

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062819\
 Data File : VD062978.D
 Acq On : 28 Jun 2019 20:52
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00u/5ml/MSVOA D/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jun 29 00:17:38 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	7.01	168	763271	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	8.19	114	1050545	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.35	117	943404	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	14.50	152	503711	50.00	ug/l	-0.02

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.43	65	434314	52.35	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	104.70%	
35) Dibromofluoromethane	6.89	113	433349	48.92	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	97.84%	
50) Toluene-d8	10.39	98	976625	50.66	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	101.32%	
62) 4-Bromofluorobenzene	13.54	95	478608	54.60	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	109.20%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.56	85	459470	46.519	ug/l	93
3) Chloromethane	1.74	50	324034	43.622	ug/l	98
4) Vinyl Chloride	1.83	62	345524	46.915	ug/l	96
5) Bromomethane	2.14	94	164891	47.807	ug/l	97
6) Chloroethane	2.25	64	184871	55.444	ug/l	93
7) Trichlorofluoromethane	2.51	101	790012	53.002	ug/l	97
8) Diethyl Ether	2.85	74	113646	60.009	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.11	101	409279	50.685	ug/l #	87
10) Methyl Iodide	3.27	142	520225	48.833	ug/l	95
11) Tert butyl alcohol	4.06	59	114739	303.649	ug/l #	94
12) 1,1-Dichloroethene	3.10	96	304702	50.301	ug/l	95
13) Acrolein	3.02	56	71488	185.318	ug/l	99
14) Allyl chloride	3.60	41	460647	51.465	ug/l	94
15) Acrylonitrile	4.18	53	257887	290.450	ug/l	91
16) Acetone	3.20	43	483028	288.160	ug/l	97
17) Carbon Disulfide	3.35	76	881398	45.527	ug/l	96
18) Methyl Acetate	3.62	43	179081	71.502	ug/l #	92
19) Methyl tert-butyl Ether	4.21	73	788555	60.133	ug/l	98
20) Methylene Chloride	3.78	84	325916	51.509	ug/l	91
21) trans-1,2-Dichloroethene	4.19	96	340566	52.801	ug/l	88
22) Diisopropyl ether	5.08	45	1038609	57.058	ug/l	97
23) Vinyl Acetate	5.02	43	3261967	286.384	ug/l	100
24) 1,1-Dichloroethane	4.94	63	637922	53.827	ug/l	98
25) 2-Butanone	6.05	43	500498	322.543	ug/l	95
26) 2,2-Dichloropropane	5.99	77	638127	50.799	ug/l	99
27) cis-1,2-Dichloroethene	6.01	96	374343	54.883	ug/l	97
28) Bromochloromethane	6.41	49	235612	56.447	ug/l	97
29) Tetrahydrofuran	6.43	42	223488	304.405	ug/l	98
30) Chloroform	6.64	83	840901	58.343	ug/l	97
31) Cyclohexane	6.92	56	375305	48.171	ug/l	98
32) 1,1,1-Trichloroethane	6.84	97	850955	56.684	ug/l	93
36) 1,1-Dichloropropene	7.11	75	533338	53.629	ug/l	99
37) Ethyl Acetate	6.16	43	239343	57.457	ug/l #	92
38) Carbon Tetrachloride	7.08	117	890255	59.522	ug/l	96

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.84	83	441123	50.392	ug/l	96
40) Benzene	7.43	78	1042265	52.211	ug/l	95
41) Methacrylonitrile	6.41	41	315166	60.094	ug/l #	98
42) 1,2-Dichloroethane	7.55	62	669531	61.481	ug/l	99
43) Isopropyl Acetate	9.22	43	314596	60.340	ug/l #	93
44) Trichloroethene	8.52	130	435342	55.627	ug/l	94
45) 1,2-Dichloropropane	8.91	63	273723	55.144	ug/l	98
46) Dibromomethane	9.04	93	259936	60.961	ug/l	89
47) Bromodichloromethane	9.36	83	670136	60.515	ug/l	97
48) Methyl methacrylate	9.10	41	227838	61.494	ug/l	88
49) 1,4-Dioxane	9.06	88	40496	1313.745	ug/l #	91
51) 4-Methyl-2-Pentanone	10.28	43	1170516	316.652	ug/l	96
52) Toluene	10.49	92	767961	57.230	ug/l	99
53) t-1,3-Dichloropropene	10.89	75	538969	59.463	ug/l	99
54) cis-1,3-Dichloropropene	10.01	75	566856	57.539	ug/l	100
55) 1,1,2-Trichloroethane	11.17	97	273673	59.363	ug/l	94
56) Ethyl methacrylate	11.02	69	307503	62.414	ug/l	96
57) 1,3-Dichloropropane	11.38	76	442933	62.748	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.84	63	673686	266.345	ug/l	96
59) 2-Hexanone	11.51	43	883044	335.423	ug/l	95
60) Dibromochloromethane	11.67	129	524620	61.094	ug/l	99
61) 1,2-Dibromoethane	11.79	107	347278	63.781	ug/l	92
64) Tetrachloroethene	11.24	164	436035	56.158	ug/l	98
65) Chlorobenzene	12.39	112	939916	53.683	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.50	131	451755	55.173	ug/l	89
67) Ethyl Benzene	12.51	91	1643330	52.278	ug/l	98
68) m/p-Xylenes	12.65	106	1143440	104.439	ug/l	99
69) o-Xylene	13.04	106	545577	54.511	ug/l	99
70) Styrene	13.06	104	983308	55.935	ug/l	96
71) Bromoform	13.22	173	343176	61.173	ug/l	93
73) Isopropylbenzene	13.39	105	1548475	47.945	ug/l	98
74) N-amyl acetate	13.25	43	485422	61.890	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.69	83	328153	62.360	ug/l	97
76) 1,2,3-Trichloropropane	13.72	75	358707	61.687	ug/l	98
77) Bromobenzene	13.66	156	505734	58.218	ug/l	95
78) n-propylbenzene	13.77	91	2004541	53.325	ug/l	97
79) 2-Chlorotoluene	13.82	91	1231610	57.331	ug/l	98
80) 1,3,5-Trimethylbenzene	13.92	105	1578283	58.178	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.46	75	91778	60.221	ug/l	96
82) 4-Chlorotoluene	13.93	91	1502936	58.112	ug/l	95
83) tert-Butylbenzene	14.18	119	1520758	50.292	ug/l	95
84) 1,2,4-Trimethylbenzene	14.23	105	1466224	52.732	ug/l	97
85) sec-Butylbenzene	14.36	105	1705785	51.902	ug/l	96
86) p-Isopropyltoluene	14.48	119	1602440	53.297	ug/l	95
87) 1,3-Dichlorobenzene	14.44	146	897391	57.628	ug/l	99
88) 1,4-Dichlorobenzene	14.52	146	835442	53.415	ug/l	97
89) n-Butylbenzene	14.79	91	1427560	50.729	ug/l	97
90) Hexachloroethane	15.00	117	432575	53.510	ug/l	85
91) 1,2-Dichlorobenzene	14.80	146	745068	55.923	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.37	75	63272	61.603	ug/l #	51

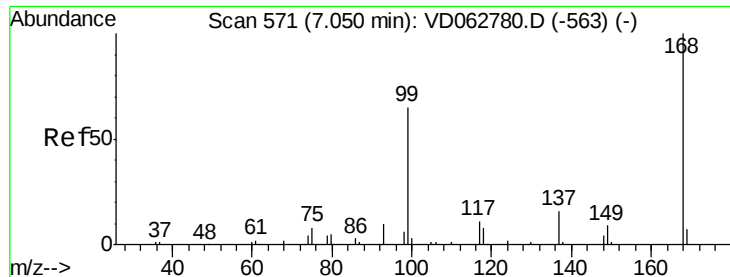
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062819\
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Quant Title : SW846 8260
QLast Update : Thu Jun 20 01:50:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.93	180	590951	56.781	ug/l	96
94) Hexachlorobutadiene	16.03	225	436561	54.907	ug/l	98
95) Naphthalene	16.11	128	870908	59.704	ug/l	99
96) 1,2,3-Trichlorobenzene	16.26	180	471053	58.908	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.01 min Scan# 567

Delta R.T. -0.04 min

Lab File: VD062978.D

Acq: 28 Jun 2019 20:52

Instrument :

MSVOA_D

ClientSampleId :

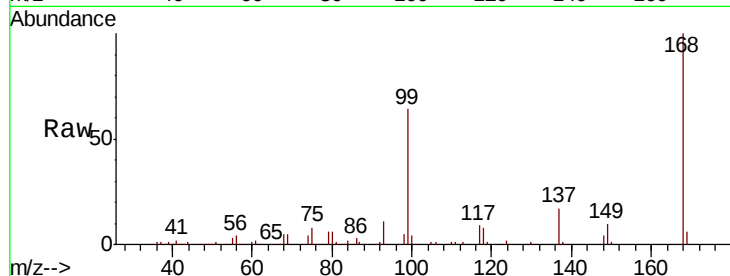
VSTDCCC050EC

Tot Ion:168 Resp: 763271

Ion Ratio Lower Upper

168 100

99 63.6 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.01

250000

200000

150000

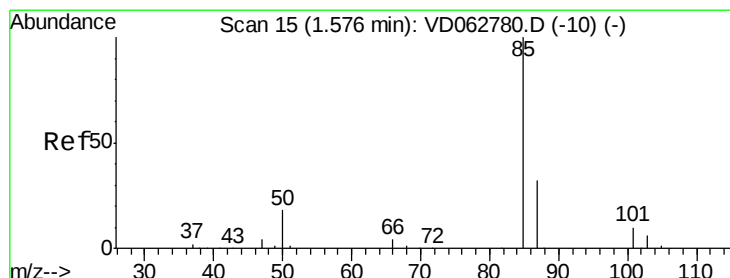
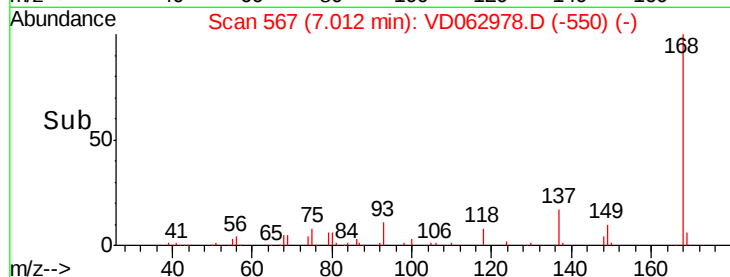
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 46.519 ug/l

RT: 1.56 min Scan# 13

Delta R.T. -0.02 min

Lab File: VD062978.D

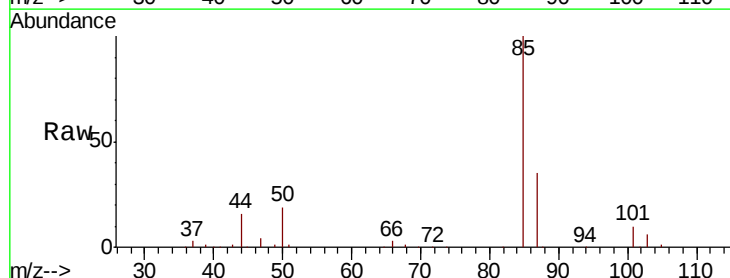
Acq: 28 Jun 2019 20:52

Tgt Ion: 85 Resp: 459470

Ion Ratio Lower Upper

85 100

87 35.3 15.9 47.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.56

200000

150000

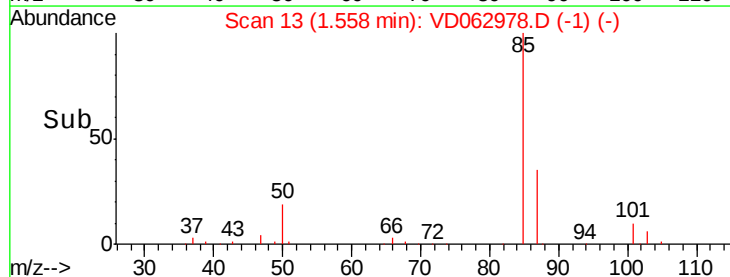
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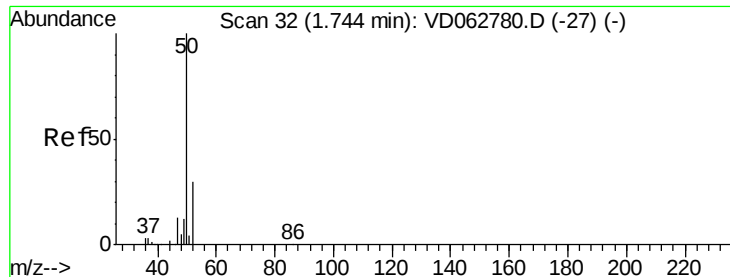
50000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 43.622 ug/l

RT: 1.74 min Scan# 31

Delta R.T. -0.01 min

Lab File: VD062978.D

Acq: 28 Jun 2019 20:52

Instrument :

MSVOA_D

ClientSampleId :

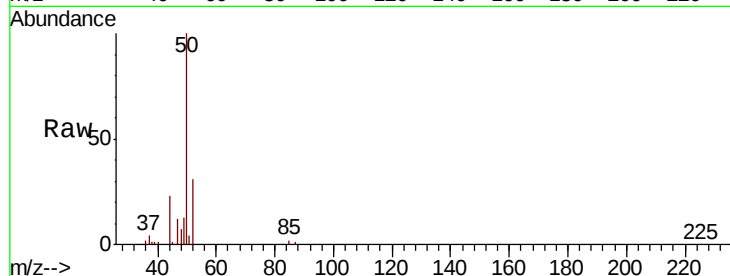
VSTDCCC050EC

Tot Ion: 50 Resp: 324034

Ion Ratio Lower Upper

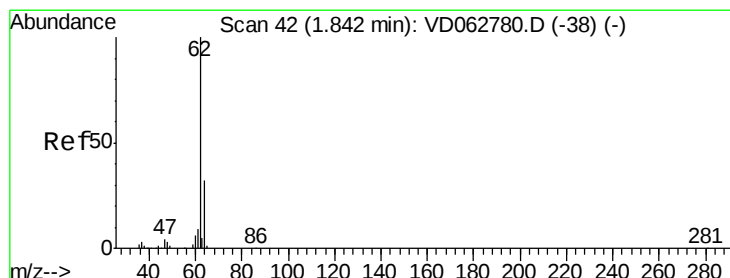
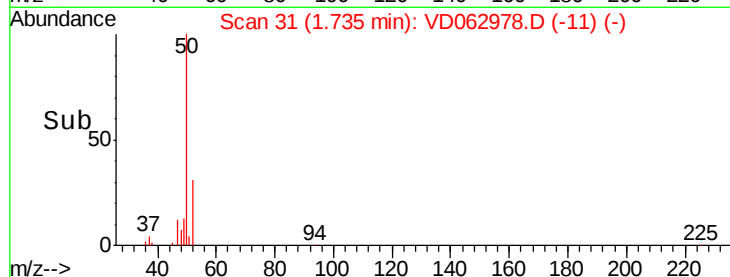
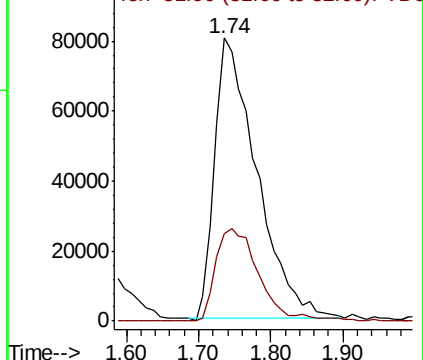
50 100

52 30.7 23.6 35.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 46.915 ug/l

RT: 1.83 min Scan# 41

Delta R.T. -0.01 min

Lab File: VD062978.D

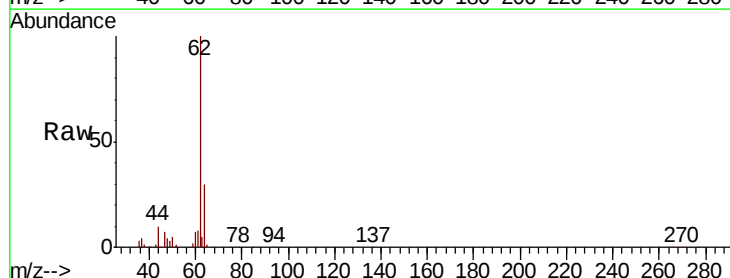
Acq: 28 Jun 2019 20:52

Tgt Ion: 62 Resp: 345524

Ion Ratio Lower Upper

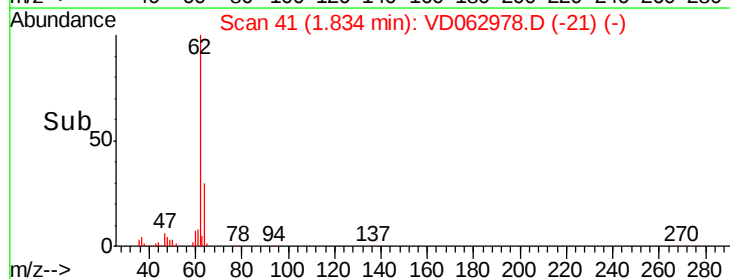
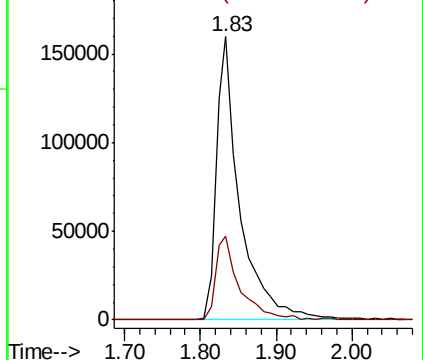
62 100

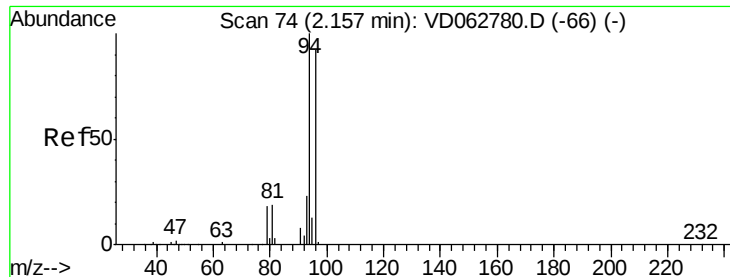
64 29.8 25.6 38.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 47.807 ug/l

RT: 2.14 min Scan# 72

Delta R.T. -0.02 min

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Acq: 28 Jun 2019 20:52

Instrument :

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ClientSampleId :

VSTDCCC050EC

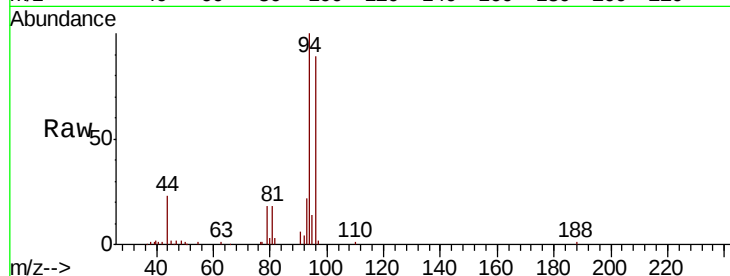
Tot Ion: 94 Resp: 164891

Ion Ratio Lower Upper

94 100

96 89.0 73.4 110.2

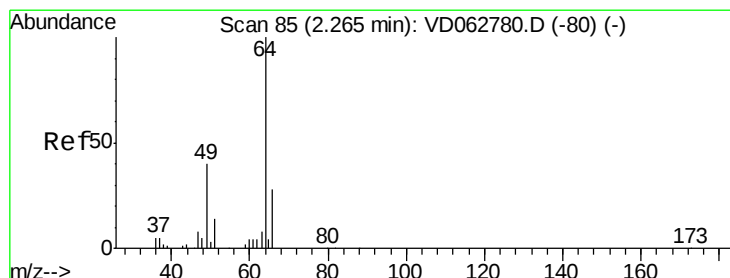
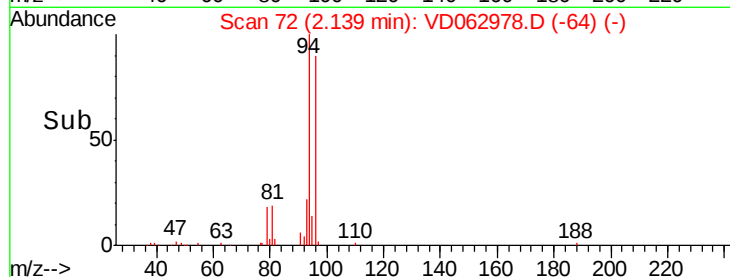
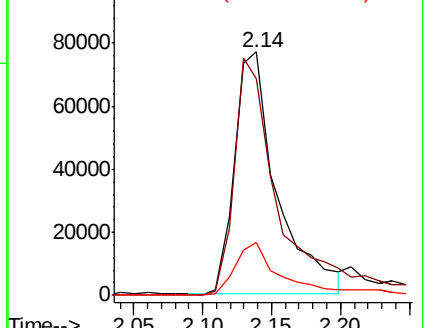
93 21.8 18.2 27.4



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 55.444 ug/l

RT: 2.25 min Scan# 83

Delta R.T. -0.02 min

Lab File: VD062978.D

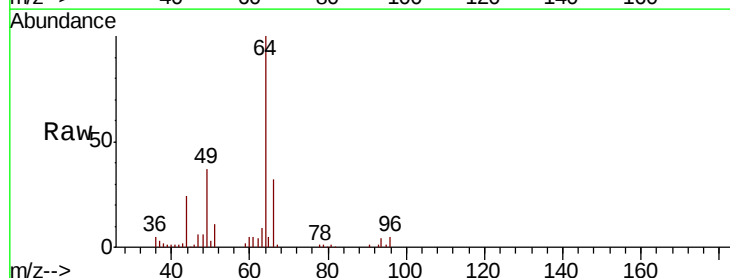
Acq: 28 Jun 2019 20:52

Tgt Ion: 64 Resp: 184871

Ion Ratio Lower Upper

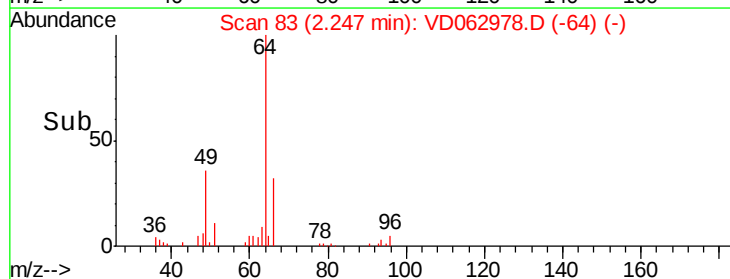
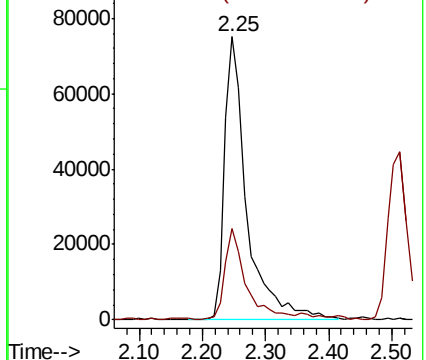
64 100

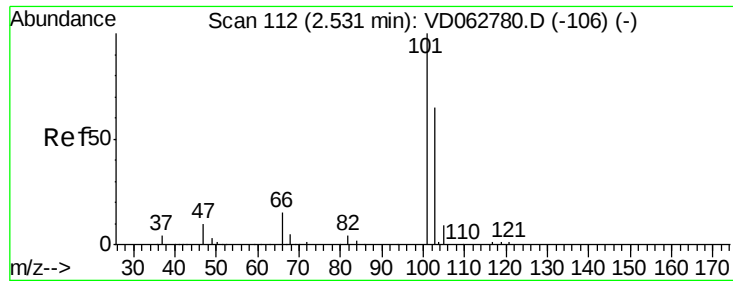
66 32.4 23.0 34.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



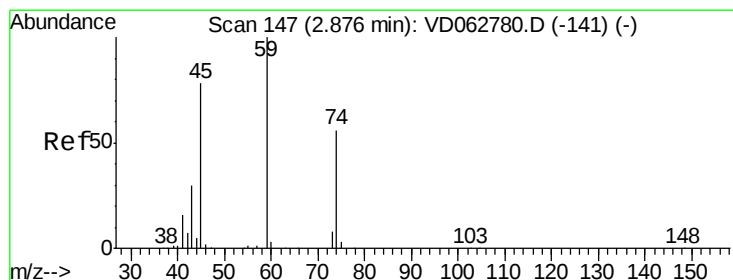
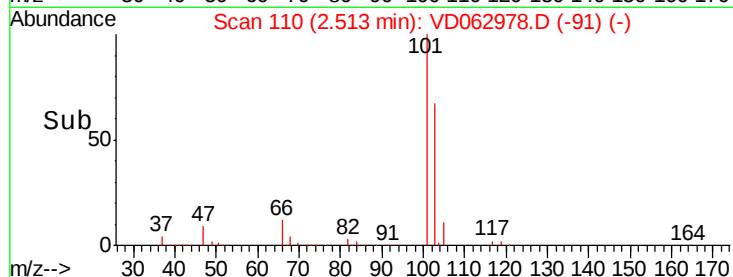
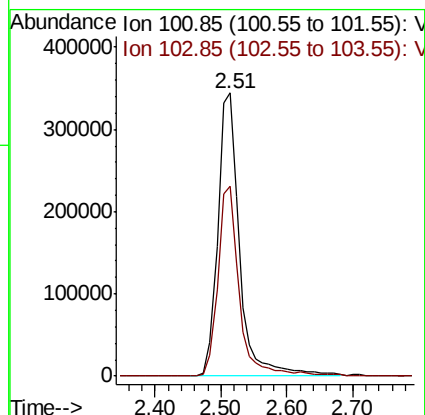
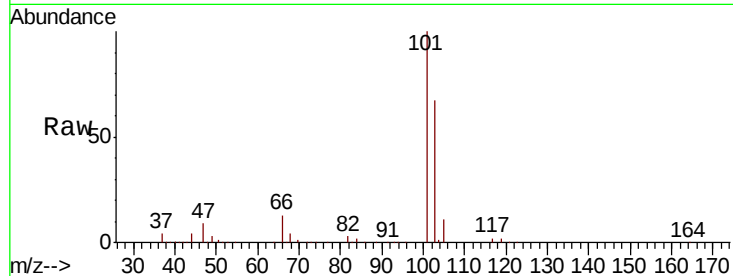


#7

Trichlorofluoromethane
Concen: 53.002 ug/l
RT: 2.51 min Scan# 110
Delta R.T. -0.02 min
Lab File: VD062978.D
Acq: 28 Jun 2019 20:52

Instrument :
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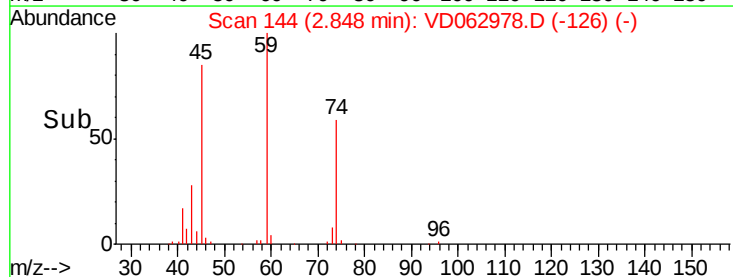
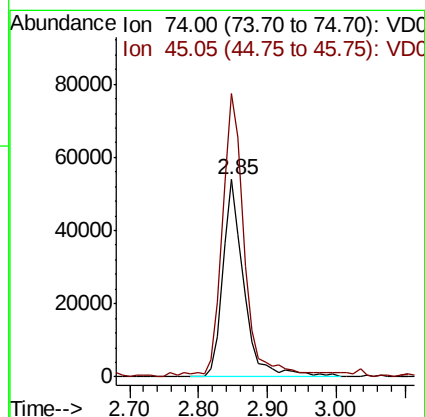
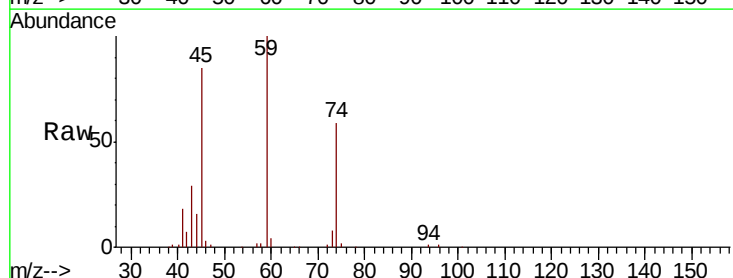
Tot Ion:101 Resp: 790012
Ion Ratio Lower Upper
101 100
103 67.2 51.8 77.8

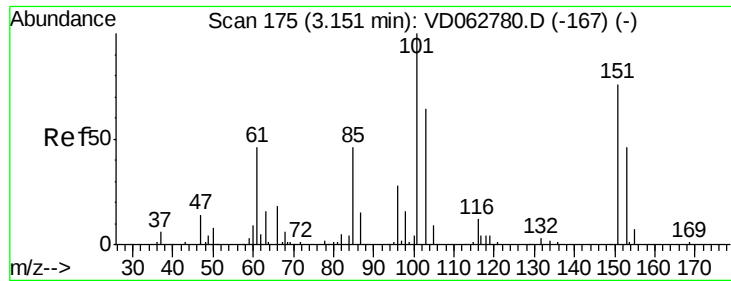


#8

Diethyl Ether
Concen: 60.009 ug/l
RT: 2.85 min Scan# 144
Delta R.T. -0.03 min
Lab File: VD062978.D
Acq: 28 Jun 2019 20:52

Tgt Ion: 74 Resp: 113646
Ion Ratio Lower Upper
74 100
45 143.4 70.2 210.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.685 ug/l

RT: 3.11 min Scan# 171

Delta R.T. -0.04 min

Lab File: VD062978.D

Acq: 28 Jun 2019 20:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

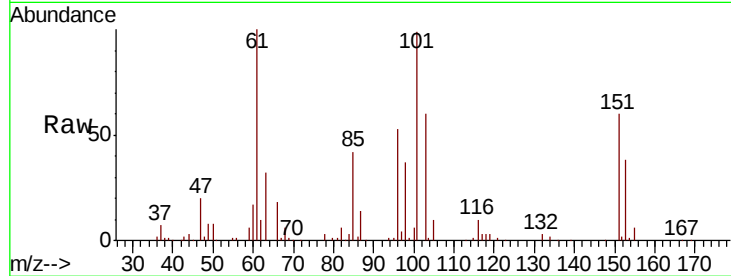
Tot Ion:101 Resp: 409279

Ion Ratio Lower Upper

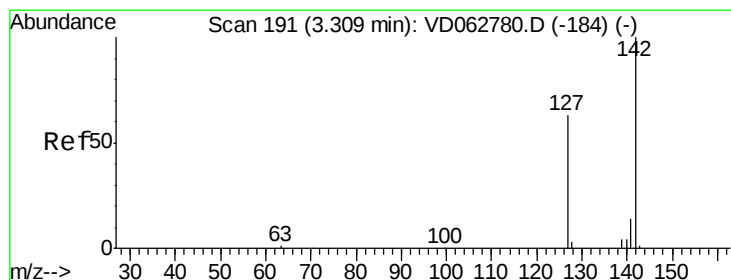
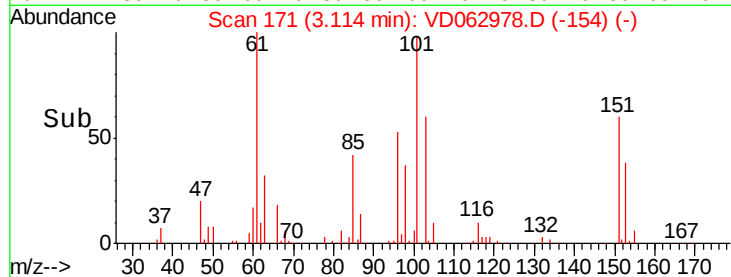
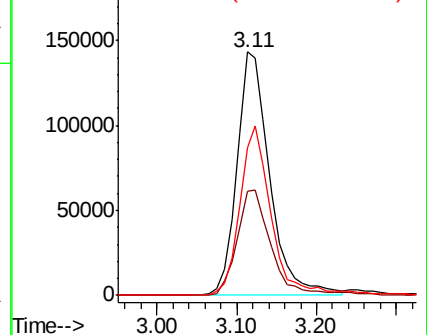
101 100

85 42.6 37.0 55.4

151 60.4 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: 48.833 ug/l

RT: 3.27 min Scan# 187

Delta R.T. -0.04 min

Lab File: VD062978.D

Acq: 28 Jun 2019 20:52

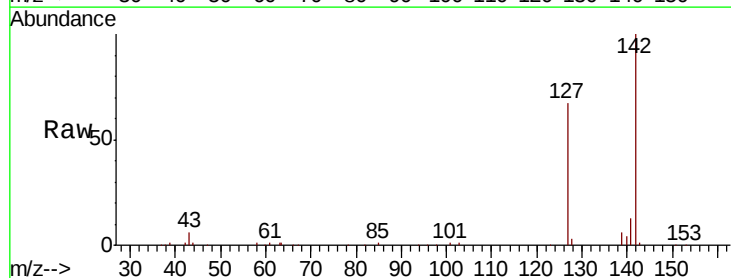
Tgt Ion:142 Resp: 520225

Ion Ratio Lower Upper

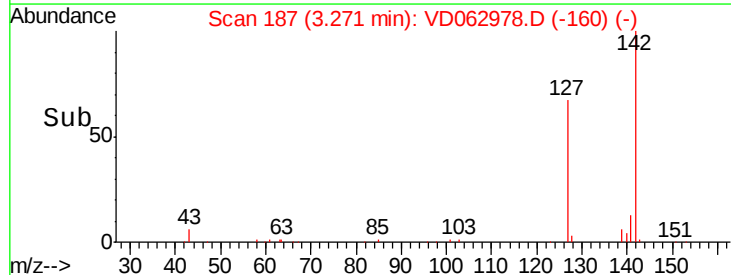
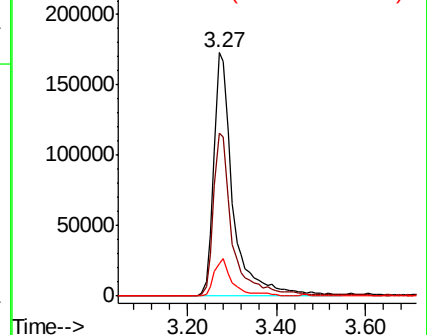
142 100

127 67.1 50.1 75.1

141 13.1 11.0 16.4



Abundance Ion 141.85 (141.55 to 142.55): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.85 (140.55 to 141.55): V



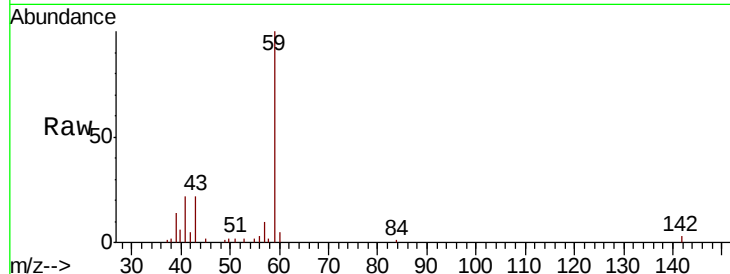


#11

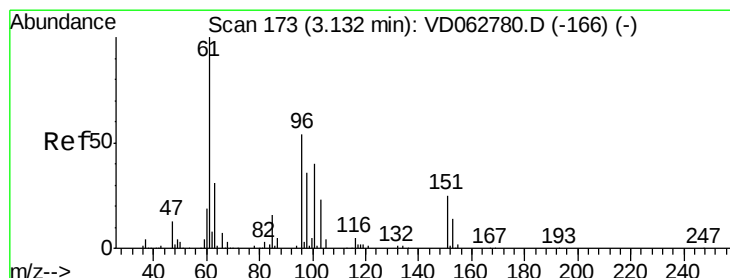
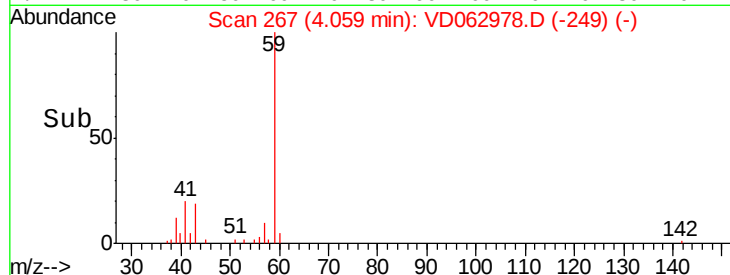
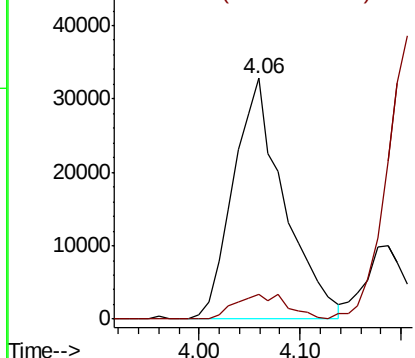
Tert butyl alcohol
 Concen: 303.649 ug/l
 RT: 4.06 min Scan# 267
 Delta R.T. -0.03 min
 Lab File: VD062978.D
 Acq: 28 Jun 2019 20:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 59 Resp: 114739
 Ion Ratio Lower Upper
 59 100
 57 10.4 6.6 10.0#



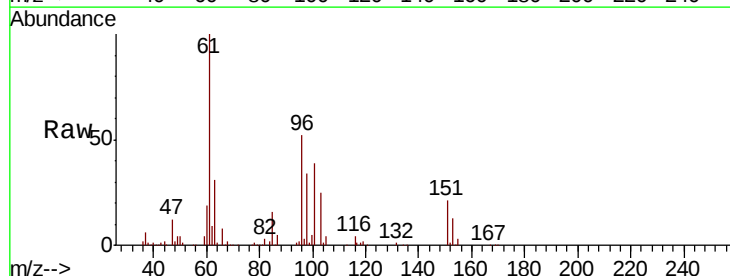
Abundance Ion 58.95 (58.65 to 59.65): VDC
 Ion 56.95 (56.65 to 57.65): VDC



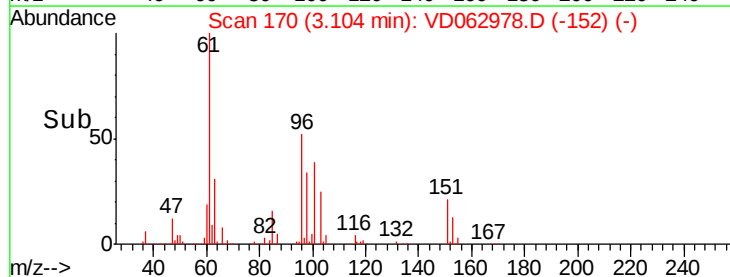
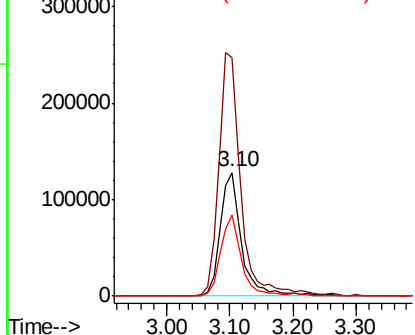
#12

1,1-Dichloroethene
 Concen: 50.301 ug/l
 RT: 3.10 min Scan# 170
 Delta R.T. -0.03 min
 Lab File: VD062978.D
 Acq: 28 Jun 2019 20:52

Tgt Ion: 96 Resp: 304702
 Ion Ratio Lower Upper
 96 100
 61 192.8 147.1 220.7
 98 66.0 52.6 79.0



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

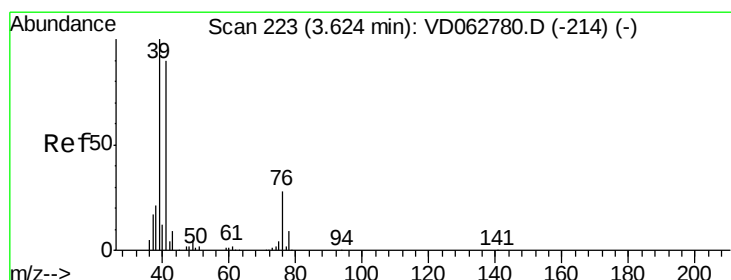
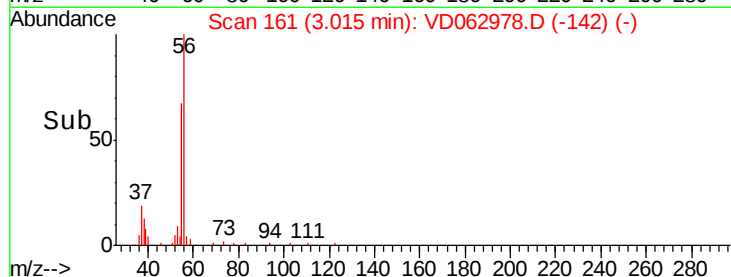
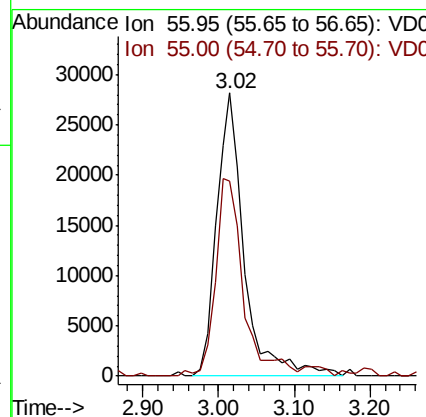
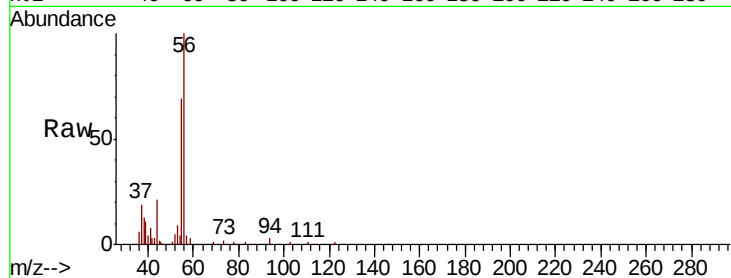




#13
Acrolein
Concen: 185.318 ug/l
RT: 3.02 min Scan# 161
Delta R.T. -0.02 min
Lab File: VD062978.D
Acq: 28 Jun 2019 20:52

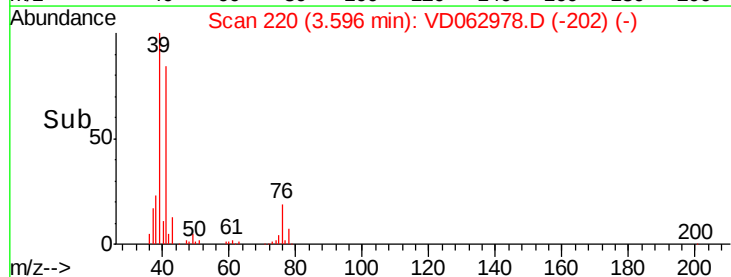
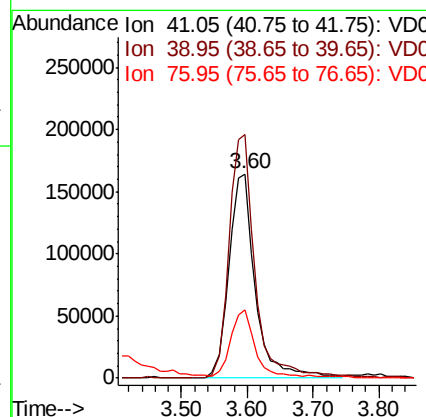
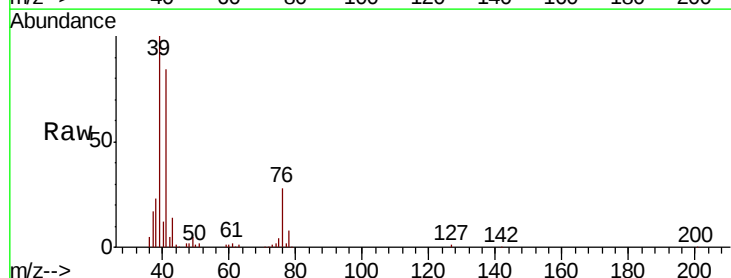
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

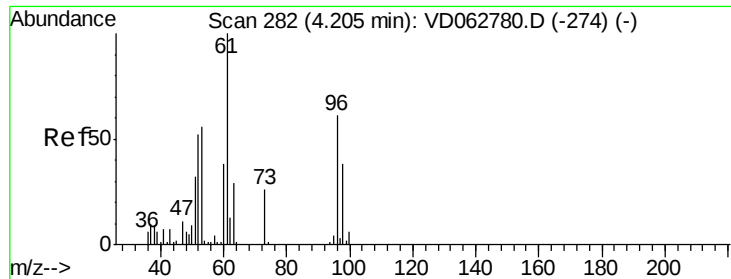
Tot Ion: 56 Resp: 71488
Ion Ratio Lower Upper
56 100
55 68.8 55.4 83.0



#14
Allyl chloride
Concen: 51.465 ug/l
RT: 3.60 min Scan# 220
Delta R.T. -0.03 min
Lab File: VD062978.D
Acq: 28 Jun 2019 20:52

Tgt Ion: 41 Resp: 460647
Ion Ratio Lower Upper
41 100
39 119.4 88.8 133.2
76 33.6 26.7 40.1





#15

Acrylonitrile

Concen: 290.450 ug/l

RT: 4.18 min Scan# 279

Delta R.T. -0.03 min

Lab File: VD062978.D

Acq: 28 Jun 2019 20:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

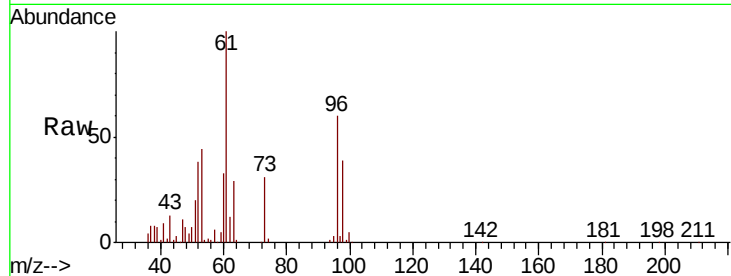
Tot Ion: 53 Resp: 257887

Ion Ratio Lower Upper

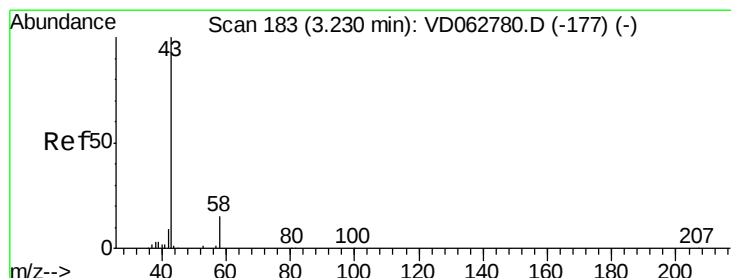
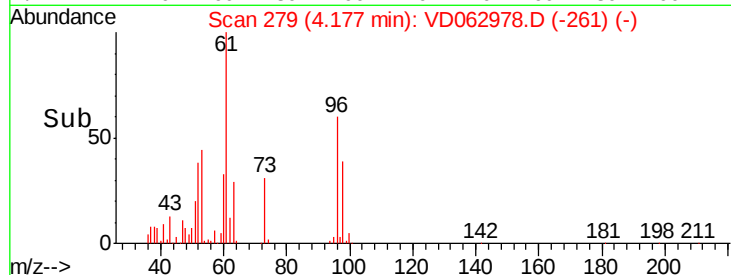
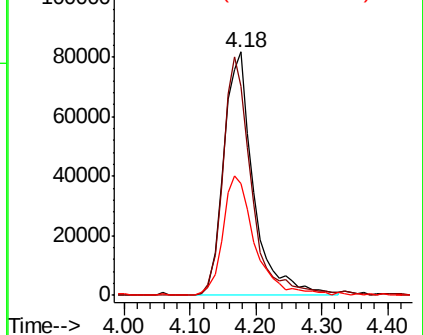
53 100

52 85.7 73.3 109.9

51 45.8 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: 288.160 ug/l

RT: 3.20 min Scan# 180

Delta R.T. -0.03 min

Lab File: VD062978.D

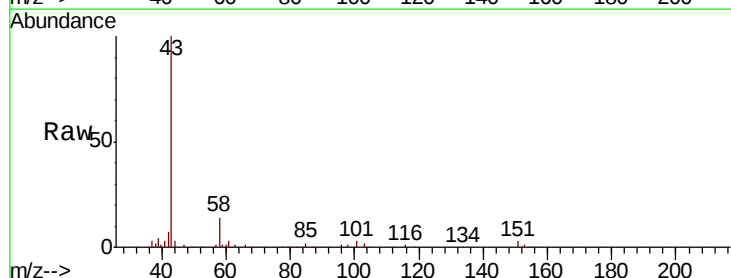
Acq: 28 Jun 2019 20:52

Tgt Ion: 43 Resp: 483028

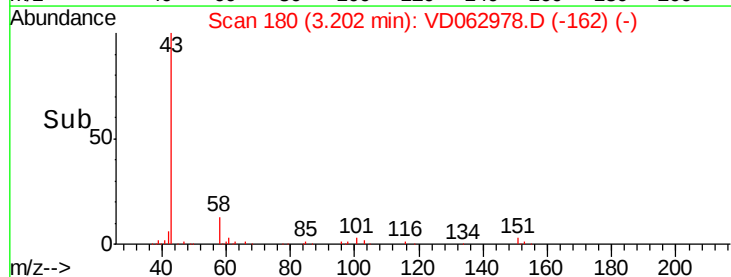
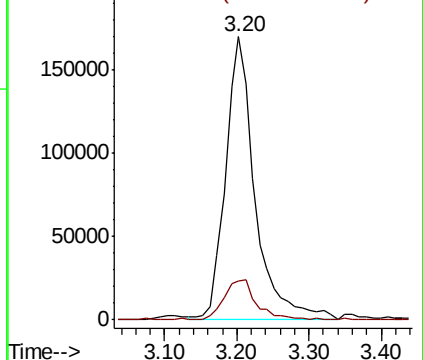
Ion Ratio Lower Upper

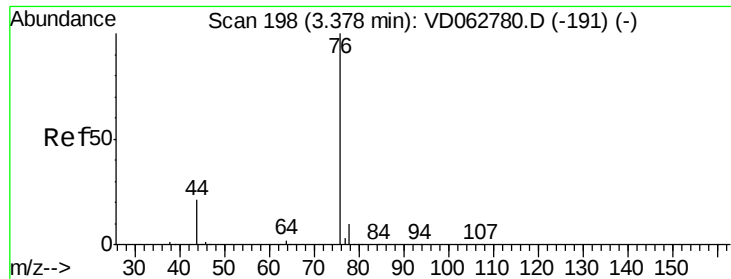
43 100

58 13.7 11.9 17.9



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

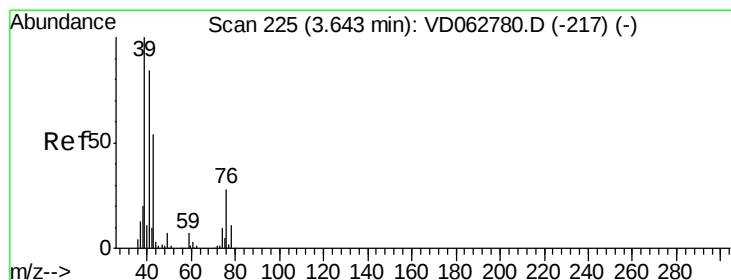
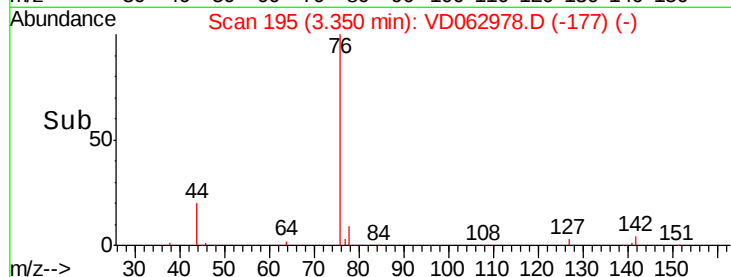
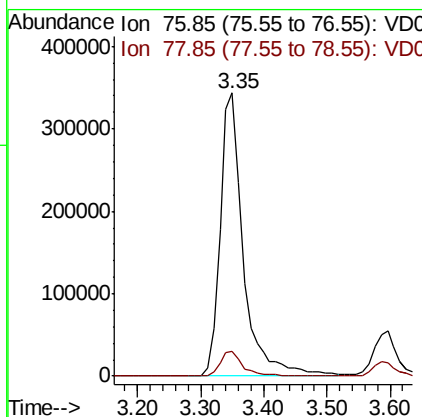
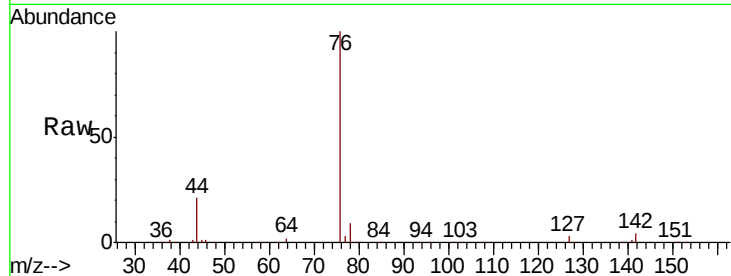




#17
Carbon Disulfide
Concen: 45.527 ug/l
RT: 3.35 min Scan# 195
Delta R.T. -0.03 min
Lab File: VD062978.D
Acq: 28 Jun 2019 20:52

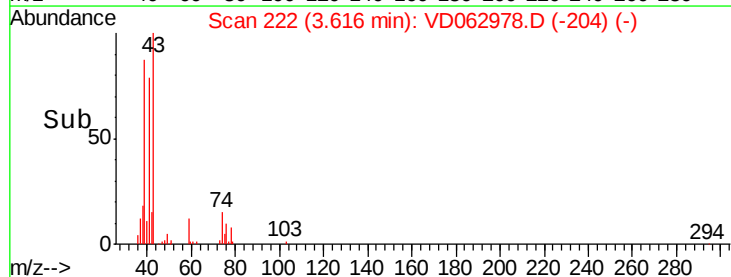
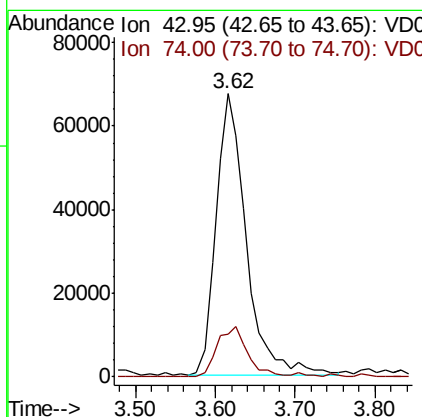
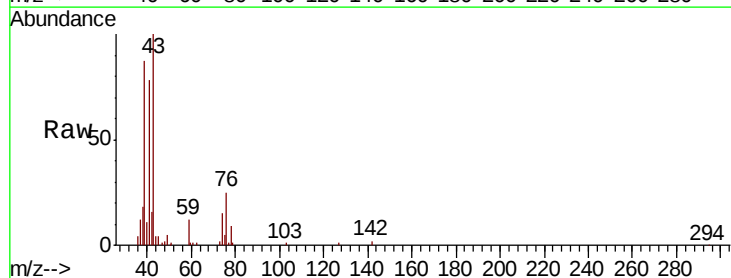
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

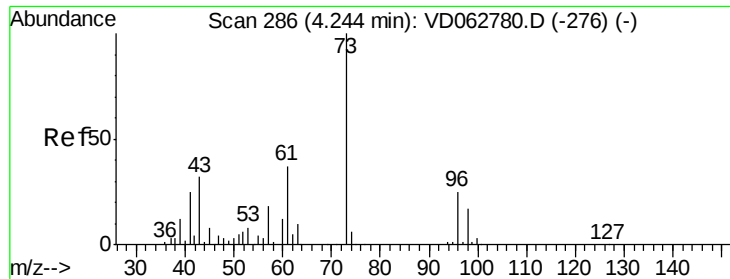
Tot Ion: 76 Resp: 881398
Ion Ratio Lower Upper
76 100
78 8.7 8.0 12.0



#18
Methyl Acetate
Concen: 71.502 ug/l
RT: 3.62 min Scan# 222
Delta R.T. -0.03 min
Lab File: VD062978.D
Acq: 28 Jun 2019 20:52

Tgt Ion: 43 Resp: 179081
Ion Ratio Lower Upper
43 100
74 15.2 15.2 22.8#



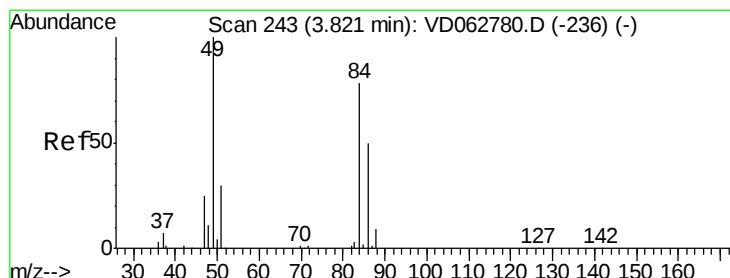
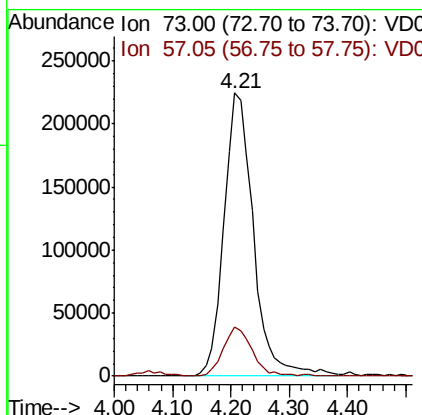
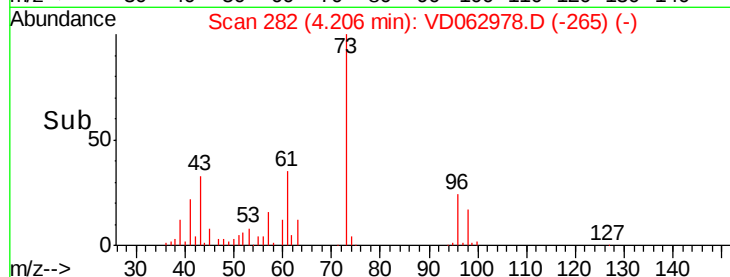
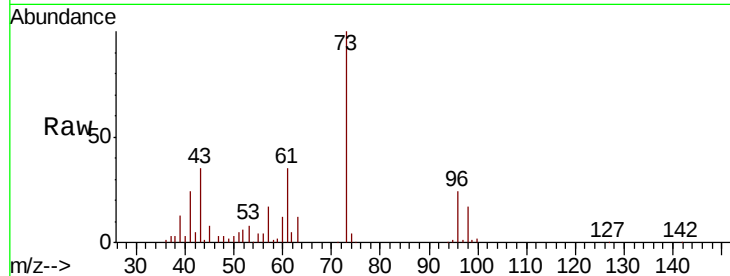


#19

Methyl tert-butyl Ether
 Concen: 60.133 ug/l
 RT: 4.21 min Scan# 282
 Delta R.T. -0.04 min
 Lab File: VD062978.D
 Acq: 28 Jun 2019 20:52

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050EC

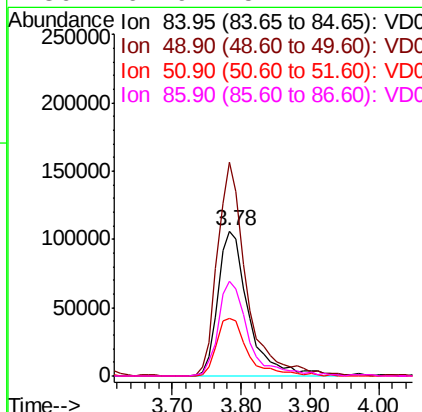
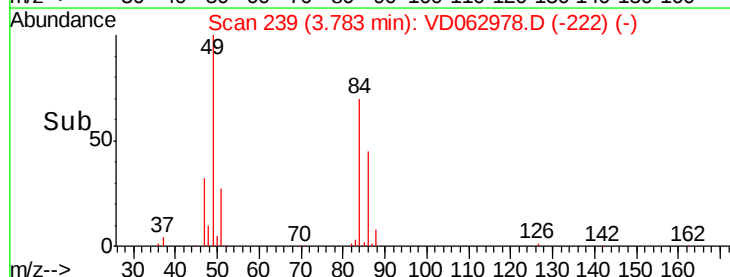
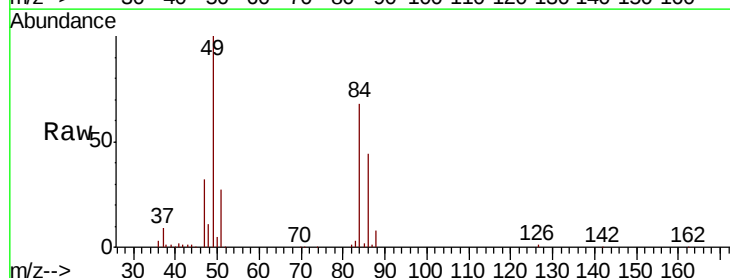
Tot Ion: 73 Resp: 788555
 Ion Ratio Lower Upper
 73 100
 57 17.2 14.3 21.5

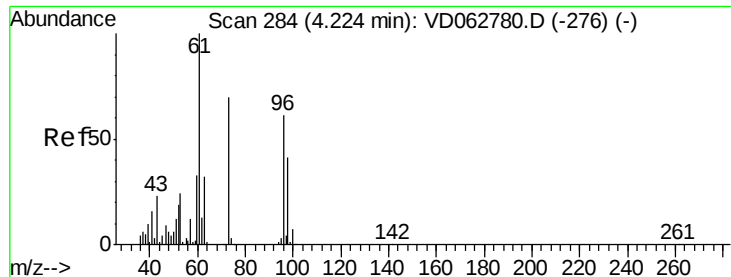


#20

Methylene Chloride
 Concen: 51.509 ug/l
 RT: 3.78 min Scan# 239
 Delta R.T. -0.04 min
 Lab File: VD062978.D
 Acq: 28 Jun 2019 20:52

Tgt Ion: 84 Resp: 325916
 Ion Ratio Lower Upper
 84 100
 49 147.0 102.9 154.3
 51 39.4 31.2 46.8
 86 64.9 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 52.801 ug/l

RT: 4.19 min Scan# 280

Delta R.T. -0.04 min

Lab File: VD062978.D

Acq: 28 Jun 2019 20:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

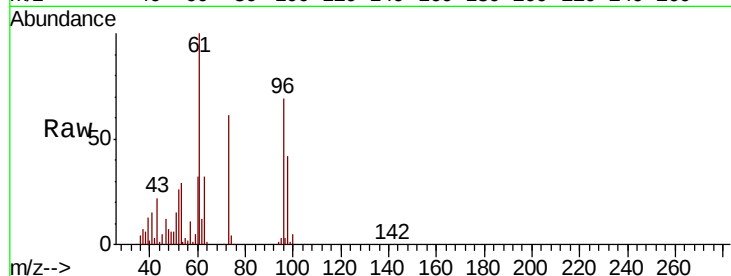
Tot Ion: 96 Resp: 340566

Ion Ratio Lower Upper

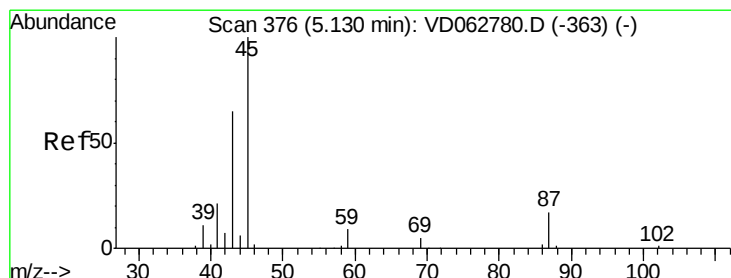
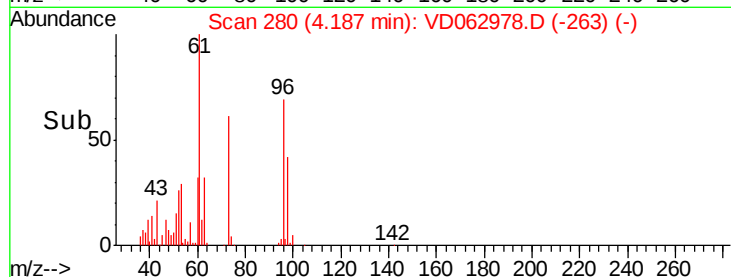
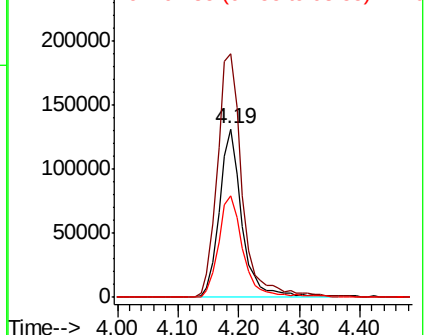
96 100

61 144.7 131.0 196.4

98 60.6 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: 57.058 ug/l

RT: 5.08 min Scan# 371

Delta R.T. -0.05 min

Lab File: VD062978.D

Acq: 28 Jun 2019 20:52

Tgt Ion: 45 Resp: 1038609

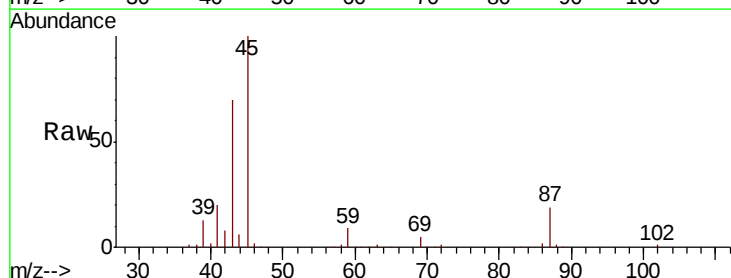
Ion Ratio Lower Upper

45 100

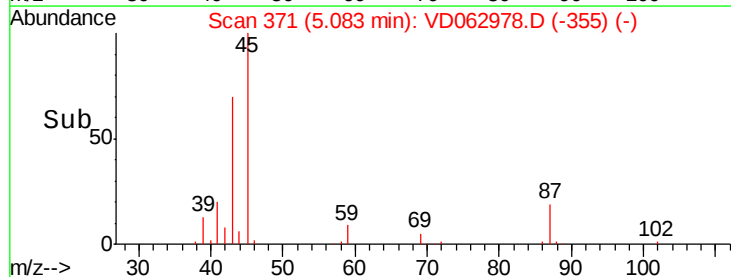
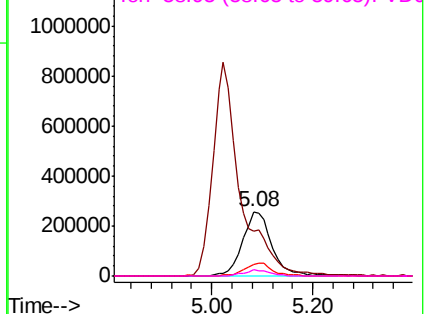
43 70.4 53.4 80.0

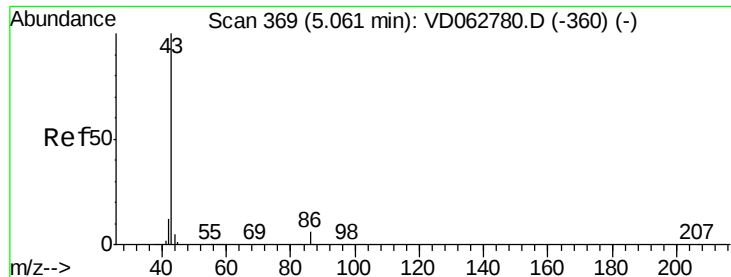
87 18.6 14.6 22.0

59 9.4 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: 286.384 ug/l

RT: 5.02 min Scan# 365

Delta R.T. -0.04 min

Lab File: VD062978.D

Acq: 28 Jun 2019 20:52

Instrument :

MSVOA_D

ClientSampleId :

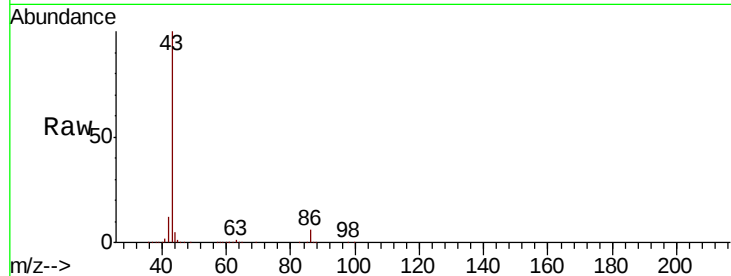
VSTDCCC050EC

Tot Ion: 43 Resp: 3261967

Ion Ratio Lower Upper

43 100

86 5.8 4.7 7.1



Abundance Ion 42.95 (42.65 to 43.65): VD062780.D (-360) (-)

Ion 86.00 (85.70 to 86.70): VD062780.D (-360) (-)

5.02

800000

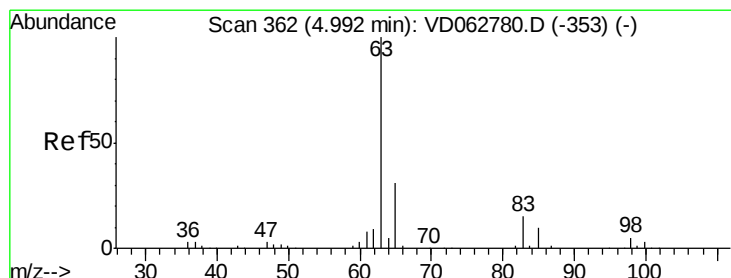
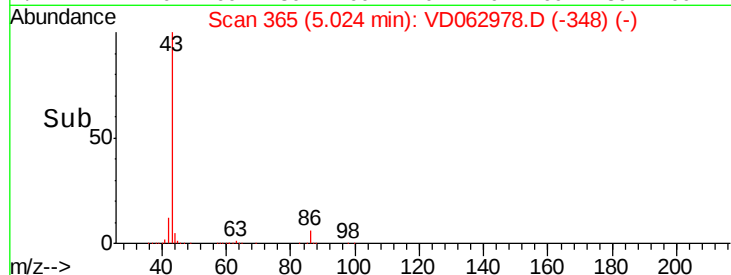
600000

400000

200000

0

Time--> 4.80 5.00 5.20



#24

1,1-Dichloroethane

Concen: 53.827 ug/l

RT: 4.94 min Scan# 357

Delta R.T. -0.05 min

Lab File: VD062978.D

Acq: 28 Jun 2019 20:52

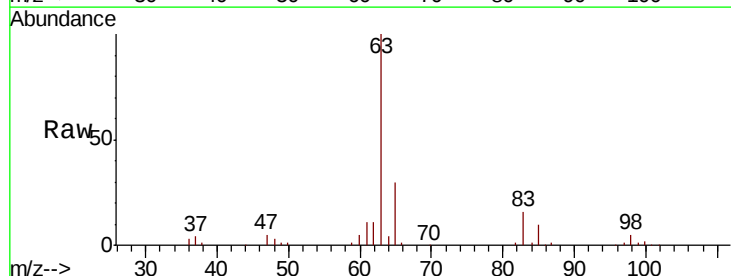
Tgt Ion: 63 Resp: 637922

Ion Ratio Lower Upper

63 100

98 5.3 2.3 6.9

100 2.6 1.7 5.1



Abundance Ion 62.95 (62.65 to 63.65): VD062978.D (-341) (-)

Ion 97.95 (97.65 to 98.65): VD062978.D (-341) (-)

Ion 99.95 (99.65 to 100.65): VD062978.D (-341) (-)

4.94

200000

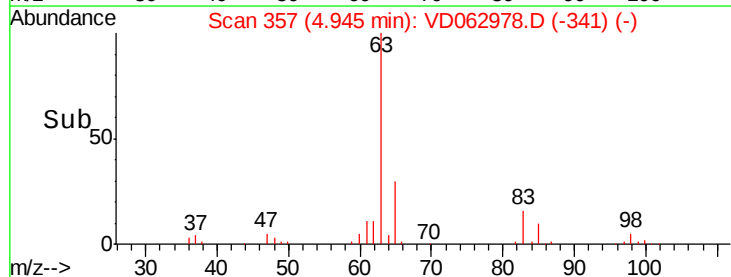
150000

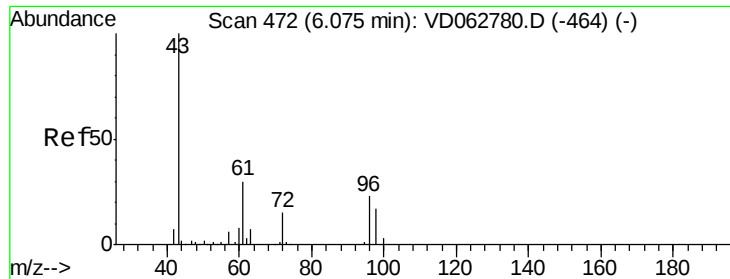
100000

50000

0

Time--> 4.80 4.90 5.00 5.10 5.20





#25

2-Butanone

Concen: 322.543 ug/l

RT: 6.05 min Scan# 469

Delta R.T. -0.03 min

Lab File: VD062978.D

Acq: 28 Jun 2019 20:52

Instrument :

MSVOA_D

ClientSampleId :

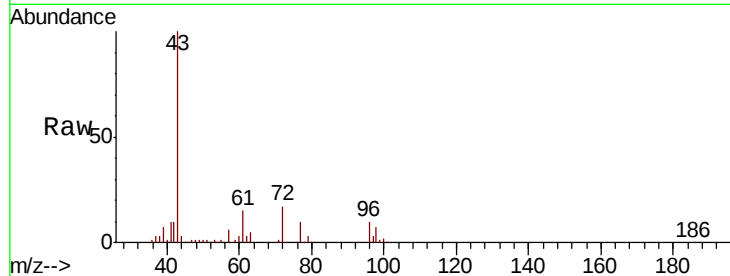
VSTDCCC050EC

Tot Ion: 43 Resp: 500498

Ion Ratio Lower Upper

43 100

72 17.2 11.9 17.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

6.05

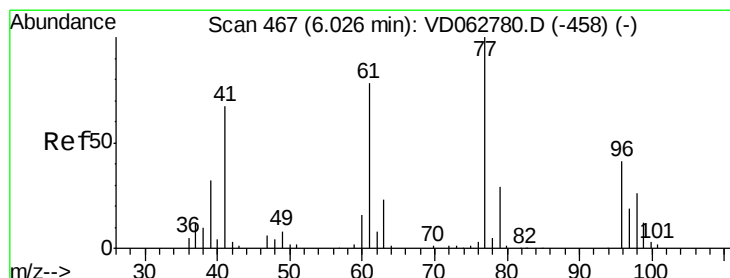
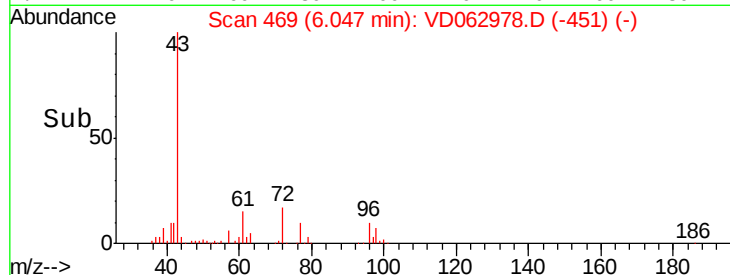
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 50.799 ug/l

RT: 5.99 min Scan# 463

Delta R.T. -0.04 min

Lab File: VD062978.D

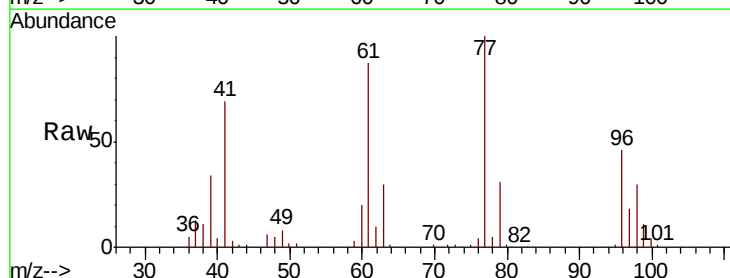
Acq: 28 Jun 2019 20:52

Tgt Ion: 77 Resp: 638127

Ion Ratio Lower Upper

77 100

97 18.4 9.5 28.5



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

5.99

200000

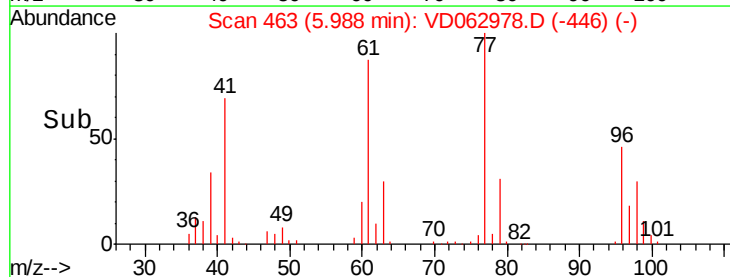
150000

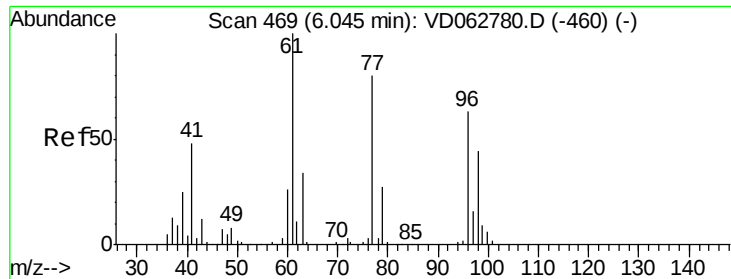
100000

50000

0

Time-->



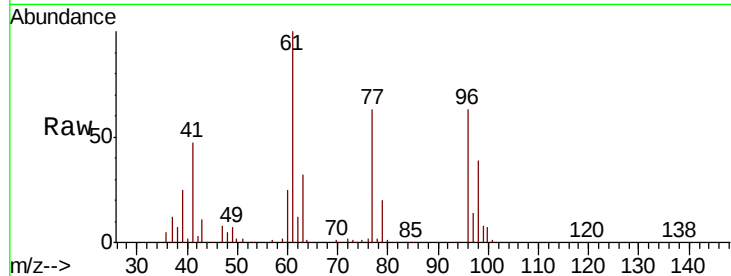


#27

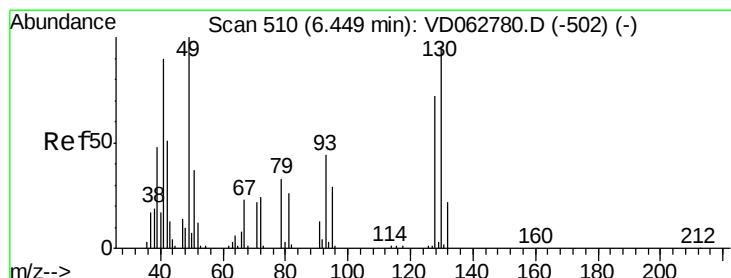
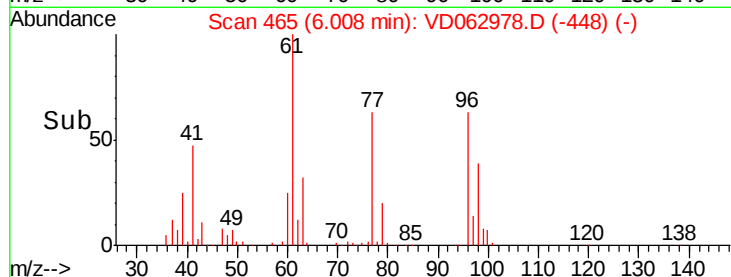
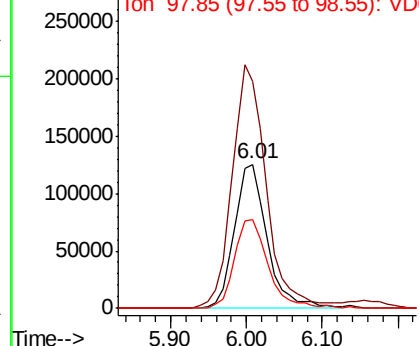
cis-1,2-Dichloroethene
 Concen: 54.883 ug/l
 RT: 6.01 min Scan# 465
 Delta R.T. -0.04 min
 Lab File: VD062978.D
 Acq: 28 Jun 2019 20:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 96 Resp: 374343
 Ion Ratio Lower Upper
 96 100
 61 158.2 0.0 316.0
 98 62.1 0.0 138.4



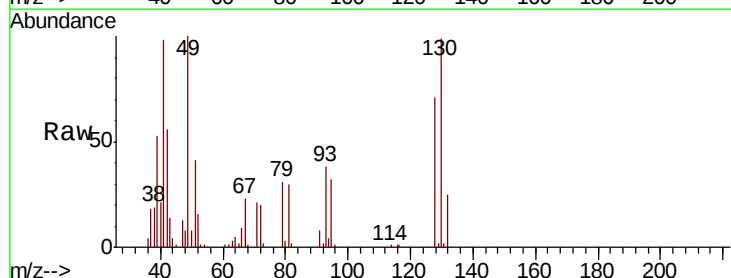
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



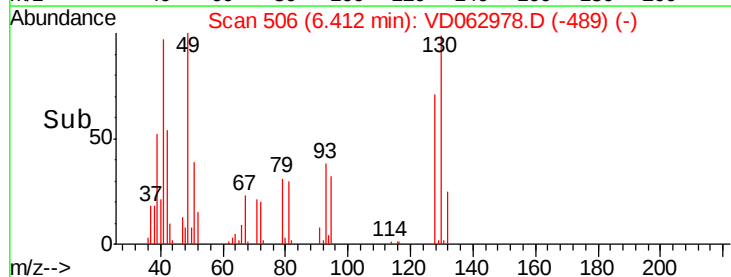
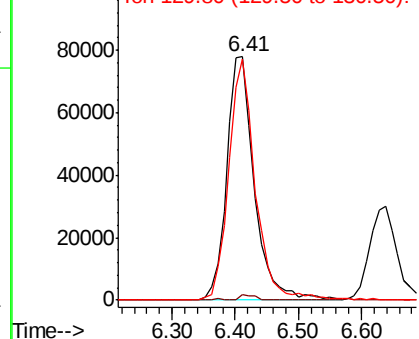
#28

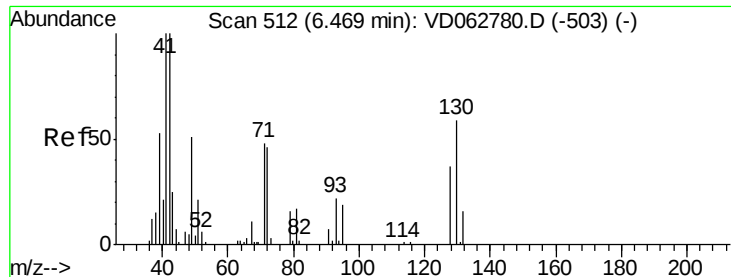
Bromochloromethane
 Concen: 56.447 ug/l
 RT: 6.41 min Scan# 506
 Delta R.T. -0.04 min
 Lab File: VD062978.D
 Acq: 28 Jun 2019 20:52

Tgt Ion: 49 Resp: 235612
 Ion Ratio Lower Upper
 49 100
 129 2.4 0.0 5.6
 130 98.8 76.6 114.8



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

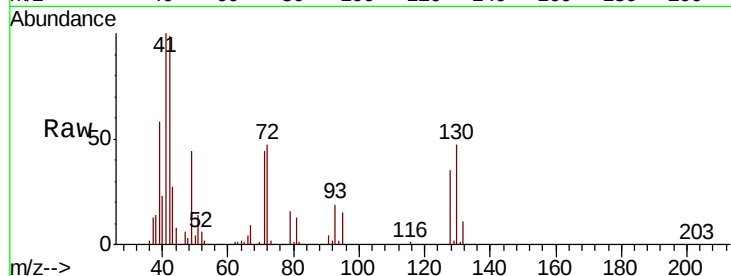




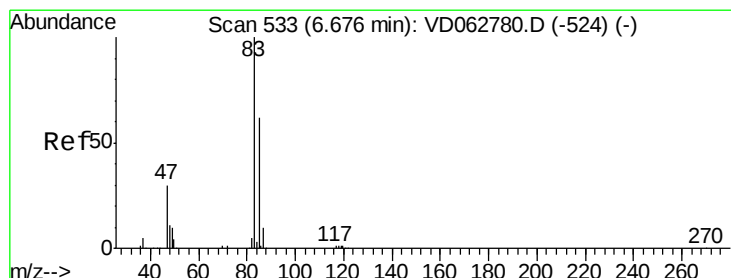
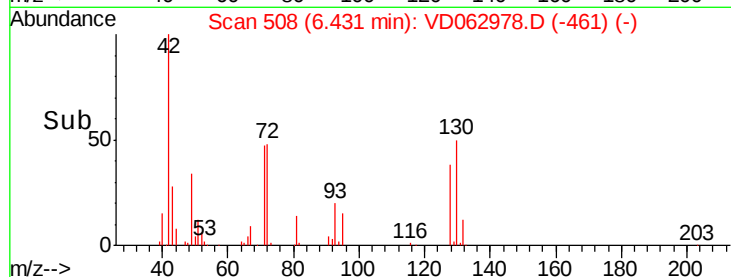
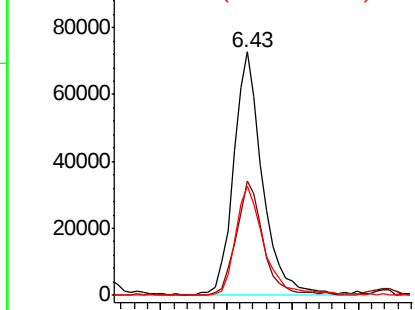
#29
Tetrahydrofuran
Concen: 304.405 ug/l
RT: 6.43 min Scan# 508
Delta R.T. -0.04 min
Lab File: VD062978.D
Acq: 28 Jun 2019 20:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 42 Resp: 223488
Ion Ratio Lower Upper
42 100
72 44.1 35.0 52.6
71 44.5 33.3 49.9

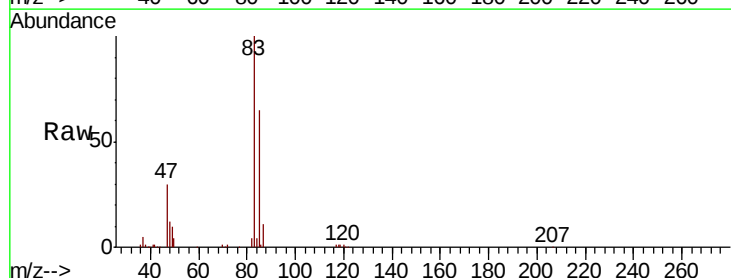


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

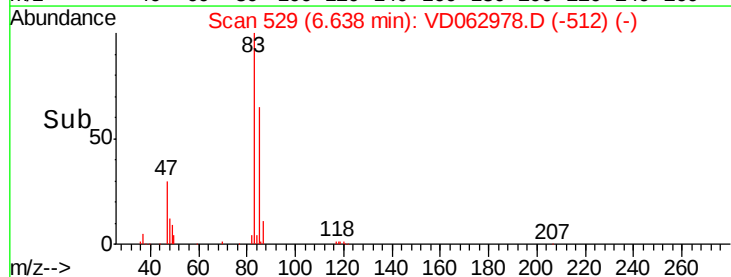
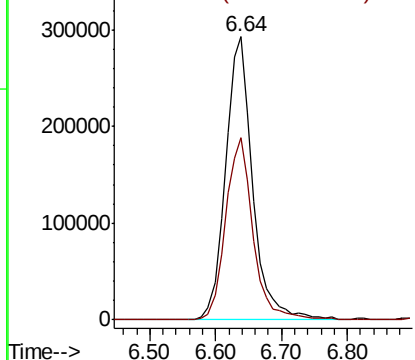


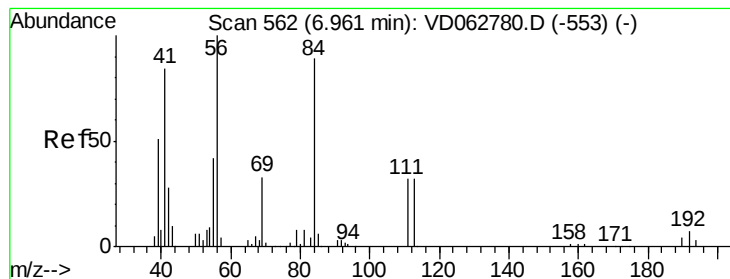
#30
Chloroform
Concen: 58.343 ug/l
RT: 6.64 min Scan# 529
Delta R.T. -0.04 min
Lab File: VD062978.D
Acq: 28 Jun 2019 20:52

Tgt Ion: 83 Resp: 840901
Ion Ratio Lower Upper
83 100
85 64.6 49.8 74.6



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





#31

Cyclohexane

Concen: 48.171 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.04 min

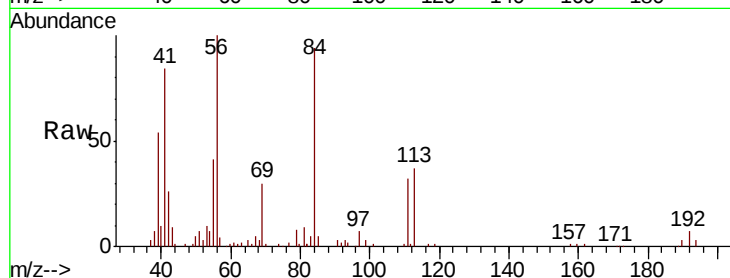
Lab File: VD062978.D

Acq: 28 Jun 2019 20:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 56 Resp: 375305

Ion	Ratio	Lower	Upper
56	100		
69	30.2	26.6	39.8
84	93.7	75.5	113.3

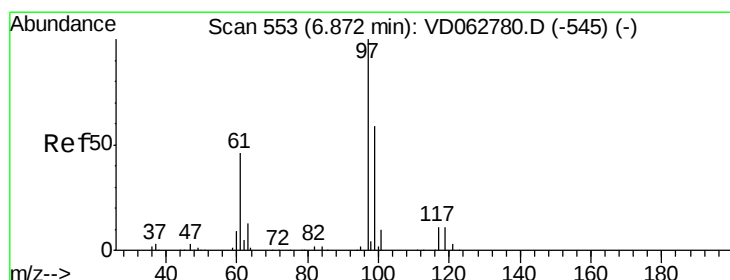
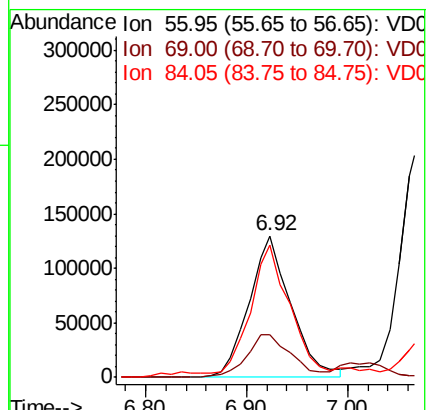
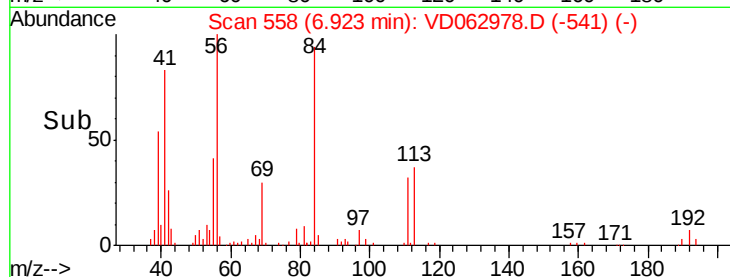


Abundance

Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC



#32

1,1,1-Trichloroethane

Concen: 56.684 ug/l

RT: 6.84 min Scan# 550

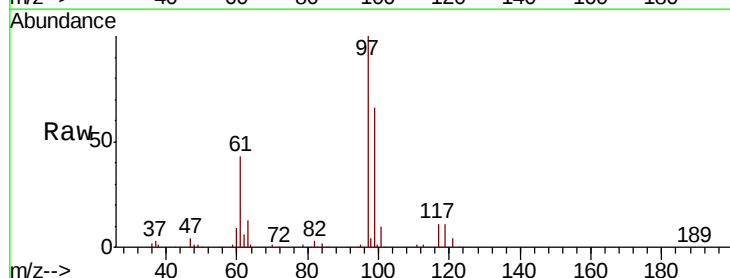
Delta R.T. -0.03 min

Lab File: VD062978.D

Acq: 28 Jun 2019 20:52

Tgt Ion: 97 Resp: 850955

Ion	Ratio	Lower	Upper
97	100		
99	65.8	47.4	71.2
61	43.2	37.2	55.8

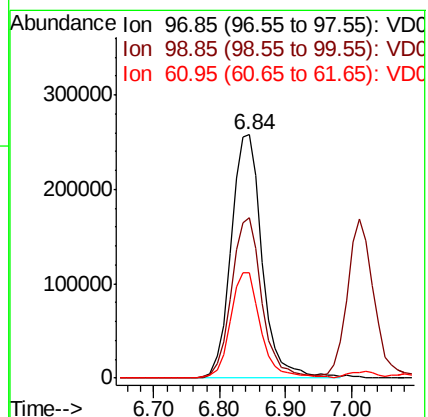
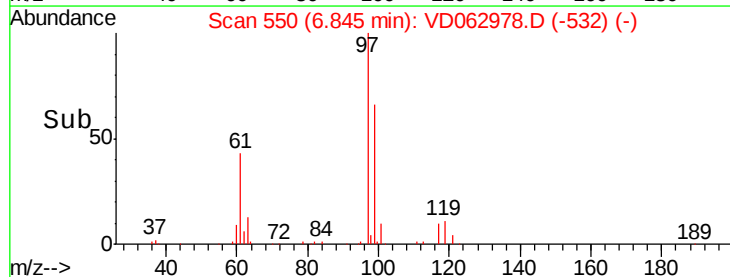


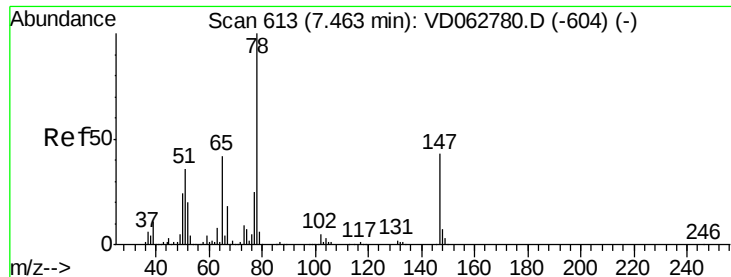
Abundance

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: 52.348 ug/l

RT: 7.43 min Scan# 609

Delta R.T. -0.04 min

Lab File: VD062978.D

Acq: 28 Jun 2019 20:52

Instrument :

MSVOA_D

ClientSampleId :

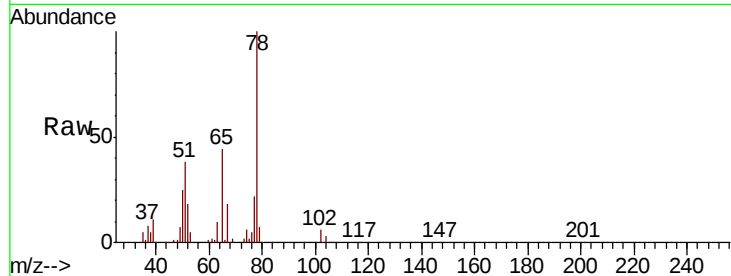
VSTDCCC050EC

Tot Ion: 65 Resp: 434314

Ion Ratio Lower Upper

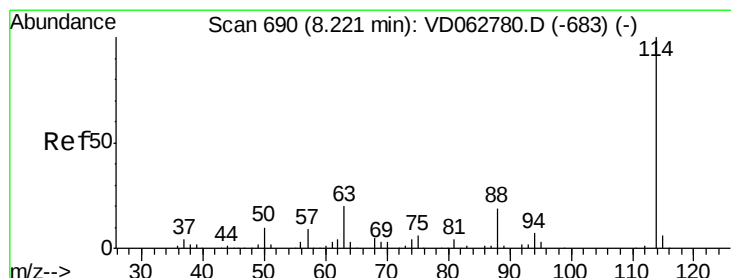
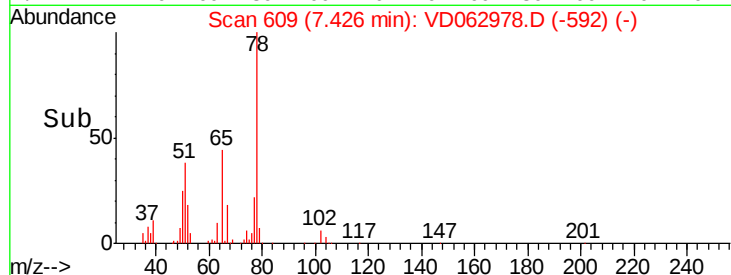
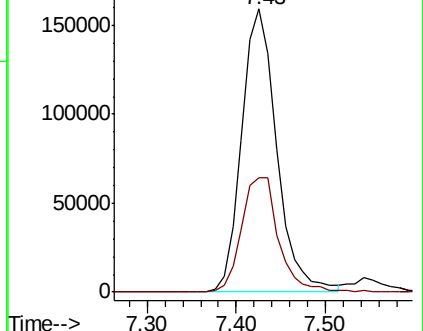
65 100

67 40.5 0.0 87.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.19 min Scan# 687

Delta R.T. -0.03 min

Lab File: VD062978.D

Acq: 28 Jun 2019 20:52

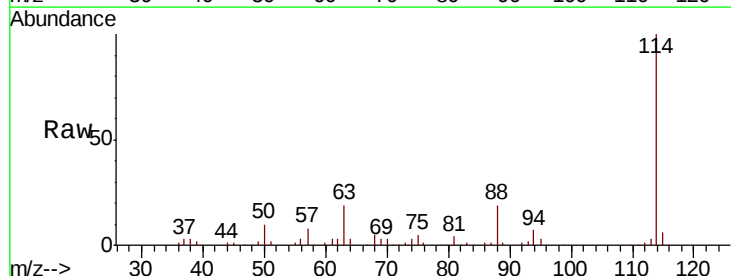
Tgt Ion: 114 Resp: 1050545

Ion Ratio Lower Upper

114 100

63 18.6 0.0 40.0

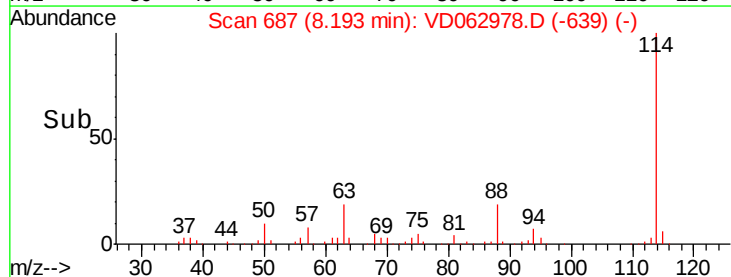
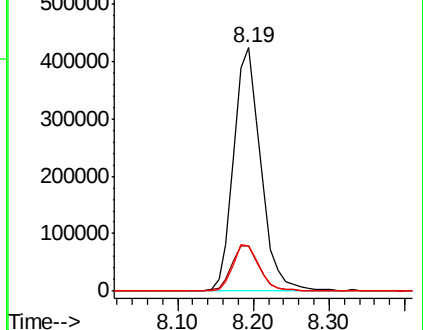
88 18.7 0.0 38.8

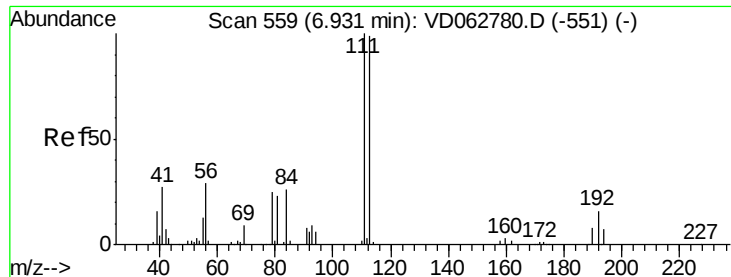


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

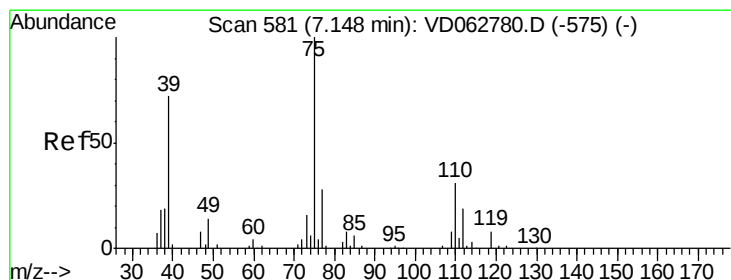
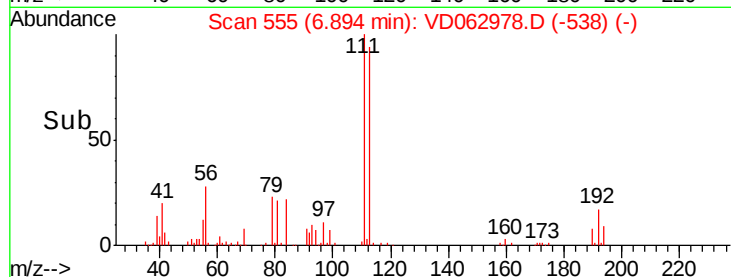
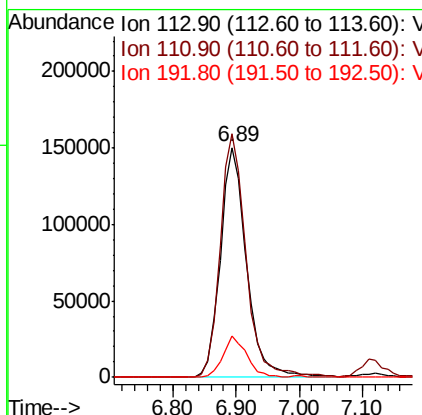
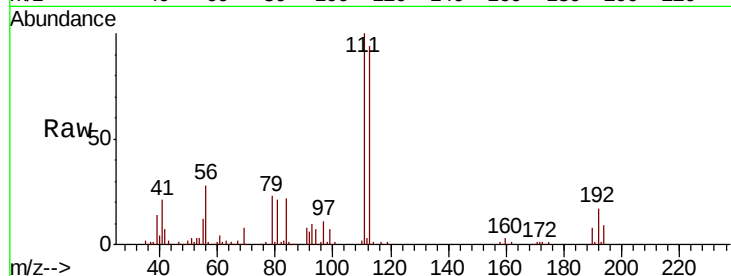




#35
 Dibromofluoromethane
 Concen: 48.921 ug/l
 RT: 6.89 min Scan# 555
 Delta R.T. -0.04 min
 Lab File: VD062978.D
 Acq: 28 Jun 2019 20:52

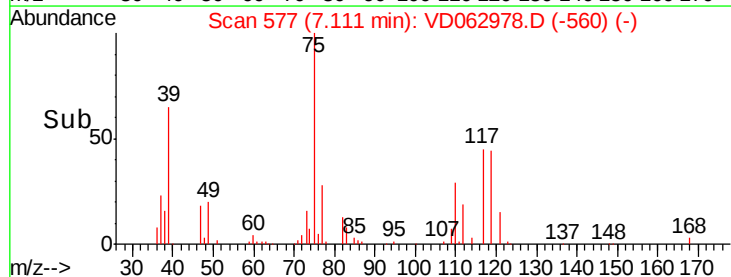
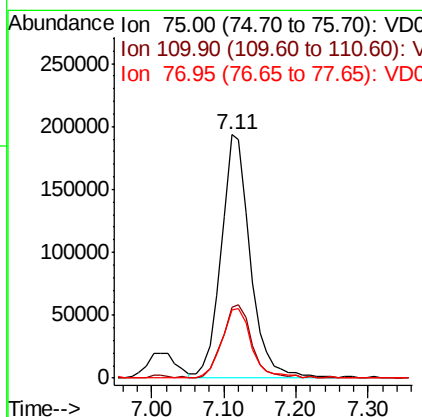
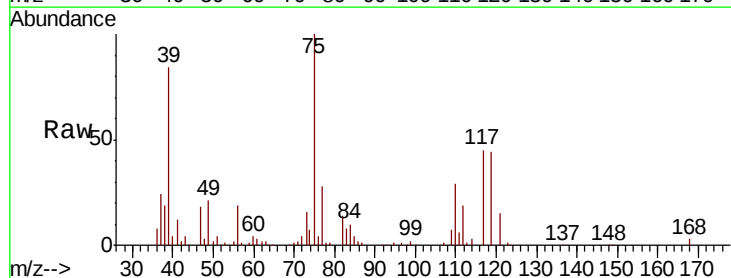
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

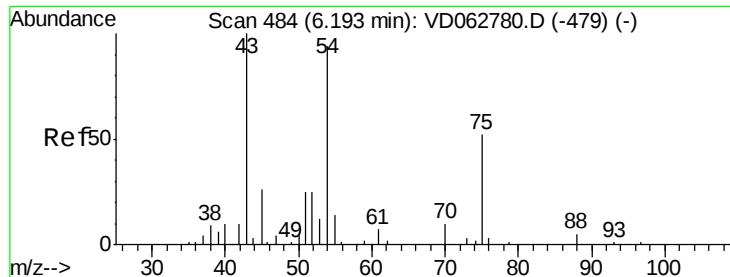
Tot Ion:113 Resp: 433349
 Ion Ratio Lower Upper
 113 100
 111 105.9 81.2 121.8
 192 18.1 12.9 19.3



#36
 1,1-Dichloropropene
 Concen: 53.629 ug/l
 RT: 7.11 min Scan# 577
 Delta R.T. -0.04 min
 Lab File: VD062978.D
 Acq: 28 Jun 2019 20:52

Tgt Ion: 75 Resp: 533338
 Ion Ratio Lower Upper
 75 100
 110 29.2 15.0 45.1
 77 28.3 22.2 33.2





#37

Ethyl Acetate

Concen: 57.457 ug/l

RT: 6.16 min Scan# 480

Delta R.T. -0.04 min

Lab File: VD062978.D

Acq: 28 Jun 2019 20:52

Instrument :

MSVOA_D

ClientSampleID :

VSTDCCC050EC

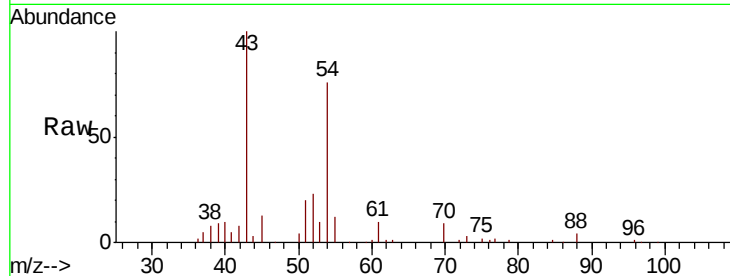
Tot Ion: 43 Resp: 239343

Ion Ratio Lower Upper

43 100

61 10.2 11.6 17.4#

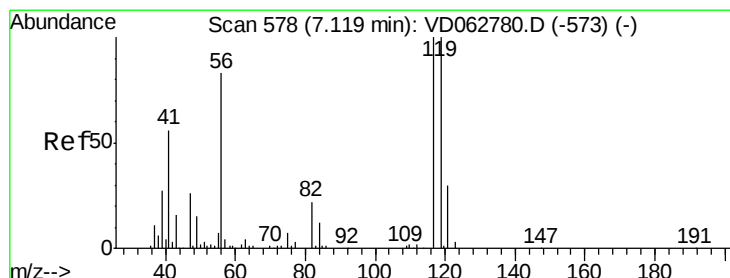
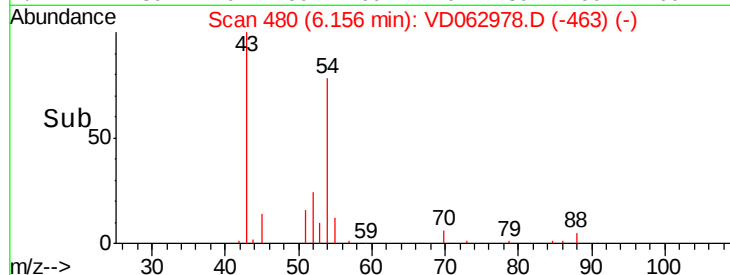
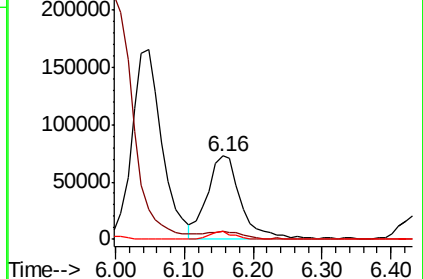
70 9.1 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VD062978.D (-463) (-)

Ion 60.95 (60.65 to 61.65): VD062978.D (-463) (-)

Ion 70.00 (69.70 to 70.70): VD062978.D (-463) (-)



#38

Carbon Tetrachloride

Concen: 59.522 ug/l

RT: 7.08 min Scan# 574

Delta R.T. -0.04 min

Lab File: VD062978.D

Acq: 28 Jun 2019 20:52

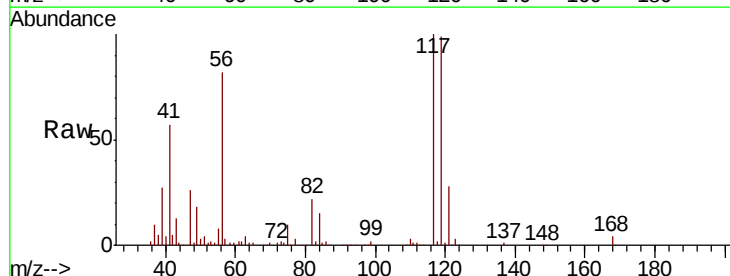
Tgt Ion: 117 Resp: 890255

Ion Ratio Lower Upper

117 100

119 98.7 75.4 113.2

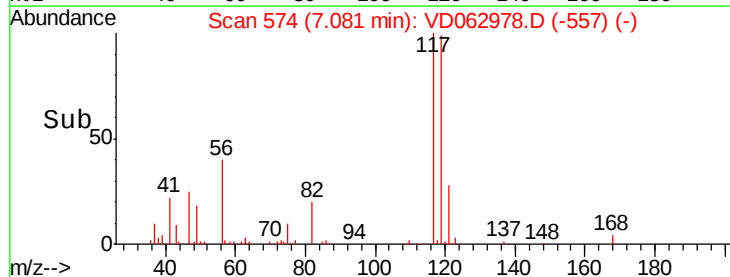
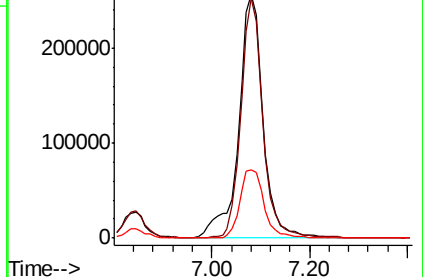
121 28.2 22.3 33.5

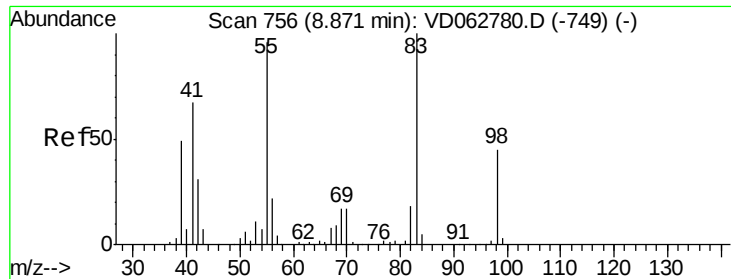


Abundance Ion 116.85 (116.55 to 117.55): VD062978.D (-557) (-)

Ion 118.85 (118.55 to 119.55): VD062978.D (-557) (-)

Ion 120.85 (120.55 to 121.55): VD062978.D (-557) (-)

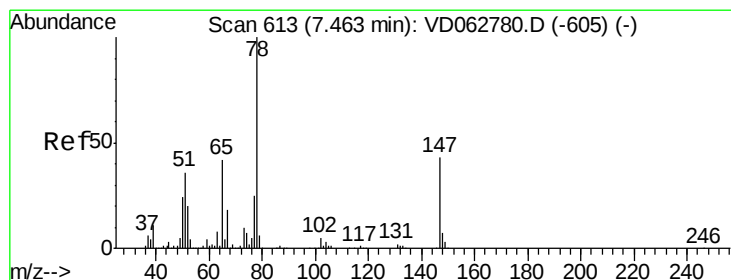
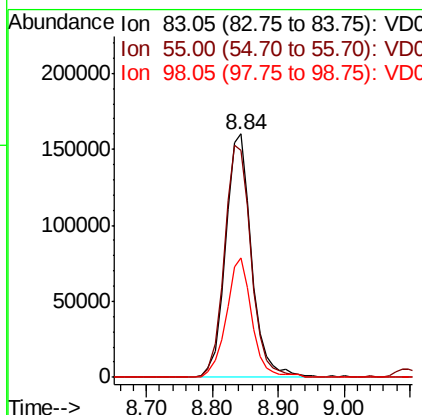
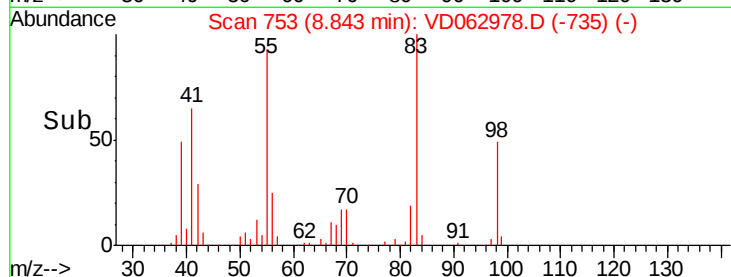
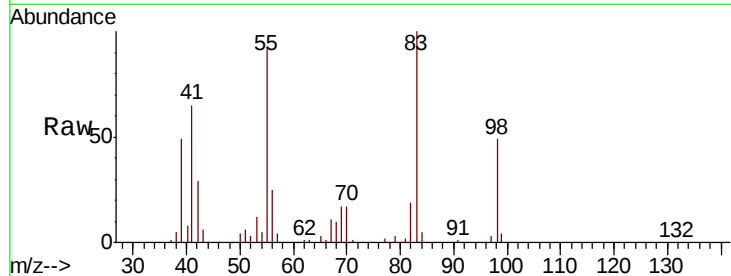




#39
Methvlcvclohexane
Concen: 50.392 ug/l
RT: 8.84 min Scan# 753
Delta R.T. -0.03 min
Lab File: VD062978.D
Acq: 28 Jun 2019 20:52

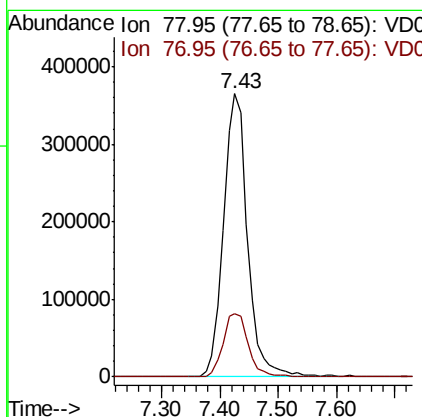
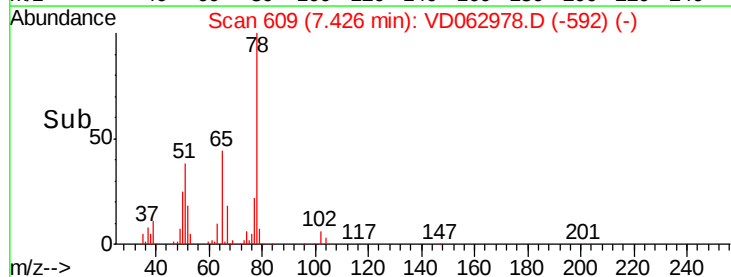
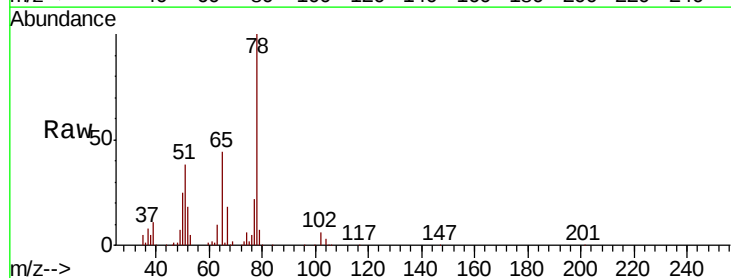
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

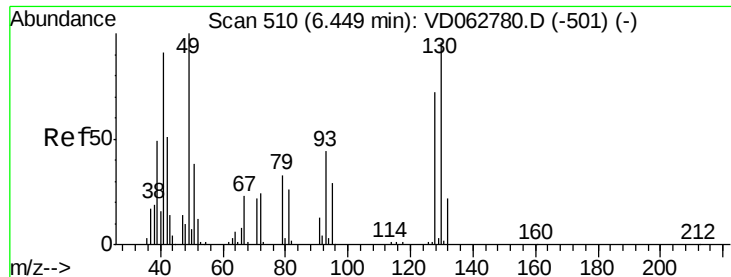
Tot Ion: 83 Resp: 441123
Ion Ratio Lower Upper
83 100
55 93.0 76.6 115.0
98 49.0 35.7 53.5



#40
Benzene
Concen: 52.211 ug/l
RT: 7.43 min Scan# 609
Delta R.T. -0.04 min
Lab File: VD062978.D
Acq: 28 Jun 2019 20:52

Tgt Ion: 78 Resp: 1042265
Ion Ratio Lower Upper
78 100
77 22.5 20.2 30.2

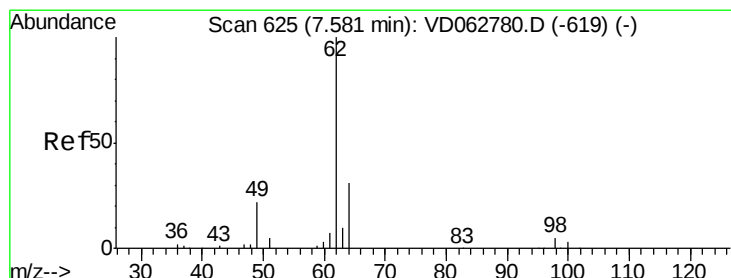
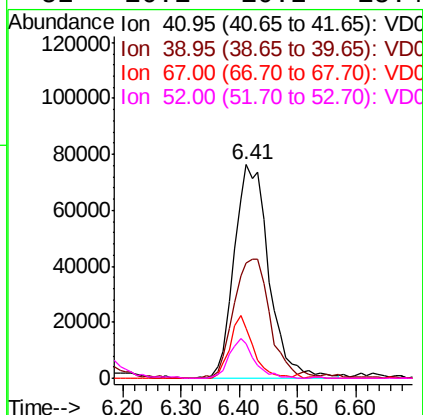
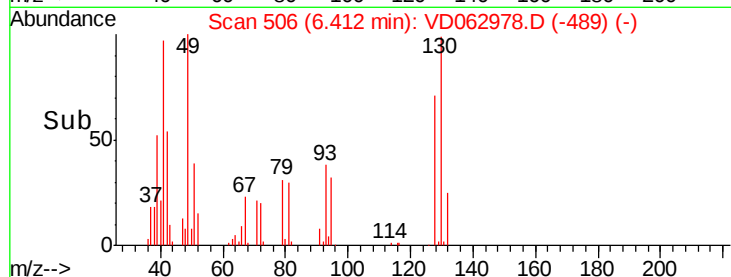
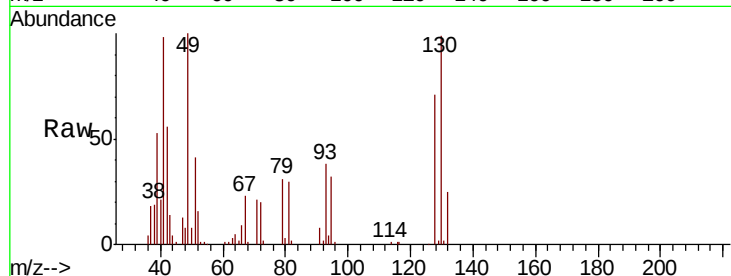




#41
Methacrylonitrile
Concen: 60.094 ug/l
RT: 6.41 min Scan# 506
Delta R.T. -0.04 min
Lab File: VD062978.D
Acq: 28 Jun 2019 20:52

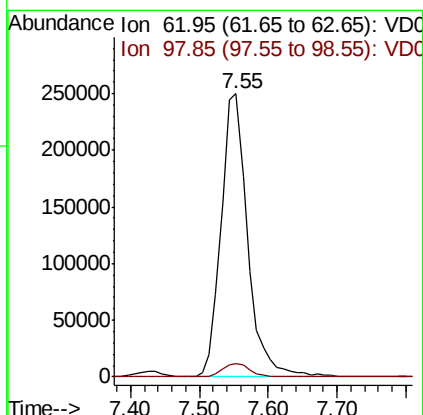
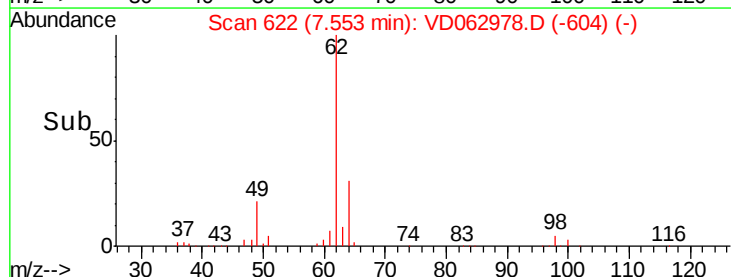
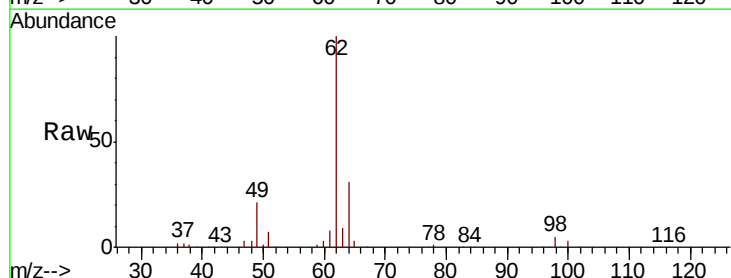
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 41 Resp: 315166
Ion Ratio Lower Upper
41 100
39 53.9 43.2 64.8
67 23.1 19.9 29.9
52 16.1 10.2 15.4#



#42
1,2-Dichloroethane
Concen: 61.481 ug/l
RT: 7.55 min Scan# 622
Delta R.T. -0.03 min
Lab File: VD062978.D
Acq: 28 Jun 2019 20:52

Tgt Ion: 62 Resp: 669531
Ion Ratio Lower Upper
62 100
98 4.6 0.0 10.0





#43

Isopropyl Acetate

Concen: 60.340 ug/l

RT: 9.22 min Scan# 791

Delta R.T. -0.03 min

Lab File: VD062978.D

Acq: 28 Jun 2019 20:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

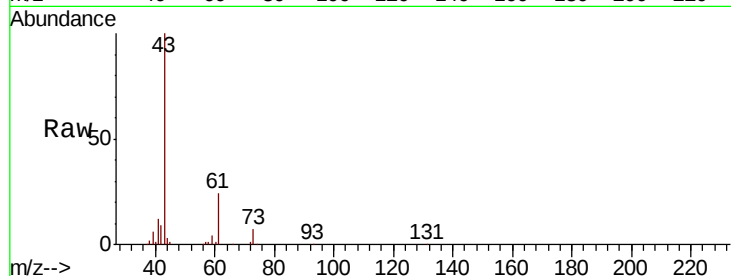
Tot Ion: 43 Resp: 314596

Ion Ratio Lower Upper

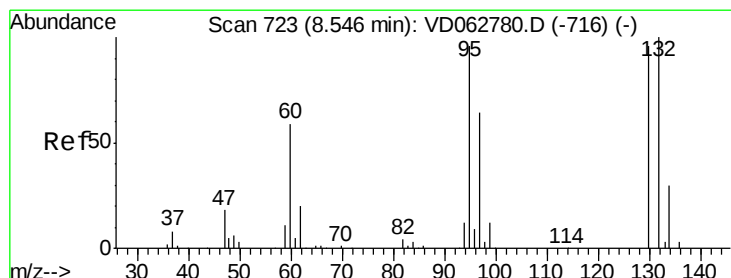
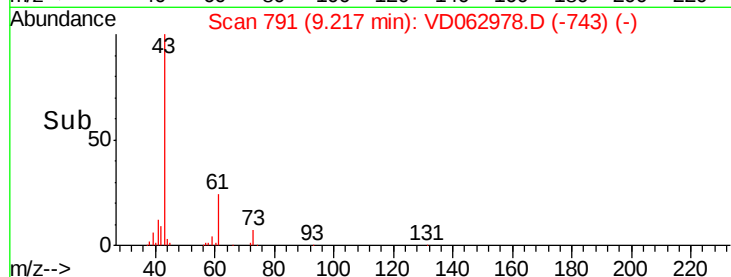
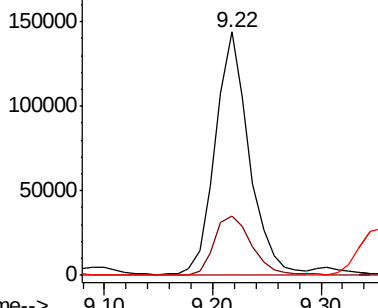
43 100

61 24.2 22.4 33.6

87 0.0 0.3 0.5#



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



#44

Trichloroethene

Concen: 55.627 ug/l

RT: 8.52 min Scan# 720

Delta R.T. -0.03 min

Lab File: VD062978.D

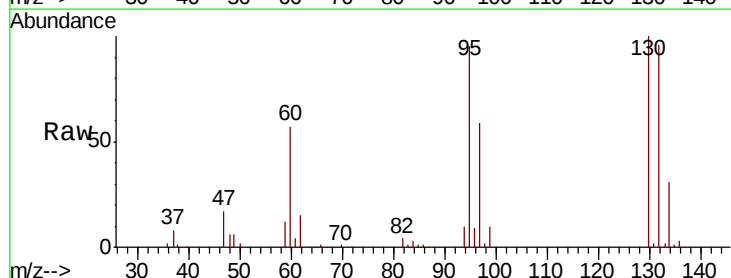
Acq: 28 Jun 2019 20:52

Tgt Ion:130 Resp: 435342

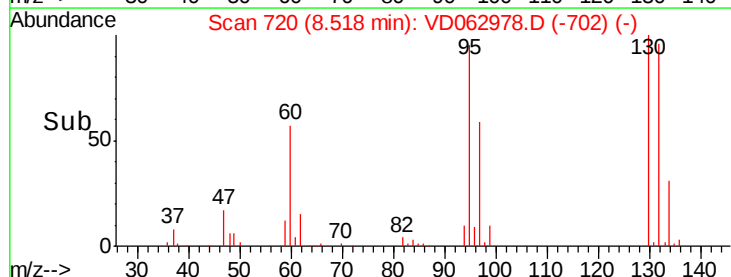
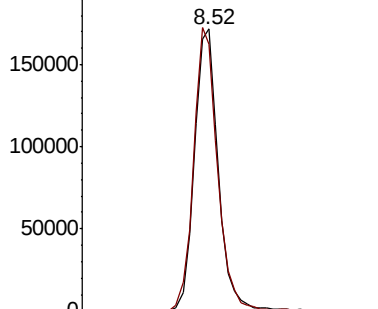
Ion Ratio Lower Upper

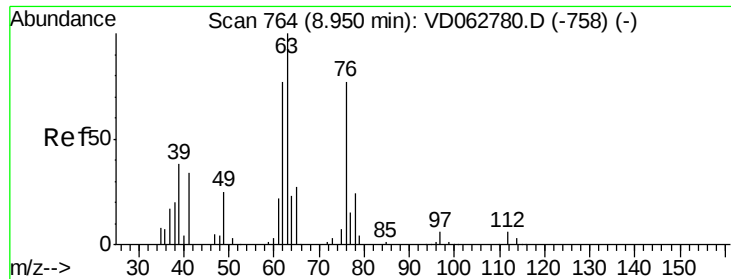
130 100

95 94.6 0.0 201.6



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

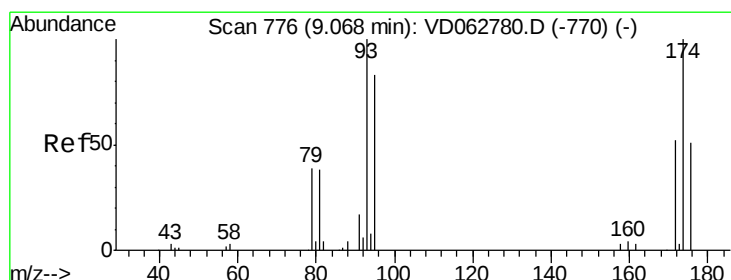
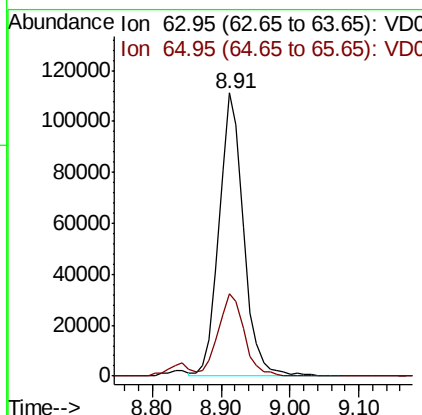
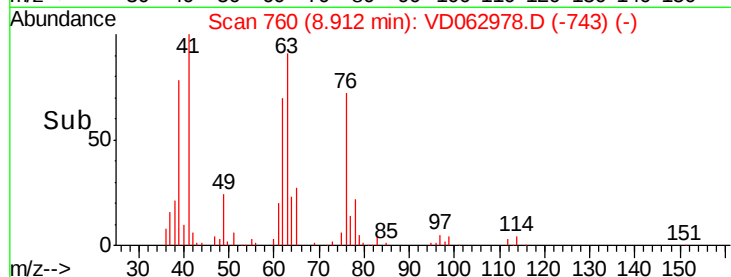
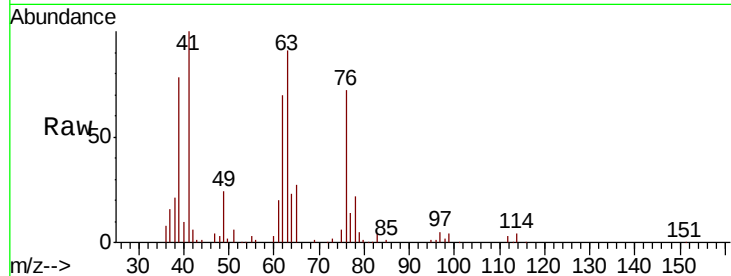




#45
 1,2-Dichloropropane
 Concen: 55.144 ug/l
 RT: 8.91 min Scan# 760
 Delta R.T. -0.04 min
 Lab File: VD062978.D
 Acq: 28 Jun 2019 20:52

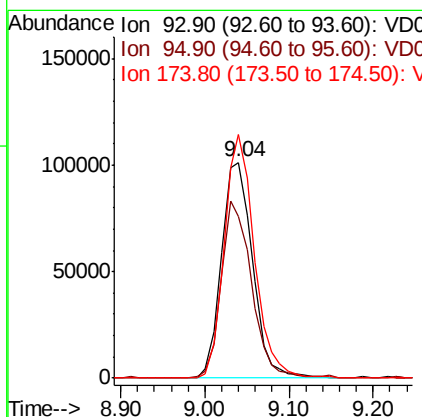
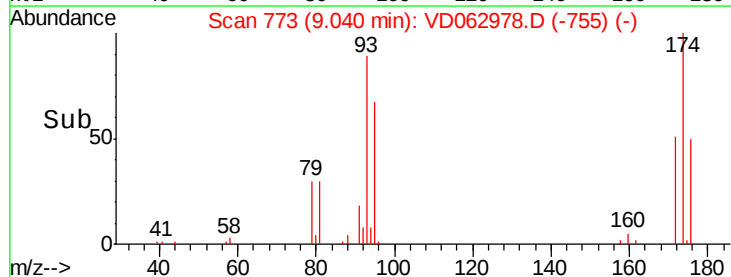
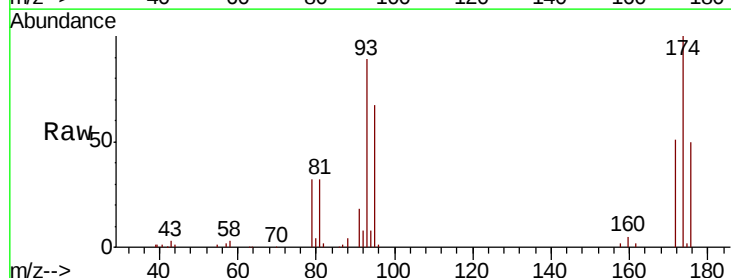
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 273723
 Ion Ratio Lower Upper
 63 100
 65 29.3 24.2 36.2



#46
 Dibromomethane
 Concen: 60.961 ug/l
 RT: 9.04 min Scan# 773
 Delta R.T. -0.03 min
 Lab File: VD062978.D
 Acq: 28 Jun 2019 20:52

Tgt Ion: 93 Resp: 259936
 Ion Ratio Lower Upper
 93 100
 95 75.1 66.6 100.0
 174 112.7 79.7 119.5





#47

Bromodichloromethane

Concen: 60.515 ug/l

RT: 9.36 min Scan# 805

Delta R.T. -0.03 min

Lab File: VD062978.D

Acq: 28 Jun 2019 20:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

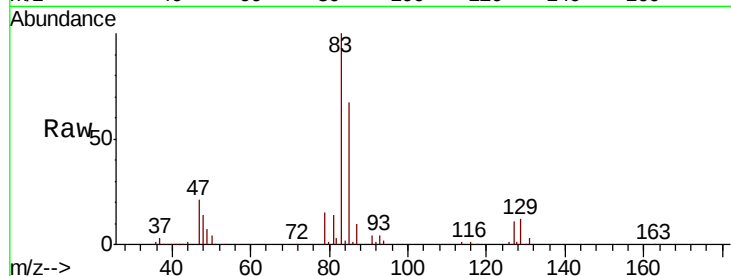
Tot Ion: 83 Resp: 670136

Ion Ratio Lower Upper

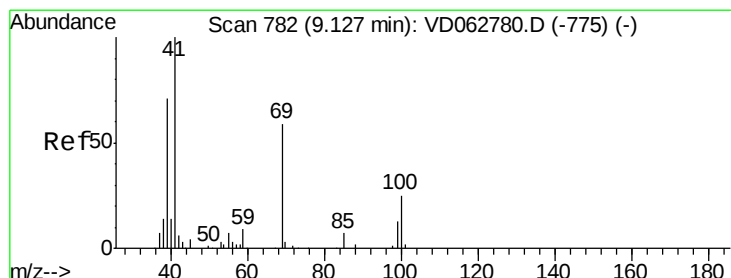
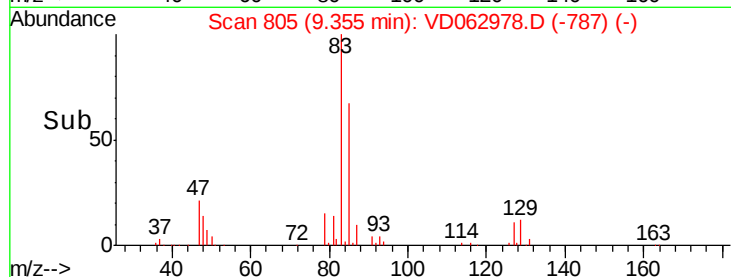
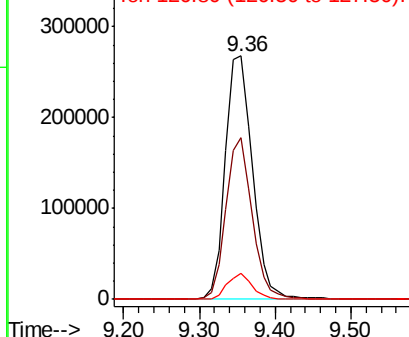
83 100

85 66.7 51.6 77.4

127 10.6 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: 61.494 ug/l

RT: 9.10 min Scan# 779

Delta R.T. -0.03 min

Lab File: VD062978.D

Acq: 28 Jun 2019 20:52

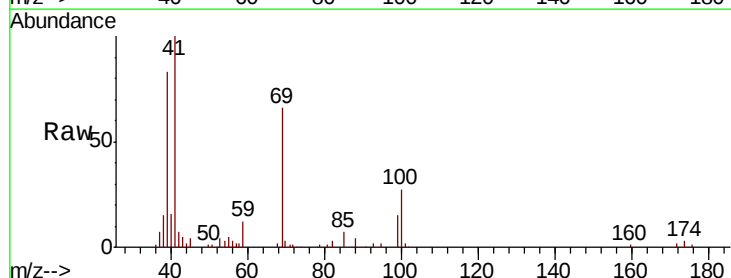
Tgt Ion: 41 Resp: 227838

Ion Ratio Lower Upper

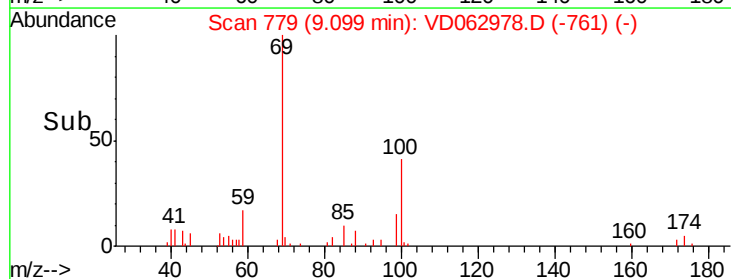
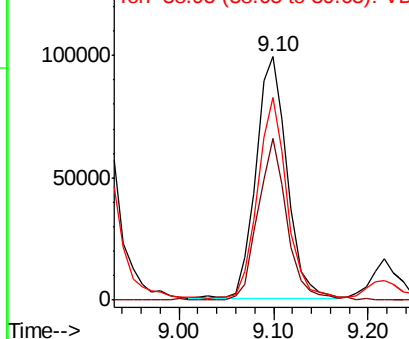
41 100

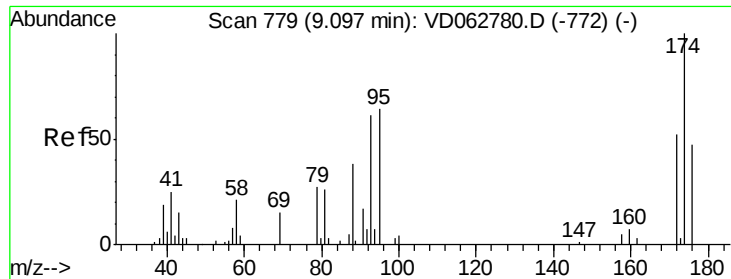
69 66.3 47.2 70.8

39 83.2 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

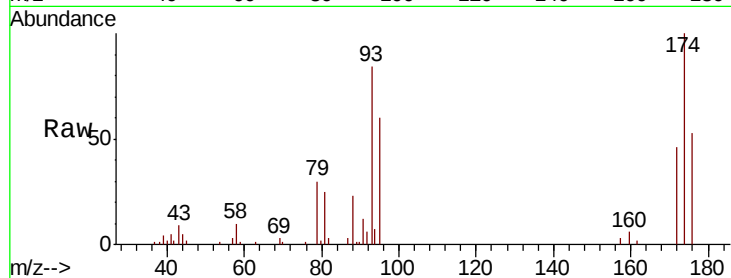




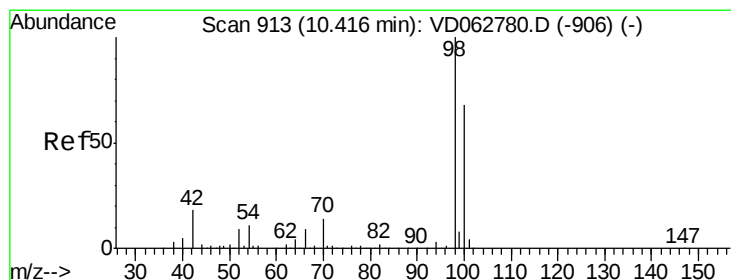
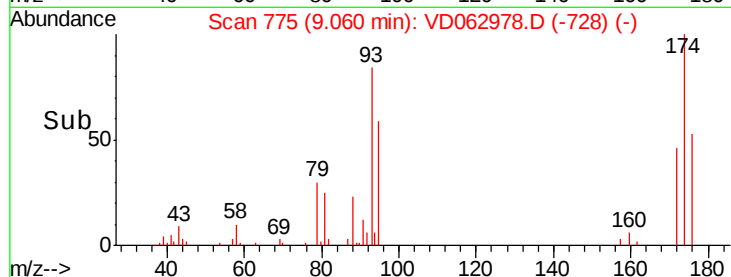
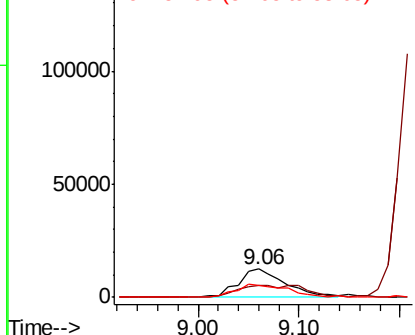
#49
1,4-Dioxane
Concen: 1313.745 ug/l
RT: 9.06 min Scan# 775
Delta R.T. -0.04 min
Lab File: VD062978.D
Acq: 28 Jun 2019 20:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 88 Resp: 40496
Ion Ratio Lower Upper
88 100
43 40.1 32.1 48.1
58 43.7 44.1 66.1#

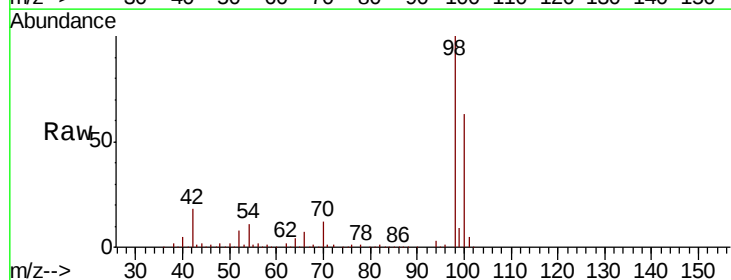


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

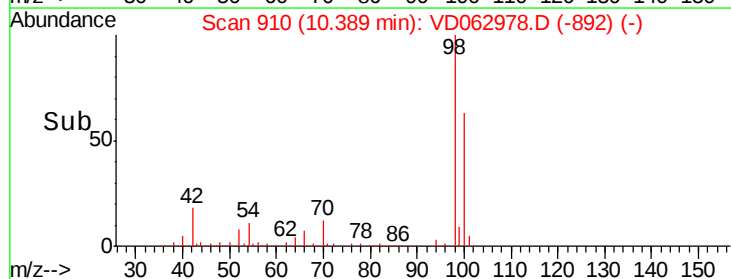
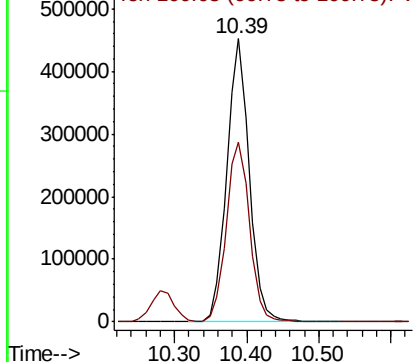


#50
Toluene-d8
Concen: 50.656 ug/l
RT: 10.39 min Scan# 910
Delta R.T. -0.03 min
Lab File: VD062978.D
Acq: 28 Jun 2019 20:52

Tgt Ion: 98 Resp: 976625
Ion Ratio Lower Upper
98 100
100 63.5 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: 316.652 ug/l

RT: 10.28 min Scan# 899

Delta R.T. -0.03 min

Lab File: VD062978.D

Acq: 28 Jun 2019 20:52

Instrument :

MSVOA_D

ClientSampleId :

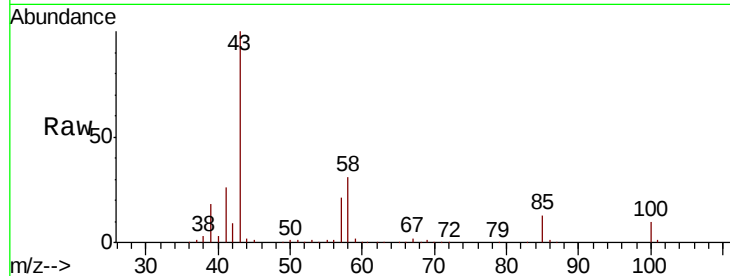
VSTDCCC050EC

Tot Ion: 43 Resp: 1170516

Ion Ratio Lower Upper

43 100

58 31.0 26.6 40.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.28

500000

400000

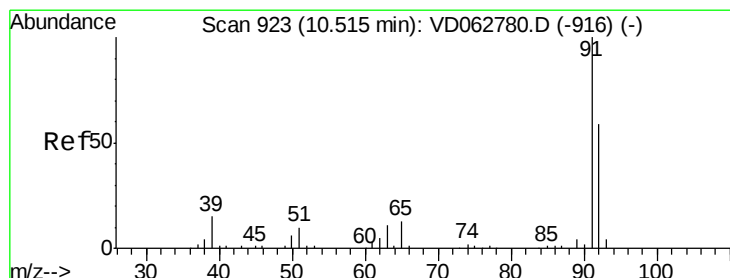
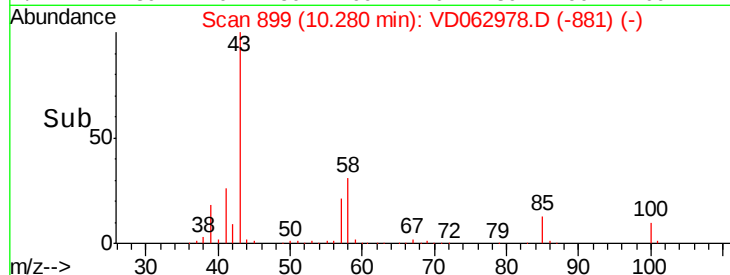
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 57.230 ug/l

RT: 10.49 min Scan# 920

Delta R.T. -0.03 min

Lab File: VD062978.D

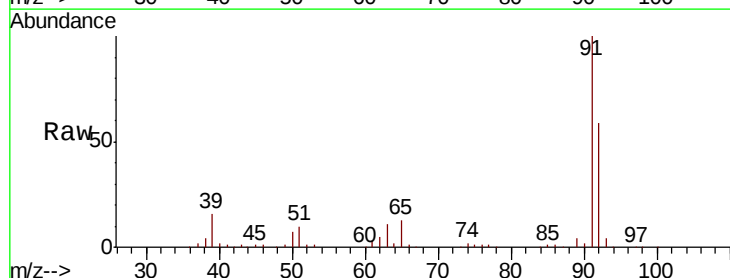
Acq: 28 Jun 2019 20:52

Tgt Ion: 92 Resp: 767961

Ion Ratio Lower Upper

92 100

91 169.0 136.3 204.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.49

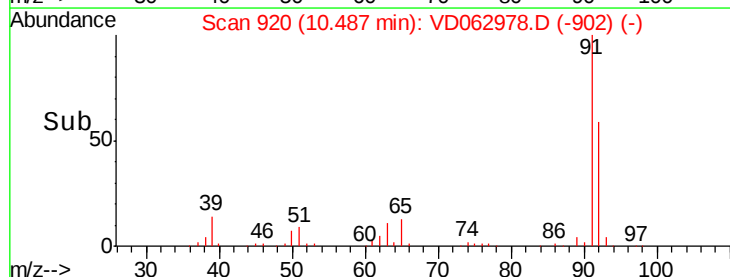
600000

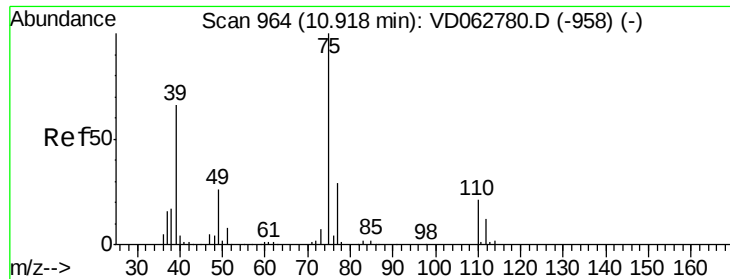
400000

200000

0

Time-->

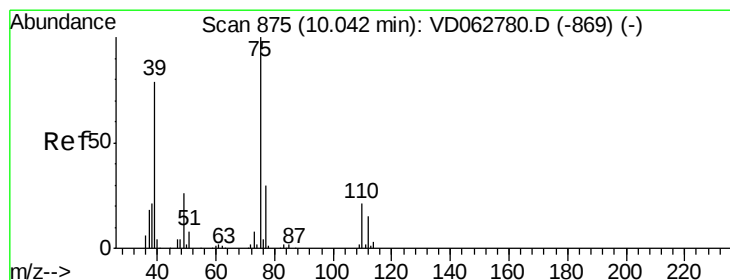
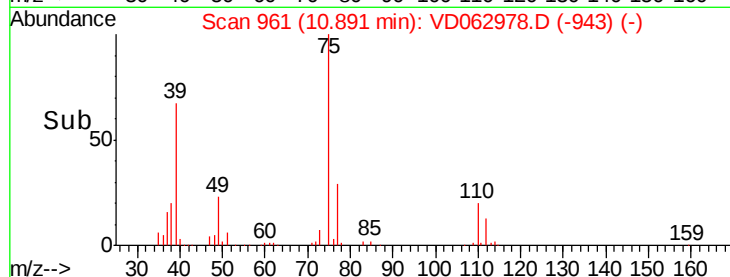
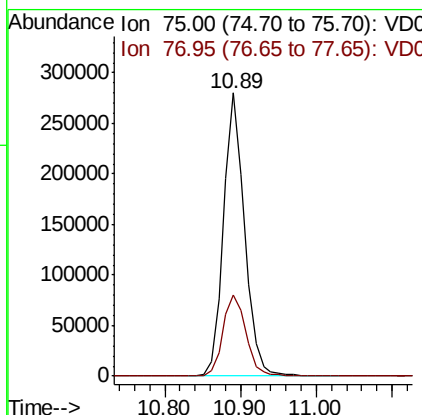
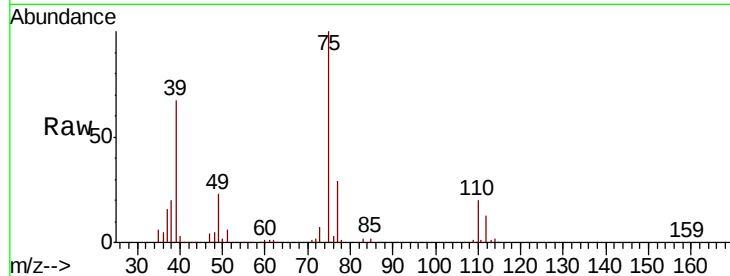




#53
 t-1,3-Dichloropropene
 Concen: 59.463 ug/l
 RT: 10.89 min Scan# 961
 Delta R.T. -0.03 min
 Lab File: VD062978.D
 Acq: 28 Jun 2019 20:52

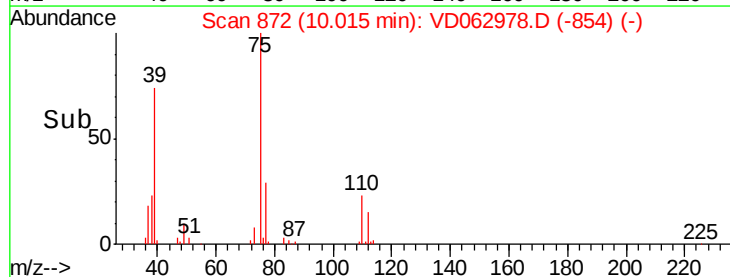
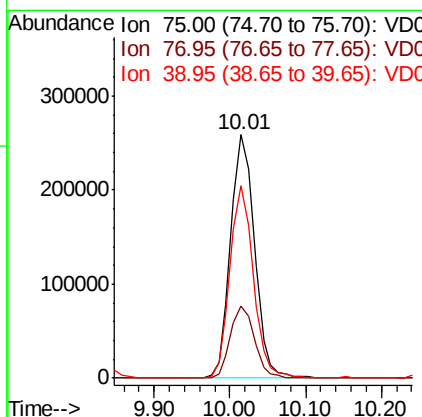
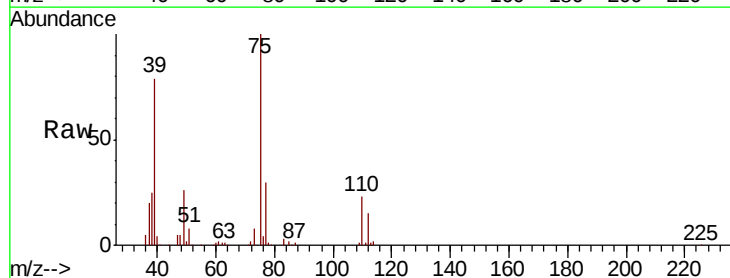
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

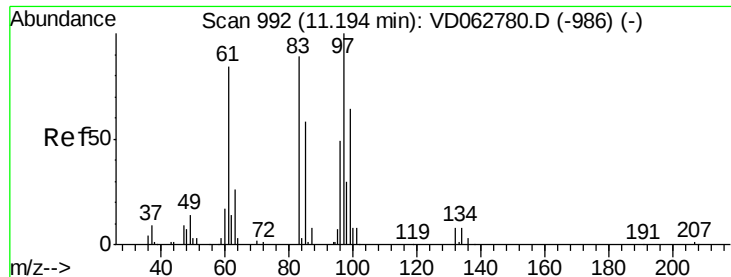
Tot Ion: 75 Resp: 538969
 Ion Ratio Lower Upper
 75 100
 77 28.6 23.2 34.8



#54
 cis-1,3-Dichloropropene
 Concen: 57.539 ug/l
 RT: 10.01 min Scan# 872
 Delta R.T. -0.03 min
 Lab File: VD062978.D
 Acq: 28 Jun 2019 20:52

Tgt Ion: 75 Resp: 566856
 Ion Ratio Lower Upper
 75 100
 77 29.7 24.2 36.2
 39 79.1 63.5 95.3





#55

1,1,2-Trichloroethane

Concen: 59.363 ug/l

RT: 11.17 min Scan# 989

Delta R.T. -0.03 min

Lab File: VD062978.D

Acq: 28 Jun 2019 20:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 273673

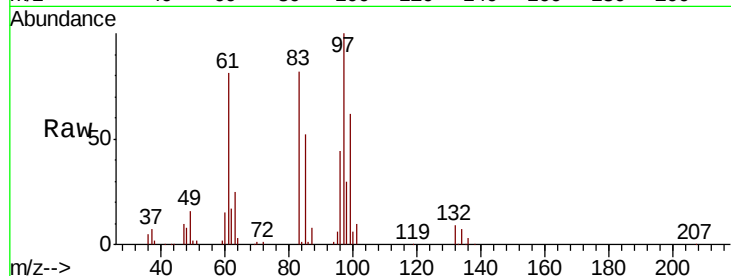
Ion Ratio Lower Upper

97 100

83 81.9 71.0 106.4

85 51.8 46.6 69.8

99 61.9 51.4 77.0

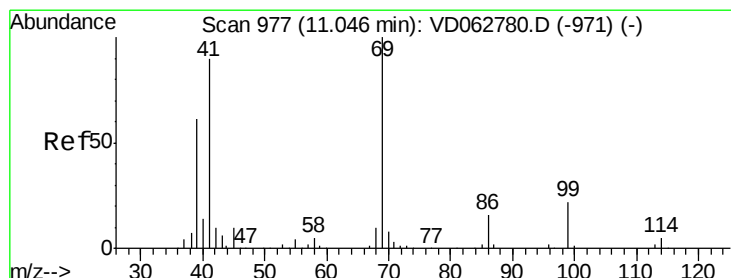
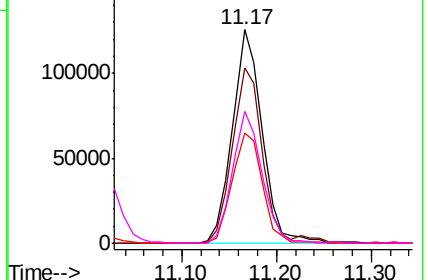
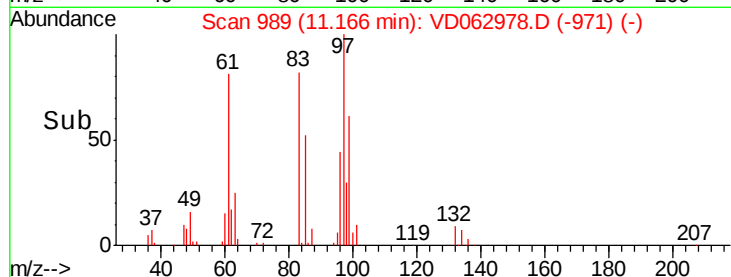


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 62.414 ug/l

RT: 11.02 min Scan# 974

Delta R.T. -0.03 min

Lab File: VD062978.D

Acq: 28 Jun 2019 20:52

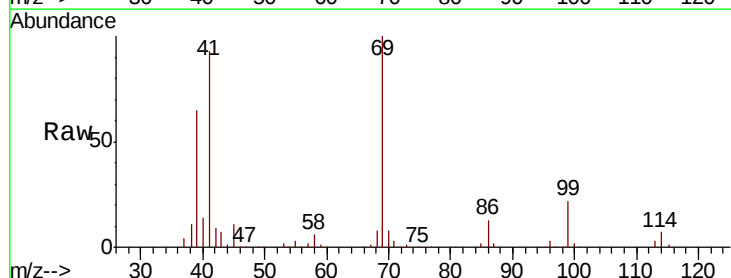
Tgt Ion: 69 Resp: 307503

Ion Ratio Lower Upper

69 100

41 93.0 72.0 108.0

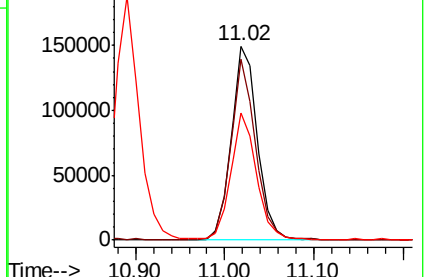
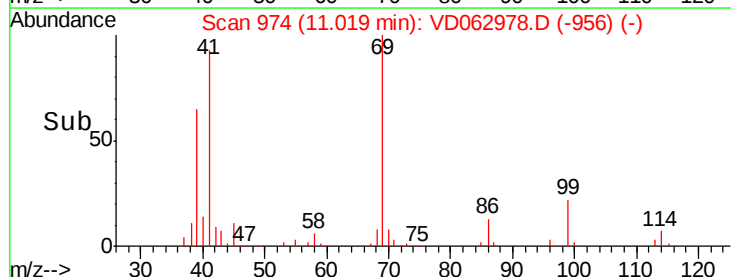
39 65.4 49.5 74.3

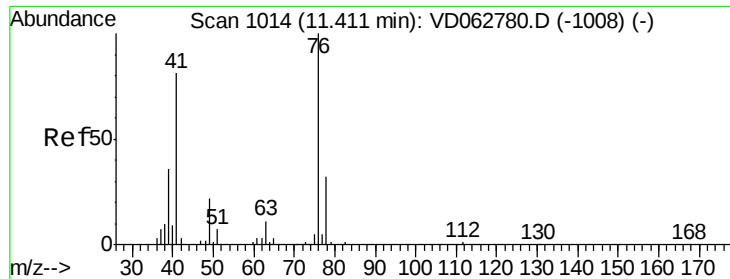


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 62.748 ug/l

RT: 11.38 min Scan# 1011

Delta R.T. -0.03 min

Lab File: VD062978.D

Acq: 28 Jun 2019 20:52

Instrument :

MSVOA_D

ClientSampleId :

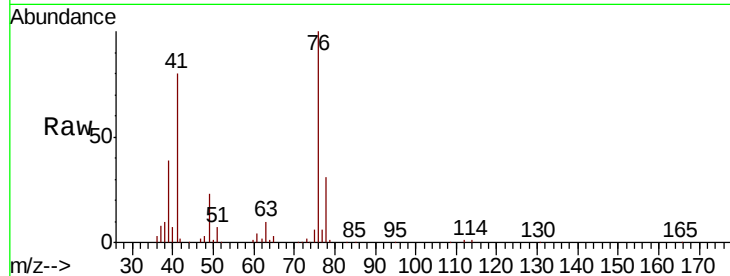
VSTDCCC050EC

Tot Ion: 76 Resp: 442933

Ion Ratio Lower Upper

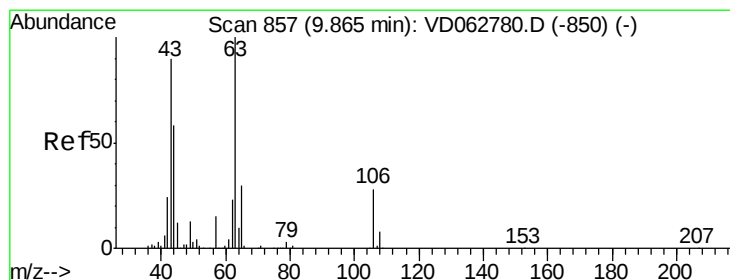
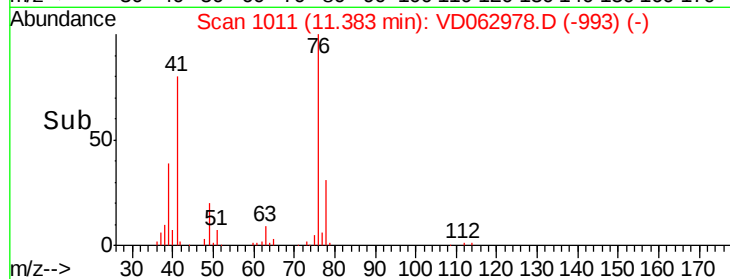
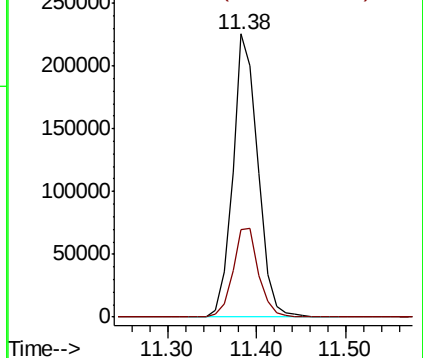
76 100

78 30.9 25.4 38.0



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 266.345 ug/l

RT: 9.84 min Scan# 854

Delta R.T. -0.03 min

Lab File: VD062978.D

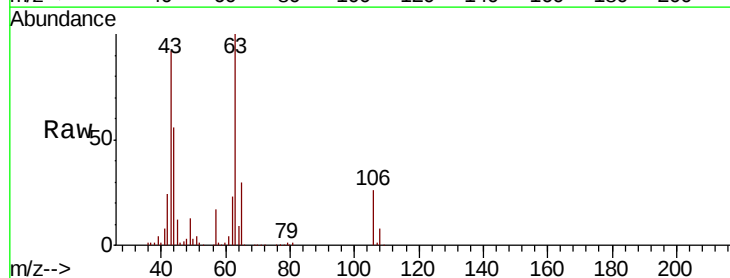
Acq: 28 Jun 2019 20:52

Tgt Ion: 63 Resp: 673686

Ion Ratio Lower Upper

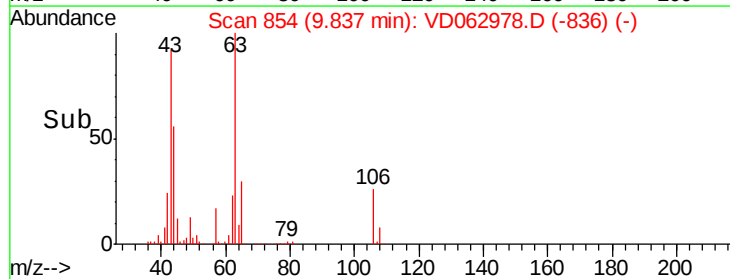
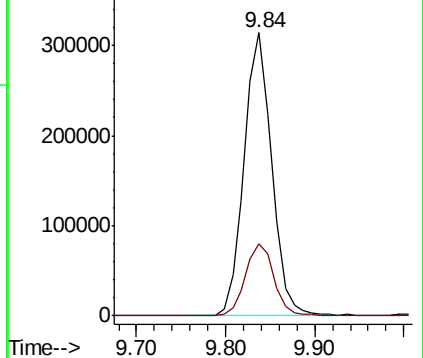
63 100

106 25.7 22.1 33.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

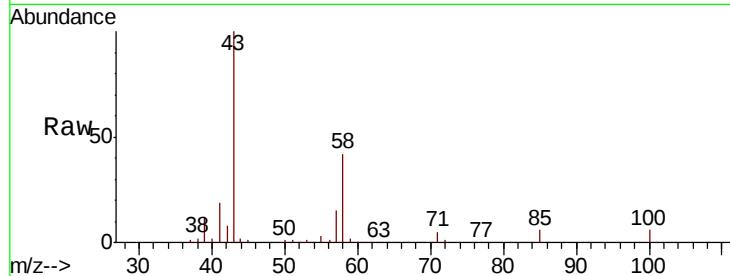




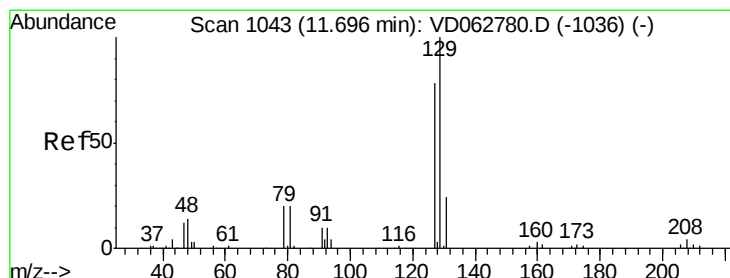
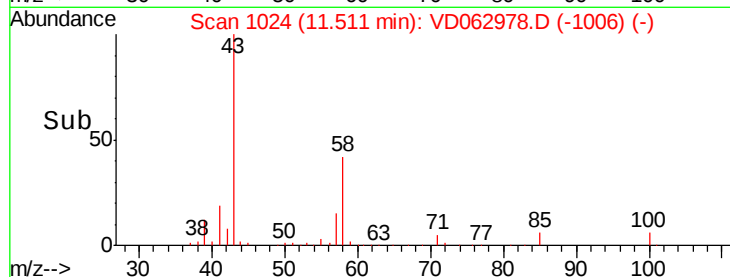
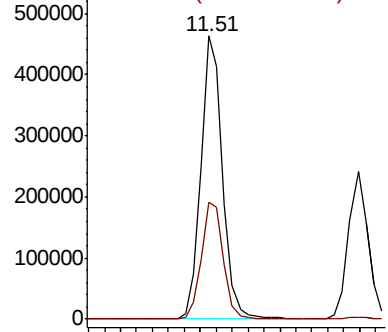
#59
2-Hexanone
Concen: 335.423 ug/l
RT: 11.51 min Scan# 1024
Delta R.T. -0.03 min
Lab File: VD062978.D
Acq: 28 Jun 2019 20:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 883044
Ion Ratio Lower Upper
43 100
58 41.5 22.4 67.2

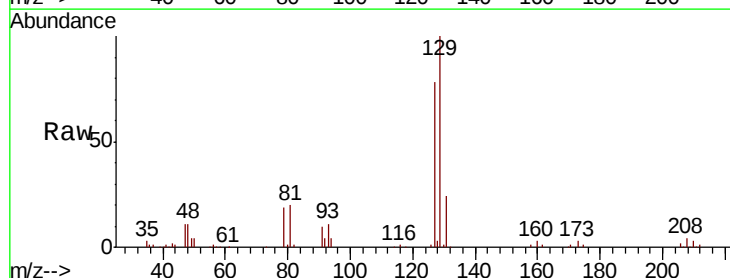


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

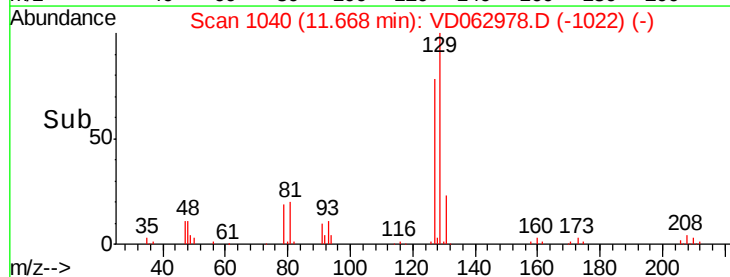
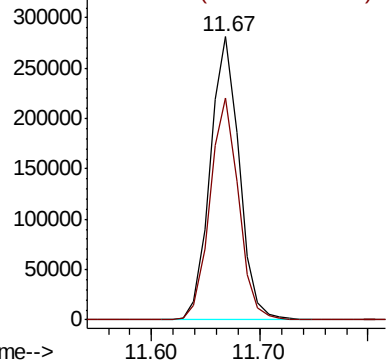


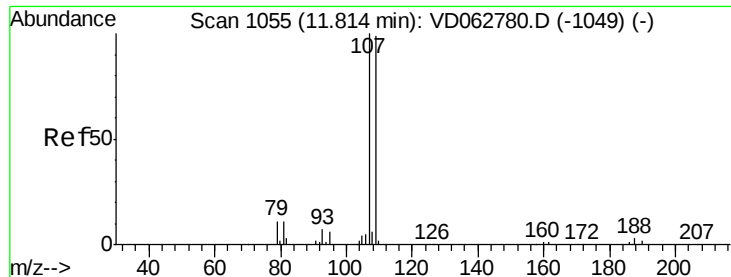
#60
Dibromochloromethane
Concen: 61.094 ug/l
RT: 11.67 min Scan# 1040
Delta R.T. -0.03 min
Lab File: VD062978.D
Acq: 28 Jun 2019 20:52

Tgt Ion: 129 Resp: 524620
Ion Ratio Lower Upper
129 100
127 78.4 38.9 116.6



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V

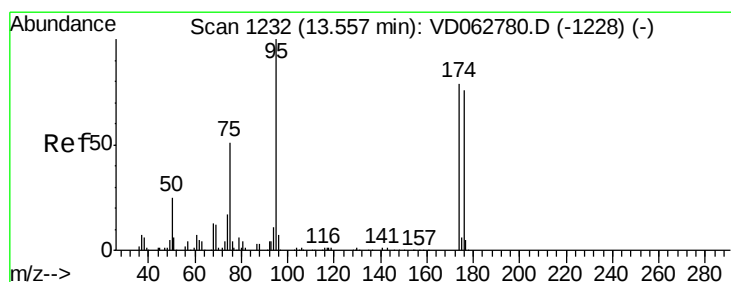
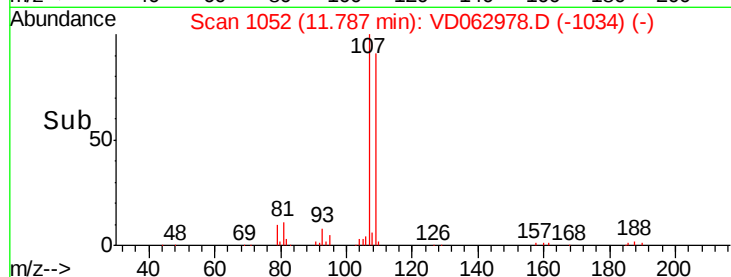
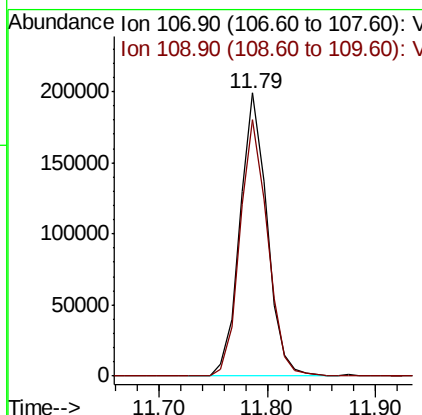
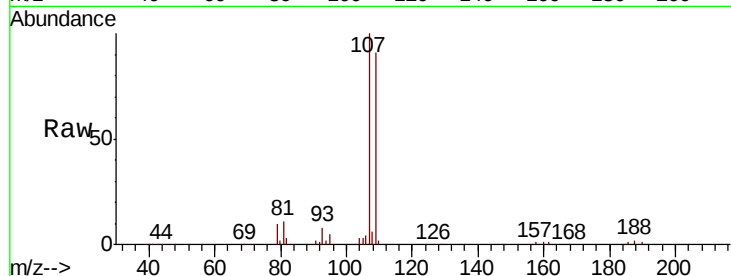




#61
 1,2-Dibromoethane
 Concen: 63.781 ug/l
 RT: 11.79 min Scan# 1052
 Delta R.T. -0.03 min
 Lab File: VD062978.D
 Acq: 28 Jun 2019 20:52

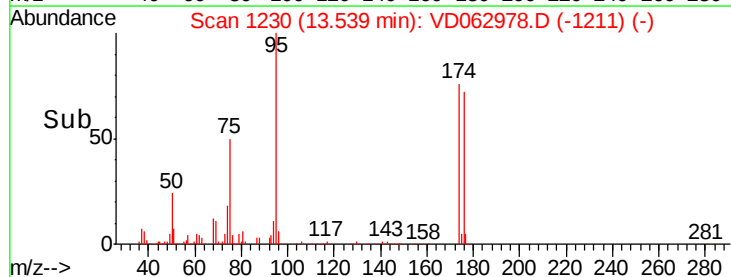
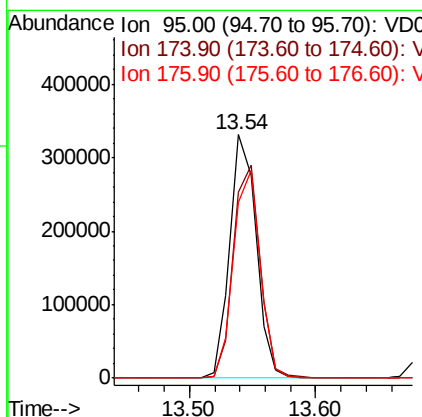
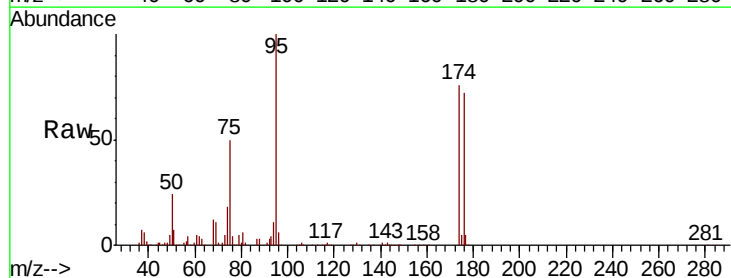
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

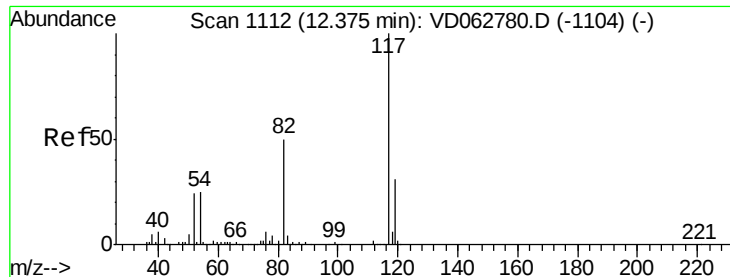
Tot Ion:107 Resp: 347278
 Ion Ratio Lower Upper
 107 100
 109 90.7 79.3 118.9



#62
 4-Bromofluorobenzene
 Concen: 54.595 ug/l
 RT: 13.54 min Scan# 1230
 Delta R.T. -0.02 min
 Lab File: VD062978.D
 Acq: 28 Jun 2019 20:52

Tgt Ion: 95 Resp: 478608
 Ion Ratio Lower Upper
 95 100
 174 76.5 0.0 158.0
 176 72.0 0.0 151.6

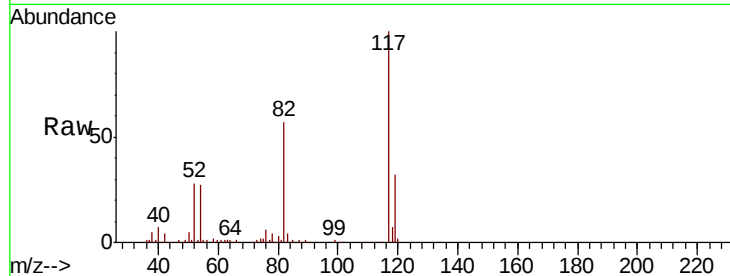




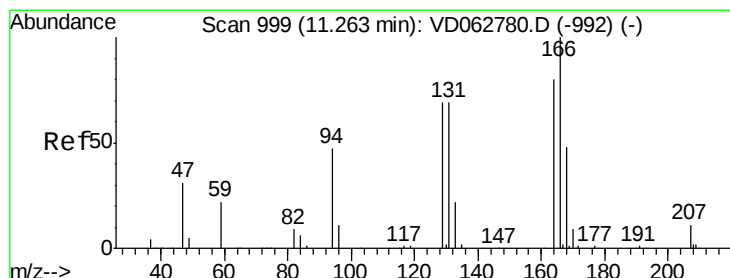
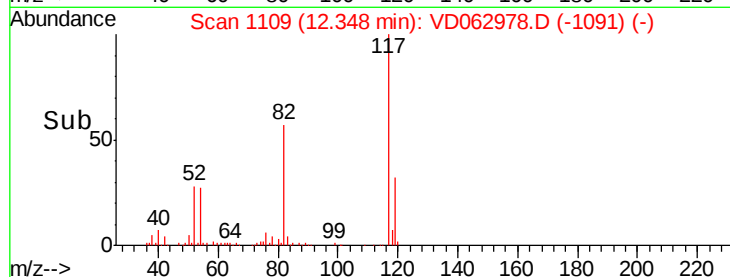
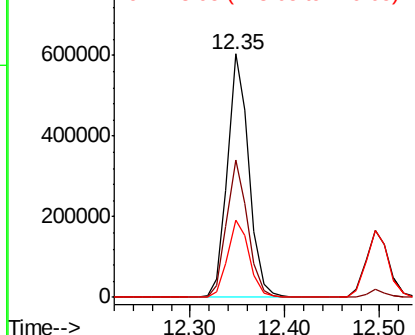
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1109
Delta R.T. -0.03 min
Lab File: VD062978.D
Acq: 28 Jun 2019 20:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 943404
Ion Ratio Lower Upper
117 100
82 56.6 40.4 60.6
119 31.6 25.2 37.8



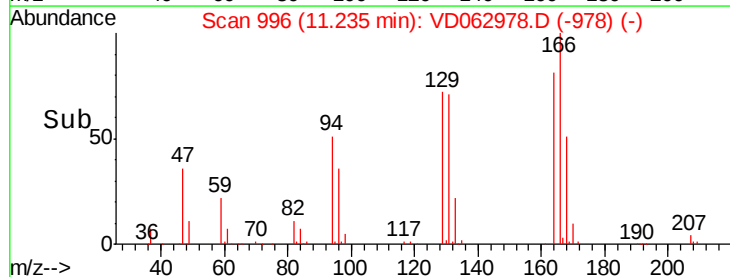
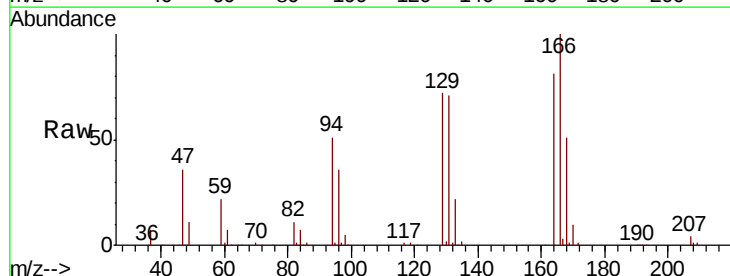
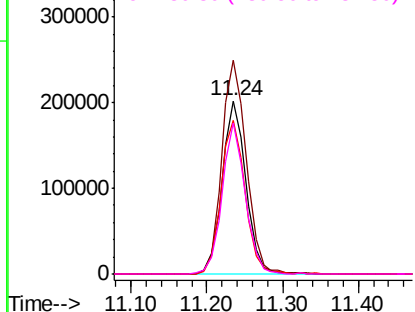
Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

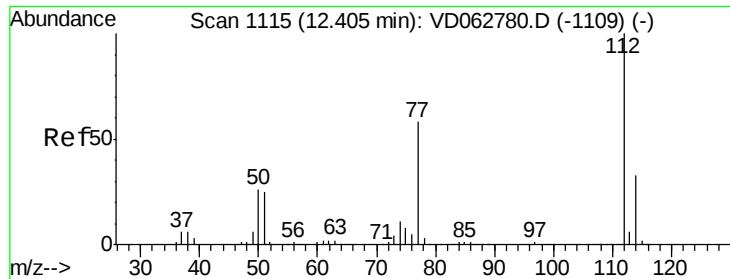


#64
Tetrachloroethene
Concen: 56.158 ug/l
RT: 11.24 min Scan# 996
Delta R.T. -0.03 min
Lab File: VD062978.D
Acq: 28 Jun 2019 20:52

Tgt Ion:164 Resp: 436035
Ion Ratio Lower Upper
164 100
166 123.3 100.6 150.8
129 88.7 69.4 104.0
131 87.1 69.3 103.9

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

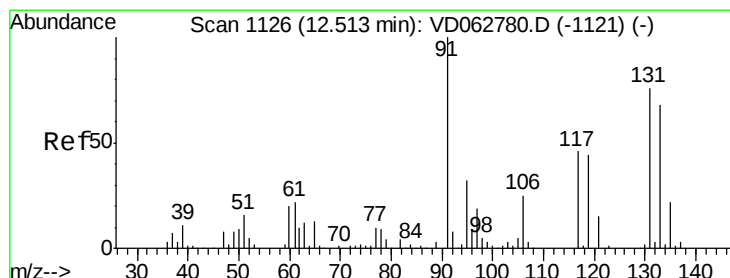
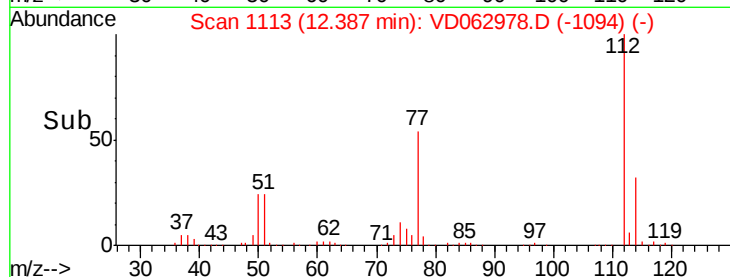
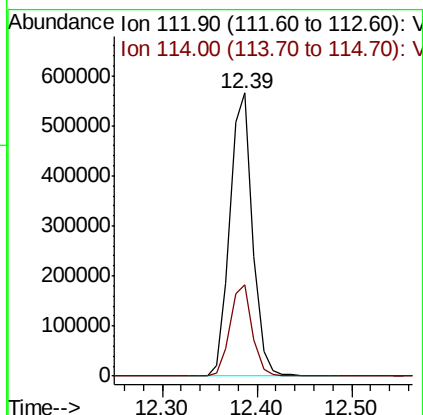
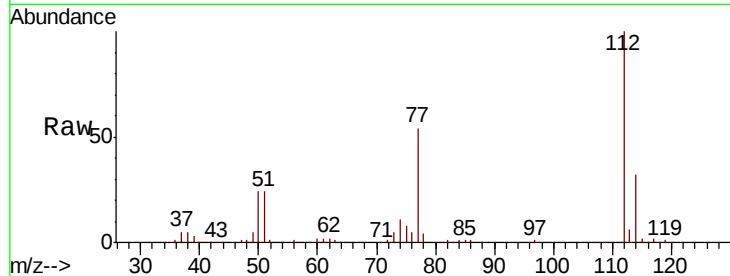




#65
Chlorobenzene
Concen: 53.683 ug/l
RT: 12.39 min Scan# 1113
Delta R.T. -0.02 min
Lab File: VD062978.D
Acq: 28 Jun 2019 20:52

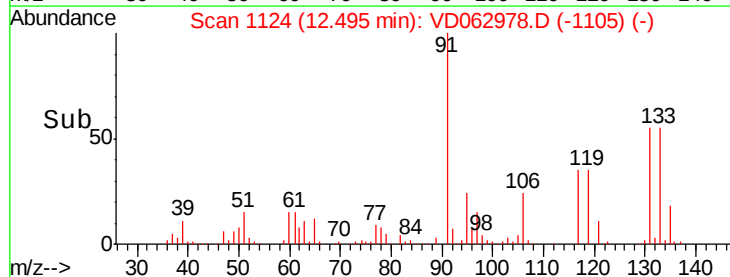
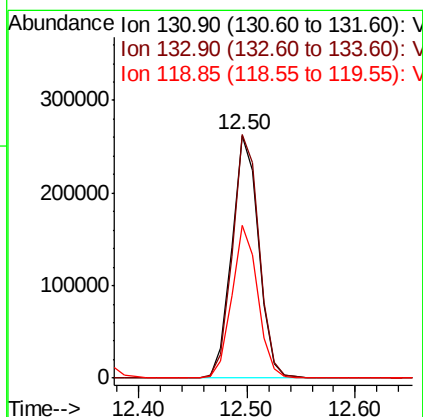
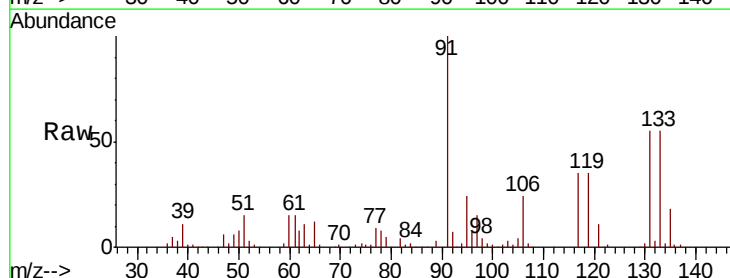
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 939916
Ion Ratio Lower Upper
112 100
114 32.4 26.3 39.5



#66
1,1,1,2-Tetrachloroethane
Concen: 55.173 ug/l
RT: 12.50 min Scan# 1124
Delta R.T. -0.02 min
Lab File: VD062978.D
Acq: 28 Jun 2019 20:52

Tgt Ion:131 Resp: 451755
Ion Ratio Lower Upper
131 100
133 100.3 44.5 133.3
119 63.2 28.6 85.9

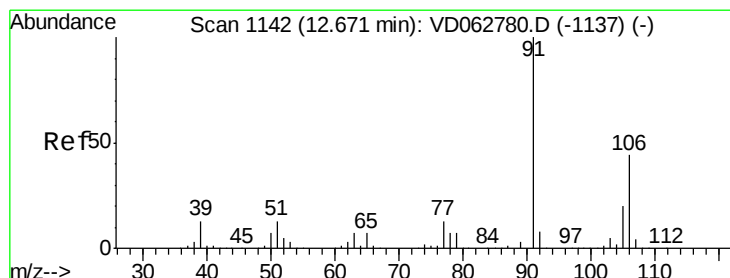
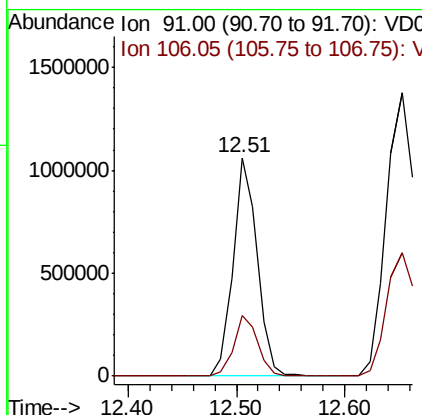
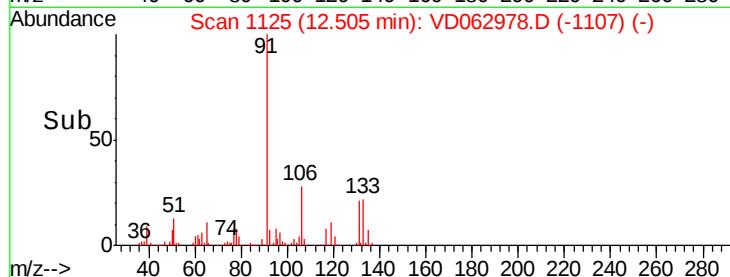
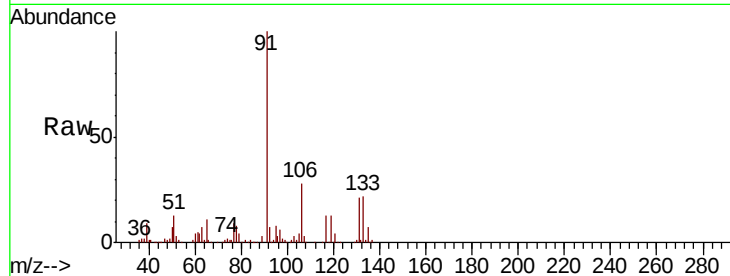




#67
Ethyl Benzene
Concen: 52.278 ug/l
RT: 12.51 min Scan# 1125
Delta R.T. -0.03 min
Lab File: VD062978.D
Acq: 28 Jun 2019 20:52

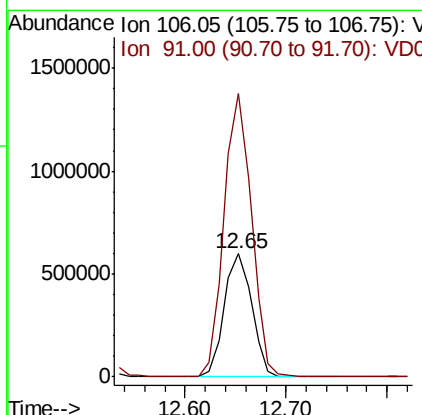
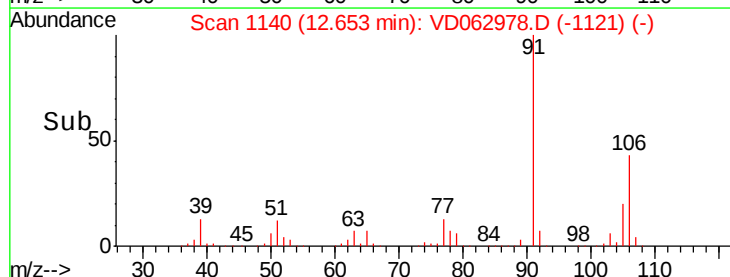
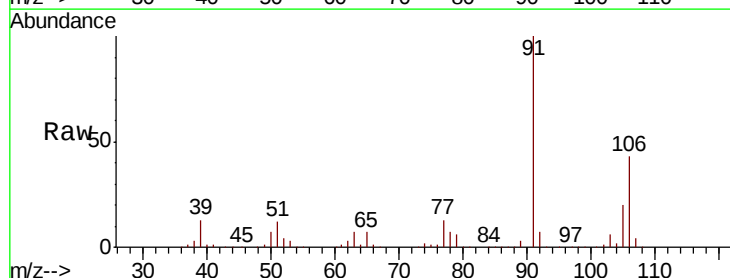
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1643330
Ion Ratio Lower Upper
91 100
106 27.7 23.1 34.7



#68
m/p-Xylenes
Concen: 104.439 ug/l
RT: 12.65 min Scan# 1140
Delta R.T. -0.02 min
Lab File: VD062978.D
Acq: 28 Jun 2019 20:52

Tgt Ion: 106 Resp: 1143440
Ion Ratio Lower Upper
106 100
91 230.3 183.0 274.6

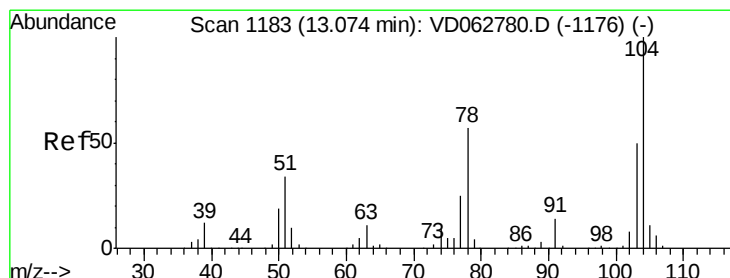
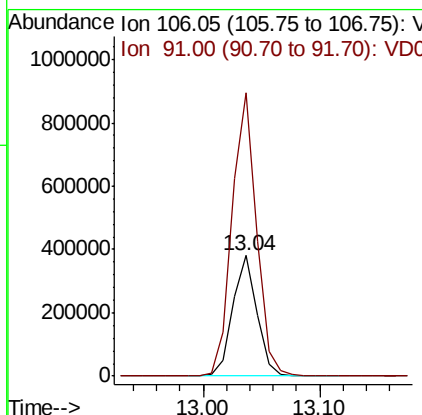
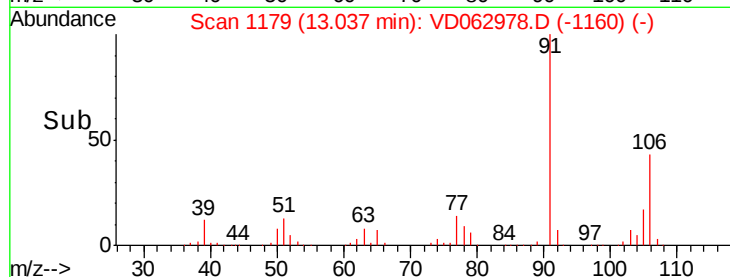
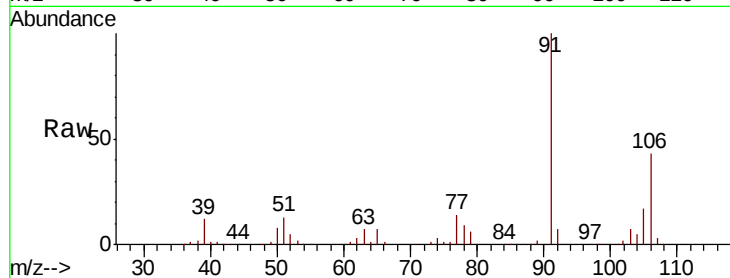




#69
o-Xylene
Concen: 54.511 ug/l
RT: 13.04 min Scan# 1179
Delta R.T. -0.02 min
Lab File: VD062978.D
Acq: 28 Jun 2019 20:52

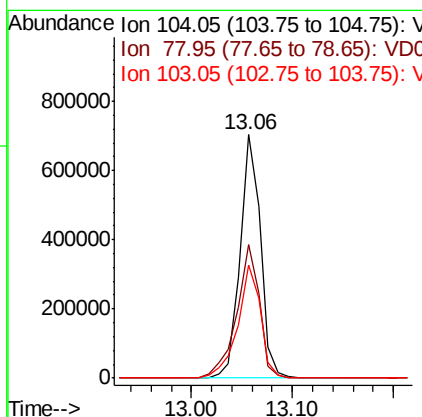
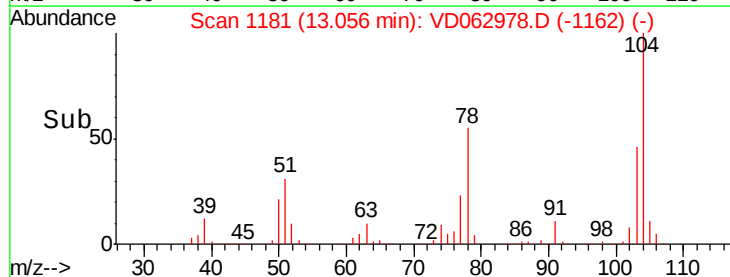
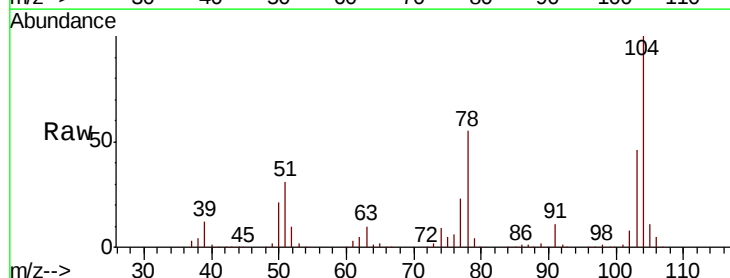
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

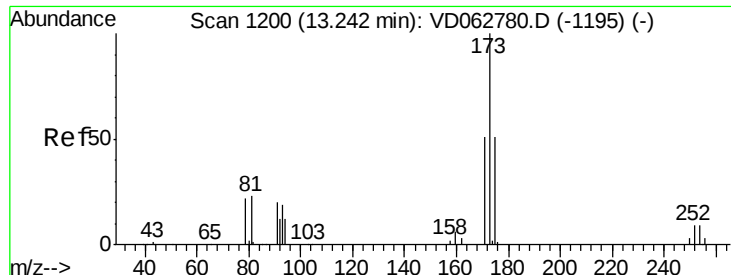
Tot Ion:106 Resp: 545577
Ion Ratio Lower Upper
106 100
91 234.8 117.9 353.6



#70
Styrene
Concen: 55.935 ug/l
RT: 13.06 min Scan# 1181
Delta R.T. -0.02 min
Lab File: VD062978.D
Acq: 28 Jun 2019 20:52

Tgt Ion:104 Resp: 983308
Ion Ratio Lower Upper
104 100
78 54.6 45.4 68.2
103 46.4 39.7 59.5





#71

Bromoform

Concen: 61.173 ug/l

RT: 13.22 min Scan# 1198

Delta R.T. -0.02 min

Lab File: VD062978.D

Acq: 28 Jun 2019 20:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

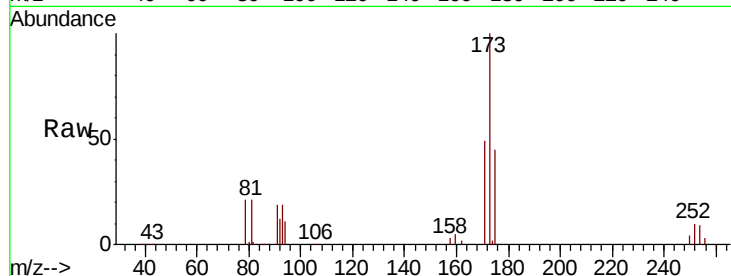
Tot Ion:173 Resp: 343176

Ion Ratio Lower Upper

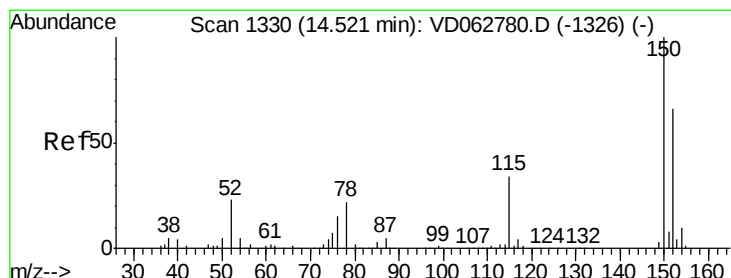
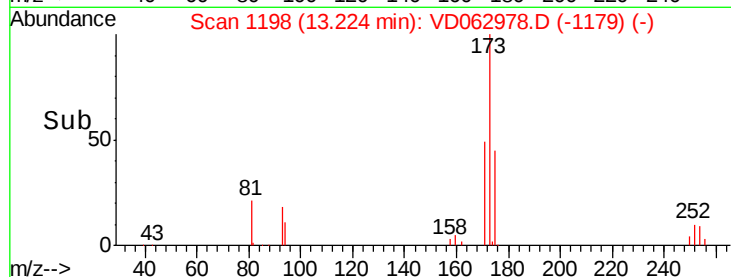
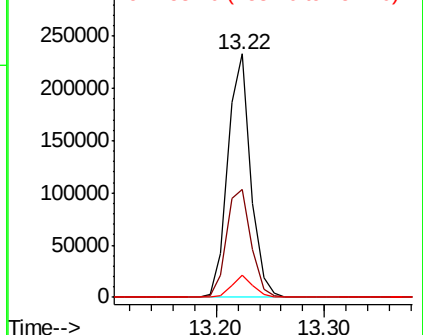
173 100

175 44.5 25.3 75.9

254 9.0 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: 14.50 min Scan# 1328

Delta R.T. -0.02 min

Lab File: VD062978.D

Acq: 28 Jun 2019 20:52

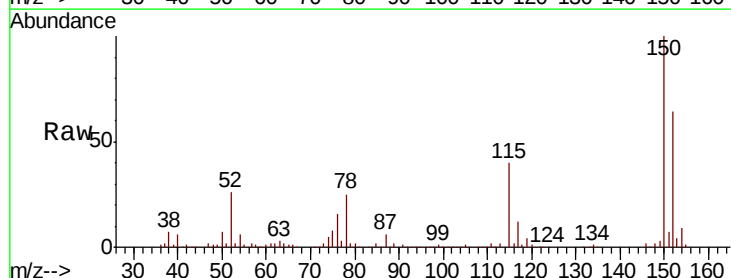
Tgt Ion:152 Resp: 503711

Ion Ratio Lower Upper

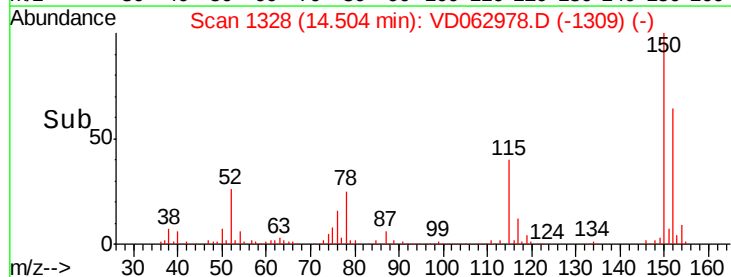
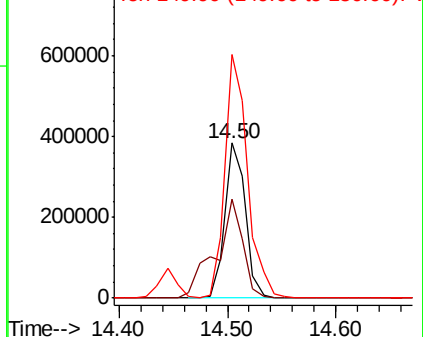
152 100

115 63.4 29.2 87.6

150 157.1 0.0 305.8



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





#73

Isopropylbenzene

Concen: 47.945 ug/l

RT: 13.39 min Scan# 1215

Delta R.T. -0.02 min

Lab File: VD062978.D

Acq: 28 Jun 2019 20:52

Instrument :

MSVOA_D

ClientSampleId :

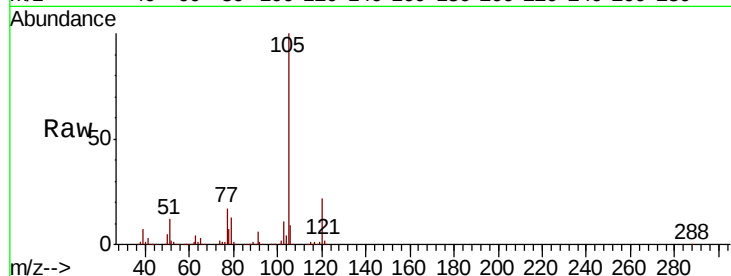
VSTDCCC050EC

Tot Ion:105 Resp: 1548475

Ion Ratio Lower Upper

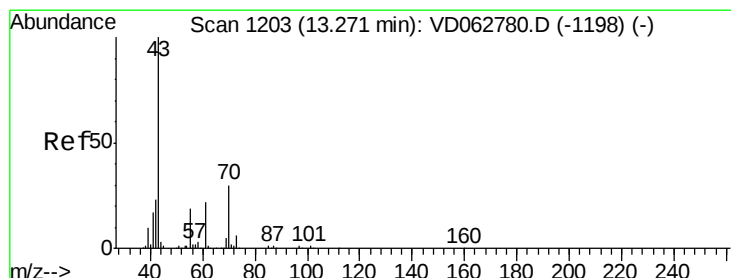
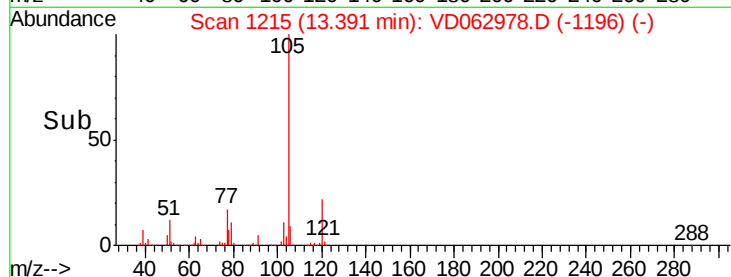
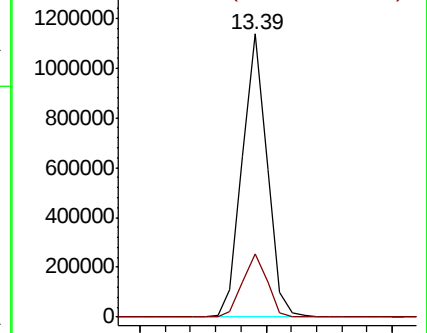
105 100

120 22.2 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: 61.890 ug/l

RT: 13.25 min Scan# 1201

Delta R.T. -0.02 min

Lab File: VD062978.D

Acq: 28 Jun 2019 20:52

Tgt Ion: 43 Resp: 485422

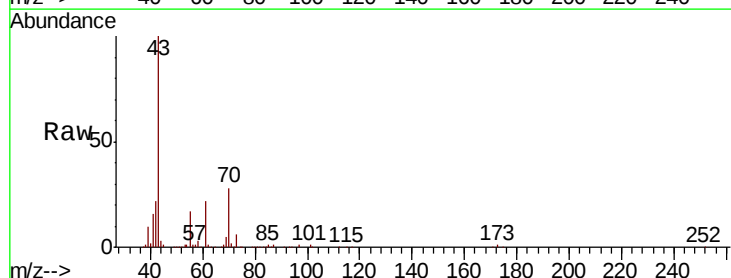
Ion Ratio Lower Upper

43 100

70 27.7 24.4 36.6

55 16.9 15.2 22.8

61 21.8 17.4 26.2

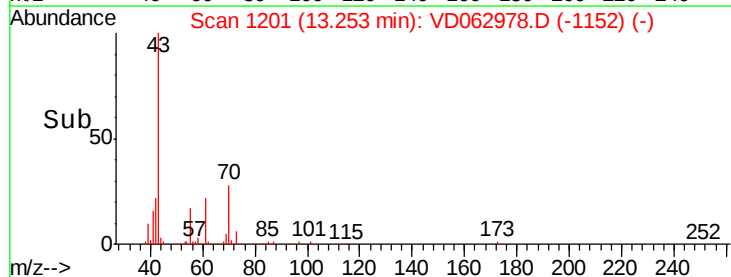
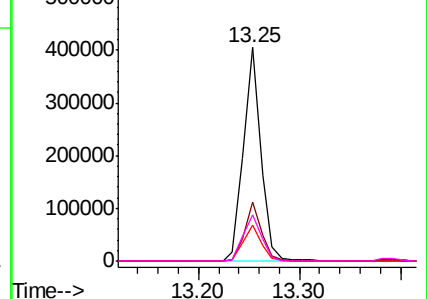


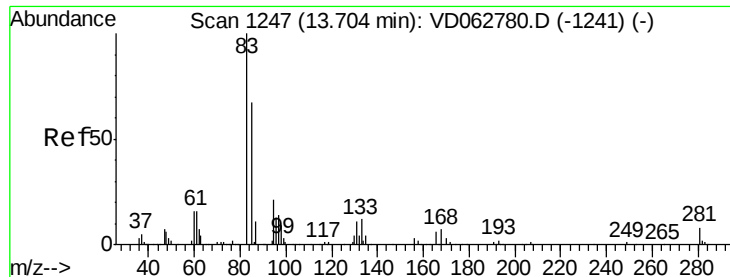
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 62.360 ug/l

RT: 13.69 min Scan# 1245

Delta R.T. -0.02 min

Lab File: VD062978.D

Acq: 28 Jun 2019 20:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

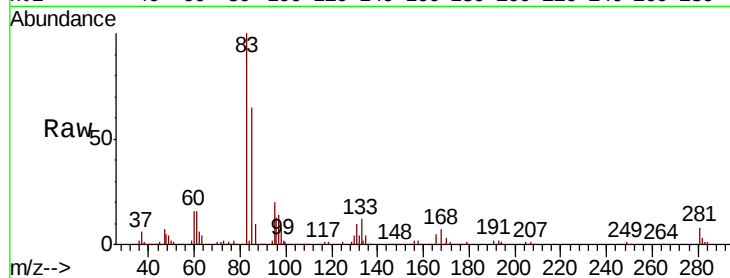
Tot Ion: 83 Resp: 328153

Ion Ratio Lower Upper

83 100

131 10.3 5.3 16.1

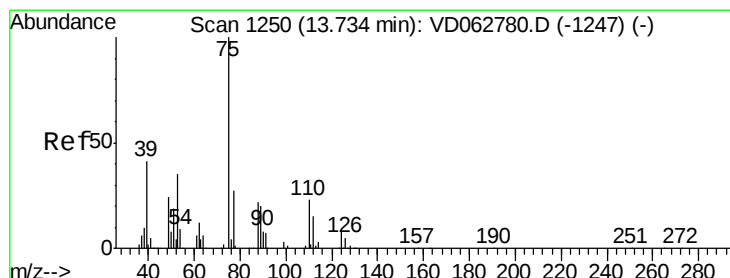
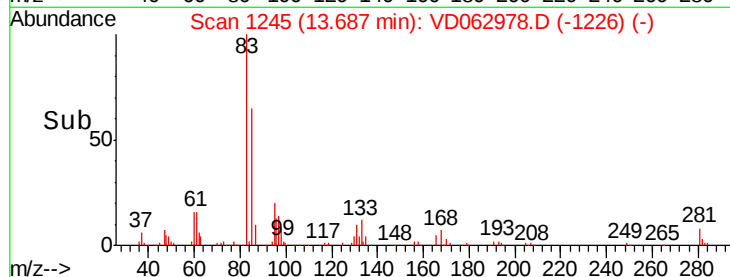
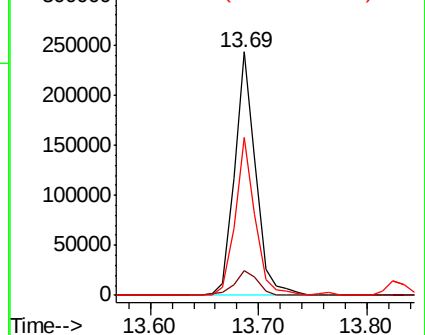
85 65.1 33.7 101.1



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 61.687 ug/l

RT: 13.72 min Scan# 1248

Delta R.T. -0.02 min

Lab File: VD062978.D

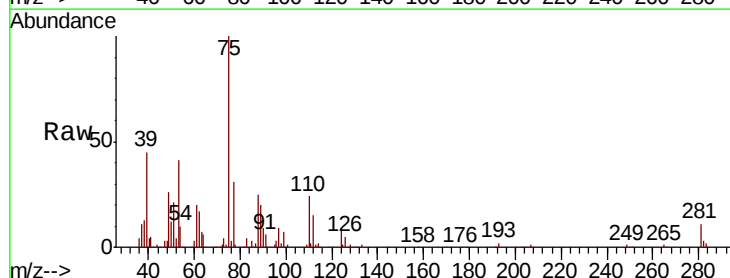
Acq: 28 Jun 2019 20:52

Tgt Ion: 75 Resp: 358707

Ion Ratio Lower Upper

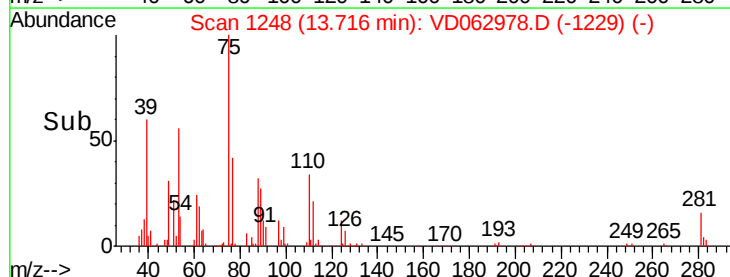
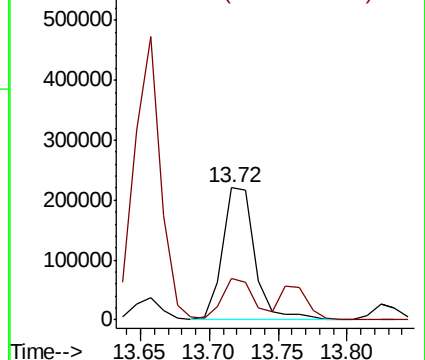
75 100

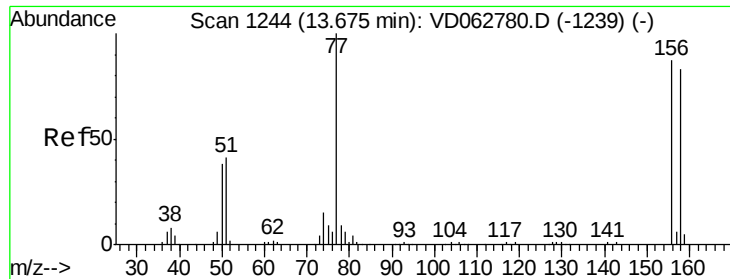
77 31.1 15.0 45.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 58.218 ug/l

RT: 13.66 min Scan# 1242

Delta R.T. -0.02 min

Lab File: VD062978.D

Acq: 28 Jun 2019 20:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

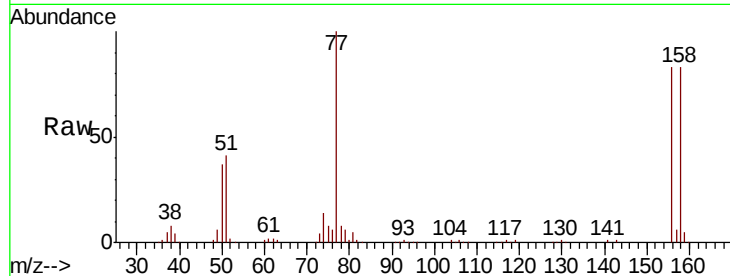
Tot Ion:156 Resp: 505734

Ion Ratio Lower Upper

156 100

77 120.9 57.7 173.1

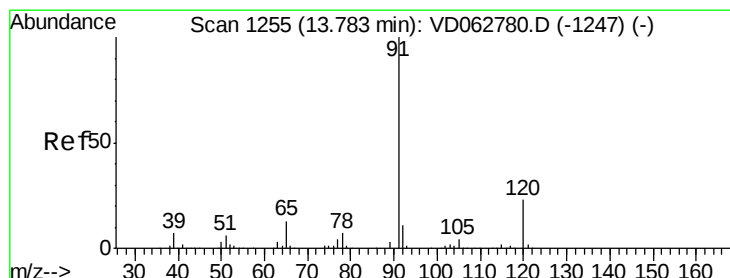
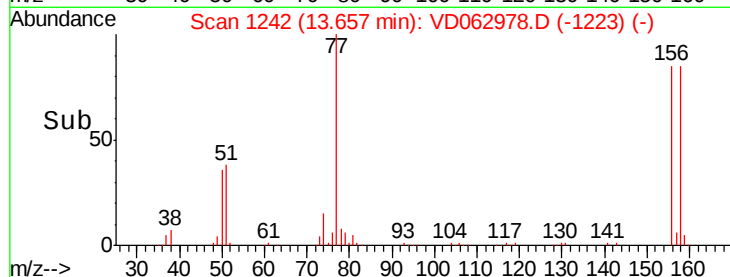
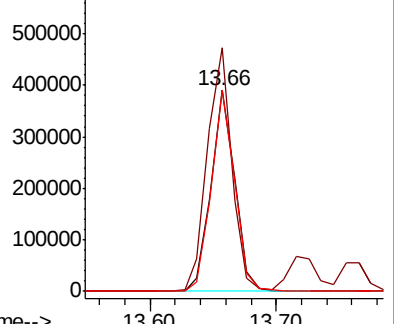
158 100.1 47.7 143.1



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: 53.325 ug/l

RT: 13.77 min Scan# 1253

Delta R.T. -0.02 min

Lab File: VD062978.D

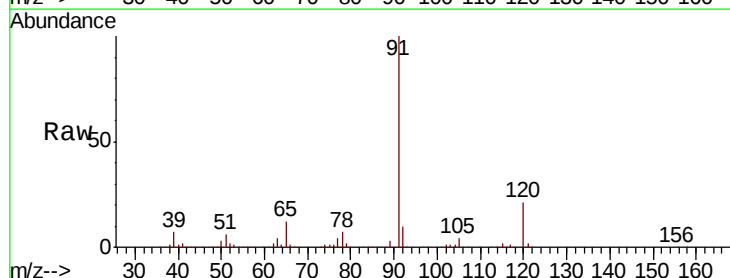
Acq: 28 Jun 2019 20:52

Tgt Ion: 91 Resp: 2004541

Ion Ratio Lower Upper

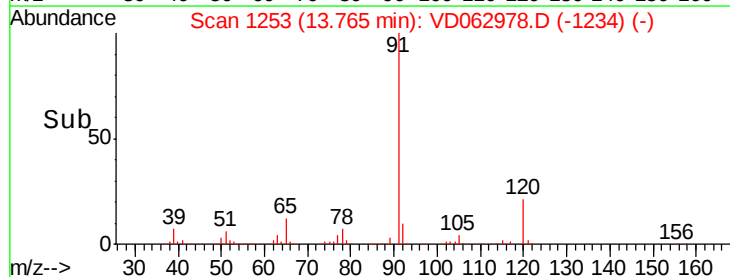
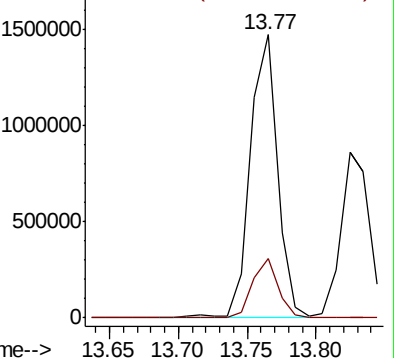
91 100

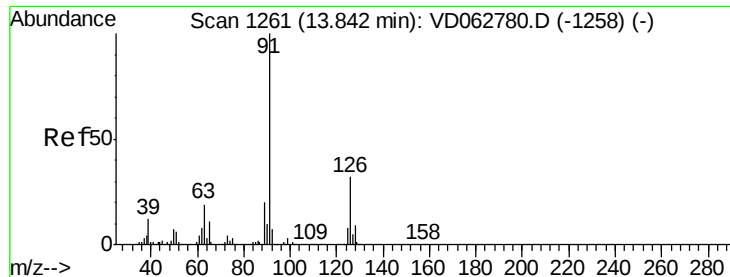
120 21.1 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V

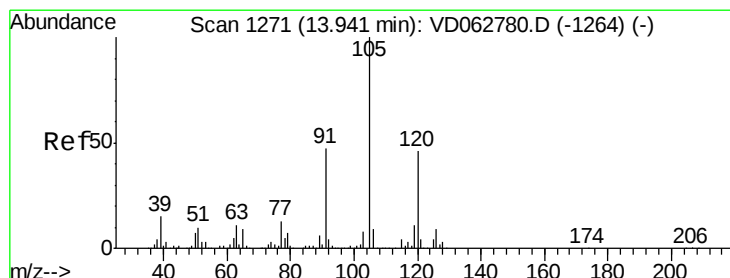
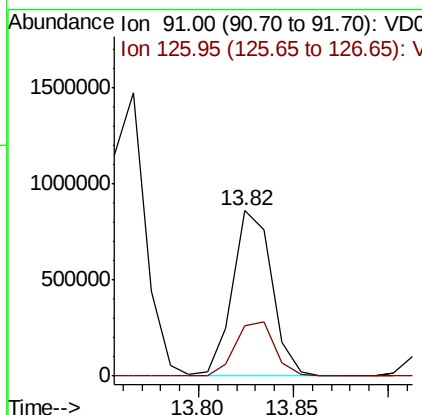
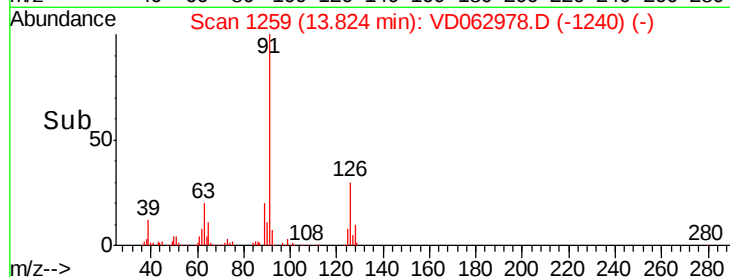
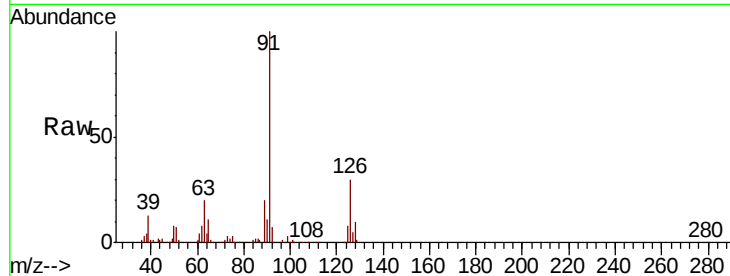




#79
 2-Chlorotoluene
 Concen: 57.331 ug/l
 RT: 13.82 min Scan# 1259
 Delta R.T. -0.02 min
 Lab File: VD062978.D
 Acq: 28 Jun 2019 20:52

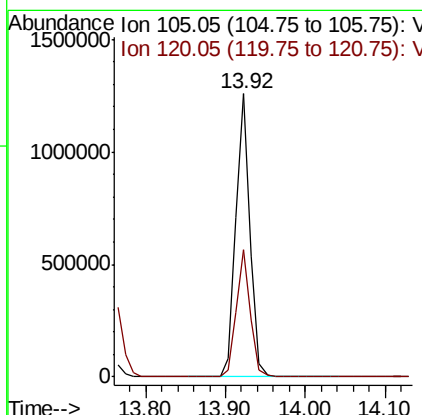
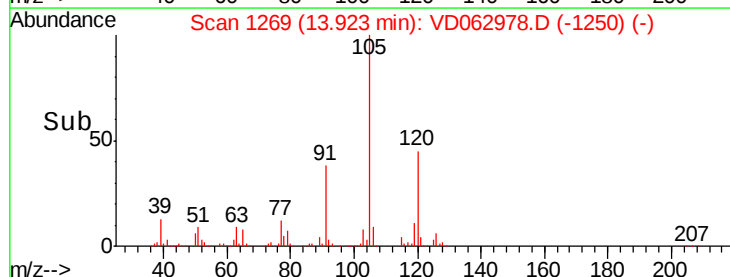
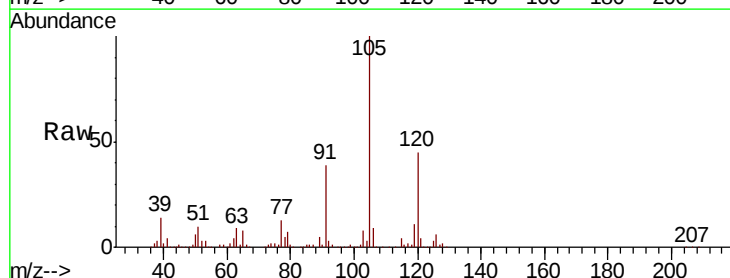
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 1231610
 Ion Ratio Lower Upper
 91 100
 126 30.3 15.7 47.1



#80
 1,3,5-Trimethylbenzene
 Concen: 58.178 ug/l
 RT: 13.92 min Scan# 1269
 Delta R.T. -0.02 min
 Lab File: VD062978.D
 Acq: 28 Jun 2019 20:52

Tgt Ion: 105 Resp: 1578283
 Ion Ratio Lower Upper
 105 100
 120 44.9 23.1 69.2





#81

trans-1,4-Dichloro-2-butene

Concen: 60.221 ug/l

RT: 13.46 min Scan# 1222

Delta R.T. -0.02 min

Lab File: VD062978.D

Acq: 28 Jun 2019 20:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

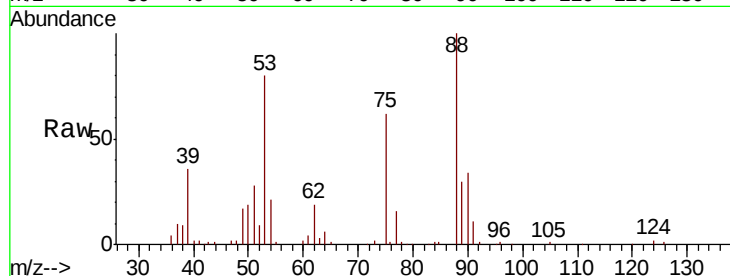
Tot Ion: 75 Resp: 91778

Ion Ratio Lower Upper

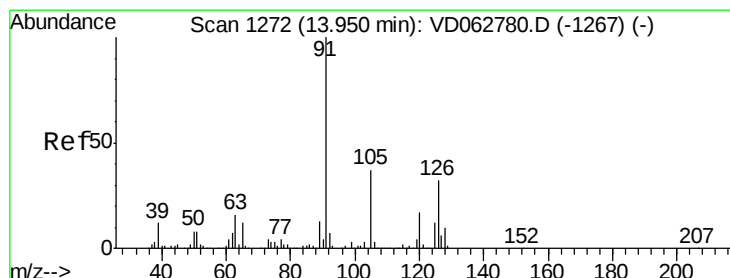
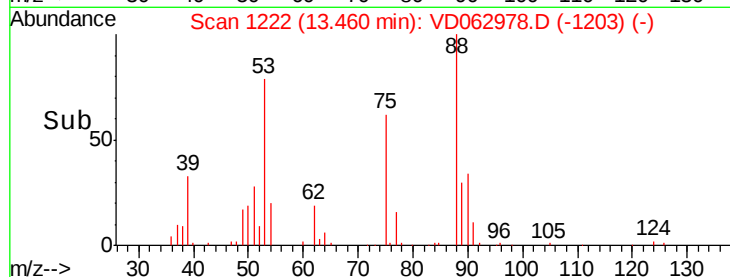
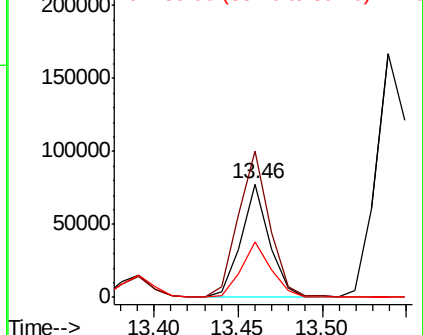
75 100

53 128.8 97.8 146.8

89 48.7 39.4 59.2



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



#82

4-Chlorotoluene

Concen: 58.112 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. -0.02 min

Lab File: VD062978.D

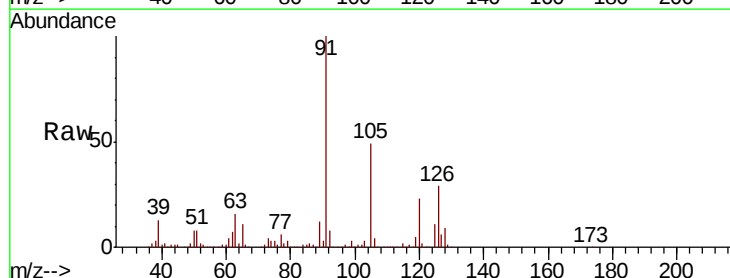
Acq: 28 Jun 2019 20:52

Tgt Ion: 91 Resp: 1502936

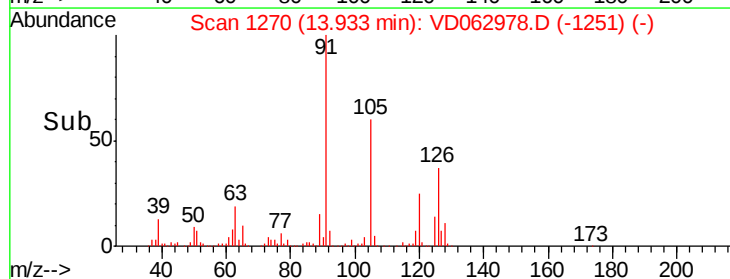
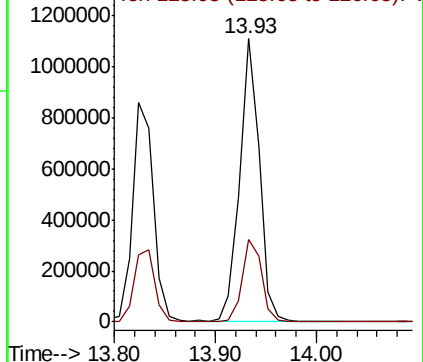
Ion Ratio Lower Upper

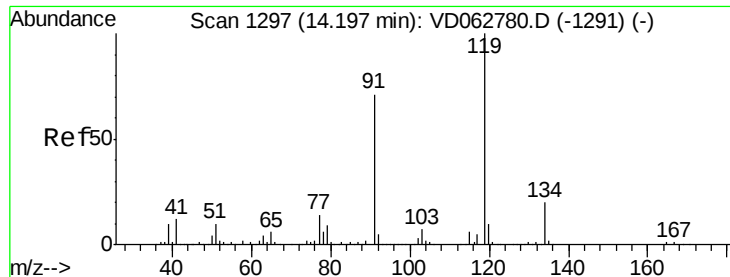
91 100

126 29.2 16.0 47.9



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

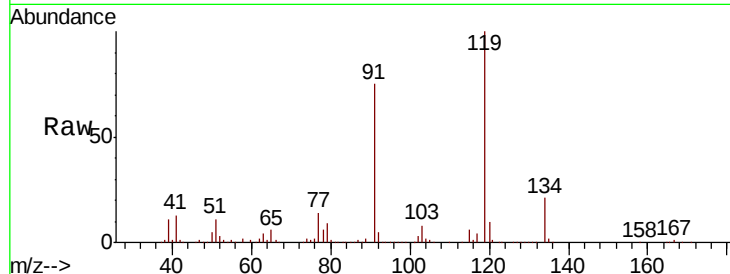




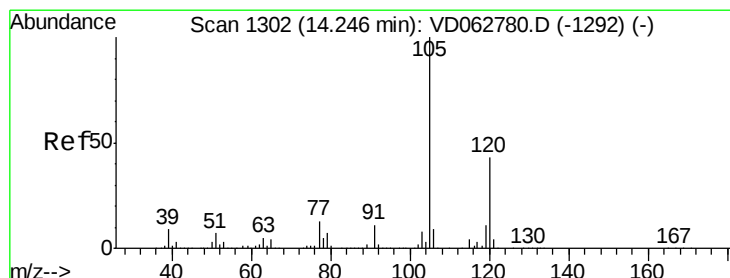
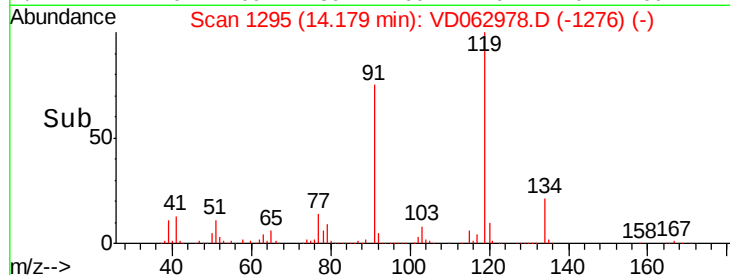
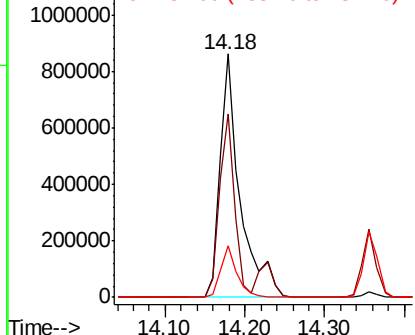
#83
tert-Butylbenzene
Concen: 50.292 ug/l
RT: 14.18 min Scan# 1295
Delta R.T. -0.02 min
Lab File: VD062978.D
Acq: 28 Jun 2019 20:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:119 Resp: 1520758
Ion Ratio Lower Upper
119 100
91 75.4 35.5 106.5
134 21.3 10.2 30.6

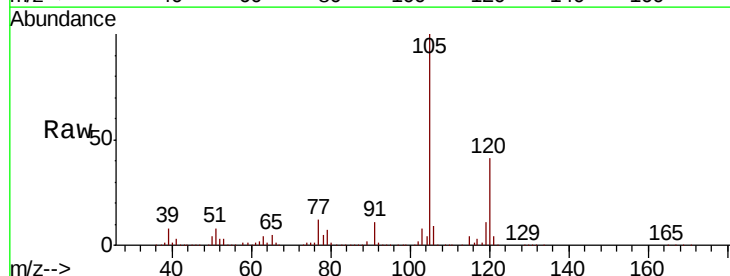


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

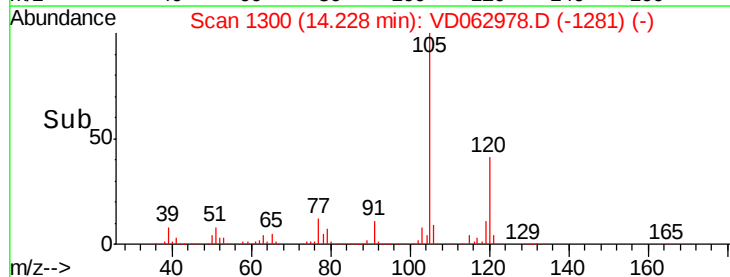
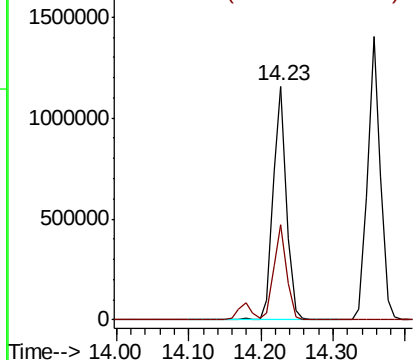


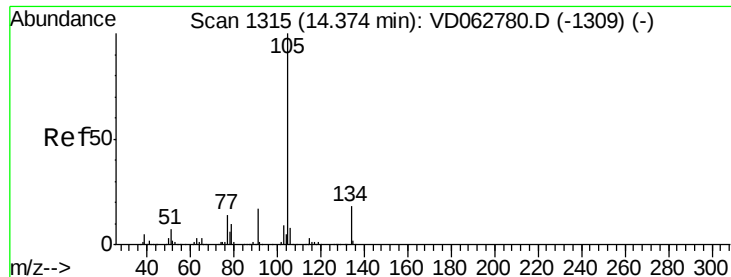
#84
1,2,4-Trimethylbenzene
Concen: 52.732 ug/l
RT: 14.23 min Scan# 1300
Delta R.T. -0.02 min
Lab File: VD062978.D
Acq: 28 Jun 2019 20:52

Tgt Ion:105 Resp: 1466224
Ion Ratio Lower Upper
105 100
120 40.7 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: 51.902 ug/l

RT: 14.36 min Scan# 1313

Delta R.T. -0.02 min

Lab File: VD062978.D

Acq: 28 Jun 2019 20:52

Instrument :

MSVOA_D

ClientSampleId :

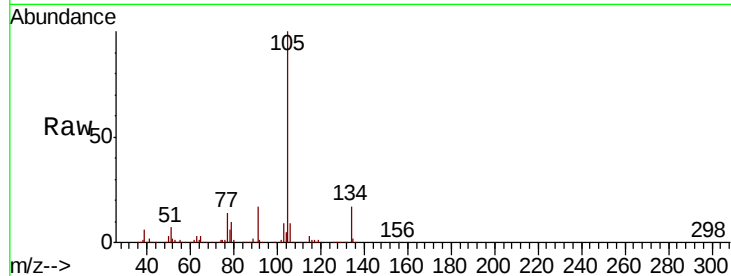
VSTDCCC050EC

Tot Ion:105 Resp: 1705785

Ion Ratio Lower Upper

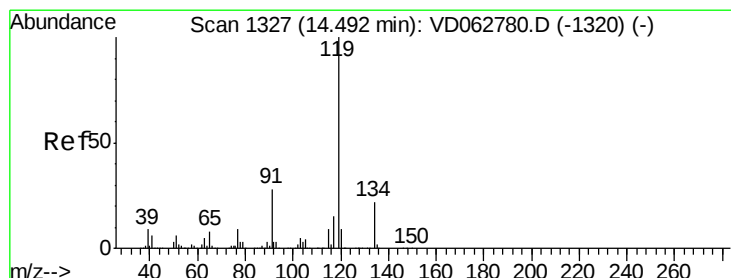
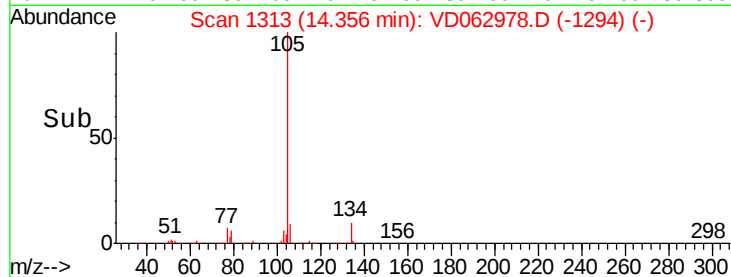
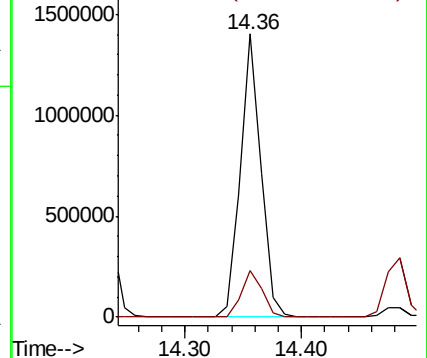
105 100

134 16.5 9.1 27.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 53.297 ug/l

RT: 14.48 min Scan# 1326

Delta R.T. -0.01 min

Lab File: VD062978.D

Acq: 28 Jun 2019 20:52

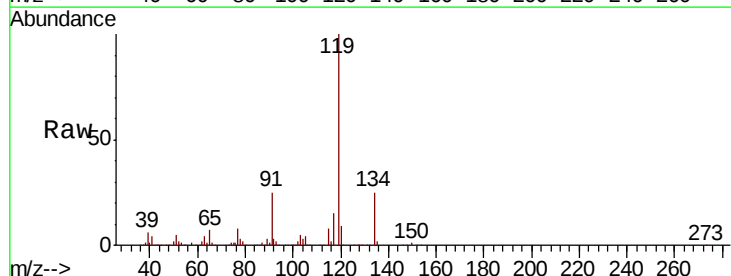
Tgt Ion:119 Resp: 1602440

Ion Ratio Lower Upper

119 100

134 24.5 11.1 33.1

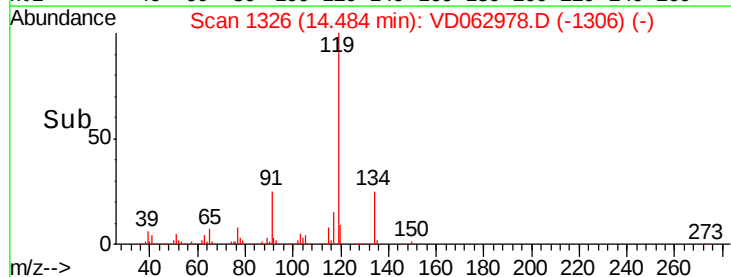
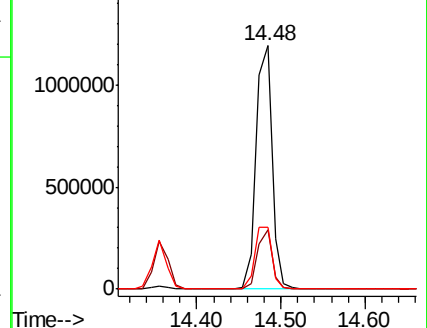
91 25.5 14.0 41.9



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

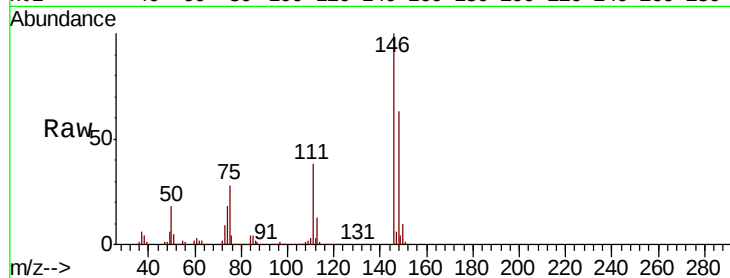




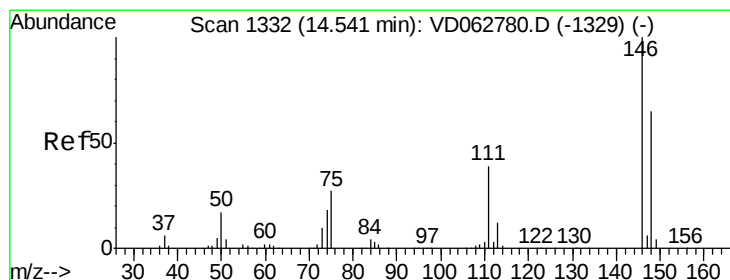
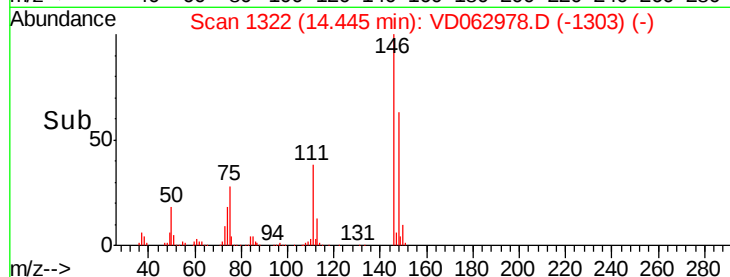
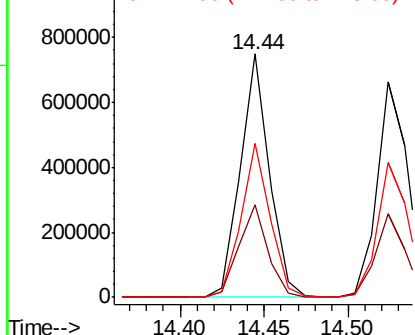
#87
 1,3-Dichlorobenzene
 Concen: 57.628 ug/l
 RT: 14.44 min Scan# 1322
 Delta R.T. -0.02 min
 Lab File: VD062978.D
 Acq: 28 Jun 2019 20:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:146 Resp: 897391
 Ion Ratio Lower Upper
 146 100
 111 38.1 19.0 57.0
 148 63.1 30.8 92.3

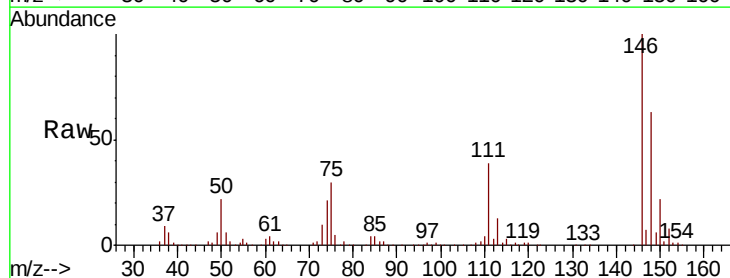


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

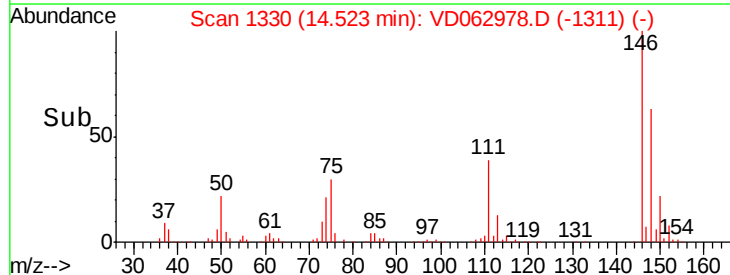
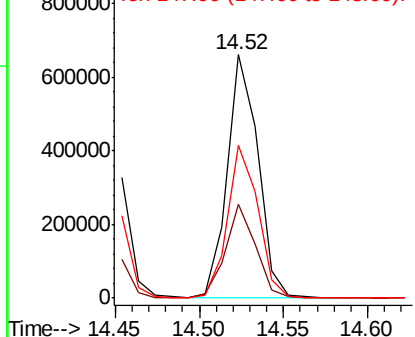


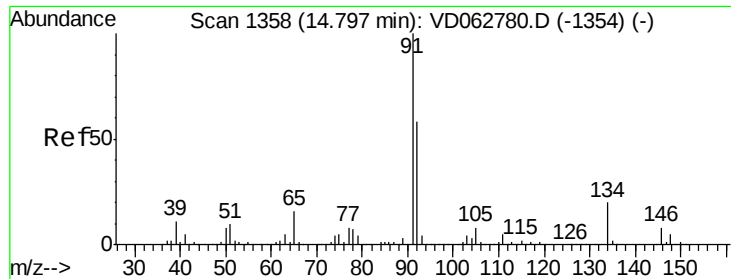
#88
 1,4-Dichlorobenzene
 Concen: 53.415 ug/l
 RT: 14.52 min Scan# 1330
 Delta R.T. -0.02 min
 Lab File: VD062978.D
 Acq: 28 Jun 2019 20:52

Tgt Ion:146 Resp: 835442
 Ion Ratio Lower Upper
 146 100
 111 38.7 19.7 59.1
 148 62.6 32.8 98.3



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





#89

n-Butylbenzene

Concen: 50.729 ug/l

RT: 14.79 min Scan# 1357

Delta R.T. -0.01 min

Lab File: VD062978.D

Acq: 28 Jun 2019 20:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

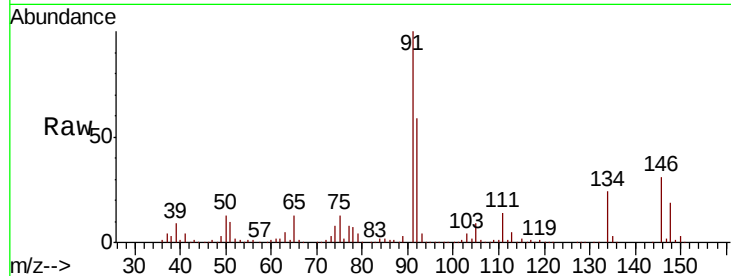
Tot Ion: 91 Resp: 1427560

Ion	Ratio	Lower	Upper
91	100		
92	58.9	28.9	86.7
134	24.2	10.1	30.3

91 100

92 58.9 28.9 86.7

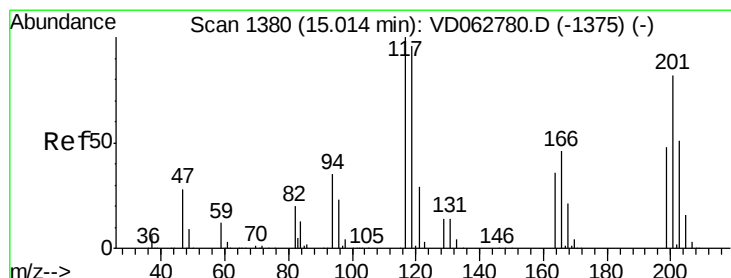
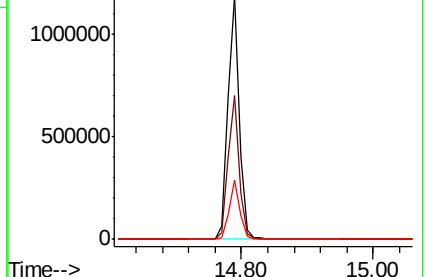
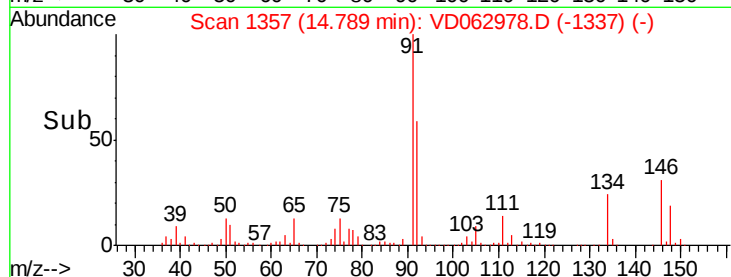
134 24.2 10.1 30.3



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: 53.510 ug/l

RT: 15.00 min Scan# 1378

Delta R.T. -0.02 min

Lab File: VD062978.D

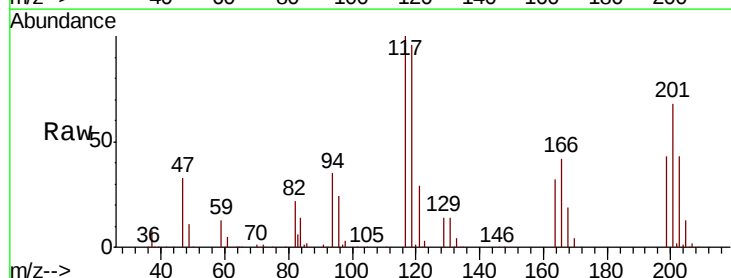
Acq: 28 Jun 2019 20:52

Tgt Ion: 117 Resp: 432575

Ion	Ratio	Lower	Upper
117	100		
201	67.8	40.8	122.2

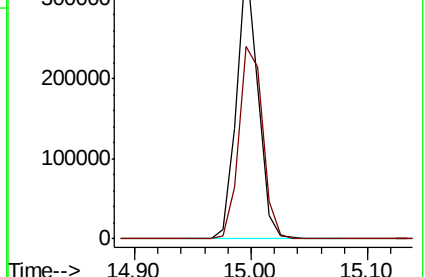
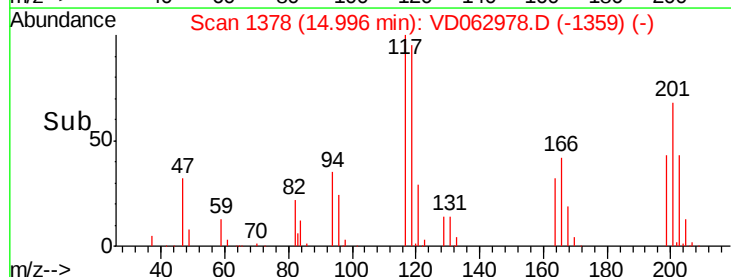
117 100

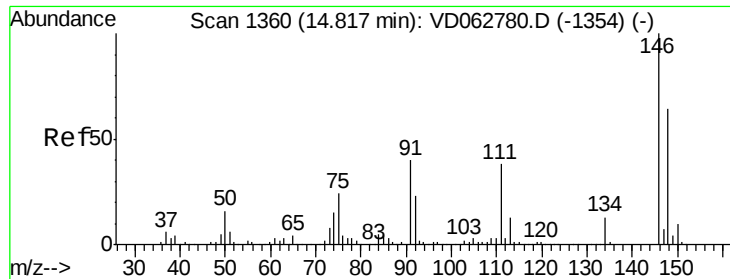
201 67.8 40.8 122.2



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC





#91

1,2-Dichlorobenzene

Concen: 55.923 ug/l

RT: 14.80 min Scan# 1358

Delta R.T. -0.02 min

Lab File: VD062978.D

Acq: 28 Jun 2019 20:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

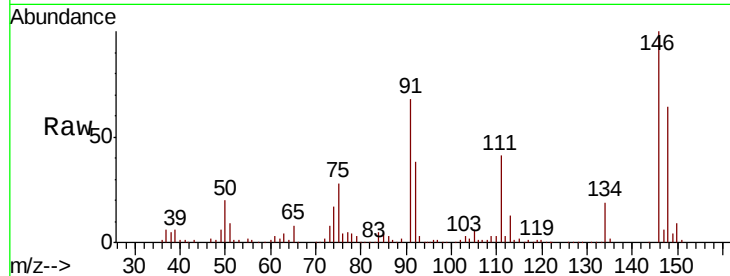
Tot Ion:146 Resp: 745068

Ion Ratio Lower Upper

146 100

111 40.5 19.1 57.1

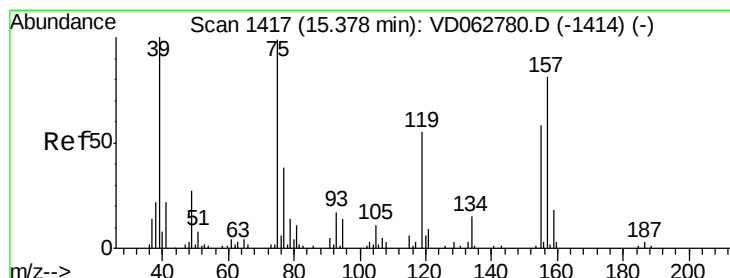
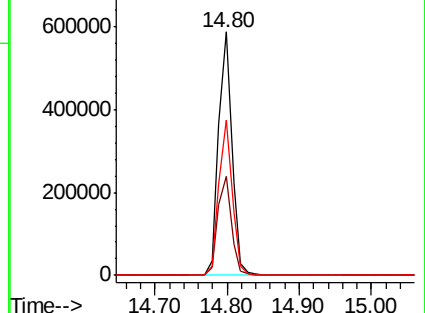
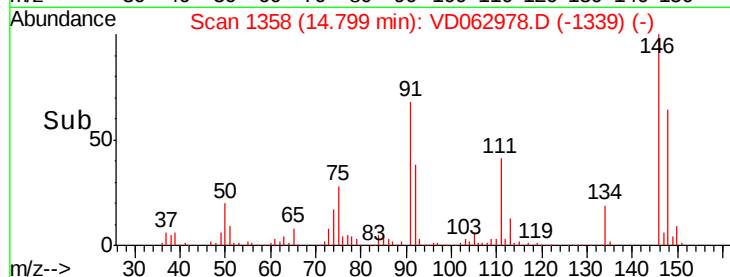
148 63.5 32.3 96.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 61.603 ug/l

RT: 15.37 min Scan# 1416

Delta R.T. -0.01 min

Lab File: VD062978.D

Acq: 28 Jun 2019 20:52

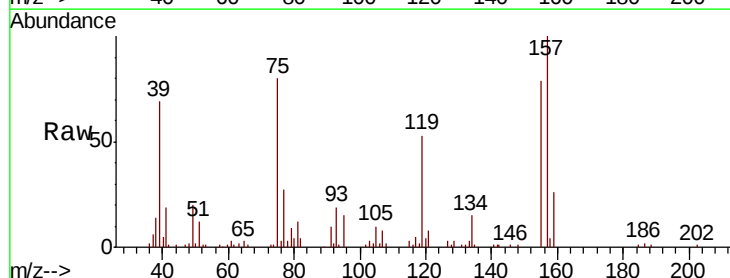
Tgt Ion: 75 Resp: 63272

Ion Ratio Lower Upper

75 100

155 97.9 29.3 87.8#

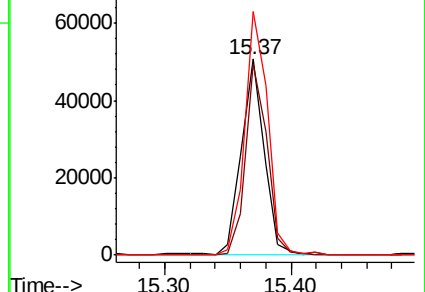
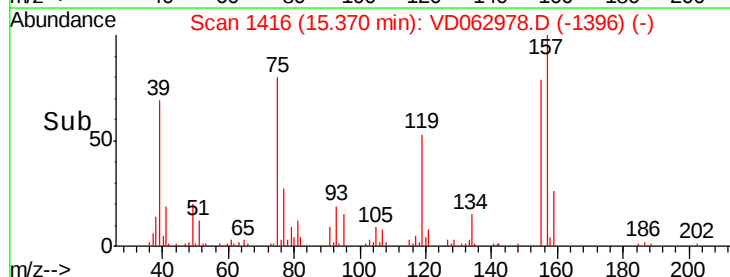
157 124.4 41.3 123.7#

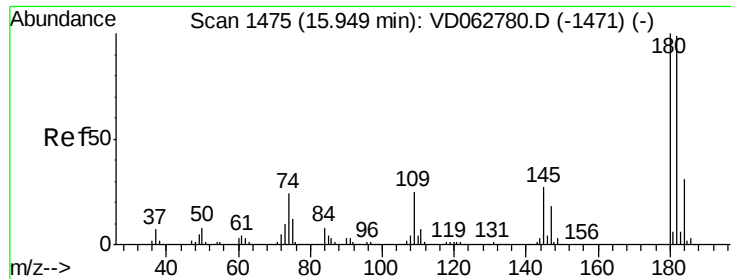


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

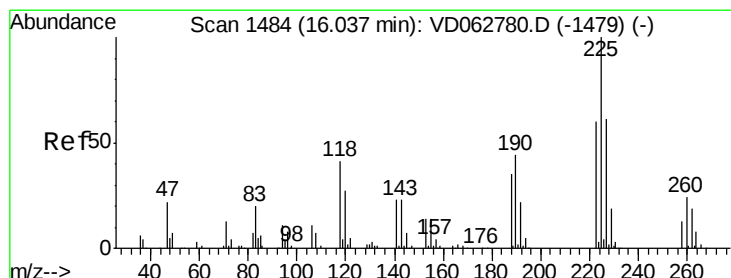
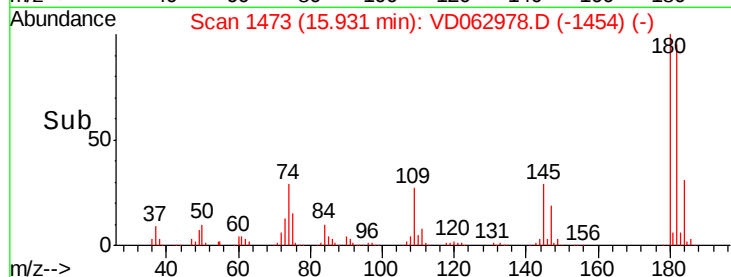
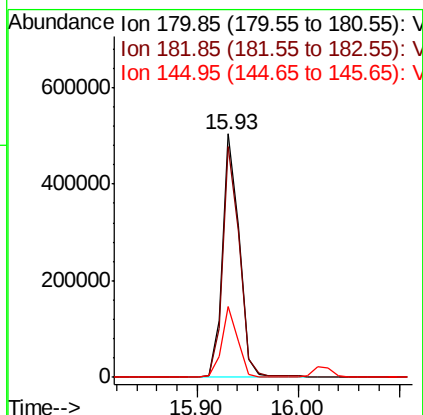
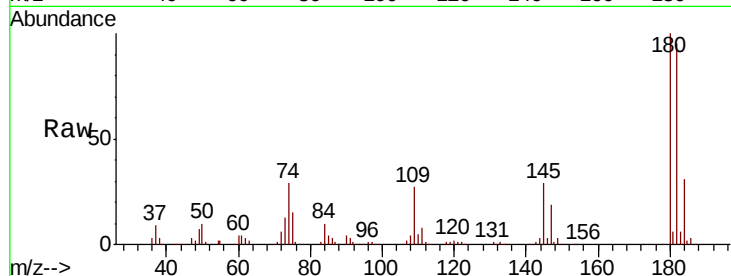




#93
 1,2,4-Trichlorobenzene
 Concen: 56.781 ug/l
 RT: 15.93 min Scan# 1473
 Delta R.T. -0.02 min
 Lab File: VD062978.D
 Acq: 28 Jun 2019 20:52

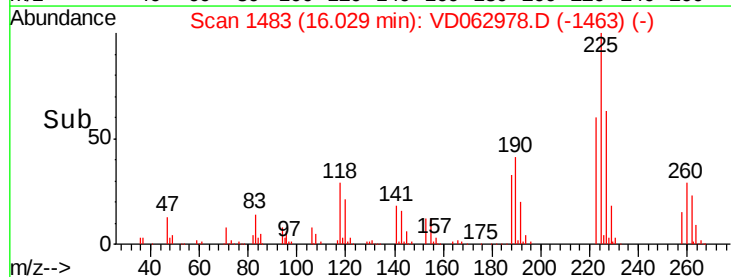
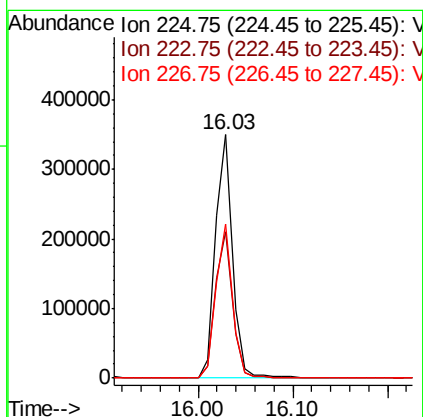
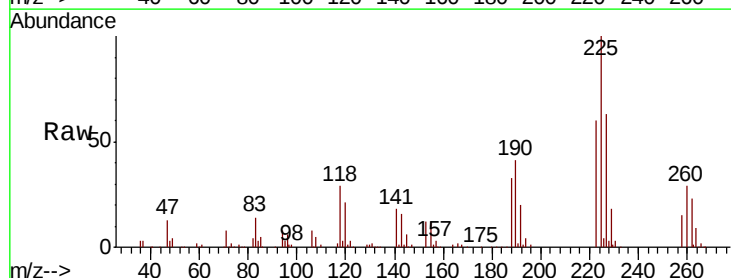
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

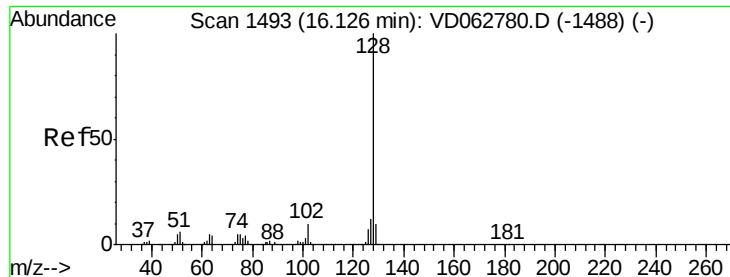
Tot Ion:180 Resp: 590951
 Ion Ratio Lower Upper
 180 100
 182 94.8 49.5 148.5
 145 28.9 13.7 41.0



#94
 Hexachlorobutadiene
 Concen: 54.907 ug/l
 RT: 16.03 min Scan# 1483
 Delta R.T. -0.01 min
 Lab File: VD062978.D
 Acq: 28 Jun 2019 20:52

Tgt Ion:225 Resp: 436561
 Ion Ratio Lower Upper
 225 100
 223 60.3 29.8 89.5
 227 63.5 30.6 91.6

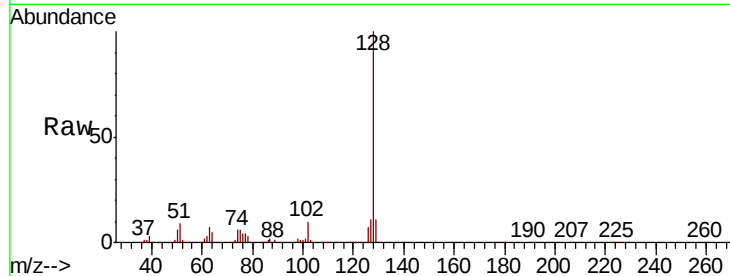




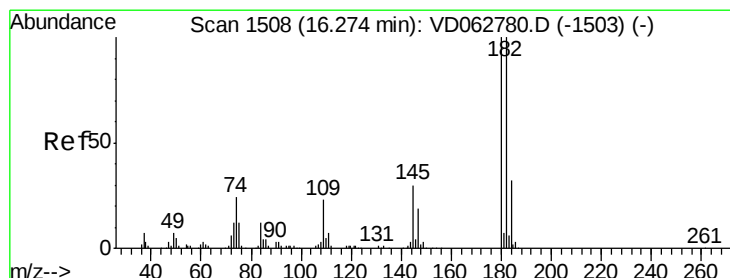
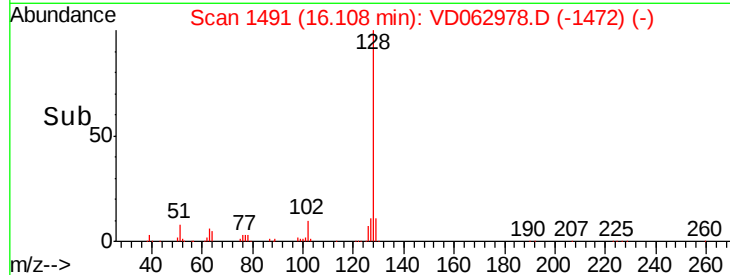
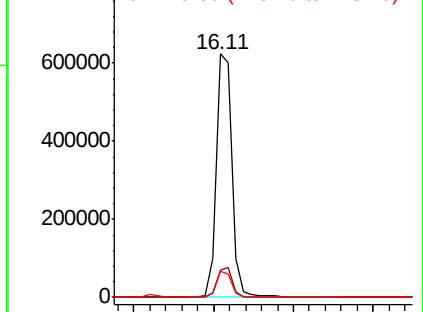
#95
Naphthalene
Concen: 59.704 ug/l
RT: 16.11 min Scan# 1491
Delta R.T. -0.02 min
Lab File: VD062978.D
Acq: 28 Jun 2019 20:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 870908
Ion Ratio Lower Upper
128 100
127 11.1 9.7 14.5
129 10.5 8.3 12.5

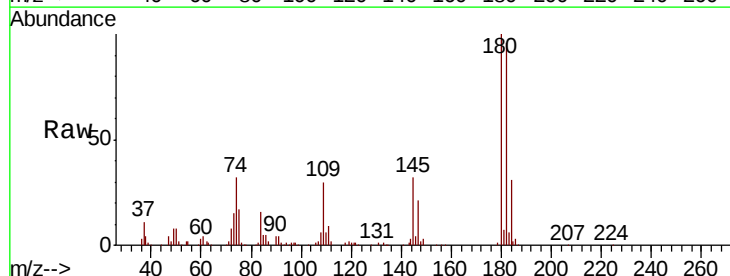


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 58.908 ug/l
RT: 16.26 min Scan# 1506
Delta R.T. -0.02 min
Lab File: VD062978.D
Acq: 28 Jun 2019 20:52

Tgt Ion:180 Resp: 471053
Ion Ratio Lower Upper
180 100
182 96.2 49.9 149.6
145 32.4 15.2 45.5



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

