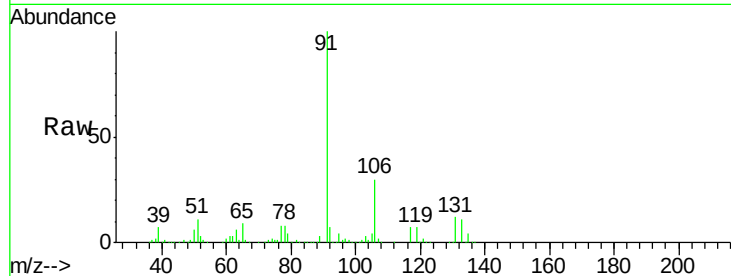




#67
Ethyl Benzene
Concen: 56.439 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.02 min
Lab File: VD063672.D
Acq: 19 Aug 2019 22:17

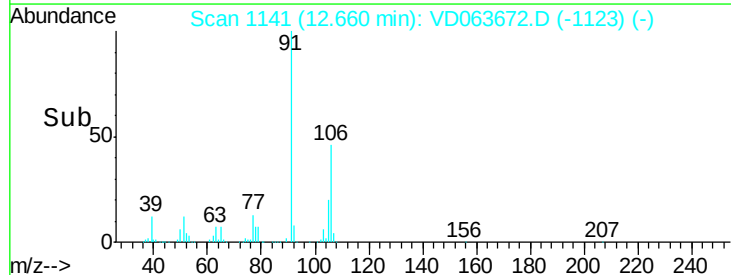
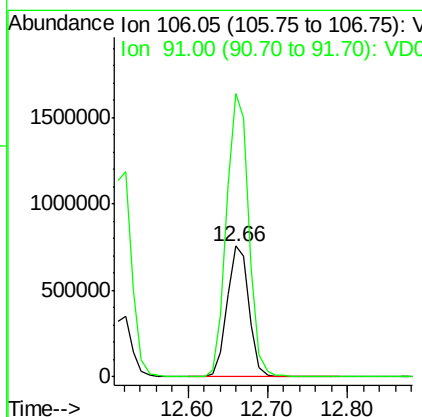
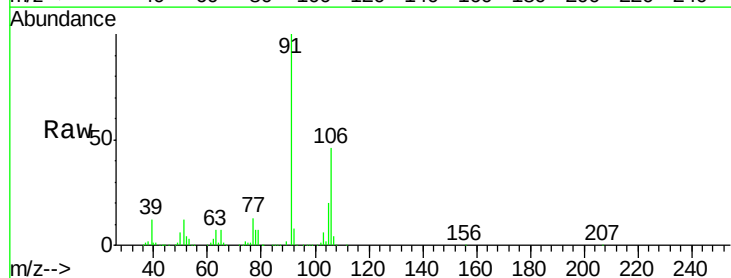
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

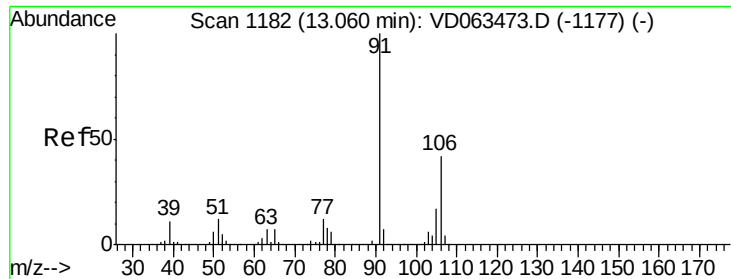
Tot Ion: 91 Resp: 1993306
Ion Ratio Lower Upper
91 100
106 29.6 23.1 34.7



#68
m/p-Xylenes
Concen: 117.474 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. -0.03 min
Lab File: VD063672.D
Acq: 19 Aug 2019 22:17

Tgt Ion: 106 Resp: 1457638
Ion Ratio Lower Upper
106 100
91 216.7 171.8 257.8

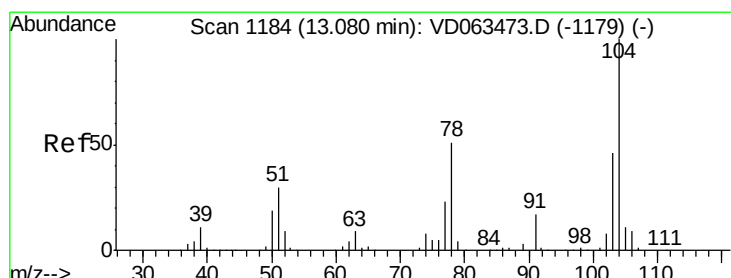
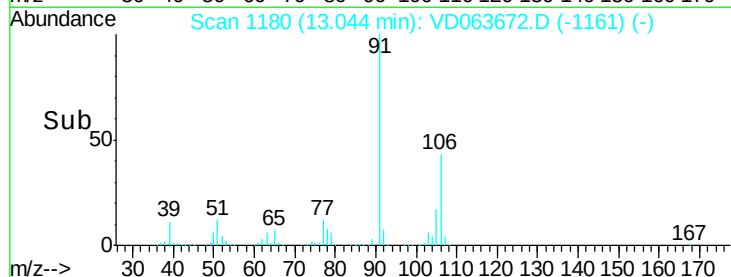
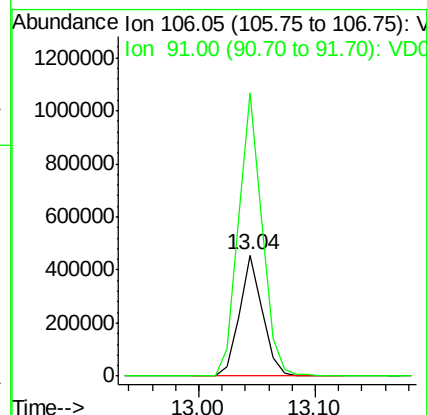
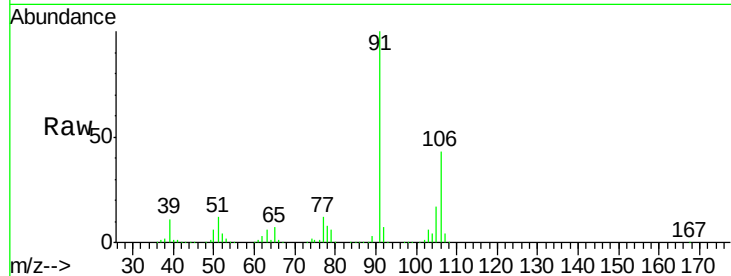




#69
o-Xylene
Concen: 52.651 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.02 min
Lab File: VD063672.D
Acq: 19 Aug 2019 22:17

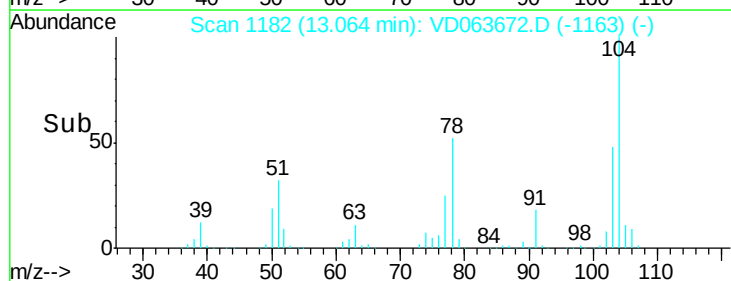
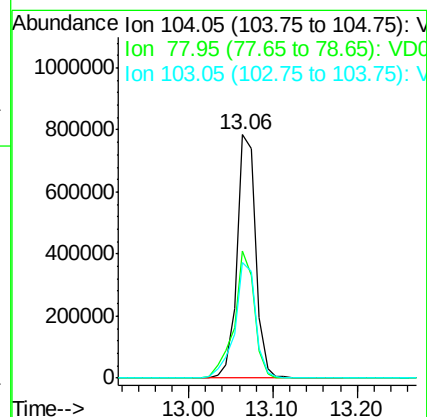
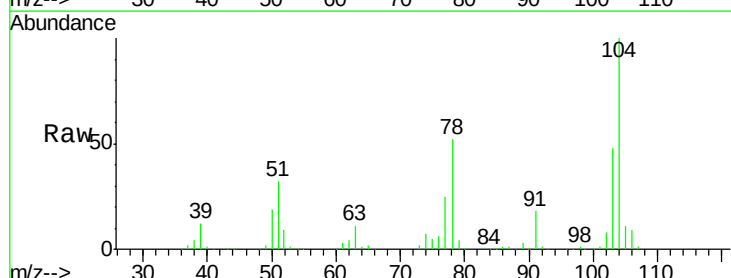
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

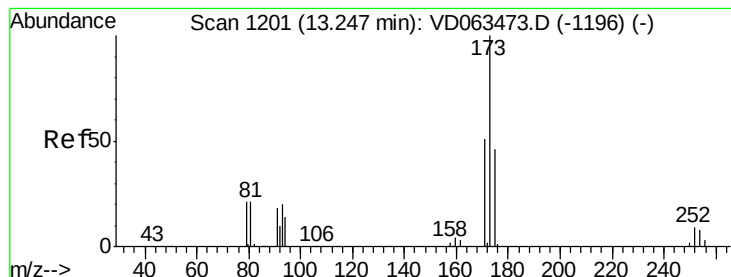
Tot Ion:106 Resp: 628779
Ion Ratio Lower Upper
106 100
91 233.7 118.1 354.2



#70
Styrene
Concen: 56.890 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. -0.02 min
Lab File: VD063672.D
Acq: 19 Aug 2019 22:17

Tgt Ion:104 Resp: 1208513
Ion Ratio Lower Upper
104 100
78 52.2 40.8 61.2
103 47.6 36.4 54.6





#71

Bromoform

Concen: 60.038 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. -0.02 min

Lab File: VD063672.D

Acq: 19 Aug 2019 22:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

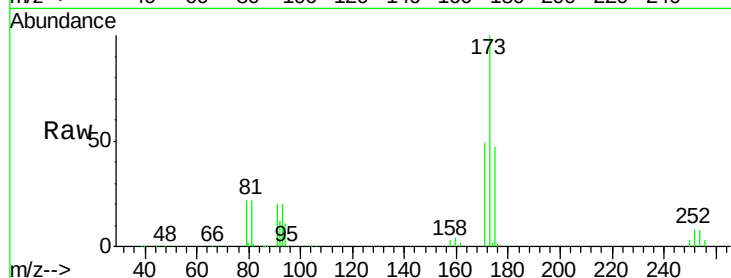
Tot Ion:173 Resp: 368005

Ion Ratio Lower Upper

173 100

175 46.7 22.8 68.3

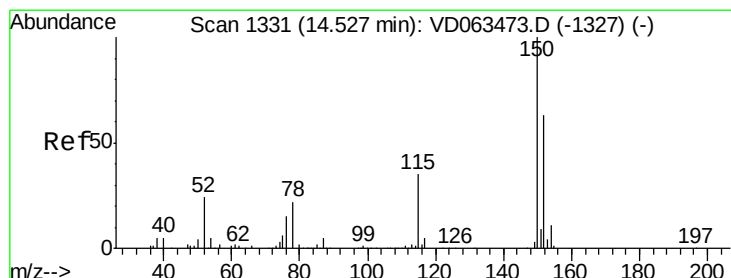
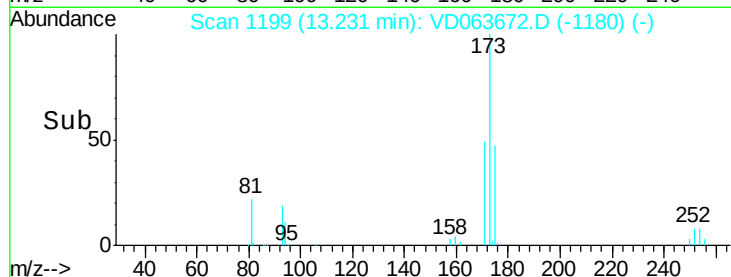
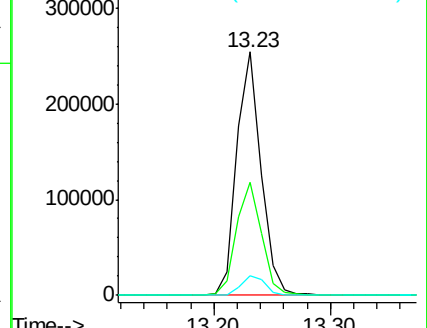
254 8.1 6.6 9.8



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.51 min Scan# 1329

Delta R.T. -0.02 min

Lab File: VD063672.D

Acq: 19 Aug 2019 22:17

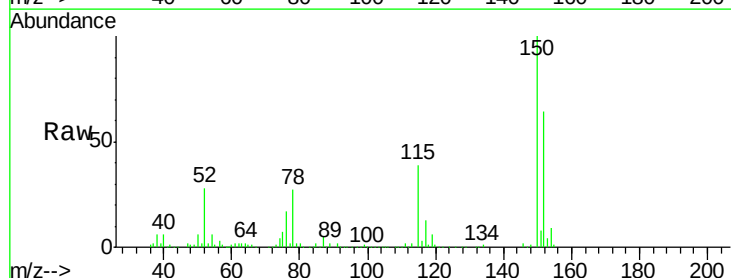
Tgt Ion:152 Resp: 587048

Ion Ratio Lower Upper

152 100

115 61.0 30.9 92.7

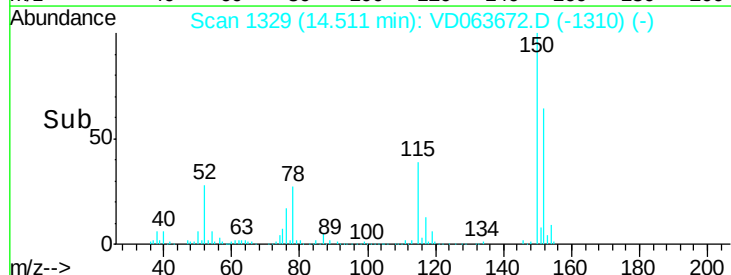
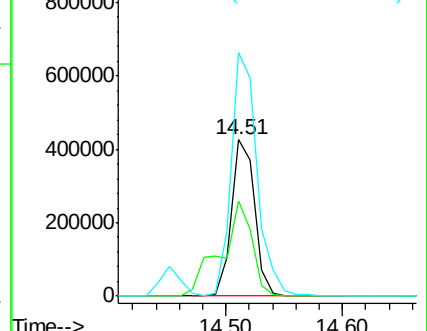
150 156.0 0.0 318.6

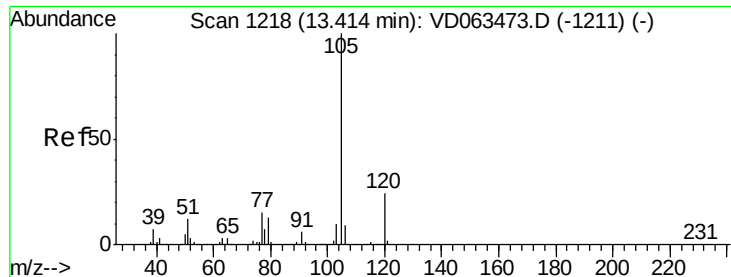


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 56.758 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. -0.02 min

Lab File: VD063672.D

Acq: 19 Aug 2019 22:17

Instrument :

MSVOA_D

ClientSampleId :

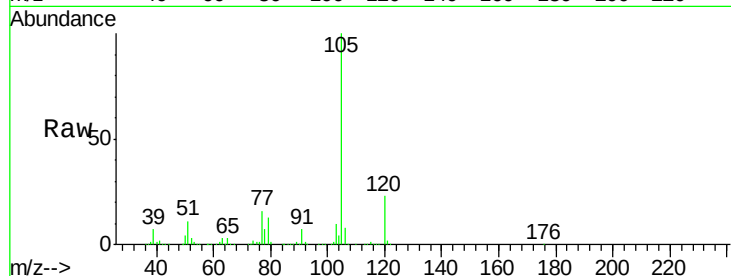
VSTDCCC050EC

Tot Ion:105 Resp: 2119309

Ion Ratio Lower Upper

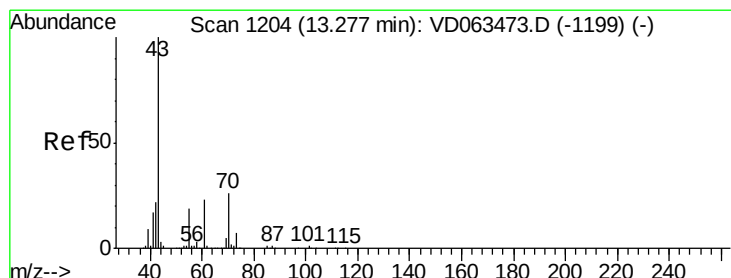
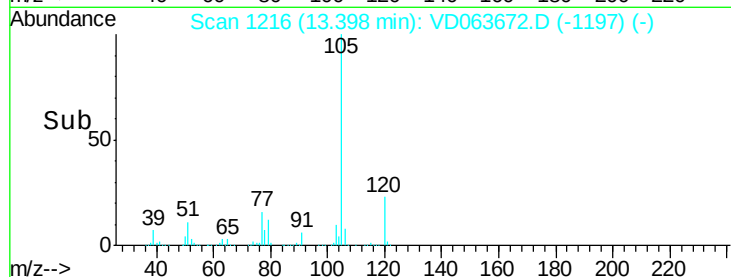
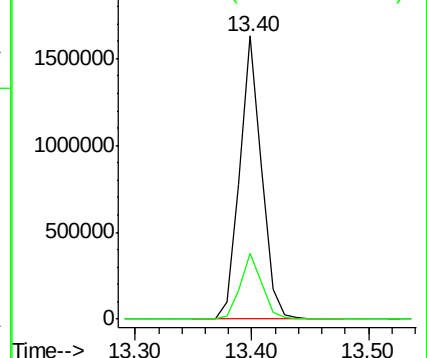
105 100

120 23.1 11.9 35.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 53.293 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.02 min

Lab File: VD063672.D

Acq: 19 Aug 2019 22:17

Tgt Ion: 43 Resp: 499537

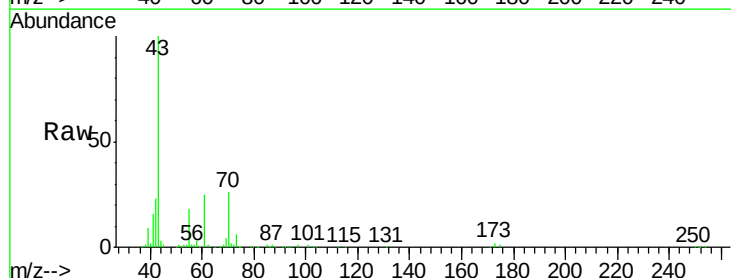
Ion Ratio Lower Upper

43 100

70 25.9 21.1 31.7

55 18.4 15.4 23.0

61 24.6 18.2 27.2

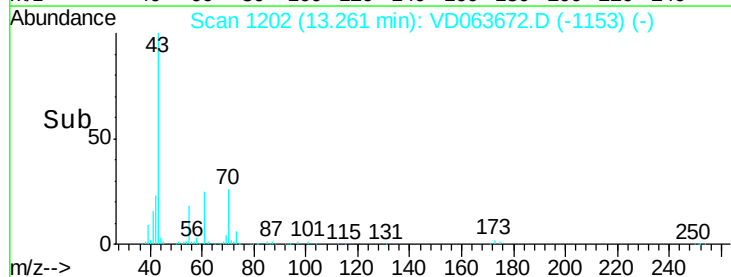
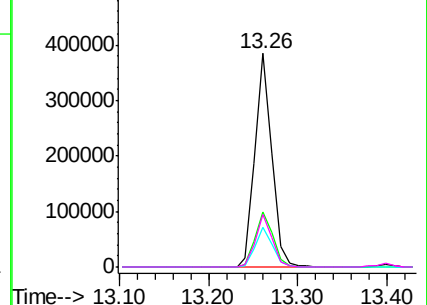


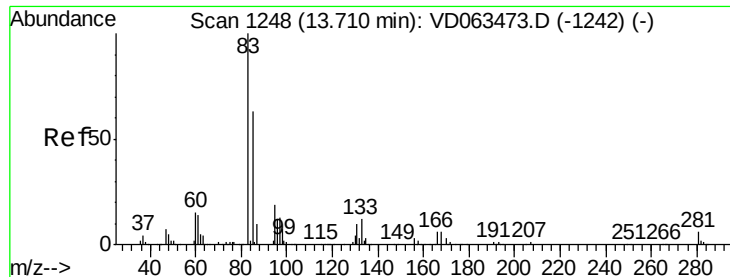
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 59.067 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. -0.02 min

Lab File: VD063672.D

Acq: 19 Aug 2019 22:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

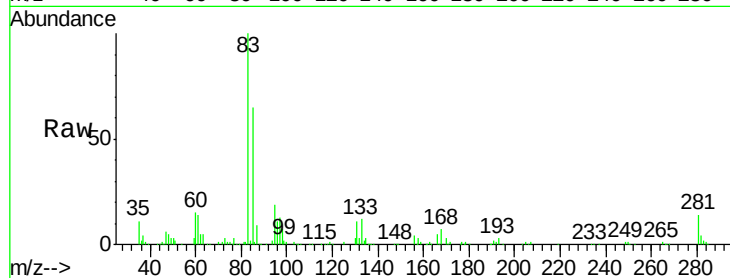
Tot Ion: 83 Resp: 366076

Ion Ratio Lower Upper

83 100

131 11.5 5.3 15.8

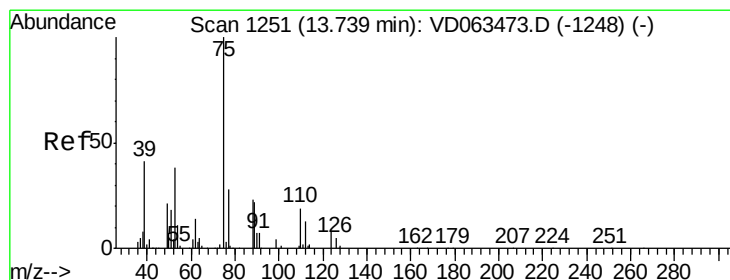
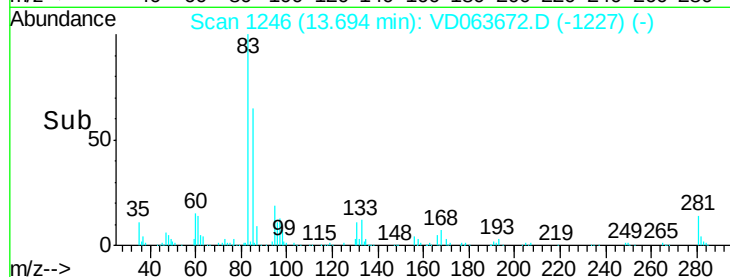
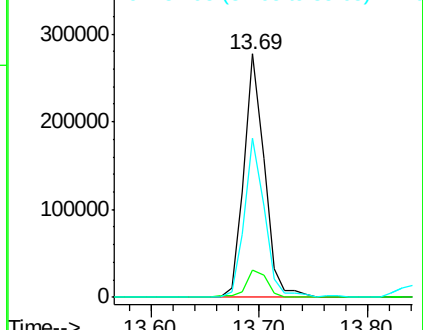
85 65.5 31.4 94.3



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 58.126 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.01 min

Lab File: VD063672.D

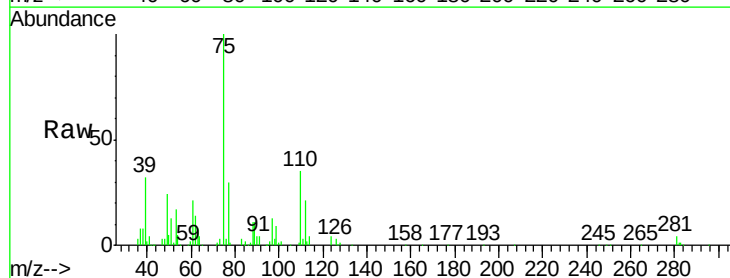
Acq: 19 Aug 2019 22:17

Tgt Ion: 75 Resp: 391613

Ion Ratio Lower Upper

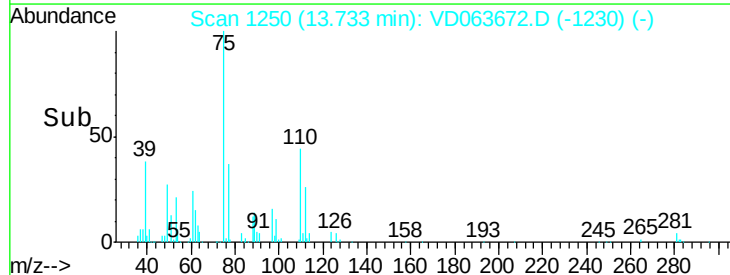
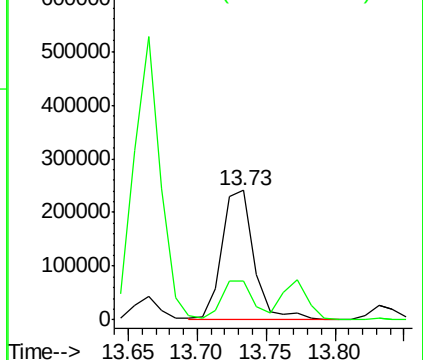
75 100

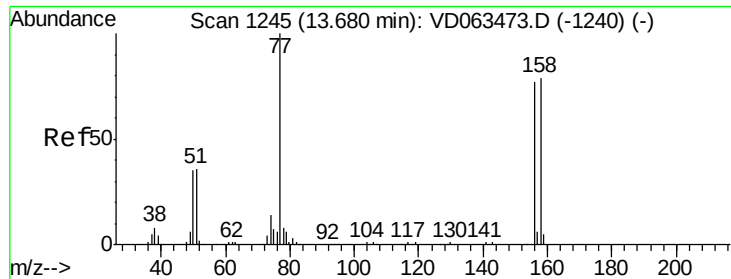
77 30.1 15.1 45.3



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 55.366 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. -0.02 min

Lab File: VD063672.D

Acq: 19 Aug 2019 22:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

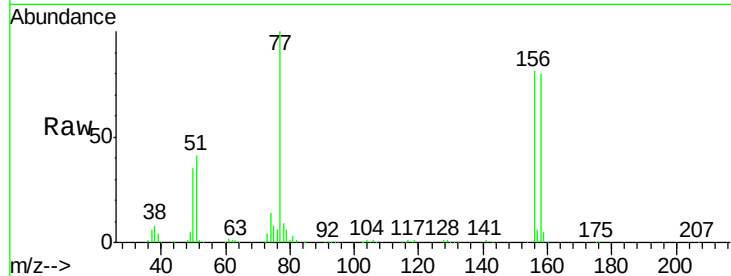
Tot Ion:156 Resp: 565010

Ion Ratio Lower Upper

156 100

77 123.0 64.6 193.8

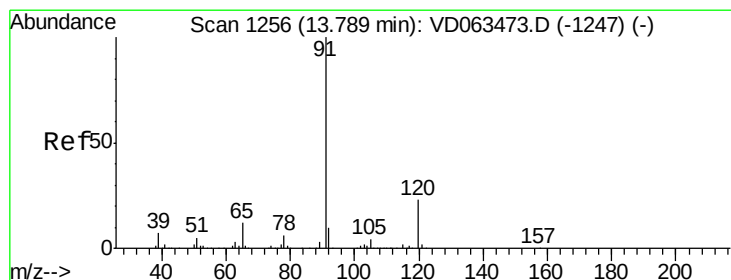
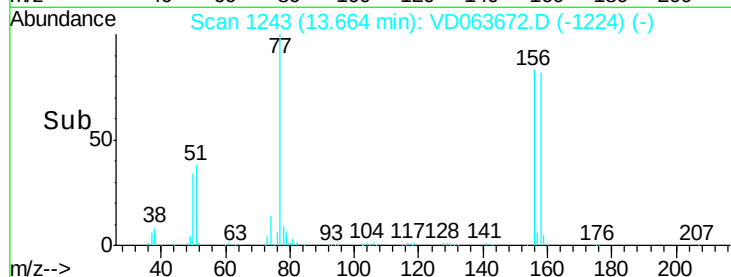
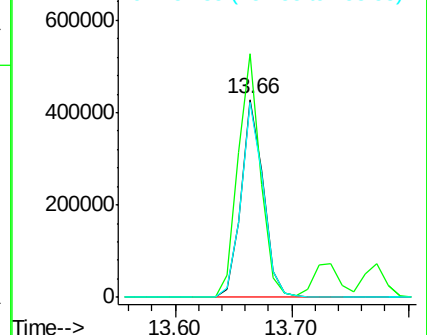
158 98.2 50.9 152.7



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 51.900 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.02 min

Lab File: VD063672.D

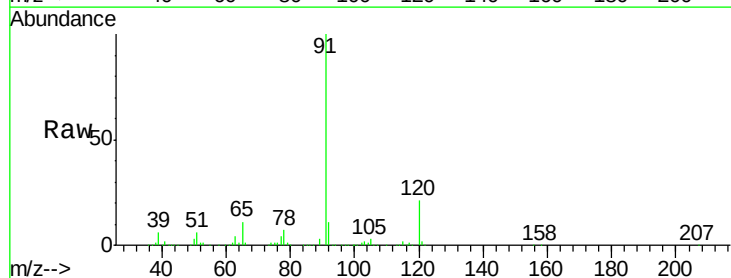
Acq: 19 Aug 2019 22:17

Tgt Ion: 91 Resp: 2267442

Ion Ratio Lower Upper

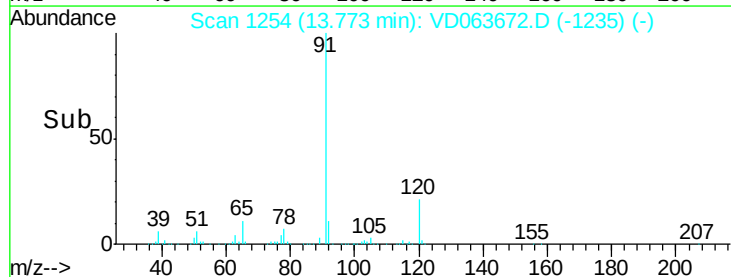
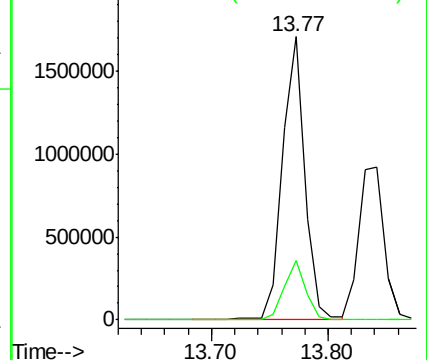
91 100

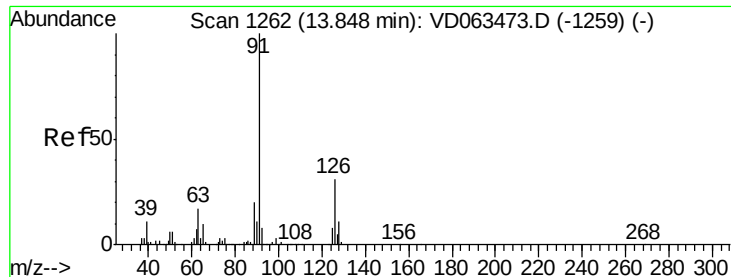
120 20.9 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 55.318 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. -0.01 min

Lab File: VD063672.D

Acq: 19 Aug 2019 22:17

Instrument :

MSVOA_D

ClientSampleId :

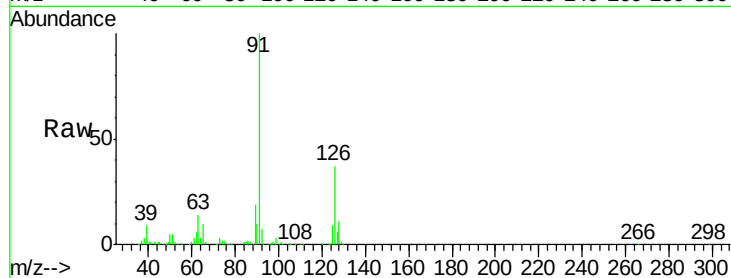
VSTDCCC050EC

Tot Ion: 91 Resp: 1393465

Ion Ratio Lower Upper

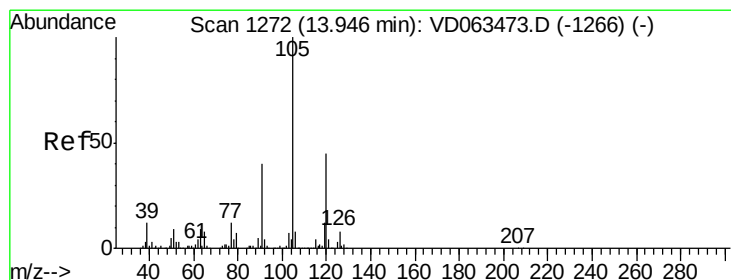
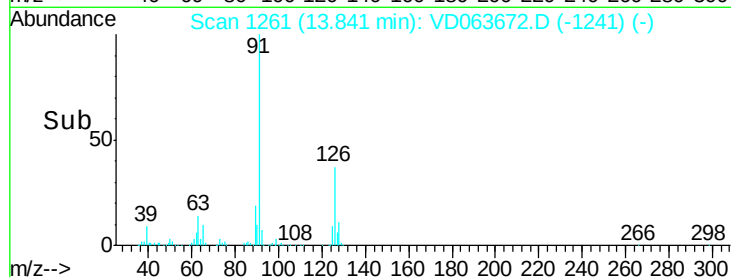
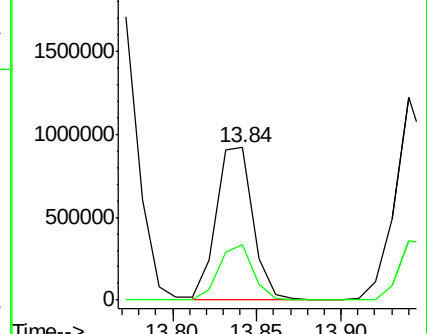
91 100

126 36.7 15.6 46.7



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 55.105 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. -0.02 min

Lab File: VD063672.D

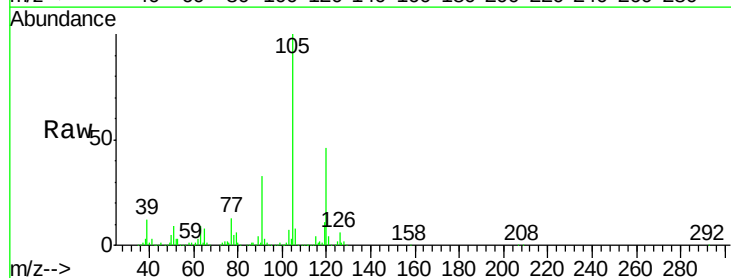
Acq: 19 Aug 2019 22:17

Tgt Ion:105 Resp: 1797796

Ion Ratio Lower Upper

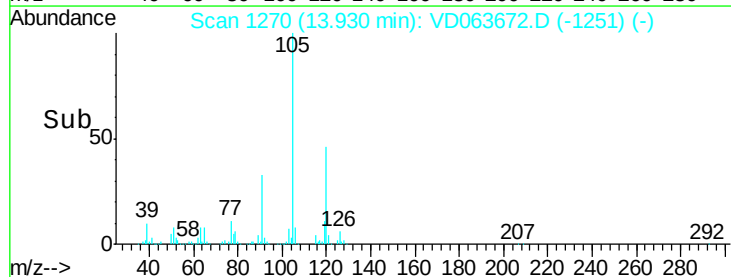
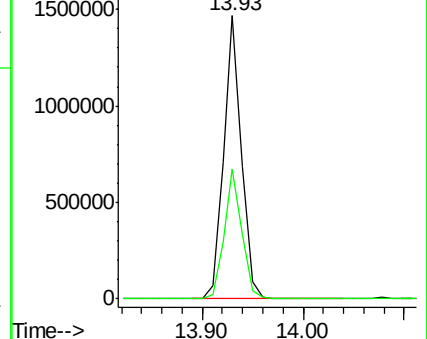
105 100

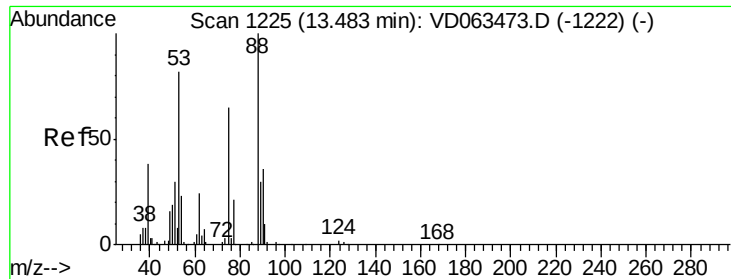
120 45.8 22.8 68.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 51.755 ug/l

RT: 13.47 min Scan# 1223

Delta R.T. -0.02 min

Lab File: VD063672.D

Acq: 19 Aug 2019 22:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

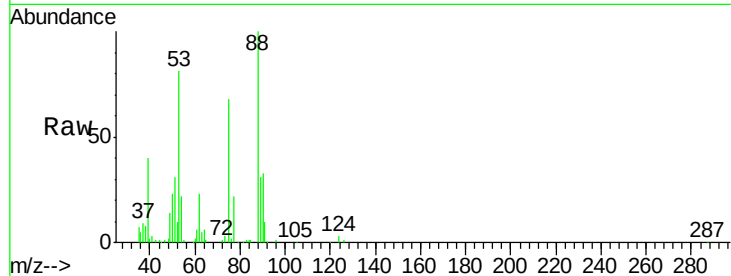
Tot Ion: 75 Resp: 93720

Ion Ratio Lower Upper

75 100

53 119.8 101.0 151.4

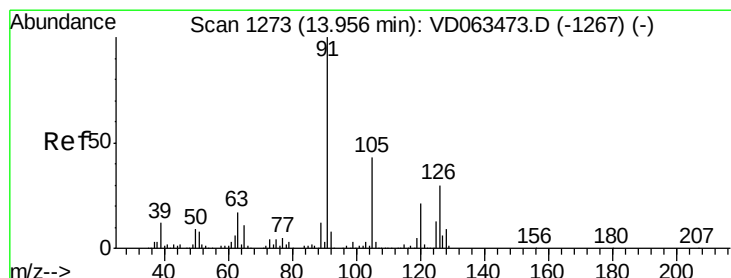
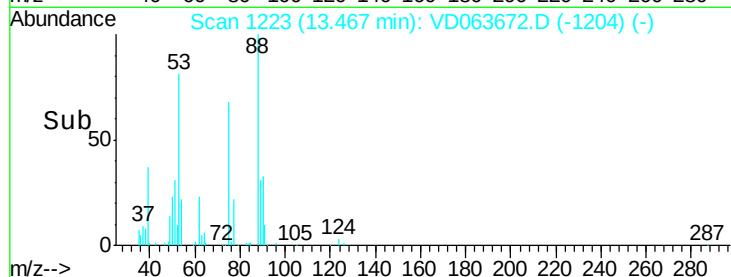
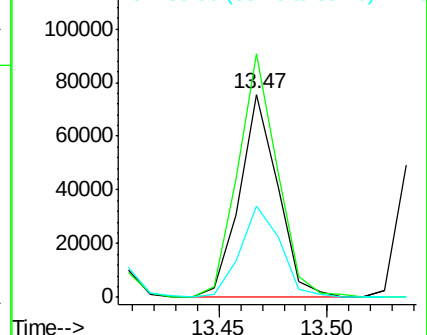
89 44.9 37.0 55.6



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 58.003 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. -0.02 min

Lab File: VD063672.D

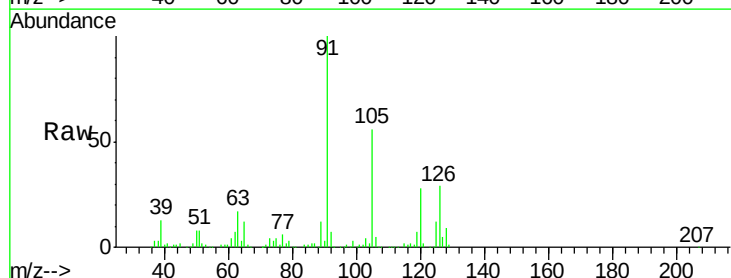
Acq: 19 Aug 2019 22:17

Tgt Ion: 91 Resp: 1756962

Ion Ratio Lower Upper

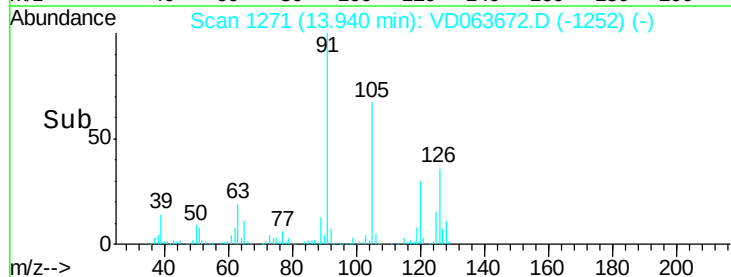
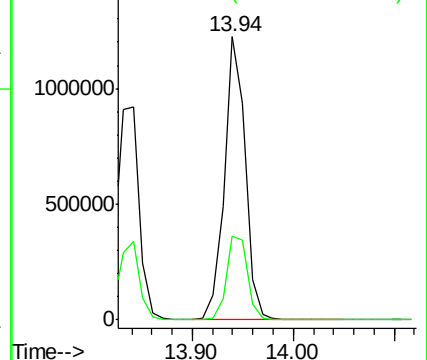
91 100

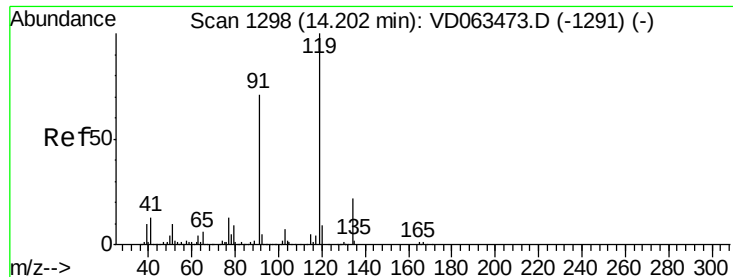
126 29.5 15.2 45.6



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

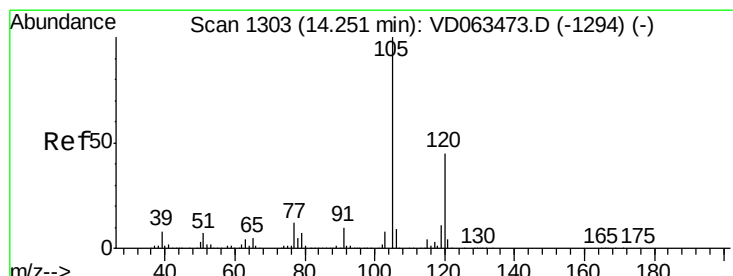
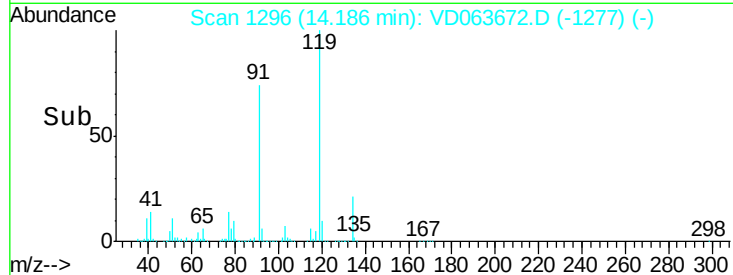
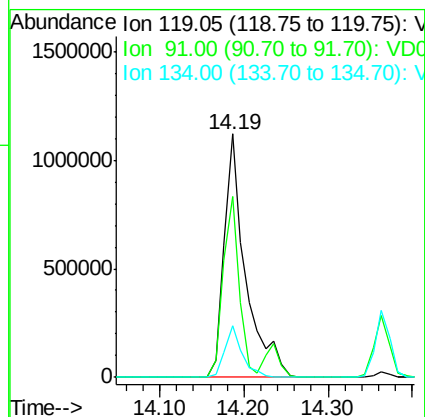
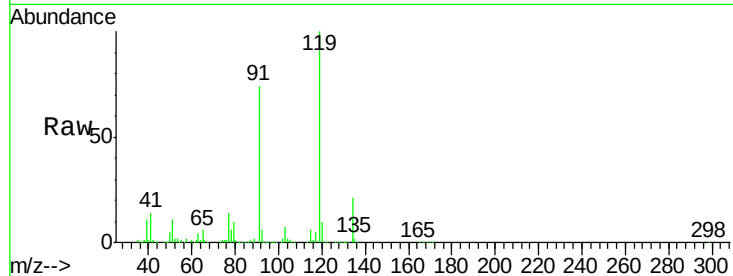




#83
 tert-Butylbenzene
 Concen: 57.873 ug/l
 RT: 14.19 min Scan# 1296
 Delta R.T. -0.02 min
 Lab File: VD063672.D
 Acq: 19 Aug 2019 22:17

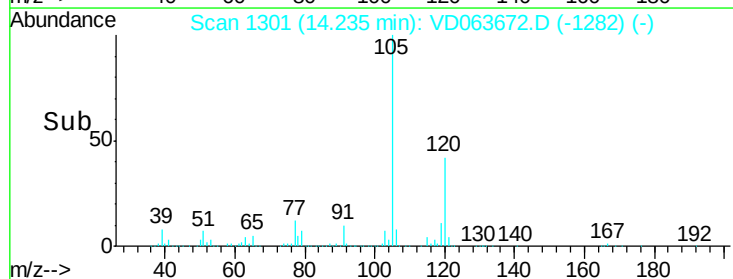
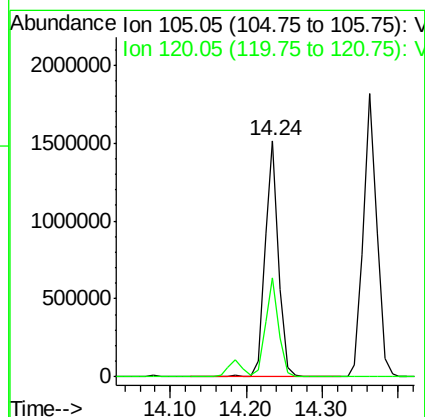
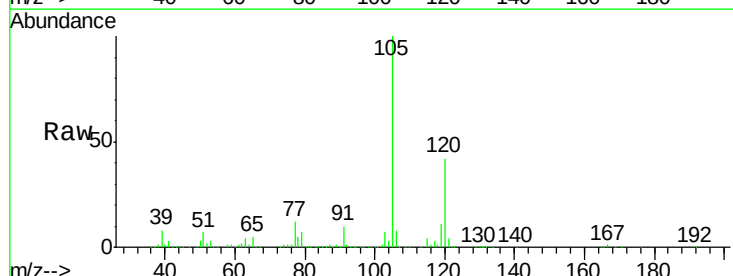
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

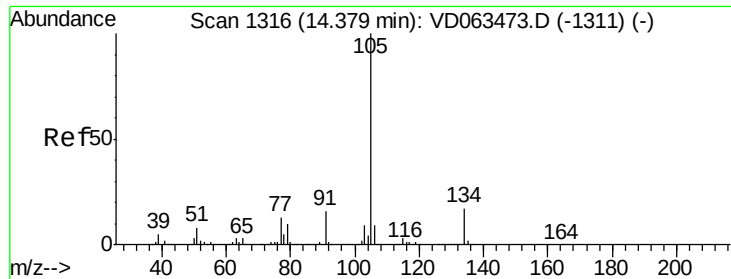
Tot Ion:119 Resp: 1988240
 Ion Ratio Lower Upper
 119 100
 91 74.1 35.5 106.7
 134 21.2 11.1 33.1



#84
 1,2,4-Trimethylbenzene
 Concen: 62.914 ug/l
 RT: 14.24 min Scan# 1301
 Delta R.T. -0.02 min
 Lab File: VD063672.D
 Acq: 19 Aug 2019 22:17

Tgt Ion:105 Resp: 1899167
 Ion Ratio Lower Upper
 105 100
 120 41.9 22.7 68.1

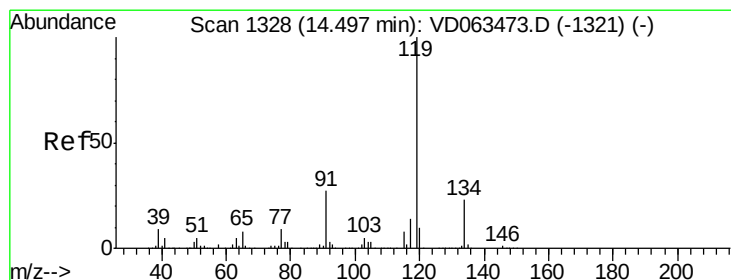
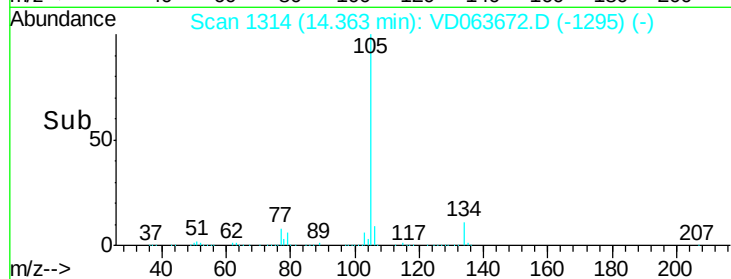
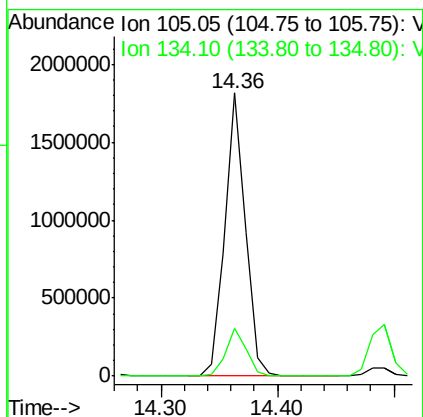
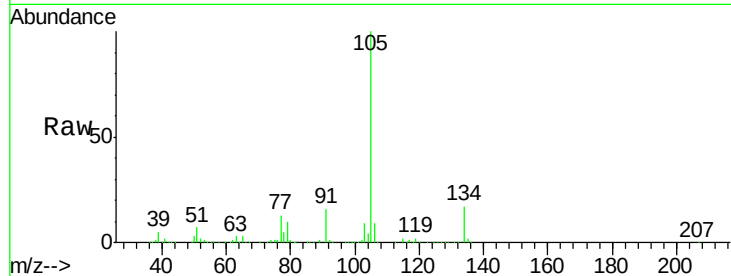




#85
 sec-Butylbenzene
 Concen: 60.744 ug/l
 RT: 14.36 min Scan# 1314
 Delta R.T. -0.02 min
 Lab File: VD063672.D
 Acq: 19 Aug 2019 22:17

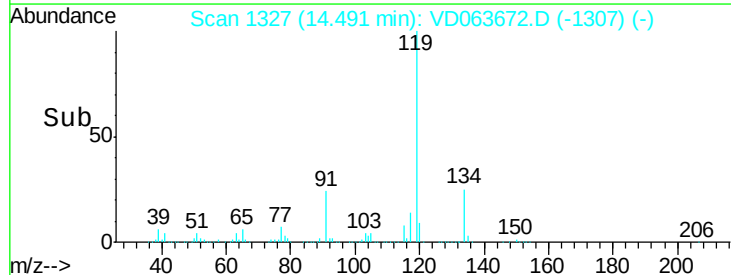
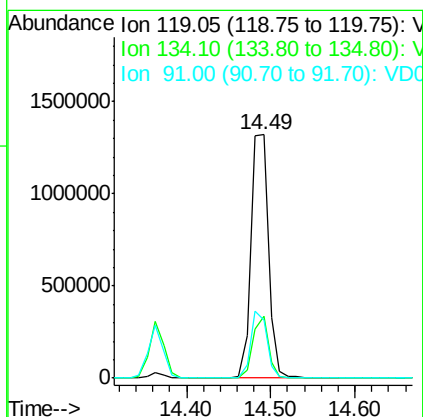
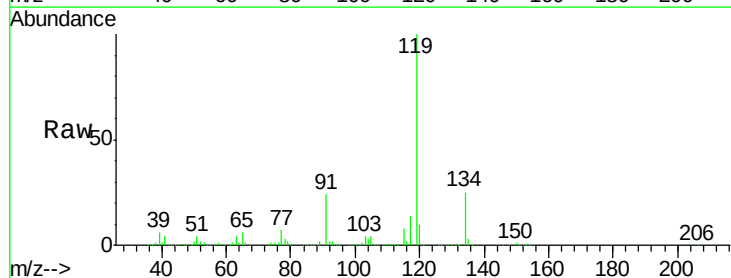
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

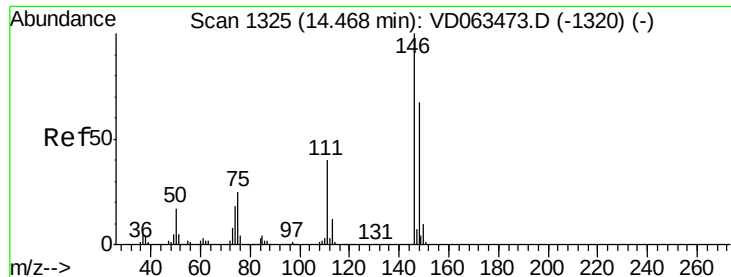
Tot Ion:105 Resp: 2216233
 Ion Ratio Lower Upper
 105 100
 134 17.1 8.3 24.8



#86
 p-Isopropyltoluene
 Concen: 55.414 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. -0.01 min
 Lab File: VD063672.D
 Acq: 19 Aug 2019 22:17

Tgt Ion:119 Resp: 1933103
 Ion Ratio Lower Upper
 119 100
 134 25.4 11.3 33.8
 91 24.0 13.5 40.4

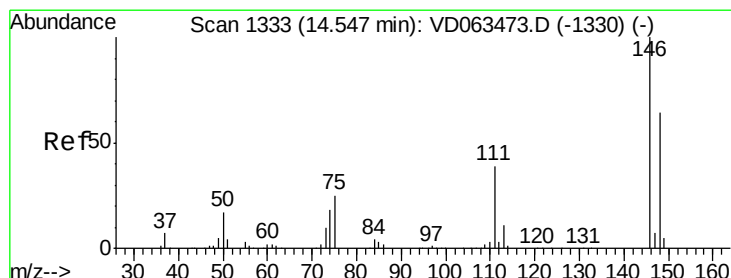
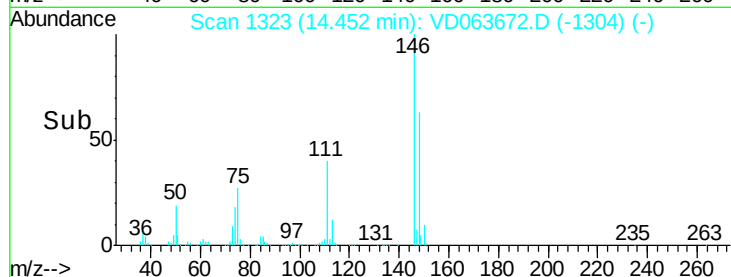
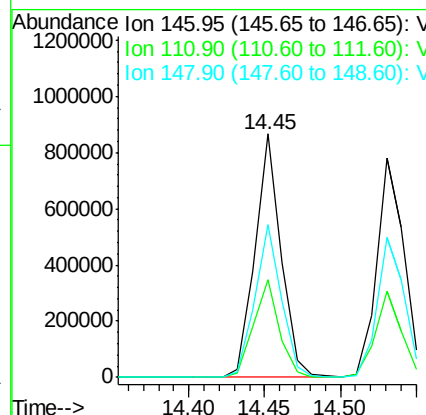
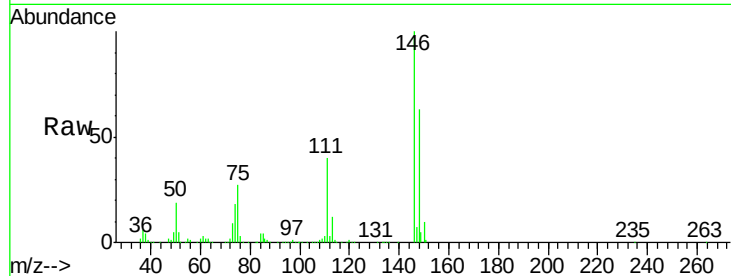




#87
 1,3-Dichlorobenzene
 Concen: 56.365 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.02 min
 Lab File: VD063672.D
 Acq: 19 Aug 2019 22:17

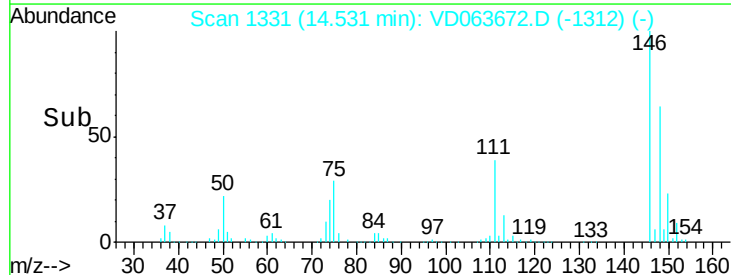
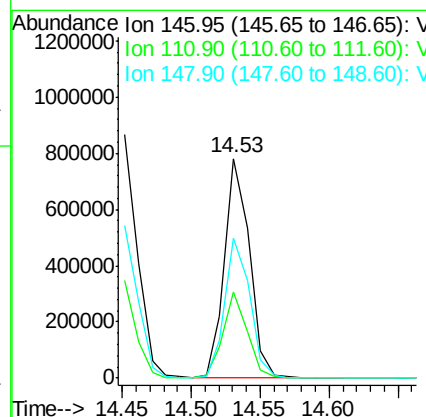
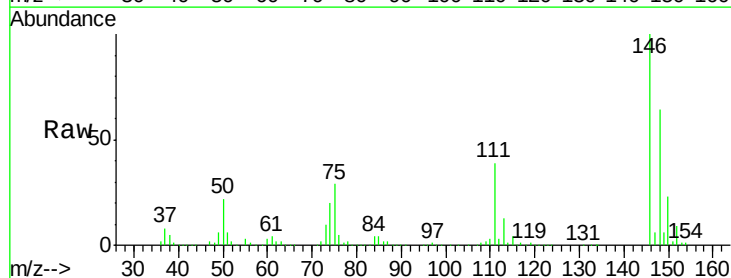
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

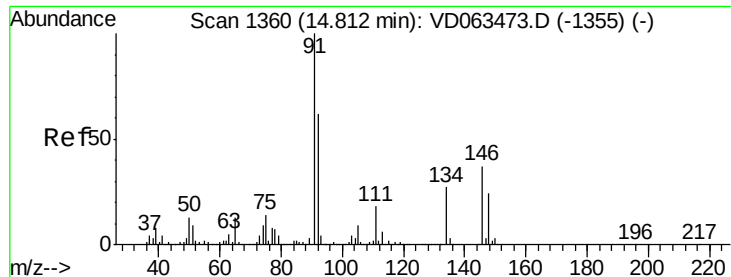
Tot Ion:146 Resp: 1040429
 Ion Ratio Lower Upper
 146 100
 111 40.2 20.0 60.0
 148 62.8 33.6 100.6



#88
 1,4-Dichlorobenzene
 Concen: 55.560 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.02 min
 Lab File: VD063672.D
 Acq: 19 Aug 2019 22:17

Tgt Ion:146 Resp: 983965
 Ion Ratio Lower Upper
 146 100
 111 39.4 19.7 59.0
 148 63.8 32.1 96.3





#89

n-Butylbenzene

Concen: 57.901 ug/l

RT: 14.80 min Scan# 1358

Delta R.T. -0.02 min

Lab File: VD063672.D

Acq: 19 Aug 2019 22:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

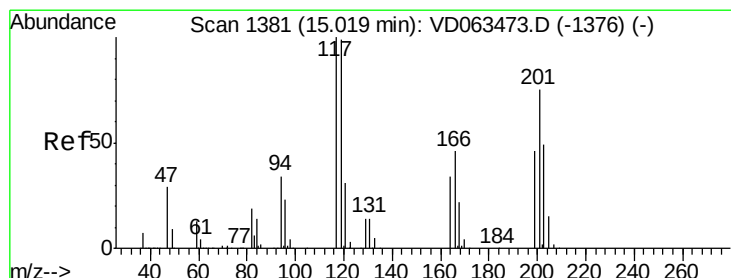
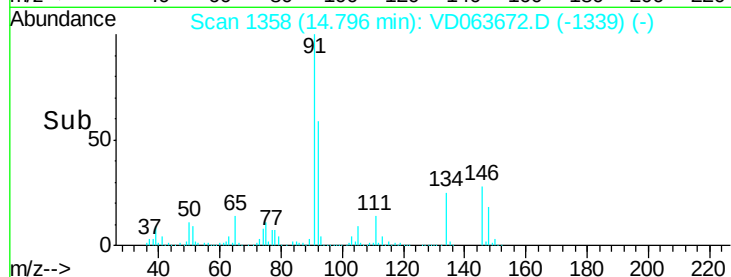
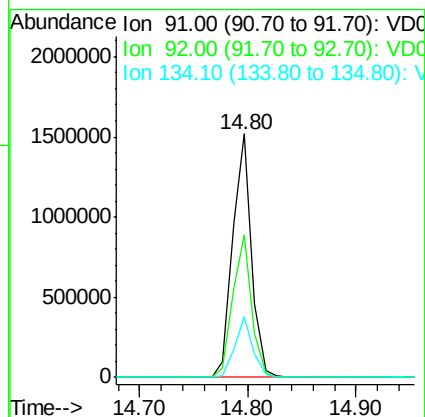
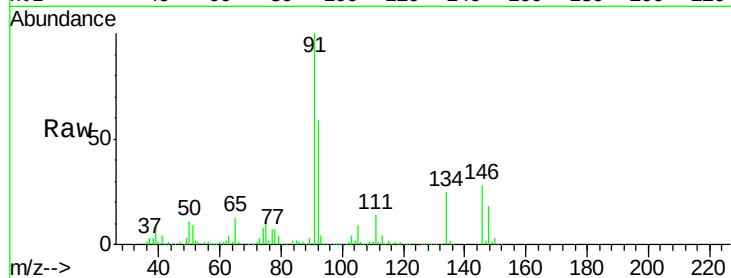
Tot Ion: 91 Resp: 1843492

Ion Ratio Lower Upper

91 100

92 58.8 30.8 92.3

134 24.9 13.4 40.2



#90

Hexachloroethane

Concen: 61.970 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. -0.02 min

Lab File: VD063672.D

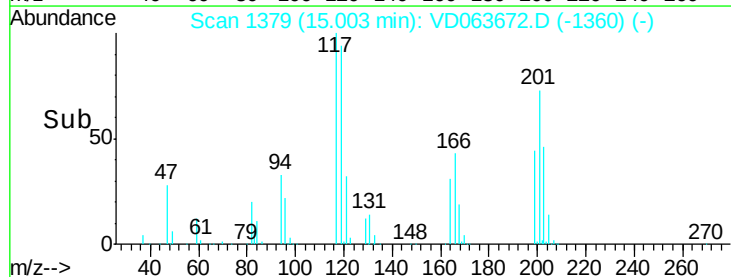
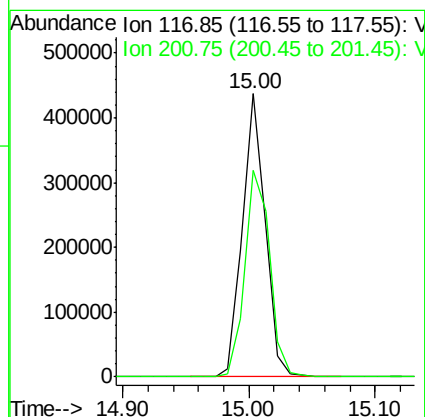
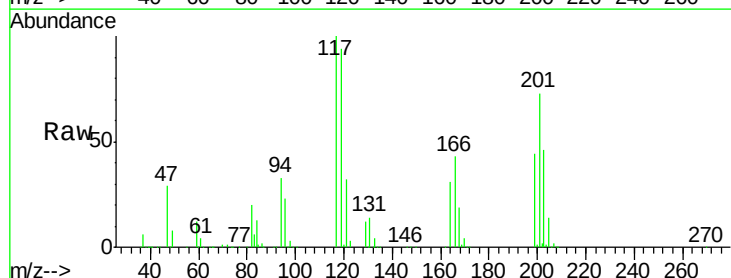
Acq: 19 Aug 2019 22:17

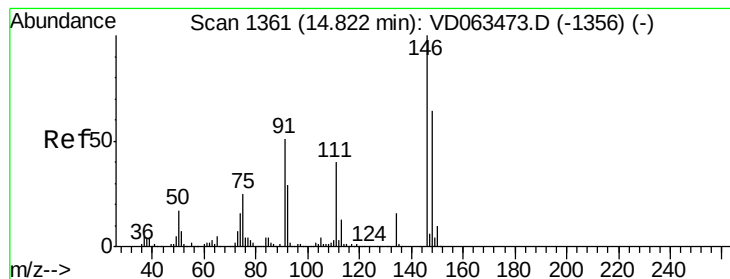
Tgt Ion: 117 Resp: 543365

Ion Ratio Lower Upper

117 100

201 72.9 37.5 112.5





#91

1,2-Dichlorobenzene

Concen: 59.040 ug/l

RT: 14.81 min Scan# 1359

Delta R.T. -0.02 min

Lab File: VD063672.D

Acq: 19 Aug 2019 22:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

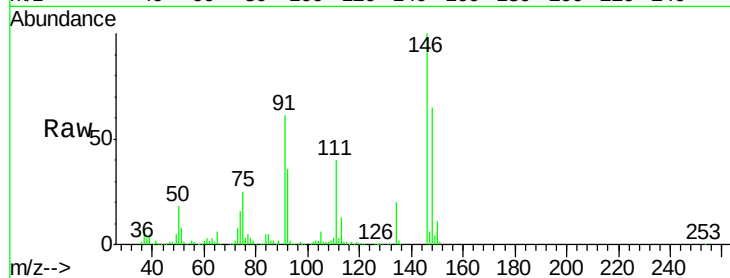
Tot Ion:146 Resp: 924632

Ion Ratio Lower Upper

146 100

111 39.6 20.2 60.6

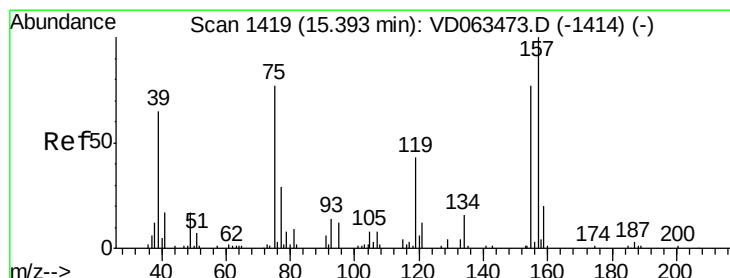
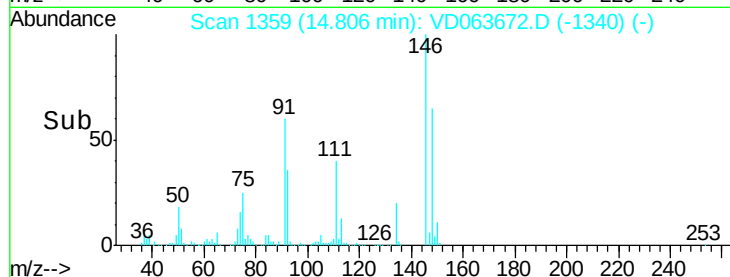
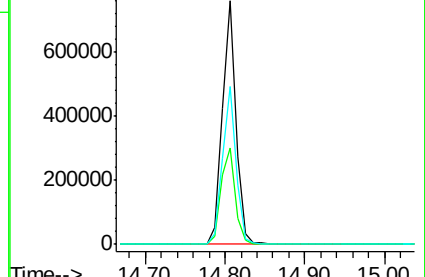
148 64.9 32.1 96.5



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 54.627 ug/l

RT: 15.38 min Scan# 1417

Delta R.T. -0.02 min

Lab File: VD063672.D

Acq: 19 Aug 2019 22:17

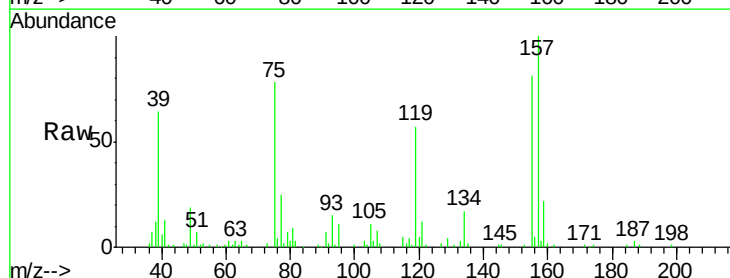
Tgt Ion: 75 Resp: 63749

Ion Ratio Lower Upper

75 100

155 103.3 50.1 150.3

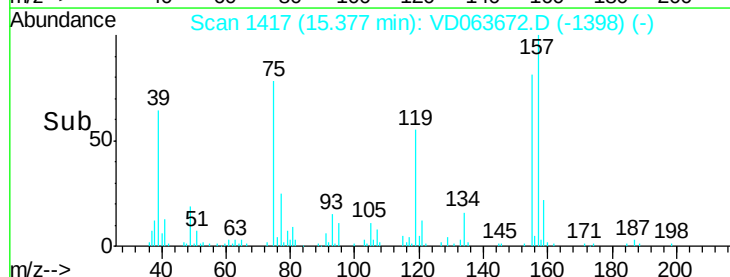
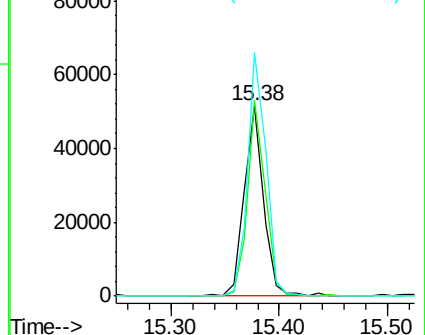
157 128.1 65.0 195.1

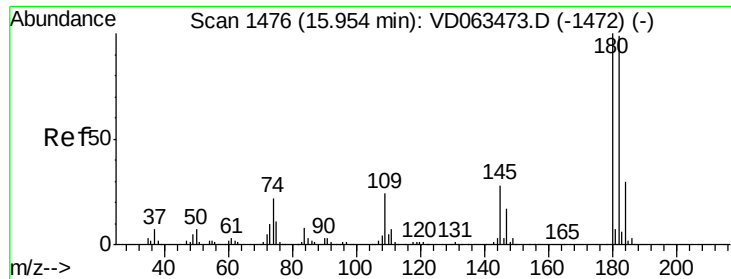


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

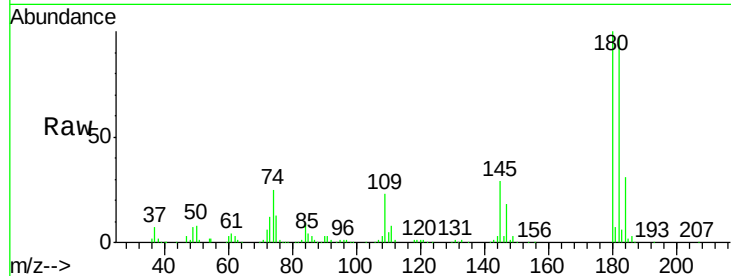




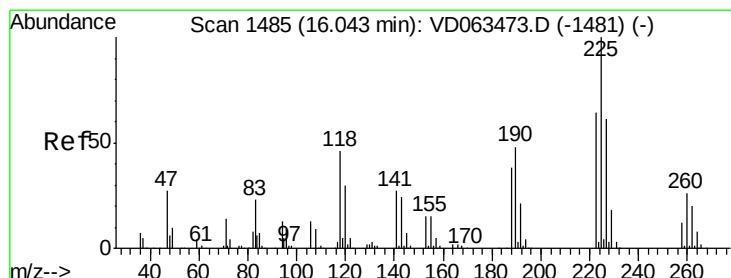
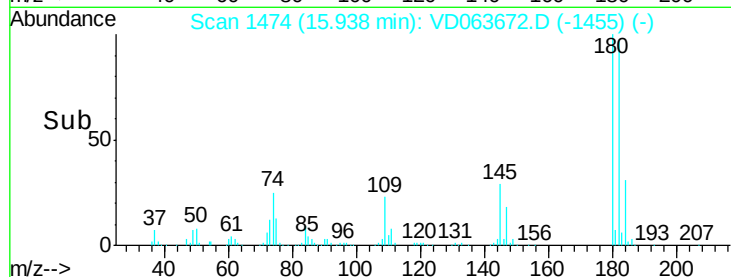
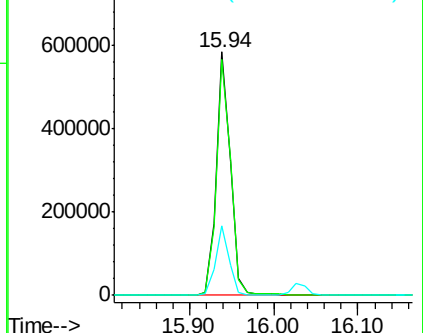
#93
 1,2,4-Trichlorobenzene
 Concen: 59.306 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.02 min
 Lab File: VD063672.D
 Acq: 19 Aug 2019 22:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:180 Resp: 683431
 Ion Ratio Lower Upper
 180 100
 182 97.0 49.7 149.1
 145 28.7 14.1 42.2

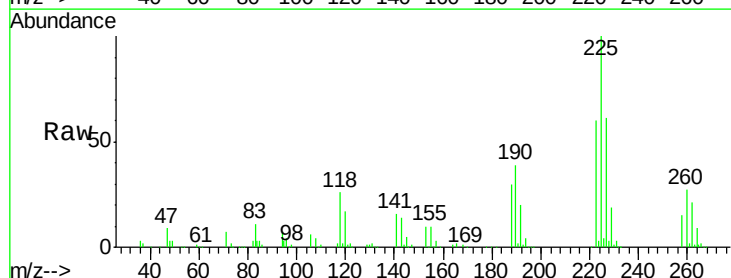


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

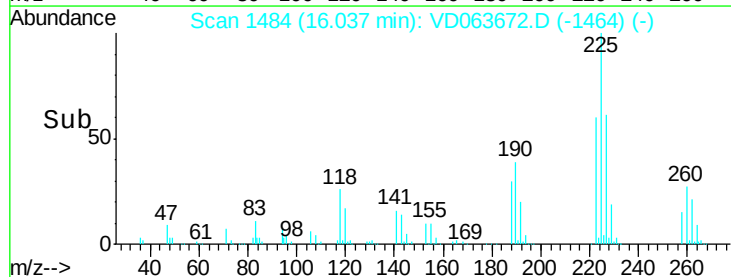
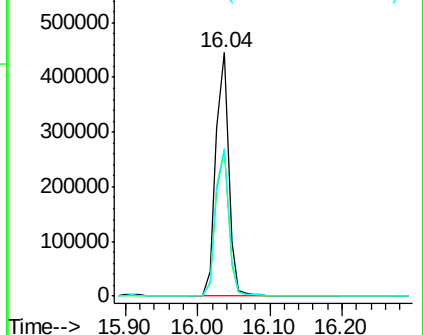


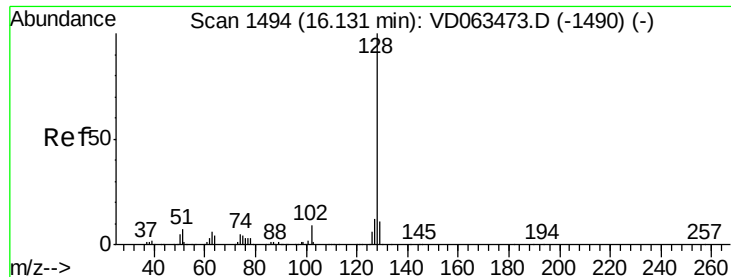
#94
 Hexachlorobutadiene
 Concen: 62.326 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. -0.01 min
 Lab File: VD063672.D
 Acq: 19 Aug 2019 22:17

Tgt Ion:225 Resp: 547392
 Ion Ratio Lower Upper
 225 100
 223 60.1 31.9 95.5
 227 60.7 30.7 92.1



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





#95

Naphthalene

Concen: 51.313 ug/l

RT: 16.12 min Scan# 1492

Delta R.T. -0.02 min

Lab File: VD063672.D

Acq: 19 Aug 2019 22:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

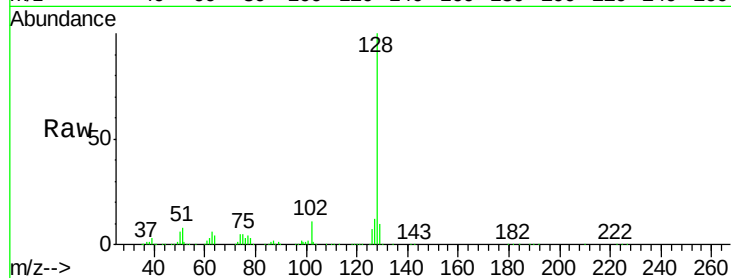
Tot Ion:128 Resp: 896149

Ion Ratio Lower Upper

128 100

127 12.3 9.4 14.0

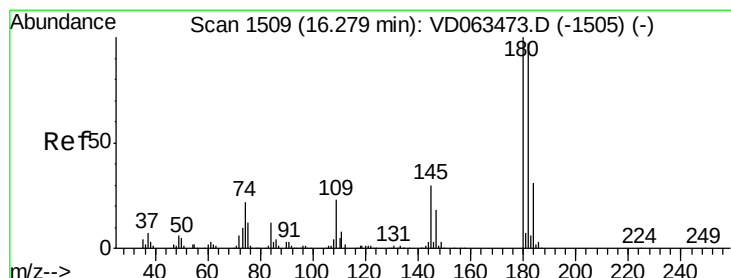
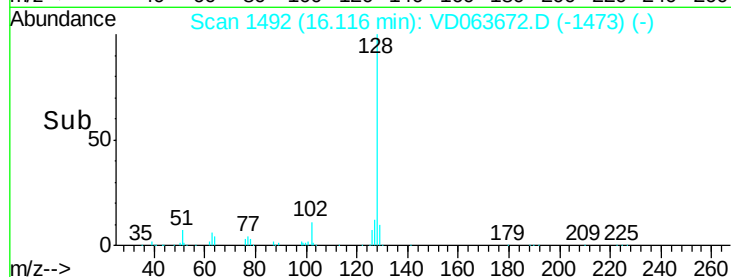
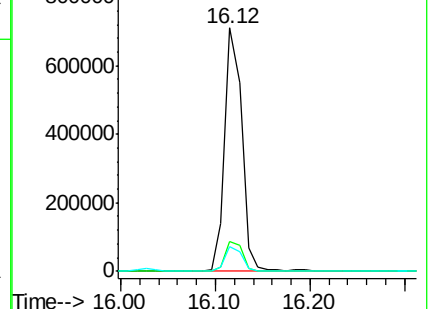
129 10.4 8.5 12.7



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: 58.380 ug/l

RT: 16.26 min Scan# 1507

Delta R.T. -0.02 min

Lab File: VD063672.D

Acq: 19 Aug 2019 22:17

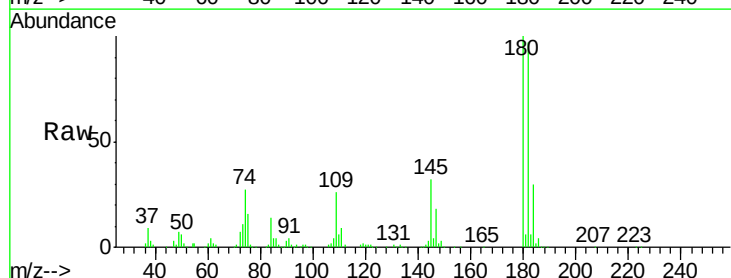
Tgt Ion:180 Resp: 543384

Ion Ratio Lower Upper

180 100

182 97.1 48.4 145.2

145 32.3 14.9 44.9



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

