

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062719\
 Data File : VD062924.D
 Acq On : 27 Jun 2019 10:54
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Jun 28 02:27:23 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	7.02	168	681880	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.20	114	847434	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.35	117	780023	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.51	152	445293	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.43	65	398098	53.71	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	107.42%	
35) Dibromofluoromethane	6.90	113	370115	51.80	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	103.60%	
50) Toluene-d8	10.39	98	815844	52.46	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	104.92%	
62) 4-Bromofluorobenzene	13.54	95	393248	55.61	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	111.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.56	85	404237	45.812	ug/l	97
3) Chloromethane	1.74	50	285900	43.083	ug/l	96
4) Vinyl Chloride	1.83	62	303224	46.085	ug/l	99
5) Bromomethane	2.13	94	164704	53.452	ug/l	96
6) Chloroethane	2.25	64	152327	51.137	ug/l	91
7) Trichlorofluoromethane	2.52	101	720516	54.110	ug/l	94
8) Diethyl Ether	2.85	74	76644	45.301	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.13	101	341843	47.387	ug/l	91
10) Methyl Iodide	3.28	142	408810	42.955	ug/l	91
11) Tert butyl alcohol	4.06	59	78638	232.950	ug/l #	91
12) 1,1-Dichloroethene	3.10	96	255240	47.165	ug/l	87
13) Acrolein	3.02	56	66154	191.960	ug/l	98
14) Allyl chloride	3.59	41	355594	44.470	ug/l	87
15) Acrylonitrile	4.17	53	168938	212.981	ug/l	96
16) Acetone	3.20	43	384003	255.636	ug/l #	93
17) Carbon Disulfide	3.35	76	697168	40.309	ug/l #	94
18) Methyl Acetate	3.62	43	96401	43.085	ug/l	98
19) Methyl tert-butyl Ether	4.21	73	577973	49.335	ug/l	94
20) Methylene Chloride	3.79	84	250039	44.234	ug/l	89
21) trans-1,2-Dichloroethene	4.19	96	267415	46.409	ug/l	97
22) Diisopropyl ether	5.09	45	762064	46.863	ug/l	92
23) Vinyl Acetate	5.03	43	2490943	244.796	ug/l	100
24) 1,1-Dichloroethane	4.96	63	474552	44.822	ug/l	99
25) 2-Butanone	6.04	43	348858	251.655	ug/l	98
26) 2,2-Dichloropropane	5.99	77	588306	52.423	ug/l	96
27) cis-1,2-Dichloroethene	6.00	96	265150	43.514	ug/l	88
28) Bromochloromethane	6.42	49	193300	51.838	ug/l	97
29) Tetrahydrofuran	6.44	42	145733	222.191	ug/l	96
30) Chloroform	6.63	83	665309	51.670	ug/l	94
31) Cyclohexane	6.93	56	307901	44.237	ug/l	95
32) 1,1,1-Trichloroethane	6.84	97	726855	54.197	ug/l	95
36) 1,1-Dichloropropene	7.12	75	427787	53.326	ug/l	97
37) Ethyl Acetate	6.16	43	156487	46.357	ug/l	96
38) Carbon Tetrachloride	7.09	117	721116m	59.769	ug/l	

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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	8.84	83	354936	50.264	ug/l	97
40) Benzene	7.43	78	832100	51.674	ug/l	97
41) Methacrylonitrile	6.43	41	210749	49.816	ug/l #	88
42) 1,2-Dichloroethane	7.55	62	523119	59.550	ug/l	96
43) Isopropyl Acetate	9.22	43	237722	56.523	ug/l #	93
44) Trichloroethene	8.52	130	324312	51.372	ug/l	93
45) 1,2-Dichloropropane	8.92	63	204790	51.145	ug/l	96
46) Dibromomethane	9.04	93	191583	55.700	ug/l	99
47) Bromodichloromethane	9.35	83	540467	60.503	ug/l	98
48) Methyl methacrylate	9.10	41	163090	54.568	ug/l	93
49) 1,4-Dioxane	9.06	88	27689	1113.563	ug/l #	85
51) 4-Methyl-2-Pentanone	10.28	43	826739	277.257	ug/l	94
52) Toluene	10.49	92	590991	54.598	ug/l	100
53) t-1,3-Dichloropropene	10.90	75	441874	60.436	ug/l	97
54) cis-1,3-Dichloropropene	10.02	75	449871	56.609	ug/l	94
55) 1,1,2-Trichloroethane	11.17	97	201314	54.133	ug/l	95
56) Ethyl methacrylate	11.02	69	219412	55.208	ug/l	91
57) 1,3-Dichloropropane	11.39	76	306751	53.871	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.83	63	551550	270.322	ug/l	96
59) 2-Hexanone	11.52	43	613890	289.074	ug/l	99
60) Dibromochloromethane	11.67	129	388253	56.050	ug/l	99
61) 1,2-Dibromoethane	11.79	107	244674	55.707	ug/l	94
64) Tetrachloroethene	11.24	164	331948	51.707	ug/l	96
65) Chlorobenzene	12.38	112	687172	47.468	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.50	131	361498	53.397	ug/l	94
67) Ethyl Benzene	12.51	91	1321280	50.837	ug/l	95
68) m/p-Xylenes	12.65	106	901659	99.605	ug/l	91
69) o-Xylene	13.04	106	455182	55.006	ug/l	99
70) Styrene	13.06	104	796092	54.770	ug/l	96
71) Bromoform	13.22	173	249077	53.699	ug/l	95
73) Isopropylbenzene	13.40	105	1360433	47.649	ug/l	100
74) N-amyl acetate	13.26	43	360856	52.044	ug/l	95
75) 1,1,2,2-Tetrachloroethane	13.69	83	238051	51.172	ug/l	96
76) 1,2,3-Trichloropropane	13.72	75	262343	51.034	ug/l	97
77) Bromobenzene	13.66	156	368270	47.955	ug/l	96
78) n-propylbenzene	13.76	91	1670823	50.279	ug/l	92
79) 2-Chlorotoluene	13.83	91	977680	51.481	ug/l	98
80) 1,3,5-Trimethylbenzene	13.93	105	1237182	51.588	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.46	75	68601	50.919	ug/l	91
82) 4-Chlorotoluene	13.94	91	1208702	52.866	ug/l	98
83) tert-Butylbenzene	14.18	119	1420627	53.144	ug/l	98
84) 1,2,4-Trimethylbenzene	14.22	105	1201446	48.878	ug/l	96
85) sec-Butylbenzene	14.36	105	1434010	49.357	ug/l	99
86) p-Isopropyltoluene	14.48	119	1263962	47.554	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	761428	55.312	ug/l	98
88) 1,4-Dichlorobenzene	14.53	146	715677	51.761	ug/l	98
89) n-Butylbenzene	14.79	91	1265847	50.883	ug/l	96
90) Hexachloroethane	15.00	117	384485	53.801	ug/l	98
91) 1,2-Dichlorobenzene	14.79	146	618921	52.549	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	15.37	75	55236	60.834	ug/l #	49

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

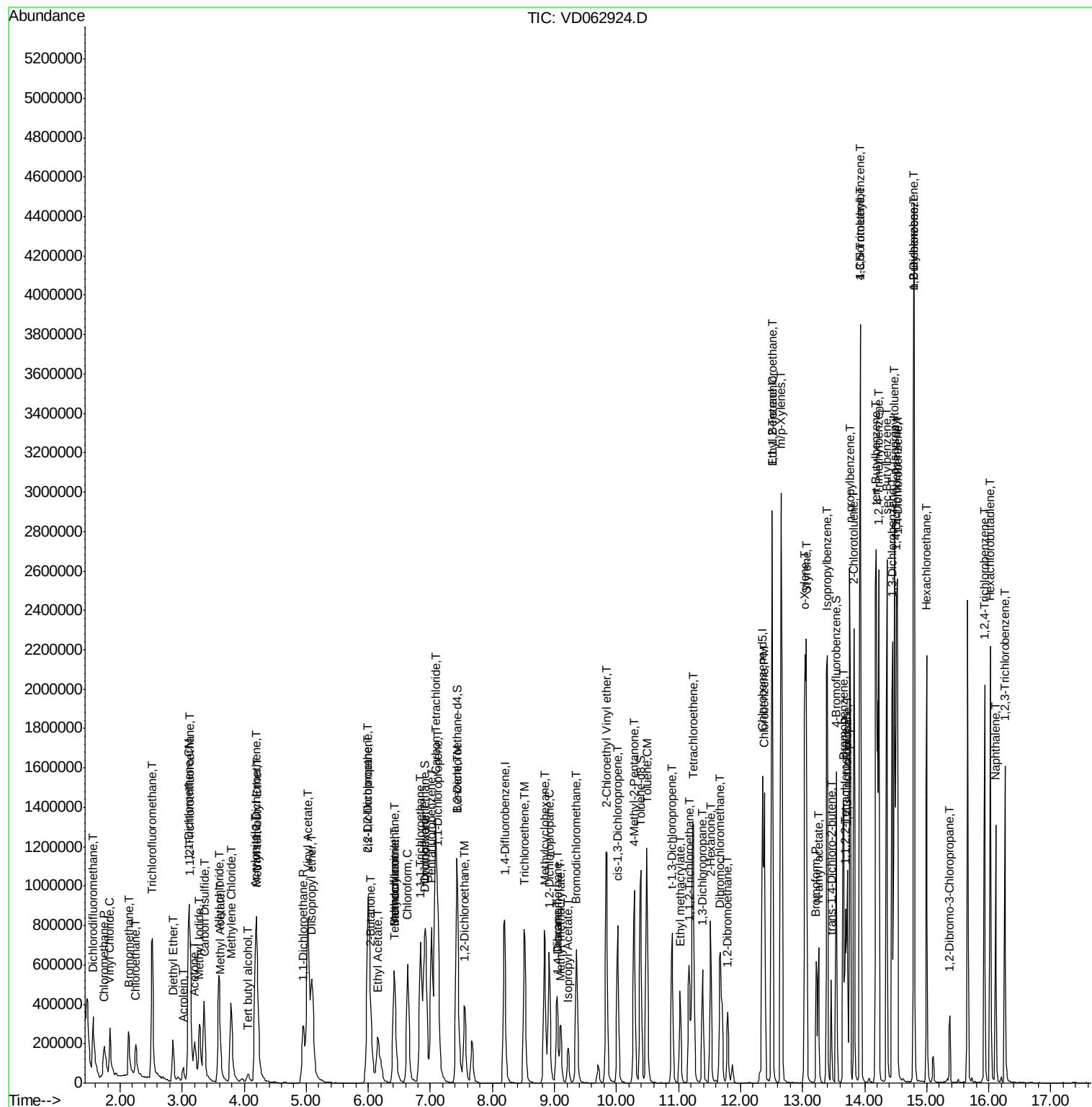
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	472959	51.406	ug/l	99
94) Hexachlorobutadiene	16.02	225	376024	53.498	ug/l	99
95) Naphthalene	16.11	128	711580	55.181	ug/l	99
96) 1,2,3-Trichlorobenzene	16.26	180	364819	51.608	ug/l	99

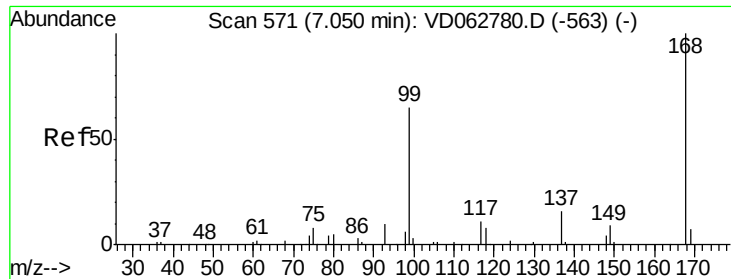
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.02 min Scan# 568

Delta R.T. -0.03 min

Lab File: VD062924.D

Acq: 27 Jun 2019 10:54

Instrument :

MSVOA_D

ClientSampleId :

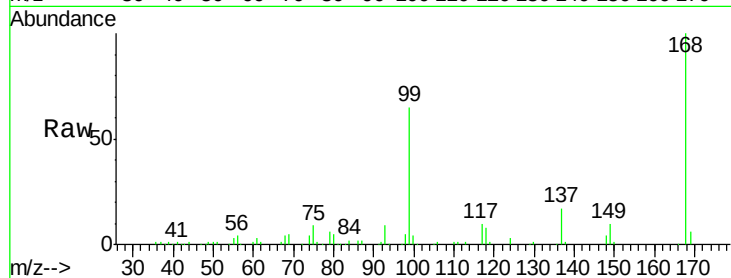
VSTDCCC050

Tot Ion:168 Resp: 681880

Ion Ratio Lower Upper

168 100

99 65.3 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.02

250000

200000

150000

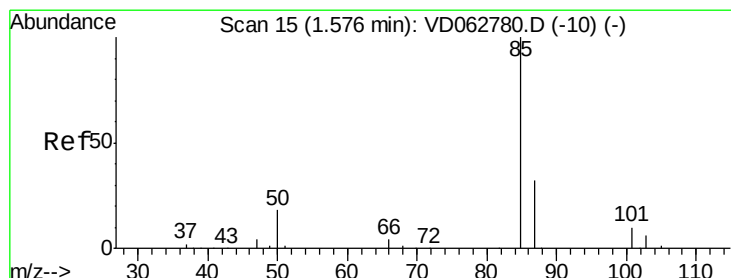
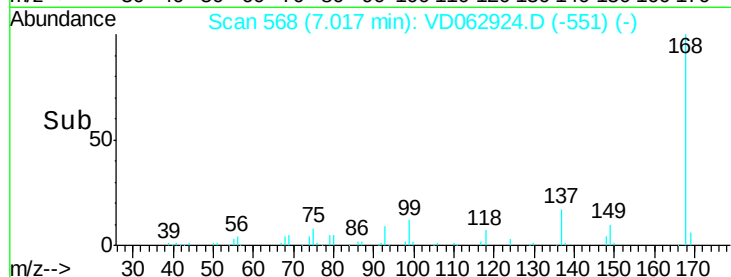
100000

50000

0

6.90 7.00 7.10 7.20 7.30

Time-->



#2

Dichlorodifluoromethane

Concen: 45.812 ug/l

RT: 1.56 min Scan# 14

Delta R.T. -0.01 min

Lab File: VD062924.D

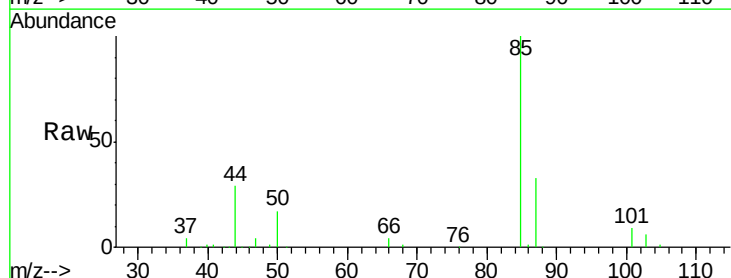
Acq: 27 Jun 2019 10:54

Tgt Ion: 85 Resp: 404237

Ion Ratio Lower Upper

85 100

87 33.4 15.9 47.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.56

150000

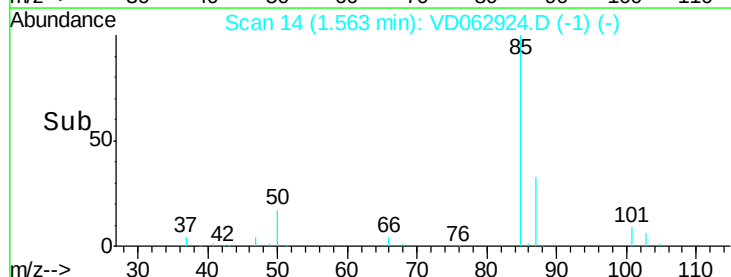
100000

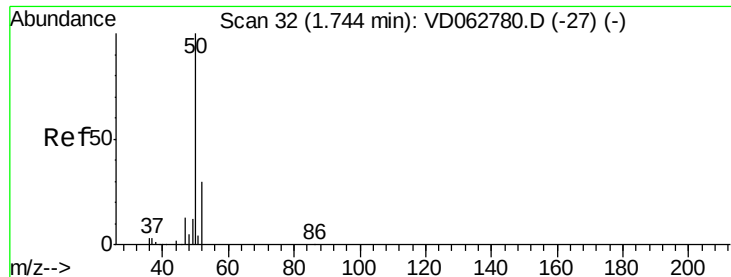
50000

0

1.50 1.60 1.70

Time-->





#3

Chloromethane

Concen: 43.083 ug/l

RT: 1.74 min Scan# 32

Delta R.T. -0.00 min

Lab File: VD062924.D

Acq: 27 Jun 2019 10:54

Instrument :

MSVOA_D

ClientSampleId :

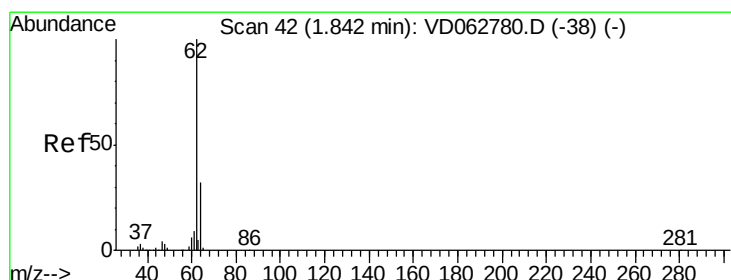
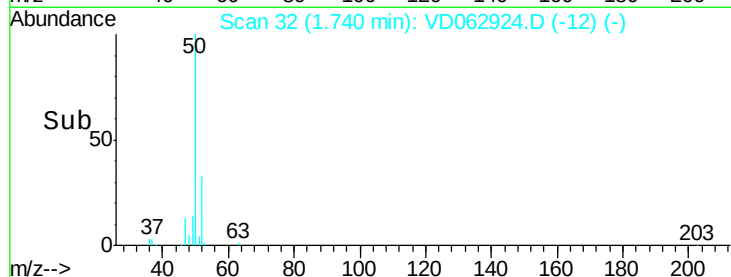
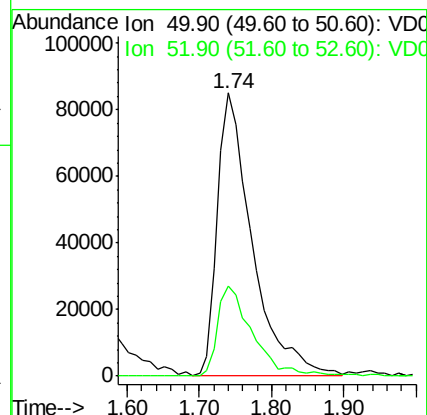
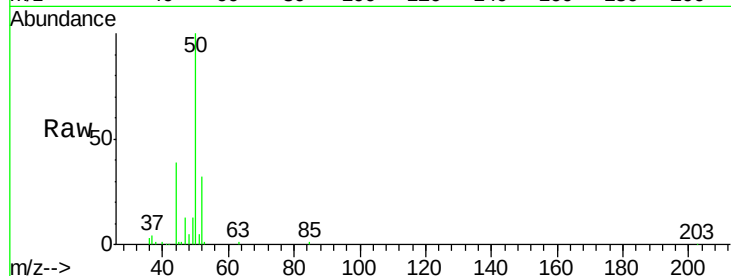
VSTDCCC050

Tot Ion: 50 Resp: 285900

Ion Ratio Lower Upper

50 100

52 31.8 23.6 35.4



#4

Vinyl Chloride

Concen: 46.085 ug/l

RT: 1.83 min Scan# 41

Delta R.T. -0.01 min

Lab File: VD062924.D

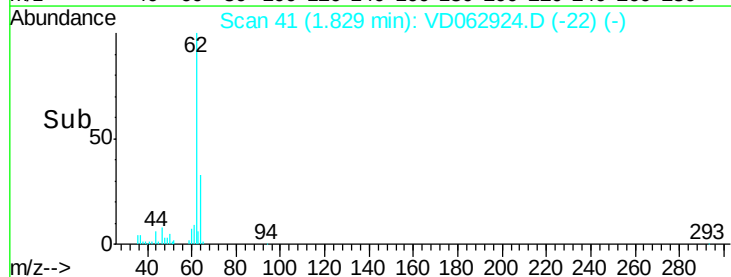
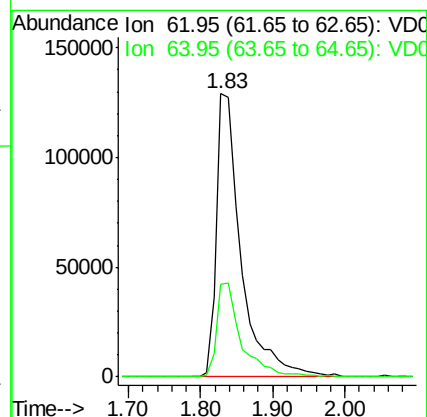
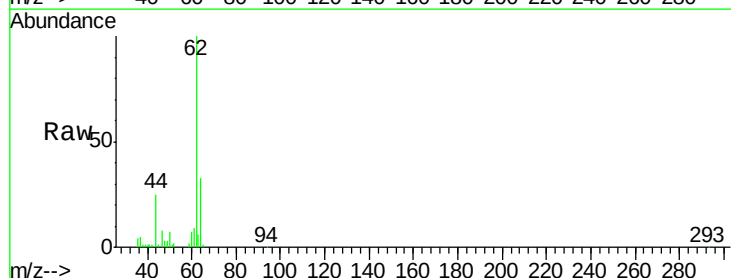
Acq: 27 Jun 2019 10:54

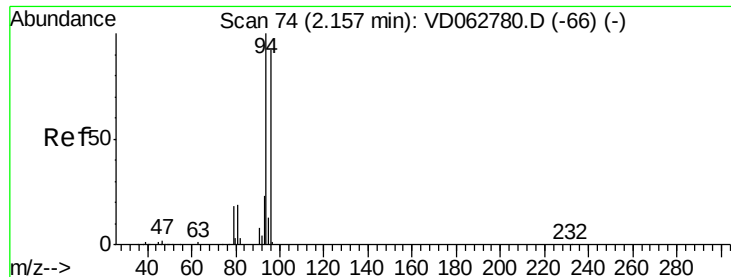
Tgt Ion: 62 Resp: 303224

Ion Ratio Lower Upper

62 100

64 32.7 25.6 38.4





#5

Bromomethane

Concen: 53.452 ug/l

RT: 2.13 min Scan# 72

Delta R.T. -0.02 min

Lab File: VD062924.D

Acq: 27 Jun 2019 10:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

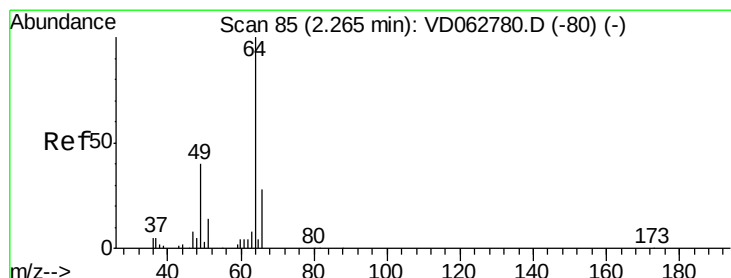
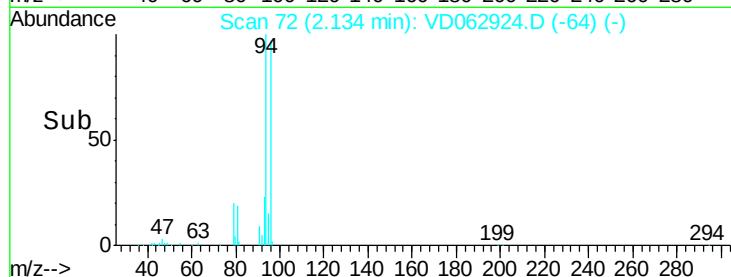
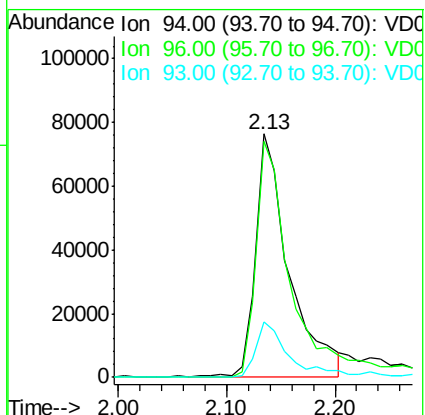
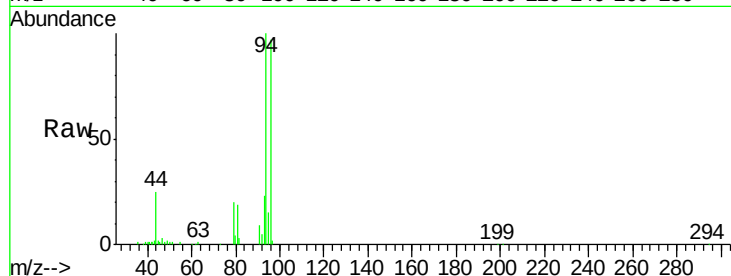
Tot Ion: 94 Resp: 164704

Ion Ratio Lower Upper

94 100

96 96.7 73.4 110.2

93 22.7 18.2 27.4



#6

Chloroethane

Concen: 51.137 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.01 min

Lab File: VD062924.D

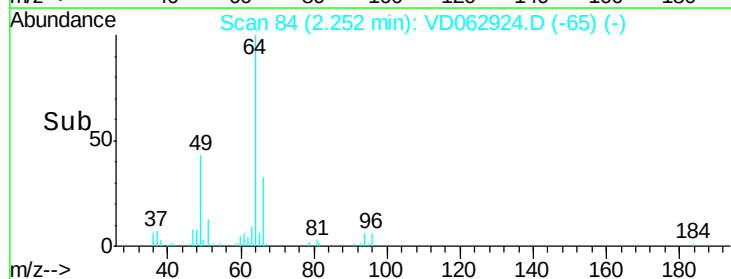
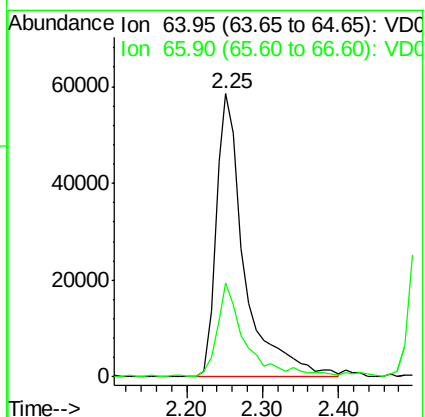
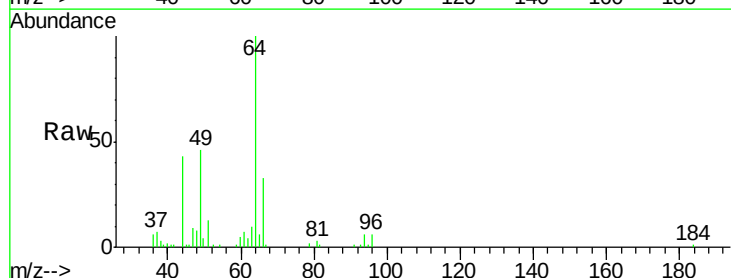
Acq: 27 Jun 2019 10:54

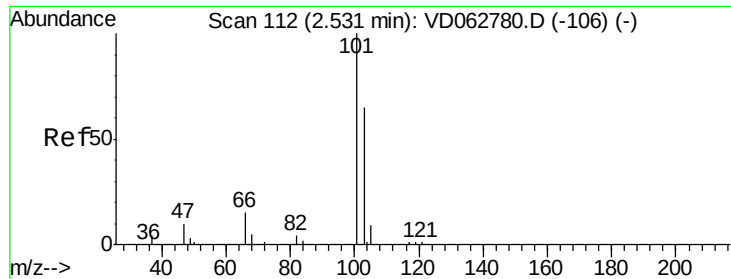
Tgt Ion: 64 Resp: 152327

Ion Ratio Lower Upper

64 100

66 33.4 23.0 34.4



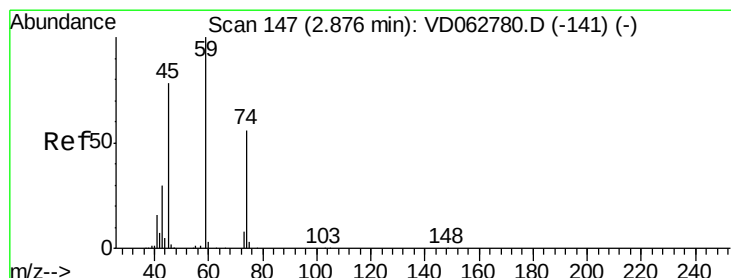
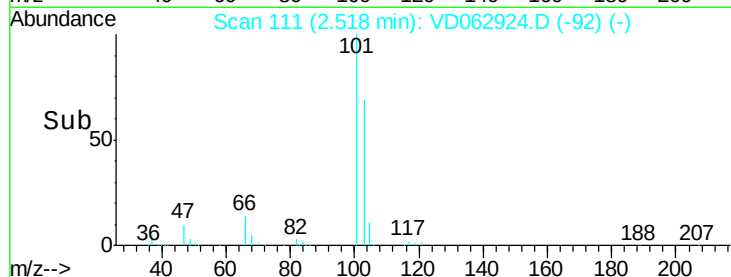
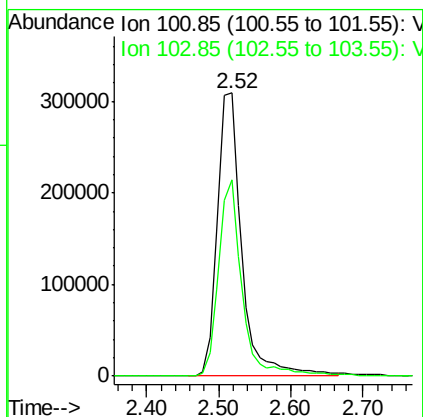
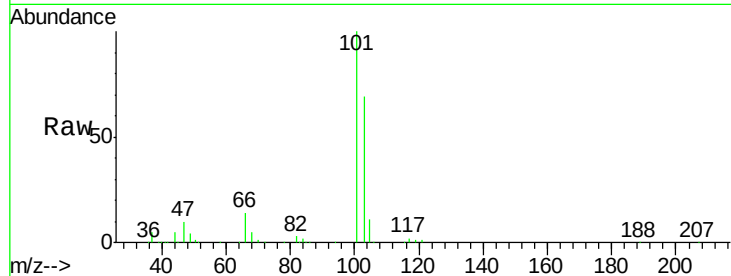


#7

Trichlorofluoromethane
Concen: 54.110 ug/l
RT: 2.52 min Scan# 111
Delta R.T. -0.01 min
Lab File: VD062924.D
Acq: 27 Jun 2019 10:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

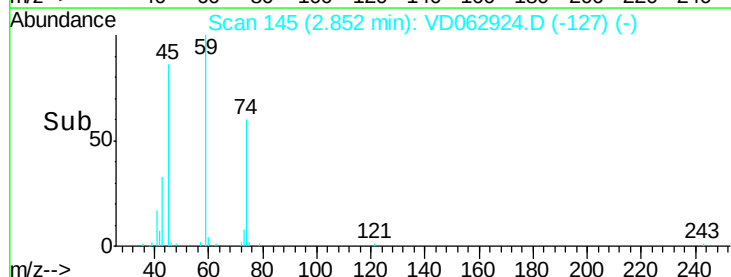
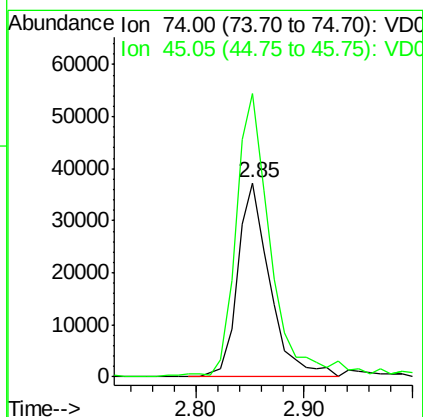
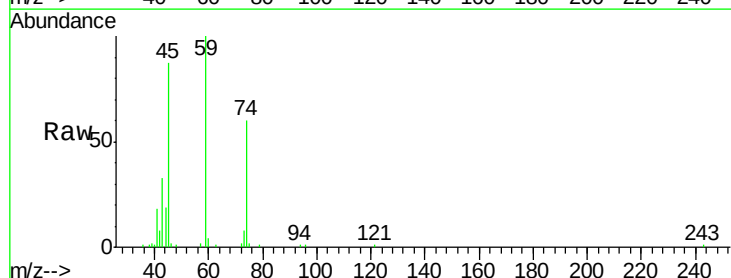
Tot Ion:101 Resp: 720516
Ion Ratio Lower Upper
101 100
103 69.4 51.8 77.8

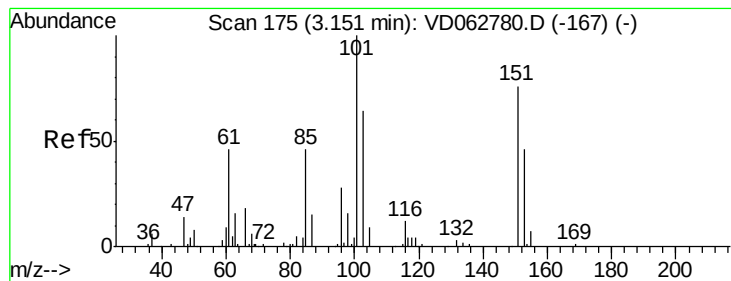


#8

Diethyl Ether
Concen: 45.301 ug/l
RT: 2.85 min Scan# 145
Delta R.T. -0.02 min
Lab File: VD062924.D
Acq: 27 Jun 2019 10:54

Tgt Ion: 74 Resp: 76644
Ion Ratio Lower Upper
74 100
45 146.0 70.2 210.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.387 ug/l

RT: 3.13 min Scan# 173

Delta R.T. -0.02 min

Lab File: VD062924.D

Acq: 27 Jun 2019 10:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

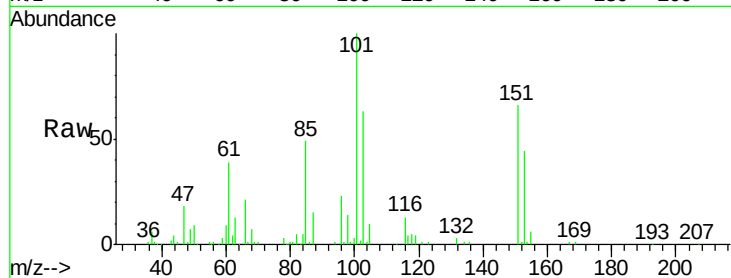
Tot Ion:101 Resp: 341843

Ion Ratio Lower Upper

101 100

85 49.2 37.0 55.4

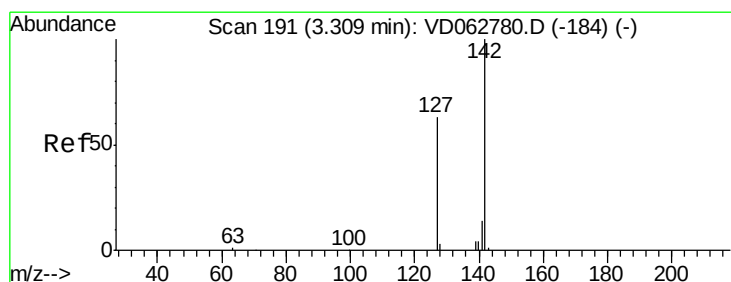
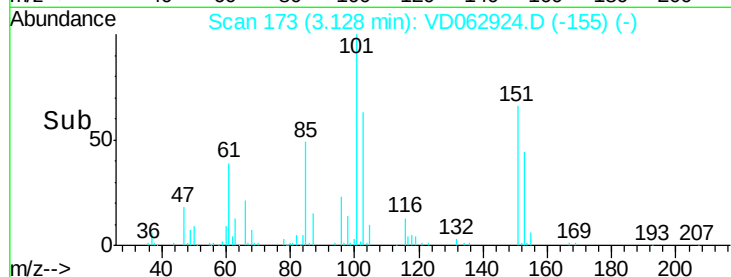
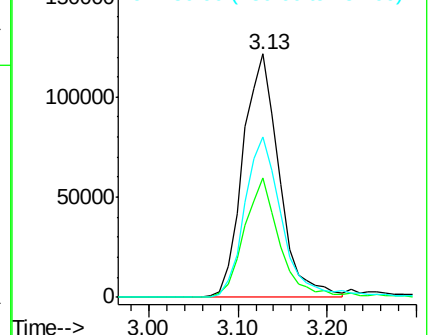
151 65.8 60.5 90.7



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: 42.955 ug/l

RT: 3.28 min Scan# 188

Delta R.T. -0.03 min

Lab File: VD062924.D

Acq: 27 Jun 2019 10:54

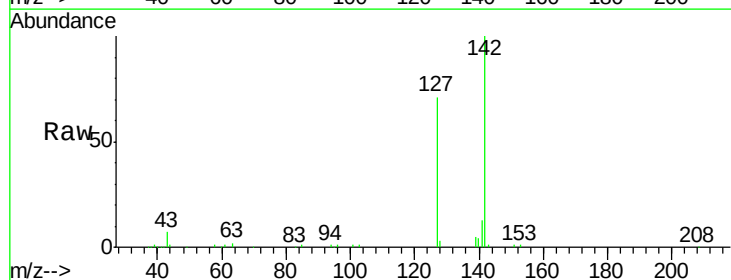
Tgt Ion:142 Resp: 408810

Ion Ratio Lower Upper

142 100

127 70.8 50.1 75.1

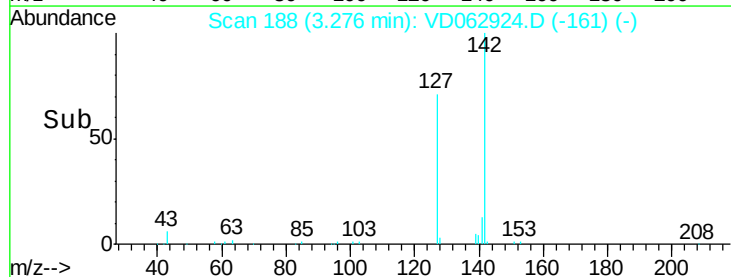
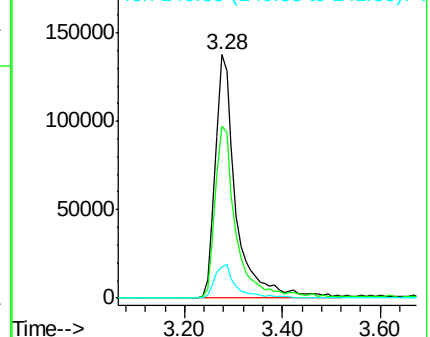
141 12.7 11.0 16.4

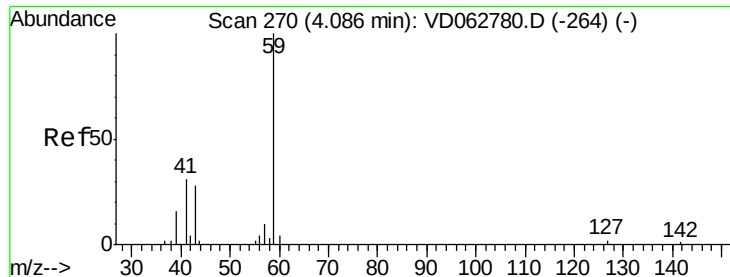


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



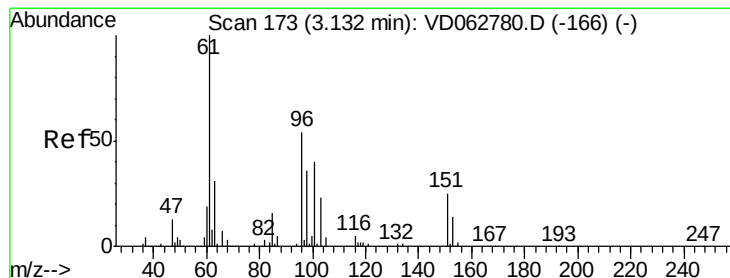
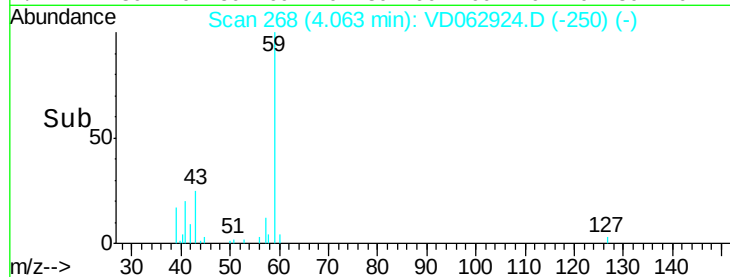
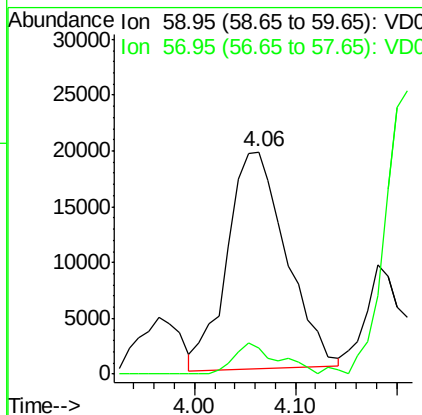
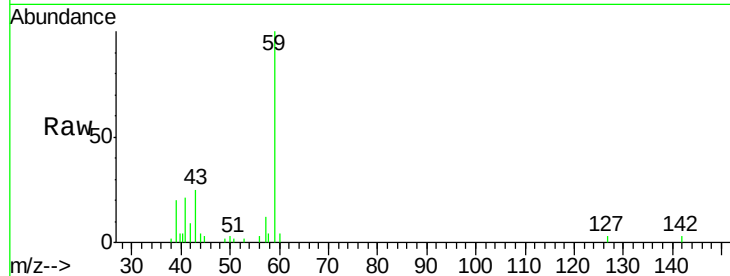


#11

Tert butyl alcohol
 Concen: 232.950 ug/l
 RT: 4.06 min Scan# 268
 Delta R.T. -0.02 min
 Lab File: VD062924.D
 Acq: 27 Jun 2019 10:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

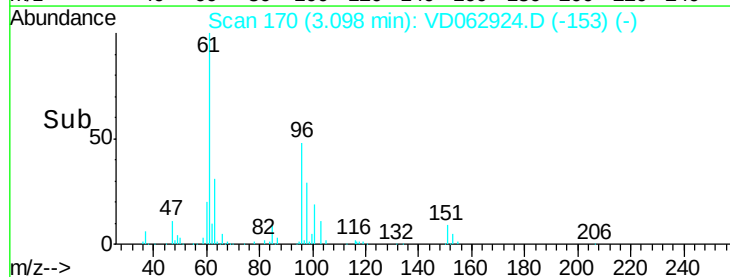
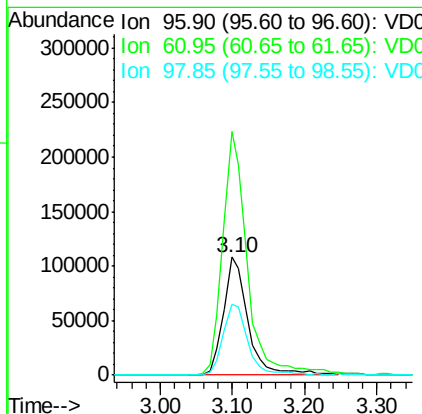
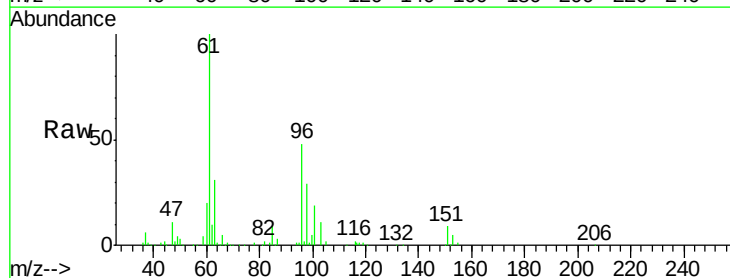
Tot Ion: 59 Resp: 78638
 Ion Ratio Lower Upper
 59 100
 57 11.7 6.6 10.0#

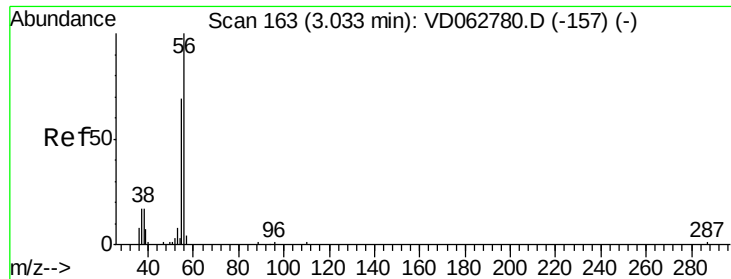


#12

1,1-Dichloroethene
 Concen: 47.165 ug/l
 RT: 3.10 min Scan# 170
 Delta R.T. -0.03 min
 Lab File: VD062924.D
 Acq: 27 Jun 2019 10:54

Tgt Ion: 96 Resp: 255240
 Ion Ratio Lower Upper
 96 100
 61 206.4 147.1 220.7
 98 60.6 52.6 79.0





#13

Acrolein

Concen: 191.960 ug/l

RT: 3.02 min Scan# 162

Delta R.T. -0.01 min

Lab File: VD062924.D

Acq: 27 Jun 2019 10:54

Instrument :

MSVOA_D

ClientSampleId :

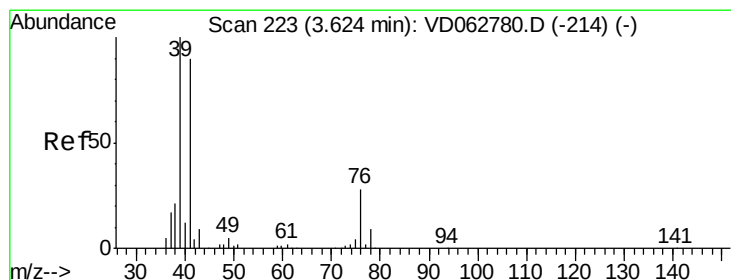
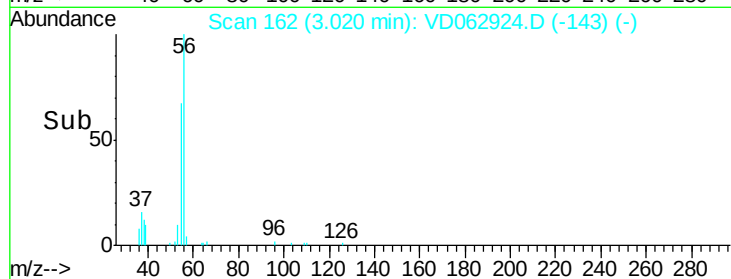
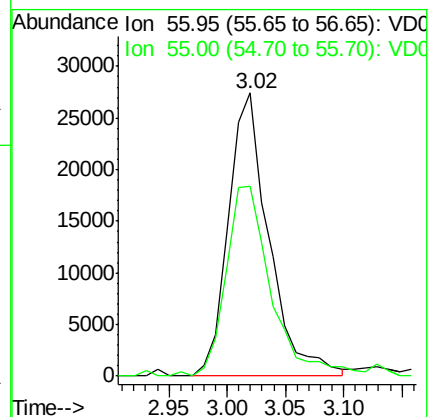
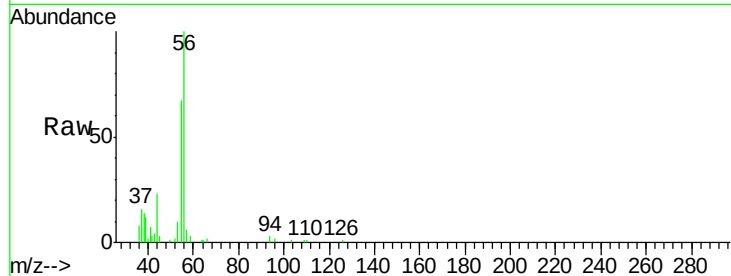
VSTDCCC050

Tot Ion: 56 Resp: 66154

Ion Ratio Lower Upper

56 100

55 67.3 55.4 83.0



#14

Allyl chloride

Concen: 44.470 ug/l

RT: 3.59 min Scan# 220

Delta R.T. -0.03 min

Lab File: VD062924.D

Acq: 27 Jun 2019 10:54

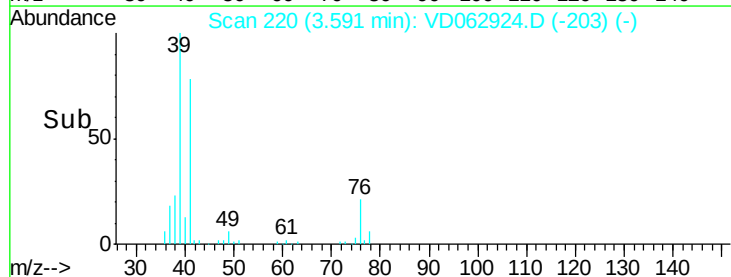
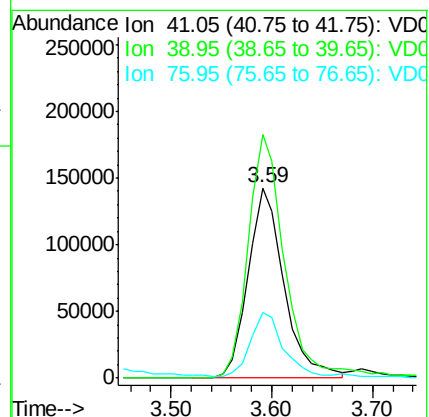
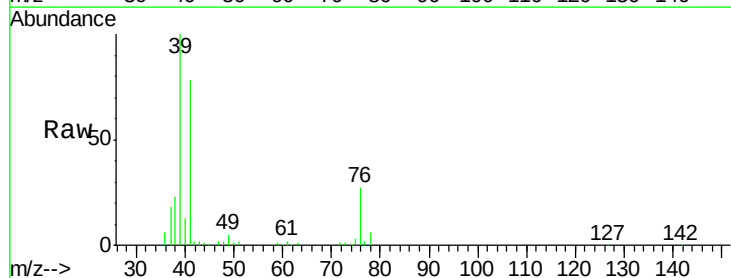
Tgt Ion: 41 Resp: 355594

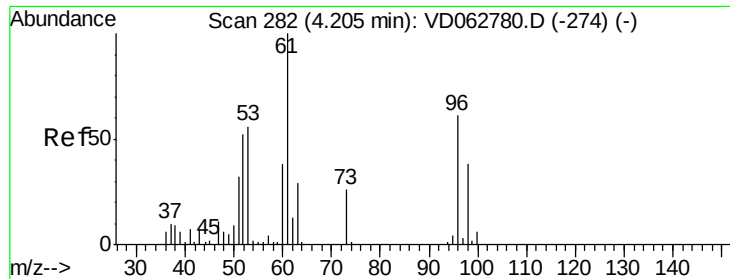
Ion Ratio Lower Upper

41 100

39 127.9 88.8 133.2

76 34.5 26.7 40.1





#15

Acrylonitrile

Concen: 212.981 ug/l

RT: 4.17 min Scan# 279

Delta R.T. -0.03 min

Lab File: VD062924.D

Acq: 27 Jun 2019 10:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

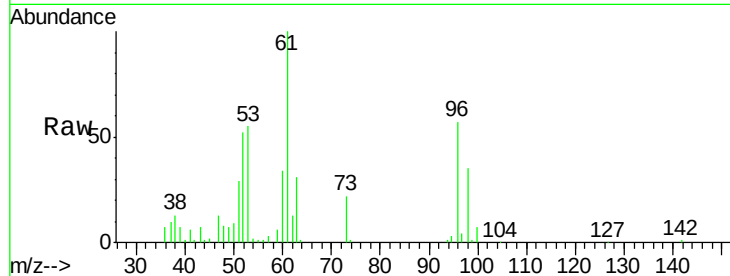
Tot Ion: 53 Resp: 168938

Ion Ratio Lower Upper

53 100

52 94.7 73.3 109.9

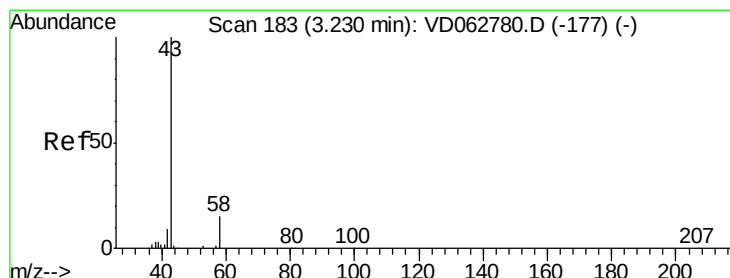
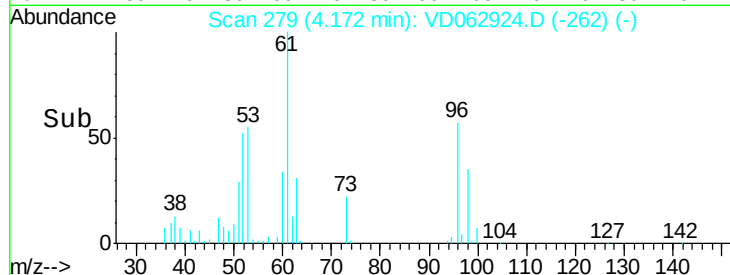
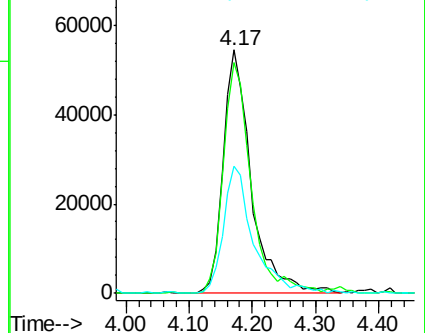
51 52.3 44.8 67.2



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 255.636 ug/l

RT: 3.20 min Scan# 180

Delta R.T. -0.03 min

Lab File: VD062924.D

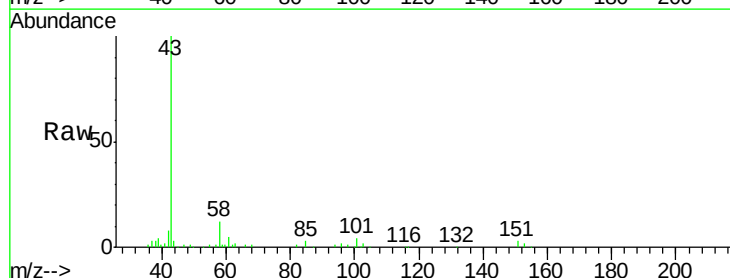
Acq: 27 Jun 2019 10:54

Tgt Ion: 43 Resp: 384003

Ion Ratio Lower Upper

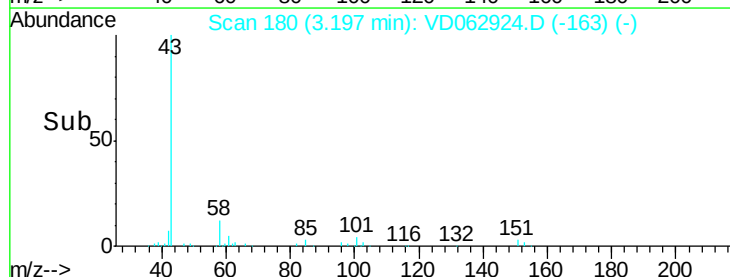
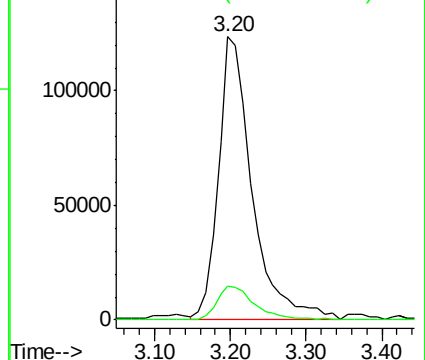
43 100

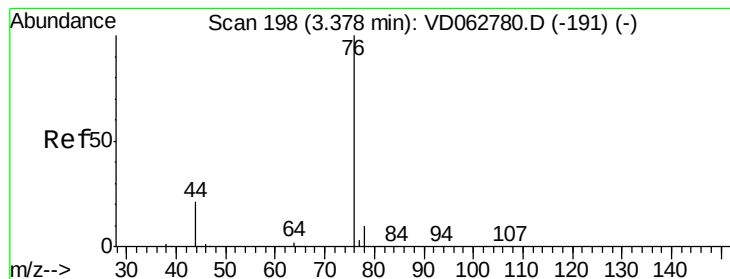
58 11.8 11.9 17.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 40.309 ug/l

RT: 3.35 min Scan# 196

Delta R.T. -0.02 min

Lab File: VD062924.D

Acq: 27 Jun 2019 10:54

Instrument :

MSVOA_D

ClientSampleId :

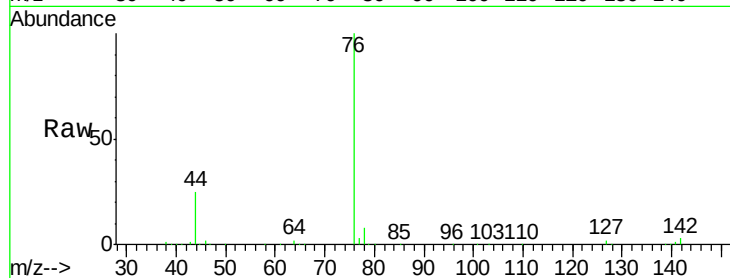
VSTDCCC050

Tot Ion: 76 Resp: 697168

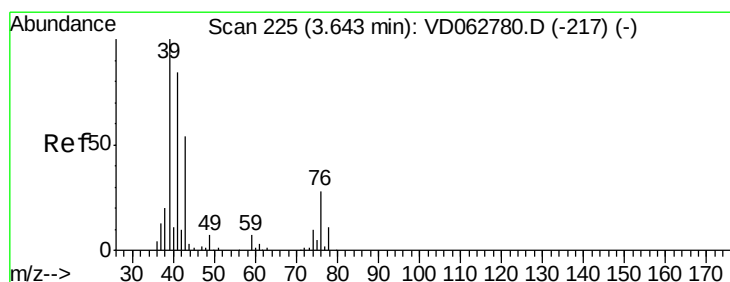
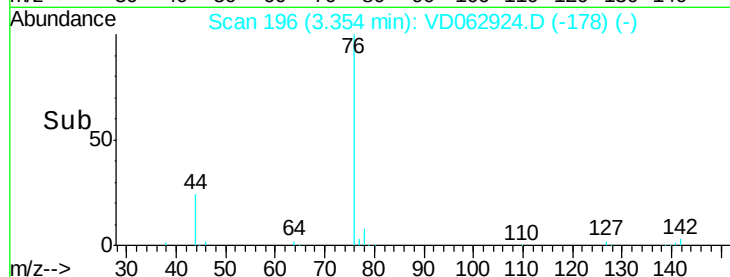
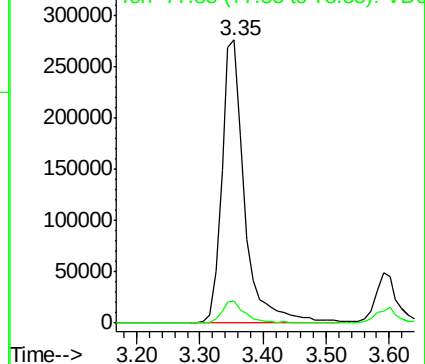
Ion Ratio Lower Upper

76 100

78 7.8 8.0 12.0#



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



#18

Methyl Acetate

Concen: 43.085 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.02 min

Lab File: VD062924.D

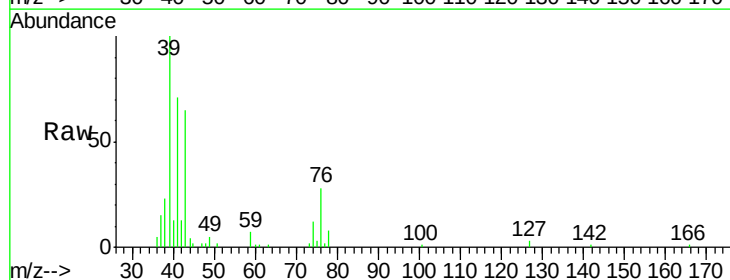
Acq: 27 Jun 2019 10:54

Tgt Ion: 43 Resp: 96401

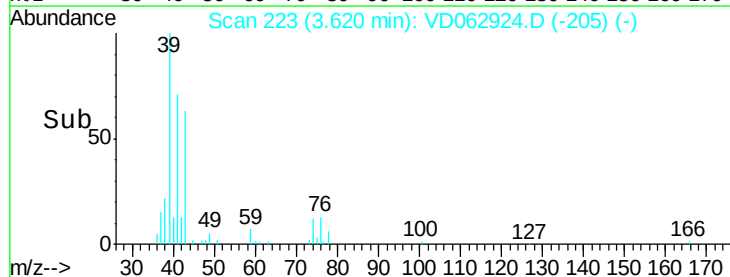
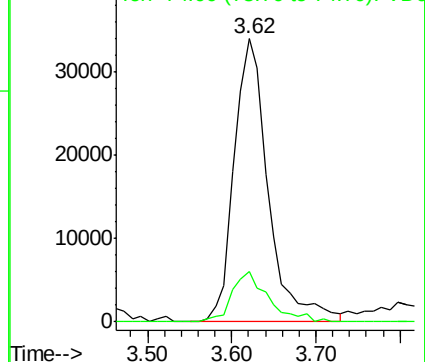
Ion Ratio Lower Upper

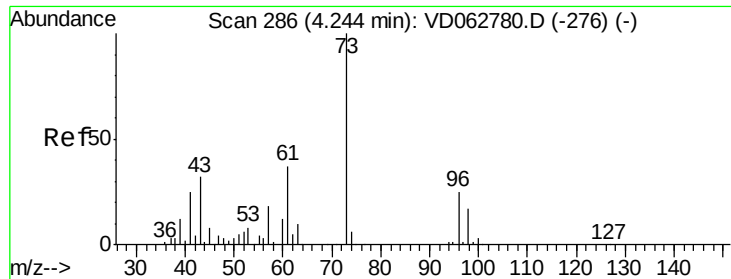
43 100

74 18.0 15.2 22.8



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

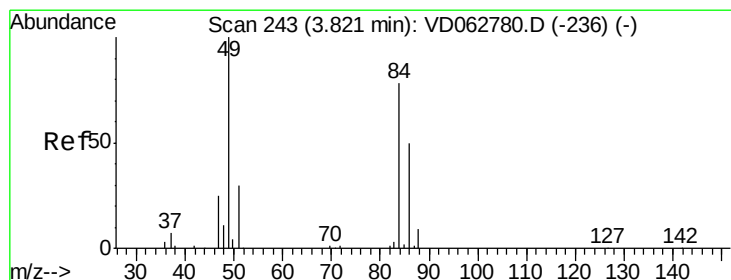
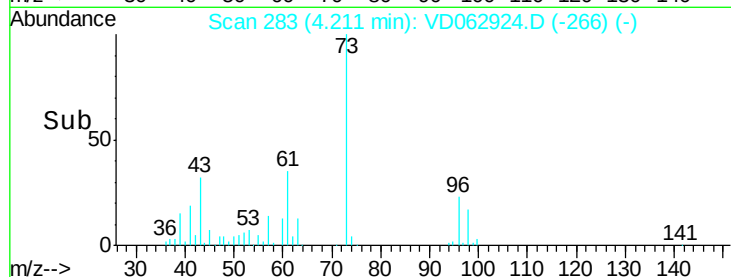
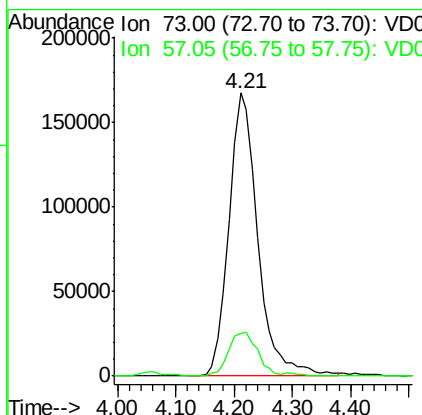
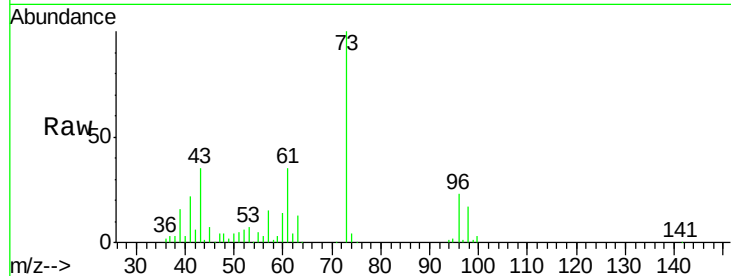




#19
Methyl tert-butyl Ether
Concen: 49.335 ug/l
RT: 4.21 min Scan# 283
Delta R.T. -0.03 min
Lab File: VD062924.D
Acq: 27 Jun 2019 10:54

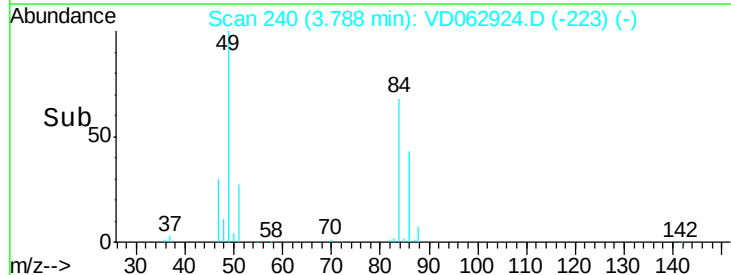
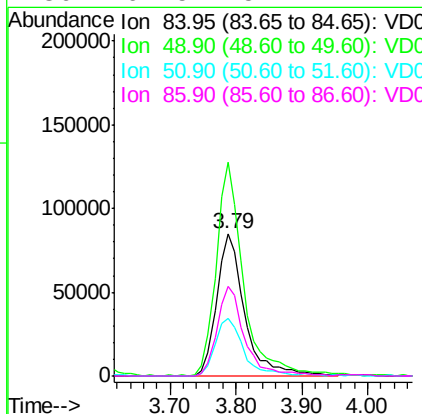
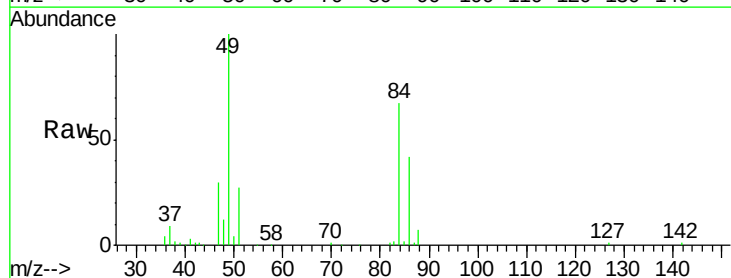
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

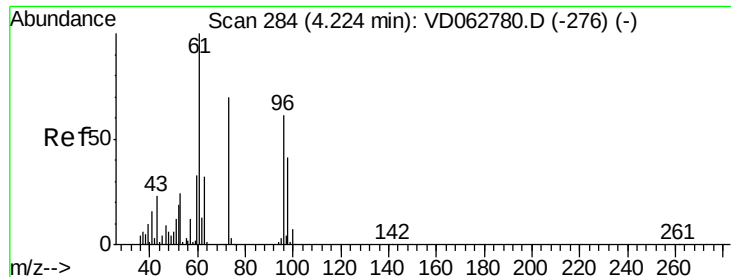
Tot Ion: 73 Resp: 577973
Ion Ratio Lower Upper
73 100
57 15.1 14.3 21.5



#20
Methylene Chloride
Concen: 44.234 ug/l
RT: 3.79 min Scan# 240
Delta R.T. -0.03 min
Lab File: VD062924.D
Acq: 27 Jun 2019 10:54

Tgt Ion: 84 Resp: 250039
Ion Ratio Lower Upper
84 100
49 149.9 102.9 154.3
51 40.6 31.2 46.8
86 62.5 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 46.409 ug/l

RT: 4.19 min Scan# 281

Delta R.T. -0.03 min

Lab File: VD062924.D

Acq: 27 Jun 2019 10:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

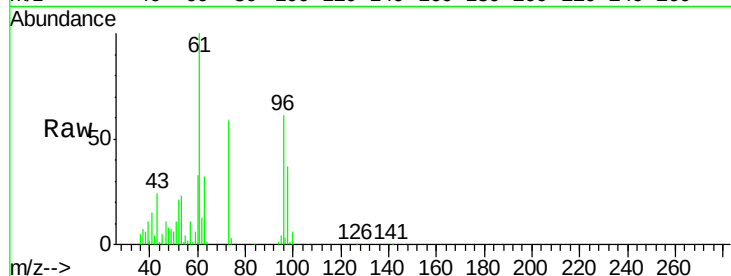
Tot Ion: 96 Resp: 267415

Ion Ratio Lower Upper

96 100

61 163.0 131.0 196.4

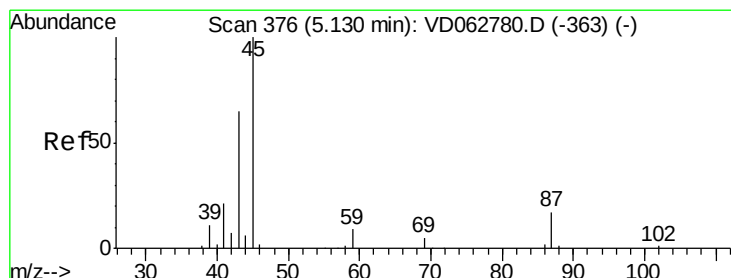
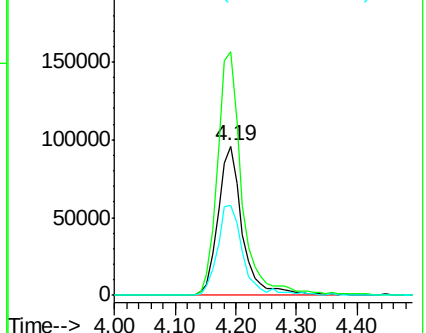
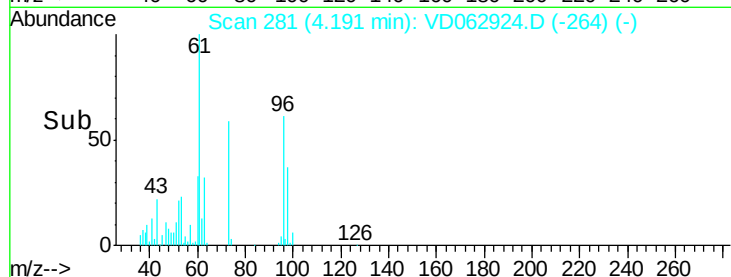
98 60.4 53.2 79.8



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: 46.863 ug/l

RT: 5.09 min Scan# 372

Delta R.T. -0.04 min

Lab File: VD062924.D

Acq: 27 Jun 2019 10:54

Tgt Ion: 45 Resp: 762064

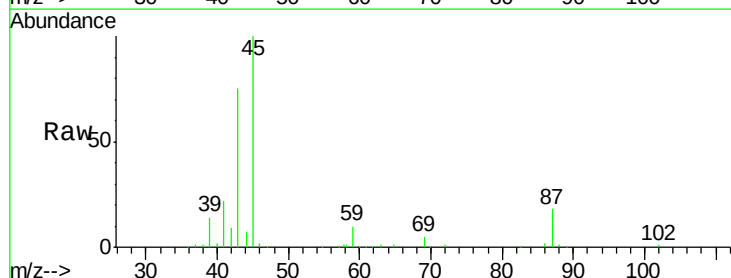
Ion Ratio Lower Upper

45 100

43 75.1 53.4 80.0

87 17.6 14.6 22.0

59 9.7 7.8 11.8

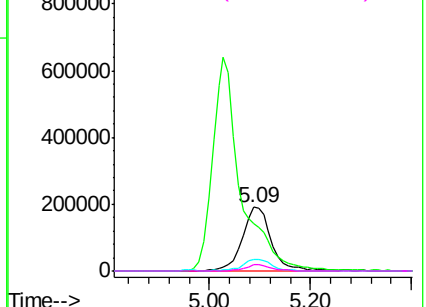
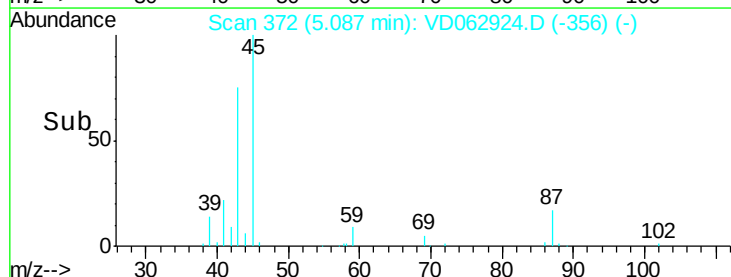


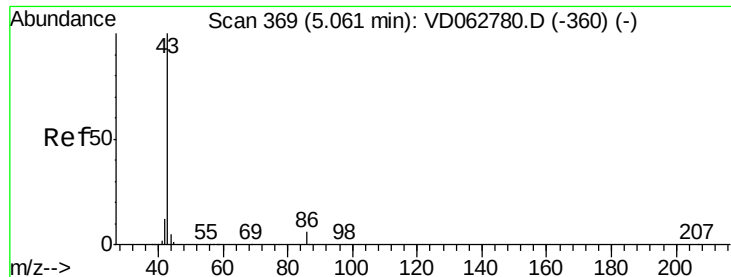
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 244.796 ug/l

RT: 5.03 min Scan# 366

Delta R.T. -0.03 min

Lab File: VD062924.D

Acq: 27 Jun 2019 10:54

Instrument :

MSVOA_D

ClientSampleId :

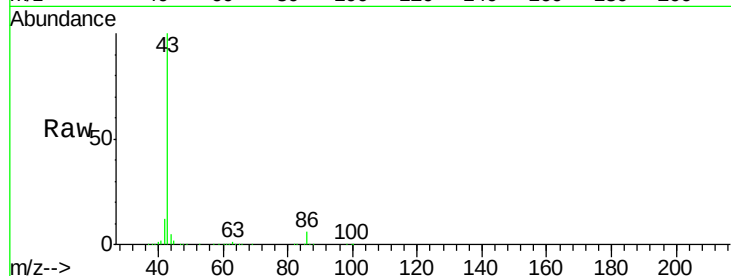
VSTDCCC050

Tot Ion: 43 Resp: 2490943

Ion Ratio Lower Upper

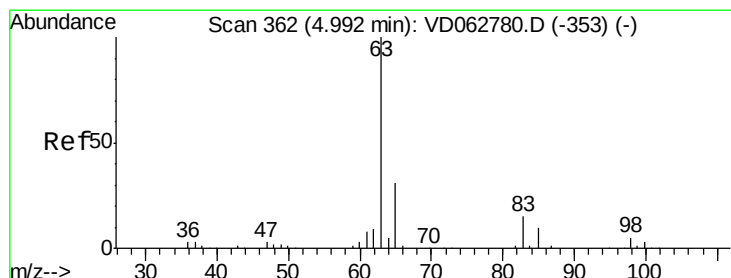
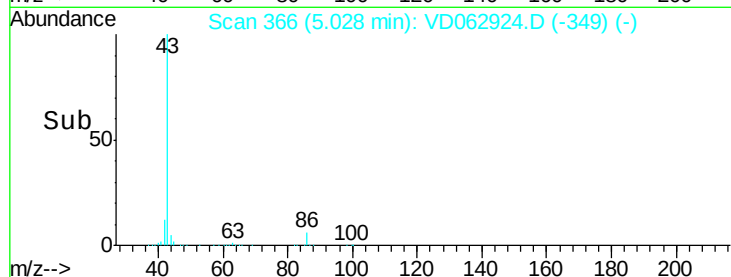
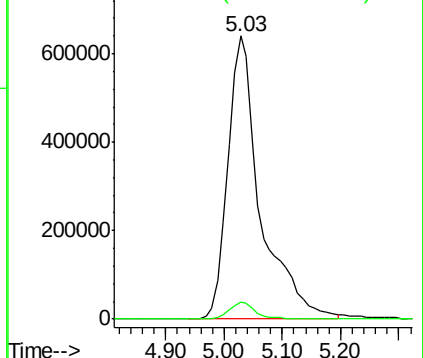
43 100

86 6.0 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: 44.822 ug/l

RT: 4.96 min Scan# 359

Delta R.T. -0.03 min

Lab File: VD062924.D

Acq: 27 Jun 2019 10:54

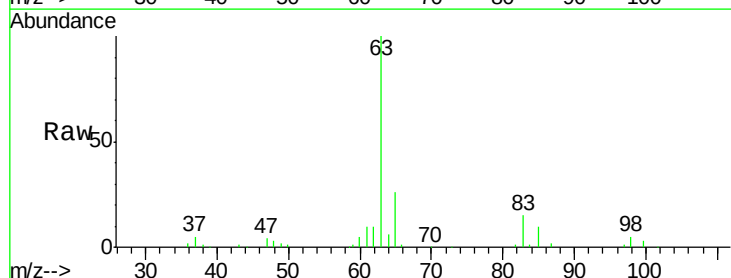
Tgt Ion: 63 Resp: 474552

Ion Ratio Lower Upper

63 100

98 4.8 2.3 6.9

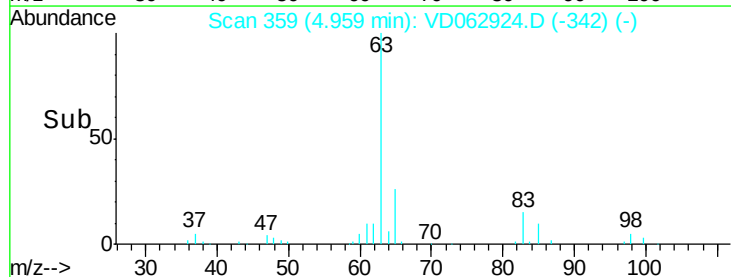
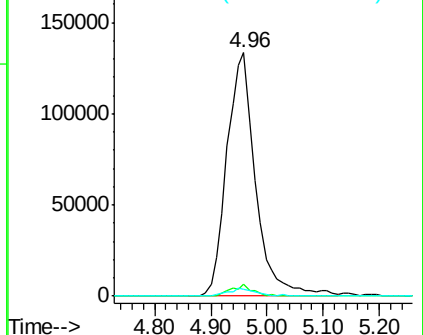
100 2.6 1.7 5.1

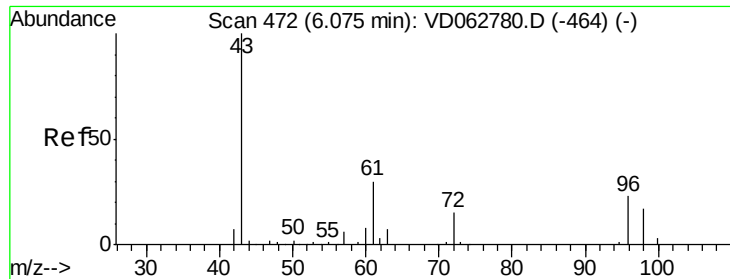


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 251.655 ug/l

RT: 6.04 min Scan# 469

Delta R.T. -0.03 min

Lab File: VD062924.D

Acq: 27 Jun 2019 10:54

Instrument :

MSVOA_D

ClientSampleId :

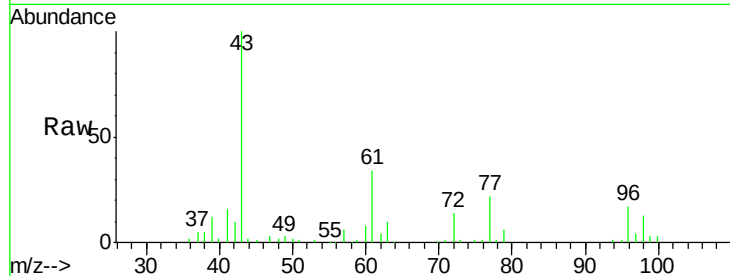
VSTDCCC050

Tot Ion: 43 Resp: 348858

Ion Ratio Lower Upper

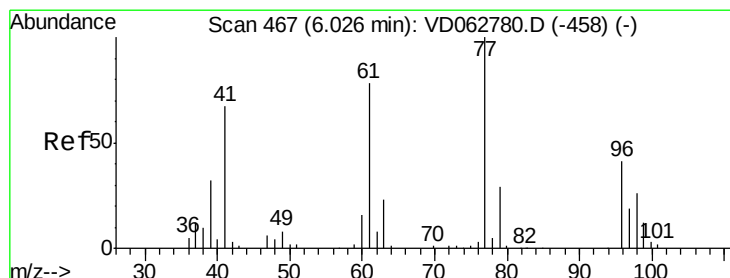
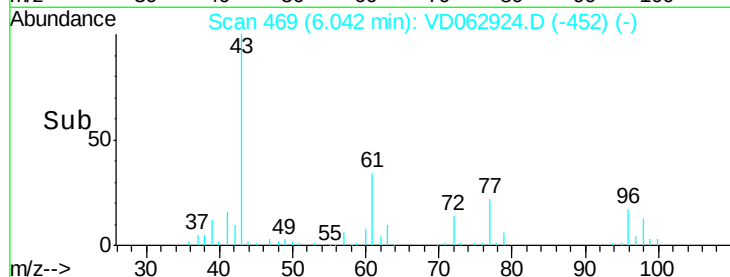
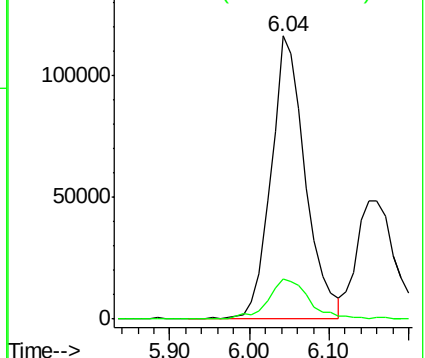
43 100

72 14.1 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: 52.423 ug/l

RT: 5.99 min Scan# 464

Delta R.T. -0.03 min

Lab File: VD062924.D

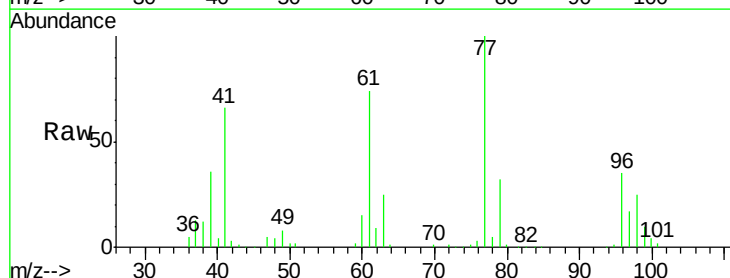
Acq: 27 Jun 2019 10:54

Tgt Ion: 77 Resp: 588306

Ion Ratio Lower Upper

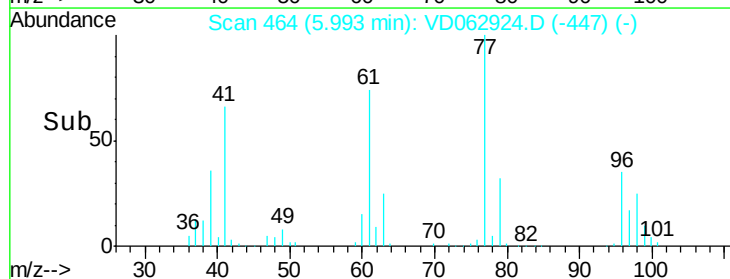
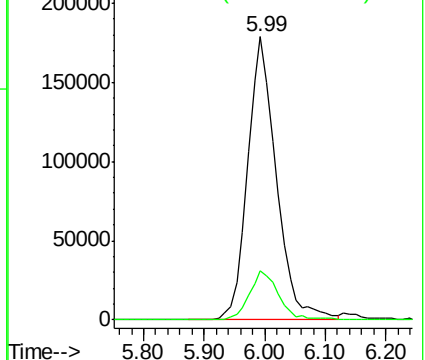
77 100

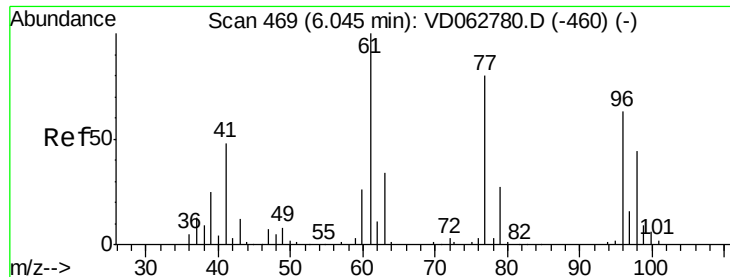
97 17.2 9.5 28.5



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



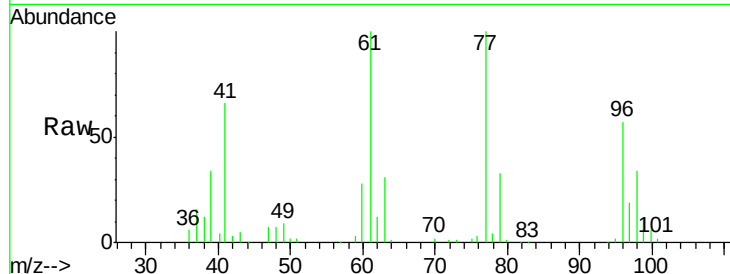


#27

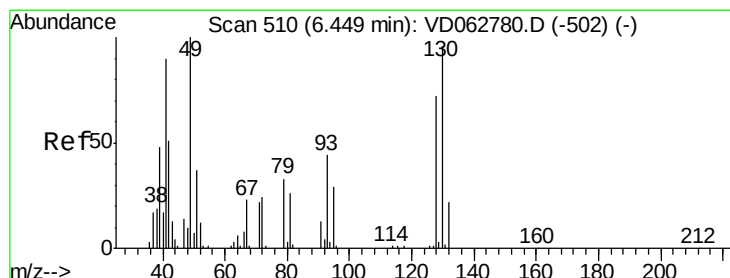
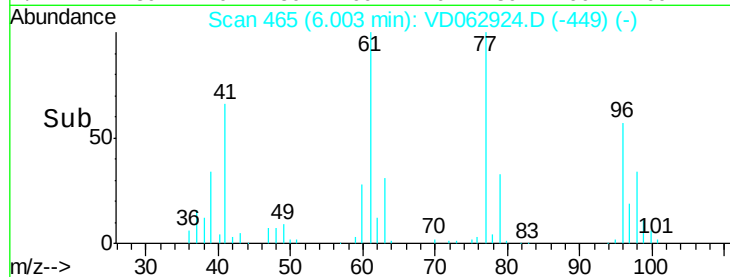
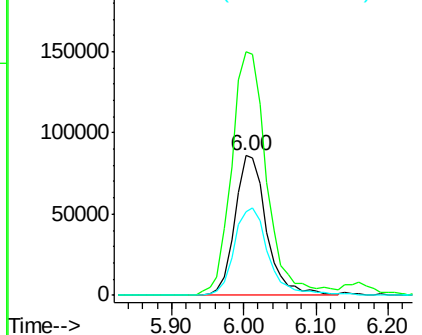
cis-1,2-Dichloroethene
Concen: 43.514 ug/l
RT: 6.00 min Scan# 465
Delta R.T. -0.04 min
Lab File: VD062924.D
Acq: 27 Jun 2019 10:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 96 Resp: 265150
Ion Ratio Lower Upper
96 100
61 174.1 0.0 316.0
98 59.7 0.0 138.4



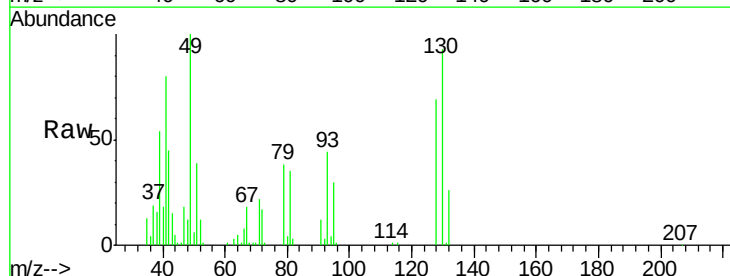
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



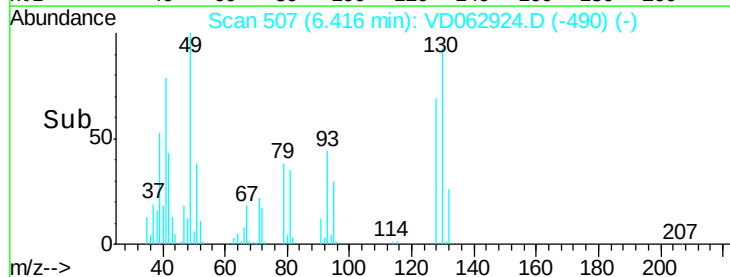
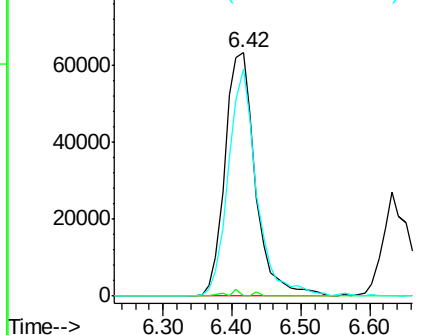
#28

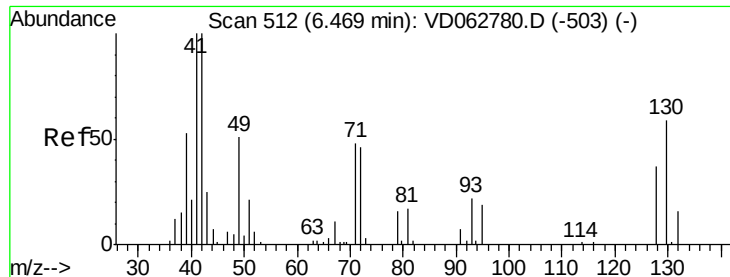
Bromochloromethane
Concen: 51.838 ug/l
RT: 6.42 min Scan# 507
Delta R.T. -0.03 min
Lab File: VD062924.D
Acq: 27 Jun 2019 10:54

Tgt Ion: 49 Resp: 193300
Ion Ratio Lower Upper
49 100
129 0.0 0.0 5.6
130 93.0 76.6 114.8



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





#29

Tetrahydrofuran

Concen: 222.191 ug/l

RT: 6.44 min Scan# 509

Delta R.T. -0.03 min

Lab File: VD062924.D

Acq: 27 Jun 2019 10:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

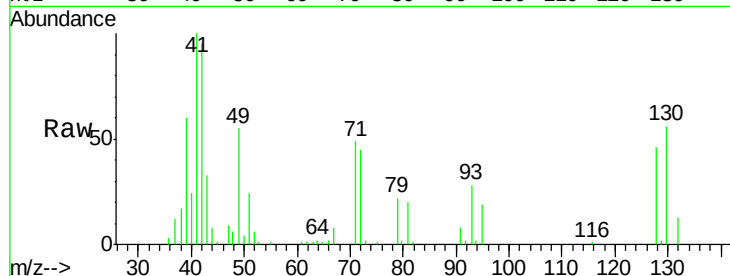
Tot Ion: 42 Resp: 145733

Ion Ratio Lower Upper

42 100

72 41.5 35.0 52.6

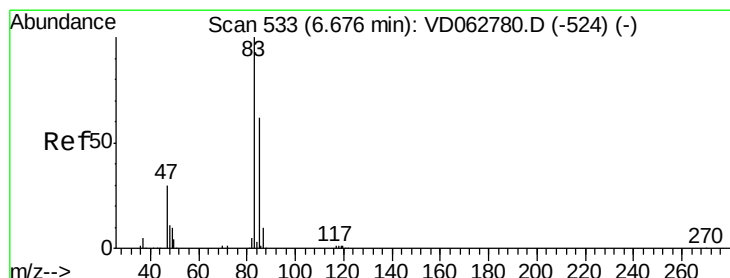
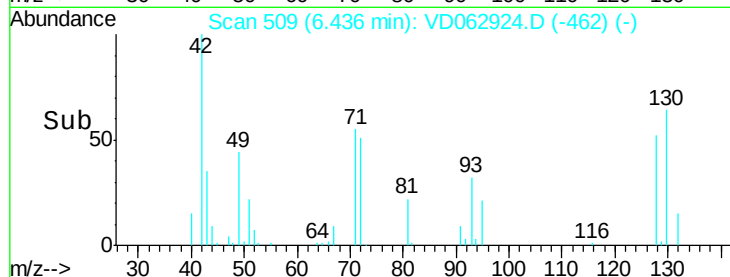
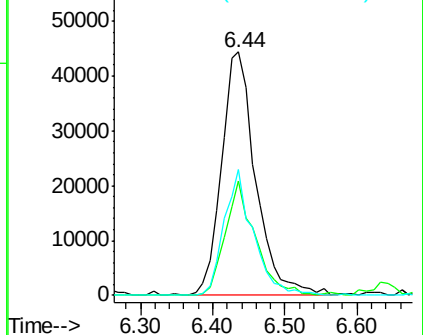
71 44.1 33.3 49.9



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: 51.670 ug/l

RT: 6.63 min Scan# 529

Delta R.T. -0.04 min

Lab File: VD062924.D

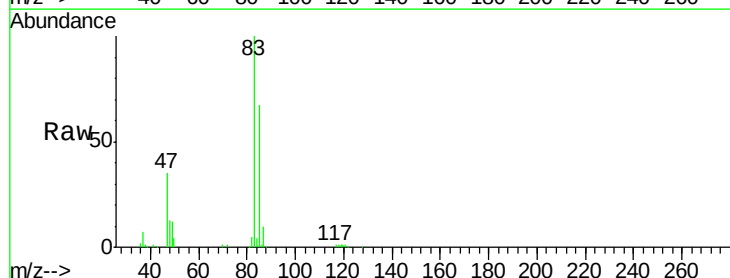
Acq: 27 Jun 2019 10:54

Tgt Ion: 83 Resp: 665309

Ion Ratio Lower Upper

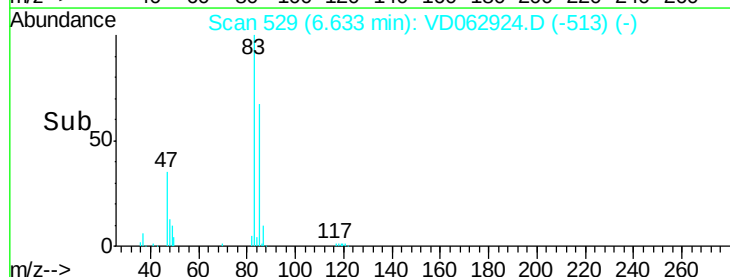
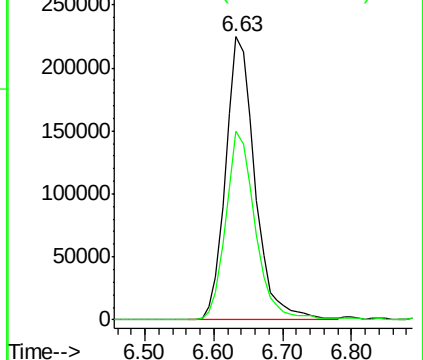
83 100

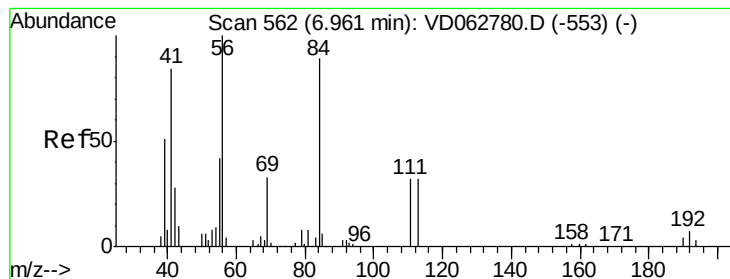
85 66.8 49.8 74.6



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC





#31

Cyclohexane

Concen: 44.237 ug/l

RT: 6.93 min Scan# 559

Delta R.T. -0.03 min

Lab File: VD062924.D

Acq: 27 Jun 2019 10:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

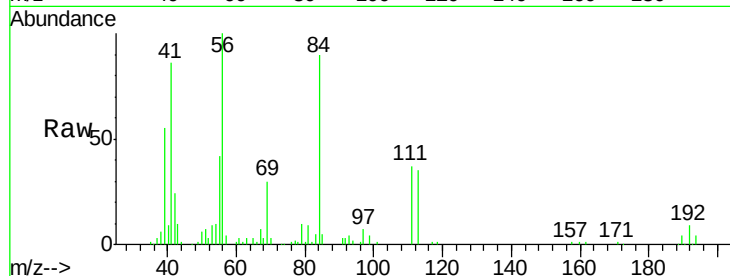
Tot Ion: 56 Resp: 307901

Ion Ratio Lower Upper

56 100

69 30.3 26.6 39.8

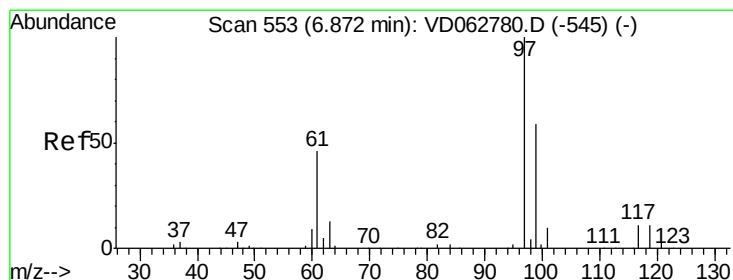
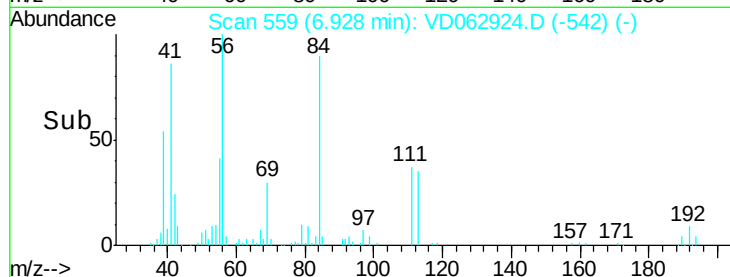
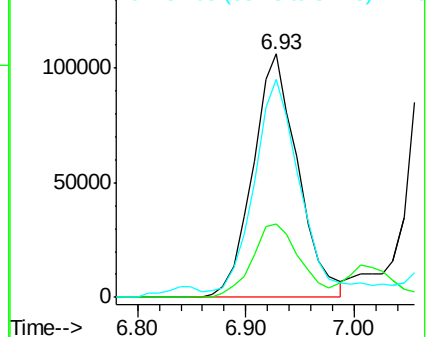
84 89.8 75.5 113.3



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: 54.197 ug/l

RT: 6.84 min Scan# 550

Delta R.T. -0.03 min

Lab File: VD062924.D

Acq: 27 Jun 2019 10:54

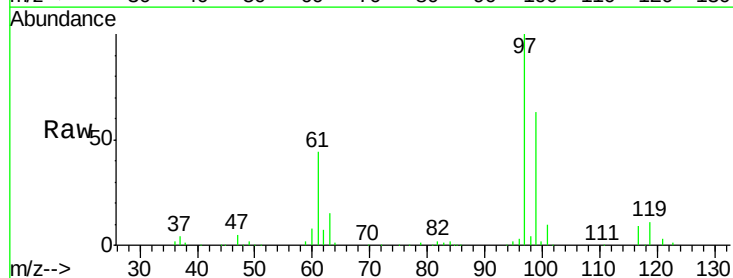
Tgt Ion: 97 Resp: 726855

Ion Ratio Lower Upper

97 100

99 63.3 47.4 71.2

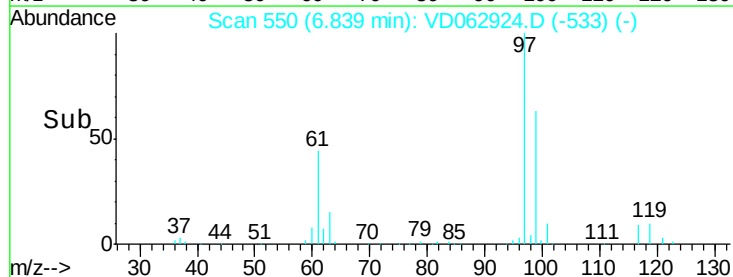
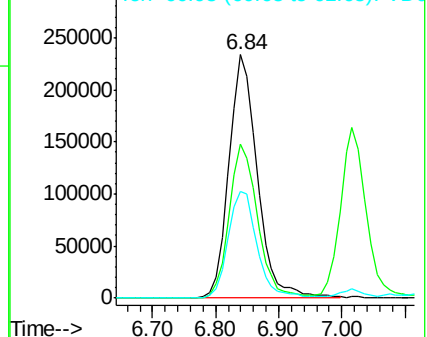
61 44.0 37.2 55.8

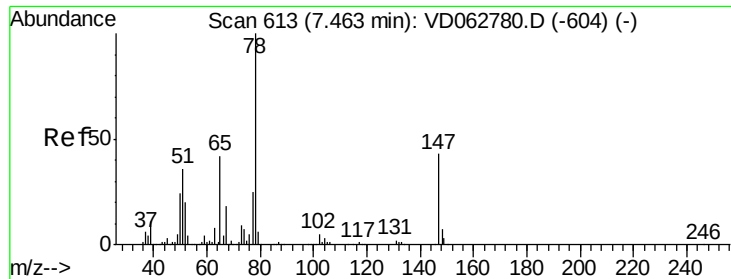


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 98.85 (98.55 to 99.55): VDC

Ion 60.95 (60.65 to 61.65): VDC

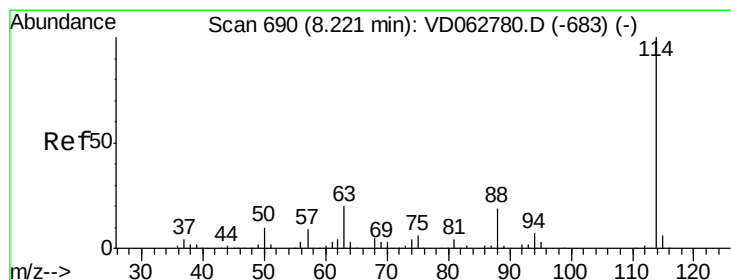
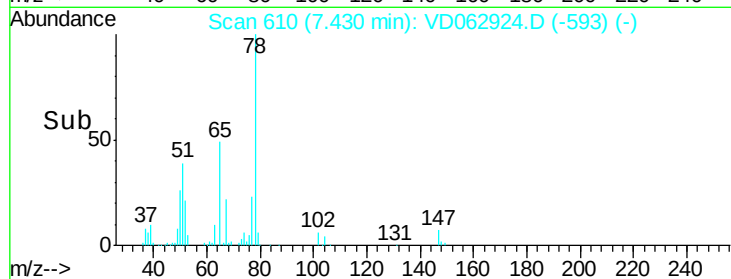
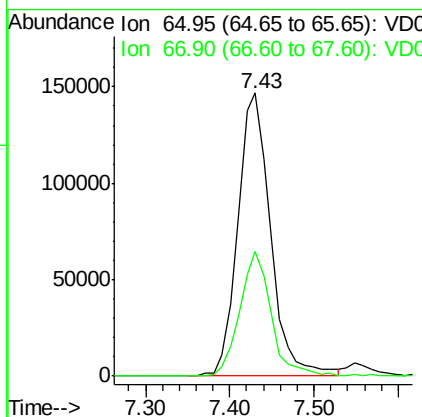
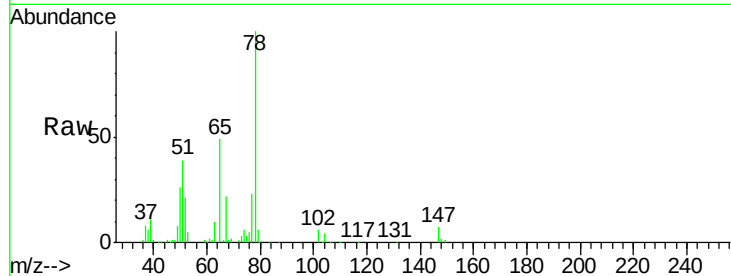




#33
 1,2-Dichloroethane-d4
 Concen: 53.710 ug/l
 RT: 7.43 min Scan# 610
 Delta R.T. -0.03 min
 Lab File: VD062924.D
 Acq: 27 Jun 2019 10:54

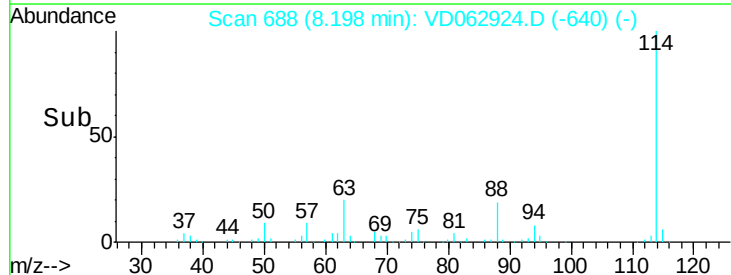
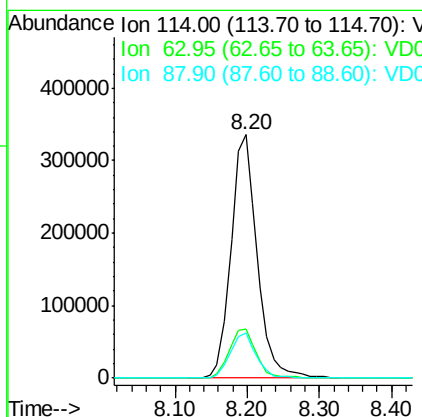
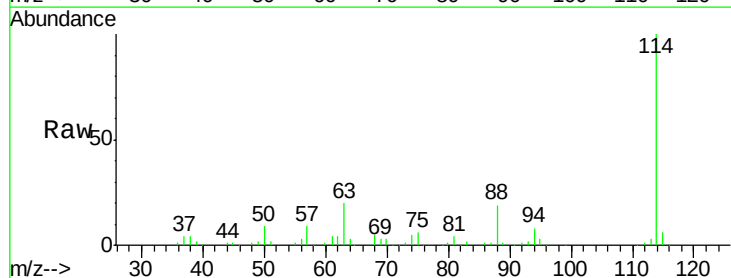
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

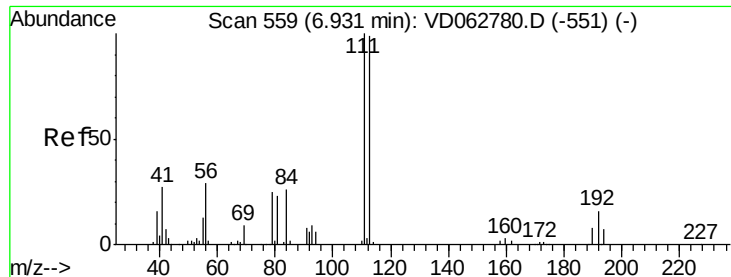
Tot Ion: 65 Resp: 398098
 Ion Ratio Lower Upper
 65 100
 67 44.1 0.0 87.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.20 min Scan# 688
 Delta R.T. -0.02 min
 Lab File: VD062924.D
 Acq: 27 Jun 2019 10:54

Tgt Ion: 114 Resp: 847434
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 40.0
 88 18.6 0.0 38.8

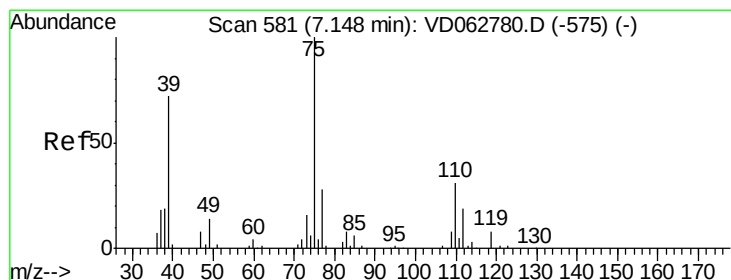
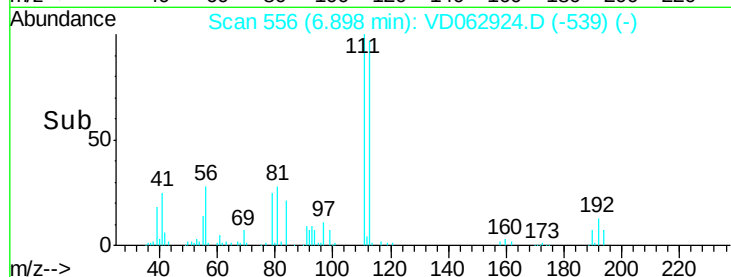
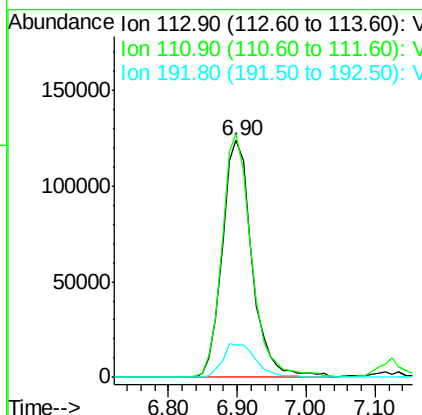
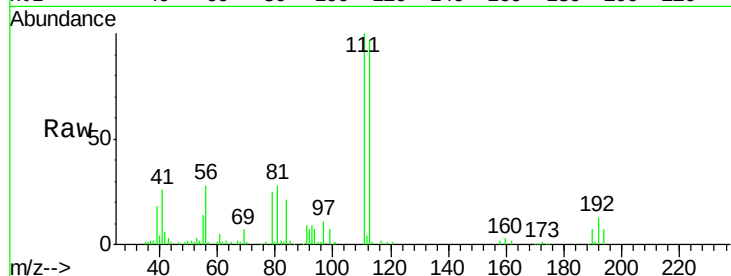




#35
 Dibromofluoromethane
 Concen: 51.797 ug/l
 RT: 6.90 min Scan# 556
 Delta R.T. -0.03 min
 Lab File: VD062924.D
 Acq: 27 Jun 2019 10:54

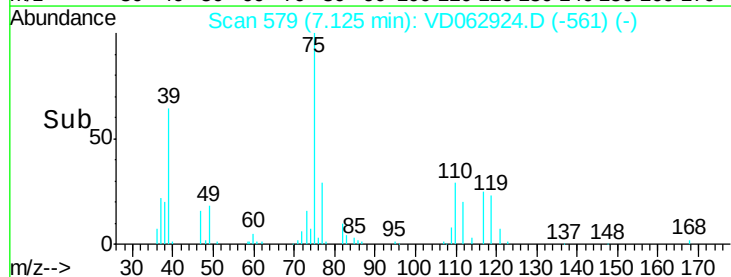
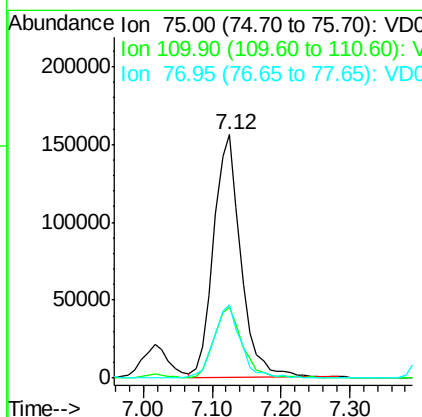
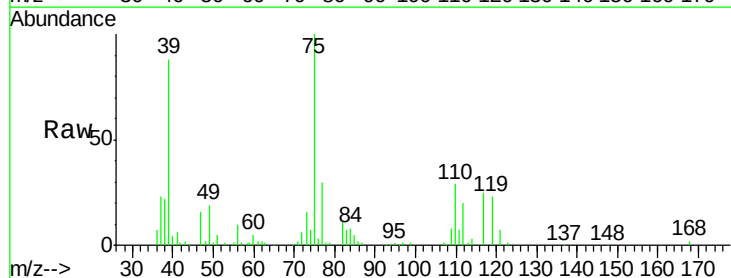
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

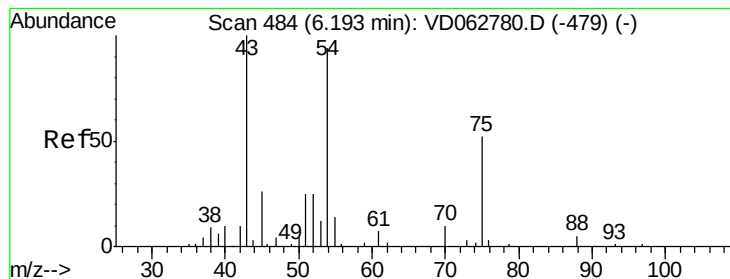
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.2	121.8
192	13.5	12.9	19.3



#36
 1,1-Dichloropropene
 Concen: 53.326 ug/l
 RT: 7.12 min Scan# 579
 Delta R.T. -0.02 min
 Lab File: VD062924.D
 Acq: 27 Jun 2019 10:54

Tgt Ion	Ratio	Lower	Upper
75	100		
110	29.1	15.0	45.1
77	30.1	22.2	33.2





#37

Ethyl Acetate

Concen: 46.357 ug/l

RT: 6.16 min Scan# 481

Delta R.T. -0.03 min

Lab File: VD062924.D

Acq: 27 Jun 2019 10:54

Instrument :

MSVOA_D

ClientSampleID :

VSTDCCC050

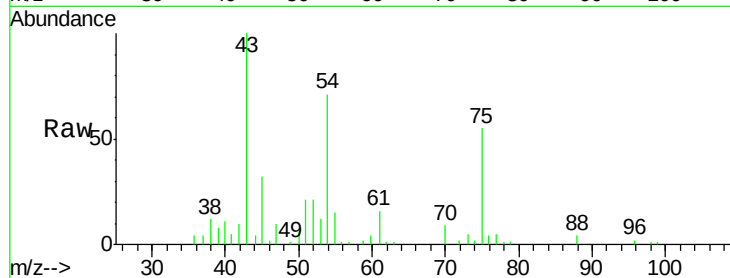
Tot Ion: 43 Resp: 156487

Ion Ratio Lower Upper

43 100

61 16.4 11.6 17.4

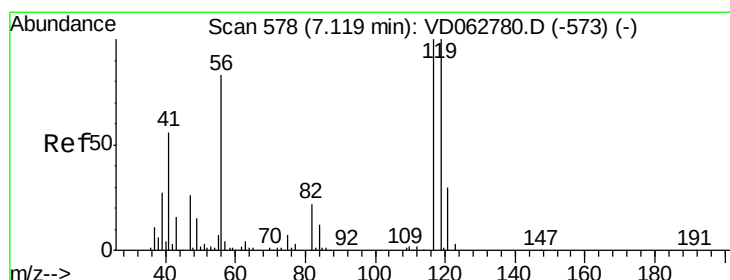
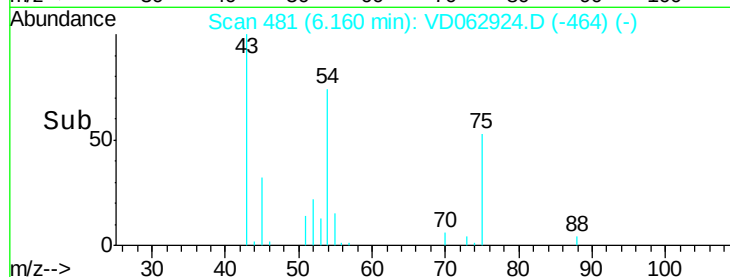
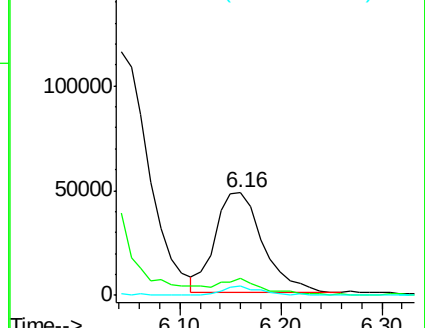
70 8.9 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 59.769 ug/l m

RT: 7.09 min Scan# 575

Delta R.T. -0.03 min

Lab File: VD062924.D

Acq: 27 Jun 2019 10:54

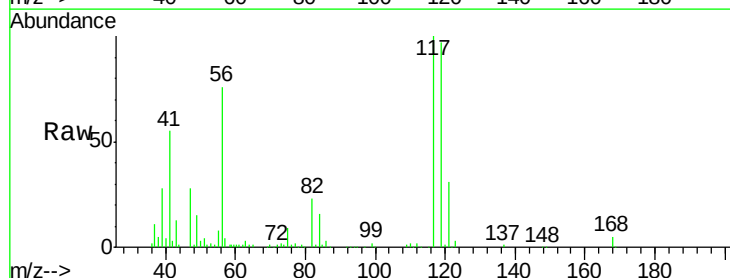
Tgt Ion: 117 Resp: 721116

Ion Ratio Lower Upper

117 100

119 96.8 75.4 113.2

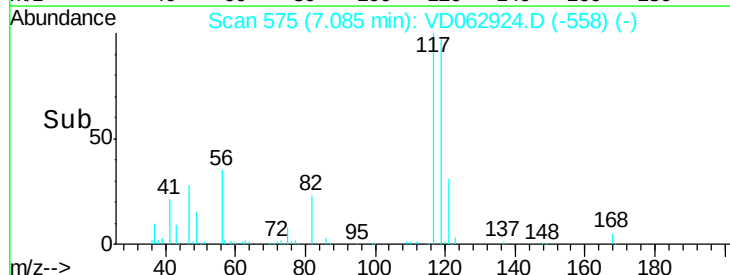
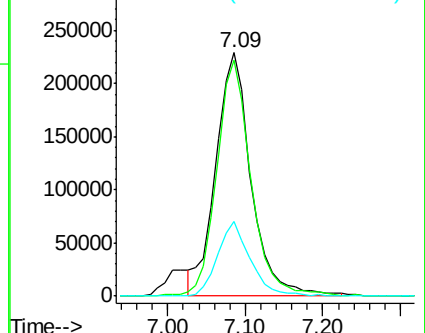
121 30.9 22.3 33.5

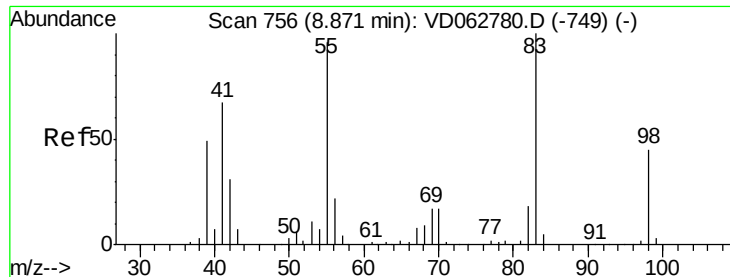


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

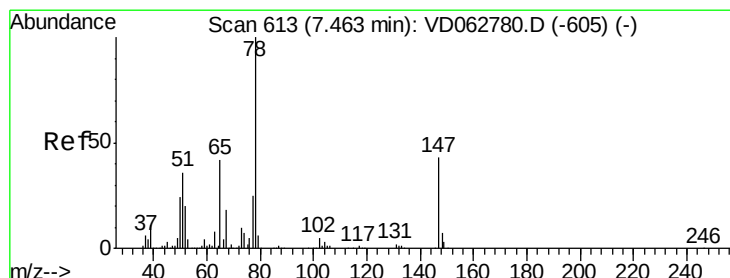
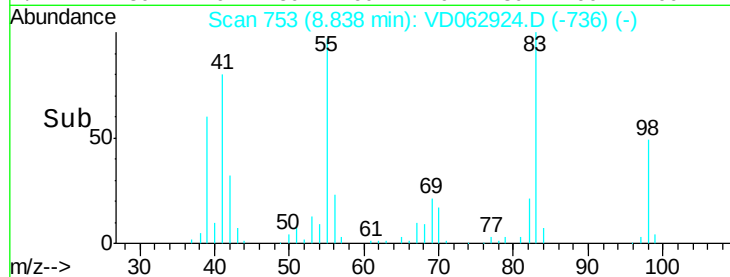
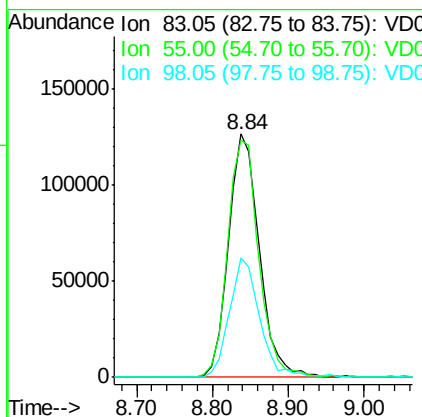
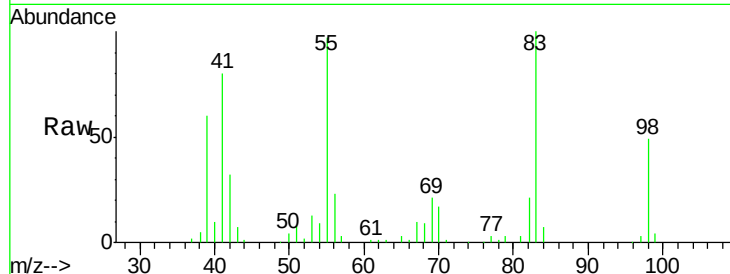




#39
Methylvlcyclohexane
Concen: 50.264 ug/l
RT: 8.84 min Scan# 753
Delta R.T. -0.03 min
Lab File: VD062924.D
Acq: 27 Jun 2019 10:54

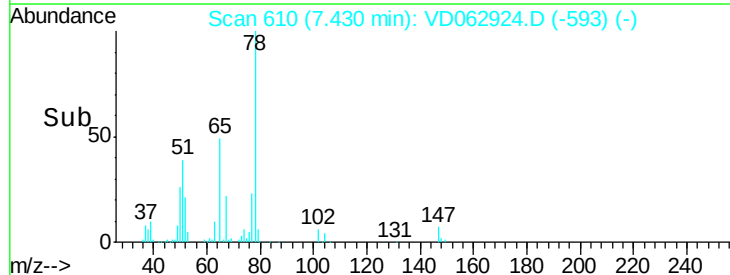
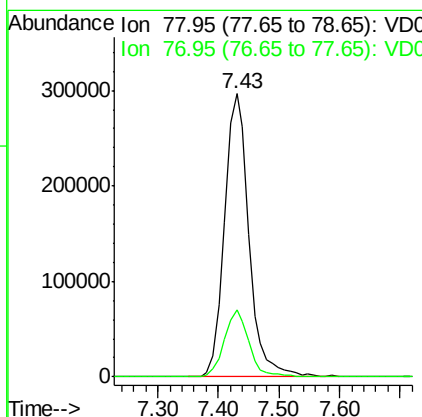
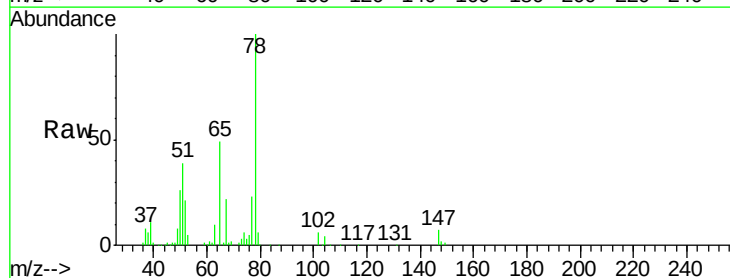
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

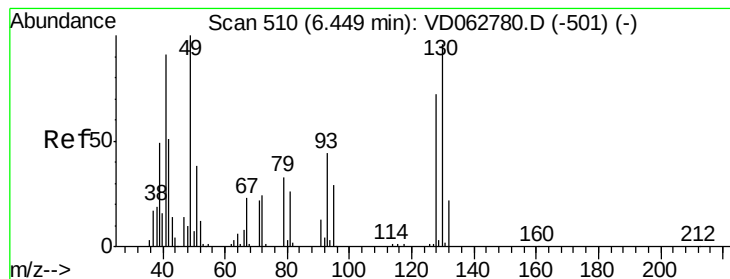
Tot Ion: 83 Resp: 354936
Ion Ratio Lower Upper
83 100
55 97.2 76.6 115.0
98 49.2 35.7 53.5



#40
Benzene
Concen: 51.674 ug/l
RT: 7.43 min Scan# 610
Delta R.T. -0.03 min
Lab File: VD062924.D
Acq: 27 Jun 2019 10:54

Tgt Ion: 78 Resp: 832100
Ion Ratio Lower Upper
78 100
77 23.5 20.2 30.2





#41

Methacrylonitrile

Concen: 49.816 ug/l

RT: 6.43 min Scan# 508

Delta R.T. -0.02 min

Lab File: VD062924.D

Acq: 27 Jun 2019 10:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 210749

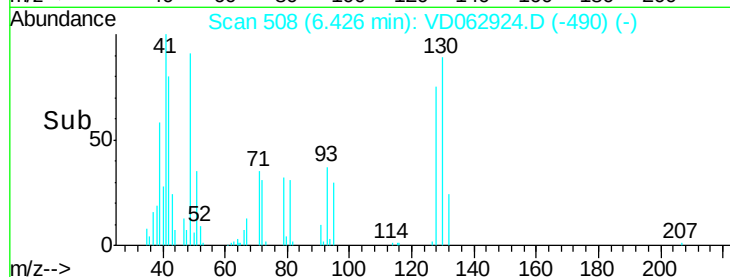
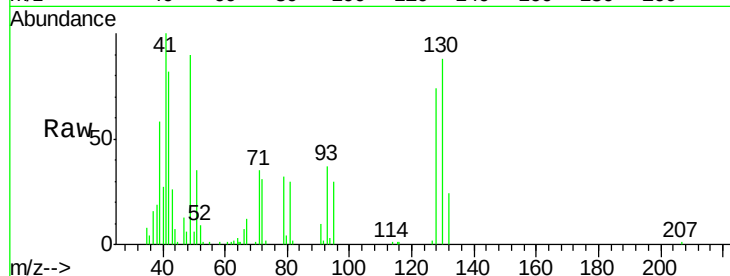
Ion Ratio Lower Upper

41 100

39 58.5 43.2 64.8

67 12.4 19.9 29.9#

52 9.3 10.2 15.4#

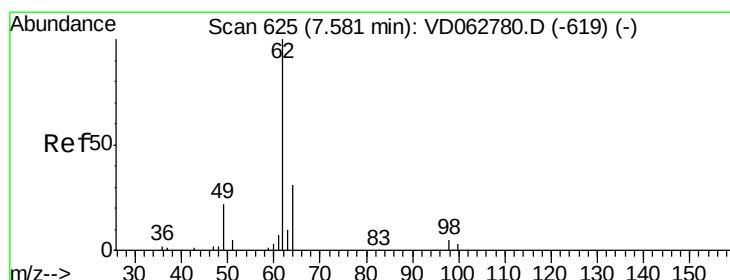
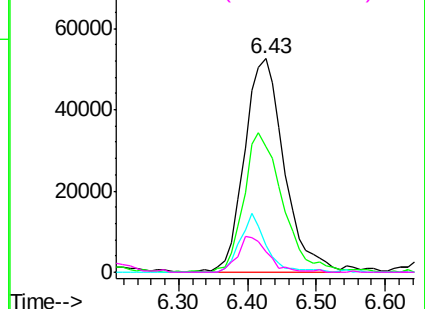


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 59.550 ug/l

RT: 7.55 min Scan# 622

Delta R.T. -0.03 min

Lab File: VD062924.D

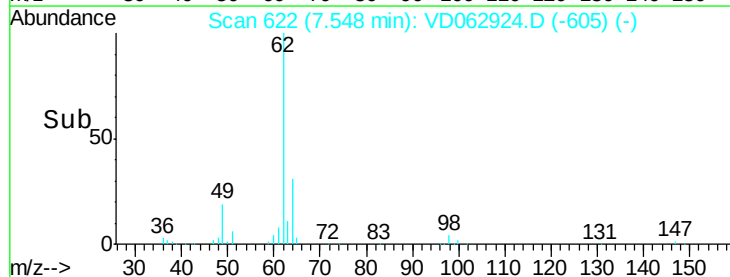
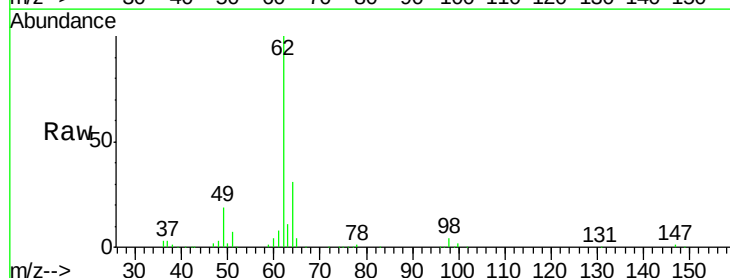
Acq: 27 Jun 2019 10:54

Tgt Ion: 62 Resp: 523119

Ion Ratio Lower Upper

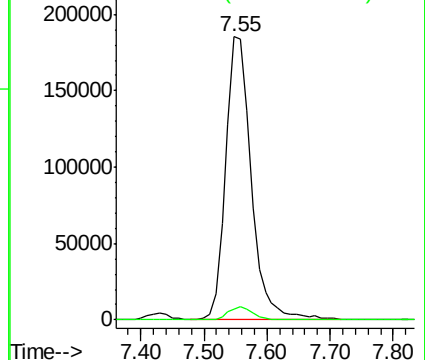
62 100

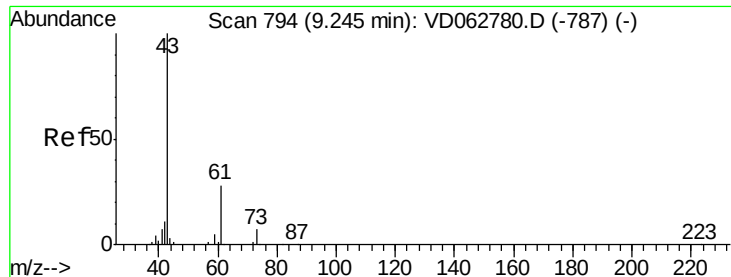
98 3.6 0.0 10.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC

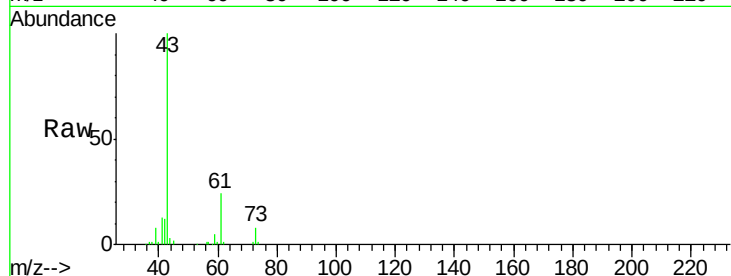




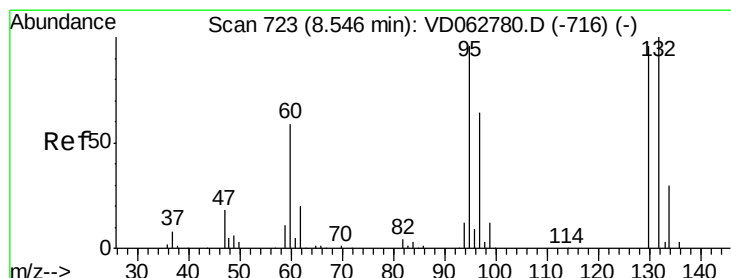
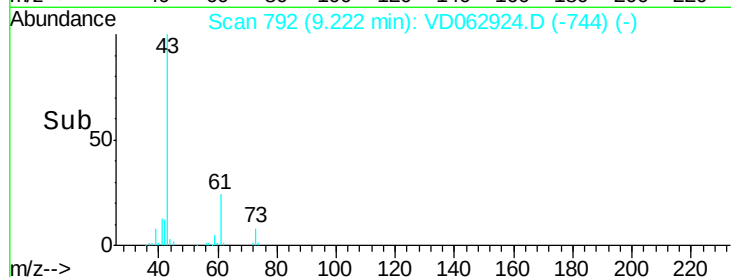
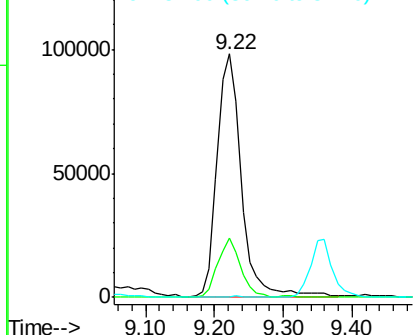
#43
Isopropyl Acetate
Concen: 56.523 ug/l
RT: 9.22 min Scan# 792
Delta R.T. -0.02 min
Lab File: VD062924.D
Acq: 27 Jun 2019 10:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 237722
Ion Ratio Lower Upper
43 100
61 24.5 22.4 33.6
87 0.0 0.3 0.5#

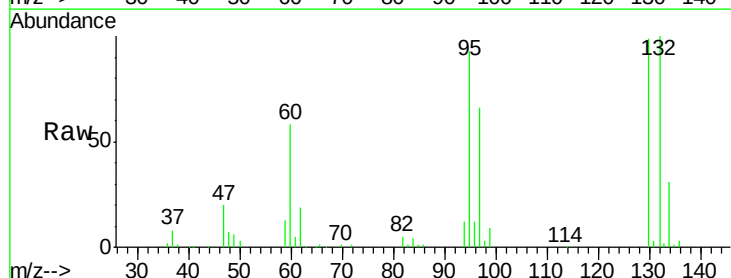


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 87.00 (86.70 to 87.70): VDC

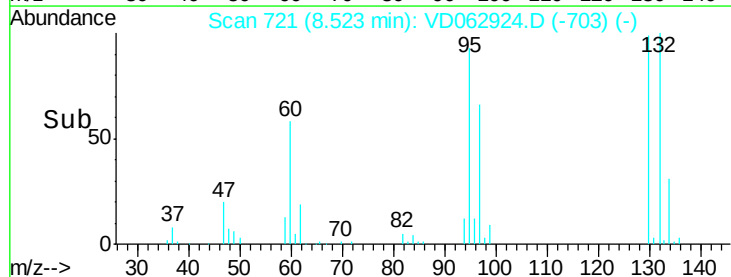
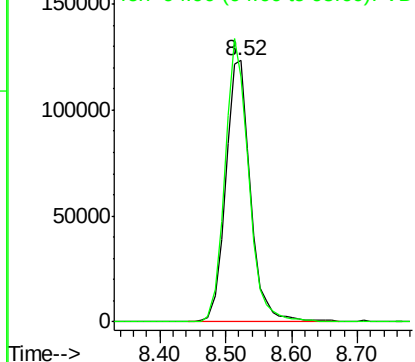


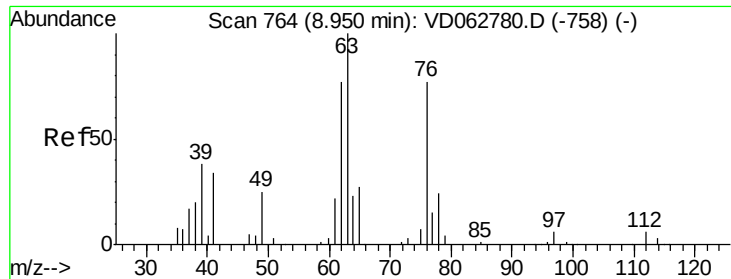
#44
Trichloroethene
Concen: 51.372 ug/l
RT: 8.52 min Scan# 721
Delta R.T. -0.02 min
Lab File: VD062924.D
Acq: 27 Jun 2019 10:54

Tgt Ion:130 Resp: 324312
Ion Ratio Lower Upper
130 100
95 93.9 0.0 201.6



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

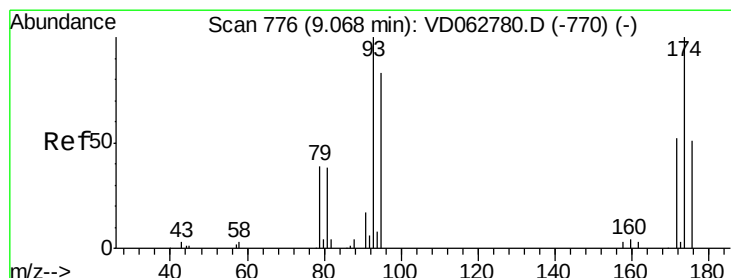
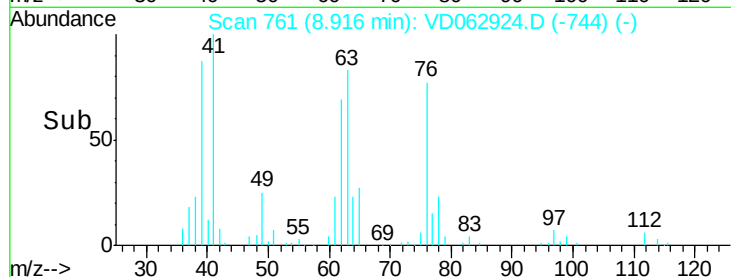
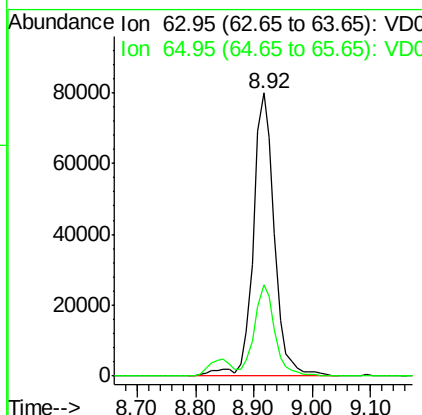
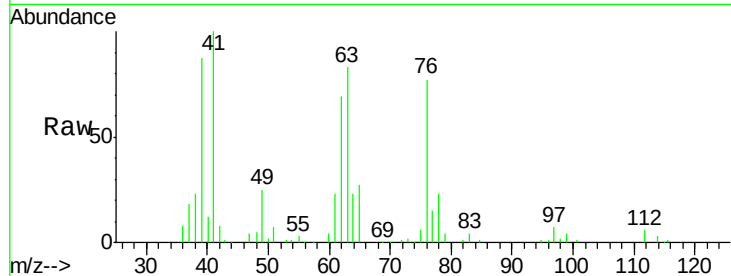




#45
 1,2-Dichloropropane
 Concen: 51.145 ug/l
 RT: 8.92 min Scan# 761
 Delta R.T. -0.03 min
 Lab File: VD062924.D
 Acq: 27 Jun 2019 10:54

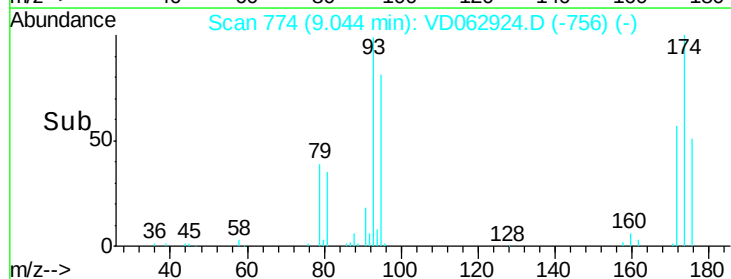
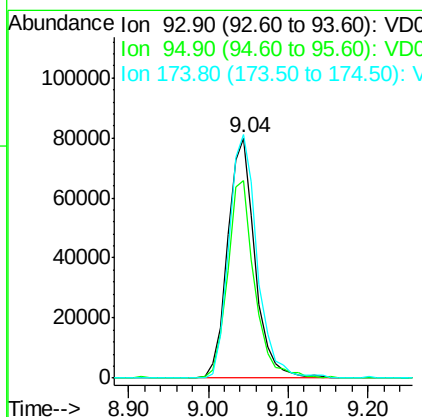
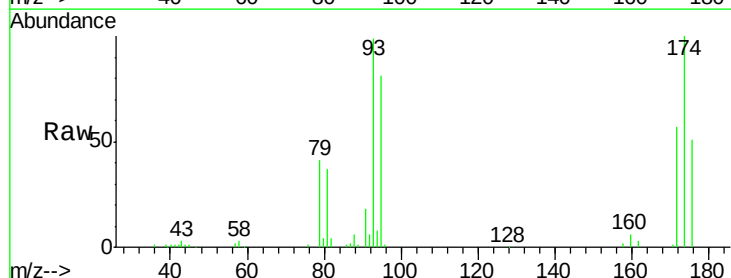
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

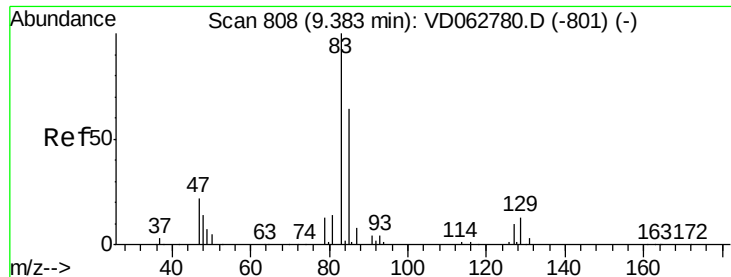
Tot Ion: 63 Resp: 204790
 Ion Ratio Lower Upper
 63 100
 65 32.2 24.2 36.2



#46
 Dibromomethane
 Concen: 55.700 ug/l
 RT: 9.04 min Scan# 774
 Delta R.T. -0.02 min
 Lab File: VD062924.D
 Acq: 27 Jun 2019 10:54

Tgt Ion: 93 Resp: 191583
 Ion Ratio Lower Upper
 93 100
 95 82.4 66.6 100.0
 174 101.5 79.7 119.5





#47

Bromodichloromethane

Concen: 60.503 ug/l

RT: 9.35 min Scan# 805

Delta R.T. -0.03 min

Lab File: VD062924.D

Acq: 27 Jun 2019 10:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

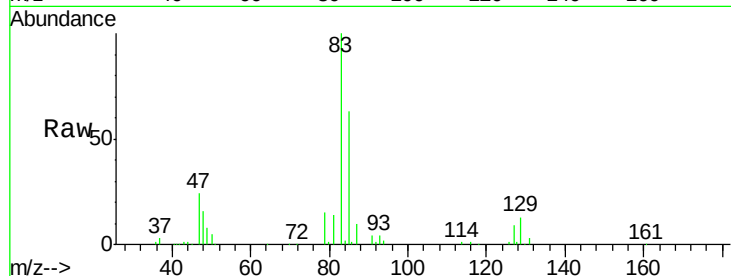
Tot Ion: 83 Resp: 540467

Ion Ratio Lower Upper

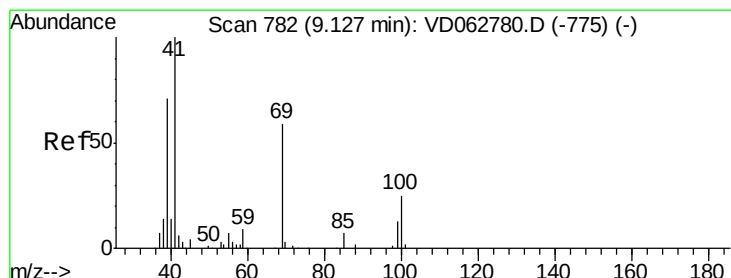
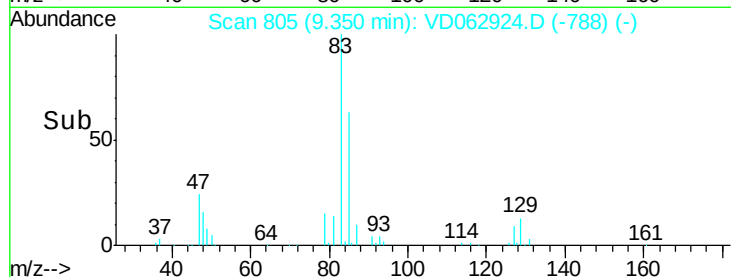
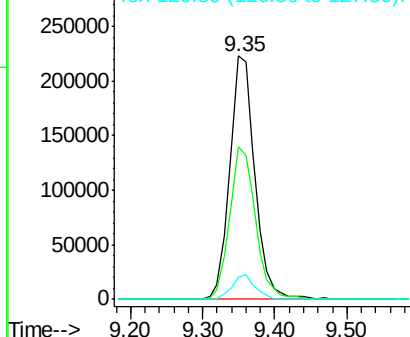
83 100

85 62.9 51.6 77.4

127 8.9 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: 54.568 ug/l

RT: 9.10 min Scan# 780

Delta R.T. -0.02 min

Lab File: VD062924.D

Acq: 27 Jun 2019 10:54

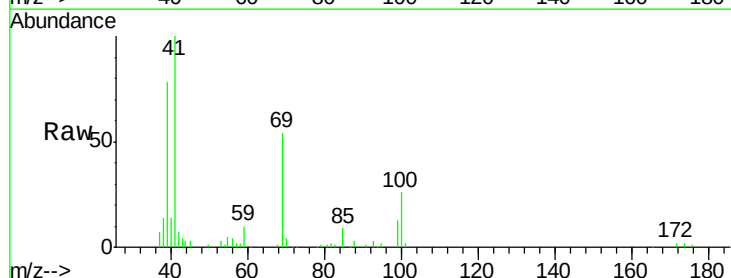
Tgt Ion: 41 Resp: 163090

Ion Ratio Lower Upper

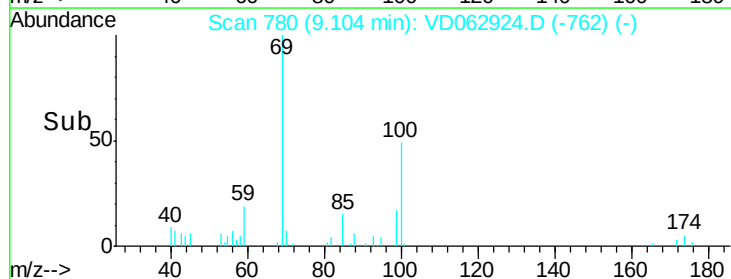
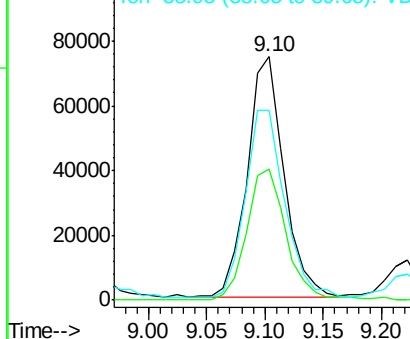
41 100

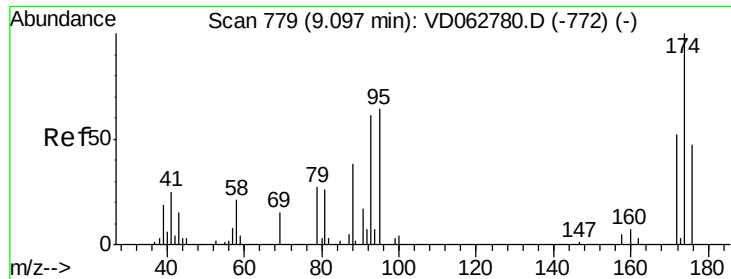
69 53.9 47.2 70.8

39 78.1 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

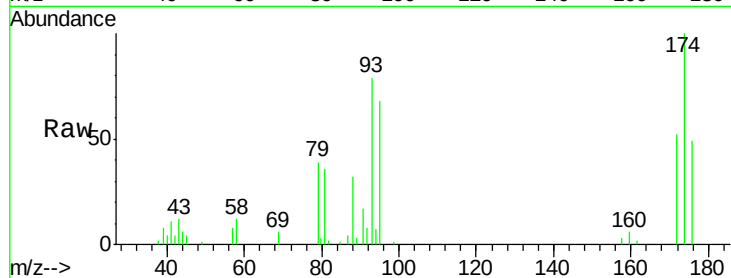




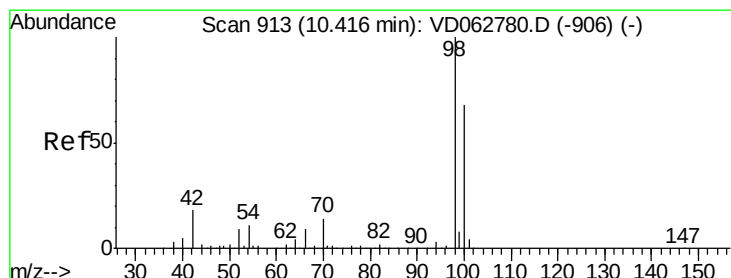
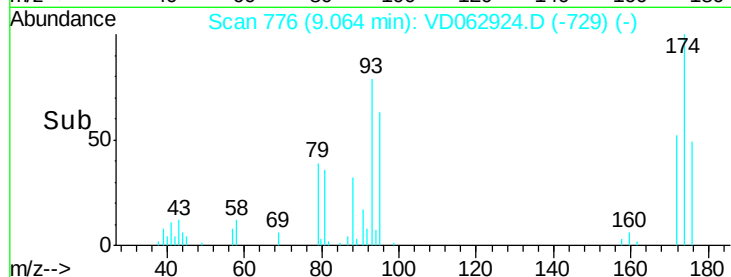
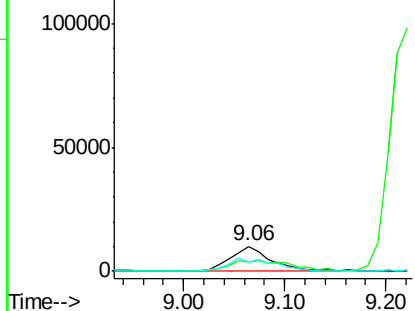
#49
1,4-Dioxane
Concen: 1113.563 ug/l
RT: 9.06 min Scan# 776
Delta R.T. -0.03 min
Lab File: VD062924.D
Acq: 27 Jun 2019 10:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 27689
Ion Ratio Lower Upper
88 100
43 38.0 32.1 48.1
58 38.1 44.1 66.1#

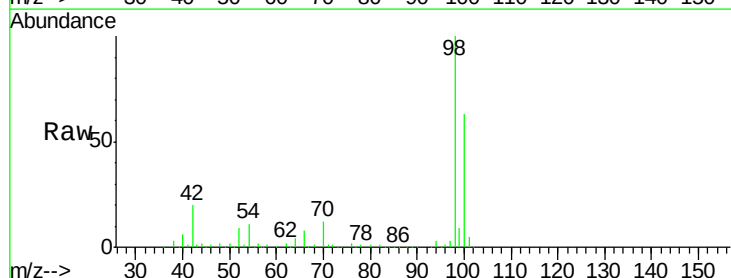


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

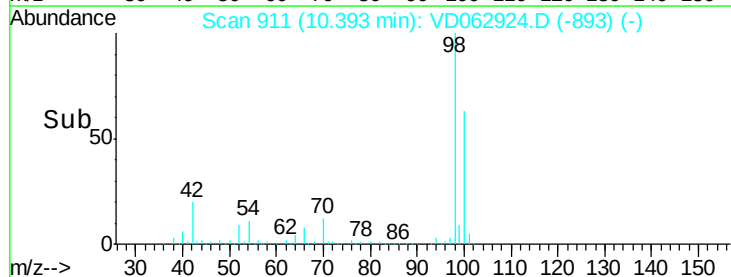
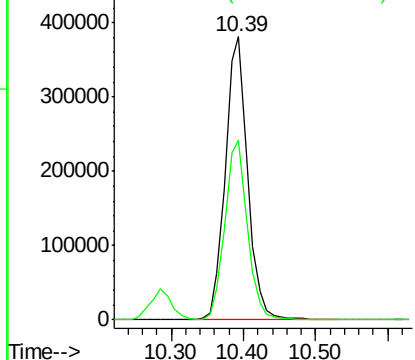


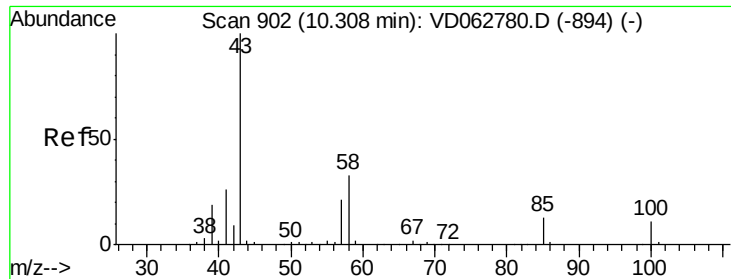
#50
Toluene-d8
Concen: 52.459 ug/l
RT: 10.39 min Scan# 911
Delta R.T. -0.02 min
Lab File: VD062924.D
Acq: 27 Jun 2019 10:54

Tgt Ion: 98 Resp: 815844
Ion Ratio Lower Upper
98 100
100 63.3 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: 277.257 ug/l

RT: 10.28 min Scan# 900

Delta R.T. -0.02 min

Lab File: VD062924.D

Acq: 27 Jun 2019 10:54

Instrument :

MSVOA_D

ClientSampleId :

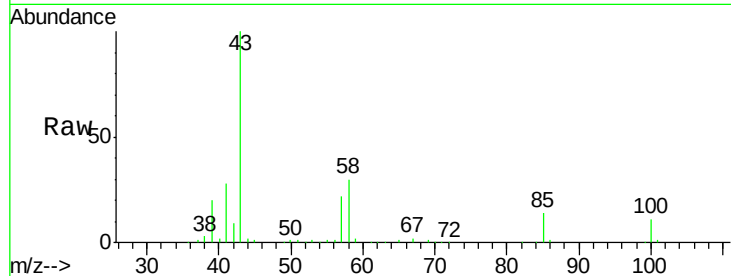
VSTDCCC050

Tot Ion: 43 Resp: 826739

Ion Ratio Lower Upper

43 100

58 29.7 26.6 40.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.28

400000

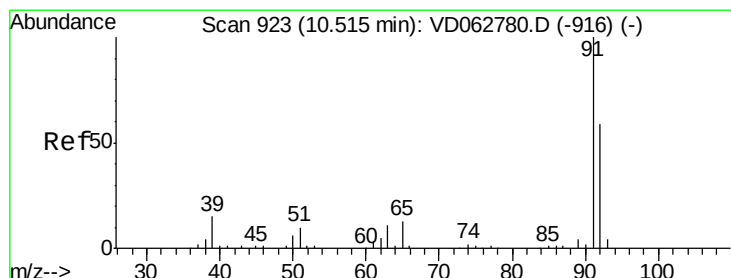
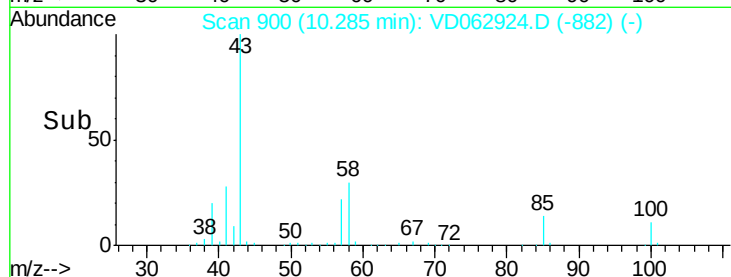
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 54.598 ug/l

RT: 10.49 min Scan# 921

Delta R.T. -0.02 min

Lab File: VD062924.D

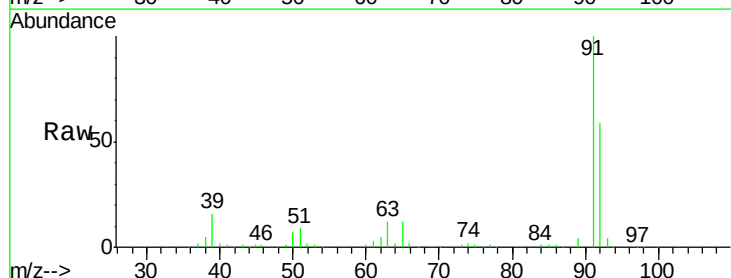
Acq: 27 Jun 2019 10:54

Tgt Ion: 92 Resp: 590991

Ion Ratio Lower Upper

92 100

91 170.6 136.3 204.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

500000

400000

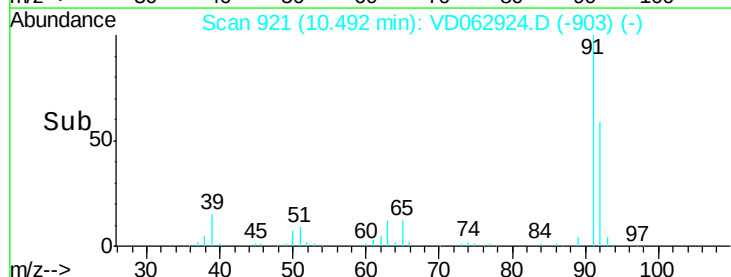
300000

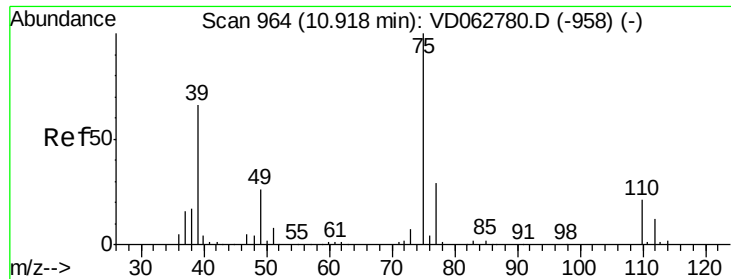
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 60.436 ug/l

RT: 10.90 min Scan# 962

Delta R.T. -0.02 min

Lab File: VD062924.D

Acq: 27 Jun 2019 10:54

Instrument :

MSVOA_D

ClientSampleId :

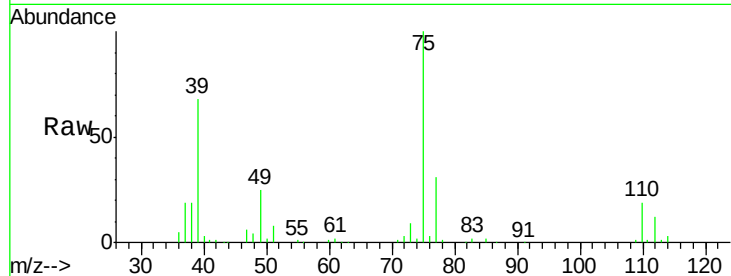
VSTDCCC050

Tot Ion: 75 Resp: 441874

Ion Ratio Lower Upper

75 100

77 30.5 23.2 34.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

10.90

200000

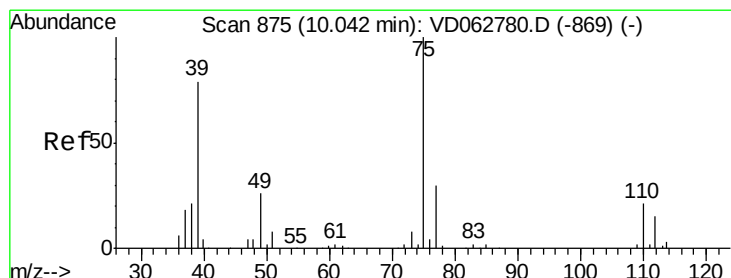
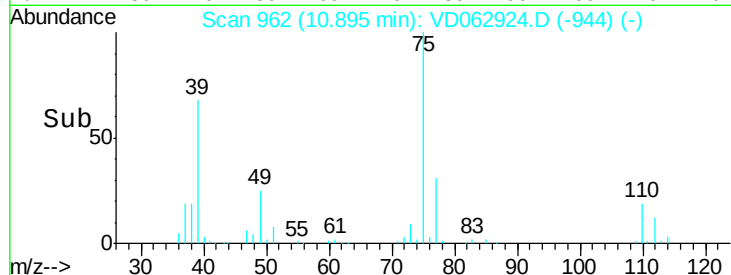
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 56.609 ug/l

RT: 10.02 min Scan# 873

Delta R.T. -0.02 min

Lab File: VD062924.D

Acq: 27 Jun 2019 10:54

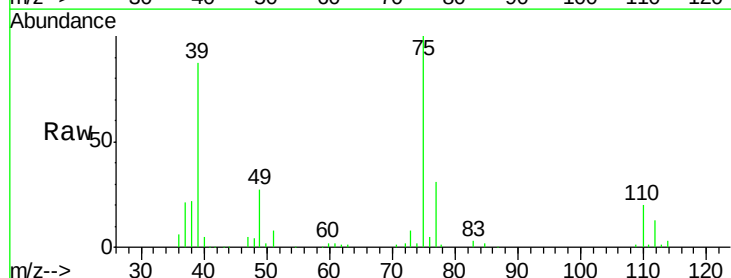
Tgt Ion: 75 Resp: 449871

Ion Ratio Lower Upper

75 100

77 31.3 24.2 36.2

39 86.5 63.5 95.3



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

10.02

250000

200000

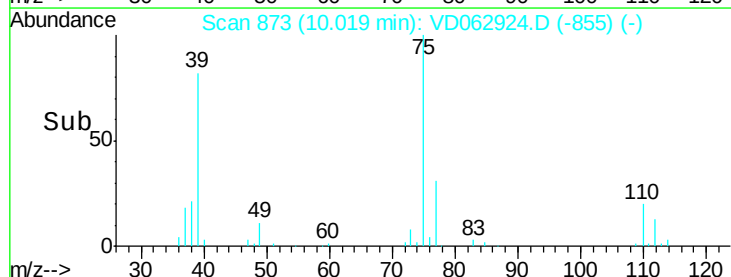
150000

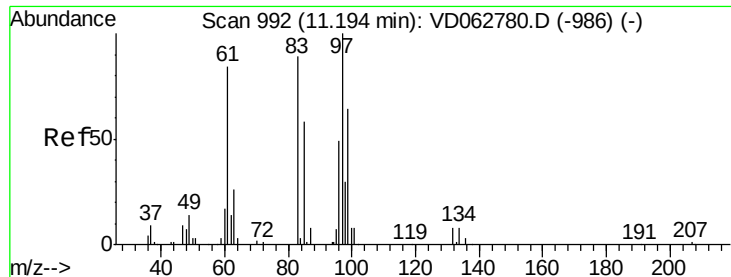
100000

50000

0

Time-->

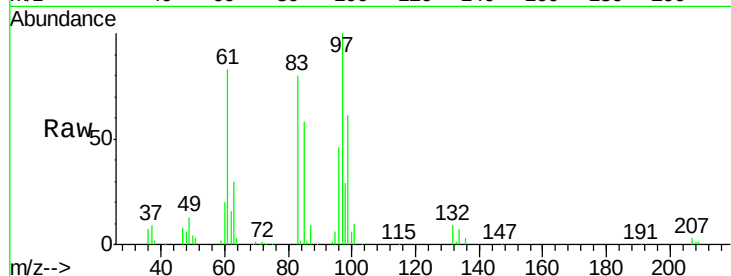




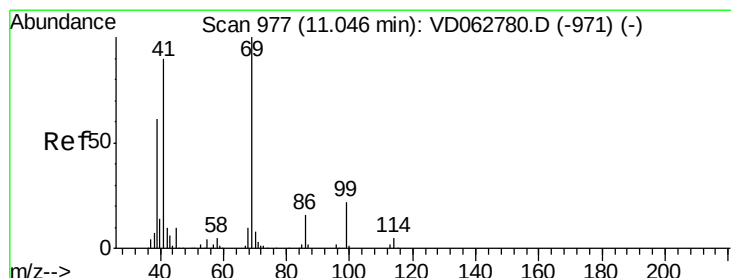
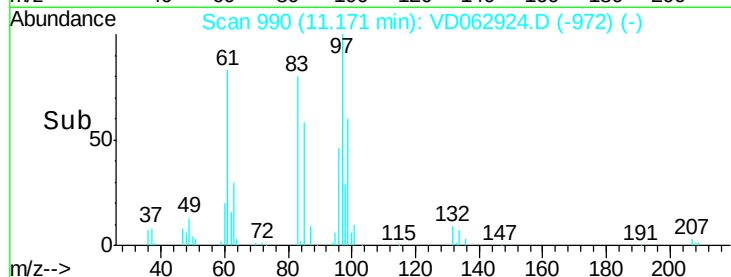
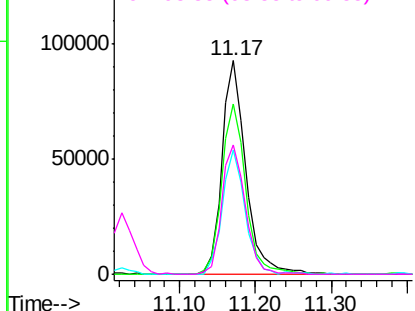
#55
 1,1,2-Trichloroethane
 Concen: 54.133 ug/l
 RT: 11.17 min Scan# 990
 Delta R.T. -0.02 min
 Lab File: VD062924.D
 Acq: 27 Jun 2019 10:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	201314
Ion	Ratio	Lower	Upper
97	100		
83	79.9	71.0	106.4
85	57.9	46.6	69.8
99	60.8	51.4	77.0

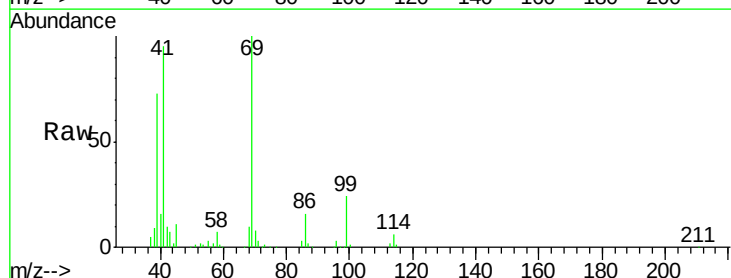


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

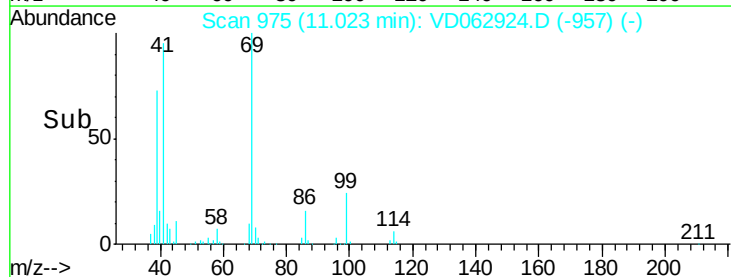
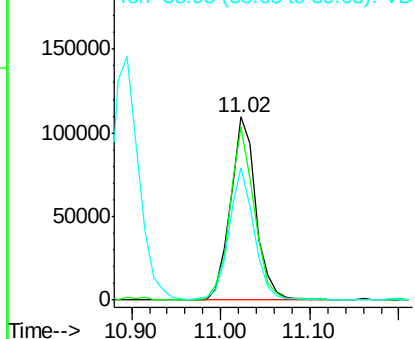


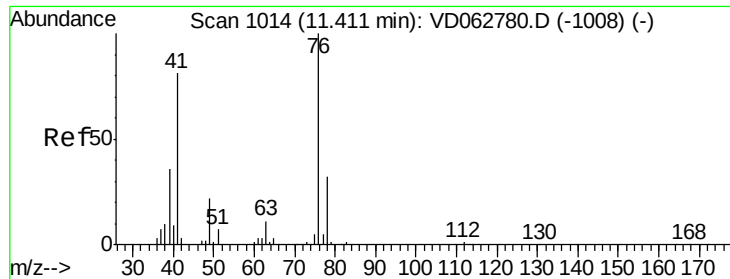
#56
 Ethyl methacrylate
 Concen: 55.208 ug/l
 RT: 11.02 min Scan# 975
 Delta R.T. -0.02 min
 Lab File: VD062924.D
 Acq: 27 Jun 2019 10:54

Tgt Ion:	69	Resp:	219412
Ion	Ratio	Lower	Upper
69	100		
41	94.6	72.0	108.0
39	72.6	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: 53.871 ug/l

RT: 11.39 min Scan# 1012

Delta R.T. -0.02 min

Lab File: VD062924.D

Acq: 27 Jun 2019 10:54

Instrument :

MSVOA_D

ClientSampleId :

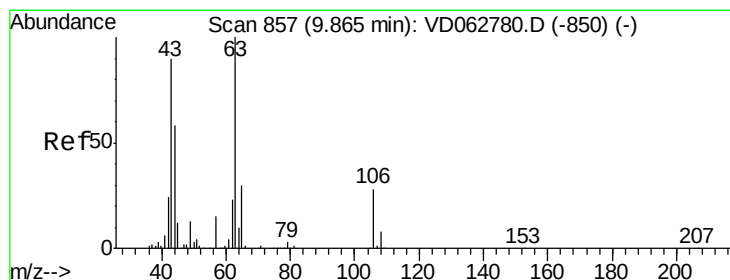
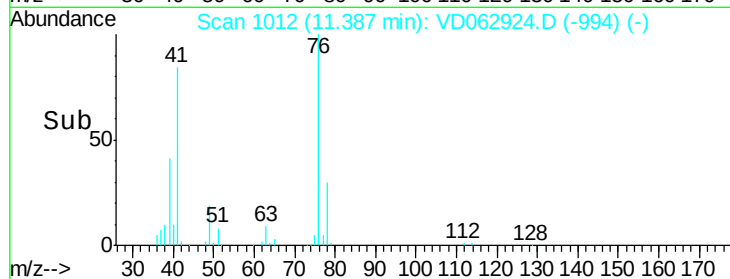
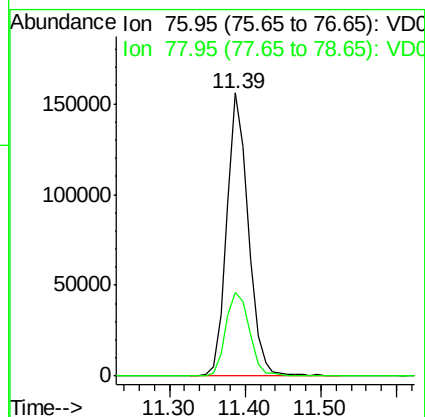
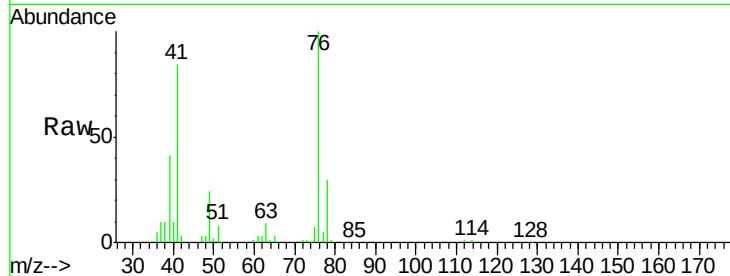
VSTDCCC050

Tot Ion: 76 Resp: 306751

Ion Ratio Lower Upper

76 100

78 29.7 25.4 38.0



#58

2-Chloroethyl Vinyl ether

Concen: 270.322 ug/l

RT: 9.83 min Scan# 854

Delta R.T. -0.03 min

Lab File: VD062924.D

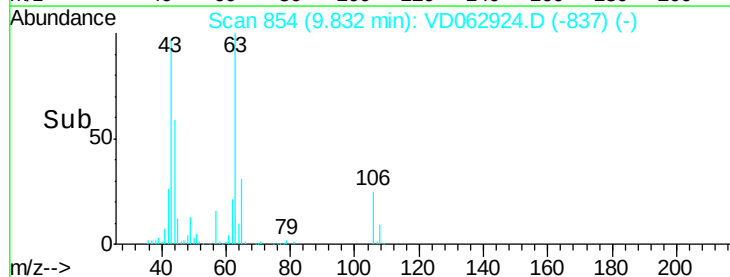
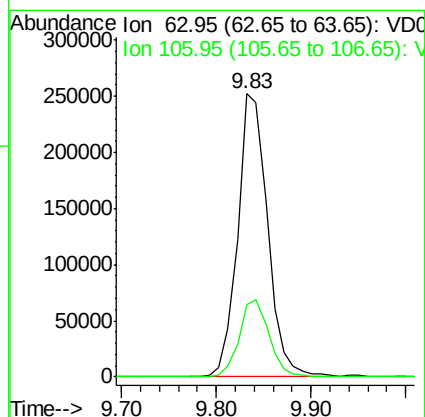
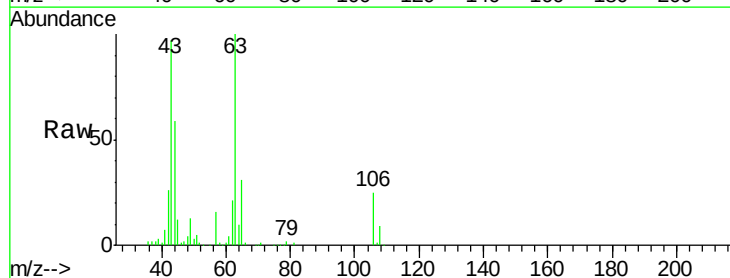
Acq: 27 Jun 2019 10:54

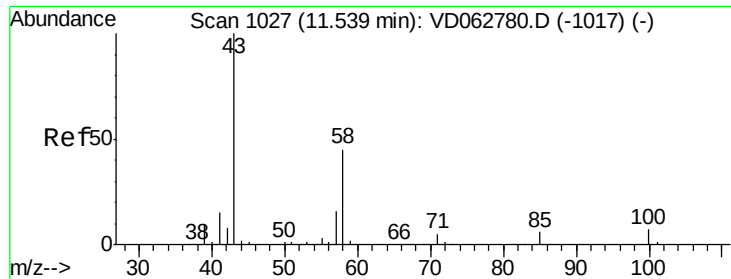
Tgt Ion: 63 Resp: 551550

Ion Ratio Lower Upper

63 100

106 25.4 22.1 33.1

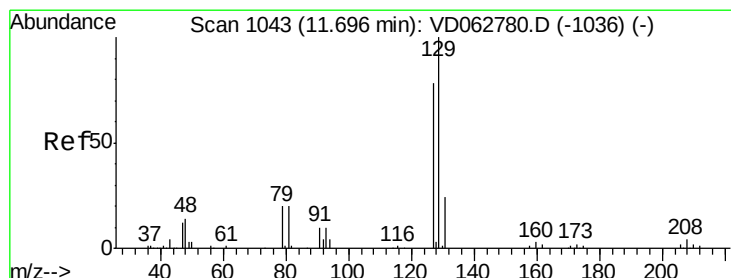
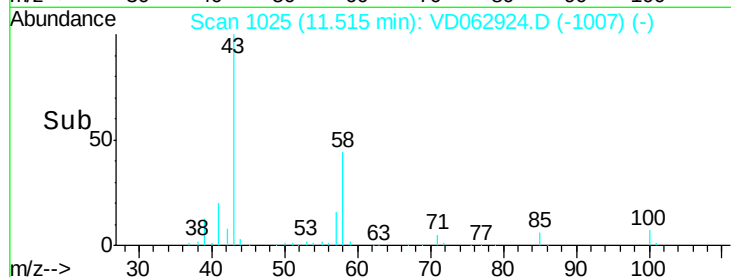
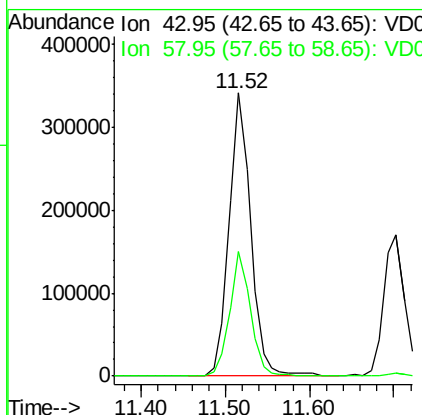
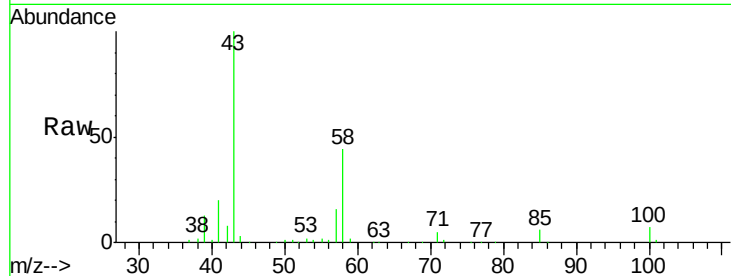




#59
2-Hexanone
Concen: 289.074 ug/l
RT: 11.52 min Scan# 1025
Delta R.T. -0.02 min
Lab File: VD062924.D
Acq: 27 Jun 2019 10:54

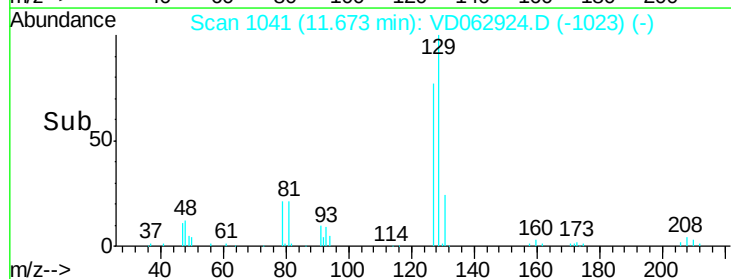
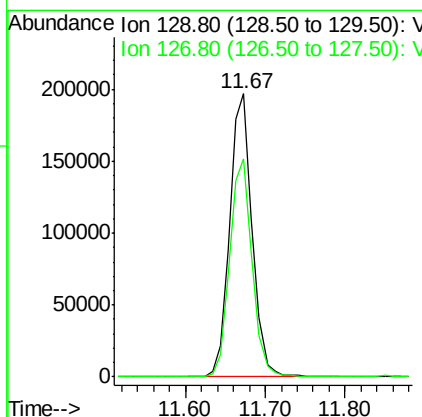
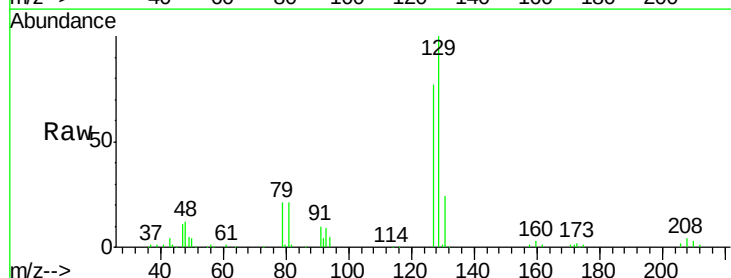
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

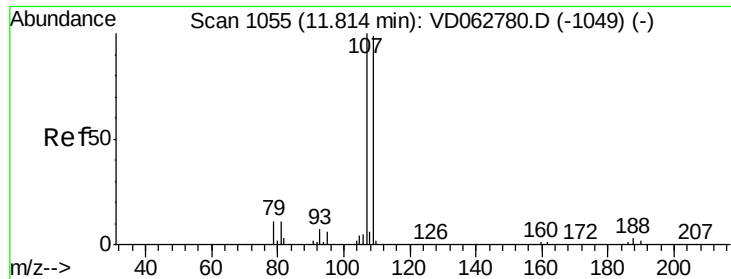
Tot Ion: 43 Resp: 613890
Ion Ratio Lower Upper
43 100
58 43.9 22.4 67.2



#60
Dibromochloromethane
Concen: 56.050 ug/l
RT: 11.67 min Scan# 1041
Delta R.T. -0.02 min
Lab File: VD062924.D
Acq: 27 Jun 2019 10:54

Tgt Ion: 129 Resp: 388253
Ion Ratio Lower Upper
129 100
127 77.0 38.9 116.6

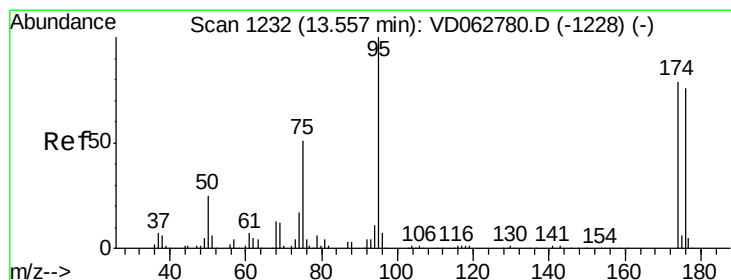
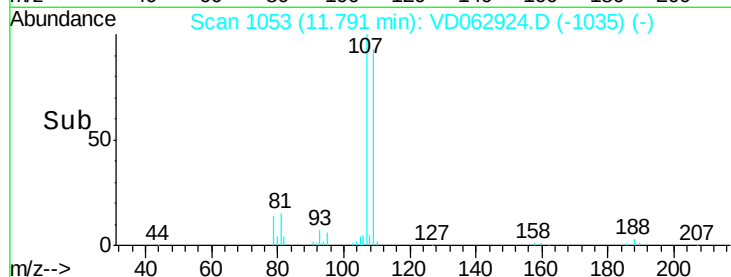
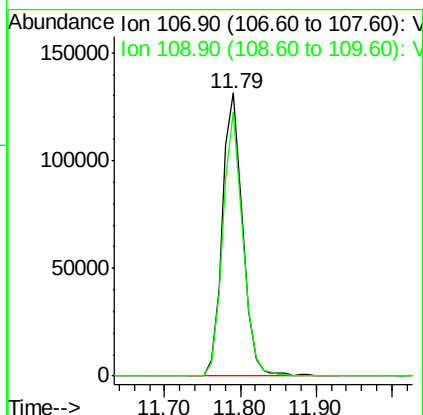
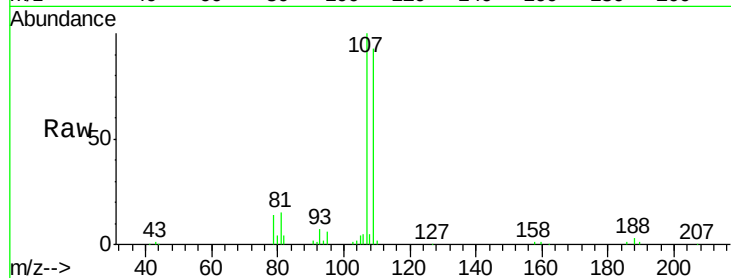




#61
 1,2-Dibromoethane
 Concen: 55.707 ug/l
 RT: 11.79 min Scan# 1053
 Delta R.T. -0.02 min
 Lab File: VD062924.D
 Acq: 27 Jun 2019 10:54

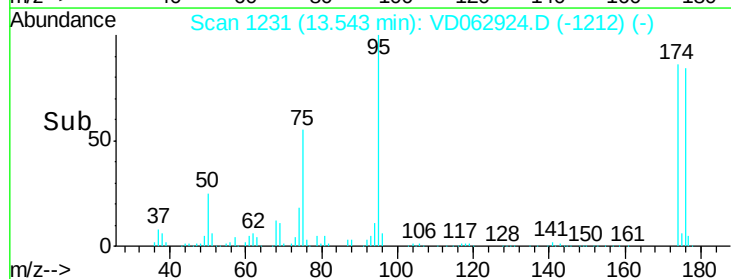
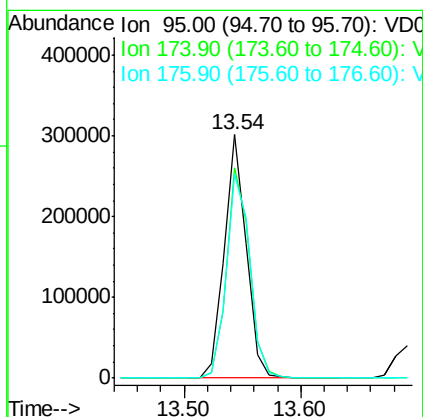
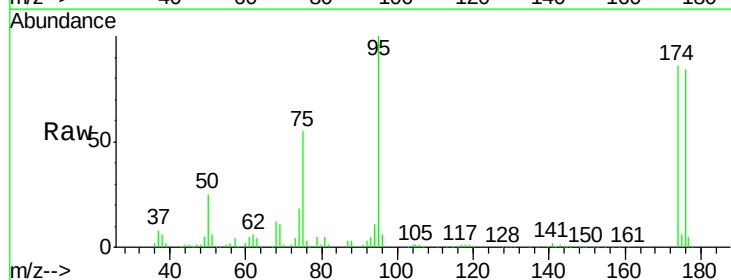
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

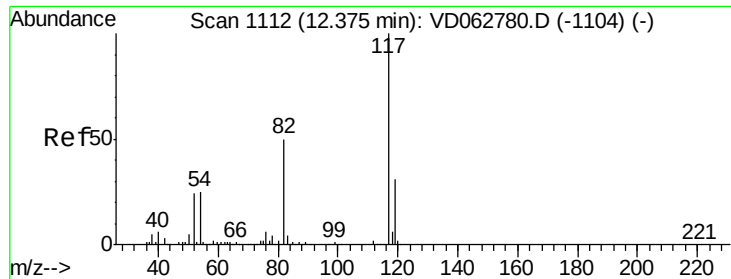
Tot Ion:107 Resp: 244674
 Ion Ratio Lower Upper
 107 100
 109 93.2 79.3 118.9



#62
 4-Bromofluorobenzene
 Concen: 55.610 ug/l
 RT: 13.54 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: VD062924.D
 Acq: 27 Jun 2019 10:54

Tgt Ion: 95 Resp: 393248
 Ion Ratio Lower Upper
 95 100
 174 86.5 0.0 158.0
 176 83.6 0.0 151.6

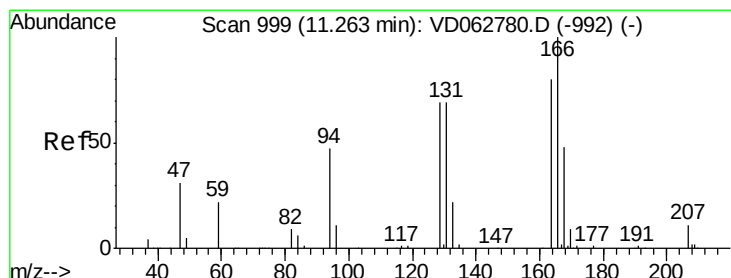
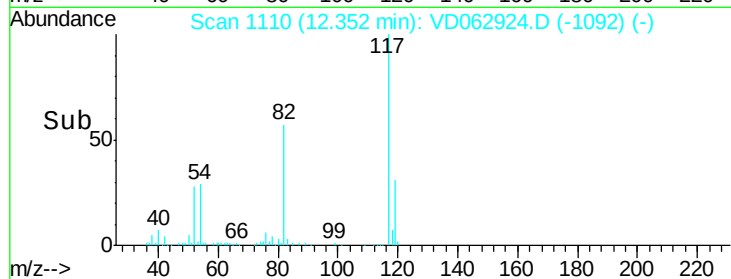
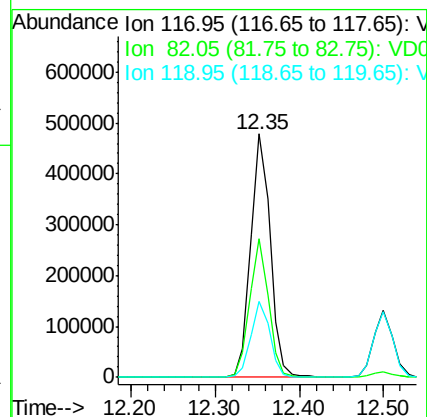
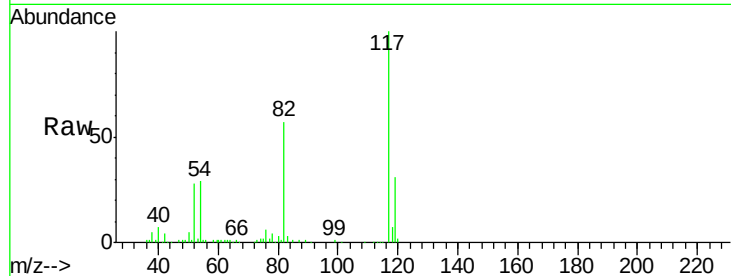




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1110
Delta R.T. -0.02 min
Lab File: VD062924.D
Acq: 27 Jun 2019 10:54

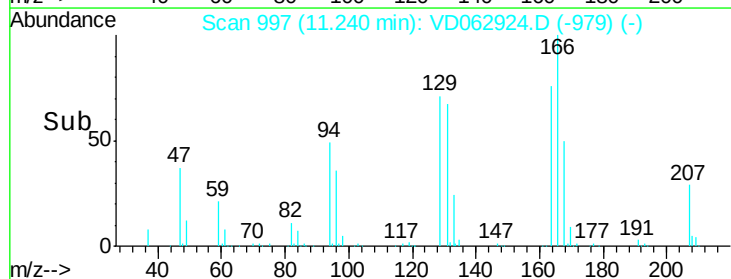
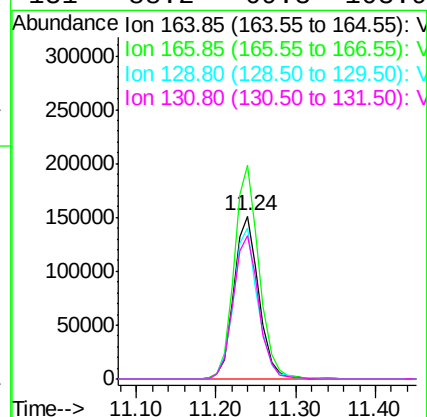
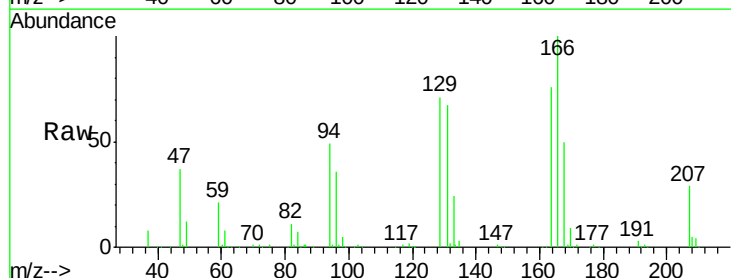
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

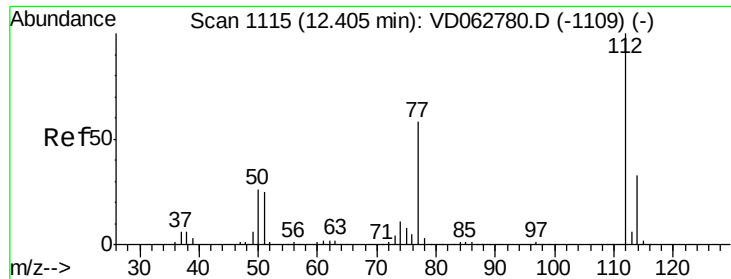
Tot Ion:117 Resp: 780023
Ion Ratio Lower Upper
117 100
82 56.7 40.4 60.6
119 31.3 25.2 37.8



#64
Tetrachloroethene
Concen: 51.707 ug/l
RT: 11.24 min Scan# 997
Delta R.T. -0.02 min
Lab File: VD062924.D
Acq: 27 Jun 2019 10:54

Tgt Ion:164 Resp: 331948
Ion Ratio Lower Upper
164 100
166 130.9 100.6 150.8
129 92.9 69.4 104.0
131 88.2 69.3 103.9

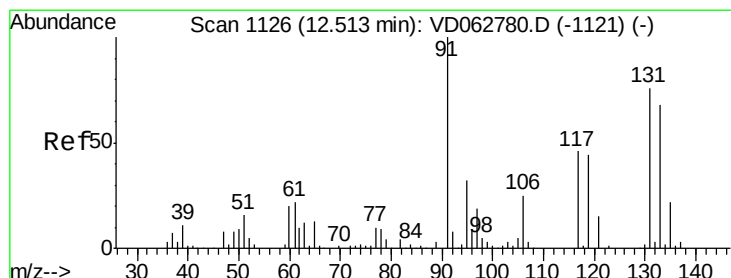
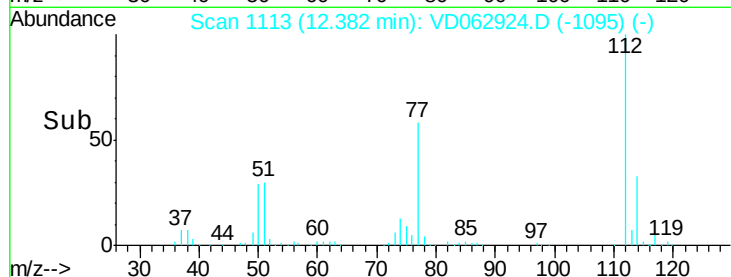
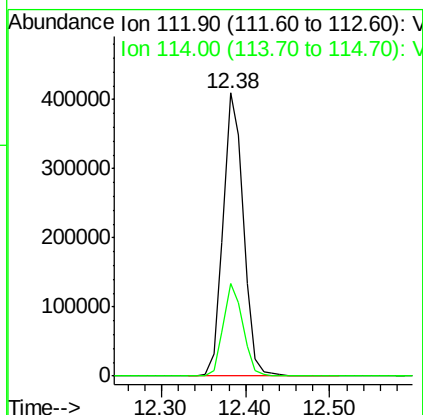
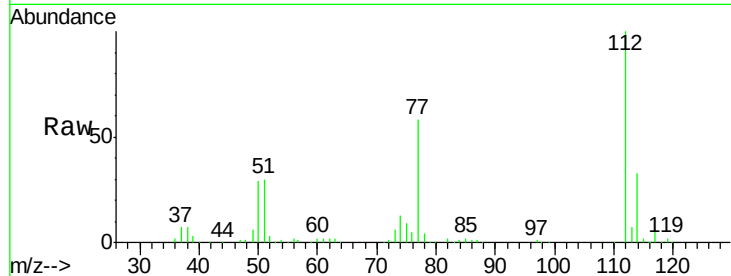




#65
Chlorobenzene
Concen: 47.468 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. -0.02 min
Lab File: VD062924.D
Acq: 27 Jun 2019 10:54

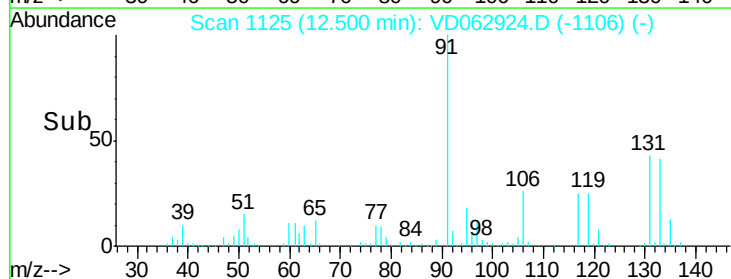
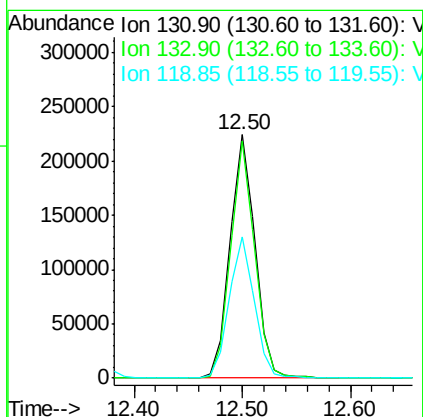
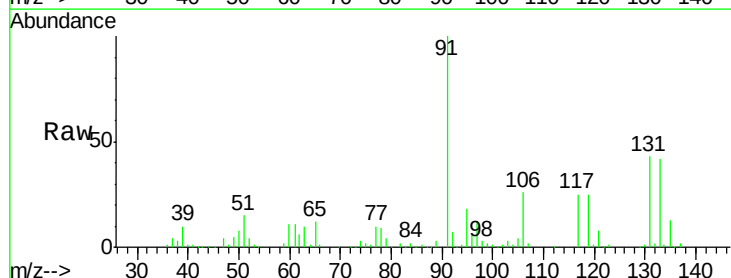
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

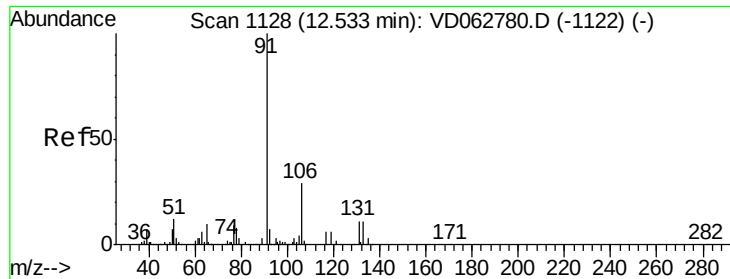
Tot Ion:112 Resp: 687172
Ion Ratio Lower Upper
112 100
114 32.8 26.3 39.5



#66
1,1,1,2-Tetrachloroethane
Concen: 53.397 ug/l
RT: 12.50 min Scan# 1125
Delta R.T. -0.01 min
Lab File: VD062924.D
Acq: 27 Jun 2019 10:54

Tgt Ion:131 Resp: 361498
Ion Ratio Lower Upper
131 100
133 97.4 44.5 133.3
119 57.8 28.6 85.9

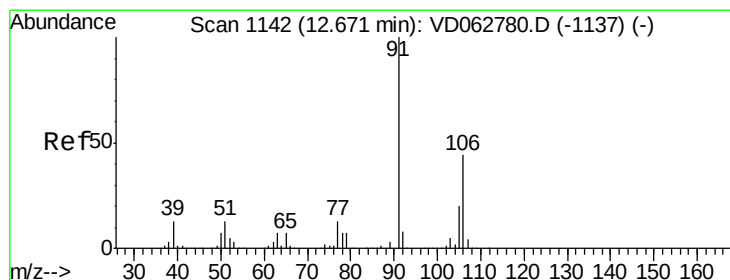
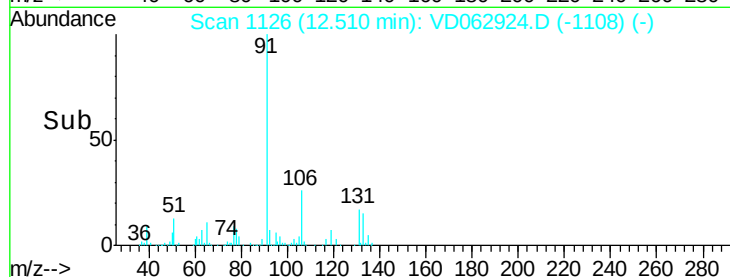
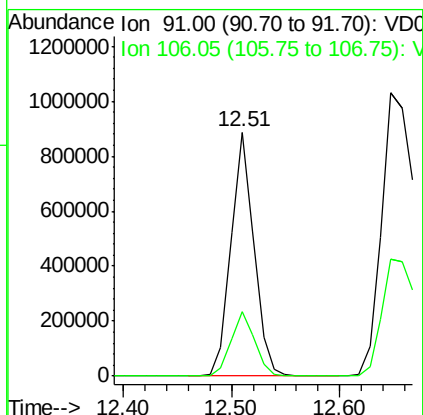
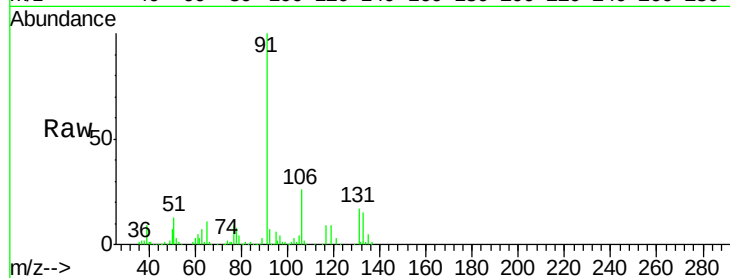




#67
Ethyl Benzene
Concen: 50.837 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.02 min
Lab File: VD062924.D
Acq: 27 Jun 2019 10:54

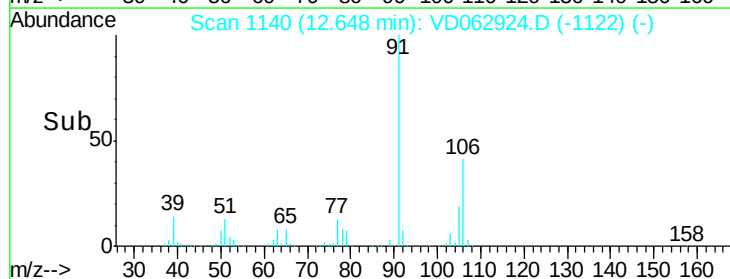
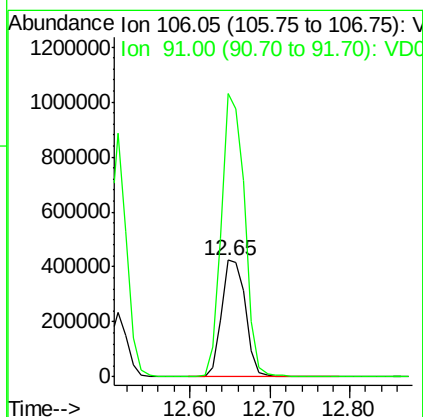
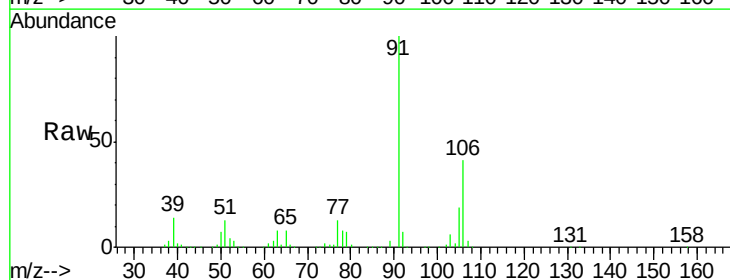
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

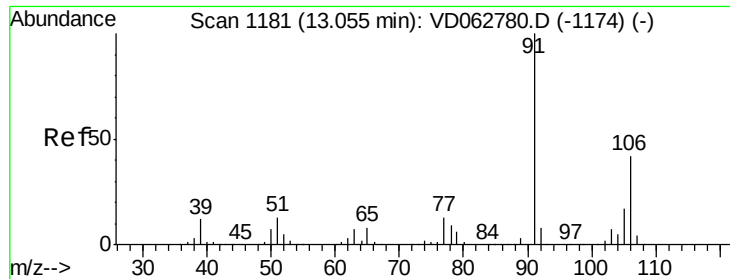
Tot Ion: 91 Resp: 1321280
Ion Ratio Lower Upper
91 100
106 26.3 23.1 34.7



#68
m/p-Xylenes
Concen: 99.605 ug/l
RT: 12.65 min Scan# 1140
Delta R.T. -0.02 min
Lab File: VD062924.D
Acq: 27 Jun 2019 10:54

Tgt Ion: 106 Resp: 901659
Ion Ratio Lower Upper
106 100
91 243.2 183.0 274.6

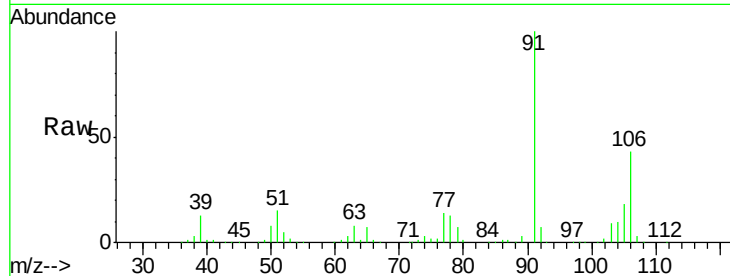




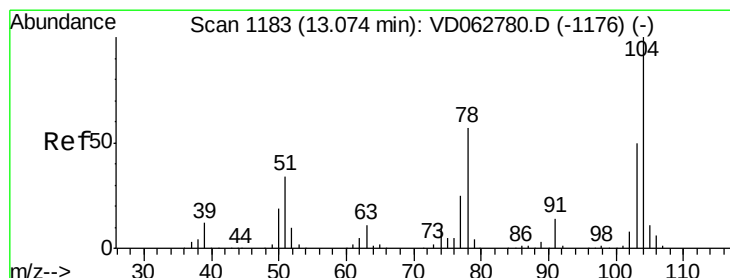
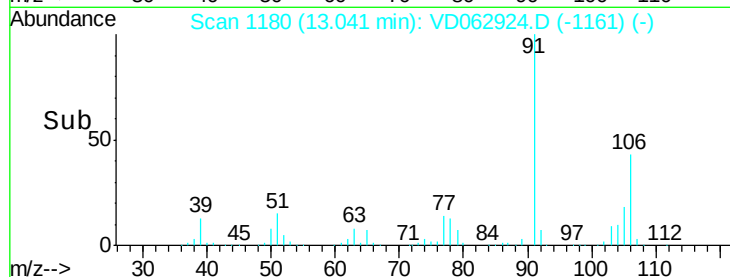
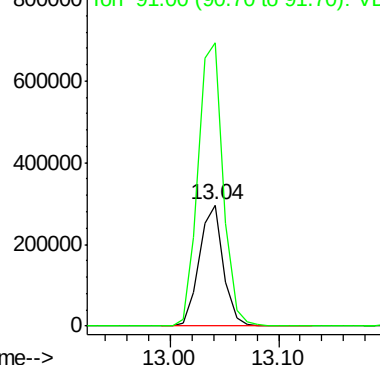
#69
o-Xylene
Concen: 55.006 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.01 min
Lab File: VD062924.D
Acq: 27 Jun 2019 10:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 455182
Ion Ratio Lower Upper
106 100
91 233.7 117.9 353.6

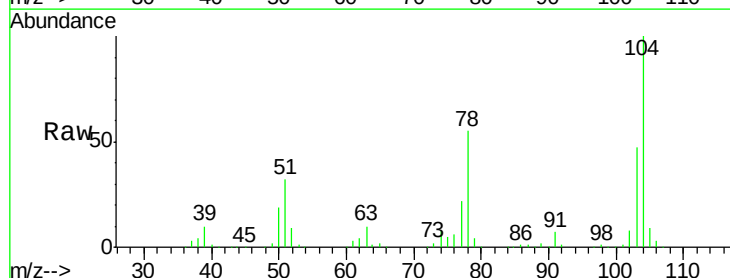


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

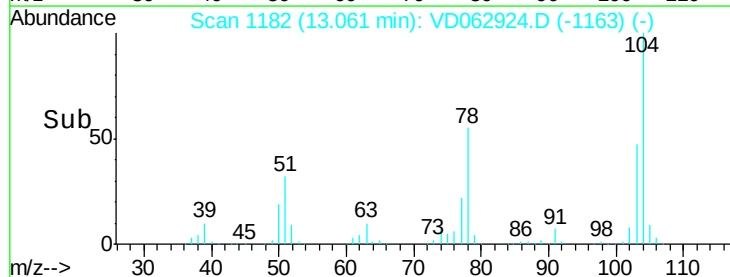
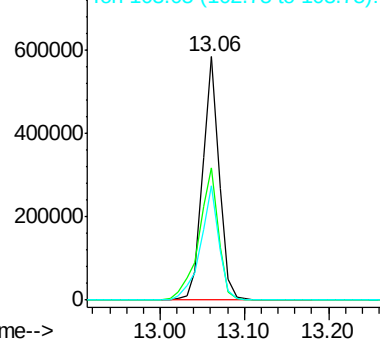


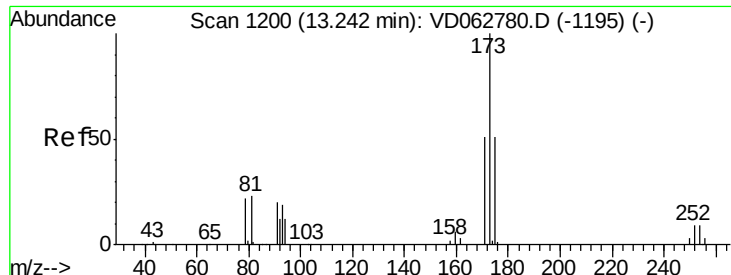
#70
Styrene
Concen: 54.770 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. -0.01 min
Lab File: VD062924.D
Acq: 27 Jun 2019 10:54

Tgt Ion:104 Resp: 796092
Ion Ratio Lower Upper
104 100
78 54.5 45.4 68.2
103 46.9 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: 53.699 ug/l

RT: 13.22 min Scan# 1198

Delta R.T. -0.02 min

Lab File: VD062924.D

Acq: 27 Jun 2019 10:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

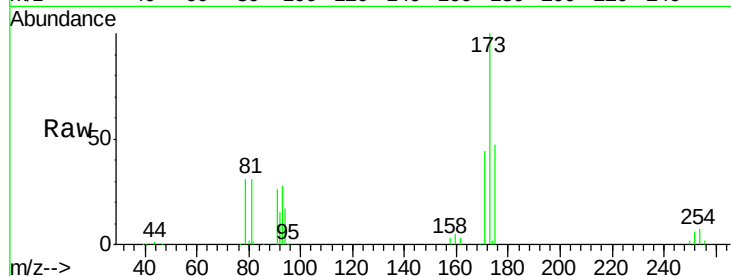
Tot Ion:173 Resp: 249077

Ion Ratio Lower Upper

173 100

175 47.5 25.3 75.9

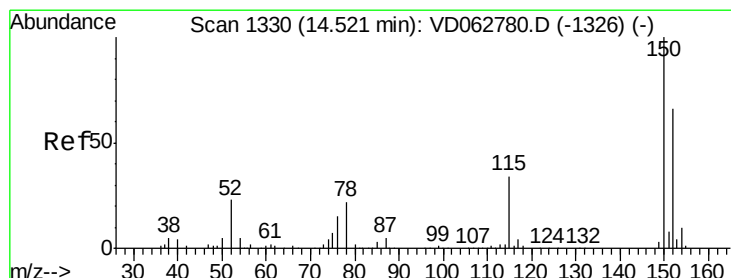
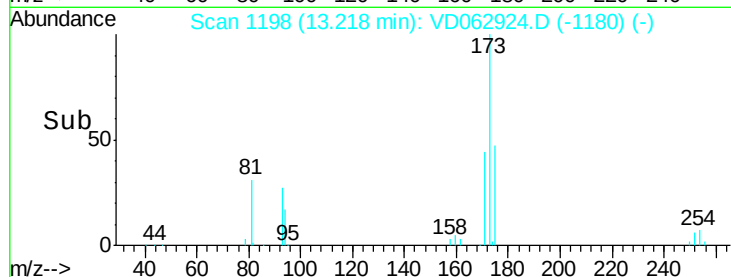
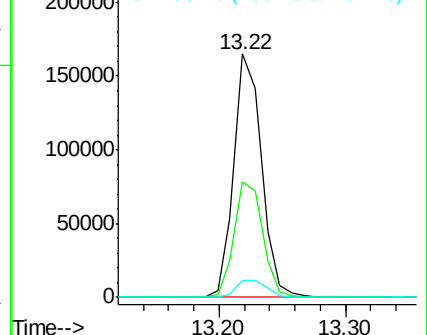
254 7.2 7.1 10.7



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: 14.51 min Scan# 1329

Delta R.T. -0.01 min

Lab File: VD062924.D

Acq: 27 Jun 2019 10:54

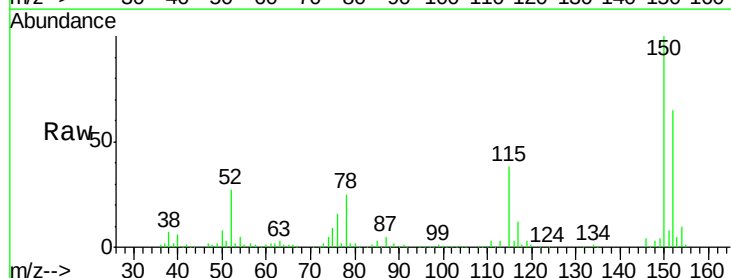
Tgt Ion:152 Resp: 445293

Ion Ratio Lower Upper

152 100

115 57.9 29.2 87.6

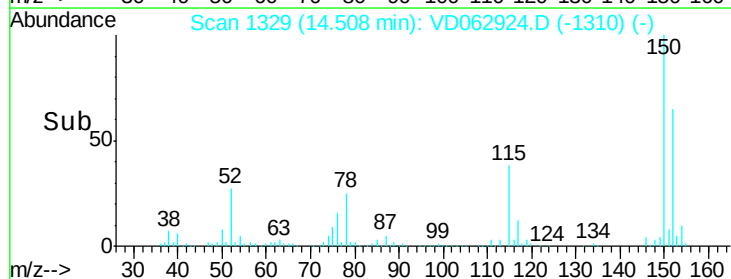
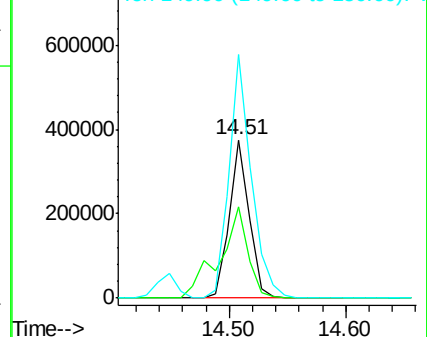
150 153.7 0.0 305.8

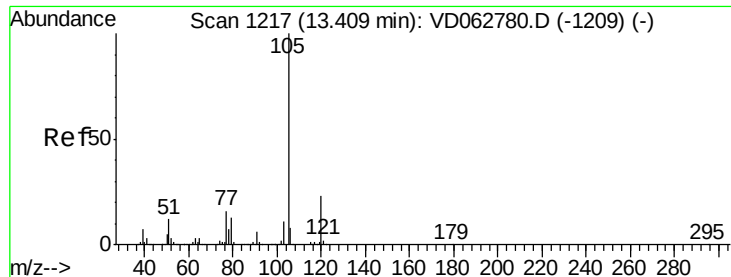


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 47.649 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VD062924.D

Acq: 27 Jun 2019 10:54

Instrument :

MSVOA_D

ClientSampleId :

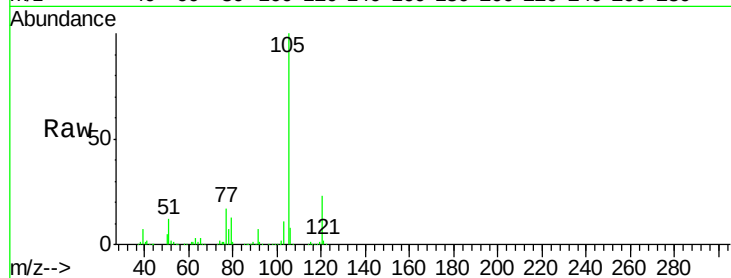
VSTDCCC050

Tot Ion:105 Resp: 1360433

Ion Ratio Lower Upper

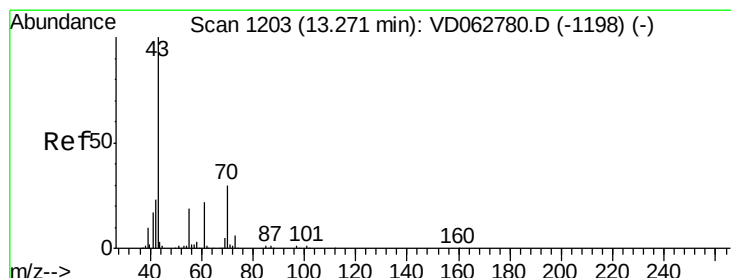
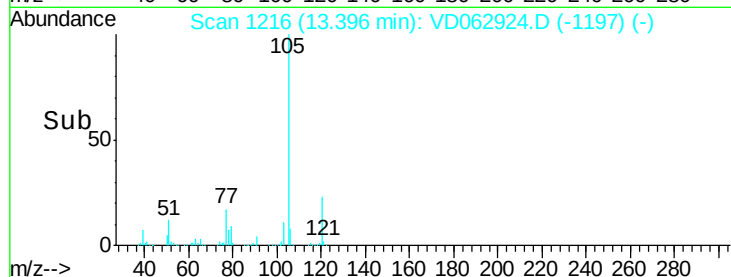
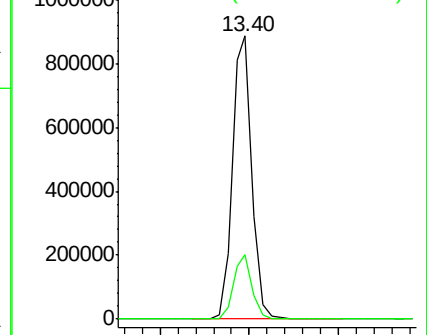
105 100

120 23.0 11.6 34.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 52.044 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VD062924.D

Acq: 27 Jun 2019 10:54

Tgt Ion: 43 Resp: 360856

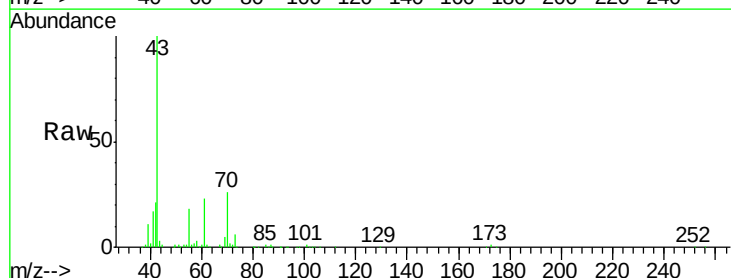
Ion Ratio Lower Upper

43 100

70 26.1 24.4 36.6

55 18.1 15.2 22.8

61 23.4 17.4 26.2

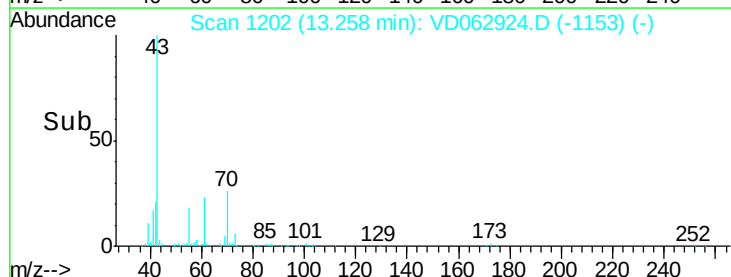
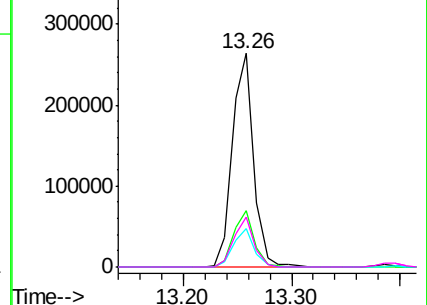


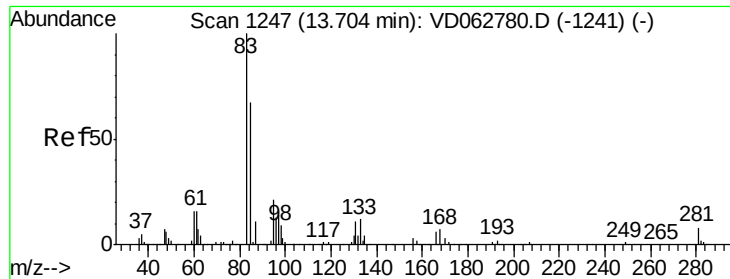
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 51.172 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. -0.01 min

Lab File: VD062924.D

Acq: 27 Jun 2019 10:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

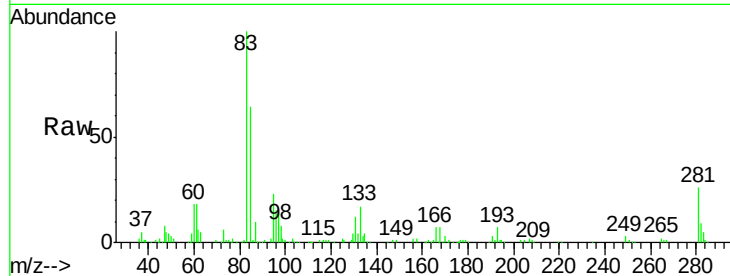
Tot Ion: 83 Resp: 238051

Ion Ratio Lower Upper

83 100

131 12.1 5.3 16.1

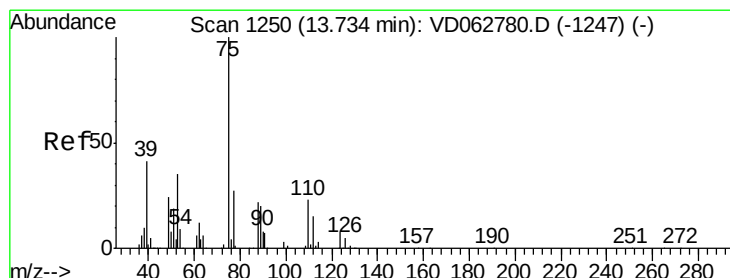
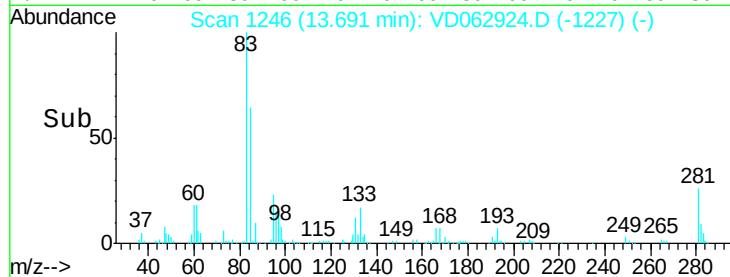
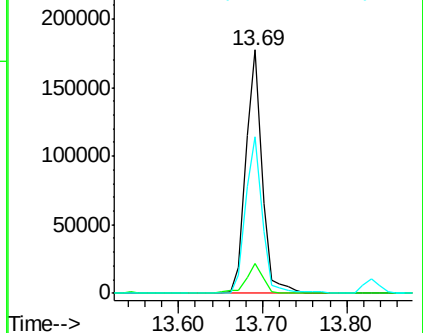
85 64.3 33.7 101.1



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: 51.034 ug/l

RT: 13.72 min Scan# 1249

Delta R.T. -0.01 min

Lab File: VD062924.D

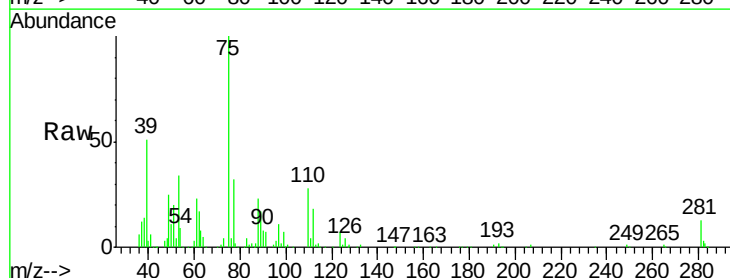
Acq: 27 Jun 2019 10:54

Tgt Ion: 75 Resp: 262343

Ion Ratio Lower Upper

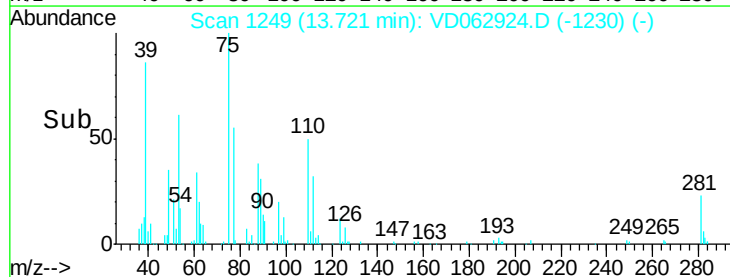
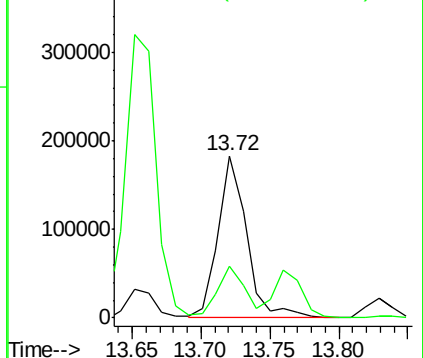
75 100

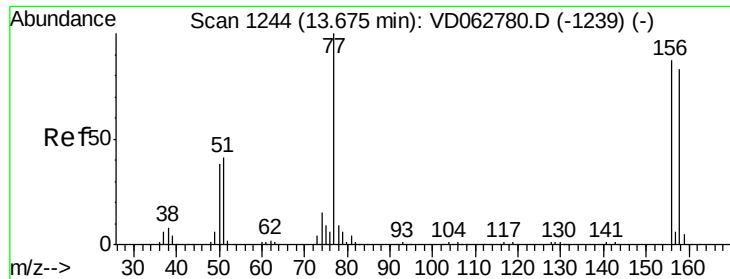
77 31.6 15.0 45.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 47.955 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. -0.01 min

Lab File: VD062924.D

Acq: 27 Jun 2019 10:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

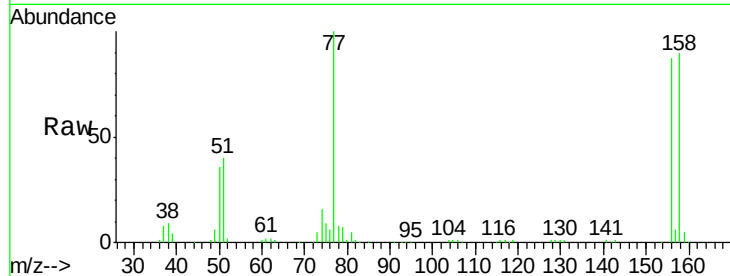
Tot Ion:156 Resp: 368270

Ion Ratio Lower Upper

156 100

77 114.8 57.7 173.1

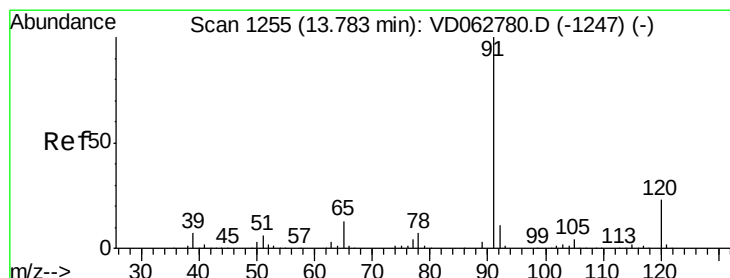
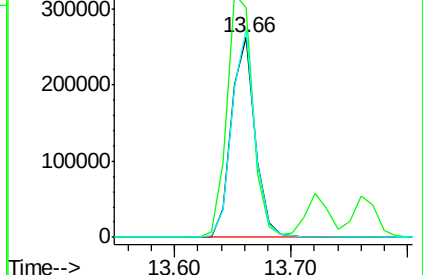
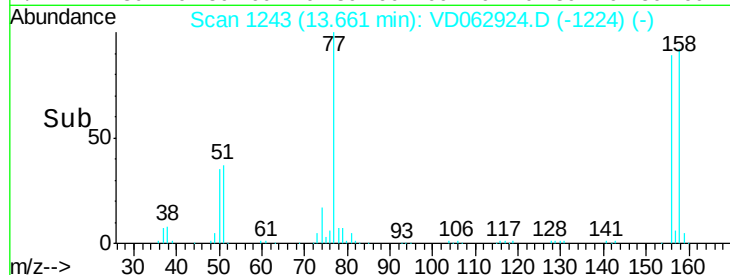
158 103.7 47.7 143.1



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 50.279 ug/l

RT: 13.76 min Scan# 1253

Delta R.T. -0.02 min

Lab File: VD062924.D

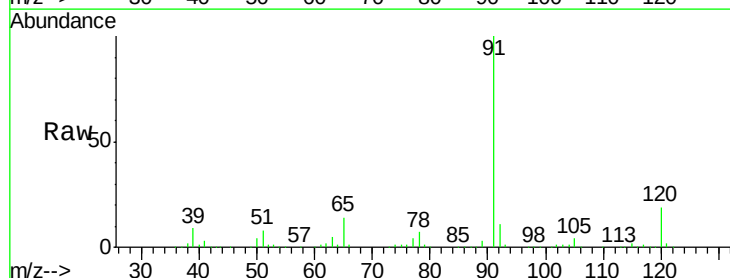
Acq: 27 Jun 2019 10:54

Tgt Ion: 91 Resp: 1670823

Ion Ratio Lower Upper

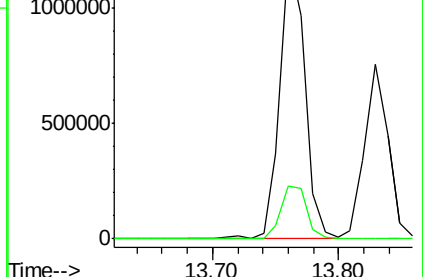
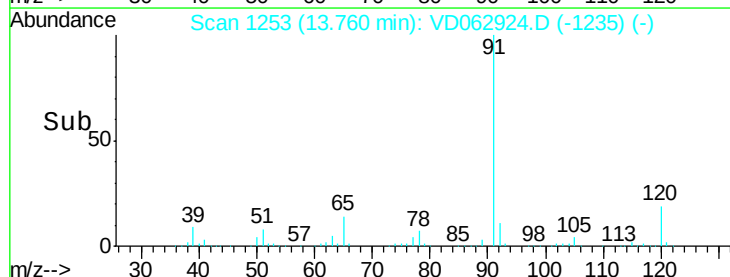
91 100

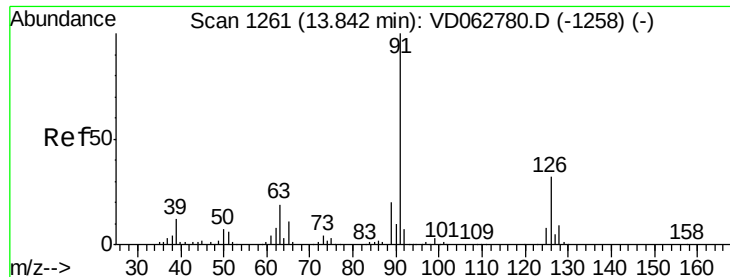
120 18.7 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 51.481 ug/l

RT: 13.83 min Scan# 1260

Delta R.T. -0.01 min

Lab File: VD062924.D

Acq: 27 Jun 2019 10:54

Instrument :

MSVOA_D

ClientSampleId :

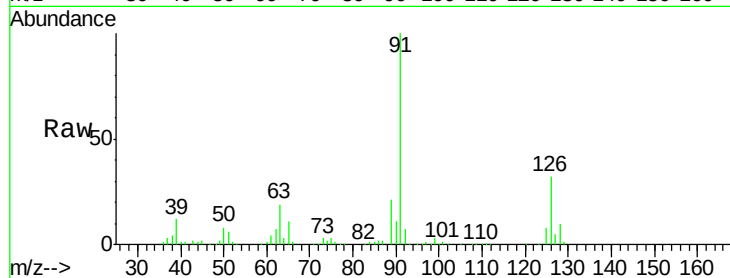
VSTDCCC050

Tot Ion: 91 Resp: 977680

Ion Ratio Lower Upper

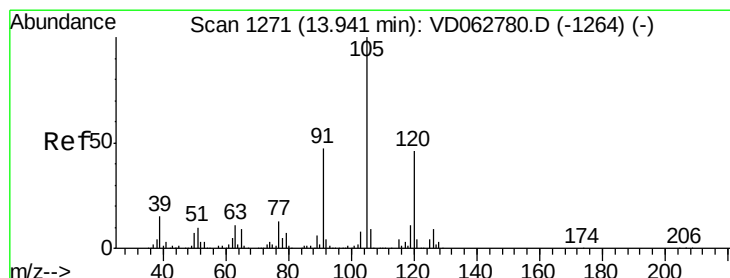
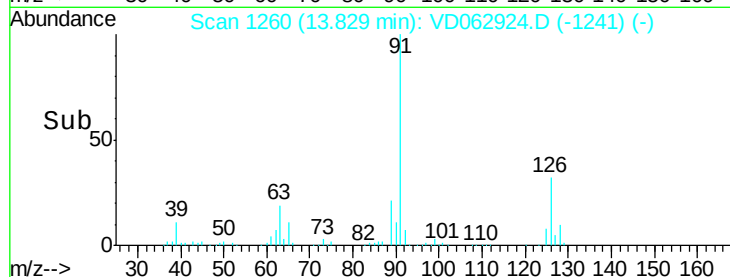
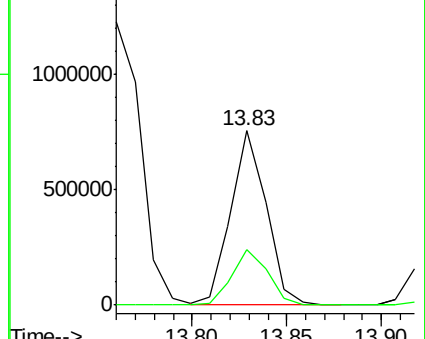
91 100

126 32.2 15.7 47.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 51.588 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VD062924.D

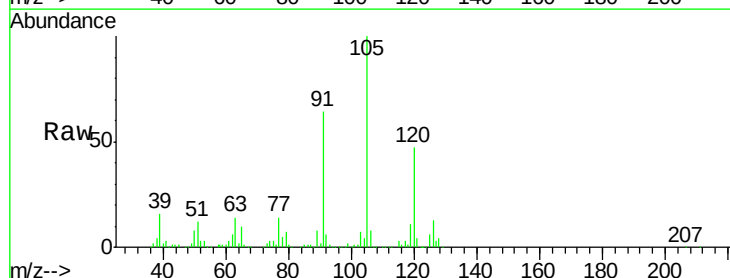
Acq: 27 Jun 2019 10:54

Tgt Ion:105 Resp: 1237182

Ion Ratio Lower Upper

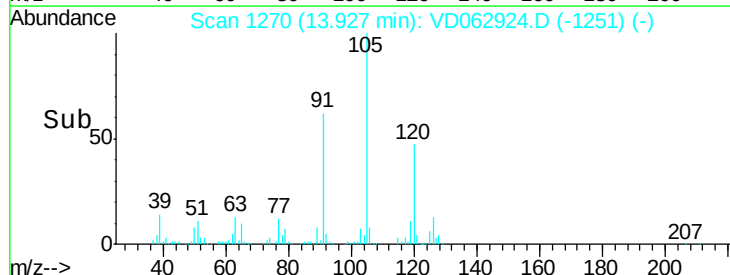
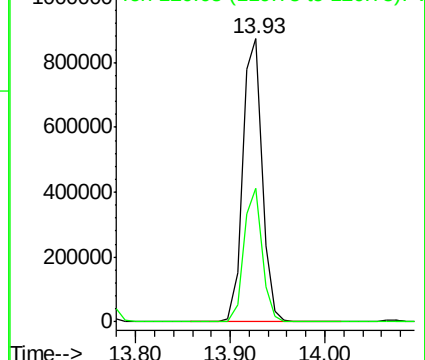
105 100

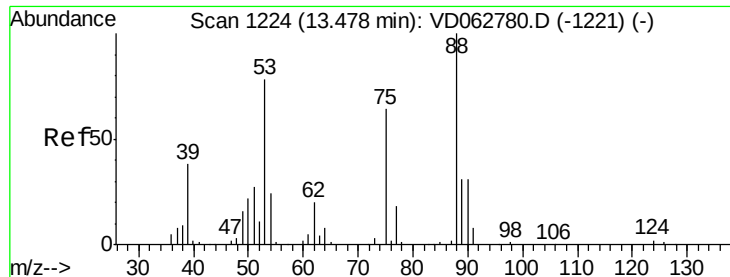
120 47.1 23.1 69.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

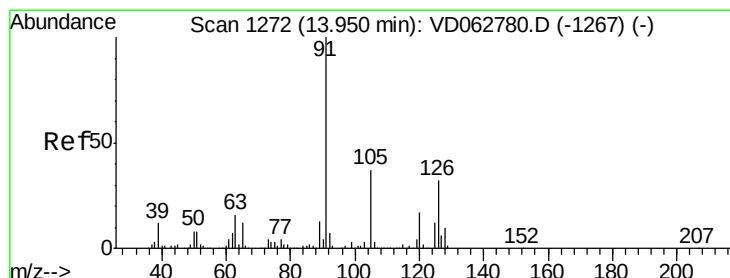
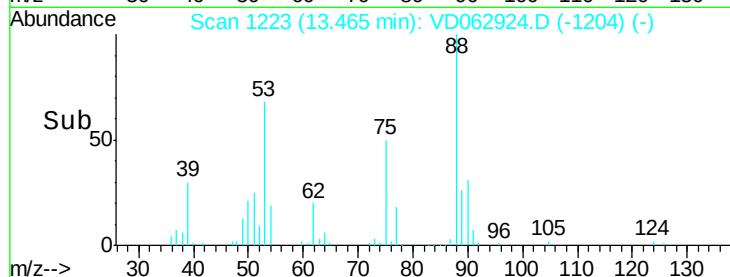
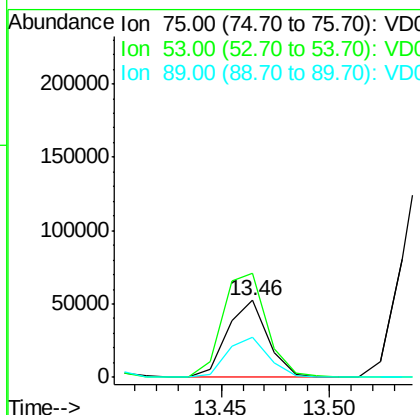
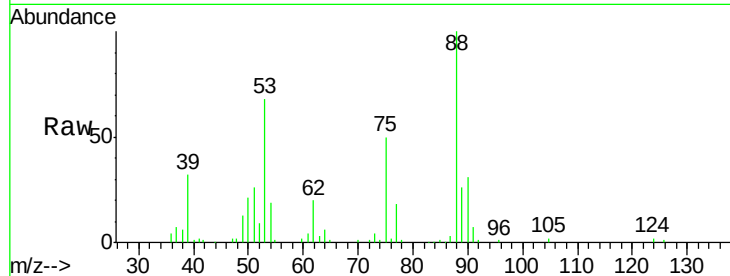




#81
trans-1,4-Dichloro-2-butene
Concen: 50.919 ug/l
RT: 13.46 min Scan# 1223
Delta R.T. -0.01 min
Lab File: VD062924.D
Acq: 27 Jun 2019 10:54

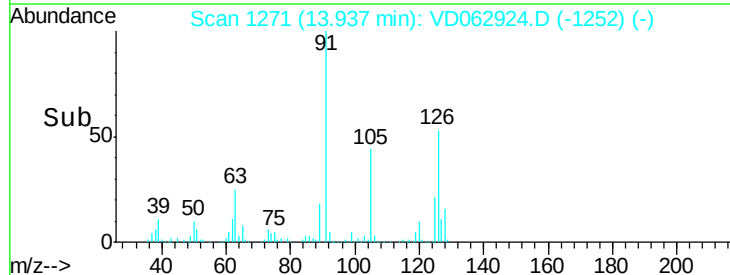
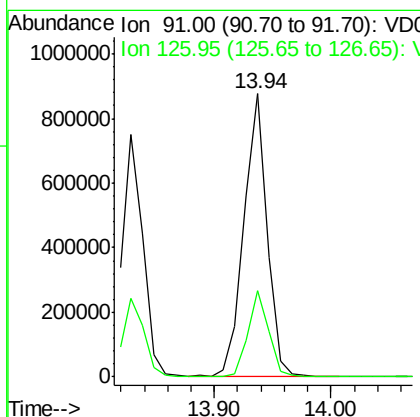
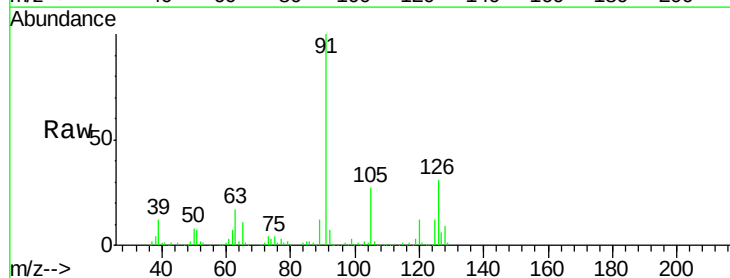
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

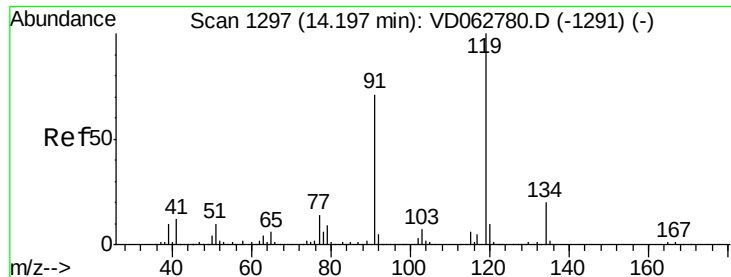
Tot Ion: 75 Resp: 68601
Ion Ratio Lower Upper
75 100
53 135.6 97.8 146.8
89 51.6 39.4 59.2



#82
4-Chlorotoluene
Concen: 52.866 ug/l
RT: 13.94 min Scan# 1271
Delta R.T. -0.01 min
Lab File: VD062924.D
Acq: 27 Jun 2019 10:54

Tgt Ion: 91 Resp: 1208702
Ion Ratio Lower Upper
91 100
126 30.6 16.0 47.9

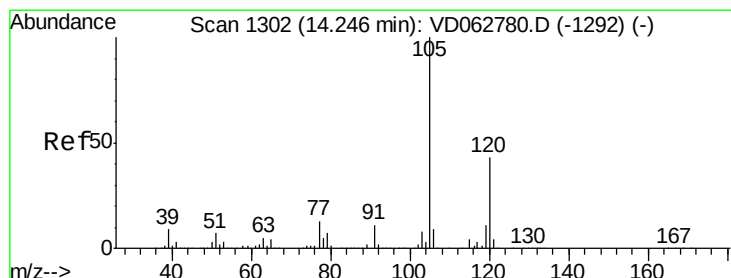
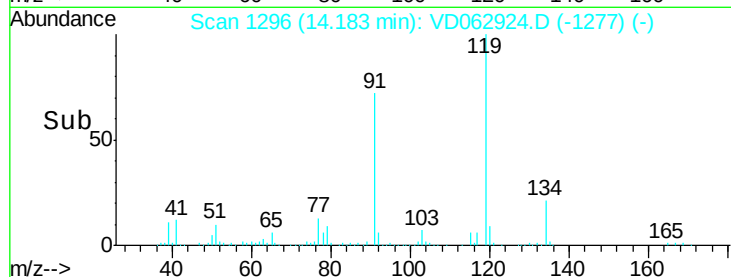
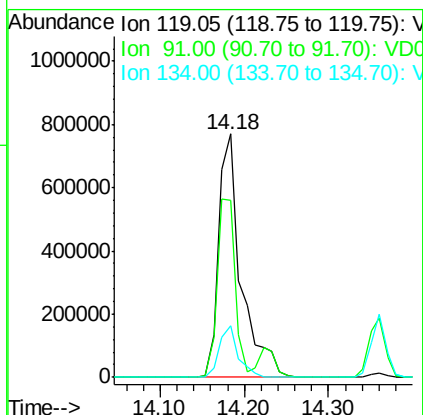
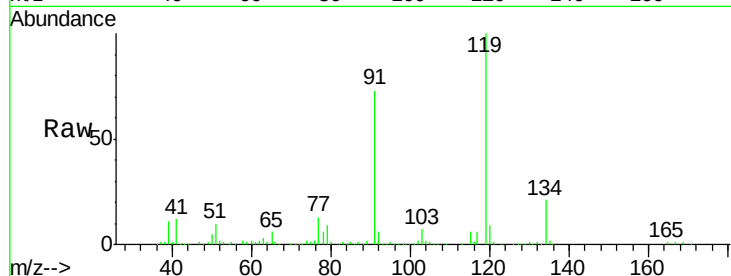




#83
 tert-Butylbenzene
 Concen: 53.144 ug/l
 RT: 14.18 min Scan# 1296
 Delta R.T. -0.01 min
 Lab File: VD062924.D
 Acq: 27 Jun 2019 10:54

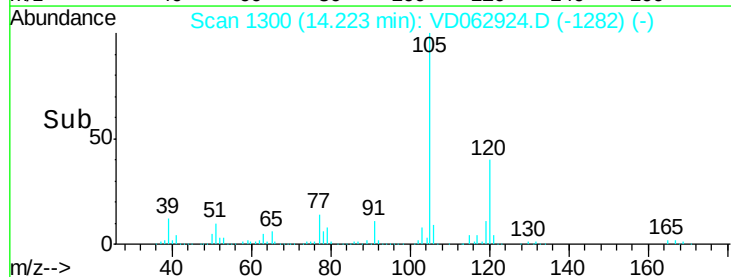
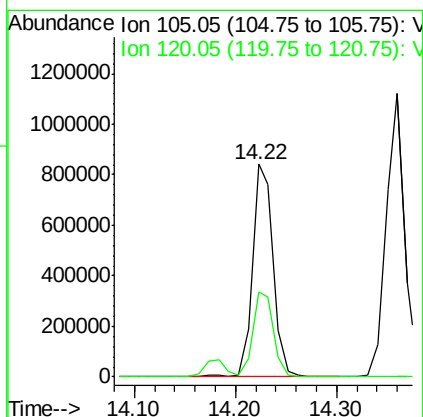
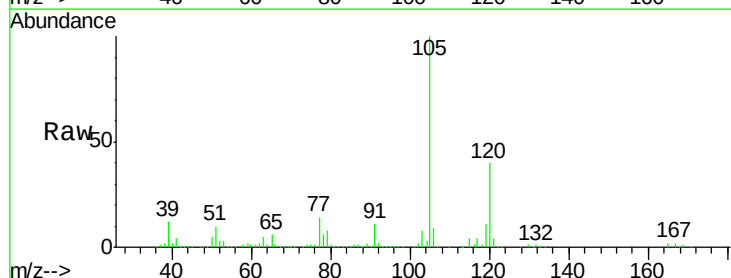
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

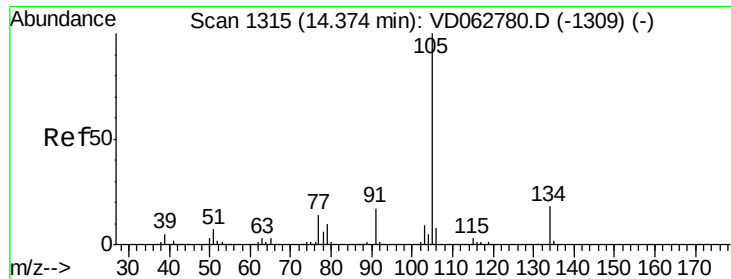
Tot Ion:119 Resp: 1420627
 Ion Ratio Lower Upper
 119 100
 91 72.7 35.5 106.5
 134 21.4 10.2 30.6



#84
 1,2,4-Trimethylbenzene
 Concen: 48.878 ug/l
 RT: 14.22 min Scan# 1300
 Delta R.T. -0.02 min
 Lab File: VD062924.D
 Acq: 27 Jun 2019 10:54

Tgt Ion:105 Resp: 1201446
 Ion Ratio Lower Upper
 105 100
 120 39.8 21.3 63.9

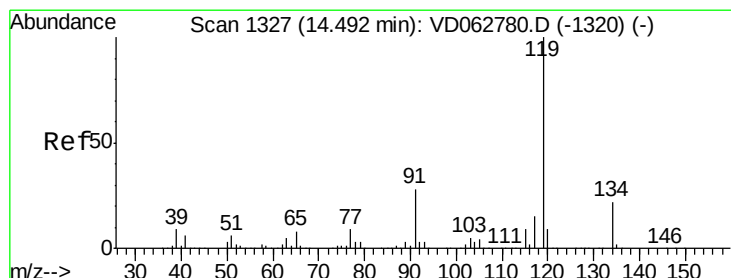
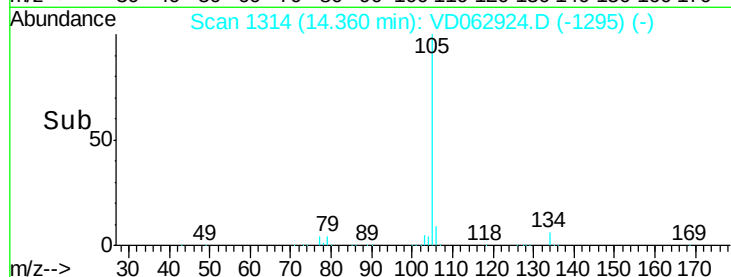
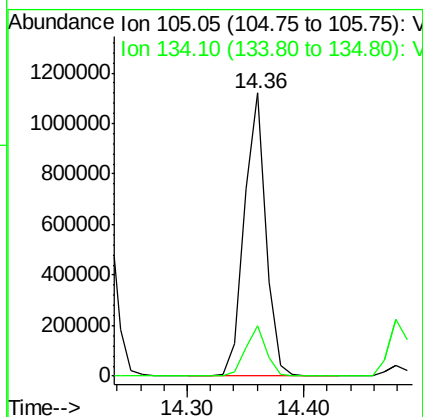
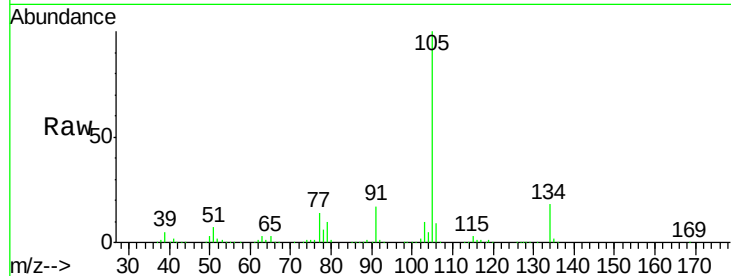




#85
 sec-Butylbenzene
 Concen: 49.357 ug/l
 RT: 14.36 min Scan# 1314
 Delta R.T. -0.01 min
 Lab File: VD062924.D
 Acq: 27 Jun 2019 10:54

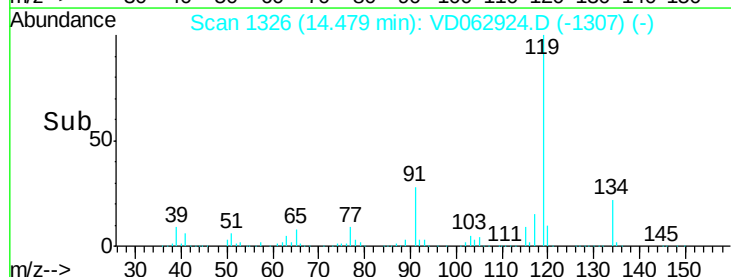
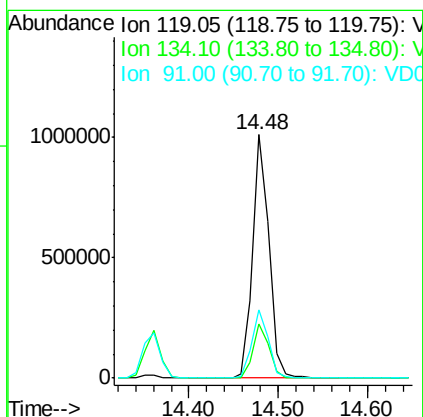
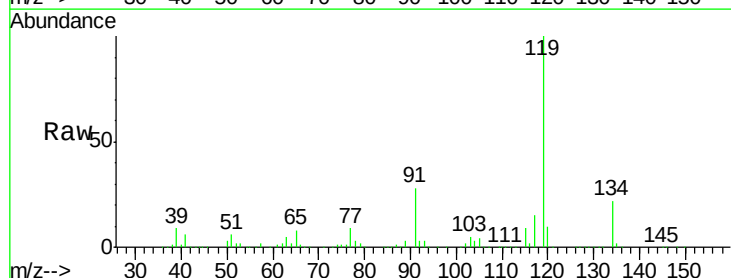
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

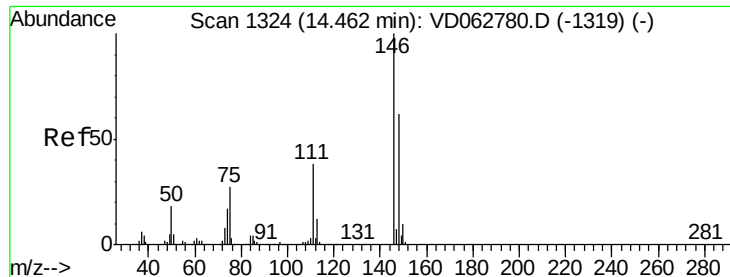
Tot Ion:105 Resp: 1434010
 Ion Ratio Lower Upper
 105 100
 134 17.8 9.1 27.3



#86
 p-Isopropyltoluene
 Concen: 47.554 ug/l
 RT: 14.48 min Scan# 1326
 Delta R.T. -0.01 min
 Lab File: VD062924.D
 Acq: 27 Jun 2019 10:54

Tgt Ion:119 Resp: 1263962
 Ion Ratio Lower Upper
 119 100
 134 22.4 11.1 33.1
 91 28.2 14.0 41.9

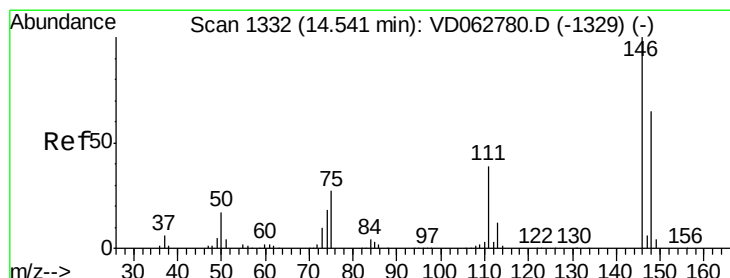
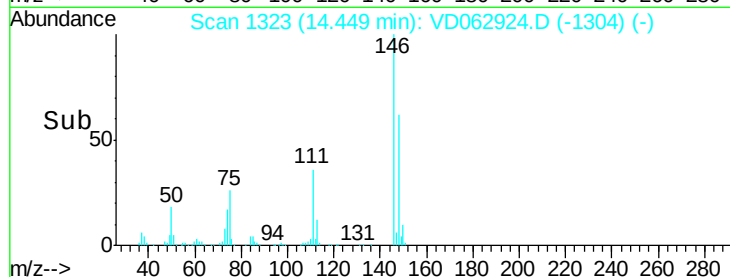
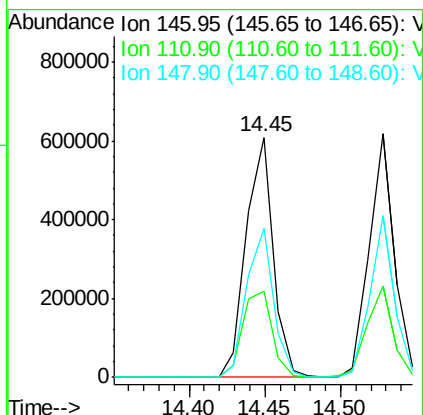
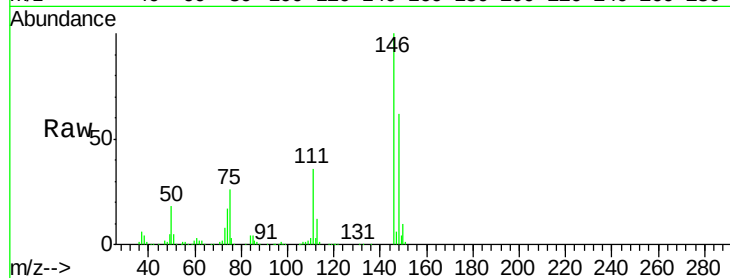




#87
 1,3-Dichlorobenzene
 Concen: 55.312 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: VD062924.D
 Acq: 27 Jun 2019 10:54

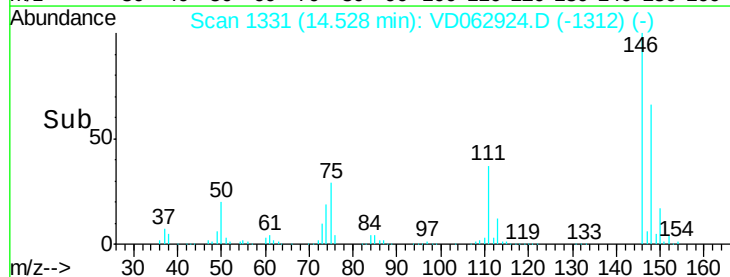
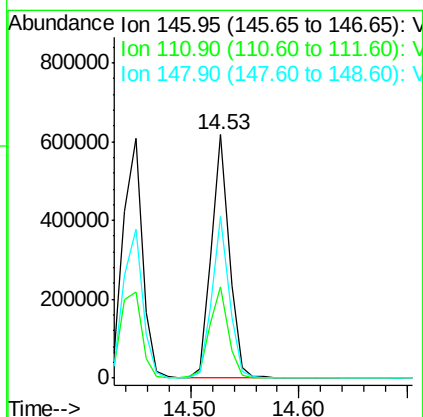
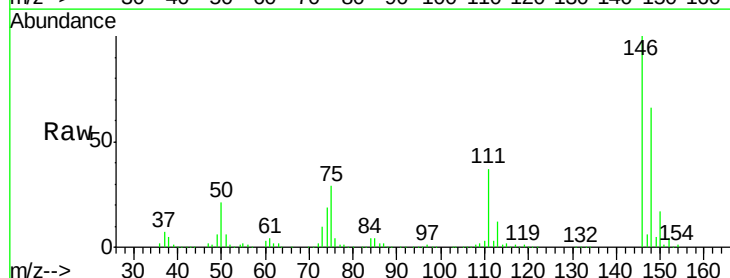
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

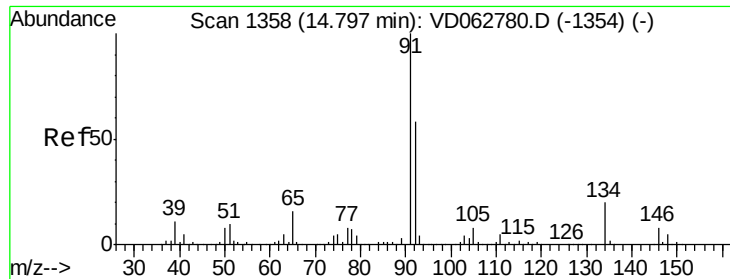
Tot Ion	Ratio	Lower	Upper
146	100		
111	36.1	19.0	57.0
148	62.1	30.8	92.3



#88
 1,4-Dichlorobenzene
 Concen: 51.761 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: VD062924.D
 Acq: 27 Jun 2019 10:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.3	19.7	59.1
148	66.4	32.8	98.3

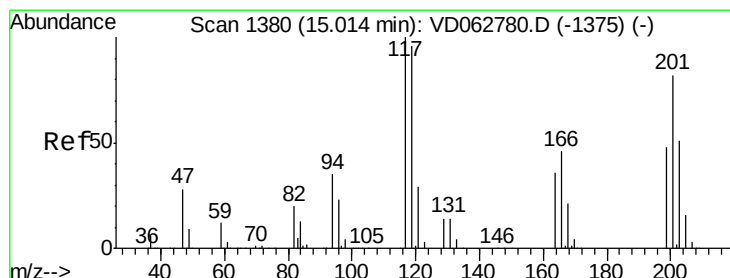
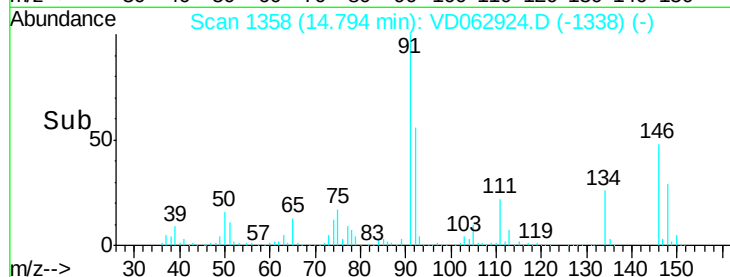
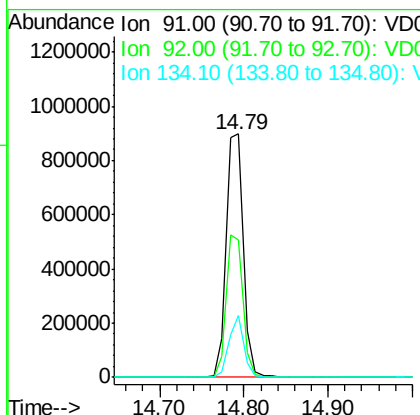
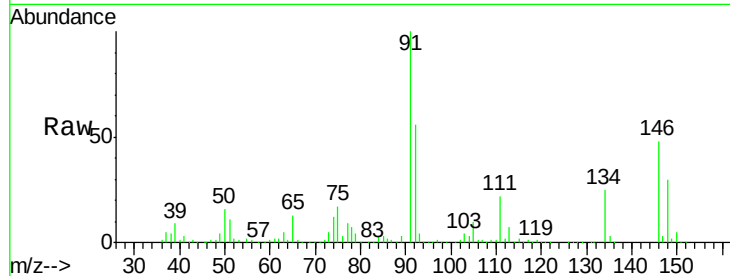




#89
n-Butylbenzene
Concen: 50.883 ug/l
RT: 14.79 min Scan# 1358
Delta R.T. -0.00 min
Lab File: VD062924.D
Acq: 27 Jun 2019 10:54

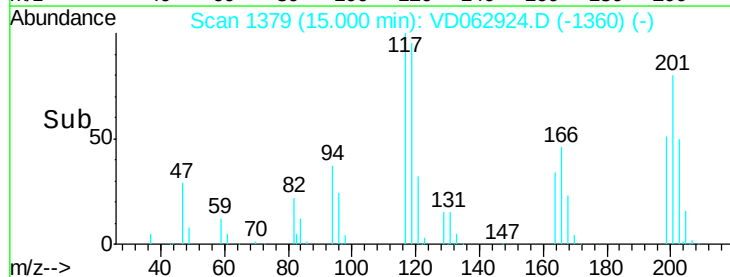
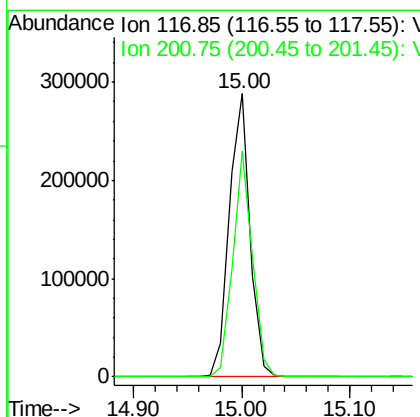
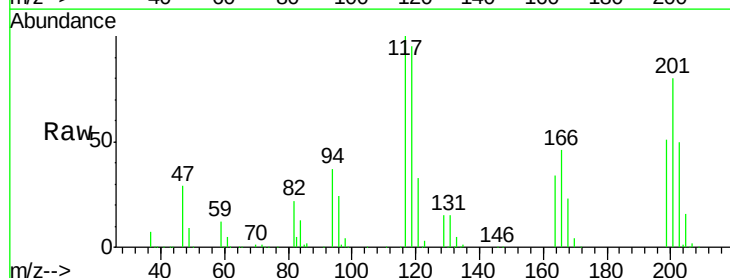
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

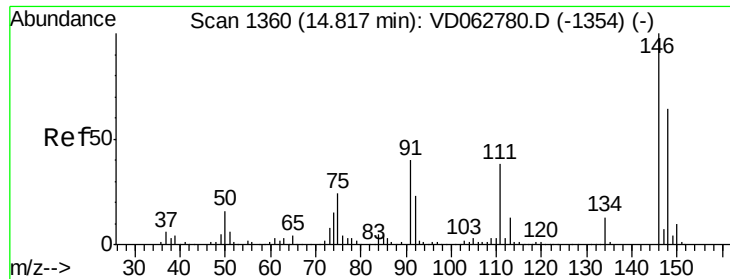
Tot Ion: 91 Resp: 1265847
Ion Ratio Lower Upper
91 100
92 56.3 28.9 86.7
134 25.5 10.1 30.3



#90
Hexachloroethane
Concen: 53.801 ug/l
RT: 15.00 min Scan# 1379
Delta R.T. -0.01 min
Lab File: VD062924.D
Acq: 27 Jun 2019 10:54

Tgt Ion: 117 Resp: 384485
Ion Ratio Lower Upper
117 100
201 79.6 40.8 122.2

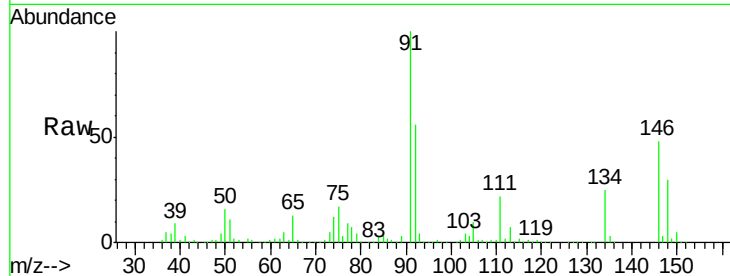




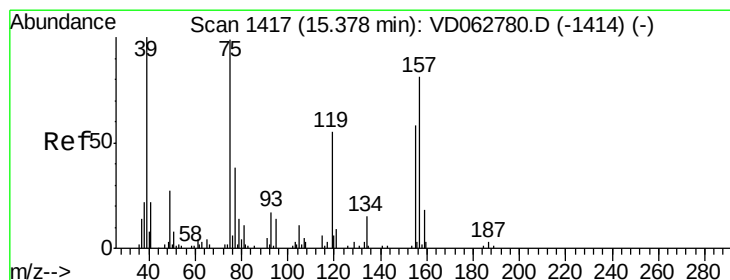
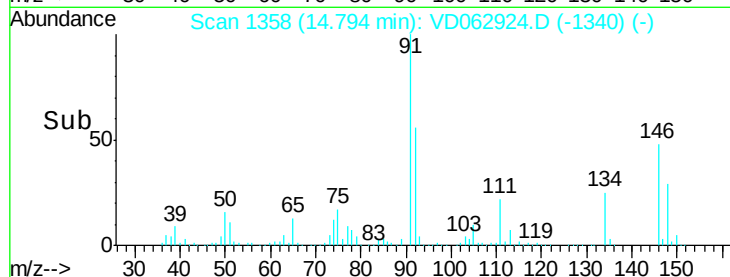
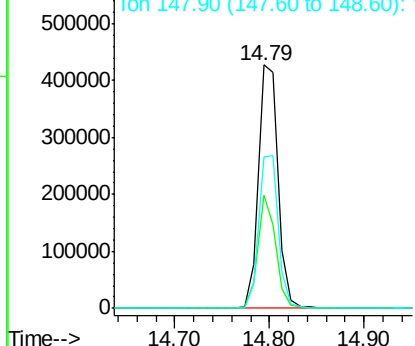
#91
 1,2-Dichlorobenzene
 Concen: 52.549 ug/l
 RT: 14.79 min Scan# 1358
 Delta R.T. -0.02 min
 Lab File: VD062924.D
 Acq: 27 Jun 2019 10:54

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050

Tot Ion:146 Resp: 618921
 Ion Ratio Lower Upper
 146 100
 111 46.2 19.1 57.1
 148 62.0 32.3 96.8

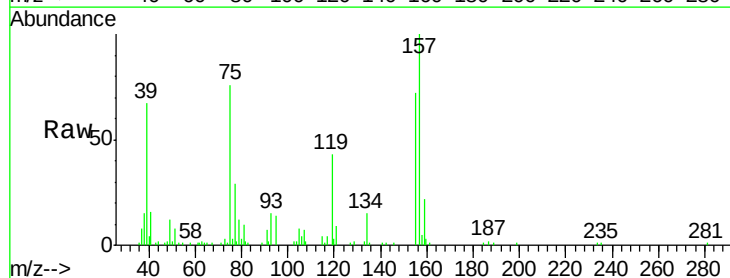


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

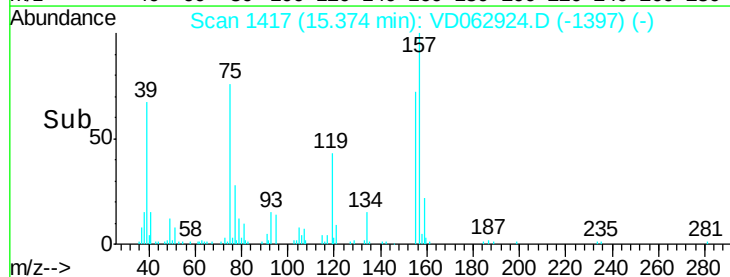
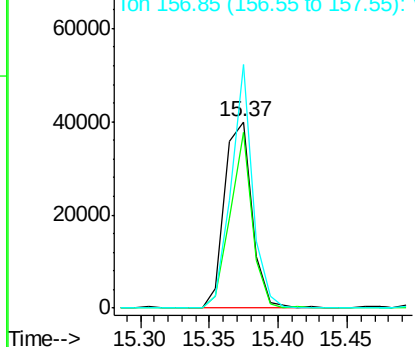


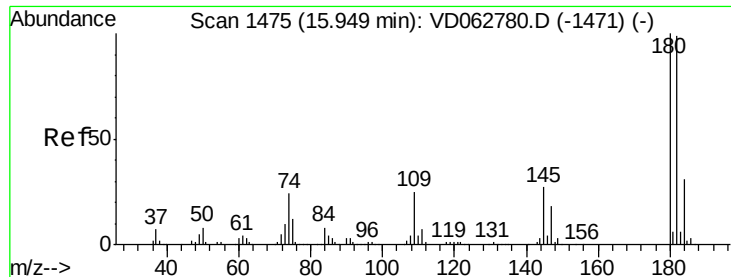
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 60.834 ug/l
 RT: 15.37 min Scan# 1417
 Delta R.T. -0.00 min
 Lab File: VD062924.D
 Acq: 27 Jun 2019 10:54

Tgt Ion: 75 Resp: 55236
 Ion Ratio Lower Upper
 75 100
 155 94.2 29.3 87.8#
 157 130.8 41.3 123.7#



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V

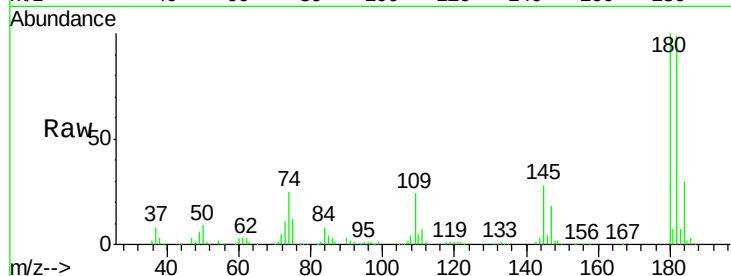




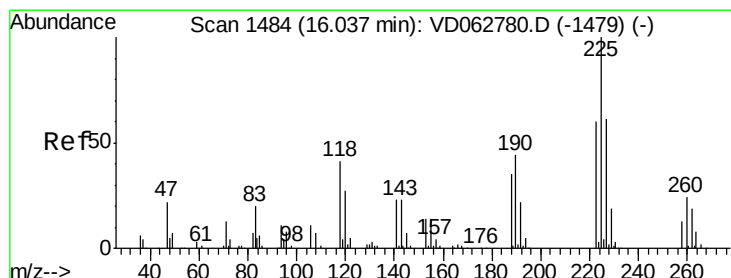
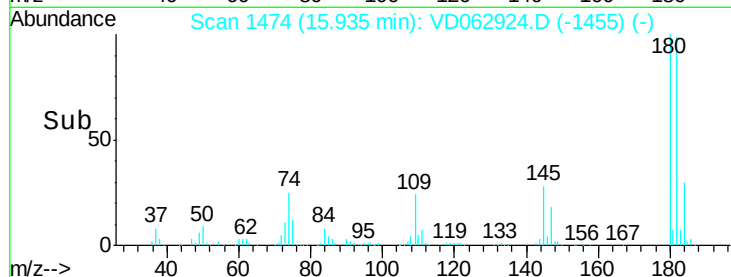
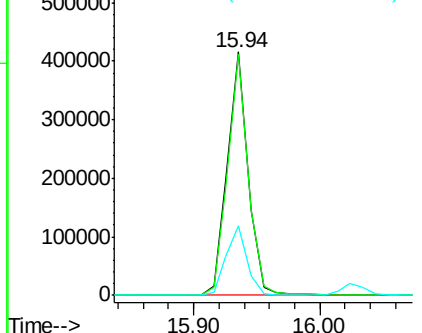
#93
 1,2,4-Trichlorobenzene
 Concen: 51.406 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: VD062924.D
 Acq: 27 Jun 2019 10:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 472959
 Ion Ratio Lower Upper
 180 100
 182 98.8 49.5 148.5
 145 28.4 13.7 41.0

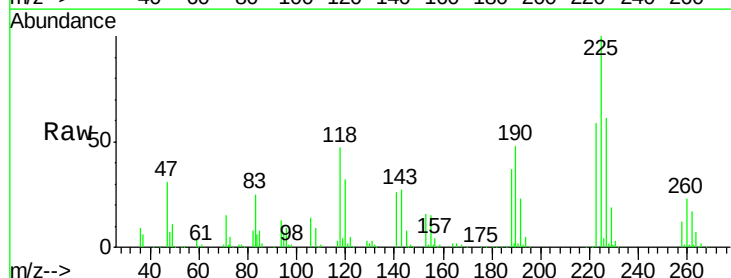


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

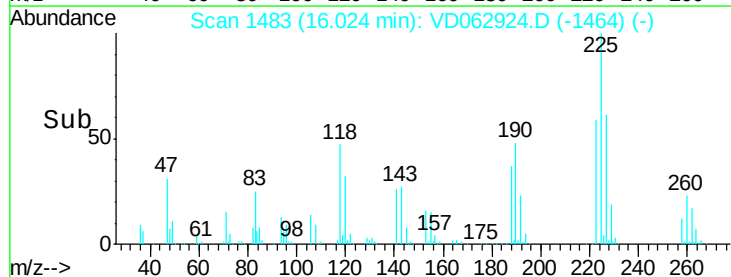
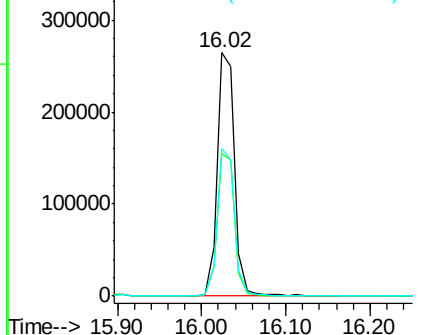


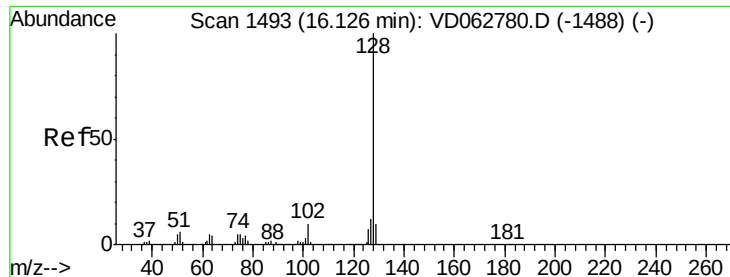
#94
 Hexachlorobutadiene
 Concen: 53.498 ug/l
 RT: 16.02 min Scan# 1483
 Delta R.T. -0.01 min
 Lab File: VD062924.D
 Acq: 27 Jun 2019 10:54

Tgt Ion:225 Resp: 376024
 Ion Ratio Lower Upper
 225 100
 223 58.7 29.8 89.5
 227 60.8 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: 55.181 ug/l

RT: 16.11 min Scan# 1492

Delta R.T. -0.01 min

Lab File: VD062924.D

Acq: 27 Jun 2019 10:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

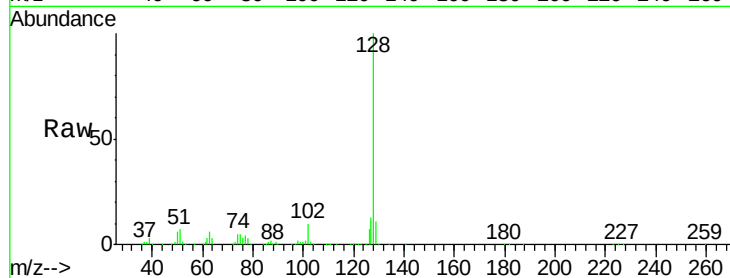
Tot Ion:128 Resp: 711580

Ion Ratio Lower Upper

128 100

127 12.7 9.7 14.5

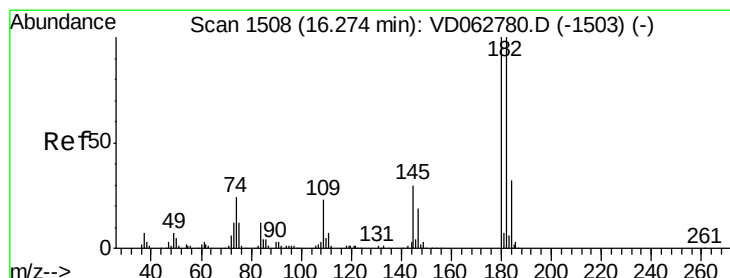
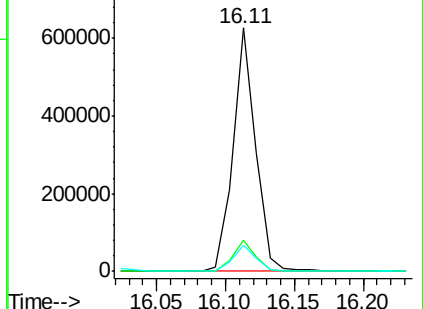
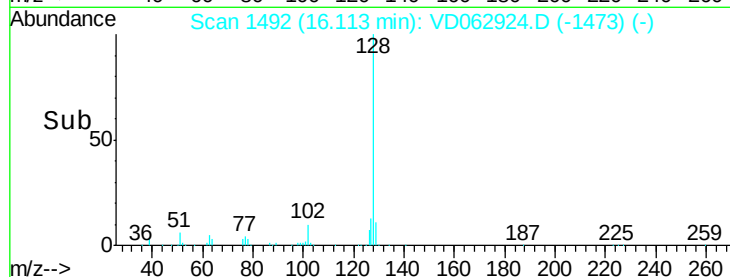
129 10.6 8.3 12.5



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: 51.608 ug/l

RT: 16.26 min Scan# 1507

Delta R.T. -0.01 min

Lab File: VD062924.D

Acq: 27 Jun 2019 10:54

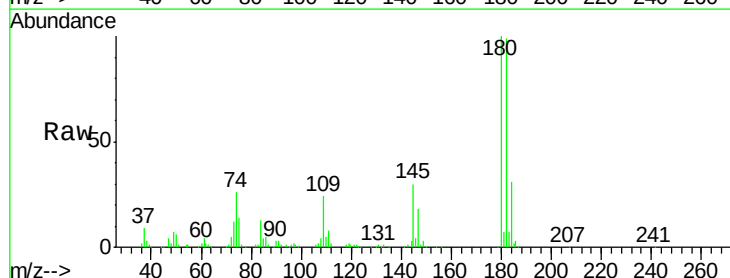
Tgt Ion:180 Resp: 364819

Ion Ratio Lower Upper

180 100

182 98.6 49.9 149.6

145 30.2 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

