

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062719\
 Data File : VD062946.D
 Acq On : 27 Jun 2019 21:55
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jun 28 05:10:30 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	689322	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.19	114	960380	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.35	117	792530	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.51	152	469520	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.43	65	413788	55.22	ug/l	-0.03
Spiked Amount			Recovery	=	110.44%	
35) Dibromofluoromethane	6.90	113	399529	49.34	ug/l	-0.03
Spiked Amount			Recovery	=	98.68%	
50) Toluene-d8	10.38	98	864272	49.04	ug/l	-0.03
Spiked Amount			Recovery	=	98.08%	
62) 4-Bromofluorobenzene	13.54	95	425858	53.14	ug/l	-0.01
Spiked Amount			Recovery	=	106.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.56	85	452218	50.697	ug/l	99
3) Chloromethane	1.75	50	323689	48.251	ug/l	96
4) Vinyl Chloride	1.83	62	340737	51.228	ug/l	98
5) Bromomethane	2.13	94	142730	45.821	ug/l	98
6) Chloroethane	2.25	64	173173	57.507	ug/l	100
7) Trichlorofluoromethane	2.51	101	758199	56.325	ug/l	98
8) Diethyl Ether	2.85	74	107669	62.952	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	3.12	101	377861	51.814	ug/l #	88
10) Methyl Iodide	3.28	142	496471	51.603	ug/l	93
11) Tert butyl alcohol	4.05	59	109397	320.570	ug/l #	88
12) 1,1-Dichloroethene	3.10	96	264941	48.429	ug/l	85
13) Acrolein	3.01	56	87672	251.653	ug/l	93
14) Allyl chloride	3.59	41	446421	55.226	ug/l	89
15) Acrylonitrile	4.17	53	238865	297.887	ug/l	95
16) Acetone	3.20	43	473359	313.298	ug/l	99
17) Carbon Disulfide	3.34	76	839199	47.998	ug/l	98
18) Methyl Acetate	3.62	43	163269	72.182	ug/l	97
19) Methyl tert-butyl Ether	4.21	73	680200	57.435	ug/l	99
20) Methylene Chloride	3.79	84	315346	55.185	ug/l	93
21) trans-1,2-Dichloroethene	4.18	96	317854	54.567	ug/l	92
22) Diisopropyl ether	5.09	45	953731	58.016	ug/l	98
23) Vinyl Acetate	5.03	43	2988432	290.515	ug/l	98
24) 1,1-Dichloroethane	4.95	63	609366	56.933	ug/l	98
25) 2-Butanone	6.04	43	451172	321.947	ug/l	94
26) 2,2-Dichloropropane	5.99	77	608096	53.601	ug/l	92
27) cis-1,2-Dichloroethene	6.00	96	357298	58.003	ug/l	93
28) Bromochloromethane	6.41	49	220030	58.369	ug/l	99
29) Tetrahydrofuran	6.43	42	208471	314.412	ug/l	98
30) Chloroform	6.63	83	780858	59.989	ug/l	97
31) Cyclohexane	6.92	56	351122	49.902	ug/l	96
32) 1,1,1-Trichloroethane	6.84	97	792286	58.438	ug/l	94
36) 1,1-Dichloropropene	7.12	75	498529	54.836	ug/l	94
37) Ethyl Acetate	6.16	43	225079	59.138	ug/l	97
38) Carbon Tetrachloride	7.08	117	751967m	54.996	ug/l	

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 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)
39) Methylcyclohexane	8.84	83	395684	49.445	ug/l	95
40) Benzene	7.43	78	1017317	55.746	ug/l	99
41) Methacrylonitrile	6.43	41	284071	59.250	ug/l #	90
42) 1,2-Dichloroethane	7.55	62	643209	64.609	ug/l	98
43) Isopropyl Acetate	9.22	43	303717	63.722	ug/l	93
44) Trichloroethene	8.51	130	382510	53.465	ug/l	97
45) 1,2-Dichloropropane	8.92	63	243792	53.725	ug/l	99
46) Dibromomethane	9.03	93	240749	61.762	ug/l	96
47) Bromodichloromethane	9.35	83	632276	62.456	ug/l	99
48) Methyl methacrylate	9.10	41	205751	60.746	ug/l	92
49) 1,4-Dioxane	9.06	88	38541	1367.708	ug/l #	78
51) 4-Methyl-2-Pentanone	10.29	43	1077964	318.993	ug/l	99
52) Toluene	10.49	92	665970	54.289	ug/l	98
53) t-1,3-Dichloropropene	10.90	75	506697	61.151	ug/l	91
54) cis-1,3-Dichloropropene	10.02	75	473890	52.618	ug/l	95
55) 1,1,2-Trichloroethane	11.17	97	240731	57.119	ug/l	96
56) Ethyl methacrylate	11.02	69	261357	58.028	ug/l	93
57) 1,3-Dichloropropane	11.39	76	396174	61.393	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.83	63	706861	305.698	ug/l	95
59) 2-Hexanone	11.52	43	812042	337.412	ug/l	97
60) Dibromochloromethane	11.66	129	494194	62.954	ug/l	98
61) 1,2-Dibromoethane	11.79	107	312338	62.749	ug/l	96
64) Tetrachloroethene	11.24	164	434490	66.612	ug/l	95
65) Chlorobenzene	12.38	112	850325	57.812	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.50	131	442348	64.308	ug/l	94
67) Ethyl Benzene	12.51	91	1599335	60.564	ug/l	100
68) m/p-Xylenes	12.66	106	1117910	121.545	ug/l	99
69) o-Xylene	13.03	106	538793	64.082	ug/l	96
70) Styrene	13.06	104	901015	61.011	ug/l	93
71) Bromoform	13.22	173	307360	65.218	ug/l	99
73) Isopropylbenzene	13.40	105	1662356	55.219	ug/l	100
74) N-amyl acetate	13.26	43	448583	61.358	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.69	83	290178	59.159	ug/l	99
76) 1,2,3-Trichloropropane	13.72	75	336296	62.044	ug/l	95
77) Bromobenzene	13.66	156	452708	55.909	ug/l	93
78) n-propylbenzene	13.76	91	1874048	53.484	ug/l	93
79) 2-Chlorotoluene	13.83	91	1142071	57.035	ug/l	98
80) 1,3,5-Trimethylbenzene	13.93	105	1412155	55.845	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.46	75	79308	55.828	ug/l	94
82) 4-Chlorotoluene	13.94	91	1378398	57.178	ug/l	99
83) tert-Butylbenzene	14.18	119	1411061	50.062	ug/l	100
84) 1,2,4-Trimethylbenzene	14.22	105	1490071	57.492	ug/l	97
85) sec-Butylbenzene	14.36	105	1616908	52.781	ug/l	97
86) p-Isopropyltoluene	14.48	119	1432621	51.118	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	745500	51.361	ug/l	97
88) 1,4-Dichlorobenzene	14.53	146	806672	55.332	ug/l	98
89) n-Butylbenzene	14.78	91	1340242	51.094	ug/l	99
90) Hexachloroethane	15.00	117	417206	55.367	ug/l	97
91) 1,2-Dichlorobenzene	14.79	146	690392	55.593	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	15.37	75	59441	62.088	ug/l #	48

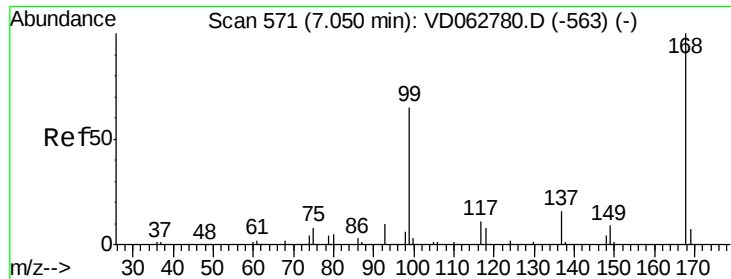
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062719\
Data File : VD062946.D
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	539574	55.620	ug/l	96
94) Hexachlorobutadiene	16.02	225	393950	53.156	ug/l	98
95) Naphthalene	16.11	128	773845	56.913	ug/l	99
96) 1,2,3-Trichlorobenzene	16.26	180	452499	60.708	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.02 min Scan# 568

Delta R.T. -0.03 min

Lab File: VD062946.D

Acq: 27 Jun 2019 21:55

Instrument :

MSVOA_D

ClientSampleId :

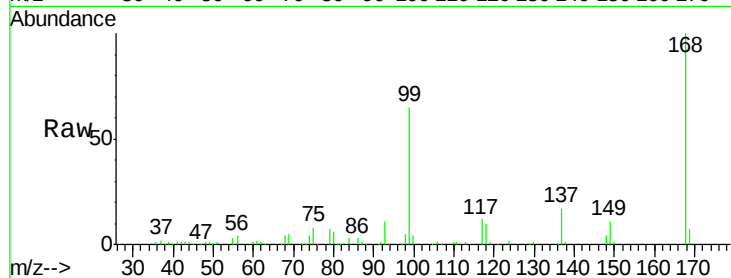
VSTDCCC050EC

Tot Ion:168 Resp: 689322

Ion Ratio Lower Upper

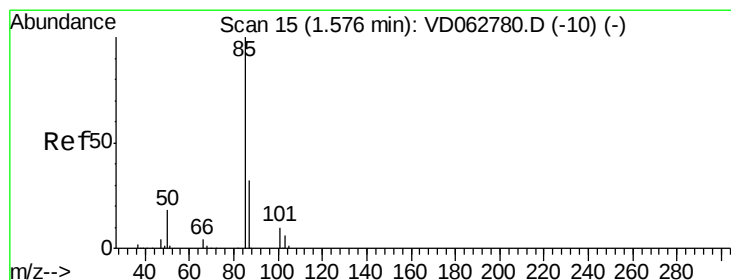
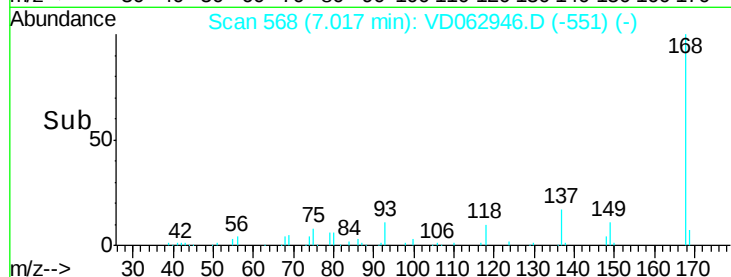
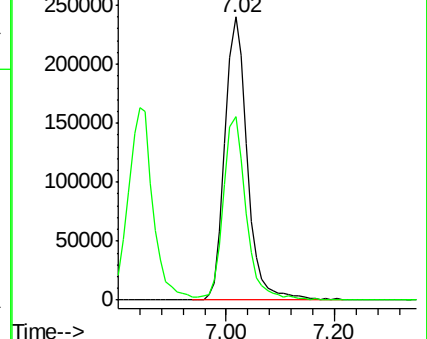
168 100

99 64.6 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 50.697 ug/l

RT: 1.56 min Scan# 14

Delta R.T. -0.01 min

Lab File: VD062946.D

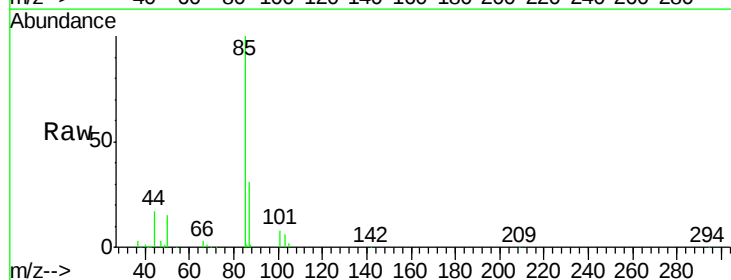
Acq: 27 Jun 2019 21:55

Tgt Ion: 85 Resp: 452218

Ion Ratio Lower Upper

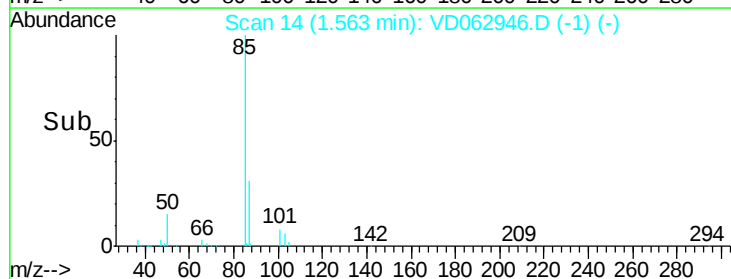
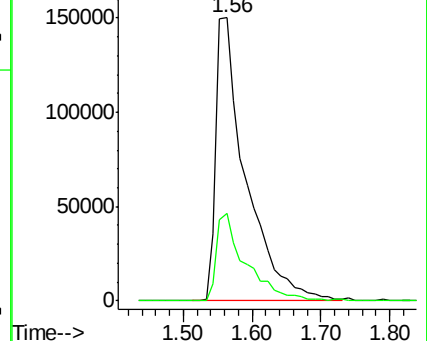
85 100

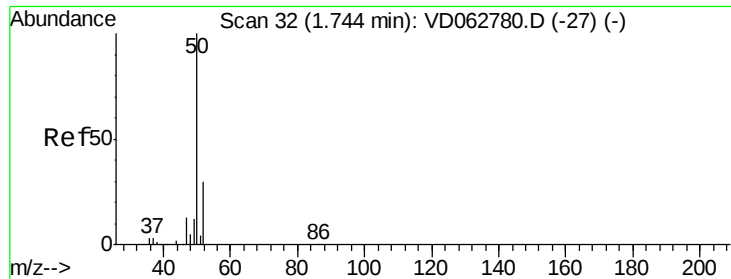
87 31.0 15.9 47.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 48.251 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.01 min

Lab File: VD062946.D

Acq: 27 Jun 2019 21:55

Instrument :

MSVOA_D

ClientSampleId :

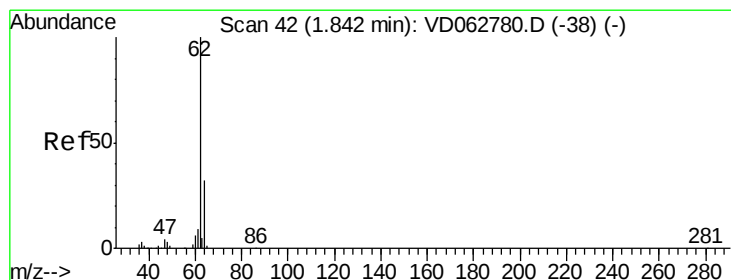
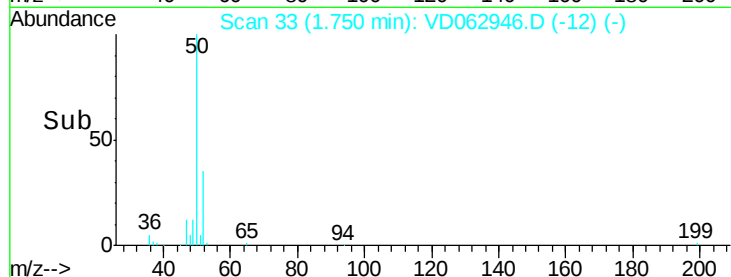
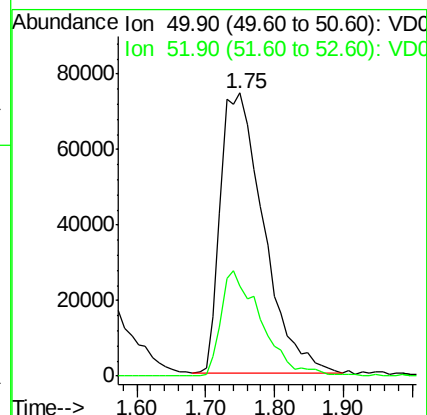
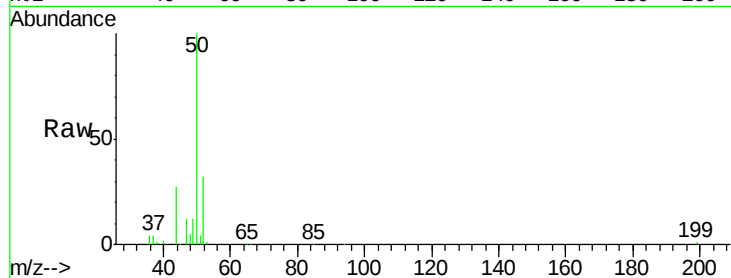
VSTDCCC050EC

Tot Ion: 50 Resp: 323689

Ion Ratio Lower Upper

50 100

52 31.8 23.6 35.4



#4

Vinyl Chloride

Concen: 51.228 ug/l

RT: 1.83 min Scan# 41

Delta R.T. -0.01 min

Lab File: VD062946.D

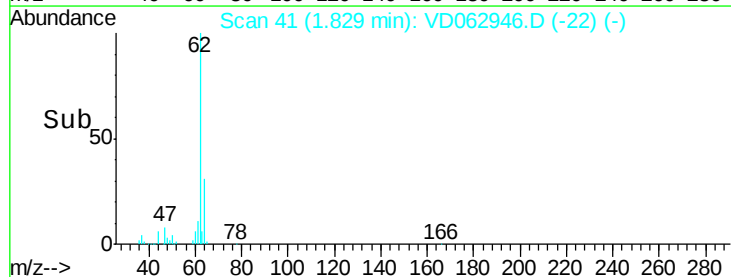
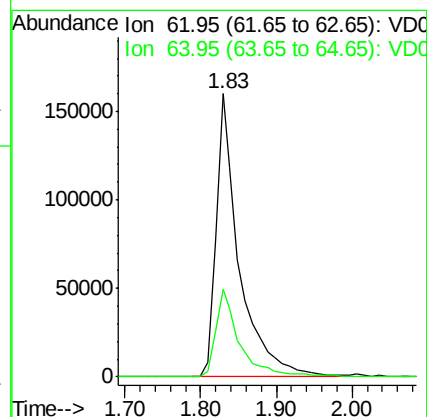
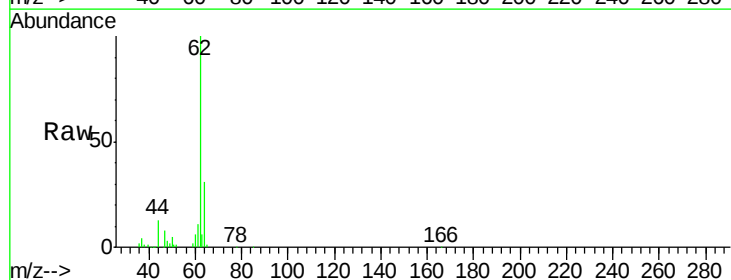
Acq: 27 Jun 2019 21:55

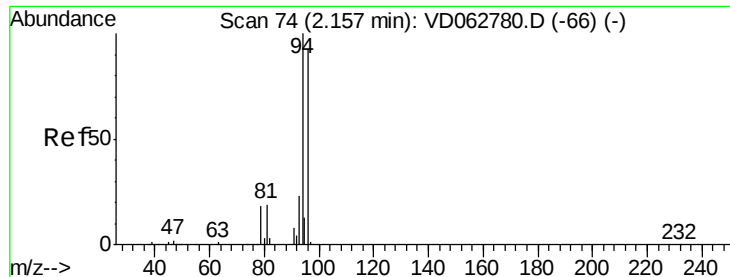
Tgt Ion: 62 Resp: 340737

Ion Ratio Lower Upper

62 100

64 31.1 25.6 38.4





#5

Bromomethane

Concen: 45.821 ug/l

RT: 2.13 min Scan# 72

Delta R.T. -0.02 min

Lab File: VD062946.D

Acq: 27 Jun 2019 21:55

Instrument :

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ClientSampleId :

VSTDCCC050EC

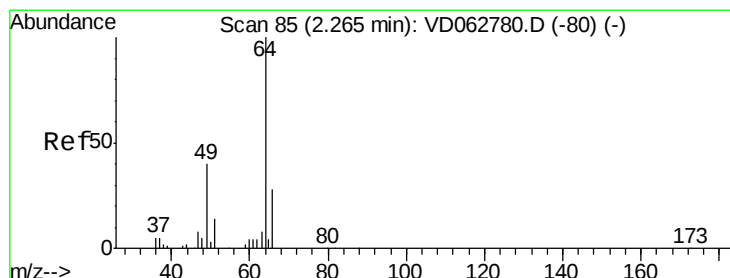
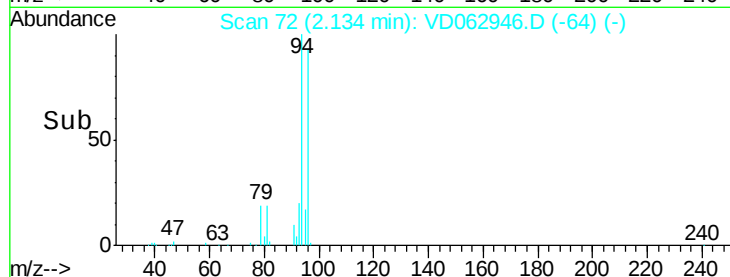
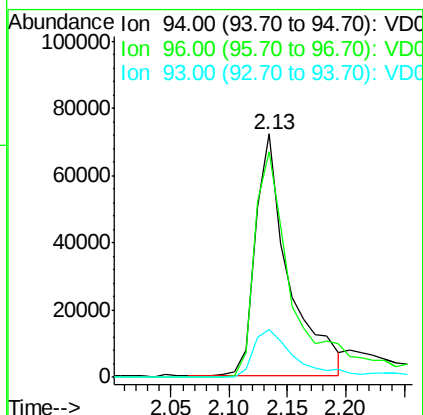
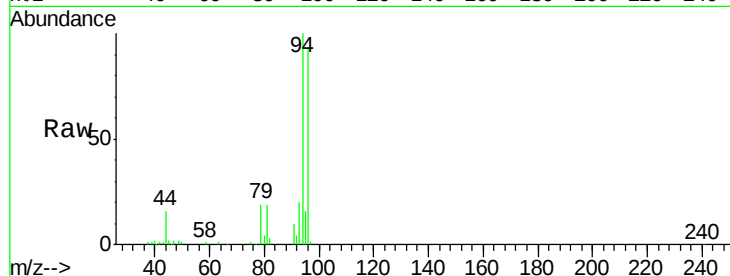
Tot Ion: 94 Resp: 142730

Ion Ratio Lower Upper

94 100

96 92.5 73.4 110.2

93 19.8 18.2 27.4



#6

Chloroethane

Concen: 57.507 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.01 min

Lab File: VD062946.D

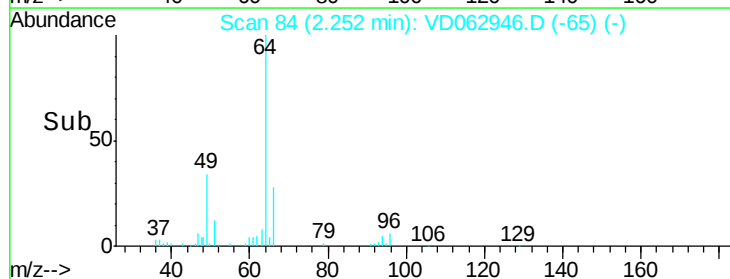
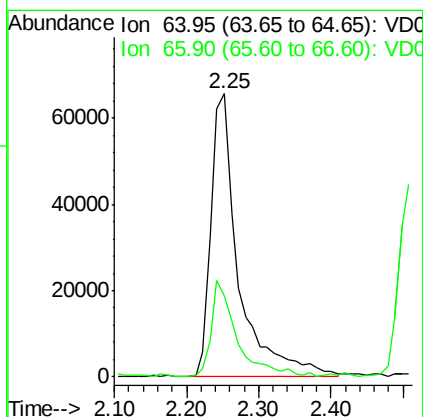
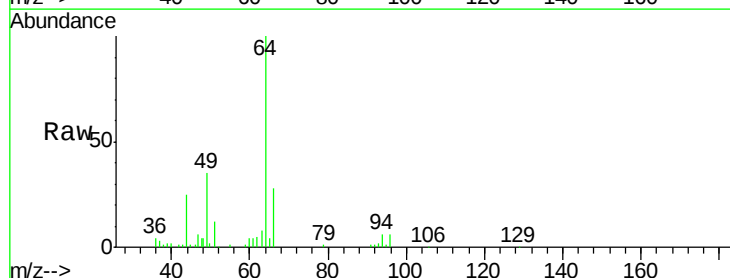
Acq: 27 Jun 2019 21:55

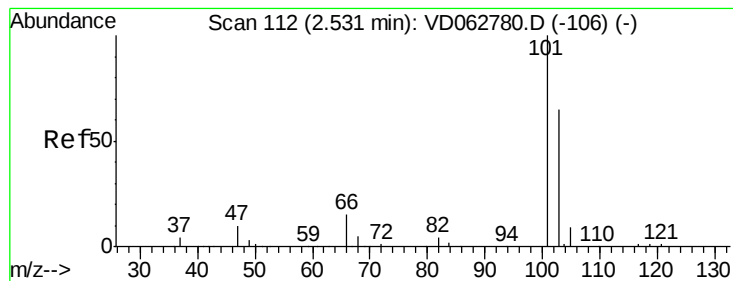
Tgt Ion: 64 Resp: 173173

Ion Ratio Lower Upper

64 100

66 28.5 23.0 34.4



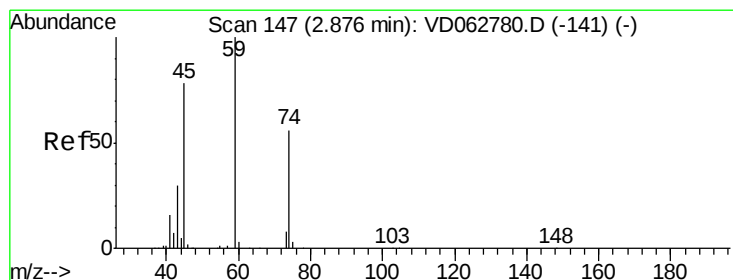
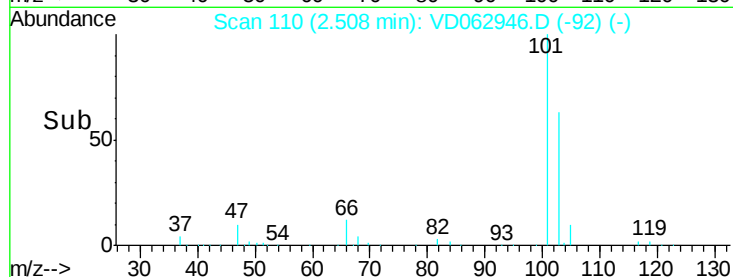
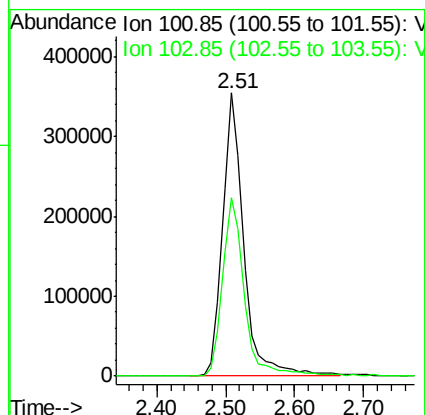
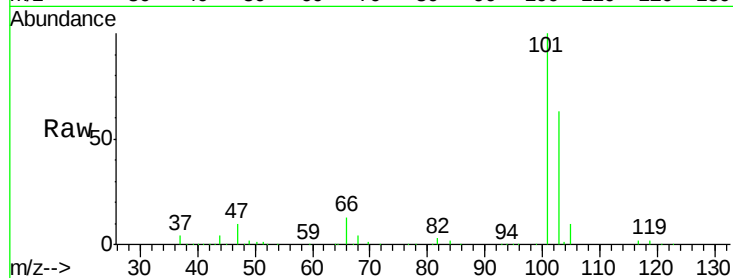


#7

Trichlorofluoromethane
Concen: 56.325 ug/l
RT: 2.51 min Scan# 110
Delta R.T. -0.02 min
Lab File: VD062946.D
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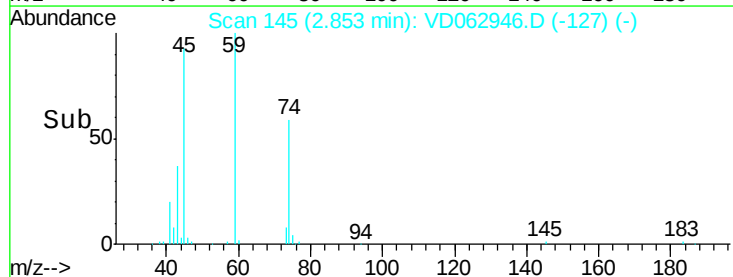
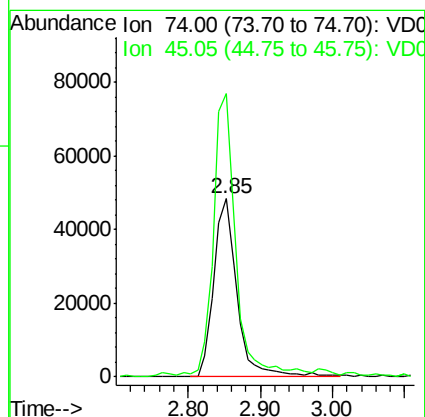
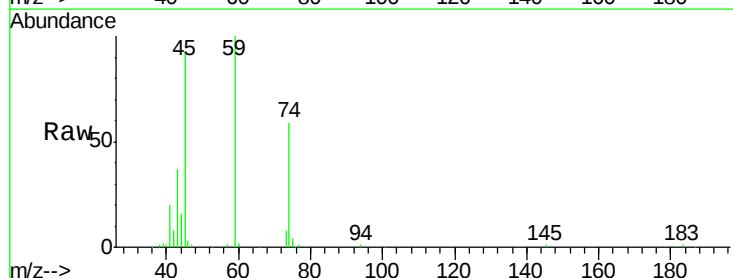
Tot Ion:101 Resp: 758199
Ion Ratio Lower Upper
101 100
103 63.1 51.8 77.8

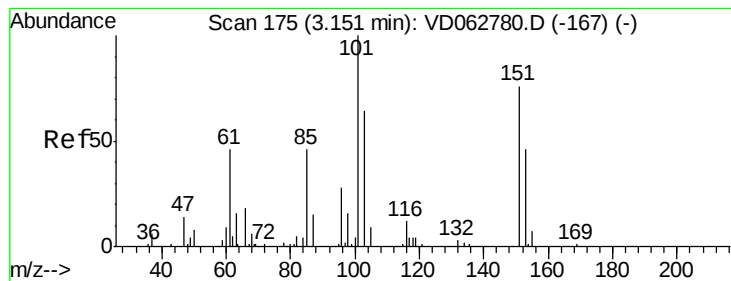


#8

Diethyl Ether
Concen: 62.952 ug/l
RT: 2.85 min Scan# 145
Delta R.T. -0.02 min
Lab File: VD062946.D
Acq: 27 Jun 2019 21:55

Tgt Ion: 74 Resp: 107669
Ion Ratio Lower Upper
74 100
45 158.9 70.2 210.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.814 ug/l

RT: 3.12 min Scan# 172

Delta R.T. -0.03 min

Lab File: VD062946.D

Acq: 27 Jun 2019 21:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

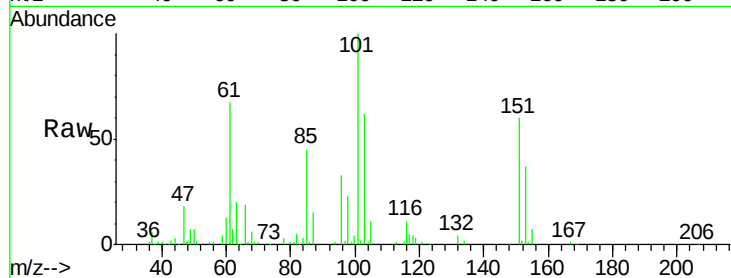
Tot Ion:101 Resp: 377861

Ion Ratio Lower Upper

101 100

85 45.2 37.0 55.4

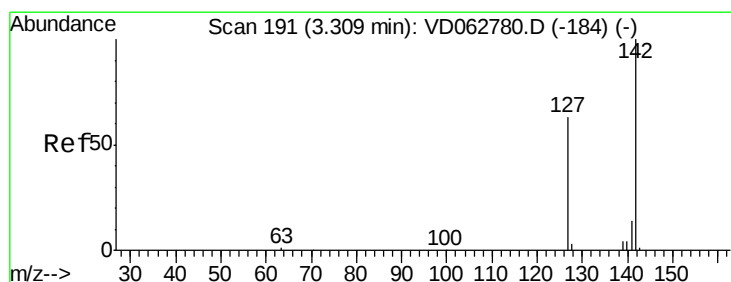
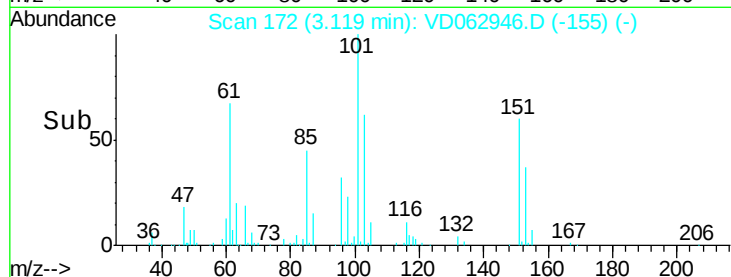
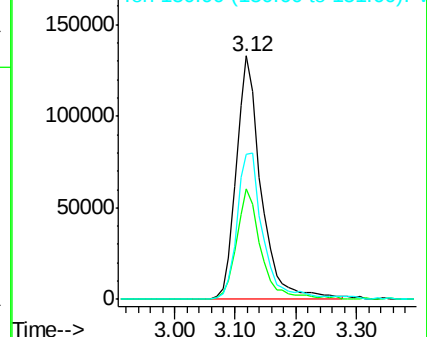
151 59.8 60.5 90.7#



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: 51.603 ug/l

RT: 3.28 min Scan# 188

Delta R.T. -0.03 min

Lab File: VD062946.D

Acq: 27 Jun 2019 21:55

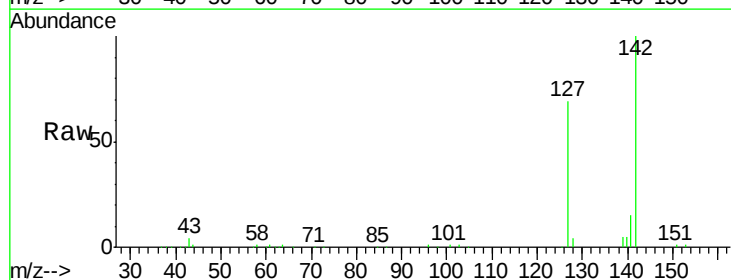
Tgt Ion:142 Resp: 496471

Ion Ratio Lower Upper

142 100

127 68.5 50.1 75.1

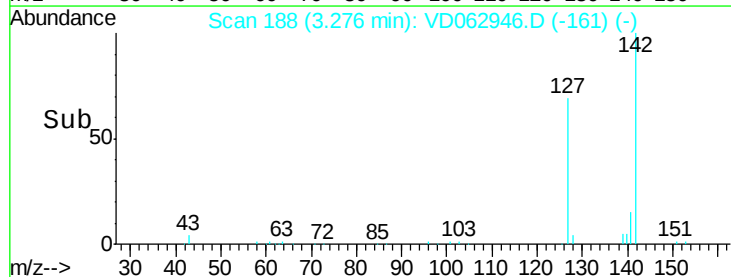
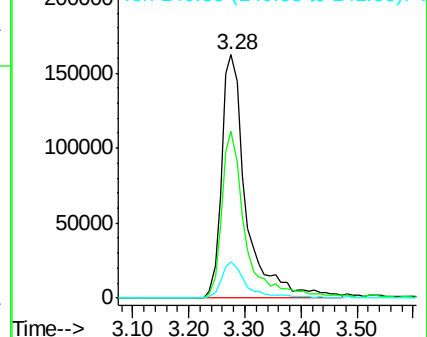
141 15.2 11.0 16.4

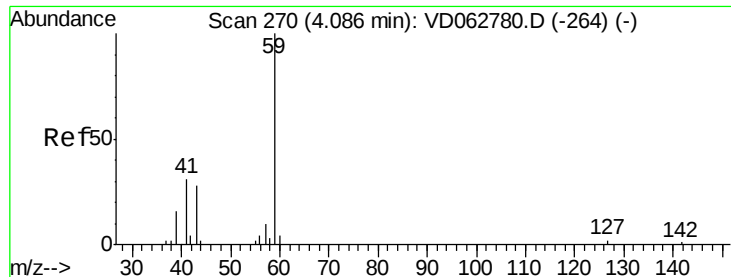


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



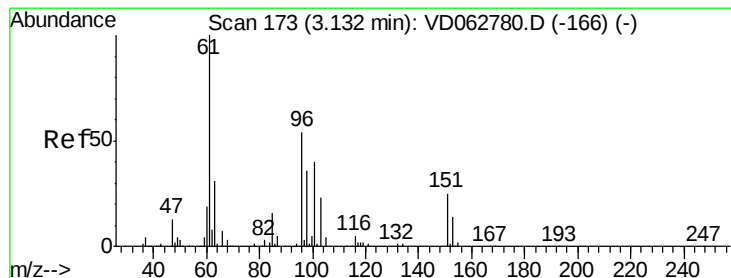
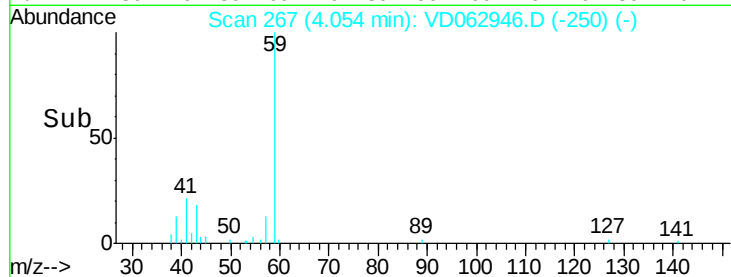
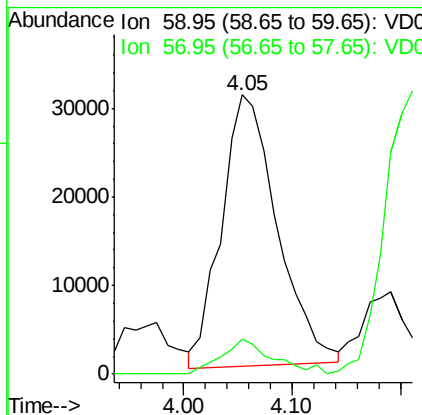
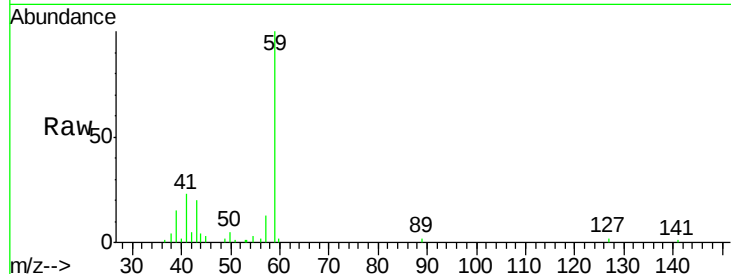


#11

Tert butyl alcohol
Concen: 320.570 ug/l
RT: 4.05 min Scan# 267
Delta R.T. -0.03 min
Lab File: VD062946.D
Acq: 27 Jun 2019 21:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

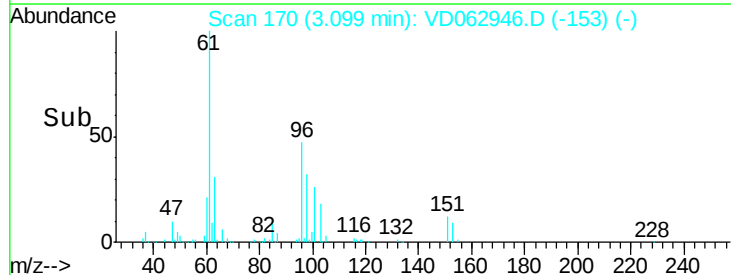
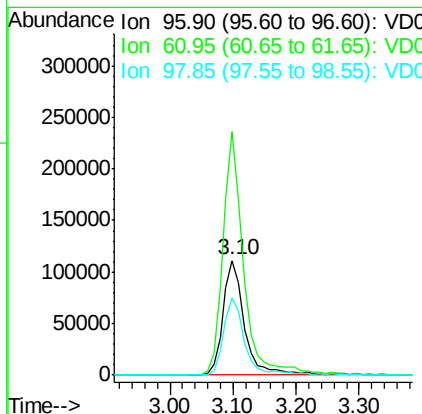
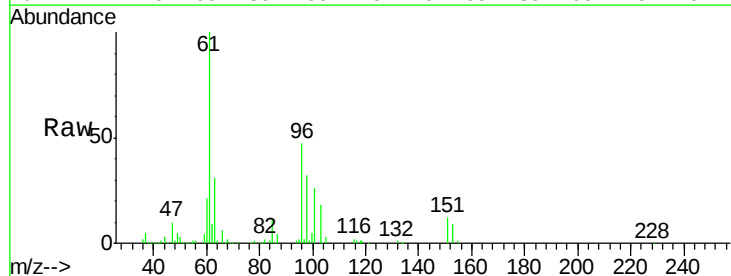
Tot Ion: 59 Resp: 109397
Ion Ratio Lower Upper
59 100
57 12.6 6.6 10.0#

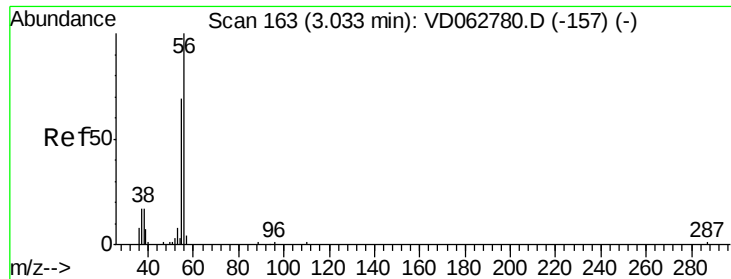


#12

1,1-Dichloroethene
Concen: 48.429 ug/l
RT: 3.10 min Scan# 170
Delta R.T. -0.03 min
Lab File: VD062946.D
Acq: 27 Jun 2019 21:55

Tgt Ion: 96 Resp: 264941
Ion Ratio Lower Upper
96 100
61 213.0 147.1 220.7
98 67.4 52.6 79.0





#13

Acrolein

Concen: 251.653 ug/l

RT: 3.01 min Scan# 161

Delta R.T. -0.02 min

Lab File: VD062946.D

Acq: 27 Jun 2019 21:55

Instrument :

MSVOA_D

ClientSampleId :

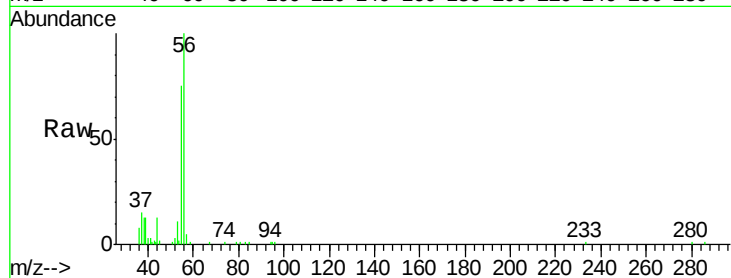
VSTDCCC050EC

Tot Ion: 56 Resp: 87672

Ion Ratio Lower Upper

56 100

55 74.7 55.4 83.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.01

40000

30000

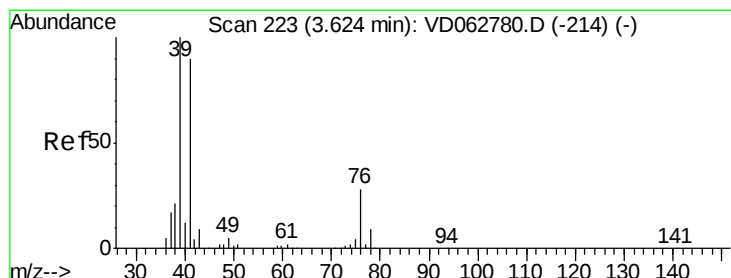
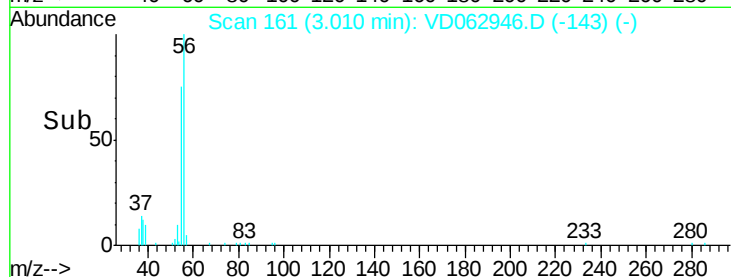
20000

10000

0

Time-->

2.90 3.00 3.10



#14

Allyl chloride

Concen: 55.226 ug/l

RT: 3.59 min Scan# 220

Delta R.T. -0.03 min

Lab File: VD062946.D

Acq: 27 Jun 2019 21:55

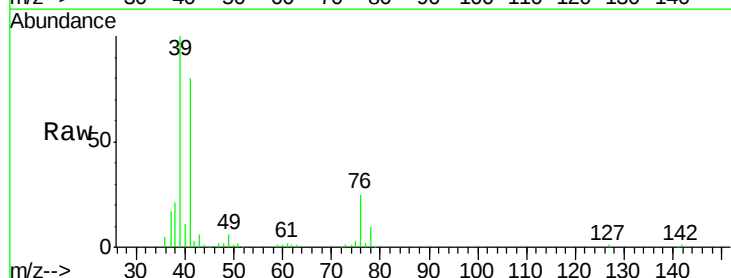
Tgt Ion: 41 Resp: 446421

Ion Ratio Lower Upper

41 100

39 125.1 88.8 133.2

76 30.8 26.7 40.1



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

3.59

250000

200000

150000

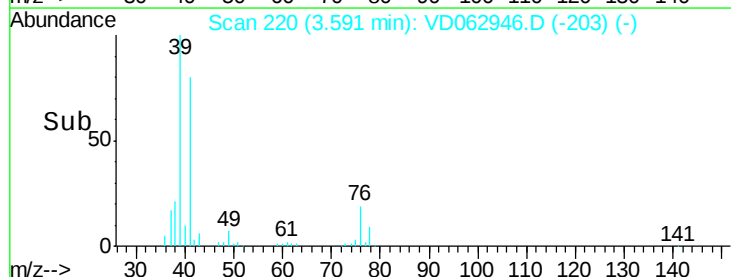
100000

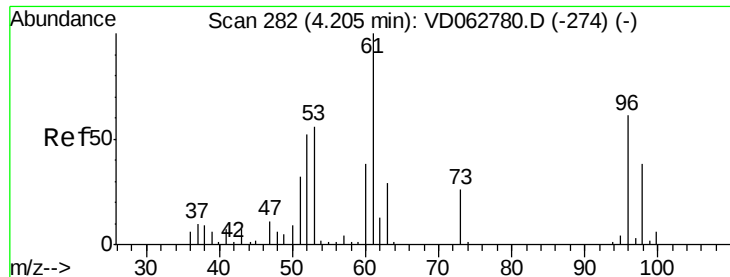
50000

0

Time-->

3.50 3.60 3.70 3.80





#15

Acrylonitrile

Concen: 297.887 ug/l

RT: 4.17 min Scan# 279

Delta R.T. -0.03 min

Lab File: VD062946.D

Acq: 27 Jun 2019 21:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

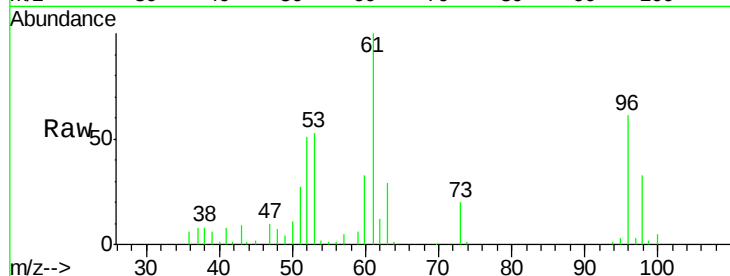
Tot Ion: 53 Resp: 238865

Ion Ratio Lower Upper

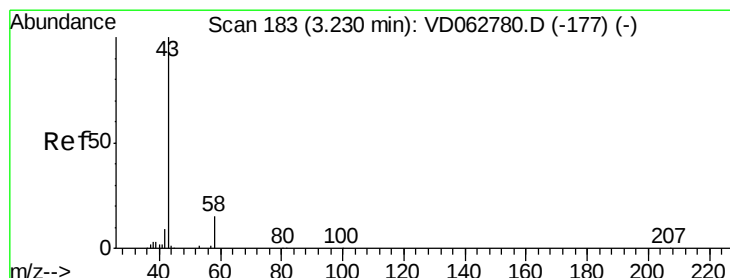
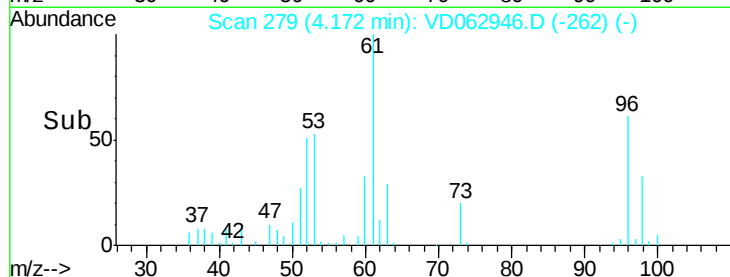
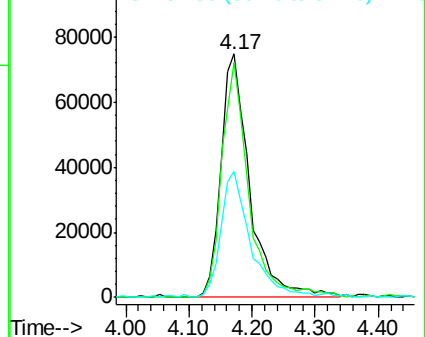
53 100

52 96.4 73.3 109.9

51 51.6 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: 313.298 ug/l

RT: 3.20 min Scan# 180

Delta R.T. -0.03 min

Lab File: VD062946.D

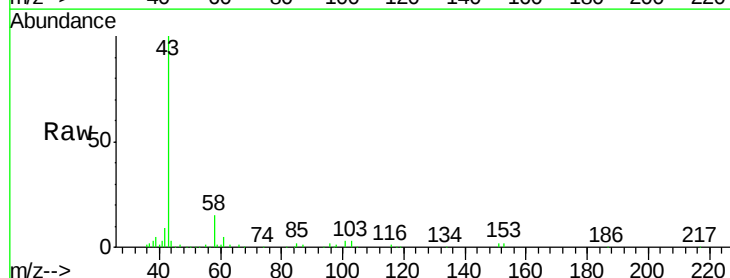
Acq: 27 Jun 2019 21:55

Tgt Ion: 43 Resp: 473359

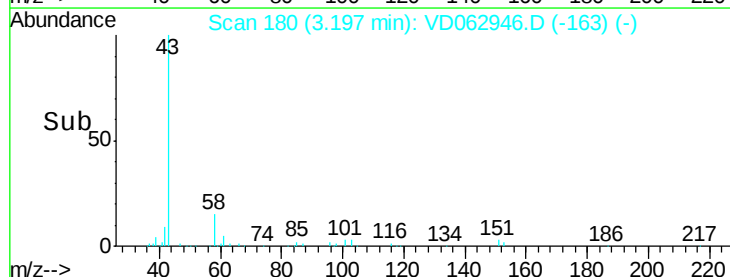
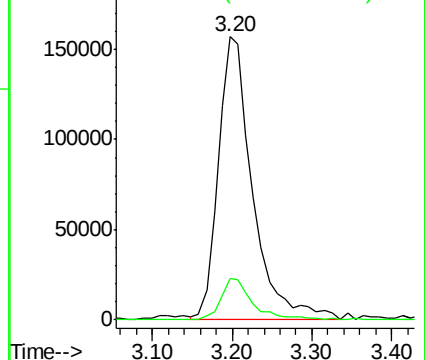
Ion Ratio Lower Upper

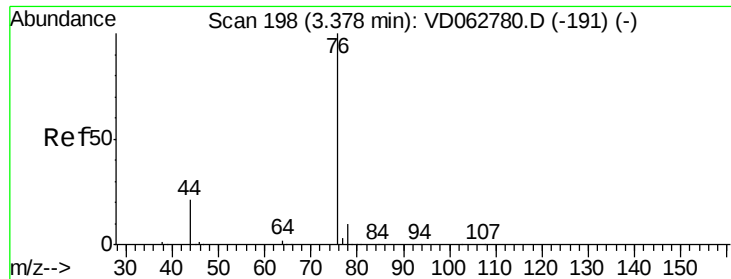
43 100

58 14.6 11.9 17.9



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

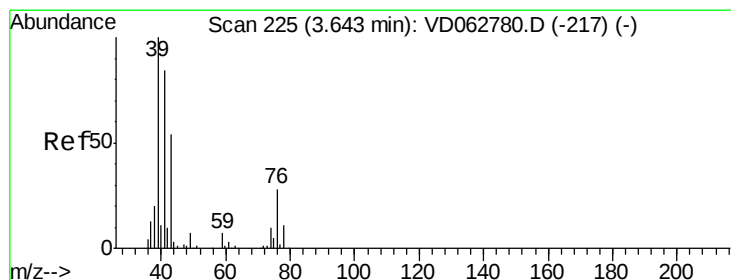
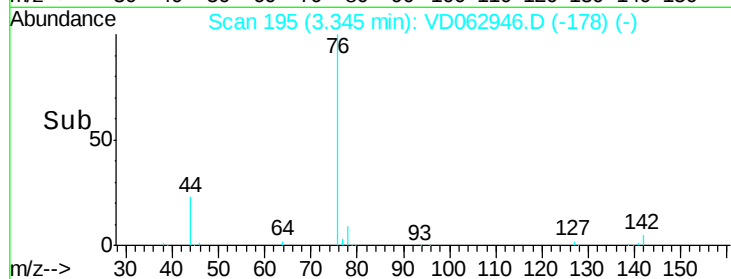
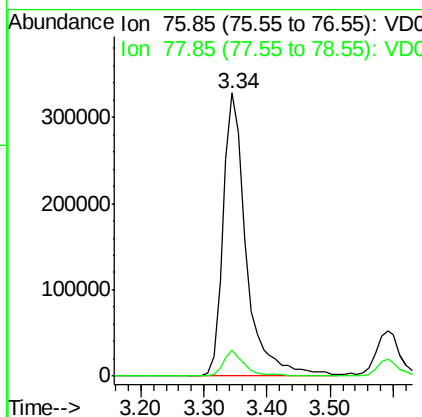
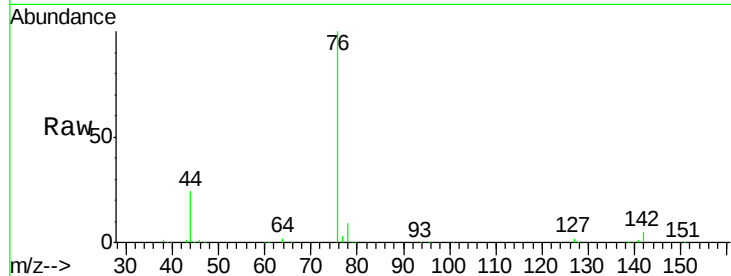




#17
Carbon Disulfide
Concen: 47.998 ug/l
RT: 3.34 min Scan# 195
Delta R.T. -0.03 min
Lab File: VD062946.D
Acq: 27 Jun 2019 21:55

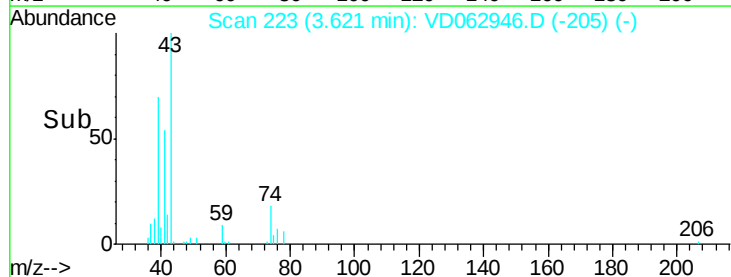
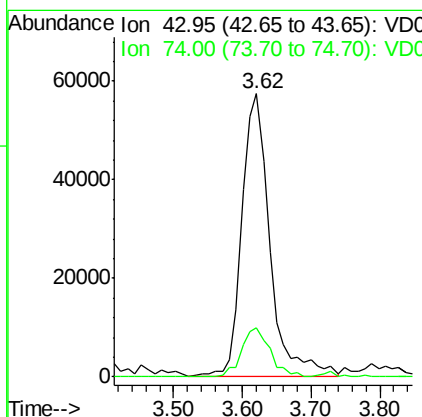
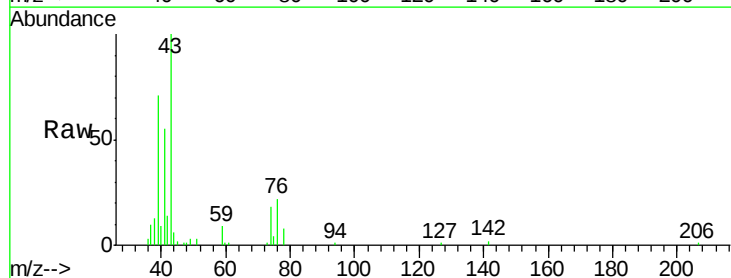
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

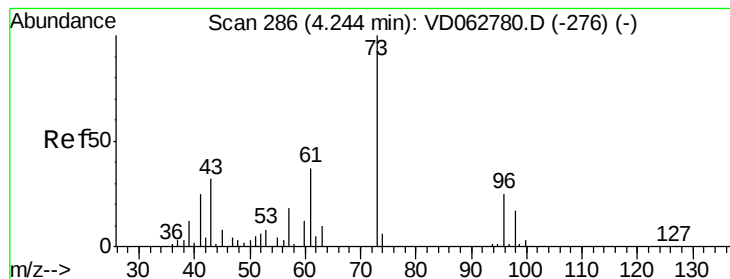
Tot Ion: 76 Resp: 839199
Ion Ratio Lower Upper
76 100
78 9.3 8.0 12.0



#18
Methyl Acetate
Concen: 72.182 ug/l
RT: 3.62 min Scan# 223
Delta R.T. -0.02 min
Lab File: VD062946.D
Acq: 27 Jun 2019 21:55

Tgt Ion: 43 Resp: 163269
Ion Ratio Lower Upper
43 100
74 17.6 15.2 22.8



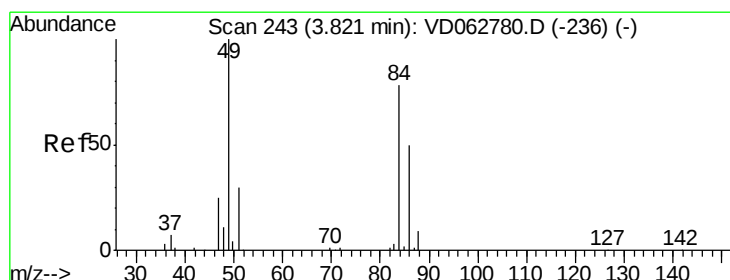
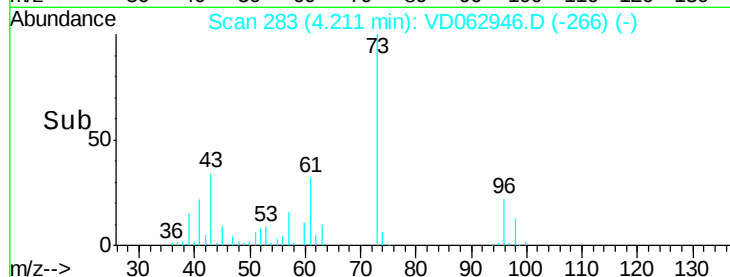
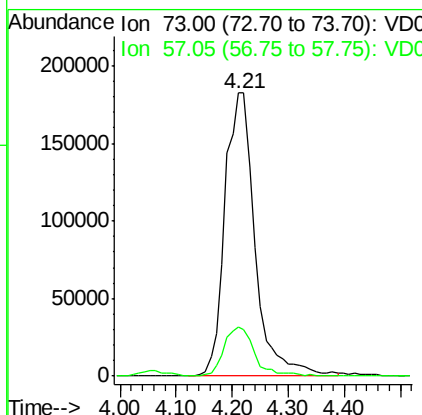
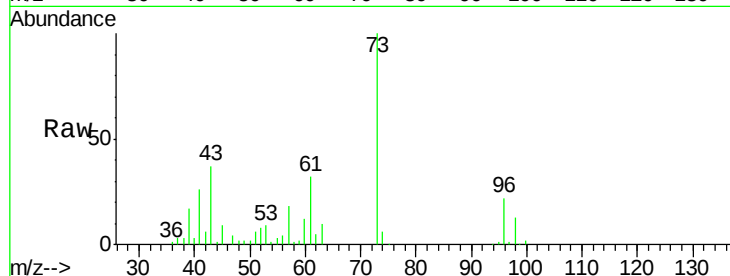


#19

Methyl tert-butyl Ether
 Concen: 57.435 ug/l
 RT: 4.21 min Scan# 283
 Delta R.T. -0.03 min
 Lab File: VD062946.D
 Acq: 27 Jun 2019 21:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

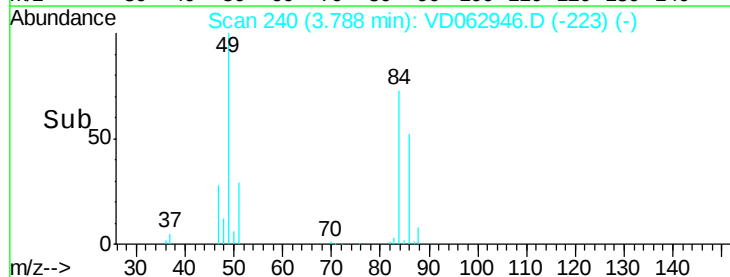
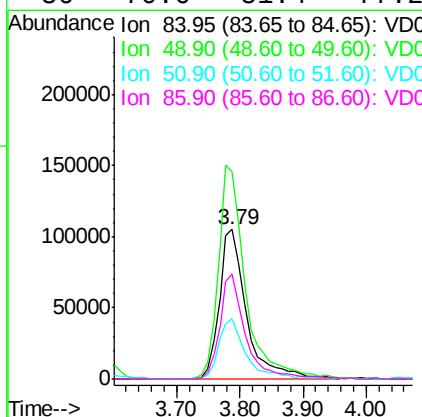
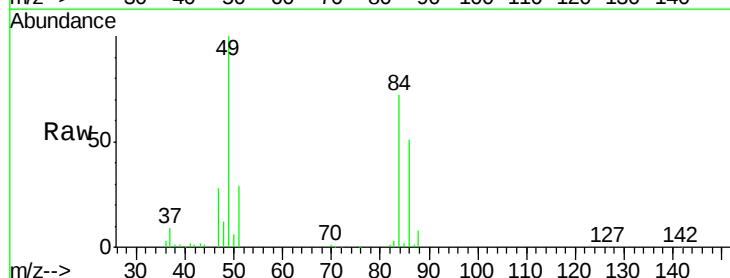
Tot Ion: 73 Resp: 680200
 Ion Ratio Lower Upper
 73 100
 57 17.5 14.3 21.5

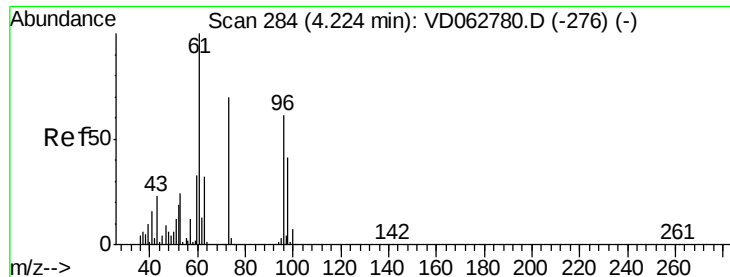


#20

Methylene Chloride
 Concen: 55.185 ug/l
 RT: 3.79 min Scan# 240
 Delta R.T. -0.03 min
 Lab File: VD062946.D
 Acq: 27 Jun 2019 21:55

Tgt Ion: 84 Resp: 315346
 Ion Ratio Lower Upper
 84 100
 49 138.4 102.9 154.3
 51 40.6 31.2 46.8
 86 70.6 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 54.567 ug/l

RT: 4.18 min Scan# 280

Delta R.T. -0.04 min

Lab File: VD062946.D

Acq: 27 Jun 2019 21:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

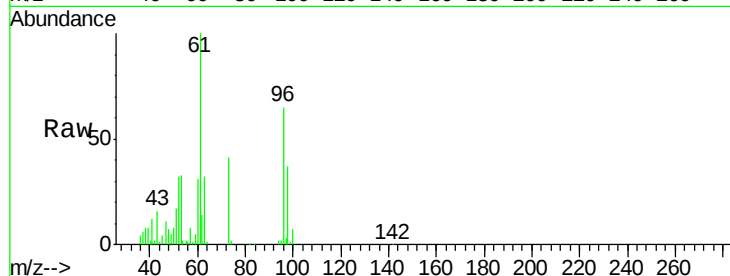
Tot Ion: 96 Resp: 317854

Ion Ratio Lower Upper

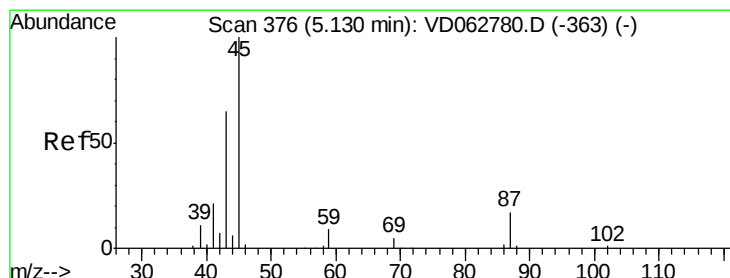
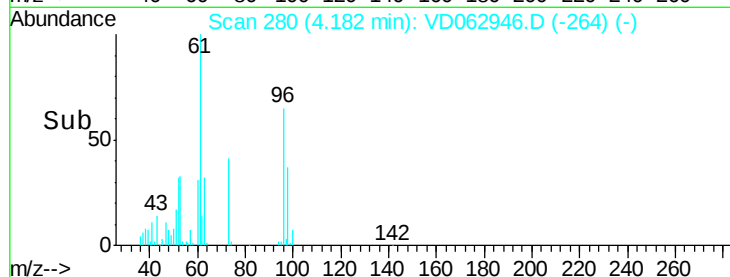
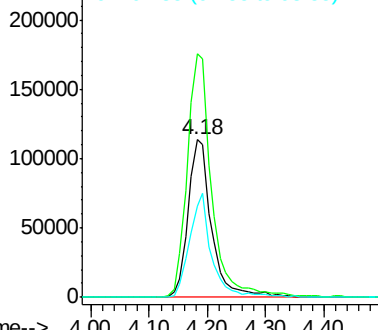
96 100

61 154.6 131.0 196.4

98 57.9 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: 58.016 ug/l

RT: 5.09 min Scan# 372

Delta R.T. -0.04 min

Lab File: VD062946.D

Acq: 27 Jun 2019 21:55

Tgt Ion: 45 Resp: 953731

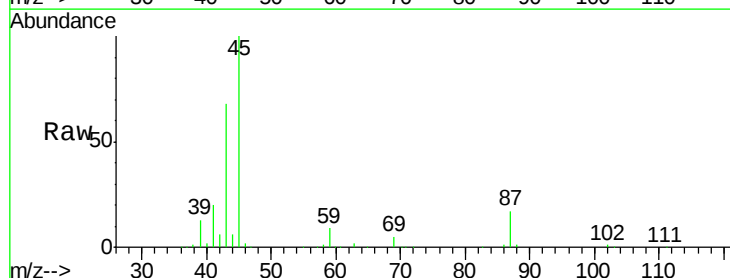
Ion Ratio Lower Upper

45 100

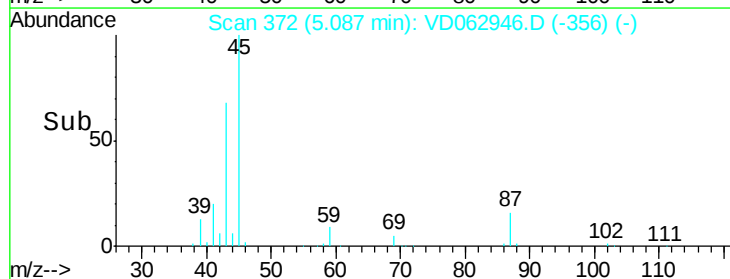
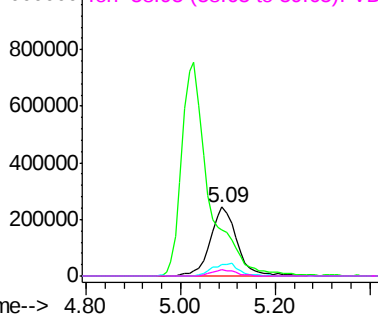
43 68.0 53.4 80.0

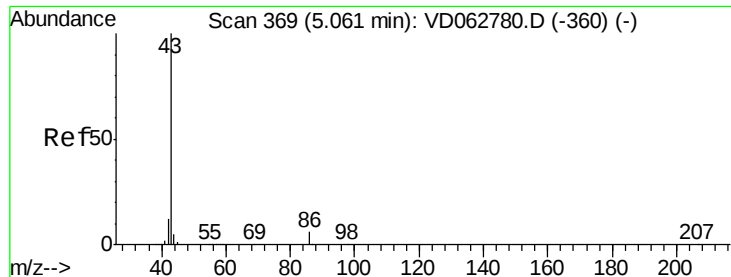
87 16.7 14.6 22.0

59 9.1 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: 290.515 ug/l

RT: 5.03 min Scan# 366

Delta R.T. -0.03 min

Lab File: VD062946.D

Acq: 27 Jun 2019 21:55

Instrument :

MSVOA_D

ClientSampleId :

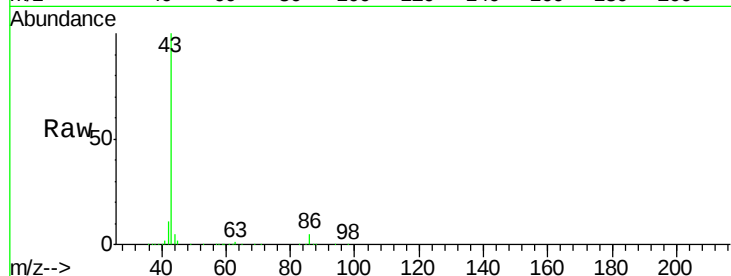
VSTDCCC050EC

Tot Ion: 43 Resp: 2988432

Ion Ratio Lower Upper

43 100

86 5.1 4.7 7.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.03

800000

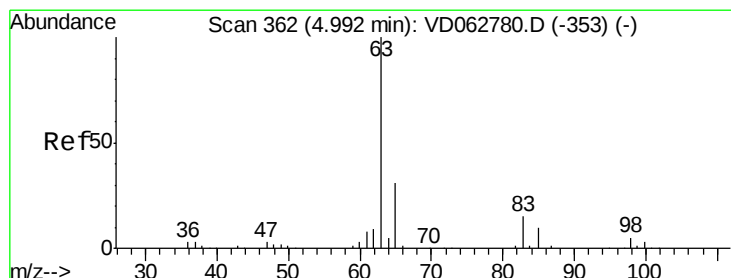
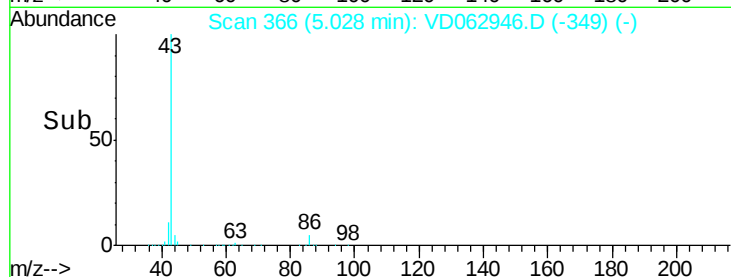
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 56.933 ug/l

RT: 4.95 min Scan# 358

Delta R.T. -0.04 min

Lab File: VD062946.D

Acq: 27 Jun 2019 21:55

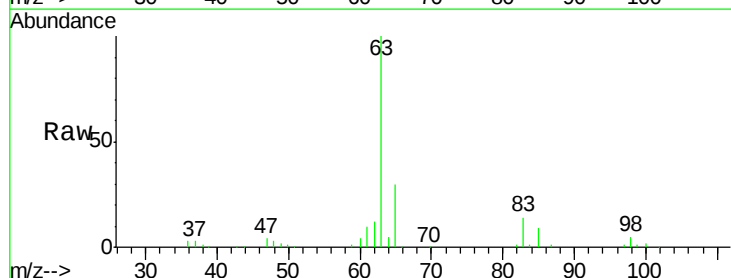
Tgt Ion: 63 Resp: 609366

Ion Ratio Lower Upper

63 100

98 4.5 2.3 6.9

100 2.1 1.7 5.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

200000

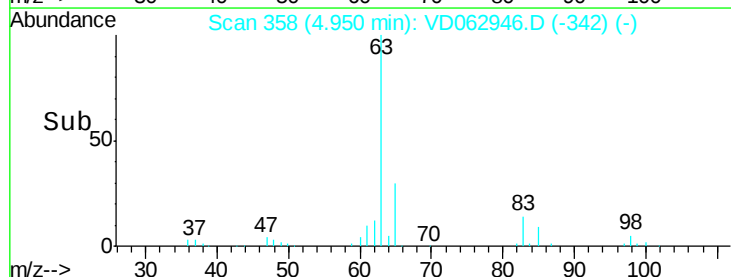
150000

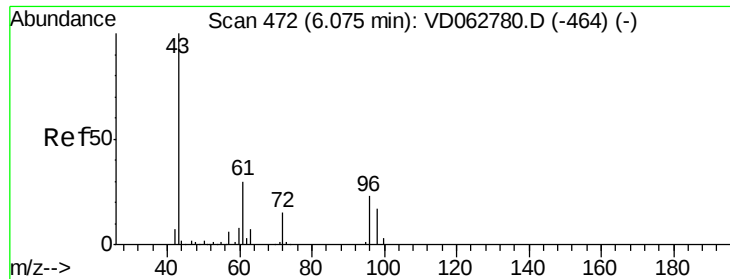
100000

50000

0

Time-->





#25

2-Butanone

Concen: 321.947 ug/l

RT: 6.04 min Scan# 469

Delta R.T. -0.03 min

Lab File: VD062946.D

Acq: 27 Jun 2019 21:55

Instrument :

MSVOA_D

ClientSampleId :

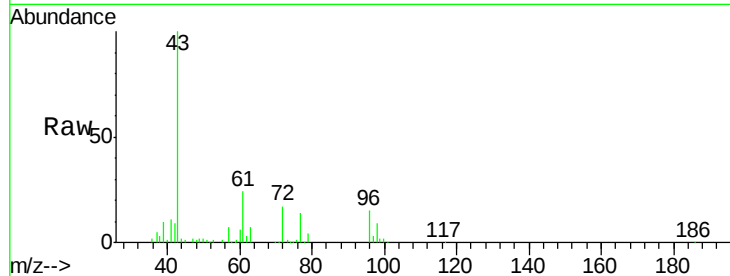
VSTDCCC050EC

Tot Ion: 43 Resp: 451172

Ion Ratio Lower Upper

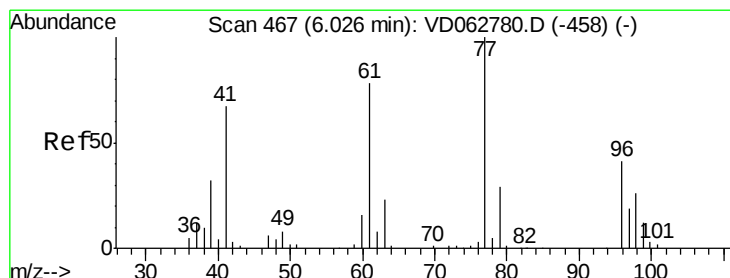
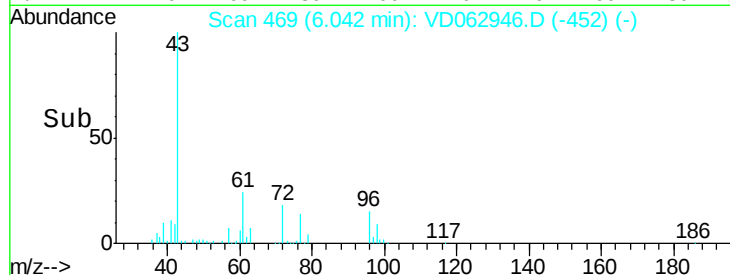
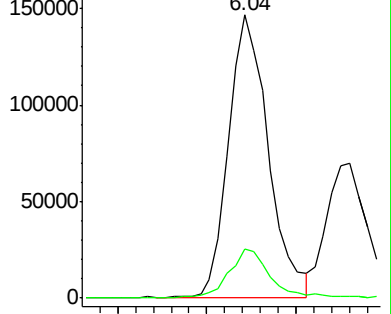
43 100

72 17.5 11.9 17.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 53.601 ug/l

RT: 5.99 min Scan# 464

Delta R.T. -0.03 min

Lab File: VD062946.D

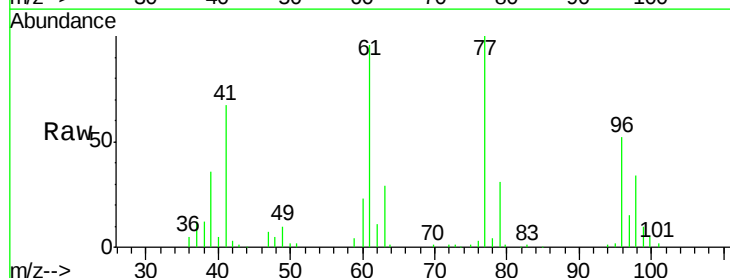
Acq: 27 Jun 2019 21:55

Tgt Ion: 77 Resp: 608096

Ion Ratio Lower Upper

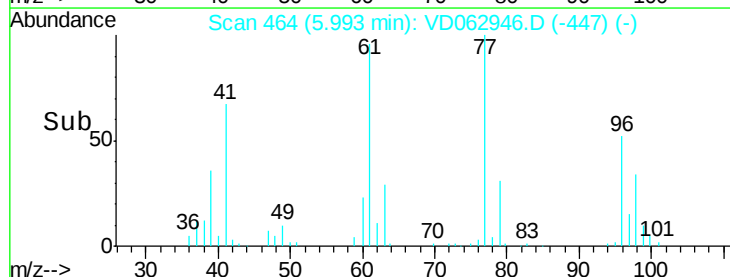
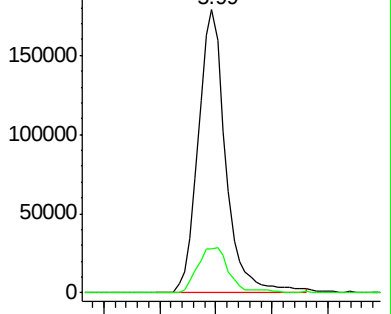
77 100

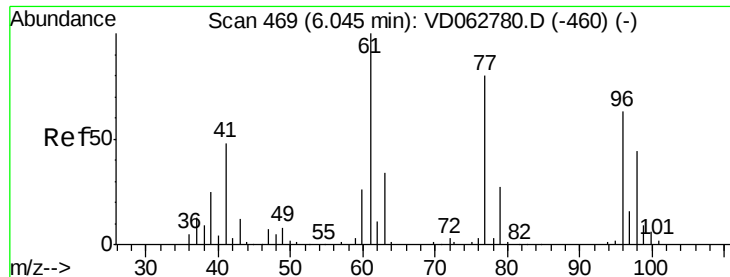
97 15.4 9.5 28.5



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



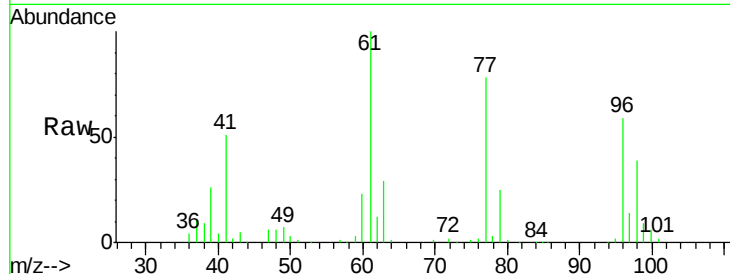


#27

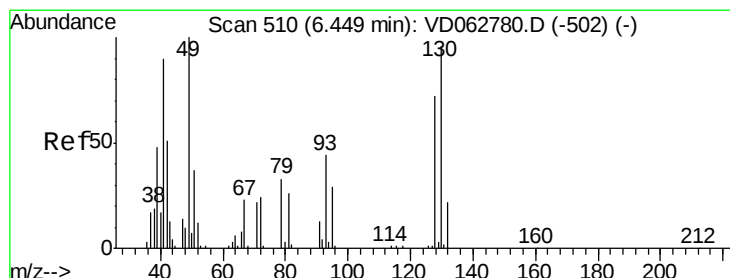
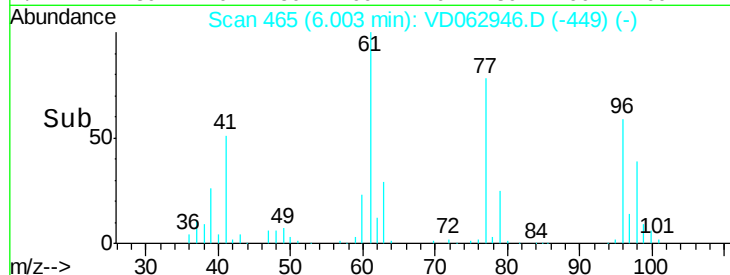
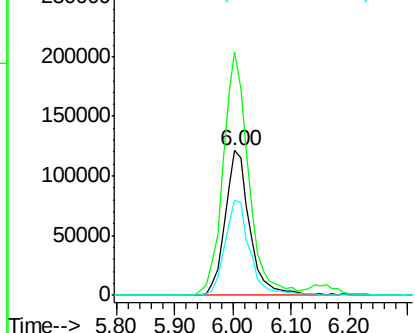
cis-1,2-Dichloroethene
 Concen: 58.003 ug/l
 RT: 6.00 min Scan# 465
 Delta R.T. -0.04 min
 Lab File: VD062946.D
 Acq: 27 Jun 2019 21:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 96 Resp: 357298
 Ion Ratio Lower Upper
 96 100
 61 168.4 0.0 316.0
 98 66.1 0.0 138.4



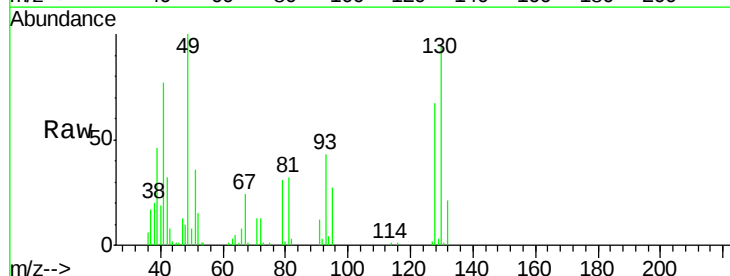
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



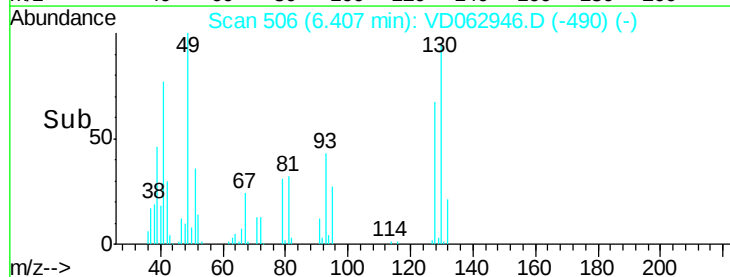
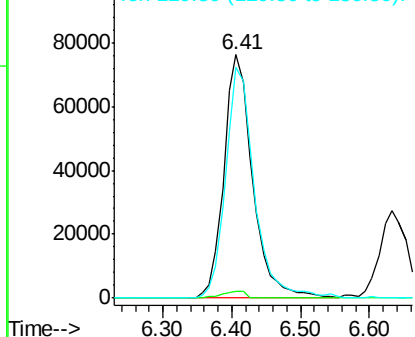
#28

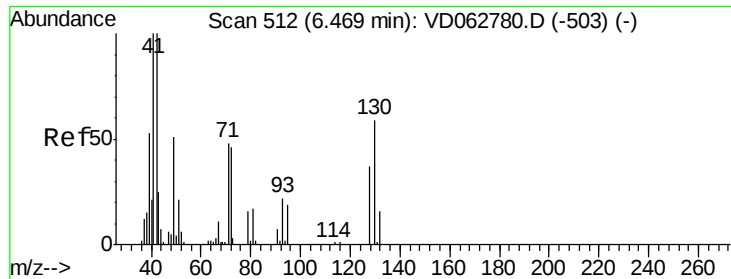
Bromochloromethane
 Concen: 58.369 ug/l
 RT: 6.41 min Scan# 506
 Delta R.T. -0.04 min
 Lab File: VD062946.D
 Acq: 27 Jun 2019 21:55

Tgt Ion: 49 Resp: 220030
 Ion Ratio Lower Upper
 49 100
 129 3.0 0.0 5.6
 130 94.8 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

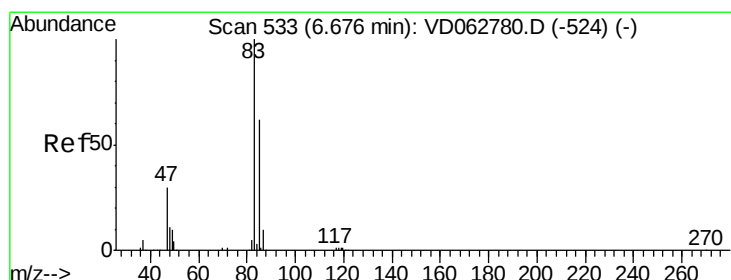
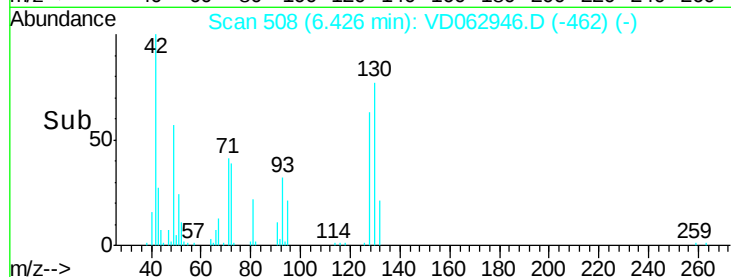
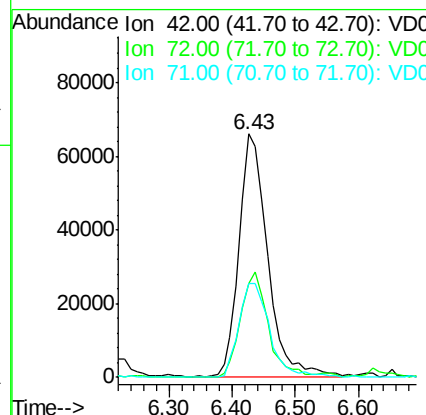
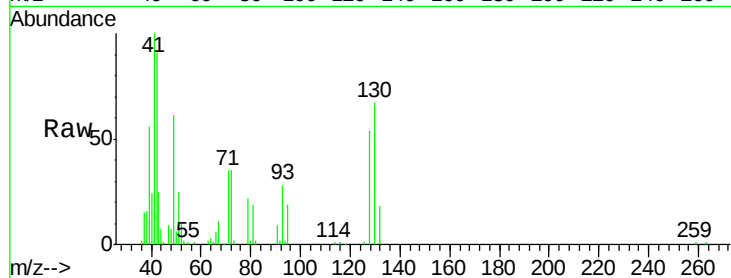




#29
Tetrahydrofuran
Concen: 314.412 ug/l
RT: 6.43 min Scan# 508
Delta R.T. -0.04 min
Lab File: VD062946.D
Acq: 27 Jun 2019 21:55

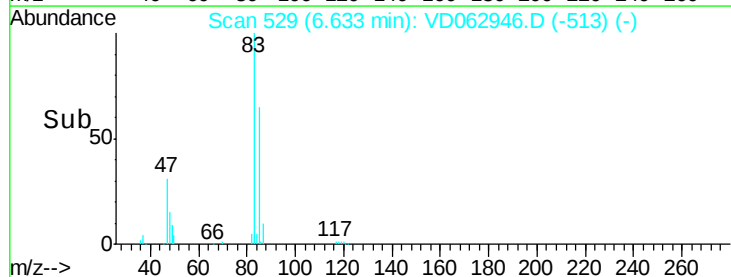
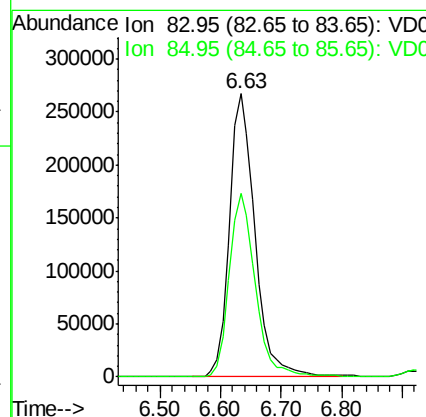
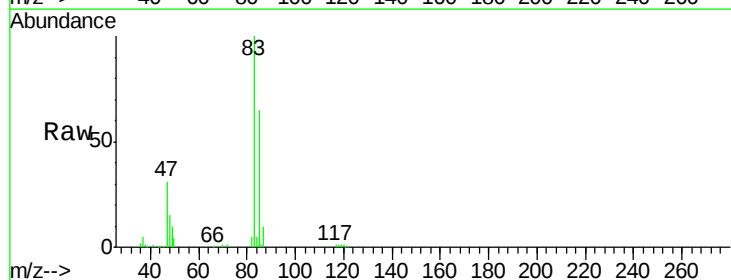
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

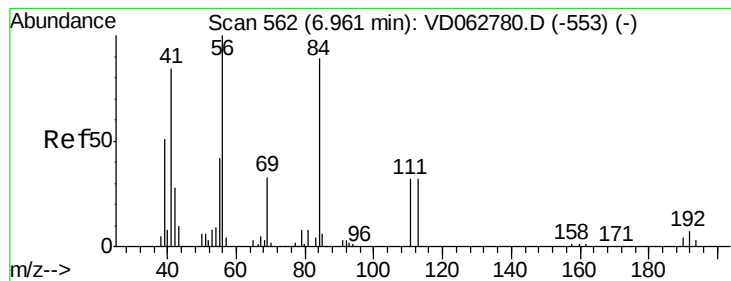
Tot Ion: 42 Resp: 208471
Ion Ratio Lower Upper
42 100
72 41.7 35.0 52.6
71 41.5 33.3 49.9



#30
Chloroform
Concen: 59.989 ug/l
RT: 6.63 min Scan# 529
Delta R.T. -0.04 min
Lab File: VD062946.D
Acq: 27 Jun 2019 21:55

Tgt Ion: 83 Resp: 780858
Ion Ratio Lower Upper
83 100
85 64.9 49.8 74.6





#31

Cyclohexane

Concen: 49.902 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.04 min

Lab File: VD062946.D

Acq: 27 Jun 2019 21:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

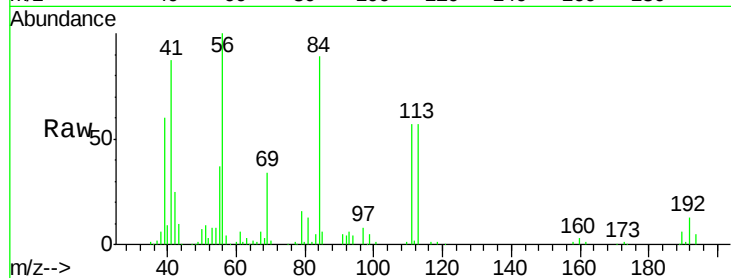
Tot Ion: 56 Resp: 351122

Ion Ratio Lower Upper

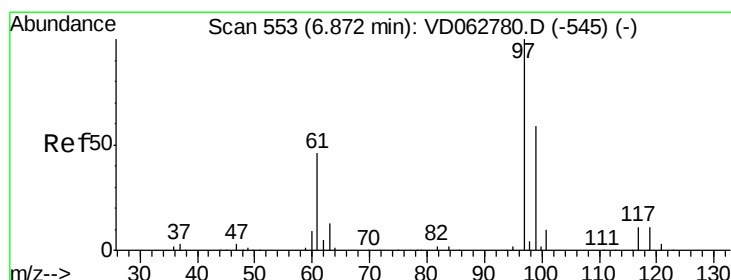
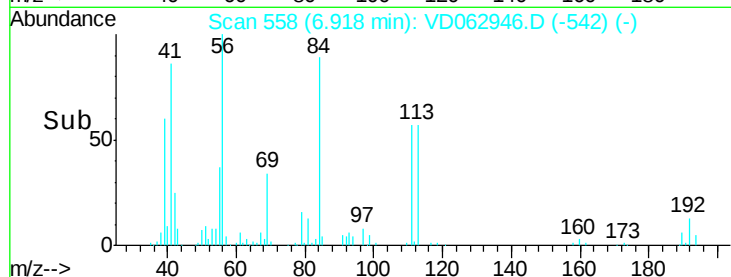
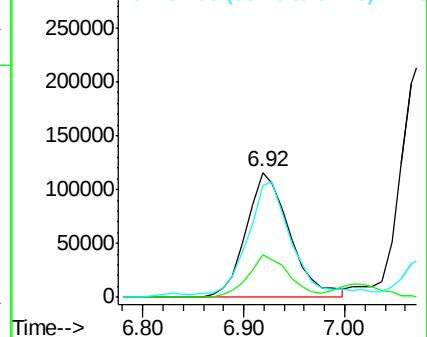
56 100

69 33.7 26.6 39.8

84 89.4 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: 58.438 ug/l

RT: 6.84 min Scan# 550

Delta R.T. -0.03 min

Lab File: VD062946.D

Acq: 27 Jun 2019 21:55

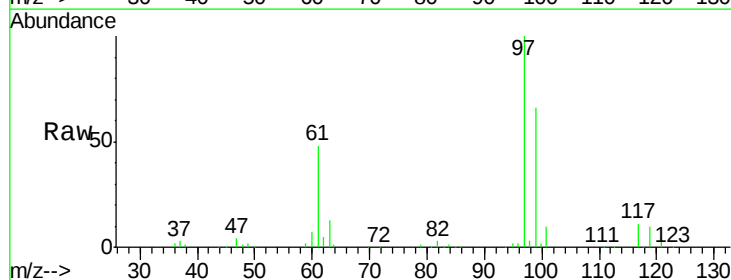
Tgt Ion: 97 Resp: 792286

Ion Ratio Lower Upper

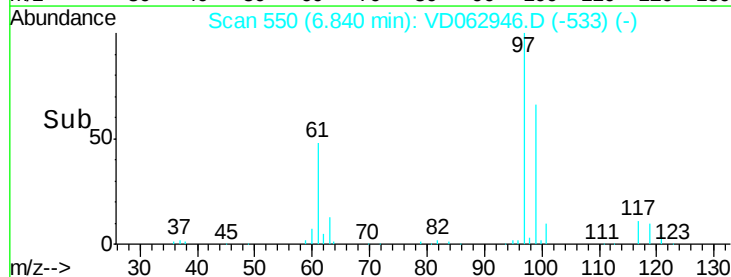
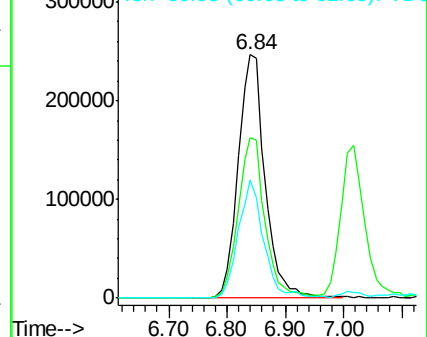
97 100

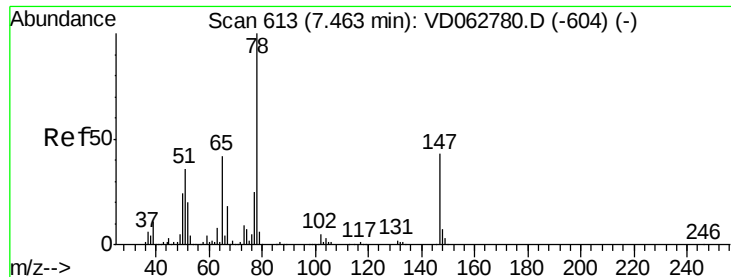
99 66.1 47.4 71.2

61 48.4 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

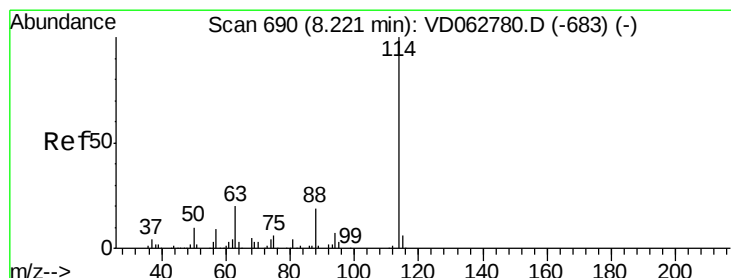
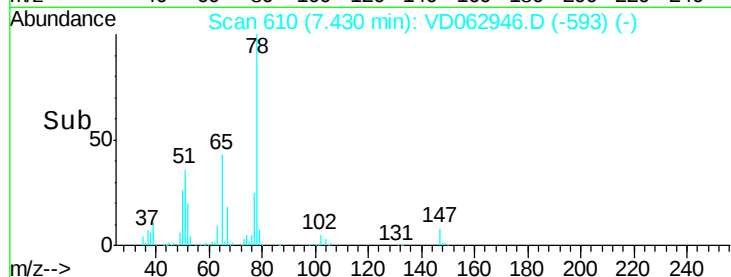
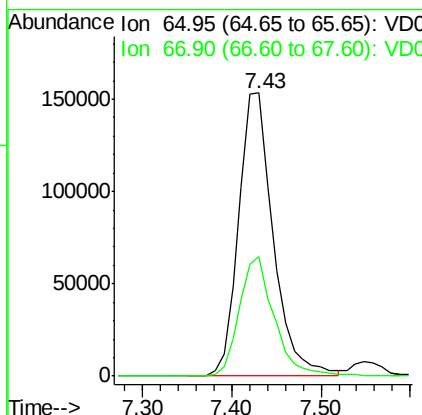
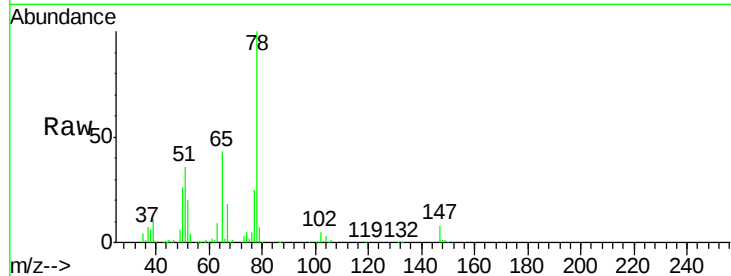




#33
 1,2-Dichloroethane-d4
 Concen: 55.225 ug/l
 RT: 7.43 min Scan# 610
 Delta R.T. -0.03 min
 Lab File: VD062946.D
 Acq: 27 Jun 2019 21:55

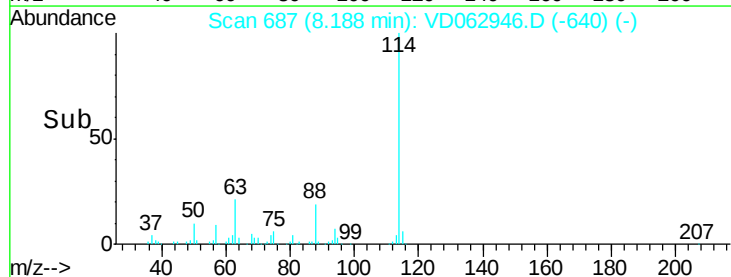
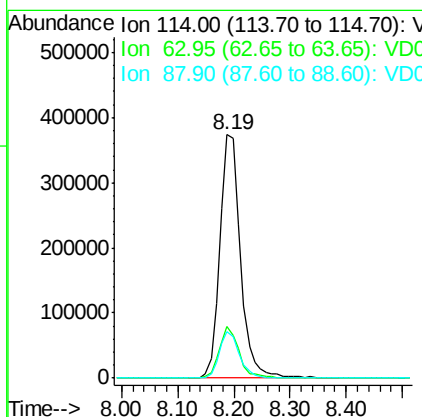
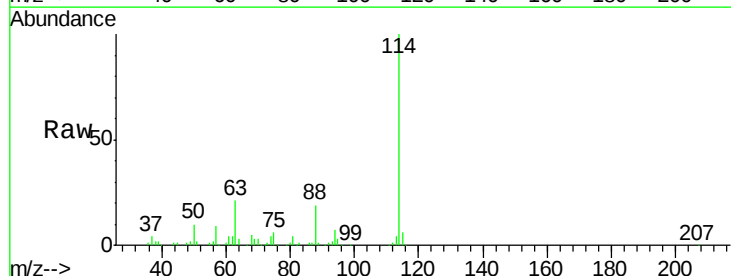
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

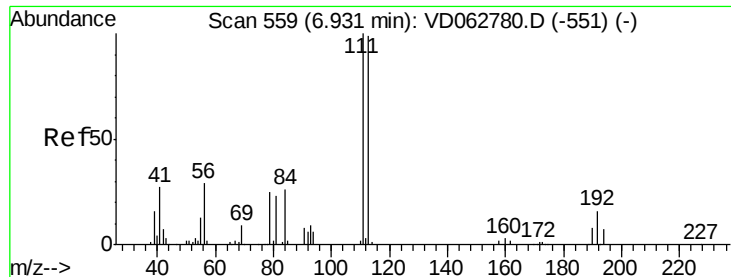
Tot Ion: 65 Resp: 413788
 Ion Ratio Lower Upper
 65 100
 67 42.4 0.0 87.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.19 min Scan# 687
 Delta R.T. -0.03 min
 Lab File: VD062946.D
 Acq: 27 Jun 2019 21:55

Tgt Ion: 114 Resp: 960380
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 40.0
 88 18.9 0.0 38.8





#35

Dibromofluoromethane

Concen: 49.337 ug/l

RT: 6.90 min Scan# 556

Delta R.T. -0.03 min

Lab File: VD062946.D

Acq: 27 Jun 2019 21:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

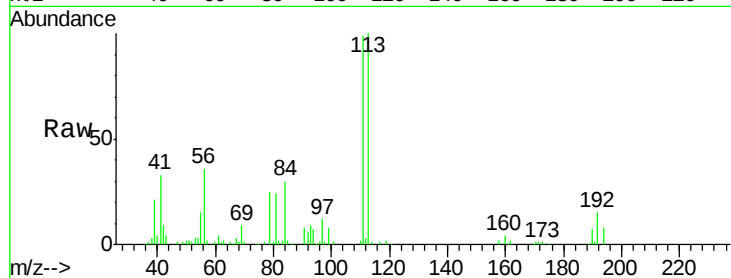
Tot Ion:113 Resp: 399529

Ion Ratio Lower Upper

113 100

111 99.1 81.2 121.8

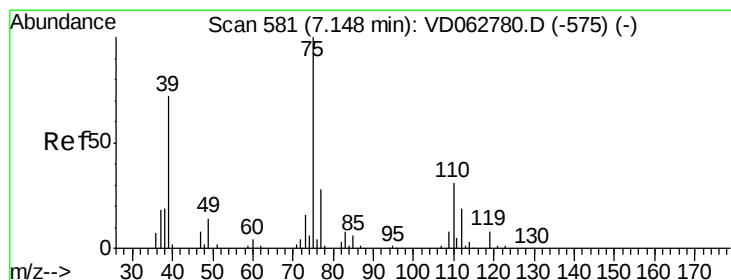
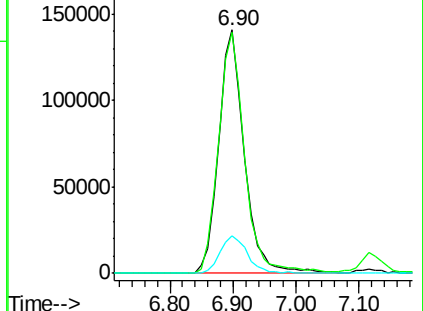
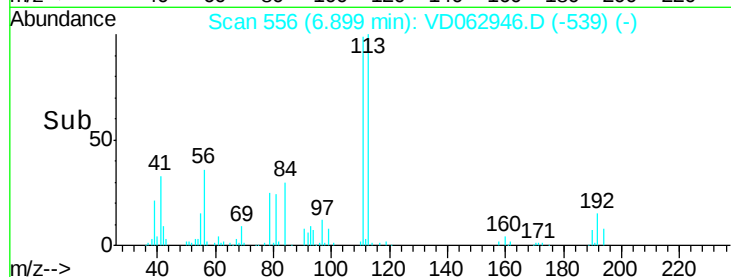
192 15.3 12.9 19.3



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 54.836 ug/l

RT: 7.12 min Scan# 578

Delta R.T. -0.03 min

Lab File: VD062946.D

Acq: 27 Jun 2019 21:55

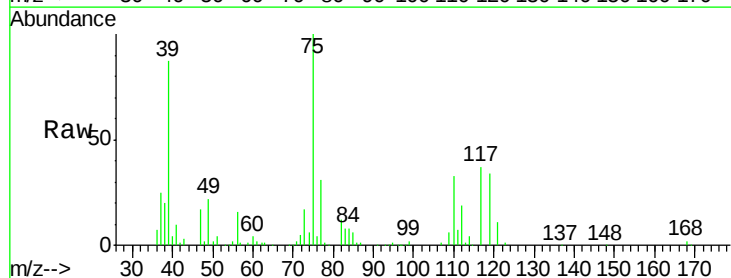
Tgt Ion: 75 Resp: 498529

Ion Ratio Lower Upper

75 100

110 32.7 15.0 45.1

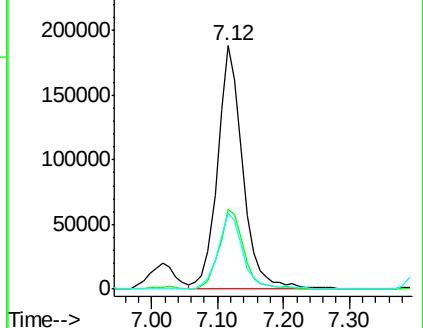
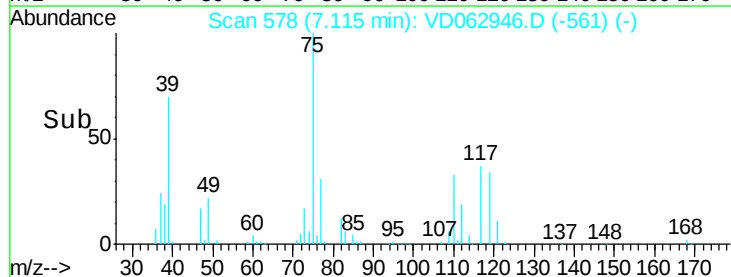
77 31.2 22.2 33.2

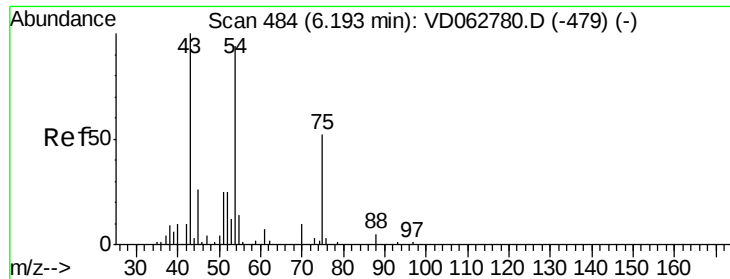


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

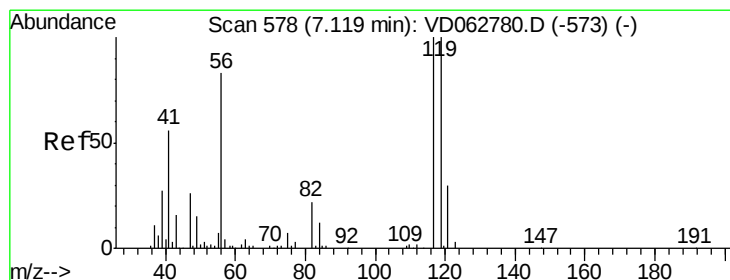
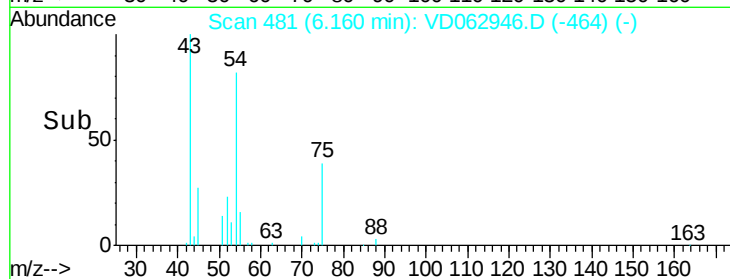
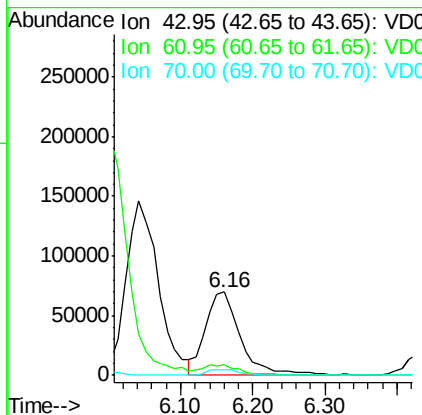
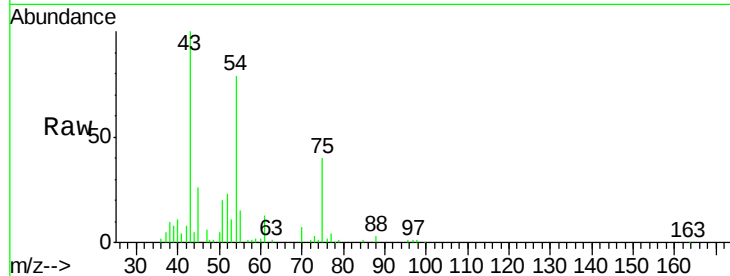




#37
Ethyl Acetate
Concen: 59.138 ug/l
RT: 6.16 min Scan# 481
Delta R.T. -0.03 min
Lab File: VD062946.D
Acq: 27 Jun 2019 21:55

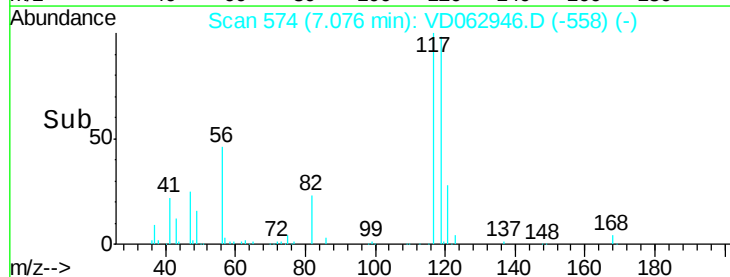
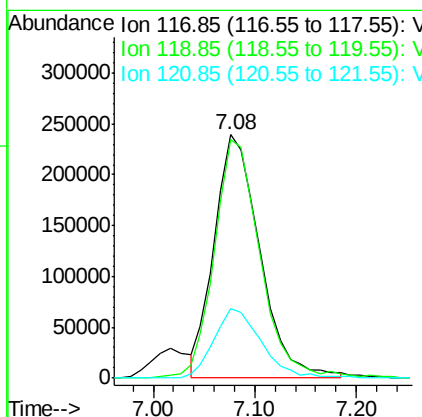
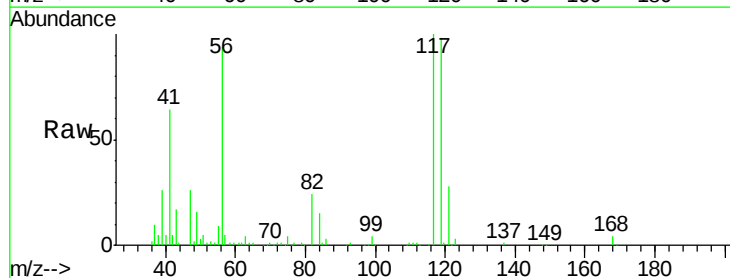
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

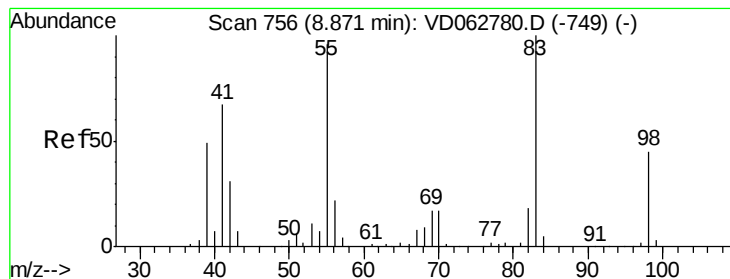
Tot Ion: 43 Resp: 225079
Ion Ratio Lower Upper
43 100
61 13.1 11.6 17.4
70 7.4 6.4 9.6



#38
Carbon Tetrachloride
Concen: 54.996 ug/l m
RT: 7.08 min Scan# 574
Delta R.T. -0.04 min
Lab File: VD062946.D
Acq: 27 Jun 2019 21:55

Tgt Ion: 117 Resp: 751967
Ion Ratio Lower Upper
117 100
119 97.7 75.4 113.2
121 28.3 22.3 33.5





#39

Methvlcvclohexane

Concen: 49.445 ug/l

RT: 8.84 min Scan# 753

Delta R.T. -0.03 min

Lab File: VD062946.D

Acq: 27 Jun 2019 21:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

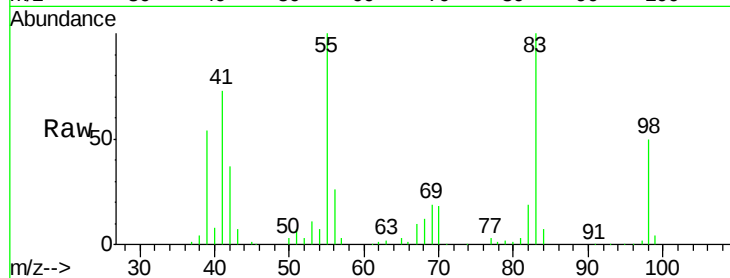
Tot Ion: 83 Resp: 395684

Ion Ratio Lower Upper

83 100

55 99.7 76.6 115.0

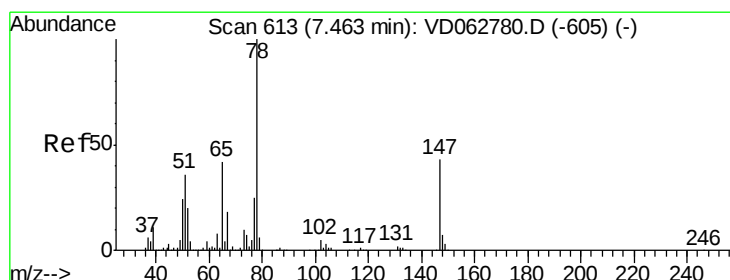
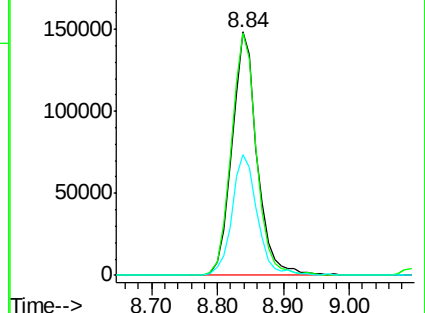
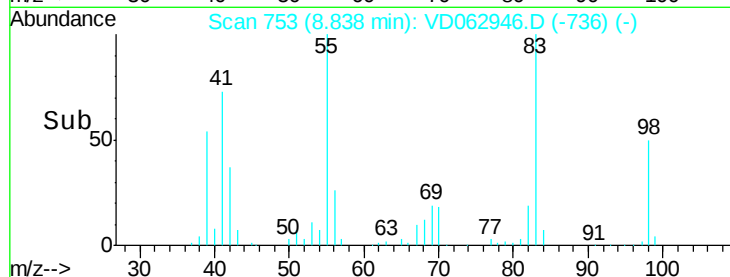
98 49.8 35.7 53.5



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 55.746 ug/l

RT: 7.43 min Scan# 610

Delta R.T. -0.03 min

Lab File: VD062946.D

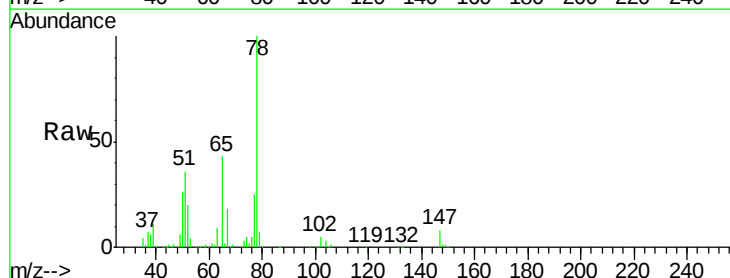
Acq: 27 Jun 2019 21:55

Tgt Ion: 78 Resp: 1017317

Ion Ratio Lower Upper

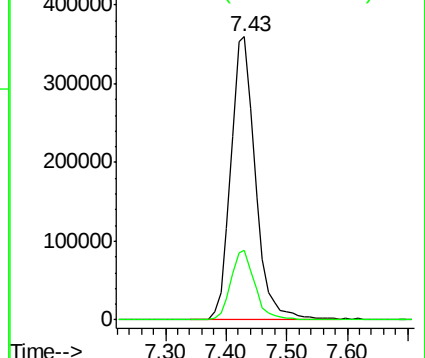
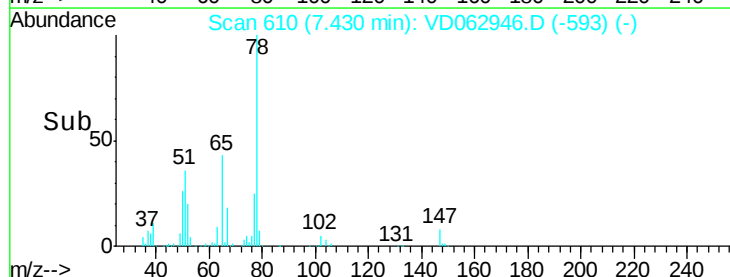
78 100

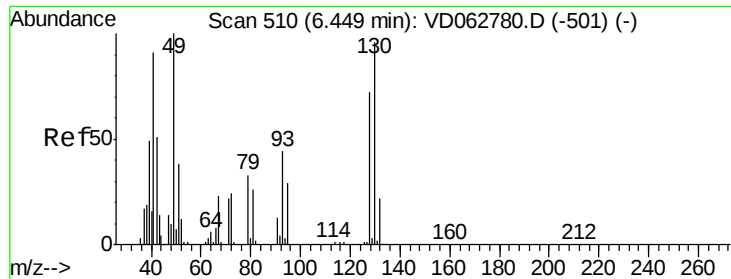
77 24.6 20.2 30.2



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

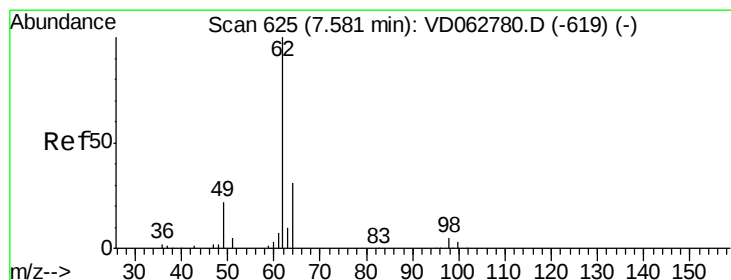
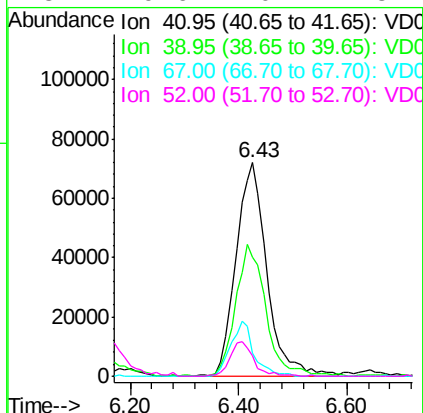
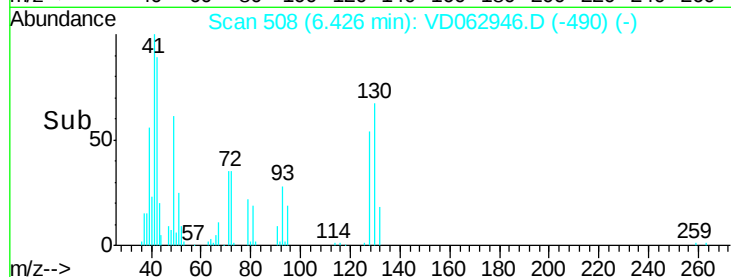
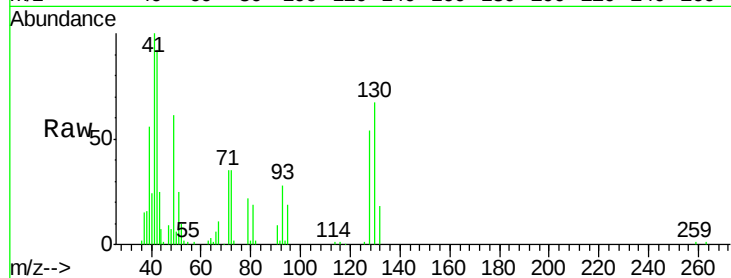




#41
Methacrylonitrile
Concen: 59.250 ug/l
RT: 6.43 min Scan# 508
Delta R.T. -0.02 min
Lab File: VD062946.D
Acq: 27 Jun 2019 21:55

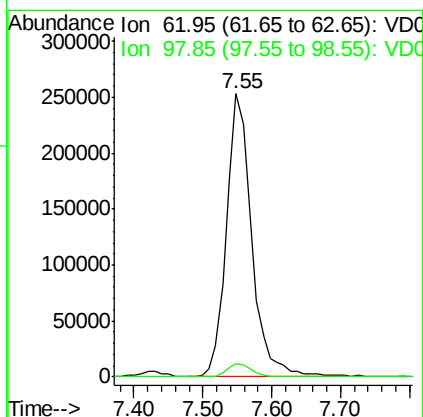
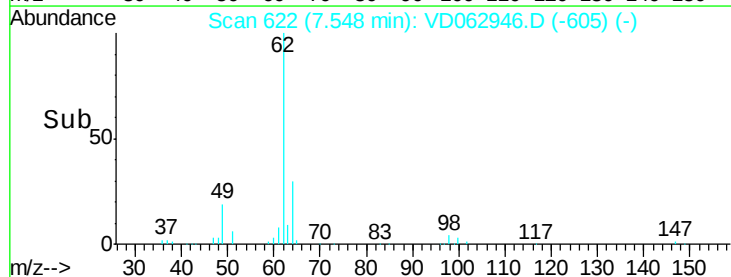
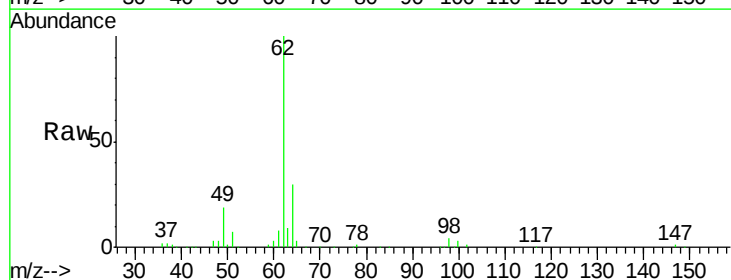
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

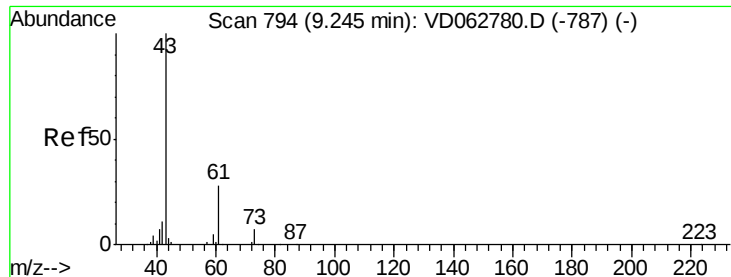
Tot Ion: 41 Resp: 284071
Ion Ratio Lower Upper
41 100
39 55.6 43.2 64.8
67 10.9 19.9 29.9#
52 9.6 10.2 15.4#



#42
1,2-Dichloroethane
Concen: 64.609 ug/l
RT: 7.55 min Scan# 622
Delta R.T. -0.03 min
Lab File: VD062946.D
Acq: 27 Jun 2019 21:55

Tgt Ion: 62 Resp: 643209
Ion Ratio Lower Upper
62 100
98 4.5 0.0 10.0

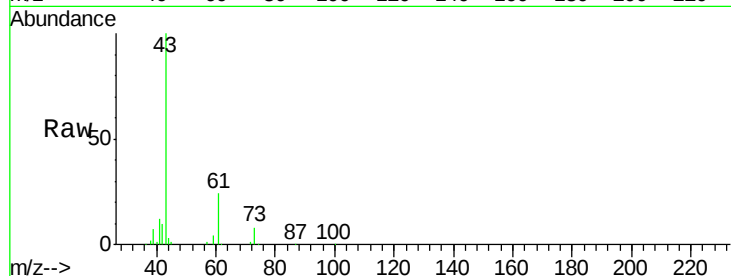




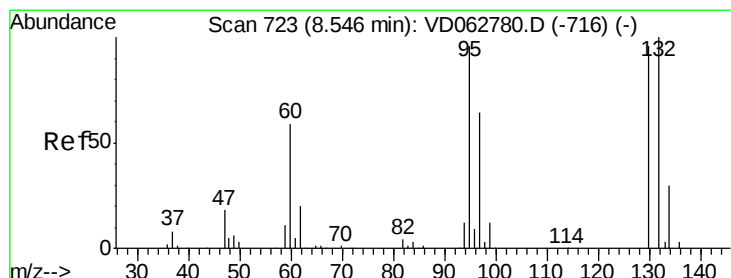
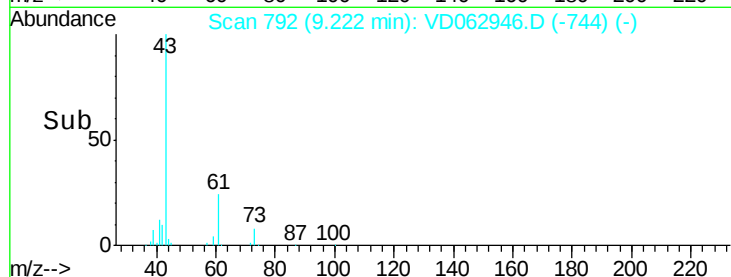
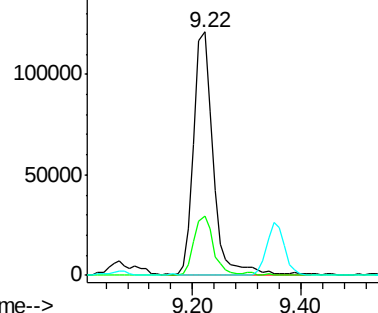
#43
Isopropyl Acetate
Concen: 63.722 ug/l
RT: 9.22 min Scan# 792
Delta R.T. -0.02 min
Lab File: VD062946.D
Acq: 27 Jun 2019 21:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 303717
Ion Ratio Lower Upper
43 100
61 24.3 22.4 33.6
87 0.4 0.3 0.5

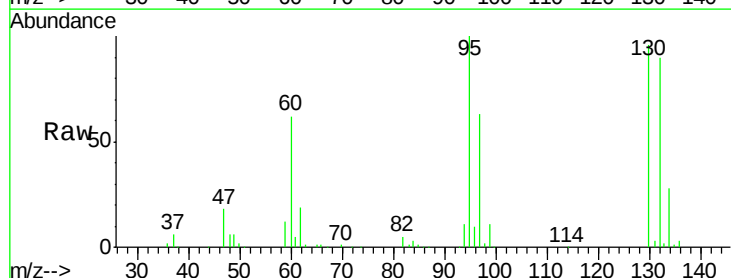


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 87.00 (86.70 to 87.70): VDC

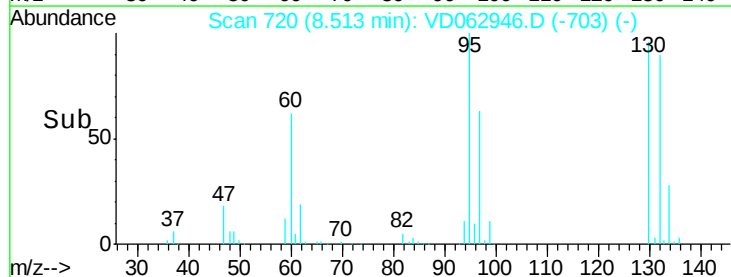
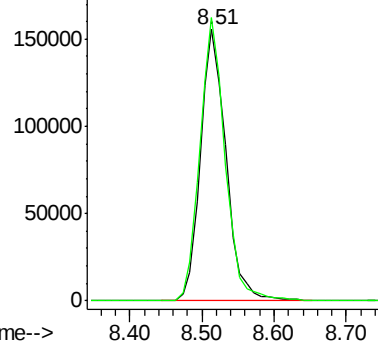


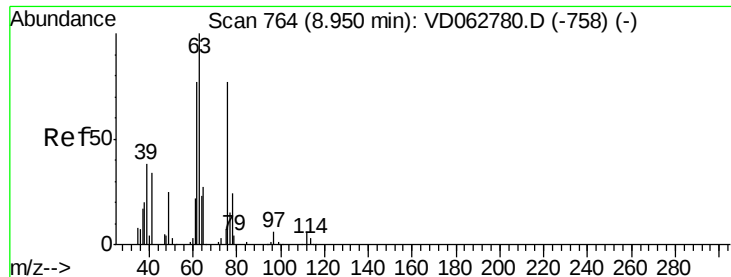
#44
Trichloroethene
Concen: 53.465 ug/l
RT: 8.51 min Scan# 720
Delta R.T. -0.03 min
Lab File: VD062946.D
Acq: 27 Jun 2019 21:55

Tgt Ion: 130 Resp: 382510
Ion Ratio Lower Upper
130 100
95 104.2 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: 53.725 ug/l

RT: 8.92 min Scan# 761

Delta R.T. -0.03 min

Lab File: VD062946.D

Acq: 27 Jun 2019 21:55

Instrument :

MSVOA_D

ClientSampleId :

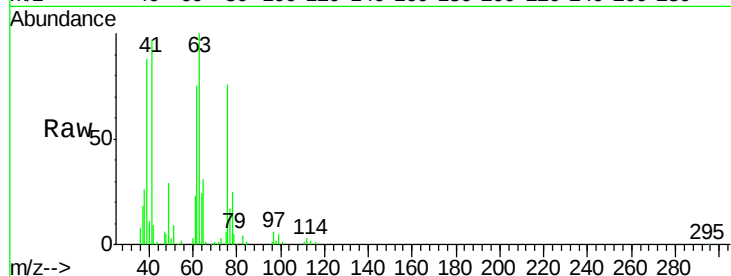
VSTDCCC050EC

Tot Ion: 63 Resp: 243792

Ion Ratio Lower Upper

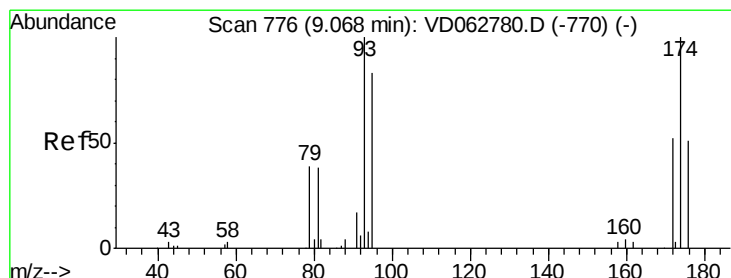
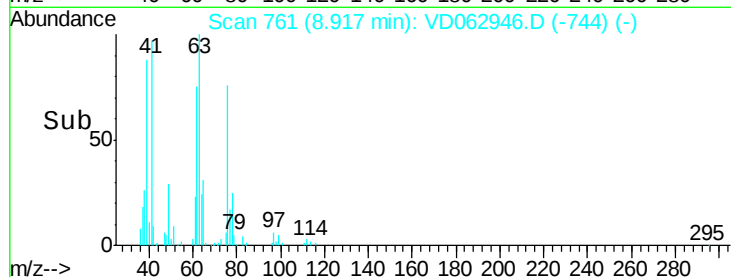
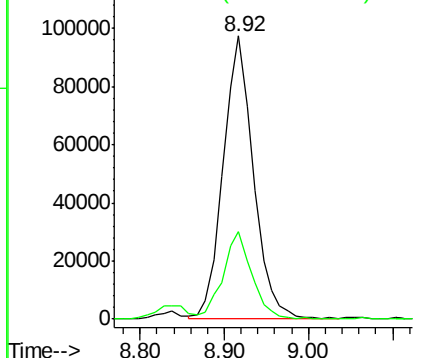
63 100

65 30.8 24.2 36.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 61.762 ug/l

RT: 9.03 min Scan# 773

Delta R.T. -0.03 min

Lab File: VD062946.D

Acq: 27 Jun 2019 21:55

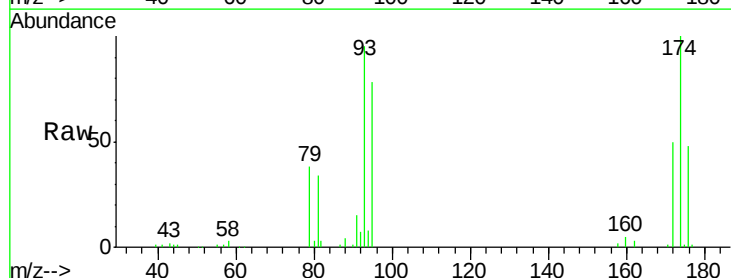
Tgt Ion: 93 Resp: 240749

Ion Ratio Lower Upper

93 100

95 82.2 66.6 100.0

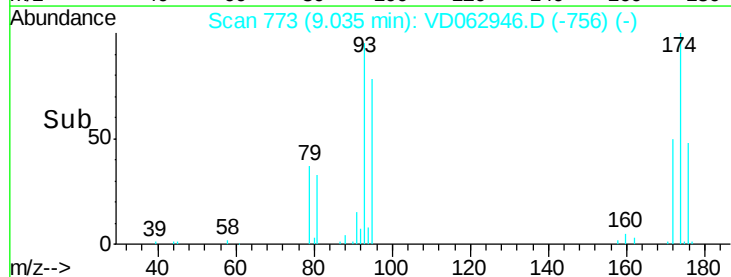
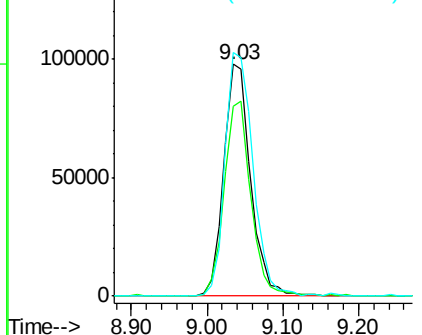
174 105.0 79.7 119.5

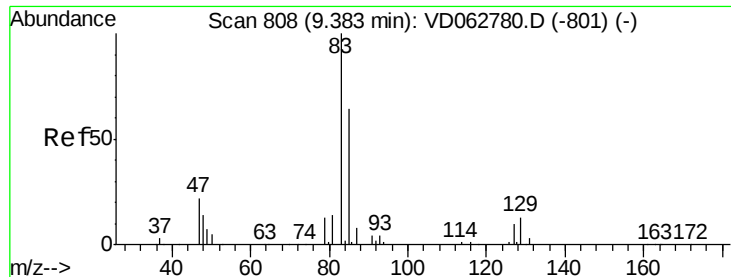


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 62.456 ug/l

RT: 9.35 min Scan# 805

Delta R.T. -0.03 min

Lab File: VD062946.D

Acq: 27 Jun 2019 21:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

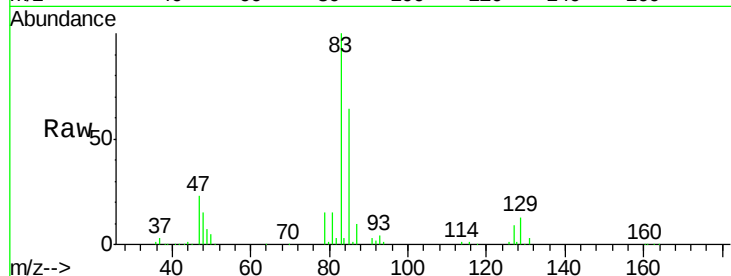
Tot Ion: 83 Resp: 632276

Ion Ratio Lower Upper

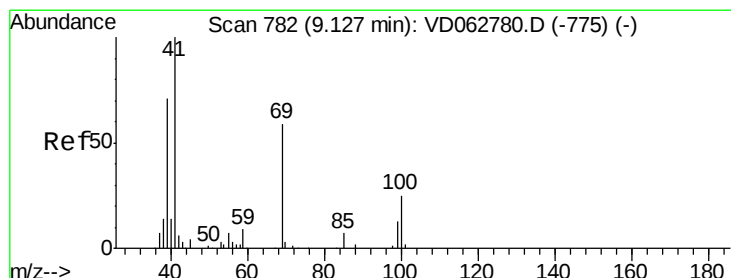
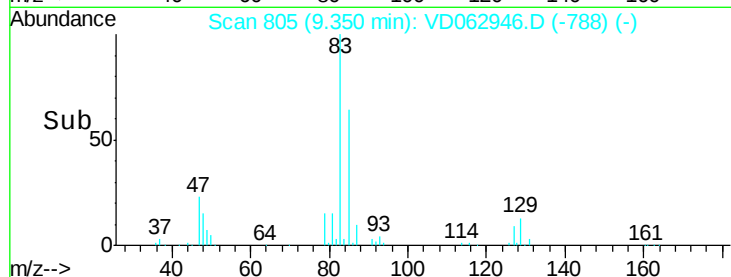
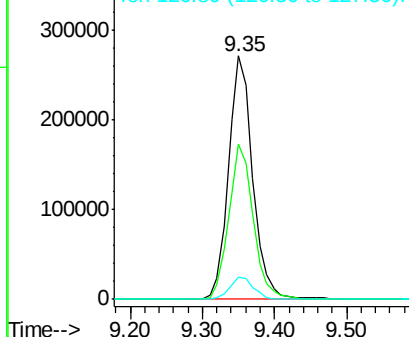
83 100

85 64.0 51.6 77.4

127 9.2 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: 60.746 ug/l

RT: 9.10 min Scan# 780

Delta R.T. -0.02 min

Lab File: VD062946.D

Acq: 27 Jun 2019 21:55

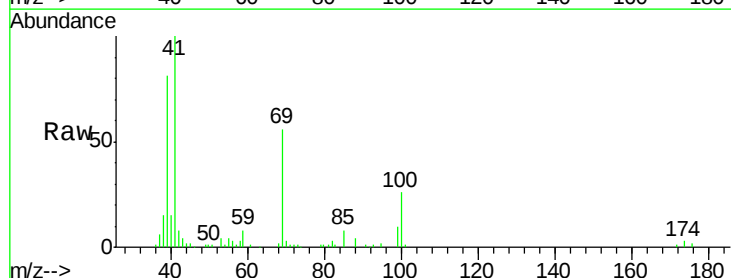
Tgt Ion: 41 Resp: 205751

Ion Ratio Lower Upper

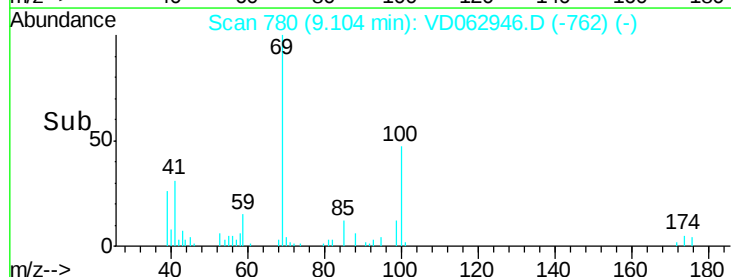
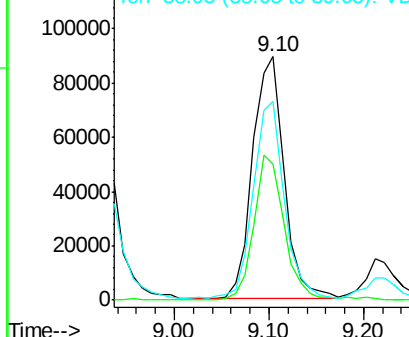
41 100

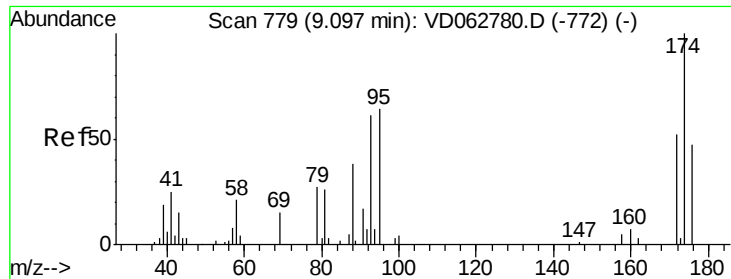
69 56.0 47.2 70.8

39 81.4 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

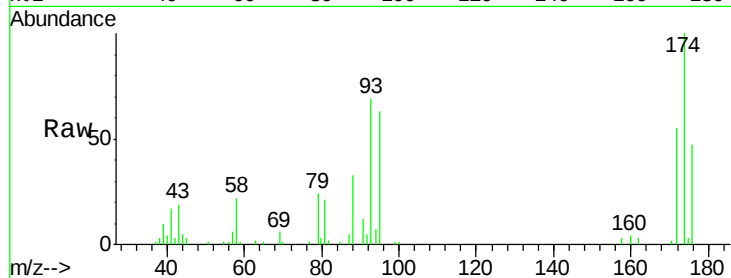




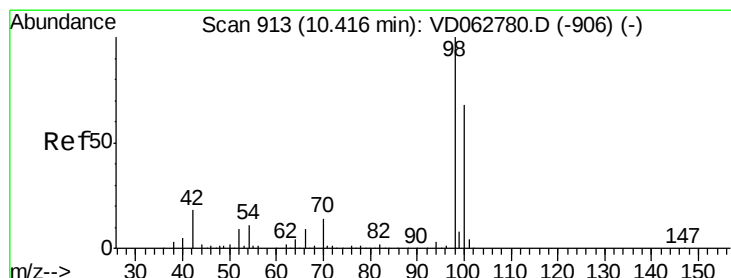
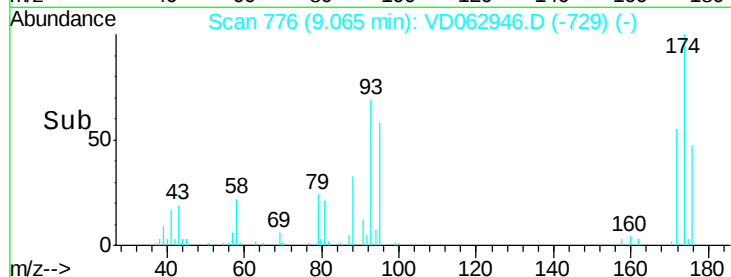
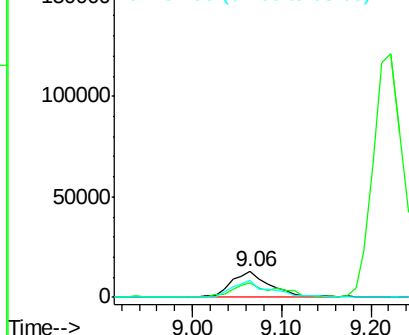
#49
1,4-Dioxane
Concen: 1367.708 ug/l
RT: 9.06 min Scan# 776
Delta R.T. -0.03 min
Lab File: VD062946.D
Acq: 27 Jun 2019 21:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 88 Resp: 38541
Ion Ratio Lower Upper
88 100
43 57.3 32.1 48.1#
58 68.2 44.1 66.1#

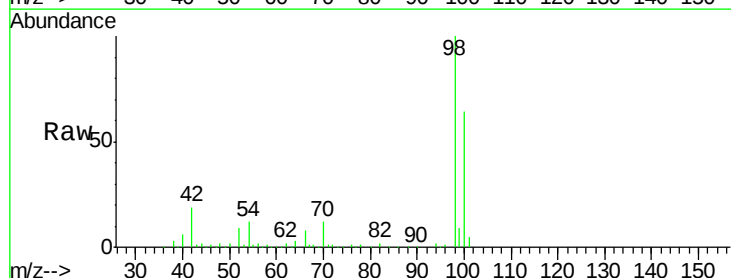


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

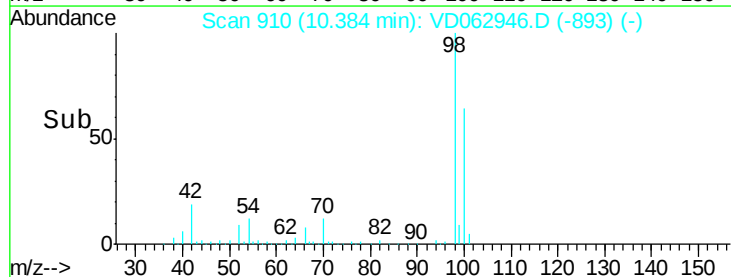
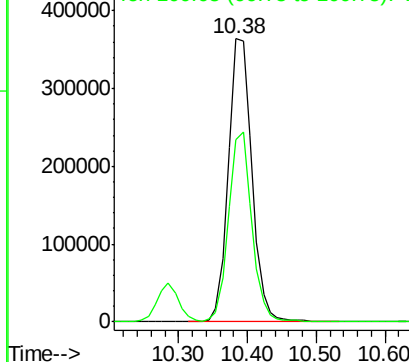


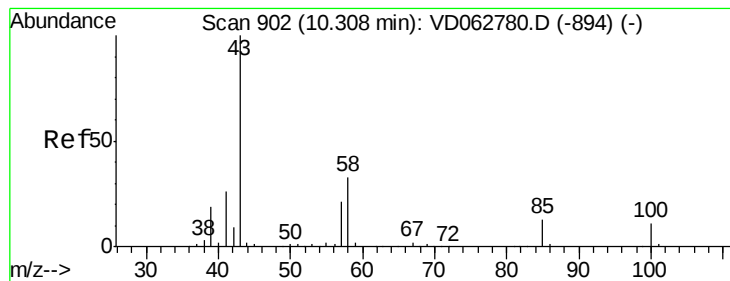
#50
Toluene-d8
Concen: 49.038 ug/l
RT: 10.38 min Scan# 910
Delta R.T. -0.03 min
Lab File: VD062946.D
Acq: 27 Jun 2019 21:55

Tgt Ion: 98 Resp: 864272
Ion Ratio Lower Upper
98 100
100 64.4 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: 318.993 ug/l

RT: 10.29 min Scan# 900

Delta R.T. -0.02 min

Lab File: VD062946.D

Acq: 27 Jun 2019 21:55

Instrument :

MSVOA_D

ClientSampleId :

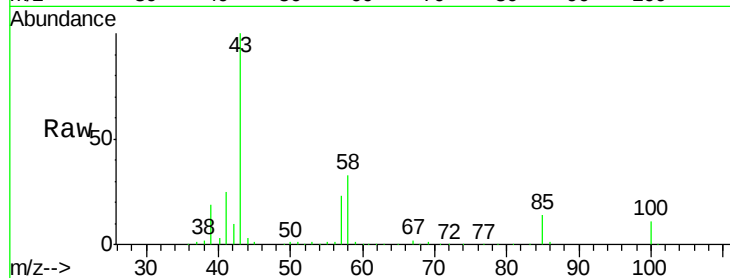
VSTDCCC050EC

Tot Ion: 43 Resp: 1077964

Ion Ratio Lower Upper

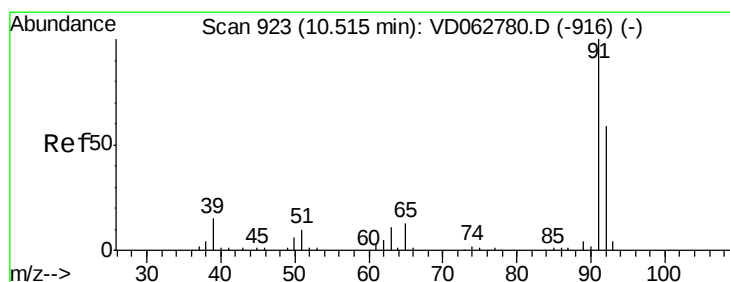
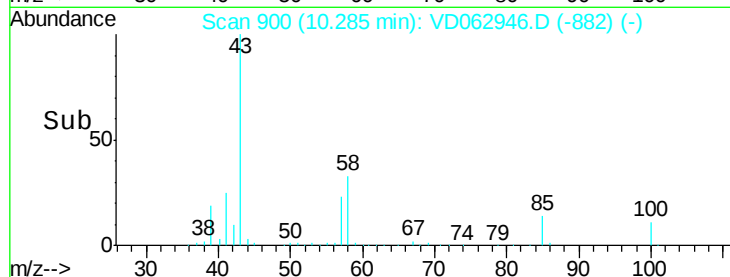
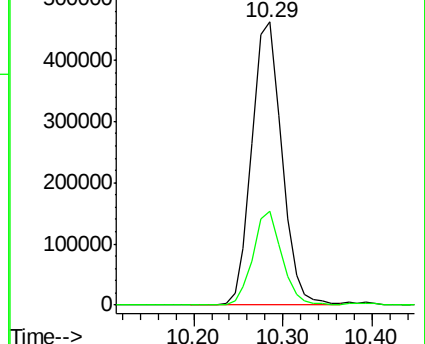
43 100

58 33.0 26.6 40.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 54.289 ug/l

RT: 10.49 min Scan# 921

Delta R.T. -0.02 min

Lab File: VD062946.D

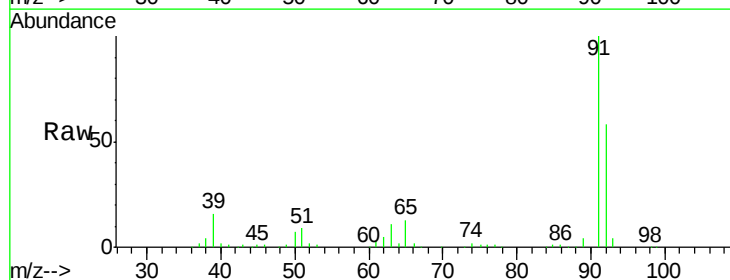
Acq: 27 Jun 2019 21:55

Tgt Ion: 92 Resp: 665970

Ion Ratio Lower Upper

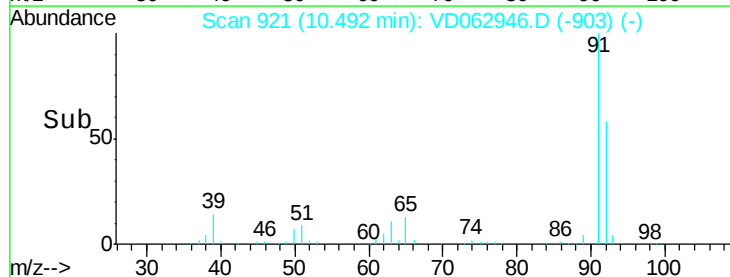
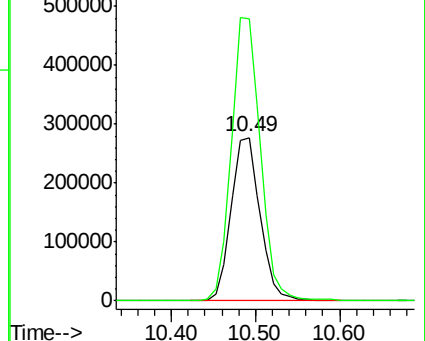
92 100

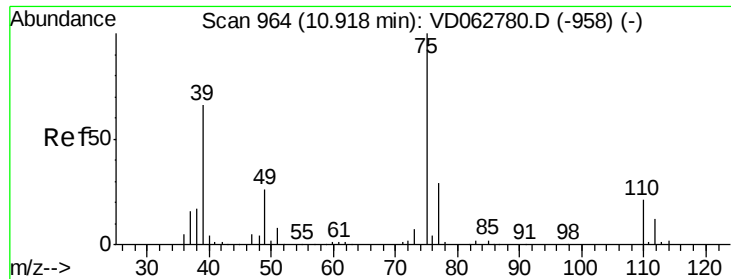
91 172.6 136.3 204.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

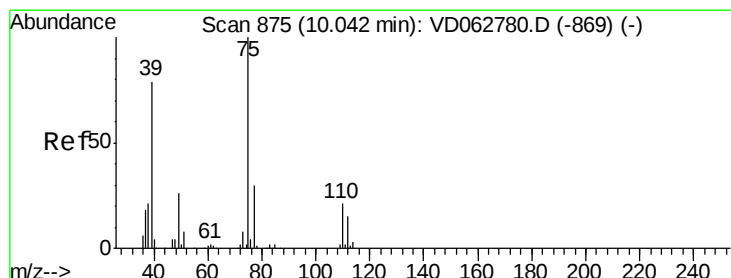
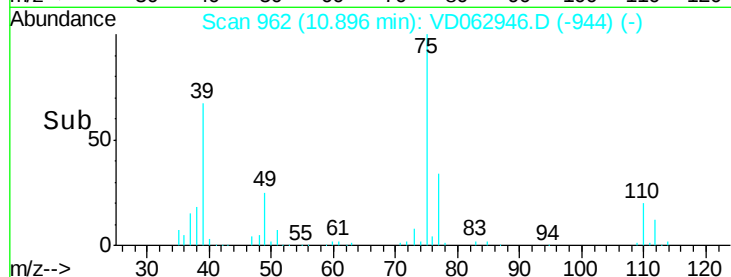
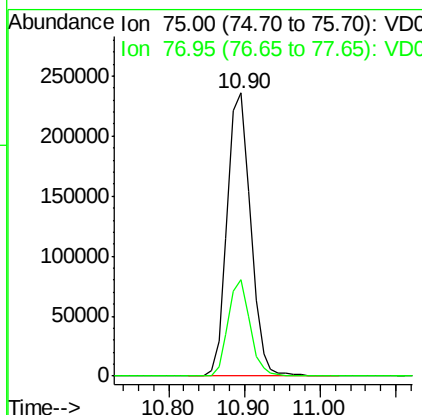
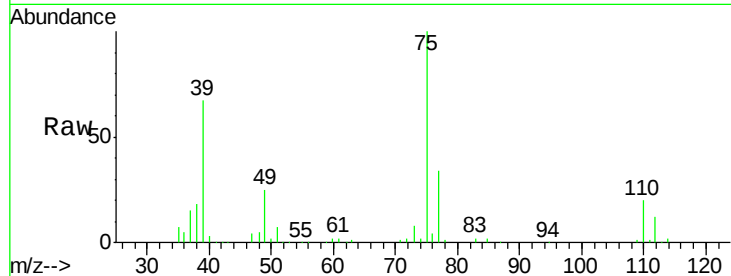




#53
 t-1,3-Dichloropropene
 Concen: 61.151 ug/l
 RT: 10.90 min Scan# 962
 Delta R.T. -0.02 min
 Lab File: VD062946.D
 Acq: 27 Jun 2019 21:55

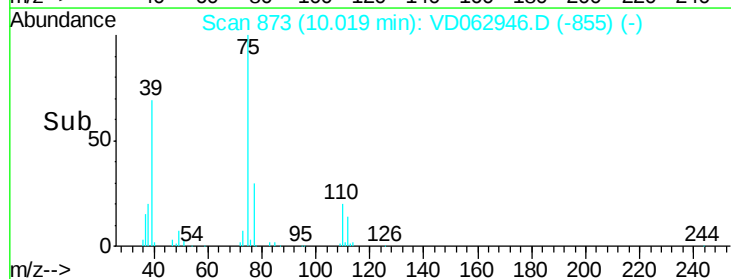
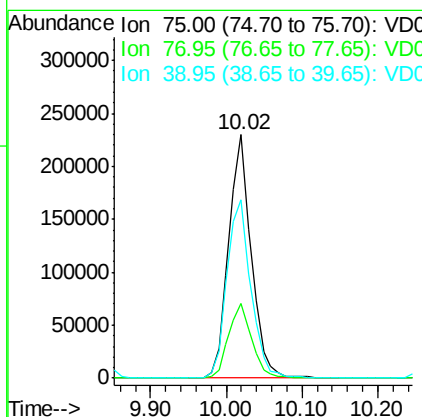
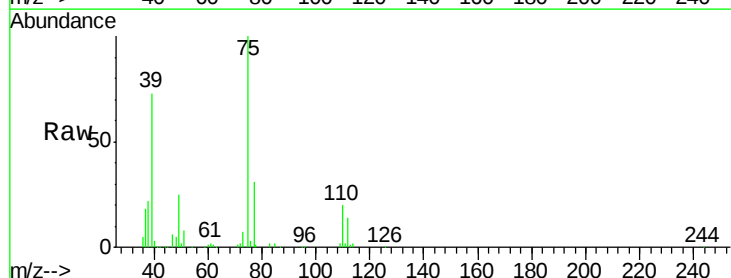
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

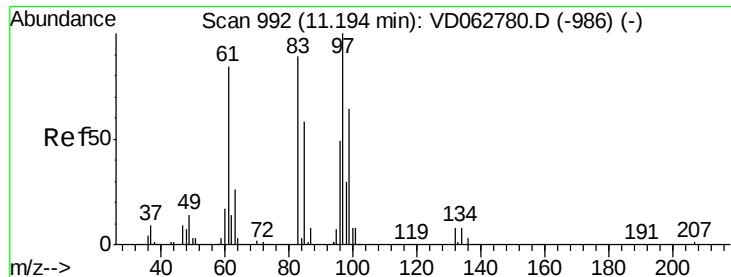
Tot Ion: 75 Resp: 506697
 Ion Ratio Lower Upper
 75 100
 77 34.0 23.2 34.8



#54
 cis-1,3-Dichloropropene
 Concen: 52.618 ug/l
 RT: 10.02 min Scan# 873
 Delta R.T. -0.02 min
 Lab File: VD062946.D
 Acq: 27 Jun 2019 21:55

Tgt Ion: 75 Resp: 473890
 Ion Ratio Lower Upper
 75 100
 77 30.7 24.2 36.2
 39 73.1 63.5 95.3

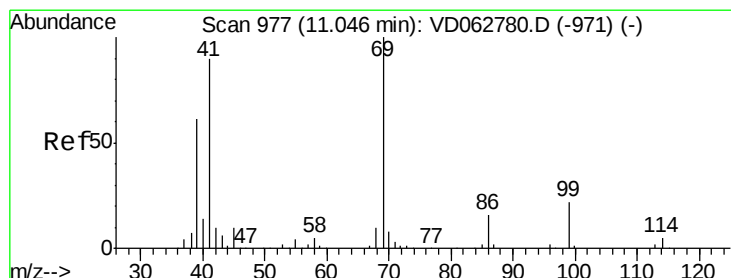
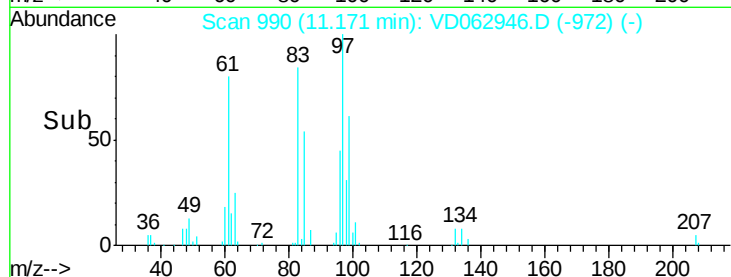
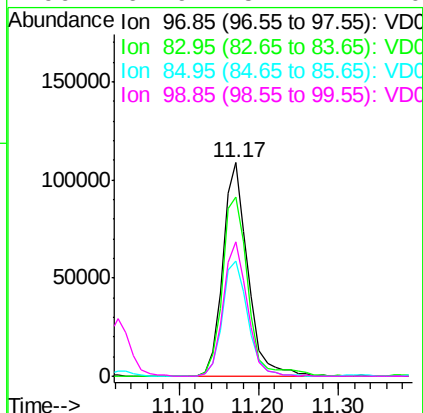
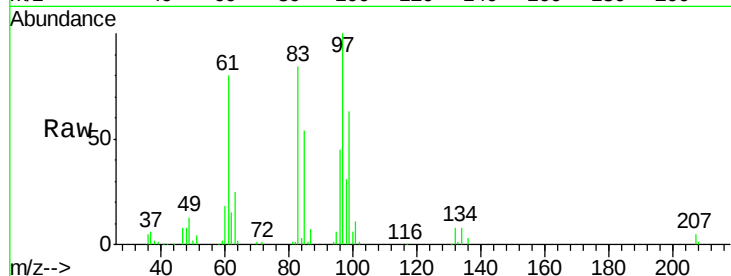




#55
 1,1,2-Trichloroethane
 Concen: 57.119 ug/l
 RT: 11.17 min Scan# 990
 Delta R.T. -0.02 min
 Lab File: VD062946.D
 Acq: 27 Jun 2019 21:55

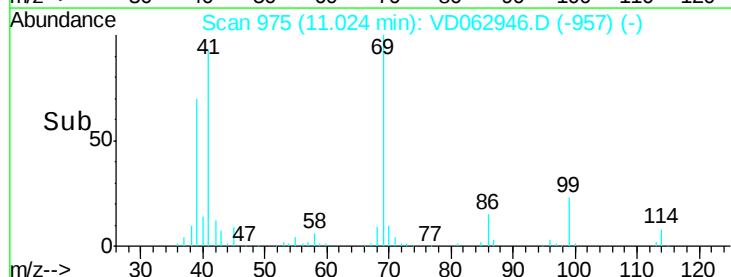
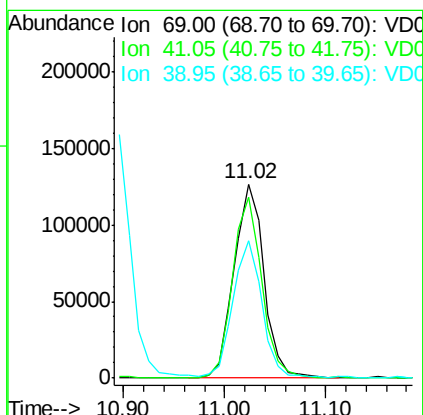
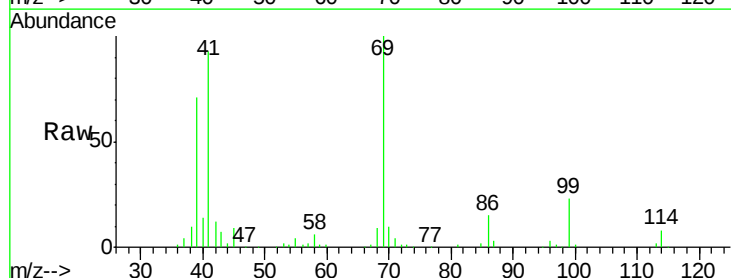
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

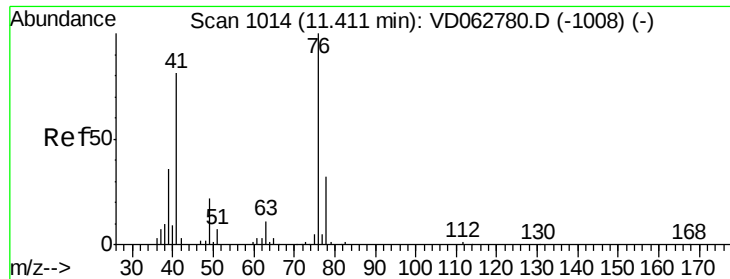
Tot Ion:	97	Resp:	240731
Ion	Ratio	Lower	Upper
97	100		
83	83.9	71.0	106.4
85	53.7	46.6	69.8
99	62.9	51.4	77.0



#56
 Ethyl methacrylate
 Concen: 58.028 ug/l
 RT: 11.02 min Scan# 975
 Delta R.T. -0.02 min
 Lab File: VD062946.D
 Acq: 27 Jun 2019 21:55

Tgt Ion:	69	Resp:	261357
Ion	Ratio	Lower	Upper
69	100		
41	93.3	72.0	108.0
39	70.6	49.5	74.3





#57

1,3-Dichloropropane

Concen: 61.393 ug/l

RT: 11.39 min Scan# 1012

Delta R.T. -0.02 min

Lab File: VD062946.D

Acq: 27 Jun 2019 21:55

Instrument :

MSVOA_D

ClientSampleId :

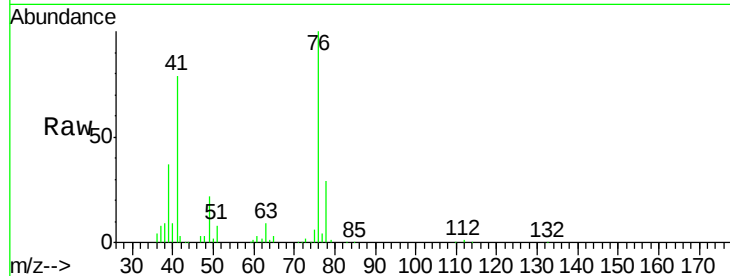
VSTDCCC050EC

Tot Ion: 76 Resp: 396174

Ion Ratio Lower Upper

76 100

78 28.8 25.4 38.0



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

11.39

200000

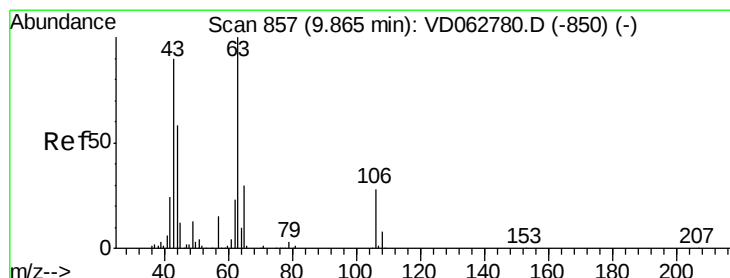
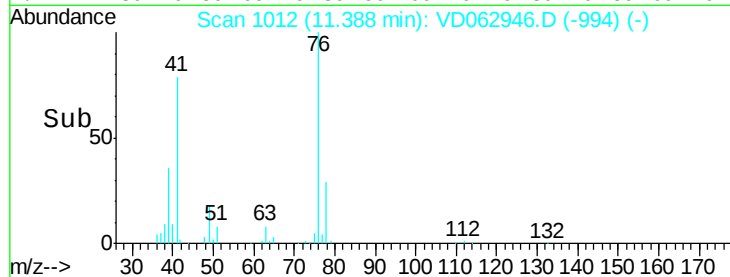
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 305.698 ug/l

RT: 9.83 min Scan# 854

Delta R.T. -0.03 min

Lab File: VD062946.D

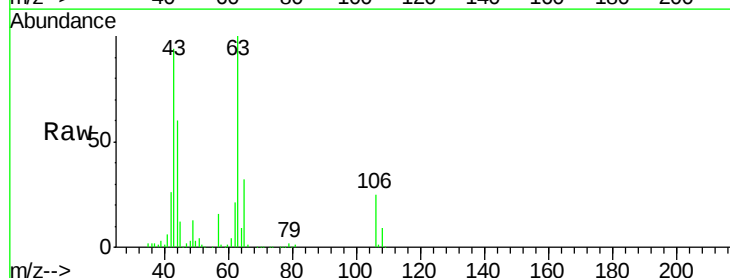
Acq: 27 Jun 2019 21:55

Tgt Ion: 63 Resp: 706861

Ion Ratio Lower Upper

63 100

106 25.1 22.1 33.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

9.83

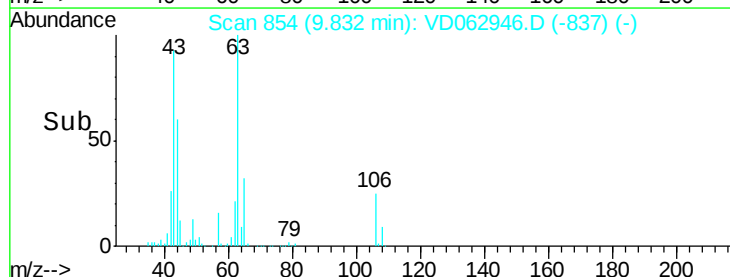
300000

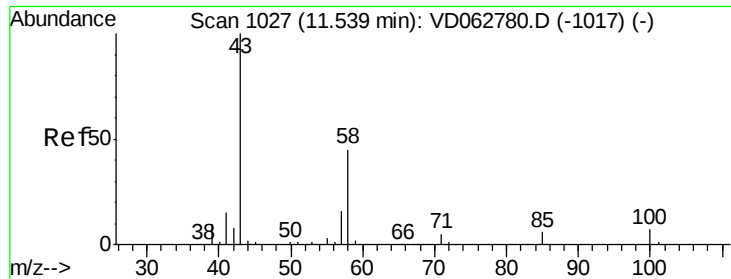
200000

100000

0

Time-->

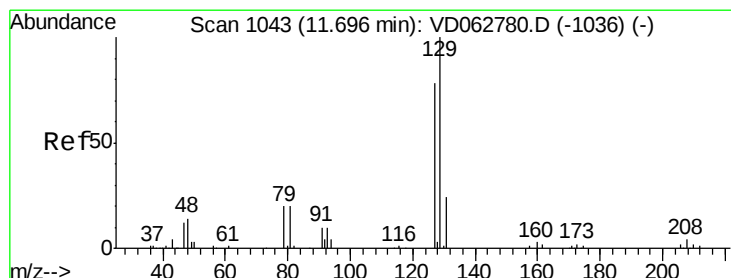
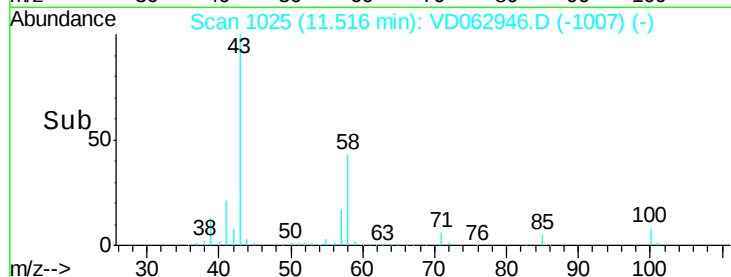
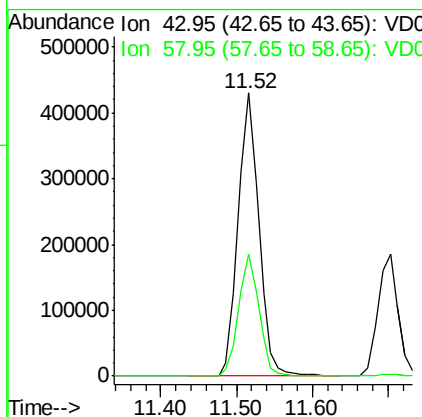
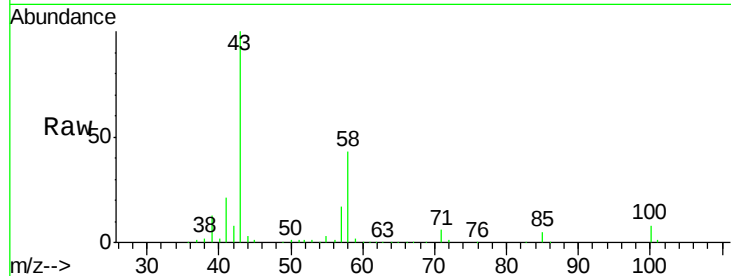




#59
2-Hexanone
Concen: 337.412 ug/l
RT: 11.52 min Scan# 1025
Delta R.T. -0.02 min
Lab File: VD062946.D
Acq: 27 Jun 2019 21:55

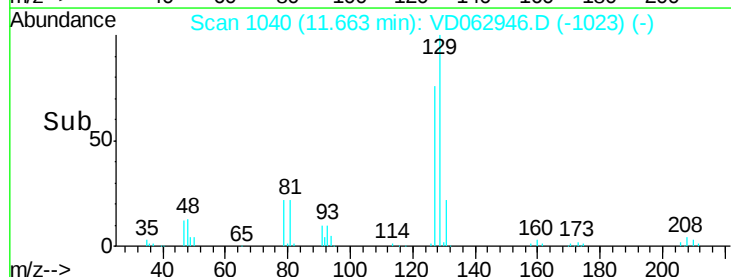
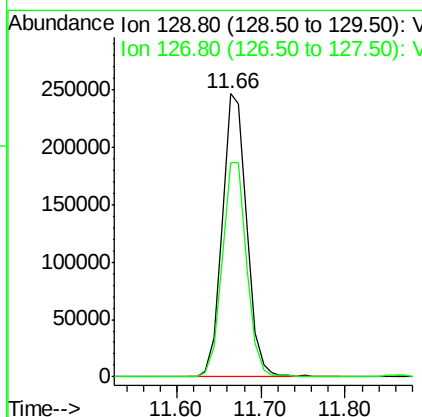
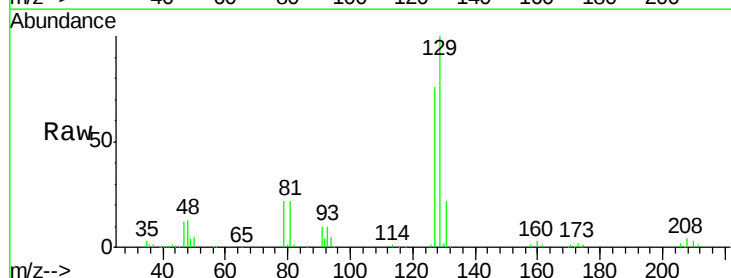
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

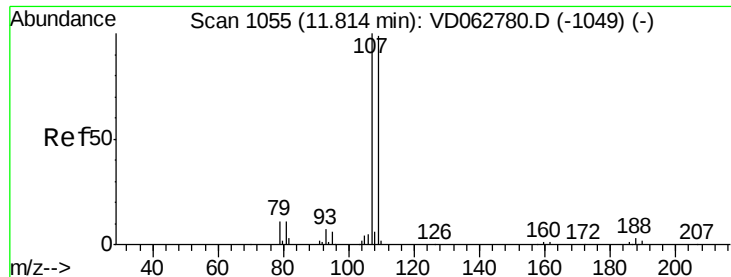
Tot Ion: 43 Resp: 812042
Ion Ratio Lower Upper
43 100
58 43.0 22.4 67.2



#60
Dibromochloromethane
Concen: 62.954 ug/l
RT: 11.66 min Scan# 1040
Delta R.T. -0.03 min
Lab File: VD062946.D
Acq: 27 Jun 2019 21:55

Tgt Ion: 129 Resp: 494194
Ion Ratio Lower Upper
129 100
127 75.6 38.9 116.6





#61

1,2-Dibromoethane

Concen: 62.749 ug/l

RT: 11.79 min Scan# 1053

Delta R.T. -0.02 min

Lab File: VD062946.D

Acq: 27 Jun 2019 21:55

Instrument :

MSVOA_D

ClientSampleId :

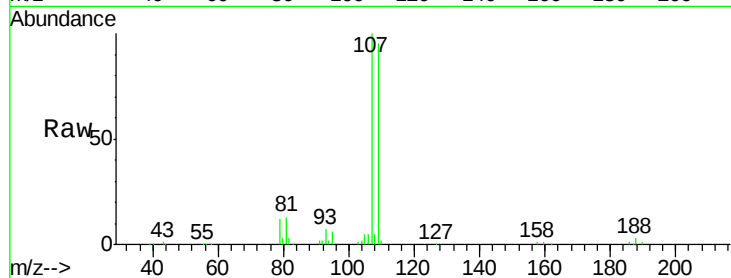
VSTDCCC050EC

Tot Ion:107 Resp: 312338

Ion Ratio Lower Upper

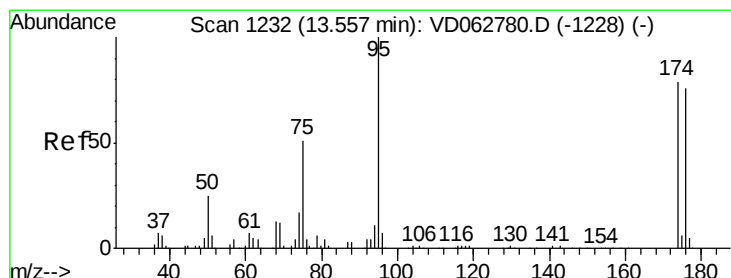
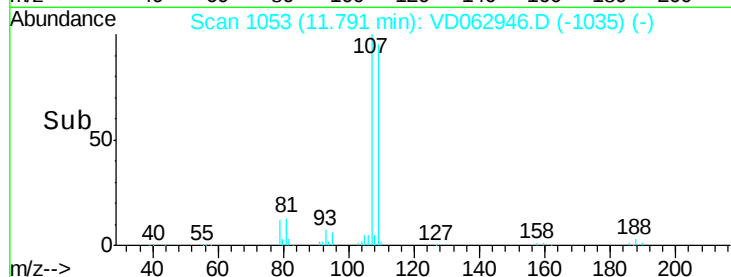
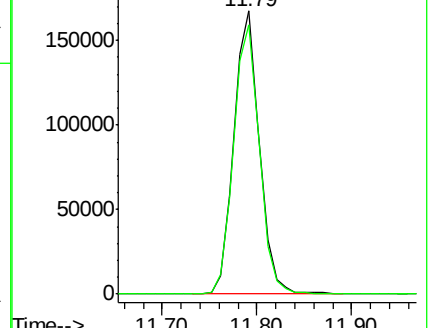
107 100

109 95.3 79.3 118.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 53.139 ug/l

RT: 13.54 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VD062946.D

Acq: 27 Jun 2019 21:55

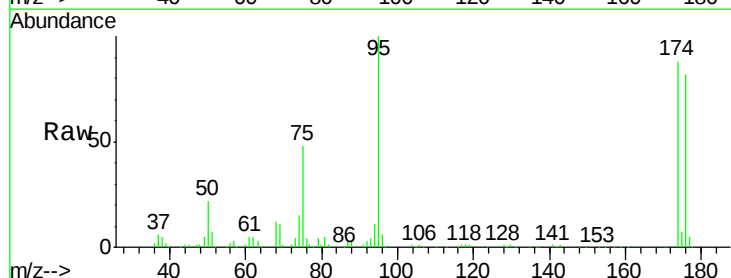
Tgt Ion: 95 Resp: 425858

Ion Ratio Lower Upper

95 100

174 87.7 0.0 158.0

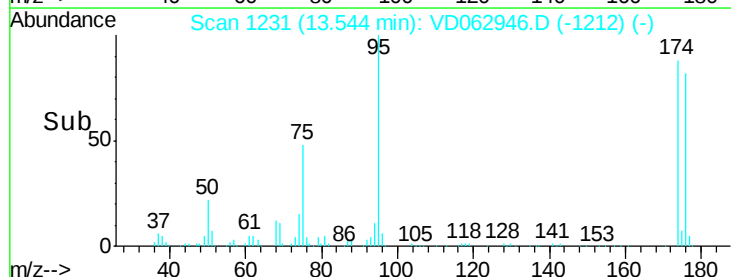
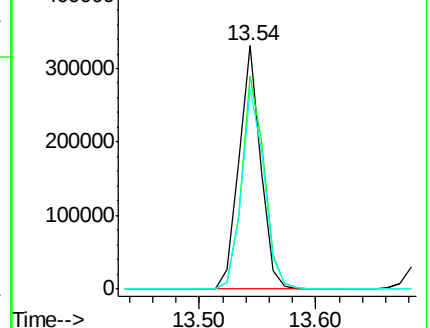
176 82.0 0.0 151.6

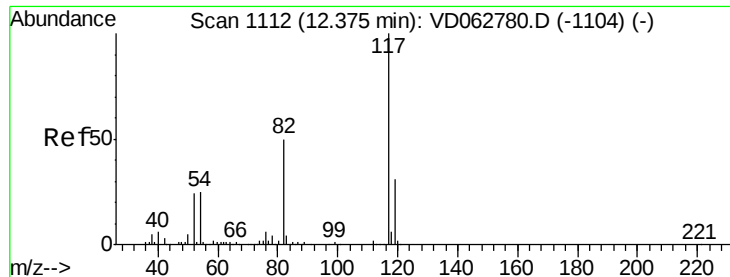


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

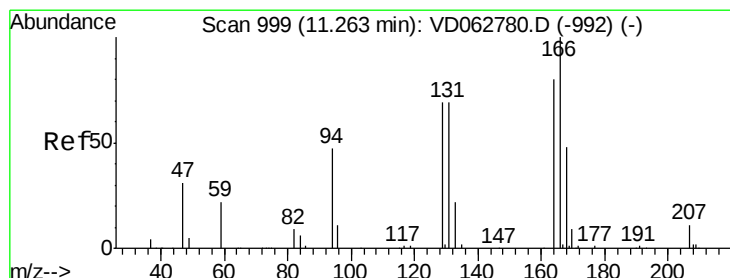
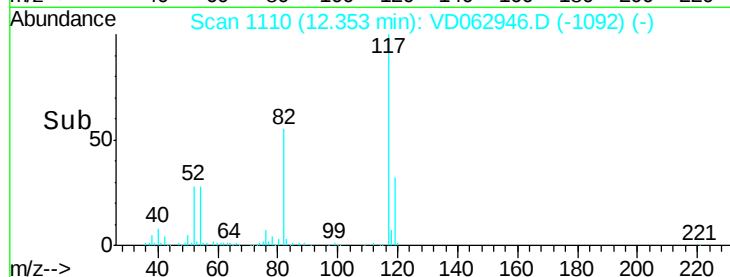
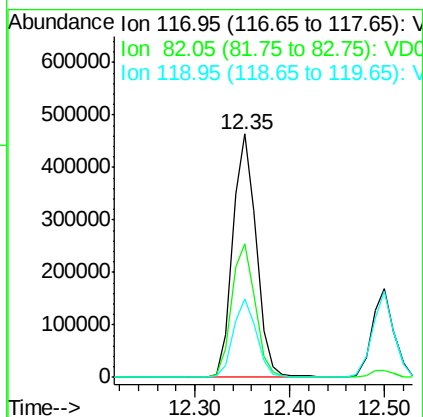
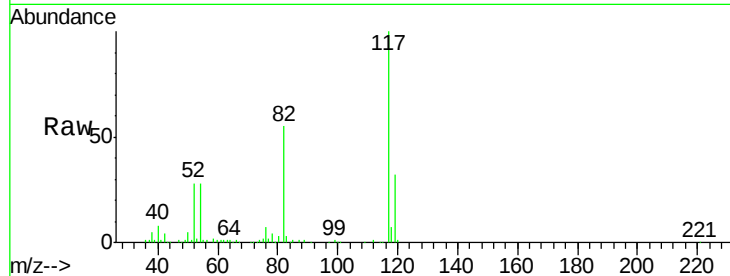




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1110
Delta R.T. -0.02 min
Lab File: VD062946.D
Acq: 27 Jun 2019 21:55

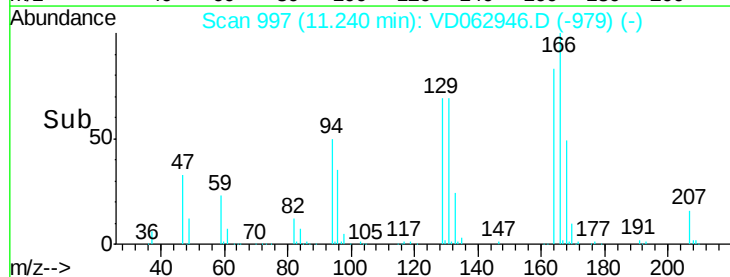
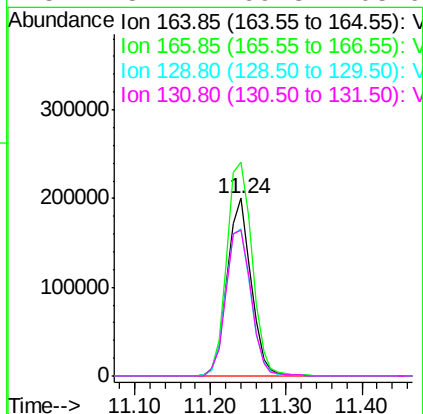
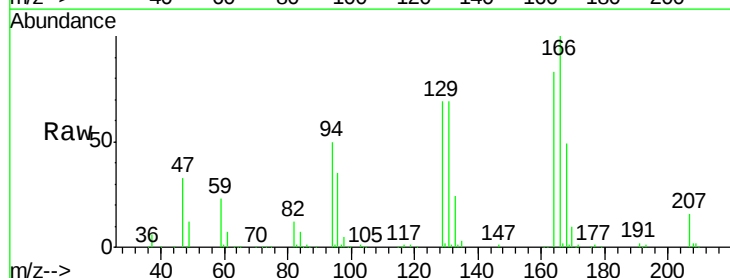
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

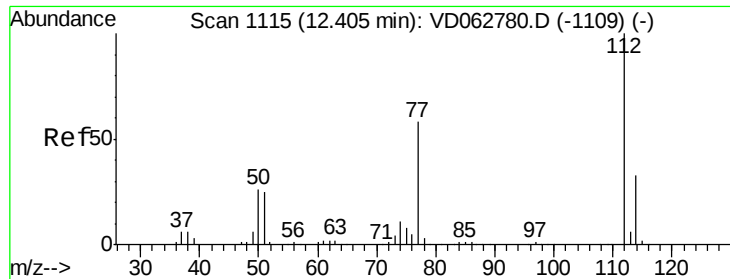
Tot Ion:117 Resp: 792530
Ion Ratio Lower Upper
117 100
82 55.0 40.4 60.6
119 32.4 25.2 37.8



#64
Tetrachloroethene
Concen: 66.612 ug/l
RT: 11.24 min Scan# 997
Delta R.T. -0.02 min
Lab File: VD062946.D
Acq: 27 Jun 2019 21:55

Tgt Ion:164 Resp: 434490
Ion Ratio Lower Upper
164 100
166 120.3 100.6 150.8
129 82.6 69.4 104.0
131 82.4 69.3 103.9

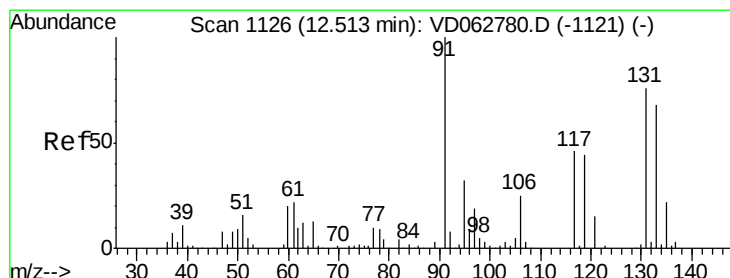
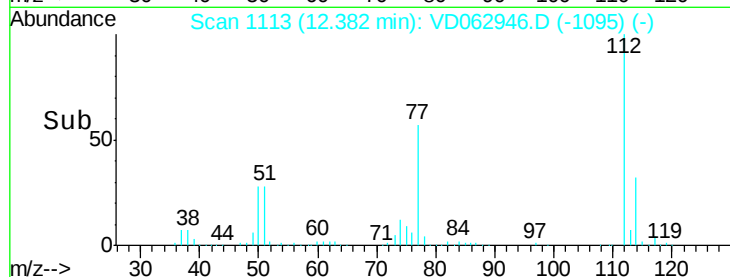
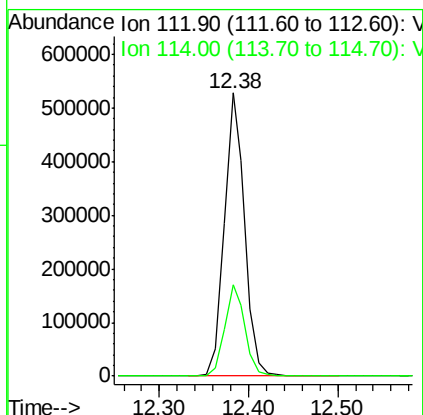
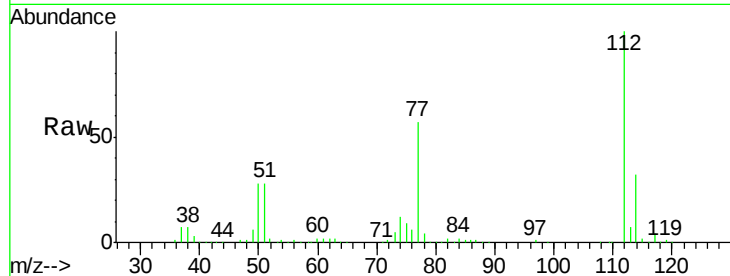




#65
Chlorobenzene
Concen: 57.812 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. -0.02 min
Lab File: VD062946.D
Acq: 27 Jun 2019 21:55

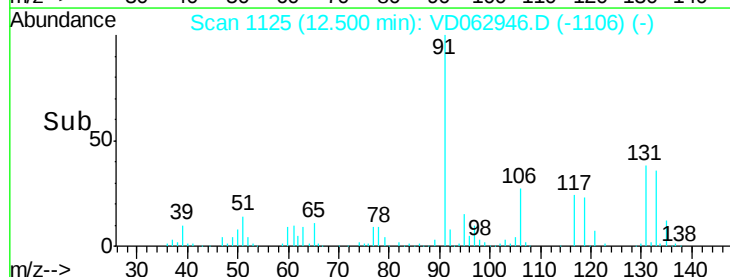
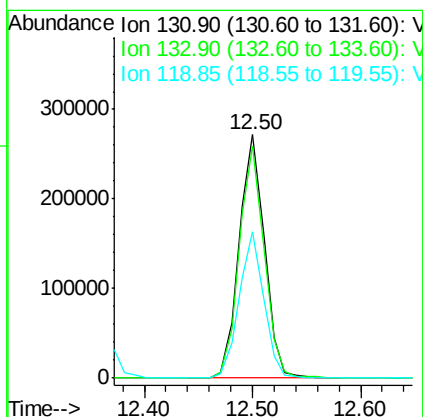
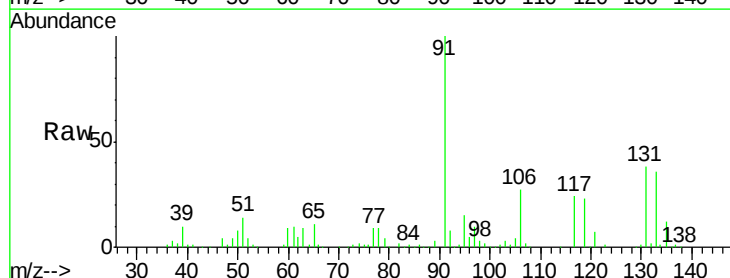
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

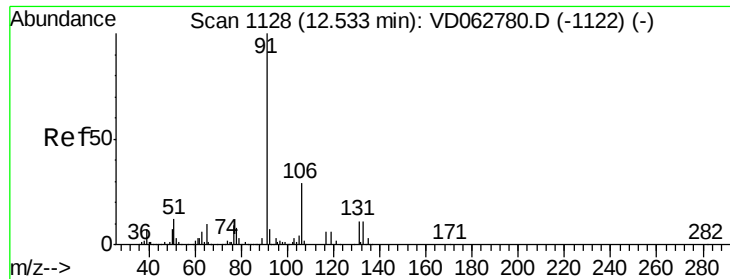
Tot Ion:112 Resp: 850325
Ion Ratio Lower Upper
112 100
114 32.1 26.3 39.5



#66
1,1,1,2-Tetrachloroethane
Concen: 64.308 ug/l
RT: 12.50 min Scan# 1125
Delta R.T. -0.01 min
Lab File: VD062946.D
Acq: 27 Jun 2019 21:55

Tgt Ion:131 Resp: 442348
Ion Ratio Lower Upper
131 100
133 95.5 44.5 133.3
119 60.1 28.6 85.9

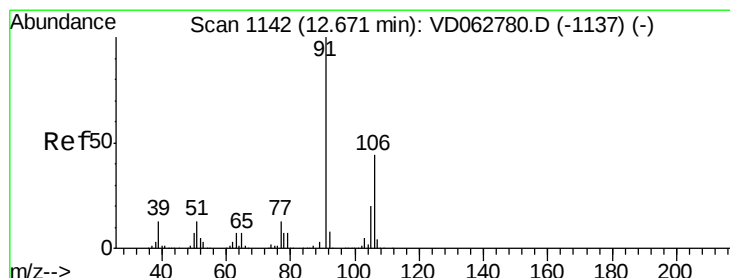
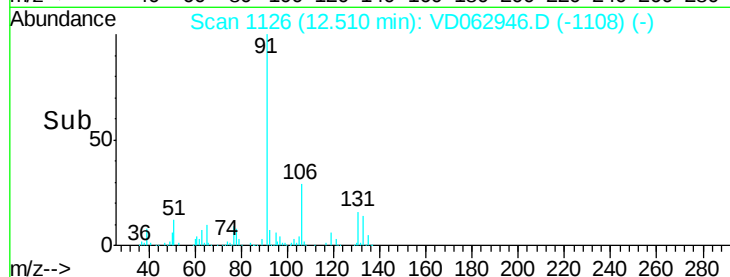
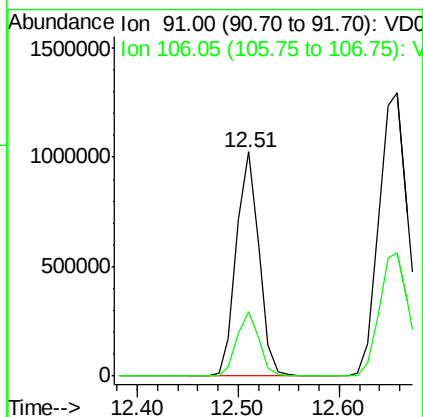
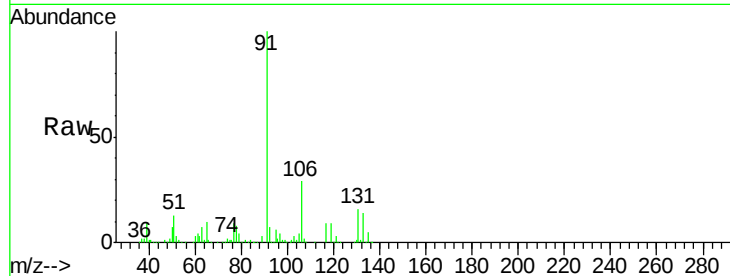




#67
Ethyl Benzene
Concen: 60.564 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.02 min
Lab File: VD062946.D
Acq: 27 Jun 2019 21:55

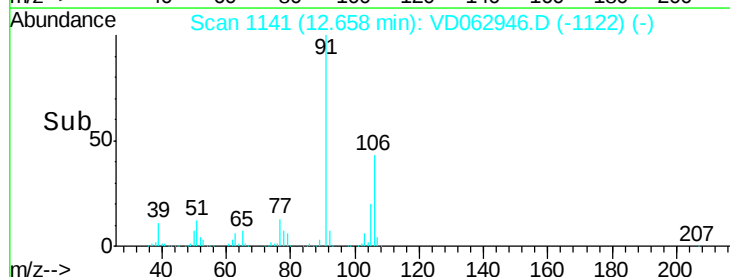
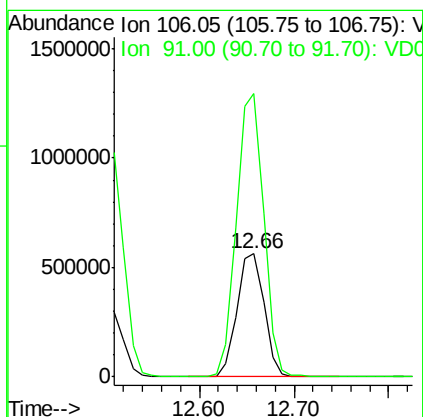
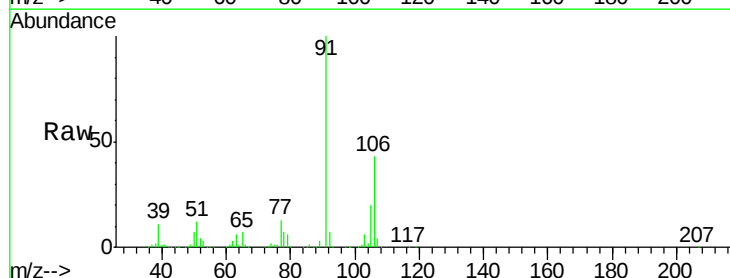
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

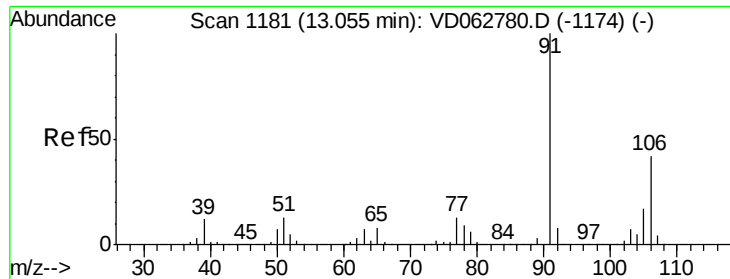
Tot Ion: 91 Resp: 1599335
Ion Ratio Lower Upper
91 100
106 28.8 23.1 34.7



#68
m/p-Xylenes
Concen: 121.545 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. -0.01 min
Lab File: VD062946.D
Acq: 27 Jun 2019 21:55

Tgt Ion: 106 Resp: 1117910
Ion Ratio Lower Upper
106 100
91 230.2 183.0 274.6

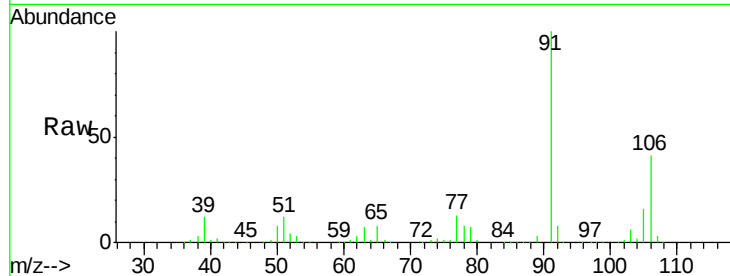




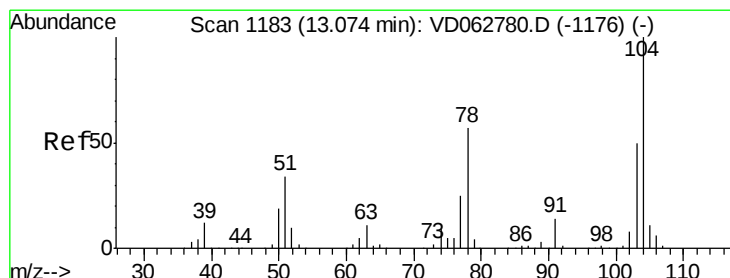
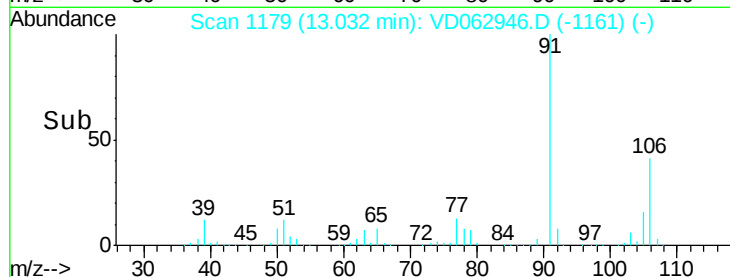
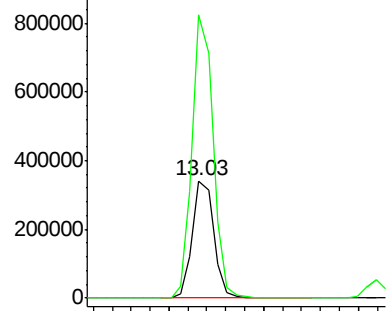
#69
o-Xylene
Concen: 64.082 ug/l
RT: 13.03 min Scan# 1179
Delta R.T. -0.02 min
Lab File: VD062946.D
Acq: 27 Jun 2019 21:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 538793
Ion Ratio Lower Upper
106 100
91 241.7 117.9 353.6

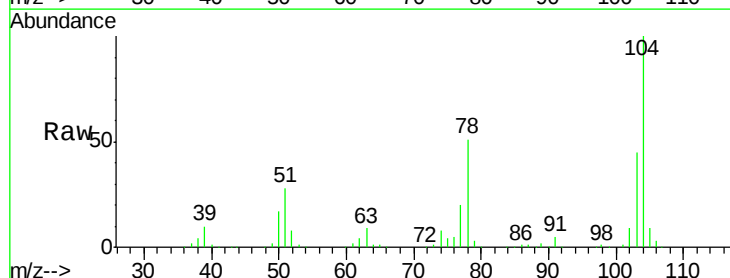


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

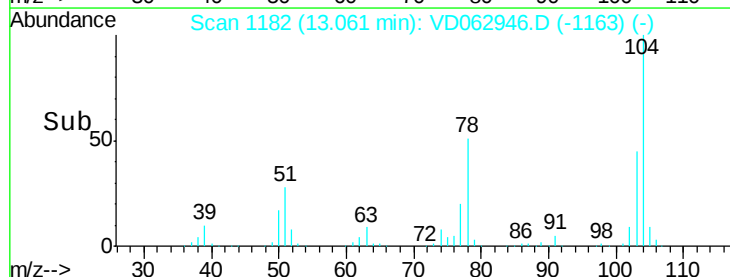
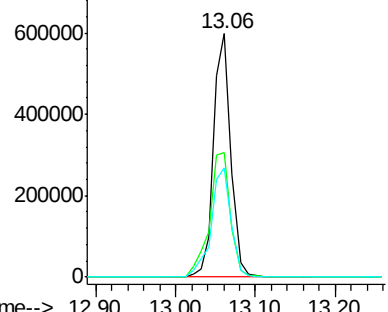


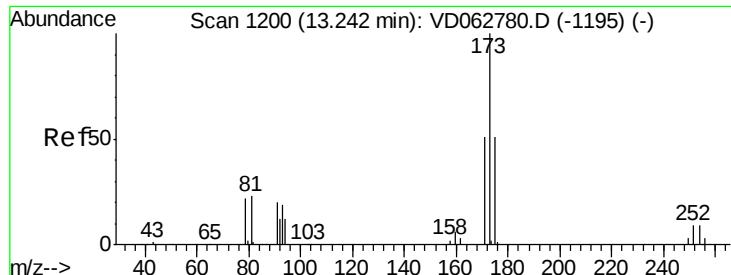
#70
Styrene
Concen: 61.011 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. -0.01 min
Lab File: VD062946.D
Acq: 27 Jun 2019 21:55

Tgt Ion:104 Resp: 901015
Ion Ratio Lower Upper
104 100
78 51.3 45.4 68.2
103 44.9 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: 65.218 ug/l

RT: 13.22 min Scan# 1198

Delta R.T. -0.02 min

Lab File: VD062946.D

Acq: 27 Jun 2019 21:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

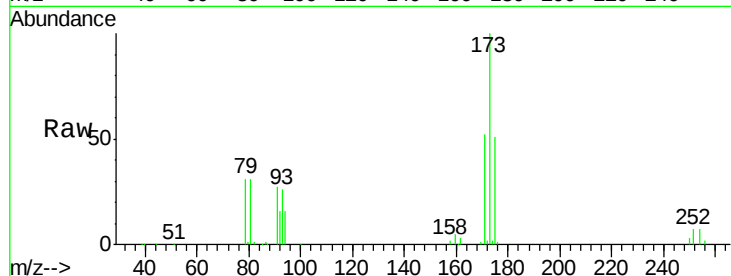
Tot Ion:173 Resp: 307360

Ion Ratio Lower Upper

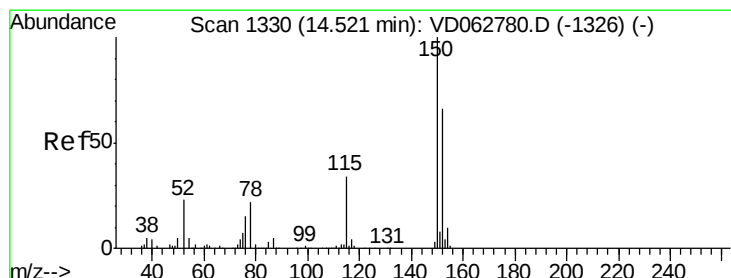
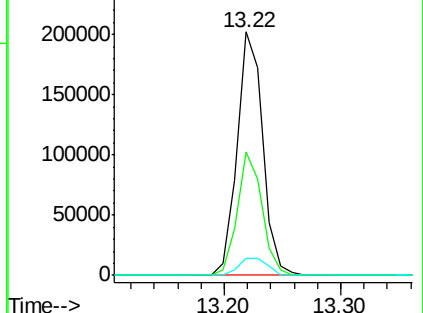
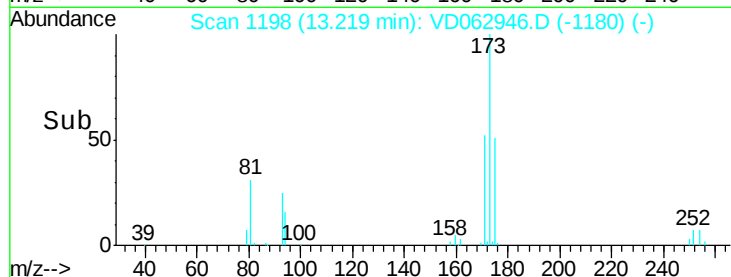
173 100

175 50.5 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: VD062946.D

Acq: 27 Jun 2019 21:55

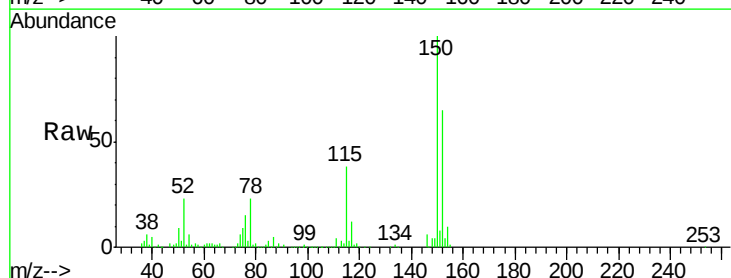
Tgt Ion:152 Resp: 469520

Ion Ratio Lower Upper

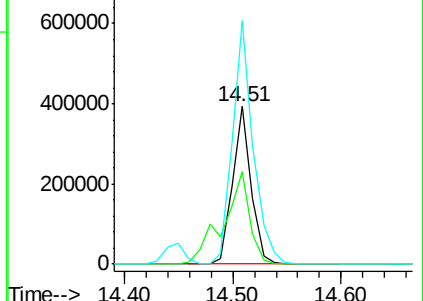
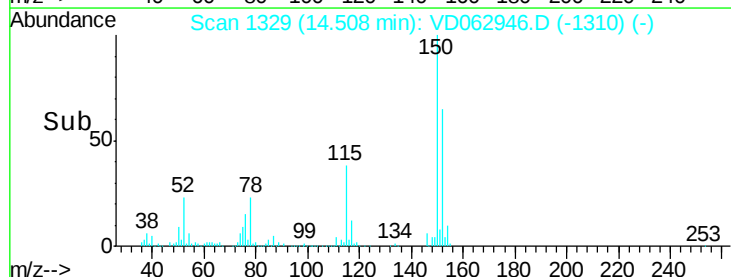
152 100

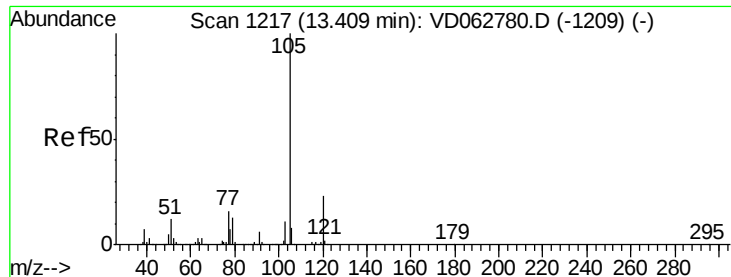
115 58.6 29.2 87.6

150 154.3 0.0 305.8



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





#73

Isopropylbenzene

Concen: 55.219 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VD062946.D

Acq: 27 Jun 2019 21:55

Instrument :

MSVOA_D

ClientSampleId :

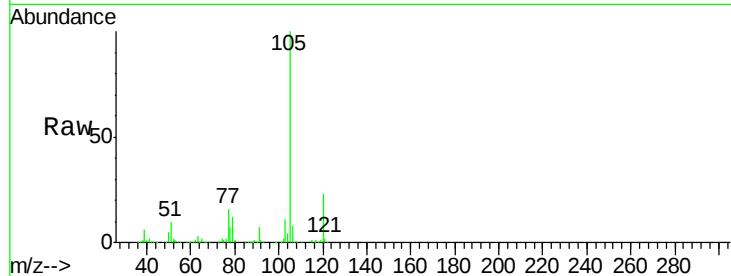
VSTDCCC050EC

Tot Ion:105 Resp: 1662356

Ion Ratio Lower Upper

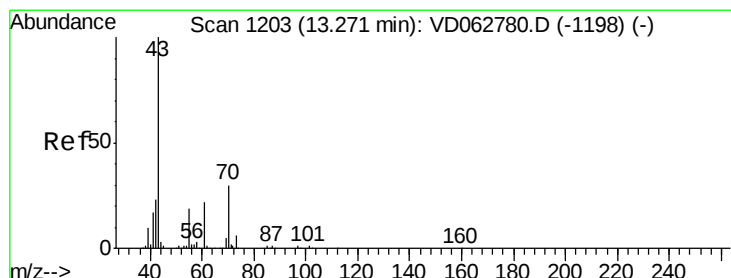
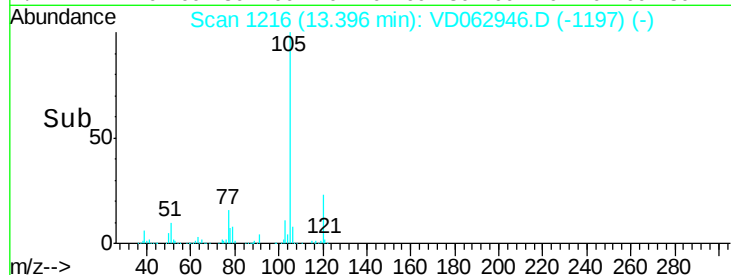
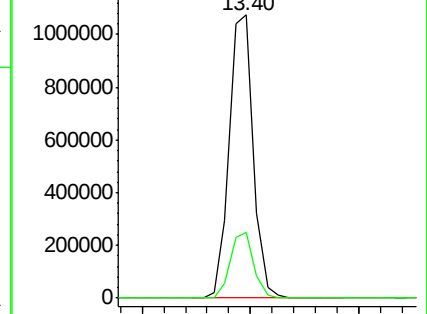
105 100

120 23.3 11.6 34.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 61.358 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VD062946.D

Acq: 27 Jun 2019 21:55

Tgt Ion: 43 Resp: 448583

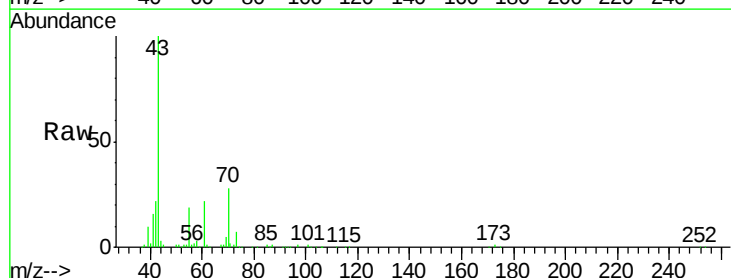
Ion Ratio Lower Upper

43 100

70 28.5 24.4 36.6

55 19.3 15.2 22.8

61 21.8 17.4 26.2

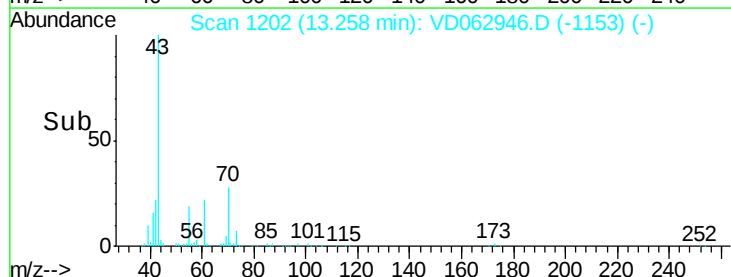
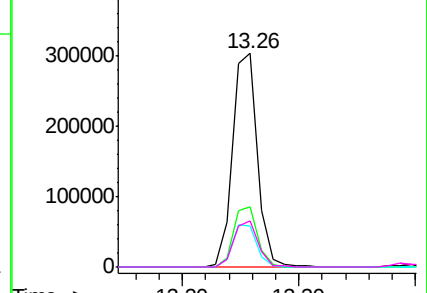


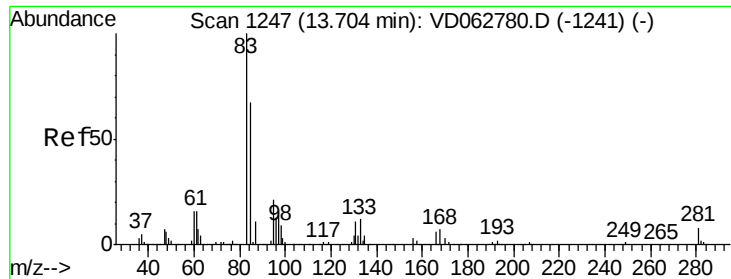
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 59.159 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. -0.01 min

Lab File: VD062946.D

Acq: 27 Jun 2019 21:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

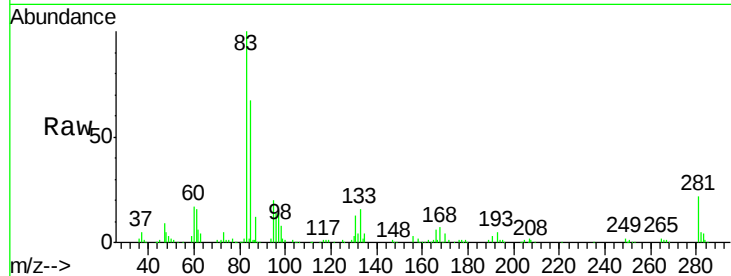
Tot Ion: 83 Resp: 290178

Ion Ratio Lower Upper

83 100

131 12.9 5.3 16.1

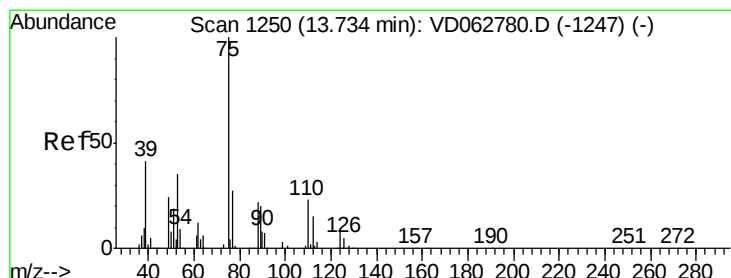
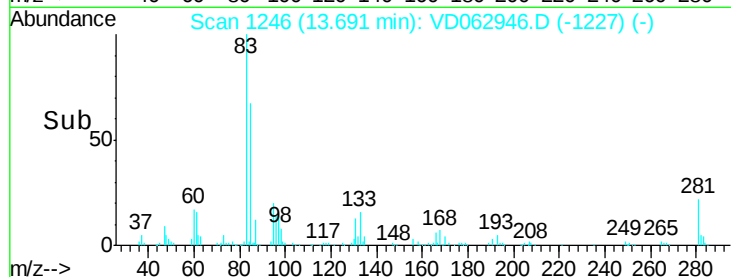
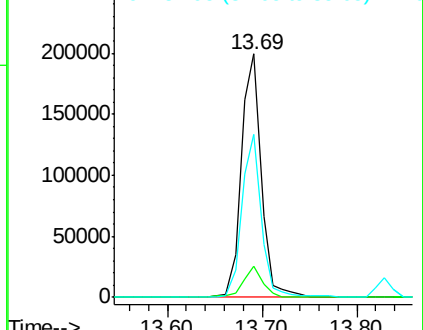
85 66.8 33.7 101.1



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: 62.044 ug/l

RT: 13.72 min Scan# 1249

Delta R.T. -0.01 min

Lab File: VD062946.D

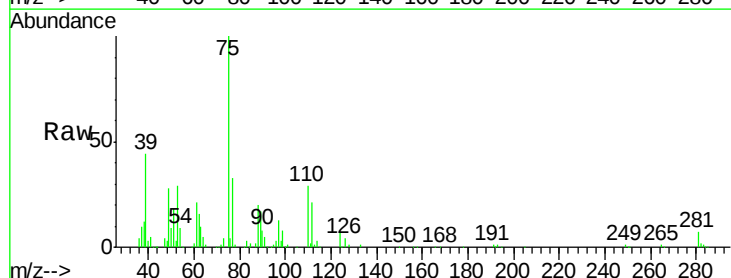
Acq: 27 Jun 2019 21:55

Tgt Ion: 75 Resp: 336296

Ion Ratio Lower Upper

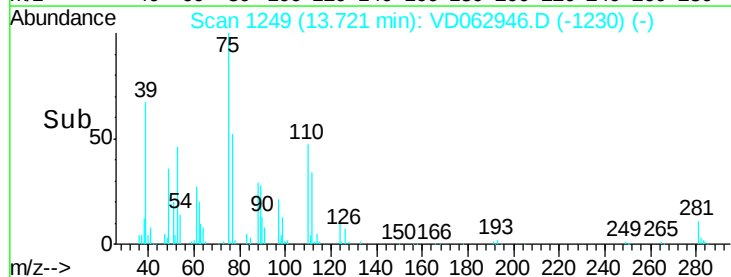
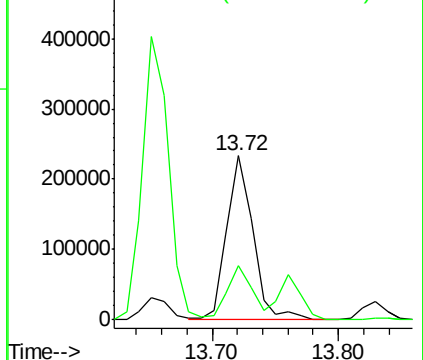
75 100

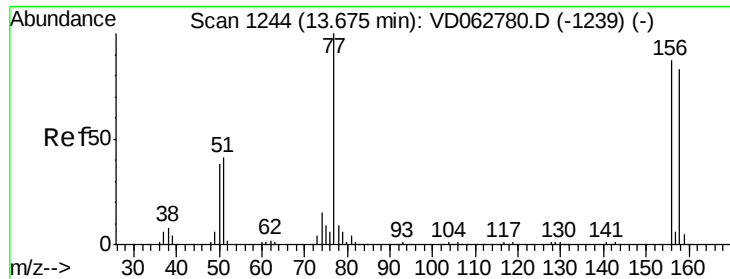
77 33.0 15.0 45.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 55.909 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. -0.01 min

Lab File: VD062946.D

Acq: 27 Jun 2019 21:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

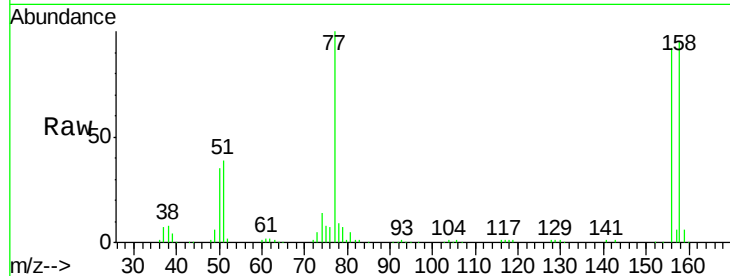
Tot Ion:156 Resp: 452708

Ion Ratio Lower Upper

156 100

77 108.5 57.7 173.1

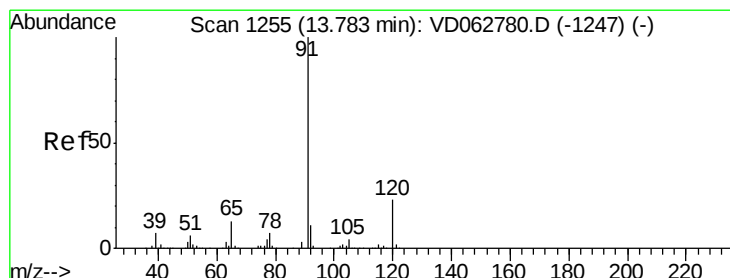
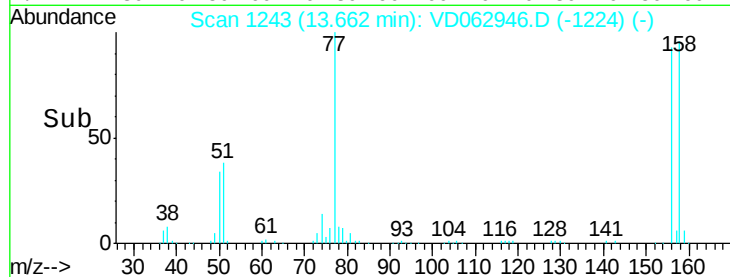
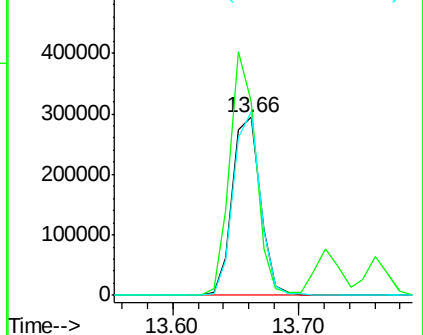
158 103.2 47.7 143.1



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: 53.484 ug/l

RT: 13.76 min Scan# 1253

Delta R.T. -0.02 min

Lab File: VD062946.D

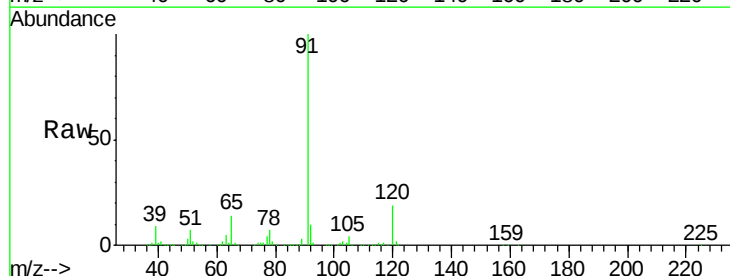
Acq: 27 Jun 2019 21:55

Tgt Ion: 91 Resp: 1874048

Ion Ratio Lower Upper

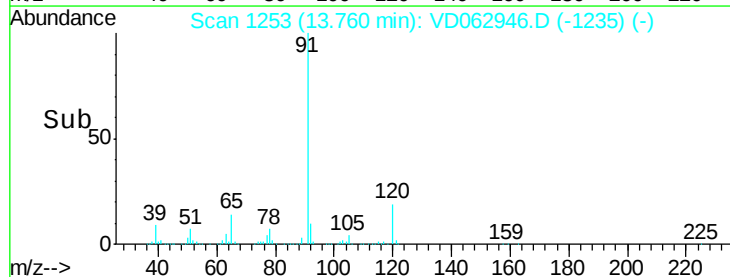
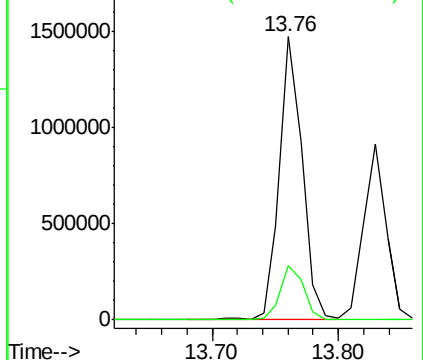
91 100

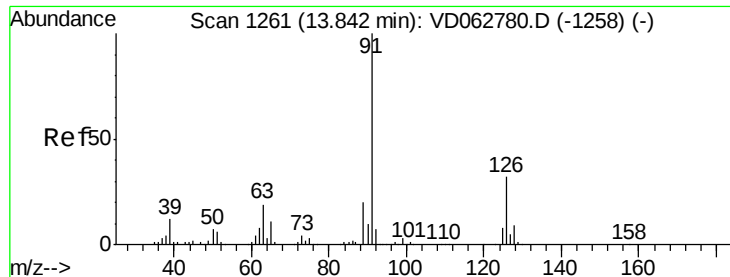
120 19.0 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 57.035 ug/l

RT: 13.83 min Scan# 1260

Delta R.T. -0.01 min

Lab File: VD062946.D

Acq: 27 Jun 2019 21:55

Instrument :

MSVOA_D

ClientSampleId :

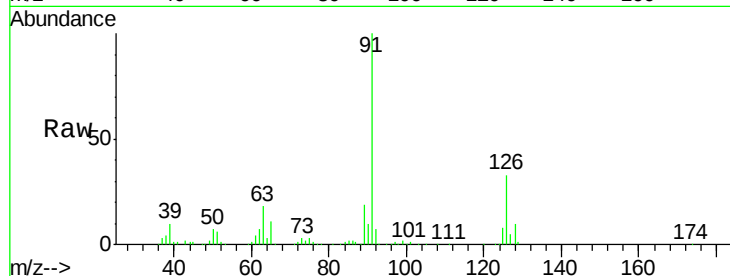
VSTDCCC050EC

Tot Ion: 91 Resp: 1142071

Ion Ratio Lower Upper

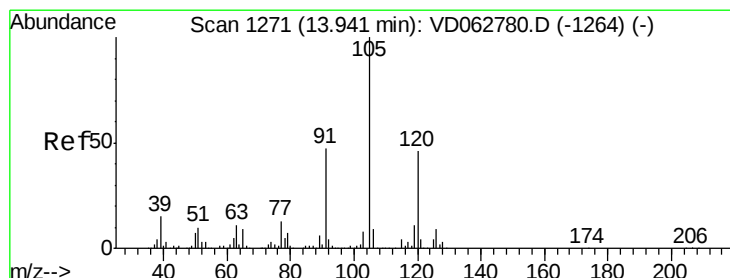
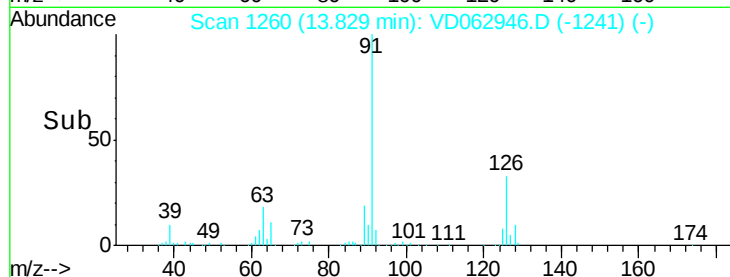
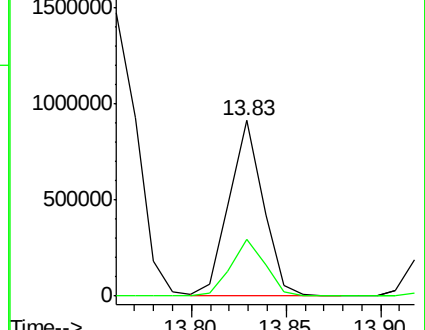
91 100

126 32.6 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: 55.845 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VD062946.D

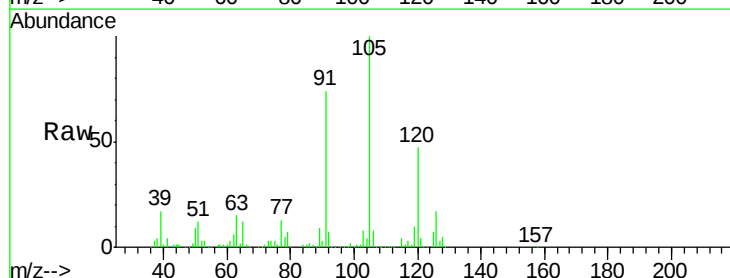
Acq: 27 Jun 2019 21:55

Tgt Ion: 105 Resp: 1412155

Ion Ratio Lower Upper

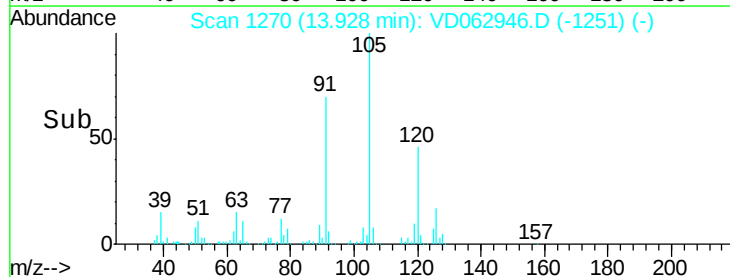
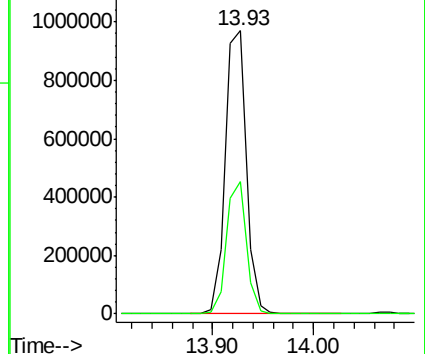
105 100

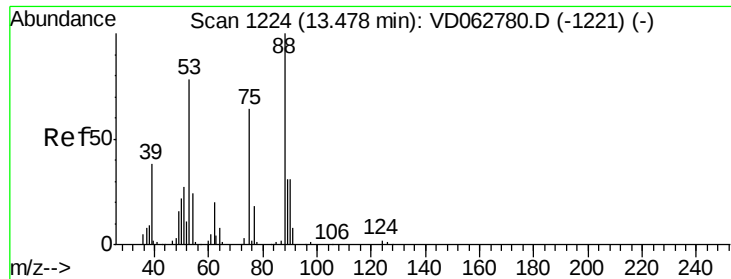
120 46.8 23.1 69.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

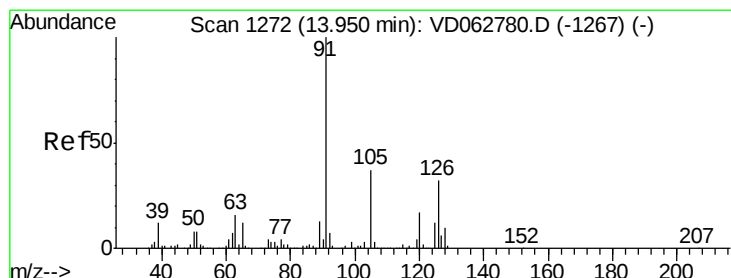
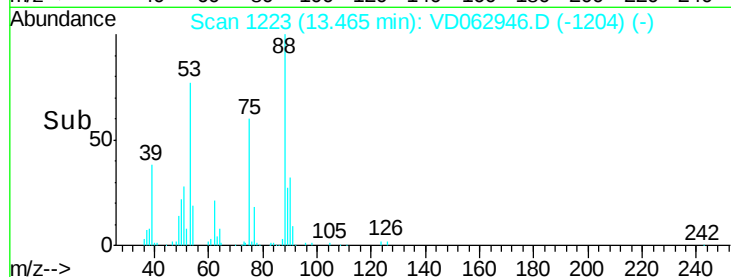
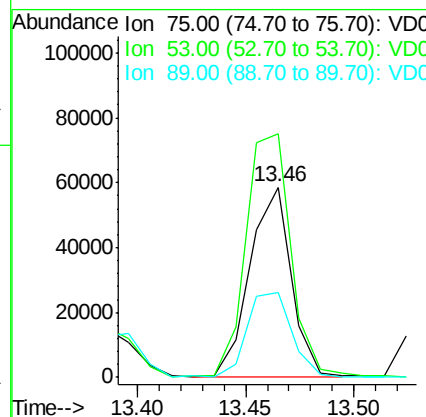
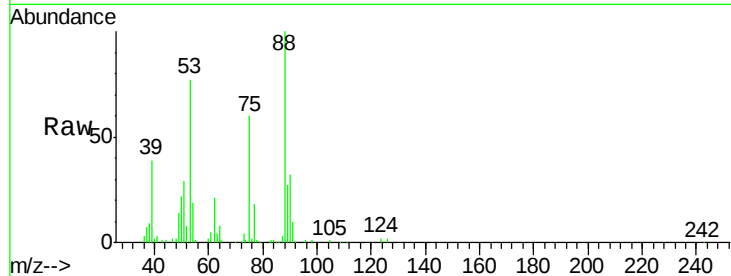




#81
trans-1,4-Dichloro-2-butene
Concen: 55.828 ug/l
RT: 13.46 min Scan# 1223
Delta R.T. -0.01 min
Lab File: VD062946.D
Acq: 27 Jun 2019 21:55

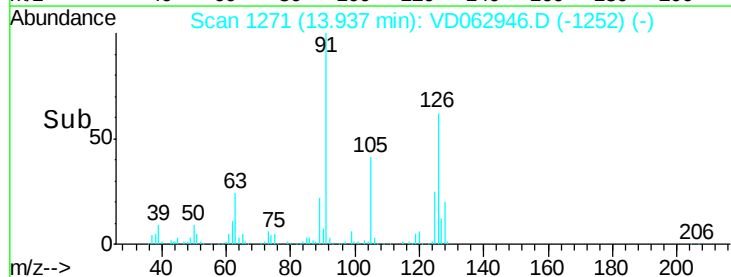
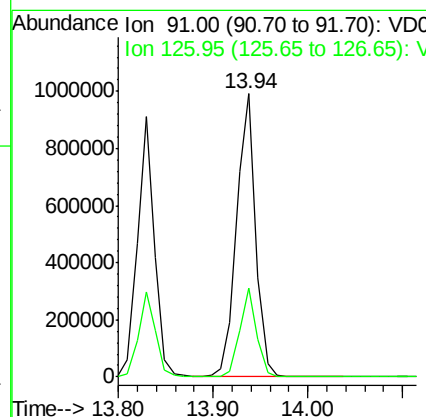
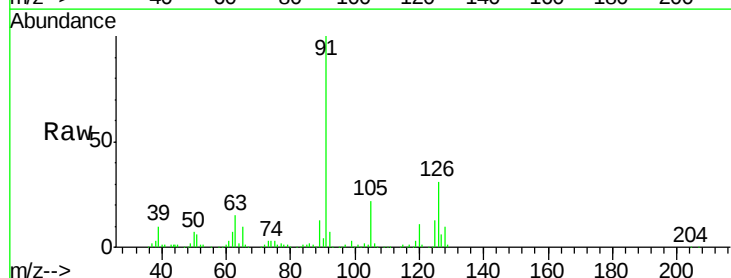
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

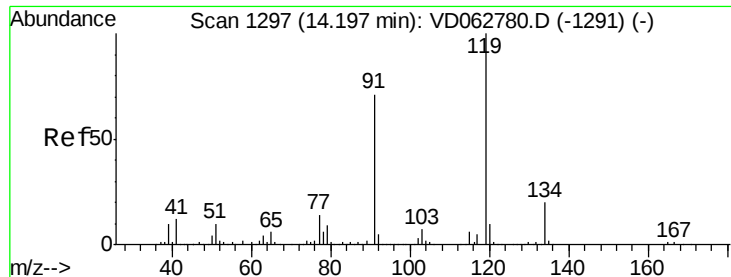
Tot Ion: 75 Resp: 79308
Ion Ratio Lower Upper
75 100
53 128.0 97.8 146.8
89 44.6 39.4 59.2



#82
4-Chlorotoluene
Concen: 57.178 ug/l
RT: 13.94 min Scan# 1271
Delta R.T. -0.01 min
Lab File: VD062946.D
Acq: 27 Jun 2019 21:55

Tgt Ion: 91 Resp: 1378398
Ion Ratio Lower Upper
91 100
126 31.5 16.0 47.9





#83

tert-Butylbenzene

Concen: 50.062 ug/l

RT: 14.18 min Scan# 1296

Delta R.T. -0.01 min

Lab File: VD062946.D

Acq: 27 Jun 2019 21:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

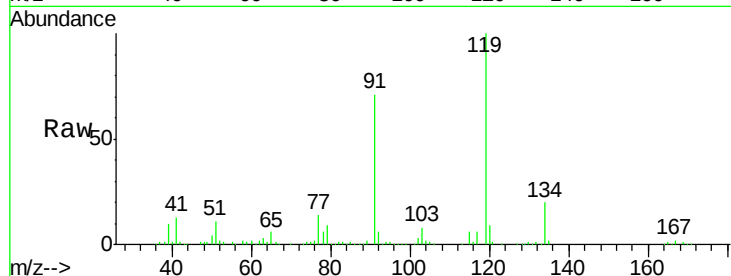
Tot Ion:119 Resp: 1411061

Ion Ratio Lower Upper

119 100

91 71.3 35.5 106.5

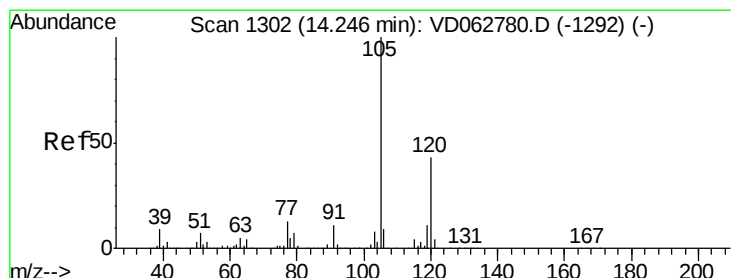
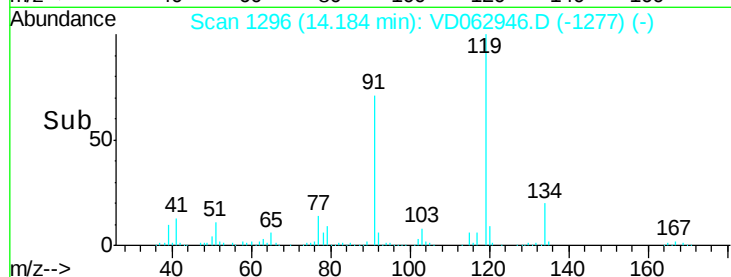
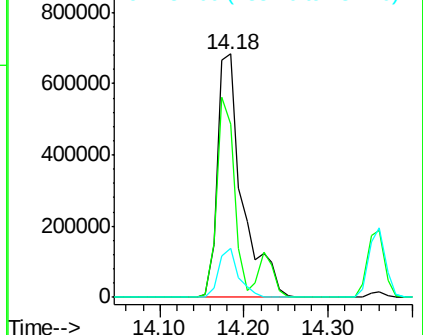
134 20.3 10.2 30.6



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 57.492 ug/l

RT: 14.22 min Scan# 1300

Delta R.T. -0.02 min

Lab File: VD062946.D

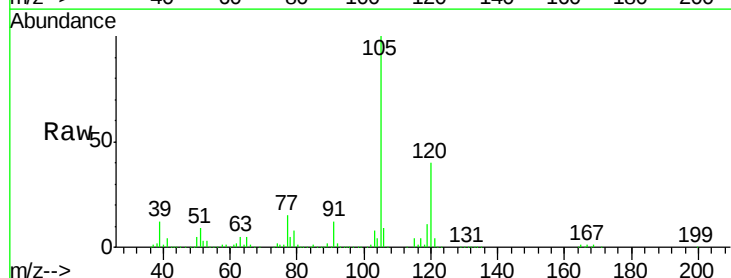
Acq: 27 Jun 2019 21:55

Tgt Ion:105 Resp: 1490071

Ion Ratio Lower Upper

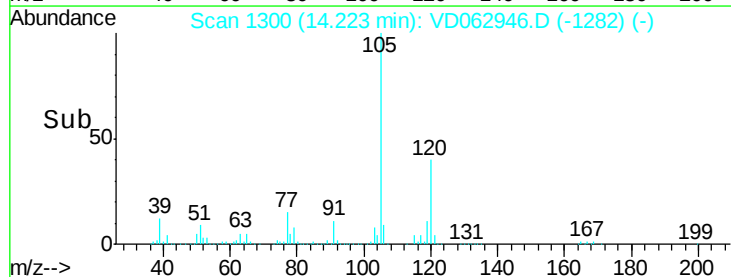
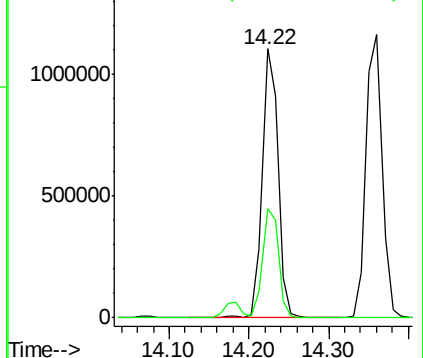
105 100

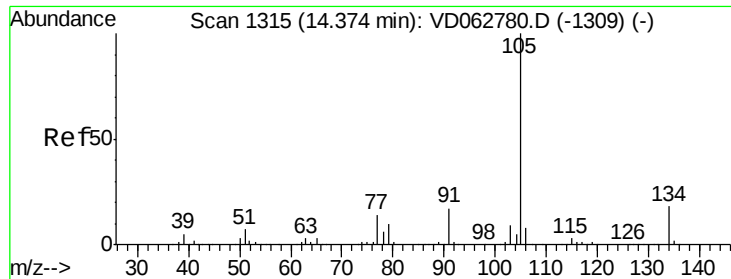
120 40.4 21.3 63.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

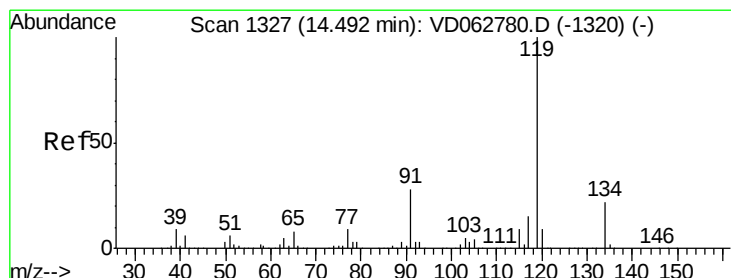
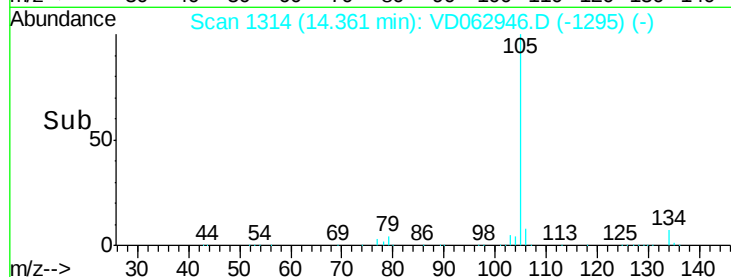
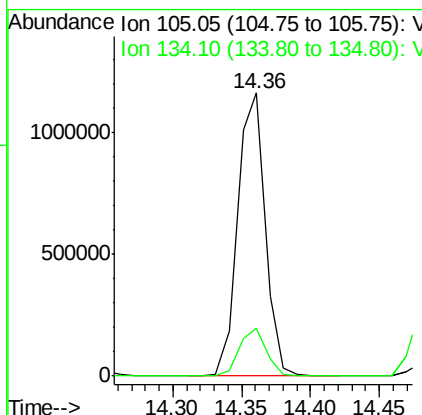
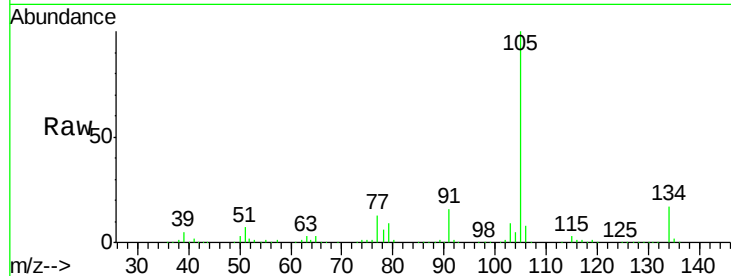




#85
 sec-Butylbenzene
 Concen: 52.781 ug/l
 RT: 14.36 min Scan# 1314
 Delta R.T. -0.01 min
 Lab File: VD062946.D
 Acq: 27 Jun 2019 21:55

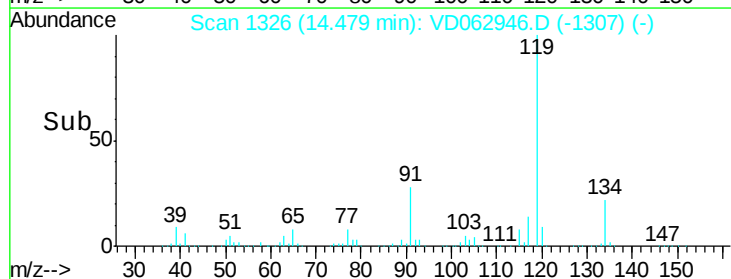
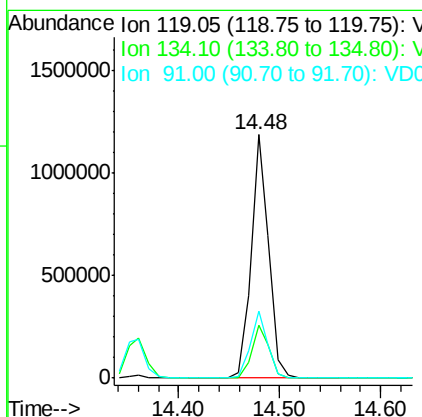
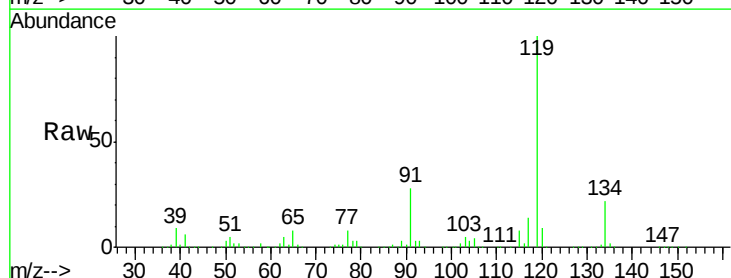
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

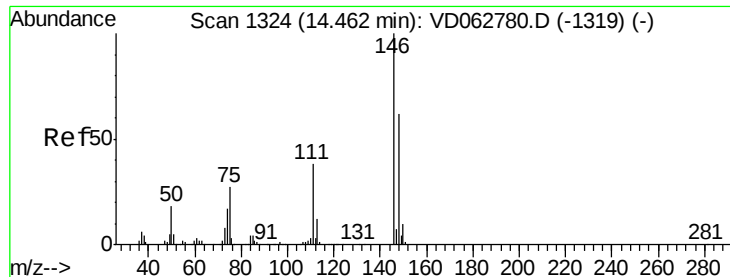
Tot Ion:105 Resp: 1616908
 Ion Ratio Lower Upper
 105 100
 134 16.9 9.1 27.3



#86
 p-Isopropyltoluene
 Concen: 51.118 ug/l
 RT: 14.48 min Scan# 1326
 Delta R.T. -0.01 min
 Lab File: VD062946.D
 Acq: 27 Jun 2019 21:55

Tgt Ion:119 Resp: 1432621
 Ion Ratio Lower Upper
 119 100
 134 21.7 11.1 33.1
 91 27.7 14.0 41.9

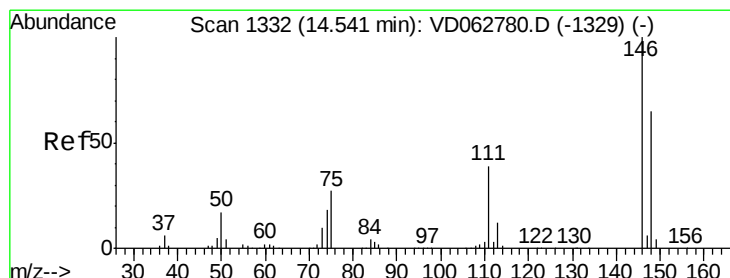
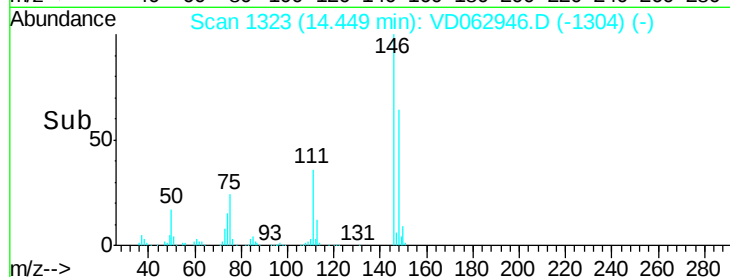
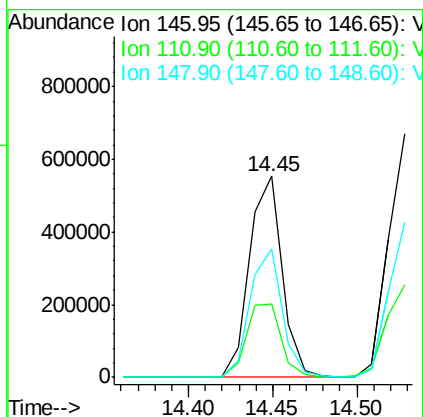
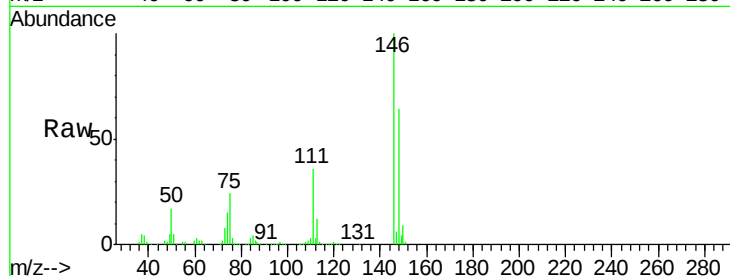




#87
 1,3-Dichlorobenzene
 Concen: 51.361 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: VD062946.D
 Acq: 27 Jun 2019 21:55

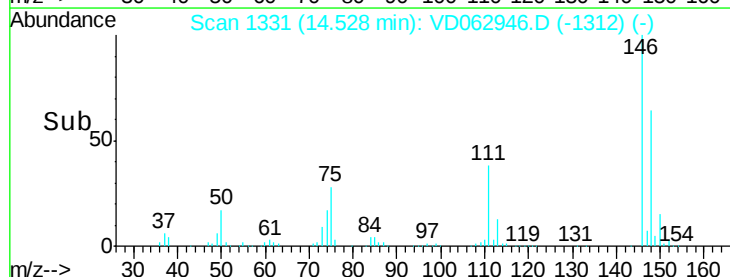
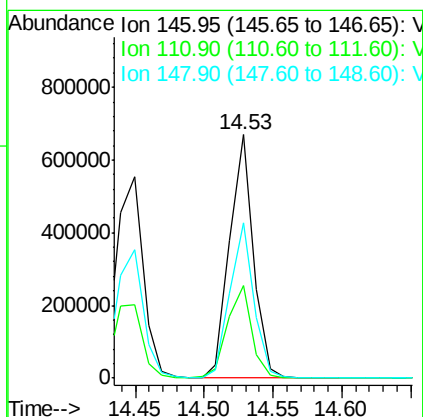
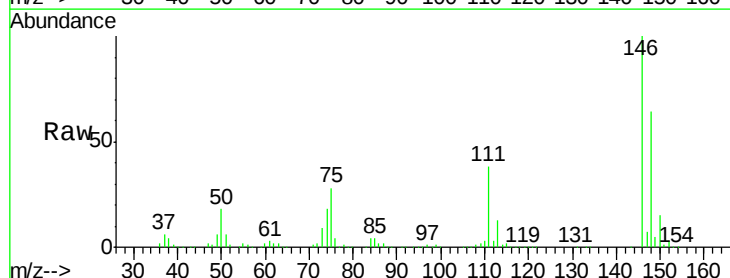
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

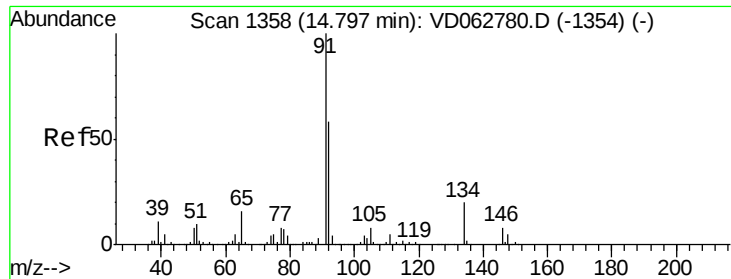
Tot Ion:146 Resp: 745500
 Ion Ratio Lower Upper
 146 100
 111 36.4 19.0 57.0
 148 64.1 30.8 92.3



#88
 1,4-Dichlorobenzene
 Concen: 55.332 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: VD062946.D
 Acq: 27 Jun 2019 21:55

Tgt Ion:146 Resp: 806672
 Ion Ratio Lower Upper
 146 100
 111 38.2 19.7 59.1
 148 63.9 32.8 98.3





#89

n-Butylbenzene

Concen: 51.094 ug/l

RT: 14.78 min Scan# 1357

Delta R.T. -0.01 min

Lab File: VD062946.D

Acq: 27 Jun 2019 21:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

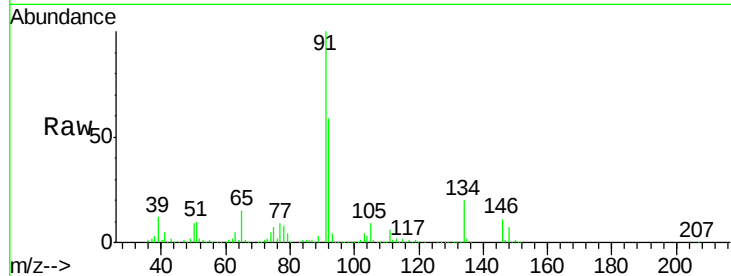
Tot Ion: 91 Resp: 1340242

Ion Ratio Lower Upper

91 100

92 59.1 28.9 86.7

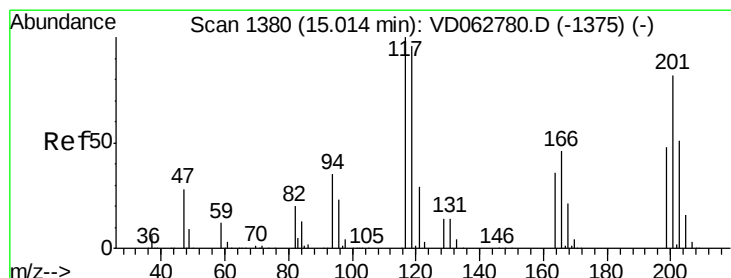
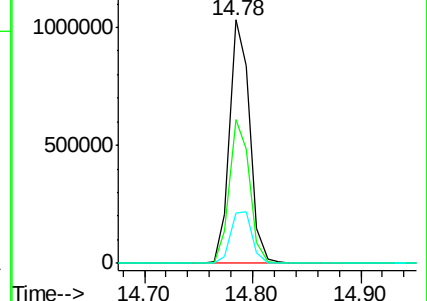
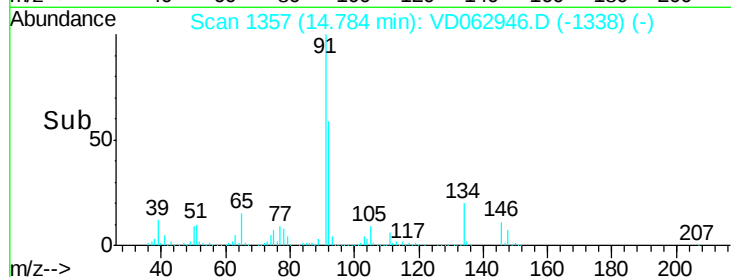
134 20.5 10.1 30.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 55.367 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. -0.01 min

Lab File: VD062946.D

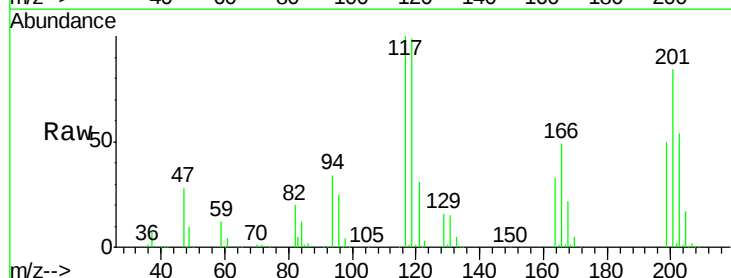
Acq: 27 Jun 2019 21:55

Tgt Ion: 117 Resp: 417206

Ion Ratio Lower Upper

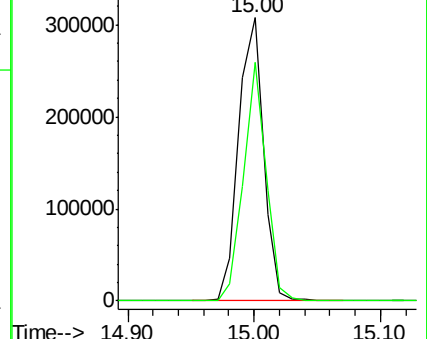
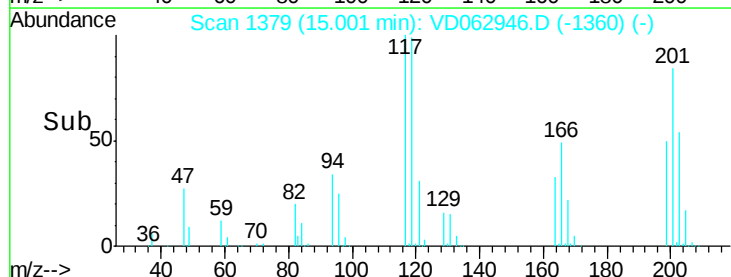
117 100

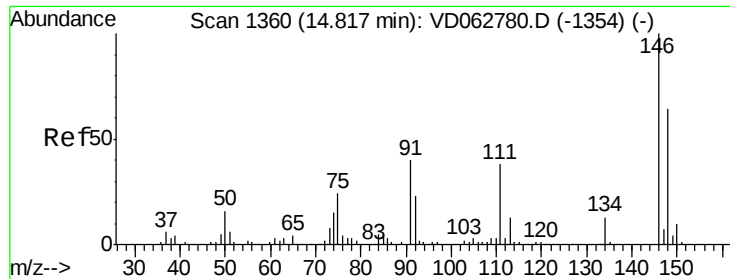
201 84.2 40.8 122.2



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

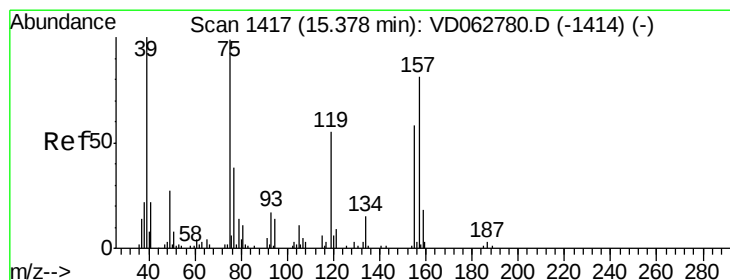
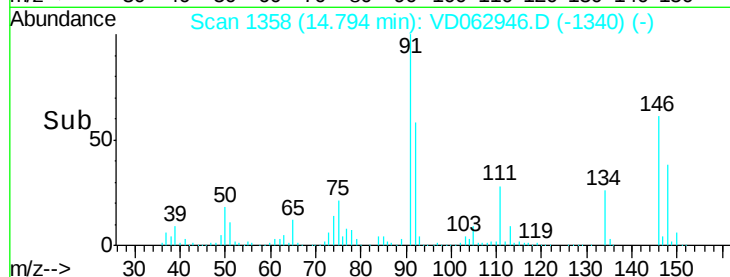
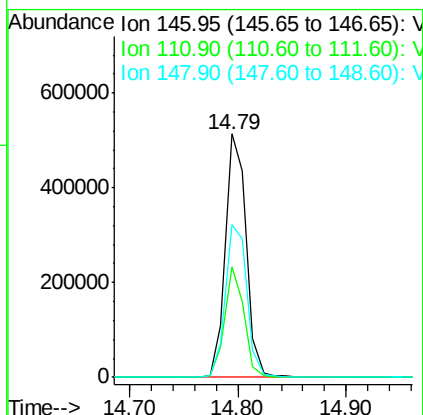
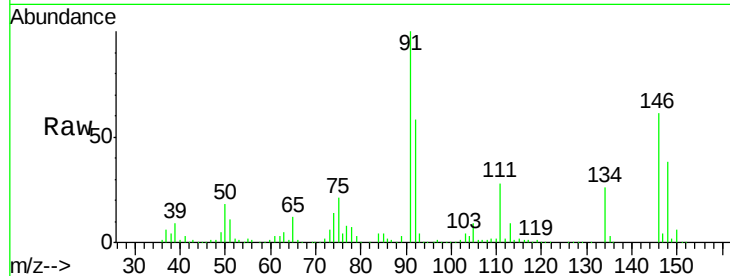




#91
 1,2-Dichlorobenzene
 Concen: 55.593 ug/l
 RT: 14.79 min Scan# 1358
 Delta R.T. -0.02 min
 Lab File: VD062946.D
 Acq: 27 Jun 2019 21:55

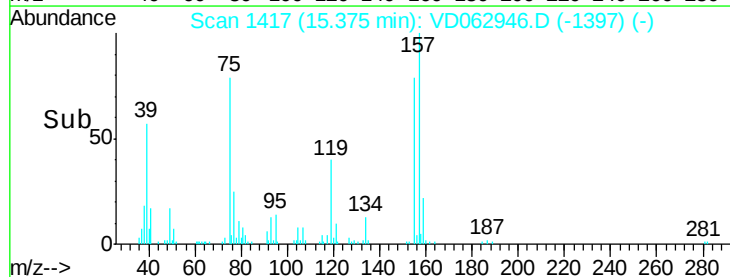
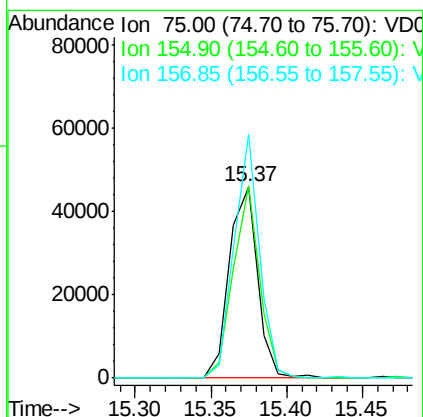
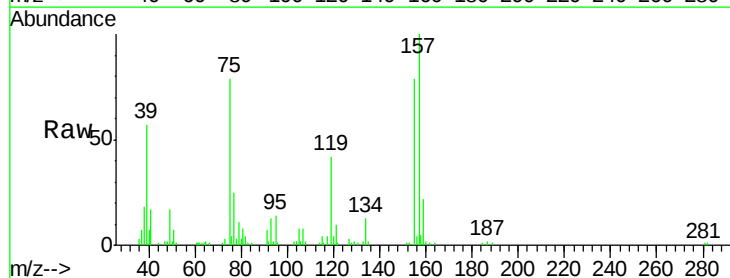
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

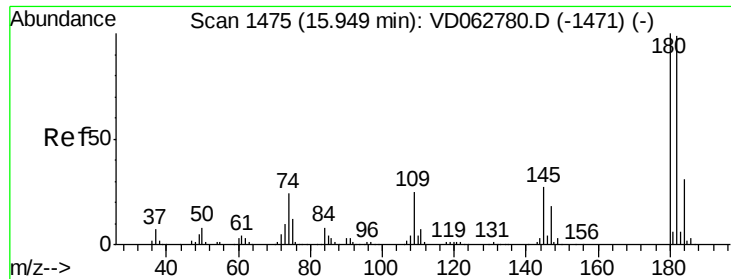
Tot Ion:146 Resp: 690392
 Ion Ratio Lower Upper
 146 100
 111 45.6 19.1 57.1
 148 62.7 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 62.088 ug/l
 RT: 15.37 min Scan# 1417
 Delta R.T. -0.00 min
 Lab File: VD062946.D
 Acq: 27 Jun 2019 21:55

Tgt Ion: 75 Resp: 59441
 Ion Ratio Lower Upper
 75 100
 155 100.4 29.3 87.8#
 157 127.3 41.3 123.7#

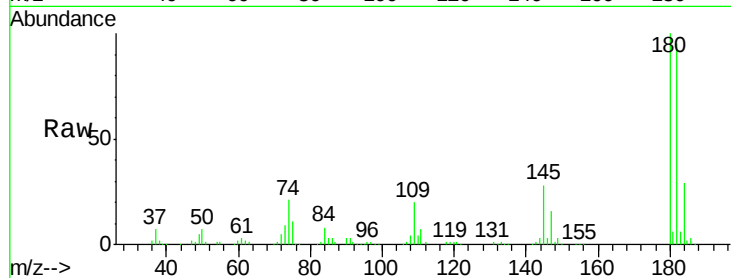




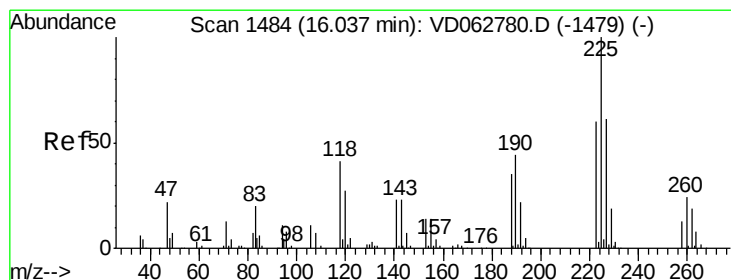
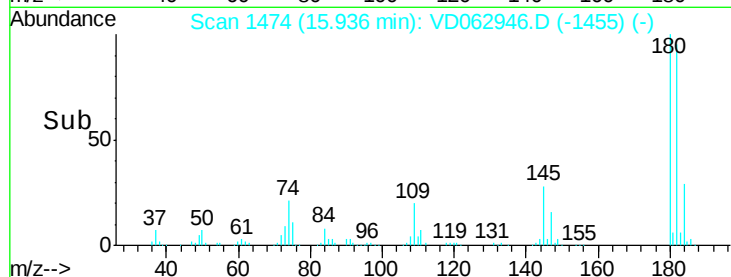
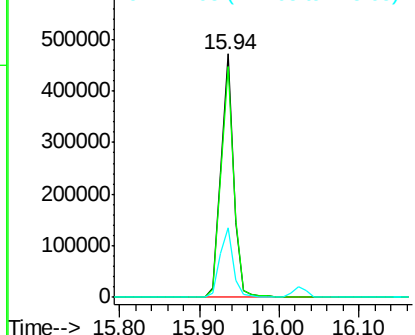
#93
 1,2,4-Trichlorobenzene
 Concen: 55.620 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: VD062946.D
 Acq: 27 Jun 2019 21:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:180 Resp: 539574
 Ion Ratio Lower Upper
 180 100
 182 94.8 49.5 148.5
 145 28.3 13.7 41.0

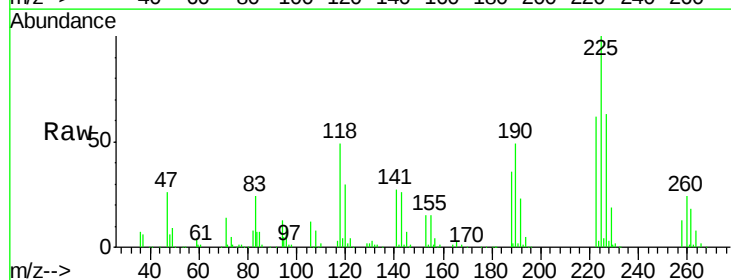


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

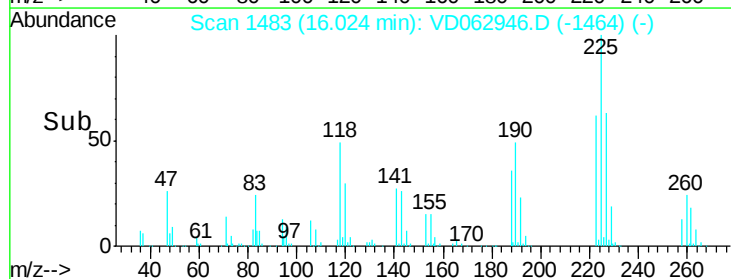
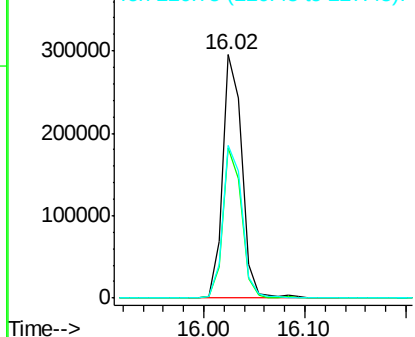


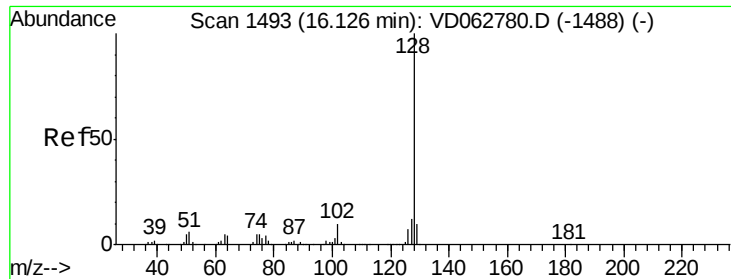
#94
 Hexachlorobutadiene
 Concen: 53.156 ug/l
 RT: 16.02 min Scan# 1483
 Delta R.T. -0.01 min
 Lab File: VD062946.D
 Acq: 27 Jun 2019 21:55

Tgt Ion:225 Resp: 393950
 Ion Ratio Lower Upper
 225 100
 223 61.7 29.8 89.5
 227 62.6 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

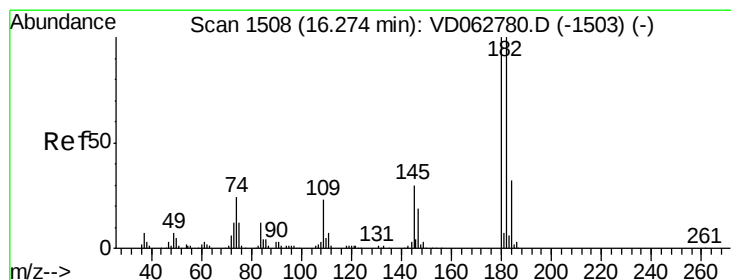
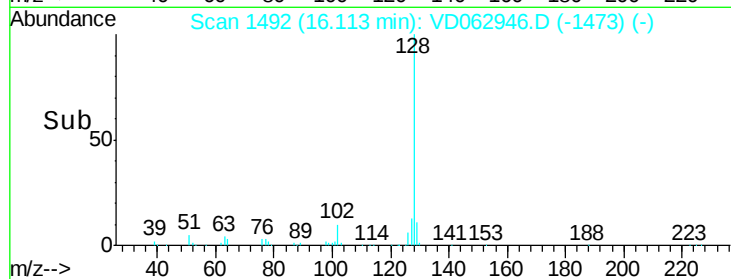
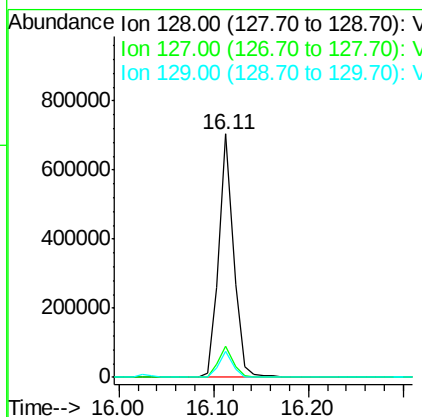
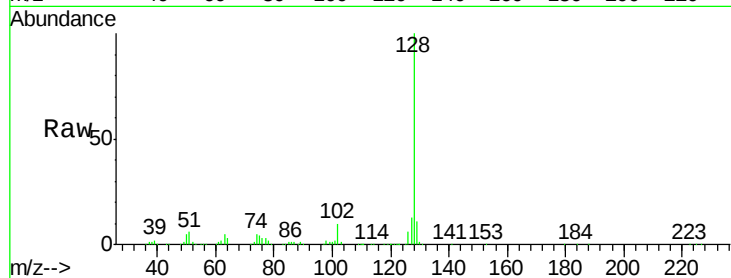




#95
Naphthalene
Concen: 56.913 ug/l
RT: 16.11 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VD062946.D
Acq: 27 Jun 2019 21:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 773845
Ion Ratio Lower Upper
128 100
127 12.7 9.7 14.5
129 10.9 8.3 12.5



#96
1,2,3-Trichlorobenzene
Concen: 60.708 ug/l
RT: 16.26 min Scan# 1507
Delta R.T. -0.01 min
Lab File: VD062946.D
Acq: 27 Jun 2019 21:55

Tgt Ion:180 Resp: 452499
Ion Ratio Lower Upper
180 100
182 96.2 49.9 149.6
145 30.4 15.2 45.5

