

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070219\
 Data File : VD063014.D
 Acq On : 2 Jul 2019 20:39
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jul 03 00:59:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	802058	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1074648	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.38	117	965864	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	517958	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.46	65	447237	51.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.60%	
35) Dibromofluoromethane	6.93	113	462037	50.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.98%	
50) Toluene-d8	10.42	98	1061092	53.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.60%	
62) 4-Bromofluorobenzene	13.56	95	464212	51.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	480097	46.257	ug/l	93
3) Chloromethane	1.75	50	371445	47.587	ug/l	93
4) Vinyl Chloride	1.84	62	388363	50.181	ug/l	98
5) Bromomethane	2.15	94	184802	50.989	ug/l	95
6) Chloroethane	2.27	64	196237	56.007	ug/l	97
7) Trichlorofluoromethane	2.53	101	856918	54.711	ug/l	98
8) Diethyl Ether	2.88	74	114478	57.525	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.15	101	462567	54.514	ug/l	89
10) Methyl Iodide	3.30	142	621489	55.517	ug/l	99
11) Tert butyl alcohol	4.10	59	118688	298.910	ug/l #	94
12) 1,1-Dichloroethene	3.12	96	340990	53.569	ug/l	92
13) Acrolein	3.03	56	74625	184.095	ug/l	92
14) Allyl chloride	3.62	41	527573	56.092	ug/l	98
15) Acrylonitrile	4.20	53	275626	295.417	ug/l #	92
16) Acetone	3.23	43	450640	255.030	ug/l	95
17) Carbon Disulfide	3.38	76	1012847	49.787	ug/l	96
18) Methyl Acetate	3.64	43	152492	57.942	ug/l	97
19) Methyl tert-butyl Ether	4.25	73	804010	58.347	ug/l	99
20) Methylene Chloride	3.81	84	378551	56.934	ug/l	98
21) trans-1,2-Dichloroethene	4.22	96	373579	55.119	ug/l	92
22) Diisopropyl ether	5.13	45	1141629	59.685	ug/l	97
23) Vinyl Acetate	5.07	43	3531062	295.017	ug/l	98
24) 1,1-Dichloroethane	4.99	63	733229	58.877	ug/l	97
25) 2-Butanone	6.08	43	487138	298.752	ug/l #	91
26) 2,2-Dichloropropane	6.03	77	727262	55.095	ug/l	98
27) cis-1,2-Dichloroethene	6.05	96	427905	59.702	ug/l	96
28) Bromochloromethane	6.45	49	237728	54.200	ug/l	94
29) Tetrahydrofuran	6.47	42	234856	304.419	ug/l	97
30) Chloroform	6.67	83	897260	59.243	ug/l	100
31) Cyclohexane	6.96	56	437133	53.393	ug/l	98
32) 1,1,1-Trichloroethane	6.87	97	884436	56.065	ug/l	95
36) 1,1-Dichloropropene	7.16	75	577910	56.808	ug/l	93
37) Ethyl Acetate	6.19	43	245748	57.675	ug/l #	94
38) Carbon Tetrachloride	7.12	117	964333	63.029	ug/l	98

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	466755	52.124	ug/l	96
40) Benzene	7.46	78	1220308	59.759	ug/l	96
41) Methacrylonitrile	6.46	41	311803	58.119	ug/l #	93
42) 1,2-Dichloroethane	7.58	62	644160	57.825	ug/l	100
43) Isopropyl Acetate	9.24	43	339151	63.590	ug/l	97
44) Trichloroethene	8.55	130	475993	59.457	ug/l	95
45) 1,2-Dichloropropane	8.95	63	295268	58.150	ug/l	97
46) Dibromomethane	9.07	93	257430	59.019	ug/l	96
47) Bromodichloromethane	9.38	83	705076	62.242	ug/l	98
48) Methyl methacrylate	9.13	41	222823	58.791	ug/l	93
49) 1,4-Dioxane	9.09	88	39134	1241.085	ug/l	97
51) 4-Methyl-2-Pentanone	10.31	43	1151246	304.454	ug/l	98
52) Toluene	10.51	92	788346	57.432	ug/l	95
53) t-1,3-Dichloropropene	10.92	75	555759	59.941	ug/l	93
54) cis-1,3-Dichloropropene	10.04	75	605858	60.119	ug/l	95
55) 1,1,2-Trichloroethane	11.20	97	288076	61.085	ug/l	92
56) Ethyl methacrylate	11.05	69	312599	62.025	ug/l	97
57) 1,3-Dichloropropane	11.41	76	411764	57.024	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.86	63	788944	304.917	ug/l	95
59) 2-Hexanone	11.54	43	803033	298.189	ug/l	98
60) Dibromochloromethane	11.70	129	541483	61.643	ug/l	99
61) 1,2-Dibromoethane	11.81	107	317308	56.970	ug/l	94
64) Tetrachloroethene	11.26	164	458204	57.641	ug/l	99
65) Chlorobenzene	12.40	112	1014527	56.597	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.52	131	474283	56.577	ug/l	94
67) Ethyl Benzene	12.53	91	1749137	54.350	ug/l	100
68) m/p-Xylenes	12.67	106	1256062	112.058	ug/l	99
69) o-Xylene	13.05	106	591593	57.735	ug/l	97
70) Styrene	13.07	104	1006378	55.916	ug/l	95
71) Bromoform	13.24	173	346783	60.378	ug/l	97
73) Isopropylbenzene	13.41	105	1845573	55.572	ug/l	100
74) N-amyl acetate	13.27	43	478124	59.283	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.70	83	320574	59.244	ug/l	97
76) 1,2,3-Trichloropropane	13.73	75	369094	61.727	ug/l	99
77) Bromobenzene	13.67	156	537527	60.175	ug/l	97
78) n-propylbenzene	13.77	91	2251828	58.256	ug/l	94
79) 2-Chlorotoluene	13.84	91	1280448	57.965	ug/l	97
80) 1,3,5-Trimethylbenzene	13.94	105	1558194	55.858	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.48	75	95544	60.968	ug/l	93
82) 4-Chlorotoluene	13.95	91	1484321	55.813	ug/l	98
83) tert-Butylbenzene	14.20	119	1755264	56.451	ug/l	98
84) 1,2,4-Trimethylbenzene	14.25	105	1561041	54.598	ug/l	96
85) sec-Butylbenzene	14.37	105	1953668	57.810	ug/l	99
86) p-Isopropyltoluene	14.49	119	1697595	54.908	ug/l	98
87) 1,3-Dichlorobenzene	14.46	146	966157	60.338	ug/l	95
88) 1,4-Dichlorobenzene	14.54	146	887083	55.157	ug/l	98
89) n-Butylbenzene	14.80	91	1697841	58.674	ug/l	99
90) Hexachloroethane	15.01	117	485549	58.411	ug/l	97
91) 1,2-Dichlorobenzene	14.82	146	857886	62.620	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.39	75	61147	57.897	ug/l #	39

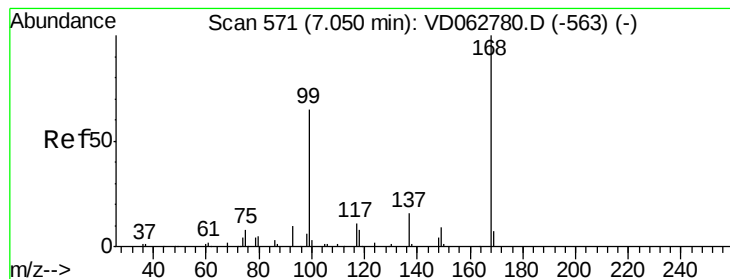
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070219\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	634145	59.256	ug/l	99
94) Hexachlorobutadiene	16.04	225	479900	58.698	ug/l	97
95) Naphthalene	16.13	128	904761	60.318	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	495765	60.293	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.01 min

Lab File: VD063014.D

Acq: 2 Jul 2019 20:39

Instrument :

MSVOA_D

ClientSampleId :

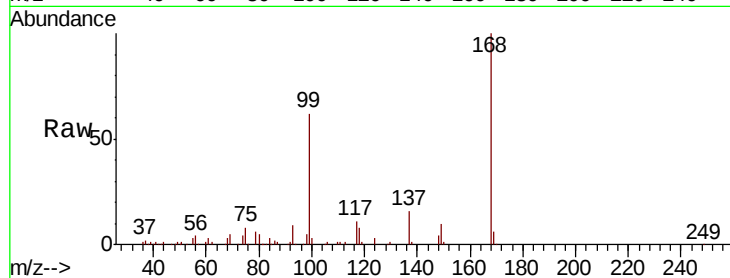
VSTDCCC050EC

Tot Ion:168 Resp: 802058

Ion Ratio Lower Upper

168 100

99 61.8 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

250000

200000

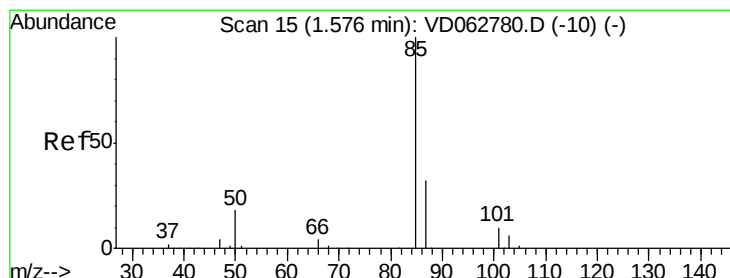
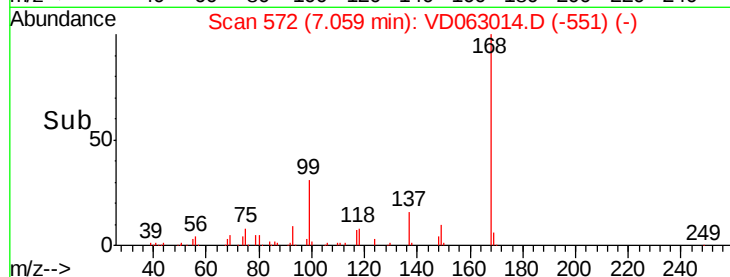
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 46.257 ug/l

RT: 1.57 min Scan# 14

Delta R.T. -0.01 min

Lab File: VD063014.D

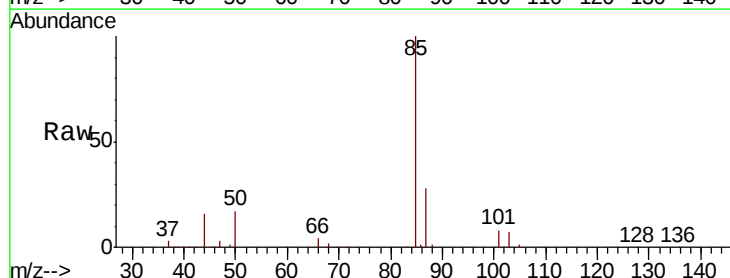
Acq: 2 Jul 2019 20:39

Tgt Ion: 85 Resp: 480097

Ion Ratio Lower Upper

85 100

87 27.8 15.9 47.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.57

200000

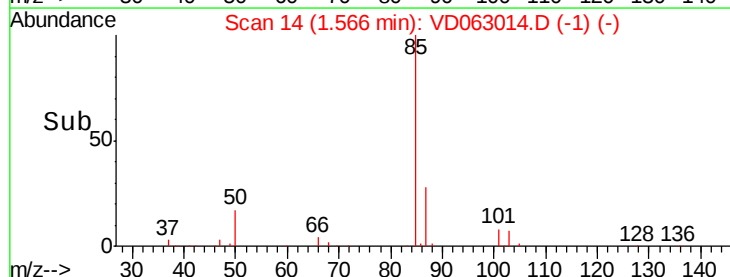
150000

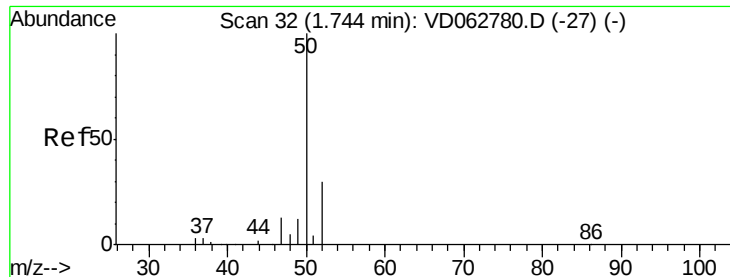
100000

50000

0

Time-->





#3

Chloromethane

Concen: 47.587 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.01 min

Lab File: VD063014.D

Acq: 2 Jul 2019 20:39

Instrument :

MSVOA_D

ClientSampleId :

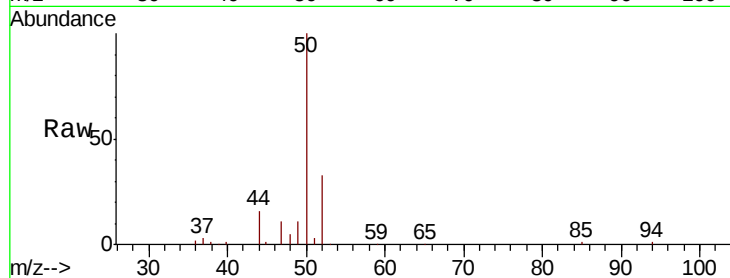
VSTDCCC050EC

Tot Ion: 50 Resp: 371445

Ion Ratio Lower Upper

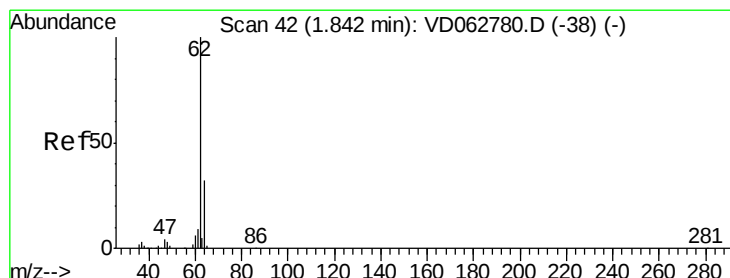
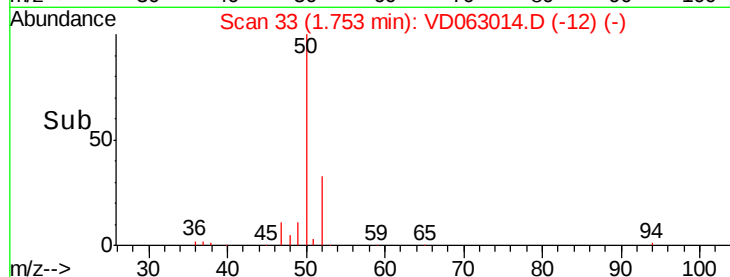
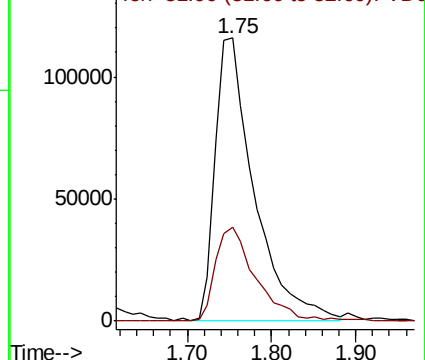
50 100

52 33.0 23.6 35.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 50.181 ug/l

RT: 1.84 min Scan# 42

Delta R.T. -0.00 min

Lab File: VD063014.D

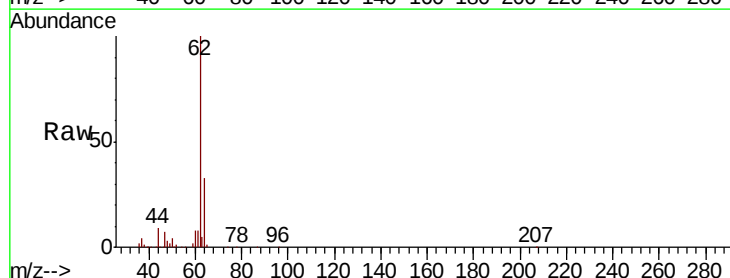
Acq: 2 Jul 2019 20:39

Tgt Ion: 62 Resp: 388363

Ion Ratio Lower Upper

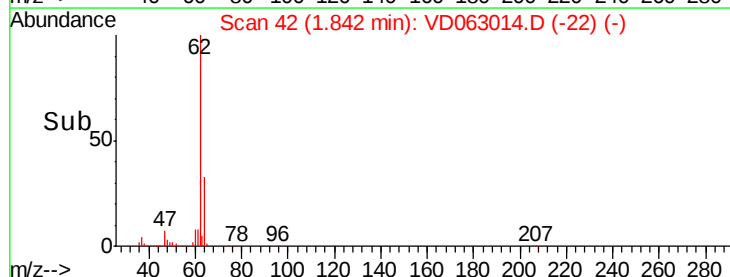
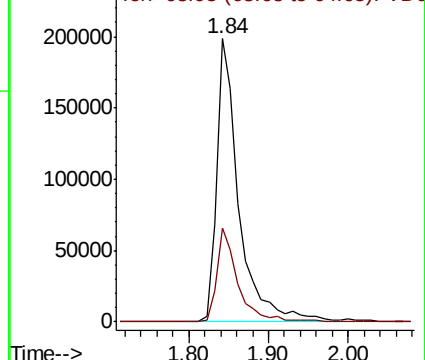
62 100

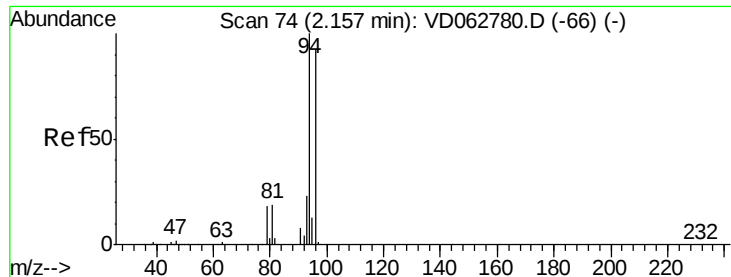
64 33.1 25.6 38.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 50.989 ug/l

RT: 2.15 min Scan# 73

Delta R.T. -0.01 min

Lab File: VD063014.D

Acq: 2 Jul 2019 20:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

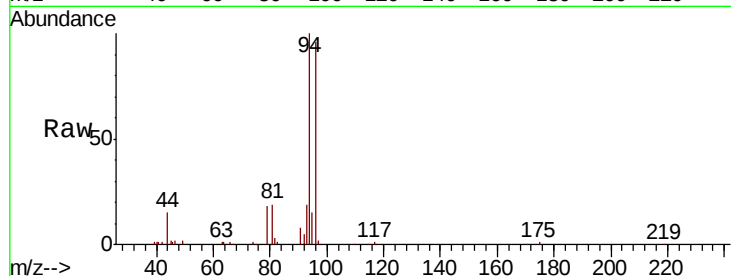
Tot Ion: 94 Resp: 184802

Ion Ratio Lower Upper

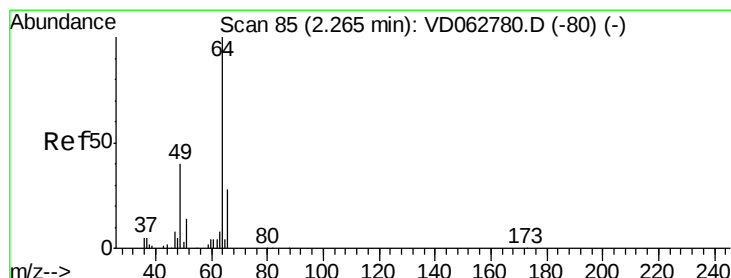
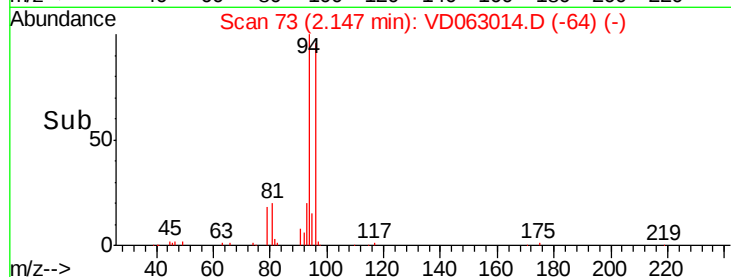
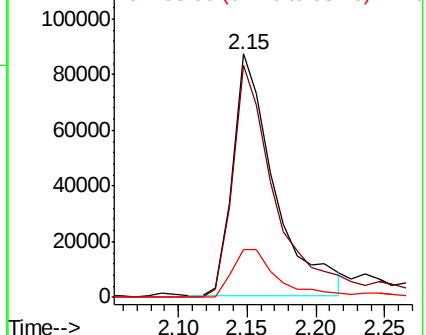
94 100

96 95.6 73.4 110.2

93 19.4 18.2 27.4



Abundance Ion 94.00 (93.70 to 94.70): VDC
Ion 96.00 (95.70 to 96.70): VDC
Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 56.007 ug/l

RT: 2.27 min Scan# 85

Delta R.T. -0.00 min

Lab File: VD063014.D

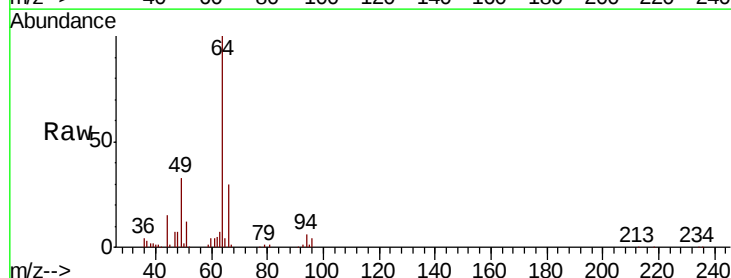
Acq: 2 Jul 2019 20:39

Tgt Ion: 64 Resp: 196237

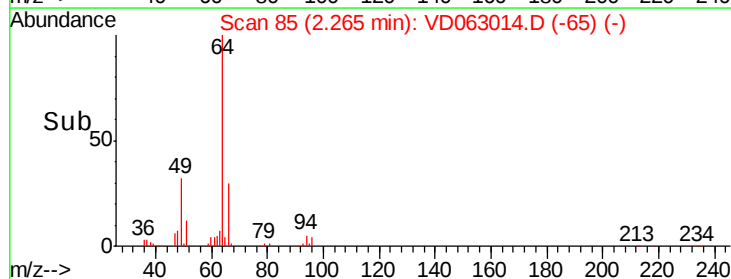
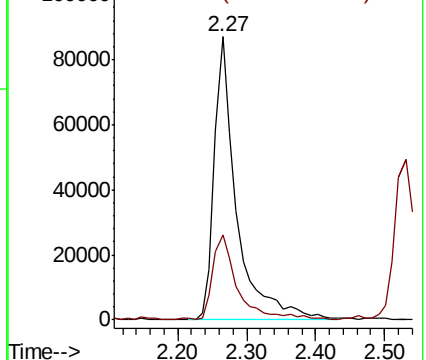
Ion Ratio Lower Upper

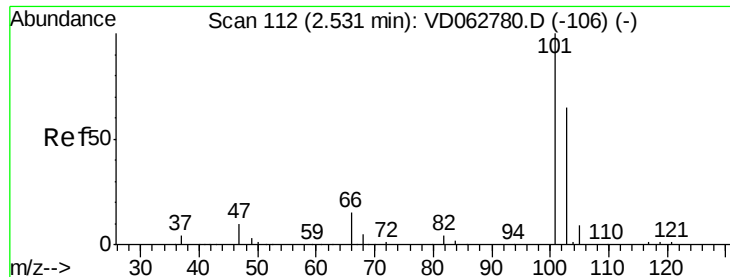
64 100

66 30.2 23.0 34.4



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



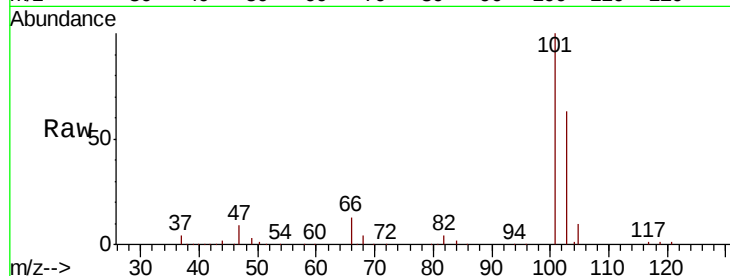


#7

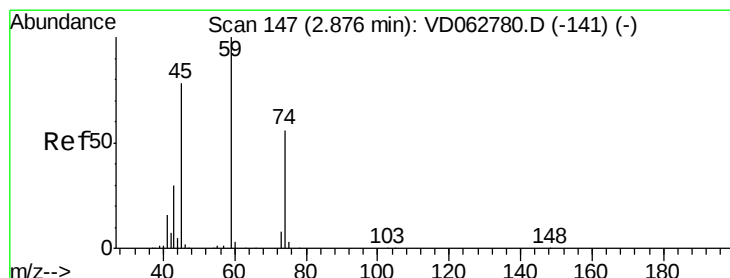
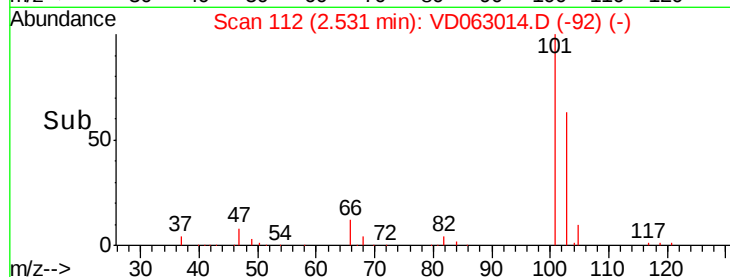
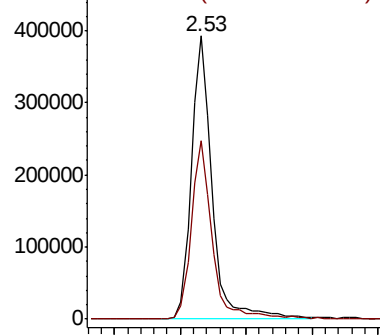
Trichlorofluoromethane
 Concen: 54.711 ug/l
 RT: 2.53 min Scan# 112
 Delta R.T. -0.00 min
 Lab File: VD063014.D
 Acq: 2 Jul 2019 20:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:101 Resp: 856918
 Ion Ratio Lower Upper
 101 100
 103 63.1 51.8 77.8



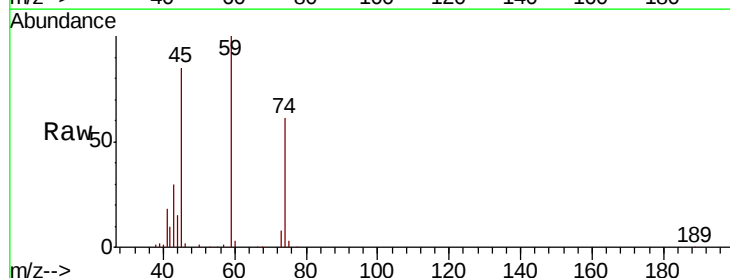
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



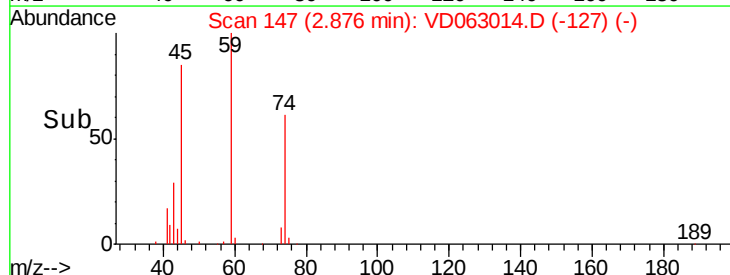
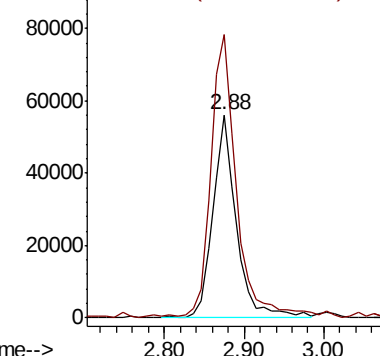
#8

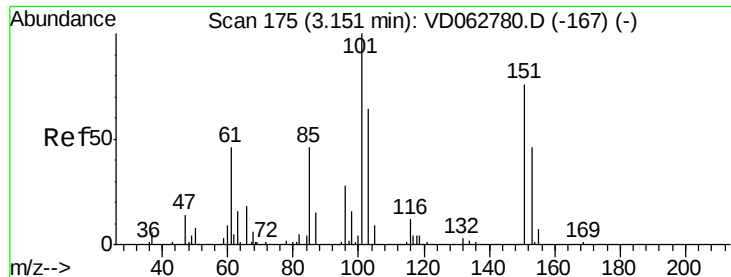
Diethyl Ether
 Concen: 57.525 ug/l
 RT: 2.88 min Scan# 147
 Delta R.T. -0.00 min
 Lab File: VD063014.D
 Acq: 2 Jul 2019 20:39

Tgt Ion: 74 Resp: 114478
 Ion Ratio Lower Upper
 74 100
 45 139.6 70.2 210.6



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.514 ug/l

RT: 3.15 min Scan# 175

Delta R.T. -0.00 min

Lab File: VD063014.D

Acq: 2 Jul 2019 20:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

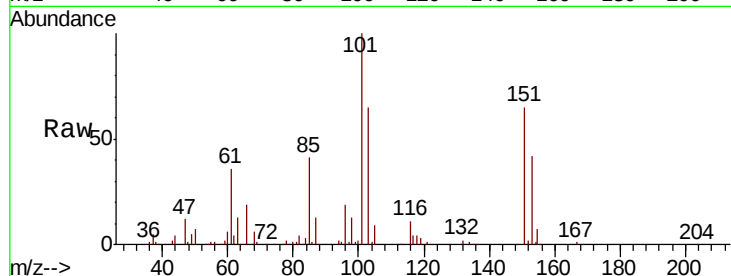
Tot Ion:101 Resp: 462567

Ion Ratio Lower Upper

101 100

85 40.8 37.0 55.4

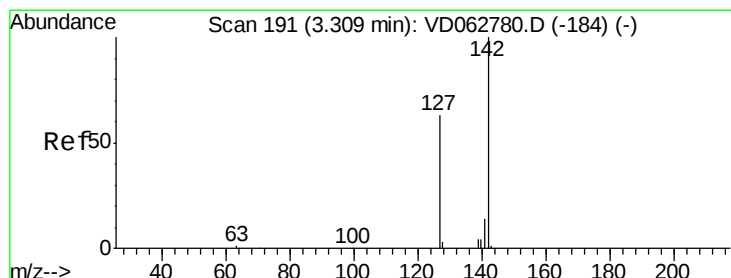
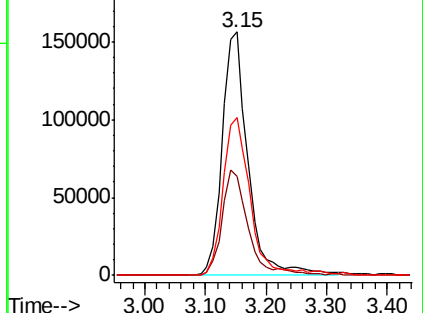
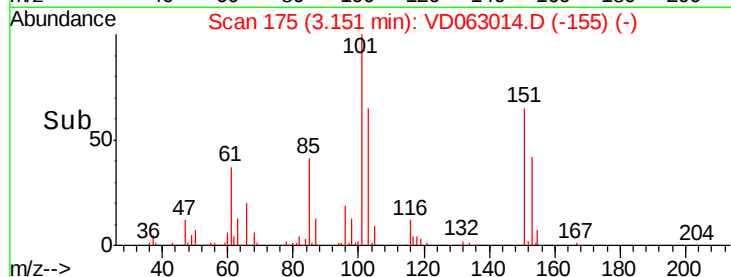
151 65.0 60.5 90.7



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 55.517 ug/l

RT: 3.30 min Scan# 190

Delta R.T. -0.01 min

Lab File: VD063014.D

Acq: 2 Jul 2019 20:39

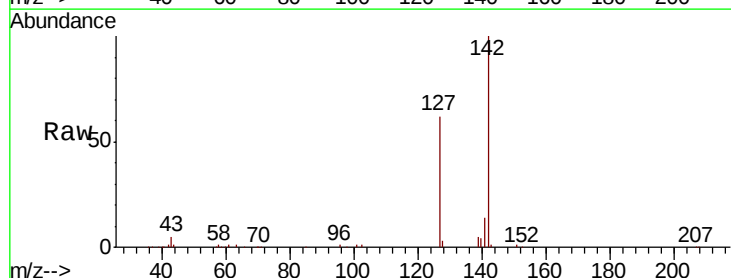
Tgt Ion:142 Resp: 621489

Ion Ratio Lower Upper

142 100

127 61.7 50.1 75.1

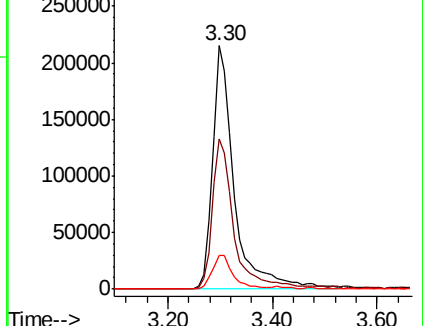
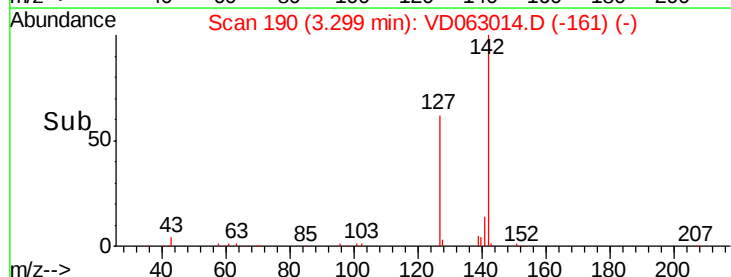
141 14.1 11.0 16.4



Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



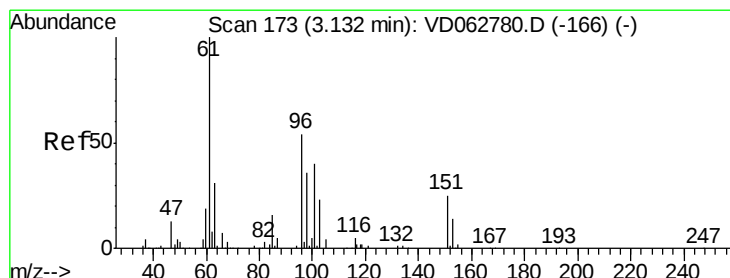
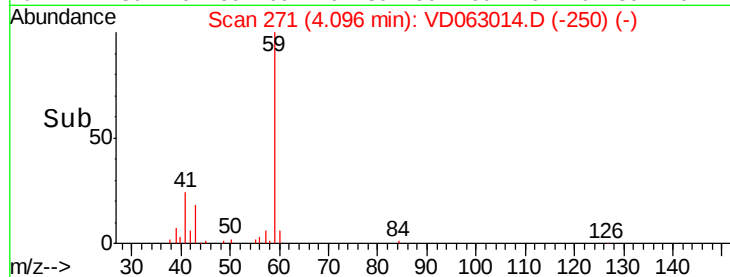
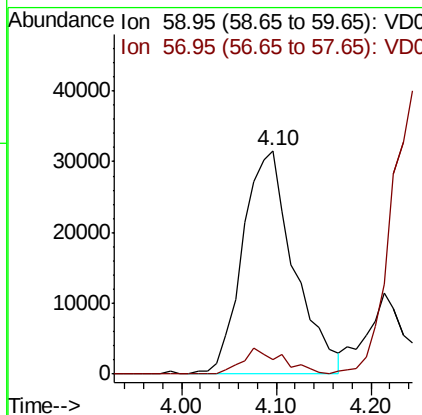
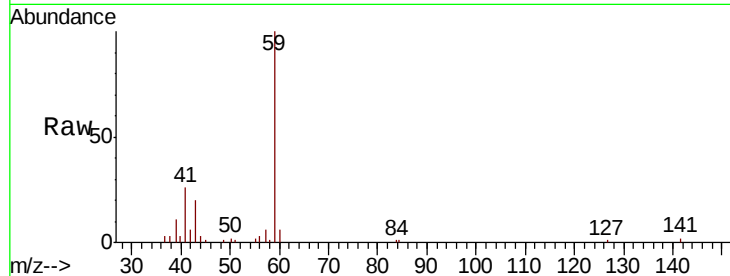


#11

Tert butyl alcohol
 Concen: 298.910 ug/l
 RT: 4.10 min Scan# 271
 Delta R.T. 0.01 min
 Lab File: VD063014.D
 Acq: 2 Jul 2019 20:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

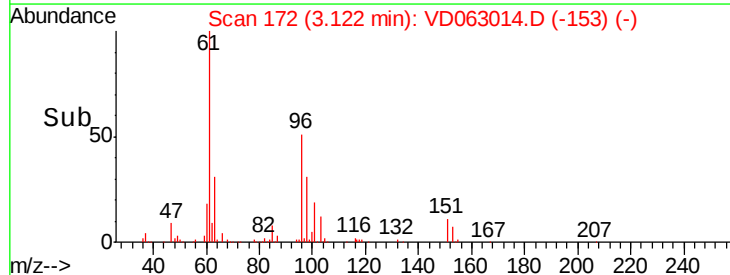
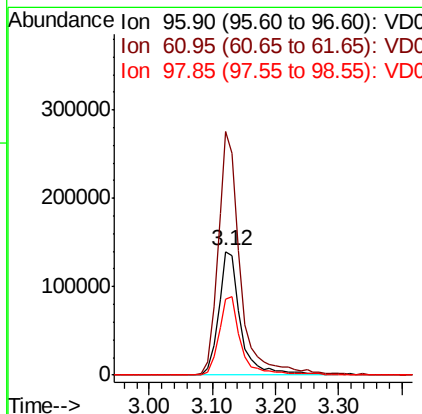
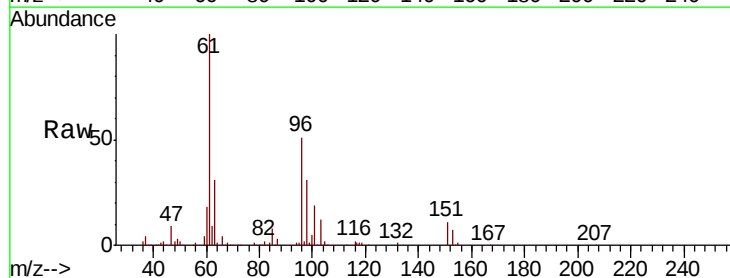
Tot Ion: 59 Resp: 118688
 Ion Ratio Lower Upper
 59 100
 57 6.3 6.6 10.0#

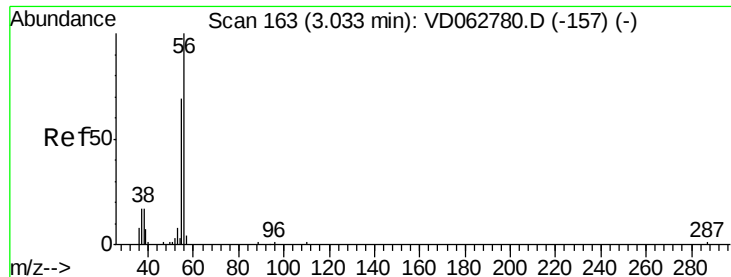


#12

1,1-Dichloroethene
 Concen: 53.569 ug/l
 RT: 3.12 min Scan# 172
 Delta R.T. -0.01 min
 Lab File: VD063014.D
 Acq: 2 Jul 2019 20:39

Tgt Ion: 96 Resp: 340990
 Ion Ratio Lower Upper
 96 100
 61 196.9 147.1 220.7
 98 61.5 52.6 79.0





#13

Acrolein

Concen: 184.095 ug/l

RT: 3.03 min Scan# 163

Delta R.T. -0.00 min

Lab File: VD063014.D

Acq: 2 Jul 2019 20:39

Instrument :

MSVOA_D

ClientSampleId :

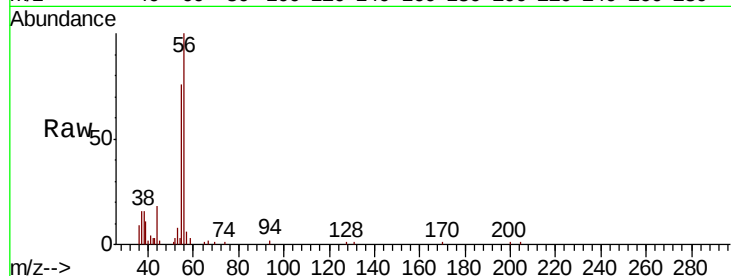
VSTDCCC050EC

Tot Ion: 56 Resp: 74625

Ion Ratio Lower Upper

56 100

55 75.8 55.4 83.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

30000

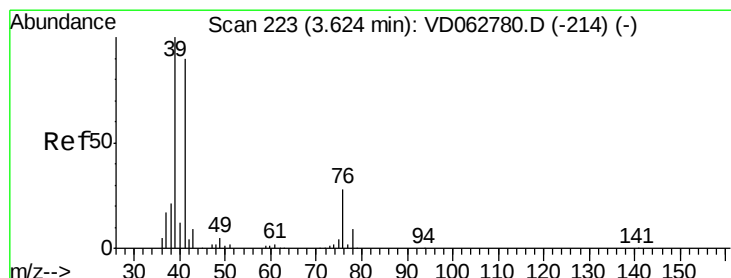
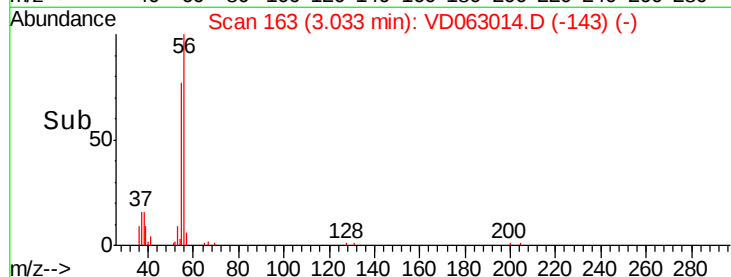
20000

10000

0

Time--> 2.90 3.00 3.10

3.03



#14

Allyl chloride

Concen: 56.092 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.00 min

Lab File: VD063014.D

Acq: 2 Jul 2019 20:39

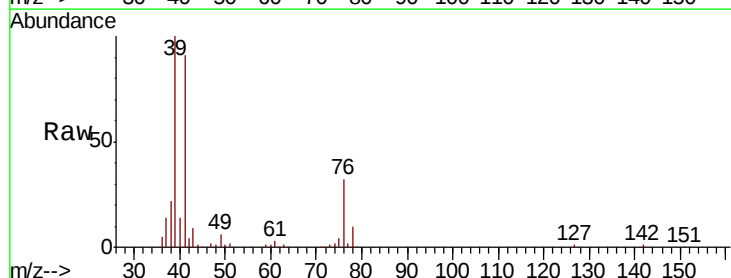
Tgt Ion: 41 Resp: 527573

Ion Ratio Lower Upper

41 100

39 109.7 88.8 133.2

76 35.5 26.7 40.1



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

300000

250000

200000

150000

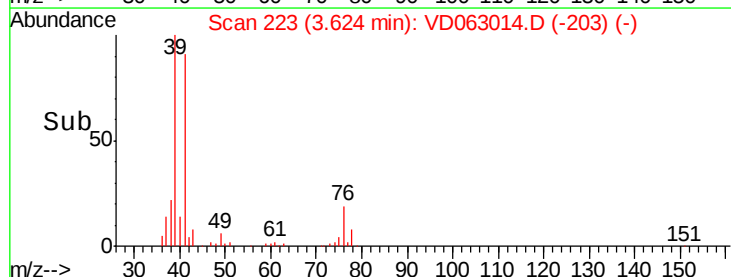
100000

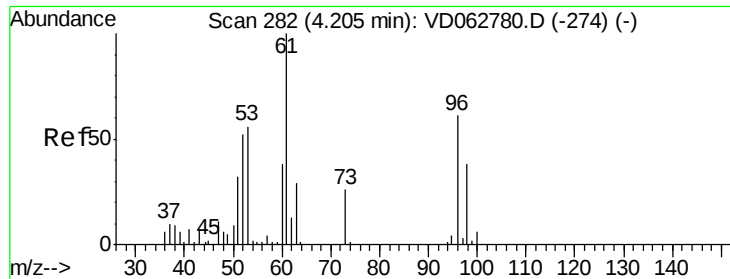
50000

0

Time--> 3.50 3.60 3.70 3.80

3.62





#15

Acrylonitrile

Concen: 295.417 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.00 min

Lab File: VD063014.D

Acq: 2 Jul 2019 20:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

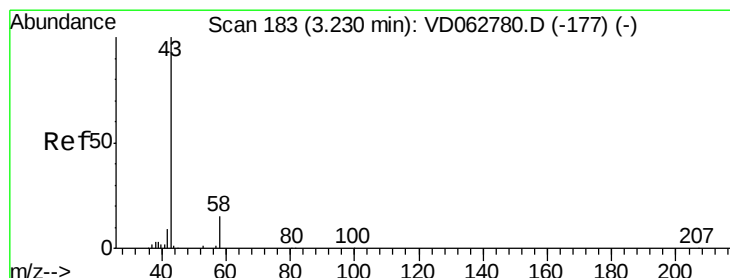
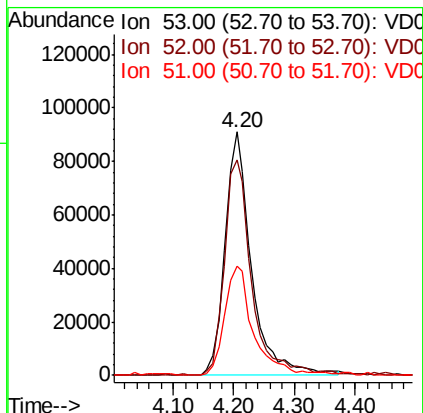
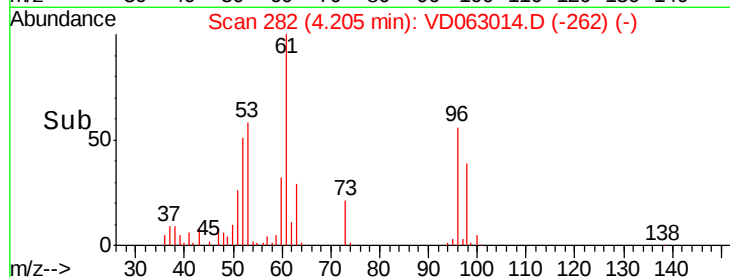
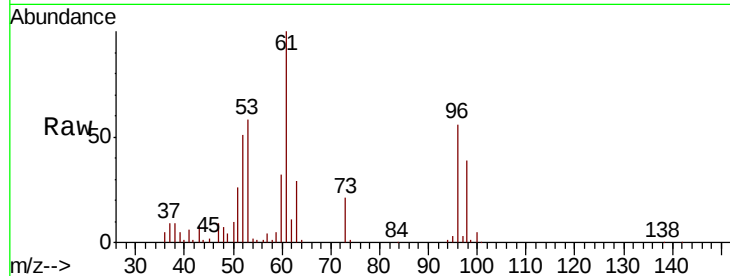
Tot Ion: 53 Resp: 275626

Ion Ratio Lower Upper

53 100

52 88.6 73.3 109.9

51 44.7 44.8 67.2#



#16

Acetone

Concen: 255.030 ug/l

RT: 3.23 min Scan# 183

Delta R.T. -0.00 min

Lab File: VD063014.D

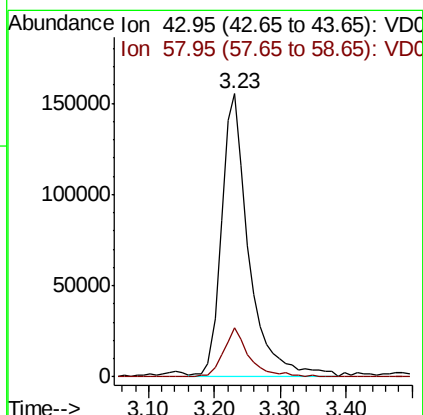
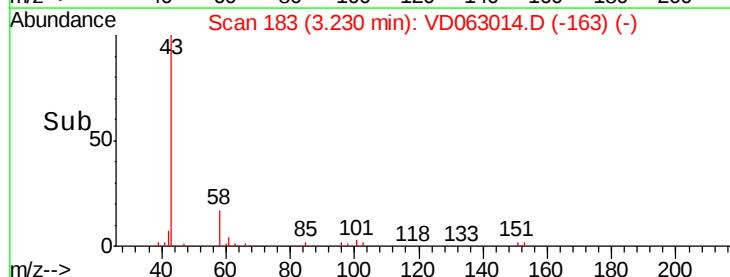
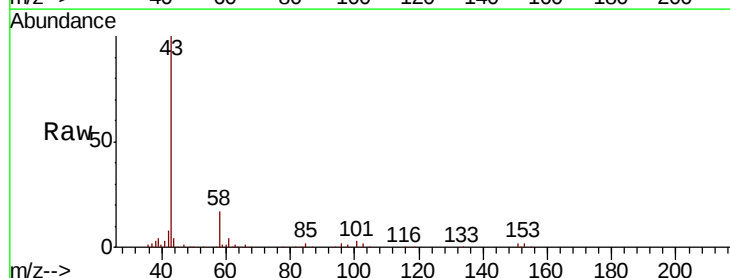
Acq: 2 Jul 2019 20:39

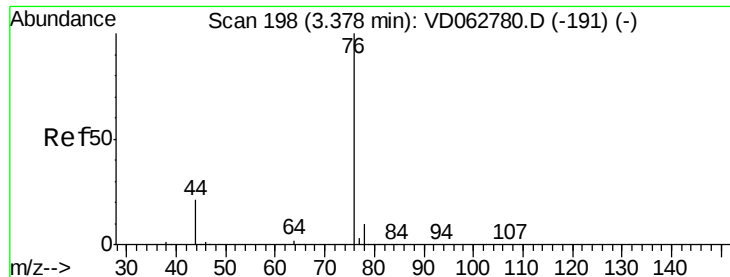
Tgt Ion: 43 Resp: 450640

Ion Ratio Lower Upper

43 100

58 17.2 11.9 17.9

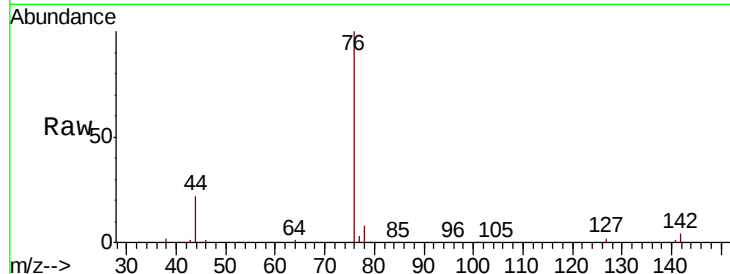




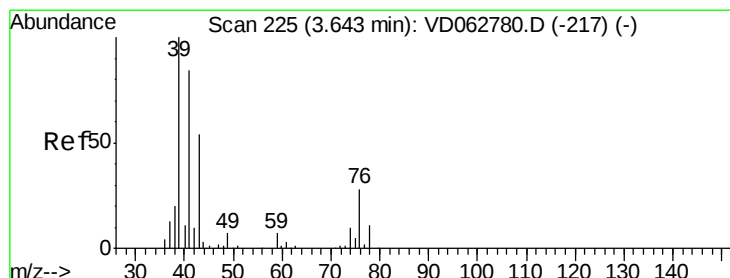
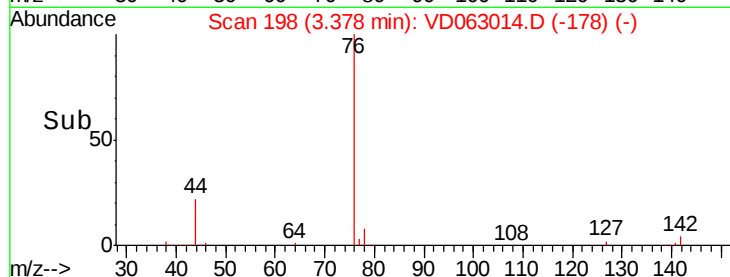
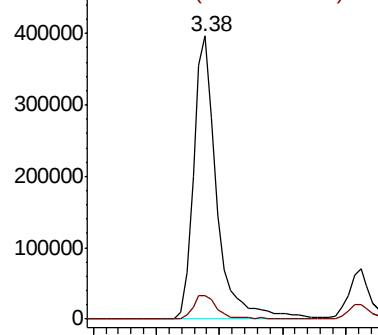
#17
Carbon Disulfide
Concen: 49.787 ug/l
RT: 3.38 min Scan# 198
Delta R.T. -0.00 min
Lab File: VD063014.D
Acq: 2 Jul 2019 20:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 76 Resp: 1012847
Ion Ratio Lower Upper
76 100
78 8.5 8.0 12.0

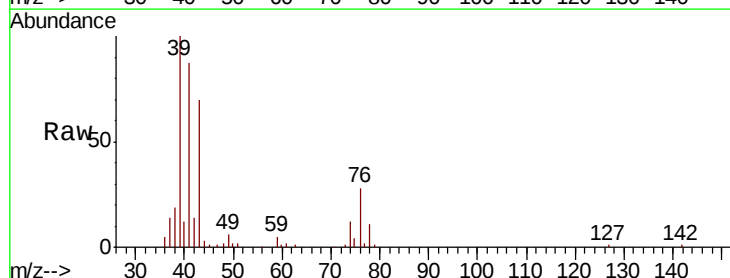


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

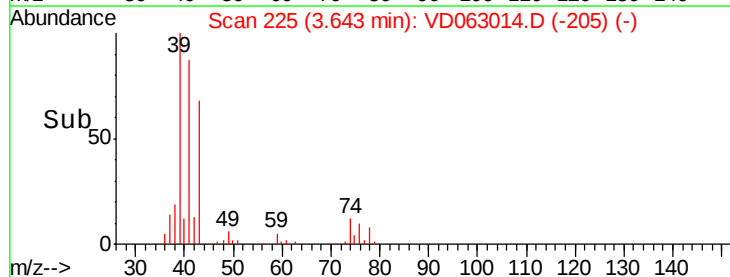
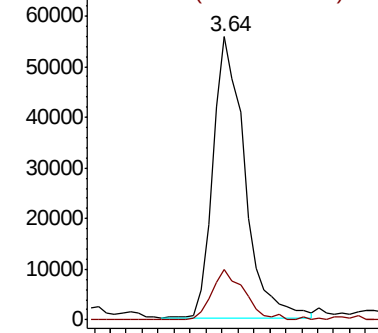


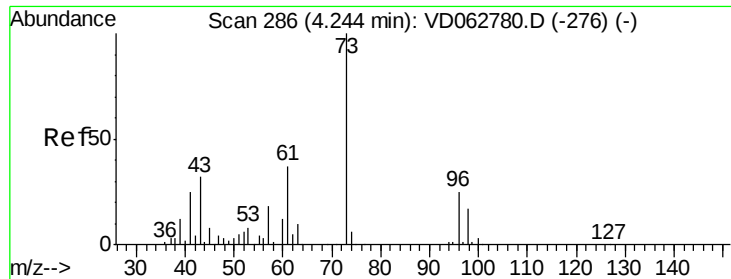
#18
Methyl Acetate
Concen: 57.942 ug/l
RT: 3.64 min Scan# 225
Delta R.T. -0.00 min
Lab File: VD063014.D
Acq: 2 Jul 2019 20:39

Tgt Ion: 43 Resp: 152492
Ion Ratio Lower Upper
43 100
74 17.6 15.2 22.8



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



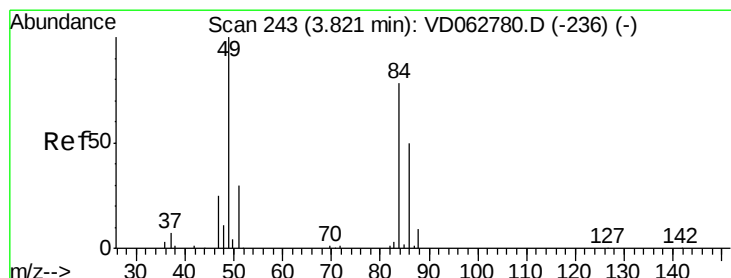
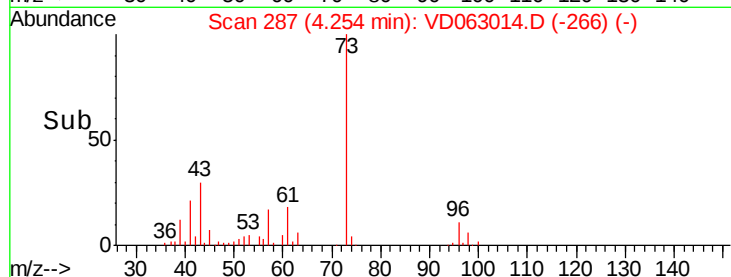
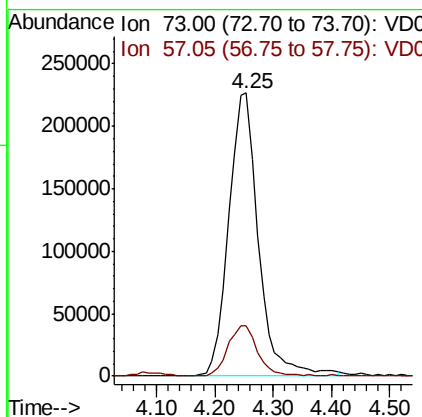
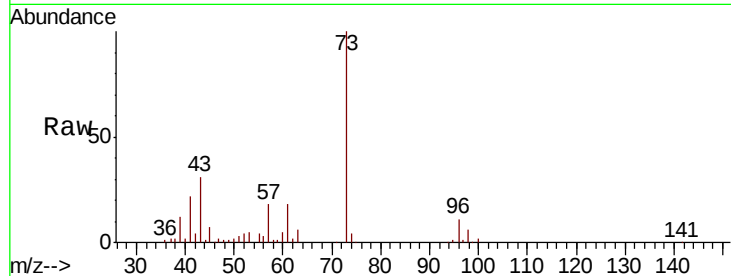


#19

Methyl tert-butyl Ether
 Concen: 58.347 ug/l
 RT: 4.25 min Scan# 287
 Delta R.T. 0.01 min
 Lab File: VD063014.D
 Acq: 2 Jul 2019 20:39

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050EC

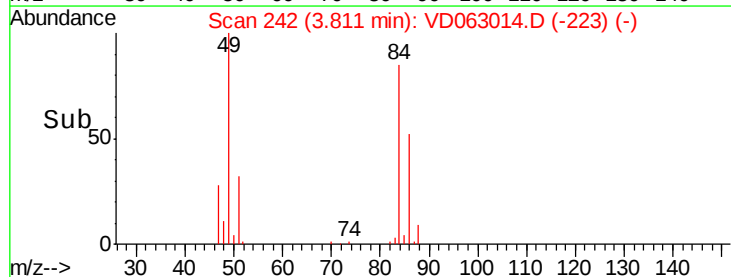
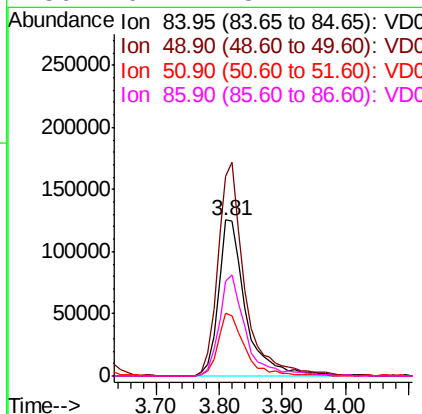
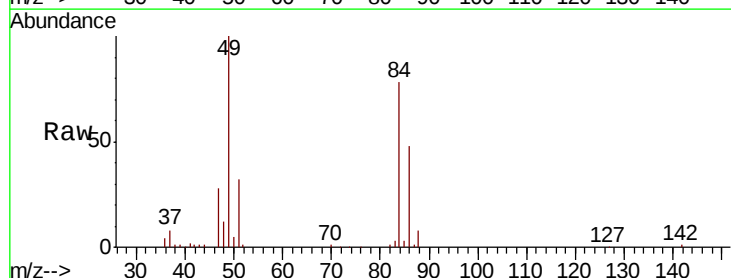
Tot Ion: 73 Resp: 804010
 Ion Ratio Lower Upper
 73 100
 57 17.7 14.3 21.5

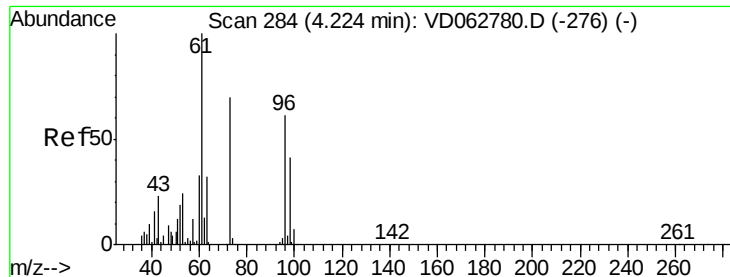


#20

Methylene Chloride
 Concen: 56.934 ug/l
 RT: 3.81 min Scan# 242
 Delta R.T. -0.01 min
 Lab File: VD063014.D
 Acq: 2 Jul 2019 20:39

Tgt Ion: 84 Resp: 378551
 Ion Ratio Lower Upper
 84 100
 49 128.3 102.9 154.3
 51 40.6 31.2 46.8
 86 61.1 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 55.119 ug/l

RT: 4.22 min Scan# 284

Delta R.T. -0.00 min

Lab File: VD063014.D

Acq: 2 Jul 2019 20:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

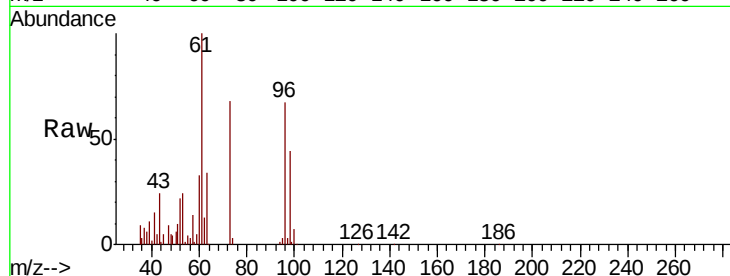
Tot Ion: 96 Resp: 373579

Ion Ratio Lower Upper

96 100

61 149.7 131.0 196.4

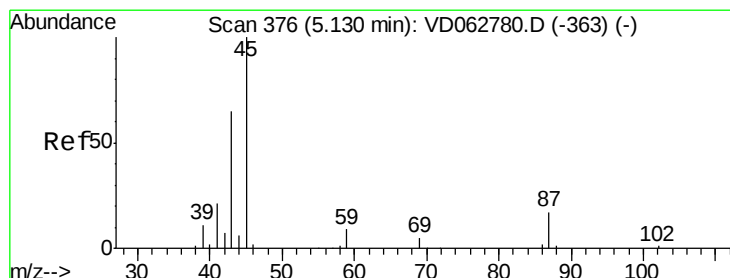
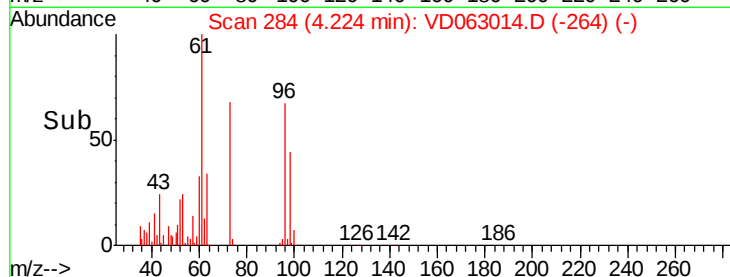
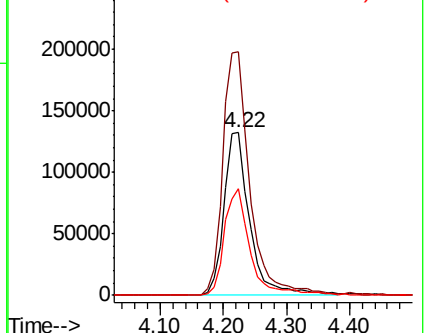
98 65.4 53.2 79.8



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 59.685 ug/l

RT: 5.13 min Scan# 376

Delta R.T. -0.00 min

Lab File: VD063014.D

Acq: 2 Jul 2019 20:39

Tgt Ion: 45 Resp: 1141629

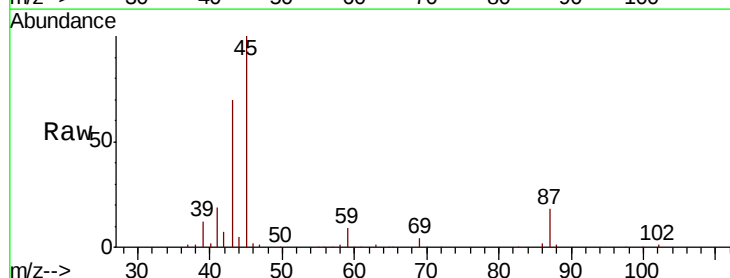
Ion Ratio Lower Upper

45 100

43 69.8 53.4 80.0

87 18.2 14.6 22.0

59 8.9 7.8 11.8

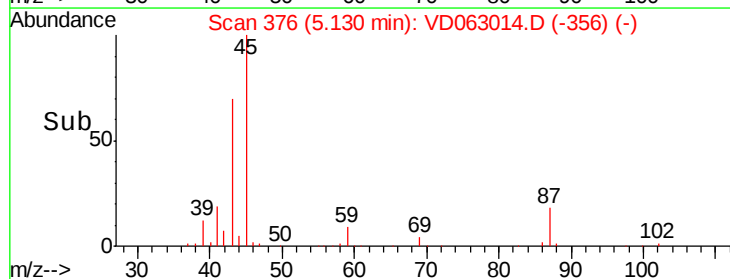
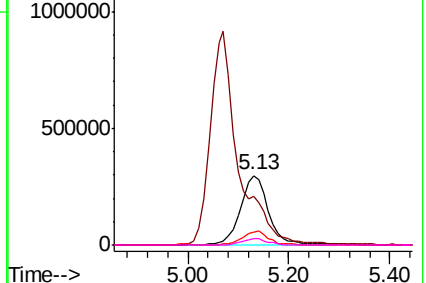


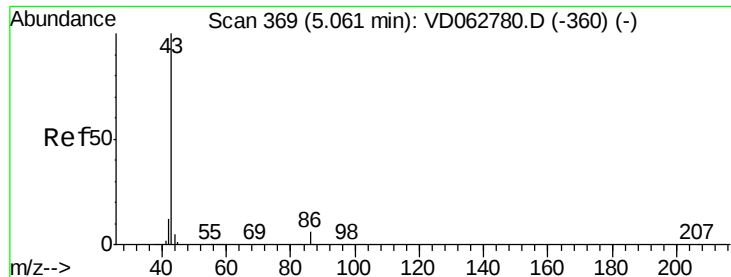
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 295.017 ug/l

RT: 5.07 min Scan# 370

Delta R.T. 0.01 min

Lab File: VD063014.D

Acq: 2 Jul 2019 20:39

Instrument :

MSVOA_D

ClientSampleId :

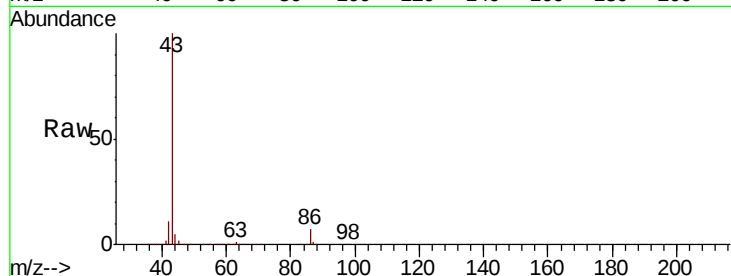
VSTDCCC050EC

Tot Ion: 43 Resp: 3531062

Ion Ratio Lower Upper

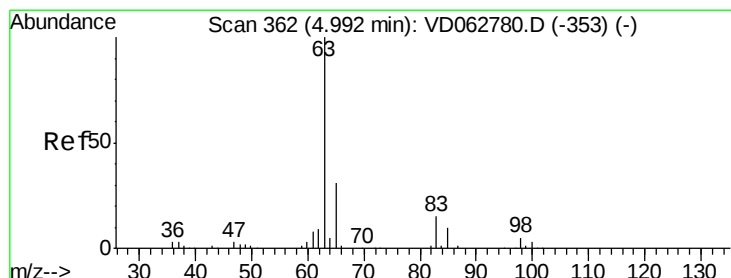
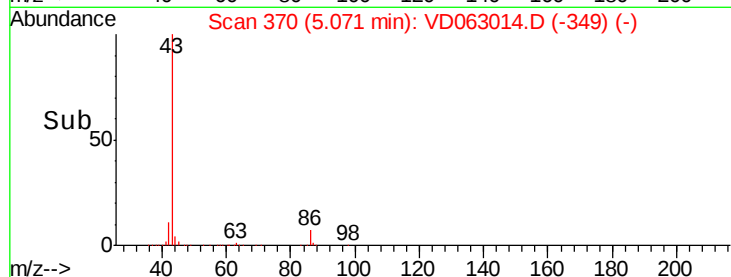
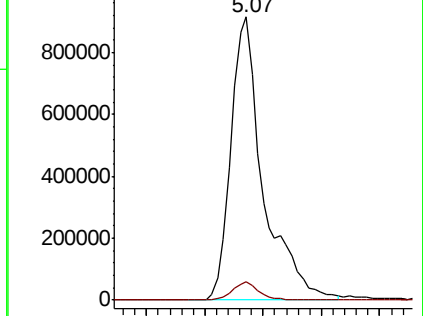
43 100

86 6.6 4.7 7.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 58.877 ug/l

RT: 4.99 min Scan# 362

Delta R.T. -0.00 min

Lab File: VD063014.D

Acq: 2 Jul 2019 20:39

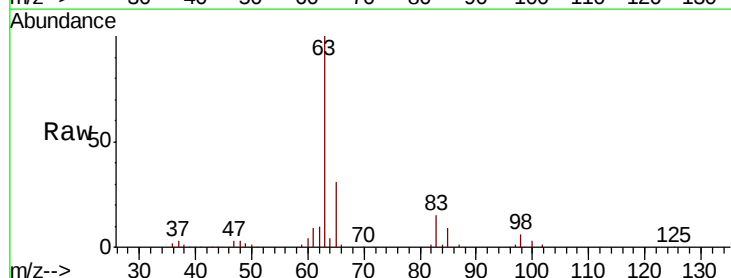
Tgt Ion: 63 Resp: 733229

Ion Ratio Lower Upper

63 100

98 5.9 2.3 6.9

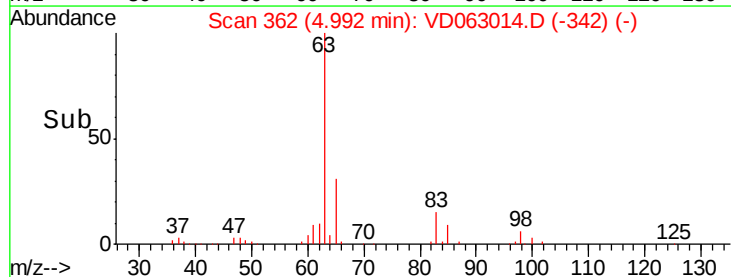
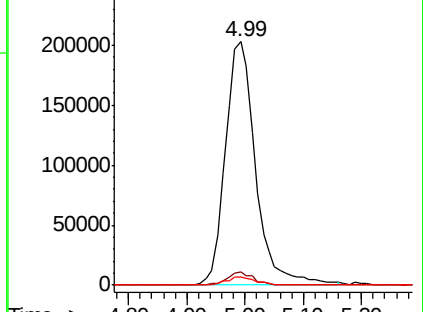
100 3.1 1.7 5.1

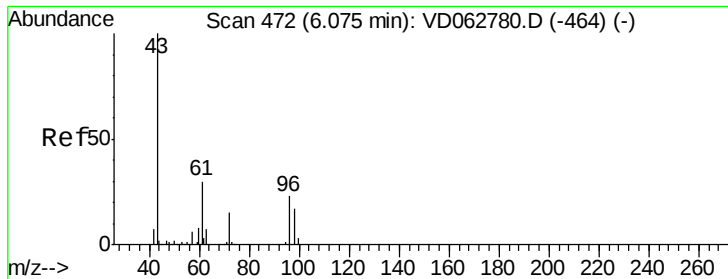


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 298.752 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.01 min

Lab File: VD063014.D

Acq: 2 Jul 2019 20:39

Instrument :

MSVOA_D

ClientSampleId :

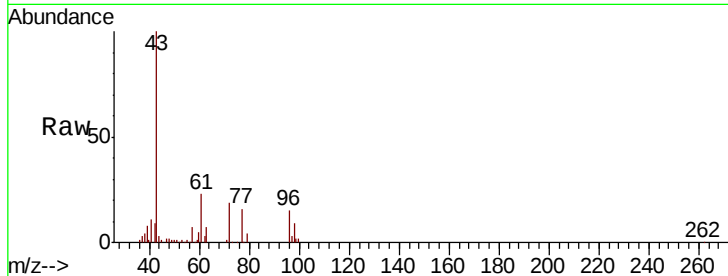
VSTDCCC050EC

Tot Ion: 43 Resp: 487138

Ion Ratio Lower Upper

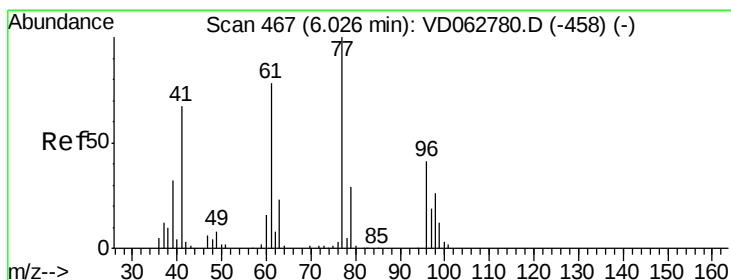
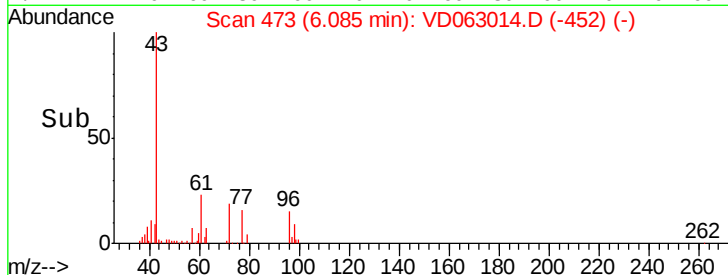
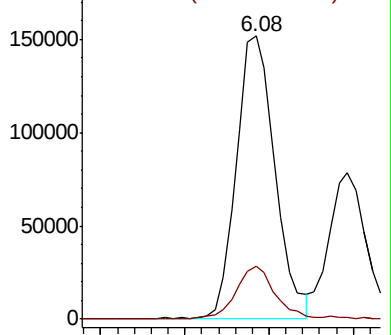
43 100

72 18.5 11.9 17.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 55.095 ug/l

RT: 6.03 min Scan# 467

Delta R.T. -0.00 min

Lab File: VD063014.D

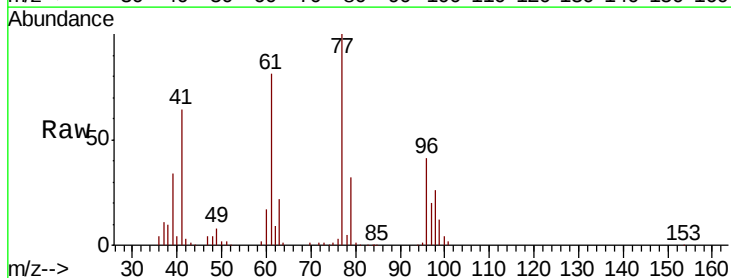
Acq: 2 Jul 2019 20:39

Tgt Ion: 77 Resp: 727262

Ion Ratio Lower Upper

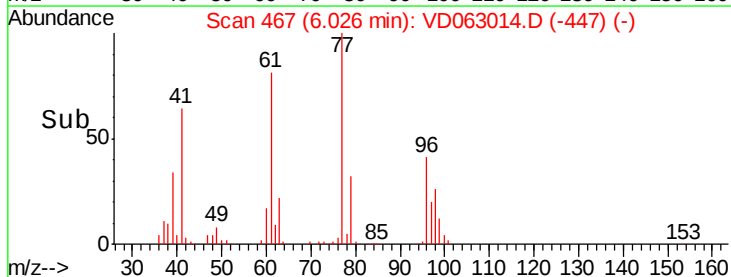
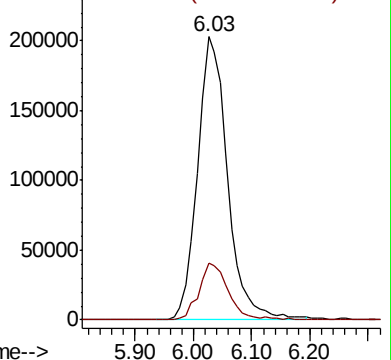
77 100

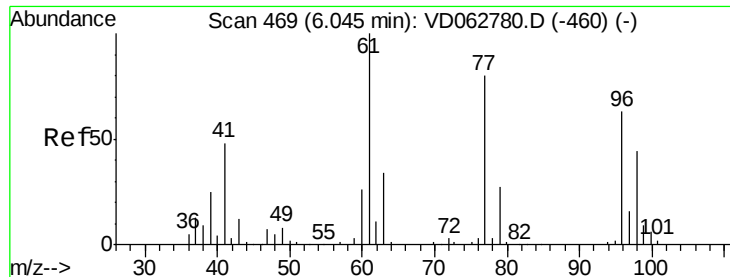
97 20.0 9.5 28.5



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



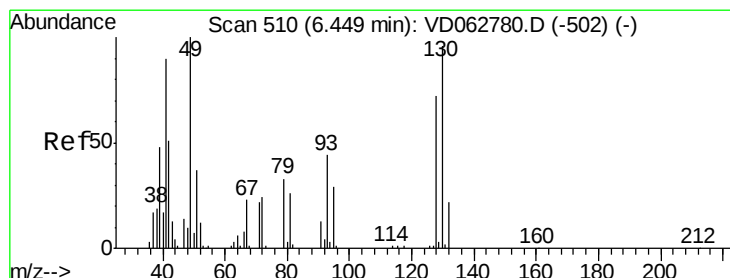
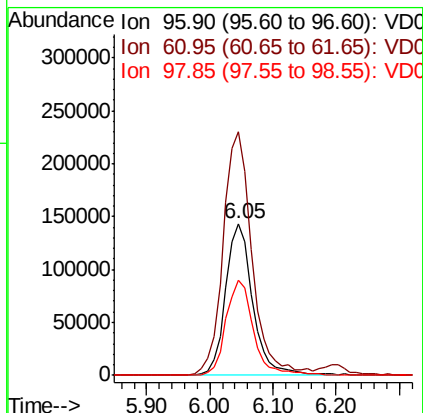
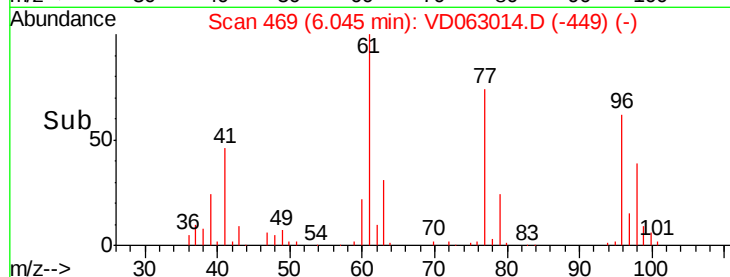
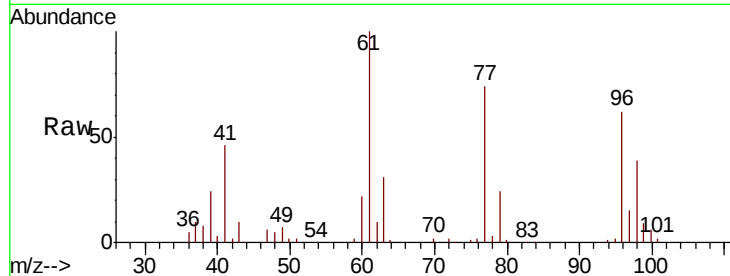


#27

cis-1,2-Dichloroethene
Concen: 59.702 ug/l
RT: 6.05 min Scan# 469
Delta R.T. -0.00 min
Lab File: VD063014.D
Acq: 2 Jul 2019 20:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

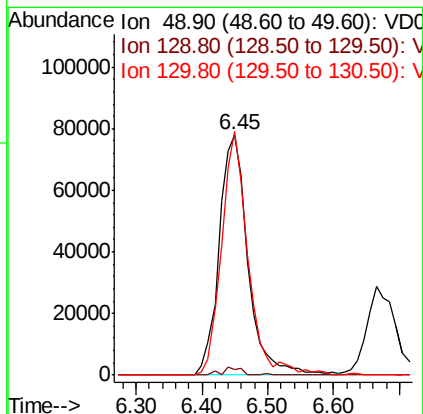
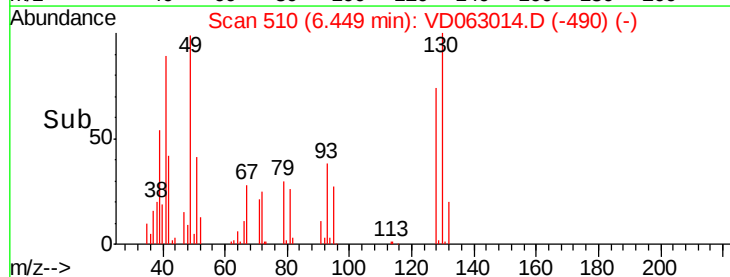
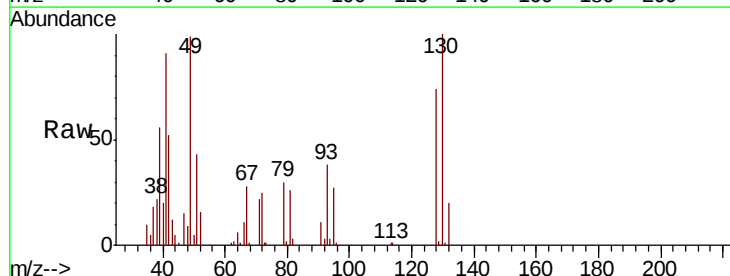
Tot Ion: 96 Resp: 427905
Ion Ratio Lower Upper
96 100
61 160.2 0.0 316.0
98 62.6 0.0 138.4

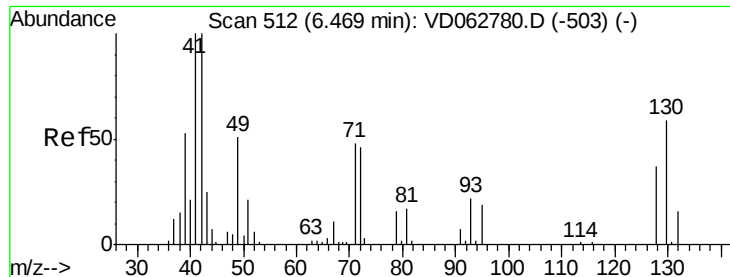


#28

Bromochloromethane
Concen: 54.200 ug/l
RT: 6.45 min Scan# 510
Delta R.T. -0.00 min
Lab File: VD063014.D
Acq: 2 Jul 2019 20:39

Tgt Ion: 49 Resp: 237728
Ion Ratio Lower Upper
49 100
129 2.1 0.0 5.6
130 101.5 76.6 114.8





#29

Tetrahydrofuran

Concen: 304.419 ug/l

RT: 6.47 min Scan# 512

Delta R.T. -0.00 min

Lab File: VD063014.D

Acq: 2 Jul 2019 20:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

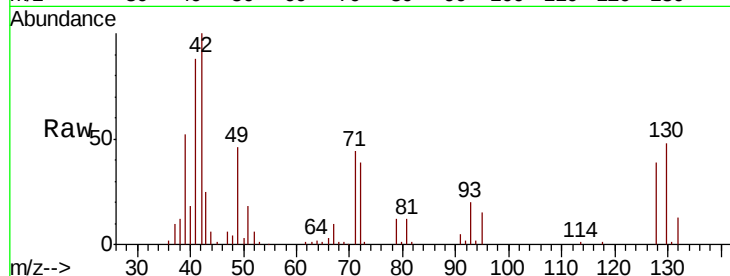
Tot Ion: 42 Resp: 234856

Ion Ratio Lower Upper

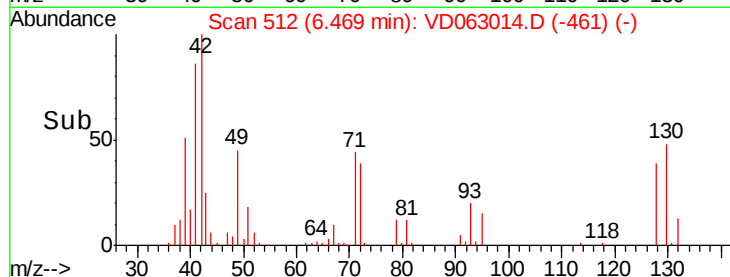
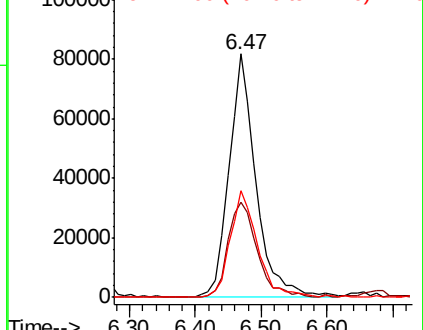
42 100

72 42.4 35.0 52.6

71 44.2 33.3 49.9



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



#30

Chloroform

Concen: 59.243 ug/l

RT: 6.67 min Scan# 532

Delta R.T. -0.01 min

Lab File: VD063014.D

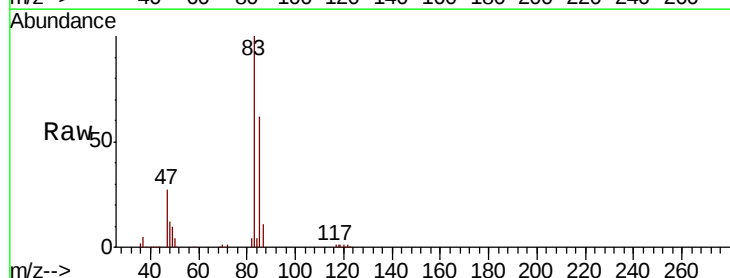
Acq: 2 Jul 2019 20:39

Tgt Ion: 83 Resp: 897260

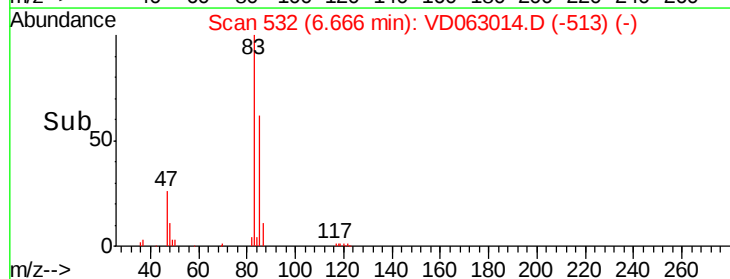
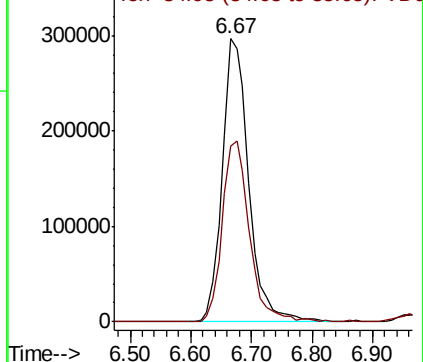
Ion Ratio Lower Upper

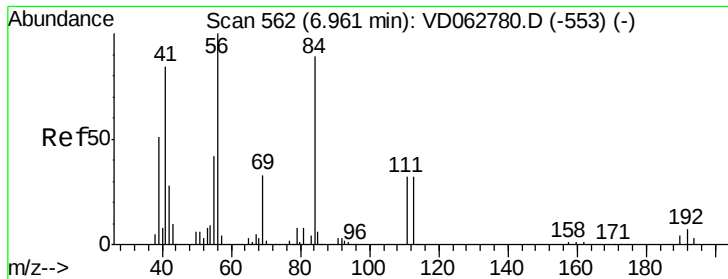
83 100

85 62.2 49.8 74.6



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

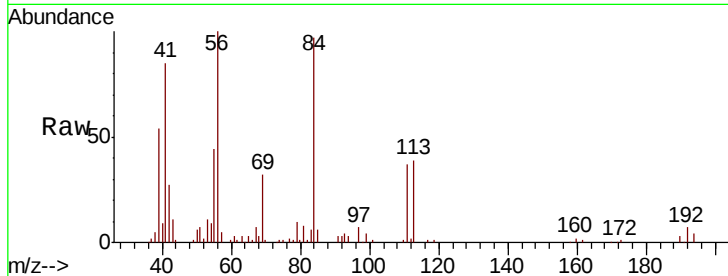




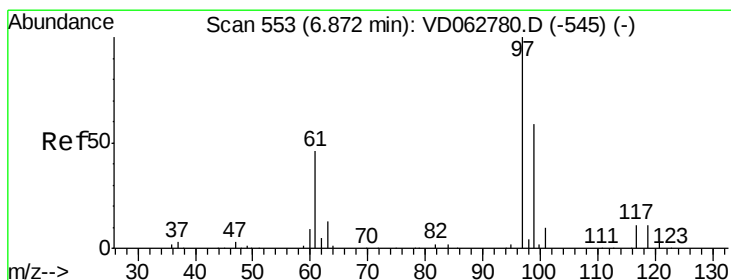
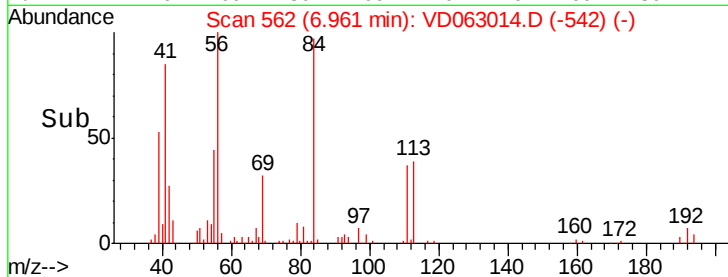
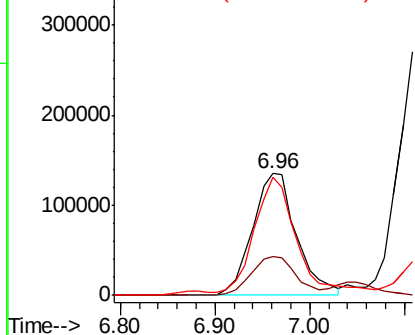
#31
Cyclohexane
Concen: 53.393 ug/l
RT: 6.96 min Scan# 562
Delta R.T. -0.00 min
Lab File: VD063014.D
Acq: 2 Jul 2019 20:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 56 Resp: 437133
Ion Ratio Lower Upper
56 100
69 31.6 26.6 39.8
84 96.6 75.5 113.3

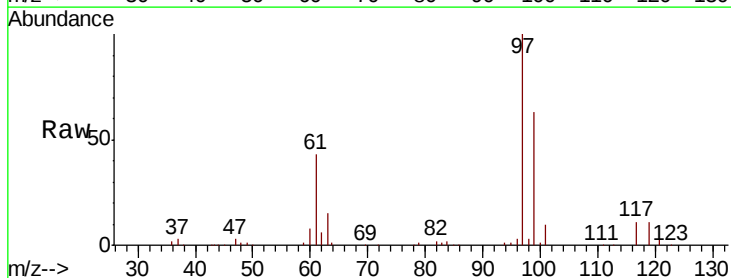


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

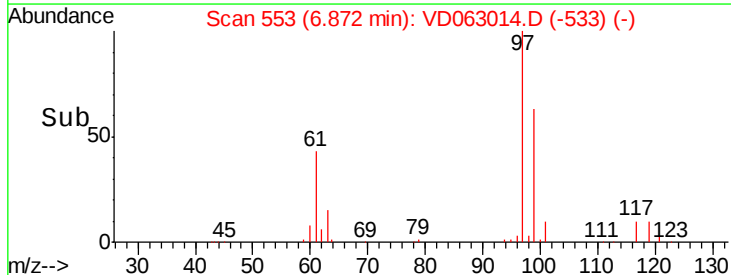
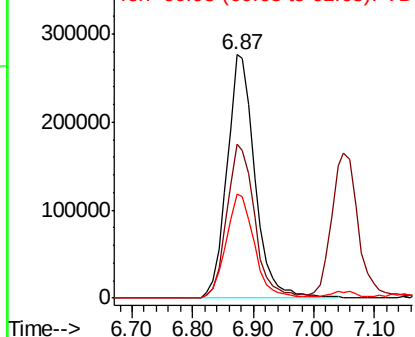


#32
1,1,1-Trichloroethane
Concen: 56.065 ug/l
RT: 6.87 min Scan# 553
Delta R.T. -0.00 min
Lab File: VD063014.D
Acq: 2 Jul 2019 20:39

Tgt Ion: 97 Resp: 884436
Ion Ratio Lower Upper
97 100
99 63.3 47.4 71.2
61 43.0 37.2 55.8



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

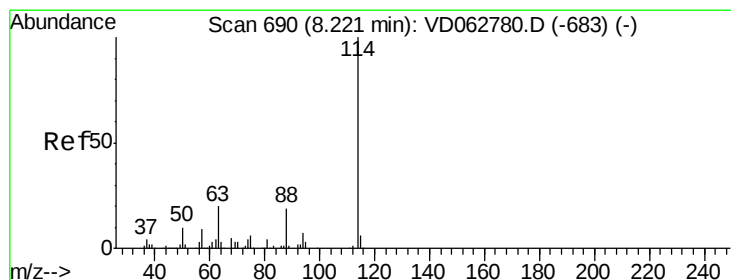
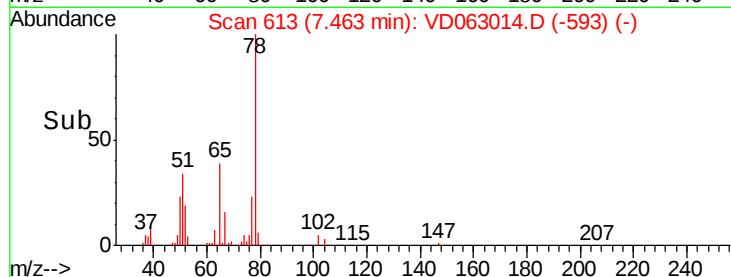
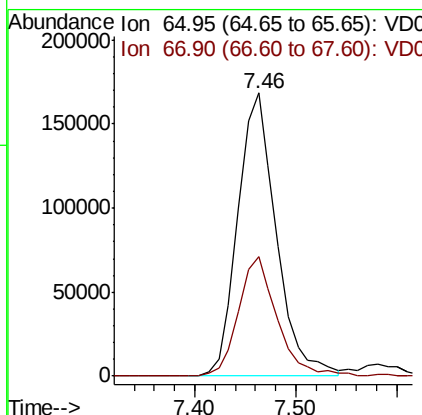
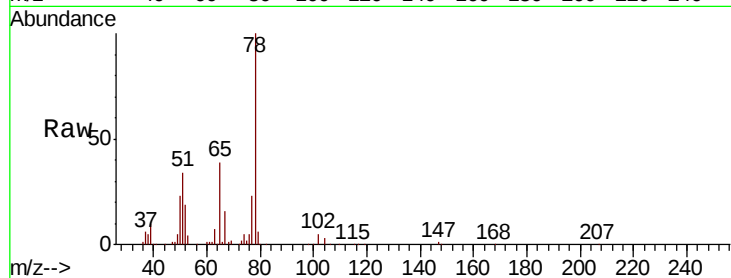




#33
 1,2-Dichloroethane-d4
 Concen: 51.299 ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: VD063014.D
 Acq: 2 Jul 2019 20:39

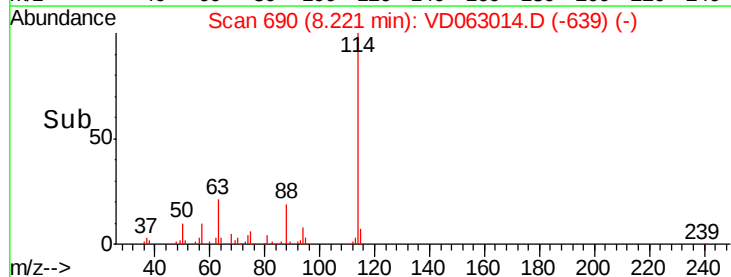
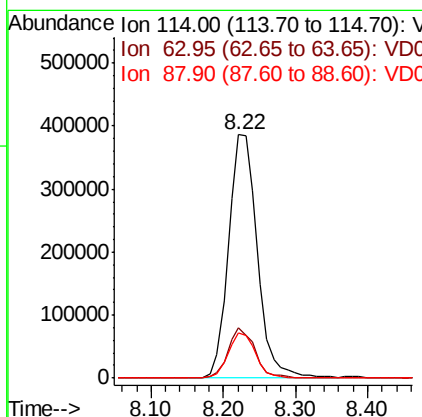
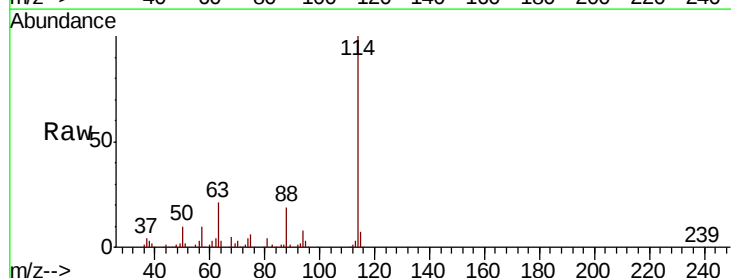
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

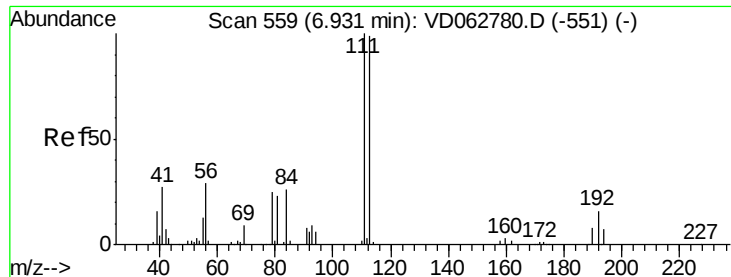
Tot Ion: 65 Resp: 447237
 Ion Ratio Lower Upper
 65 100
 67 42.1 0.0 87.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. -0.00 min
 Lab File: VD063014.D
 Acq: 2 Jul 2019 20:39

Tgt Ion: 114 Resp: 1074648
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 40.0
 88 18.6 0.0 38.8

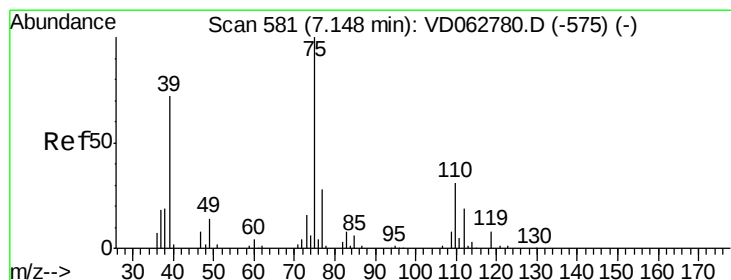
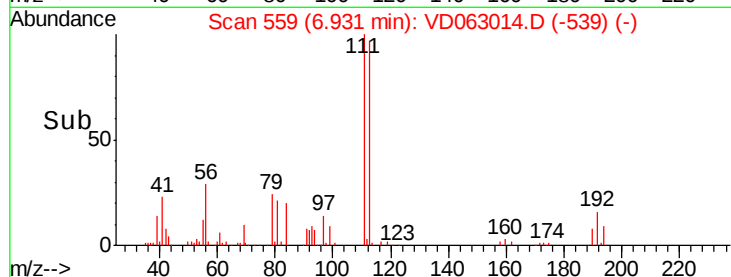
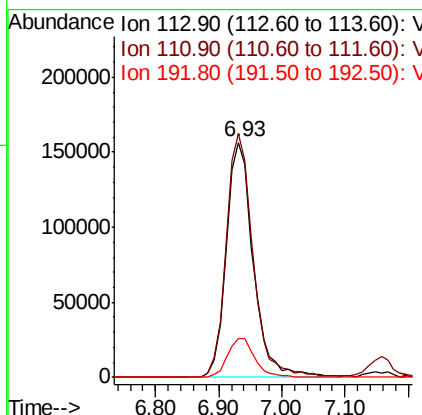
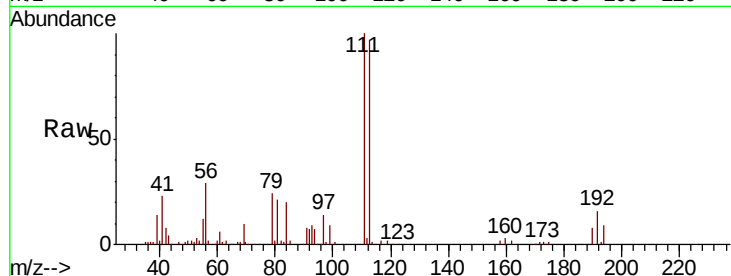




#35
Dibromofluoromethane
Concen: 50.990 ug/l
RT: 6.93 min Scan# 559
Delta R.T. -0.00 min
Lab File: VD063014.D
Acq: 2 Jul 2019 20:39

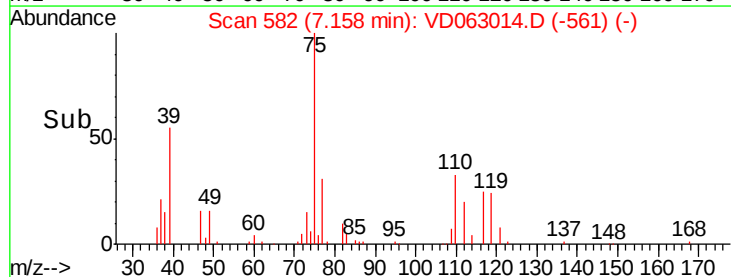
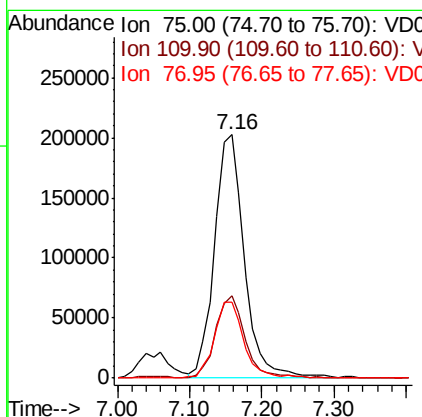
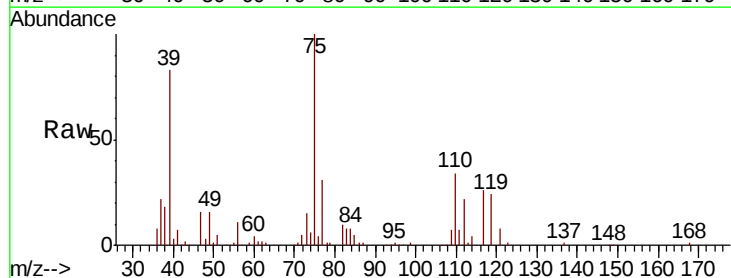
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

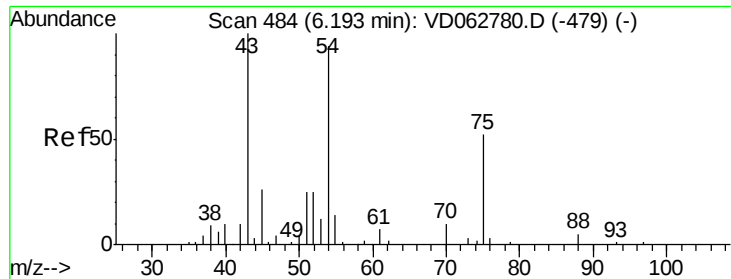
Tot Ion:113 Resp: 462037
Ion Ratio Lower Upper
113 100
111 103.5 81.2 121.8
192 16.6 12.9 19.3



#36
1,1-Dichloropropene
Concen: 56.808 ug/l
RT: 7.16 min Scan# 582
Delta R.T. 0.01 min
Lab File: VD063014.D
Acq: 2 Jul 2019 20:39

Tgt Ion: 75 Resp: 577910
Ion Ratio Lower Upper
75 100
110 33.8 15.0 45.1
77 31.1 22.2 33.2

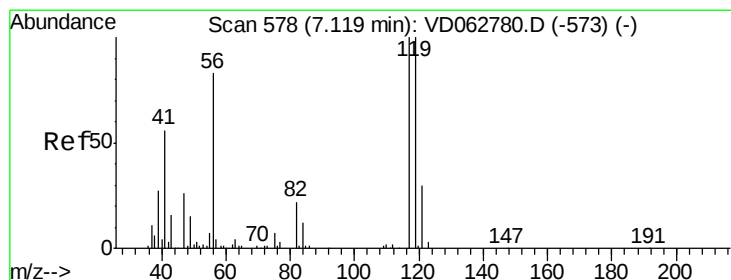
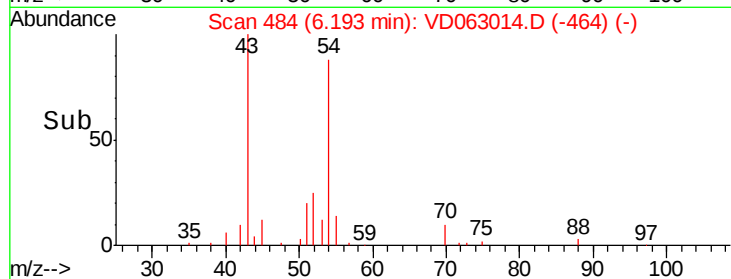
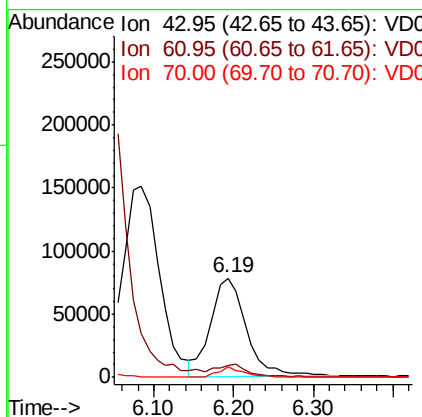
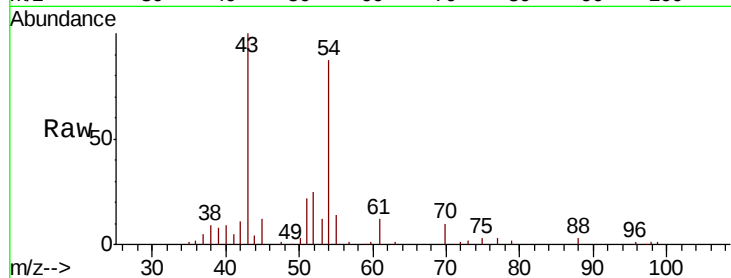




#37
Ethyl Acetate
Concen: 57.675 ug/l
RT: 6.19 min Scan# 484
Delta R.T. 0.00 min
Lab File: VD063014.D
Acq: 2 Jul 2019 20:39

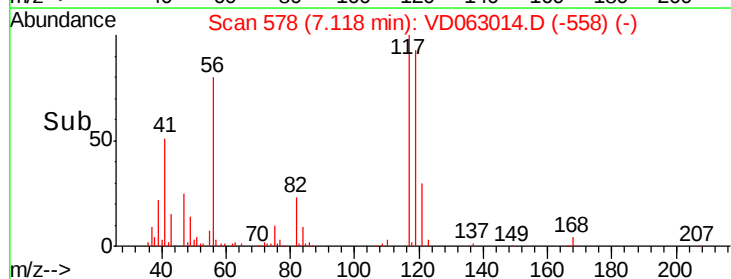
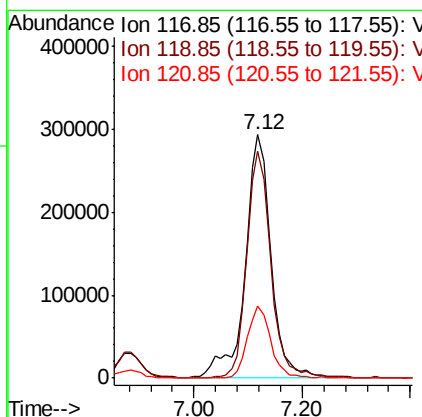
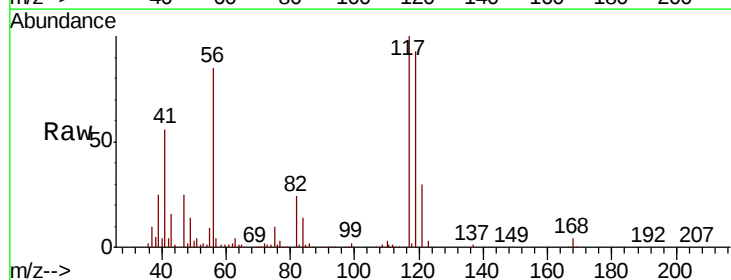
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

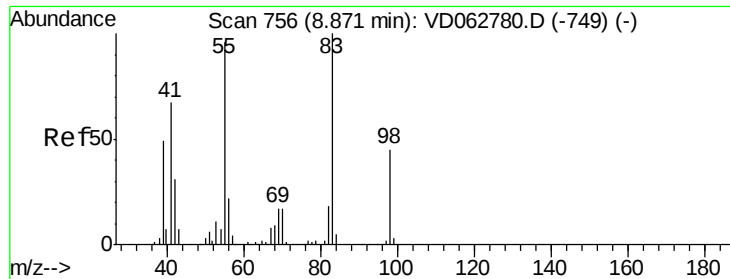
Tot Ion: 43 Resp: 245748
Ion Ratio Lower Upper
43 100
61 12.4 11.6 17.4
70 10.3 6.4 9.6#



#38
Carbon Tetrachloride
Concen: 63.029 ug/l
RT: 7.12 min Scan# 578
Delta R.T. -0.00 min
Lab File: VD063014.D
Acq: 2 Jul 2019 20:39

Tgt Ion: 117 Resp: 964333
Ion Ratio Lower Upper
117 100
119 93.2 75.4 113.2
121 29.7 22.3 33.5

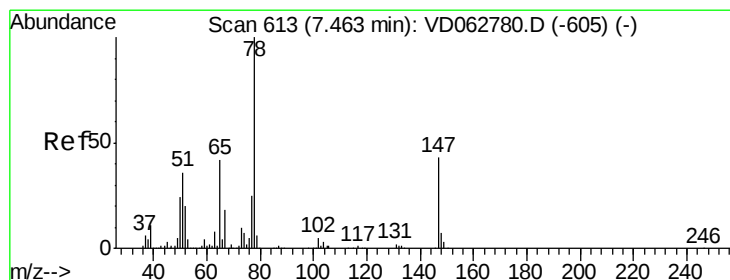
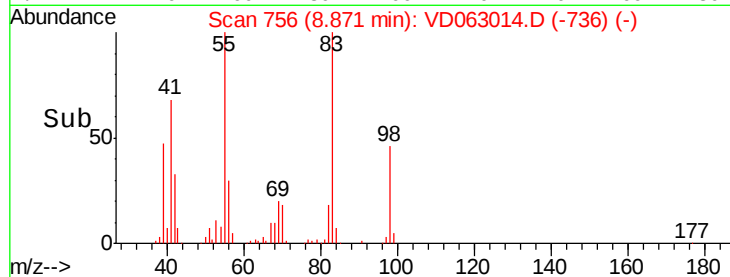
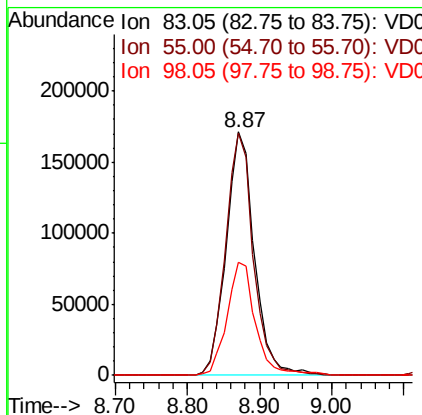
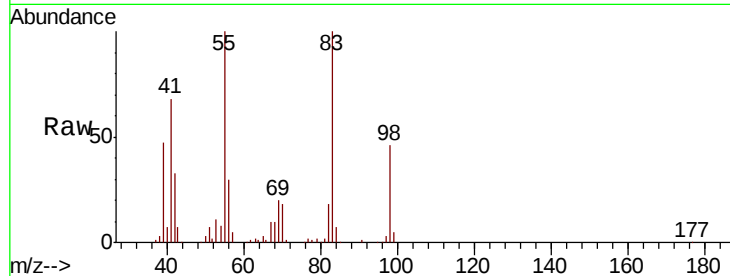




#39
Methylvlcvclohexane
Concen: 52.124 ug/l
RT: 8.87 min Scan# 756
Delta R.T. -0.00 min
Lab File: VD063014.D
Acq: 2 Jul 2019 20:39

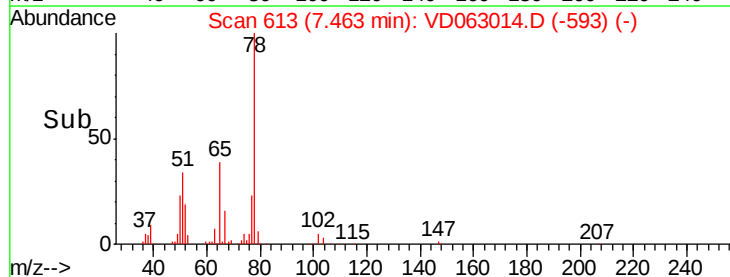
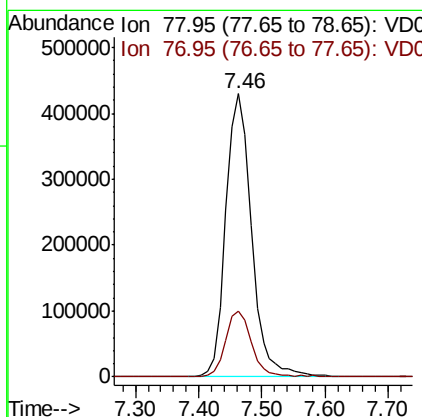
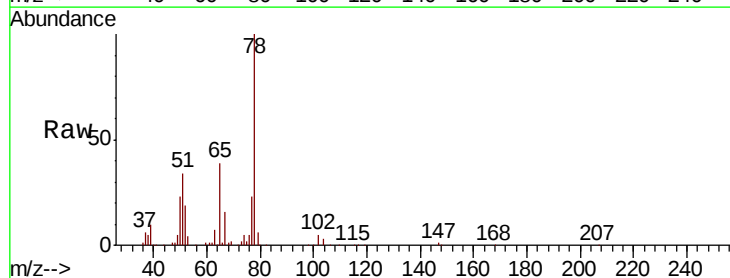
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 83 Resp: 466755
Ion Ratio Lower Upper
83 100
55 99.7 76.6 115.0
98 46.4 35.7 53.5



#40
Benzene
Concen: 59.759 ug/l
RT: 7.46 min Scan# 613
Delta R.T. -0.00 min
Lab File: VD063014.D
Acq: 2 Jul 2019 20:39

Tgt Ion: 78 Resp: 1220308
Ion Ratio Lower Upper
78 100
77 23.3 20.2 30.2





#41

Methacrylonitrile

Concen: 58.119 ug/l

RT: 6.46 min Scan# 511

Delta R.T. 0.01 min

Lab File: VD063014.D

Acq: 2 Jul 2019 20:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 311803

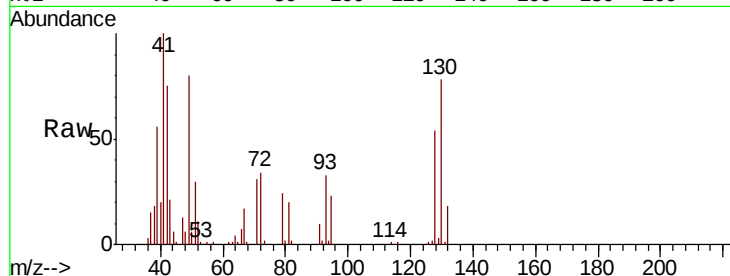
Ion Ratio Lower Upper

41 100

39 56.4 43.2 64.8

67 16.8 19.9 29.9#

52 10.9 10.2 15.4

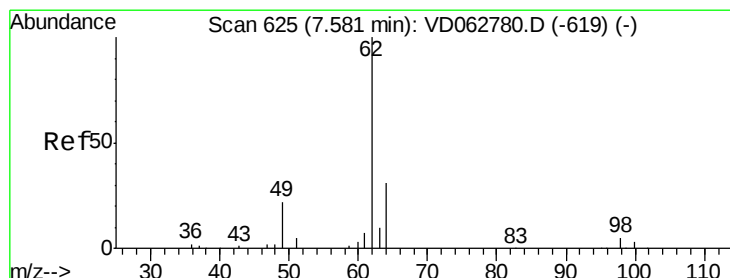
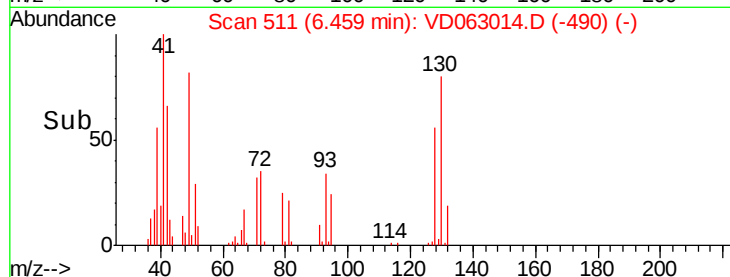
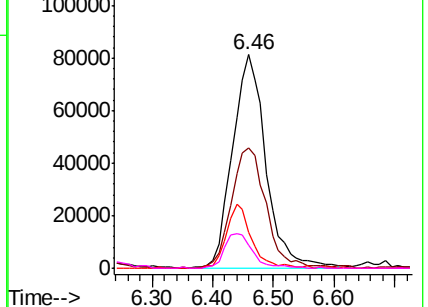


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 57.825 ug/l

RT: 7.58 min Scan# 625

Delta R.T. -0.00 min

Lab File: VD063014.D

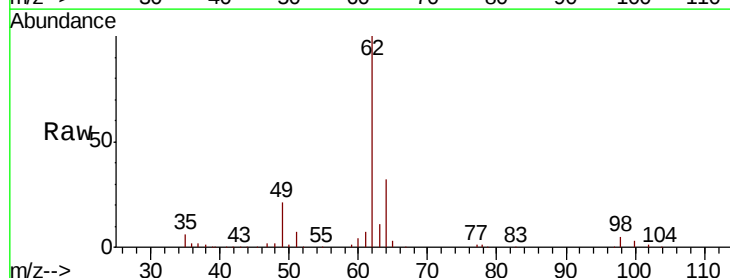
Acq: 2 Jul 2019 20:39

Tgt Ion: 62 Resp: 644160

Ion Ratio Lower Upper

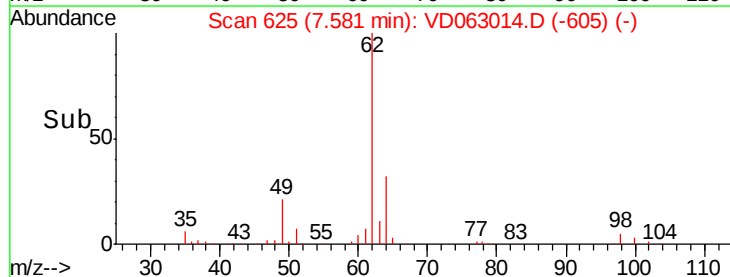
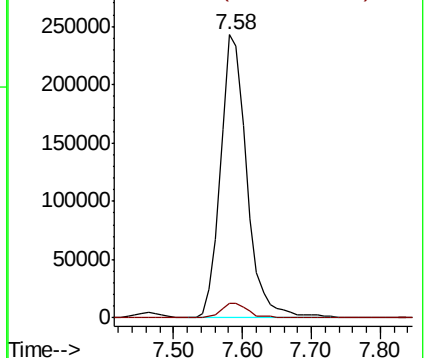
62 100

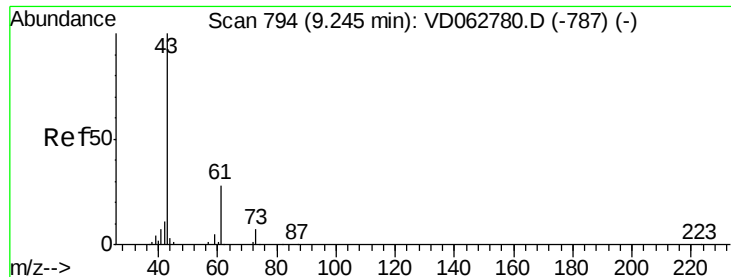
98 5.1 0.0 10.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 63.590 ug/l

RT: 9.24 min Scan# 794

Delta R.T. -0.00 min

Lab File: VD063014.D

Acq: 2 Jul 2019 20:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

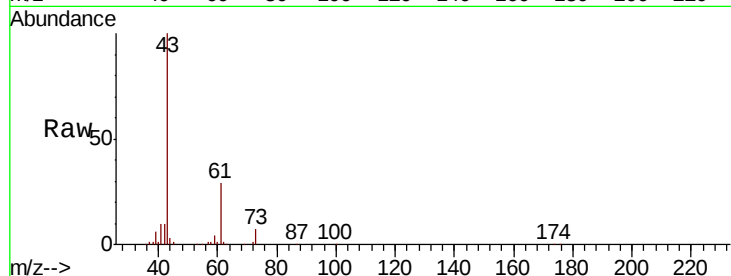
Tot Ion: 43 Resp: 339151

Ion Ratio Lower Upper

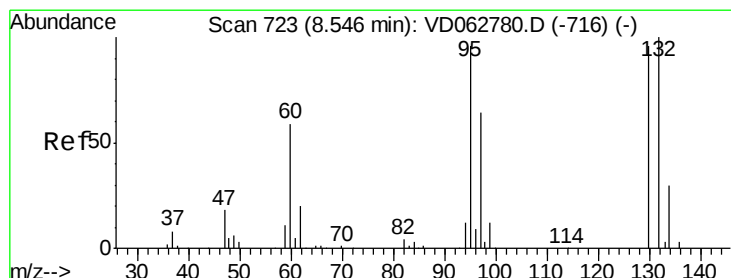
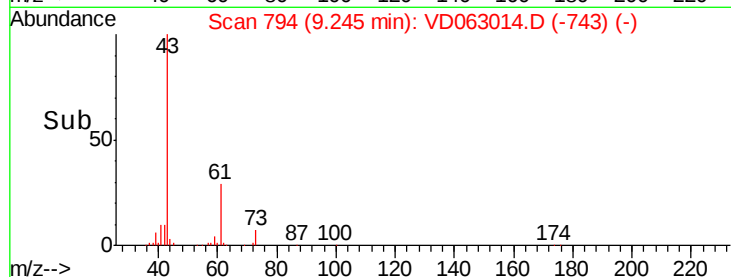
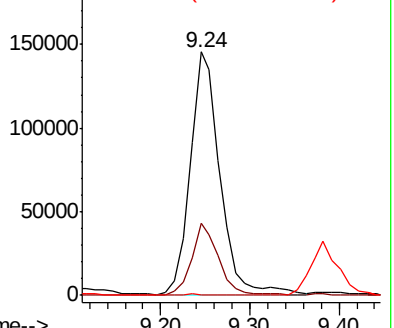
43 100

61 29.5 22.4 33.6

87 0.4 0.3 0.5



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



#44

Trichloroethene

Concen: 59.457 ug/l

RT: 8.55 min Scan# 723

Delta R.T. -0.00 min

Lab File: VD063014.D

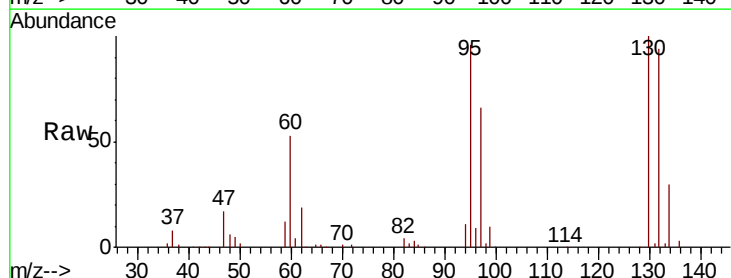
Acq: 2 Jul 2019 20:39

Tgt Ion:130 Resp: 475993

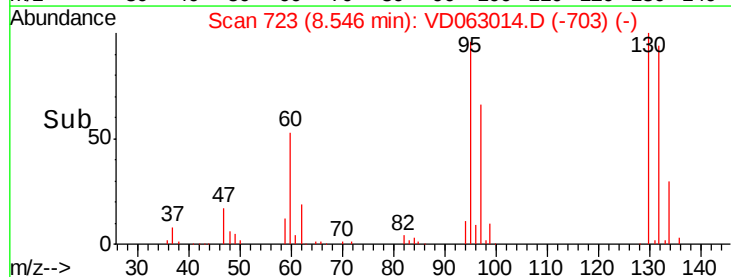
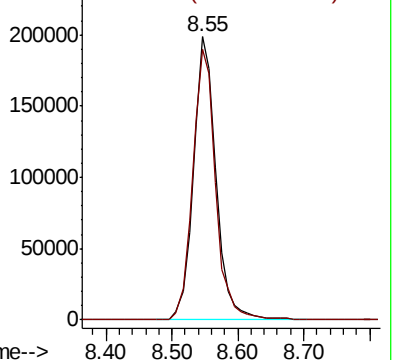
Ion Ratio Lower Upper

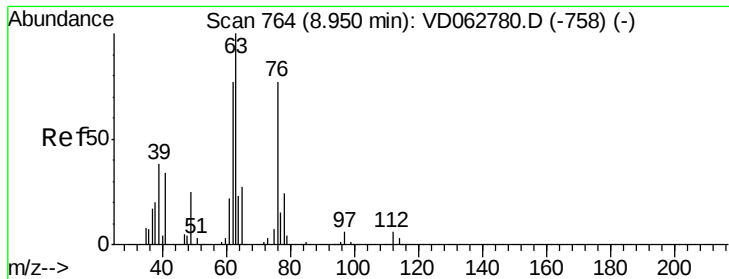
130 100

95 95.8 0.0 201.6



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





#45

1,2-Dichloropropane

Concen: 58.150 ug/l

RT: 8.95 min Scan# 764

Delta R.T. -0.00 min

Lab File: VD063014.D

Acq: 2 Jul 2019 20:39

Instrument :

MSVOA_D

ClientSampleId :

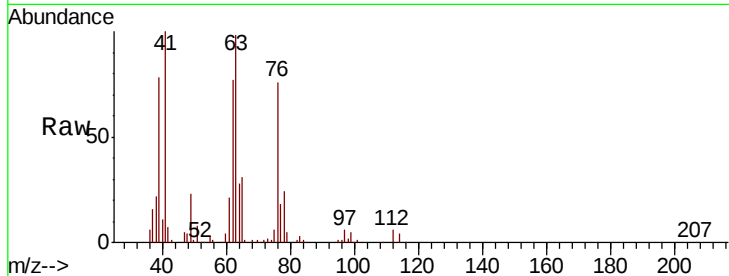
VSTDCCC050EC

Tot Ion: 63 Resp: 295268

Ion Ratio Lower Upper

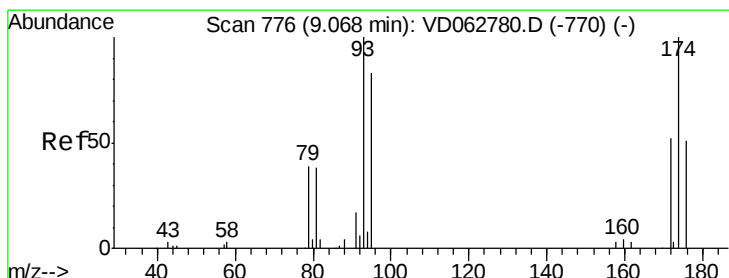
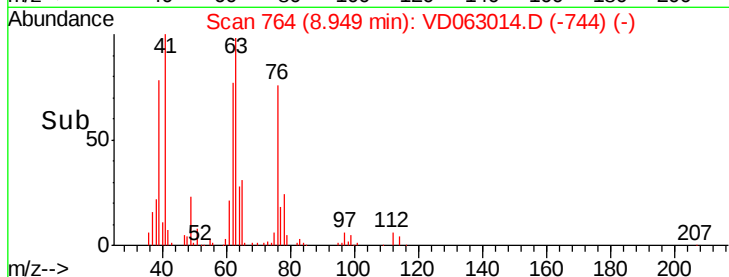
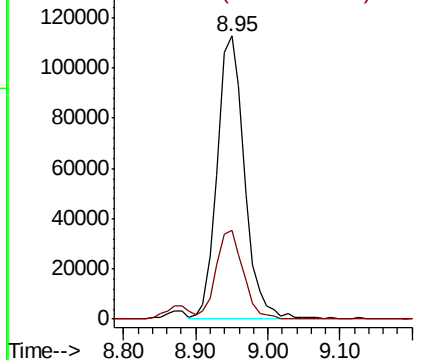
63 100

65 31.6 24.2 36.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 59.019 ug/l

RT: 9.07 min Scan# 776

Delta R.T. -0.00 min

Lab File: VD063014.D

Acq: 2 Jul 2019 20:39

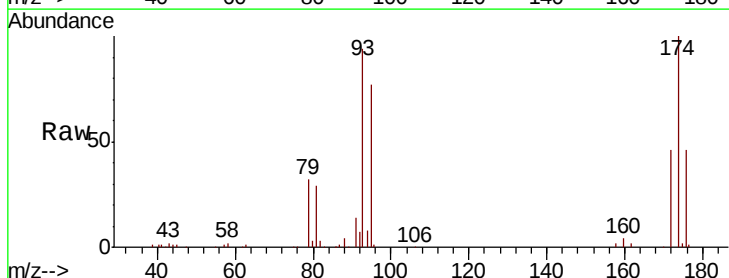
Tgt Ion: 93 Resp: 257430

Ion Ratio Lower Upper

93 100

95 82.3 66.6 100.0

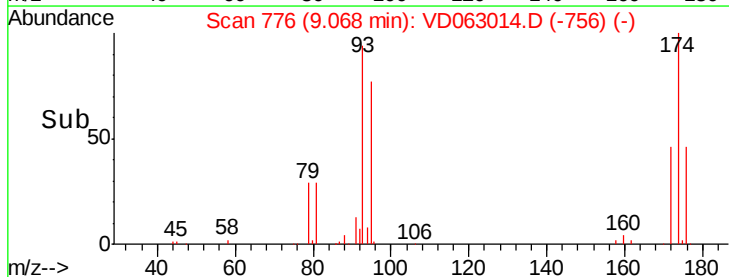
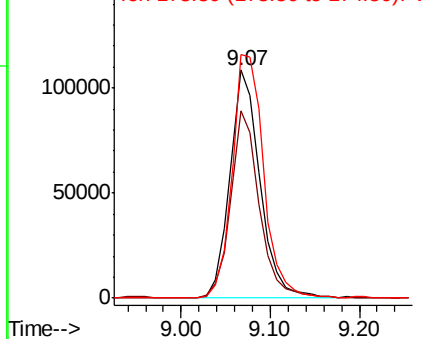
174 106.9 79.7 119.5

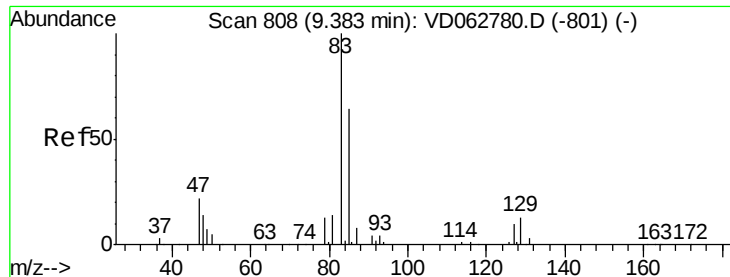


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 62.242 ug/l

RT: 9.38 min Scan# 808

Delta R.T. -0.00 min

Lab File: VD063014.D

Acq: 2 Jul 2019 20:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

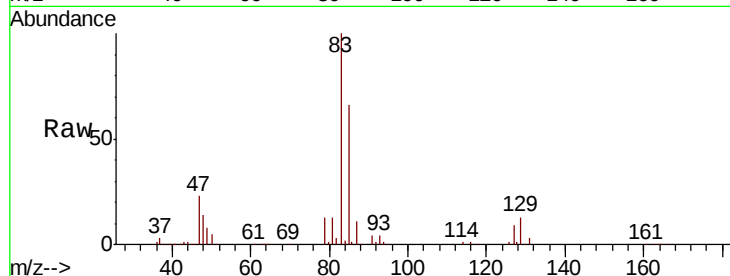
Tot Ion: 83 Resp: 705076

Ion Ratio Lower Upper

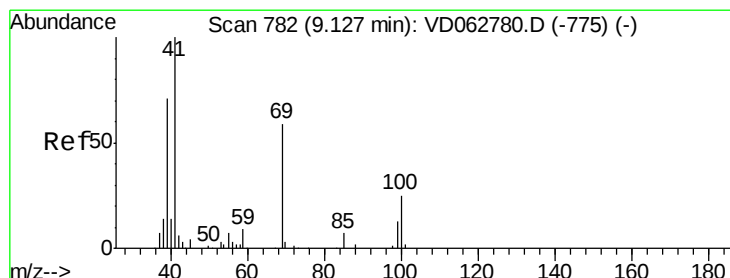
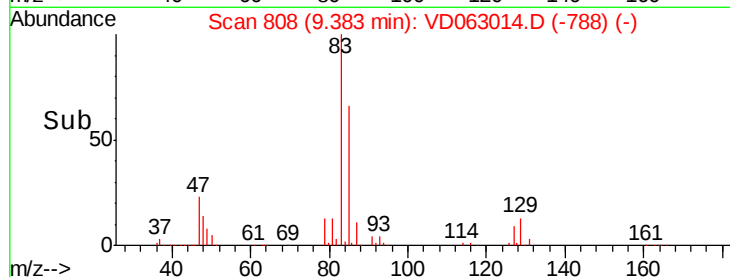
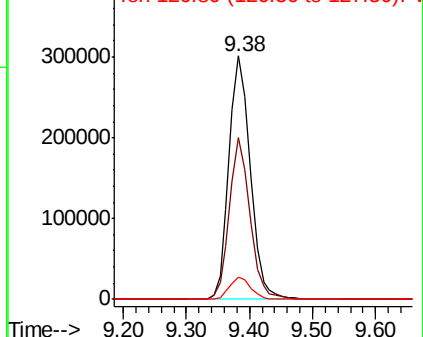
83 100

85 66.3 51.6 77.4

127 9.1 7.8 11.6



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



#48

Methyl methacrylate

Concen: 58.791 ug/l

RT: 9.13 min Scan# 782

Delta R.T. -0.00 min

Lab File: VD063014.D

Acq: 2 Jul 2019 20:39

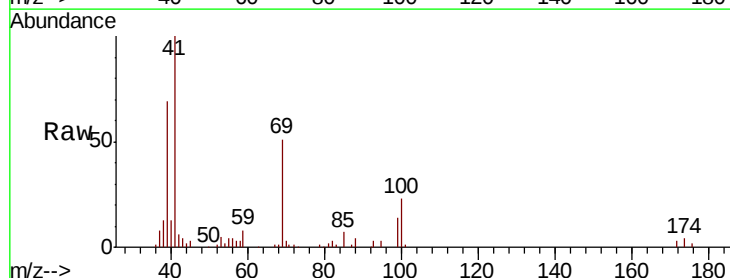
Tgt Ion: 41 Resp: 222823

Ion Ratio Lower Upper

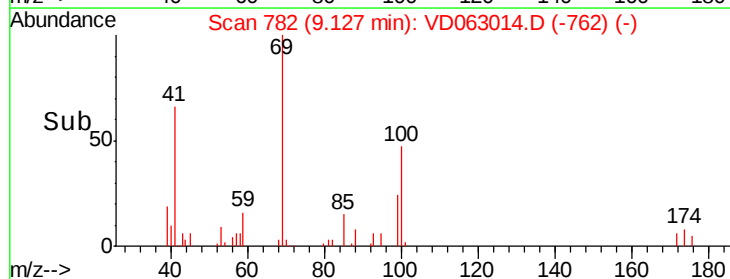
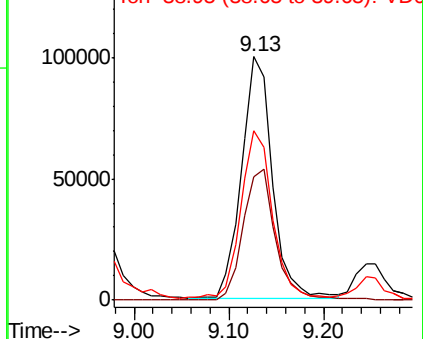
41 100

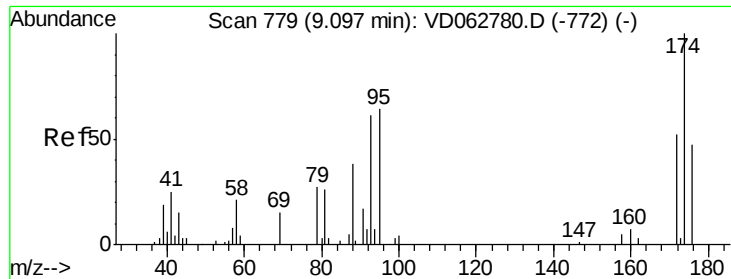
69 50.7 47.2 70.8

39 69.5 57.4 86.2



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

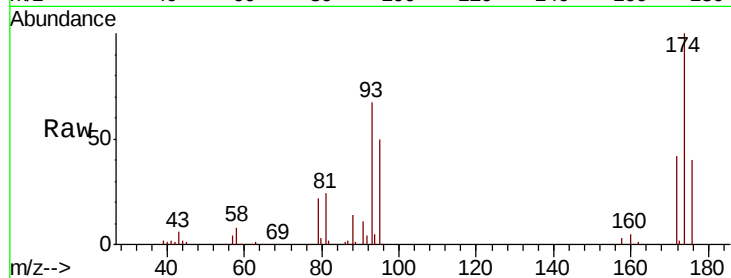




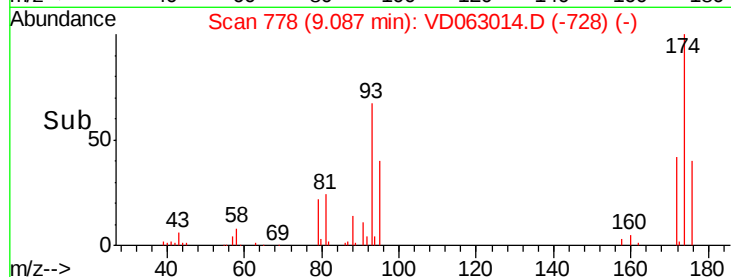
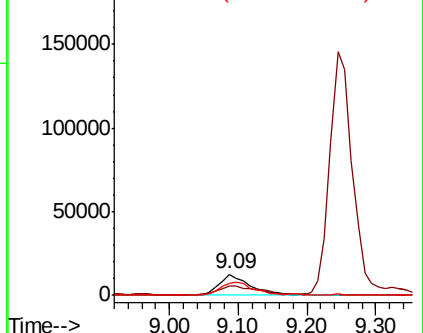
#49
1,4-Dioxane
Concen: 1241.085 ug/l
RT: 9.09 min Scan# 778
Delta R.T. -0.01 min
Lab File: VD063014.D
Acq: 2 Jul 2019 20:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 88 Resp: 39134
Ion Ratio Lower Upper
88 100
43 42.5 32.1 48.1
58 56.2 44.1 66.1

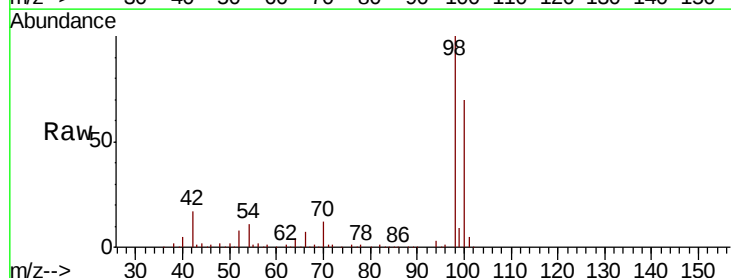


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

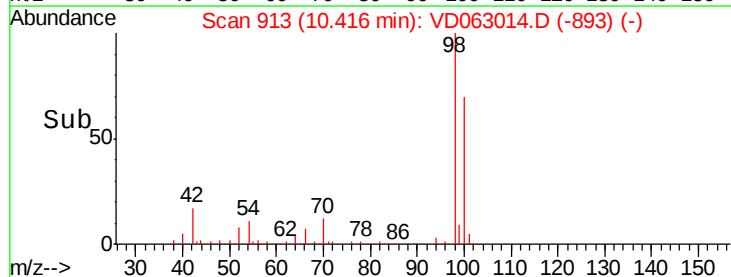
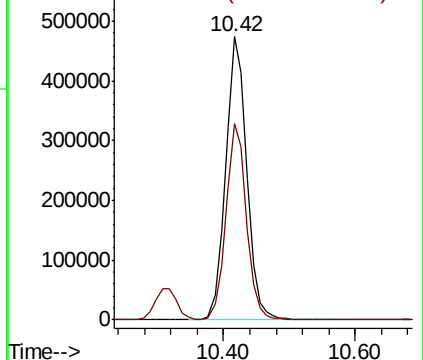


#50
Toluene-d8
Concen: 53.803 ug/l
RT: 10.42 min Scan# 913
Delta R.T. -0.00 min
Lab File: VD063014.D
Acq: 2 Jul 2019 20:39

Tgt Ion: 98 Resp: 1061092
Ion Ratio Lower Upper
98 100
100 69.6 54.7 82.1



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

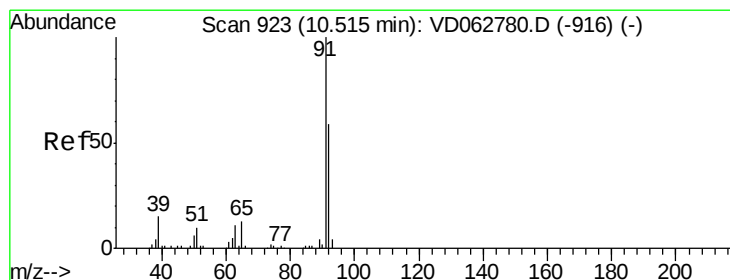
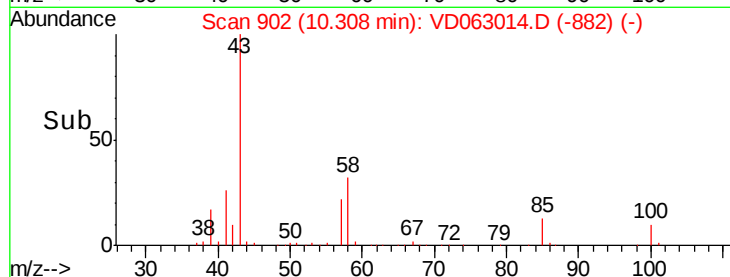
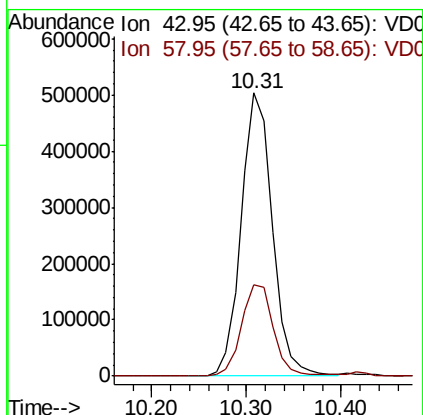
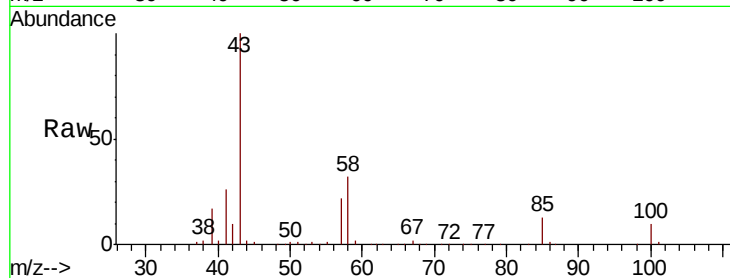




#51
4-Methyl-2-Pentanone
Concen: 304.454 ug/l
RT: 10.31 min Scan# 902
Delta R.T. -0.00 min
Lab File: VD063014.D
Acq: 2 Jul 2019 20:39

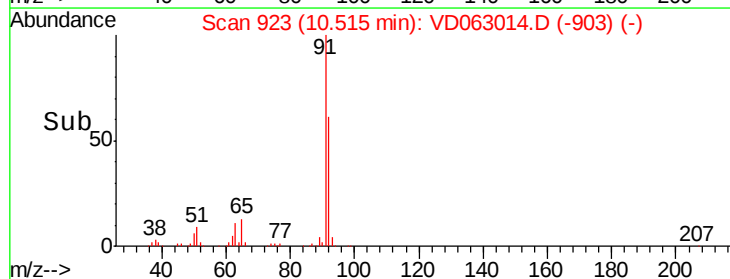
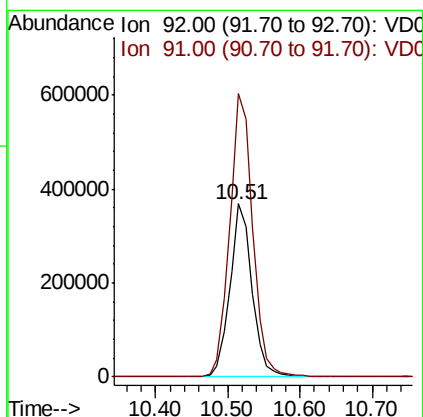
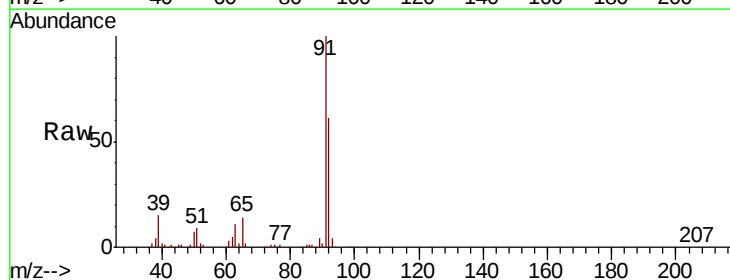
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

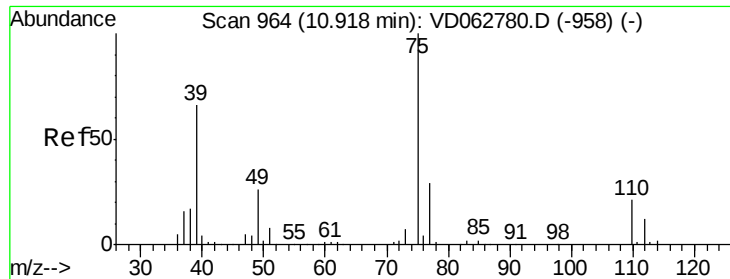
Tot Ion: 43 Resp: 1151246
Ion Ratio Lower Upper
43 100
58 32.2 26.6 40.0



#52
Toluene
Concen: 57.432 ug/l
RT: 10.51 min Scan# 923
Delta R.T. -0.00 min
Lab File: VD063014.D
Acq: 2 Jul 2019 20:39

Tgt Ion: 92 Resp: 788346
Ion Ratio Lower Upper
92 100
91 163.5 136.3 204.5





#53

t-1,3-Dichloropropene

Concen: 59.941 ug/l

RT: 10.92 min Scan# 964

Delta R.T. -0.00 min

Lab File: VD063014.D

Acq: 2 Jul 2019 20:39

Instrument :

MSVOA_D

ClientSampleId :

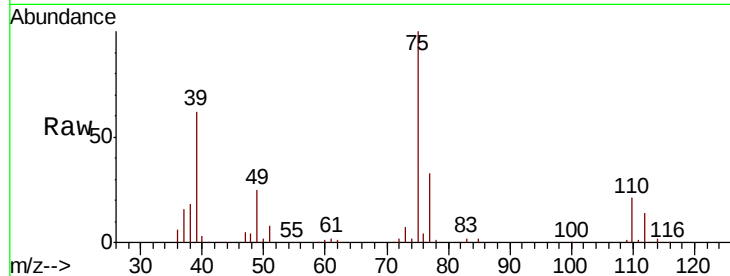
VSTDCCC050EC

Tot Ion: 75 Resp: 555759

Ion Ratio Lower Upper

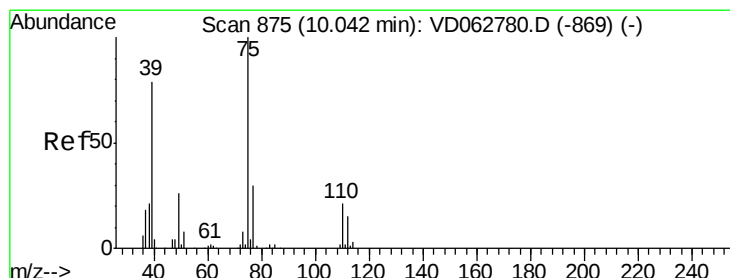
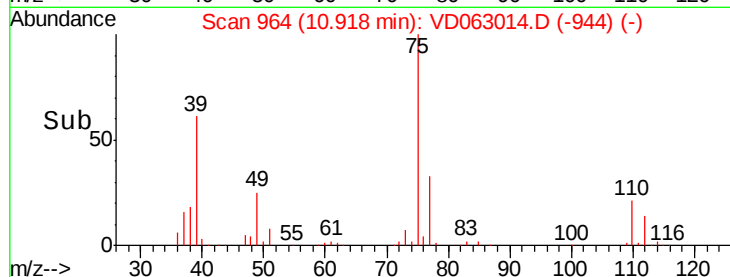
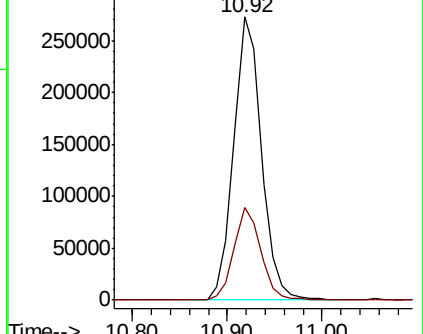
75 100

77 32.8 23.2 34.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 60.119 ug/l

RT: 10.04 min Scan# 875

Delta R.T. -0.00 min

Lab File: VD063014.D

Acq: 2 Jul 2019 20:39

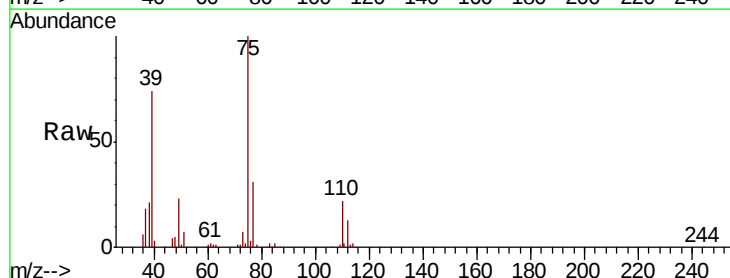
Tgt Ion: 75 Resp: 605858

Ion Ratio Lower Upper

75 100

77 31.0 24.2 36.2

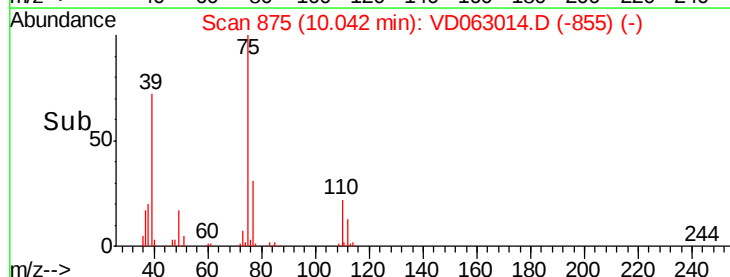
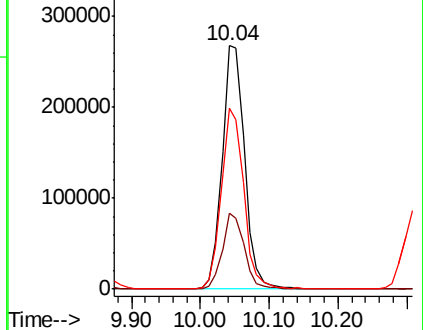
39 74.2 63.5 95.3

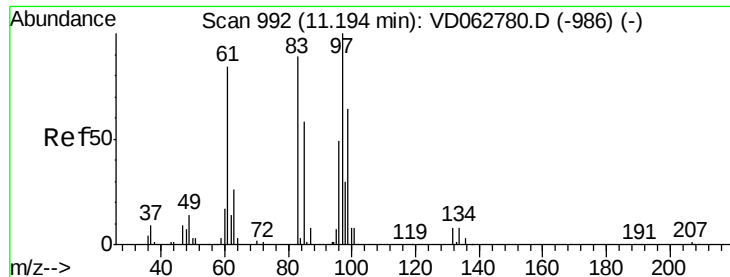


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC





#55

1,1,2-Trichloroethane

Concen: 61.085 ug/l

RT: 11.20 min Scan# 993

Delta R.T. 0.01 min

Lab File: VD063014.D

Acq: 2 Jul 2019 20:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 288076

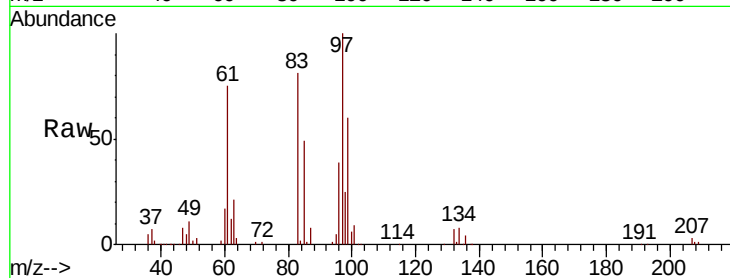
Ion Ratio Lower Upper

97 100

83 81.3 71.0 106.4

85 48.7 46.6 69.8

99 60.3 51.4 77.0

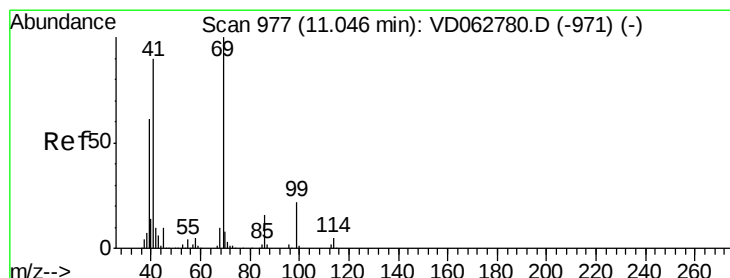
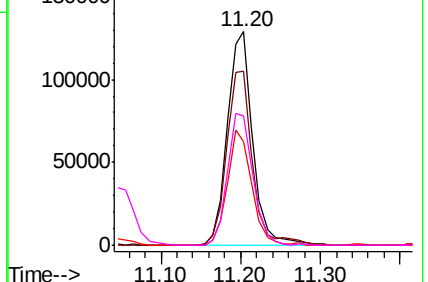
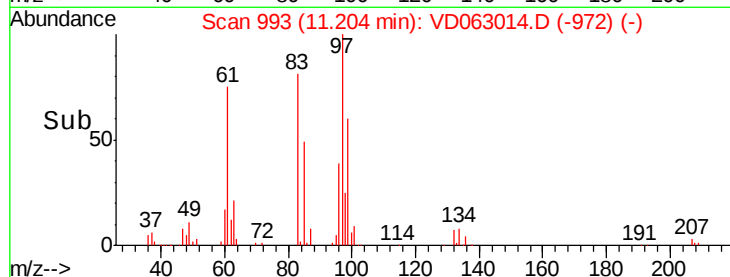


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 62.025 ug/l

RT: 11.05 min Scan# 977

Delta R.T. -0.00 min

Lab File: VD063014.D

Acq: 2 Jul 2019 20:39

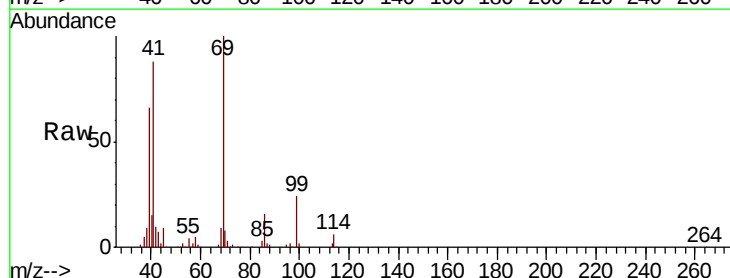
Tgt Ion: 69 Resp: 312599

Ion Ratio Lower Upper

69 100

41 88.4 72.0 108.0

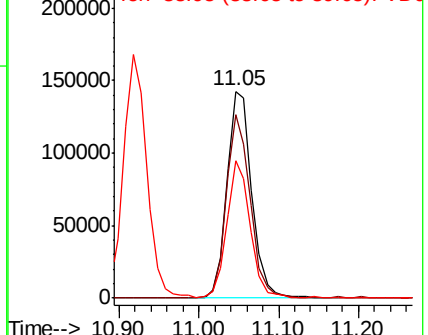
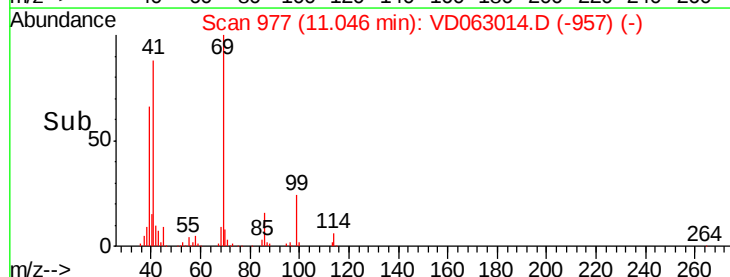
39 66.2 49.5 74.3

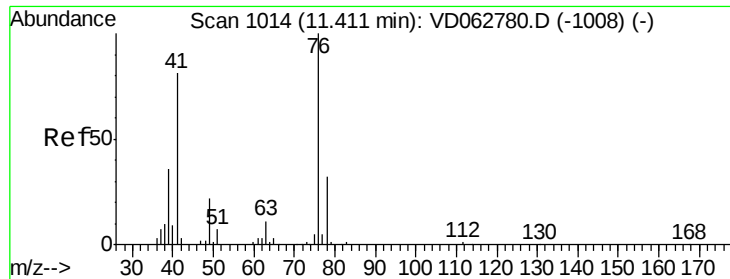


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

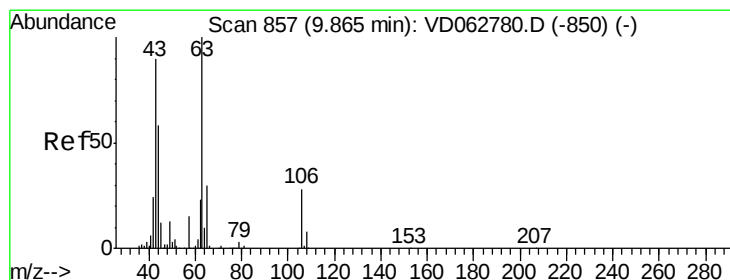
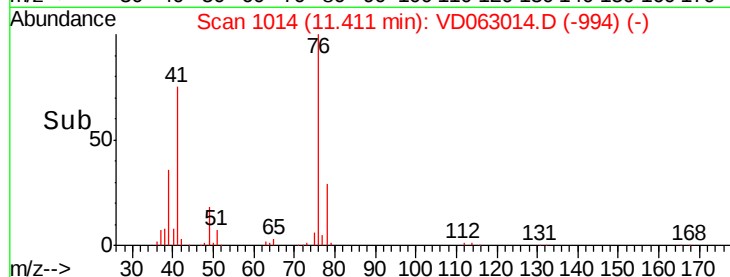
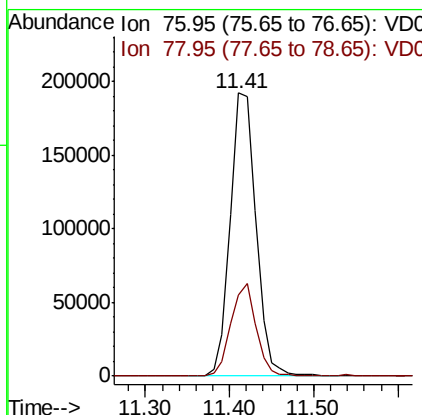
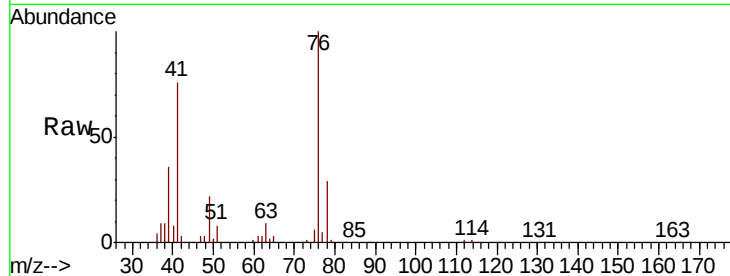




#57
 1,3-Dichloropropane
 Concen: 57.024 ug/l
 RT: 11.41 min Scan# 1014
 Delta R.T. -0.00 min
 Lab File: VD063014.D
 Acq: 2 Jul 2019 20:39

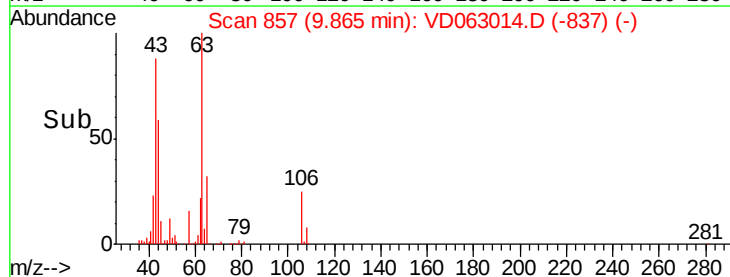
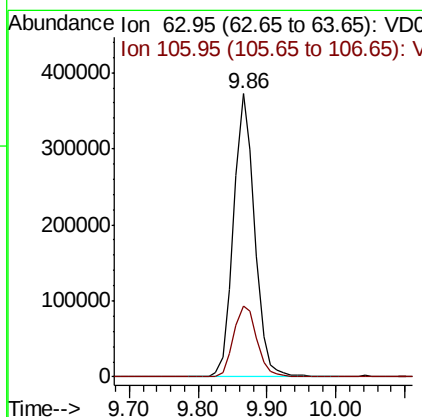
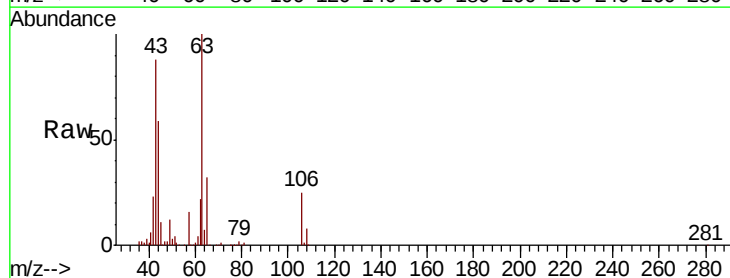
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

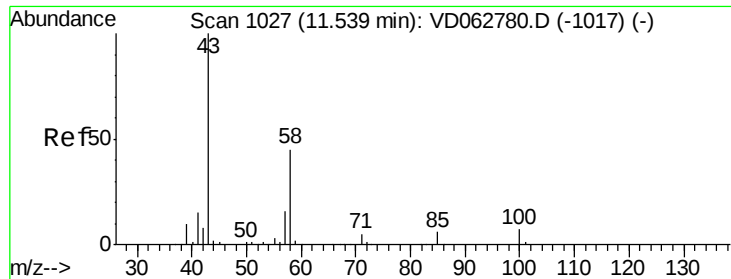
Tot Ion: 76 Resp: 411764
 Ion Ratio Lower Upper
 76 100
 78 28.9 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 304.917 ug/l
 RT: 9.86 min Scan# 857
 Delta R.T. -0.00 min
 Lab File: VD063014.D
 Acq: 2 Jul 2019 20:39

Tgt Ion: 63 Resp: 788944
 Ion Ratio Lower Upper
 63 100
 106 25.2 22.1 33.1

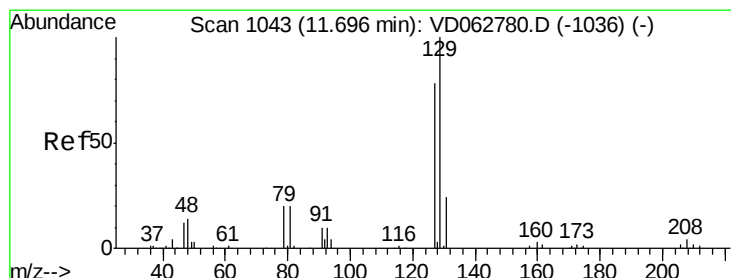
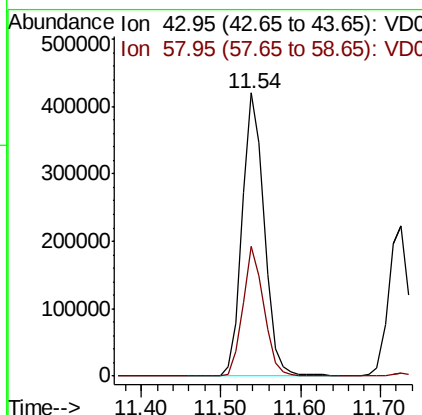
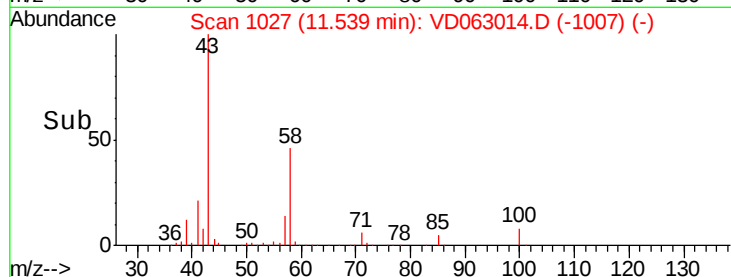
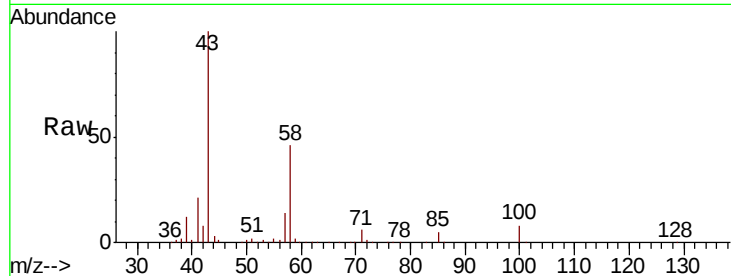




#59
2-Hexanone
Concen: 298.189 ug/l
RT: 11.54 min Scan# 1027
Delta R.T. -0.00 min
Lab File: VD063014.D
Acq: 2 Jul 2019 20:39

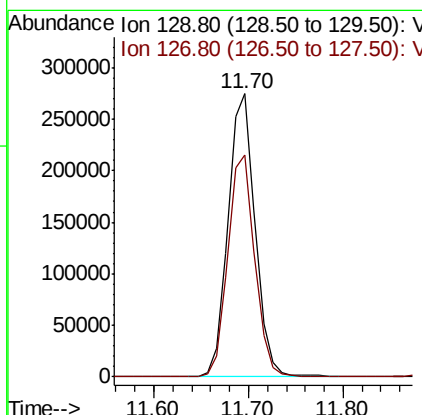
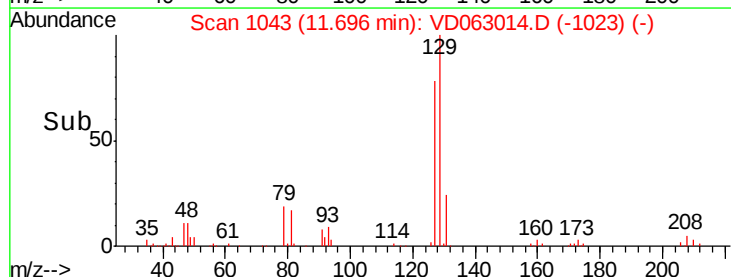
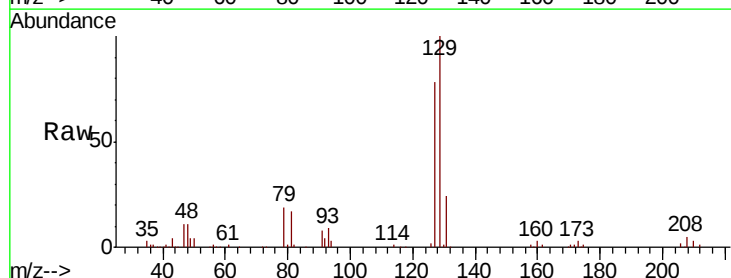
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

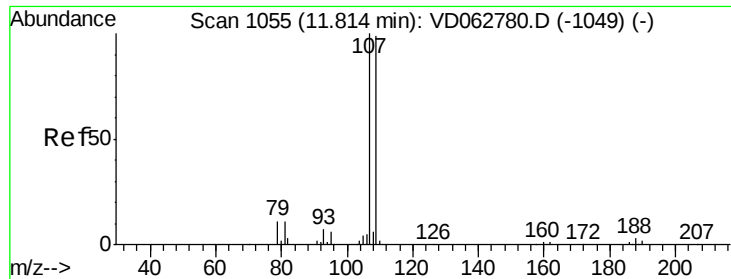
Tot Ion: 43 Resp: 803033
Ion Ratio Lower Upper
43 100
58 46.1 22.4 67.2



#60
Dibromochloromethane
Concen: 61.643 ug/l
RT: 11.70 min Scan# 1043
Delta R.T. -0.00 min
Lab File: VD063014.D
Acq: 2 Jul 2019 20:39

Tgt Ion: 129 Resp: 541483
Ion Ratio Lower Upper
129 100
127 78.3 38.9 116.6

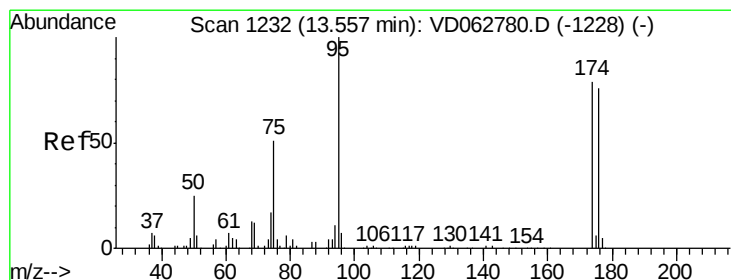
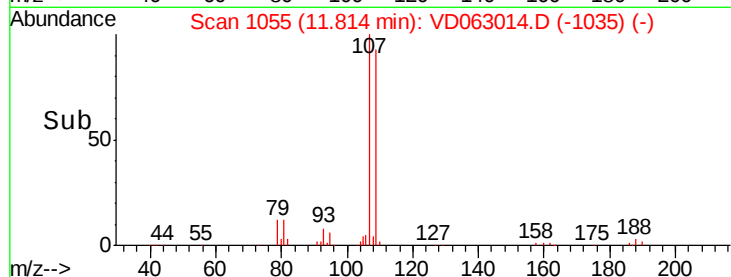
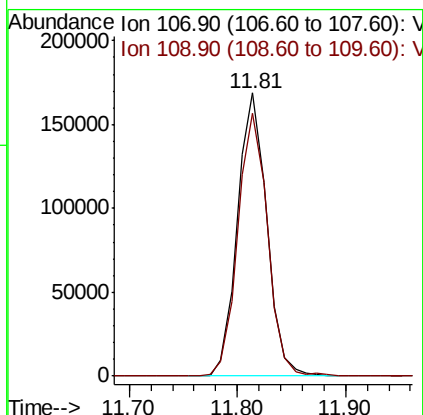
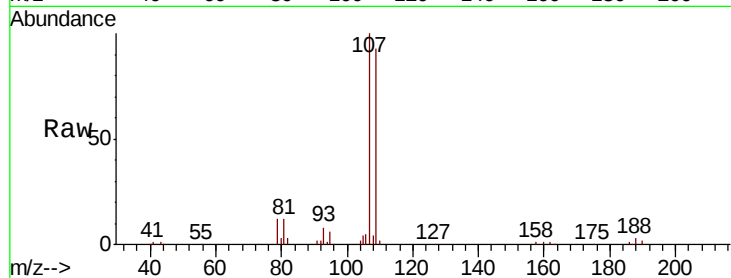




#61
 1,2-Dibromoethane
 Concen: 56.970 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. -0.00 min
 Lab File: VD063014.D
 Acq: 2 Jul 2019 20:39

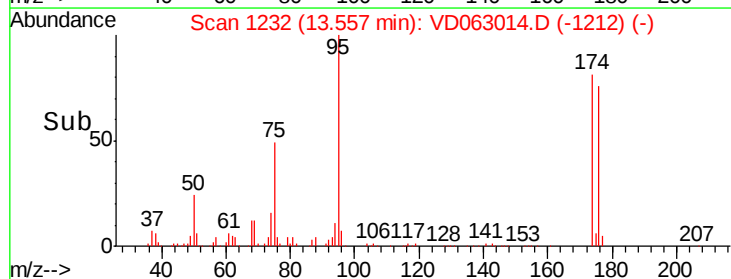
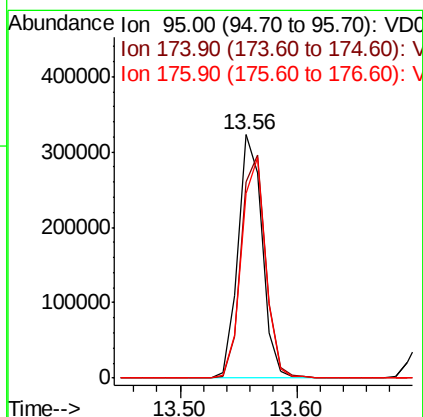
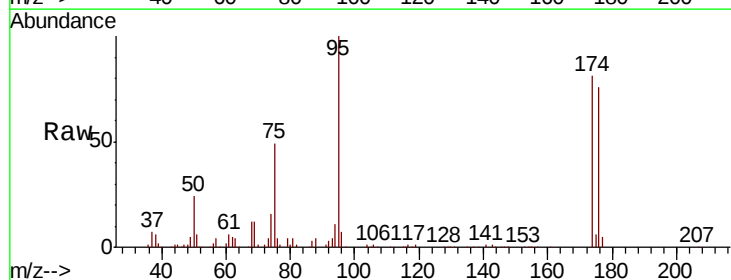
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

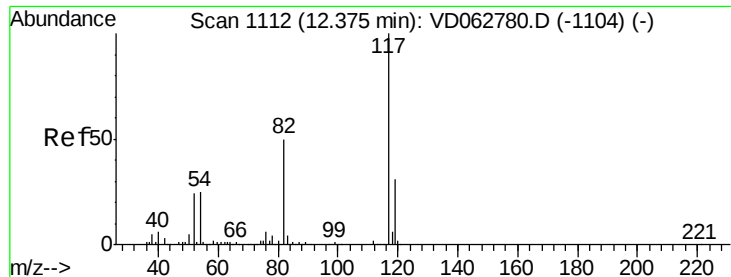
Tot Ion:107 Resp: 317308
 Ion Ratio Lower Upper
 107 100
 109 92.7 79.3 118.9



#62
 4-Bromofluorobenzene
 Concen: 51.765 ug/l
 RT: 13.56 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VD063014.D
 Acq: 2 Jul 2019 20:39

Tgt Ion: 95 Resp: 464212
 Ion Ratio Lower Upper
 95 100
 174 80.6 0.0 158.0
 176 76.1 0.0 151.6

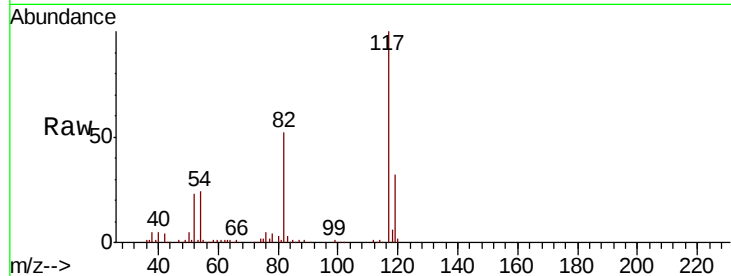




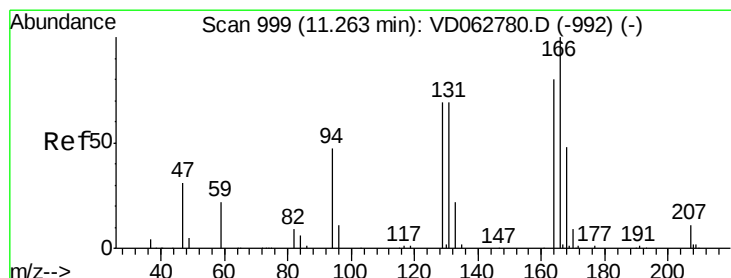
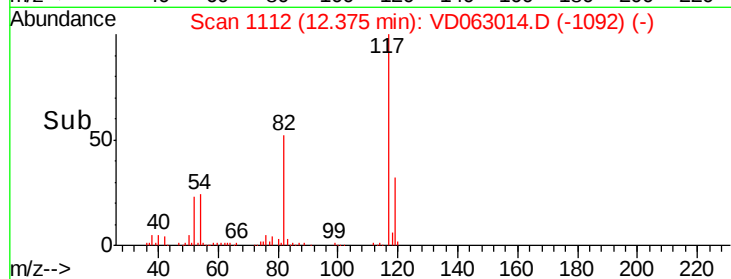
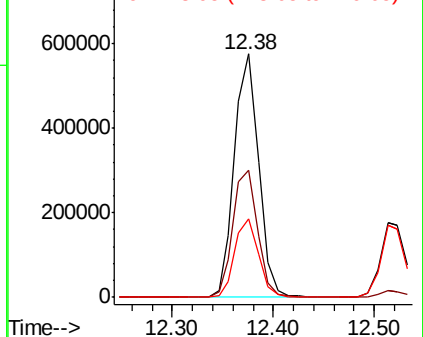
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD063014.D
Acq: 2 Jul 2019 20:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 965864
Ion Ratio Lower Upper
117 100
82 52.5 40.4 60.6
119 32.4 25.2 37.8

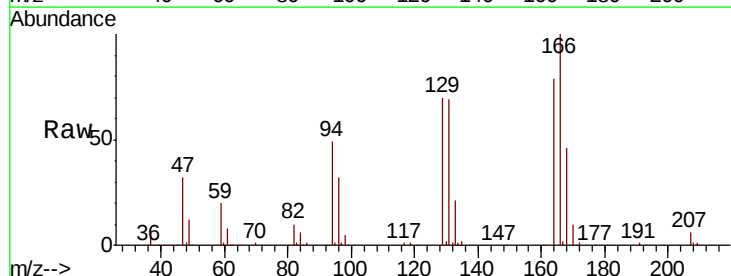


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

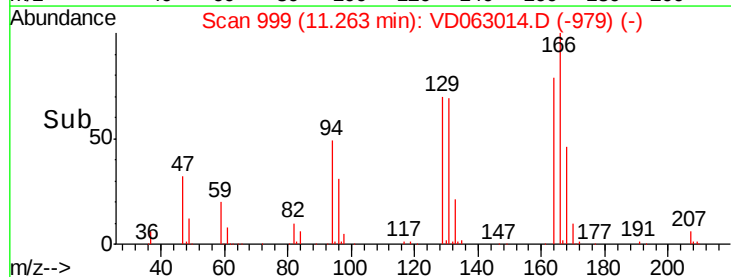
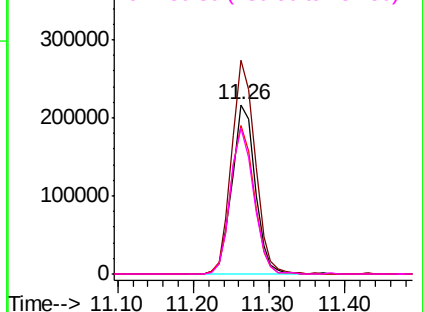


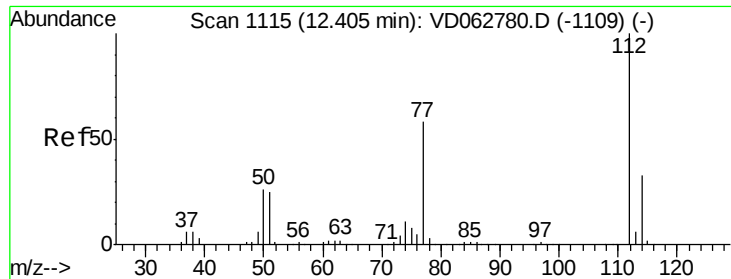
#64
Tetrachloroethene
Concen: 57.641 ug/l
RT: 11.26 min Scan# 999
Delta R.T. -0.00 min
Lab File: VD063014.D
Acq: 2 Jul 2019 20:39

Tgt Ion:164 Resp: 458204
Ion Ratio Lower Upper
164 100
166 126.4 100.6 150.8
129 88.3 69.4 104.0
131 86.7 69.3 103.9



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

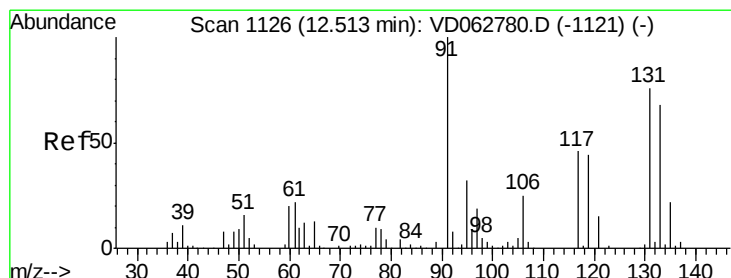
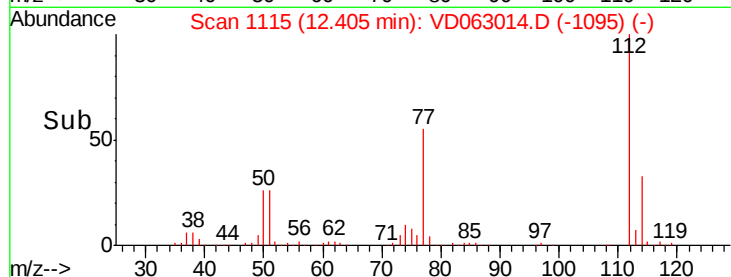
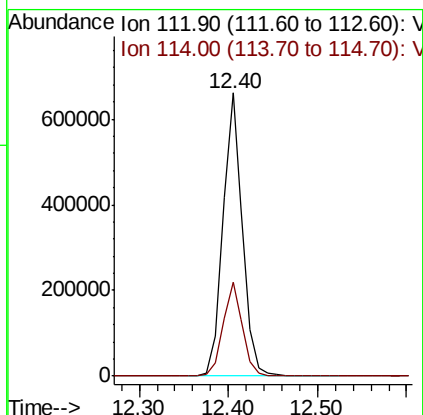
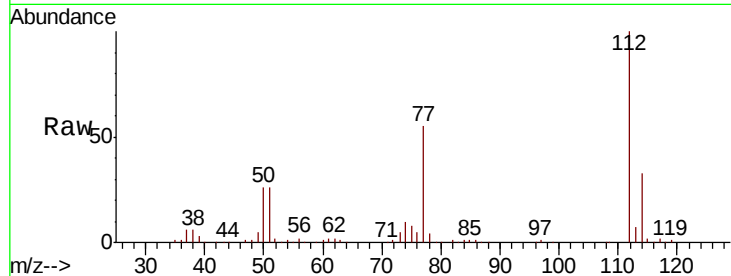




#65
Chlorobenzene
Concen: 56.597 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. -0.00 min
Lab File: VD063014.D
Acq: 2 Jul 2019 20:39

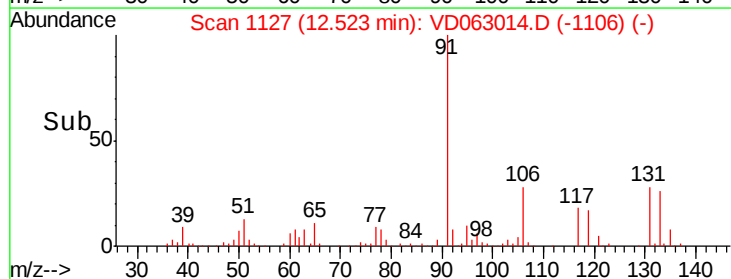
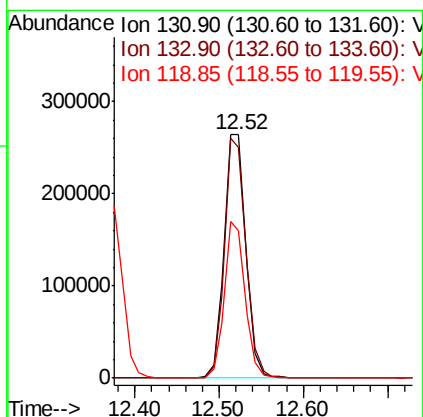
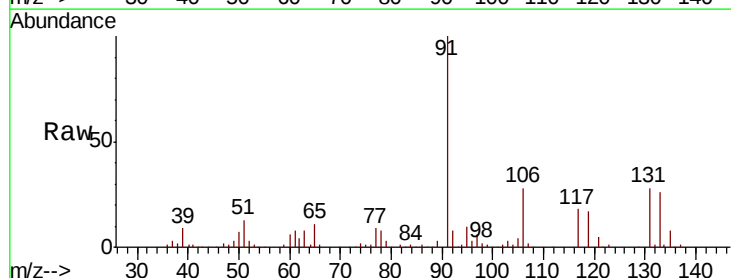
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 1014527
Ion Ratio Lower Upper
112 100
114 33.0 26.3 39.5



#66
1,1,1,2-Tetrachloroethane
Concen: 56.577 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD063014.D
Acq: 2 Jul 2019 20:39

Tgt Ion:131 Resp: 474283
Ion Ratio Lower Upper
131 100
133 94.9 44.5 133.3
119 60.6 28.6 85.9

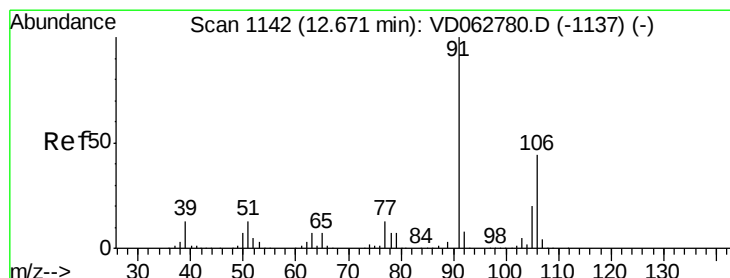
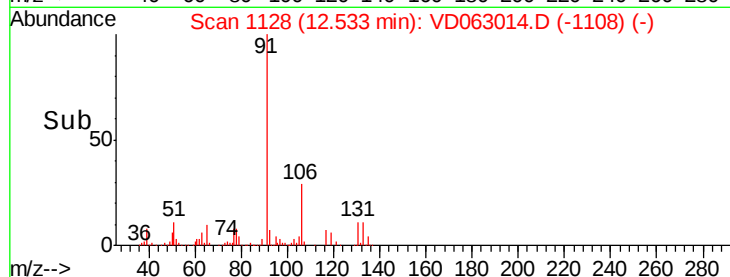
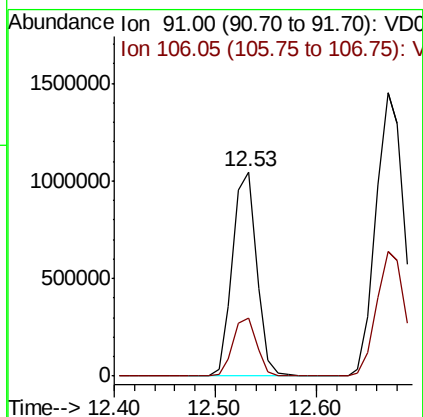
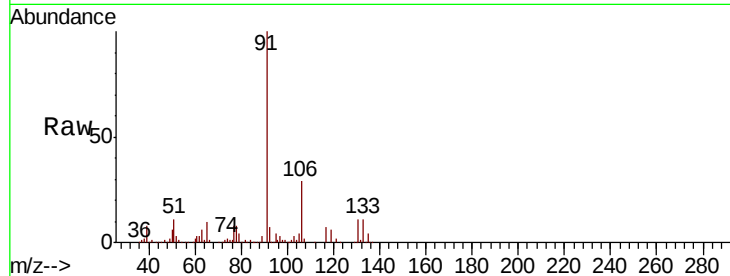




#67
Ethyl Benzene
Concen: 54.350 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VD063014.D
Acq: 2 Jul 2019 20:39

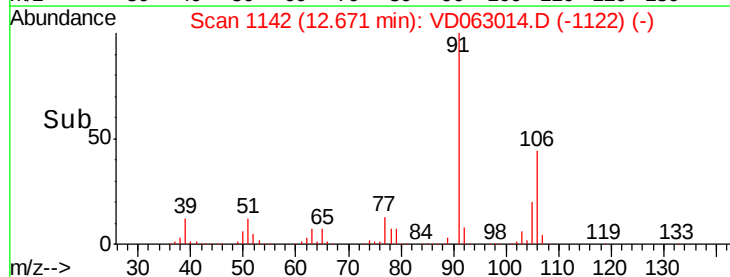
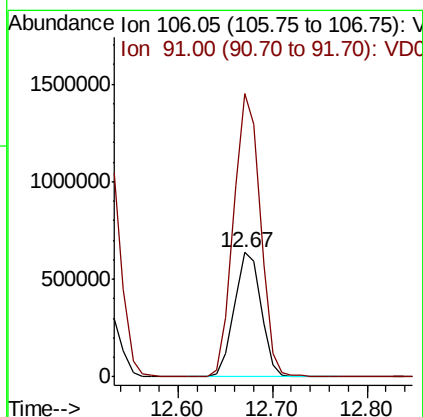
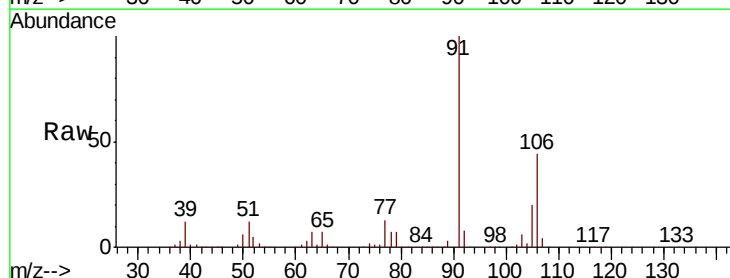
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1749137
Ion Ratio Lower Upper
91 100
106 28.7 23.1 34.7



#68
m/p-Xylenes
Concen: 112.058 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VD063014.D
Acq: 2 Jul 2019 20:39

Tgt Ion: 106 Resp: 1256062
Ion Ratio Lower Upper
106 100
91 227.6 183.0 274.6

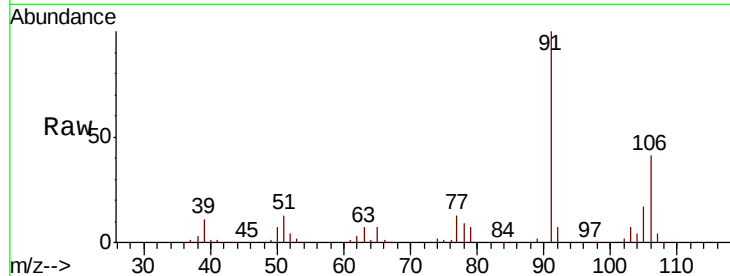




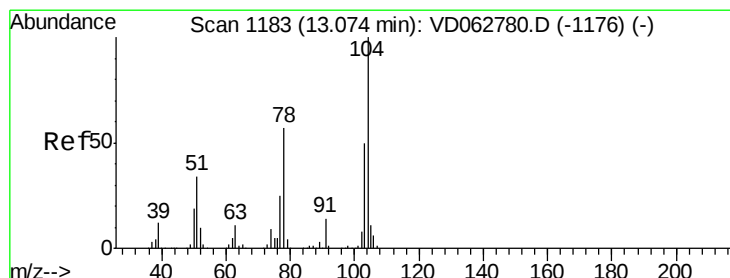
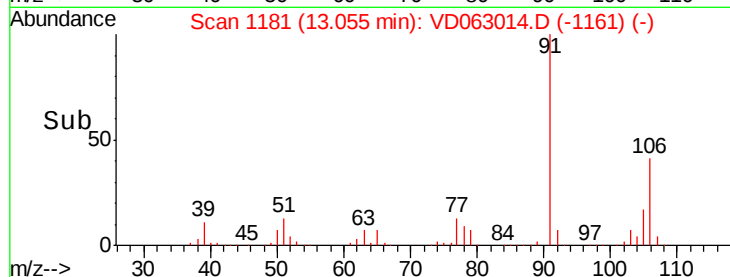
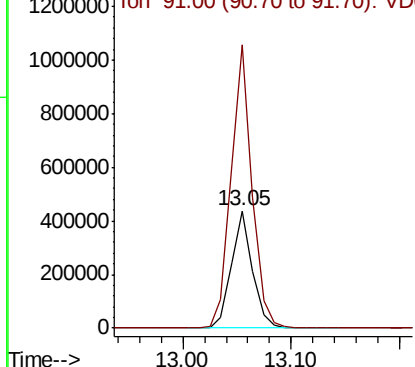
#69
o-Xylene
Concen: 57.735 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD063014.D
Acq: 2 Jul 2019 20:39

Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050EC

Tot Ion:106 Resp: 591593
Ion Ratio Lower Upper
106 100
91 241.4 117.9 353.6

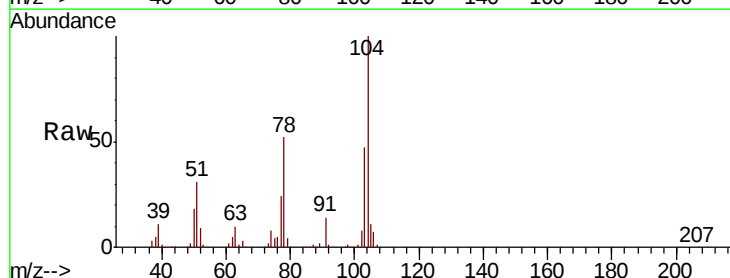


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

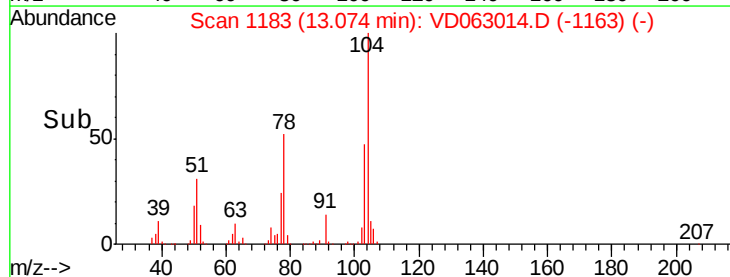
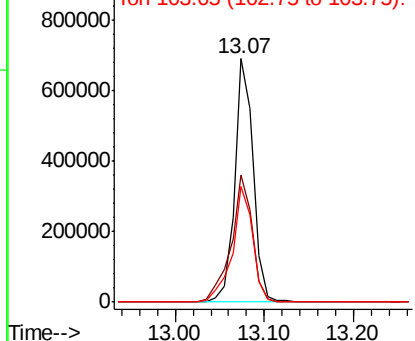


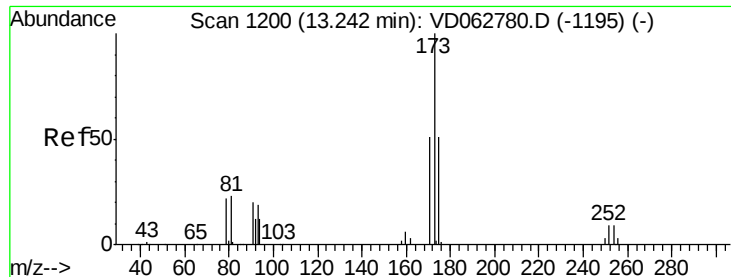
#70
Styrene
Concen: 55.916 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD063014.D
Acq: 2 Jul 2019 20:39

Tgt Ion:104 Resp: 1006378
Ion Ratio Lower Upper
104 100
78 52.5 45.4 68.2
103 47.5 39.7 59.5



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: 60.378 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VD063014.D

Acq: 2 Jul 2019 20:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

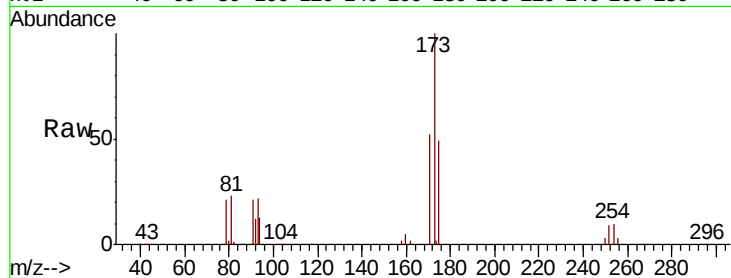
Tot Ion:173 Resp: 346783

Ion Ratio Lower Upper

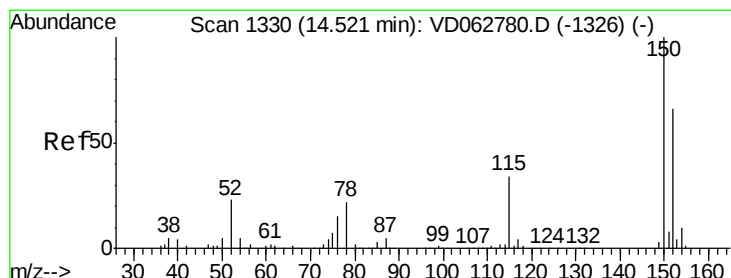
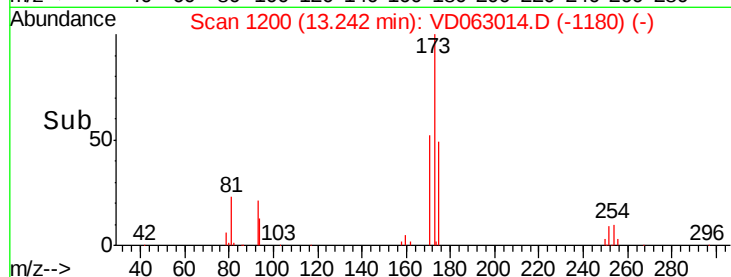
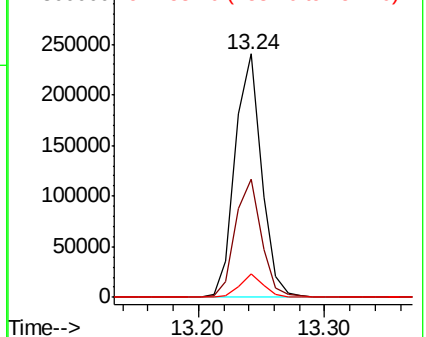
173 100

175 48.7 25.3 75.9

254 9.6 7.1 10.7



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VD063014.D

Acq: 2 Jul 2019 20:39

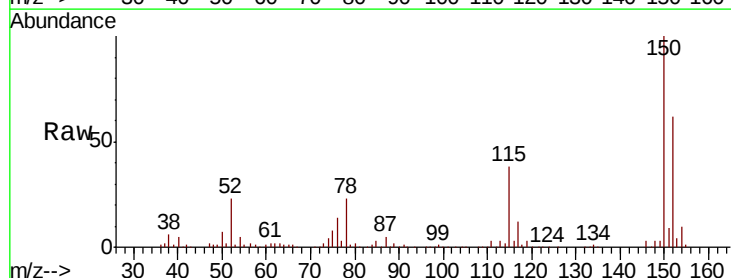
Tgt Ion:152 Resp: 517958

Ion Ratio Lower Upper

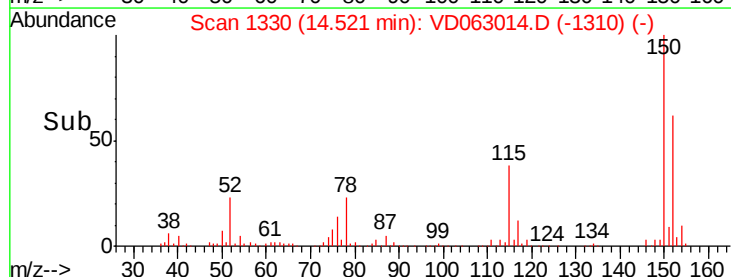
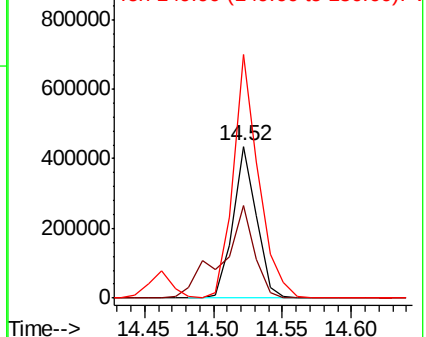
152 100

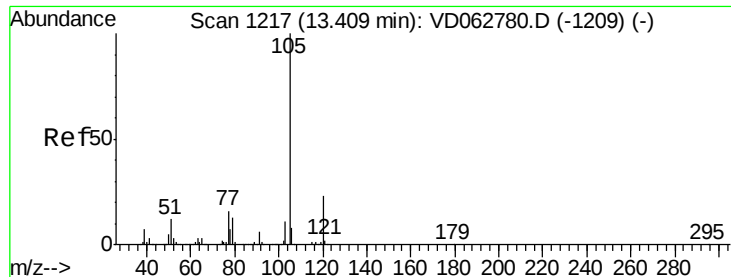
115 61.1 29.2 87.6

150 160.3 0.0 305.8



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





#73

Isopropylbenzene

Concen: 55.572 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VD063014.D

Acq: 2 Jul 2019 20:39

Instrument :

MSVOA_D

ClientSampleId :

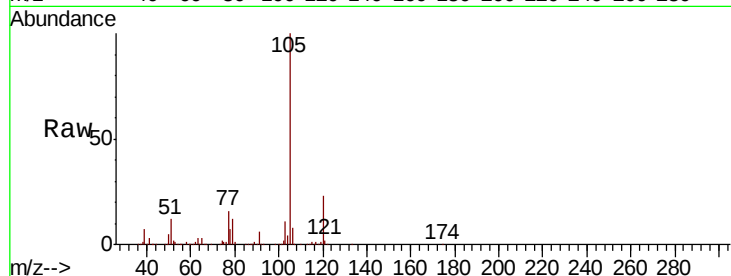
VSTDCCC050EC

Tot Ion:105 Resp: 1845573

Ion Ratio Lower Upper

105 100

120 23.3 11.6 34.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.41

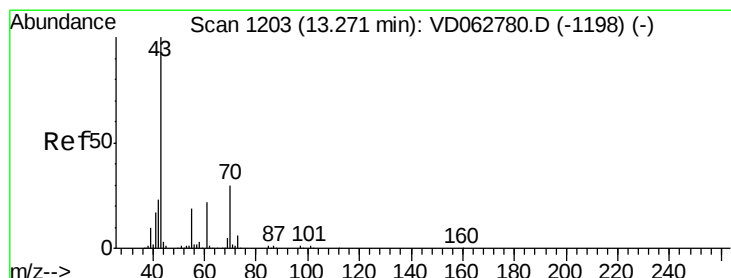
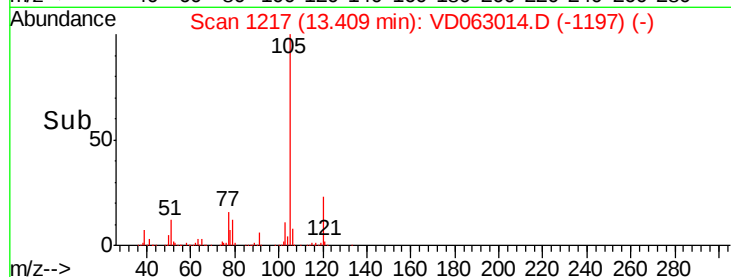
1500000

1000000

500000

0

Time--> 13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 59.283 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VD063014.D

Acq: 2 Jul 2019 20:39

Tgt Ion: 43 Resp: 478124

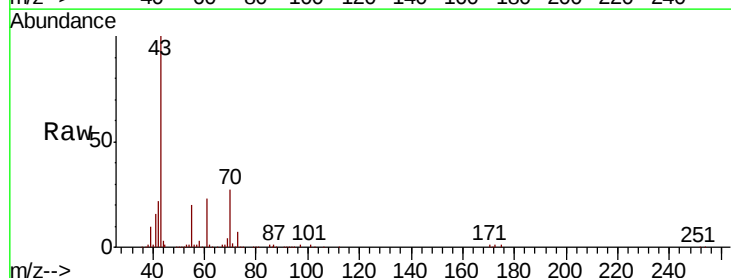
Ion Ratio Lower Upper

43 100

70 27.4 24.4 36.6

55 19.6 15.2 22.8

61 23.0 17.4 26.2



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

500000

400000

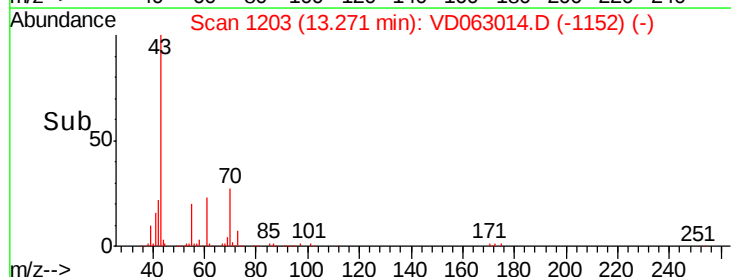
300000

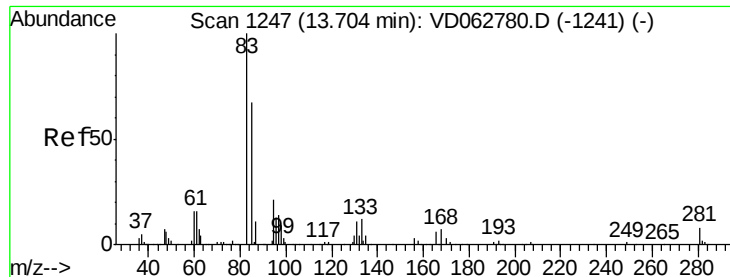
200000

100000

0

Time--> 13.20 13.30 13.40





#75

1,1,2,2-Tetrachloroethane

Concen: 59.244 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VD063014.D

Acq: 2 Jul 2019 20:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

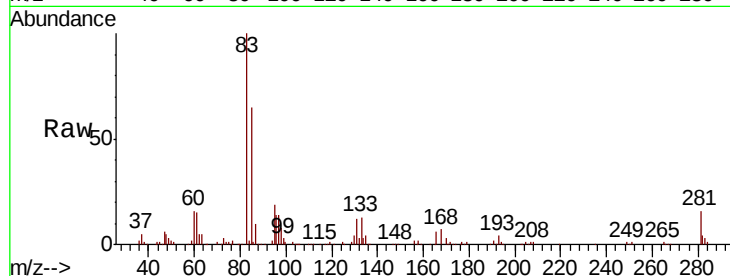
Tot Ion: 83 Resp: 320574

Ion Ratio Lower Upper

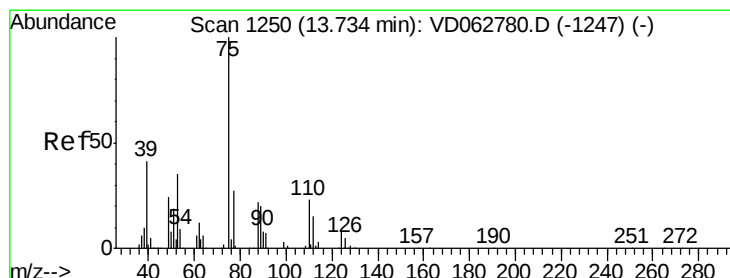
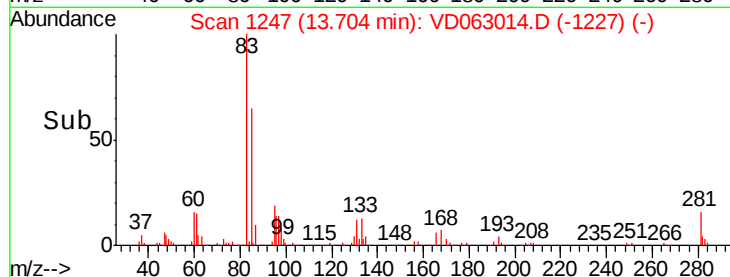
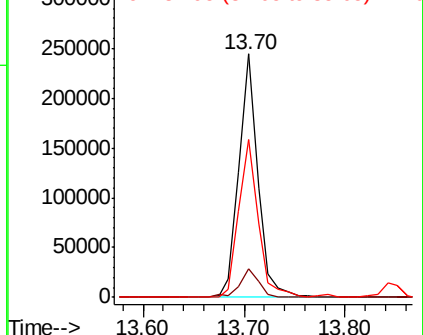
83 100

131 11.8 5.3 16.1

85 65.1 33.7 101.1



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 130.90 (130.60 to 131.60): VDC
Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 61.727 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VD063014.D

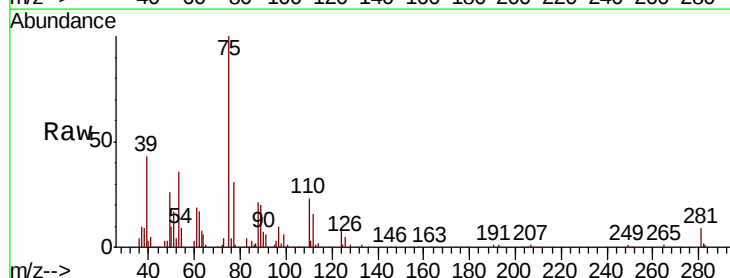
Acq: 2 Jul 2019 20:39

Tgt Ion: 75 Resp: 369094

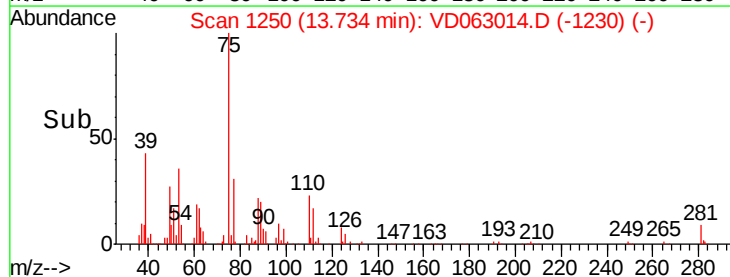
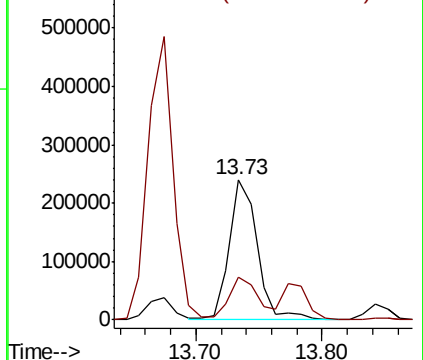
Ion Ratio Lower Upper

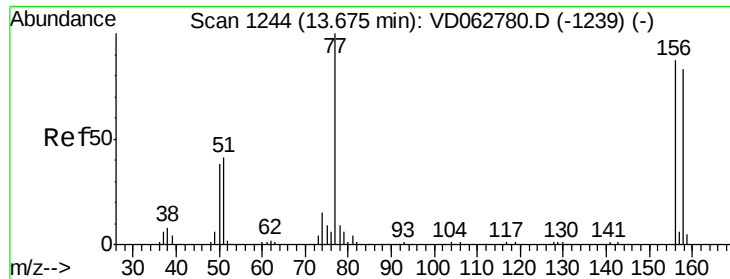
75 100

77 30.7 15.0 45.1



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 60.175 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. -0.00 min

Lab File: VD063014.D

Acq: 2 Jul 2019 20:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

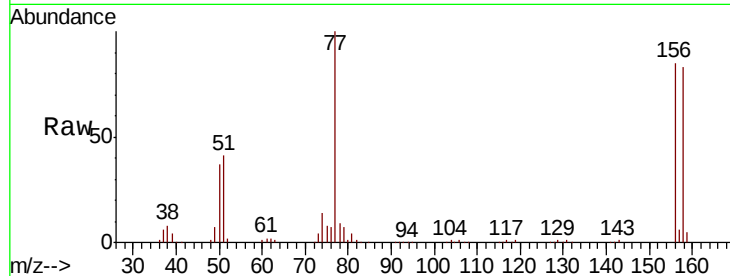
Tot Ion:156 Resp: 537527

Ion Ratio Lower Upper

156 100

77 117.9 57.7 173.1

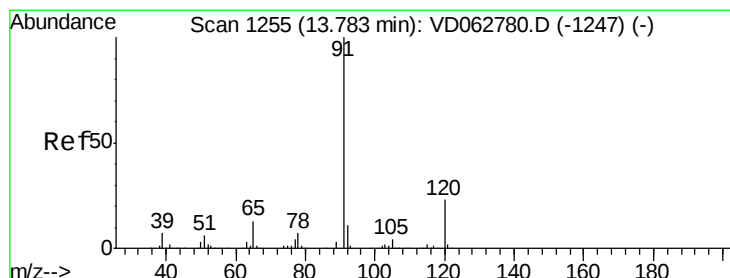
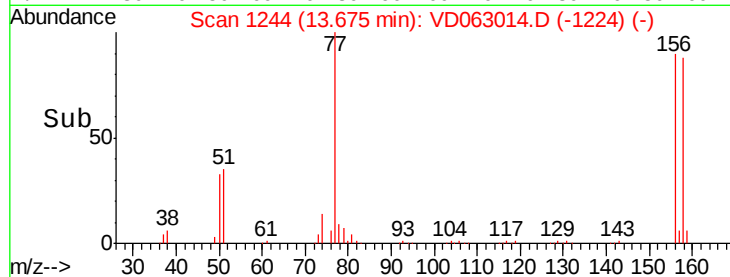
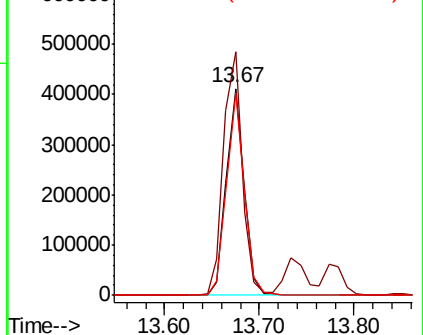
158 98.3 47.7 143.1



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 58.256 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.01 min

Lab File: VD063014.D

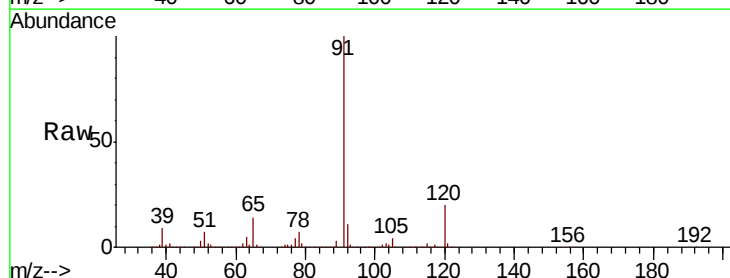
Acq: 2 Jul 2019 20:39

Tgt Ion: 91 Resp: 2251828

Ion Ratio Lower Upper

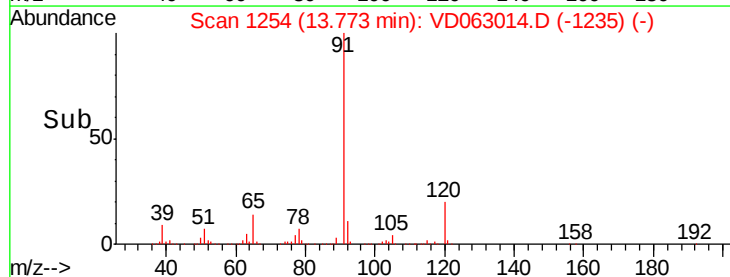
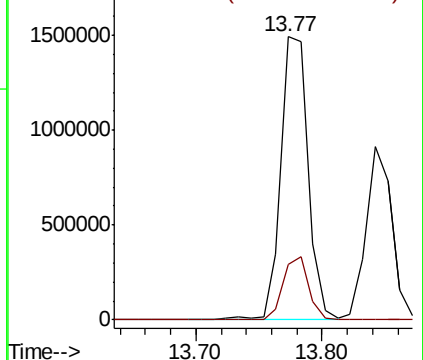
91 100

120 19.7 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

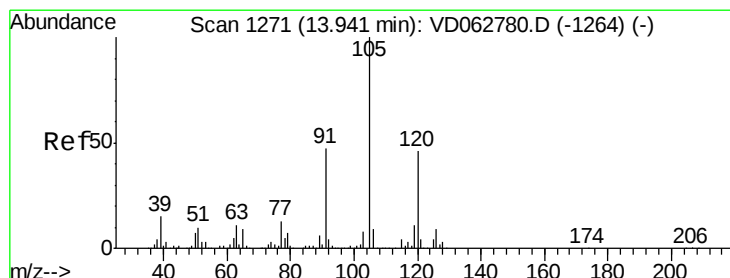
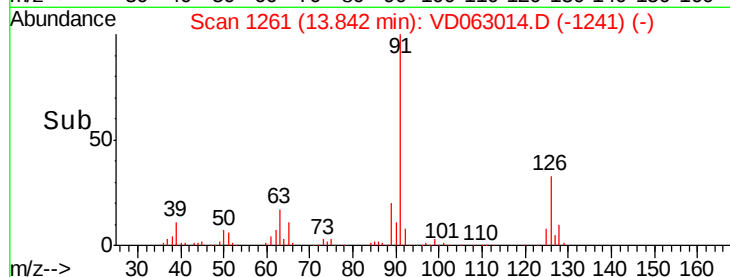
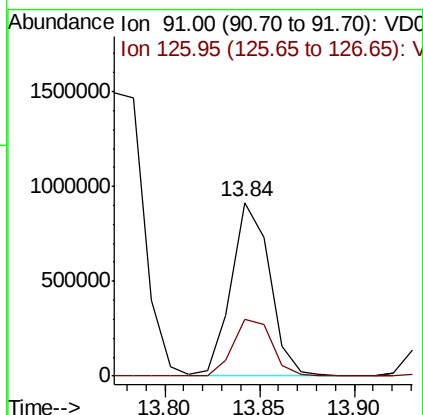
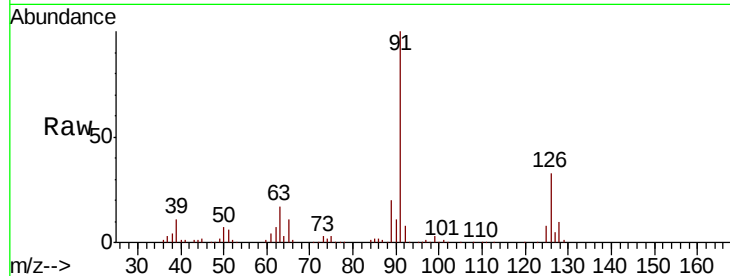




#79
 2-Chlorotoluene
 Concen: 57.965 ug/l
 RT: 13.84 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VD063014.D
 Acq: 2 Jul 2019 20:39

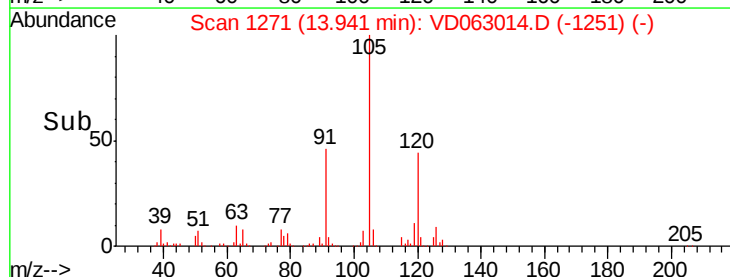
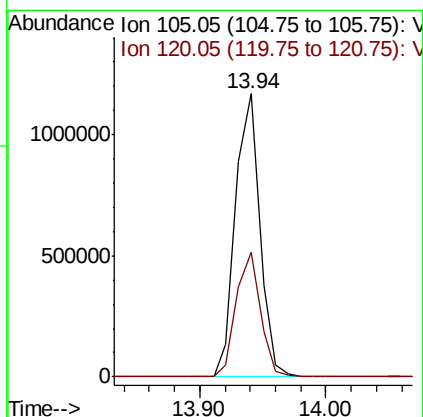
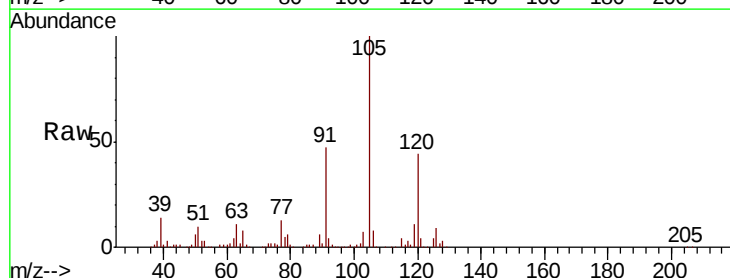
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

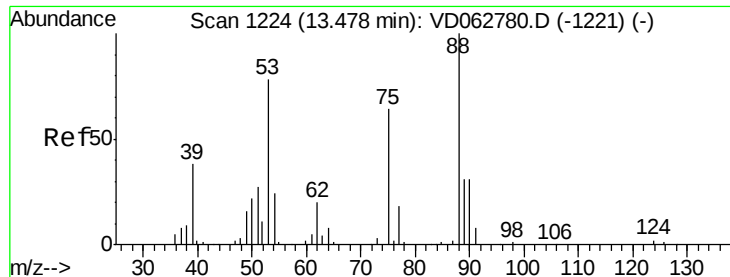
Tot Ion: 91 Resp: 1280448
 Ion Ratio Lower Upper
 91 100
 126 32.8 15.7 47.1



#80
 1,3,5-Trimethylbenzene
 Concen: 55.858 ug/l
 RT: 13.94 min Scan# 1271
 Delta R.T. -0.00 min
 Lab File: VD063014.D
 Acq: 2 Jul 2019 20:39

Tgt Ion: 105 Resp: 1558194
 Ion Ratio Lower Upper
 105 100
 120 44.2 23.1 69.2





#81

trans-1,4-Dichloro-2-butene

Concen: 60.968 ug/l

RT: 13.48 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VD063014.D

Acq: 2 Jul 2019 20:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

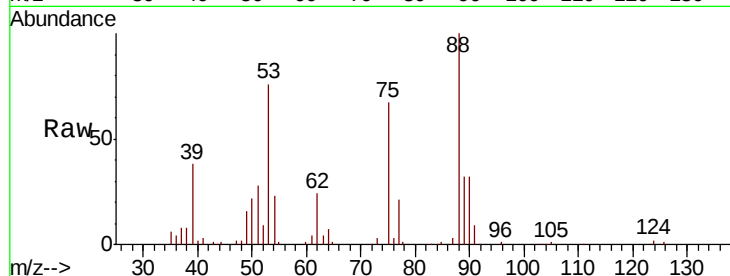
Tot Ion: 75 Resp: 95544

Ion Ratio Lower Upper

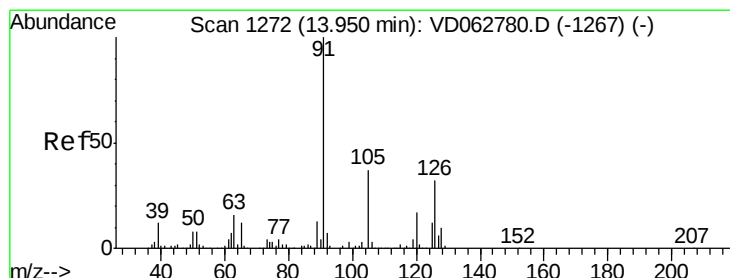
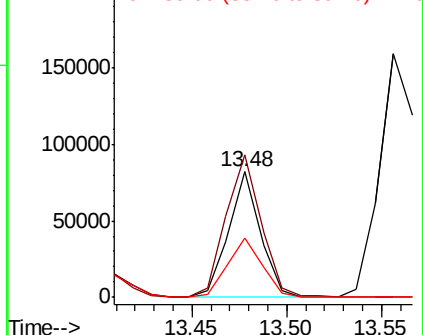
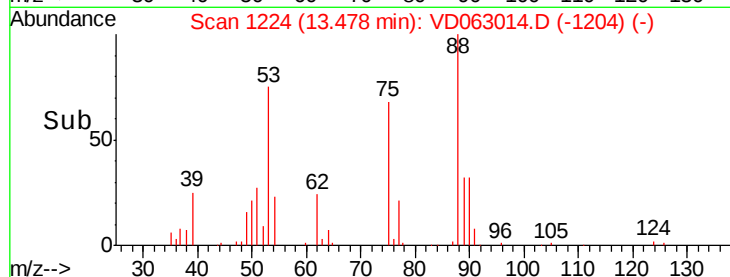
75 100

53 113.5 97.8 146.8

89 46.8 39.4 59.2



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 55.813 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VD063014.D

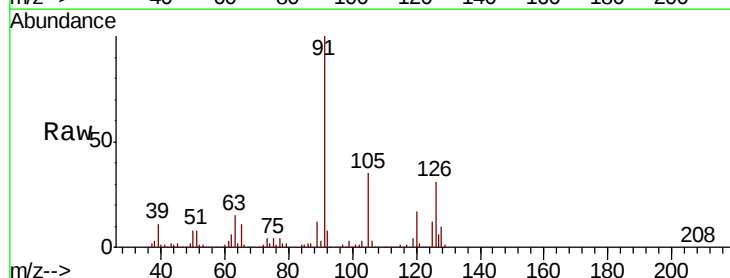
Acq: 2 Jul 2019 20:39

Tgt Ion: 91 Resp: 1484321

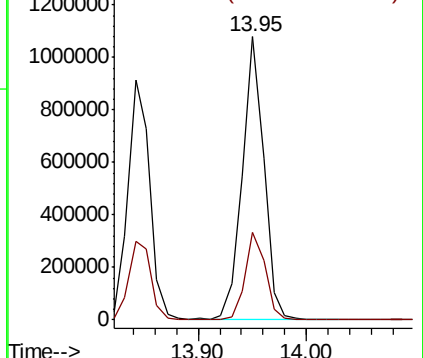
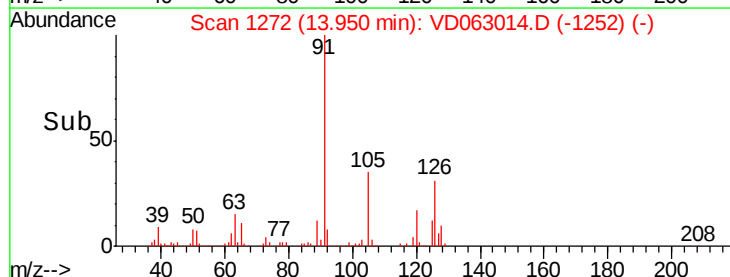
Ion Ratio Lower Upper

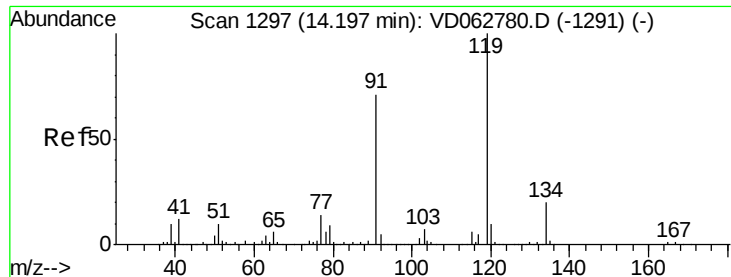
91 100

126 30.9 16.0 47.9



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.95 (125.65 to 126.65): V

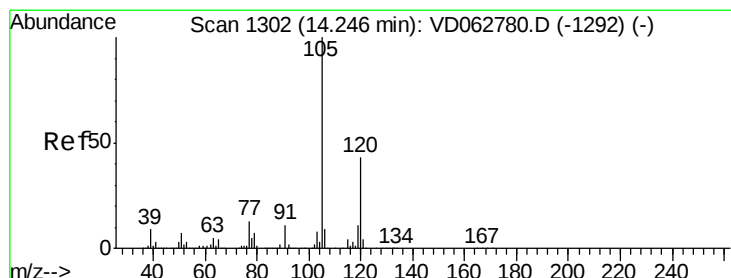
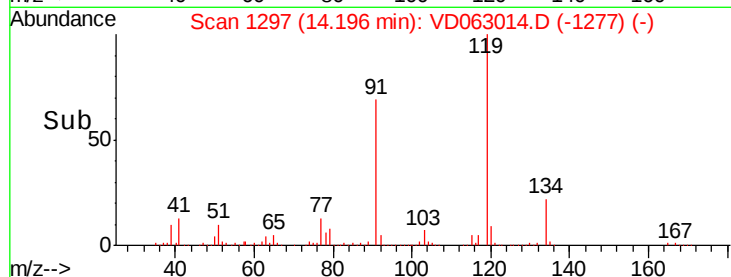
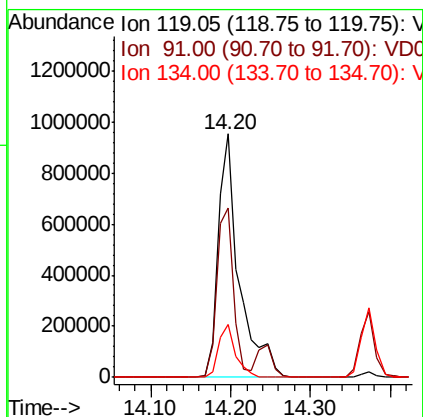
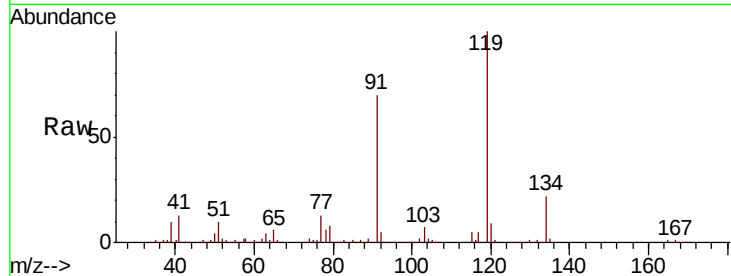




#83
tert-Butylbenzene
Concen: 56.451 ug/l
RT: 14.20 min Scan# 1297
Delta R.T. -0.00 min
Lab File: VD063014.D
Acq: 2 Jul 2019 20:39

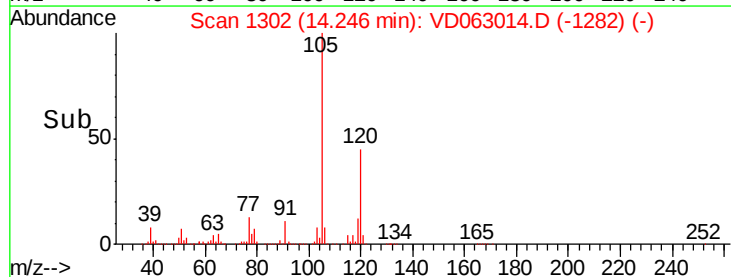
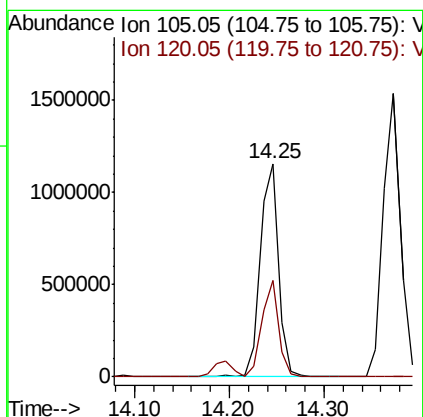
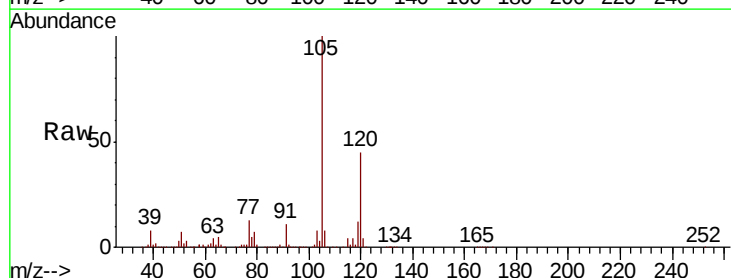
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

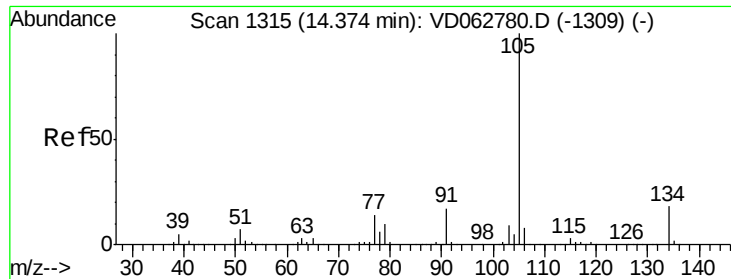
Tot Ion:119 Resp: 1755264
Ion Ratio Lower Upper
119 100
91 69.7 35.5 106.5
134 21.6 10.2 30.6



#84
1,2,4-Trimethylbenzene
Concen: 54.598 ug/l
RT: 14.25 min Scan# 1302
Delta R.T. -0.00 min
Lab File: VD063014.D
Acq: 2 Jul 2019 20:39

Tgt Ion:105 Resp: 1561041
Ion Ratio Lower Upper
105 100
120 44.9 21.3 63.9

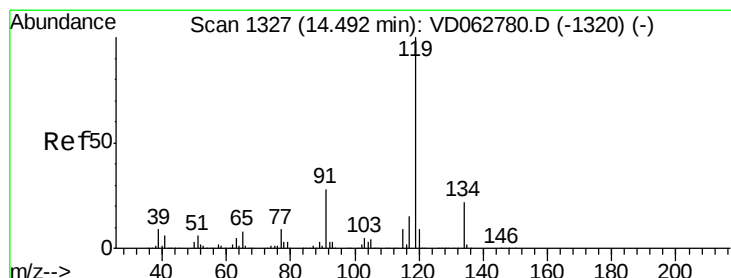
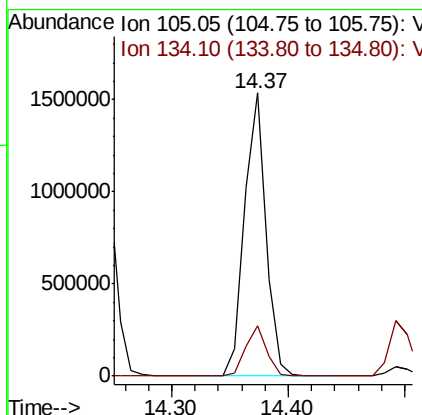
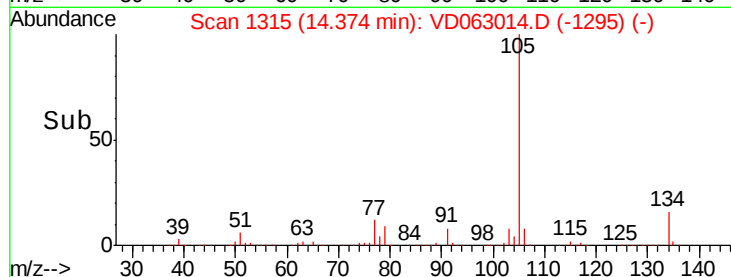
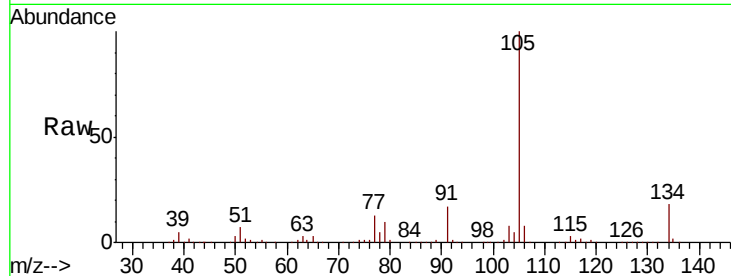




#85
 sec-Butylbenzene
 Concen: 57.810 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VD063014.D
 Acq: 2 Jul 2019 20:39

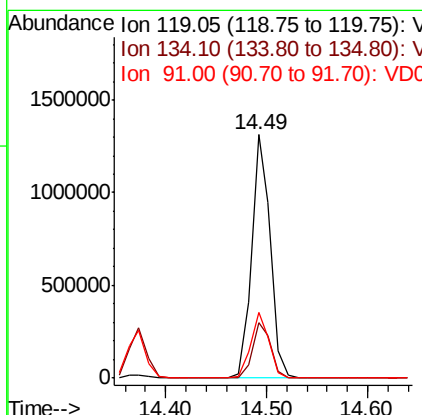
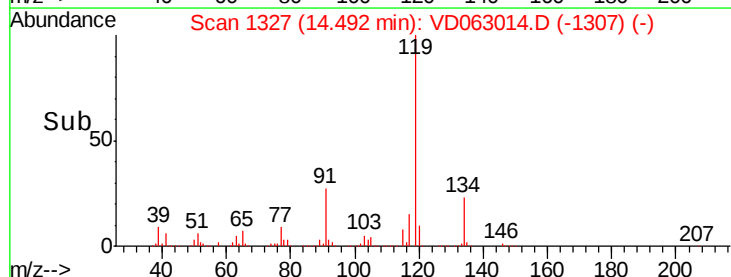
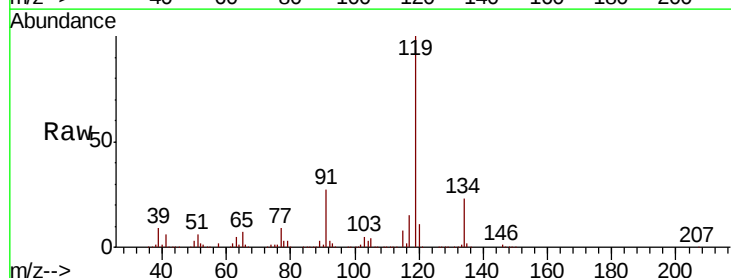
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

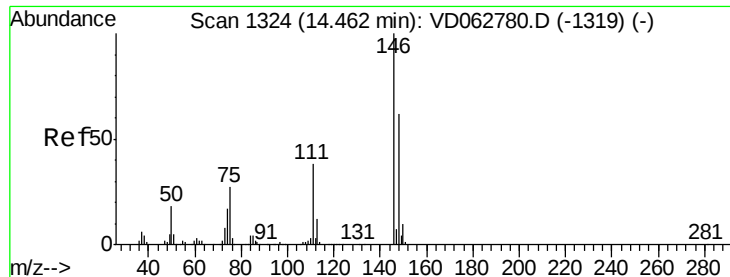
Tot Ion:105 Resp: 1953668
 Ion Ratio Lower Upper
 105 100
 134 17.9 9.1 27.3



#86
 p-Isopropyltoluene
 Concen: 54.908 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. -0.00 min
 Lab File: VD063014.D
 Acq: 2 Jul 2019 20:39

Tgt Ion:119 Resp: 1697595
 Ion Ratio Lower Upper
 119 100
 134 22.7 11.1 33.1
 91 26.9 14.0 41.9

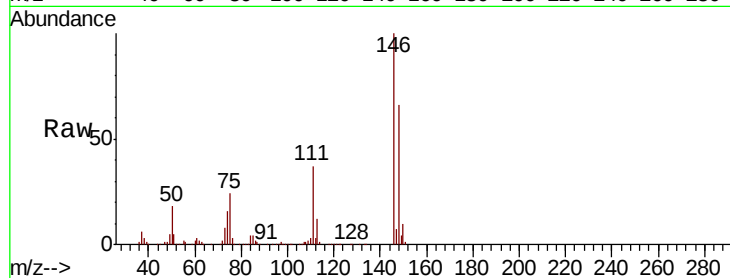




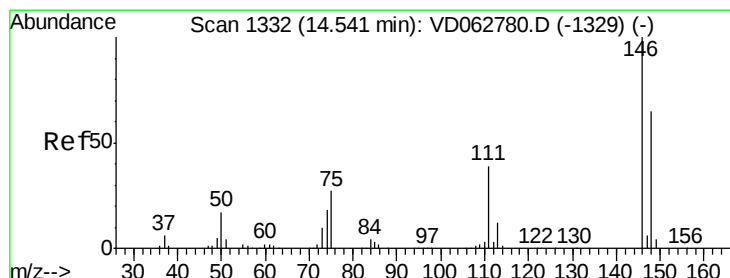
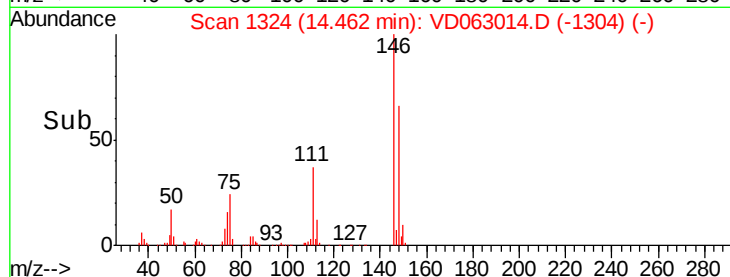
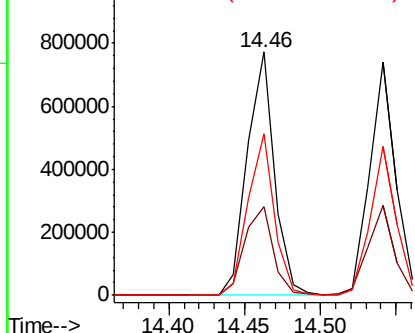
#87
 1,3-Dichlorobenzene
 Concen: 60.338 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VD063014.D
 Acq: 2 Jul 2019 20:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.7	19.0	57.0
148	66.4	30.8	92.3

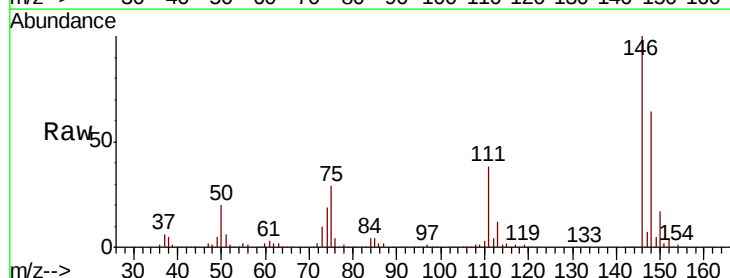


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

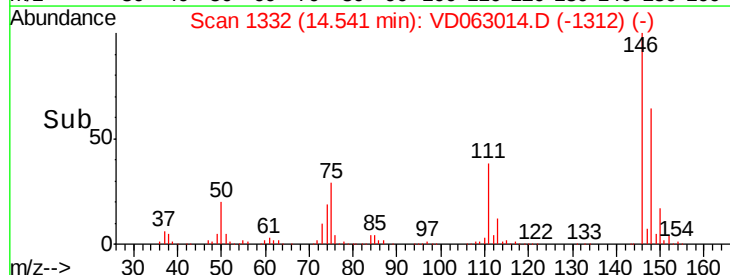
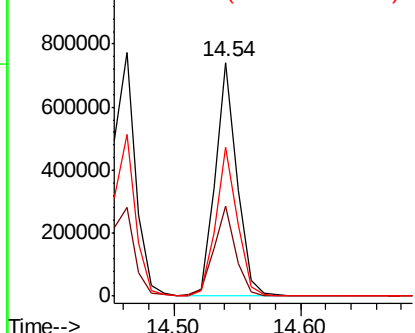


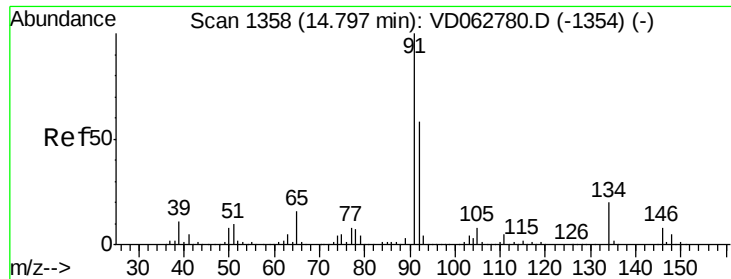
#88
 1,4-Dichlorobenzene
 Concen: 55.157 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: VD063014.D
 Acq: 2 Jul 2019 20:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.7	59.1
148	63.6	32.8	98.3



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

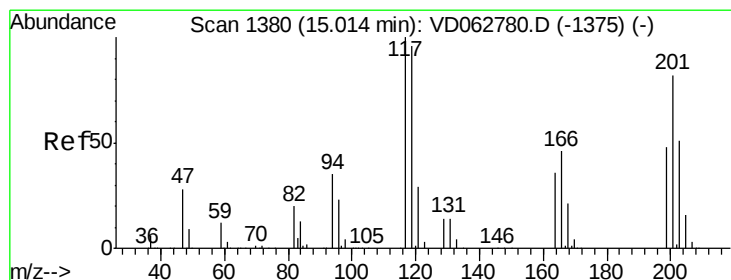
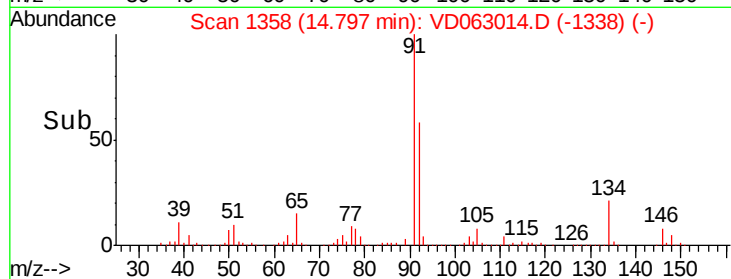
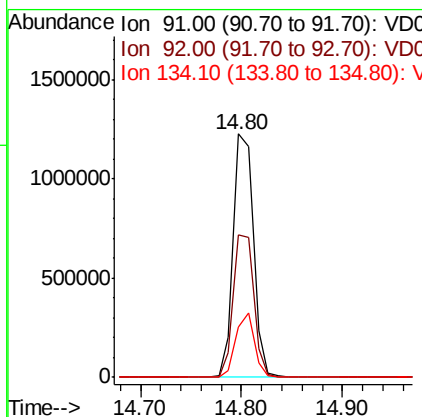
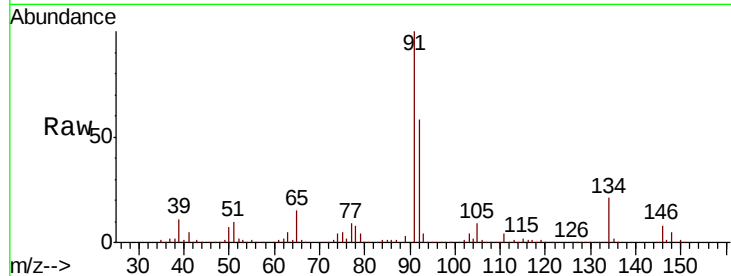




#89
n-Butylbenzene
Concen: 58.674 ug/l
RT: 14.80 min Scan# 1358
Delta R.T. -0.00 min
Lab File: VD063014.D
Acq: 2 Jul 2019 20:39

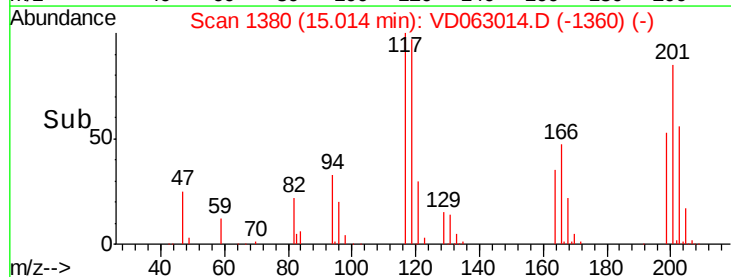
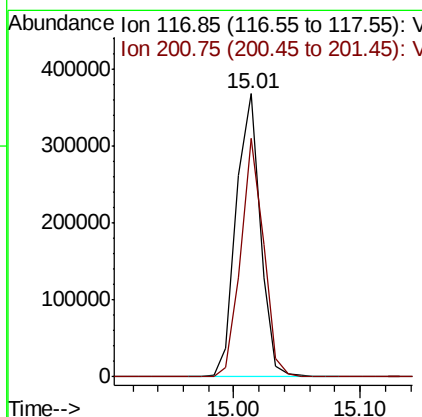
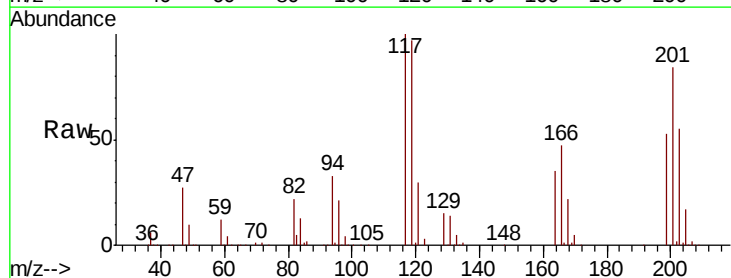
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

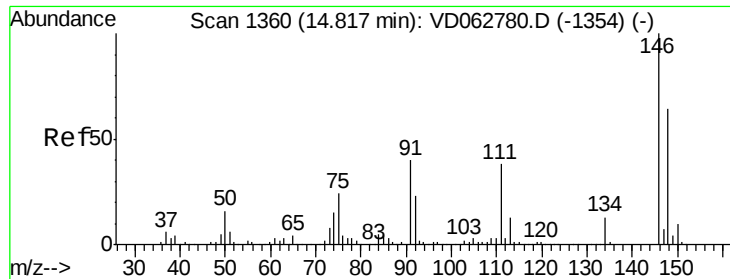
Tot Ion: 91 Resp: 1697841
Ion Ratio Lower Upper
91 100
92 58.3 28.9 86.7
134 20.9 10.1 30.3



#90
Hexachloroethane
Concen: 58.411 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. -0.00 min
Lab File: VD063014.D
Acq: 2 Jul 2019 20:39

Tgt Ion: 117 Resp: 485549
Ion Ratio Lower Upper
117 100
201 84.2 40.8 122.2

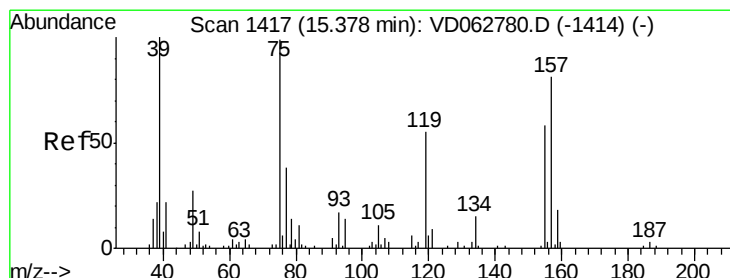
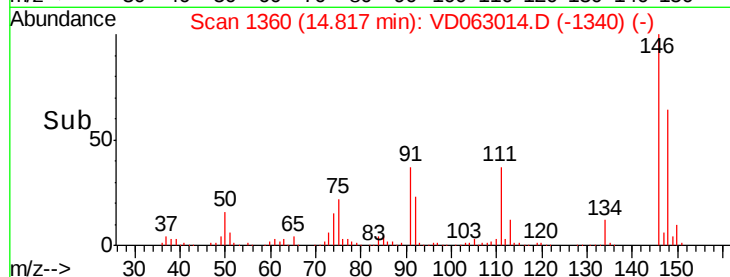
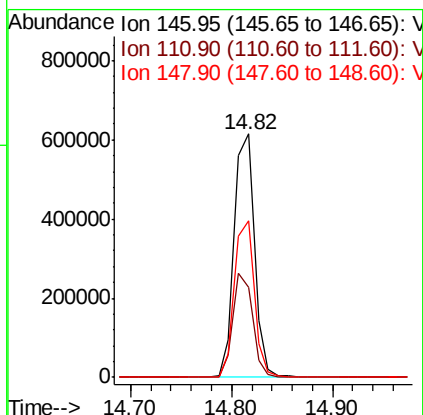
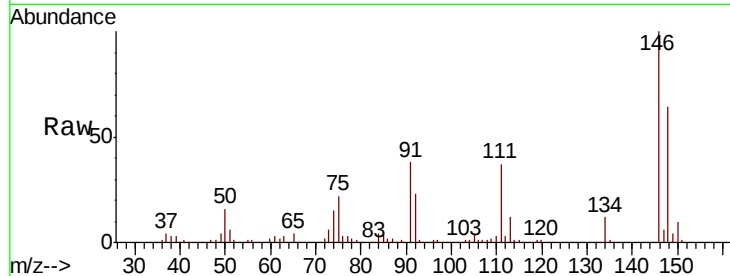




#91
 1,2-Dichlorobenzene
 Concen: 62.620 ug/l
 RT: 14.82 min Scan# 1360
 Delta R.T. -0.00 min
 Lab File: VD063014.D
 Acq: 2 Jul 2019 20:39

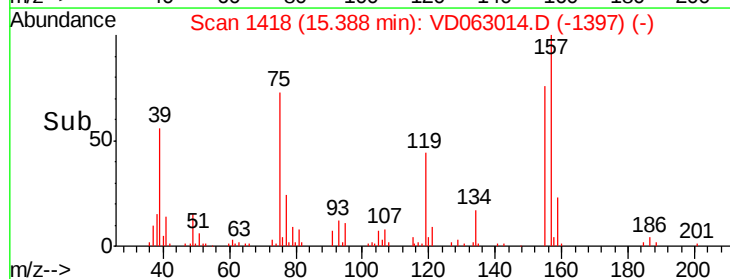
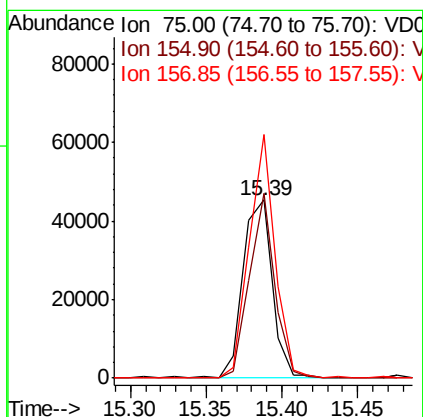
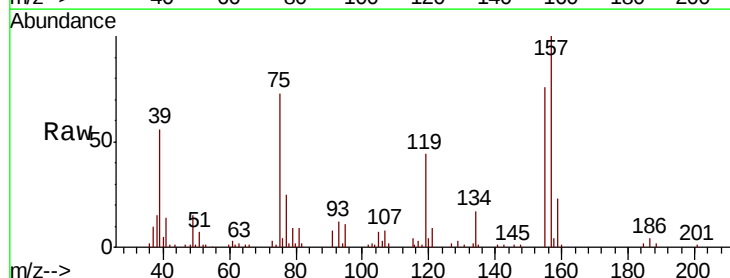
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

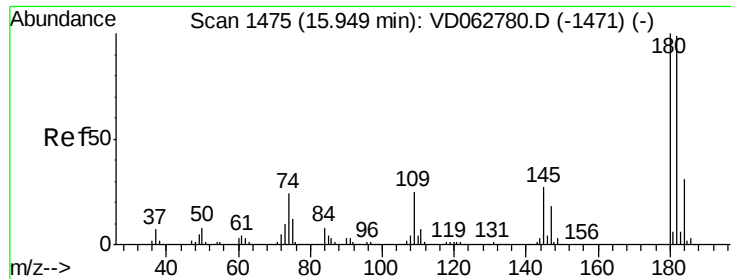
Tot Ion:146 Resp: 857886
 Ion Ratio Lower Upper
 146 100
 111 37.2 19.1 57.1
 148 64.4 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 57.897 ug/l
 RT: 15.39 min Scan# 1418
 Delta R.T. 0.01 min
 Lab File: VD063014.D
 Acq: 2 Jul 2019 20:39

Tgt Ion: 75 Resp: 61147
 Ion Ratio Lower Upper
 75 100
 155 103.8 29.3 87.8#
 157 136.8 41.3 123.7#

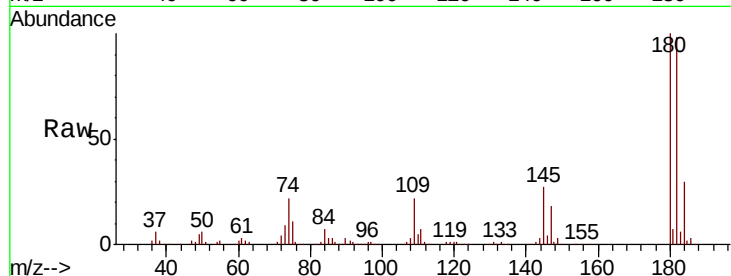




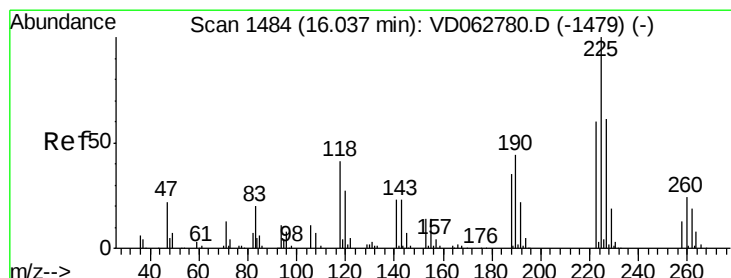
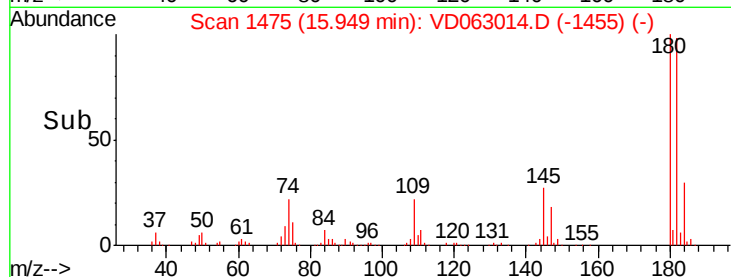
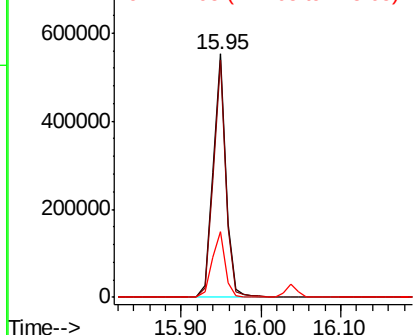
#93
 1,2,4-Trichlorobenzene
 Concen: 59.256 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD063014.D
 Acq: 2 Jul 2019 20:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:180 Resp: 634145
 Ion Ratio Lower Upper
 180 100
 182 97.7 49.5 148.5
 145 27.0 13.7 41.0

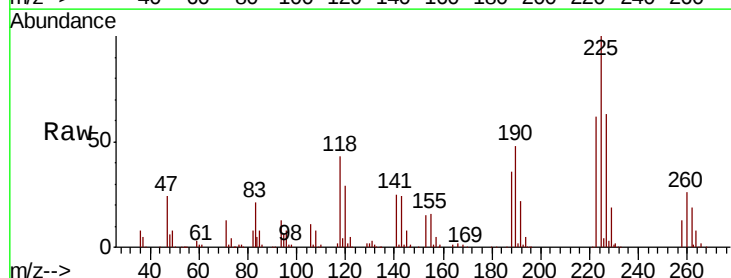


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

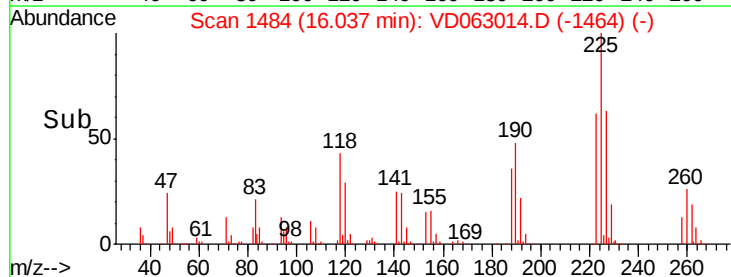
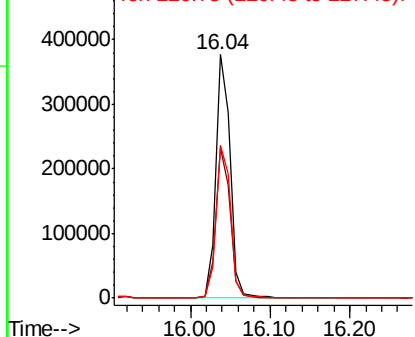


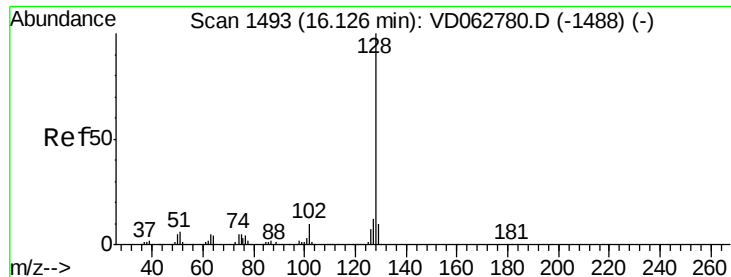
#94
 Hexachlorobutadiene
 Concen: 58.698 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VD063014.D
 Acq: 2 Jul 2019 20:39

Tgt Ion:225 Resp: 479900
 Ion Ratio Lower Upper
 225 100
 223 61.8 29.8 89.5
 227 62.9 30.6 91.6



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





#95

Naphthalene

Concen: 60.318 ug/l

RT: 16.13 min Scan# 1493

Delta R.T. -0.00 min

Lab File: VD063014.D

Acq: 2 Jul 2019 20:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

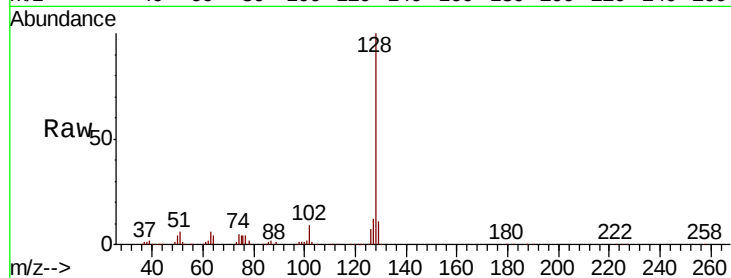
Tot Ion:128 Resp: 904761

Ion Ratio Lower Upper

128 100

127 11.5 9.7 14.5

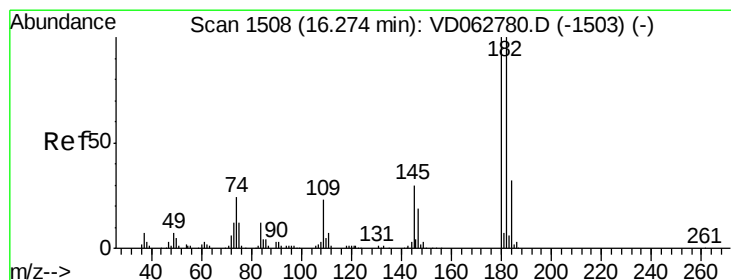
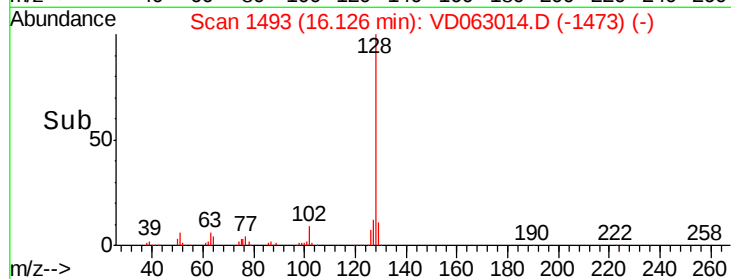
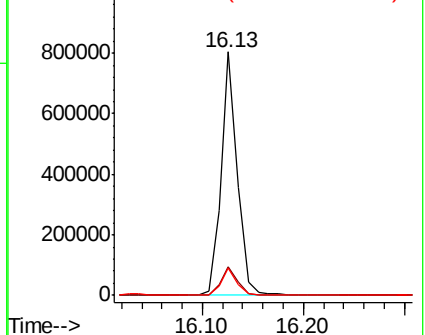
129 11.1 8.3 12.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 60.293 ug/l

RT: 16.27 min Scan# 1508

Delta R.T. -0.00 min

Lab File: VD063014.D

Acq: 2 Jul 2019 20:39

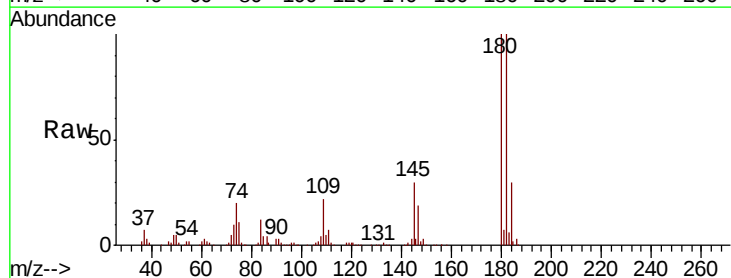
Tgt Ion:180 Resp: 495765

Ion Ratio Lower Upper

180 100

182 100.0 49.9 149.6

145 30.1 15.2 45.5



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

