

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081219\
 Data File : VD063478.D
 Acq On : 12 Aug 2019 10:43
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 12 12:11:23 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	1282894	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.21	114	1697861	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.37	117	1392039	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.51	152	722657	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	673227	49.09	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	98.18%	
35) Dibromofluoromethane	6.91	113	749962	52.45	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	104.90%	
50) Toluene-d8	10.41	98	1598762	50.85	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	101.70%	
62) 4-Bromofluorobenzene	13.55	95	768146	53.91	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	107.82%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	712259	45.891	ug/l	92
3) Chloromethane	1.75	50	553814	45.670	ug/l	96
4) Vinyl Chloride	1.84	62	582335	48.374	ug/l	94
5) Bromomethane	2.15	94	274555	48.335	ug/l	98
6) Chloroethane	2.26	64	301531	54.774	ug/l	100
7) Trichlorofluoromethane	2.52	101	1183549	50.123	ug/l	99
8) Diethyl Ether	2.87	74	160889	48.259	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.13	101	687668	49.321	ug/l	98
10) Methyl Iodide	3.29	142	973358	49.339	ug/l	98
11) Tert butyl alcohol	4.07	59	166421	278.780	ug/l #	92
12) 1,1-Dichloroethene	3.12	96	505660	48.779	ug/l	98
13) Acrolein	3.03	56	180087	306.480	ug/l	90
14) Allyl chloride	3.61	41	778243	49.940	ug/l	98
15) Acrylonitrile	4.19	53	396021	250.455	ug/l	96
16) Acetone	3.21	43	840994	301.690	ug/l #	93
17) Carbon Disulfide	3.36	76	1579753	48.286	ug/l	98
18) Methyl Acetate	3.64	43	235353	44.573	ug/l	98
19) Methyl tert-butyl Ether	4.23	73	1135756	54.784	ug/l	98
20) Methylene Chloride	3.80	84	499906	41.472	ug/l	94
21) trans-1,2-Dichloroethene	4.21	96	571357	52.376	ug/l	96
22) Diisopropyl ether	5.11	45	1514949	47.111	ug/l	99
23) Vinyl Acetate	5.04	43	4697652	251.283	ug/l	99
24) 1,1-Dichloroethane	4.96	63	942950	47.278	ug/l	97
25) 2-Butanone	6.06	43	734971	266.957	ug/l	100
26) 2,2-Dichloropropane	6.01	77	1059539	53.335	ug/l	100
27) cis-1,2-Dichloroethene	6.03	96	572535	47.971	ug/l	92
28) Bromochloromethane	6.43	49	376544	46.582	ug/l	91
29) Tetrahydrofuran	6.45	42	302239	235.591	ug/l	95
30) Chloroform	6.66	83	1187452	47.898	ug/l	94
31) Cyclohexane	6.94	56	633767	51.185	ug/l	99
32) 1,1,1-Trichloroethane	6.86	97	1171192	49.387	ug/l	97
36) 1,1-Dichloropropene	7.14	75	808789	53.885	ug/l	98
37) Ethyl Acetate	6.18	43	325314	51.724	ug/l #	94
38) Carbon Tetrachloride	7.10	117	1287860	56.932	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	709886	55.620	ug/l	97
40) Benzene	7.45	78	1650085	49.956	ug/l	97
41) Methacrylonitrile	6.44	41	419154	52.930	ug/l #	96
42) 1,2-Dichloroethane	7.57	62	877886	52.857	ug/l	99
43) Isopropyl Acetate	9.24	43	466041	55.326	ug/l #	98
44) Trichloroethene	8.53	130	665843	52.740	ug/l	94
45) 1,2-Dichloropropane	8.93	63	414925	53.942	ug/l	94
46) Dibromomethane	9.06	93	326028	49.632	ug/l	93
47) Bromodichloromethane	9.36	83	885190	52.535	ug/l	96
48) Methyl methacrylate	9.12	41	283013	49.541	ug/l	97
49) 1,4-Dioxane	9.07	88	50095	982.444	ug/l #	85
51) 4-Methyl-2-Pentanone	10.29	43	1538305	266.881	ug/l	100
52) Toluene	10.51	92	1075820	50.568	ug/l	96
53) t-1,3-Dichloropropene	10.91	75	748199	54.410	ug/l	100
54) cis-1,3-Dichloropropene	10.03	75	805055	51.921	ug/l	94
55) 1,1,2-Trichloroethane	11.19	97	370111	51.501	ug/l	97
56) Ethyl methacrylate	11.04	69	411348	52.735	ug/l	99
57) 1,3-Dichloropropane	11.40	76	573558	52.799	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.85	63	1139583	276.732	ug/l	99
59) 2-Hexanone	11.53	43	1228598	292.938	ug/l	99
60) Dibromochloromethane	11.68	129	709871	54.284	ug/l	99
61) 1,2-Dibromoethane	11.80	107	440118	50.589	ug/l	98
64) Tetrachloroethene	11.26	164	578808	53.862	ug/l	93
65) Chlorobenzene	12.40	112	1322454	50.688	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.52	131	593209	51.663	ug/l	96
67) Ethyl Benzene	12.52	91	2292959	50.545	ug/l	100
68) m/p-Xylenes	12.66	106	1632046	102.400	ug/l	96
69) o-Xylene	13.05	106	783669	51.088	ug/l	94
70) Styrene	13.07	104	1357482	49.750	ug/l	98
71) Bromoform	13.23	173	430421	54.669	ug/l	98
73) Isopropylbenzene	13.40	105	2457001	53.454	ug/l	99
74) N-amyl acetate	13.26	43	630384	54.633	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.70	83	418978	54.917	ug/l	96
76) 1,2,3-Trichloropropane	13.73	75	469385	56.595	ug/l	94
77) Bromobenzene	13.67	156	679208	54.067	ug/l	97
78) n-propylbenzene	13.78	91	2633195	48.962	ug/l	99
79) 2-Chlorotoluene	13.83	91	1567666	50.556	ug/l	97
80) 1,3,5-Trimethylbenzene	13.93	105	2129379	53.021	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.47	75	125790	56.430	ug/l	99
82) 4-Chlorotoluene	13.94	91	1907781	51.163	ug/l	100
83) tert-Butylbenzene	14.19	119	2331822	55.137	ug/l	98
84) 1,2,4-Trimethylbenzene	14.24	105	2038146	54.848	ug/l	96
85) sec-Butylbenzene	14.37	105	2396367	53.356	ug/l	99
86) p-Isopropyltoluene	14.48	119	2373484	55.271	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	1220680	53.720	ug/l	97
88) 1,4-Dichlorobenzene	14.53	146	1097373	50.336	ug/l	98
89) n-Butylbenzene	14.80	91	2168770	55.335	ug/l	98
90) Hexachloroethane	15.01	117	588856	54.556	ug/l	96
91) 1,2-Dichlorobenzene	14.81	146	1051381	54.536	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.38	75	73288	51.017	ug/l	92

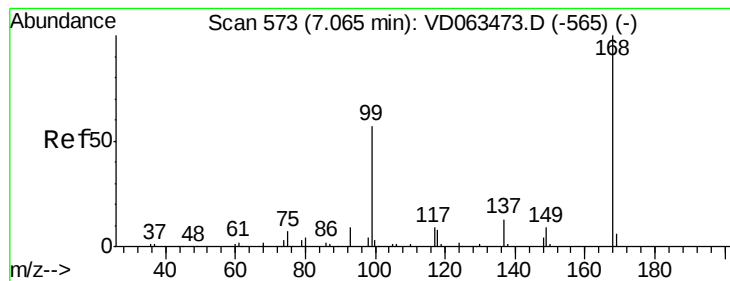
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD081219\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	771200	54.364	ug/l	99
94) Hexachlorobutadiene	16.04	225	537807	49.744	ug/l	96
95) Naphthalene	16.12	128	1116818	51.948	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	621578	54.250	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.03 min

Lab File: VD063478.D

Acq: 12 Aug 2019 10:43

Instrument :

MSVOA_D

ClientSampleId :

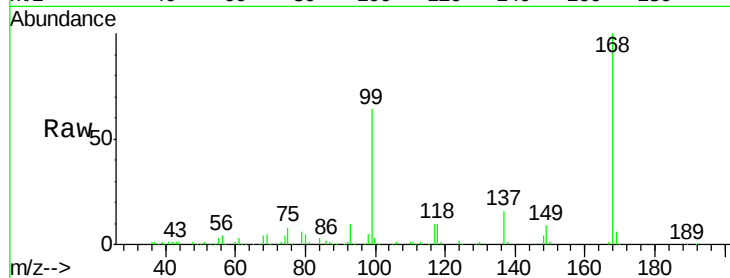
VSTDCCC050

Tot Ion:168 Resp: 1282894

Ion Ratio Lower Upper

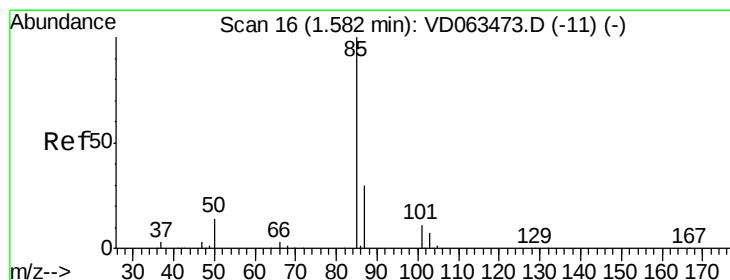
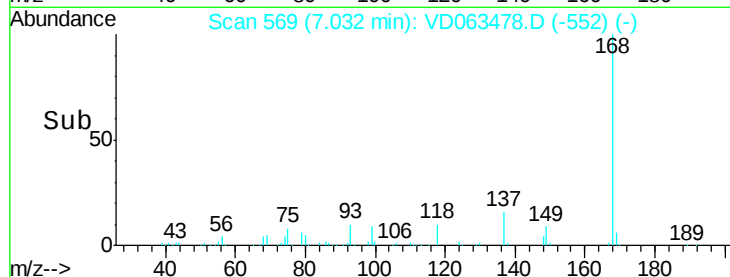
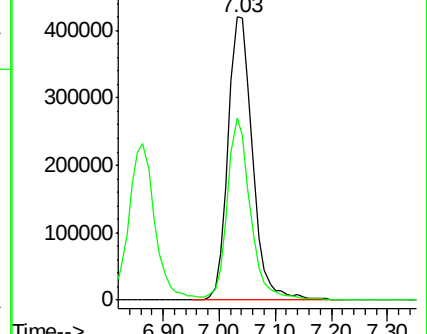
168 100

99 64.2 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: 45.891 ug/l

RT: 1.57 min Scan# 14

Delta R.T. -0.01 min

Lab File: VD063478.D

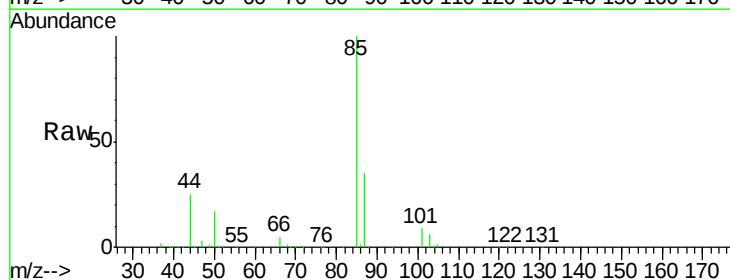
Acq: 12 Aug 2019 10:43

Tgt Ion: 85 Resp: 712259

Ion Ratio Lower Upper

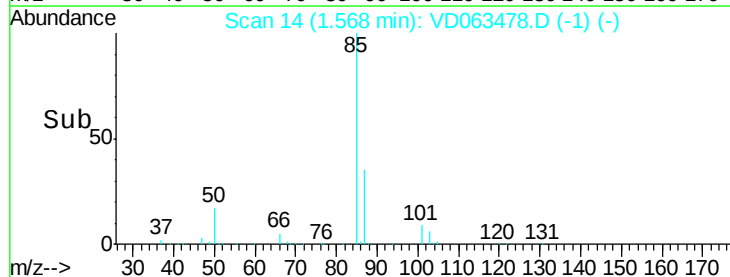
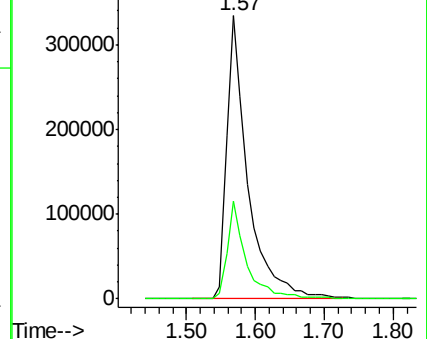
85 100

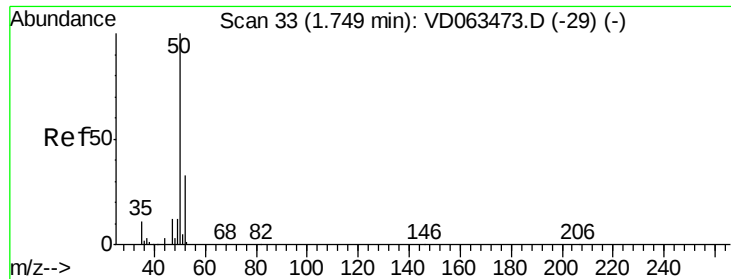
87 34.6 15.0 45.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 45.670 ug/l

RT: 1.75 min Scan# 32

Delta R.T. -0.00 min

Lab File: VD063478.D

Acq: 12 Aug 2019 10:43

Instrument :

MSVOA_D

ClientSampleId :

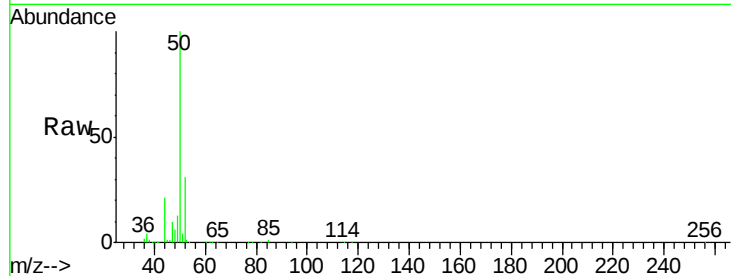
VSTDCCC050

Tot Ion: 50 Resp: 553814

Ion Ratio Lower Upper

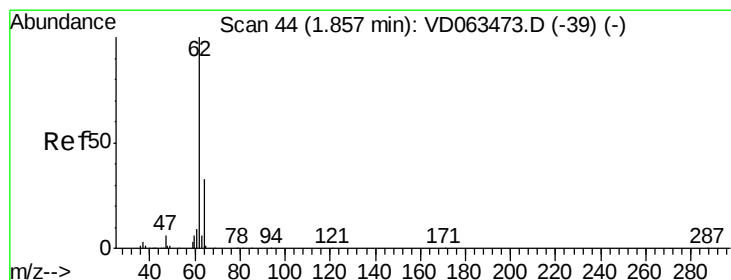
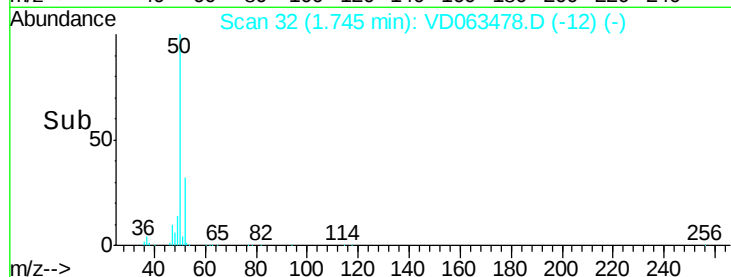
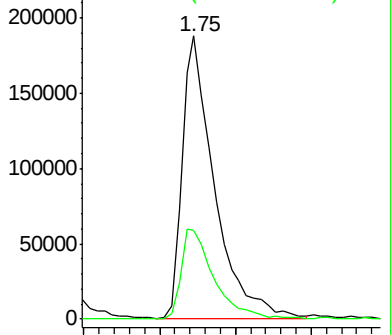
50 100

52 31.2 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: 48.374 ug/l

RT: 1.84 min Scan# 42

Delta R.T. -0.01 min

Lab File: VD063478.D

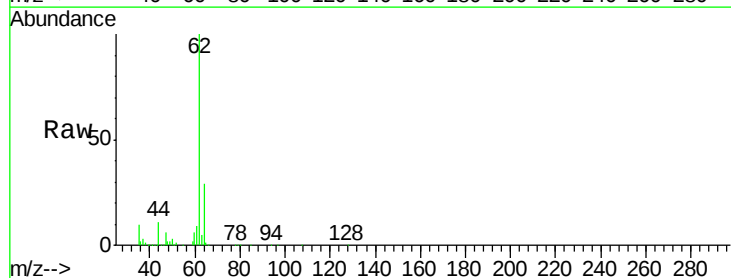
Acq: 12 Aug 2019 10:43

Tgt Ion: 62 Resp: 582335

Ion Ratio Lower Upper

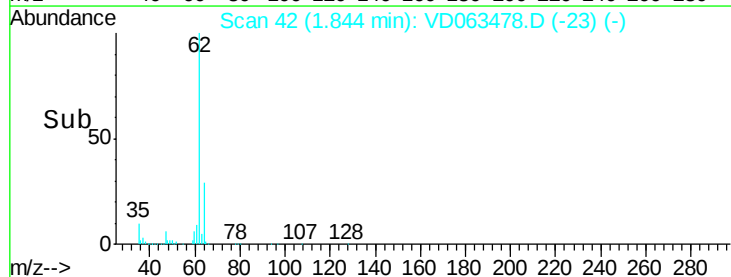
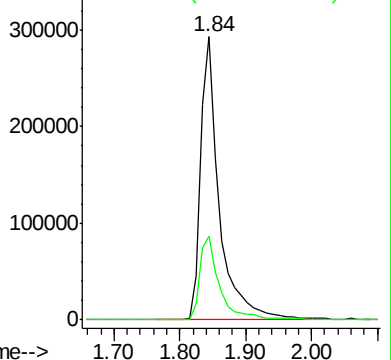
62 100

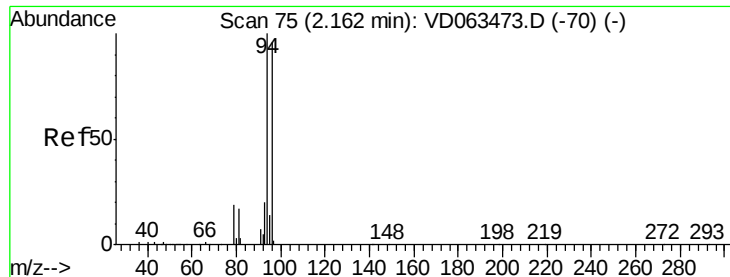
64 29.5 26.4 39.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 48.335 ug/l

RT: 2.15 min Scan# 73

Delta R.T. -0.01 min

Lab File: VD063478.D

Acq: 12 Aug 2019 10:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

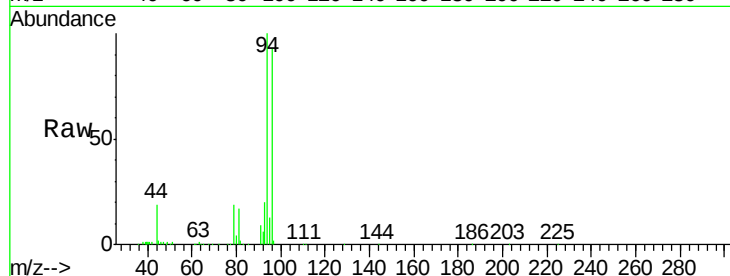
Tot Ion: 94 Resp: 274555

Ion Ratio Lower Upper

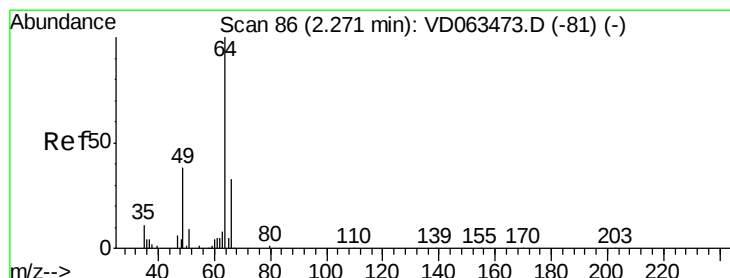
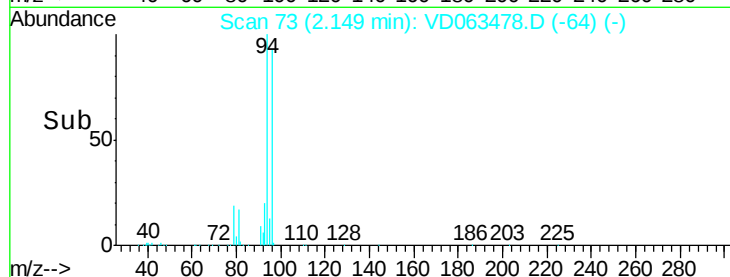
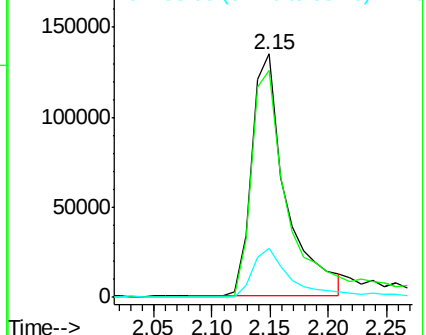
94 100

96 93.1 76.5 114.7

93 20.0 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: 54.774 ug/l

RT: 2.26 min Scan# 84

Delta R.T. -0.01 min

Lab File: VD063478.D

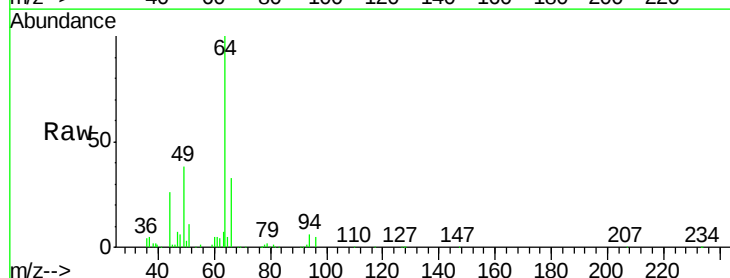
Acq: 12 Aug 2019 10:43

Tgt Ion: 64 Resp: 301531

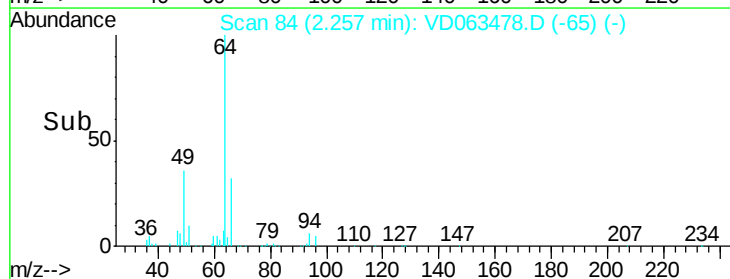
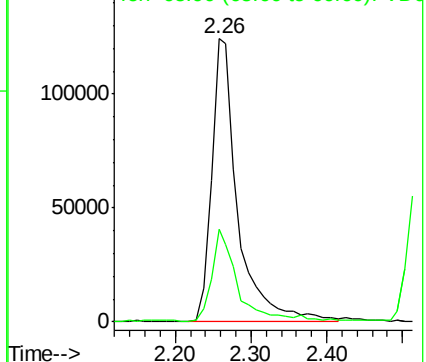
Ion Ratio Lower Upper

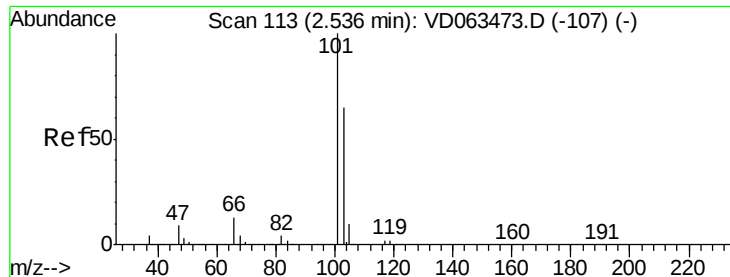
64 100

66 32.8 26.3 39.5



Abundance Ion 63.95 (63.65 to 64.65): VDC
Ion 65.90 (65.60 to 66.60): VDC



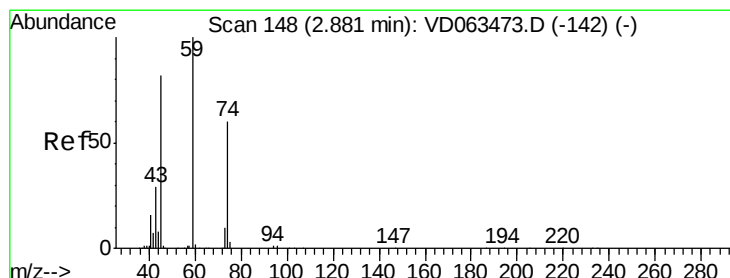
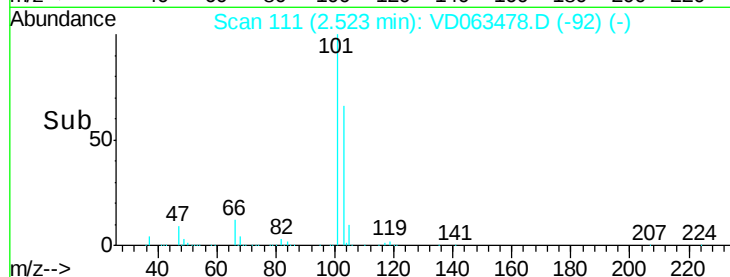
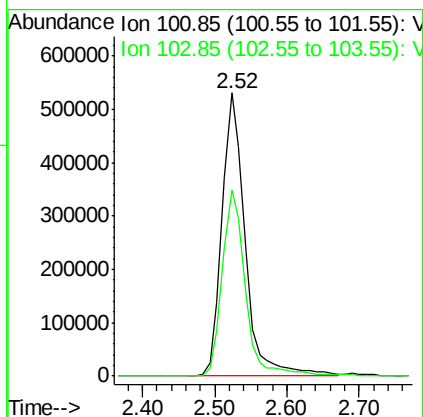
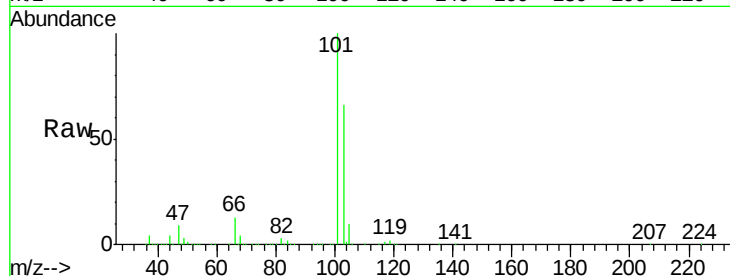


#7

Trichlorofluoromethane
 Concen: 50.123 ug/l
 RT: 2.52 min Scan# 111
 Delta R.T. -0.01 min
 Lab File: VD063478.D
 Acq: 12 Aug 2019 10:43

Instrument :
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 VSTDCCC050

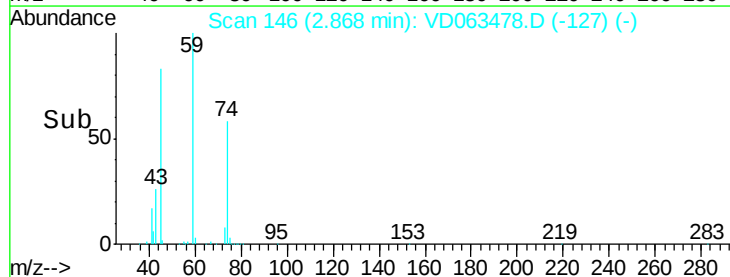
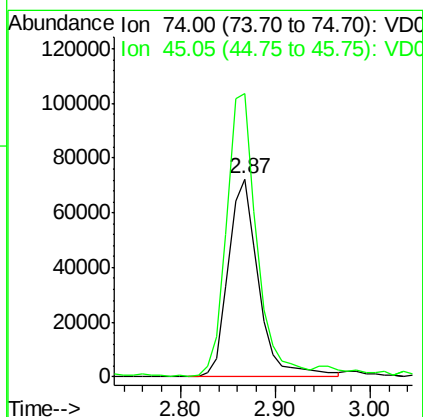
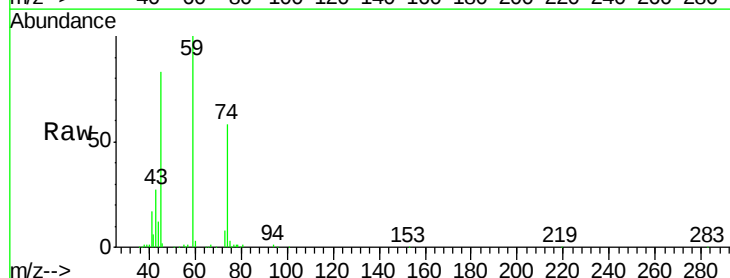
Tot Ion:101 Resp: 1183549
 Ion Ratio Lower Upper
 101 100
 103 65.8 52.2 78.4



#8

Diethyl Ether
 Concen: 48.259 ug/l
 RT: 2.87 min Scan# 146
 Delta R.T. -0.01 min
 Lab File: VD063478.D
 Acq: 12 Aug 2019 10:43

Tgt Ion: 74 Resp: 160889
 Ion Ratio Lower Upper
 74 100
 45 143.1 68.5 205.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.321 ug/l

RT: 3.13 min Scan# 173

Delta R.T. -0.02 min

Lab File: VD063478.D

Acq: 12 Aug 2019 10:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

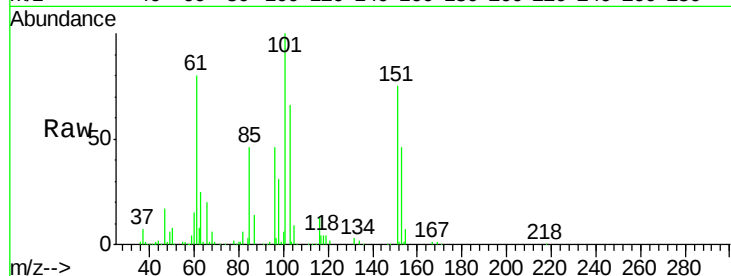
Tot Ion:101 Resp: 687668

Ion Ratio Lower Upper

101 100

85 46.1 35.8 53.6

151 75.3 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

3.13

250000

200000

150000

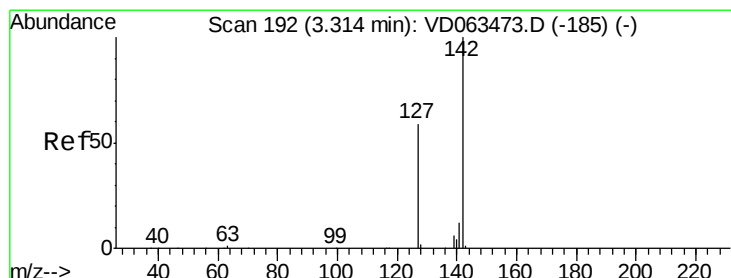
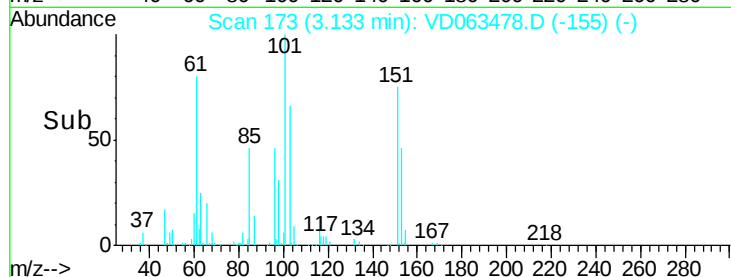
100000

50000

0

3.00 3.10 3.20 3.30

Time-->



#10

Methyl Iodide

Concen: 49.339 ug/l

RT: 3.29 min Scan# 189

Delta R.T. -0.02 min

Lab File: VD063478.D

Acq: 12 Aug 2019 10:43

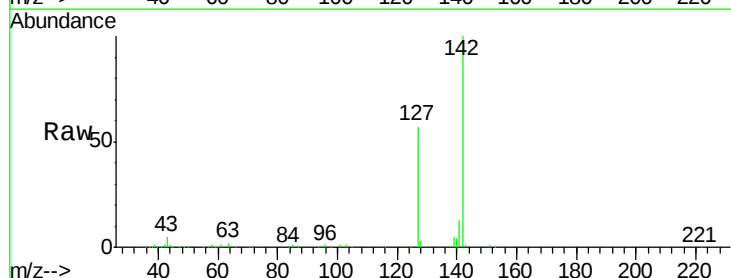
Tgt Ion:142 Resp: 973358

Ion Ratio Lower Upper

142 100

127 57.3 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

3.29

400000

300000

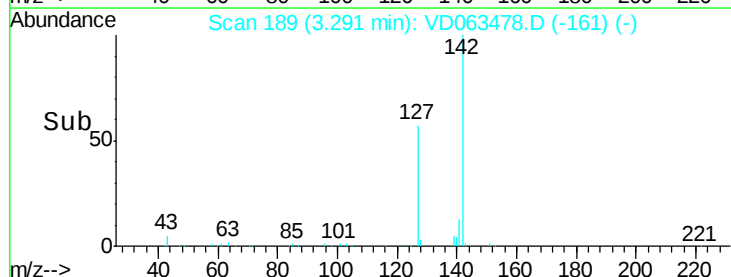
200000

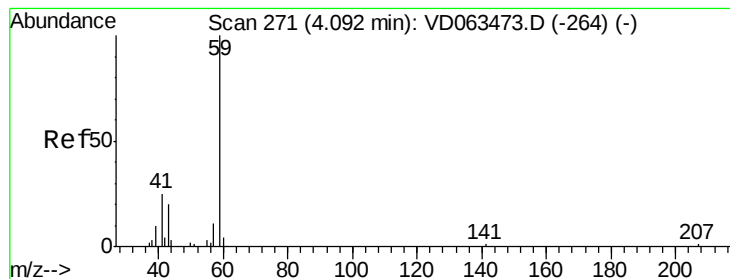
100000

0

3.20 3.40 3.60

Time-->



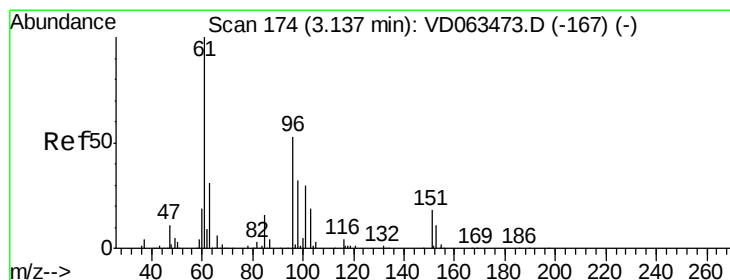
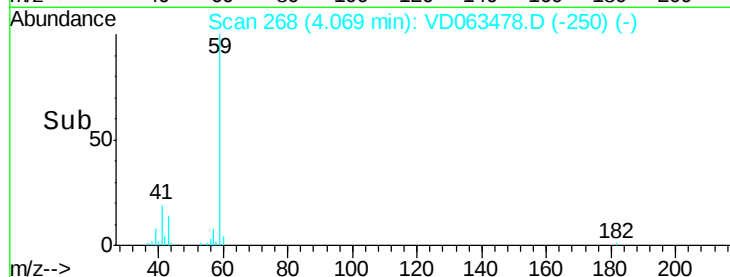
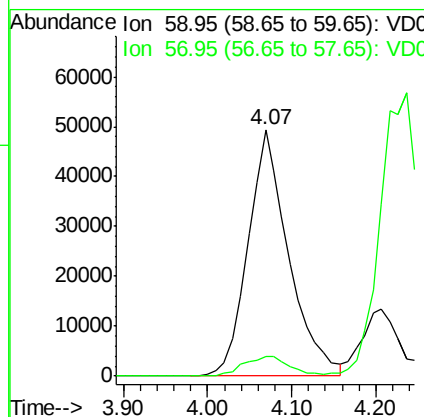
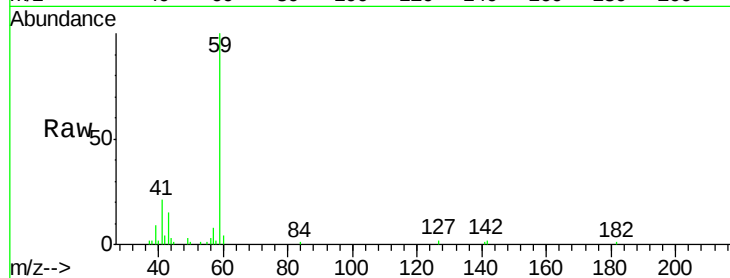


#11

Tert butyl alcohol
 Concen: 278.780 ug/l
 RT: 4.07 min Scan# 268
 Delta R.T. -0.02 min
 Lab File: VD063478.D
 Acq: 12 Aug 2019 10:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

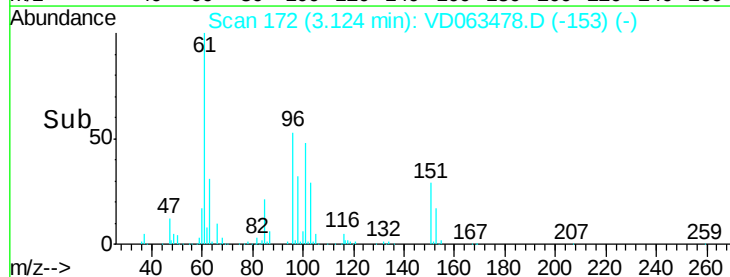
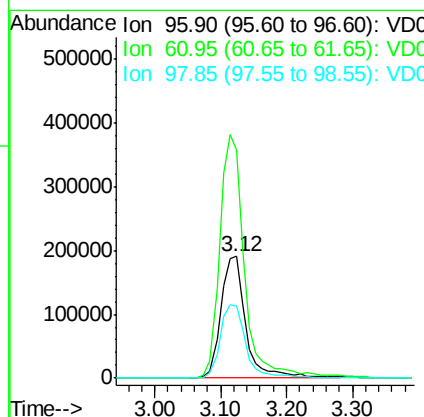
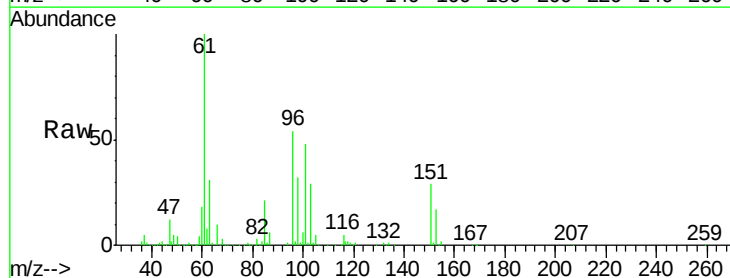
Tot Ion: 59 Resp: 166421
 Ion Ratio Lower Upper
 59 100
 57 8.0 8.7 13.1#

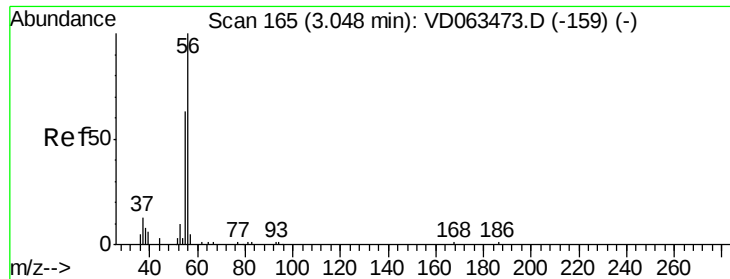


#12

1,1-Dichloroethene
 Concen: 48.779 ug/l
 RT: 3.12 min Scan# 172
 Delta R.T. -0.01 min
 Lab File: VD063478.D
 Acq: 12 Aug 2019 10:43

Tgt Ion: 96 Resp: 505660
 Ion Ratio Lower Upper
 96 100
 61 186.9 151.7 227.5
 98 59.6 48.4 72.6





#13

Acrolein

Concen: 306.480 ug/l

RT: 3.03 min Scan# 162

Delta R.T. -0.02 min

Lab File: VD063478.D

Acq: 12 Aug 2019 10:43

Instrument :

MSVOA_D

ClientSampleId :

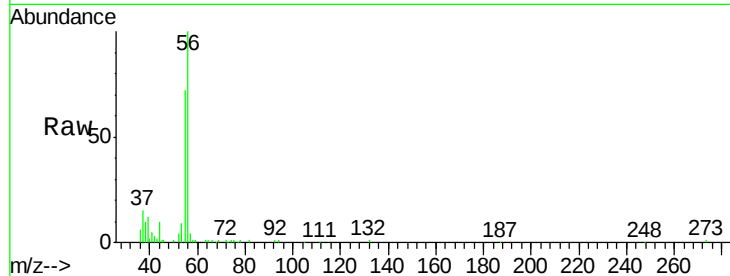
VSTDCCC050

Tot Ion: 56 Resp: 180087

Ion Ratio Lower Upper

56 100

55 71.9 51.3 76.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.03

80000

60000

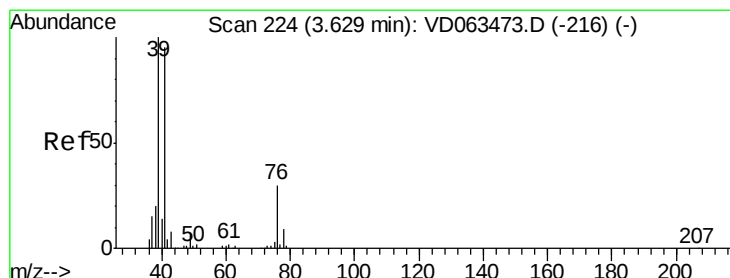
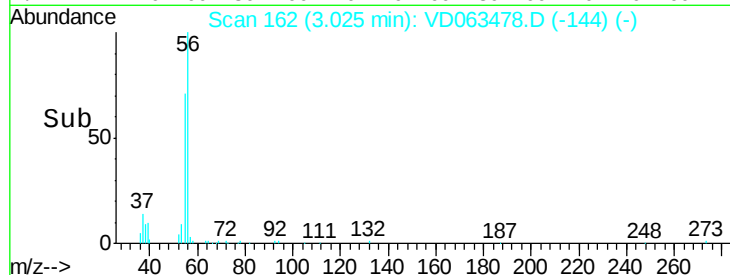
40000

20000

0

2.90 3.00 3.10 3.20

Time-->



#14

Allyl chloride

Concen: 49.940 ug/l

RT: 3.61 min Scan# 221

Delta R.T. -0.02 min

Lab File: VD063478.D

Acq: 12 Aug 2019 10:43

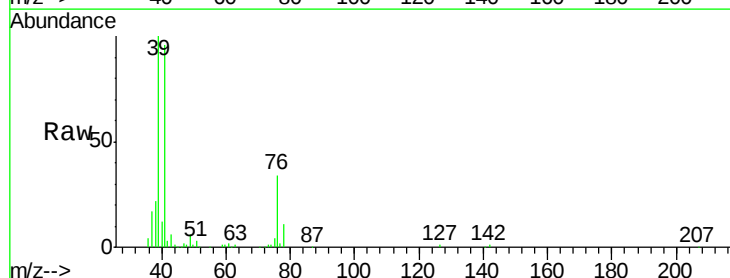
Tgt Ion: 41 Resp: 778243

Ion Ratio Lower Upper

41 100

39 103.8 84.2 126.4

76 35.8 26.0 39.0



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

400000

300000

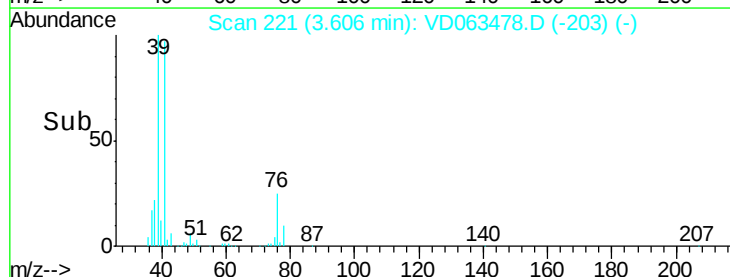
200000

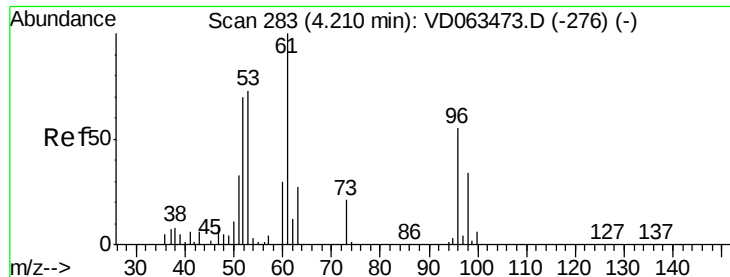
100000

0

3.50 3.60 3.70 3.80

Time-->





#15

Acrylonitrile

Concen: 250.455 ug/l

RT: 4.19 min Scan# 280

Delta R.T. -0.02 min

Lab File: VD063478.D

Acq: 12 Aug 2019 10:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

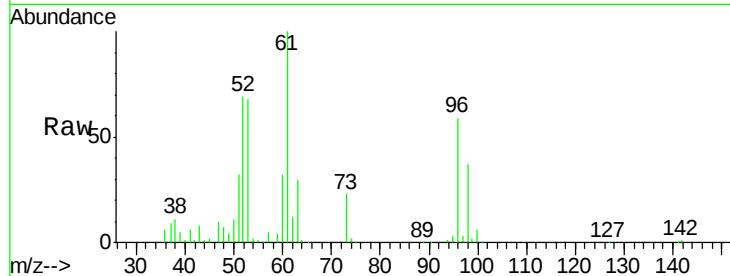
Tot Ion: 53 Resp: 396021

Ion Ratio Lower Upper

53 100

52 101.5 77.4 116.0

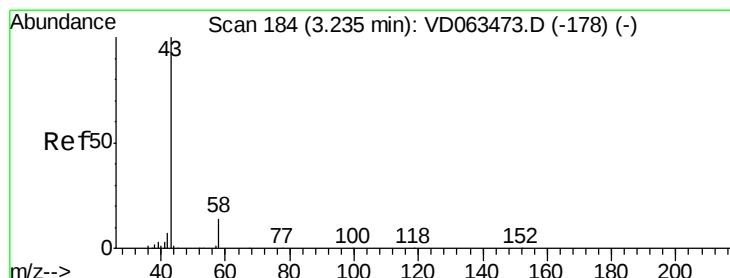
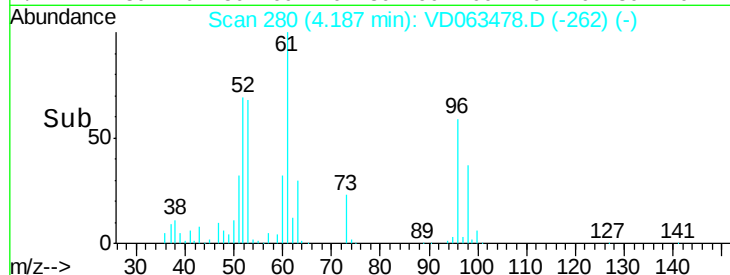
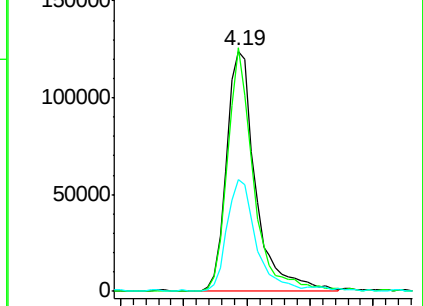
51 46.7 36.7 55.1



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: 301.690 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.02 min

Lab File: VD063478.D

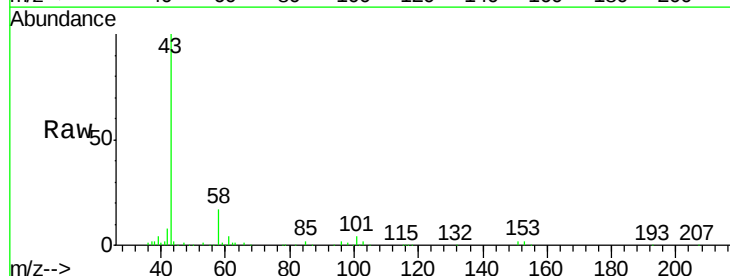
Acq: 12 Aug 2019 10:43

Tgt Ion: 43 Resp: 840994

Ion Ratio Lower Upper

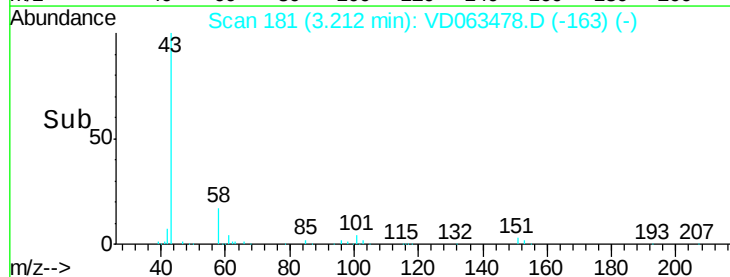
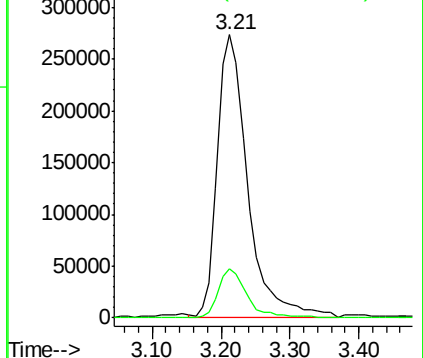
43 100

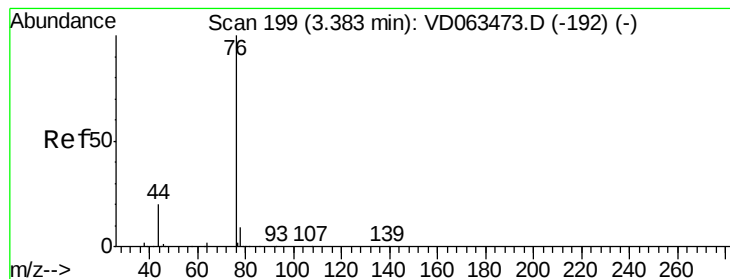
58 17.3 11.4 17.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 48.286 ug/l

RT: 3.36 min Scan# 196

Delta R.T. -0.02 min

Lab File: VD063478.D

Acq: 12 Aug 2019 10:43

Instrument :

MSVOA_D

ClientSampleId :

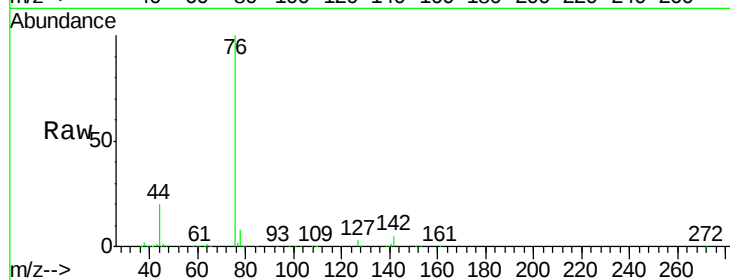
VSTDCCC050

Tot Ion: 76 Resp: 1579753

Ion Ratio Lower Upper

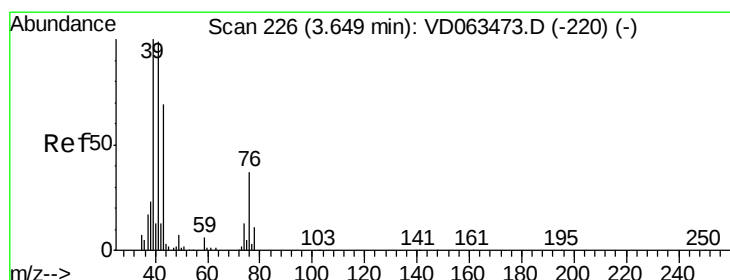
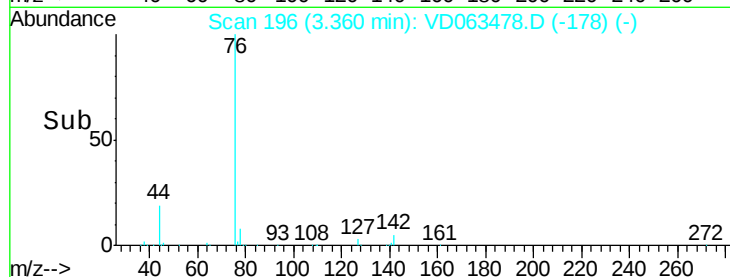
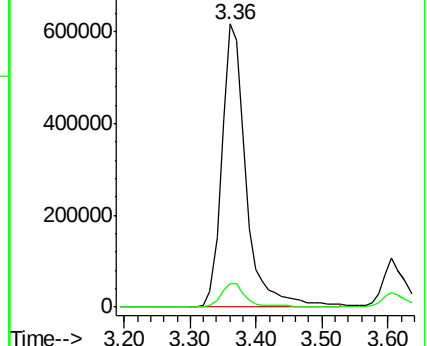
76 100

78 8.4 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: 44.573 ug/l

RT: 3.64 min Scan# 224

Delta R.T. -0.01 min

Lab File: VD063478.D

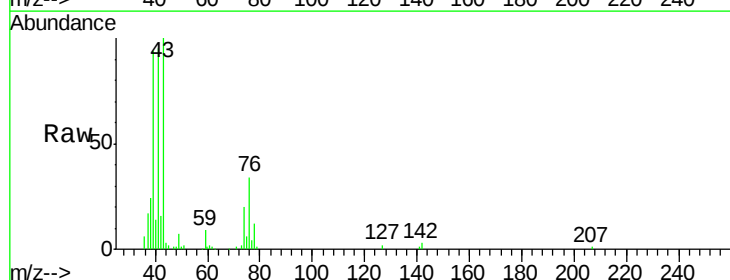
Acq: 12 Aug 2019 10:43

Tgt Ion: 43 Resp: 235353

Ion Ratio Lower Upper

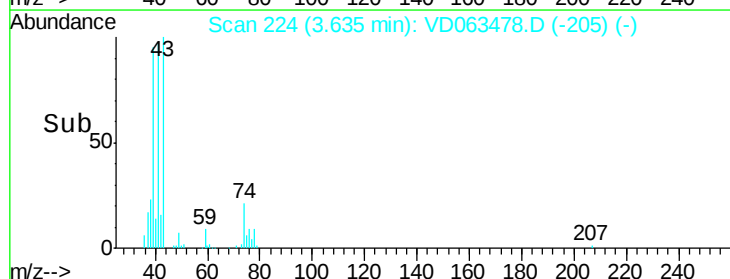
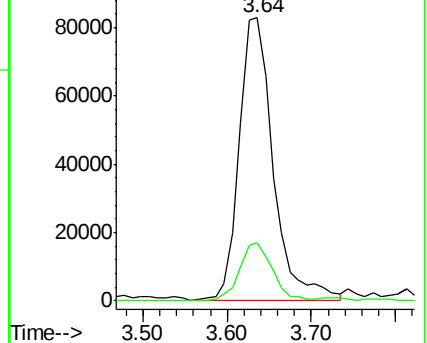
43 100

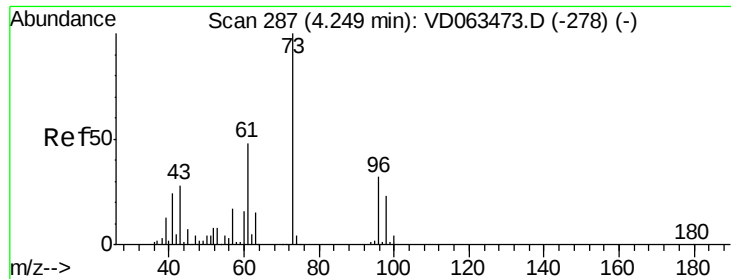
74 20.4 15.4 23.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

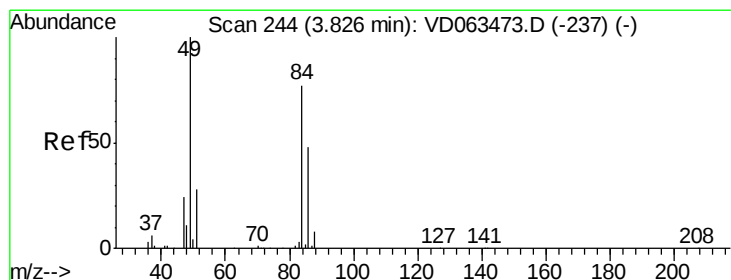
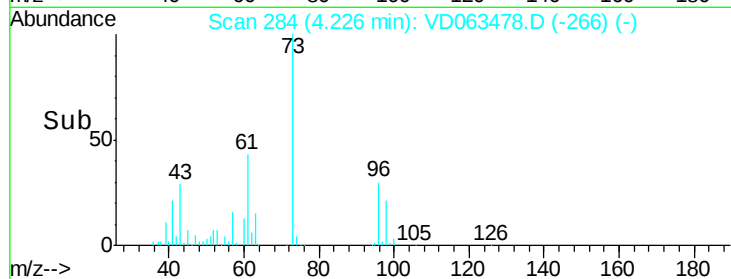
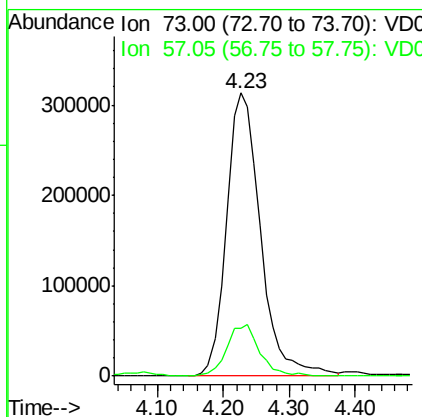
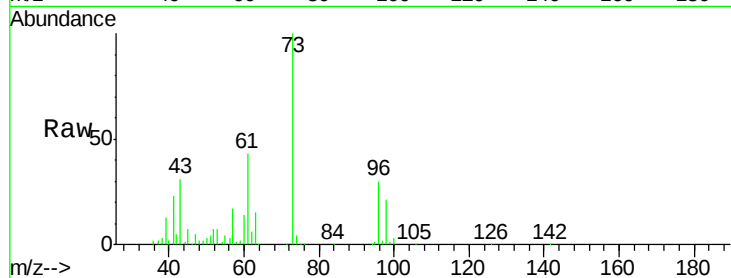




#19
Methvl tert-butvl Ether
Concen: 54.784 ug/l
RT: 4.23 min Scan# 284
Delta R.T. -0.02 min
Lab File: VD063478.D
Acq: 12 Aug 2019 10:43

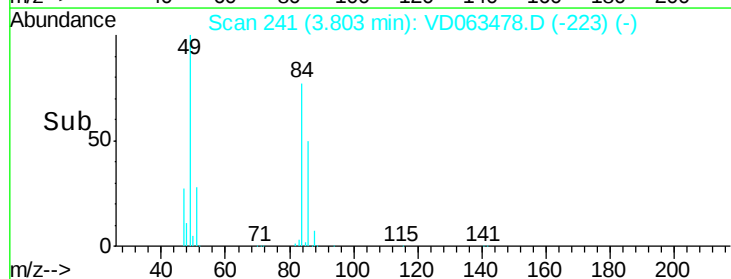
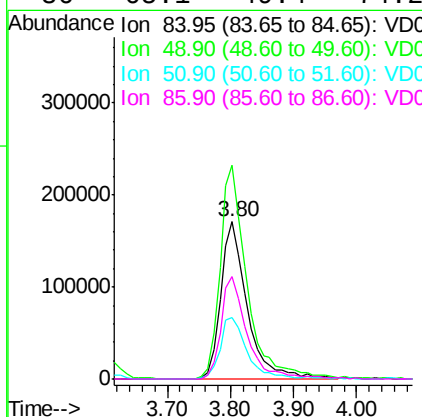
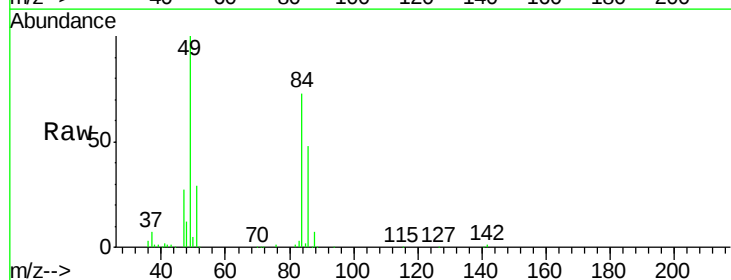
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

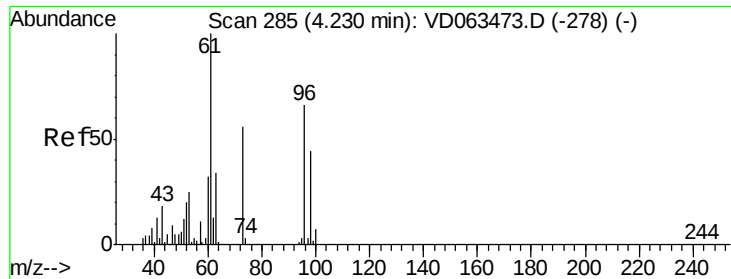
Tot Ion: 73 Resp: 1135756
Ion Ratio Lower Upper
73 100
57 16.7 14.0 21.0



#20
Methylene Chloride
Concen: 41.472 ug/l
RT: 3.80 min Scan# 241
Delta R.T. -0.02 min
Lab File: VD063478.D
Acq: 12 Aug 2019 10:43

Tgt Ion: 84 Resp: 499906
Ion Ratio Lower Upper
84 100
49 136.1 103.4 155.2
51 39.4 28.5 42.7
86 65.1 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 52.376 ug/l

RT: 4.21 min Scan# 282

Delta R.T. -0.02 min

Lab File: VD063478.D

Acq: 12 Aug 2019 10:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

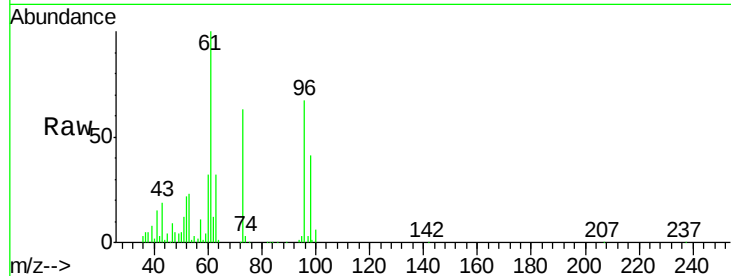
Tot Ion: 96 Resp: 571357

Ion Ratio Lower Upper

96 100

61 148.9 121.7 182.5

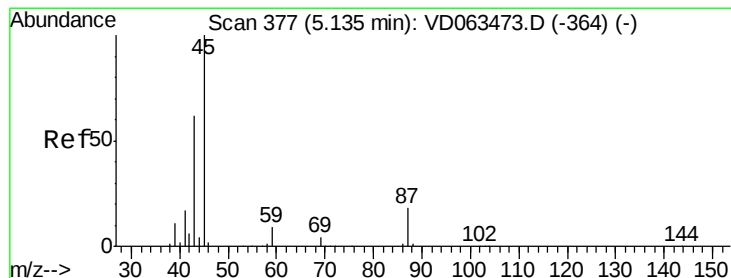
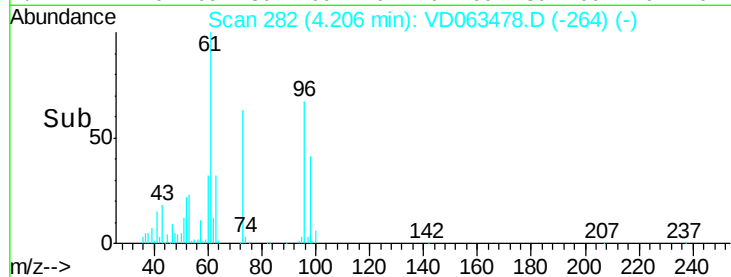
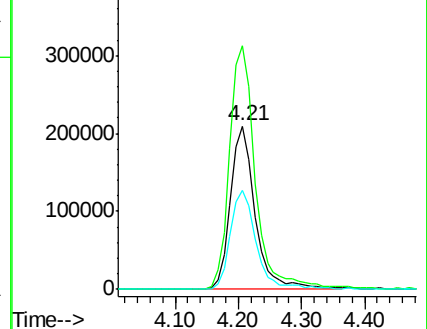
98 60.7 54.2 81.2



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: 47.111 ug/l

RT: 5.11 min Scan# 374

Delta R.T. -0.02 min

Lab File: VD063478.D

Acq: 12 Aug 2019 10:43

Tgt Ion: 45 Resp: 1514949

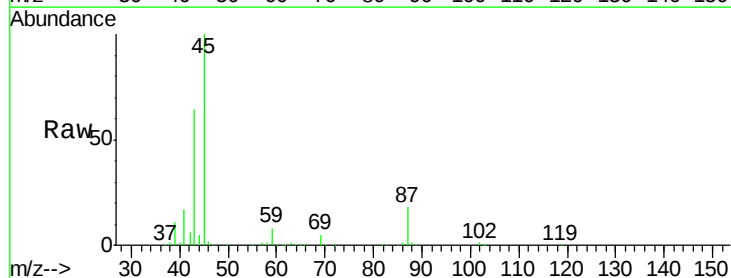
Ion Ratio Lower Upper

45 100

43 63.5 50.3 75.5

87 17.9 14.3 21.5

59 8.3 7.7 11.5

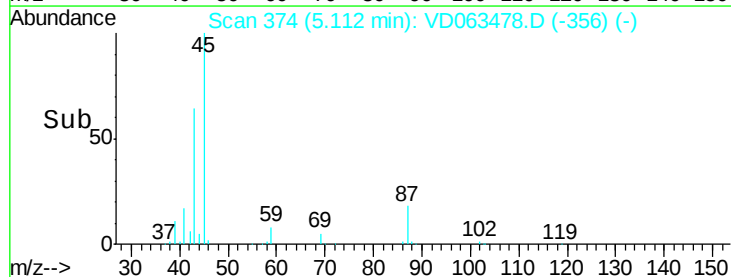
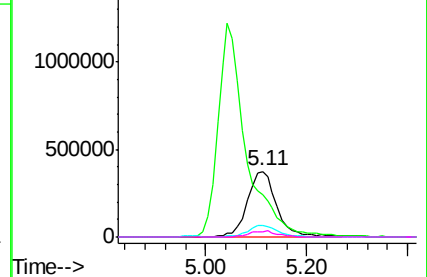


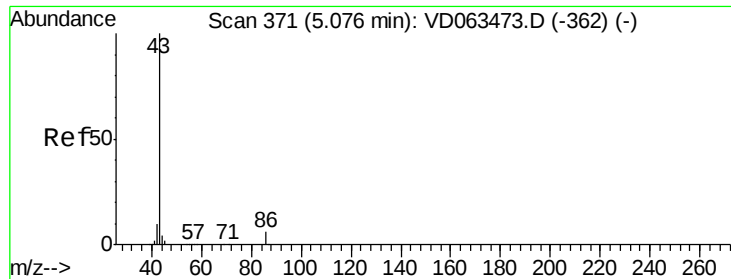
Abundance Ion 45.05 (44.75 to 45.75): VDC

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

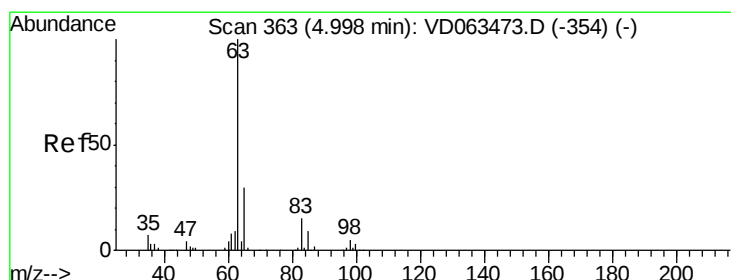
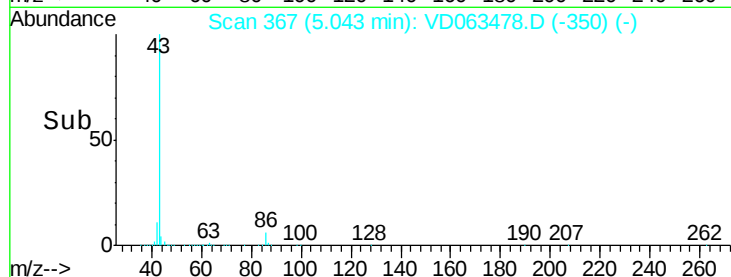
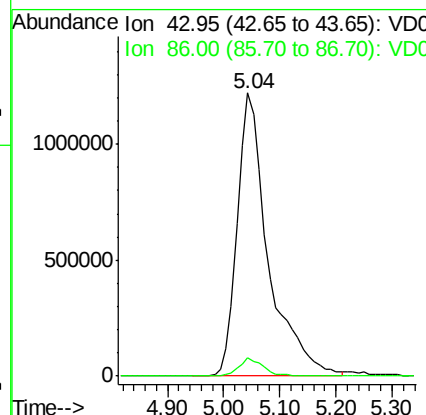
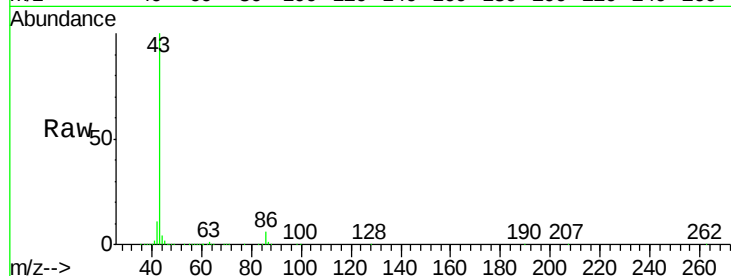




#23
 Vinyl Acetate
 Concen: 251.283 ug/l
 RT: 5.04 min Scan# 367
 Delta R.T. -0.03 min
 Lab File: VD063478.D
 Acq: 12 Aug 2019 10:43

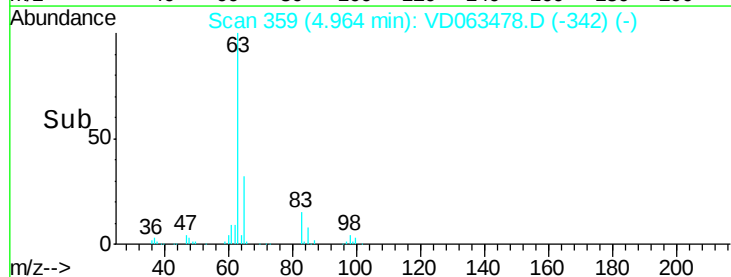
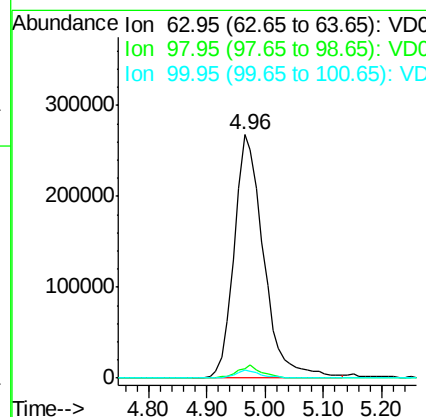
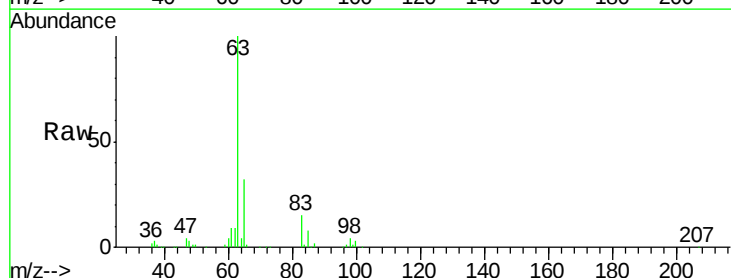
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 4697652
 Ion Ratio Lower Upper
 43 100
 86 6.5 4.8 7.2



#24
 1,1-Dichloroethane
 Concen: 47.278 ug/l
 RT: 4.96 min Scan# 359
 Delta R.T. -0.03 min
 Lab File: VD063478.D
 Acq: 12 Aug 2019 10:43

Tgt Ion: 63 Resp: 942950
 Ion Ratio Lower Upper
 63 100
 98 3.9 2.4 7.2
 100 3.3 1.3 3.8





#25

2-Butanone

Concen: 266.957 ug/l

RT: 6.06 min Scan# 470

Delta R.T. -0.03 min

Lab File: VD063478.D

Acq: 12 Aug 2019 10:43

Instrument :

MSVOA_D

ClientSampleId :

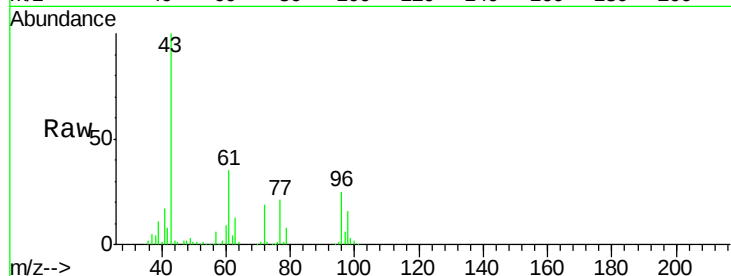
VSTDCCC050

Tot Ion: 43 Resp: 734971

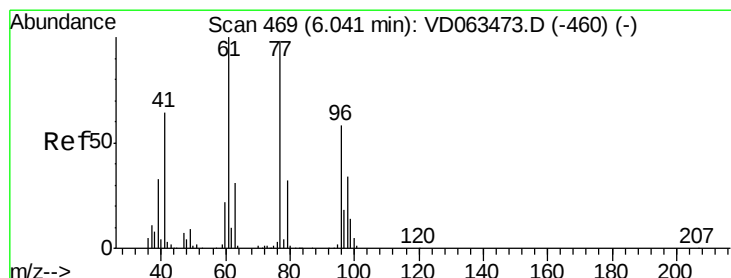
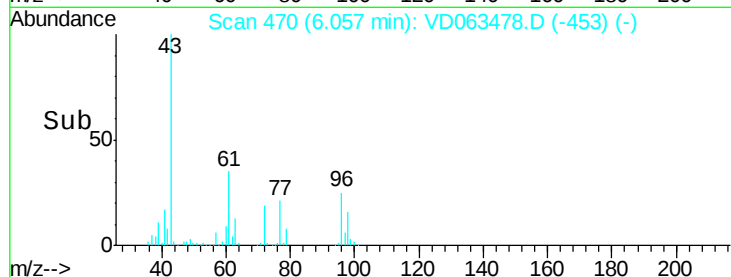
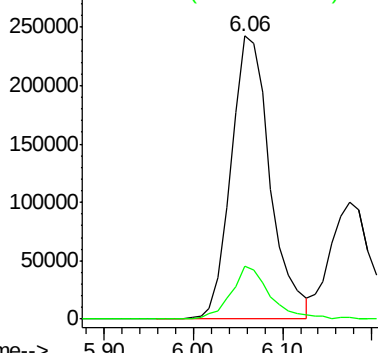
Ion Ratio Lower Upper

43 100

72 18.9 15.1 22.7



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 53.335 ug/l

RT: 6.01 min Scan# 465

Delta R.T. -0.03 min

Lab File: VD063478.D

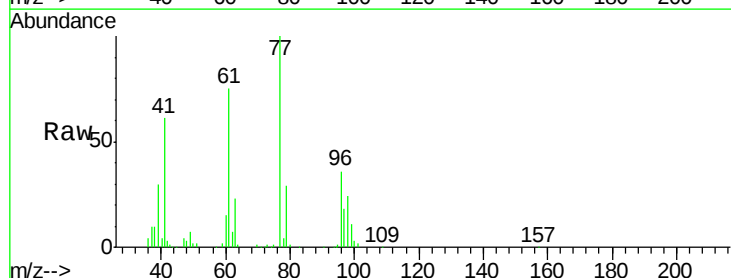
Acq: 12 Aug 2019 10:43

Tgt Ion: 77 Resp: 1059539

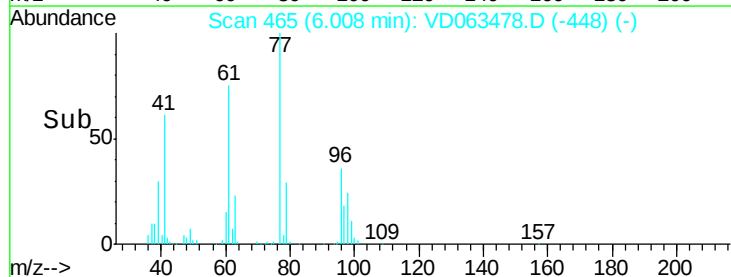
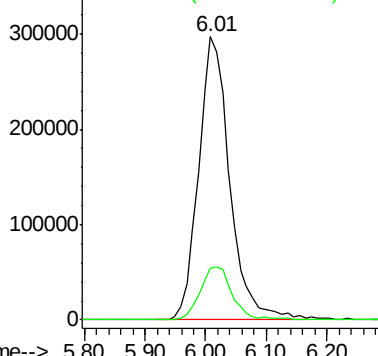
Ion Ratio Lower Upper

77 100

97 18.1 9.0 27.1



Abundance Ion 76.95 (76.65 to 77.65): VDC
Ion 96.85 (96.55 to 97.55): VDC



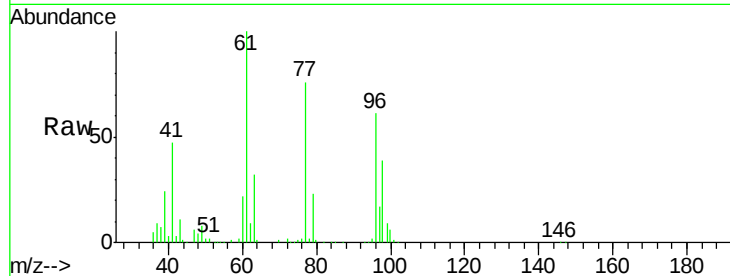


#27

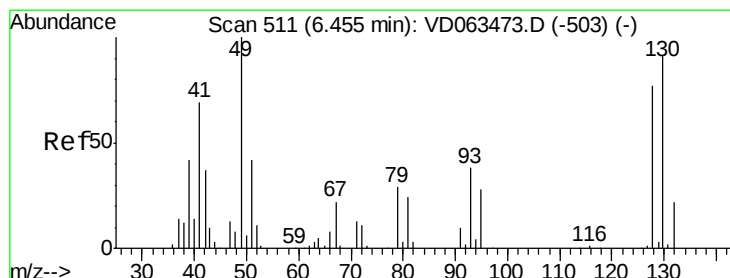
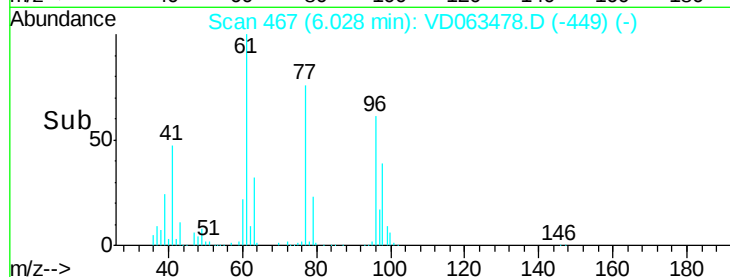
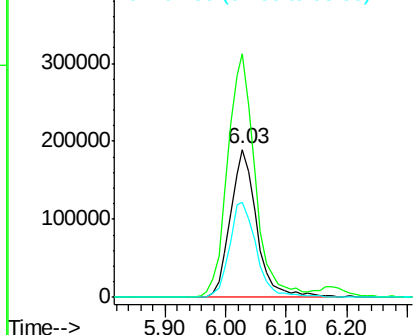
cis-1,2-Dichloroethene
Concen: 47.971 ug/l
RT: 6.03 min Scan# 467
Delta R.T. -0.02 min
Lab File: VD063478.D
Acq: 12 Aug 2019 10:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 96 Resp: 572535
Ion Ratio Lower Upper
96 100
61 164.4 0.0 304.0
98 64.3 0.0 124.8



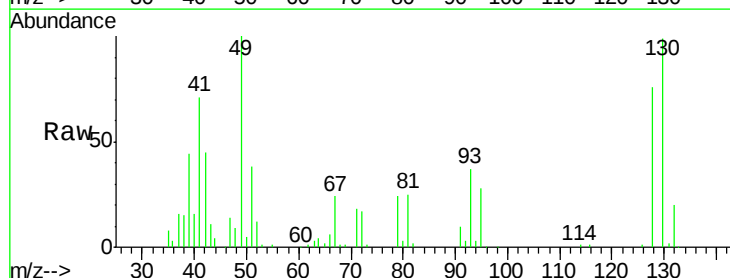
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



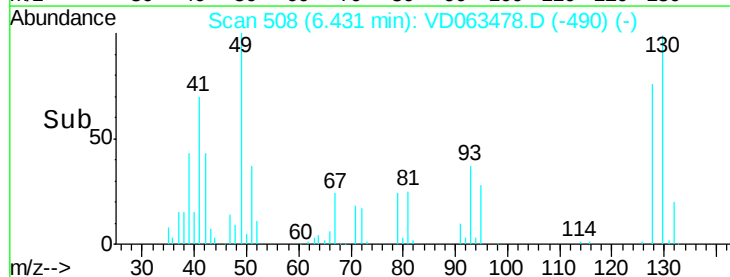
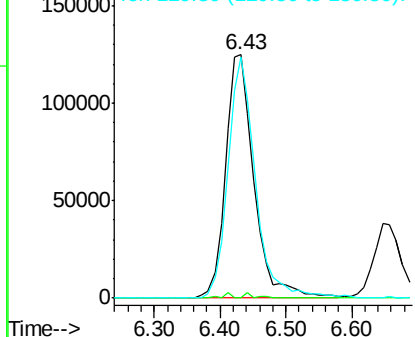
#28

Bromochloromethane
Concen: 46.582 ug/l
RT: 6.43 min Scan# 508
Delta R.T. -0.02 min
Lab File: VD063478.D
Acq: 12 Aug 2019 10:43

Tgt Ion: 49 Resp: 376544
Ion Ratio Lower Upper
49 100
129 0.0 0.0 6.4
130 99.3 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: 235.591 ug/l

RT: 6.45 min Scan# 510

Delta R.T. -0.02 min

Lab File: VD063478.D

Acq: 12 Aug 2019 10:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

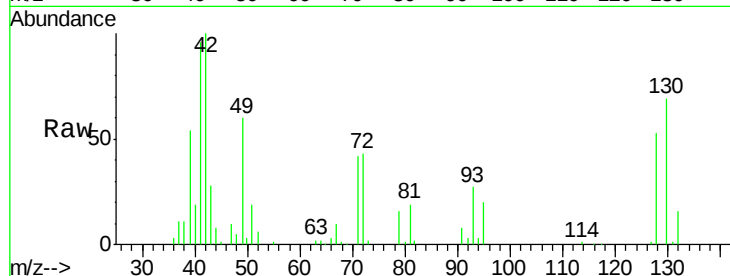
Tot Ion: 42 Resp: 302239

Ion Ratio Lower Upper

42 100

72 44.1 31.5 47.3

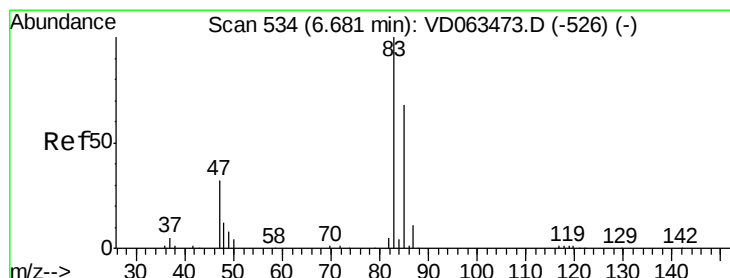
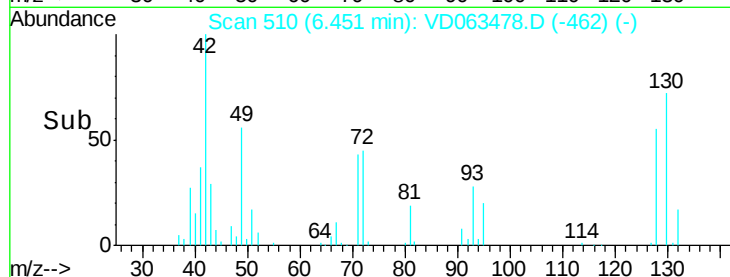
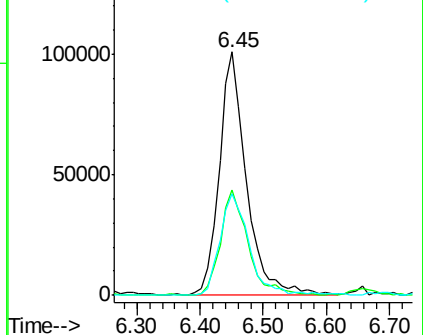
71 44.4 33.8 50.8



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 47.898 ug/l

RT: 6.66 min Scan# 531

Delta R.T. -0.02 min

Lab File: VD063478.D

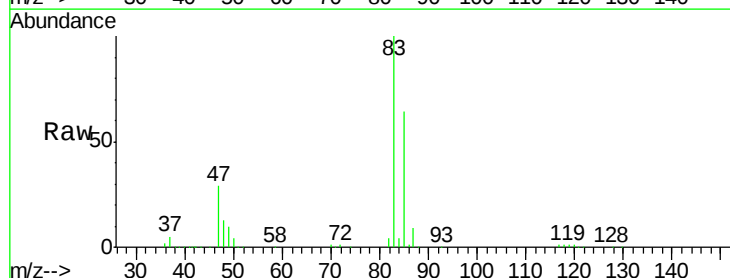
Acq: 12 Aug 2019 10:43

Tgt Ion: 83 Resp: 1187452

Ion Ratio Lower Upper

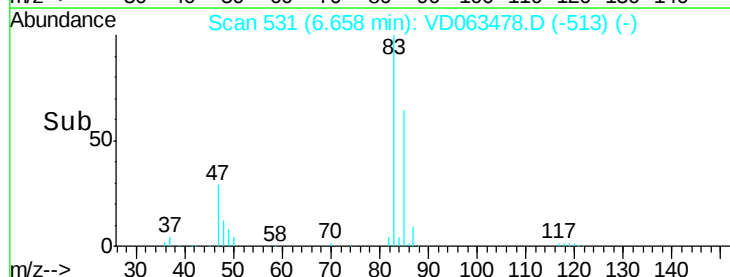
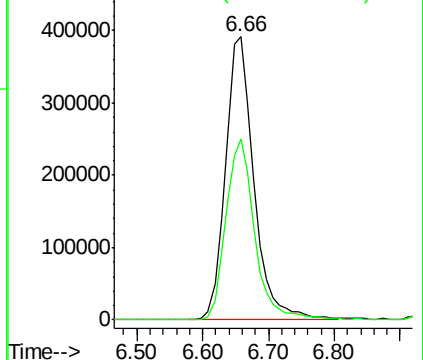
83 100

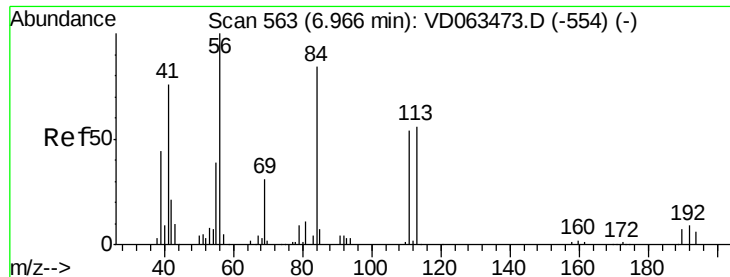
85 63.7 54.8 82.2



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

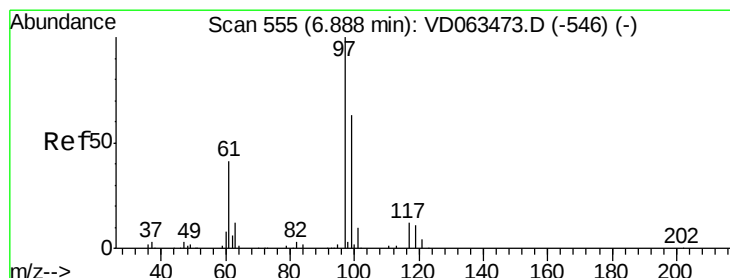
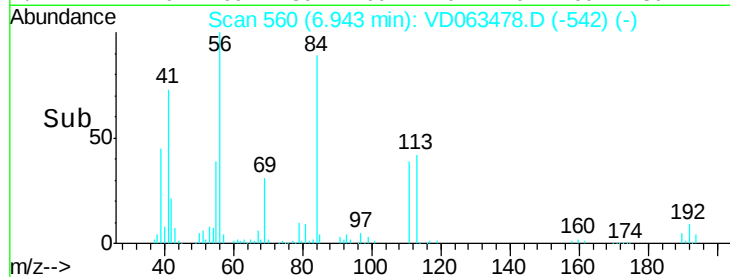
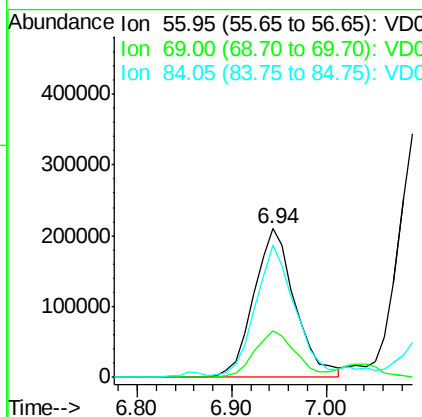
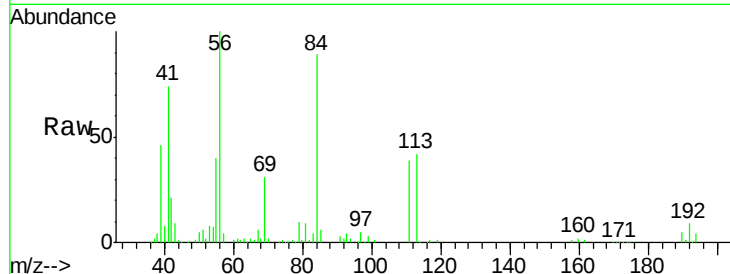




#31
Cyclohexane
Concen: 51.185 ug/l
RT: 6.94 min Scan# 560
Delta R.T. -0.02 min
Lab File: VD063478.D
Acq: 12 Aug 2019 10:43

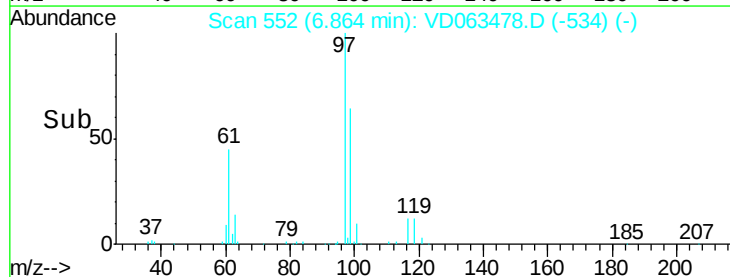
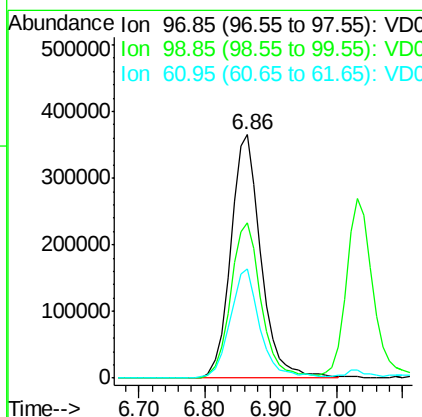
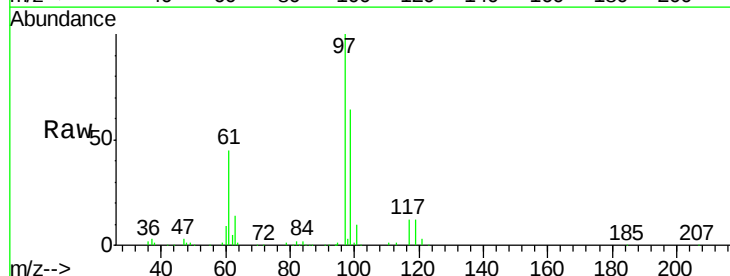
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

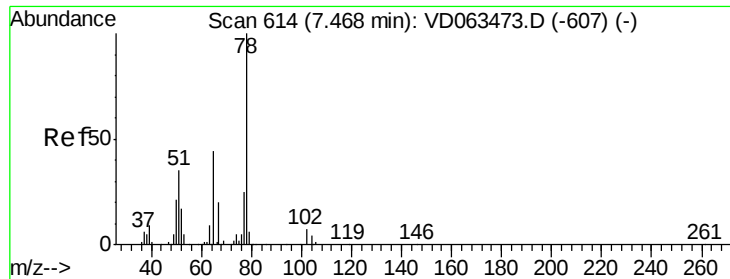
Tot Ion: 56 Resp: 633767
Ion Ratio Lower Upper
56 100
69 31.4 25.0 37.6
84 88.7 69.7 104.5



#32
1,1,1-Trichloroethane
Concen: 49.387 ug/l
RT: 6.86 min Scan# 552
Delta R.T. -0.02 min
Lab File: VD063478.D
Acq: 12 Aug 2019 10:43

Tgt Ion: 97 Resp: 1171192
Ion Ratio Lower Upper
97 100
99 63.6 50.2 75.4
61 44.8 33.1 49.7

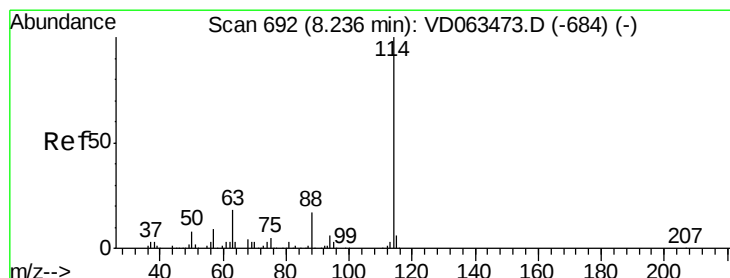
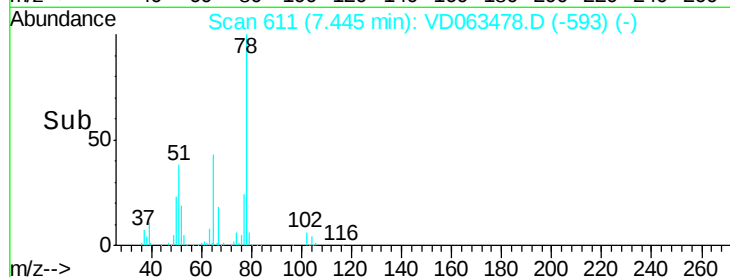
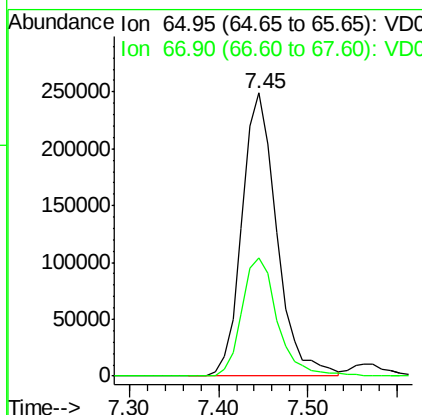
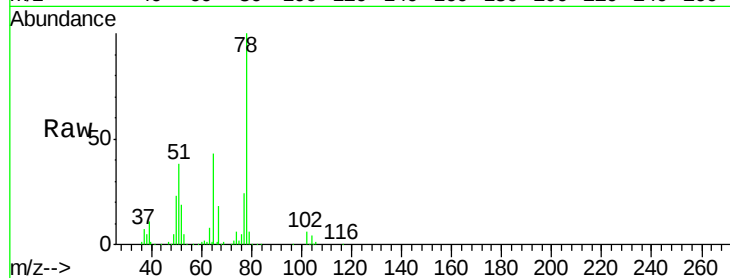




#33
 1,2-Dichloroethane-d4
 Concen: 49.094 ug/l
 RT: 7.45 min Scan# 611
 Delta R.T. -0.02 min
 Lab File: VD063478.D
 Acq: 12 Aug 2019 10:43

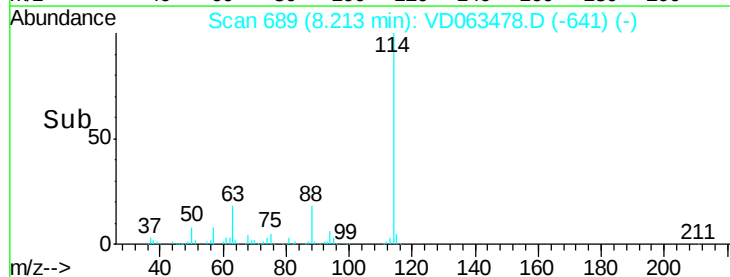
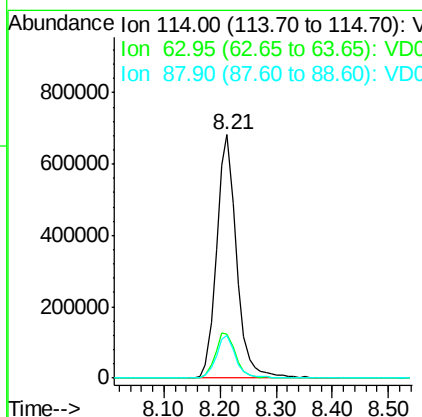
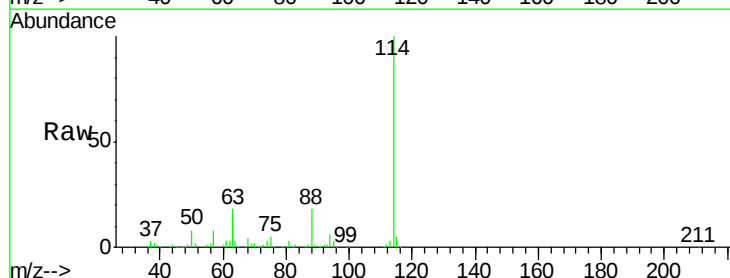
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

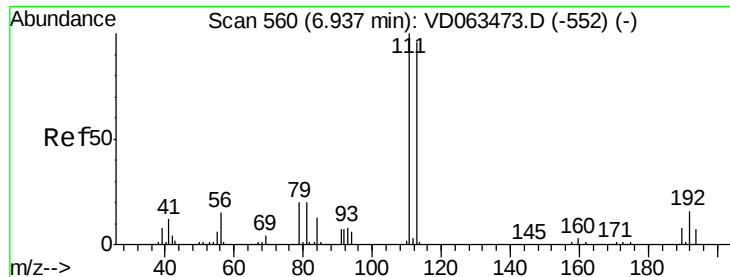
Tot Ion: 65 Resp: 673227
 Ion Ratio Lower Upper
 65 100
 67 41.9 0.0 89.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. -0.02 min
 Lab File: VD063478.D
 Acq: 12 Aug 2019 10:43

Tgt Ion: 114 Resp: 1697861
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 36.2
 88 17.6 0.0 35.0





#35

Dibromofluoromethane

Concen: 52.447 ug/l

RT: 6.91 min Scan# 557

Delta R.T. -0.02 min

Lab File: VD063478.D

Acq: 12 Aug 2019 10:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

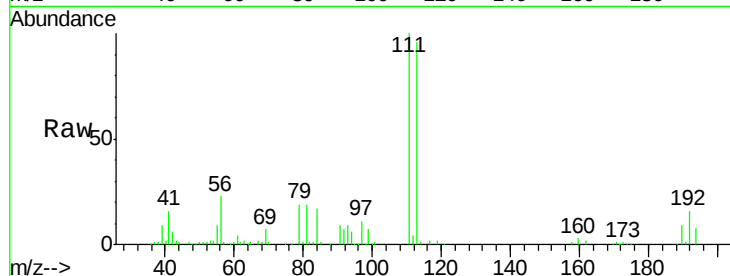
Tot Ion:113 Resp: 749962

Ion Ratio Lower Upper

113 100

111 104.6 83.1 124.7

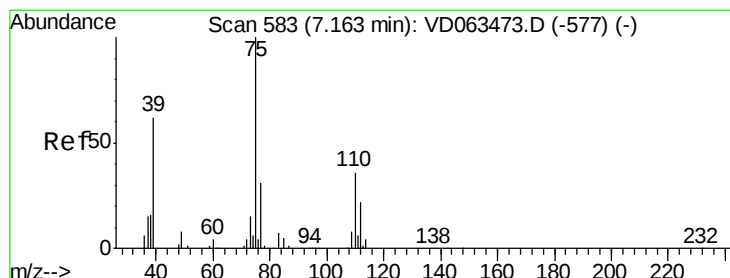
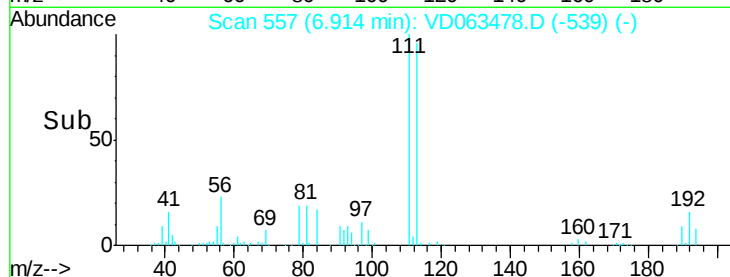
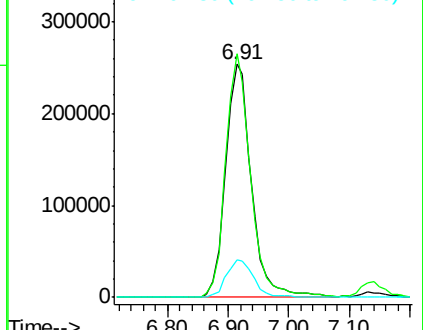
192 16.3 13.1 19.7



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: 53.885 ug/l

RT: 7.14 min Scan# 580

Delta R.T. -0.02 min

Lab File: VD063478.D

Acq: 12 Aug 2019 10:43

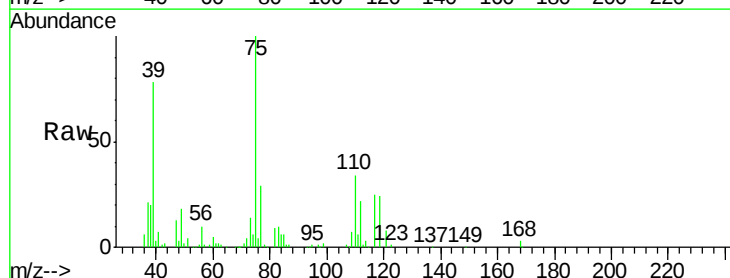
Tgt Ion: 75 Resp: 808789

Ion Ratio Lower Upper

75 100

110 33.8 17.6 52.8

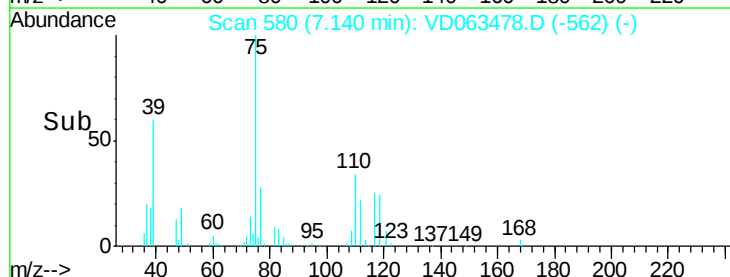
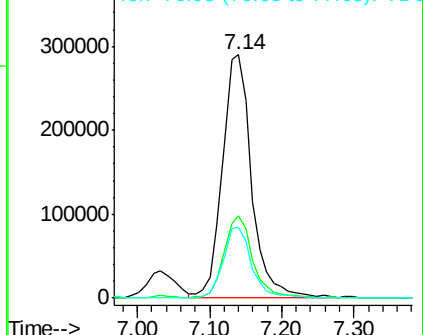
77 29.1 24.3 36.5



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

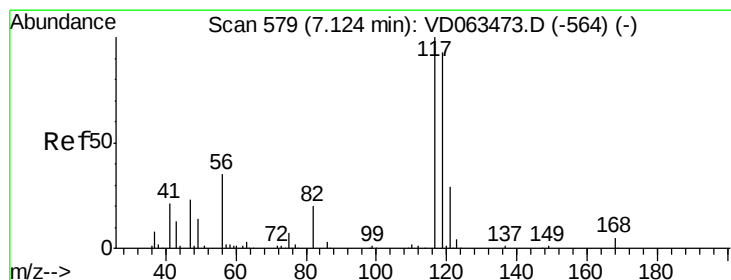
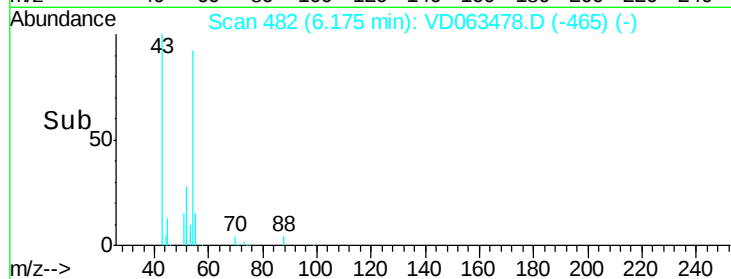
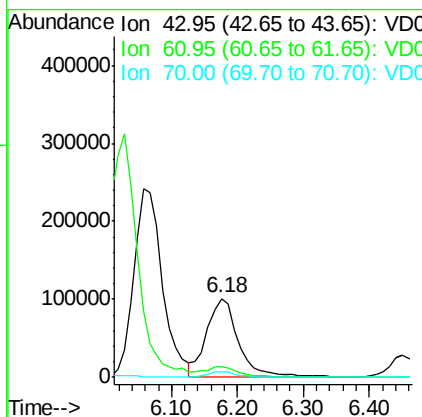
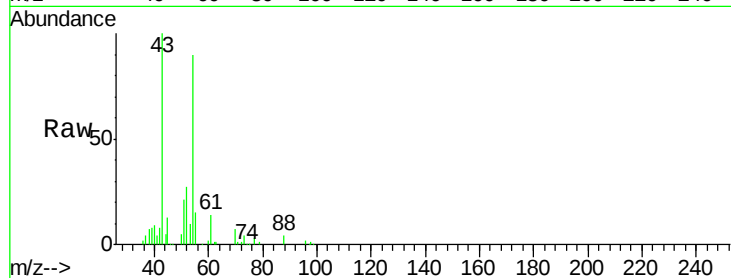




#37
Ethyl Acetate
Concen: 51.724 ug/l
RT: 6.18 min Scan# 482
Delta R.T. -0.03 min
Lab File: VD063478.D
Acq: 12 Aug 2019 10:43

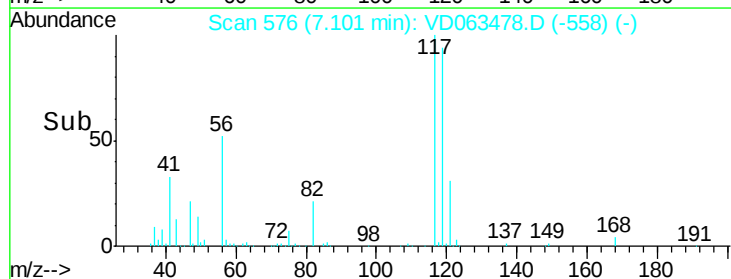
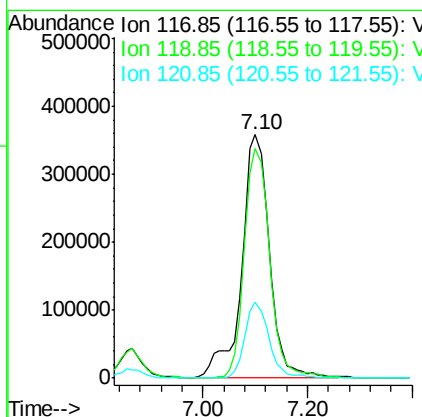
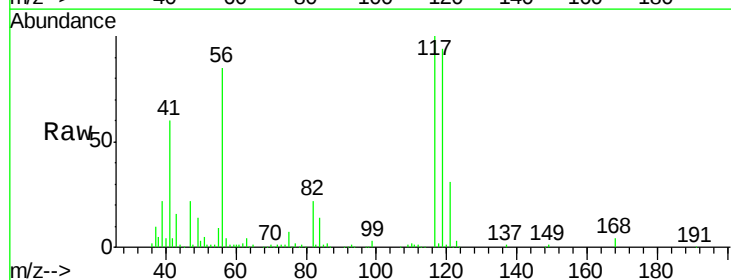
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

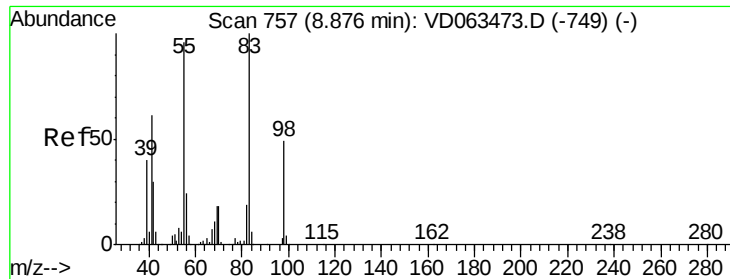
Tot Ion: 43 Resp: 325314
Ion Ratio Lower Upper
43 100
61 14.1 9.0 13.6#
70 7.1 6.9 10.3



#38
Carbon Tetrachloride
Concen: 56.932 ug/l
RT: 7.10 min Scan# 576
Delta R.T. -0.02 min
Lab File: VD063478.D
Acq: 12 Aug 2019 10:43

Tgt Ion: 117 Resp: 1287860
Ion Ratio Lower Upper
117 100
119 94.1 74.2 111.2
121 31.2 23.1 34.7

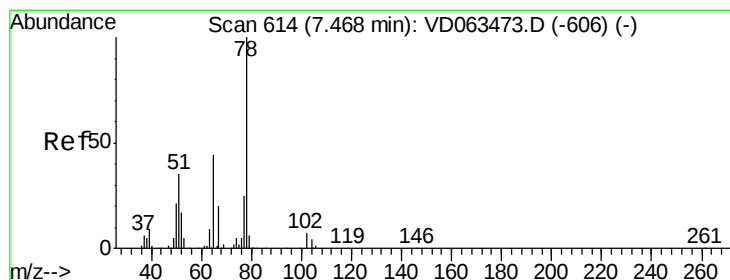
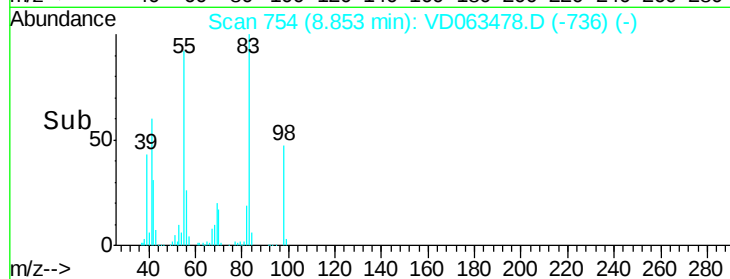
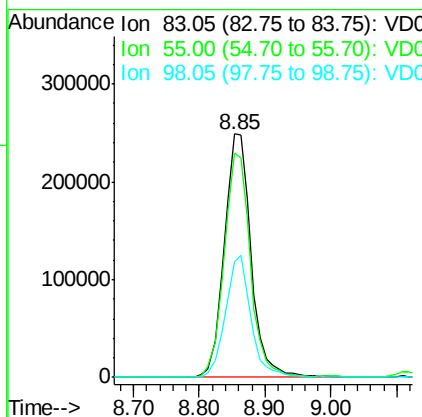
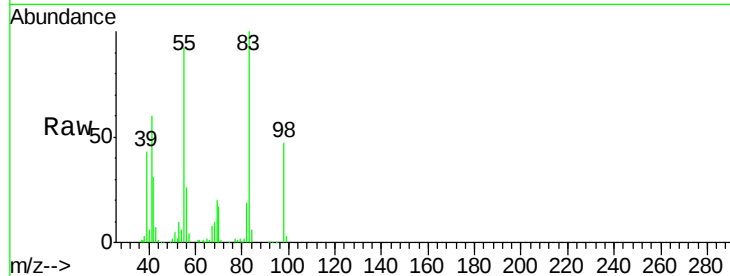




#39
Methvlcvclohexane
Concen: 55.620 ug/l
RT: 8.85 min Scan# 754
Delta R.T. -0.02 min
Lab File: VD063478.D
Acq: 12 Aug 2019 10:43

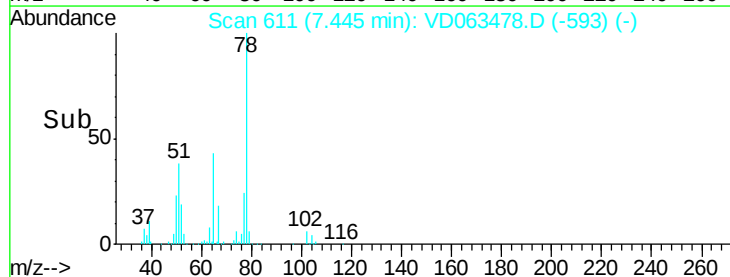
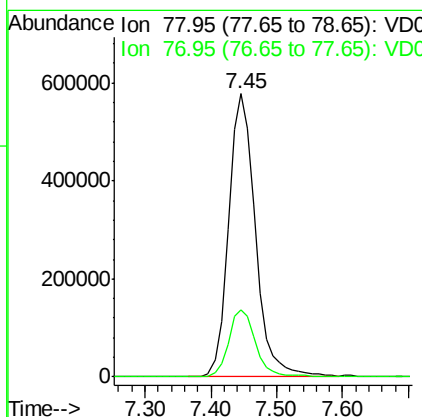
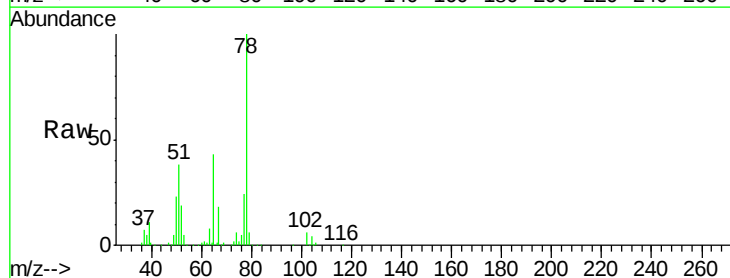
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

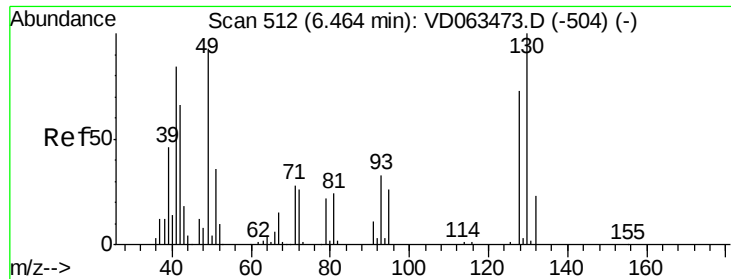
Tot Ion: 83 Resp: 709886
Ion Ratio Lower Upper
83 100
55 92.4 76.6 114.8
98 47.2 39.4 59.0



#40
Benzene
Concen: 49.956 ug/l
RT: 7.45 min Scan# 611
Delta R.T. -0.02 min
Lab File: VD063478.D
Acq: 12 Aug 2019 10:43

Tgt Ion: 78 Resp: 1650085
Ion Ratio Lower Upper
78 100
77 23.8 20.1 30.1

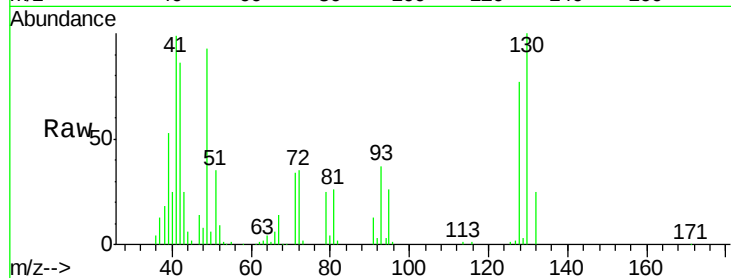




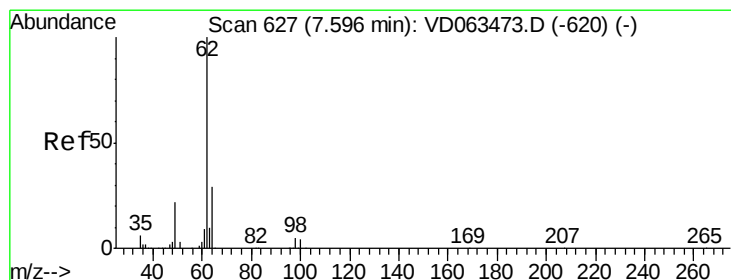
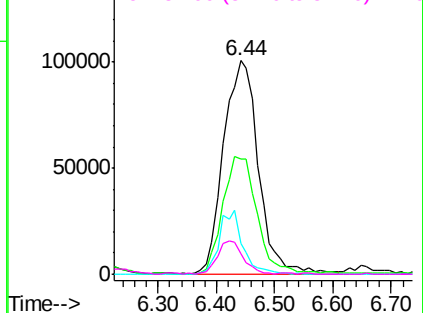
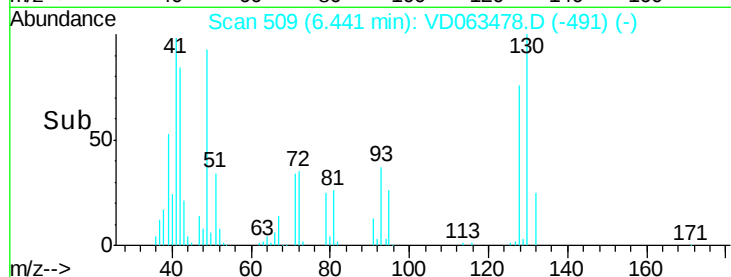
#41
Methacrylonitrile
Concen: 52.930 ug/l
RT: 6.44 min Scan# 509
Delta R.T. -0.02 min
Lab File: VD063478.D
Acq: 12 Aug 2019 10:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	419154
Ion	Ratio	Lower	Upper
41	100		
39	54.1	44.6	66.8
67	14.1	14.4	21.6#
52	9.5	9.3	13.9

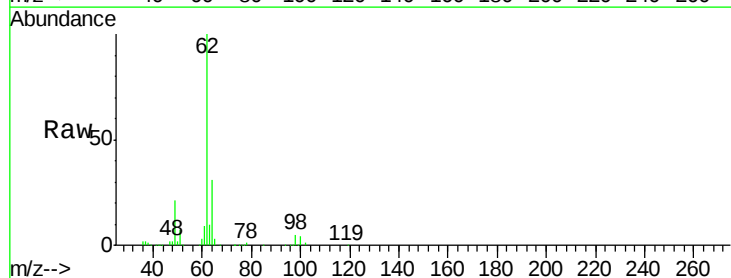


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

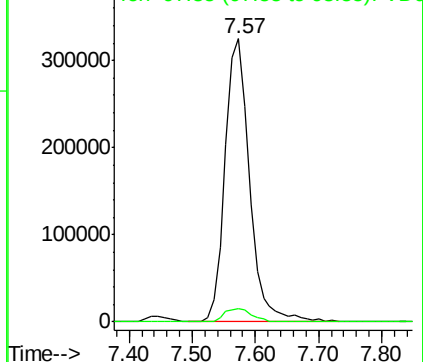
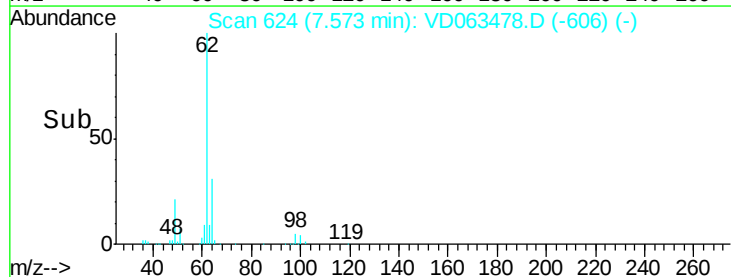


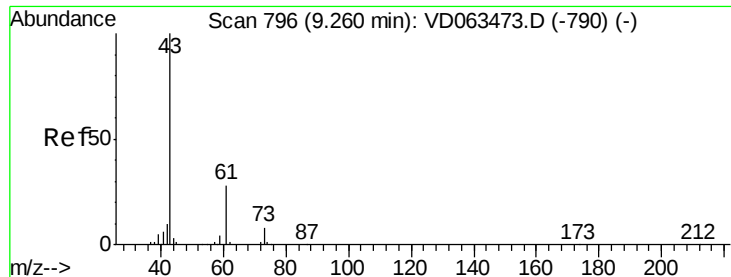
#42
1,2-Dichloroethane
Concen: 52.857 ug/l
RT: 7.57 min Scan# 624
Delta R.T. -0.02 min
Lab File: VD063478.D
Acq: 12 Aug 2019 10:43

Tgt Ion:	62	Resp:	877886
Ion	Ratio	Lower	Upper
62	100		
98	4.8	0.0	10.4



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



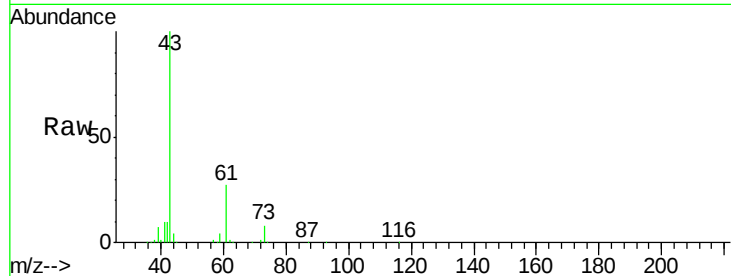


#43

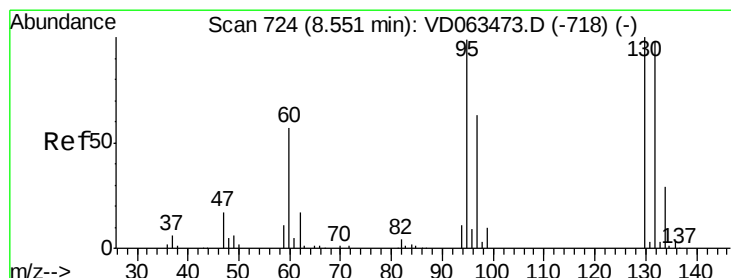
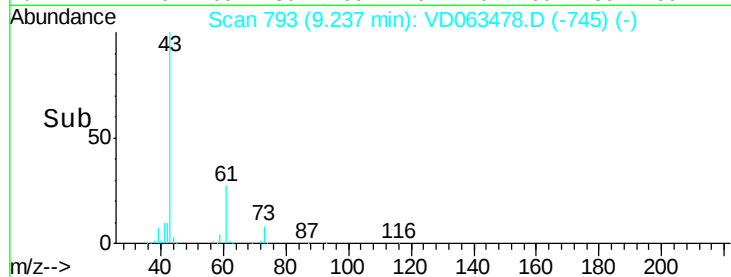
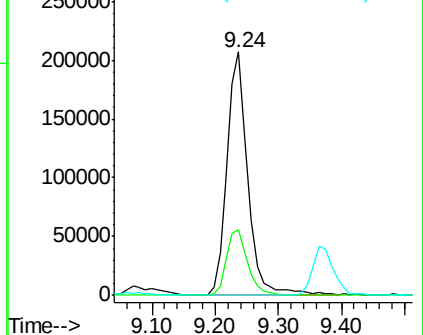
Isopropyl Acetate
 Concen: 55.326 ug/l
 RT: 9.24 min Scan# 793
 Delta R.T. -0.02 min
 Lab File: VD063478.D
 Acq: 12 Aug 2019 10:43

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050

Tot Ion: 43 Resp: 466041
 Ion Ratio Lower Upper
 43 100
 61 26.8 22.2 33.2
 87 0.4 0.2 0.4#



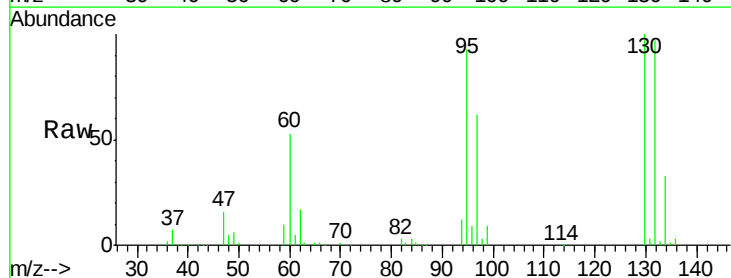
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



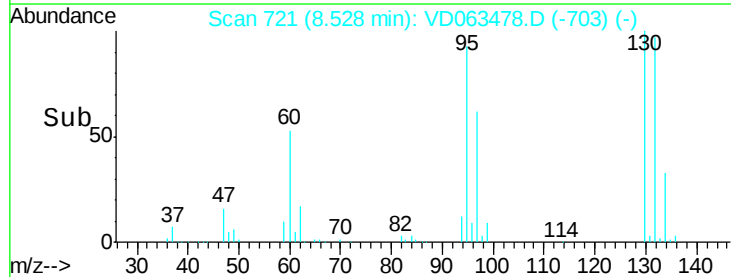
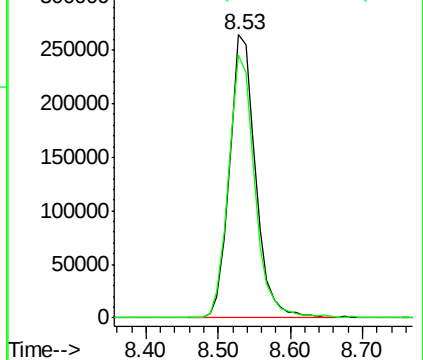
#44

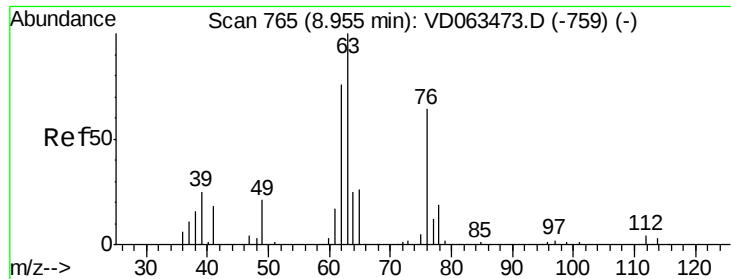
Trichloroethene
 Concen: 52.740 ug/l
 RT: 8.53 min Scan# 721
 Delta R.T. -0.02 min
 Lab File: VD063478.D
 Acq: 12 Aug 2019 10:43

Tgt Ion: 130 Resp: 665843
 Ion Ratio Lower Upper
 130 100
 95 92.9 0.0 198.0



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





#45

1,2-Dichloropropane

Concen: 53.942 ug/l

RT: 8.93 min Scan# 762

Delta R.T. -0.02 min

Lab File: VD063478.D

Acq: 12 Aug 2019 10:43

Instrument :

MSVOA_D

ClientSampleId :

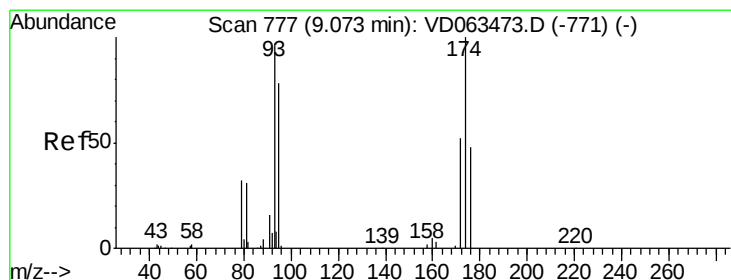
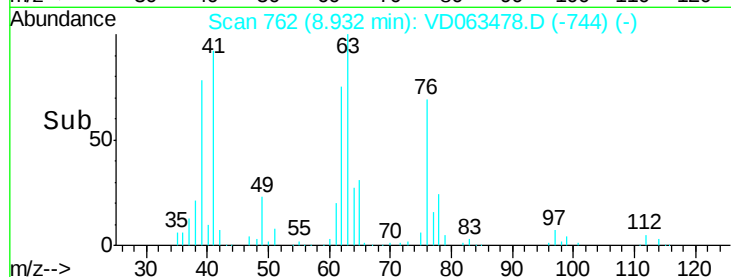
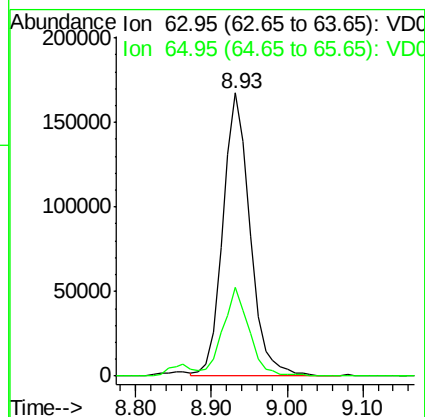
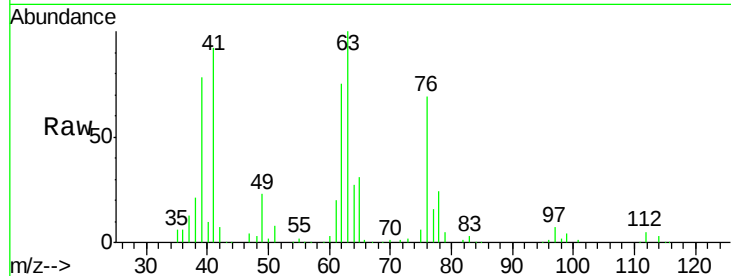
VSTDCCC050

Tot Ion: 63 Resp: 414925

Ion Ratio Lower Upper

63 100

65 31.2 22.5 33.7



#46

Dibromomethane

Concen: 49.632 ug/l

RT: 9.06 min Scan# 775

Delta R.T. -0.01 min

Lab File: VD063478.D

Acq: 12 Aug 2019 10:43

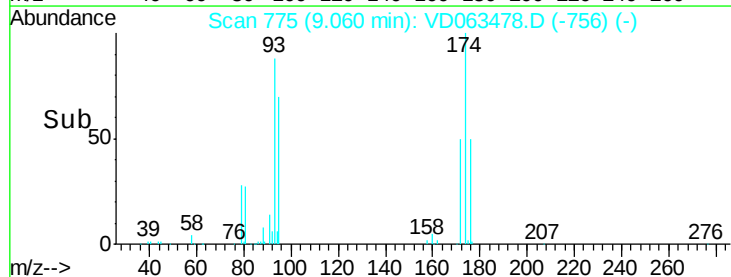
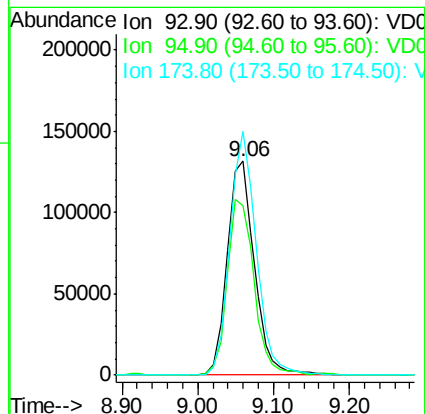
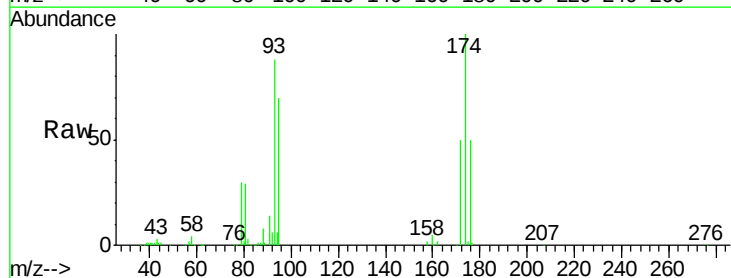
Tgt Ion: 93 Resp: 326028

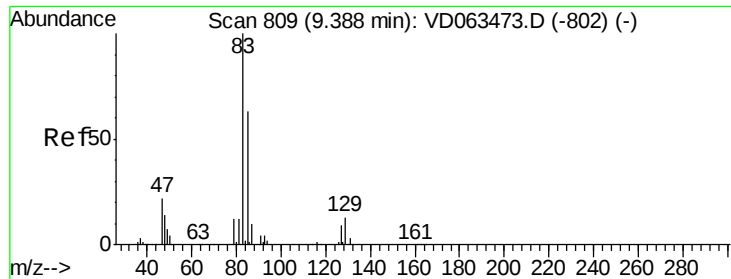
Ion Ratio Lower Upper

93 100

95 79.2 64.2 96.2

174 113.9 82.1 123.1





#47

Bromodichloromethane

Concen: 52.535 ug/l

RT: 9.36 min Scan# 806

Delta R.T. -0.02 min

Lab File: VD063478.D

Acq: 12 Aug 2019 10:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

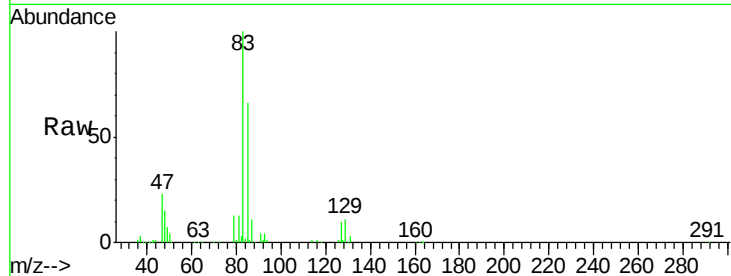
Tot Ion: 83 Resp: 885190

Ion Ratio Lower Upper

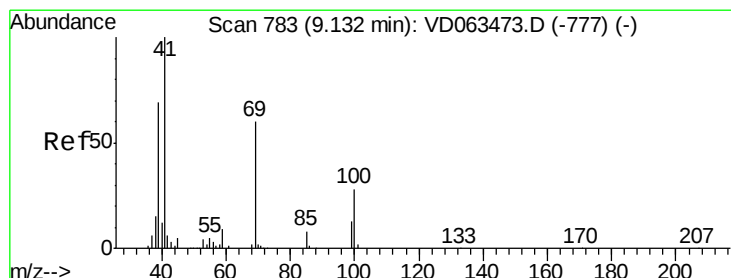
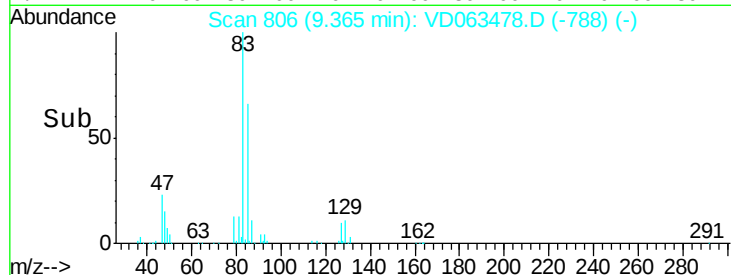
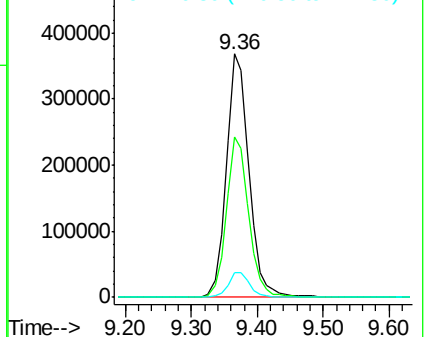
83 100

85 66.0 50.1 75.1

127 10.3 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): V



#48

Methyl methacrylate

Concen: 49.541 ug/l

RT: 9.12 min Scan# 781

Delta R.T. -0.01 min

Lab File: VD063478.D

Acq: 12 Aug 2019 10:43

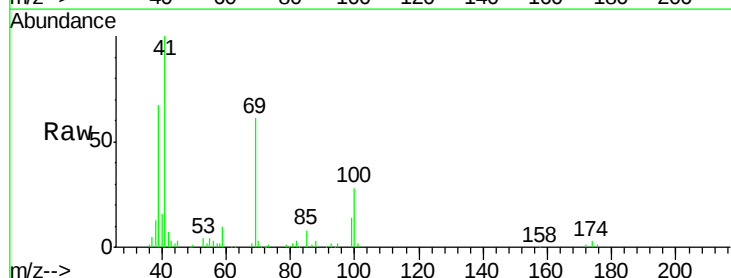
Tgt Ion: 41 Resp: 283013

Ion Ratio Lower Upper

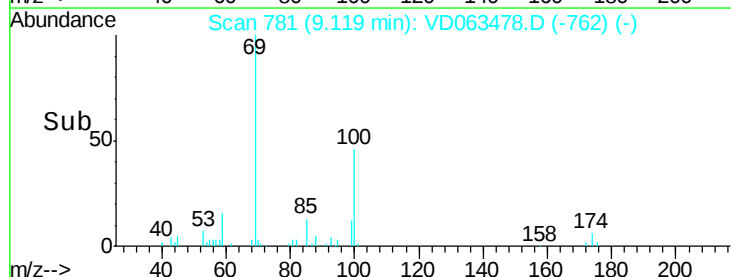
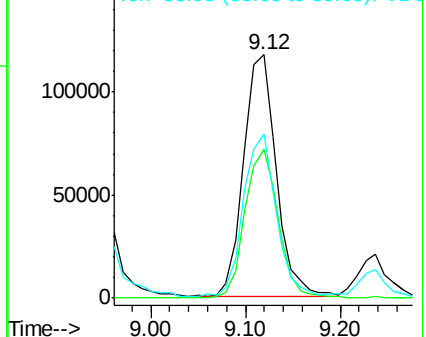
41 100

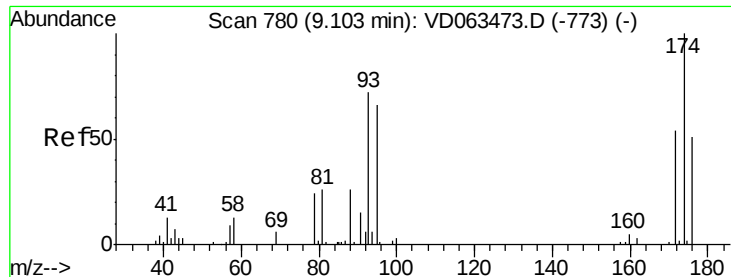
69 61.4 47.6 71.4

39 67.4 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

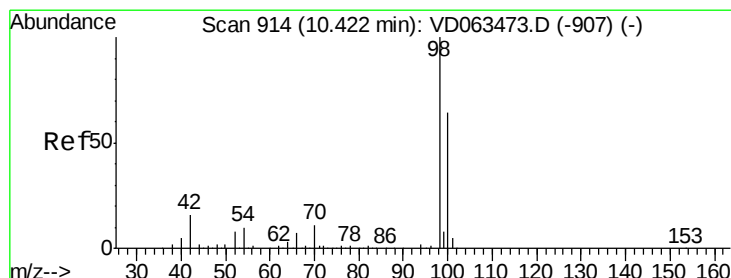
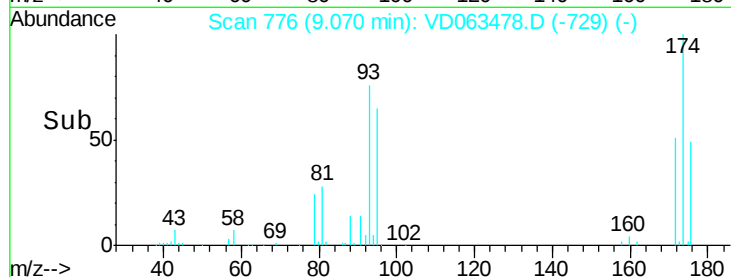
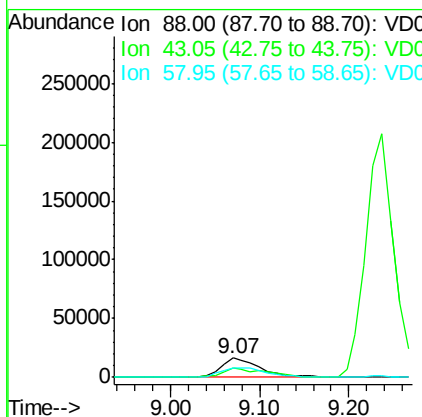
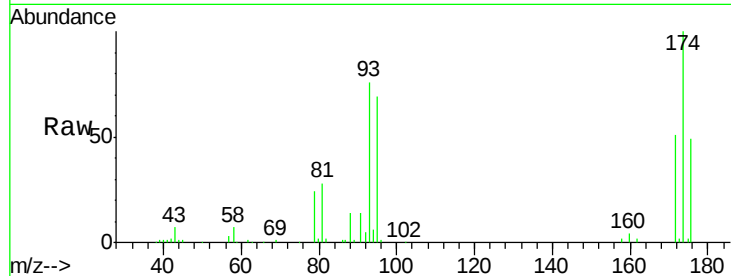




#49
 1,4-Dioxane
 Concen: 982.444 ug/l
 RT: 9.07 min Scan# 776
 Delta R.T. -0.03 min
 Lab File: VD063478.D
 Acq: 12 Aug 2019 10:43

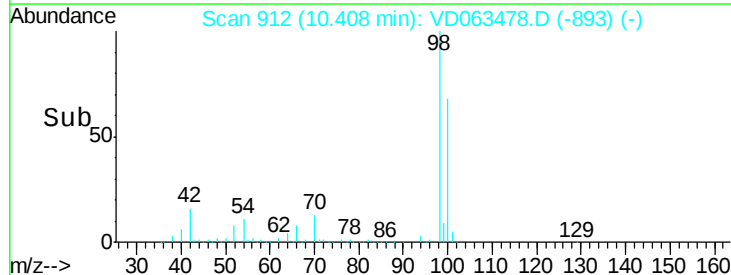
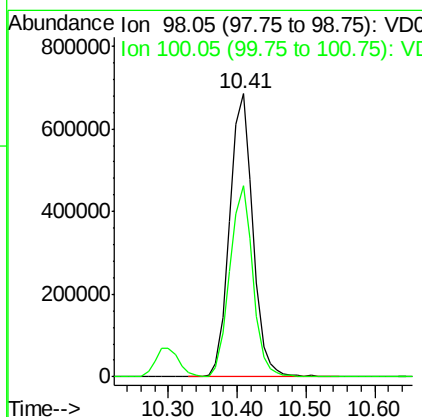
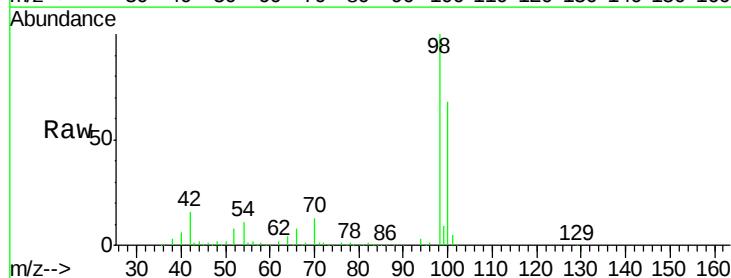
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

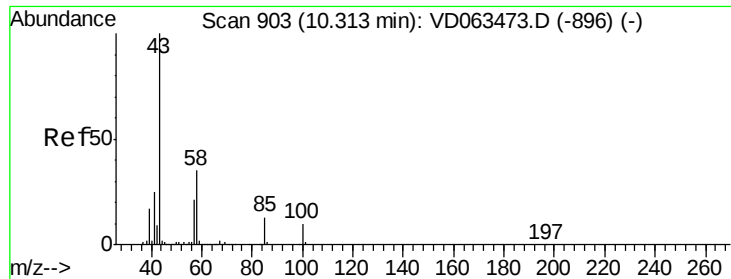
Tot Ion: 88 Resp: 50095
 Ion Ratio Lower Upper
 88 100
 43 48.3 22.9 34.3#
 58 51.7 40.1 60.1



#50
 Toluene-d8
 Concen: 50.854 ug/l
 RT: 10.41 min Scan# 912
 Delta R.T. -0.01 min
 Lab File: VD063478.D
 Acq: 12 Aug 2019 10:43

Tgt Ion: 98 Resp: 1598762
 Ion Ratio Lower Upper
 98 100
 100 67.6 51.7 77.5

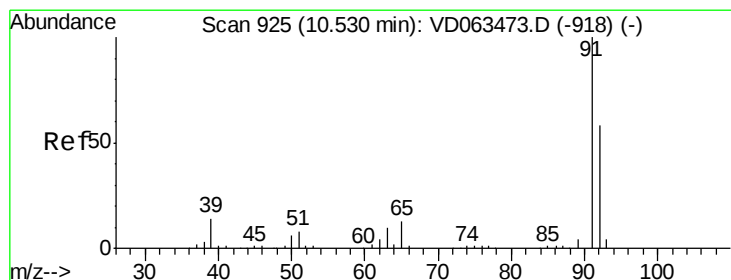
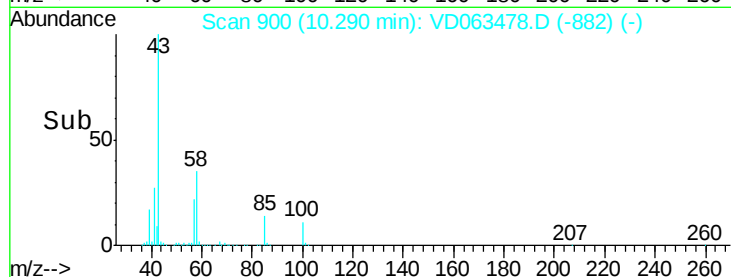
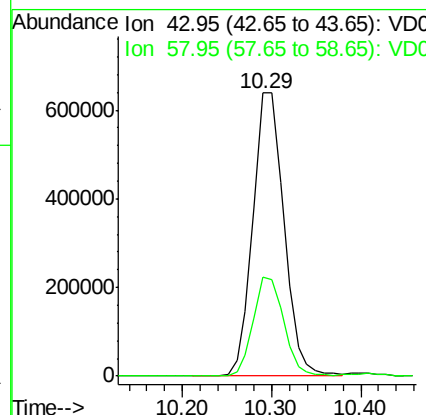
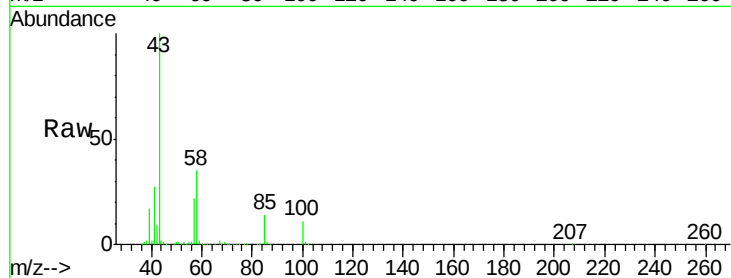




#51
4-Methyl-2-Pentanone
Concen: 266.881 ug/l
RT: 10.29 min Scan# 900
Delta R.T. -0.02 min
Lab File: VD063478.D
Acq: 12 Aug 2019 10:43

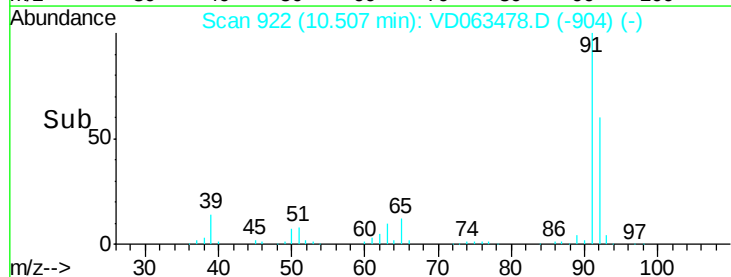
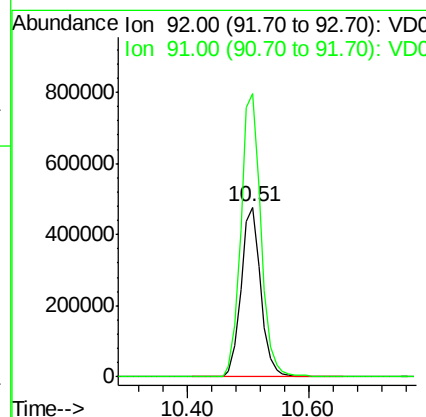
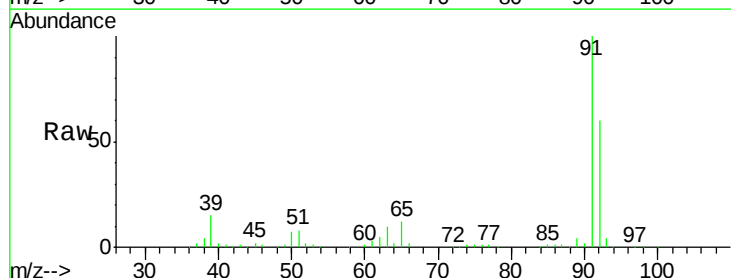
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

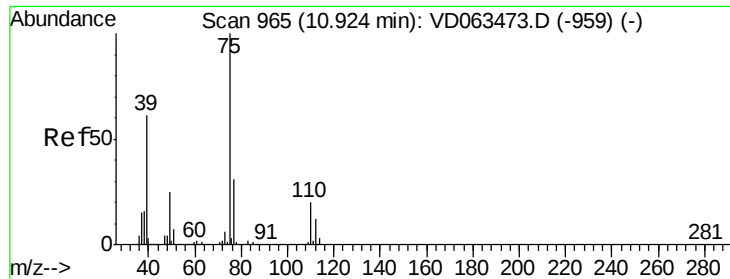
Tot Ion: 43 Resp: 1538305
Ion Ratio Lower Upper
43 100
58 34.8 28.0 42.0



#52
Toluene
Concen: 50.568 ug/l
RT: 10.51 min Scan# 922
Delta R.T. -0.02 min
Lab File: VD063478.D
Acq: 12 Aug 2019 10:43

Tgt Ion: 92 Resp: 1075820
Ion Ratio Lower Upper
92 100
91 166.5 137.9 206.9

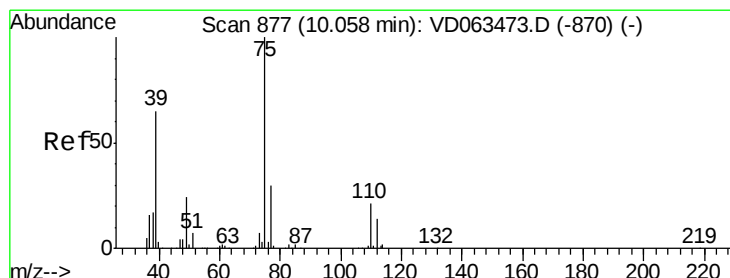
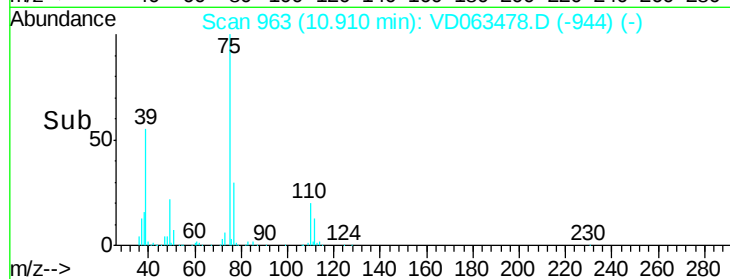
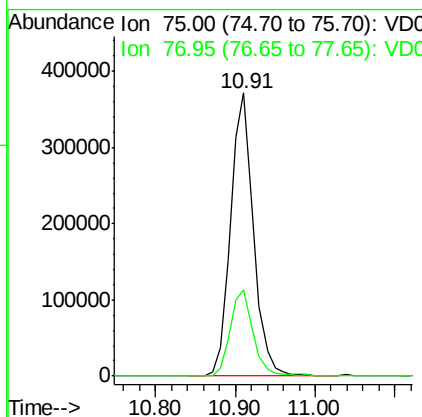
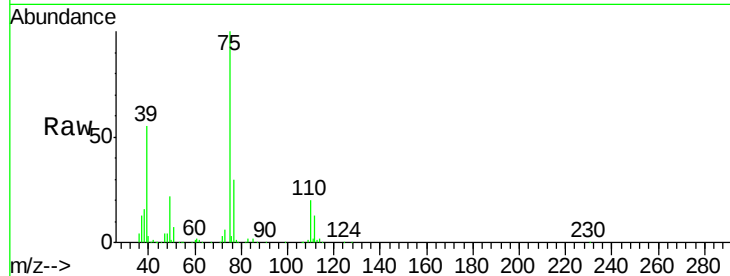




#53
 t-1,3-Dichloropropene
 Concen: 54.410 ug/l
 RT: 10.91 min Scan# 963
 Delta R.T. -0.01 min
 Lab File: VD063478.D
 Acq: 12 Aug 2019 10:43

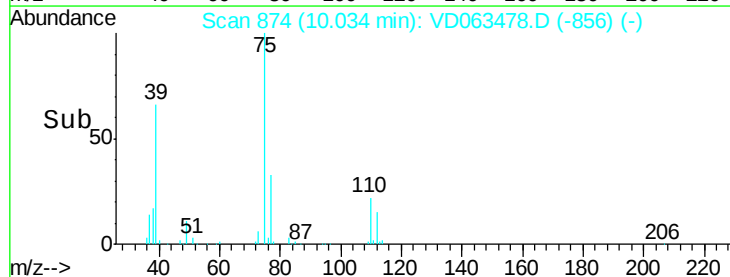
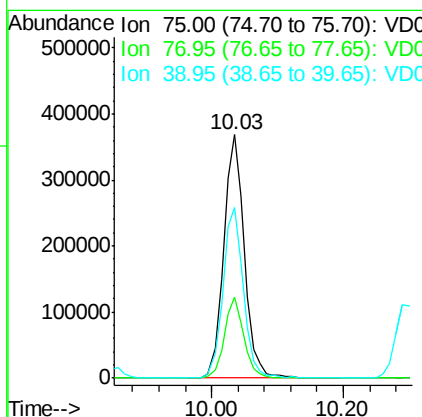
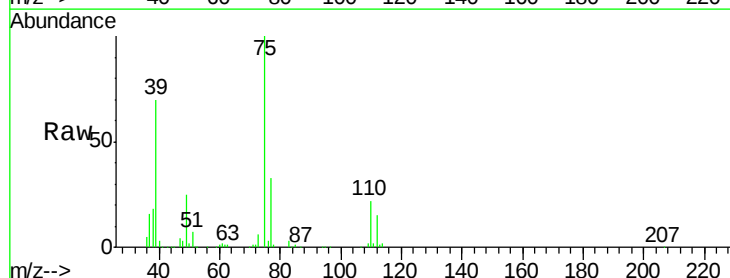
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

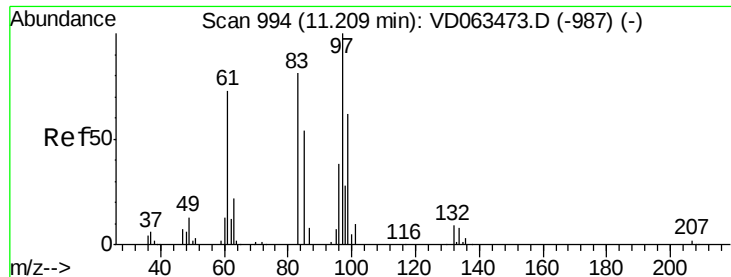
Tot Ion: 75 Resp: 748199
 Ion Ratio Lower Upper
 75 100
 77 30.3 24.5 36.7



#54
 cis-1,3-Dichloropropene
 Concen: 51.921 ug/l
 RT: 10.03 min Scan# 874
 Delta R.T. -0.02 min
 Lab File: VD063478.D
 Acq: 12 Aug 2019 10:43

Tgt Ion: 75 Resp: 805055
 Ion Ratio Lower Upper
 75 100
 77 33.5 23.7 35.5
 39 70.0 52.2 78.4

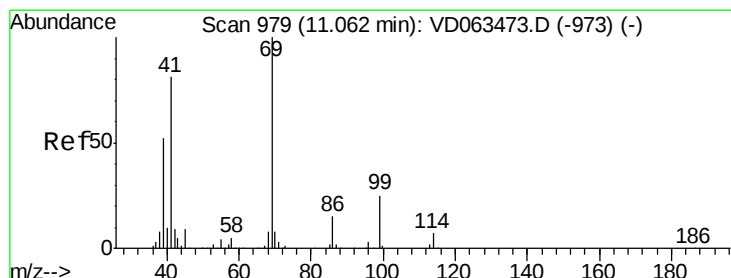
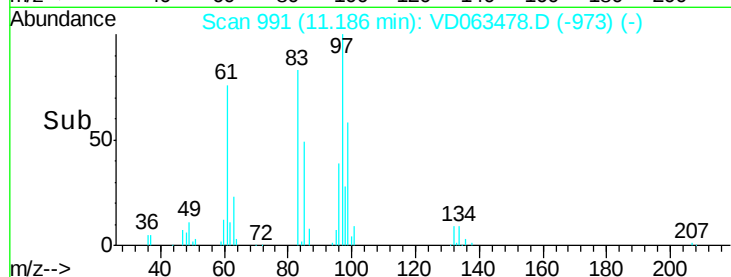
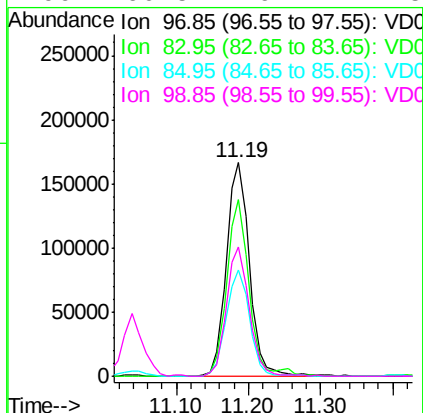
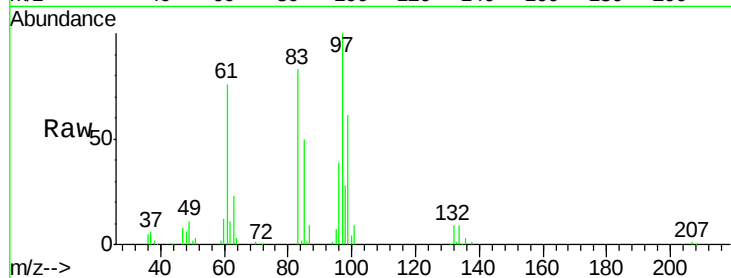




#55
 1,1,2-Trichloroethane
 Concen: 51.501 ug/l
 RT: 11.19 min Scan# 991
 Delta R.T. -0.02 min
 Lab File: VD063478.D
 Acq: 12 Aug 2019 10:43

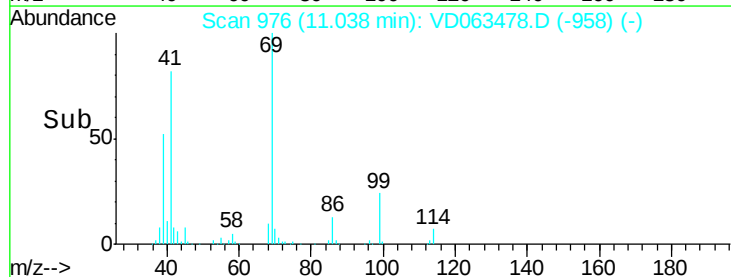
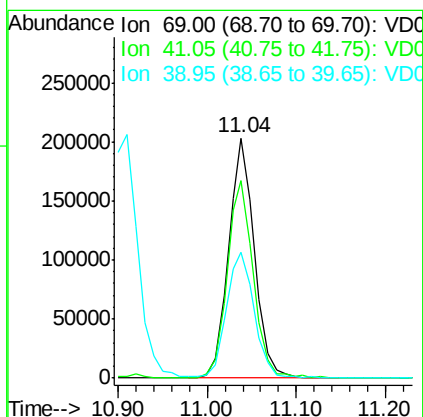
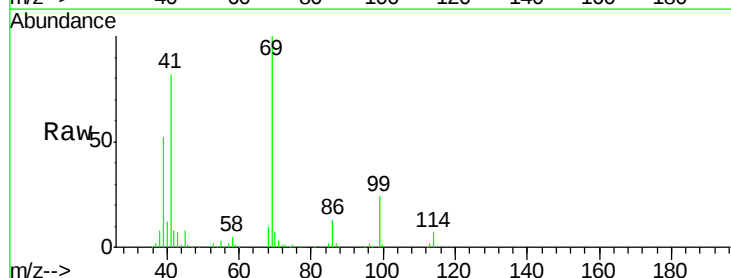
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

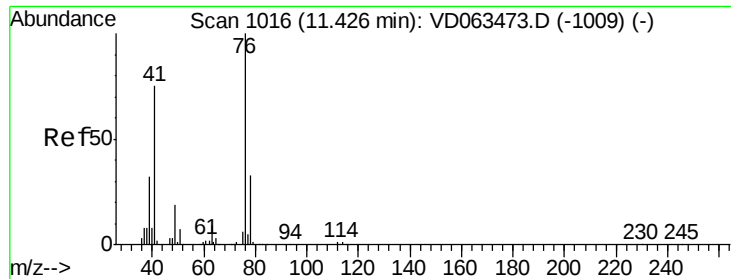
Tot Ion:	97	Resp:	370111
Ion	Ratio	Lower	Upper
97	100		
83	82.6	64.7	97.1
85	49.9	42.9	64.3
99	60.5	49.7	74.5



#56
 Ethyl methacrylate
 Concen: 52.735 ug/l
 RT: 11.04 min Scan# 976
 Delta R.T. -0.02 min
 Lab File: VD063478.D
 Acq: 12 Aug 2019 10:43

Tgt Ion:	69	Resp:	411348
Ion	Ratio	Lower	Upper
69	100		
41	82.4	64.8	97.2
39	52.4	42.4	63.6





#57

1,3-Dichloropropane

Concen: 52.799 ug/l

RT: 11.40 min Scan# 1013

Delta R.T. -0.02 min

Lab File: VD063478.D

Acq: 12 Aug 2019 10:43

Instrument :

MSVOA_D

ClientSampleId :

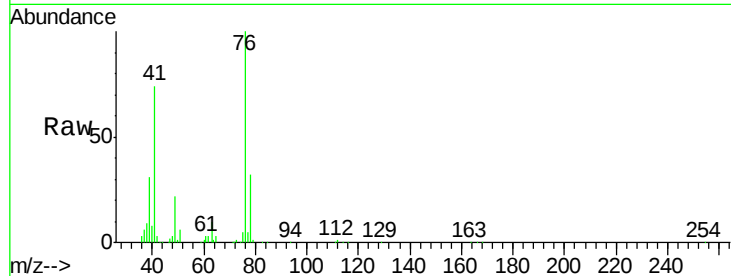
VSTDCCC050

Tot Ion: 76 Resp: 573558

Ion Ratio Lower Upper

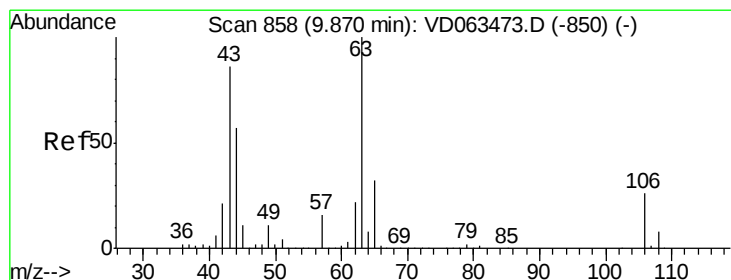
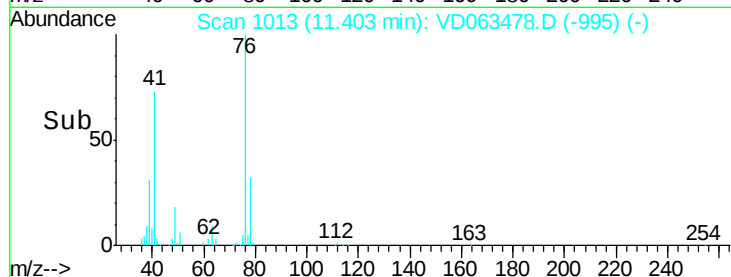
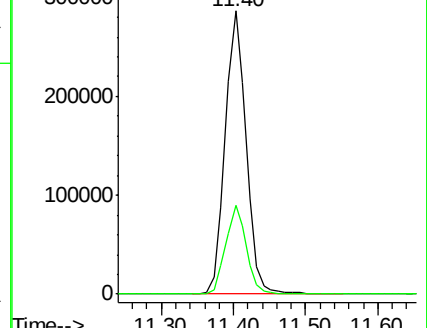
76 100

78 31.6 26.3 39.5



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 276.732 ug/l

RT: 9.85 min Scan# 855

Delta R.T. -0.02 min

Lab File: VD063478.D

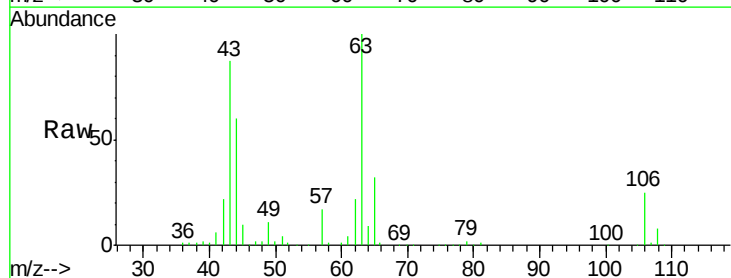
Acq: 12 Aug 2019 10:43

Tgt Ion: 63 Resp: 1139583

Ion Ratio Lower Upper

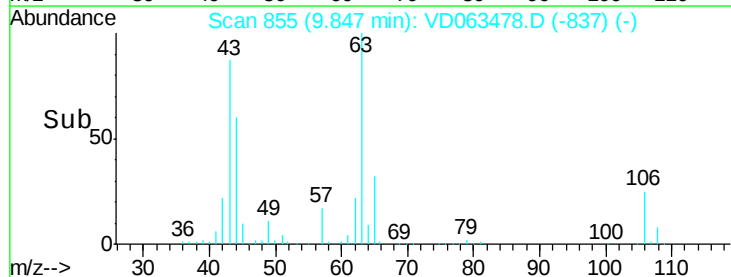
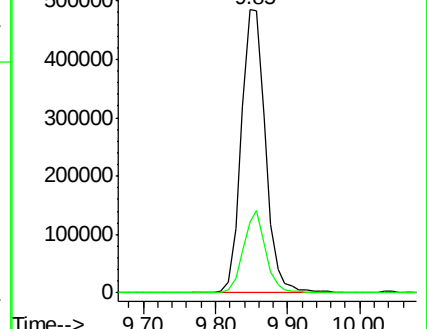
63 100

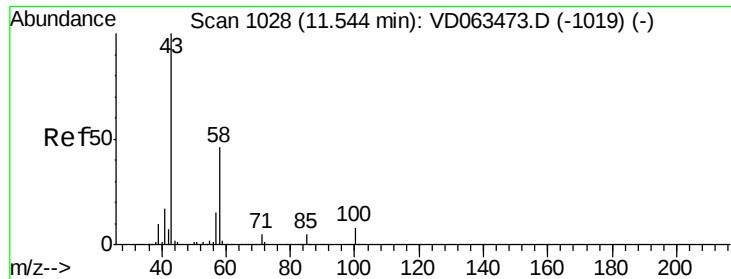
106 25.3 20.8 31.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

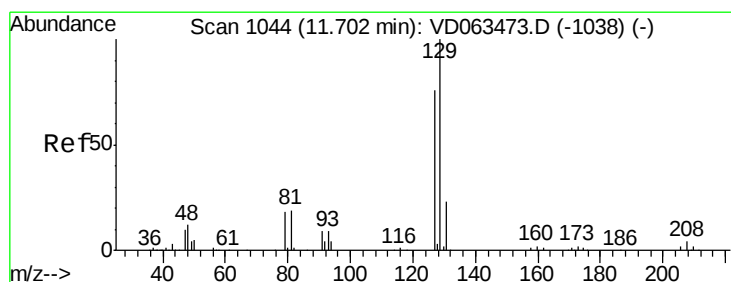
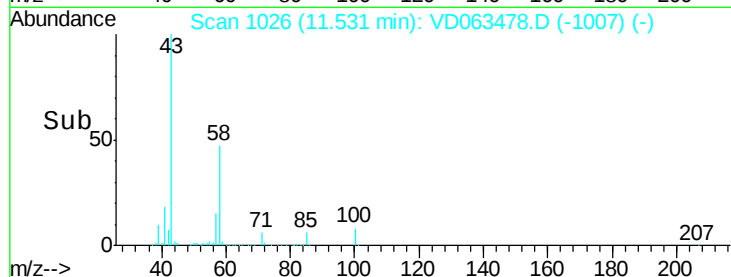
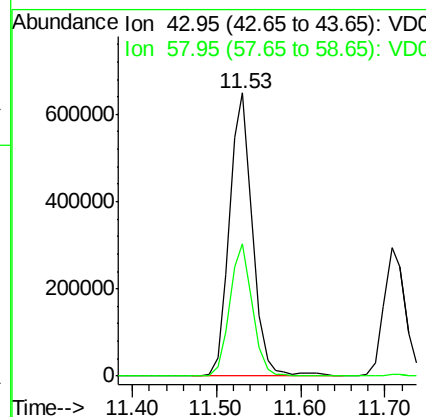
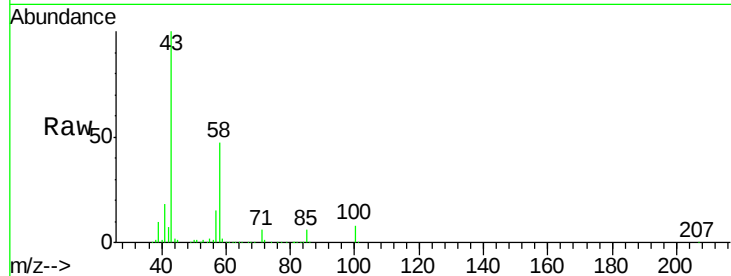




#59
2-Hexanone
Concen: 292.938 ug/l
RT: 11.53 min Scan# 1026
Delta R.T. -0.01 min
Lab File: VD063478.D
Acq: 12 Aug 2019 10:43

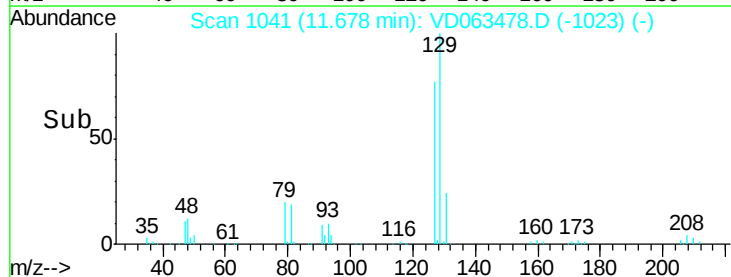
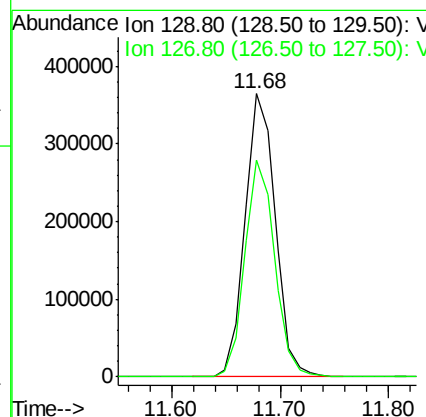
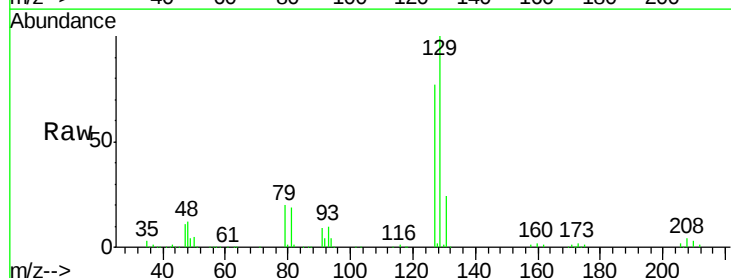
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

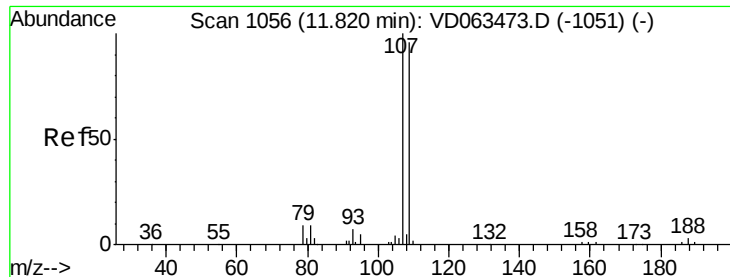
Tot Ion: 43 Resp: 1228598
Ion Ratio Lower Upper
43 100
58 46.9 23.1 69.2



#60
Dibromochloromethane
Concen: 54.284 ug/l
RT: 11.68 min Scan# 1041
Delta R.T. -0.02 min
Lab File: VD063478.D
Acq: 12 Aug 2019 10:43

Tgt Ion: 129 Resp: 709871
Ion Ratio Lower Upper
129 100
127 76.6 37.8 113.4

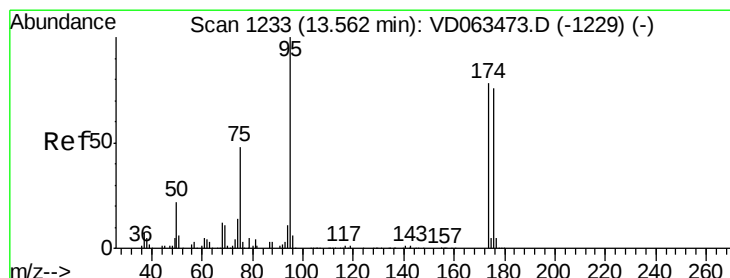
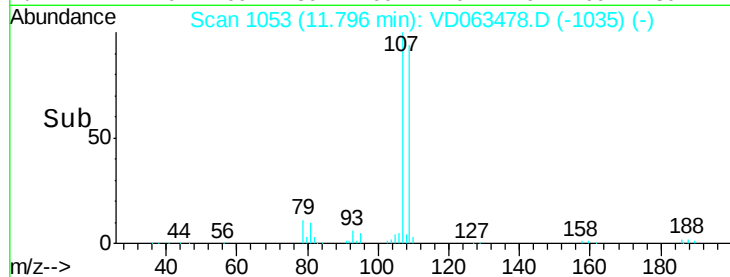
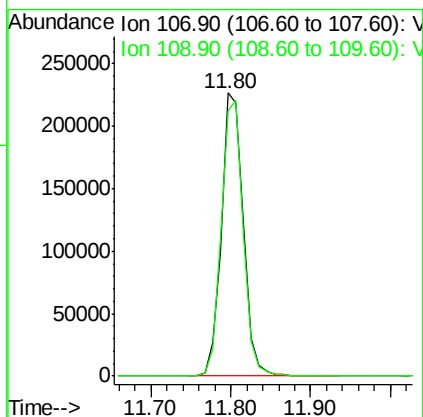
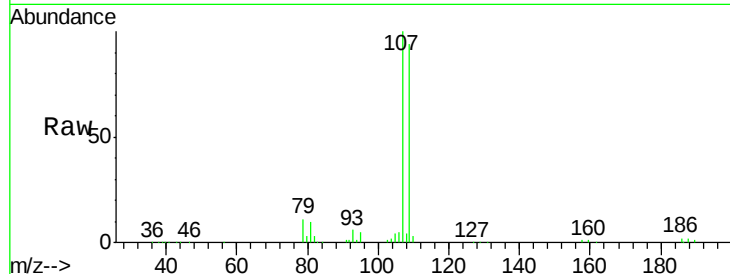




#61
 1,2-Dibromoethane
 Concen: 50.589 ug/l
 RT: 11.80 min Scan# 1053
 Delta R.T. -0.02 min
 Lab File: VD063478.D
 Acq: 12 Aug 2019 10:43

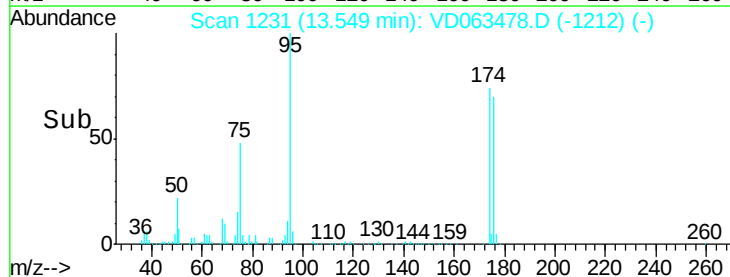
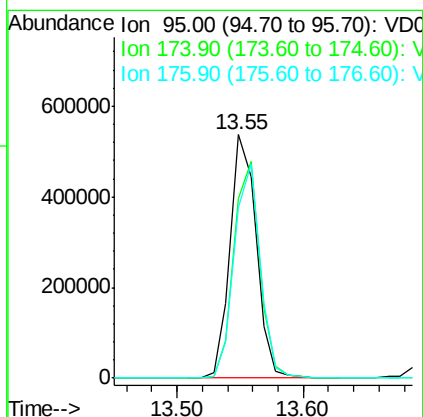
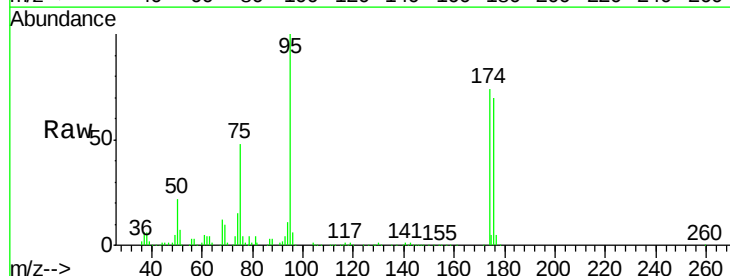
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

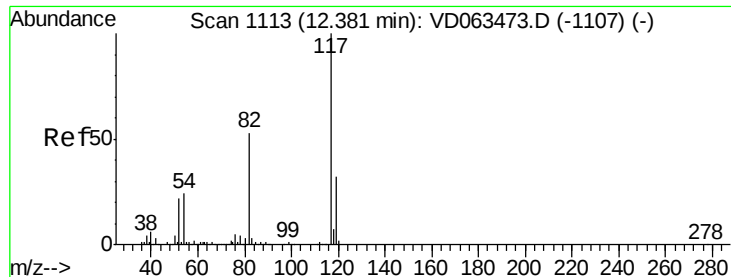
Tot Ion:107 Resp: 440118
 Ion Ratio Lower Upper
 107 100
 109 94.0 76.8 115.2



#62
 4-Bromofluorobenzene
 Concen: 53.908 ug/l
 RT: 13.55 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: VD063478.D
 Acq: 12 Aug 2019 10:43

Tgt Ion: 95 Resp: 768146
 Ion Ratio Lower Upper
 95 100
 174 73.7 0.0 155.4
 176 70.2 0.0 152.4

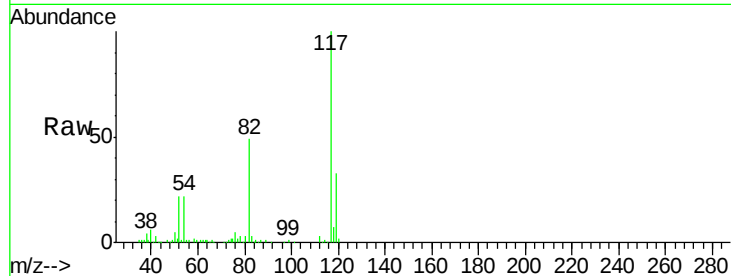




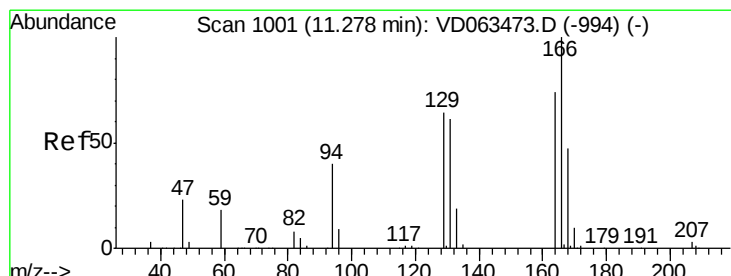
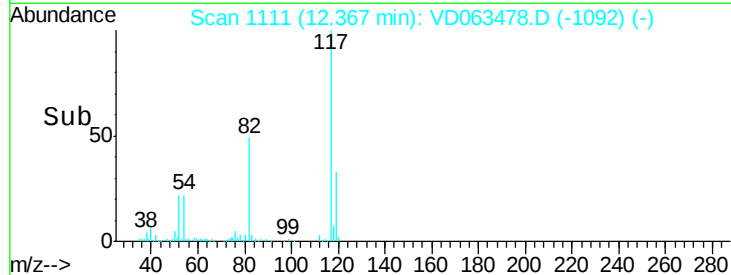
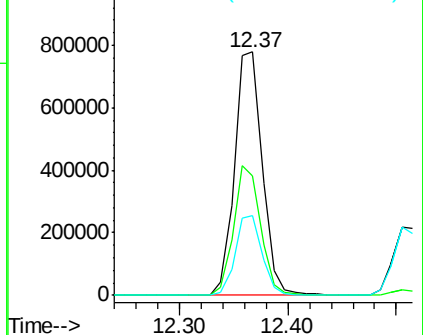
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD063478.D
Acq: 12 Aug 2019 10:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 1392039
Ion Ratio Lower Upper
117 100
82 49.1 42.0 63.0
119 33.0 25.4 38.0

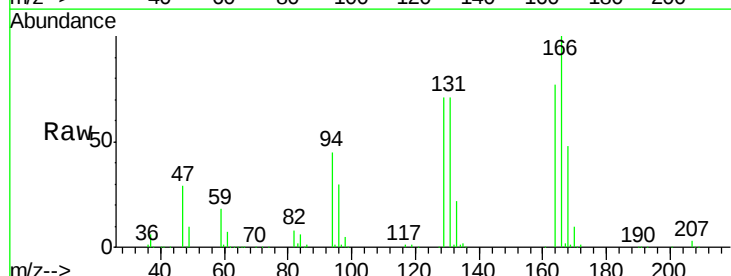


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

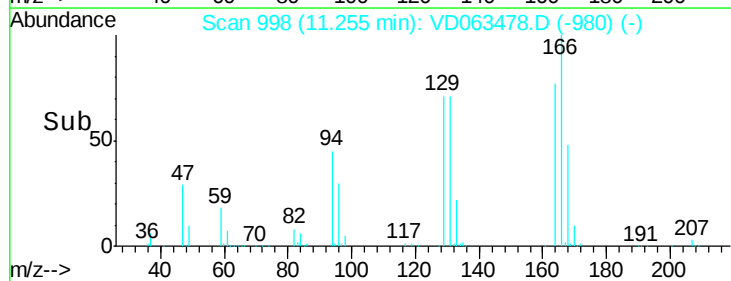
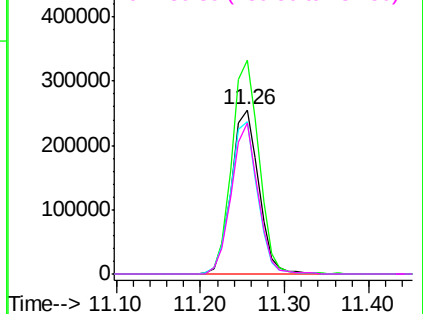


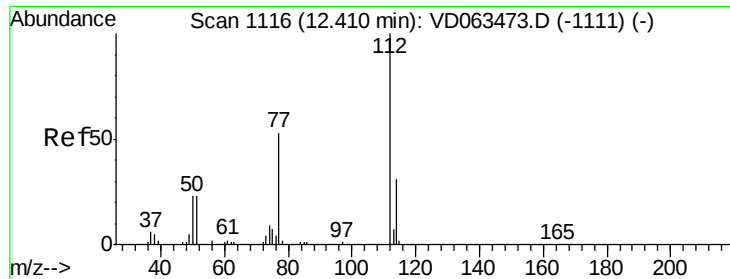
#64
Tetrachloroethene
Concen: 53.862 ug/l
RT: 11.26 min Scan# 998
Delta R.T. -0.02 min
Lab File: VD063478.D
Acq: 12 Aug 2019 10:43

Tgt Ion:164 Resp: 578808
Ion Ratio Lower Upper
164 100
166 129.9 108.6 163.0
129 92.5 69.0 103.6
131 91.8 66.6 99.8



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





#65

Chlorobenzene

Concen: 50.688 ug/l

RT: 12.40 min Scan# 1114

Delta R.T. -0.01 min

Lab File: VD063478.D

Acq: 12 Aug 2019 10:43

Instrument :

MSVOA_D

ClientSampleId :

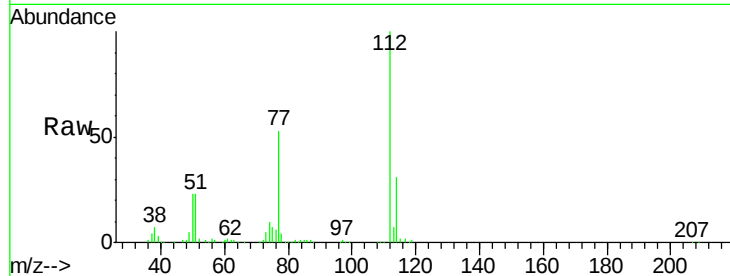
VSTDCCC050

Tot Ion:112 Resp: 1322454

Ion Ratio Lower Upper

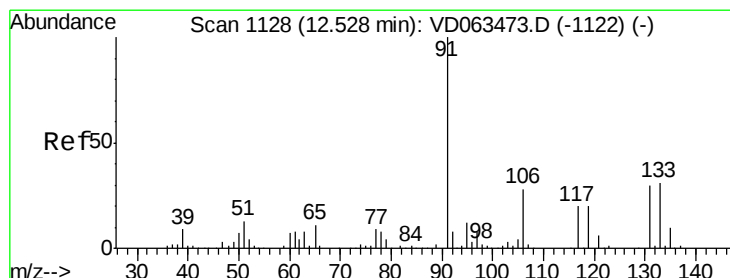
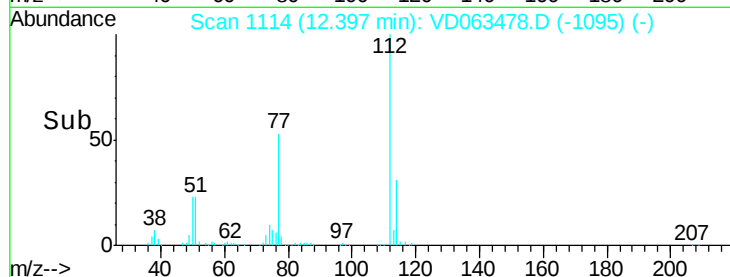
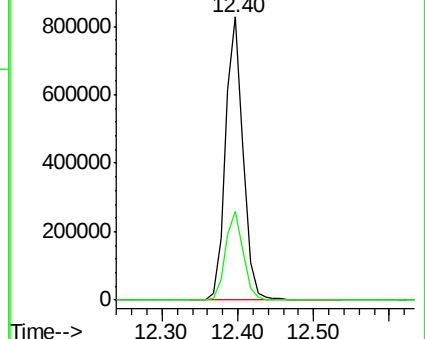
112 100

114 31.4 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: 51.663 ug/l

RT: 12.52 min Scan# 1126

Delta R.T. -0.01 min

Lab File: VD063478.D

Acq: 12 Aug 2019 10:43

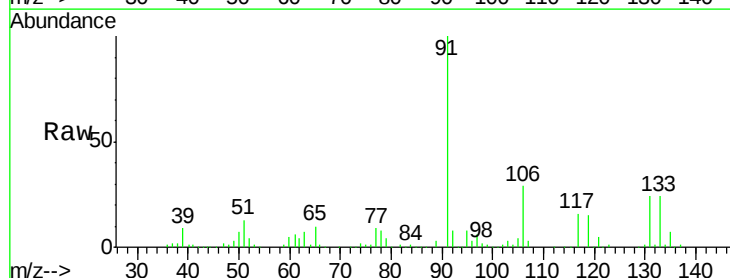
Tgt Ion:131 Resp: 593209

Ion Ratio Lower Upper

131 100

133 100.7 51.1 153.3

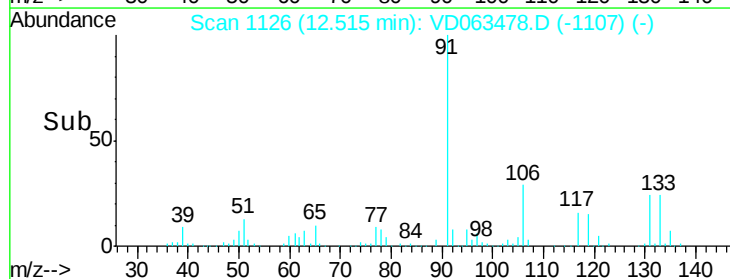
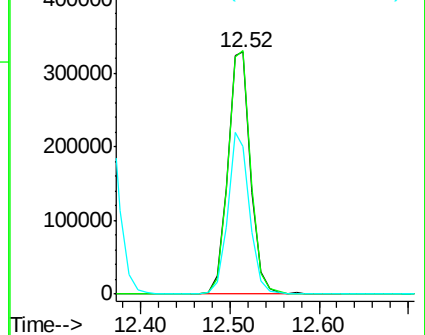
119 60.9 33.1 99.3



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

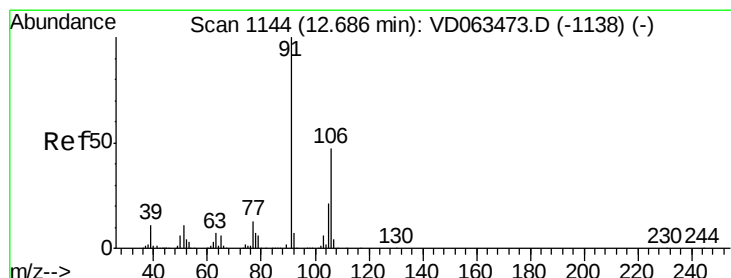
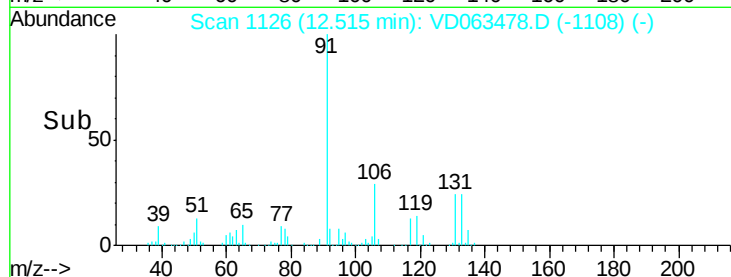
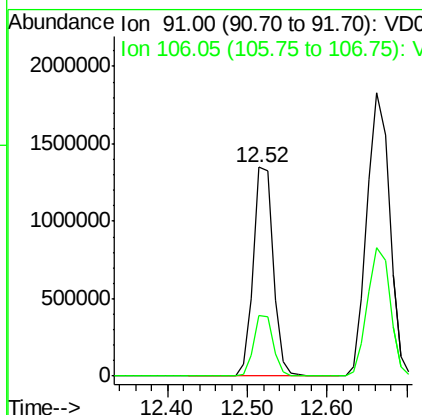
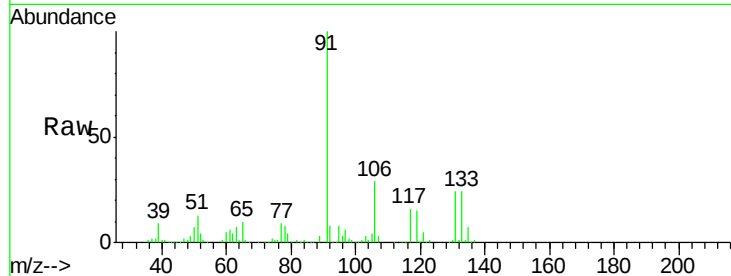




#67
Ethyl Benzene
Concen: 50.545 ug/l
RT: 12.52 min Scan# 1126
Delta R.T. -0.02 min
Lab File: VD063478.D
Acq: 12 Aug 2019 10:43

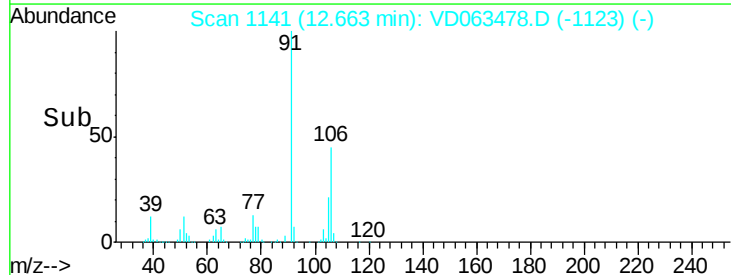
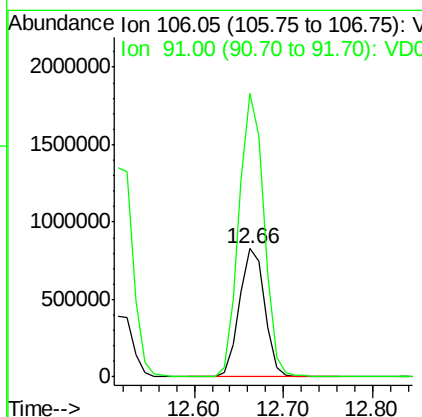
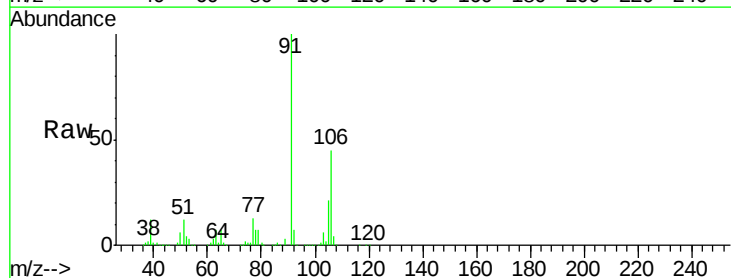
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

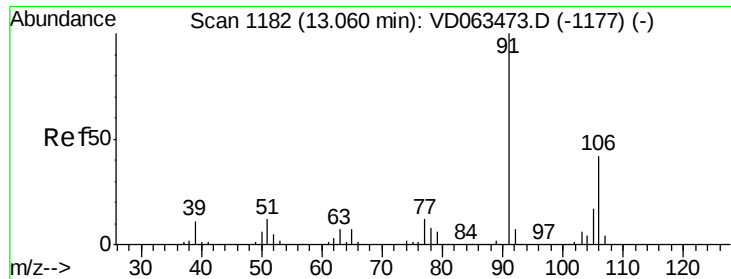
Tot Ion: 91 Resp: 2292959
Ion Ratio Lower Upper
91 100
106 28.9 23.1 34.7



#68
m/p-Xylenes
Concen: 102.400 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. -0.02 min
Lab File: VD063478.D
Acq: 12 Aug 2019 10:43

Tgt Ion: 106 Resp: 1632046
Ion Ratio Lower Upper
106 100
91 220.9 171.8 257.8

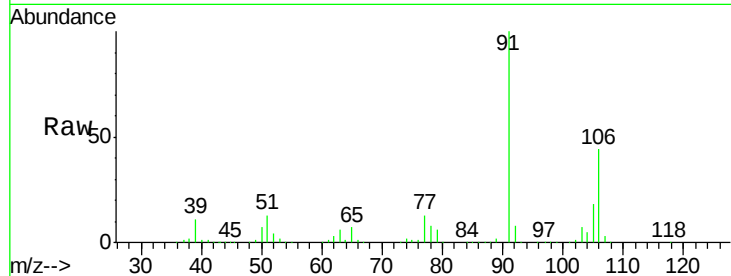




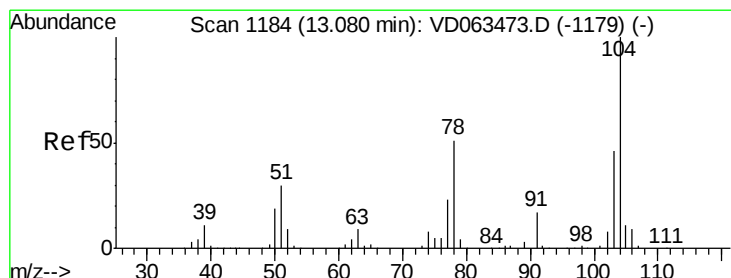
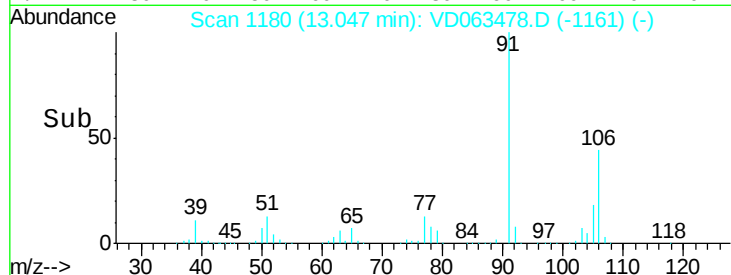
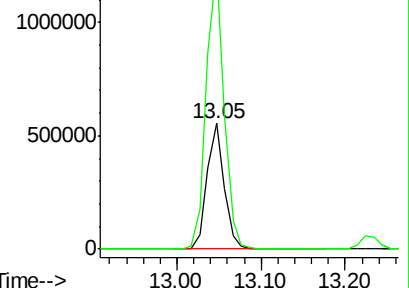
#69
o-Xylene
Concen: 51.088 ug/l
RT: 13.05 min Scan# 1180
Delta R.T. -0.01 min
Lab File: VD063478.D
Acq: 12 Aug 2019 10:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 783669
Ion Ratio Lower Upper
106 100
91 225.9 118.1 354.2

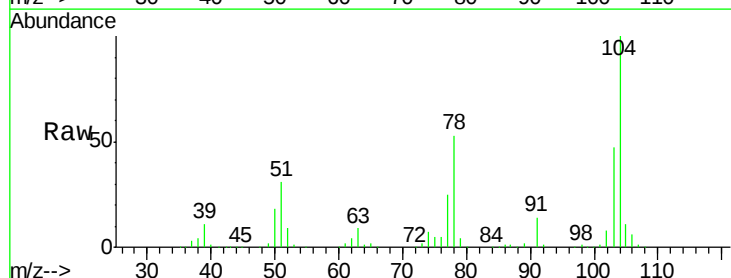


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

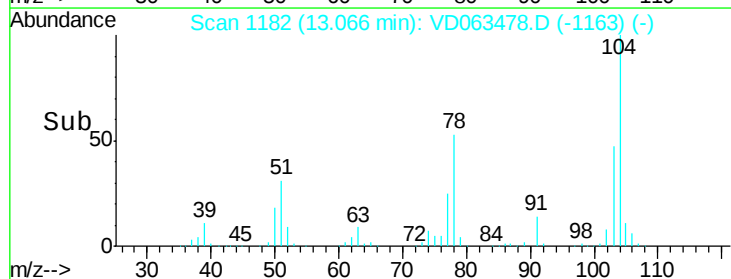
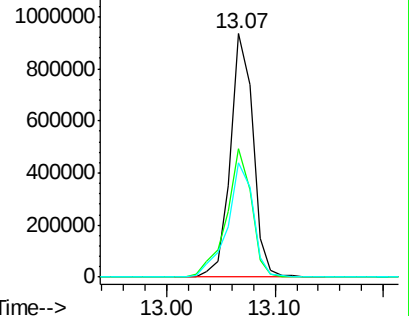


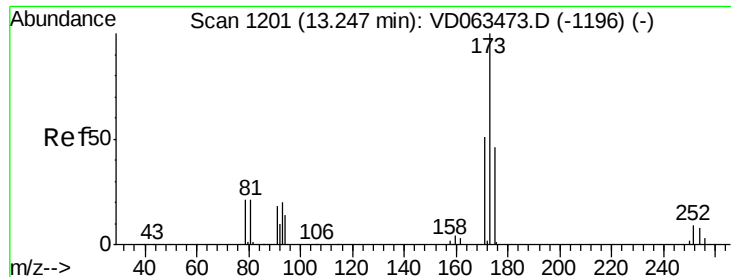
#70
Styrene
Concen: 49.750 ug/l
RT: 13.07 min Scan# 1182
Delta R.T. -0.01 min
Lab File: VD063478.D
Acq: 12 Aug 2019 10:43

Tgt Ion:104 Resp: 1357482
Ion Ratio Lower Upper
104 100
78 52.8 40.8 61.2
103 47.1 36.4 54.6



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

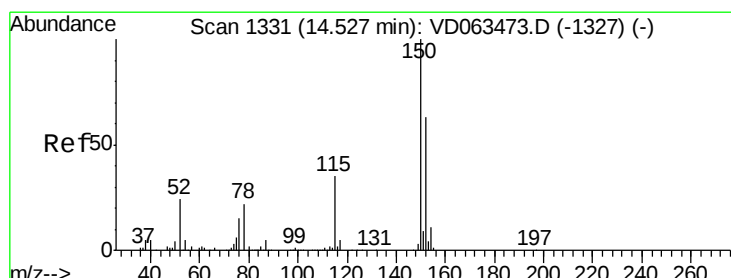
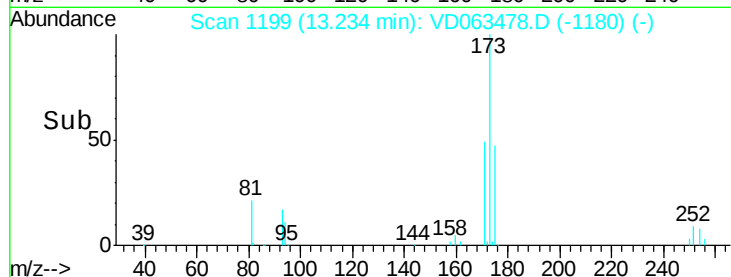
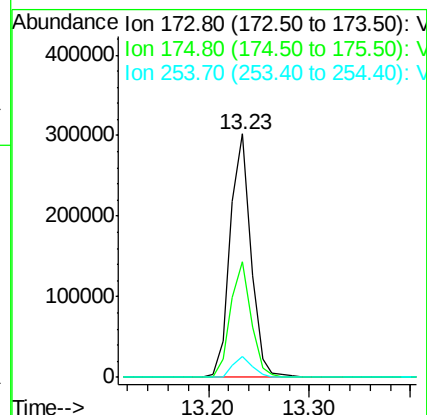
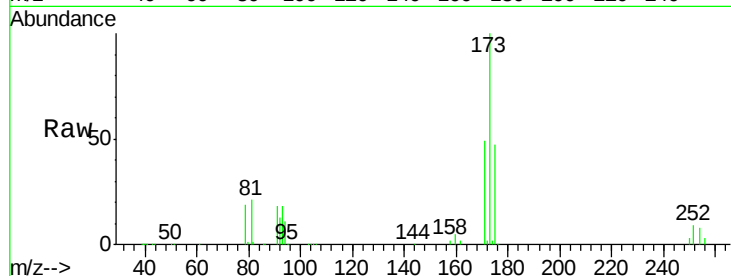




#71
Bromoform
Concen: 54.669 ug/l
RT: 13.23 min Scan# 1199
Delta R.T. -0.01 min
Lab File: VD063478.D
Acq: 12 Aug 2019 10:43

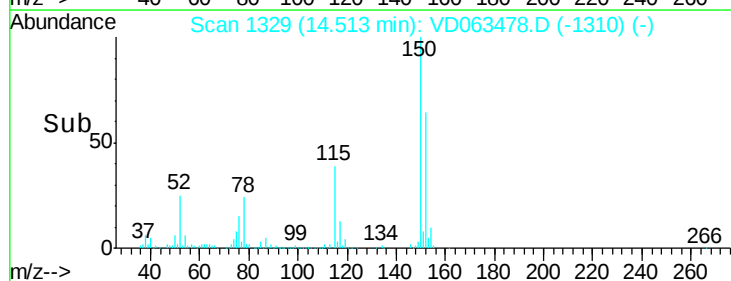
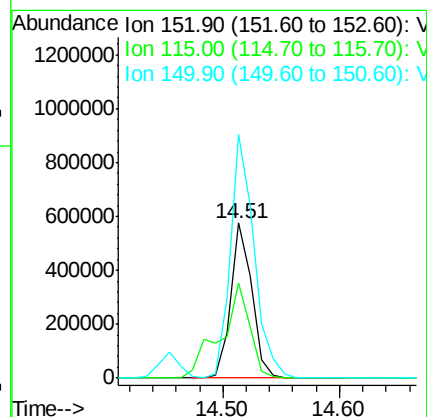
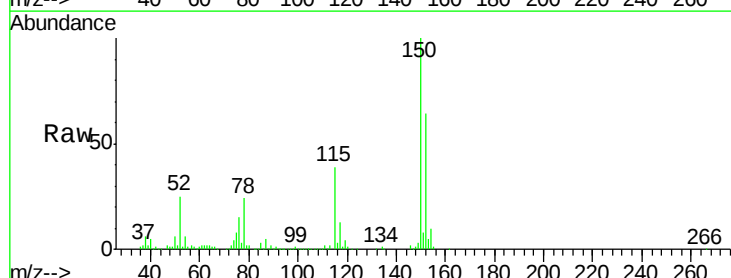
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

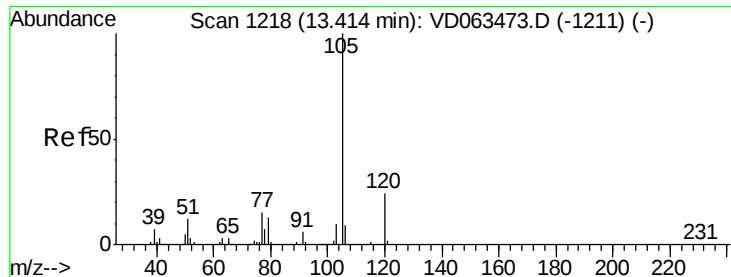
Tot Ion:173 Resp: 430421
Ion Ratio Lower Upper
173 100
175 47.4 22.8 68.3
254 8.4 6.6 9.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD063478.D
Acq: 12 Aug 2019 10:43

Tgt Ion:152 Resp: 722657
Ion Ratio Lower Upper
152 100
115 61.3 30.9 92.7
150 157.1 0.0 318.6





#73

Isopropylbenzene

Concen: 53.454 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VD063478.D

Acq: 12 Aug 2019 10:43

Instrument :

MSVOA_D

ClientSampleId :

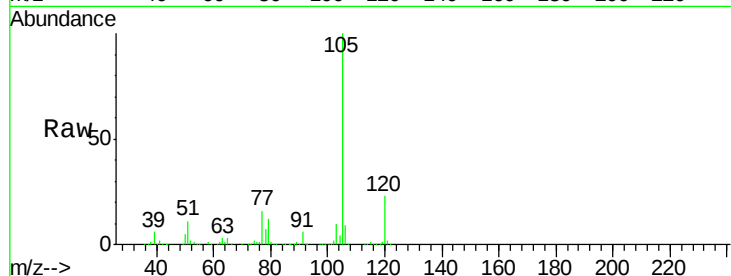
VSTDCCC050

Tot Ion:105 Resp: 2457001

Ion Ratio Lower Upper

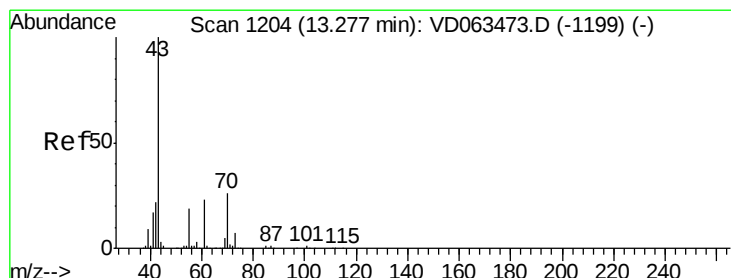
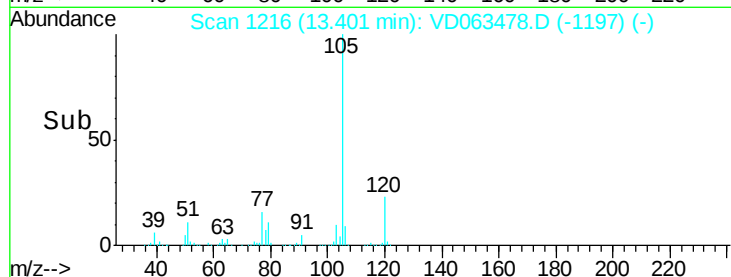
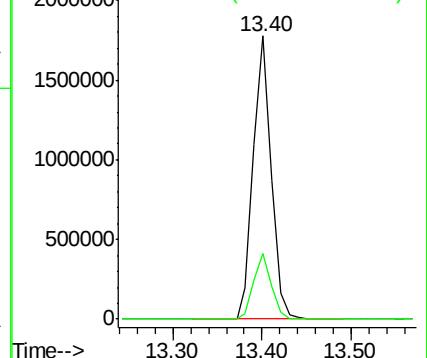
105 100

120 23.3 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: 54.633 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VD063478.D

Acq: 12 Aug 2019 10:43

Tgt Ion: 43 Resp: 630384

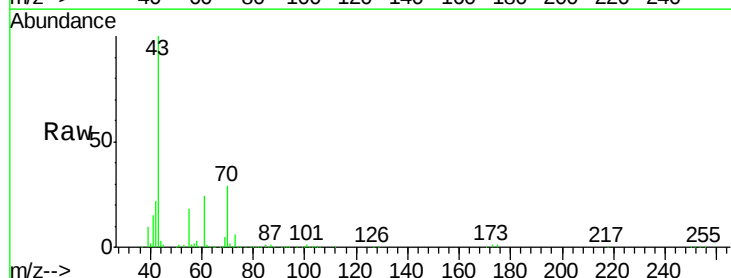
Ion Ratio Lower Upper

43 100

70 28.6 21.1 31.7

55 17.9 15.4 23.0

61 23.6 18.2 27.2

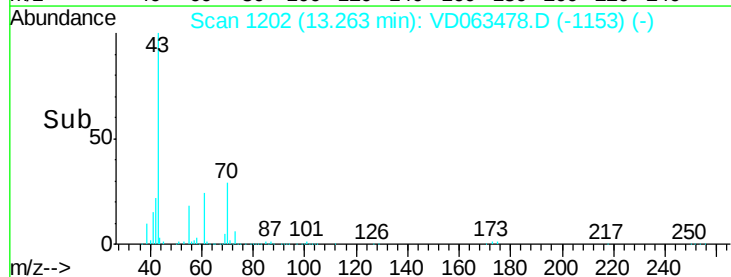
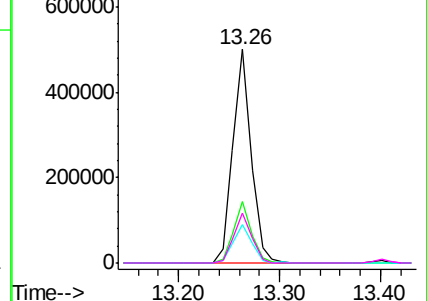


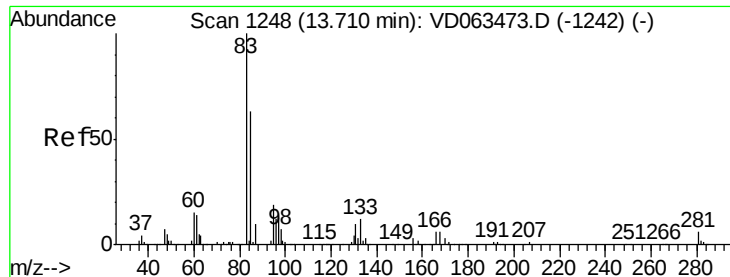
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 54.917 ug/l

RT: 13.70 min Scan# 1246

Delta R.T. -0.01 min

Lab File: VD063478.D

Acq: 12 Aug 2019 10:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

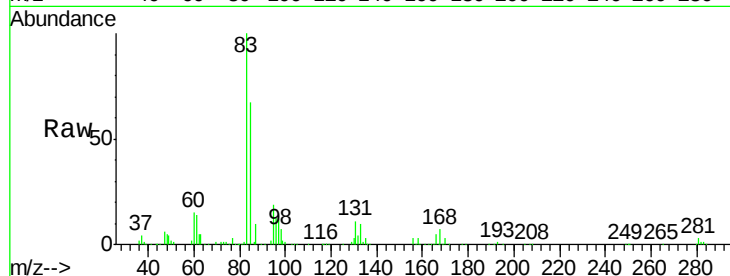
Tot Ion: 83 Resp: 418978

Ion Ratio Lower Upper

83 100

131 10.9 5.3 15.8

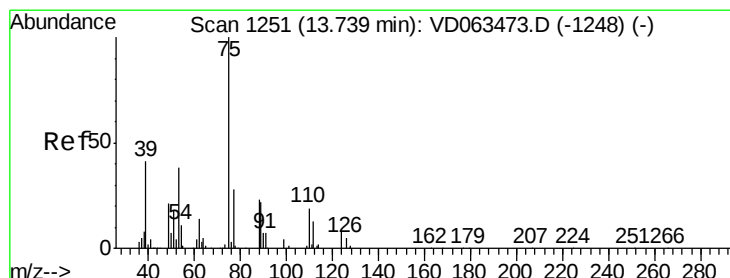
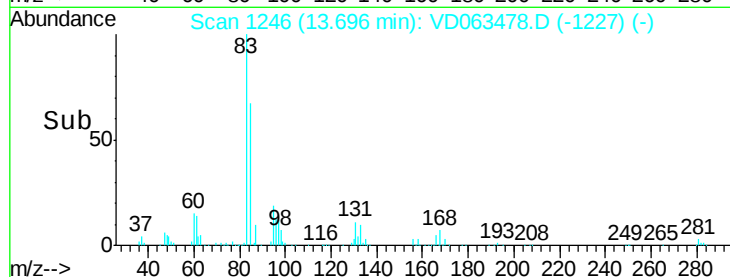
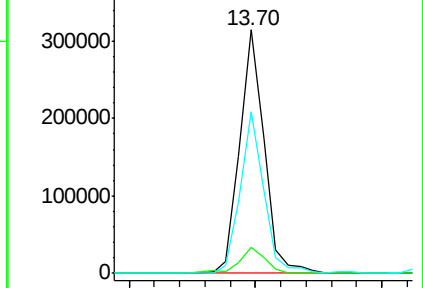
85 66.5 31.4 94.3



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: 56.595 ug/l

RT: 13.73 min Scan# 1249

Delta R.T. -0.01 min

Lab File: VD063478.D

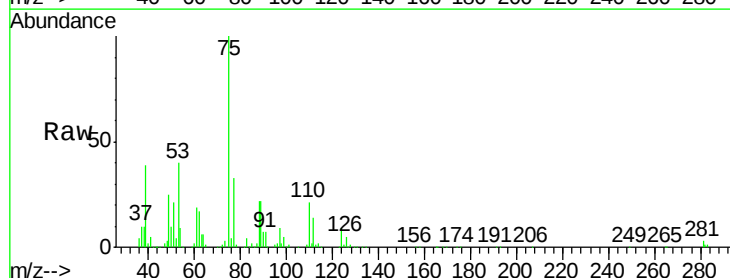
Acq: 12 Aug 2019 10:43

Tgt Ion: 75 Resp: 469385

Ion Ratio Lower Upper

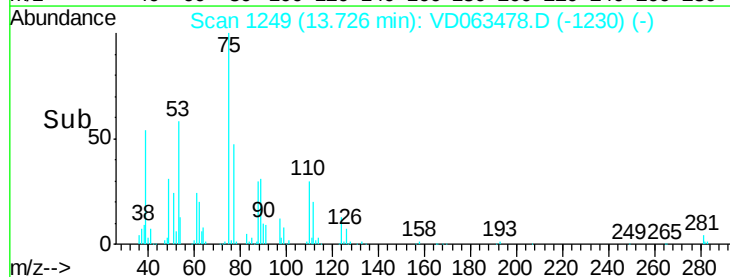
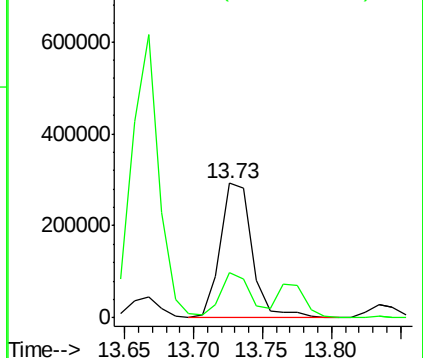
75 100

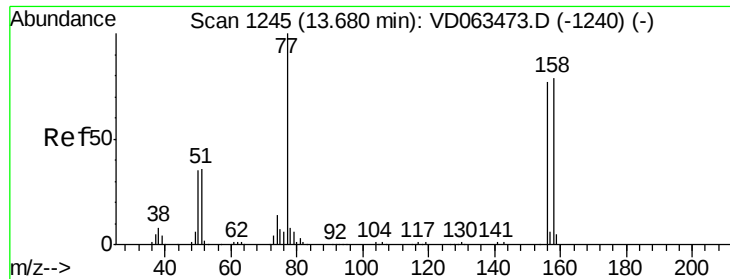
77 33.2 15.1 45.3



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 54.067 ug/l

RT: 13.67 min Scan# 1243

Delta R.T. -0.01 min

Lab File: VD063478.D

Acq: 12 Aug 2019 10:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

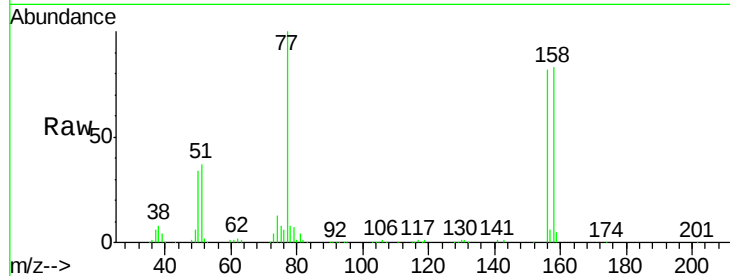
Tot Ion:156 Resp: 679208

Ion Ratio Lower Upper

156 100

77 122.6 64.6 193.8

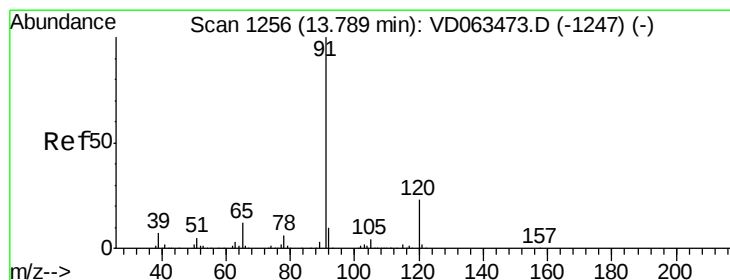
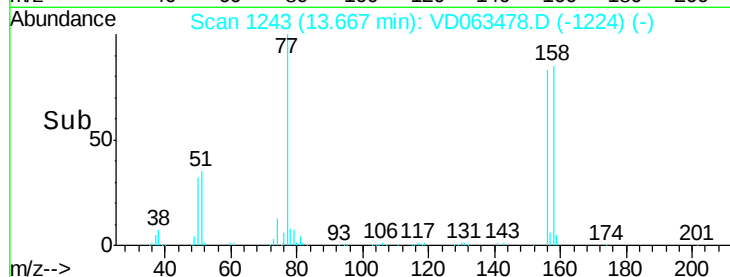
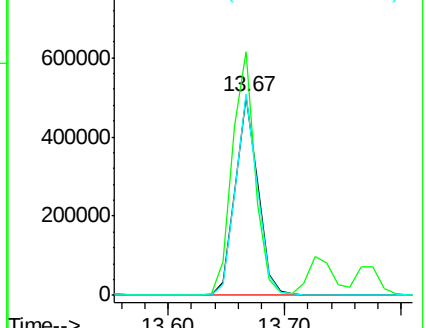
158 101.4 50.9 152.7



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: 48.962 ug/l

RT: 13.78 min Scan# 1254

Delta R.T. -0.01 min

Lab File: VD063478.D

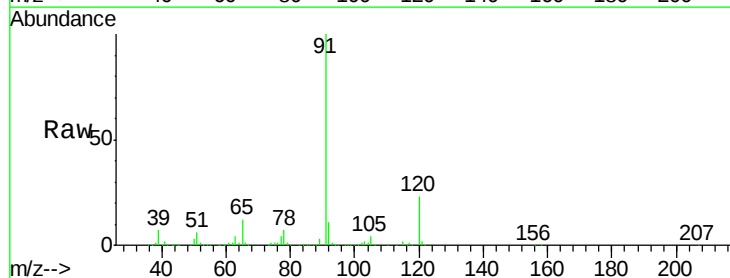
Acq: 12 Aug 2019 10:43

Tgt Ion: 91 Resp: 2633195

Ion Ratio Lower Upper

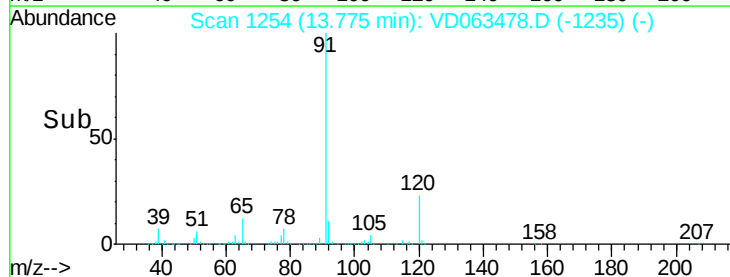
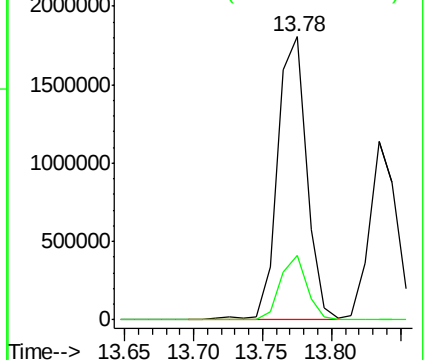
91 100

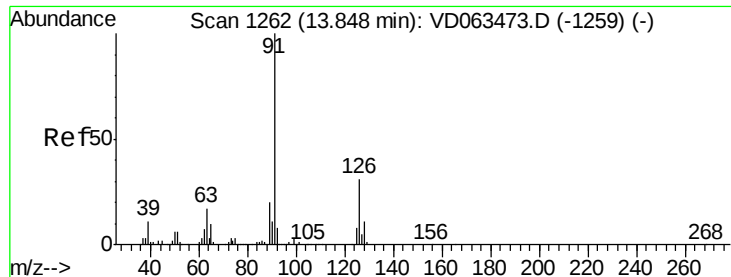
120 23.0 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V

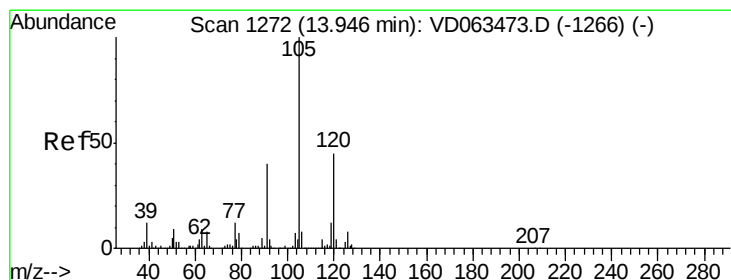
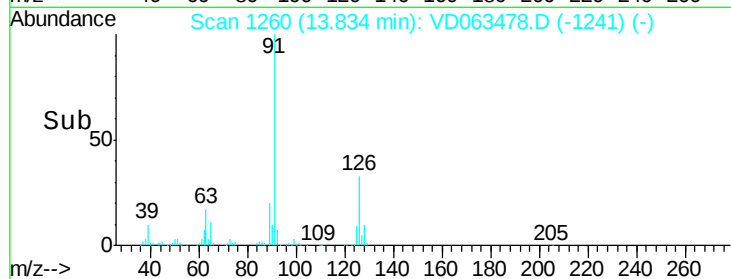
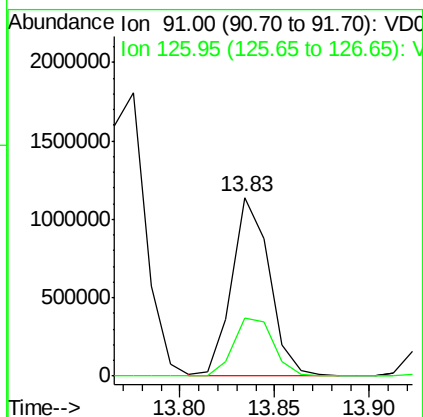
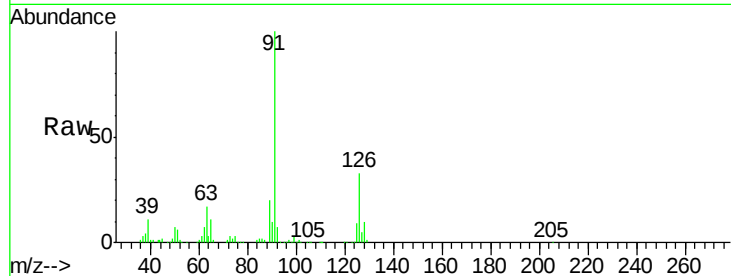




#79
 2-Chlorotoluene
 Concen: 50.556 ug/l
 RT: 13.83 min Scan# 1260
 Delta R.T. -0.01 min
 Lab File: VD063478.D
 Acq: 12 Aug 2019 10:43

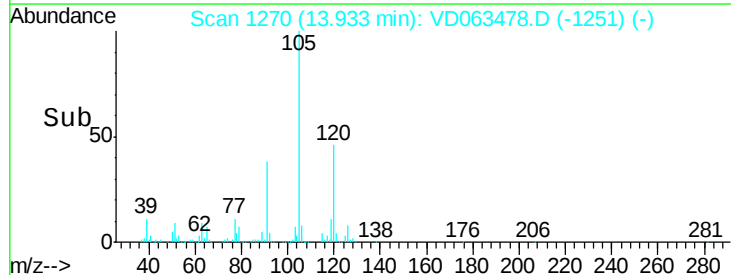
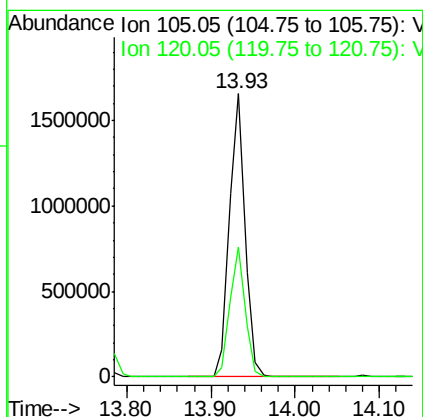
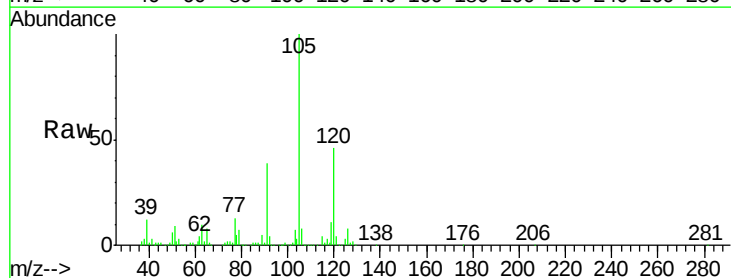
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

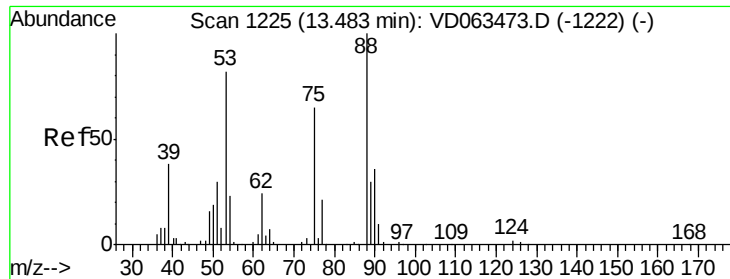
Tot Ion: 91 Resp: 1567666
 Ion Ratio Lower Upper
 91 100
 126 32.6 15.6 46.7



#80
 1,3,5-Trimethylbenzene
 Concen: 53.021 ug/l
 RT: 13.93 min Scan# 1270
 Delta R.T. -0.01 min
 Lab File: VD063478.D
 Acq: 12 Aug 2019 10:43

Tgt Ion: 105 Resp: 2129379
 Ion Ratio Lower Upper
 105 100
 120 46.0 22.8 68.3

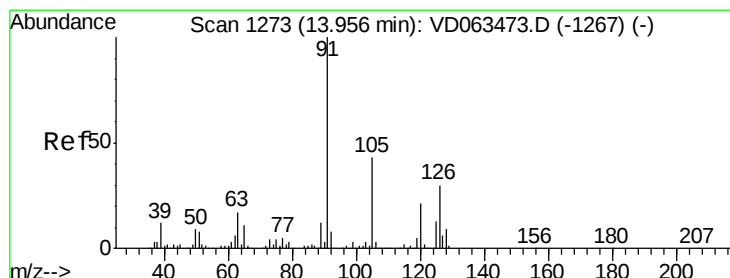
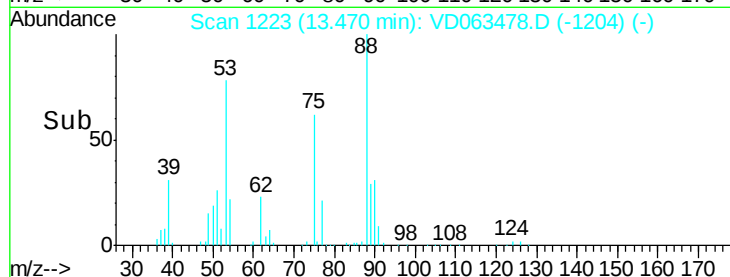
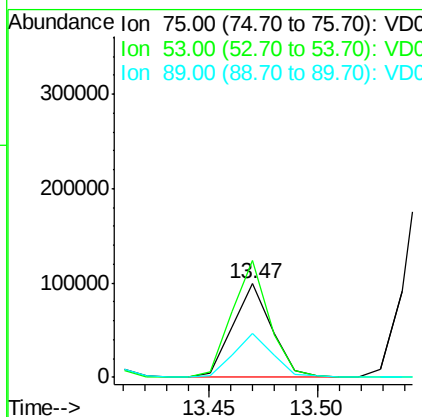
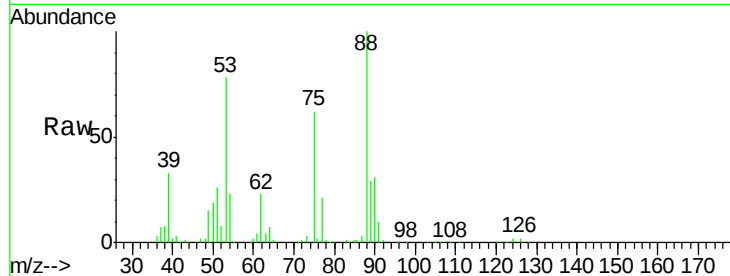




#81
trans-1,4-Dichloro-2-butene
Concen: 56.430 ug/l
RT: 13.47 min Scan# 1223
Delta R.T. -0.01 min
Lab File: VD063478.D
Acq: 12 Aug 2019 10:43

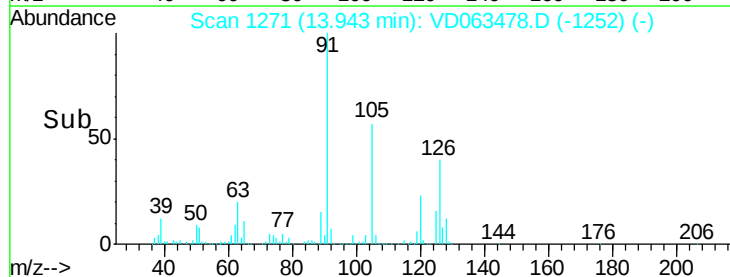
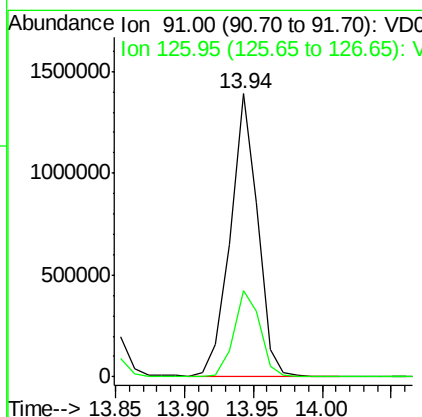
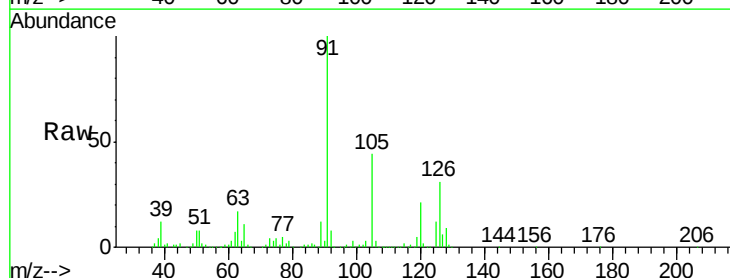
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

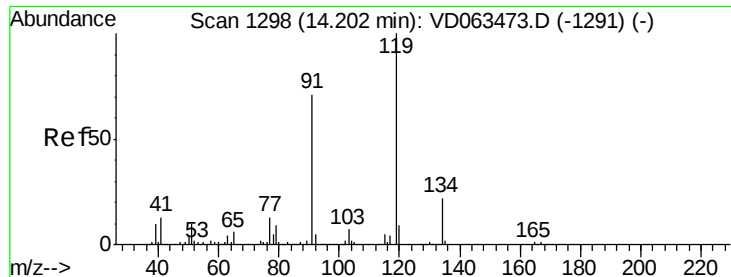
Tot Ion: 75 Resp: 125790
Ion Ratio Lower Upper
75 100
53 125.3 101.0 151.4
89 46.6 37.0 55.6



#82
4-Chlorotoluene
Concen: 51.163 ug/l
RT: 13.94 min Scan# 1271
Delta R.T. -0.01 min
Lab File: VD063478.D
Acq: 12 Aug 2019 10:43

Tgt Ion: 91 Resp: 1907781
Ion Ratio Lower Upper
91 100
126 30.5 15.2 45.6

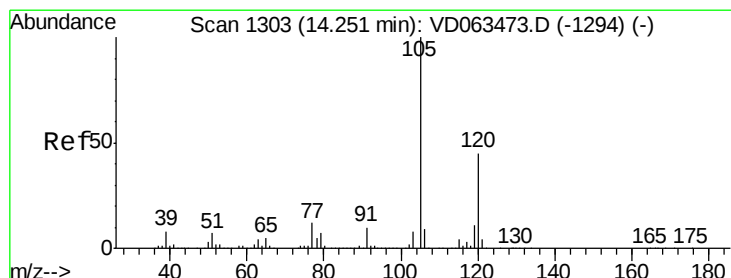
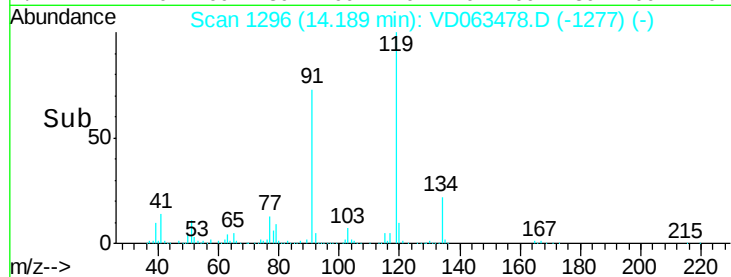
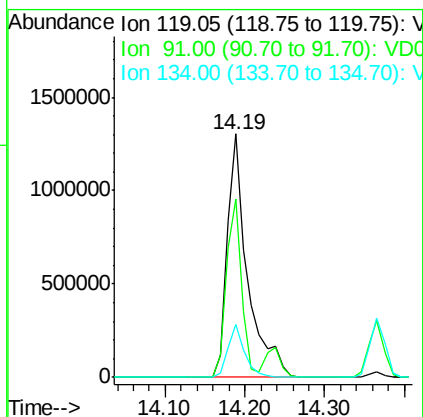
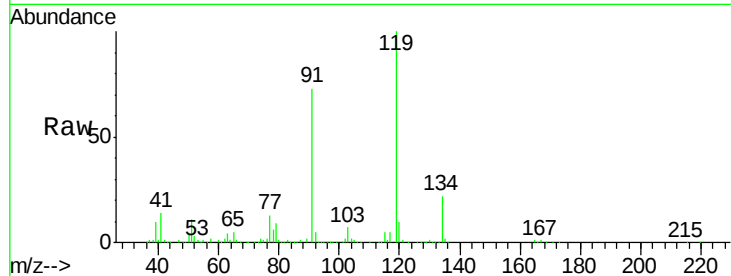




#83
 tert-Butylbenzene
 Concen: 55.137 ug/l
 RT: 14.19 min Scan# 1296
 Delta R.T. -0.01 min
 Lab File: VD063478.D
 Acq: 12 Aug 2019 10:43

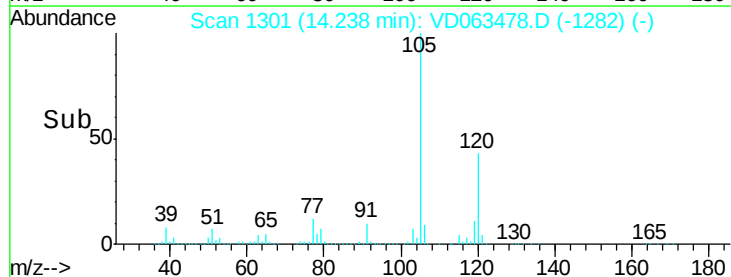
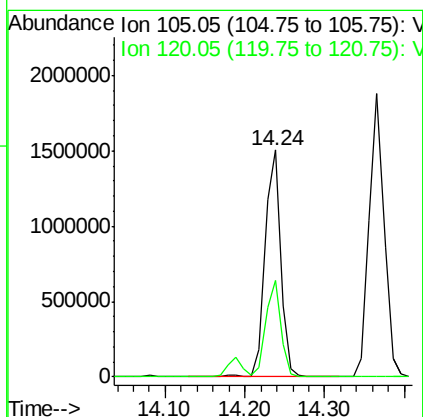
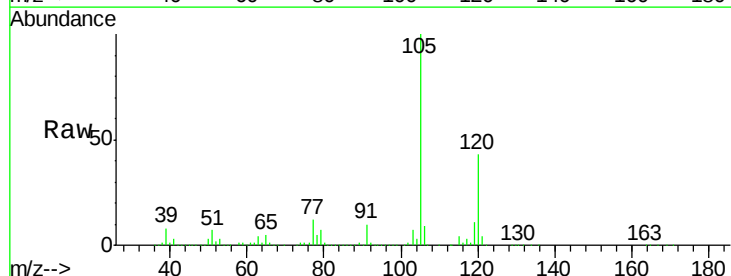
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

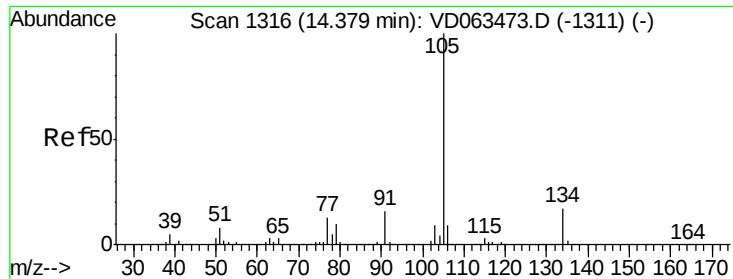
Tot Ion:119 Resp: 2331822
 Ion Ratio Lower Upper
 119 100
 91 73.0 35.5 106.7
 134 21.8 11.1 33.1



#84
 1,2,4-Trimethylbenzene
 Concen: 54.848 ug/l
 RT: 14.24 min Scan# 1301
 Delta R.T. -0.01 min
 Lab File: VD063478.D
 Acq: 12 Aug 2019 10:43

Tgt Ion:105 Resp: 2038146
 Ion Ratio Lower Upper
 105 100
 120 42.7 22.7 68.1





#85

sec-Butylbenzene

Concen: 53.356 ug/l

RT: 14.37 min Scan# 1314

Delta R.T. -0.01 min

Lab File: VD063478.D

Acq: 12 Aug 2019 10:43

Instrument :

MSVOA_D

ClientSampleId :

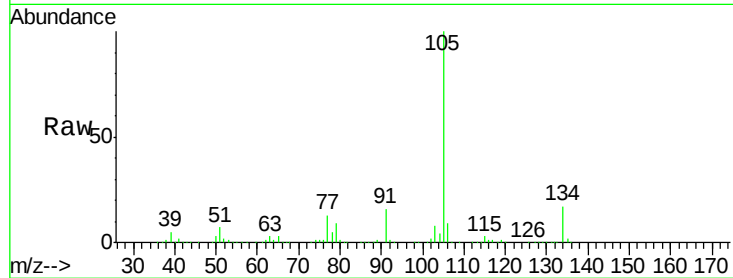
VSTDCCC050

Tot Ion:105 Resp: 2396367

Ion Ratio Lower Upper

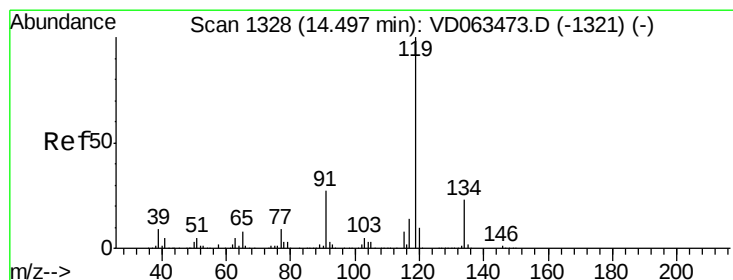
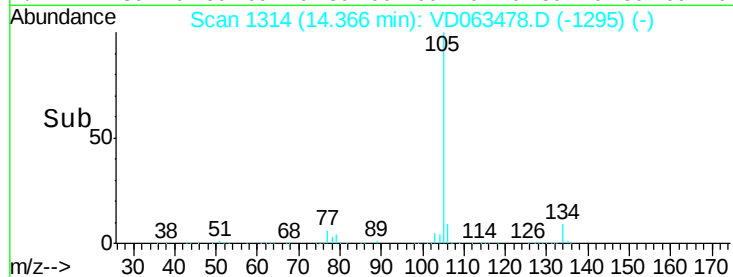
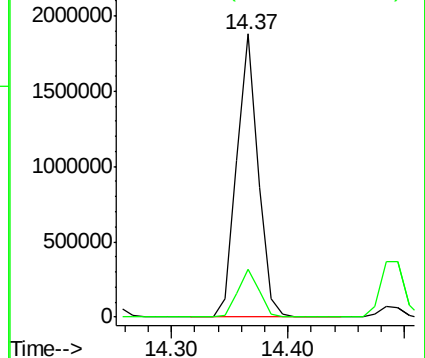
105 100

134 17.1 8.3 24.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 55.271 ug/l

RT: 14.48 min Scan# 1326

Delta R.T. -0.01 min

Lab File: VD063478.D

Acq: 12 Aug 2019 10:43

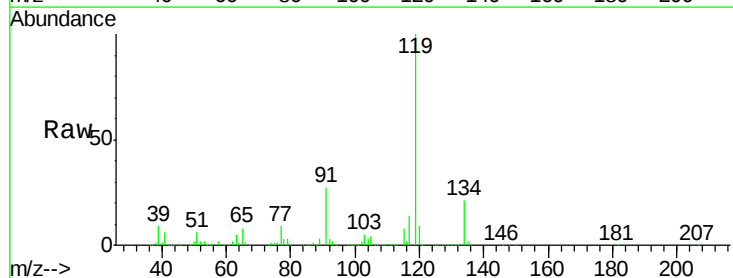
Tgt Ion:119 Resp: 2373484

Ion Ratio Lower Upper

119 100

134 21.2 11.3 33.8

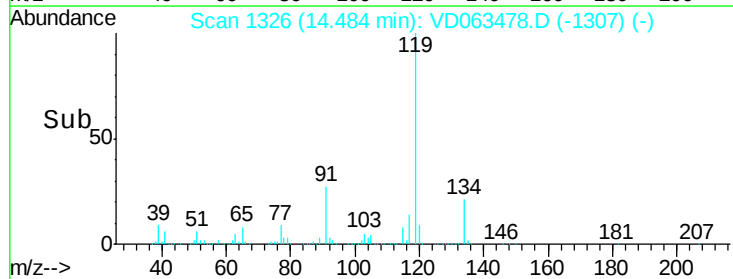
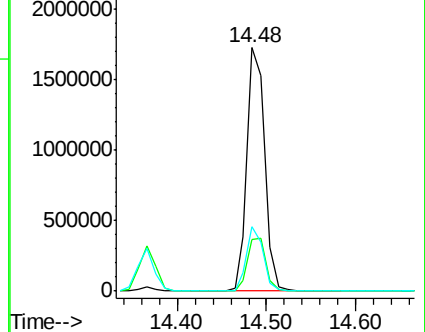
91 26.7 13.5 40.4

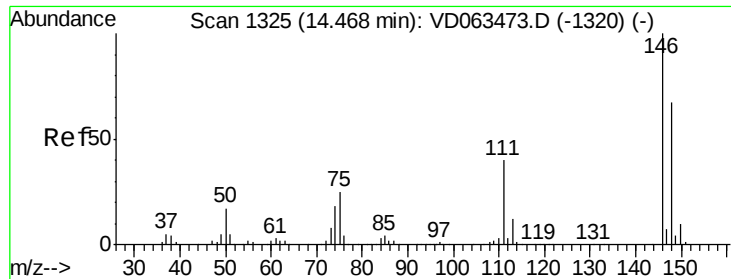


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

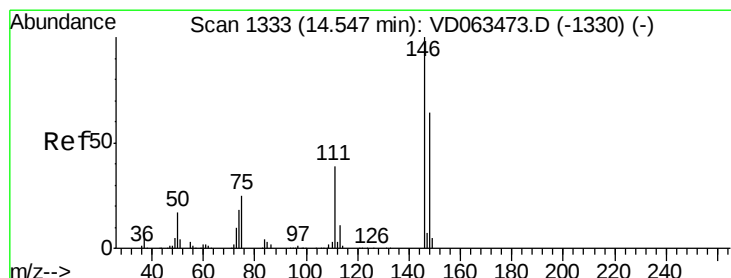
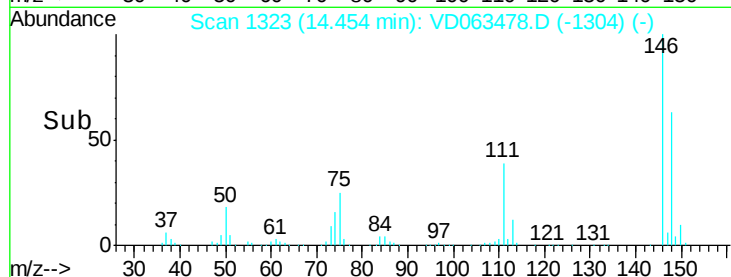
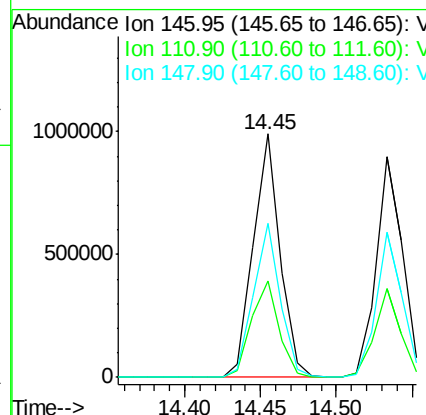
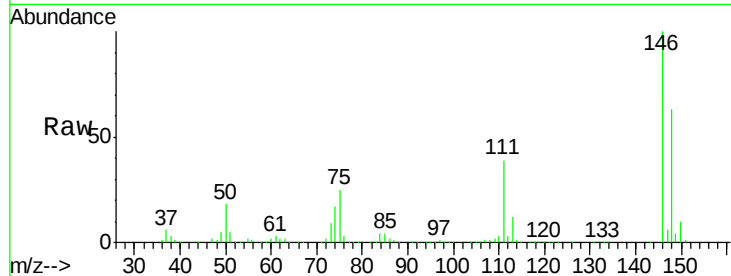




#87
 1,3-Dichlorobenzene
 Concen: 53.720 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: VD063478.D
 Acq: 12 Aug 2019 10:43

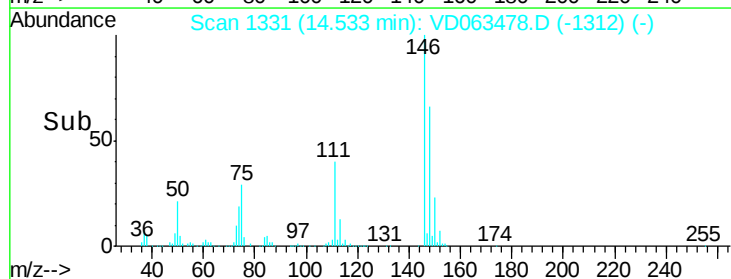
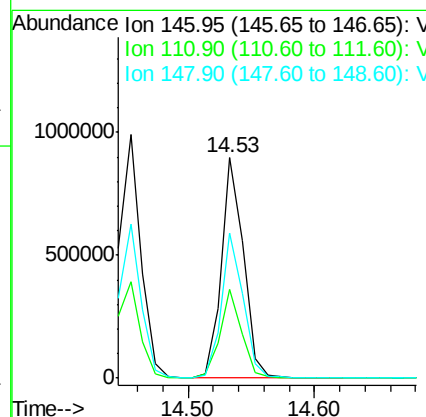
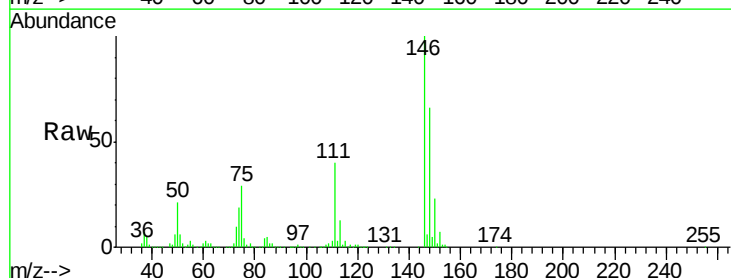
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

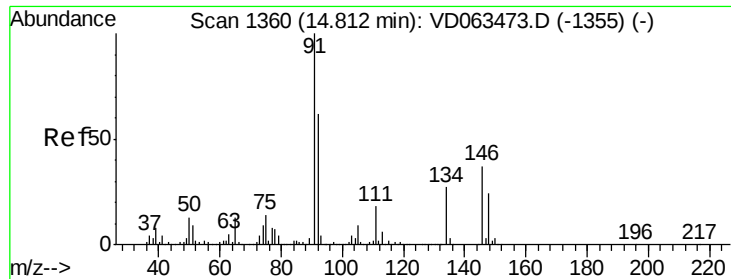
Tot Ion:146 Resp: 1220680
 Ion Ratio Lower Upper
 146 100
 111 39.5 20.0 60.0
 148 63.3 33.6 100.6



#88
 1,4-Dichlorobenzene
 Concen: 50.336 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: VD063478.D
 Acq: 12 Aug 2019 10:43

Tgt Ion:146 Resp: 1097373
 Ion Ratio Lower Upper
 146 100
 111 40.4 19.7 59.0
 148 65.6 32.1 96.3





#89

n-Butylbenzene

Concen: 55.335 ug/l

RT: 14.80 min Scan# 1358

Delta R.T. -0.01 min

Lab File: VD063478.D

Acq: 12 Aug 2019 10:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

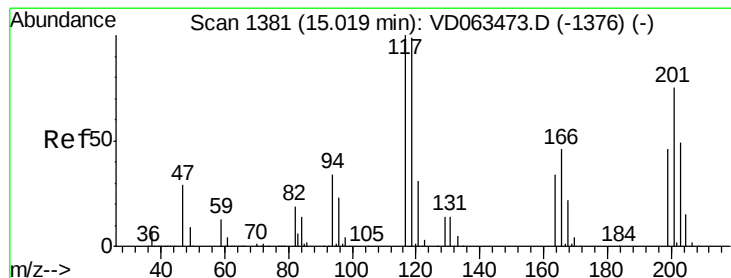
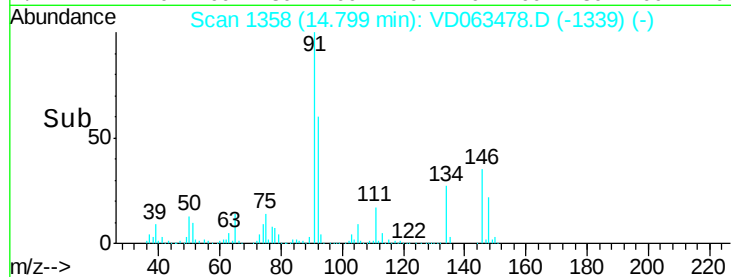
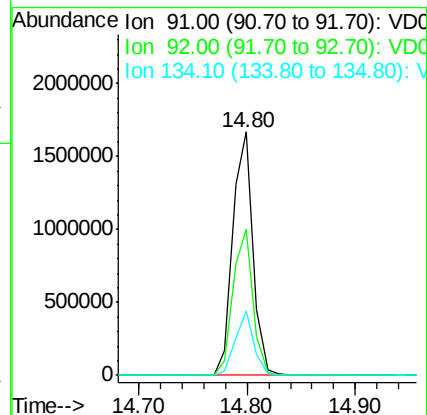
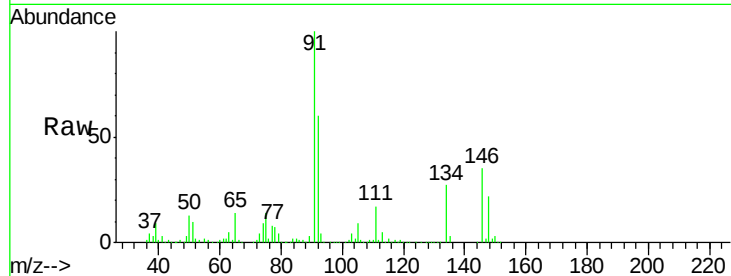
Tot Ion: 91 Resp: 2168770

Ion Ratio Lower Upper

91 100

92 59.9 30.8 92.3

134 26.6 13.4 40.2



#90

Hexachloroethane

Concen: 54.556 ug/l

RT: 15.01 min Scan# 1379

Delta R.T. -0.01 min

Lab File: VD063478.D

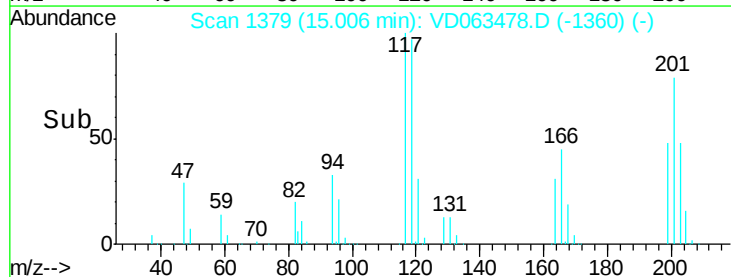
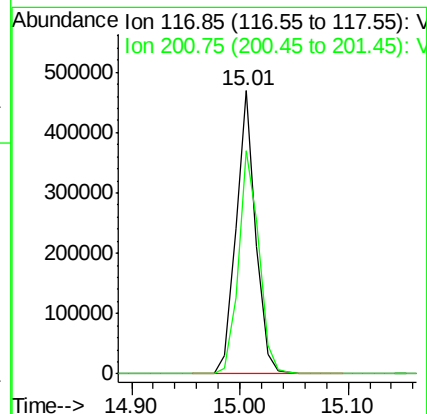
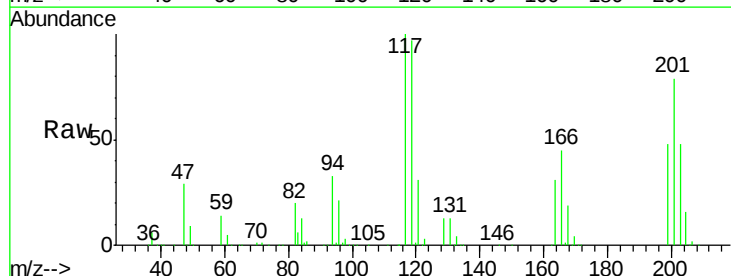
Acq: 12 Aug 2019 10:43

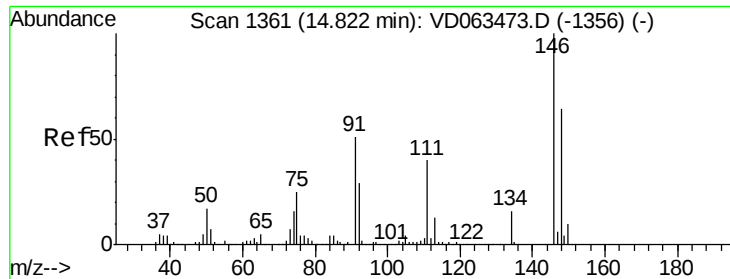
Tgt Ion: 117 Resp: 588856

Ion Ratio Lower Upper

117 100

201 78.6 37.5 112.5

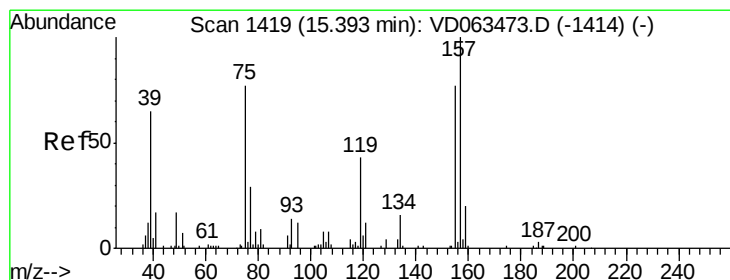
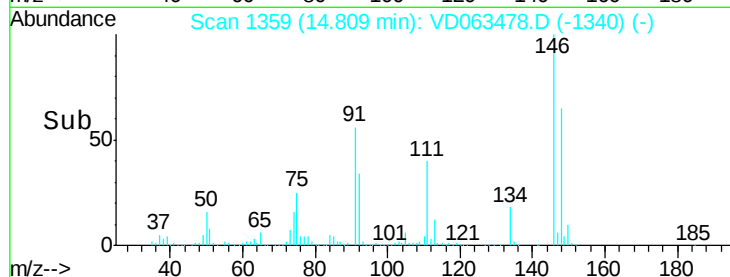
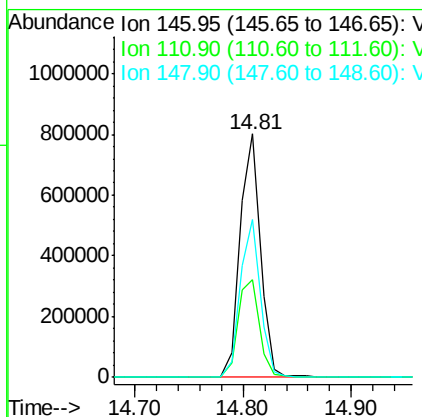
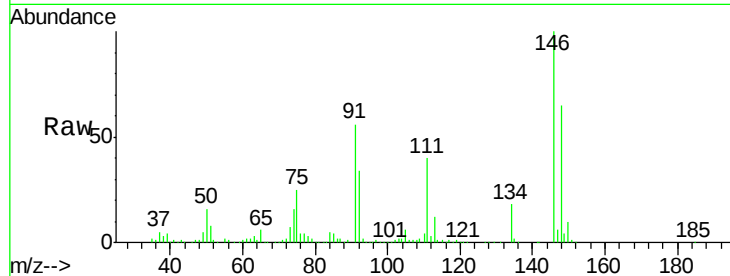




#91
 1,2-Dichlorobenzene
 Concen: 54.536 ug/l
 RT: 14.81 min Scan# 1359
 Delta R.T. -0.01 min
 Lab File: VD063478.D
 Acq: 12 Aug 2019 10:43

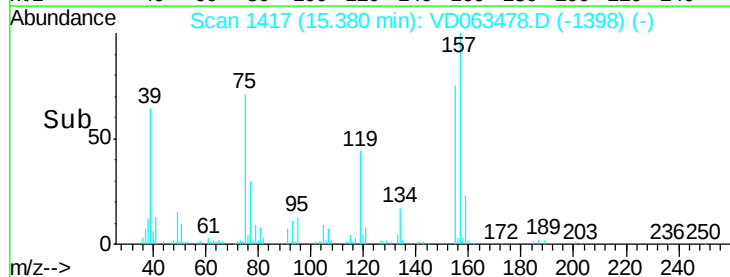
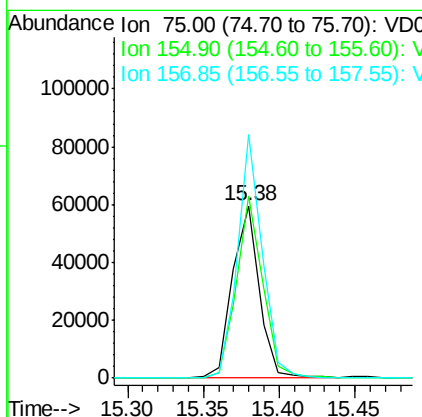
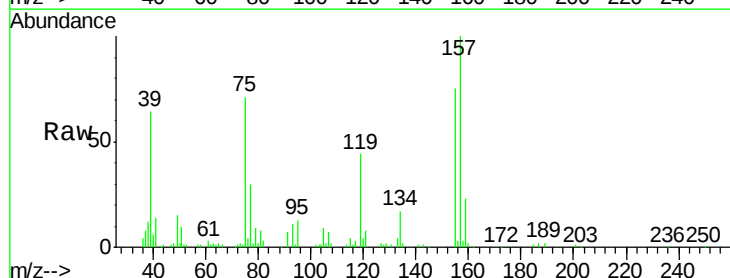
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

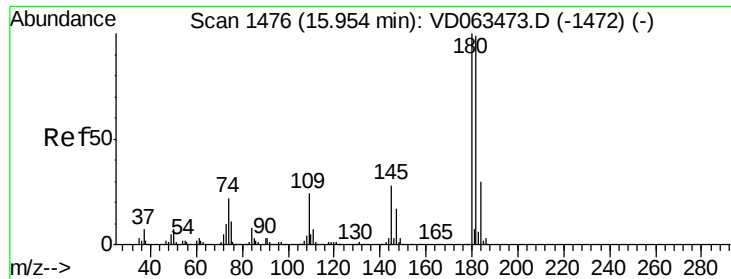
Tot Ion:146 Resp: 1051381
 Ion Ratio Lower Upper
 146 100
 111 39.9 20.2 60.6
 148 65.1 32.1 96.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.017 ug/l
 RT: 15.38 min Scan# 1417
 Delta R.T. -0.01 min
 Lab File: VD063478.D
 Acq: 12 Aug 2019 10:43

Tgt Ion: 75 Resp: 73288
 Ion Ratio Lower Upper
 75 100
 155 105.5 50.1 150.3
 157 141.2 65.0 195.1

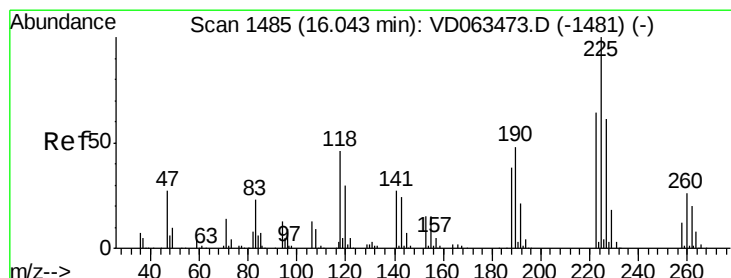
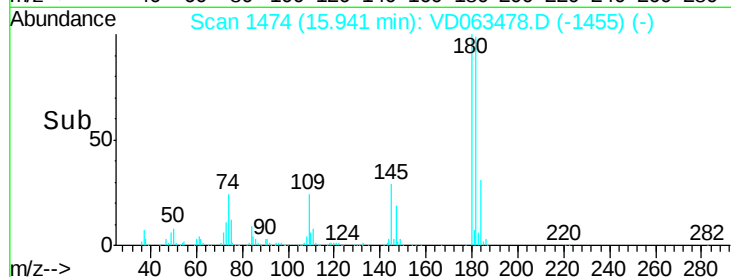
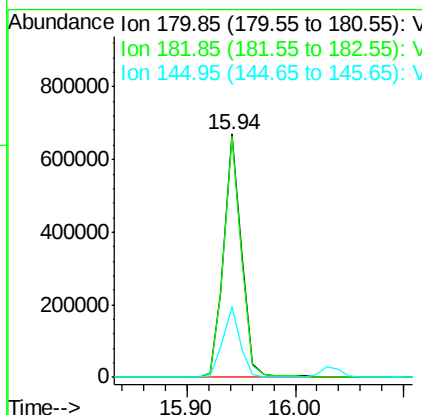
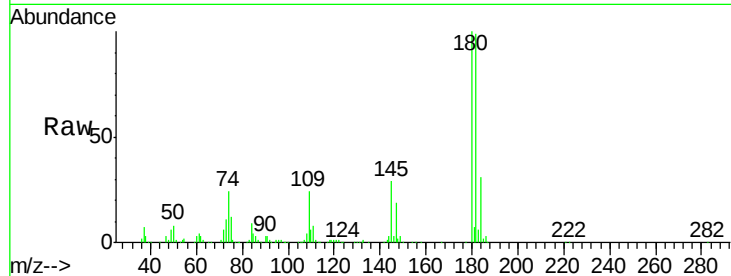




#93
 1,2,4-Trichlorobenzene
 Concen: 54.364 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: VD063478.D
 Acq: 12 Aug 2019 10:43

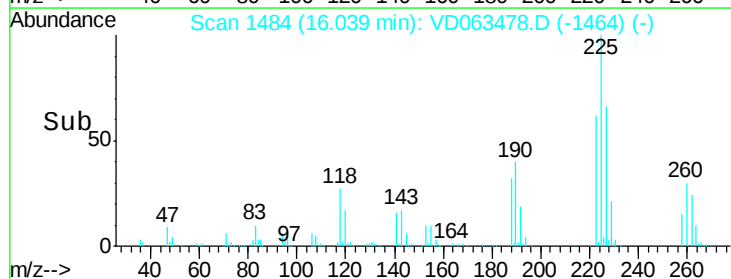
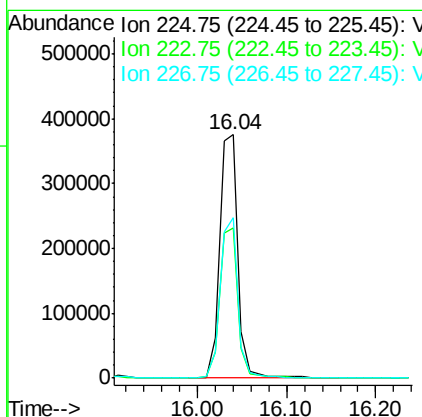
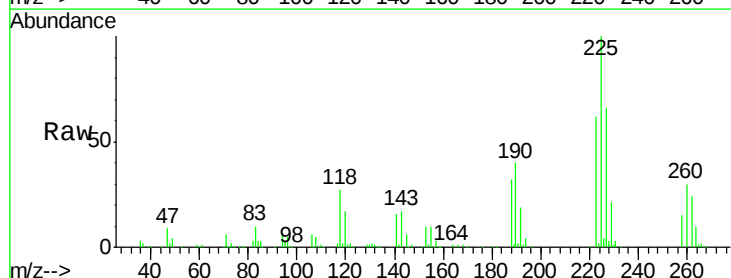
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

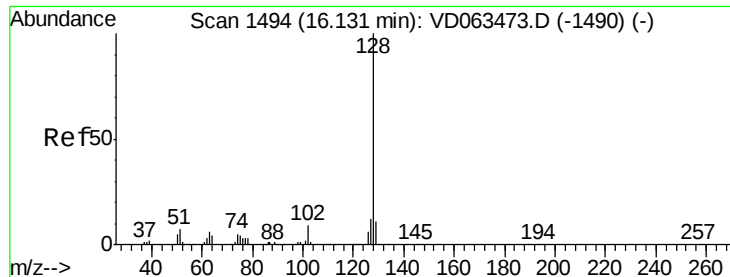
Tot Ion:180 Resp: 771200
 Ion Ratio Lower Upper
 180 100
 182 98.9 49.7 149.1
 145 29.2 14.1 42.2



#94
 Hexachlorobutadiene
 Concen: 49.744 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VD063478.D
 Acq: 12 Aug 2019 10:43

Tgt Ion:225 Resp: 537807
 Ion Ratio Lower Upper
 225 100
 223 61.8 31.9 95.5
 227 65.9 30.7 92.1

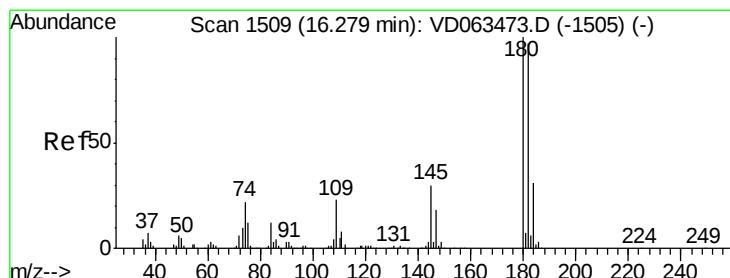
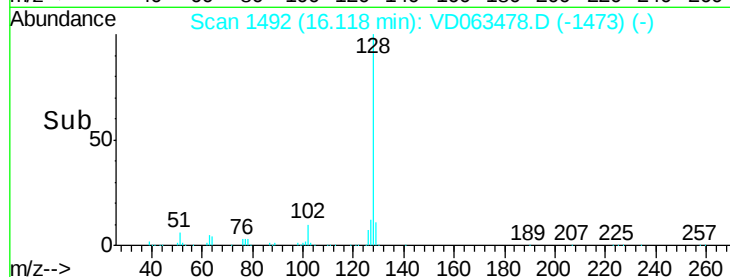
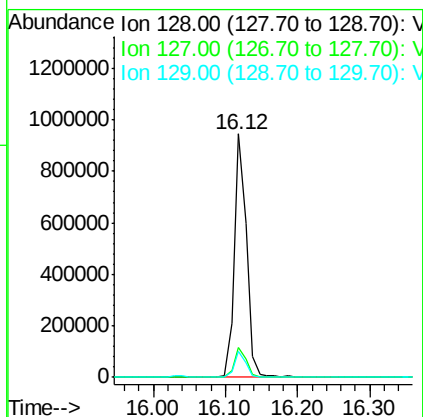
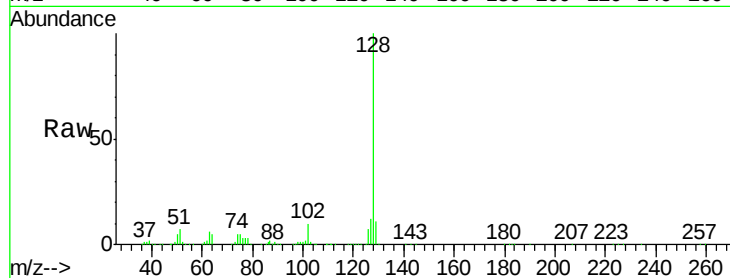




#95
Naphthalene
Concen: 51.948 ug/l
RT: 16.12 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VD063478.D
Acq: 12 Aug 2019 10:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 1116818
Ion Ratio Lower Upper
128 100
127 12.4 9.4 14.0
129 10.6 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 54.250 ug/l
RT: 16.27 min Scan# 1507
Delta R.T. -0.01 min
Lab File: VD063478.D
Acq: 12 Aug 2019 10:43

Tgt Ion:180 Resp: 621578
Ion Ratio Lower Upper
180 100
182 97.2 48.4 145.2
145 30.0 14.9 44.9

