

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081219\
 Data File : VD063502.D
 Acq On : 12 Aug 2019 22:48
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 13 01:26:56 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	7.04	168	1051639	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.22	114	1510353	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.37	117	1257074	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	656637	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	635802	56.56	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	113.12%	
35) Dibromofluoromethane	6.93	113	680968	53.53	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	107.06%	
50) Toluene-d8	10.41	98	1474534	52.73	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	105.46%	
62) 4-Bromofluorobenzene	13.55	95	655601	51.72	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	103.44%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	608155	47.800	ug/l	100
3) Chloromethane	1.75	50	513905	51.698	ug/l	98
4) Vinyl Chloride	1.85	62	521254	52.822	ug/l	94
5) Bromomethane	2.15	94	261336	56.125	ug/l #	97
6) Chloroethane	2.27	64	250740	55.564	ug/l	93
7) Trichlorofluoromethane	2.54	101	1024183	52.912	ug/l	98
8) Diethyl Ether	2.87	74	152729	55.885	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.15	101	611069	53.464	ug/l	97
10) Methyl Iodide	3.30	142	878083	54.297	ug/l	94
11) Tert butyl alcohol	4.07	59	148133	302.712	ug/l #	87
12) 1,1-Dichloroethene	3.13	96	451449	53.126	ug/l	99
13) Acrolein	3.03	56	124663	258.811	ug/l	94
14) Allyl chloride	3.62	41	682091	53.395	ug/l	94
15) Acrylonitrile	4.20	53	365711	282.146	ug/l	98
16) Acetone	3.23	43	572034	250.330	ug/l	100
17) Carbon Disulfide	3.37	76	1364756	50.888	ug/l	99
18) Methyl Acetate	3.65	43	249146	57.562	ug/l	96
19) Methyl tert-butyl Ether	4.24	73	996764	58.652	ug/l	99
20) Methylene Chloride	3.82	84	472476	47.816	ug/l #	92
21) trans-1,2-Dichloroethene	4.22	96	479987	53.676	ug/l	99
22) Diisopropyl ether	5.13	45	1400952	53.146	ug/l	93
23) Vinyl Acetate	5.06	43	4262018	278.113	ug/l	99
24) 1,1-Dichloroethane	4.99	63	911509	55.751	ug/l	99
25) 2-Butanone	6.07	43	611600	270.996	ug/l	98
26) 2,2-Dichloropropane	6.02	77	820137	50.362	ug/l	99
27) cis-1,2-Dichloroethene	6.04	96	525458	53.708	ug/l	97
28) Bromochloromethane	6.43	49	367992	55.535	ug/l	98
29) Tetrahydrofuran	6.46	42	302014	287.184	ug/l	100
30) Chloroform	6.66	83	1093639	53.815	ug/l	97
31) Cyclohexane	6.96	56	551276	54.313	ug/l	91
32) 1,1,1-Trichloroethane	6.88	97	1036379	53.312	ug/l	96
36) 1,1-Dichloropropene	7.15	75	724544	54.265	ug/l	97
37) Ethyl Acetate	6.19	43	299405	53.515	ug/l	97
38) Carbon Tetrachloride	7.11	117	1155142	57.405	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	544284	47.939	ug/l	95
40) Benzene	7.46	78	1540299	52.422	ug/l	99
41) Methacrylonitrile	6.45	41	401554	57.002	ug/l	97
42) 1,2-Dichloroethane	7.58	62	836890	56.645	ug/l	99
43) Isopropyl Acetate	9.24	43	428267	57.153	ug/l #	99
44) Trichloroethene	8.54	130	591184	52.640	ug/l	100
45) 1,2-Dichloropropane	8.94	63	370556	54.155	ug/l	92
46) Dibromomethane	9.06	93	332376	56.881	ug/l	95
47) Bromodichloromethane	9.38	83	876937	58.506	ug/l	99
48) Methyl methacrylate	9.12	41	277411	54.589	ug/l	98
49) 1,4-Dioxane	9.08	88	46552	1025.198	ug/l #	78
51) 4-Methyl-2-Pentanone	10.30	43	1499167	292.381	ug/l	97
52) Toluene	10.51	92	1026979	54.265	ug/l	99
53) t-1,3-Dichloropropene	10.91	75	683299	55.860	ug/l	99
54) cis-1,3-Dichloropropene	10.04	75	735147	53.299	ug/l	91
55) 1,1,2-Trichloroethane	11.19	97	342187	53.526	ug/l	98
56) Ethyl methacrylate	11.04	69	400724	57.751	ug/l	93
57) 1,3-Dichloropropane	11.41	76	530610	54.910	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.86	63	1030093	281.199	ug/l	98
59) 2-Hexanone	11.53	43	987154	264.591	ug/l	96
60) Dibromochloromethane	11.69	129	672102	57.776	ug/l	98
61) 1,2-Dibromoethane	11.81	107	419260	54.174	ug/l	96
64) Tetrachloroethene	11.26	164	524649	54.064	ug/l	98
65) Chlorobenzene	12.40	112	1283050	54.457	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	562641	54.262	ug/l	96
67) Ethyl Benzene	12.53	91	2120930	51.773	ug/l	98
68) m/p-Xylenes	12.67	106	1516186	105.344	ug/l	95
69) o-Xylene	13.05	106	721979	52.119	ug/l	100
70) Styrene	13.07	104	1264668	51.325	ug/l	96
71) Bromoform	13.24	173	416236	58.543	ug/l	98
73) Isopropylbenzene	13.40	105	2279641	54.582	ug/l	100
74) N-amyl acetate	13.27	43	610291	58.209	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.70	83	424179	61.188	ug/l	97
76) 1,2,3-Trichloropropane	13.73	75	434624	57.673	ug/l	99
77) Bromobenzene	13.67	156	629966	55.189	ug/l	95
78) n-propylbenzene	13.78	91	2557633	52.338	ug/l	100
79) 2-Chlorotoluene	13.84	91	1468962	52.135	ug/l	99
80) 1,3,5-Trimethylbenzene	13.94	105	1780348	48.787	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.47	75	108731	53.682	ug/l	99
82) 4-Chlorotoluene	13.95	91	1659765	48.987	ug/l	97
83) tert-Butylbenzene	14.19	119	2046398	53.253	ug/l	98
84) 1,2,4-Trimethylbenzene	14.24	105	1846284	54.680	ug/l	97
85) sec-Butylbenzene	14.37	105	2123260	52.029	ug/l	99
86) p-Isopropyltoluene	14.49	119	2034313	52.135	ug/l	99
87) 1,3-Dichlorobenzene	14.46	146	1111196	53.819	ug/l	97
88) 1,4-Dichlorobenzene	14.54	146	1075985	54.317	ug/l	98
89) n-Butylbenzene	14.80	91	1888841	53.038	ug/l	98
90) Hexachloroethane	15.01	117	556612	56.754	ug/l	93
91) 1,2-Dichlorobenzene	14.81	146	964196	55.042	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.38	75	78056	59.799	ug/l	92

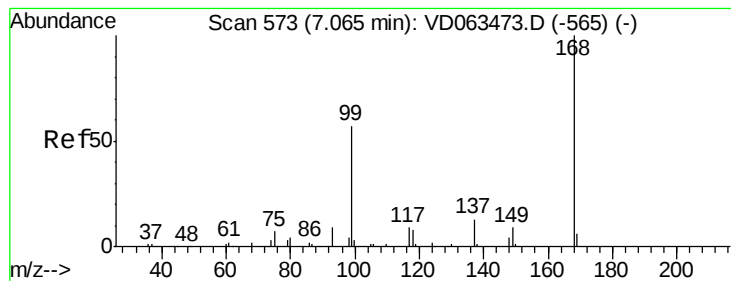
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081219\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	699476	54.266	ug/l	94
94) Hexachlorobutadiene	16.03	225	532474	54.202	ug/l	96
95) Naphthalene	16.12	128	1104038	56.517	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	588153	56.494	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.02 min

Lab File: VD063502.D

Acq: 12 Aug 2019 22:48

Instrument :

MSVOA_D

ClientSampleId :

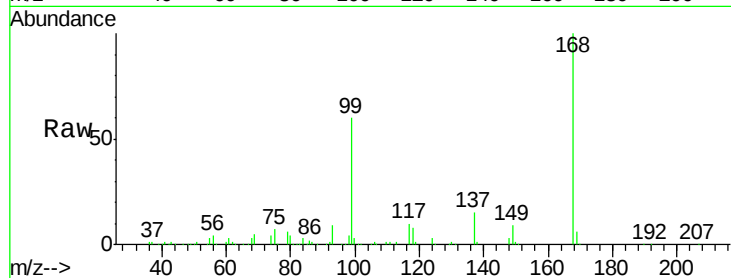
VSTDCCC050

Tot Ion:168 Resp: 1051639

Ion Ratio Lower Upper

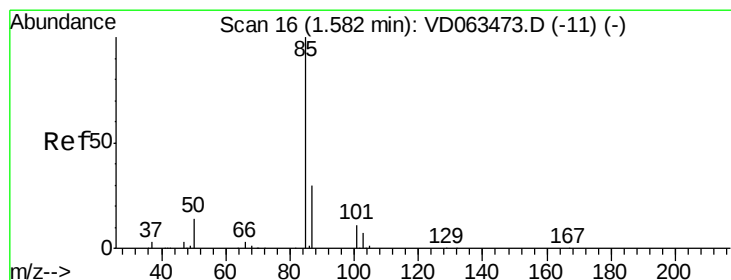
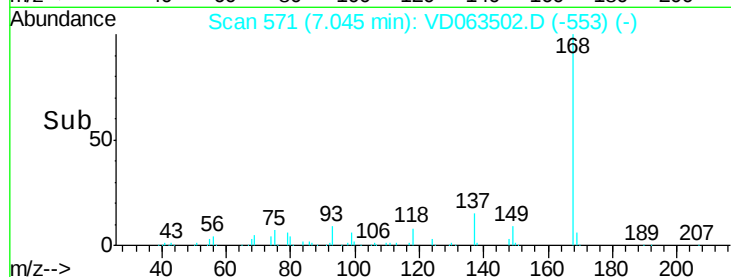
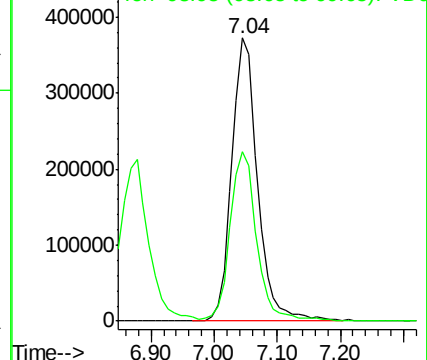
168 100

99 59.7 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: 47.800 ug/l

RT: 1.57 min Scan# 15

Delta R.T. -0.01 min

Lab File: VD063502.D

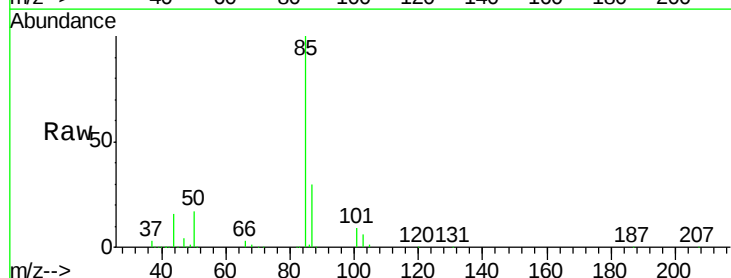
Acq: 12 Aug 2019 22:48

Tgt Ion: 85 Resp: 608155

Ion Ratio Lower Upper

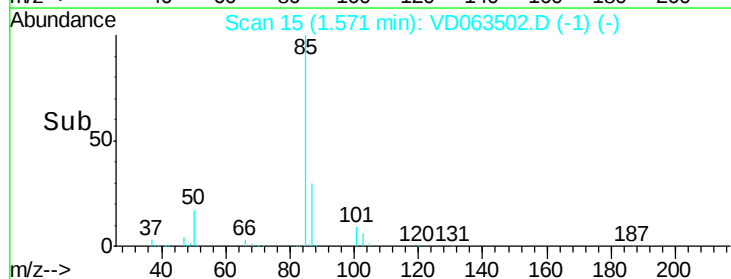
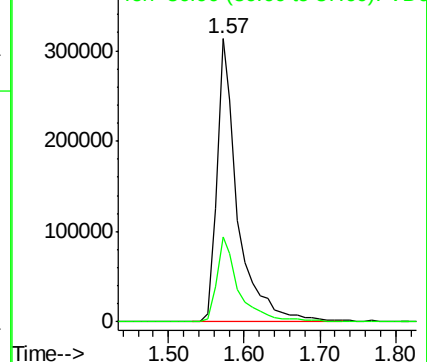
85 100

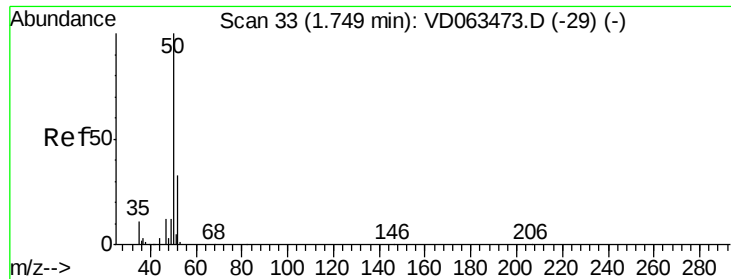
87 29.8 15.0 45.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 51.698 ug/l

RT: 1.75 min Scan# 33

Delta R.T. -0.00 min

Lab File: VD063502.D

Acq: 12 Aug 2019 22:48

Instrument :

MSVOA_D

ClientSampleId :

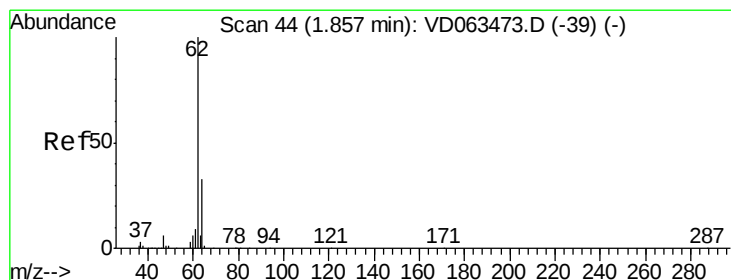
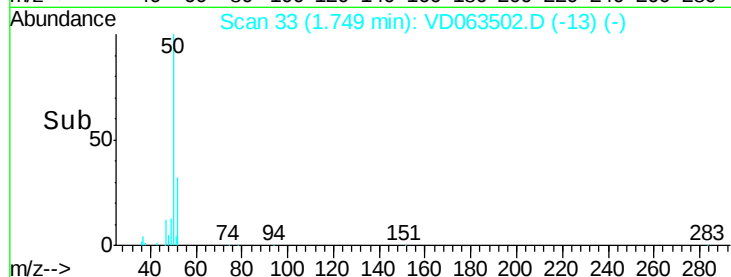
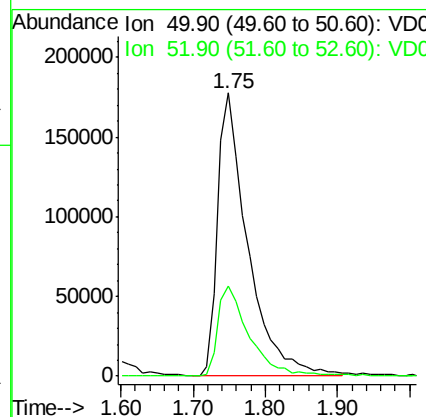
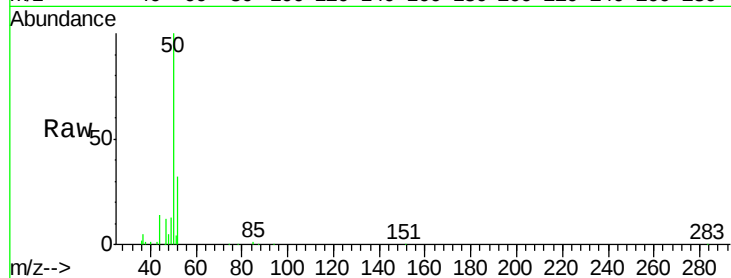
VSTDCCC050

Tot Ion: 50 Resp: 513905

Ion Ratio Lower Upper

50 100

52 31.9 26.6 40.0



#4

Vinyl Chloride

Concen: 52.822 ug/l

RT: 1.85 min Scan# 43

Delta R.T. -0.01 min

Lab File: VD063502.D

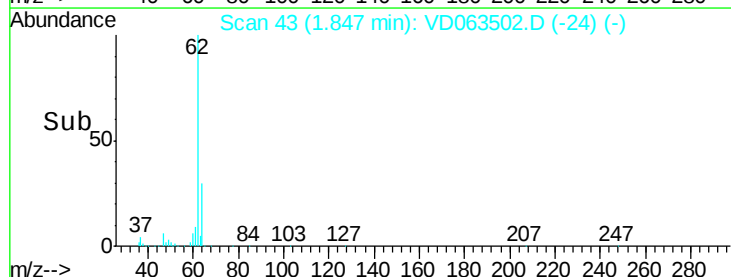
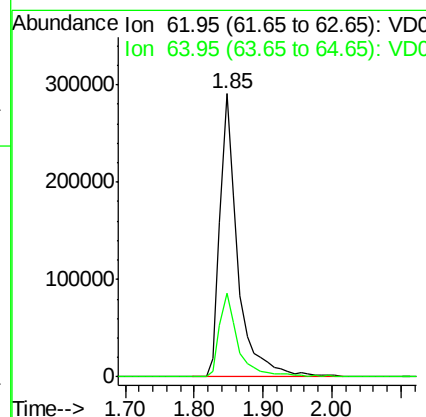
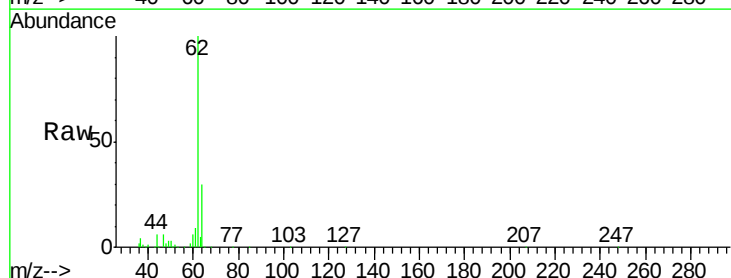
Acq: 12 Aug 2019 22:48

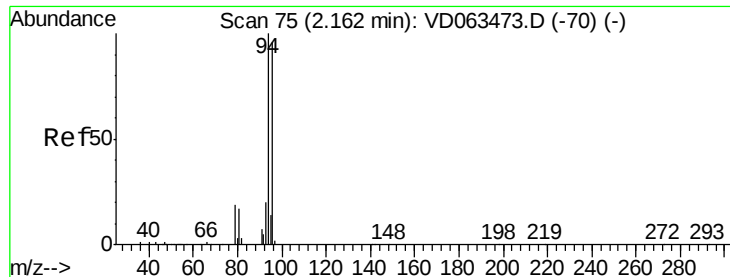
Tgt Ion: 62 Resp: 521254

Ion Ratio Lower Upper

62 100

64 29.6 26.4 39.6





#5

Bromomethane

Concen: 56.125 ug/l

RT: 2.15 min Scan# 74

Delta R.T. -0.01 min

Lab File: VD063502.D

Acq: 12 Aug 2019 22:48

Instrument :

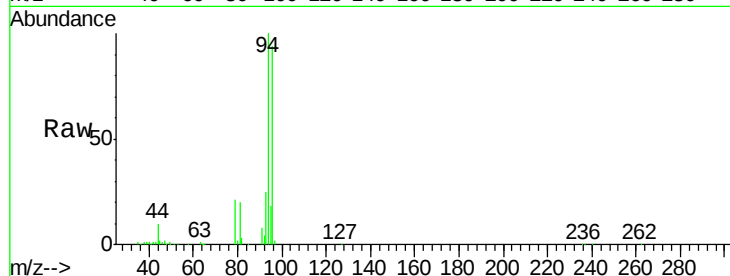
MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 261336

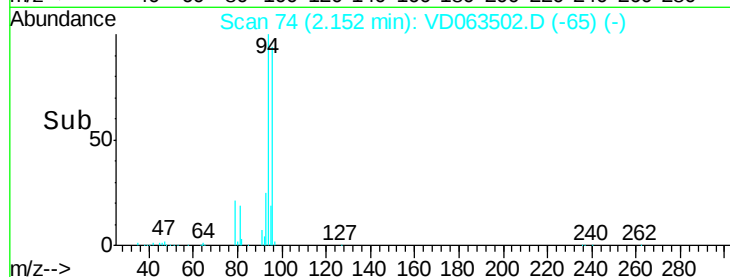
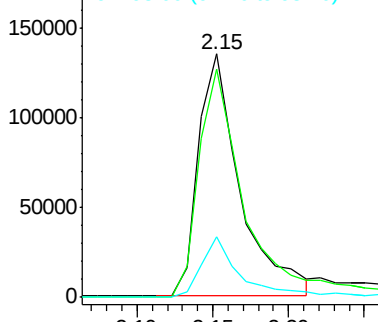
Ion	Ratio	Lower	Upper
94	100		
96	93.7	76.5	114.7
93	24.7	15.8	23.8#



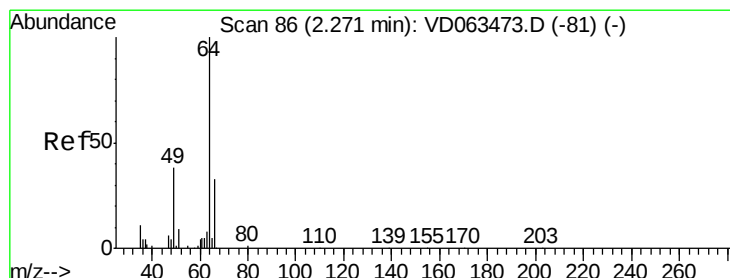
Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



Time-->



#6

Chloroethane

Concen: 55.564 ug/l

RT: 2.27 min Scan# 86

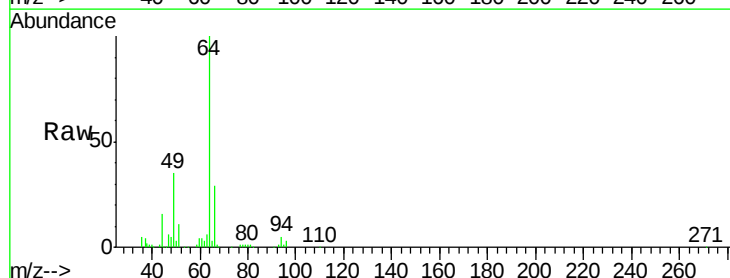
Delta R.T. -0.00 min

Lab File: VD063502.D

Acq: 12 Aug 2019 22:48

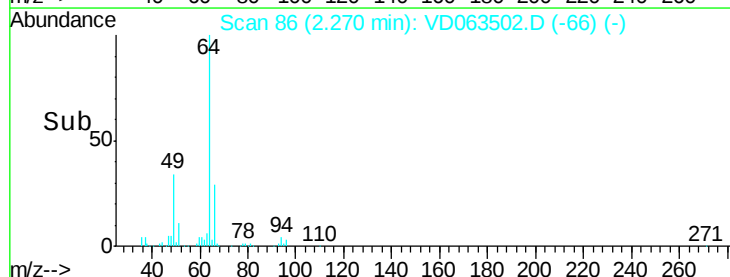
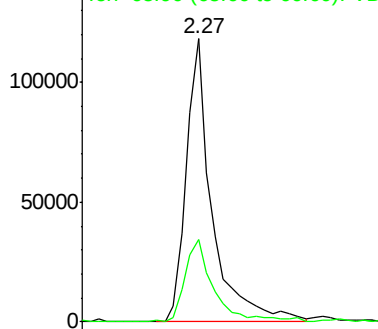
Tgt Ion: 64 Resp: 250740

Ion	Ratio	Lower	Upper
64	100		
66	29.0	26.3	39.5

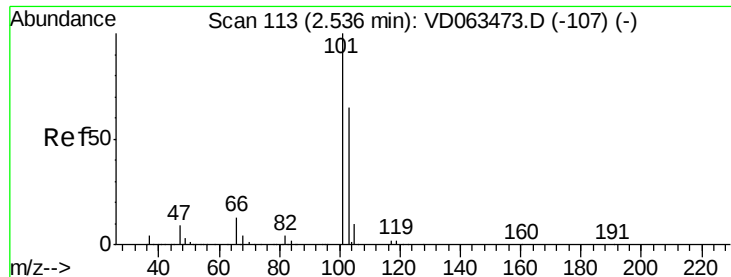


Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



Time-->

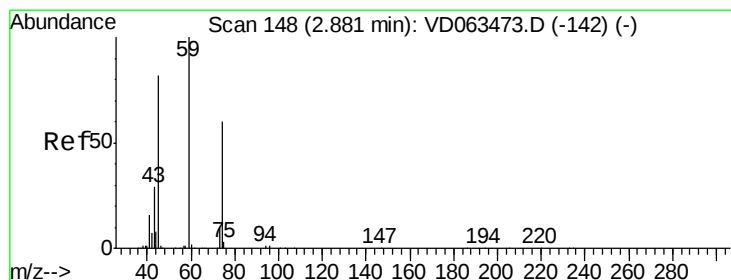
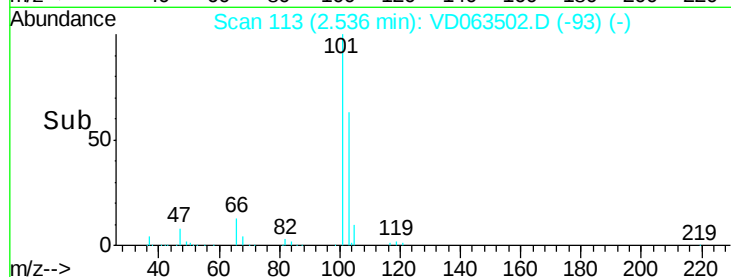
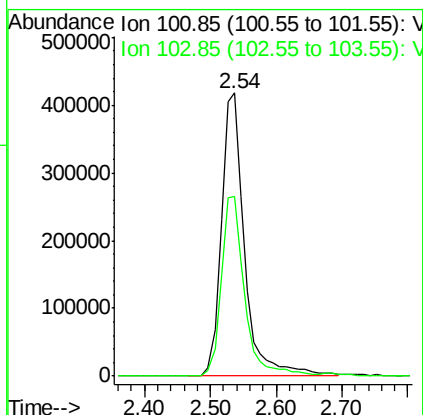
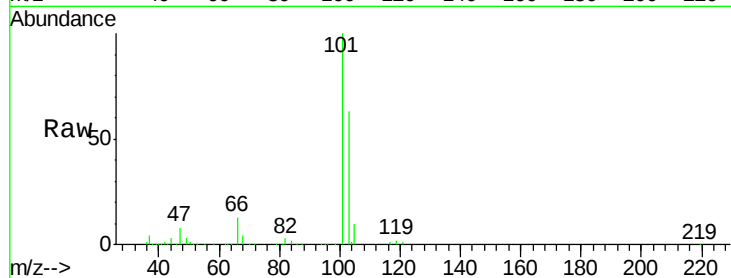


#7

Trichlorofluoromethane
 Concen: 52.912 ug/l
 RT: 2.54 min Scan# 113
 Delta R.T. -0.00 min
 Lab File: VD063502.D
 Acq: 12 Aug 2019 22:48

Instrument :
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 ClientSampleId :
 VSTDCCC050

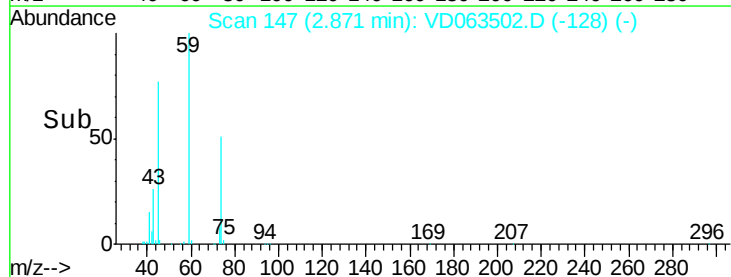
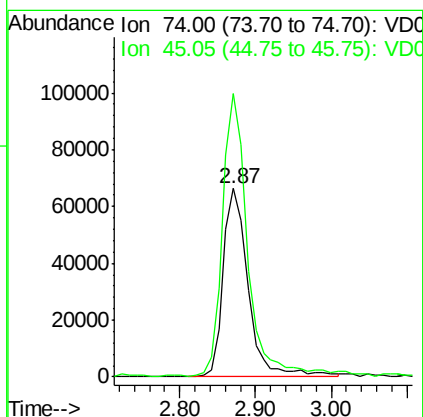
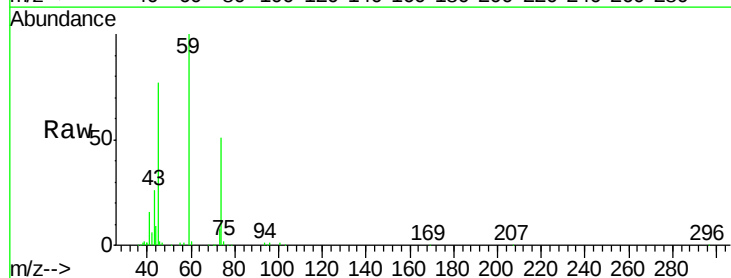
Tot Ion:101 Resp: 1024183
 Ion Ratio Lower Upper
 101 100
 103 63.4 52.2 78.4



#8

Diethyl Ether
 Concen: 55.885 ug/l
 RT: 2.87 min Scan# 147
 Delta R.T. -0.01 min
 Lab File: VD063502.D
 Acq: 12 Aug 2019 22:48

Tgt Ion: 74 Resp: 152729
 Ion Ratio Lower Upper
 74 100
 45 150.3 68.5 205.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.464 ug/l

RT: 3.15 min Scan# 175

Delta R.T. -0.01 min

Lab File: VD063502.D

Acq: 12 Aug 2019 22:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

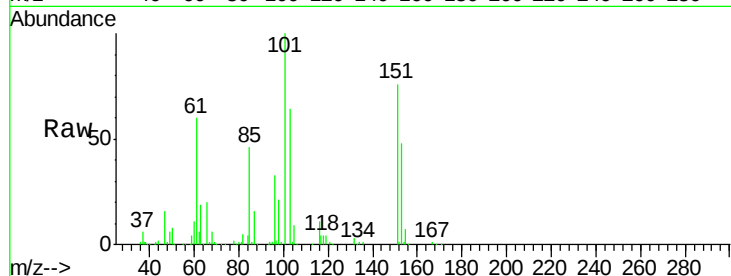
Tot Ion:101 Resp: 611069

Ion Ratio Lower Upper

101 100

85 46.1 35.8 53.6

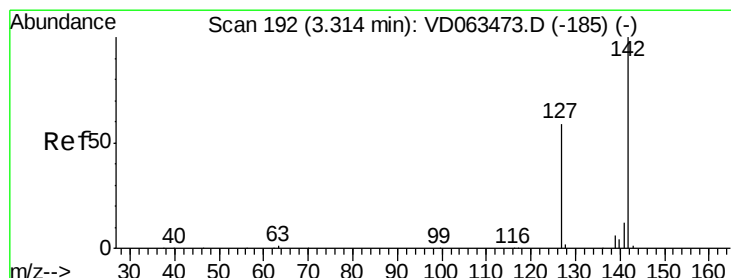
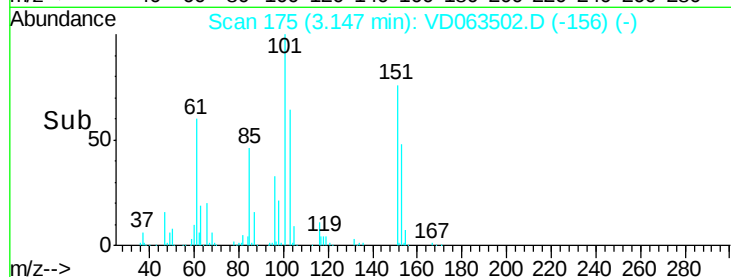
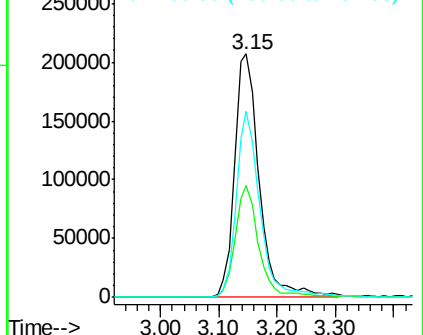
151 76.3 58.6 88.0



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



#10

Methyl Iodide

Concen: 54.297 ug/l

RT: 3.30 min Scan# 191

Delta R.T. -0.01 min

Lab File: VD063502.D

Acq: 12 Aug 2019 22:48

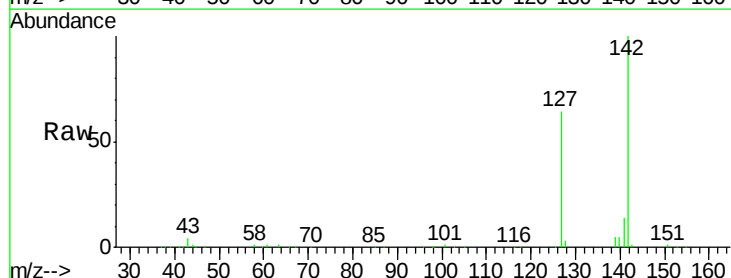
Tgt Ion:142 Resp: 878083

Ion Ratio Lower Upper

142 100

127 63.9 47.2 70.8

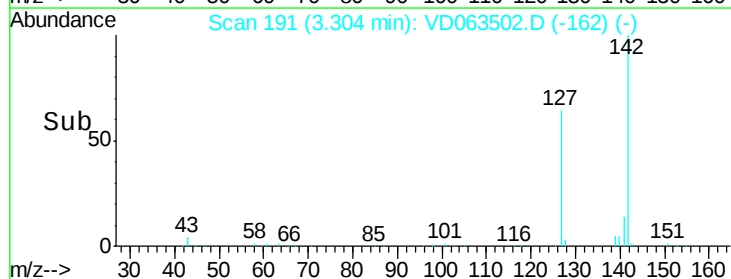
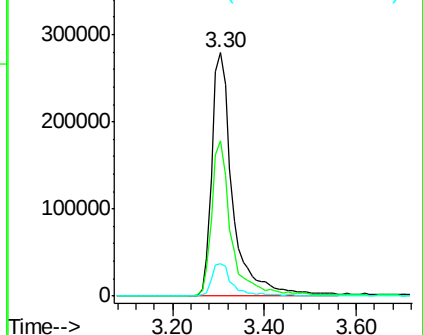
141 13.6 9.8 14.8

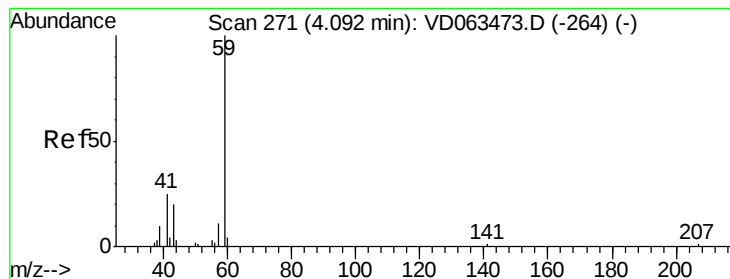


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#11

Tert butyl alcohol

Concen: 302.712 ug/l

RT: 4.07 min Scan# 269

Delta R.T. -0.02 min

Lab File: VD063502.D

Acq: 12 Aug 2019 22:48

Instrument :

MSVOA_D

ClientSampleId :

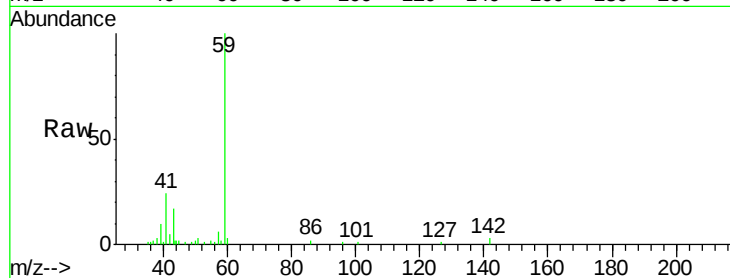
VSTDCCC050

Tot Ion: 59 Resp: 148133

Ion Ratio Lower Upper

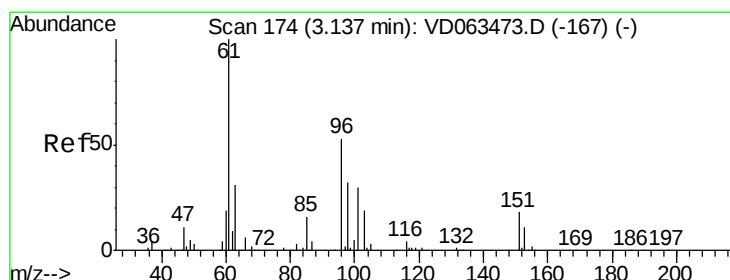
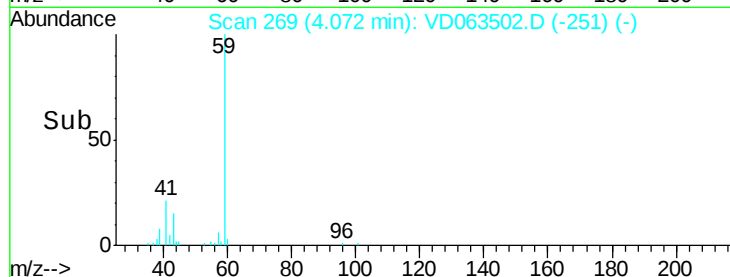
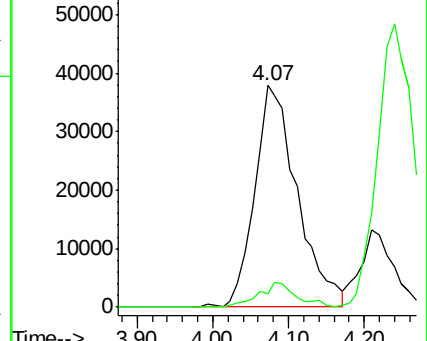
59 100

57 6.0 8.7 13.1#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC



#12

1,1-Dichloroethene

Concen: 53.126 ug/l

RT: 3.13 min Scan# 173

Delta R.T. -0.01 min

Lab File: VD063502.D

Acq: 12 Aug 2019 22:48

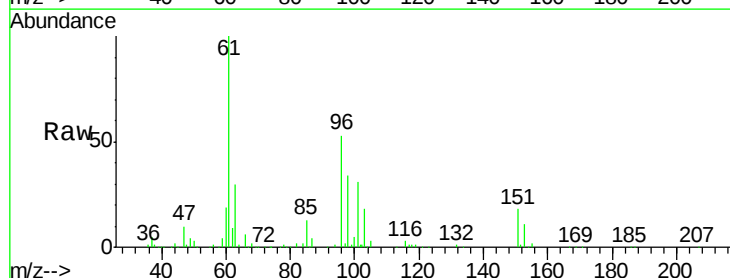
Tgt Ion: 96 Resp: 451449

Ion Ratio Lower Upper

96 100

61 190.0 151.7 227.5

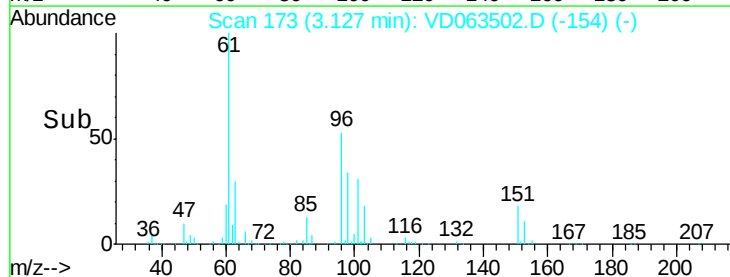
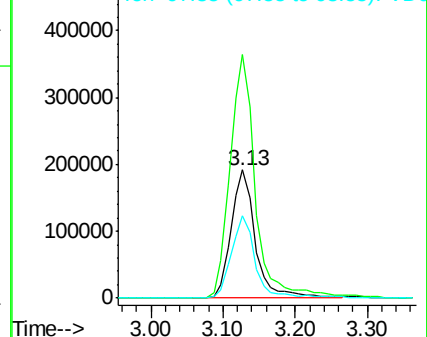
98 63.7 48.4 72.6

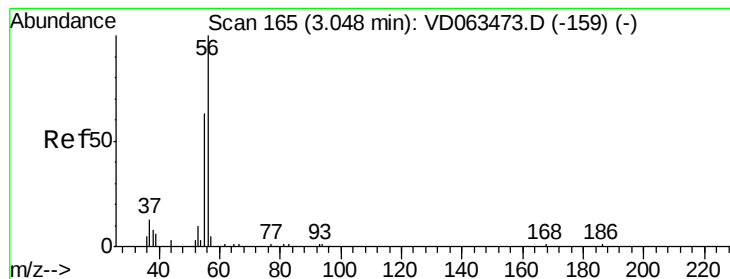


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#13

Acrolein

Concen: 258.811 ug/l

RT: 3.03 min Scan# 163

Delta R.T. -0.02 min

Lab File: VD063502.D

Acq: 12 Aug 2019 22:48

Instrument :

MSVOA_D

ClientSampleId :

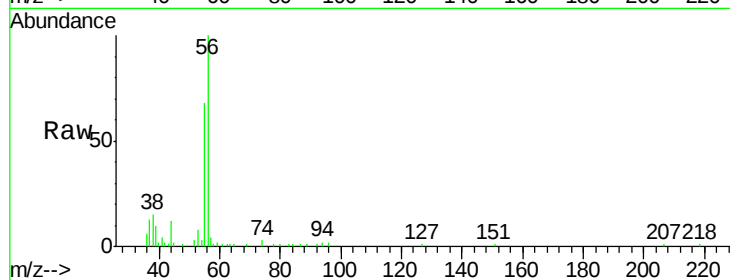
VSTDCCC050

Tot Ion: 56 Resp: 124663

Ion Ratio Lower Upper

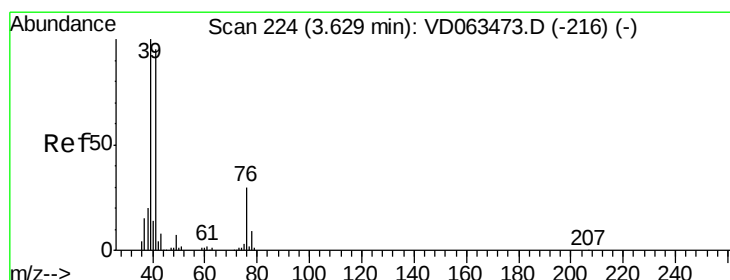
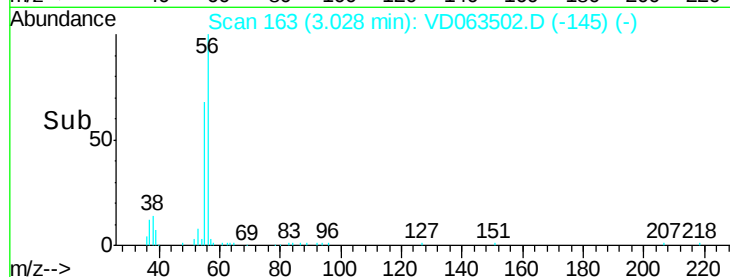
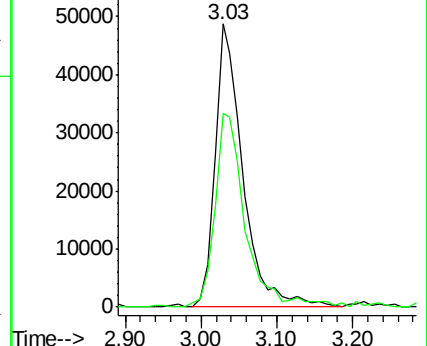
56 100

55 68.5 51.3 76.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 53.395 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.01 min

Lab File: VD063502.D

Acq: 12 Aug 2019 22:48

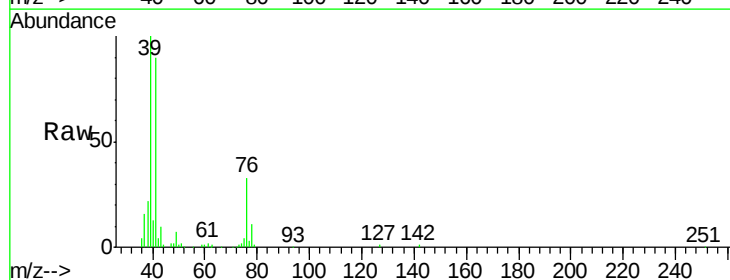
Tgt Ion: 41 Resp: 682091

Ion Ratio Lower Upper

41 100

39 111.4 84.2 126.4

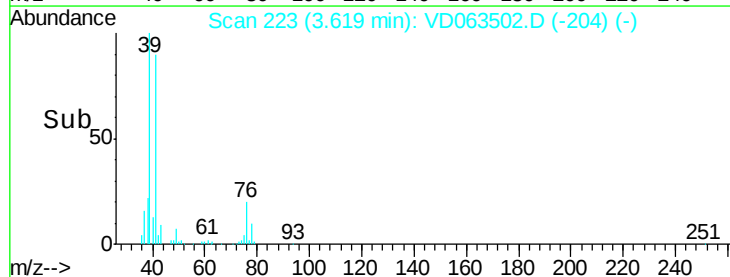
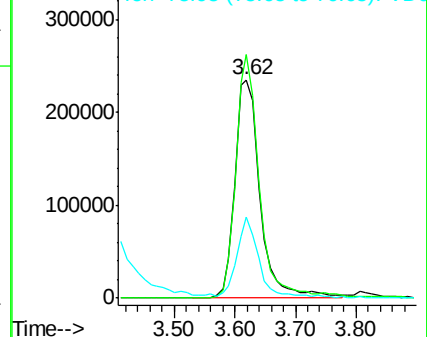
76 37.1 26.0 39.0

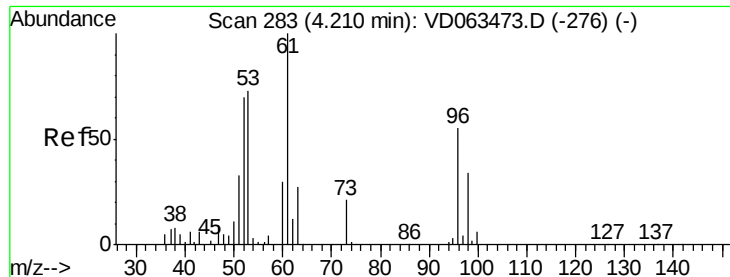


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 282.146 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.01 min

Lab File: VD063502.D

Acq: 12 Aug 2019 22:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

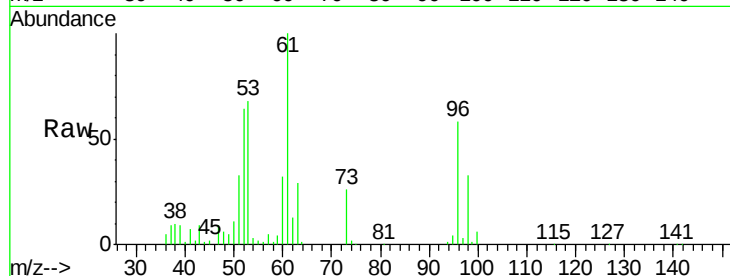
Tot Ion: 53 Resp: 365711

Ion Ratio Lower Upper

53 100

52 95.1 77.4 116.0

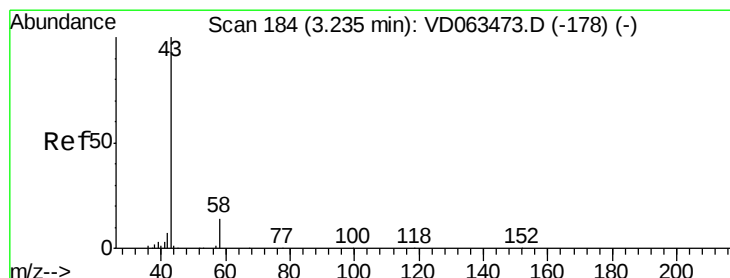
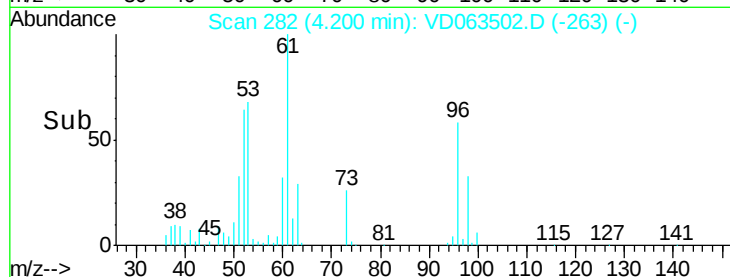
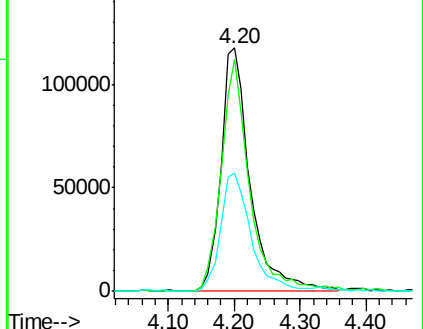
51 48.7 36.7 55.1



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: 250.330 ug/l

RT: 3.23 min Scan# 183

Delta R.T. -0.01 min

Lab File: VD063502.D

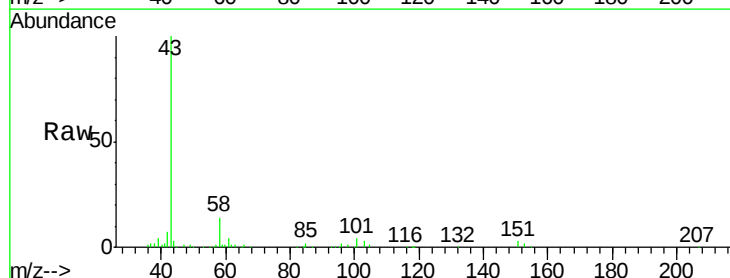
Acq: 12 Aug 2019 22:48

Tgt Ion: 43 Resp: 572034

Ion Ratio Lower Upper

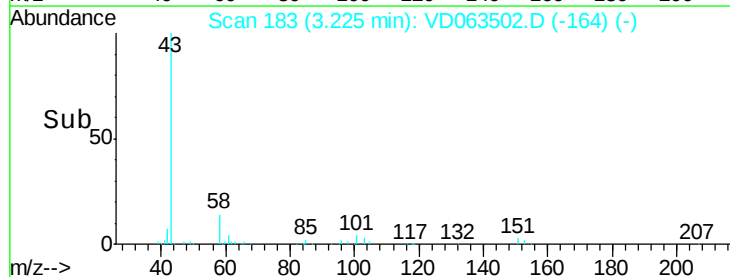
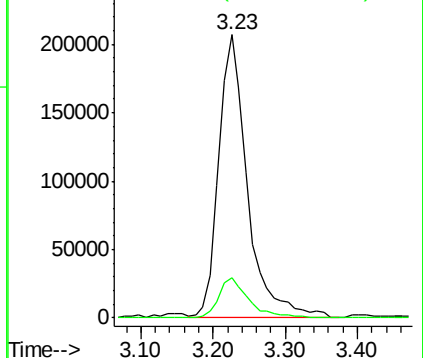
43 100

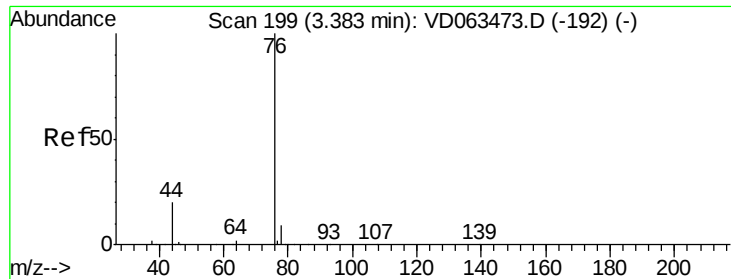
58 14.4 11.4 17.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

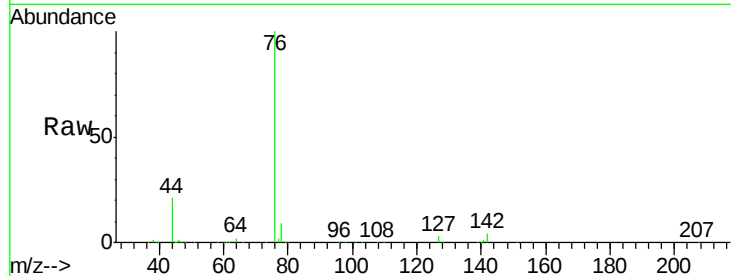




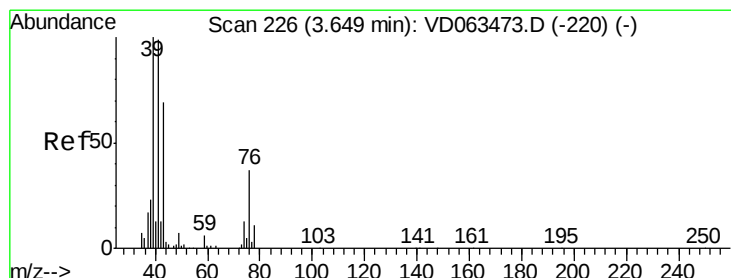
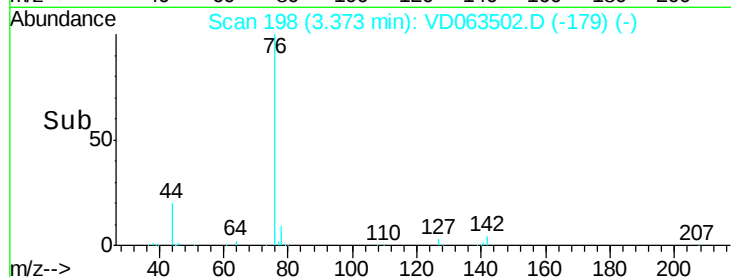
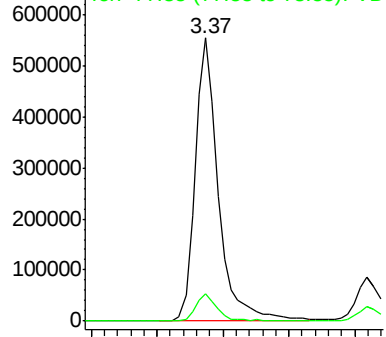
#17
Carbon Disulfide
Concen: 50.888 ug/l
RT: 3.37 min Scan# 198
Delta R.T. -0.01 min
Lab File: VD063502.D
Acq: 12 Aug 2019 22:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 1364756
Ion Ratio Lower Upper
76 100
78 9.5 7.4 11.0

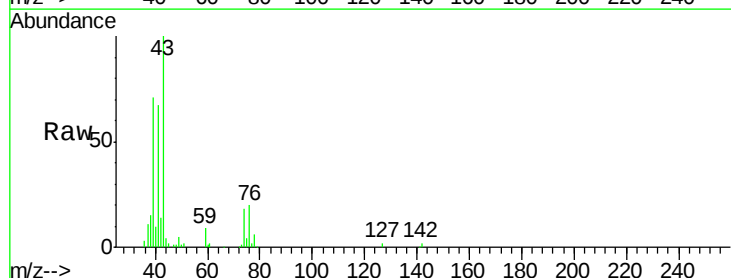


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

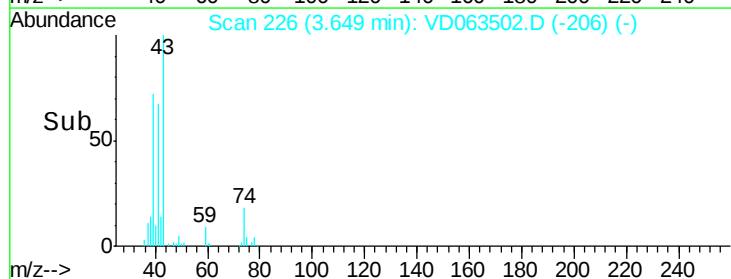
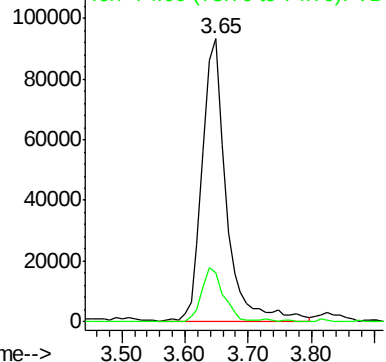


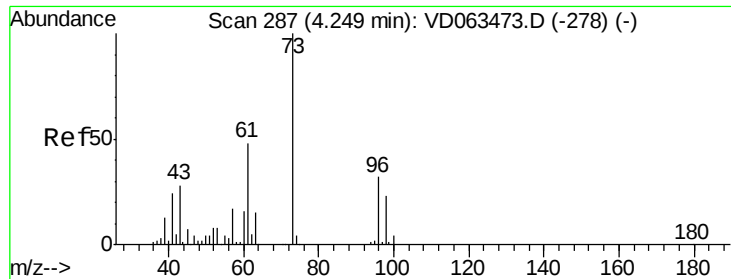
#18
Methyl Acetate
Concen: 57.562 ug/l
RT: 3.65 min Scan# 226
Delta R.T. -0.00 min
Lab File: VD063502.D
Acq: 12 Aug 2019 22:48

Tgt Ion: 43 Resp: 249146
Ion Ratio Lower Upper
43 100
74 17.6 15.4 23.2



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC

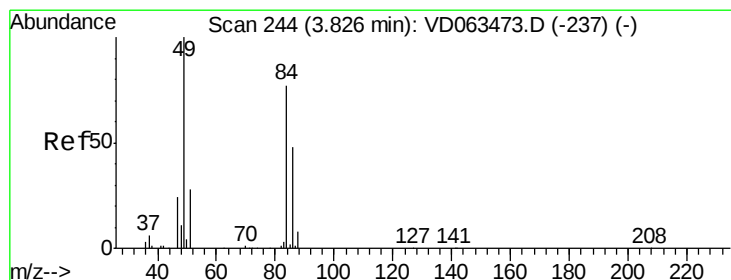
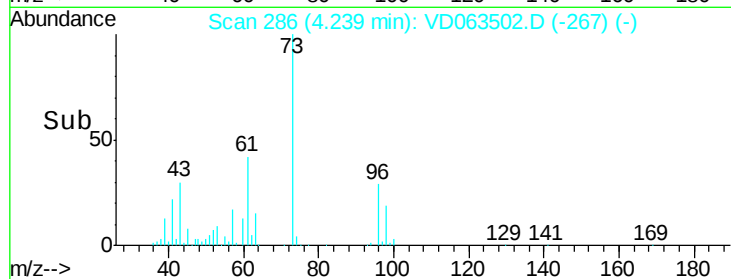
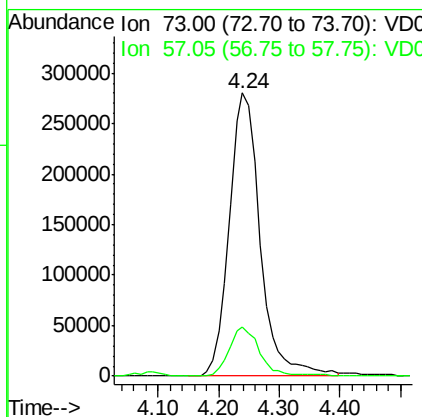
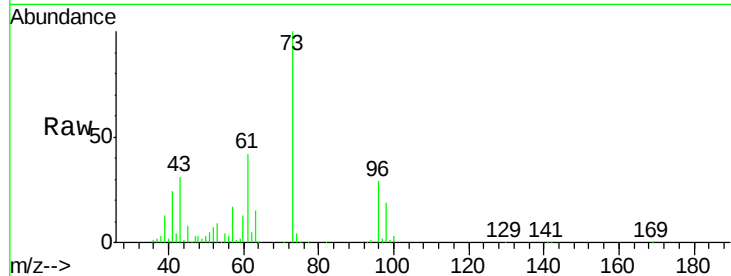




#19
Methvl tert-butvl Ether
Concen: 58.652 ug/l
RT: 4.24 min Scan# 286
Delta R.T. -0.01 min
Lab File: VD063502.D
Acq: 12 Aug 2019 22:48

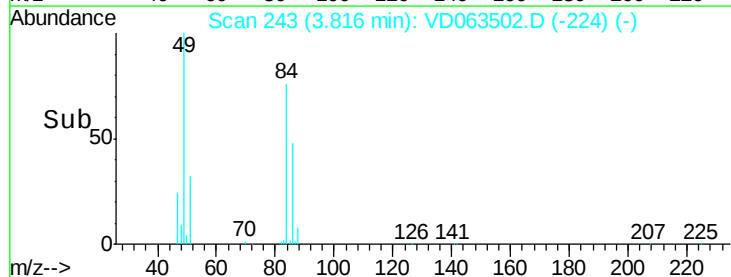
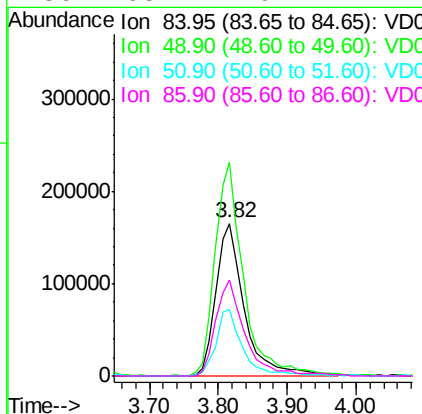
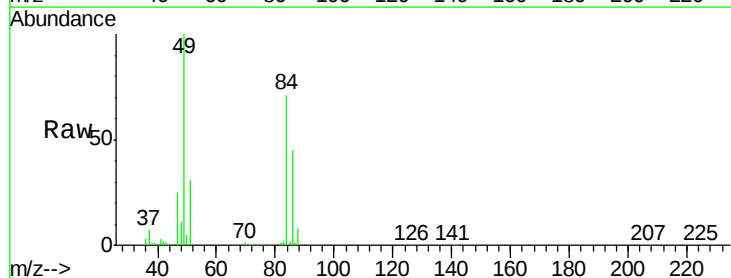
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

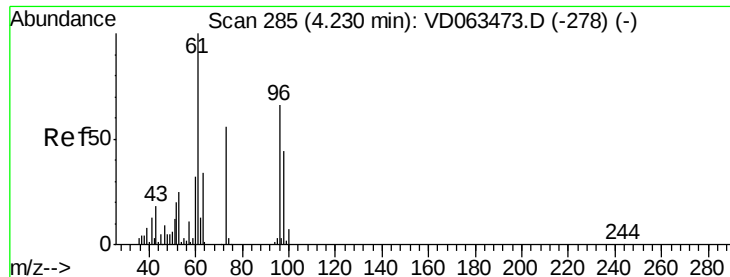
Tot Ion: 73 Resp: 996764
Ion Ratio Lower Upper
73 100
57 17.3 14.0 21.0



#20
Methylene Chloride
Concen: 47.816 ug/l
RT: 3.82 min Scan# 243
Delta R.T. -0.01 min
Lab File: VD063502.D
Acq: 12 Aug 2019 22:48

Tgt Ion: 84 Resp: 472476
Ion Ratio Lower Upper
84 100
49 139.9 103.4 155.2
51 43.9 28.5 42.7#
86 63.2 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 53.676 ug/l

RT: 4.22 min Scan# 284

Delta R.T. -0.01 min

Lab File: VD063502.D

Acq: 12 Aug 2019 22:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

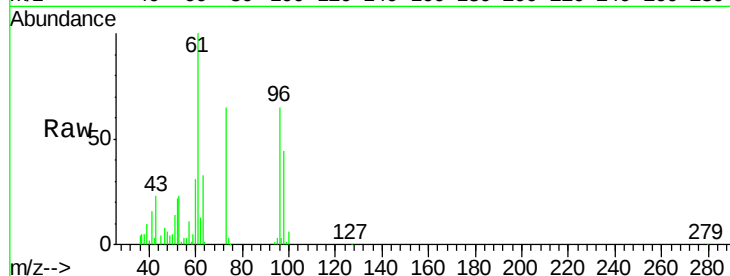
Tot Ion: 96 Resp: 479987

Ion Ratio Lower Upper

96 100

61 154.3 121.7 182.5

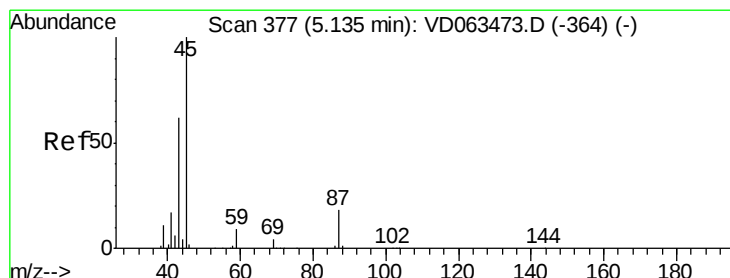
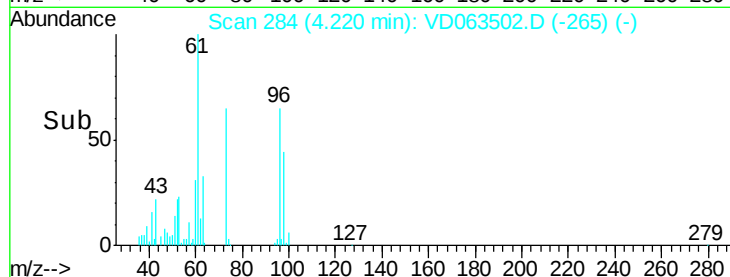
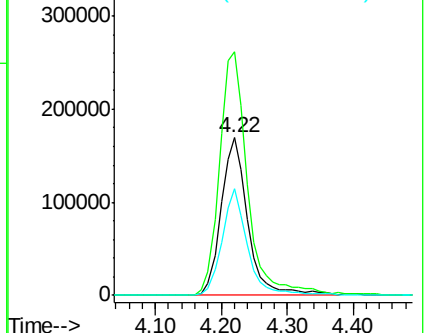
98 67.4 54.2 81.2



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: 53.146 ug/l

RT: 5.13 min Scan# 376

Delta R.T. -0.01 min

Lab File: VD063502.D

Acq: 12 Aug 2019 22:48

Tgt Ion: 45 Resp: 1400952

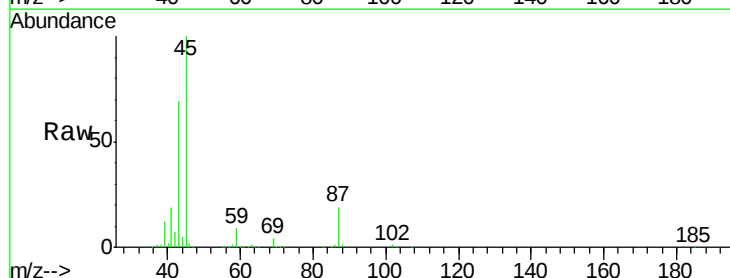
Ion Ratio Lower Upper

45 100

43 69.5 50.3 75.5

87 19.1 14.3 21.5

59 9.0 7.7 11.5

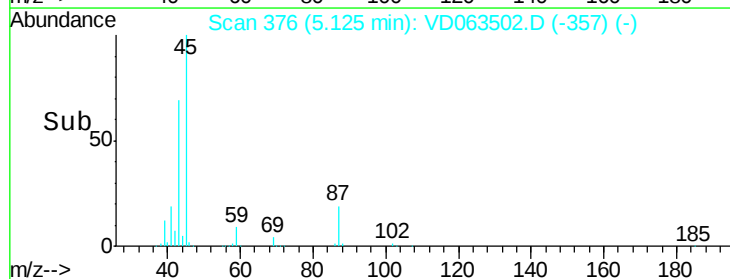
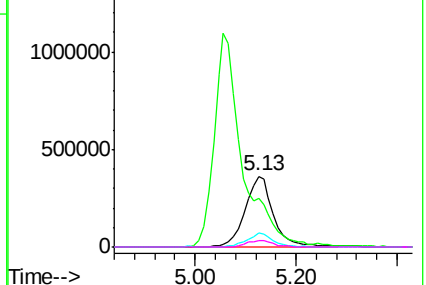


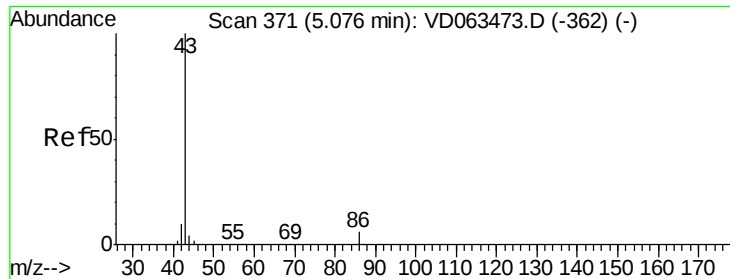
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 278.113 ug/l

RT: 5.06 min Scan# 369

Delta R.T. -0.02 min

Lab File: VD063502.D

Acq: 12 Aug 2019 22:48

Instrument :

MSVOA_D

ClientSampleId :

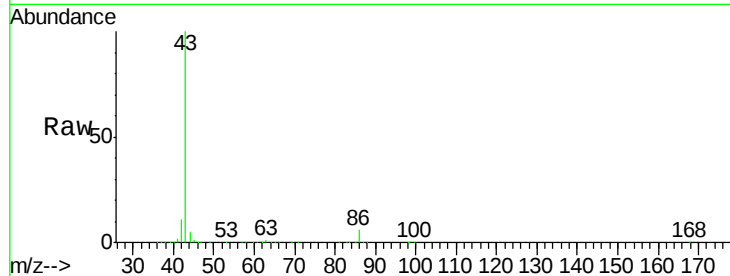
VSTDCCC050

Tot Ion: 43 Resp: 4262018

Ion Ratio Lower Upper

43 100

86 5.8 4.8 7.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.06

1200000

1000000

800000

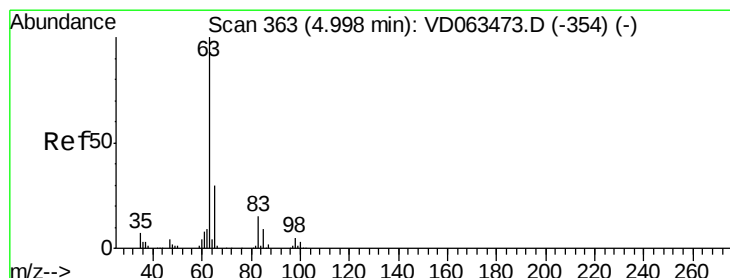
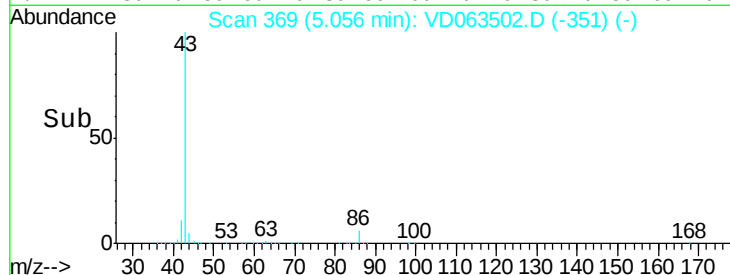
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 55.751 ug/l

RT: 4.99 min Scan# 362

Delta R.T. -0.01 min

Lab File: VD063502.D

Acq: 12 Aug 2019 22:48

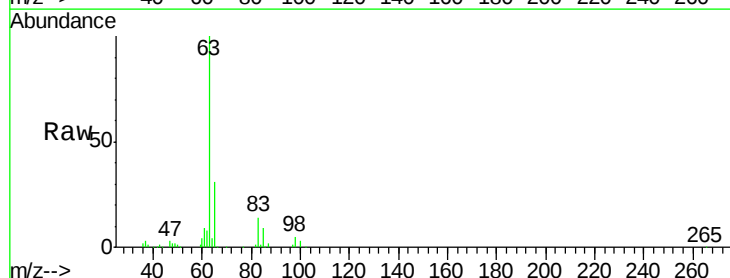
Tgt Ion: 63 Resp: 911509

Ion Ratio Lower Upper

63 100

98 4.7 2.4 7.2

100 2.9 1.3 3.8



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

4.99

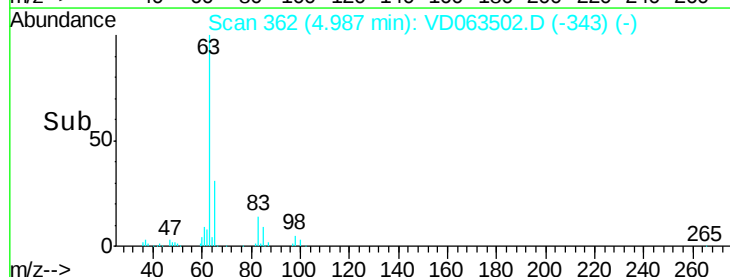
300000

200000

100000

0

Time-->





#25

2-Butanone

Concen: 270.996 ug/l

RT: 6.07 min Scan# 472

Delta R.T. -0.02 min

Lab File: VD063502.D

Acq: 12 Aug 2019 22:48

Instrument :

MSVOA_D

ClientSampleId :

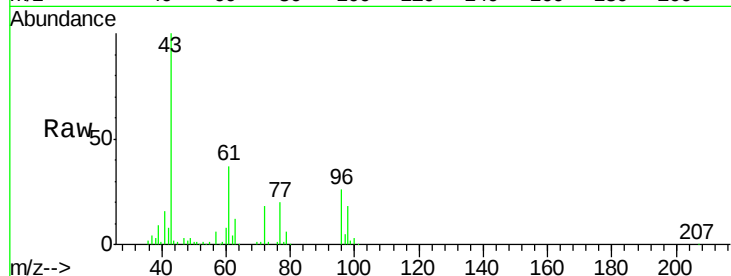
VSTDCCC050

Tot Ion: 43 Resp: 611600

Ion Ratio Lower Upper

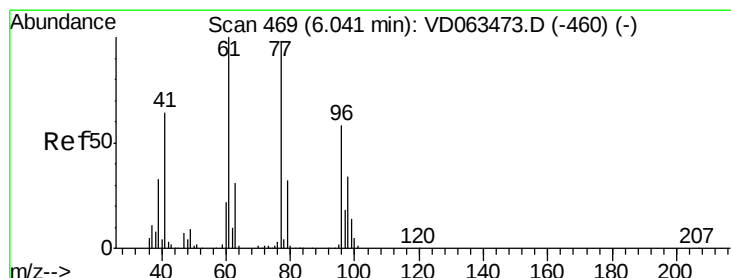
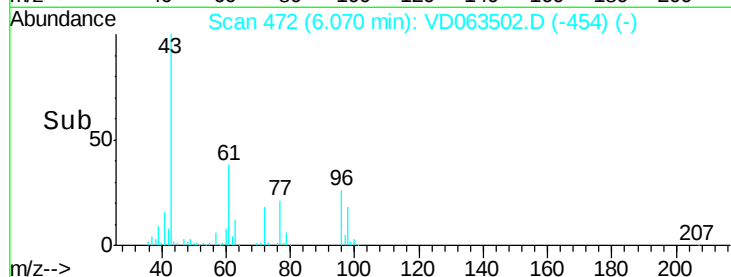
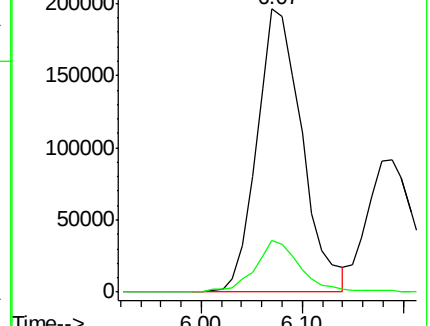
43 100

72 18.2 15.1 22.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 50.362 ug/l

RT: 6.02 min Scan# 467

Delta R.T. -0.02 min

Lab File: VD063502.D

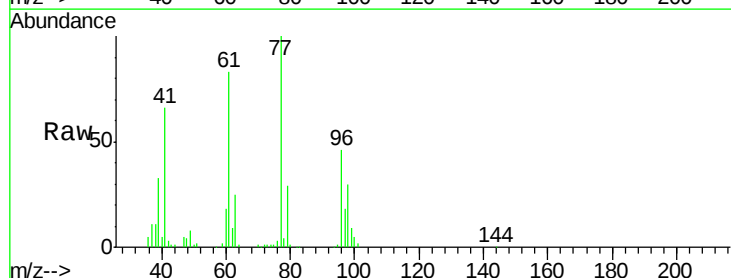
Acq: 12 Aug 2019 22:48

Tgt Ion: 77 Resp: 820137

Ion Ratio Lower Upper

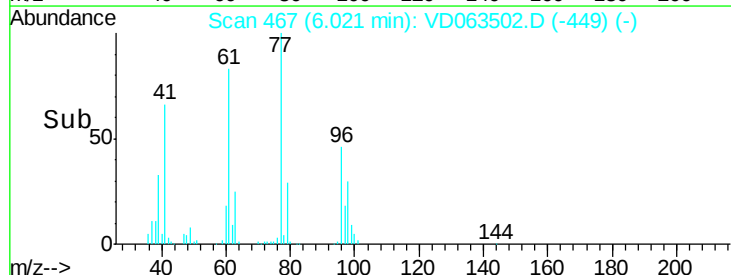
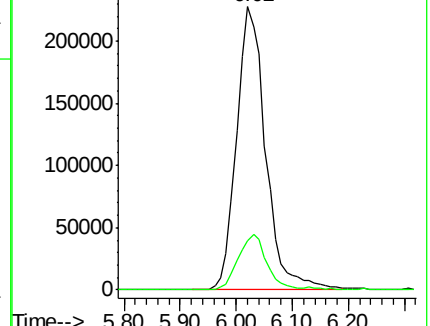
77 100

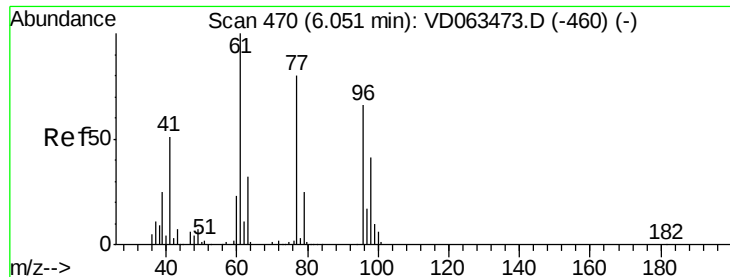
97 17.5 9.0 27.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



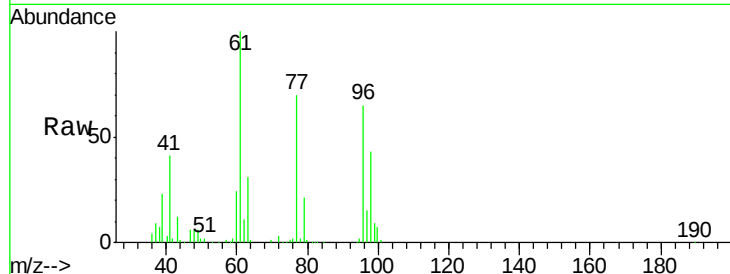


#27

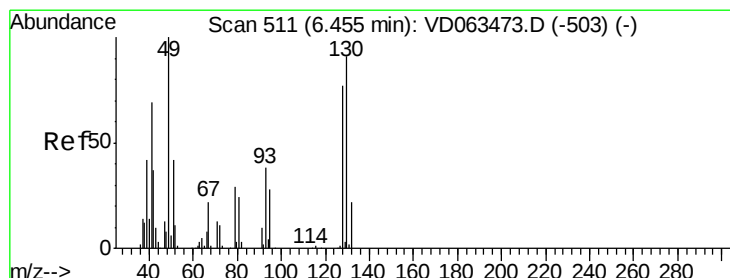
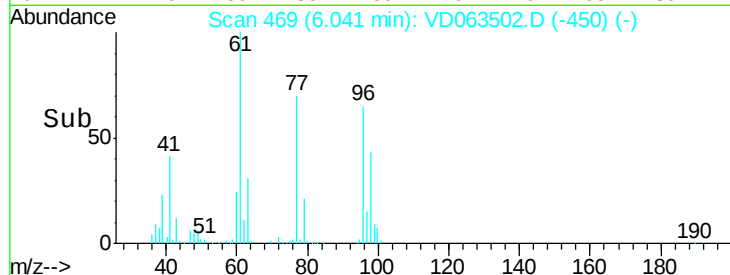
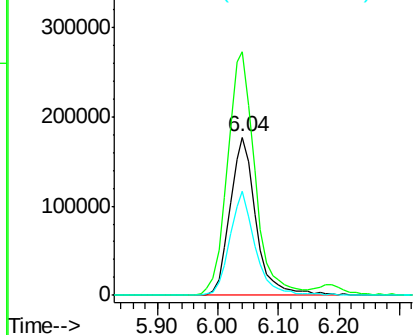
cis-1,2-Dichloroethene
Concen: 53.708 ug/l
RT: 6.04 min Scan# 469
Delta R.T. -0.01 min
Lab File: VD063502.D
Acq: 12 Aug 2019 22:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	96	Resp	525458
Ion	Ratio	Lower	Upper
96	100		
61	154.2	0.0	304.0
98	66.0	0.0	124.8



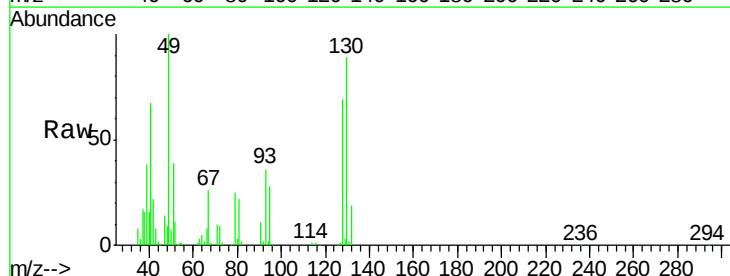
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



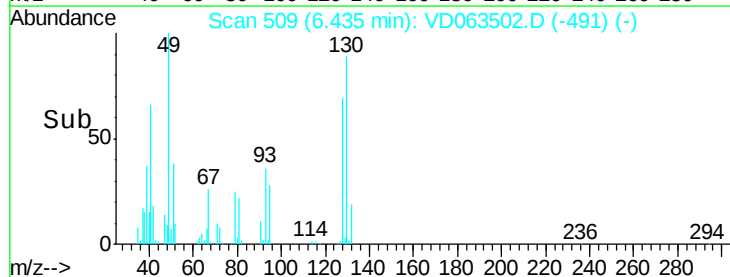
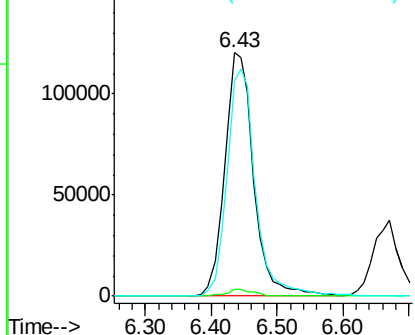
#28

Bromochloromethane
Concen: 55.535 ug/l
RT: 6.43 min Scan# 509
Delta R.T. -0.02 min
Lab File: VD063502.D
Acq: 12 Aug 2019 22:48

Tgt Ion	49	Resp	367992
Ion	Ratio	Lower	Upper
49	100		
129	3.0	0.0	6.4
130	88.7	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

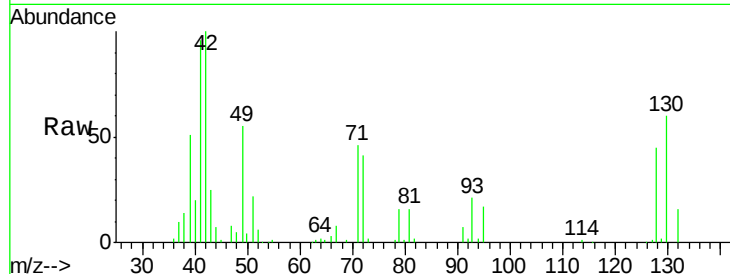




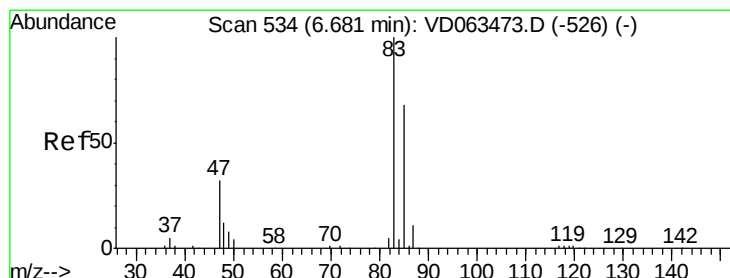
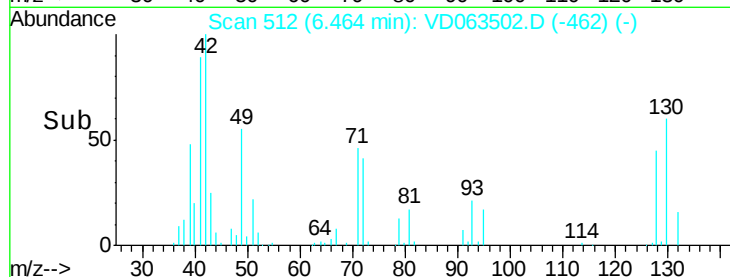
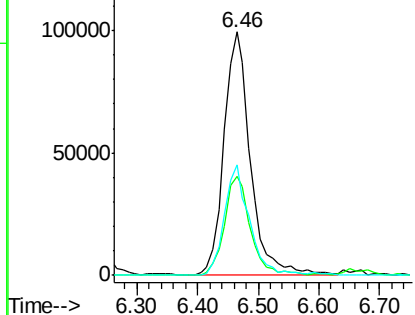
#29
Tetrahydrofuran
Concen: 287.184 ug/l
RT: 6.46 min Scan# 512
Delta R.T. -0.01 min
Lab File: VD063502.D
Acq: 12 Aug 2019 22:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 42 Resp: 302014
Ion Ratio Lower Upper
42 100
72 39.8 31.5 47.3
71 42.5 33.8 50.8

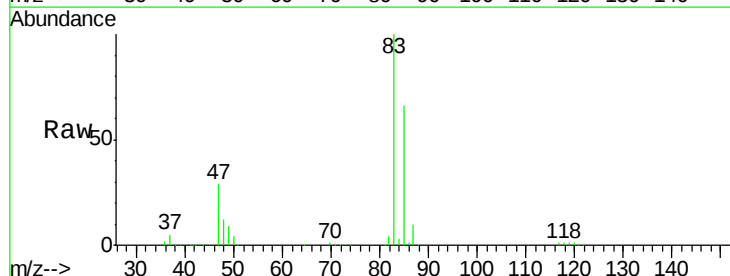


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

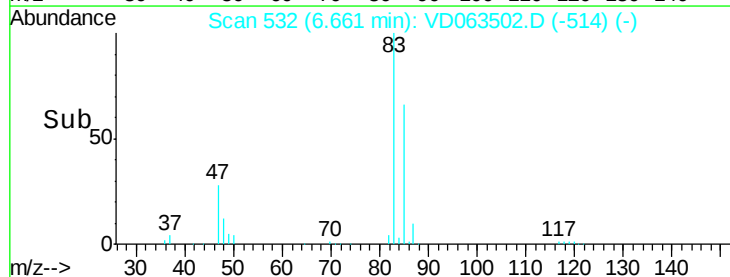
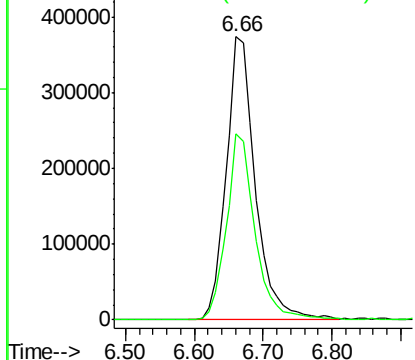


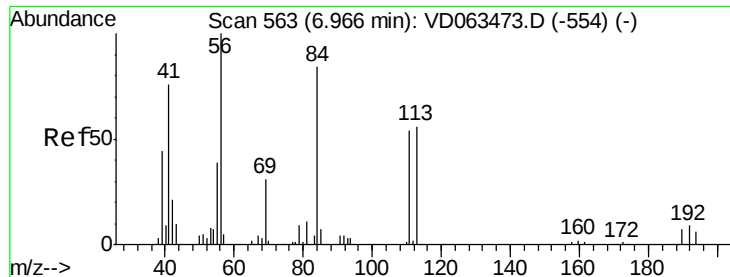
#30
Chloroform
Concen: 53.815 ug/l
RT: 6.66 min Scan# 532
Delta R.T. -0.02 min
Lab File: VD063502.D
Acq: 12 Aug 2019 22:48

Tgt Ion: 83 Resp: 1093639
Ion Ratio Lower Upper
83 100
85 65.8 54.8 82.2



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

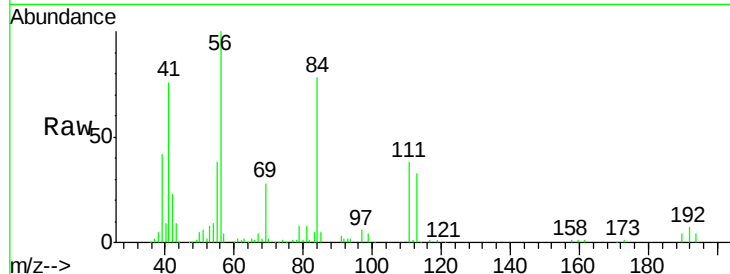




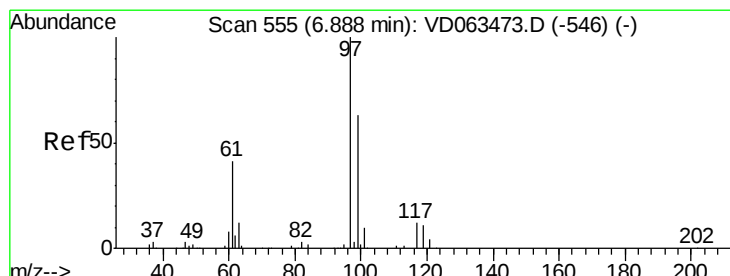
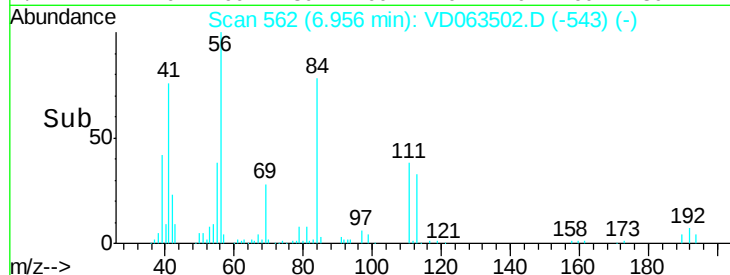
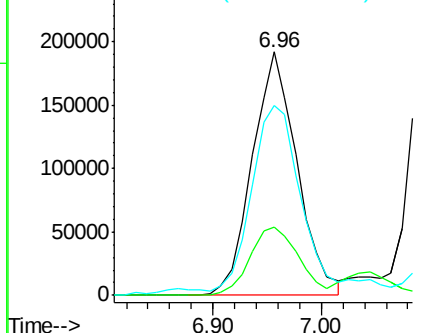
#31
Cyclohexane
Concen: 54.313 ug/l
RT: 6.96 min Scan# 562
Delta R.T. -0.01 min
Lab File: VD063502.D
Acq: 12 Aug 2019 22:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 551276
Ion Ratio Lower Upper
56 100
69 28.3 25.0 37.6
84 78.2 69.7 104.5

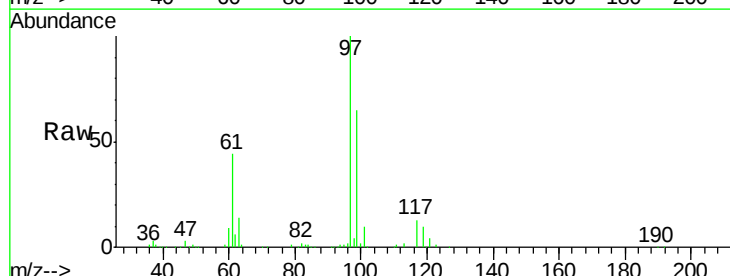


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

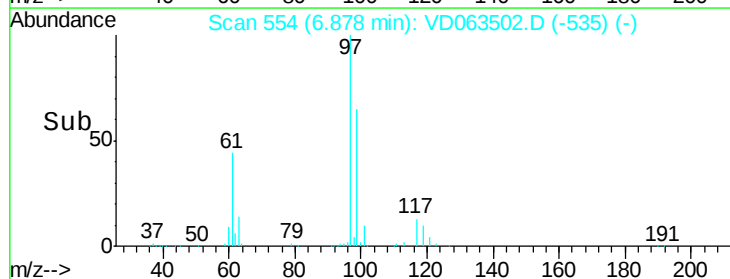
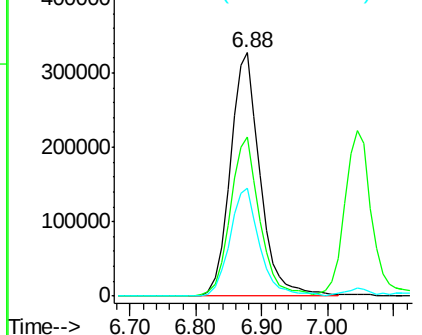


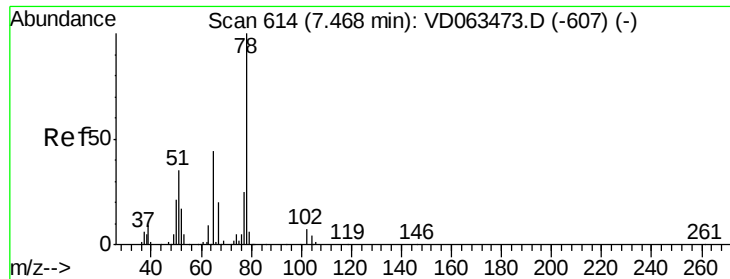
#32
1,1,1-Trichloroethane
Concen: 53.312 ug/l
RT: 6.88 min Scan# 554
Delta R.T. -0.01 min
Lab File: VD063502.D
Acq: 12 Aug 2019 22:48

Tgt Ion: 97 Resp: 1036379
Ion Ratio Lower Upper
97 100
99 65.2 50.2 75.4
61 44.2 33.1 49.7



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

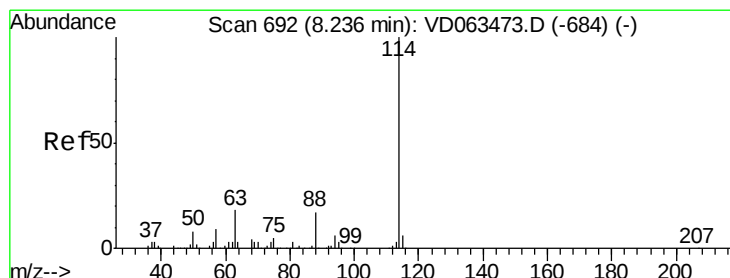
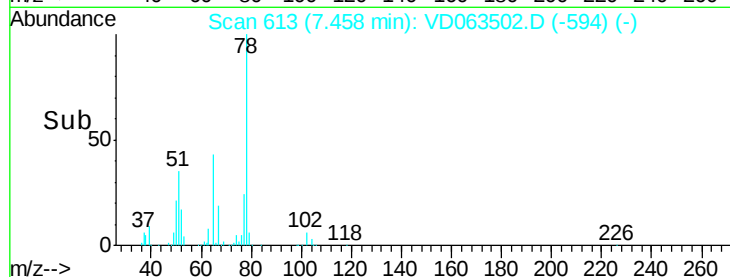
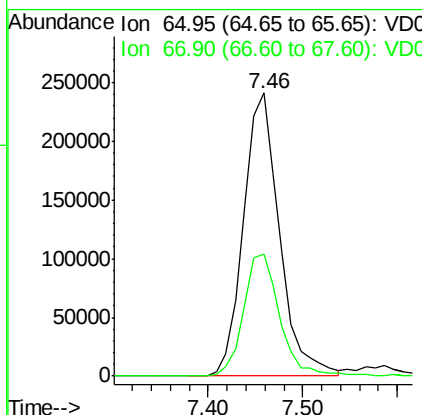
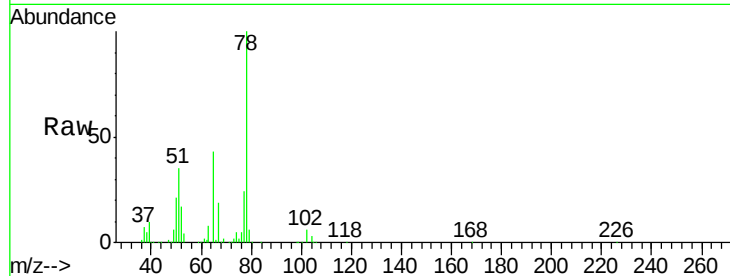




#33
 1,2-Dichloroethane-d4
 Concen: 56.560 ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. -0.01 min
 Lab File: VD063502.D
 Acq: 12 Aug 2019 22:48

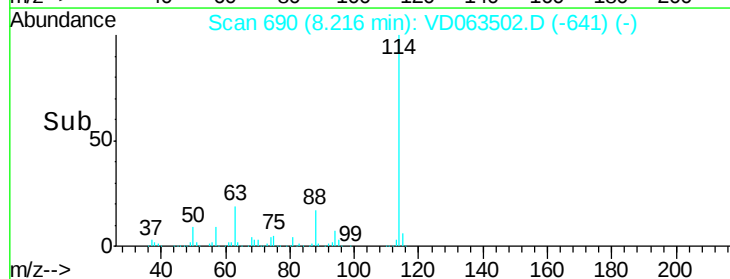
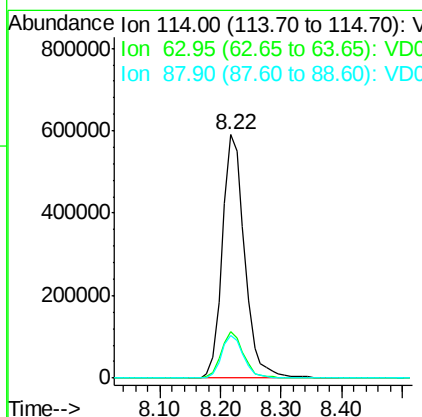
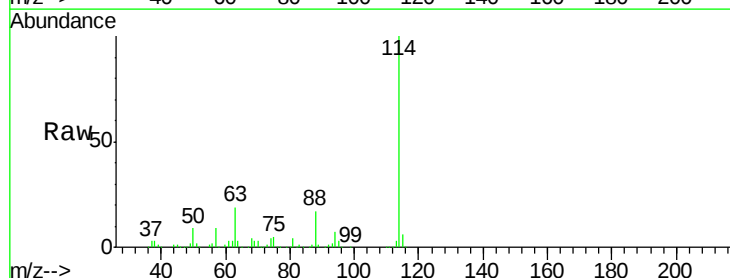
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

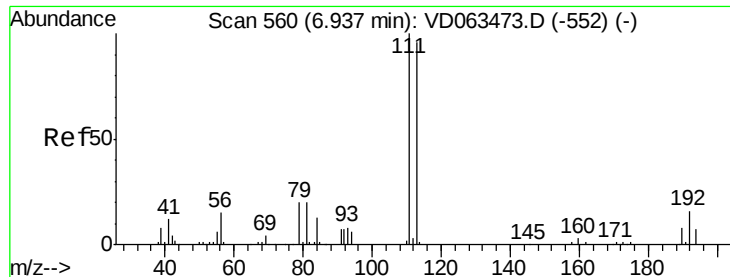
Tot Ion: 65 Resp: 635802
 Ion Ratio Lower Upper
 65 100
 67 43.0 0.0 89.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. -0.02 min
 Lab File: VD063502.D
 Acq: 12 Aug 2019 22:48

Tgt Ion: 114 Resp: 1510353
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 36.2
 88 17.5 0.0 35.0





#35

Dibromofluoromethane

Concen: 53.534 ug/l

RT: 6.93 min Scan# 559

Delta R.T. -0.01 min

Lab File: VD063502.D

Acq: 12 Aug 2019 22:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

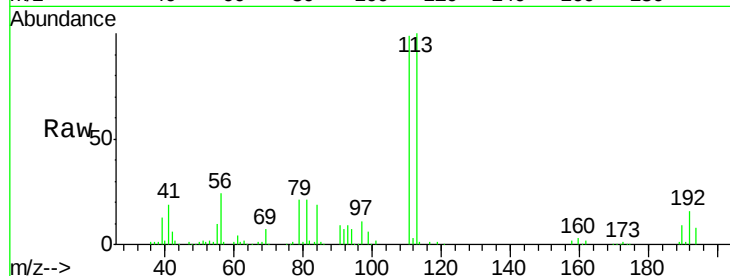
Tot Ion:113 Resp: 680968

Ion Ratio Lower Upper

113 100

111 99.1 83.1 124.7

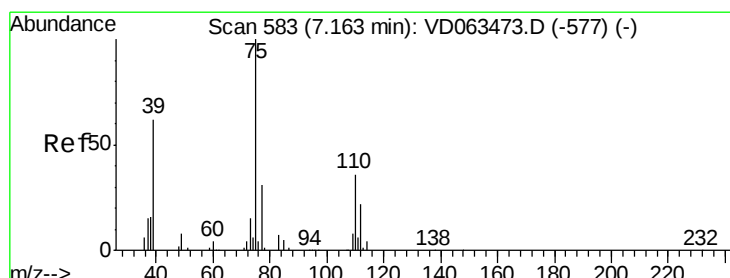
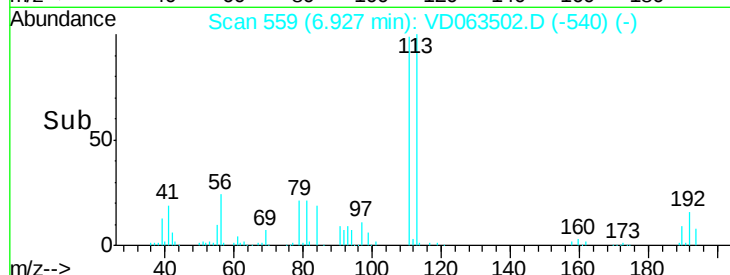
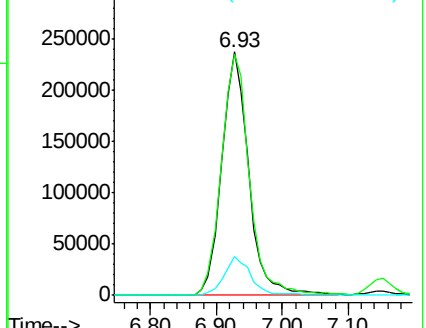
192 16.1 13.1 19.7



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 54.265 ug/l

RT: 7.15 min Scan# 582

Delta R.T. -0.01 min

Lab File: VD063502.D

Acq: 12 Aug 2019 22:48

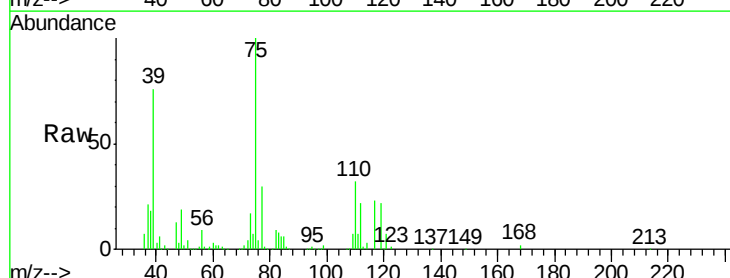
Tgt Ion: 75 Resp: 724544

Ion Ratio Lower Upper

75 100

110 32.0 17.6 52.8

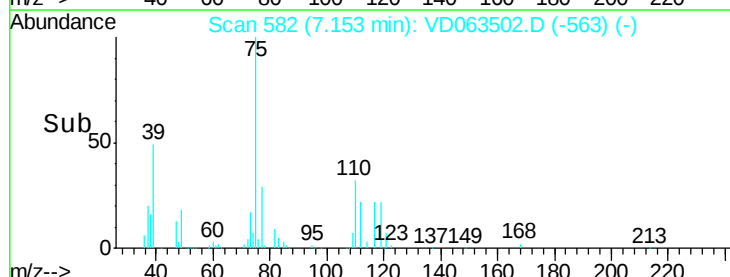
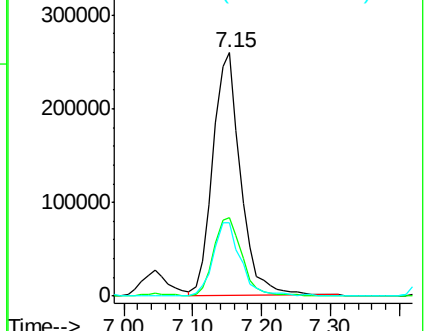
77 30.4 24.3 36.5



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

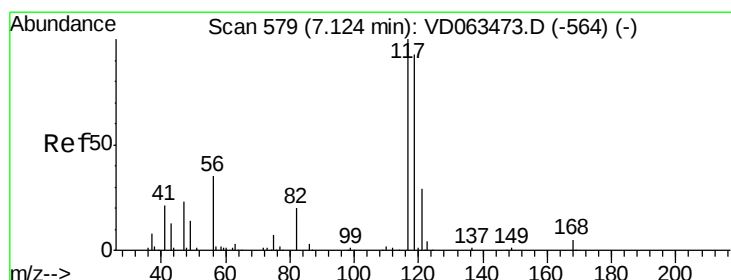
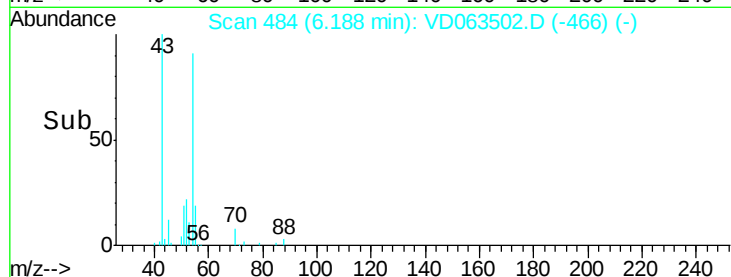
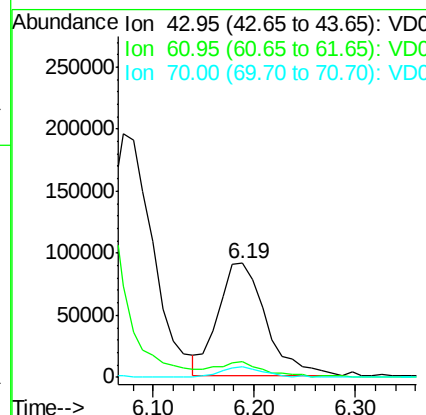
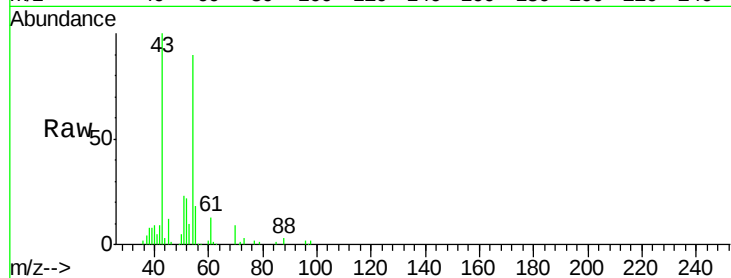




#37
Ethyl Acetate
Concen: 53.515 ug/l
RT: 6.19 min Scan# 484
Delta R.T. -0.02 min
Lab File: VD063502.D
Acq: 12 Aug 2019 22:48

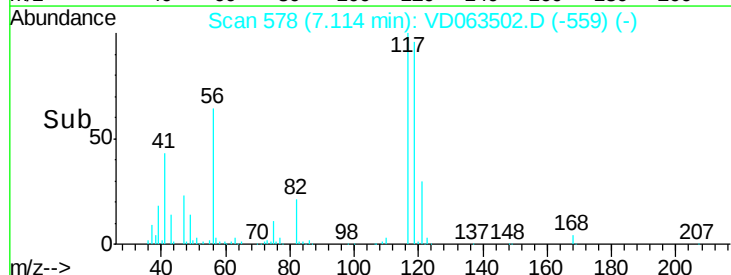
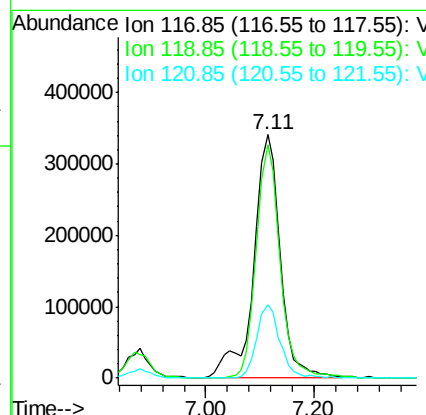
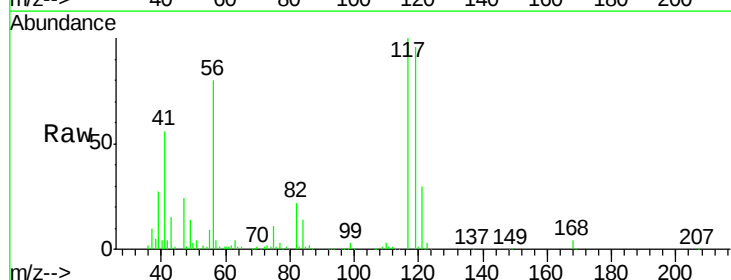
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

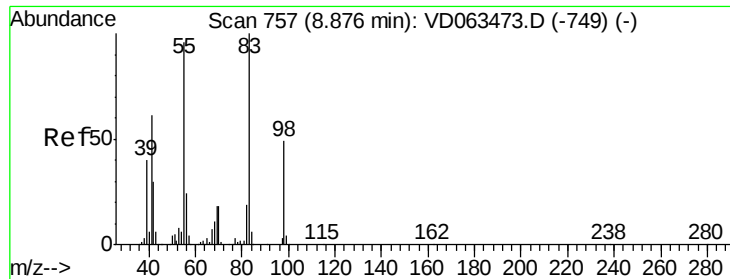
Tot Ion: 43 Resp: 299405
Ion Ratio Lower Upper
43 100
61 13.4 9.0 13.6
70 8.9 6.9 10.3



#38
Carbon Tetrachloride
Concen: 57.405 ug/l
RT: 7.11 min Scan# 578
Delta R.T. -0.01 min
Lab File: VD063502.D
Acq: 12 Aug 2019 22:48

Tgt Ion: 117 Resp: 1155142
Ion Ratio Lower Upper
117 100
119 95.7 74.2 111.2
121 30.0 23.1 34.7

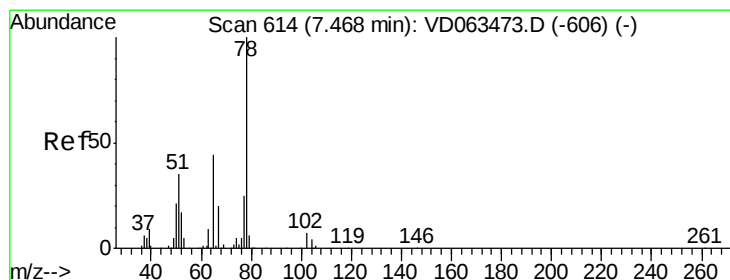
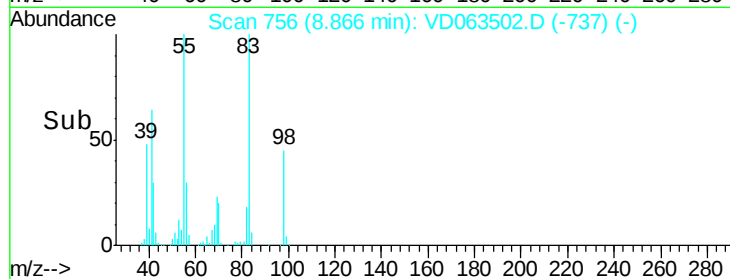
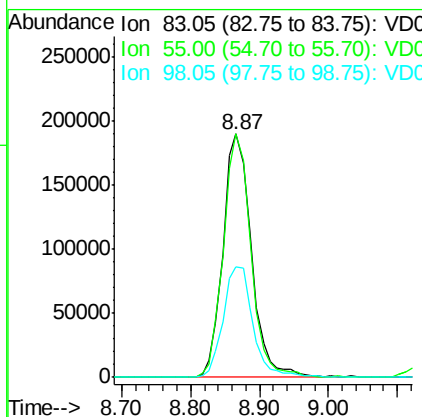
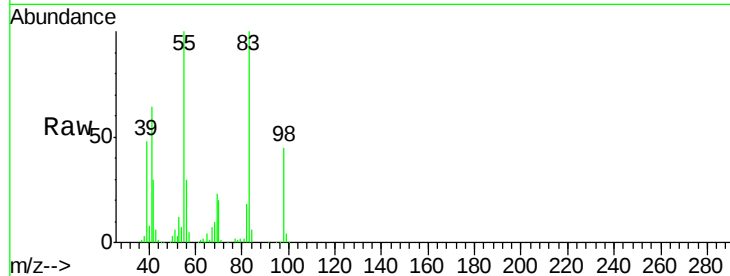




#39
Methvlcvclohexane
Concen: 47.939 ug/l
RT: 8.87 min Scan# 756
Delta R.T. -0.01 min
Lab File: VD063502.D
Acq: 12 Aug 2019 22:48

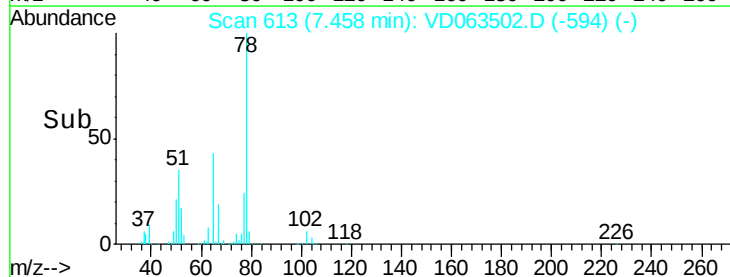
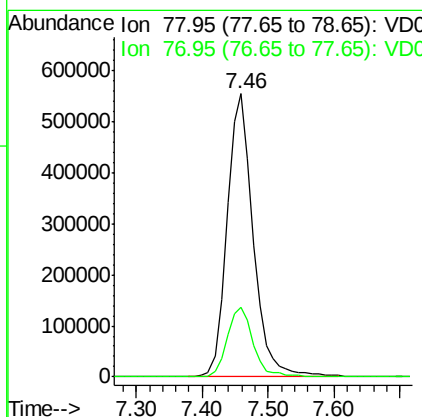
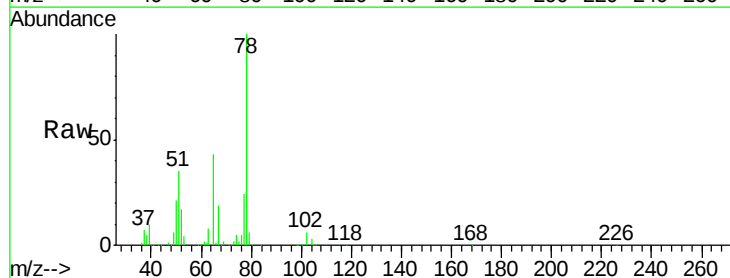
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

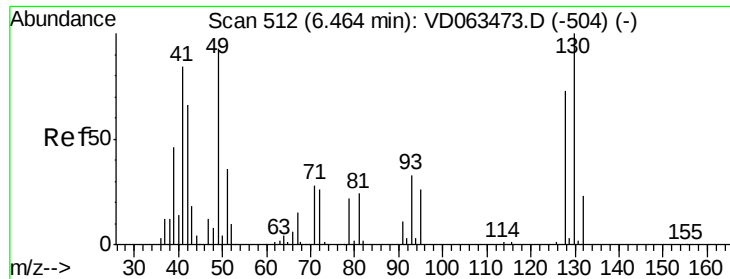
Tot Ion: 83 Resp: 544284
Ion Ratio Lower Upper
83 100
55 100.2 76.6 114.8
98 45.3 39.4 59.0



#40
Benzene
Concen: 52.422 ug/l
RT: 7.46 min Scan# 613
Delta R.T. -0.01 min
Lab File: VD063502.D
Acq: 12 Aug 2019 22:48

Tgt Ion: 78 Resp: 1540299
Ion Ratio Lower Upper
78 100
77 24.4 20.1 30.1

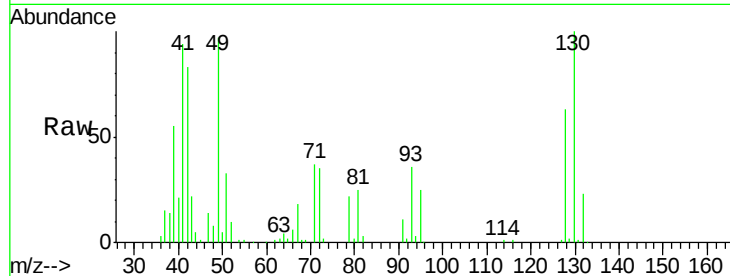




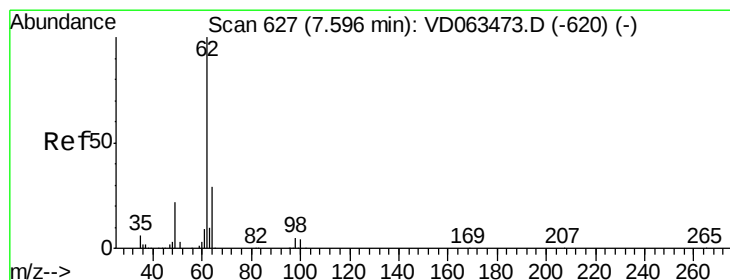
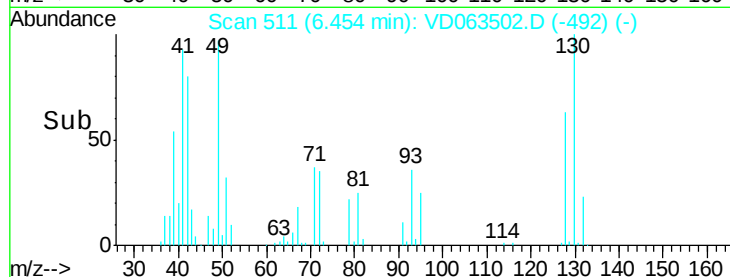
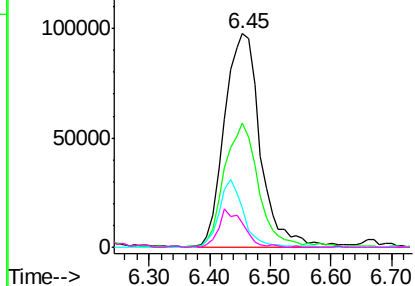
#41
Methacrylonitrile
Concen: 57.002 ug/l
RT: 6.45 min Scan# 511
Delta R.T. -0.01 min
Lab File: VD063502.D
Acq: 12 Aug 2019 22:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	401554
Ion	Ratio	Lower	Upper
41	100		
39	58.3	44.6	66.8
67	18.8	14.4	21.6
52	11.2	9.3	13.9

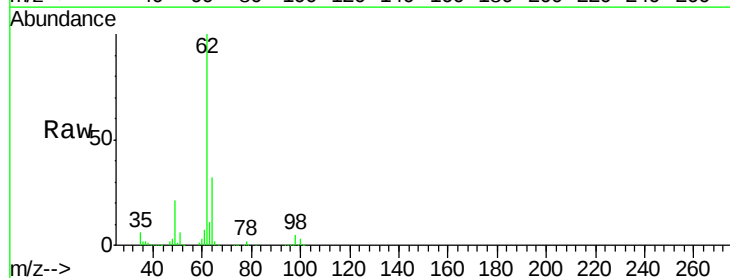


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

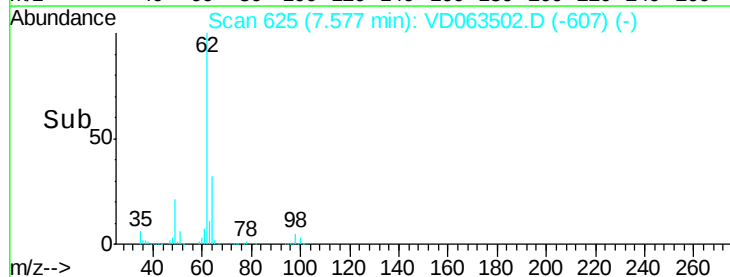
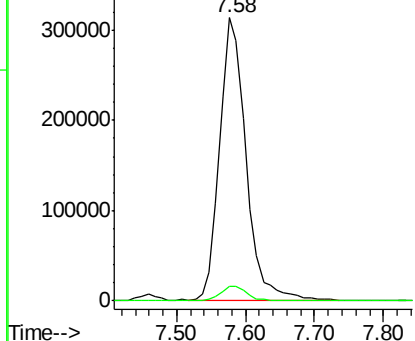


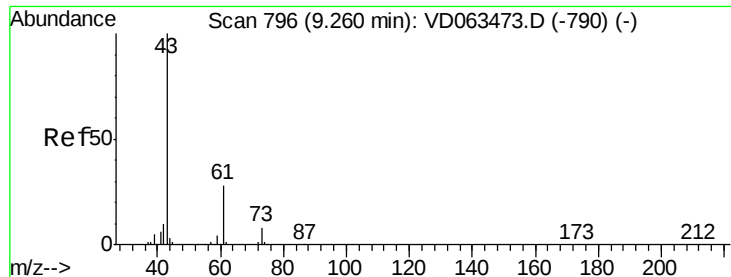
#42
1,2-Dichloroethane
Concen: 56.645 ug/l
RT: 7.58 min Scan# 625
Delta R.T. -0.02 min
Lab File: VD063502.D
Acq: 12 Aug 2019 22:48

Tgt Ion:	62	Resp:	836890
Ion	Ratio	Lower	Upper
62	100		
98	4.9	0.0	10.4



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





#43

Isopropyl Acetate

Concen: 57.153 ug/l

RT: 9.24 min Scan# 794

Delta R.T. -0.02 min

Lab File: VD063502.D

Acq: 12 Aug 2019 22:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

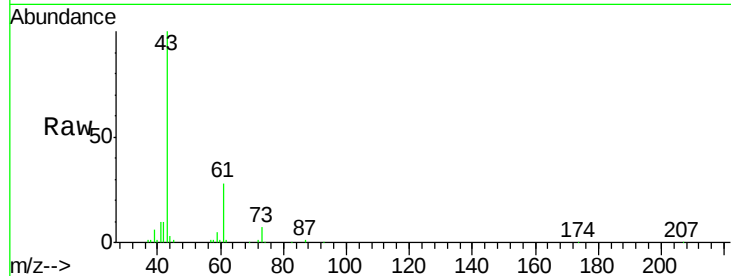
Tot Ion: 43 Resp: 428267

Ion Ratio Lower Upper

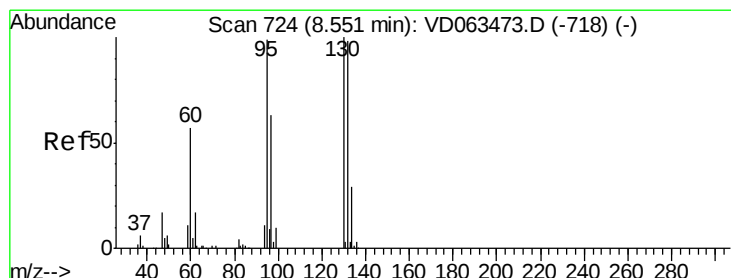
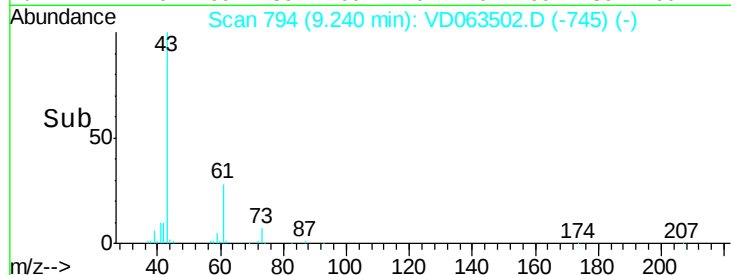
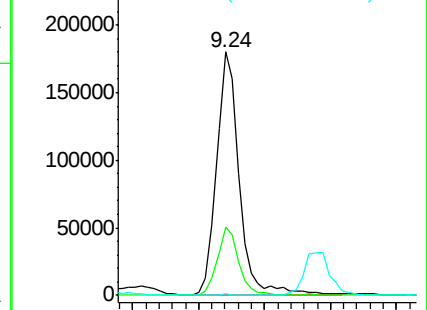
43 100

61 28.1 22.2 33.2

87 0.6 0.2 0.4#



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



#44

Trichloroethene

Concen: 52.640 ug/l

RT: 8.54 min Scan# 723

Delta R.T. -0.01 min

Lab File: VD063502.D

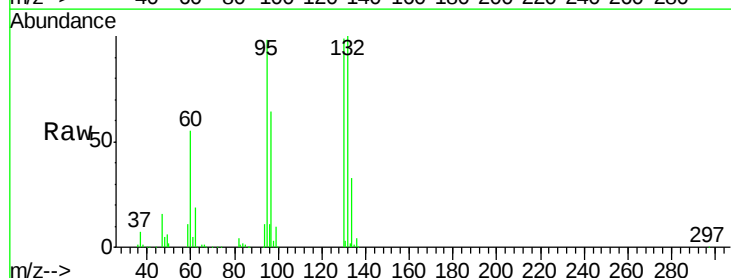
Acq: 12 Aug 2019 22:48

Tgt Ion: 130 Resp: 591184

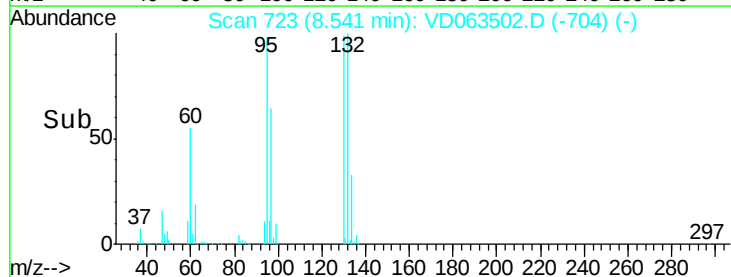
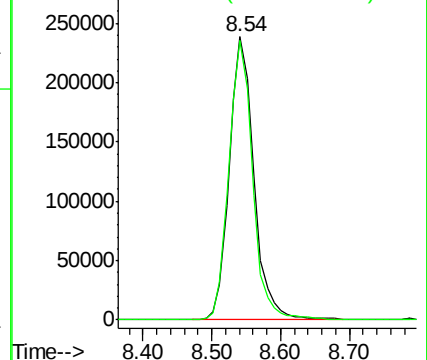
Ion Ratio Lower Upper

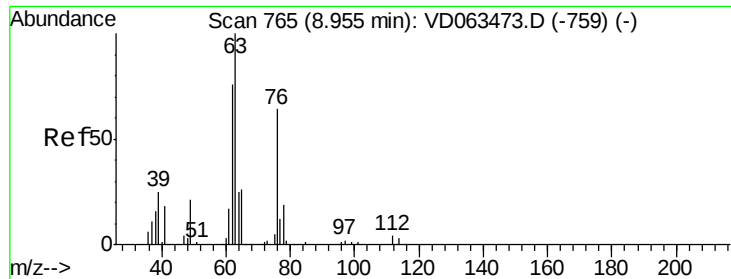
130 100

95 98.9 0.0 198.0



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





#45

1,2-Dichloropropane

Concen: 54.155 ug/l

RT: 8.94 min Scan# 764

Delta R.T. -0.01 min

Lab File: VD063502.D

Acq: 12 Aug 2019 22:48

Instrument :

MSVOA_D

ClientSampleId :

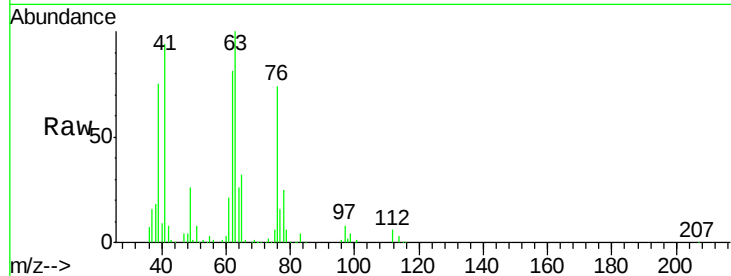
VSTDCCC050

Tot Ion: 63 Resp: 370556

Ion Ratio Lower Upper

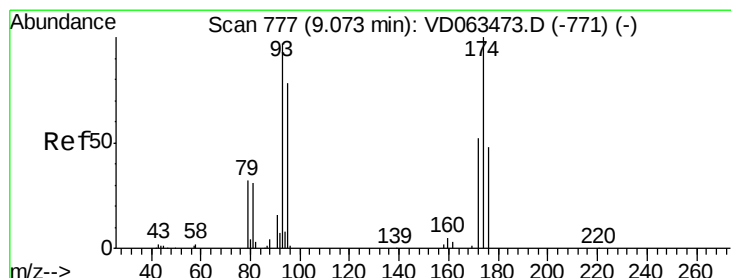
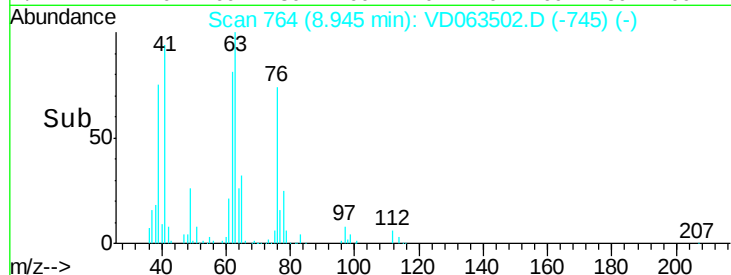
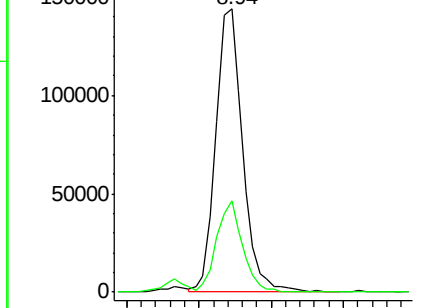
63 100

65 32.4 22.5 33.7



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 56.881 ug/l

RT: 9.06 min Scan# 776

Delta R.T. -0.01 min

Lab File: VD063502.D

Acq: 12 Aug 2019 22:48

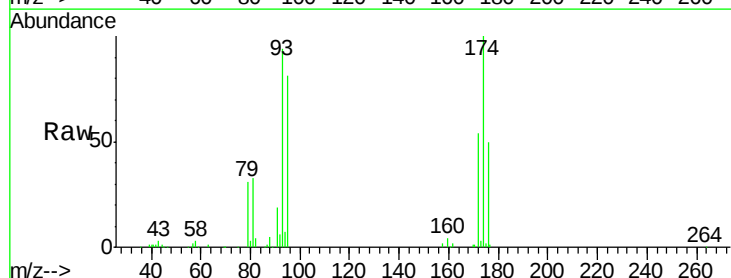
Tgt Ion: 93 Resp: 332376

Ion Ratio Lower Upper

93 100

95 86.6 64.2 96.2

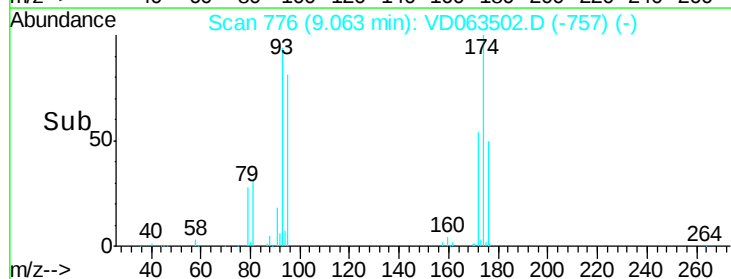
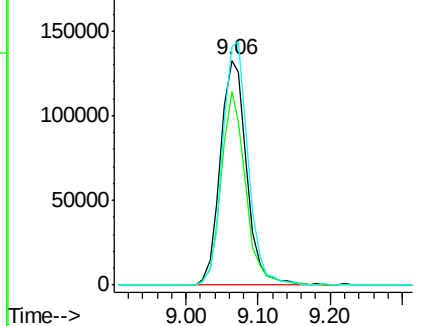
174 106.3 82.1 123.1

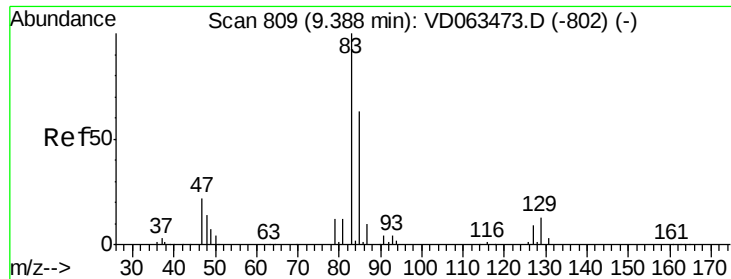


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC





#47

Bromodichloromethane

Concen: 58.506 ug/l

RT: 9.38 min Scan# 808

Delta R.T. -0.01 min

Lab File: VD063502.D

Acq: 12 Aug 2019 22:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

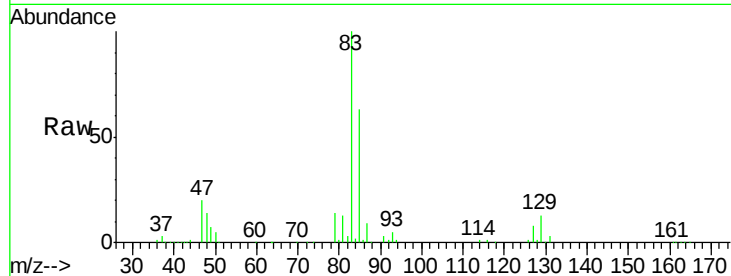
Tot Ion: 83 Resp: 876937

Ion Ratio Lower Upper

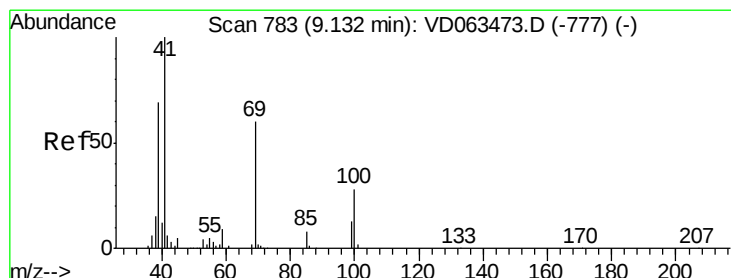
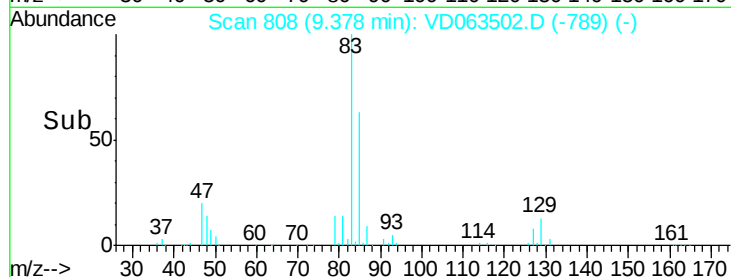
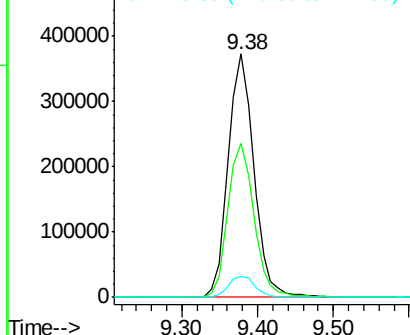
83 100

85 63.3 50.1 75.1

127 8.4 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: 54.589 ug/l

RT: 9.12 min Scan# 782

Delta R.T. -0.01 min

Lab File: VD063502.D

Acq: 12 Aug 2019 22:48

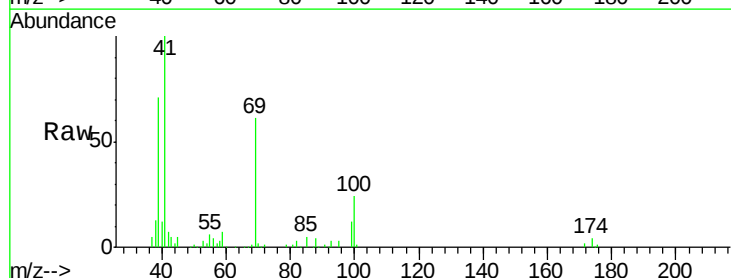
Tgt Ion: 41 Resp: 277411

Ion Ratio Lower Upper

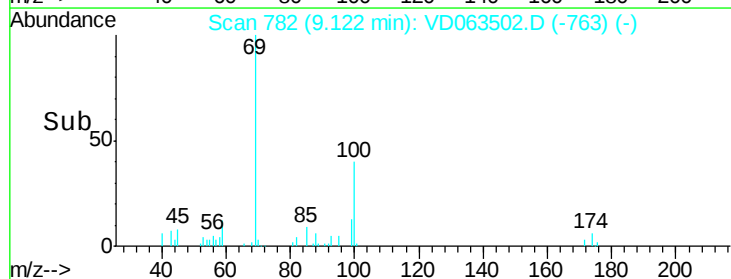
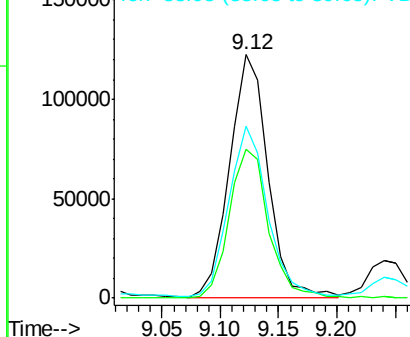
41 100

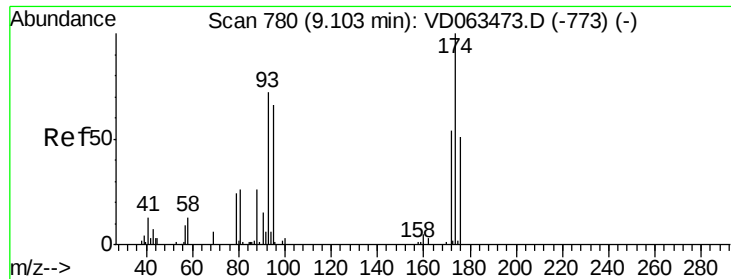
69 61.0 47.6 71.4

39 70.8 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

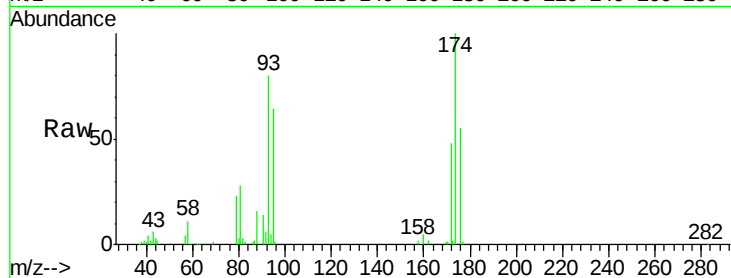




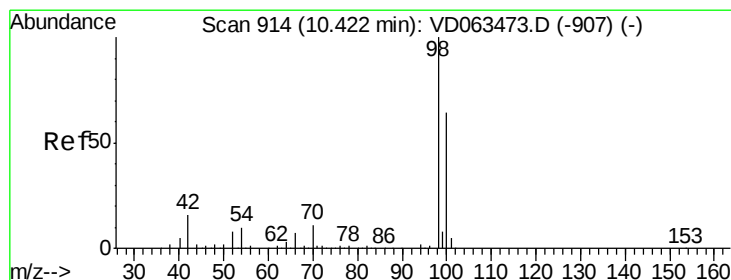
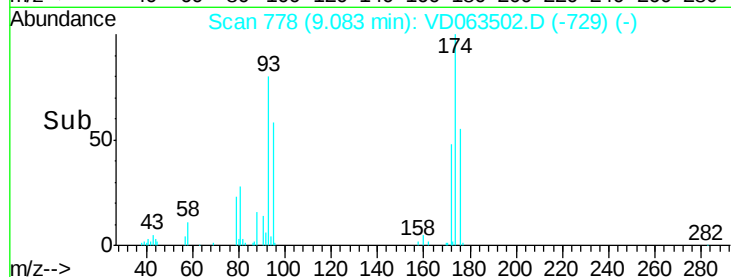
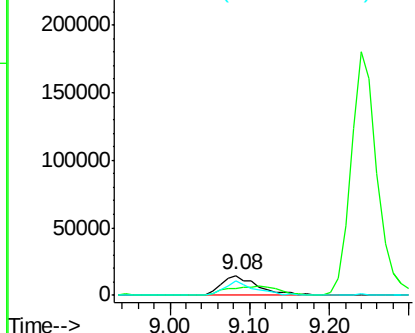
#49
1,4-Dioxane
Concen: 1025.198 ug/l
RT: 9.08 min Scan# 778
Delta R.T. -0.02 min
Lab File: VD063502.D
Acq: 12 Aug 2019 22:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 46552
Ion Ratio Lower Upper
88 100
43 34.1 22.9 34.3
58 70.1 40.1 60.1#

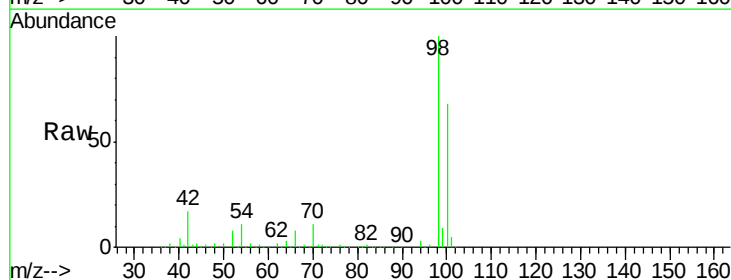


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

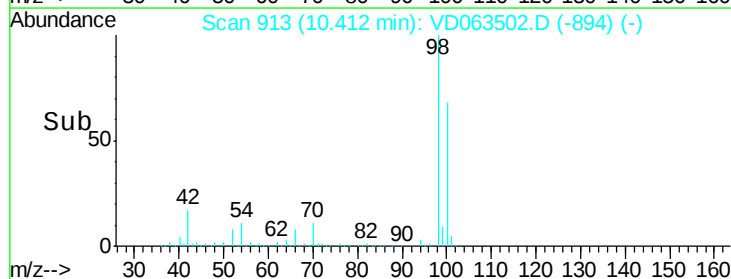
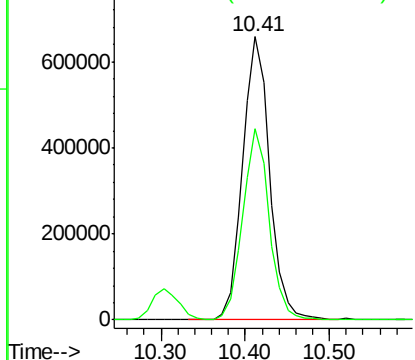


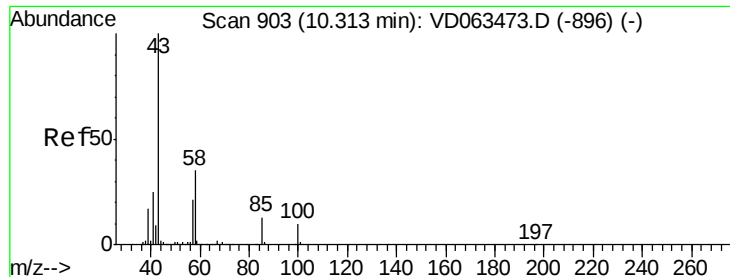
#50
Toluene-d8
Concen: 52.726 ug/l
RT: 10.41 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD063502.D
Acq: 12 Aug 2019 22:48

Tgt Ion: 98 Resp: 1474534
Ion Ratio Lower Upper
98 100
100 67.6 51.7 77.5



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





#51

4-Methyl-2-Pentanone

Concen: 292.381 ug/l

RT: 10.30 min Scan# 902

Delta R.T. -0.01 min

Lab File: VD063502.D

Acq: 12 Aug 2019 22:48

Instrument :

MSVOA_D

ClientSampleId :

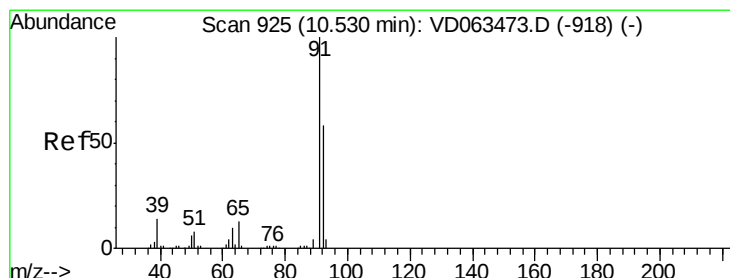
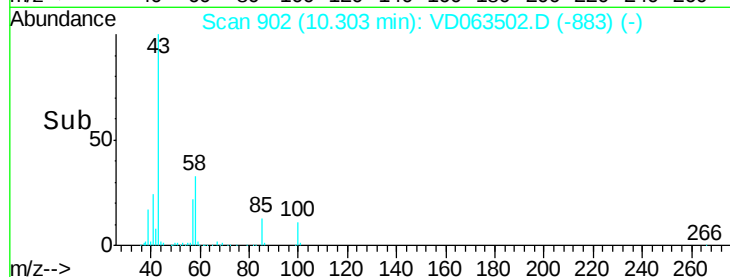
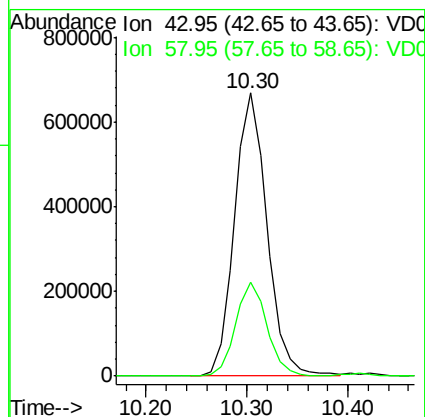
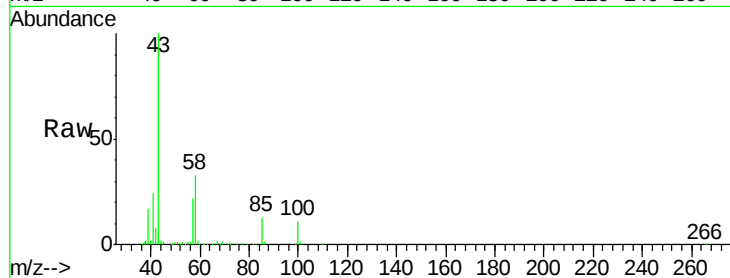
VSTDCCC050

Tot Ion: 43 Resp: 1499167

Ion Ratio Lower Upper

43 100

58 33.3 28.0 42.0



#52

Toluene

Concen: 54.265 ug/l

RT: 10.51 min Scan# 923

Delta R.T. -0.02 min

Lab File: VD063502.D

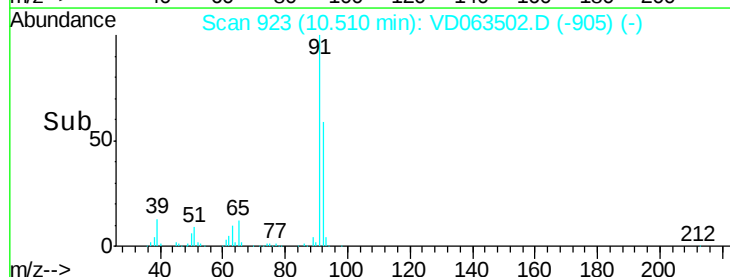
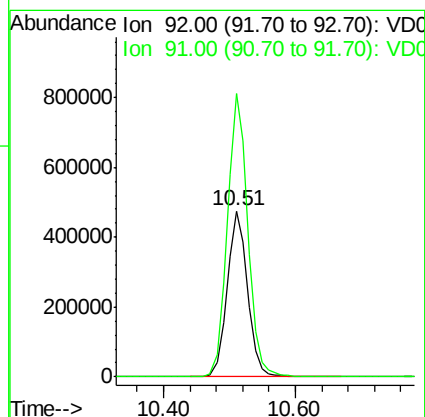
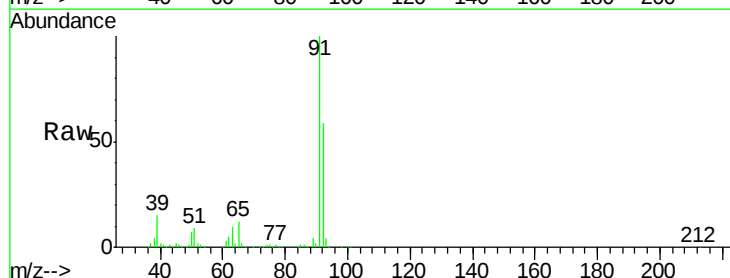
Acq: 12 Aug 2019 22:48

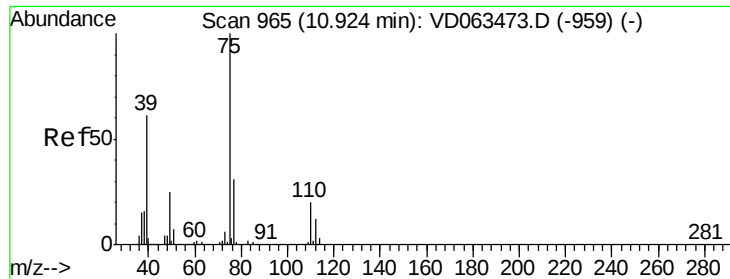
Tgt Ion: 92 Resp: 1026979

Ion Ratio Lower Upper

92 100

91 170.6 137.9 206.9

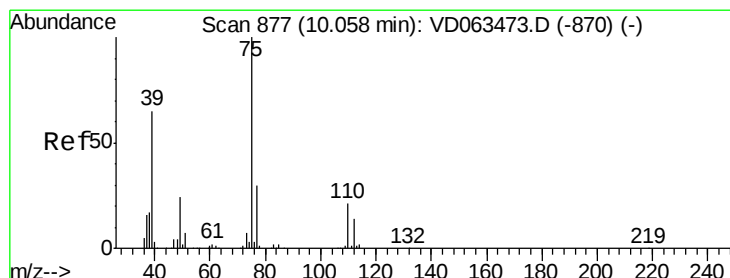
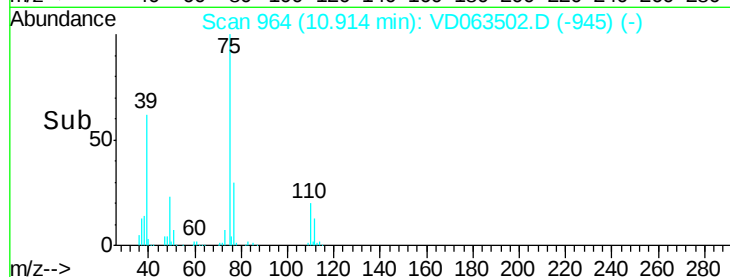
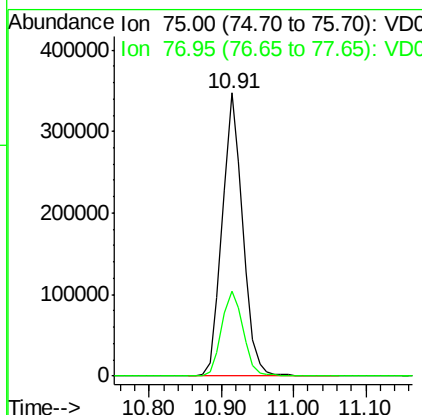
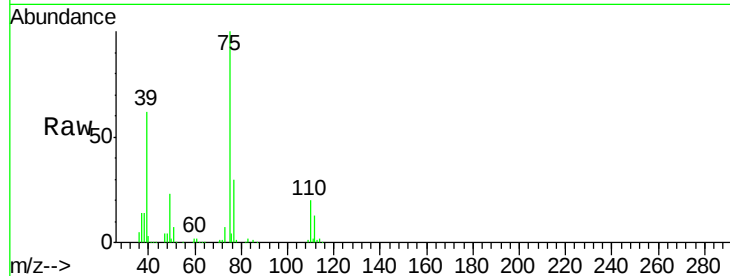




#53
t-1,3-Dichloropropene
Concen: 55.860 ug/l
RT: 10.91 min Scan# 964
Delta R.T. -0.01 min
Lab File: VD063502.D
Acq: 12 Aug 2019 22:48

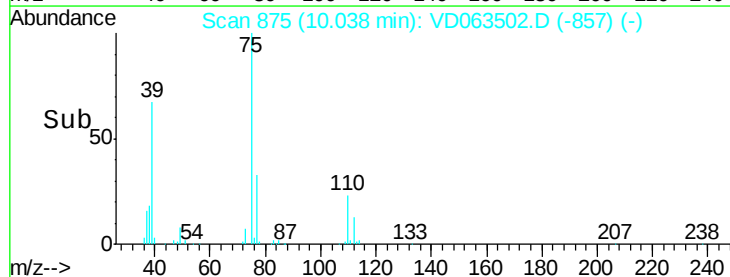
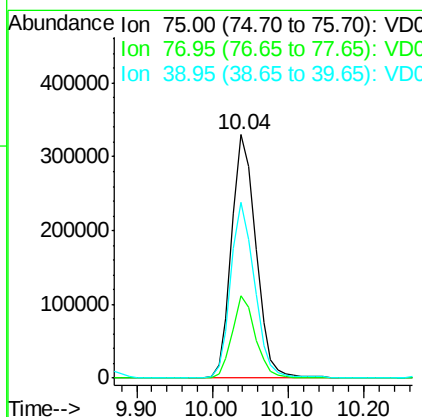
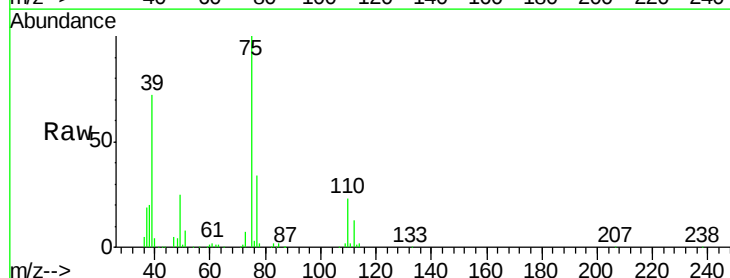
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

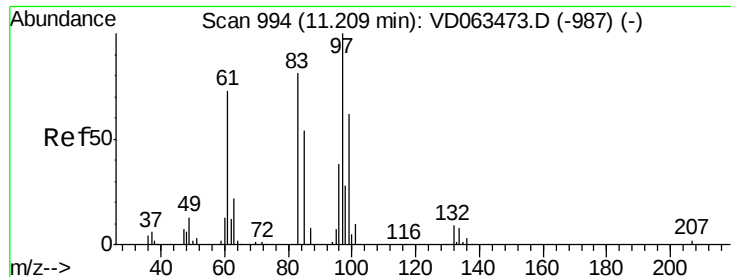
Tot Ion: 75 Resp: 683299
Ion Ratio Lower Upper
75 100
77 30.0 24.5 36.7



#54
cis-1,3-Dichloropropene
Concen: 53.299 ug/l
RT: 10.04 min Scan# 875
Delta R.T. -0.02 min
Lab File: VD063502.D
Acq: 12 Aug 2019 22:48

Tgt Ion: 75 Resp: 735147
Ion Ratio Lower Upper
75 100
77 33.9 23.7 35.5
39 72.5 52.2 78.4

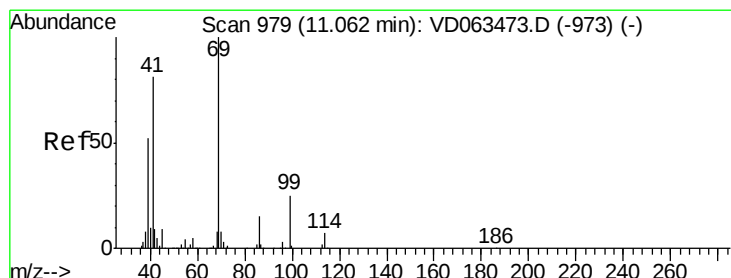
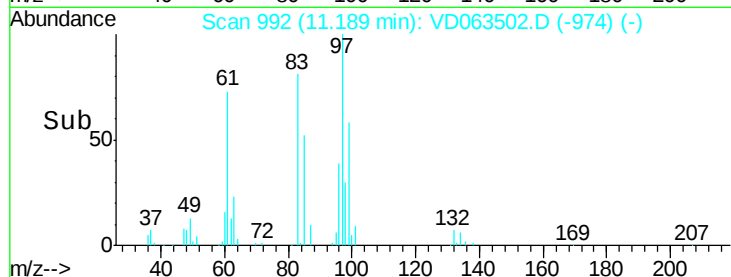
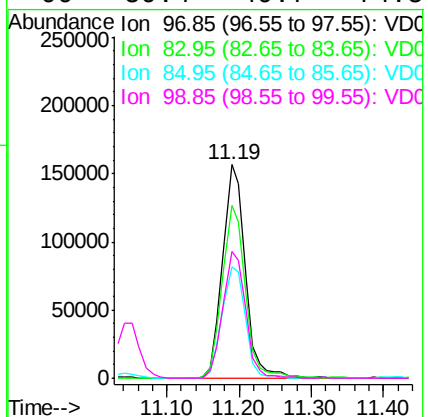
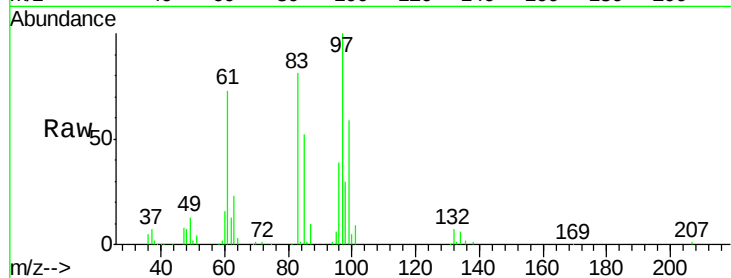




#55
 1,1,2-Trichloroethane
 Concen: 53.526 ug/l
 RT: 11.19 min Scan# 992
 Delta R.T. -0.02 min
 Lab File: VD063502.D
 Acq: 12 Aug 2019 22:48

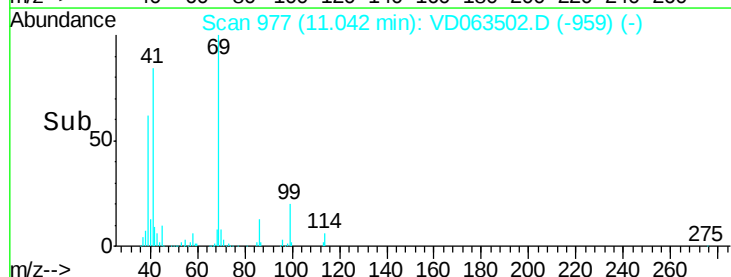
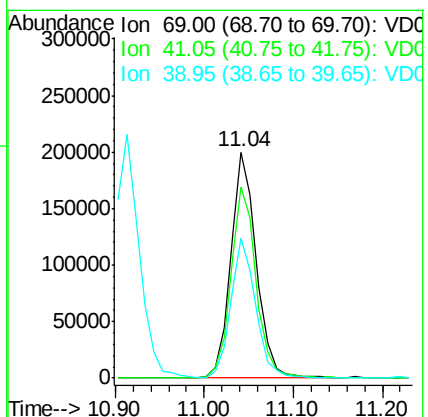
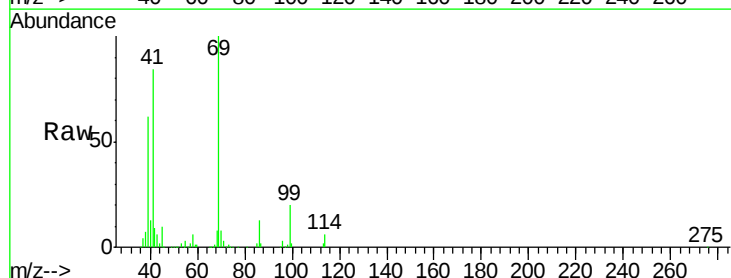
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

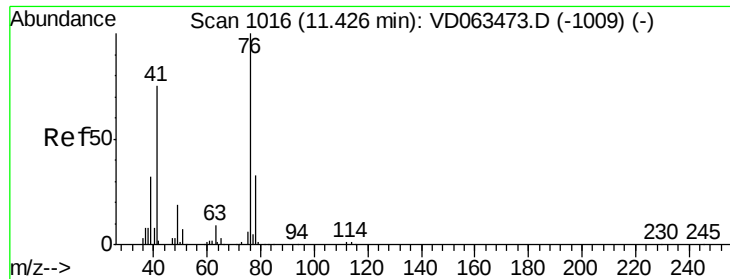
Tot Ion:	97	Resp:	342187
Ion	Ratio	Lower	Upper
97	100		
83	80.7	64.7	97.1
85	52.3	42.9	64.3
99	59.4	49.7	74.5



#56
 Ethyl methacrylate
 Concen: 57.751 ug/l
 RT: 11.04 min Scan# 977
 Delta R.T. -0.02 min
 Lab File: VD063502.D
 Acq: 12 Aug 2019 22:48

Tgt Ion:	69	Resp:	400724
Ion	Ratio	Lower	Upper
69	100		
41	84.5	64.8	97.2
39	61.8	42.4	63.6





#57

1,3-Dichloropropane

Concen: 54.910 ug/l

RT: 11.41 min Scan# 1014

Delta R.T. -0.02 min

Lab File: VD063502.D

Acq: 12 Aug 2019 22:48

Instrument :

MSVOA_D

ClientSampleId :

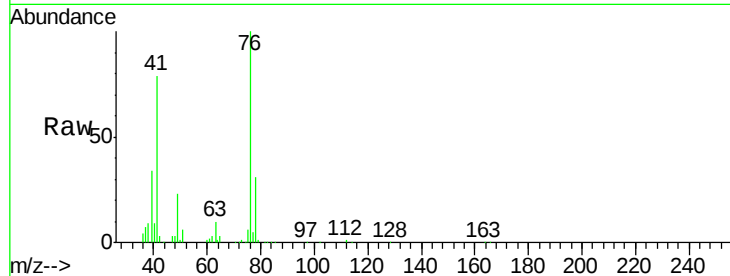
VSTDCCC050

Tot Ion: 76 Resp: 530610

Ion Ratio Lower Upper

76 100

78 31.0 26.3 39.5



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

11.41

250000

200000

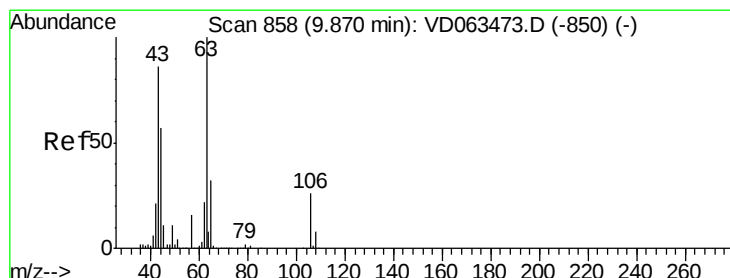
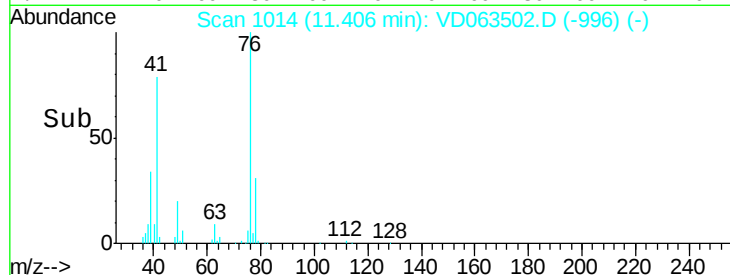
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 281.199 ug/l

RT: 9.86 min Scan# 857

Delta R.T. -0.01 min

Lab File: VD063502.D

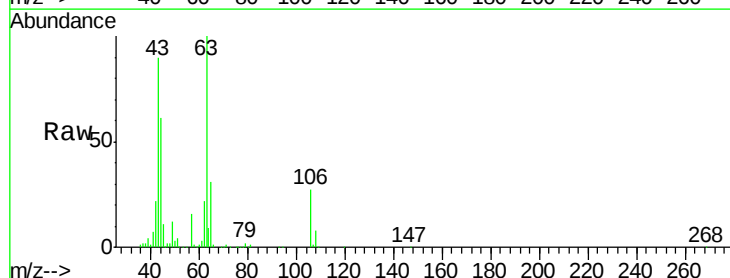
Acq: 12 Aug 2019 22:48

Tgt Ion: 63 Resp: 1030093

Ion Ratio Lower Upper

63 100

106 27.1 20.8 31.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

9.86

500000

400000

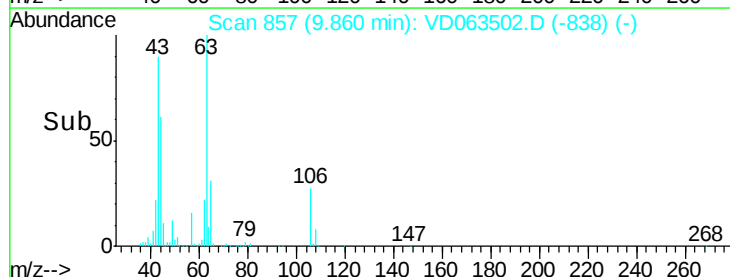
300000

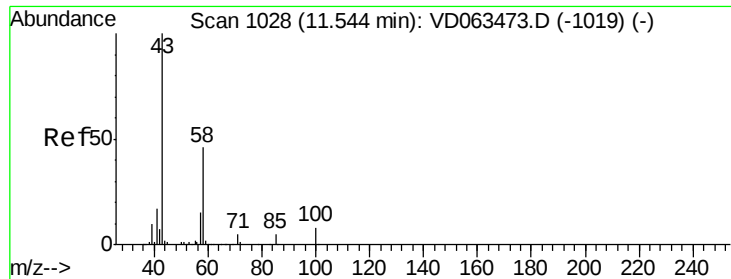
200000

100000

0

Time-->

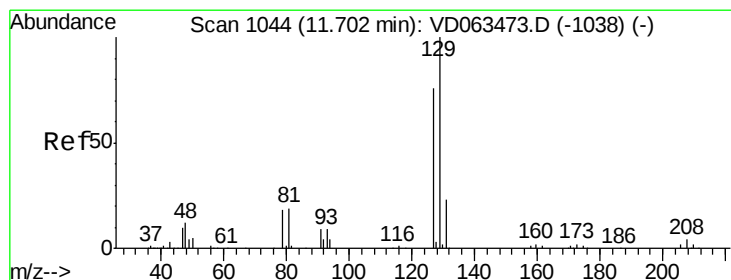
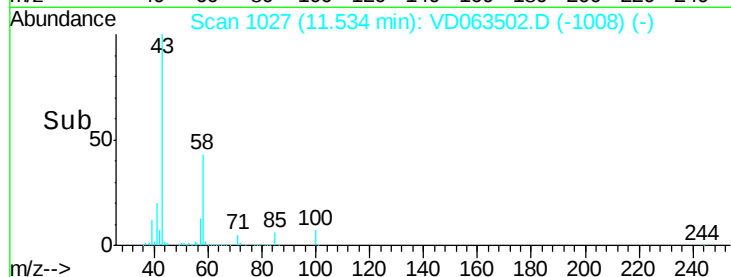
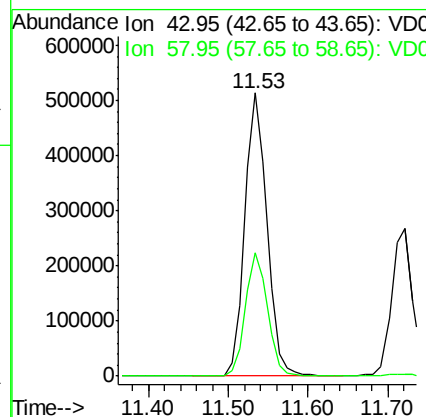
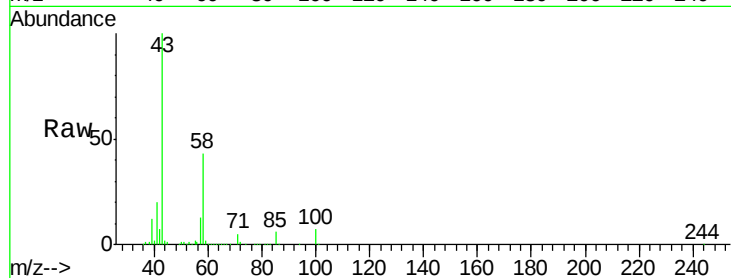




#59
2-Hexanone
Concen: 264.591 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. -0.01 min
Lab File: VD063502.D
Acq: 12 Aug 2019 22:48

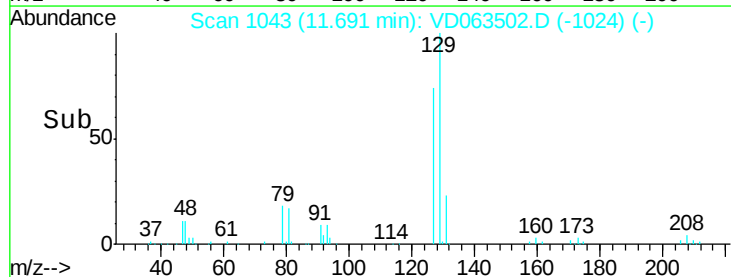
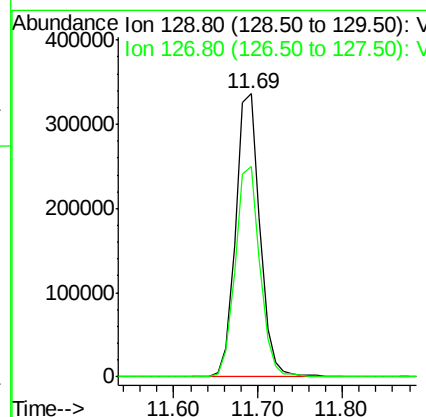
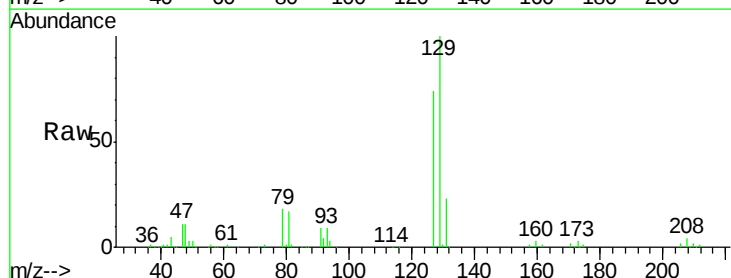
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

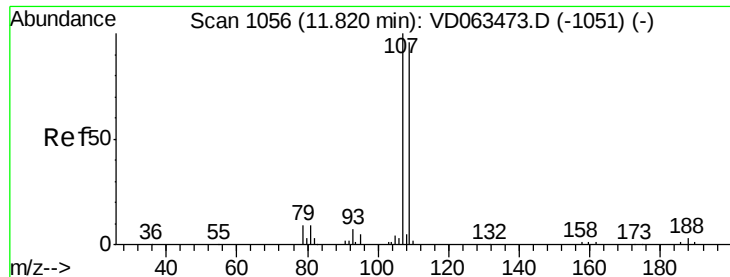
Tot Ion: 43 Resp: 987154
Ion Ratio Lower Upper
43 100
58 43.5 23.1 69.2



#60
Dibromochloromethane
Concen: 57.776 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VD063502.D
Acq: 12 Aug 2019 22:48

Tgt Ion: 129 Resp: 672102
Ion Ratio Lower Upper
129 100
127 74.3 37.8 113.4

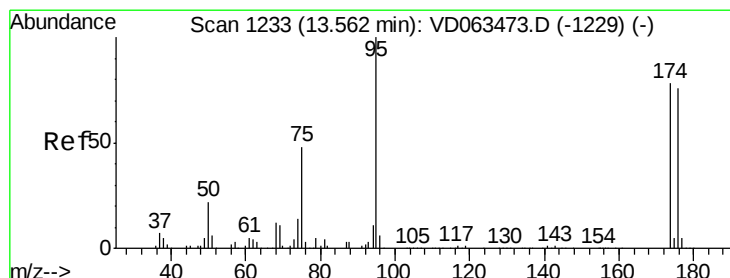
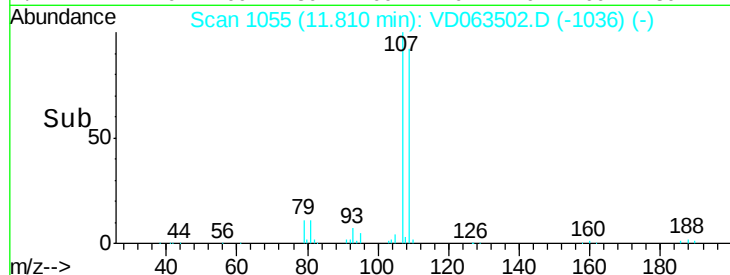
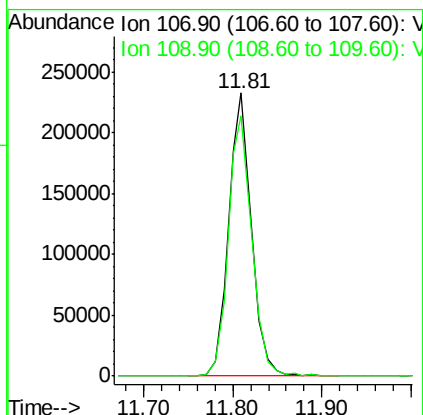
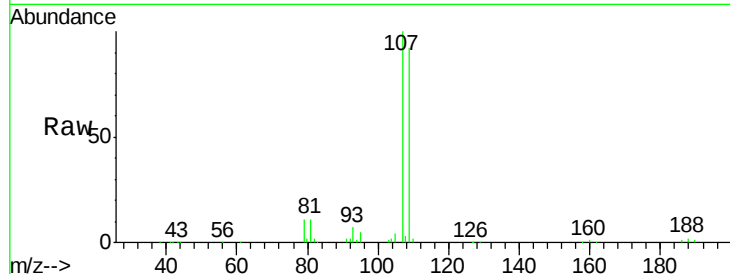




#61
 1,2-Dibromoethane
 Concen: 54.174 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. -0.01 min
 Lab File: VD063502.D
 Acq: 12 Aug 2019 22:48

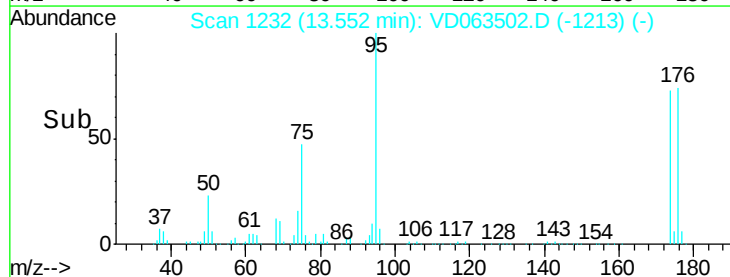
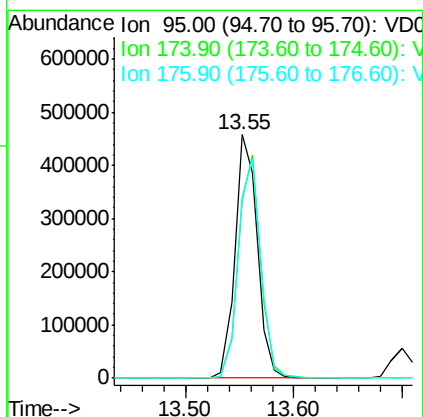
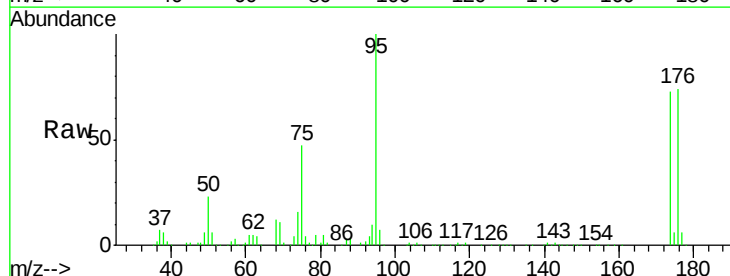
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:107 Resp: 419260
 Ion Ratio Lower Upper
 107 100
 109 92.1 76.8 115.2



#62
 4-Bromofluorobenzene
 Concen: 51.722 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.01 min
 Lab File: VD063502.D
 Acq: 12 Aug 2019 22:48

Tgt Ion: 95 Resp: 655601
 Ion Ratio Lower Upper
 95 100
 174 73.3 0.0 155.4
 176 74.4 0.0 152.4

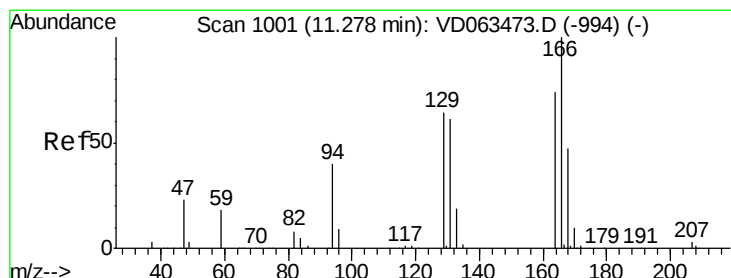
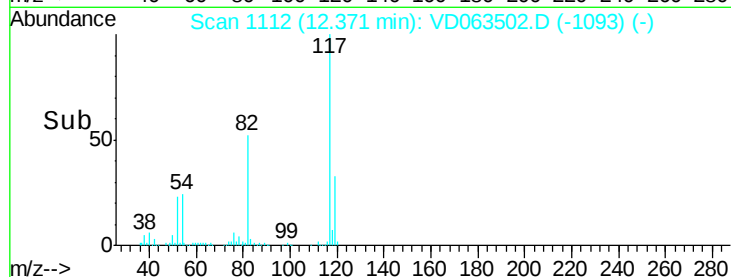
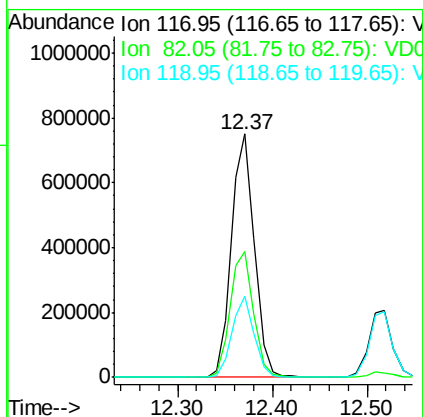
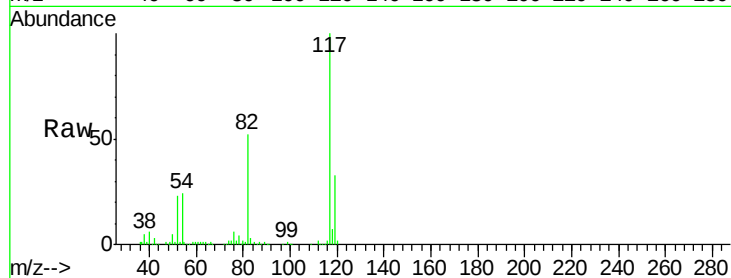




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.01 min
Lab File: VD063502.D
Acq: 12 Aug 2019 22:48

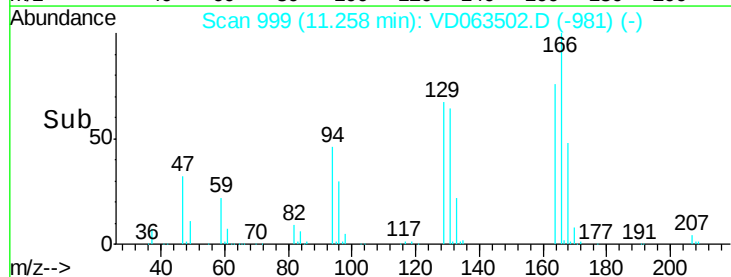
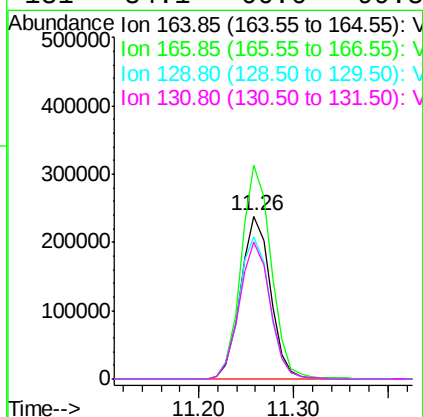
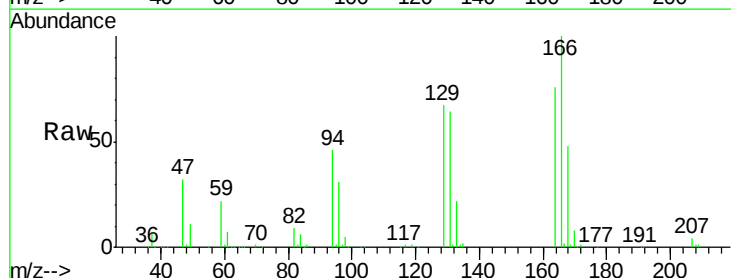
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

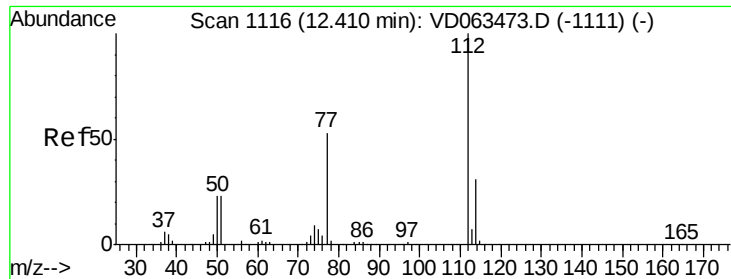
Tot Ion:117 Resp: 1257074
Ion Ratio Lower Upper
117 100
82 51.7 42.0 63.0
119 33.3 25.4 38.0



#64
Tetrachloroethene
Concen: 54.064 ug/l
RT: 11.26 min Scan# 999
Delta R.T. -0.02 min
Lab File: VD063502.D
Acq: 12 Aug 2019 22:48

Tgt Ion:164 Resp: 524649
Ion Ratio Lower Upper
164 100
166 131.1 108.6 163.0
129 87.5 69.0 103.6
131 84.1 66.6 99.8

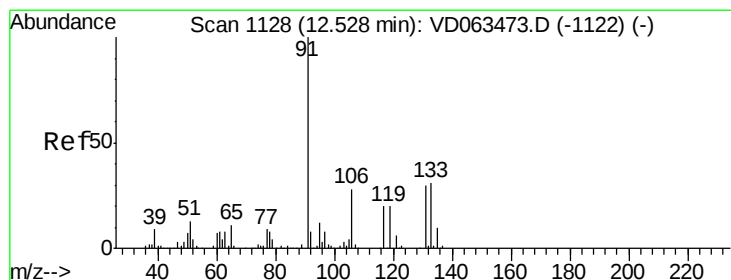
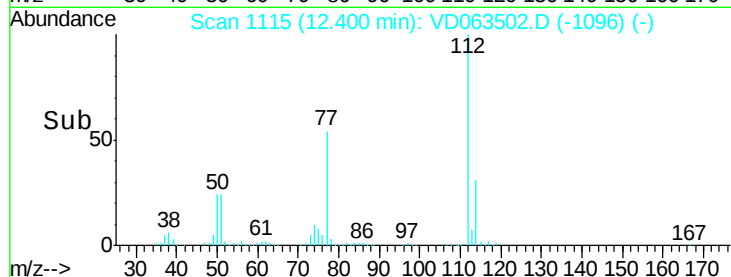
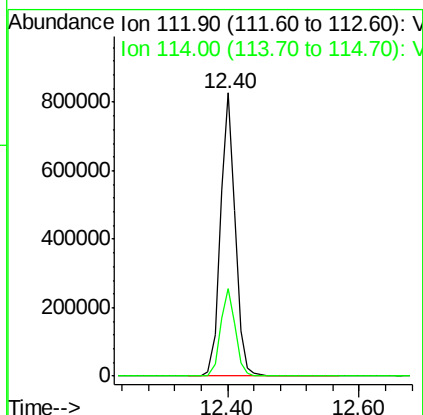
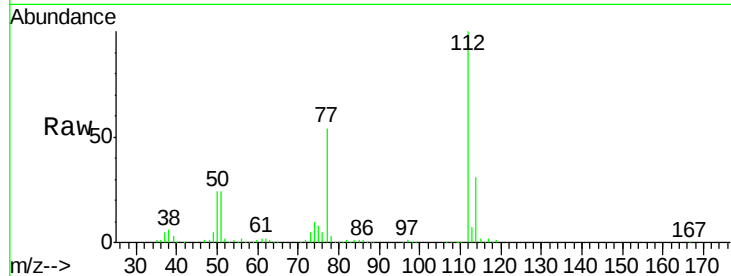




#65
Chlorobenzene
Concen: 54.457 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. -0.01 min
Lab File: VD063502.D
Acq: 12 Aug 2019 22:48

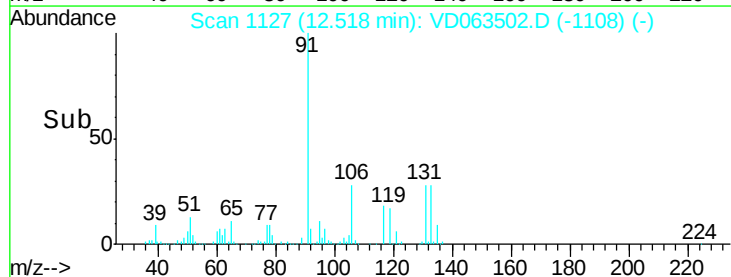
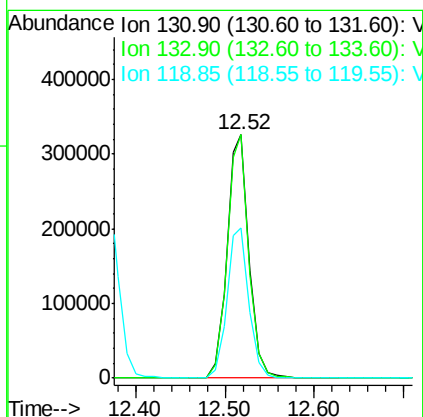
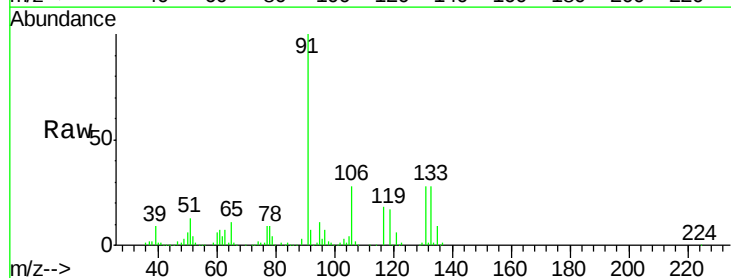
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

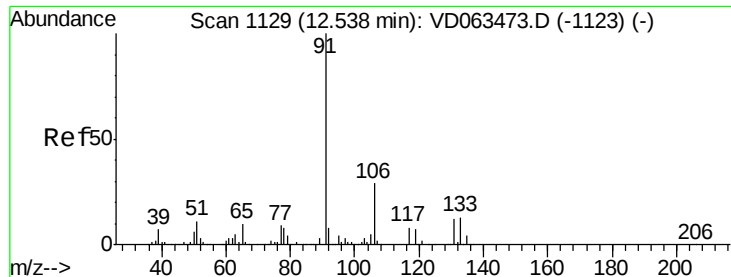
Tot Ion:112 Resp: 1283050
Ion Ratio Lower Upper
112 100
114 31.1 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 54.262 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VD063502.D
Acq: 12 Aug 2019 22:48

Tgt Ion:131 Resp: 562641
Ion Ratio Lower Upper
131 100
133 99.9 51.1 153.3
119 61.6 33.1 99.3

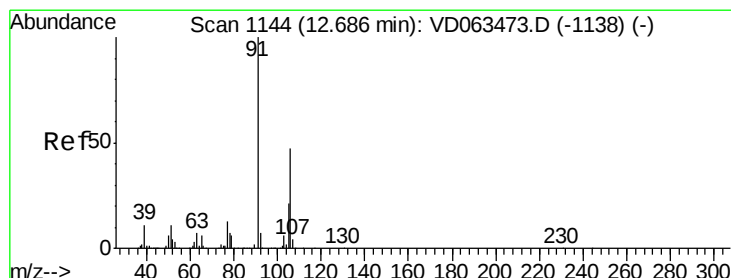
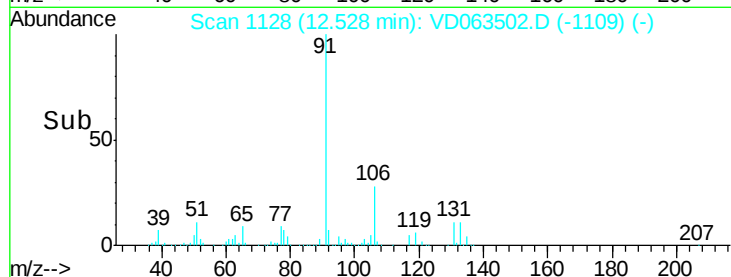
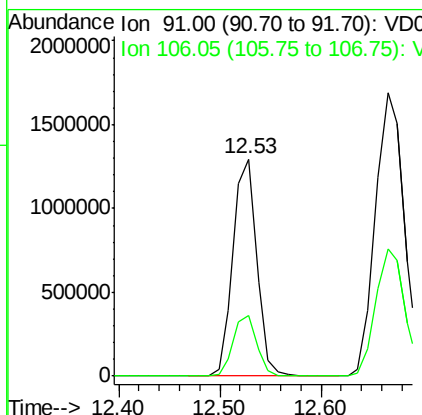
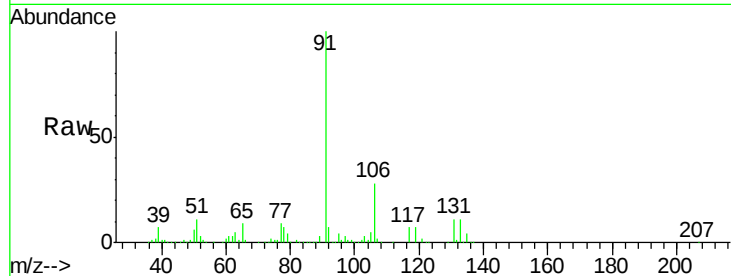




#67
Ethyl Benzene
Concen: 51.773 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. -0.01 min
Lab File: VD063502.D
Acq: 12 Aug 2019 22:48

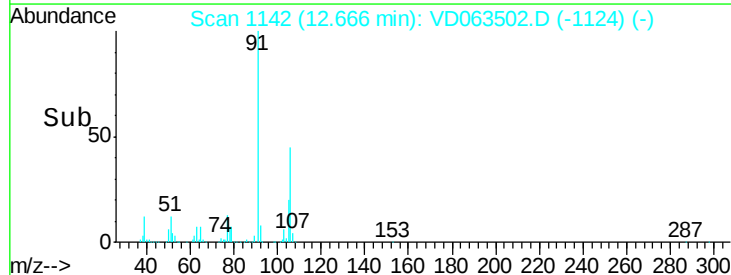
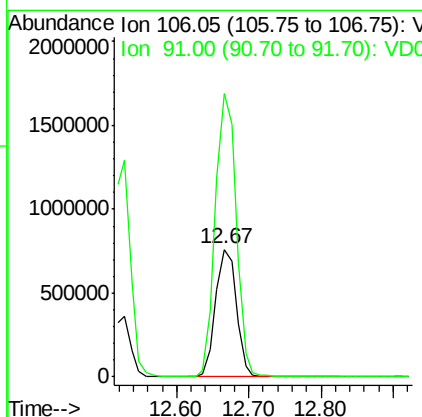
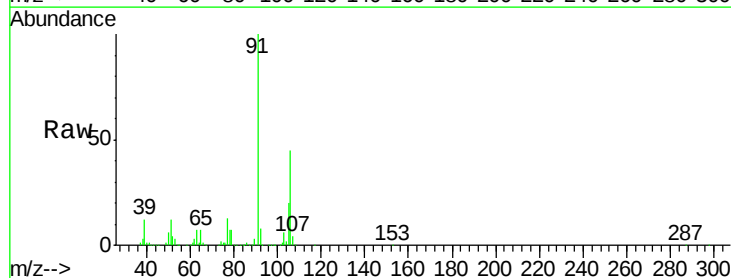
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

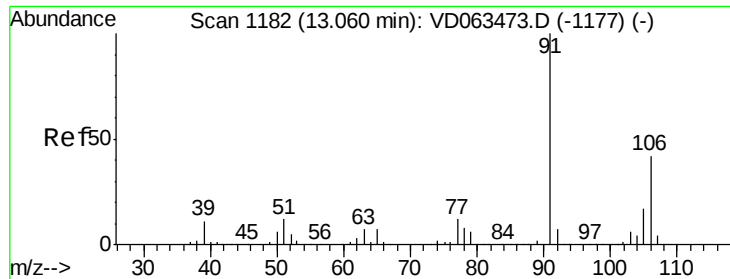
Tot Ion: 91 Resp: 2120930
Ion Ratio Lower Upper
91 100
106 27.8 23.1 34.7



#68
m/p-Xylenes
Concen: 105.344 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. -0.02 min
Lab File: VD063502.D
Acq: 12 Aug 2019 22:48

Tgt Ion: 106 Resp: 1516186
Ion Ratio Lower Upper
106 100
91 222.2 171.8 257.8

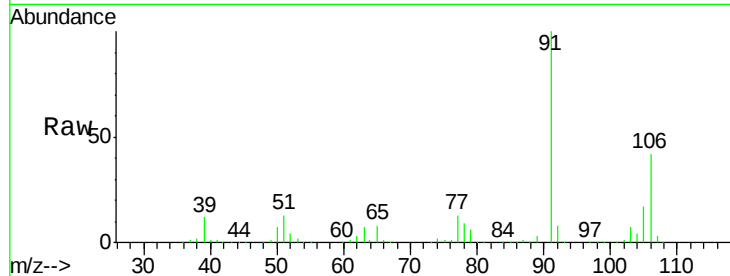




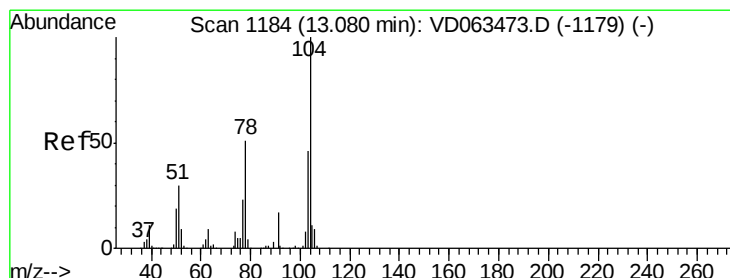
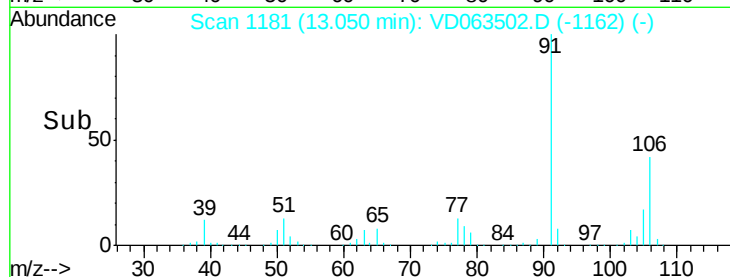
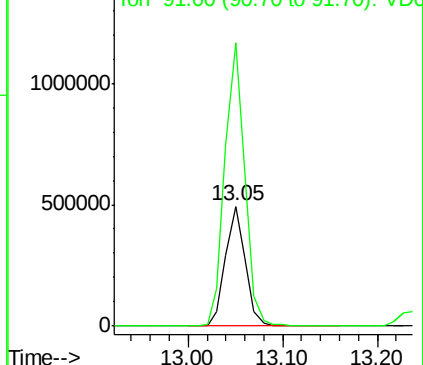
#69
o-Xylene
Concen: 52.119 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.01 min
Lab File: VD063502.D
Acq: 12 Aug 2019 22:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 721979
Ion Ratio Lower Upper
106 100
91 235.5 118.1 354.2

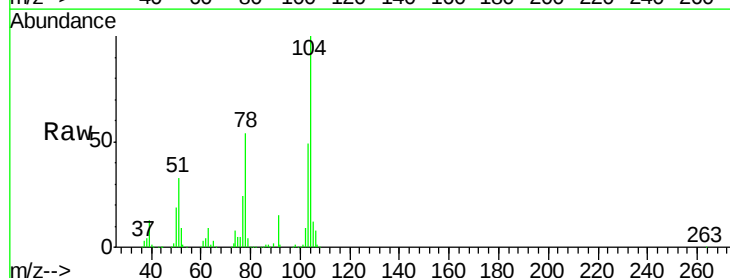


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

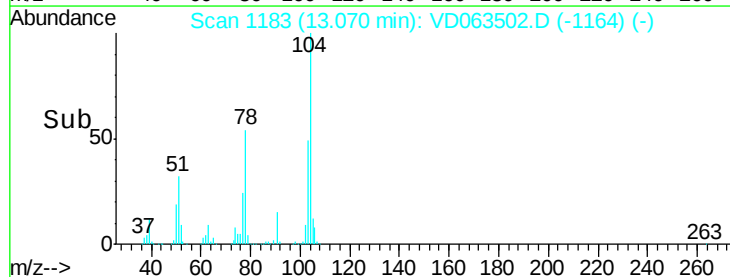
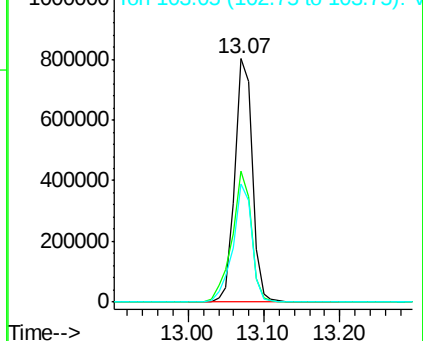


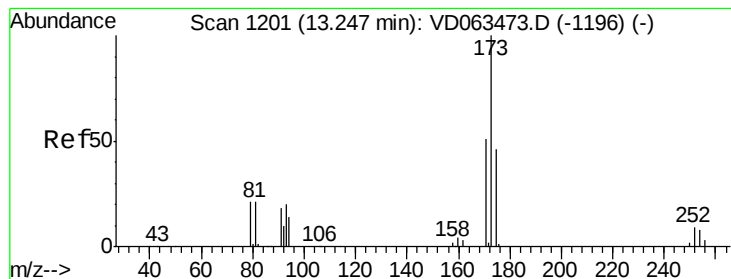
#70
Styrene
Concen: 51.325 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.01 min
Lab File: VD063502.D
Acq: 12 Aug 2019 22:48

Tgt Ion:104 Resp: 1264668
Ion Ratio Lower Upper
104 100
78 53.6 40.8 61.2
103 48.6 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: 58.543 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. -0.01 min

Lab File: VD063502.D

Acq: 12 Aug 2019 22:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

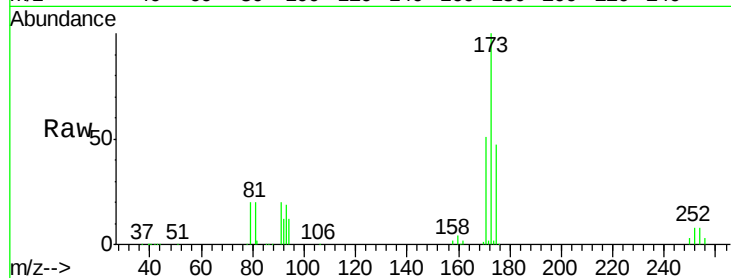
Tot Ion:173 Resp: 416236

Ion Ratio Lower Upper

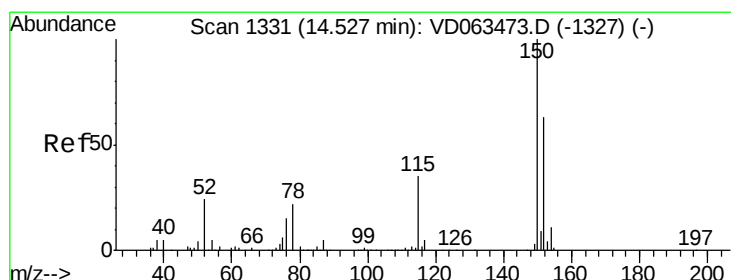
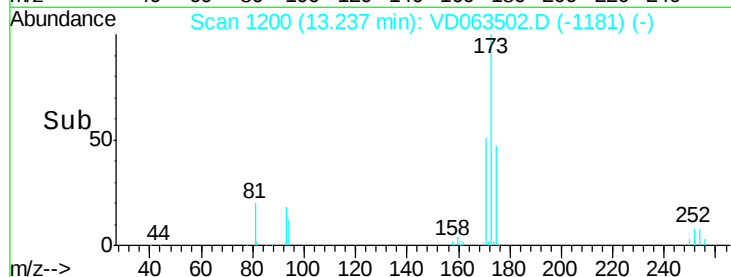
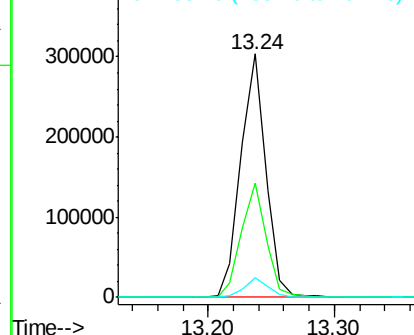
173 100

175 46.7 22.8 68.3

254 8.3 6.6 9.8



Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. -0.01 min

Lab File: VD063502.D

Acq: 12 Aug 2019 22:48

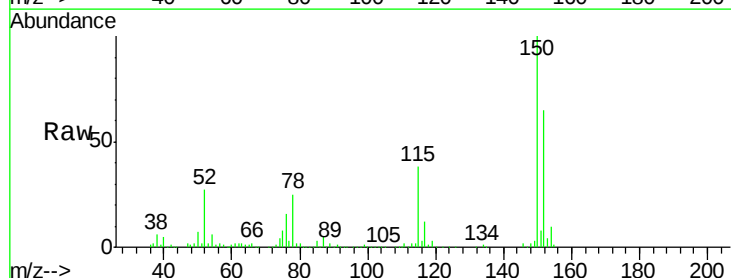
Tgt Ion:152 Resp: 656637

Ion Ratio Lower Upper

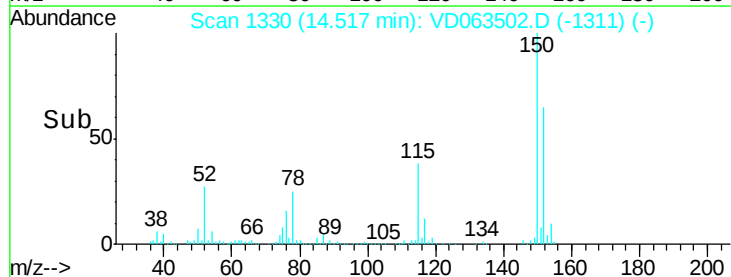
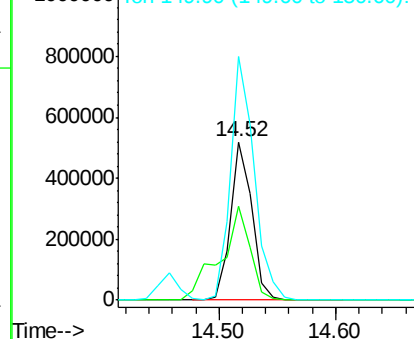
152 100

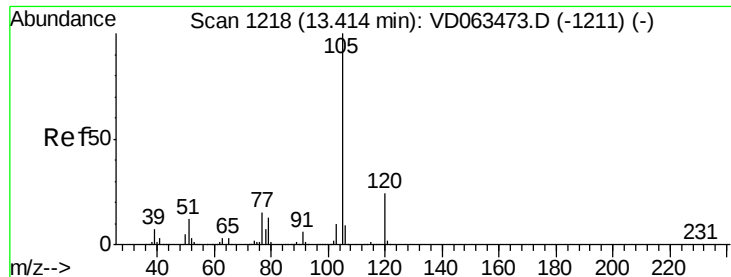
115 59.0 30.9 92.7

150 154.0 0.0 318.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 54.582 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. -0.01 min

Lab File: VD063502.D

Acq: 12 Aug 2019 22:48

Instrument :

MSVOA_D

ClientSampleId :

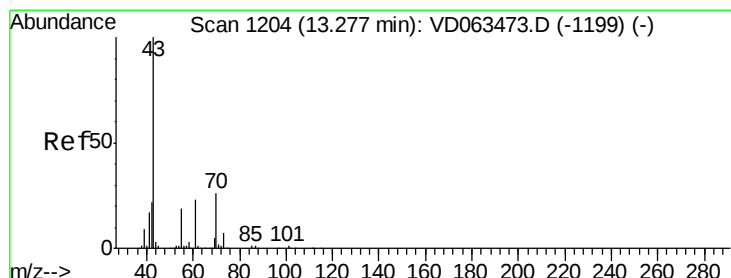
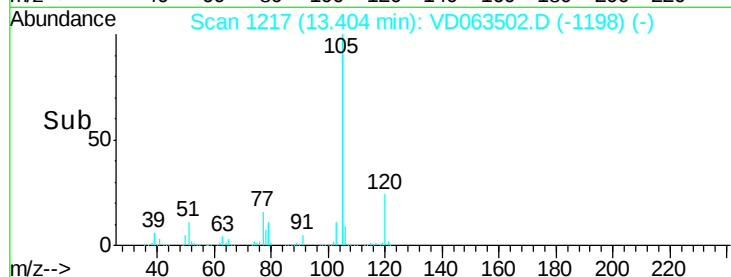
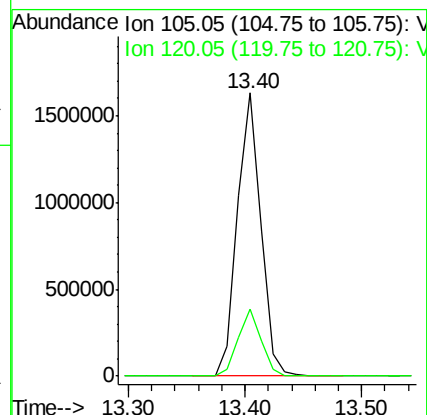
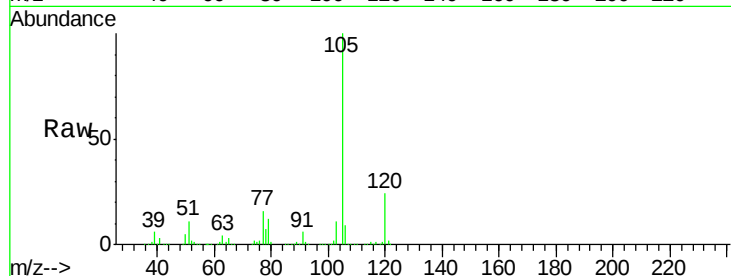
VSTDCCC050

Tot Ion:105 Resp: 2279641

Ion Ratio Lower Upper

105 100

120 23.9 11.9 35.9



#74

N-ethyl acetate

Concen: 58.209 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. -0.01 min

Lab File: VD063502.D

Acq: 12 Aug 2019 22:48

Tgt Ion: 43 Resp: 610291

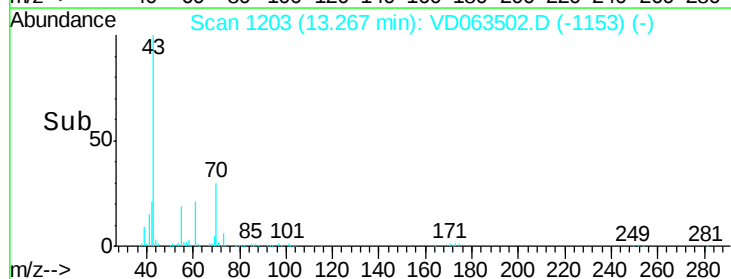
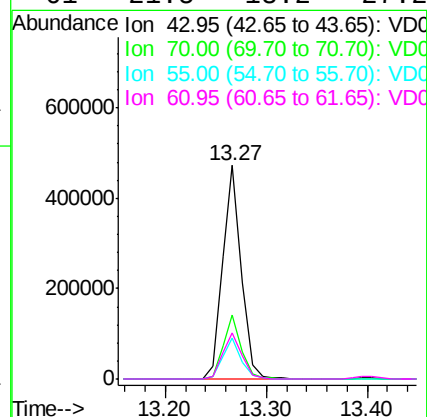
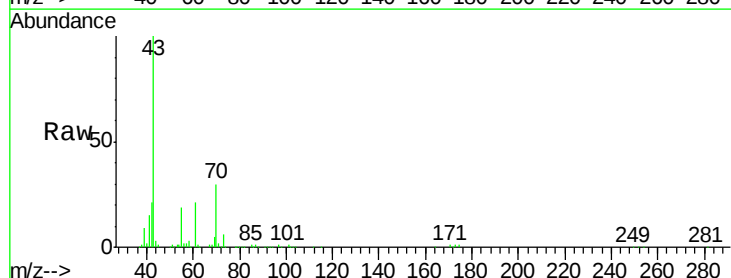
Ion Ratio Lower Upper

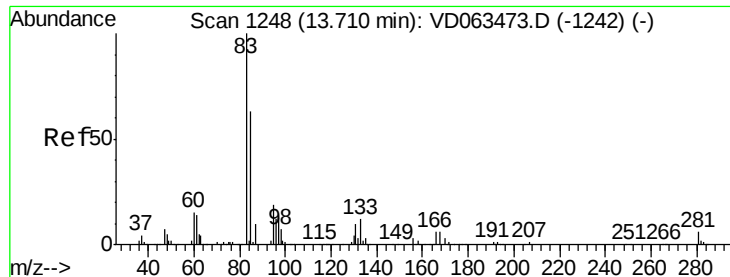
43 100

70 30.0 21.1 31.7

55 18.9 15.4 23.0

61 21.5 18.2 27.2





#75

1,1,2,2-Tetrachloroethane

Concen: 61.188 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.01 min

Lab File: VD063502.D

Acq: 12 Aug 2019 22:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

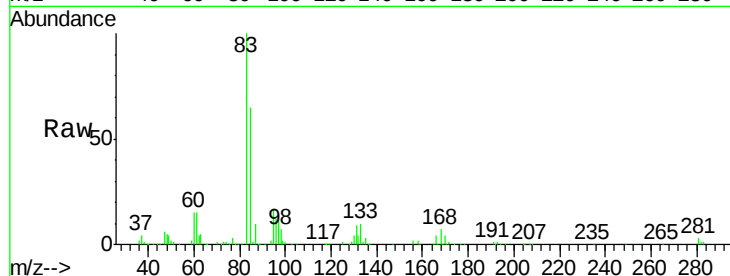
Tot Ion: 83 Resp: 424179

Ion	Ratio	Lower	Upper
83	100		
131	9.4	5.3	15.8
85	65.2	31.4	94.3

83 100

131 9.4 5.3 15.8

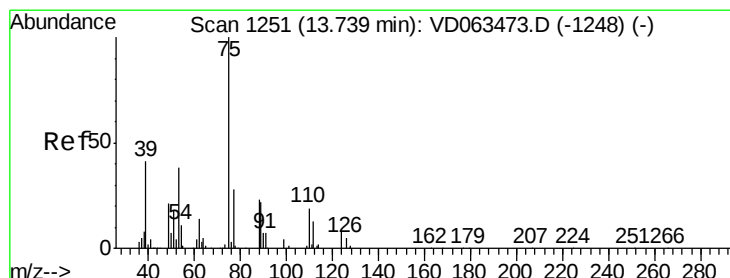
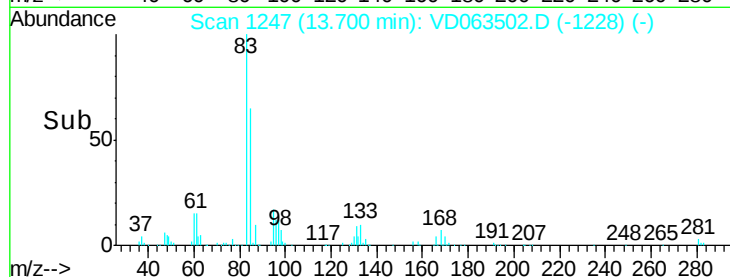
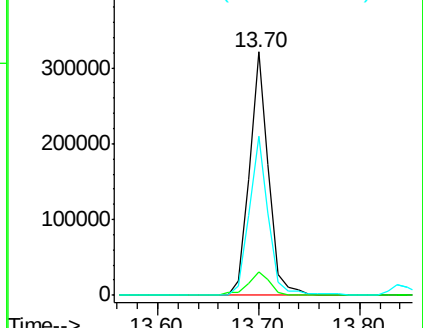
85 65.2 31.4 94.3



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: 57.673 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.01 min

Lab File: VD063502.D

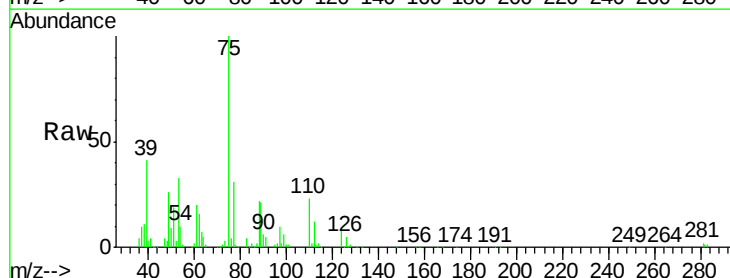
Acq: 12 Aug 2019 22:48

Tgt Ion: 75 Resp: 434624

Ion	Ratio	Lower	Upper
75	100		
77	30.5	15.1	45.3

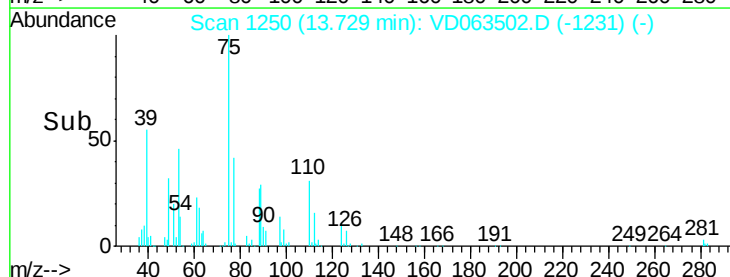
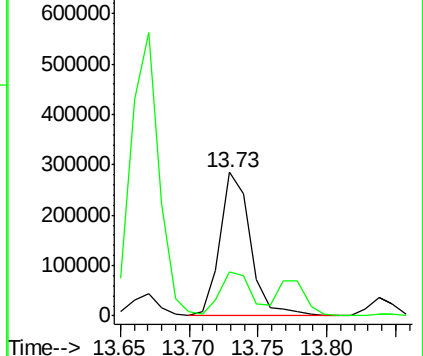
75 100

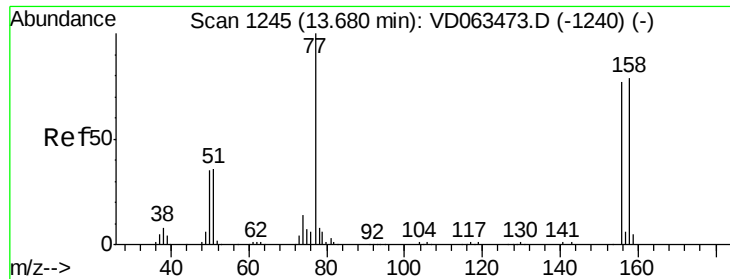
77 30.5 15.1 45.3



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

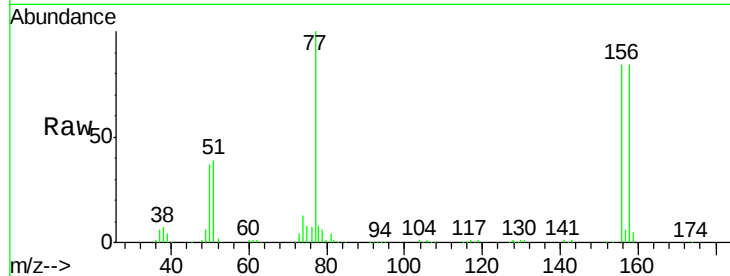




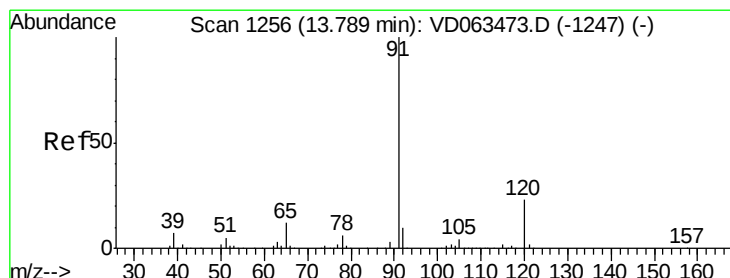
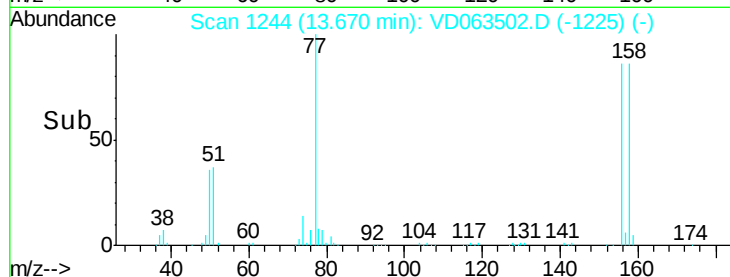
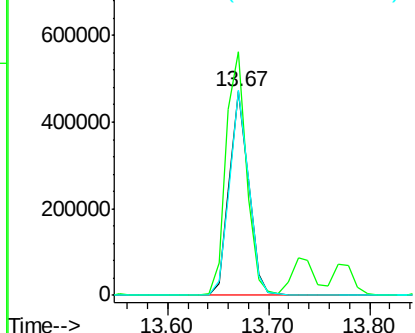
#77
Bromobenzene
Concen: 55.189 ug/l
RT: 13.67 min Scan# 1244
Delta R.T. -0.01 min
Lab File: VD063502.D
Acq: 12 Aug 2019 22:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:156 Resp: 629966
Ion Ratio Lower Upper
156 100
77 119.5 64.6 193.8
158 100.5 50.9 152.7

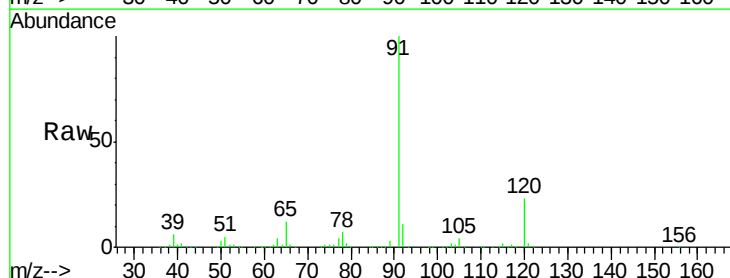


Abundance Ion 155.90 (155.60 to 156.60): V
Ion 76.95 (76.65 to 77.65): VDC
Ion 157.85 (157.55 to 158.55): V

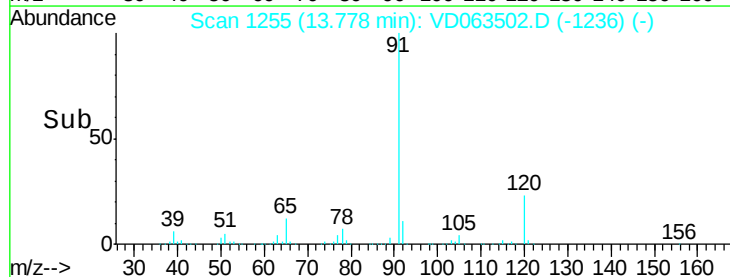
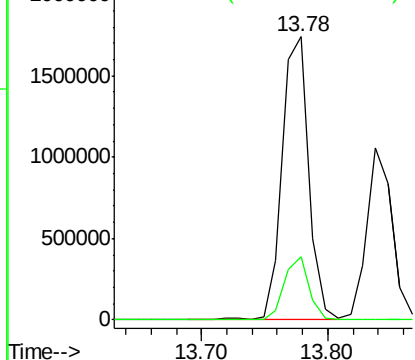


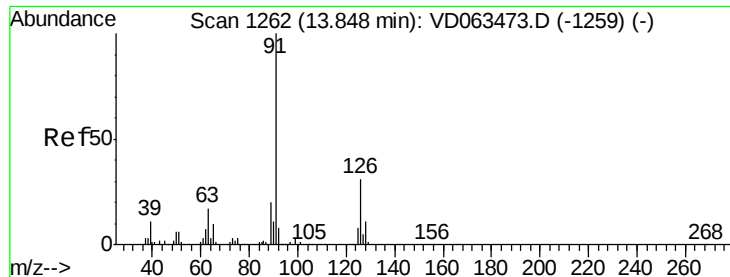
#78
n-propylbenzene
Concen: 52.338 ug/l
RT: 13.78 min Scan# 1255
Delta R.T. -0.01 min
Lab File: VD063502.D
Acq: 12 Aug 2019 22:48

Tgt Ion: 91 Resp: 2557633
Ion Ratio Lower Upper
91 100
120 22.6 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 120.05 (119.75 to 120.75): V

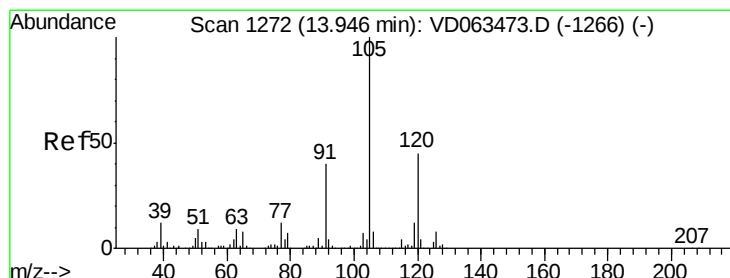
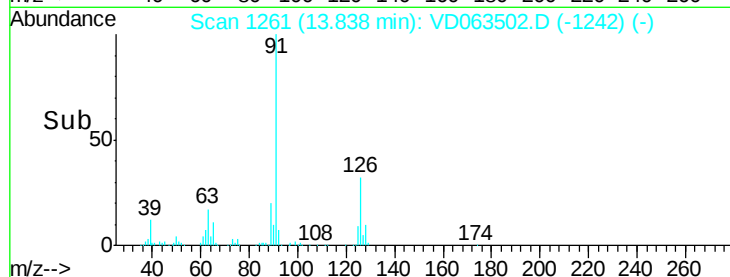
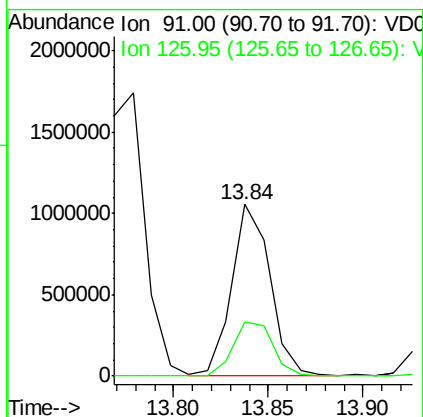
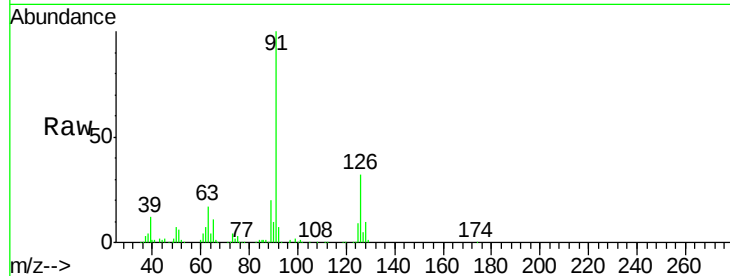




#79
 2-Chlorotoluene
 Concen: 52.135 ug/l
 RT: 13.84 min Scan# 1261
 Delta R.T. -0.01 min
 Lab File: VD063502.D
 Acq: 12 Aug 2019 22:48

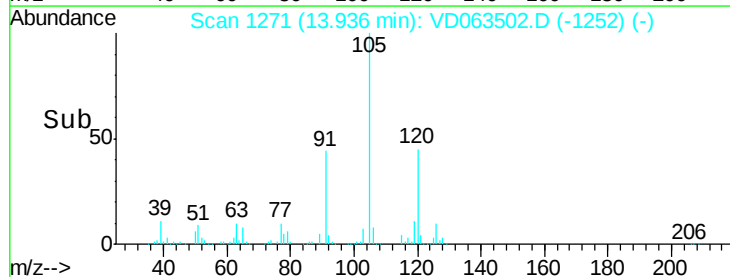
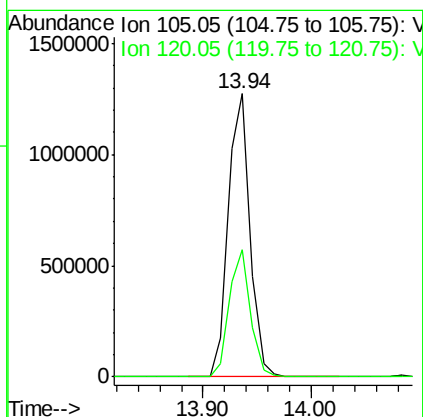
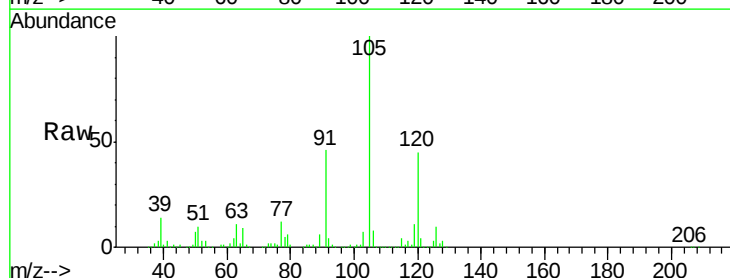
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

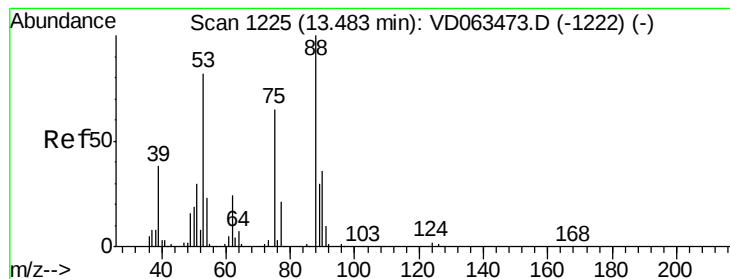
Tot Ion: 91 Resp: 1468962
 Ion Ratio Lower Upper
 91 100
 126 31.7 15.6 46.7



#80
 1,3,5-Trimethylbenzene
 Concen: 48.787 ug/l
 RT: 13.94 min Scan# 1271
 Delta R.T. -0.01 min
 Lab File: VD063502.D
 Acq: 12 Aug 2019 22:48

Tgt Ion: 105 Resp: 1780348
 Ion Ratio Lower Upper
 105 100
 120 45.0 22.8 68.3





#81

trans-1,4-Dichloro-2-butene

Concen: 53.682 ug/l

RT: 13.47 min Scan# 1224

Delta R.T. -0.01 min

Lab File: VD063502.D

Acq: 12 Aug 2019 22:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

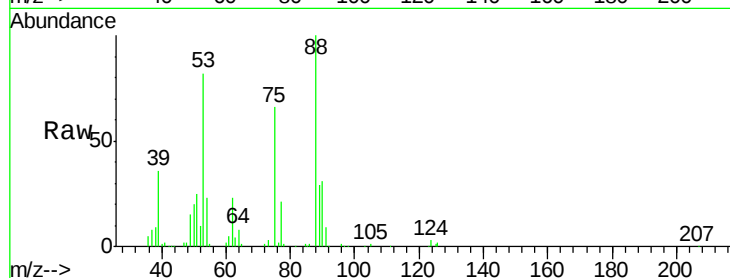
Tot Ion: 75 Resp: 108731

Ion Ratio Lower Upper

75 100

53 125.5 101.0 151.4

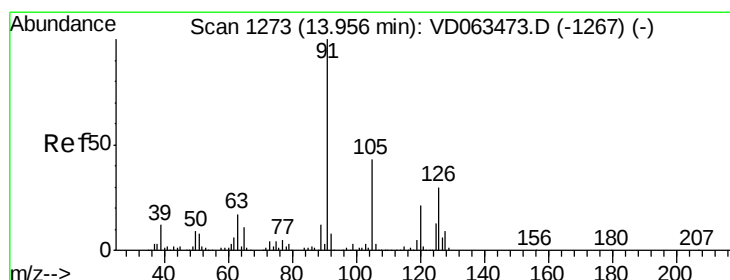
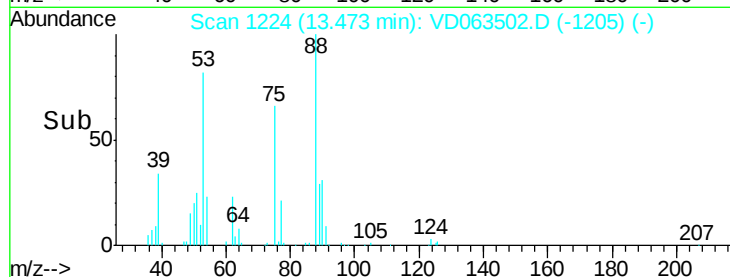
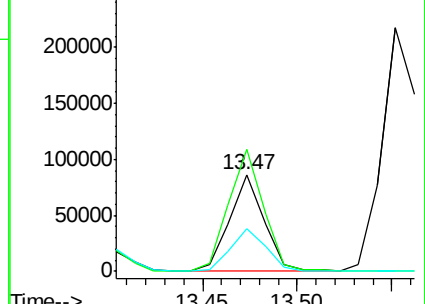
89 44.3 37.0 55.6



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 48.987 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. -0.01 min

Lab File: VD063502.D

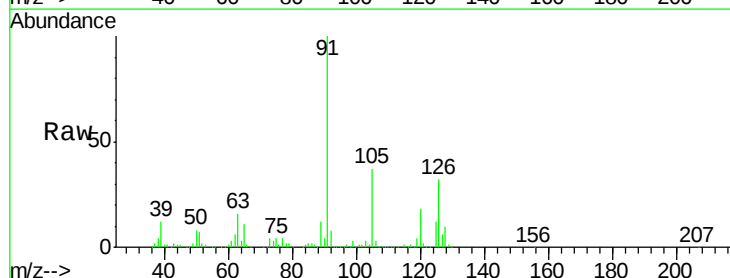
Acq: 12 Aug 2019 22:48

Tgt Ion: 91 Resp: 1659765

Ion Ratio Lower Upper

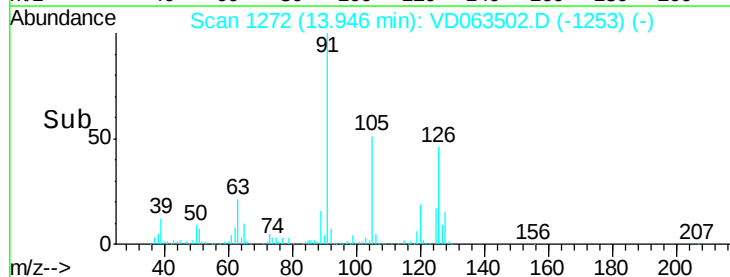
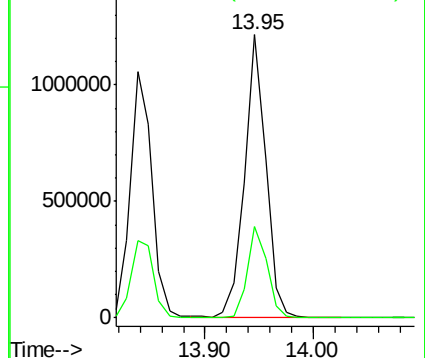
91 100

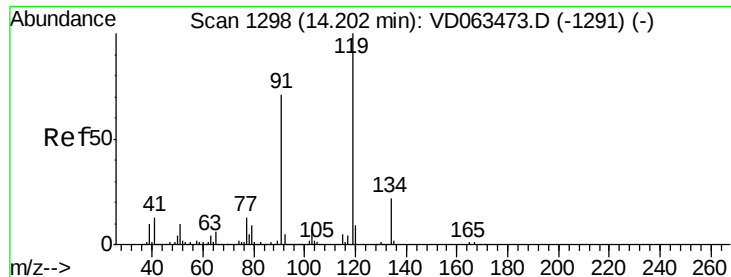
126 32.2 15.2 45.6



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V





#83

tert-Butylbenzene

Concen: 53.253 ug/l

RT: 14.19 min Scan# 1297

Delta R.T. -0.01 min

Lab File: VD063502.D

Acq: 12 Aug 2019 22:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

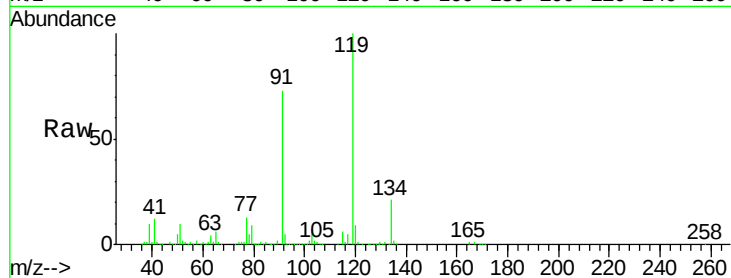
Tot Ion:119 Resp: 2046398

Ion Ratio Lower Upper

119 100

91 72.7 35.5 106.7

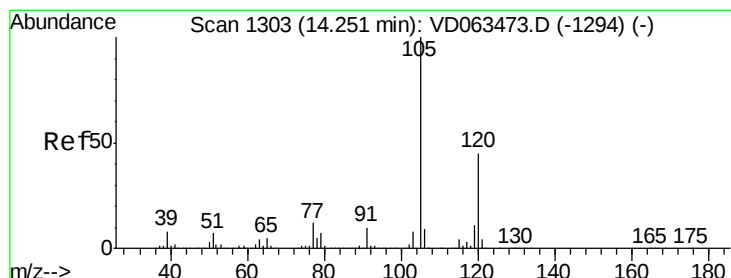
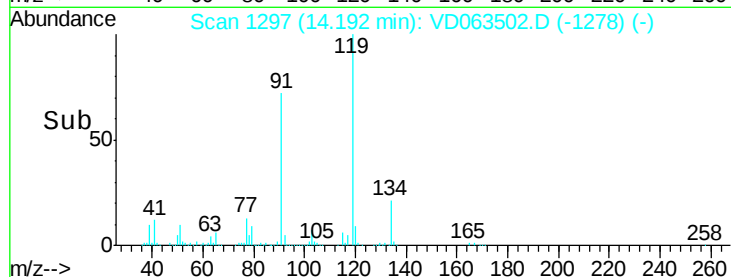
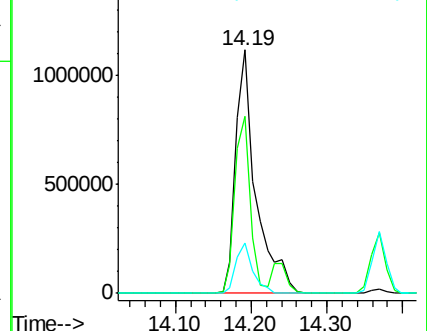
134 20.9 11.1 33.1



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 54.680 ug/l

RT: 14.24 min Scan# 1302

Delta R.T. -0.01 min

Lab File: VD063502.D

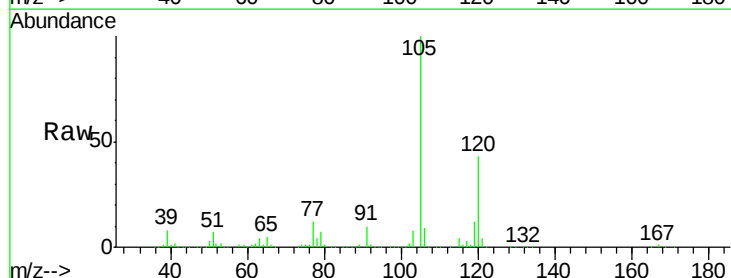
Acq: 12 Aug 2019 22:48

Tgt Ion:105 Resp: 1846284

Ion Ratio Lower Upper

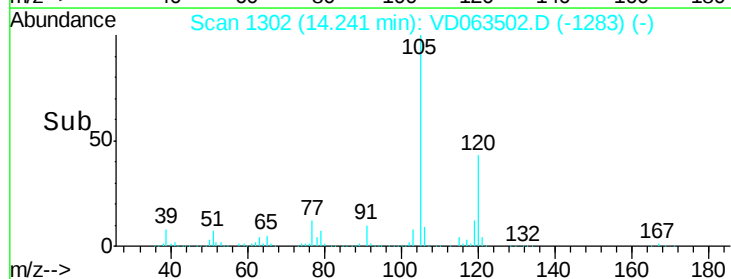
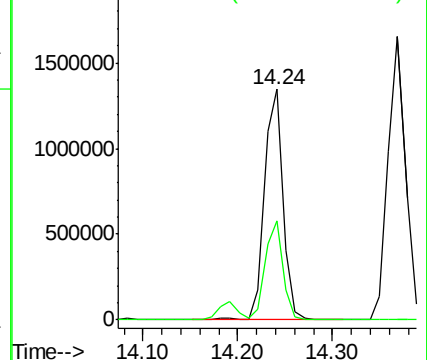
105 100

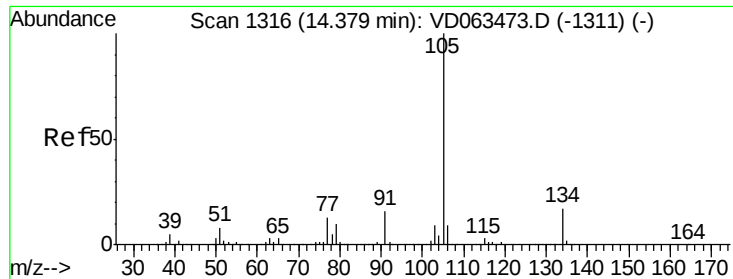
120 43.2 22.7 68.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 52.029 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VD063502.D

Acq: 12 Aug 2019 22:48

Instrument :

MSVOA_D

ClientSampleId :

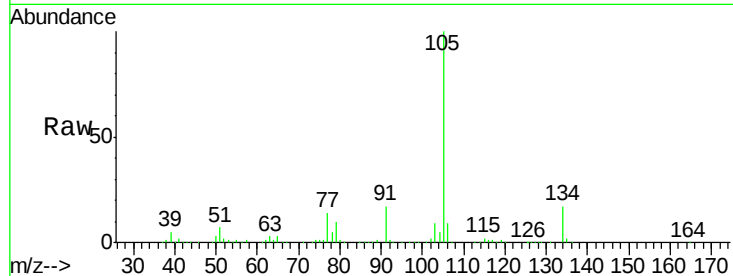
VSTDCCC050

Tot Ion:105 Resp: 2123260

Ion Ratio Lower Upper

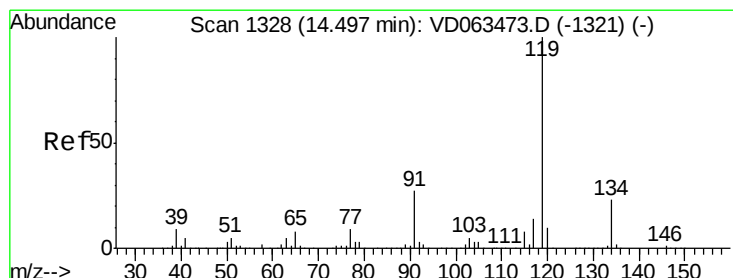
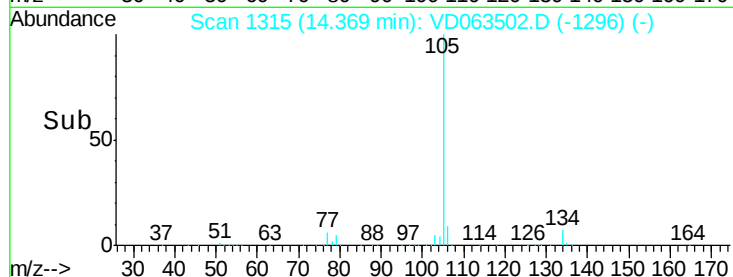
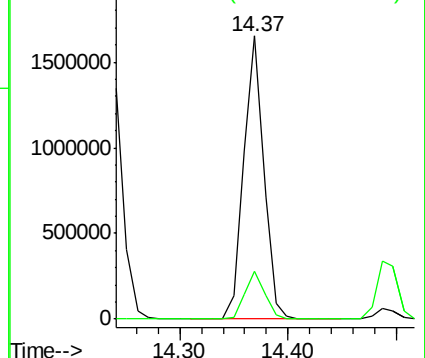
105 100

134 17.0 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: 52.135 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. -0.01 min

Lab File: VD063502.D

Acq: 12 Aug 2019 22:48

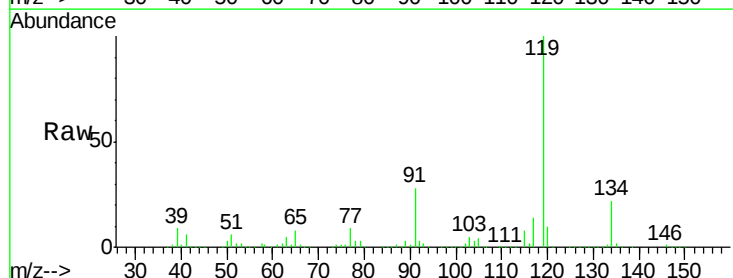
Tgt Ion:119 Resp: 2034313

Ion Ratio Lower Upper

119 100

134 21.9 11.3 33.8

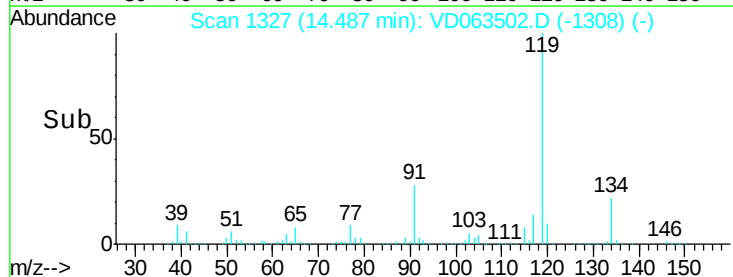
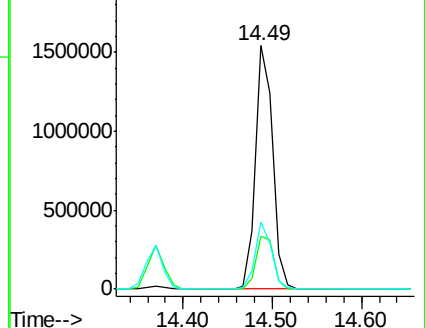
91 27.6 13.5 40.4

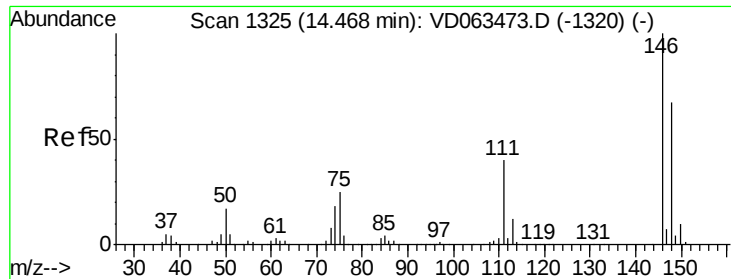


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

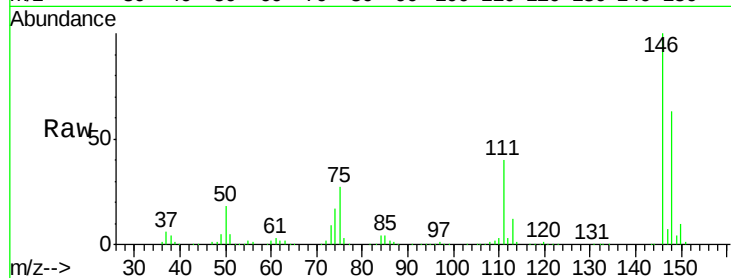




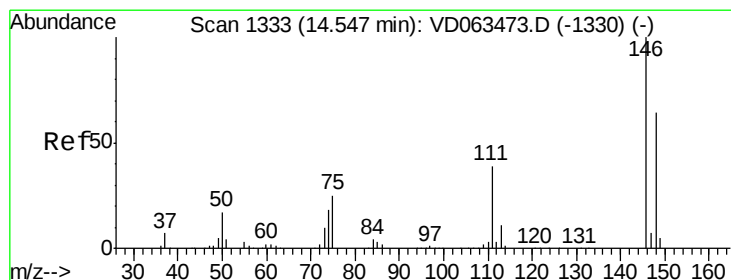
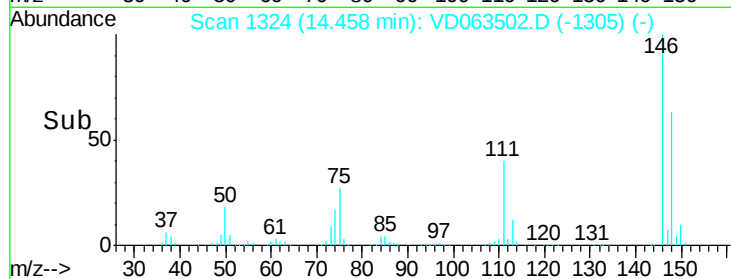
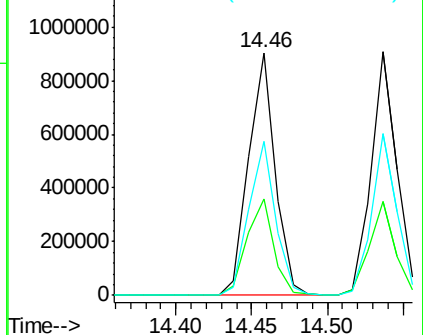
#87
 1,3-Dichlorobenzene
 Concen: 53.819 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. -0.01 min
 Lab File: VD063502.D
 Acq: 12 Aug 2019 22:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 1111196
 Ion Ratio Lower Upper
 146 100
 111 39.6 20.0 60.0
 148 63.4 33.6 100.6

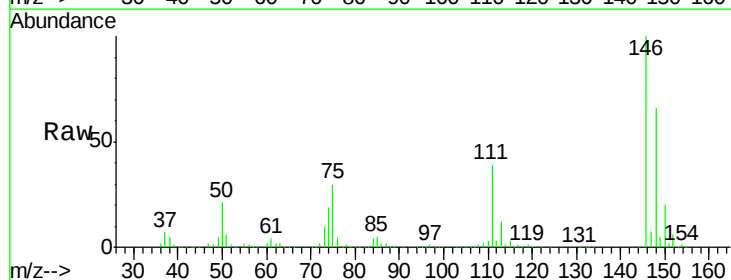


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

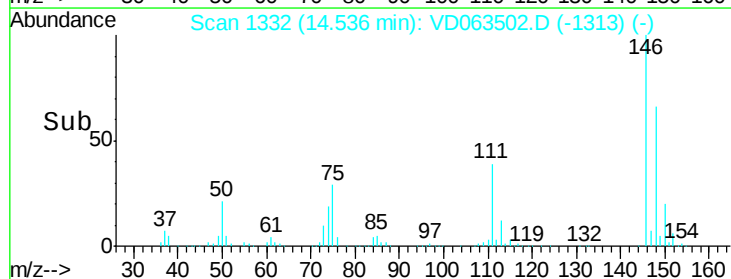
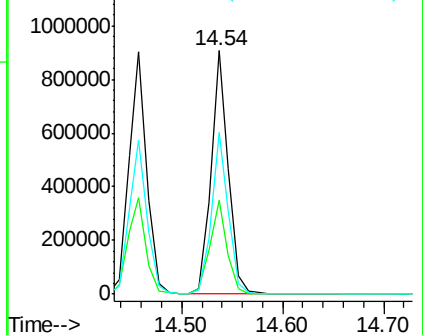


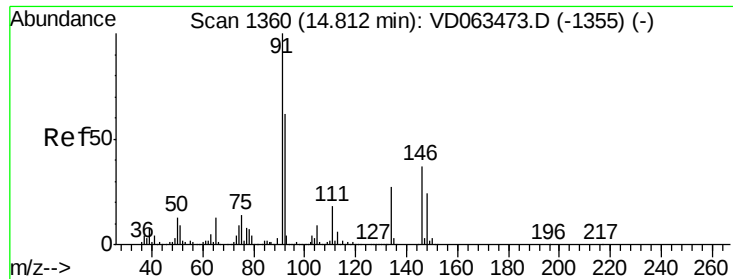
#88
 1,4-Dichlorobenzene
 Concen: 54.317 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.01 min
 Lab File: VD063502.D
 Acq: 12 Aug 2019 22:48

Tgt Ion:146 Resp: 1075985
 Ion Ratio Lower Upper
 146 100
 111 38.7 19.7 59.0
 148 66.5 32.1 96.3



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





#89

n-Butylbenzene

Concen: 53.038 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. -0.01 min

Lab File: VD063502.D

Acq: 12 Aug 2019 22:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

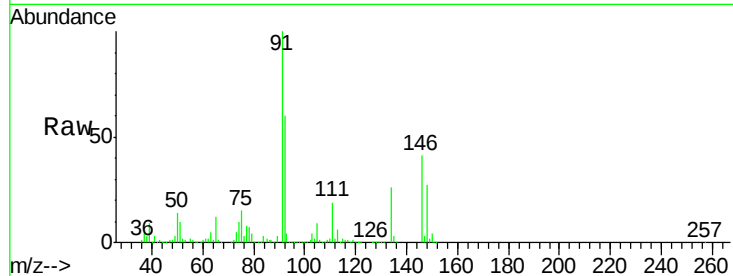
Tot Ion: 91 Resp: 1888841

Ion Ratio Lower Upper

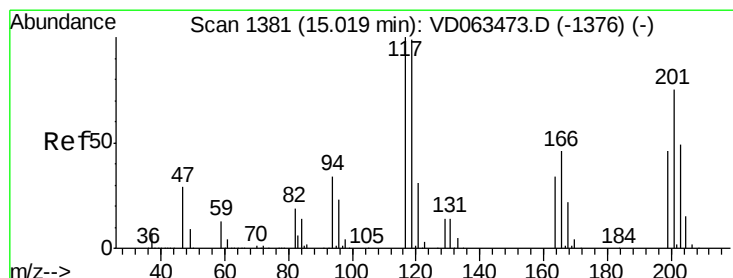
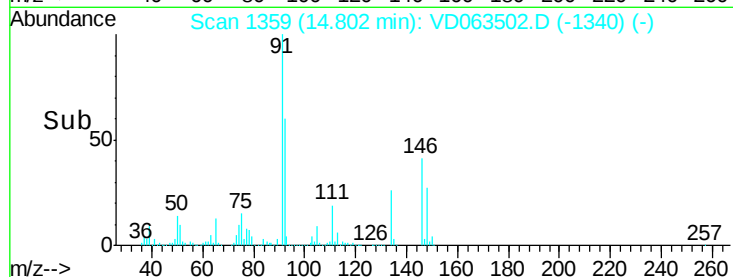
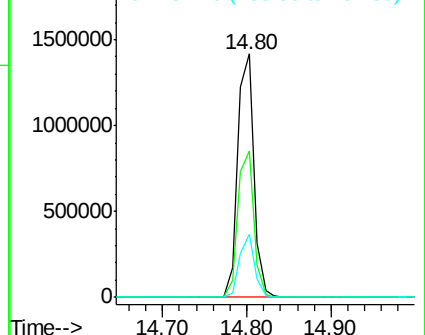
91 100

92 59.9 30.8 92.3

134 25.9 13.4 40.2



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



#90

Hexachloroethane

Concen: 56.754 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. -0.01 min

Lab File: VD063502.D

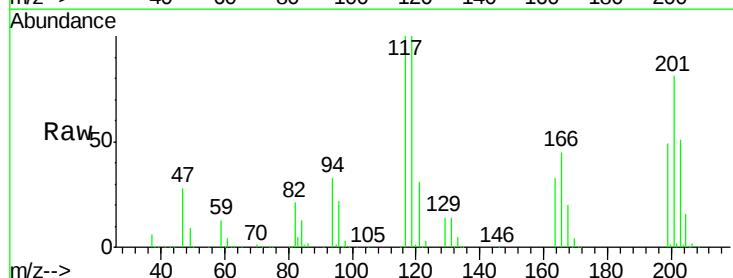
Acq: 12 Aug 2019 22:48

Tgt Ion: 117 Resp: 556612

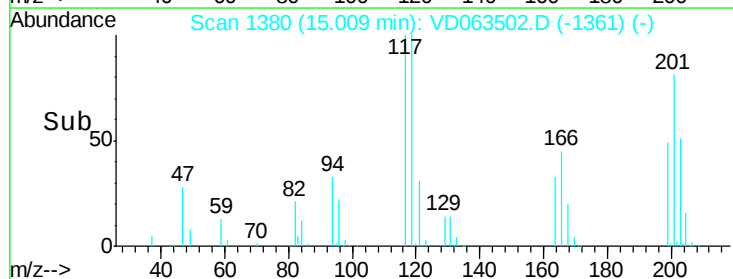
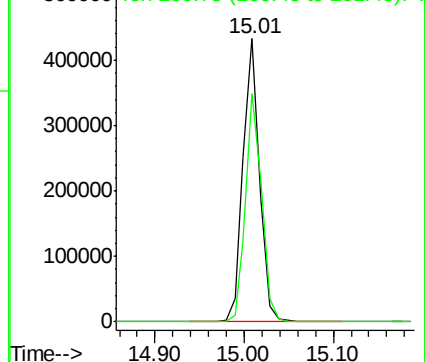
Ion Ratio Lower Upper

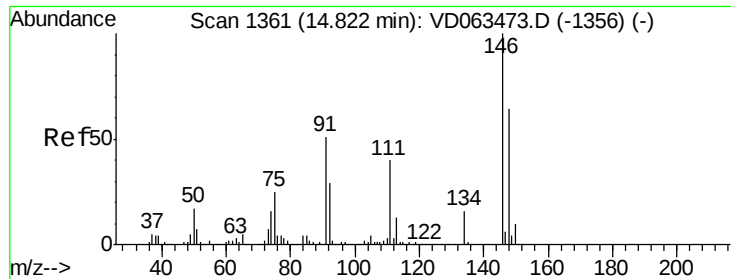
117 100

201 80.6 37.5 112.5



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

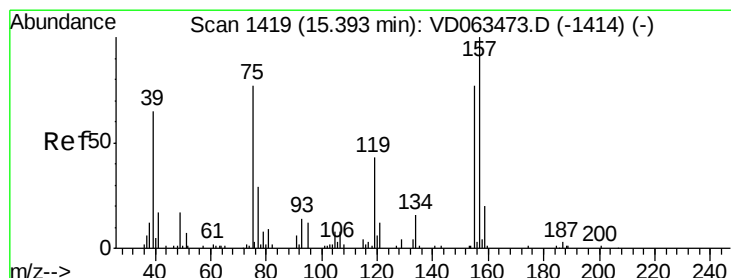
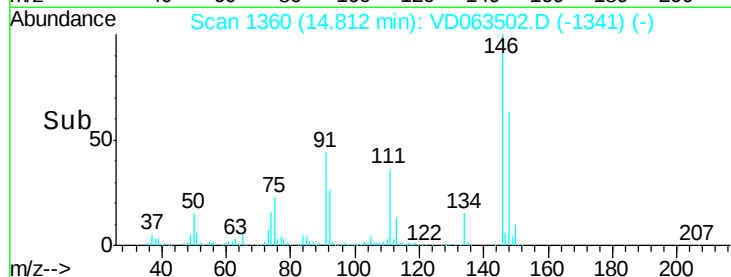
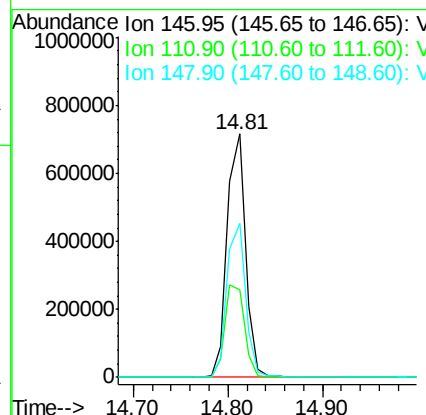
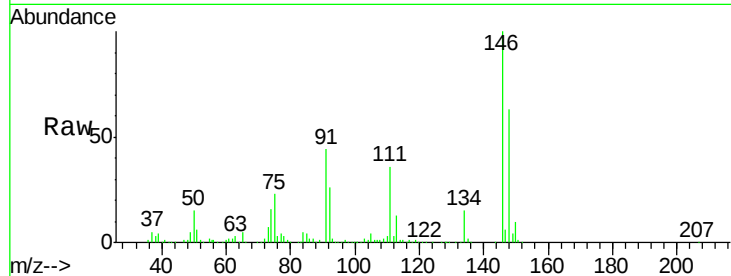




#91
 1,2-Dichlorobenzene
 Concen: 55.042 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. -0.01 min
 Lab File: VD063502.D
 Acq: 12 Aug 2019 22:48

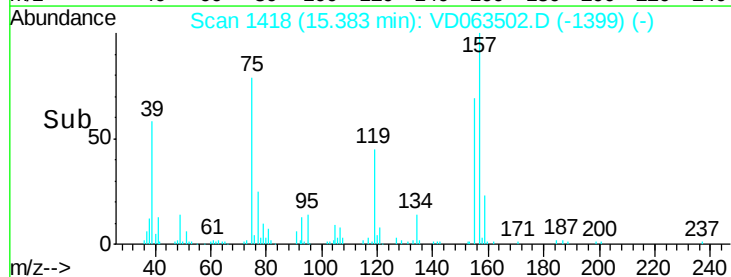
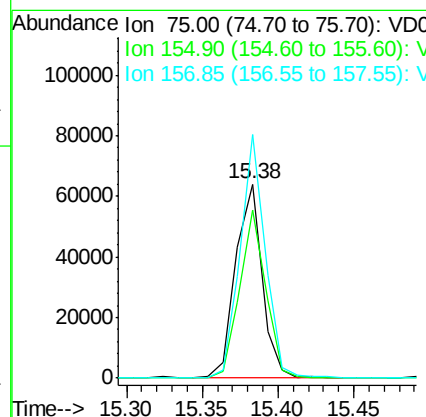
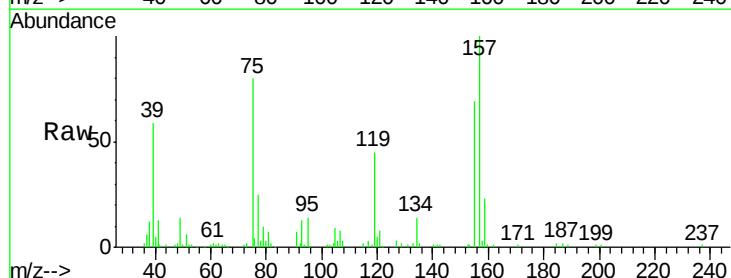
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

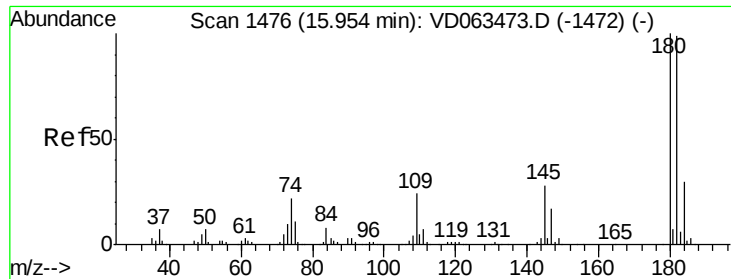
Tot Ion	Ratio	Lower	Upper
146	100		
111	35.8	20.2	60.6
148	63.4	32.1	96.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 59.799 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. -0.01 min
 Lab File: VD063502.D
 Acq: 12 Aug 2019 22:48

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.6	50.1	150.3
157	125.6	65.0	195.1

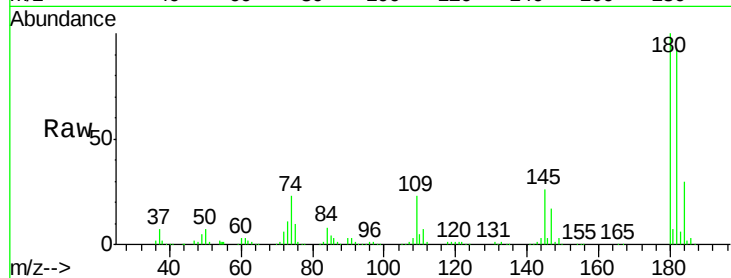




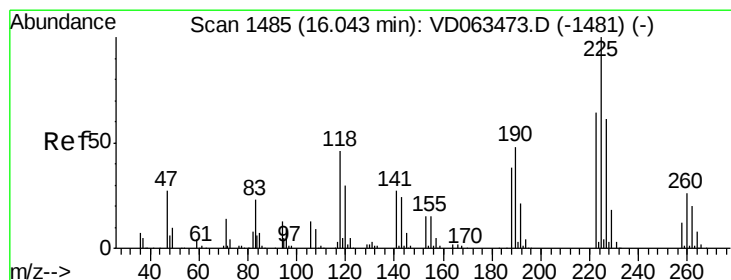
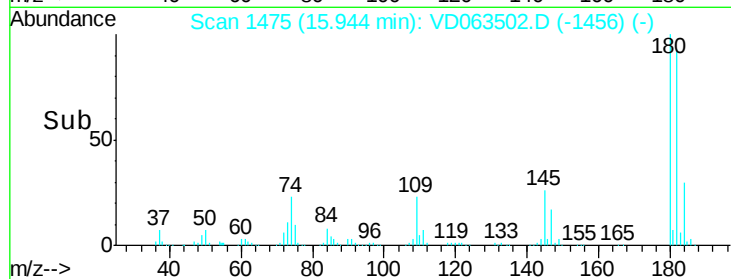
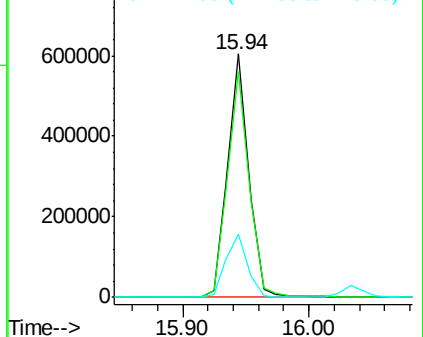
#93
 1,2,4-Trichlorobenzene
 Concen: 54.266 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.01 min
 Lab File: VD063502.D
 Acq: 12 Aug 2019 22:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.9	49.7	149.1
145	25.8	14.1	42.2

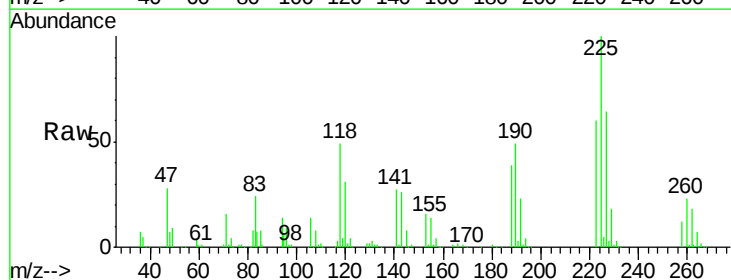


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

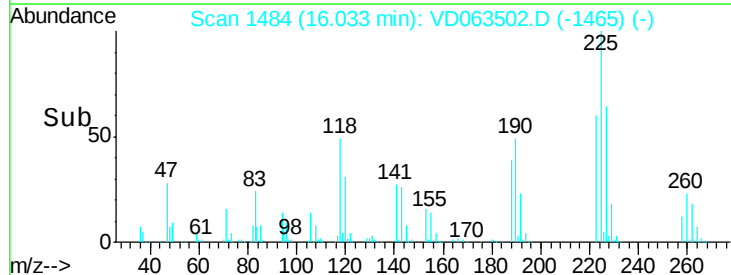
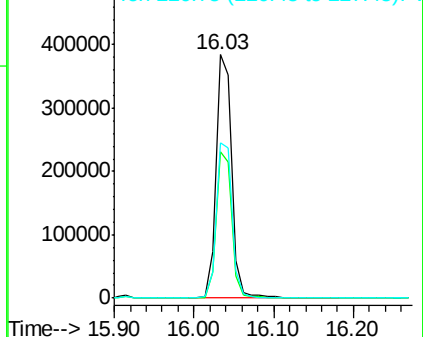


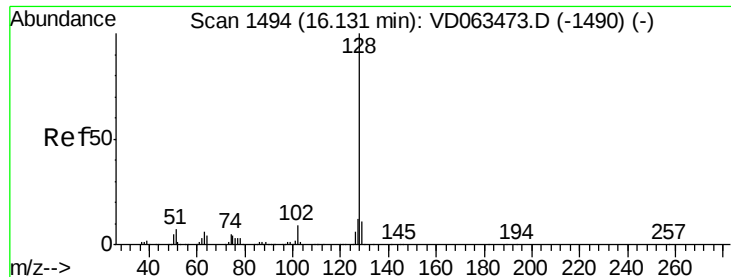
#94
 Hexachlorobutadiene
 Concen: 54.202 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.01 min
 Lab File: VD063502.D
 Acq: 12 Aug 2019 22:48

Tgt Ion	Ratio	Lower	Upper
225	100		
223	59.9	31.9	95.5
227	63.8	30.7	92.1



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

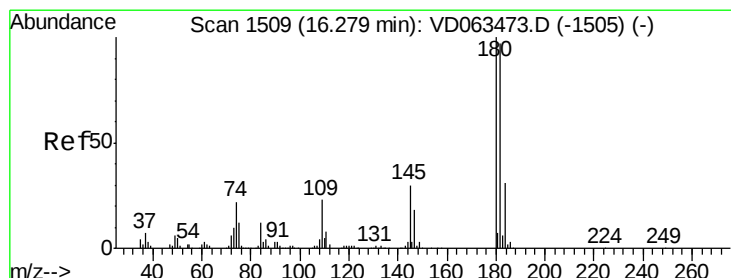
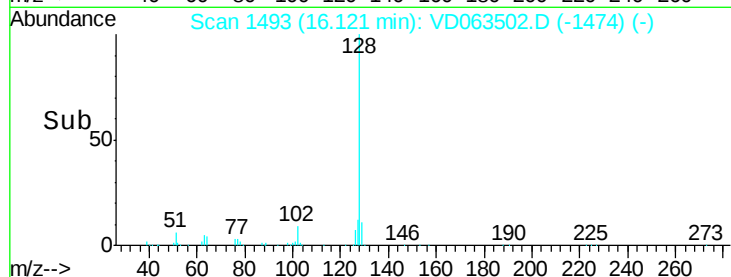
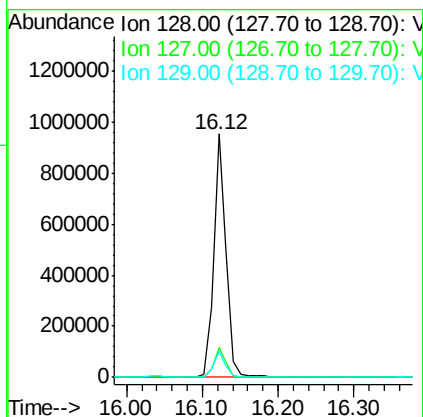
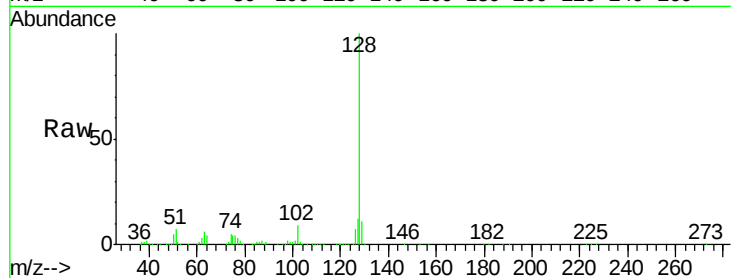




#95
Naphthalene
Concen: 56.517 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VD063502.D
Acq: 12 Aug 2019 22:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 1104038
Ion Ratio Lower Upper
128 100
127 12.3 9.4 14.0
129 10.6 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 56.494 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.01 min
Lab File: VD063502.D
Acq: 12 Aug 2019 22:48

Tgt Ion:180 Resp: 588153
Ion Ratio Lower Upper
180 100
182 98.6 48.4 145.2
145 30.4 14.9 44.9

