

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061919\
 Data File : VD062783.D
 Acq On : 19 Jun 2019 17:14
 Operator : VA/AP
 Sample : VSTDICV050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD061919

Quant Time: Jun 20 02:03:04 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	7.05	168	1034508	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1403802	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.38	117	1184545	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	615206	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	601598	53.50	ug/l	0.00
Spiked Amount			Recovery	=	107.00%	
35) Dibromofluoromethane	6.93	113	640122	54.08	ug/l	0.00
Spiked Amount			Recovery	=	108.16%	
50) Toluene-d8	10.42	98	1458631	56.62	ug/l	0.00
Spiked Amount			Recovery	=	113.24%	
62) 4-Bromofluorobenzene	13.56	95	604268	51.58	ug/l	0.00
Spiked Amount			Recovery	=	103.16%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	620101	46.321	ug/l	100
3) Chloromethane	1.74	50	471785	46.861	ug/l	95
4) Vinyl Chloride	1.84	62	509126	51.003	ug/l	97
5) Bromomethane	2.16	94	252009	53.908	ug/l	93
6) Chloroethane	2.27	64	216645	47.938	ug/l #	88
7) Trichlorofluoromethane	2.53	101	984443	48.730	ug/l	98
8) Diethyl Ether	2.88	74	128877	50.209	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.15	101	559036	51.080	ug/l	97
10) Methyl Iodide	3.31	142	736638	51.018	ug/l	99
11) Tert butyl alcohol	4.08	59	105090	205.195	ug/l	99
12) 1,1-Dichloroethene	3.13	96	418278	50.946	ug/l	92
13) Acrolein	3.03	56	117035	223.844	ug/l	99
14) Allyl chloride	3.62	41	649490	53.538	ug/l	97
15) Acrylonitrile	4.20	53	307720	255.707	ug/l	91
16) Acetone	3.22	43	572247	250.971	ug/l	99
17) Carbon Disulfide	3.38	76	1329937	50.684	ug/l	95
18) Methyl Acetate	3.64	43	165530	48.763	ug/l	99
19) Methyl tert-butyl Ether	4.24	73	928781	52.256	ug/l	99
20) Methylene Chloride	3.82	84	412732	48.127	ug/l	100
21) trans-1,2-Dichloroethene	4.23	96	464238	53.104	ug/l	94
22) Diisopropyl ether	5.13	45	1311913	53.176	ug/l	98
23) Vinyl Acetate	5.06	43	4183449	270.987	ug/l	99
24) 1,1-Dichloroethane	4.99	63	823993	51.298	ug/l	98
25) 2-Butanone	6.08	43	554536	263.670	ug/l	97
26) 2,2-Dichloropropane	6.04	77	932436	54.766	ug/l	100
27) cis-1,2-Dichloroethene	6.04	96	483921	52.346	ug/l	91
28) Bromochloromethane	6.45	49	279250	49.361	ug/l	98
29) Tetrahydrofuran	6.47	42	245095	246.307	ug/l	98
30) Chloroform	6.67	83	1016158	52.018	ug/l	98
31) Cyclohexane	6.96	56	538394	50.985	ug/l	95
32) 1,1,1-Trichloroethane	6.88	97	1011948	49.735	ug/l	93
36) 1,1-Dichloropropene	7.15	75	695292	52.321	ug/l	98
37) Ethyl Acetate	6.19	43	265744	47.551	ug/l	98
38) Carbon Tetrachloride	7.12	117	996579	49.864	ug/l	98

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	634260	54.222	ug/l	95
40) Benzene	7.46	78	1410823	52.889	ug/l	97
41) Methacrylonitrile	6.46	41	334716	47.761	ug/l #	94
42) 1,2-Dichloroethane	7.58	62	709406	48.750	ug/l	99
43) Isopropyl Acetate	9.25	43	358932	51.519	ug/l #	94
44) Trichloroethene	8.55	130	554394	53.013	ug/l	96
45) 1,2-Dichloropropane	8.95	63	341912	51.548	ug/l	100
46) Dibromomethane	9.07	93	270738	47.517	ug/l	95
47) Bromodichloromethane	9.38	83	778806	52.630	ug/l	99
48) Methyl methacrylate	9.13	41	236891	47.848	ug/l	94
49) 1,4-Dioxane	9.09	88	40148	974.701	ug/l #	92
51) 4-Methyl-2-Pentanone	10.31	43	1198414	242.617	ug/l	100
52) Toluene	10.52	92	926147	51.650	ug/l	99
53) t-1,3-Dichloropropene	10.92	75	631268	52.121	ug/l	94
54) cis-1,3-Dichloropropene	10.04	75	700683	53.225	ug/l	95
55) 1,1,2-Trichloroethane	11.19	97	292529	47.485	ug/l	96
56) Ethyl methacrylate	11.05	69	345168	52.429	ug/l	95
57) 1,3-Dichloropropane	11.41	76	482684	51.172	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.87	63	859662	254.345	ug/l	97
59) 2-Hexanone	11.54	43	928958	264.067	ug/l	99
60) Dibromochloromethane	11.70	129	565485	49.281	ug/l	99
61) 1,2-Dibromoethane	11.82	107	339849	46.710	ug/l	100
64) Tetrachloroethene	11.26	164	499341	51.219	ug/l	98
65) Chlorobenzene	12.41	112	1100292	50.050	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.52	131	516778	50.266	ug/l	93
67) Ethyl Benzene	12.53	91	1968087	49.863	ug/l	99
68) m/p-Xylenes	12.67	106	1411227	102.658	ug/l	92
69) o-Xylene	13.06	106	639500	50.888	ug/l	96
70) Styrene	13.08	104	1112495	50.401	ug/l	98
71) Bromoform	13.24	173	350687	49.786	ug/l	96
73) Isopropylbenzene	13.41	105	1925147	48.805	ug/l	99
74) N-amyl acetate	13.27	43	522151	54.508	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.71	83	326579	50.813	ug/l	98
76) 1,2,3-Trichloropropane	13.73	75	360149	50.710	ug/l	96
77) Bromobenzene	13.68	156	541347	51.023	ug/l	92
78) n-propylbenzene	13.78	91	2357727	51.354	ug/l	100
79) 2-Chlorotoluene	13.84	91	1356845	51.714	ug/l	99
80) 1,3,5-Trimethylbenzene	13.94	105	1726964	52.122	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.48	75	104104	55.929	ug/l	97
82) 4-Chlorotoluene	13.95	91	1602206	50.723	ug/l	98
83) tert-Butylbenzene	14.20	119	1889328	51.157	ug/l	98
84) 1,2,4-Trimethylbenzene	14.25	105	1726714	50.846	ug/l	100
85) sec-Butylbenzene	14.37	105	2016442	50.235	ug/l	97
86) p-Isopropyltoluene	14.49	119	1976467	53.823	ug/l	99
87) 1,3-Dichlorobenzene	14.46	146	939502	49.398	ug/l	95
88) 1,4-Dichlorobenzene	14.54	146	946839	49.566	ug/l	98
89) n-Butylbenzene	14.81	91	1803869	52.484	ug/l	96
90) Hexachloroethane	15.01	117	496712	50.308	ug/l	98
91) 1,2-Dichlorobenzene	14.82	146	850147	52.246	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.39	75	68733	54.792	ug/l #	50

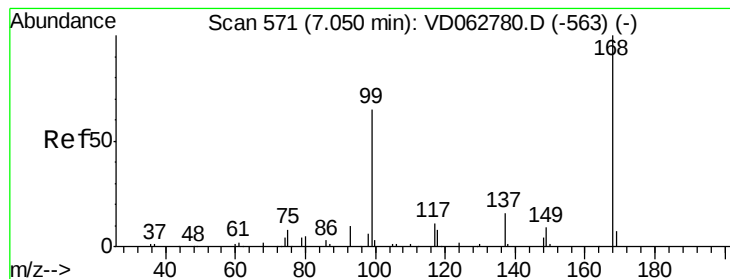
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061919\
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QLast Update : Thu Jun 20 01:50:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	632693	49.775	ug/l	96
94) Hexachlorobutadiene	16.04	225	500543	51.545	ug/l	98
95) Naphthalene	16.13	128	828927	46.527	ug/l	100
96) 1,2,3-Trichlorobenzene	16.27	180	522474	53.497	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.00 min

Lab File: VD062783.D

Acq: 19 Jun 2019 17:14

Instrument :

MSVOA_D

ClientSampleId :

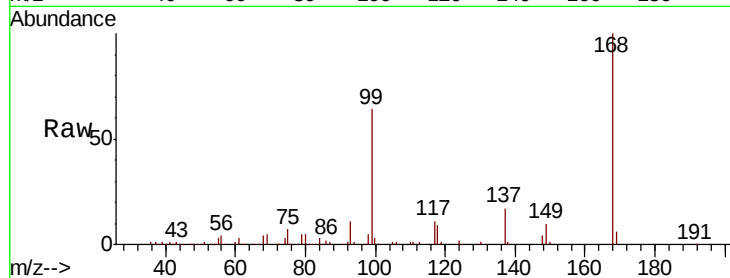
ICVVD061919

Tot Ion:168 Resp: 1034508

Ion Ratio Lower Upper

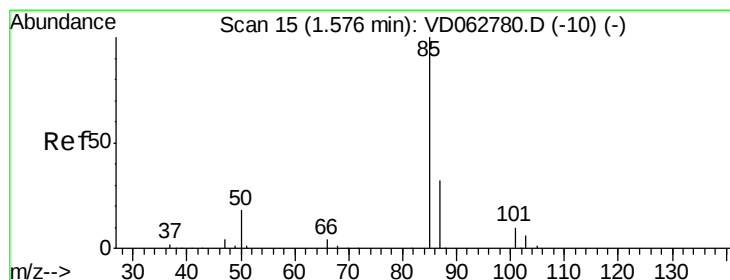
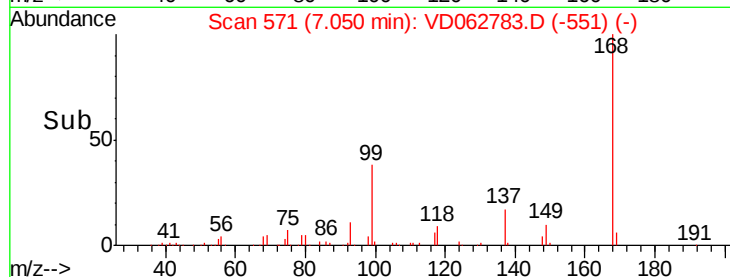
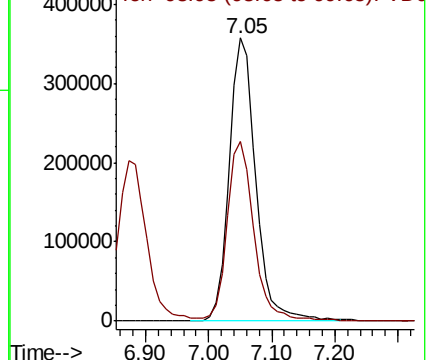
168 100

99 63.5 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 46.321 ug/l

RT: 1.58 min Scan# 15

Delta R.T. 0.00 min

Lab File: VD062783.D

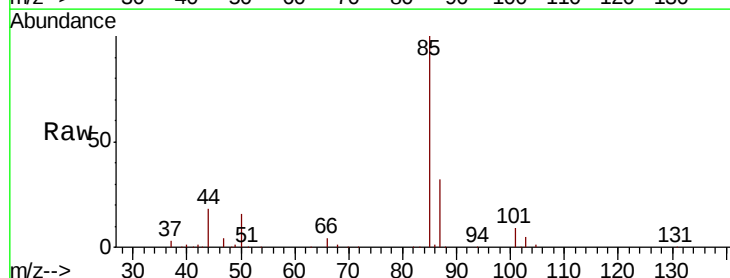
Acq: 19 Jun 2019 17:14

Tgt Ion: 85 Resp: 620101

Ion Ratio Lower Upper

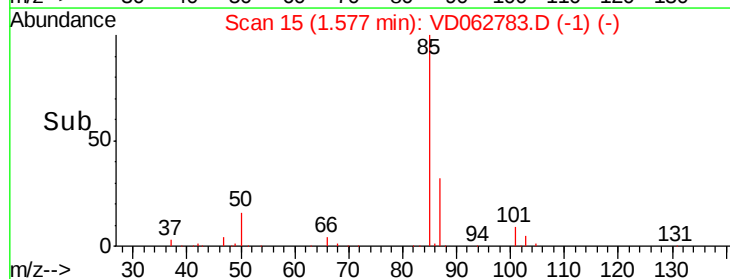
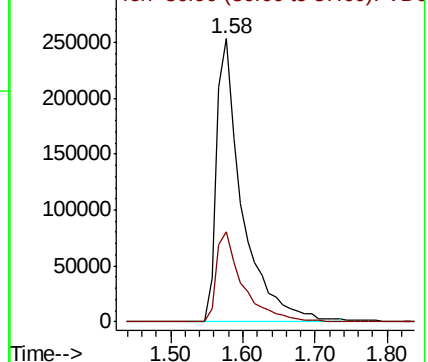
85 100

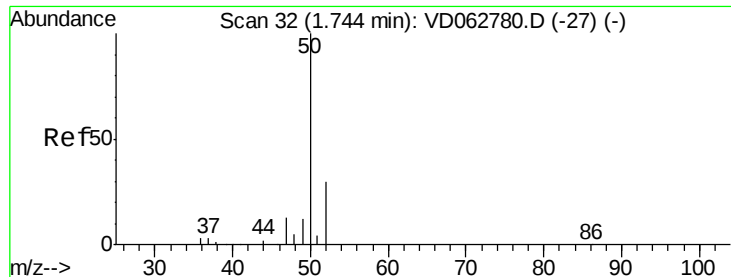
87 31.8 15.9 47.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 46.861 ug/l

RT: 1.74 min Scan# 32

Delta R.T. 0.00 min

Lab File: VD062783.D

Acq: 19 Jun 2019 17:14

Instrument :

MSVOA_D

ClientSampleId :

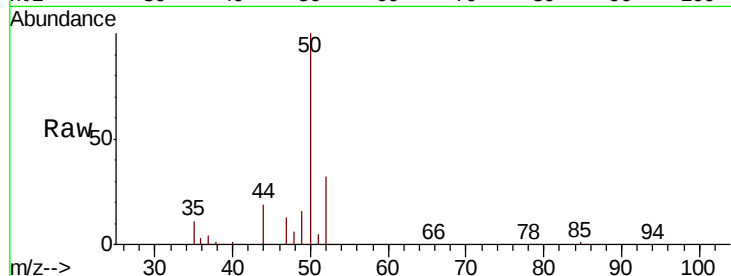
ICVVD061919

Tot Ion: 50 Resp: 471785

Ion Ratio Lower Upper

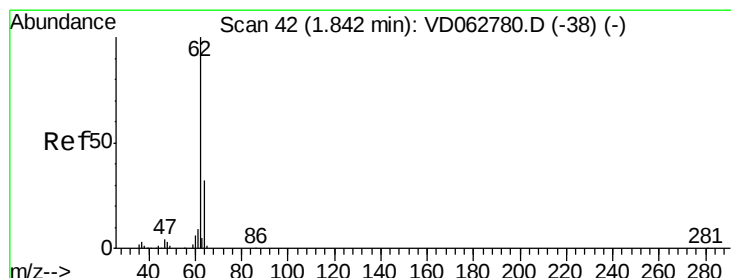
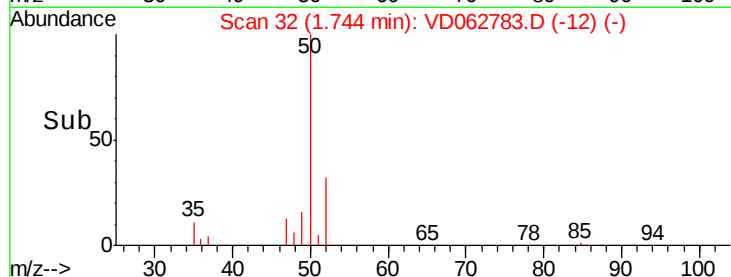
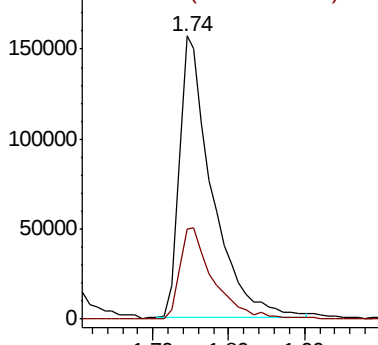
50 100

52 32.0 23.6 35.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 51.003 ug/l

RT: 1.84 min Scan# 42

Delta R.T. 0.00 min

Lab File: VD062783.D

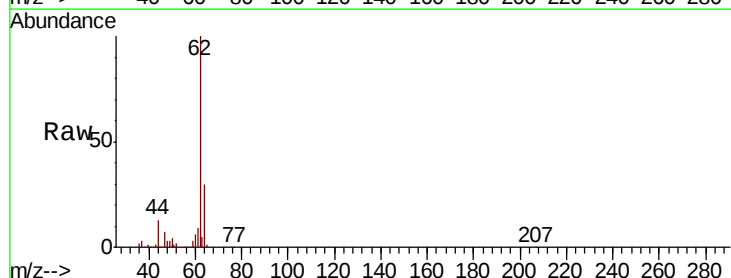
Acq: 19 Jun 2019 17:14

Tgt Ion: 62 Resp: 509126

Ion Ratio Lower Upper

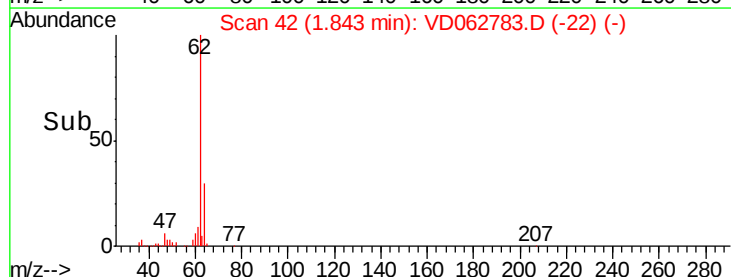
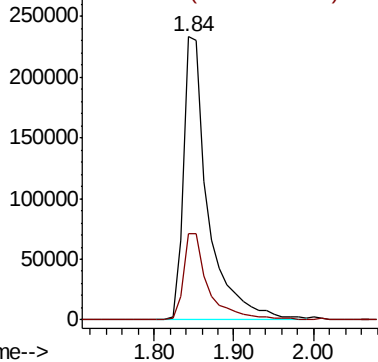
62 100

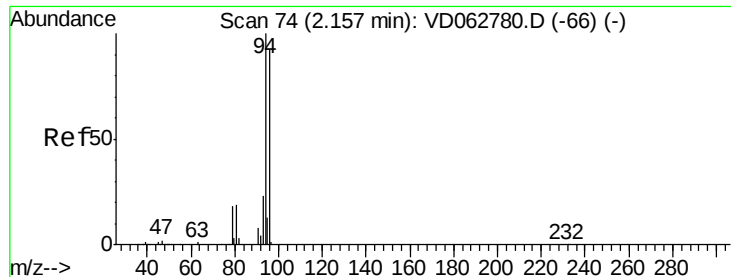
64 30.4 25.6 38.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 53.908 ug/l

RT: 2.16 min Scan# 74

Delta R.T. 0.00 min

Lab File: VD062783.D

Acq: 19 Jun 2019 17:14

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ICVVD061919

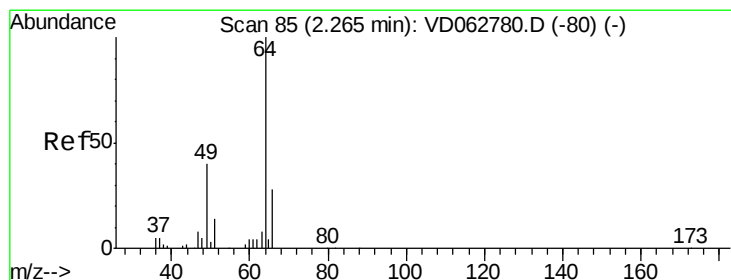
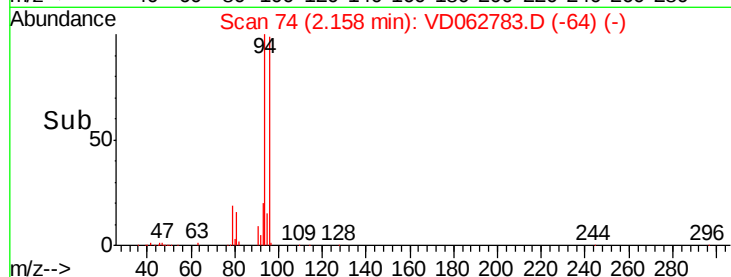
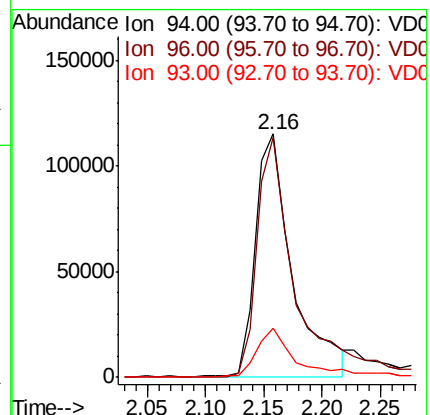
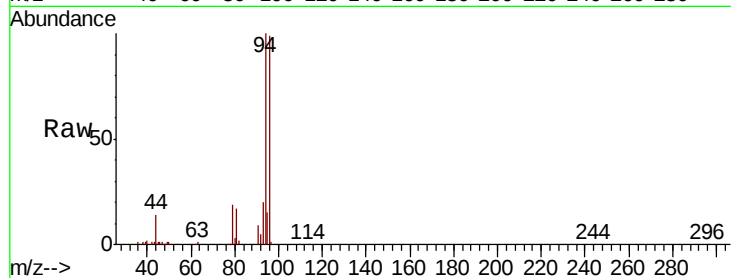
Tot Ion: 94 Resp: 252009

Ion Ratio Lower Upper

94 100

96 98.7 73.4 110.2

93 20.0 18.2 27.4



#6

Chloroethane

Concen: 47.938 ug/l

RT: 2.27 min Scan# 85

Delta R.T. 0.00 min

Lab File: VD062783.D

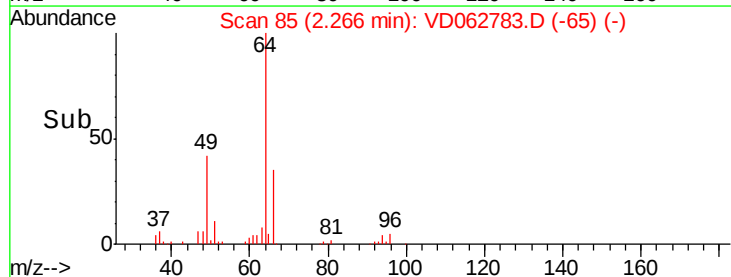
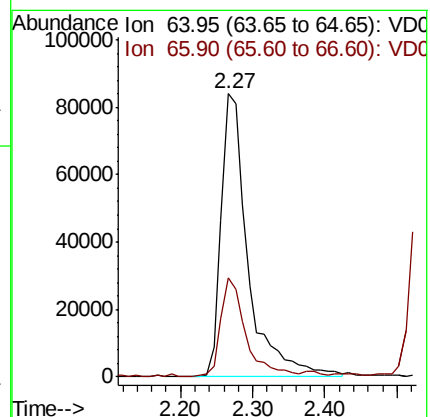
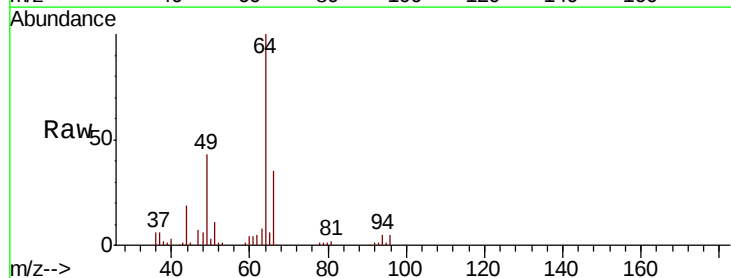
Acq: 19 Jun 2019 17:14

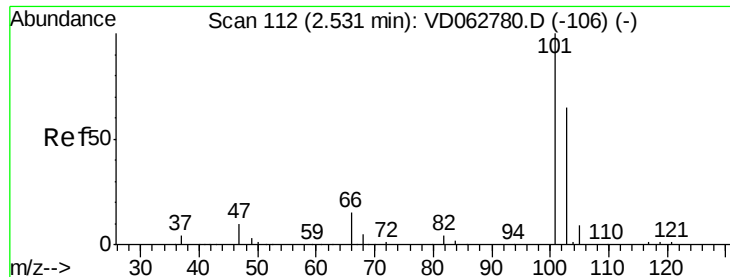
Tgt Ion: 64 Resp: 216645

Ion Ratio Lower Upper

64 100

66 35.2 23.0 34.4#



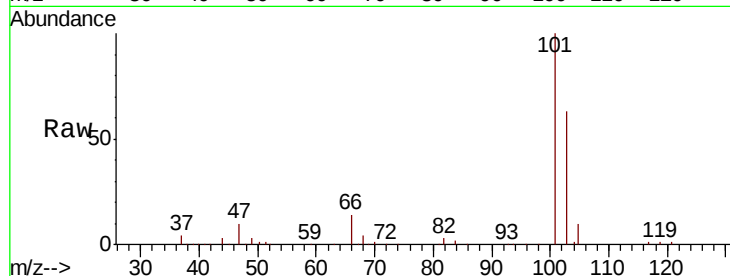


#7

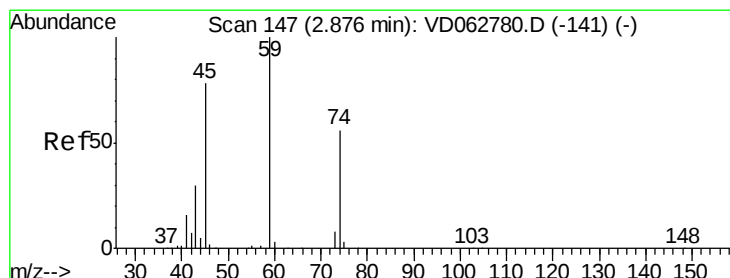
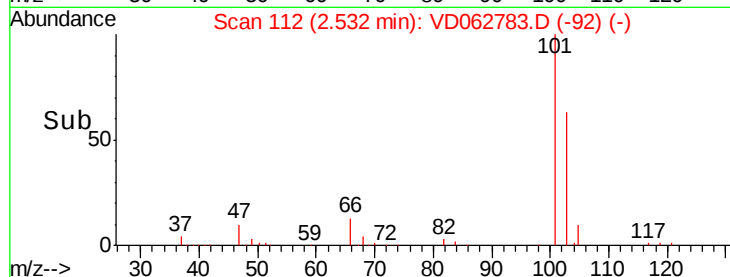
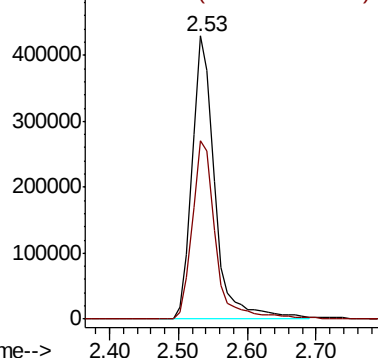
Trichlorofluoromethane
Concen: 48.730 ug/l
RT: 2.53 min Scan# 112
Delta R.T. 0.00 min
Lab File: VD062783.D
Acq: 19 Jun 2019 17:14

Instrument :
MSVOA_D
ClientSampleId :
ICVVD061919

Tot Ion:101 Resp: 984443
Ion Ratio Lower Upper
101 100
103 63.1 51.8 77.8



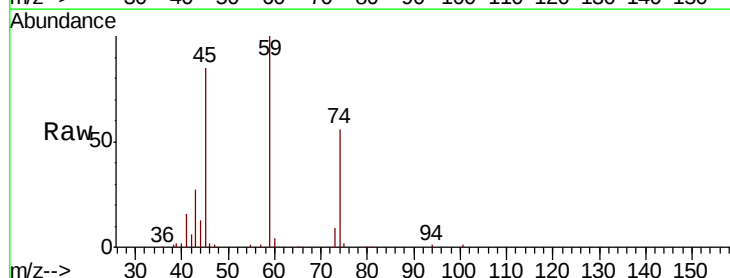
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



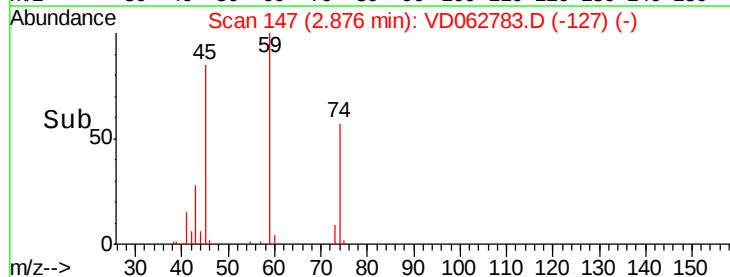
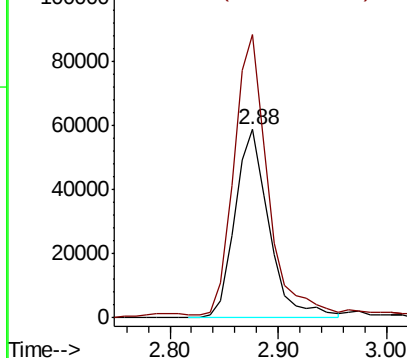
#8

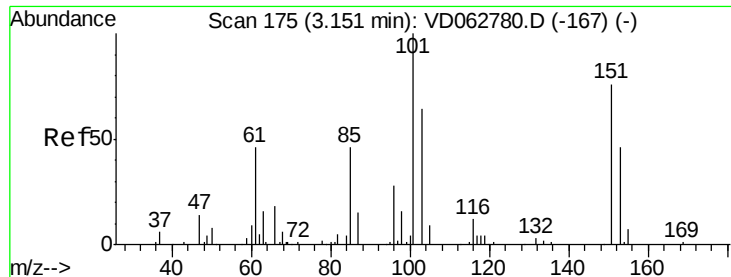
Diethyl Ether
Concen: 50.209 ug/l
RT: 2.88 min Scan# 147
Delta R.T. 0.00 min
Lab File: VD062783.D
Acq: 19 Jun 2019 17:14

Tgt Ion: 74 Resp: 128877
Ion Ratio Lower Upper
74 100
45 150.4 70.2 210.6



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.080 ug/l

RT: 3.15 min Scan# 175

Delta R.T. 0.00 min

Lab File: VD062783.D

Acq: 19 Jun 2019 17:14

Instrument :

MSVOA_D

ClientSampleId :

ICVVD061919

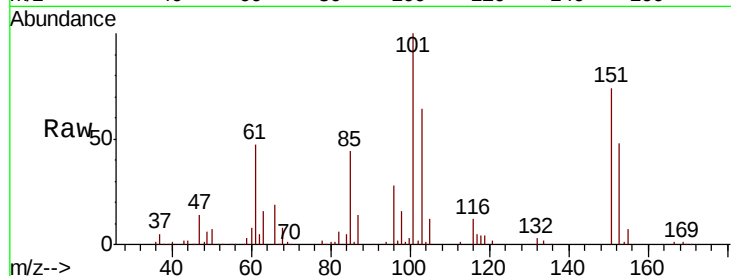
Tot Ion:101 Resp: 559036

Ion Ratio Lower Upper

101 100

85 43.5 37.0 55.4

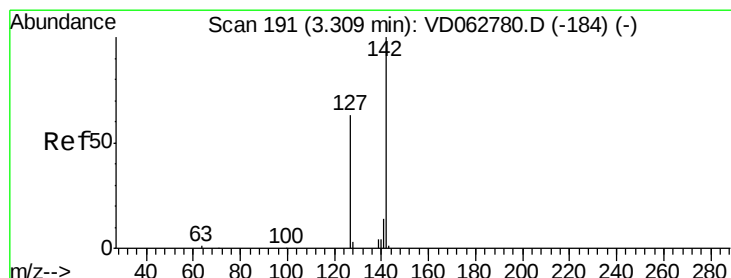
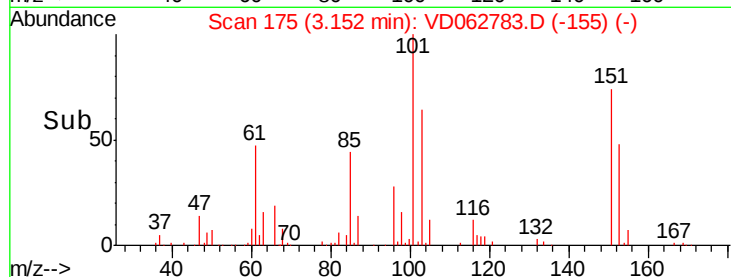
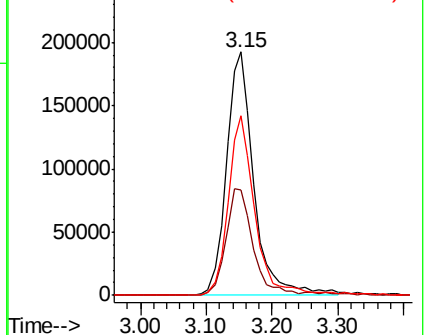
151 74.0 60.5 90.7



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 51.018 ug/l

RT: 3.31 min Scan# 191

Delta R.T. 0.00 min

Lab File: VD062783.D

Acq: 19 Jun 2019 17:14

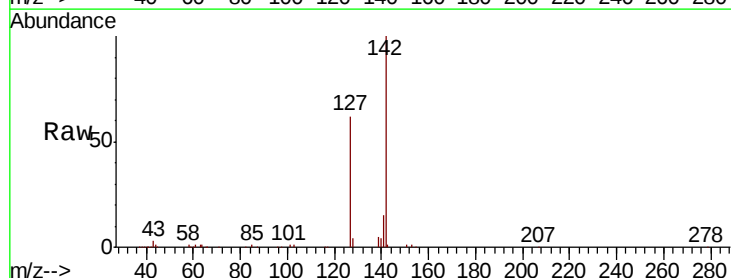
Tgt Ion:142 Resp: 736638

Ion Ratio Lower Upper

142 100

127 61.9 50.1 75.1

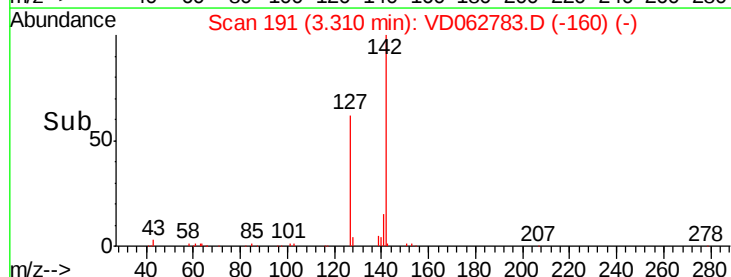
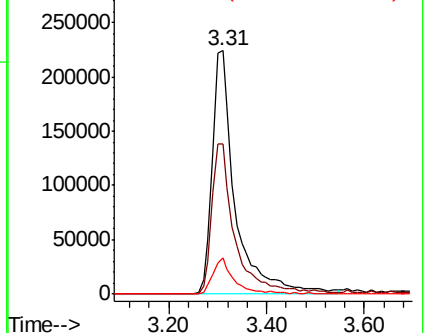
141 14.7 11.0 16.4

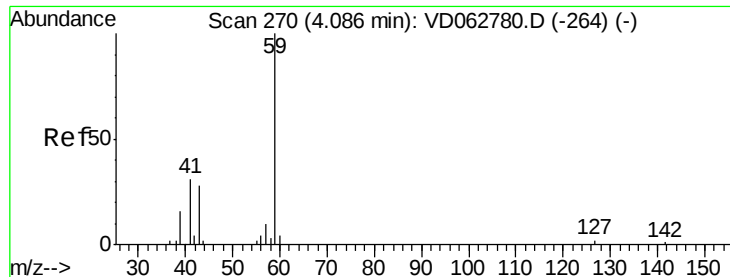


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



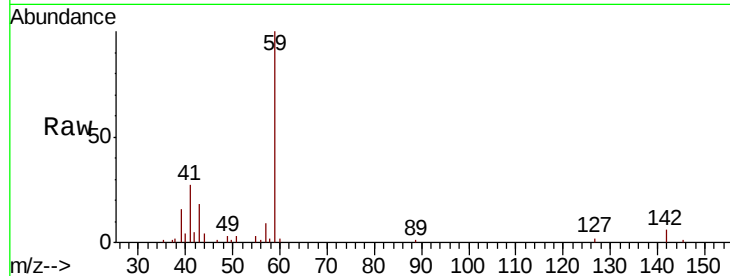


#11

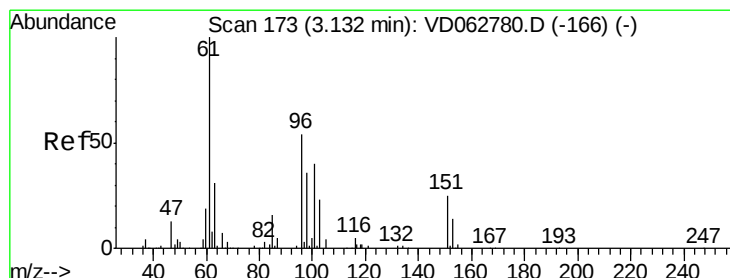
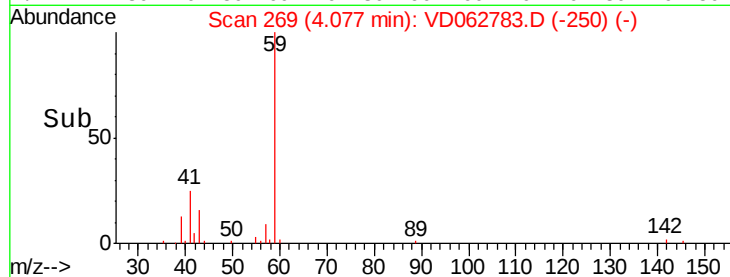
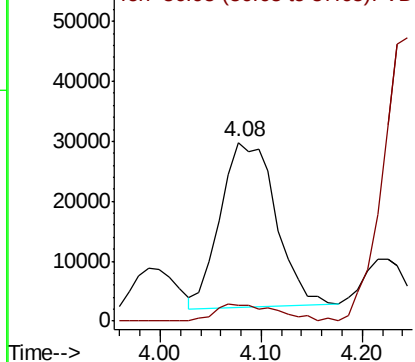
Tert butyl alcohol
 Concen: 205.195 ug/l
 RT: 4.08 min Scan# 269
 Delta R.T. -0.01 min
 Lab File: VD062783.D
 Acq: 19 Jun 2019 17:14

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD061919

Tot Ion: 59 Resp: 105090
 Ion Ratio Lower Upper
 59 100
 57 8.6 6.6 10.0



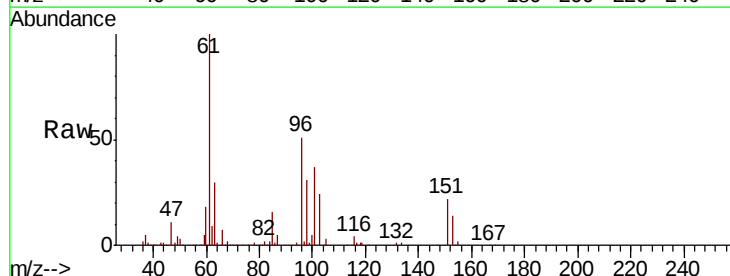
Abundance Ion 58.95 (58.65 to 59.65): VDC
 Ion 56.95 (56.65 to 57.65): VDC



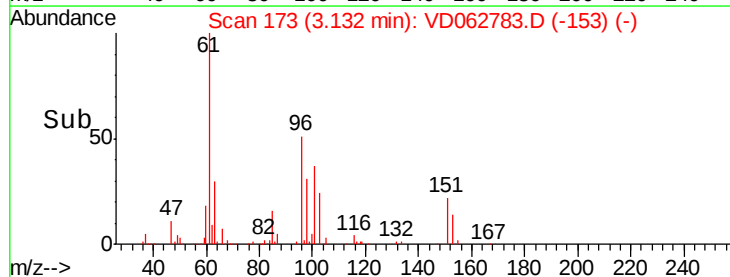
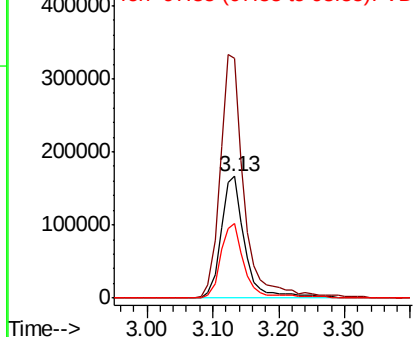
#12

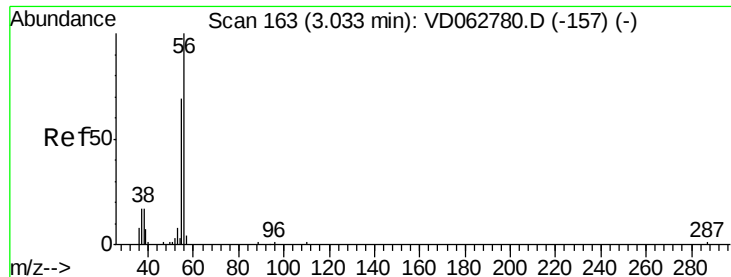
1,1-Dichloroethene
 Concen: 50.946 ug/l
 RT: 3.13 min Scan# 173
 Delta R.T. 0.00 min
 Lab File: VD062783.D
 Acq: 19 Jun 2019 17:14

Tgt Ion: 96 Resp: 418278
 Ion Ratio Lower Upper
 96 100
 61 197.0 147.1 220.7
 98 61.6 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: 223.844 ug/l

RT: 3.03 min Scan# 163

Delta R.T. 0.00 min

Lab File: VD062783.D

Acq: 19 Jun 2019 17:14

Instrument :

MSVOA_D

ClientSampleId :

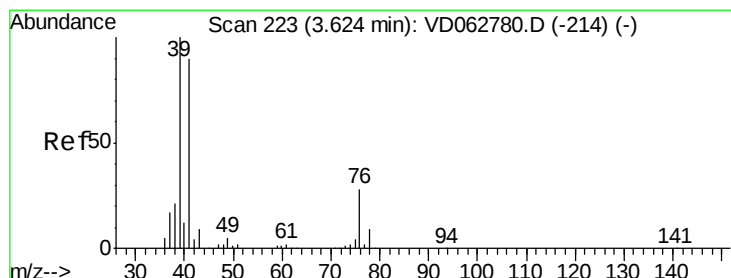
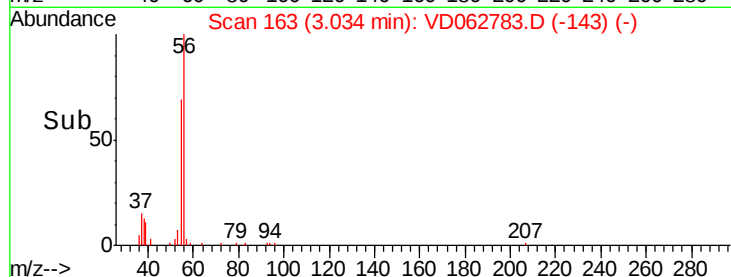
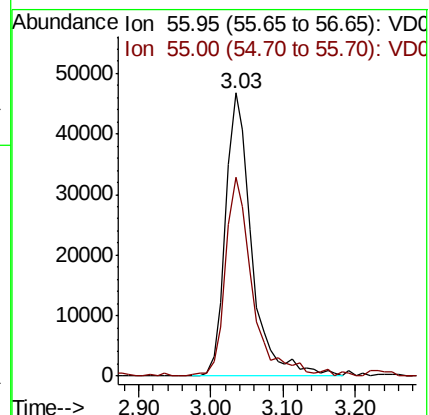
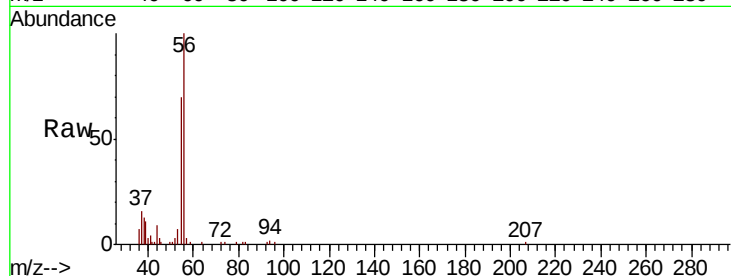
ICVVD061919

Tot Ion: 56 Resp: 117035

Ion Ratio Lower Upper

56 100

55 70.4 55.4 83.0



#14

Allyl chloride

Concen: 53.538 ug/l

RT: 3.62 min Scan# 223

Delta R.T. 0.00 min

Lab File: VD062783.D

Acq: 19 Jun 2019 17:14

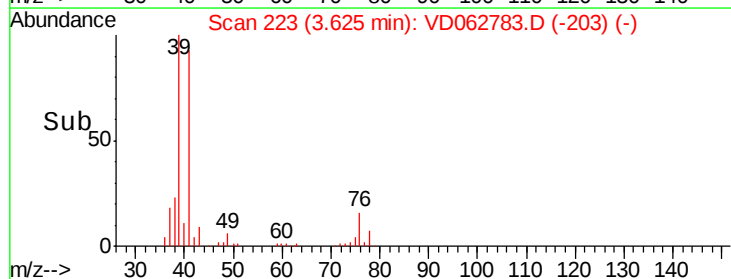
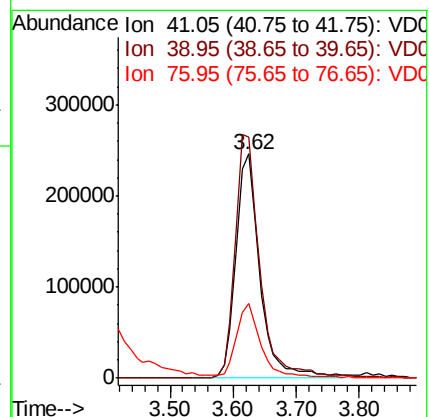
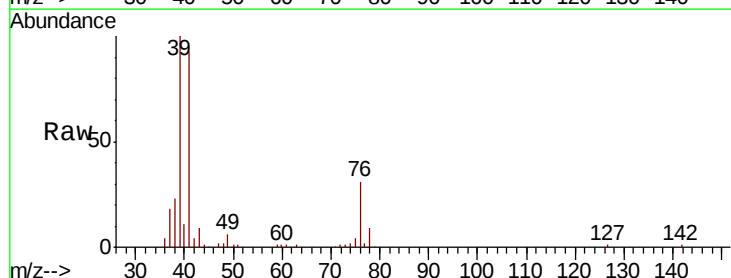
Tgt Ion: 41 Resp: 649490

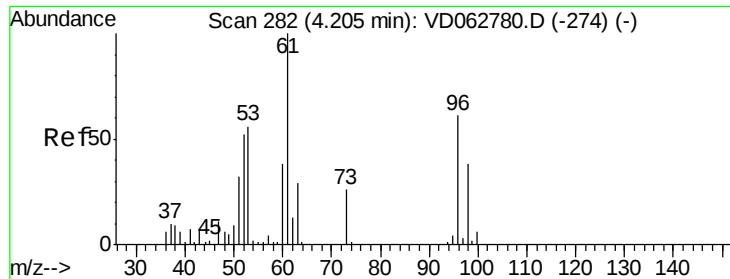
Ion Ratio Lower Upper

41 100

39 107.6 88.8 133.2

76 33.5 26.7 40.1





#15

Acrylonitrile

Concen: 255.707 ug/l

RT: 4.20 min Scan# 281

Delta R.T. -0.01 min

Lab File: VD062783.D

Acq: 19 Jun 2019 17:14

Instrument :

MSVOA_D

ClientSampleId :

ICVVD061919

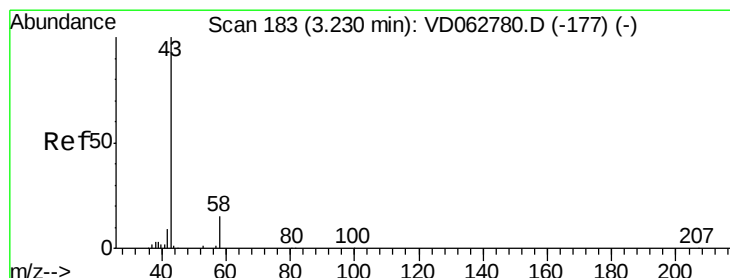
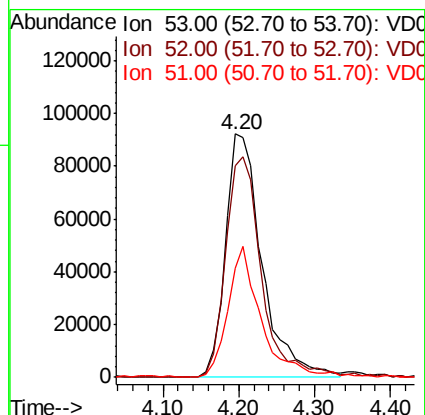
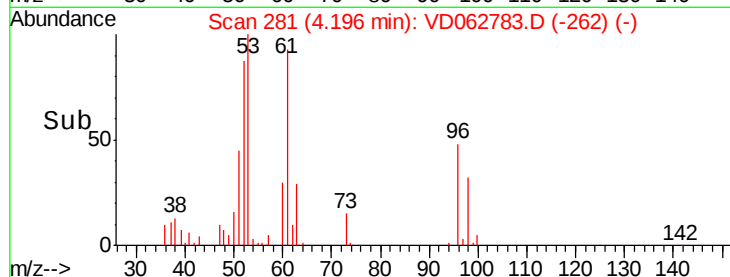
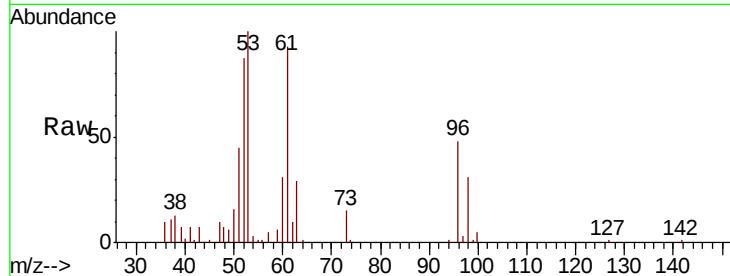
Tot Ion: 53 Resp: 307720

Ion Ratio Lower Upper

53 100

52 86.8 73.3 109.9

51 44.8 44.8 67.2



#16

Acetone

Concen: 250.971 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD062783.D

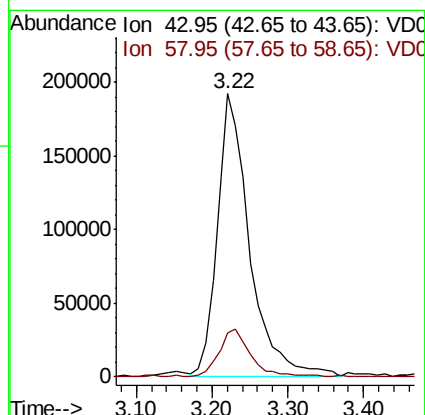
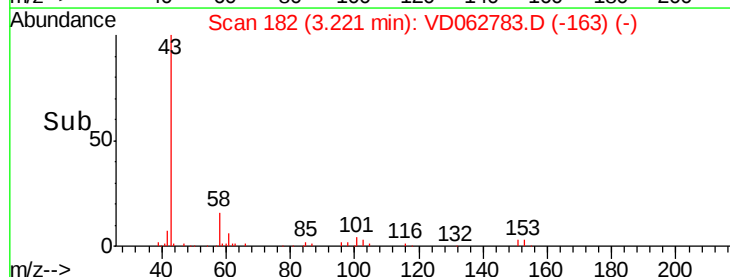
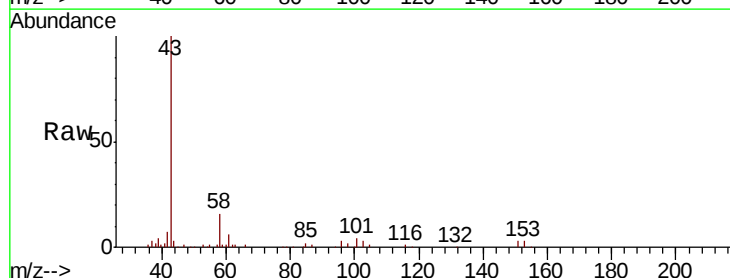
Acq: 19 Jun 2019 17:14

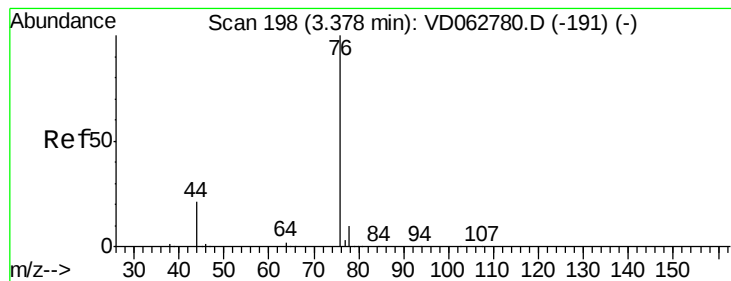
Tgt Ion: 43 Resp: 572247

Ion Ratio Lower Upper

43 100

58 15.5 11.9 17.9





#17

Carbon Disulfide

Concen: 50.684 ug/l

RT: 3.38 min Scan# 198

Delta R.T. 0.00 min

Lab File: VD062783.D

Acq: 19 Jun 2019 17:14

Instrument :

MSVOA_D

ClientSampleId :

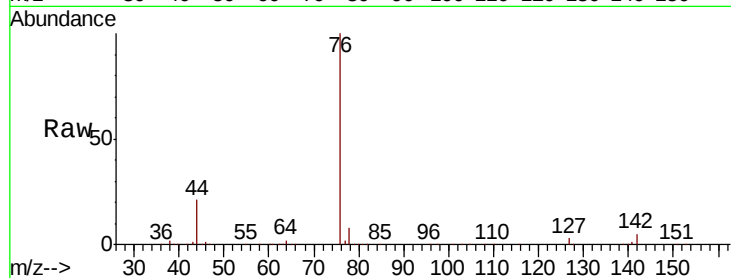
ICVVD061919

Tot Ion: 76 Resp: 1329937

Ion Ratio Lower Upper

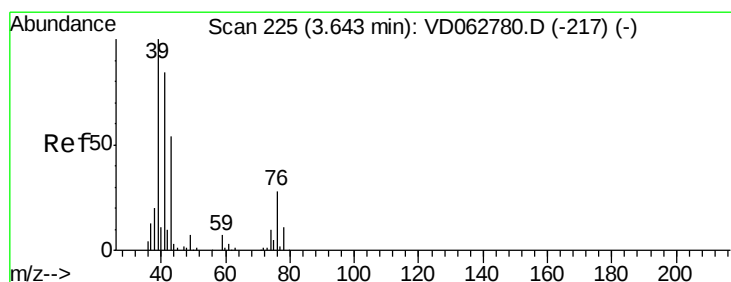
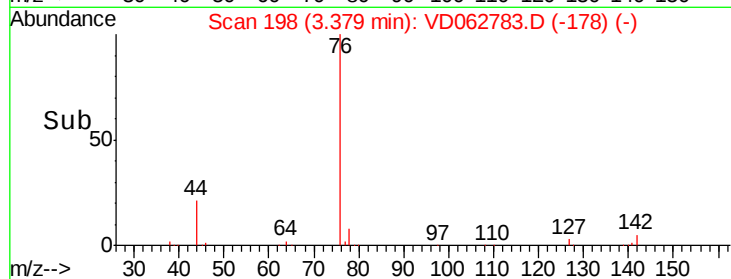
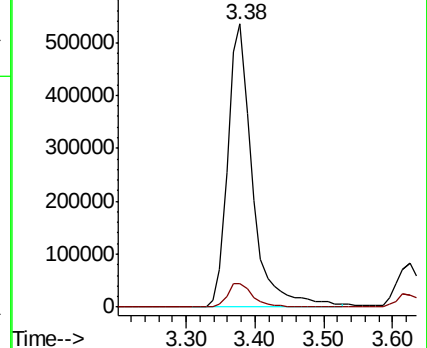
76 100

78 8.2 8.0 12.0



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 48.763 ug/l

RT: 3.64 min Scan# 225

Delta R.T. 0.00 min

Lab File: VD062783.D

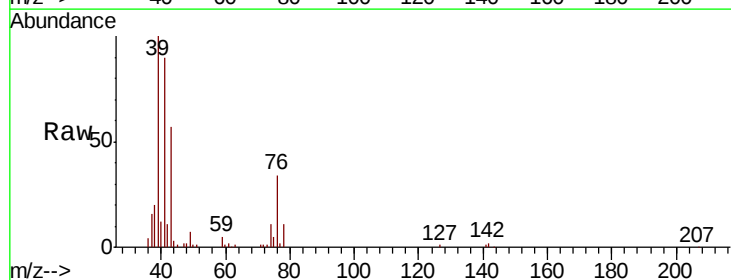
Acq: 19 Jun 2019 17:14

Tgt Ion: 43 Resp: 165530

Ion Ratio Lower Upper

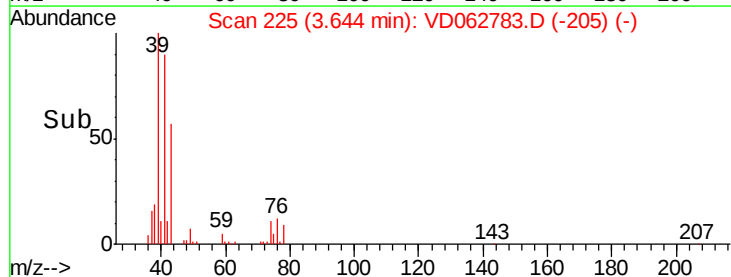
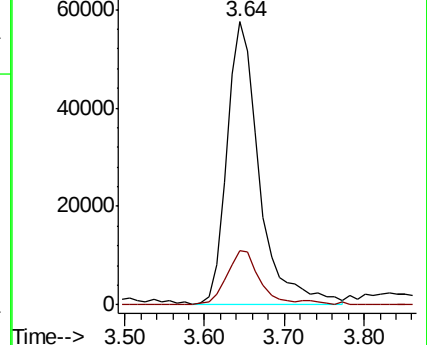
43 100

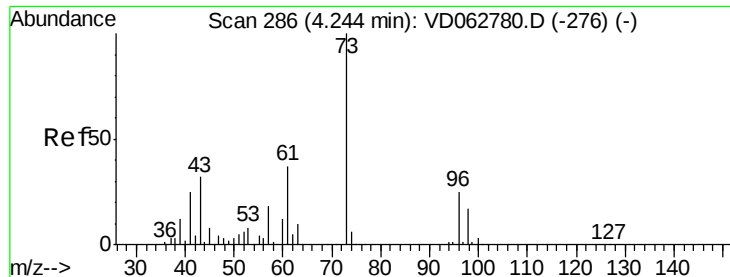
74 19.4 15.2 22.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

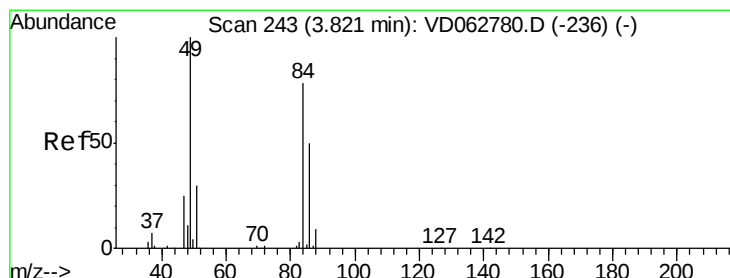
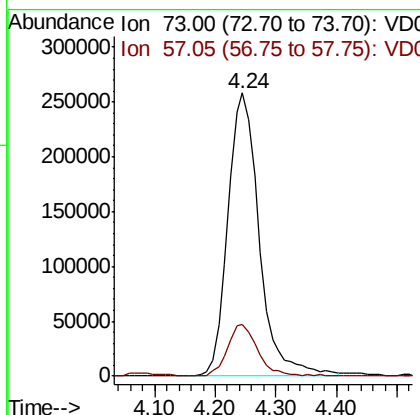
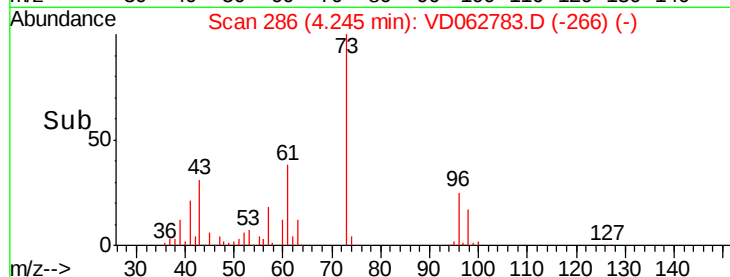
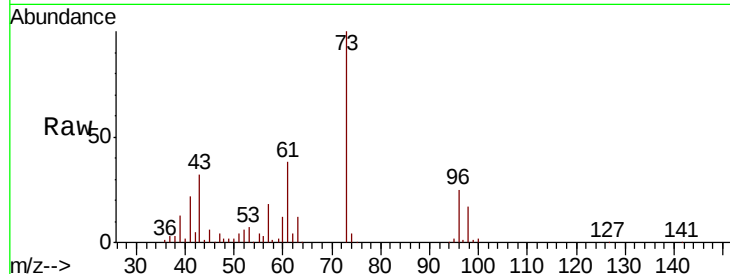




#19
Methyl tert-butyl Ether
Concen: 52.256 ug/l
RT: 4.24 min Scan# 286
Delta R.T. 0.00 min
Lab File: VD062783.D
Acq: 19 Jun 2019 17:14

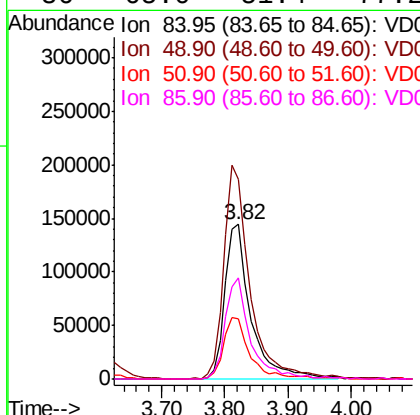
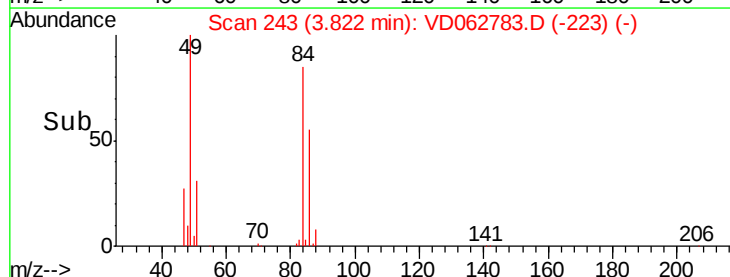
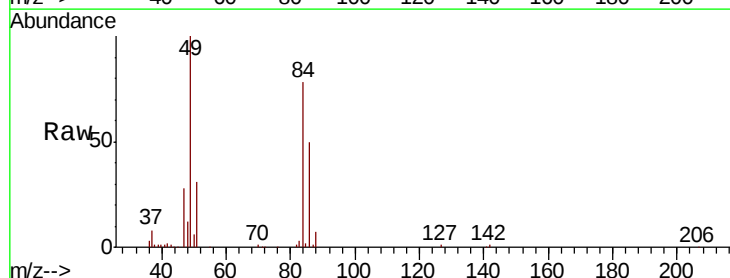
Instrument :
MSVOA_D
ClientSampleId :
ICVVD061919

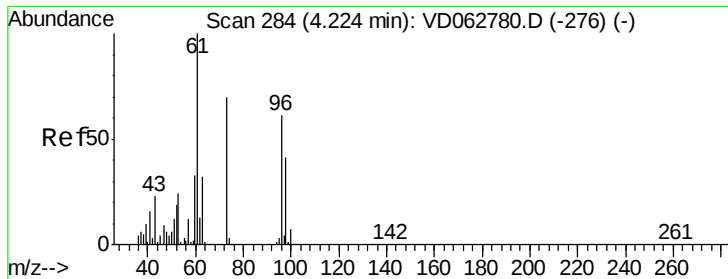
Tot Ion: 73 Resp: 928781
Ion Ratio Lower Upper
73 100
57 18.3 14.3 21.5



#20
Methylene Chloride
Concen: 48.127 ug/l
RT: 3.82 min Scan# 243
Delta R.T. 0.00 min
Lab File: VD062783.D
Acq: 19 Jun 2019 17:14

Tgt Ion: 84 Resp: 412732
Ion Ratio Lower Upper
84 100
49 128.8 102.9 154.3
51 39.3 31.2 46.8
86 65.0 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 53.104 ug/l

RT: 4.23 min Scan# 284

Delta R.T. 0.00 min

Lab File: VD062783.D

Acq: 19 Jun 2019 17:14

Instrument :

MSVOA_D

ClientSampleId :

ICVVD061919

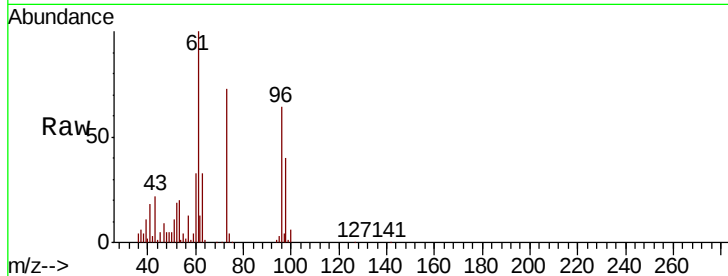
Tot Ion: 96 Resp: 464238

Ion Ratio Lower Upper

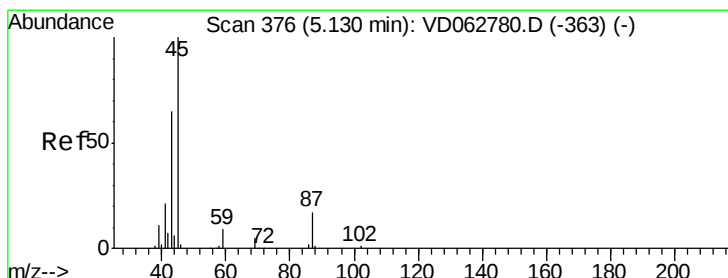
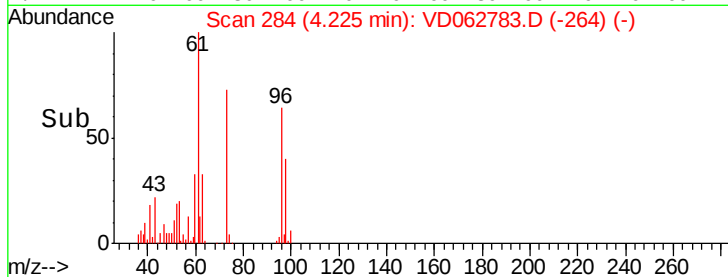
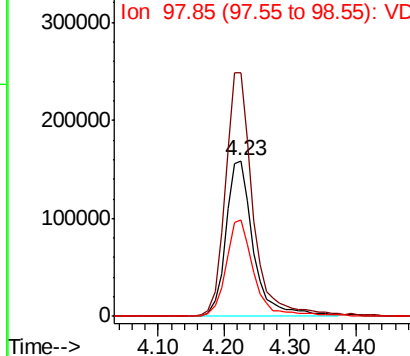
96 100

61 156.2 131.0 196.4

98 62.1 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: 53.176 ug/l

RT: 5.13 min Scan# 376

Delta R.T. 0.00 min

Lab File: VD062783.D

Acq: 19 Jun 2019 17:14

Tgt Ion: 45 Resp: 1311913

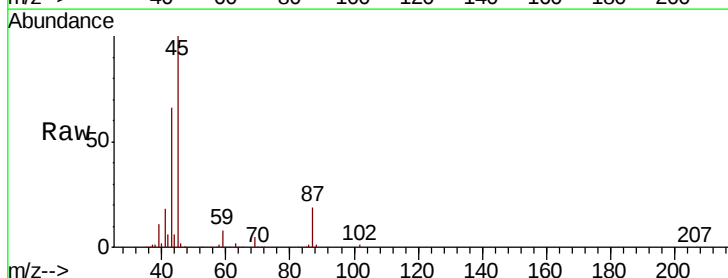
Ion Ratio Lower Upper

45 100

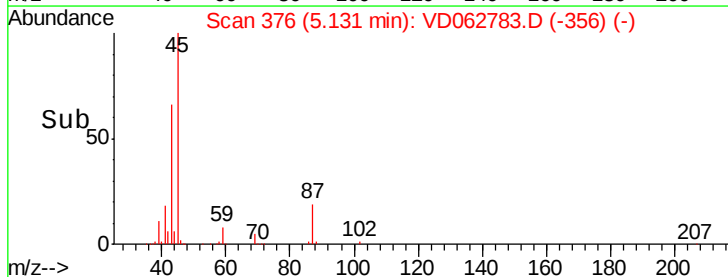
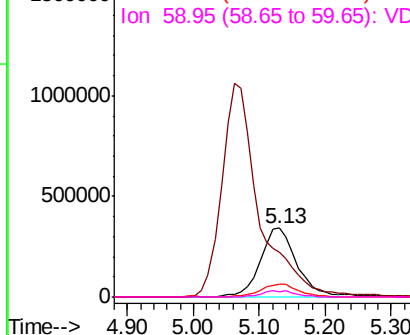
43 65.8 53.4 80.0

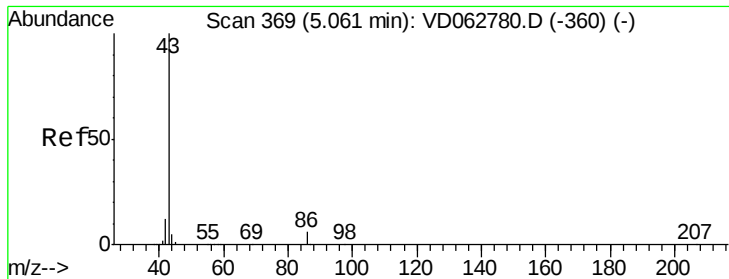
87 19.3 14.6 22.0

59 8.0 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: 270.987 ug/l

RT: 5.06 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD062783.D

Acq: 19 Jun 2019 17:14

Instrument :

MSVOA_D

ClientSampleID :

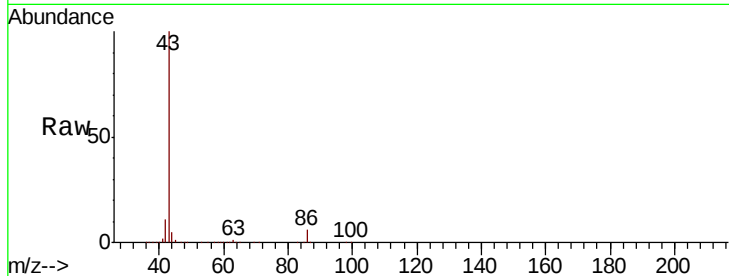
ICVVD061919

Tot Ion: 43 Resp: 4183449

Ion Ratio Lower Upper

43 100

86 6.3 4.7 7.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.06

1200000

1000000

800000

600000

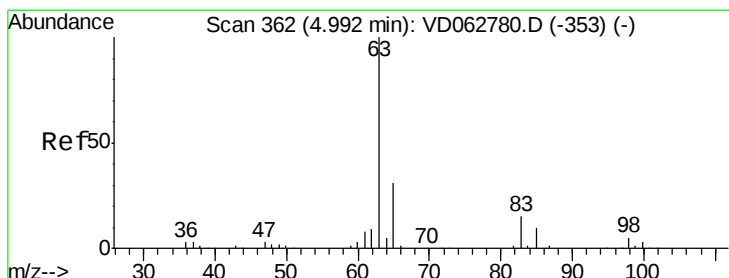
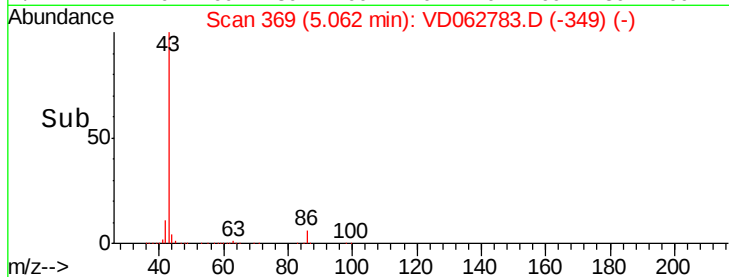
400000

200000

0

Time-->

4.90 5.00 5.10 5.20 5.30



#24

1,1-Dichloroethane

Concen: 51.298 ug/l

RT: 4.99 min Scan# 362

Delta R.T. 0.00 min

Lab File: VD062783.D

Acq: 19 Jun 2019 17:14

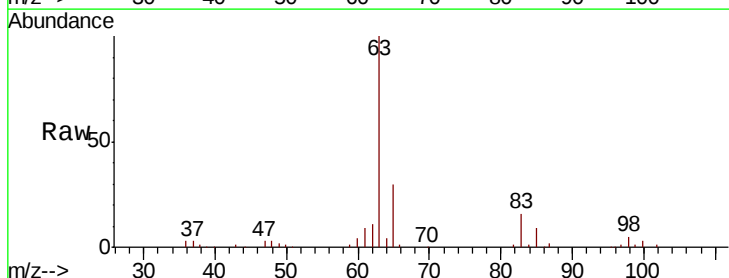
Tgt Ion: 63 Resp: 823993

Ion Ratio Lower Upper

63 100

98 5.2 2.3 6.9

100 2.9 1.7 5.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

4.99

300000

250000

200000

150000

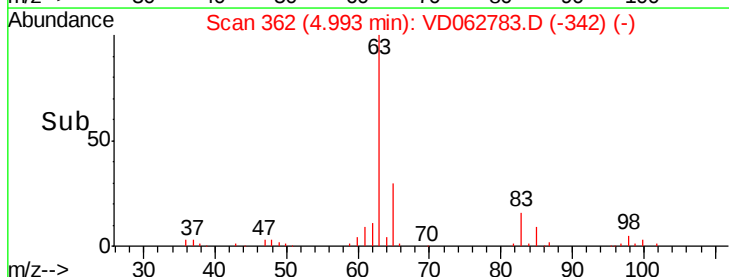
100000

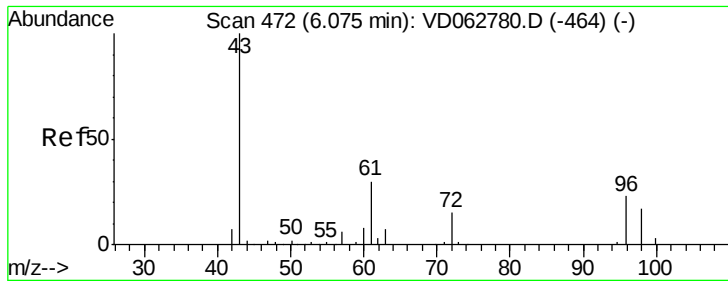
50000

0

Time-->

4.80 4.90 5.00 5.10 5.20





#25

2-Butanone

Concen: 263.670 ug/l

RT: 6.08 min Scan# 472

Delta R.T. 0.00 min

Lab File: VD062783.D

Acq: 19 Jun 2019 17:14

Instrument :

MSVOA_D

ClientSampleId :

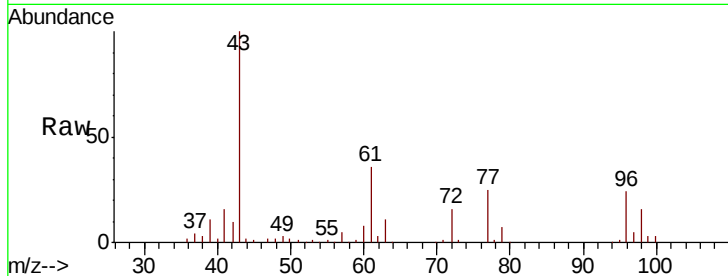
ICVVD061919

Tot Ion: 43 Resp: 554536

Ion Ratio Lower Upper

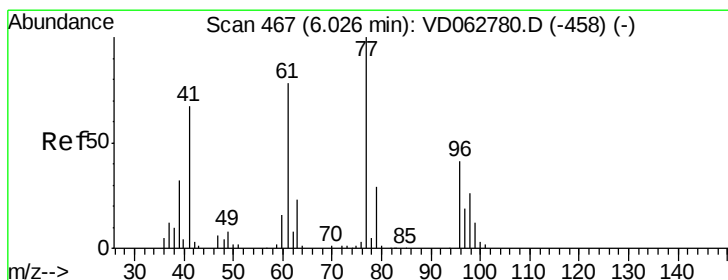
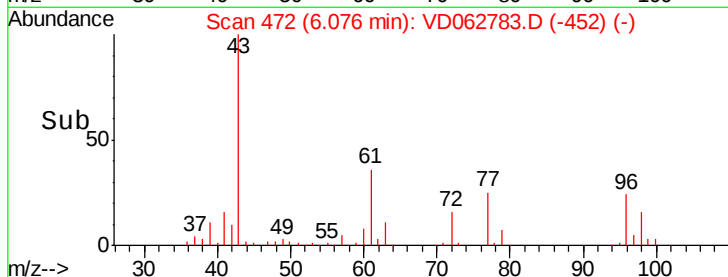
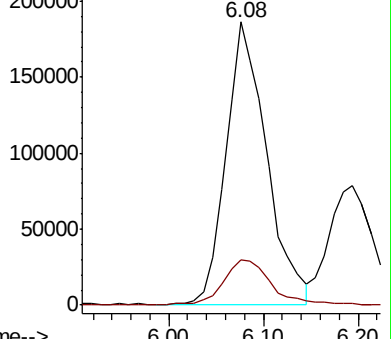
43 100

72 16.0 11.9 17.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 54.766 ug/l

RT: 6.04 min Scan# 468

Delta R.T. 0.01 min

Lab File: VD062783.D

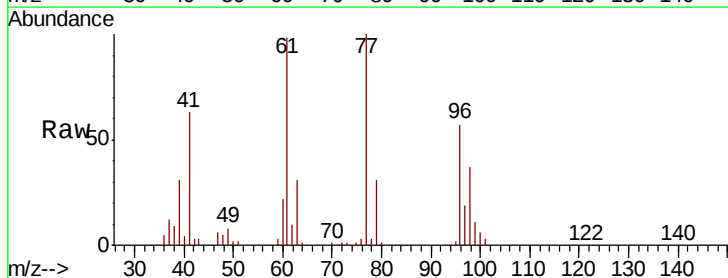
Acq: 19 Jun 2019 17:14

Tgt Ion: 77 Resp: 932436

Ion Ratio Lower Upper

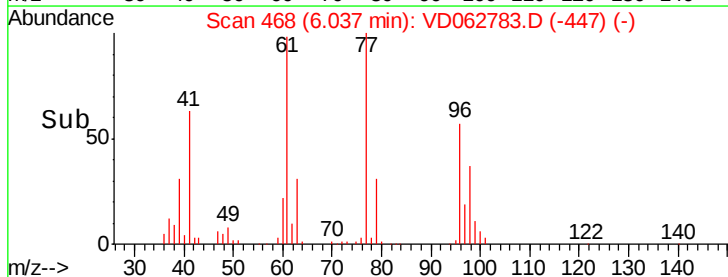
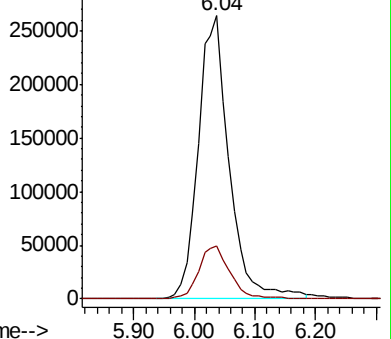
77 100

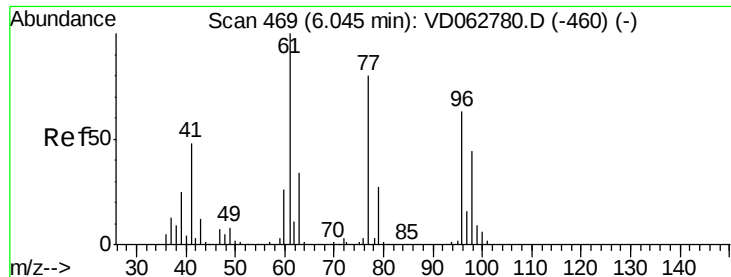
97 18.9 9.5 28.5



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



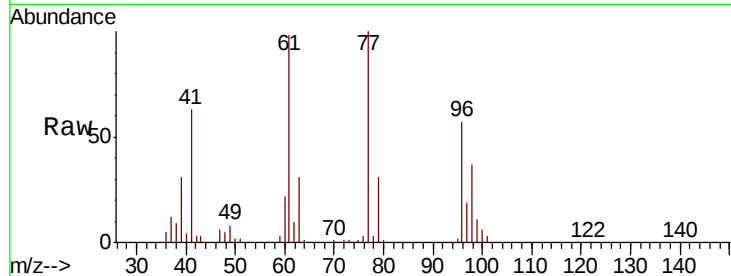


#27

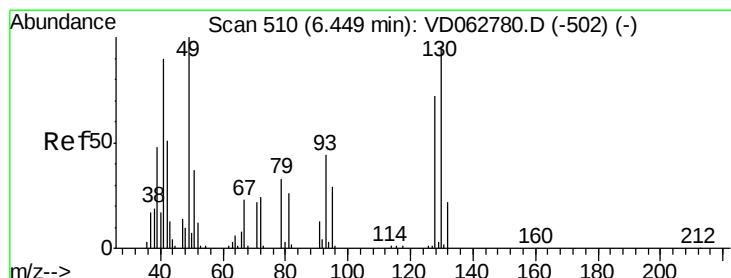
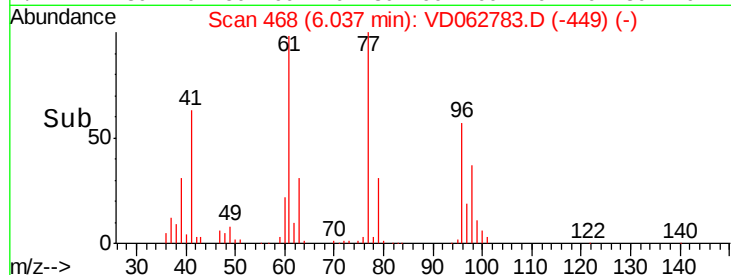
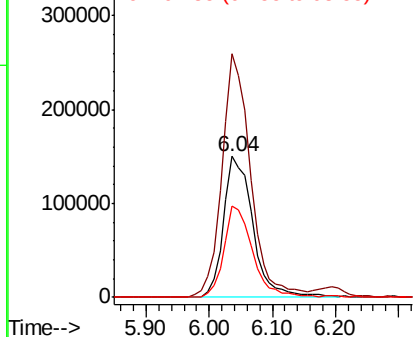
cis-1,2-Dichloroethene
Concen: 52.346 ug/l
RT: 6.04 min Scan# 468
Delta R.T. -0.01 min
Lab File: VD062783.D
Acq: 19 Jun 2019 17:14

Instrument :
MSVOA_D
ClientSampleId :
ICVVD061919

Tot Ion: 96 Resp: 483921
Ion Ratio Lower Upper
96 100
61 172.9 0.0 316.0
98 65.0 0.0 138.4



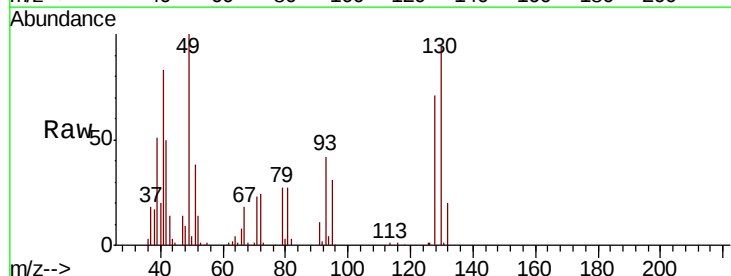
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



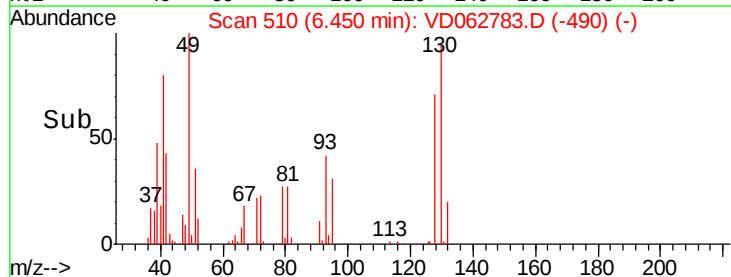
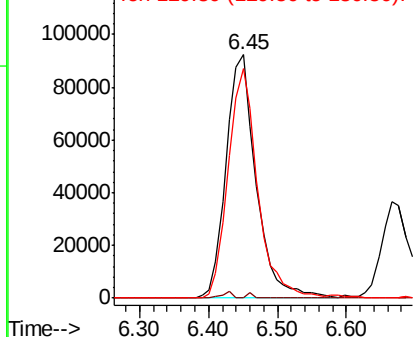
#28

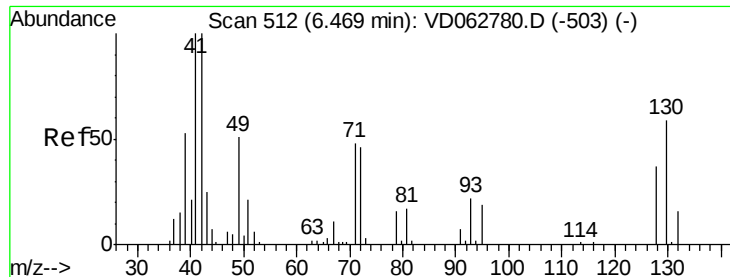
Bromochloromethane
Concen: 49.361 ug/l
RT: 6.45 min Scan# 510
Delta R.T. 0.00 min
Lab File: VD062783.D
Acq: 19 Jun 2019 17:14

Tgt Ion: 49 Resp: 279250
Ion Ratio Lower Upper
49 100
129 0.0 0.0 5.6
130 94.4 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

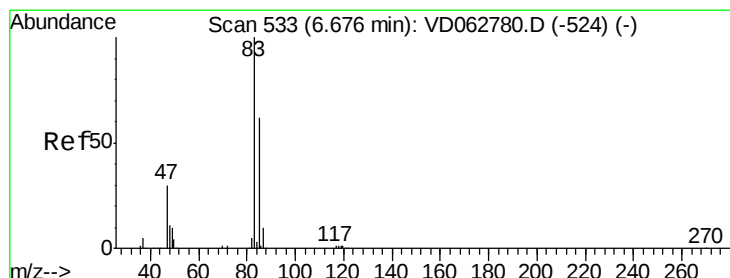
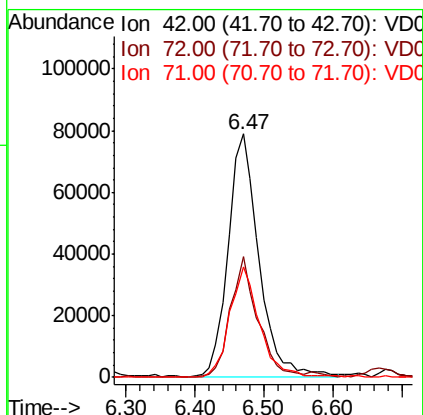
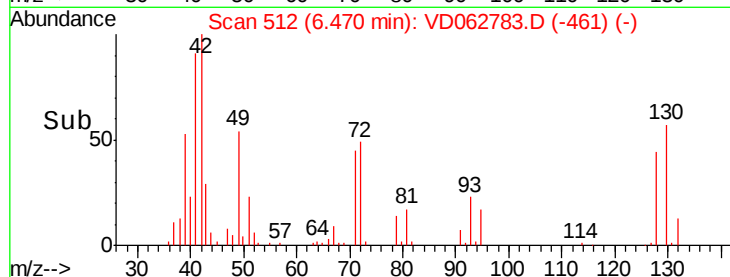
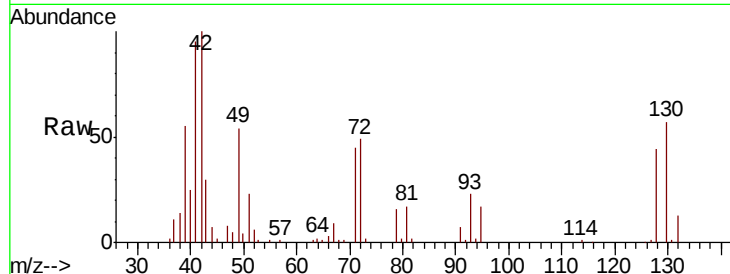




#29
Tetrahydrofuran
Concen: 246.307 ug/l
RT: 6.47 min Scan# 512
Delta R.T. 0.00 min
Lab File: VD062783.D
Acq: 19 Jun 2019 17:14

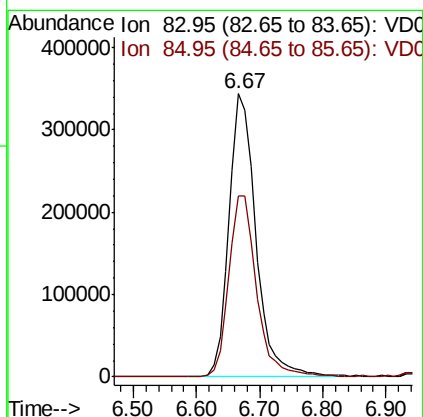
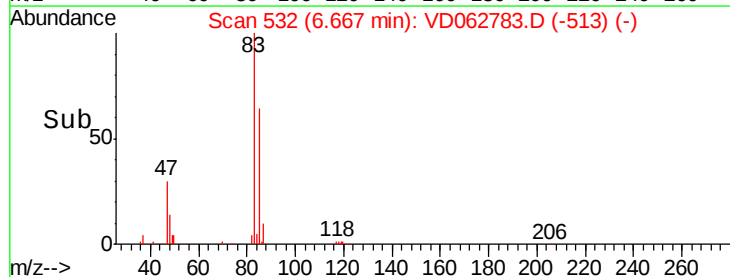
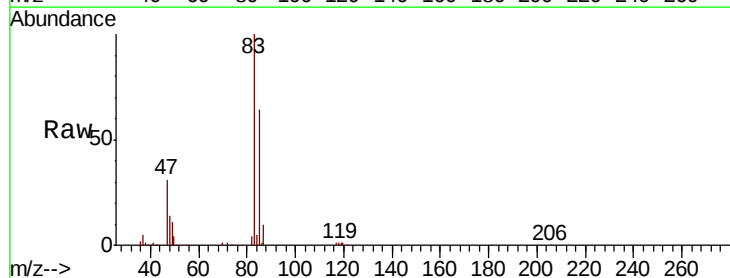
Instrument :
MSVOA_D
ClientSampleId :
ICVVD061919

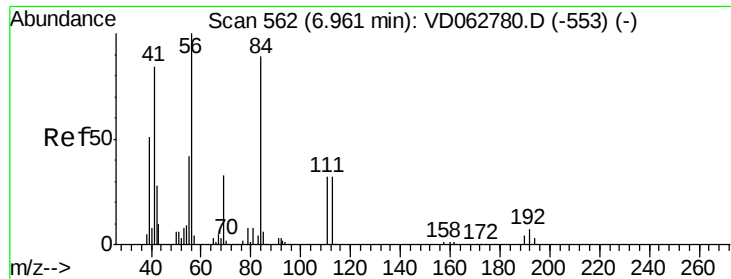
Tot Ion: 42 Resp: 245095
Ion Ratio Lower Upper
42 100
72 43.9 35.0 52.6
71 43.6 33.3 49.9



#30
Chloroform
Concen: 52.018 ug/l
RT: 6.67 min Scan# 532
Delta R.T. -0.01 min
Lab File: VD062783.D
Acq: 19 Jun 2019 17:14

Tgt Ion: 83 Resp: 1016158
Ion Ratio Lower Upper
83 100
85 64.1 49.8 74.6

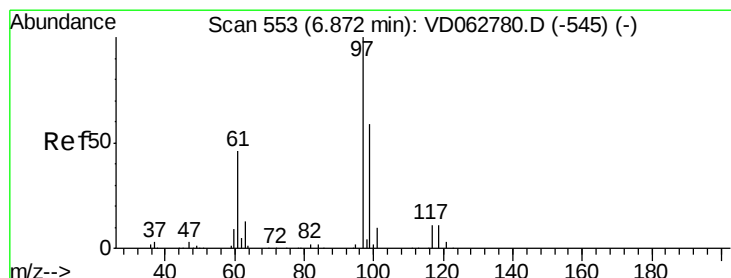
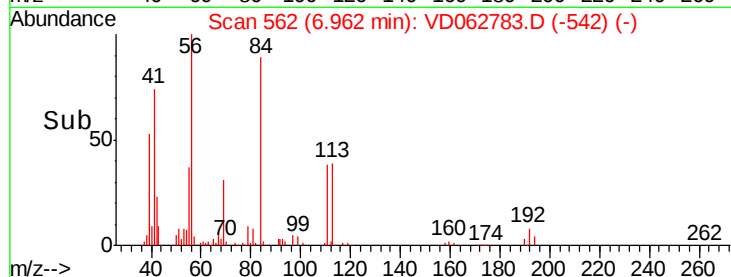
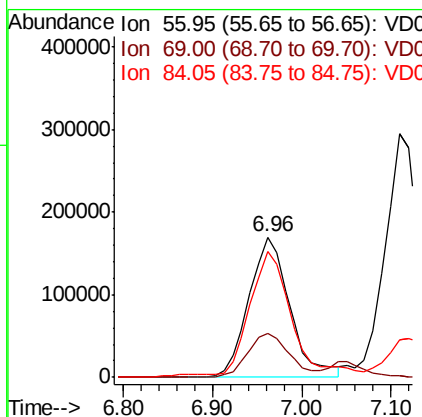
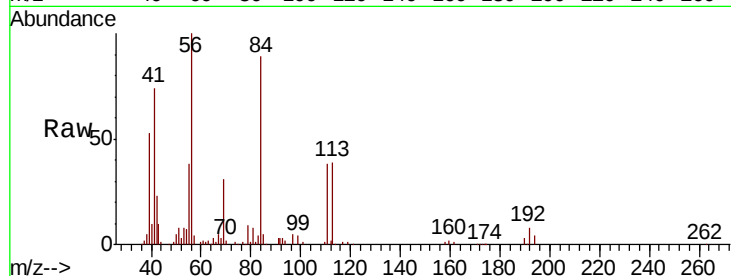




#31
Cvclohexane
Concen: 50.985 ug/l
RT: 6.96 min Scan# 562
Delta R.T. 0.00 min
Lab File: VD062783.D
Acq: 19 Jun 2019 17:14

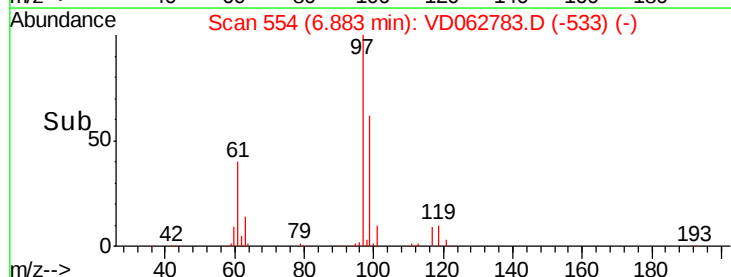
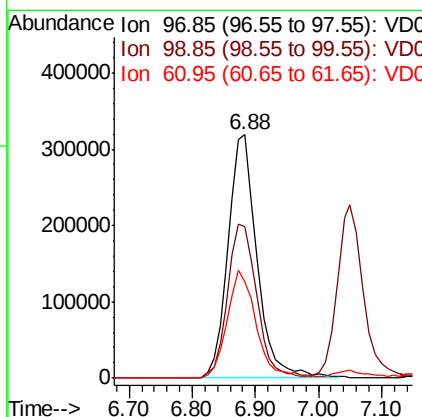
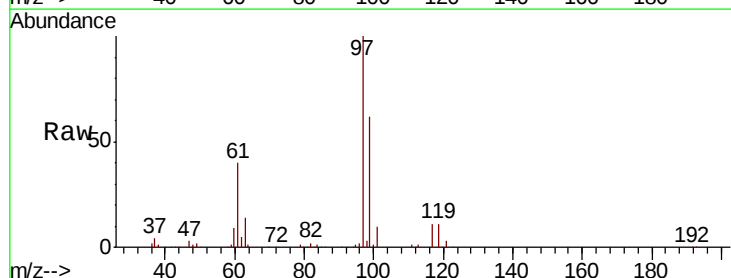
Instrument :
MSVOA_D
ClientSampleId :
ICVVD061919

Tot Ion: 56 Resp: 538394
Ion Ratio Lower Upper
56 100
69 31.4 26.6 39.8
84 89.3 75.5 113.3



#32
1,1,1-Trichloroethane
Concen: 49.735 ug/l
RT: 6.88 min Scan# 554
Delta R.T. 0.01 min
Lab File: VD062783.D
Acq: 19 Jun 2019 17:14

Tgt Ion: 97 Resp: 1011948
Ion Ratio Lower Upper
97 100
99 62.1 47.4 71.2
61 39.7 37.2 55.8

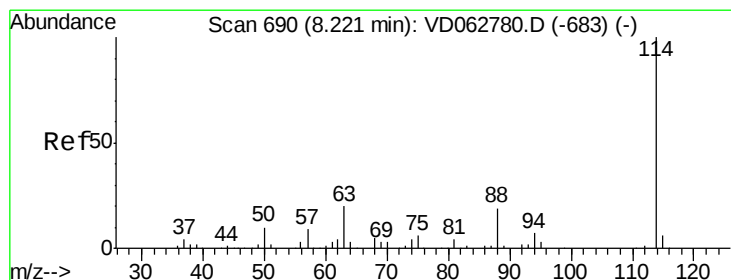
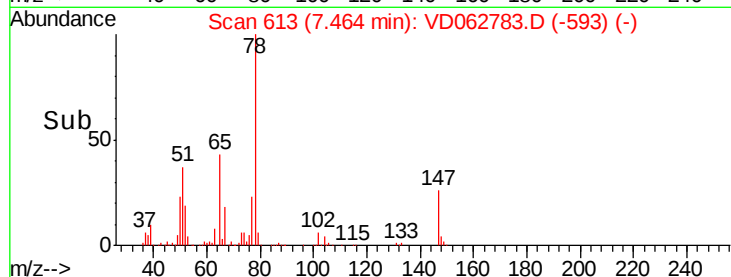
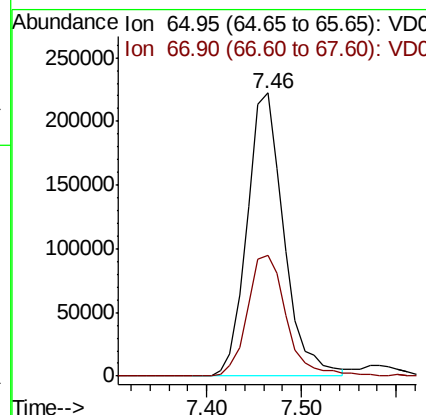
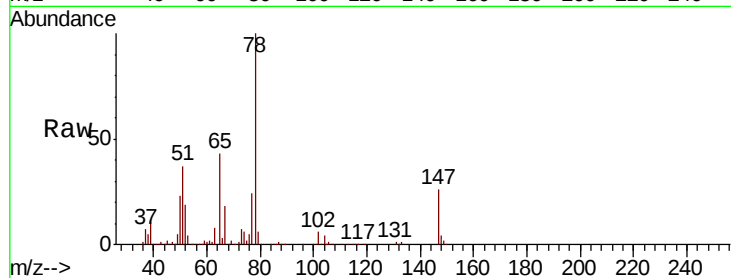




#33
 1,2-Dichloroethane-d4
 Concen: 53.499 ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. 0.00 min
 Lab File: VD062783.D
 Acq: 19 Jun 2019 17:14

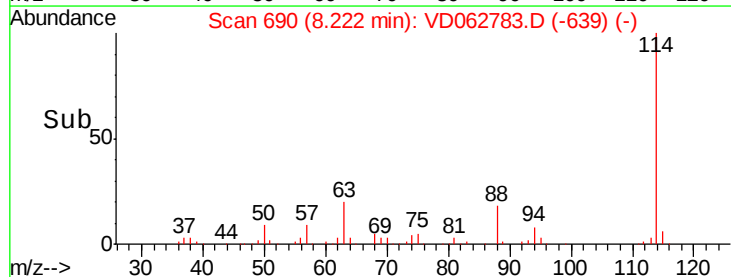
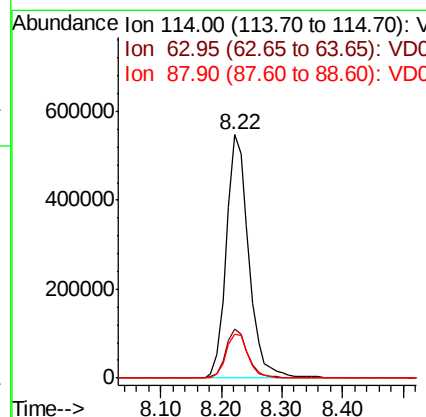
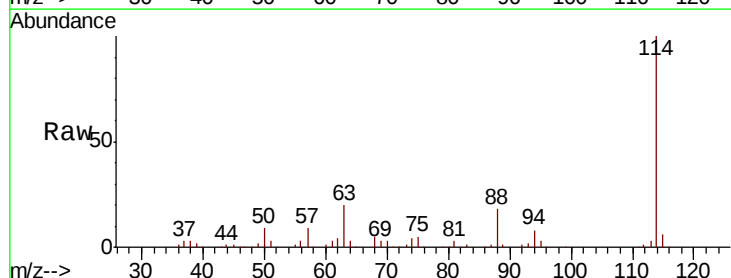
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD061919

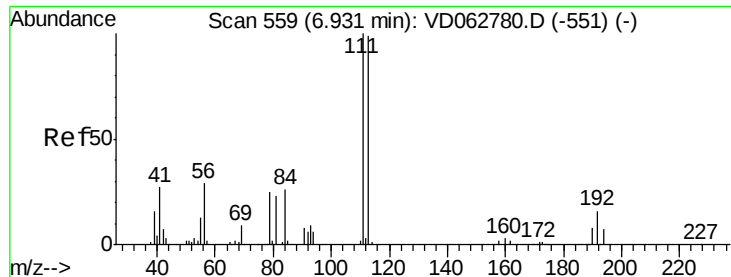
Tot Ion: 65 Resp: 601598
 Ion Ratio Lower Upper
 65 100
 67 42.8 0.0 87.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. 0.00 min
 Lab File: VD062783.D
 Acq: 19 Jun 2019 17:14

Tgt Ion: 114 Resp: 1403802
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 40.0
 88 17.9 0.0 38.8





#35

Dibromofluoromethane

Concen: 54.079 ug/l

RT: 6.93 min Scan# 559

Delta R.T. 0.00 min

Lab File: VD062783.D

Acq: 19 Jun 2019 17:14

Instrument :

MSVOA_D

ClientSampleId :

ICVVD061919

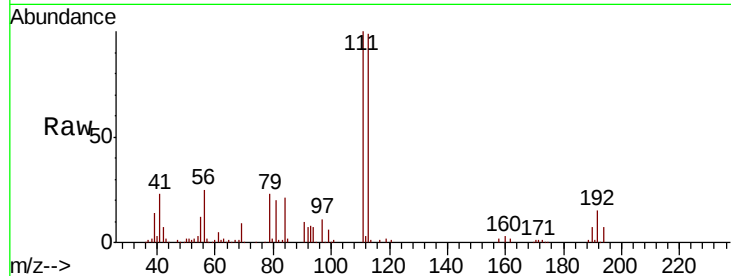
Tot Ion:113 Resp: 640122

Ion Ratio Lower Upper

113 100

111 100.8 81.2 121.8

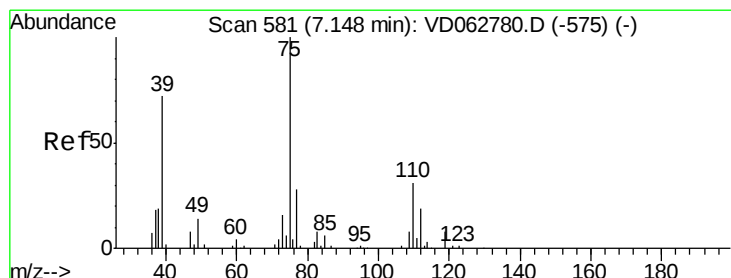
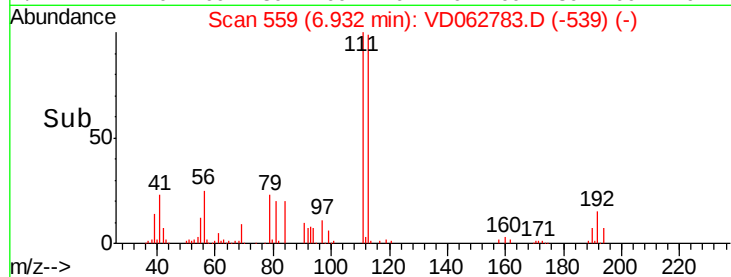
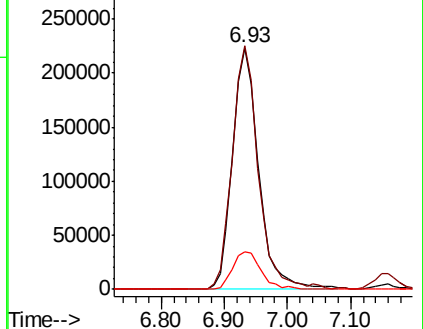
192 15.3 12.9 19.3



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 52.321 ug/l

RT: 7.15 min Scan# 581

Delta R.T. 0.00 min

Lab File: VD062783.D

Acq: 19 Jun 2019 17:14

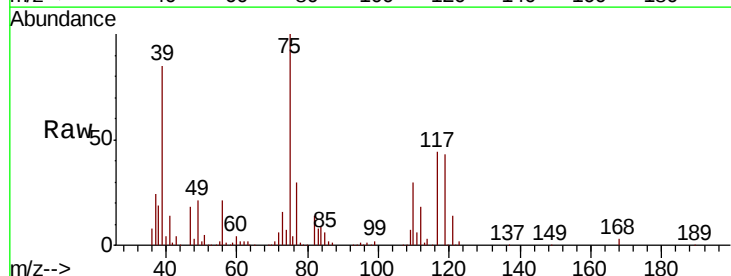
Tgt Ion: 75 Resp: 695292

Ion Ratio Lower Upper

75 100

110 29.9 15.0 45.1

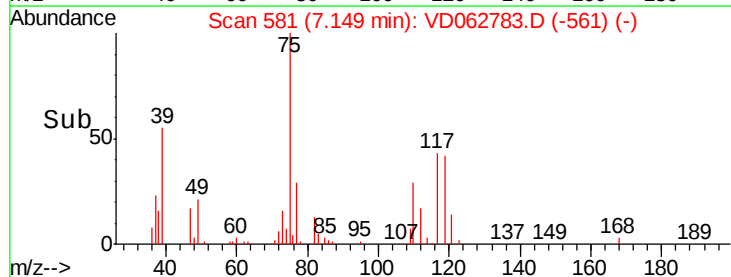
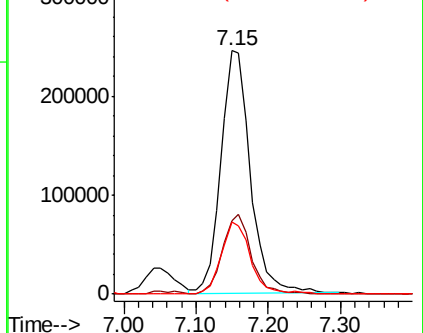
77 29.6 22.2 33.2

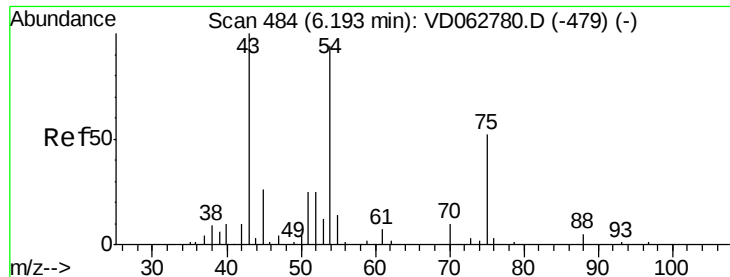


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

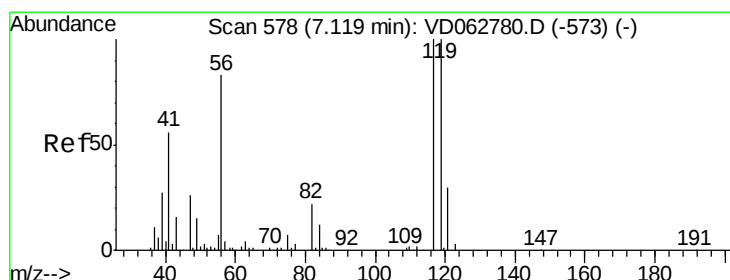
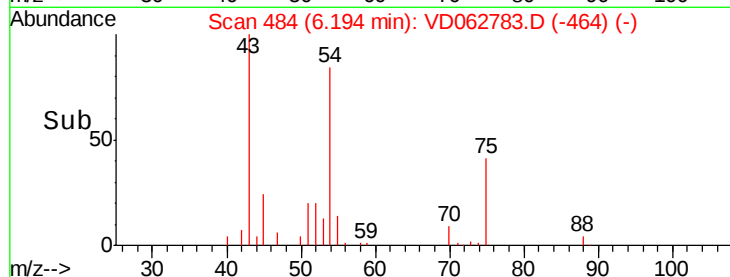
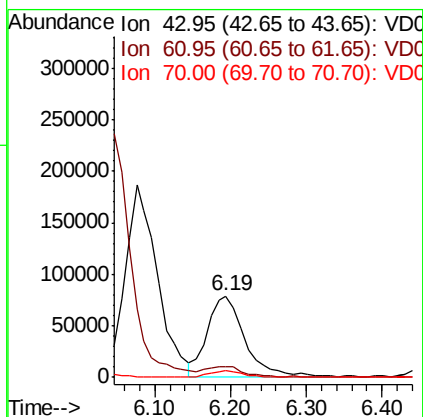
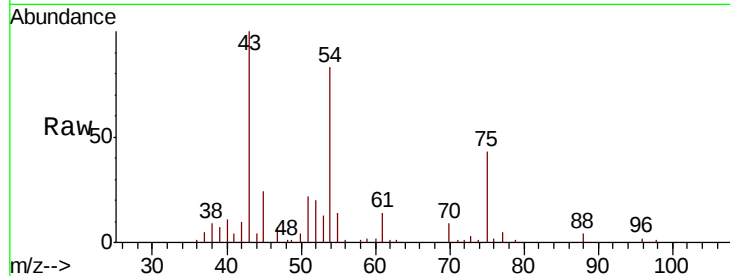




#37
Ethyl Acetate
Concen: 47.551 ug/l
RT: 6.19 min Scan# 484
Delta R.T. 0.00 min
Lab File: VD062783.D
Acq: 19 Jun 2019 17:14

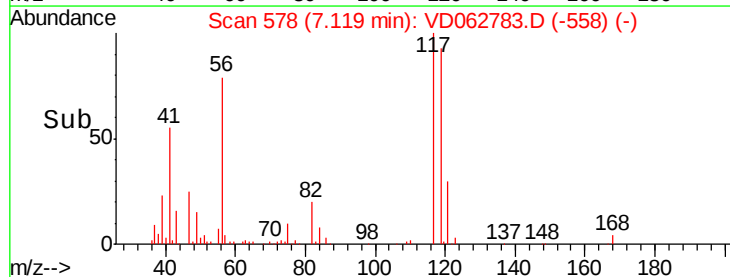
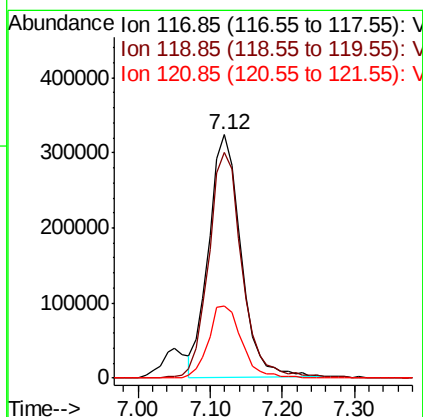
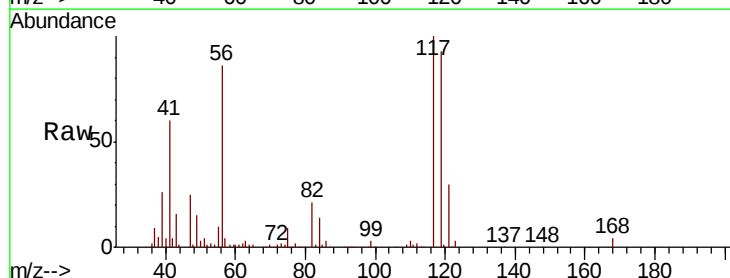
Instrument :
MSVOA_D
ClientSampleId :
ICVVD061919

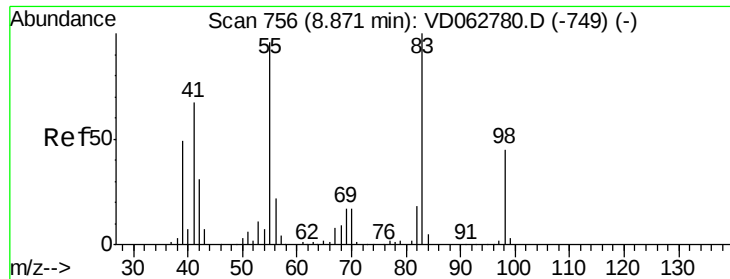
Tot Ion: 43 Resp: 265744
Ion Ratio Lower Upper
43 100
61 13.6 11.6 17.4
70 8.6 6.4 9.6



#38
Carbon Tetrachloride
Concen: 49.864 ug/l
RT: 7.12 min Scan# 578
Delta R.T. 0.00 min
Lab File: VD062783.D
Acq: 19 Jun 2019 17:14

Tgt Ion: 117 Resp: 996579
Ion Ratio Lower Upper
117 100
119 92.8 75.4 113.2
121 29.8 22.3 33.5

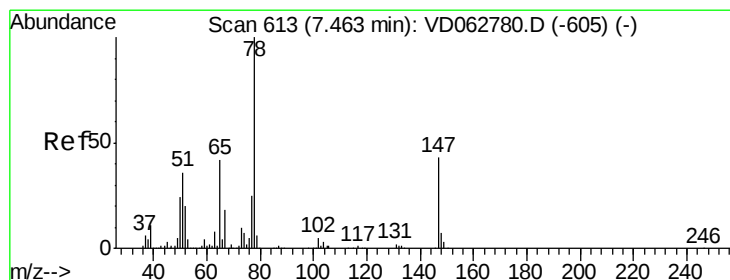
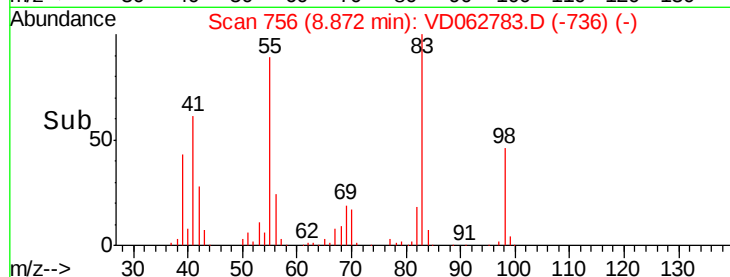
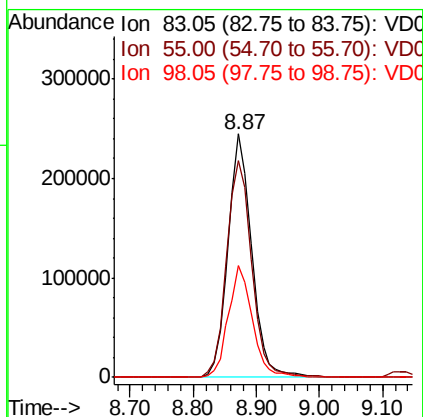
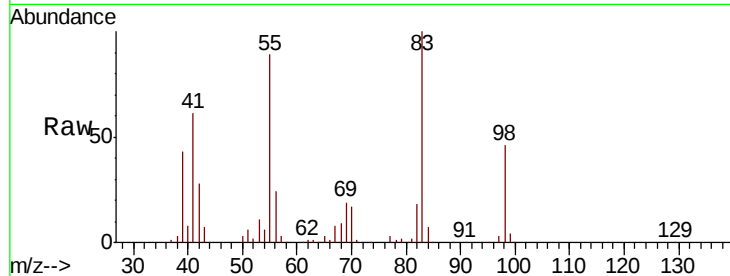




#39
Methvlcvclohexane
Concen: 54.222 ug/l
RT: 8.87 min Scan# 756
Delta R.T. 0.00 min
Lab File: VD062783.D
Acq: 19 Jun 2019 17:14

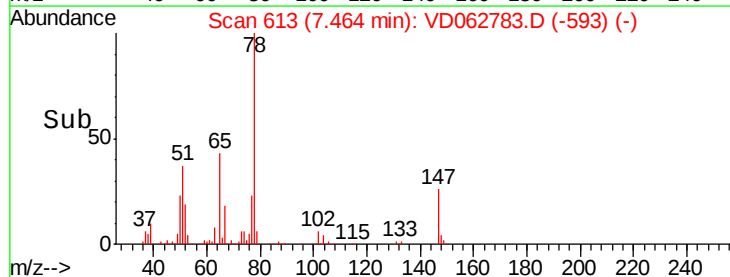
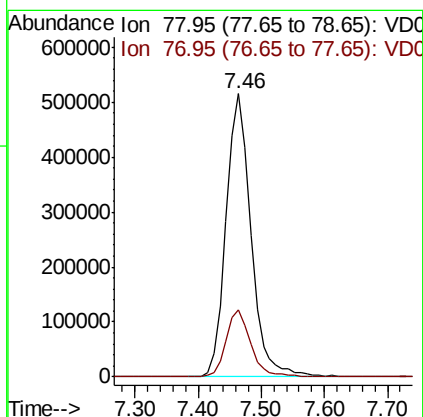
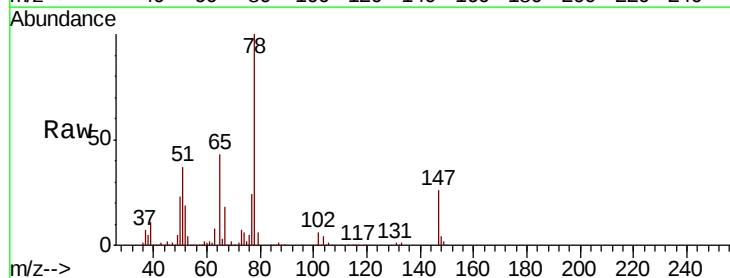
Instrument :
MSVOA_D
ClientSampleId :
ICVVD061919

Tot Ion: 83 Resp: 634260
Ion Ratio Lower Upper
83 100
55 89.2 76.6 115.0
98 46.1 35.7 53.5



#40
Benzene
Concen: 52.889 ug/l
RT: 7.46 min Scan# 613
Delta R.T. 0.00 min
Lab File: VD062783.D
Acq: 19 Jun 2019 17:14

Tgt Ion: 78 Resp: 1410823
Ion Ratio Lower Upper
78 100
77 23.6 20.2 30.2





#41

Methacrylonitrile

Concen: 47.761 ug/l

RT: 6.46 min Scan# 511

Delta R.T. 0.01 min

Lab File: VD062783.D

Acq: 19 Jun 2019 17:14

Instrument :

MSVOA_D

ClientSampleId :

ICVVD061919

Tot Ion: 41 Resp: 334716

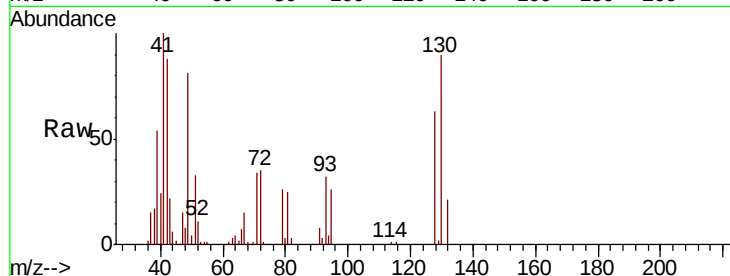
Ion Ratio Lower Upper

41 100

39 54.2 43.2 64.8

67 15.2 19.9 29.9#

52 11.2 10.2 15.4

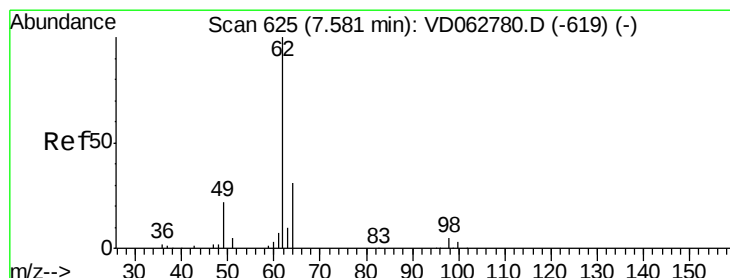
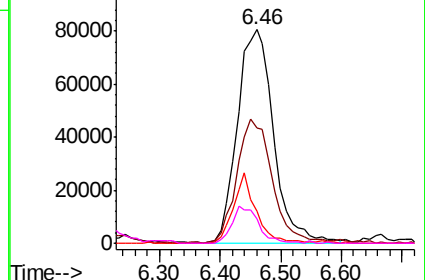
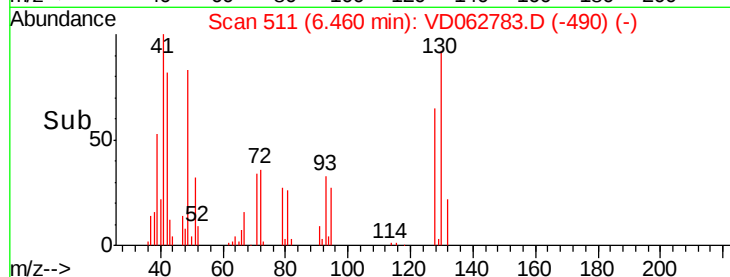


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 48.750 ug/l

RT: 7.58 min Scan# 625

Delta R.T. 0.00 min

Lab File: VD062783.D

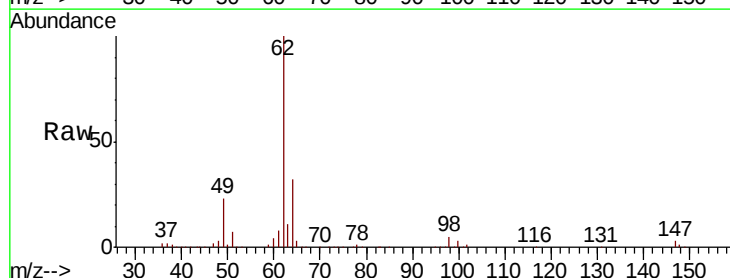
Acq: 19 Jun 2019 17:14

Tgt Ion: 62 Resp: 709406

Ion Ratio Lower Upper

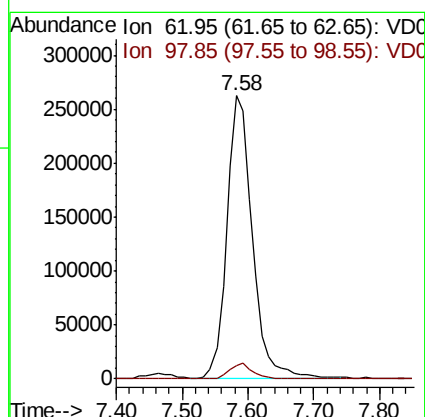
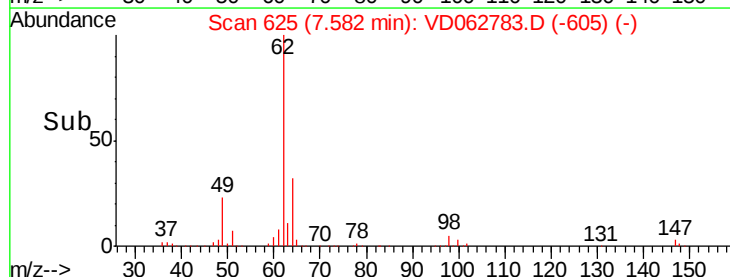
62 100

98 4.7 0.0 10.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



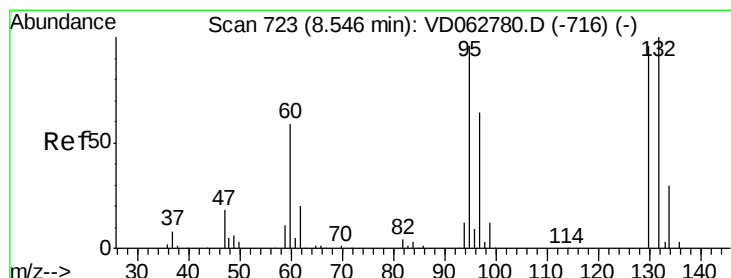
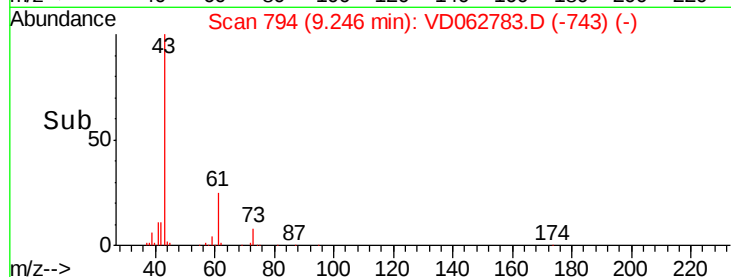
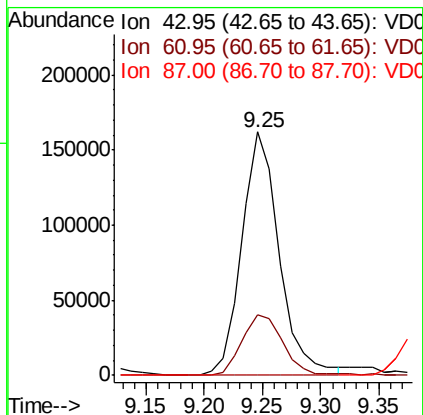
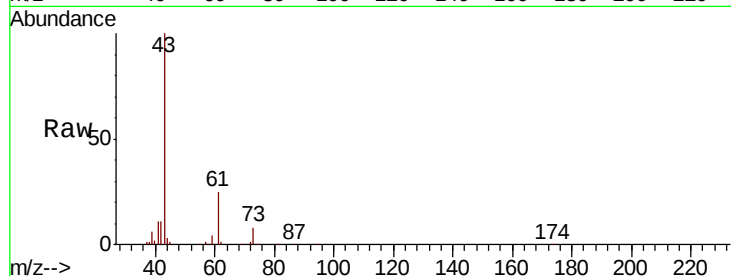


#43

Isopropyl Acetate
 Concen: 51.519 ug/l
 RT: 9.25 min Scan# 794
 Delta R.T. 0.00 min
 Lab File: VD062783.D
 Acq: 19 Jun 2019 17:14

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD061919

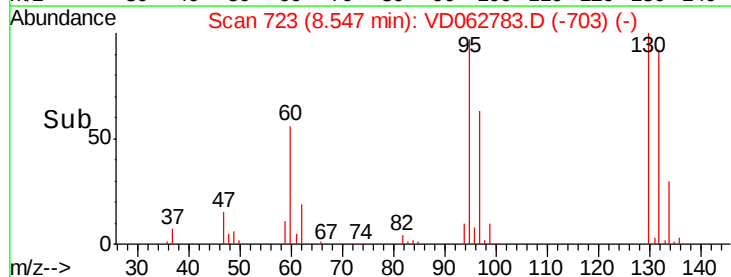
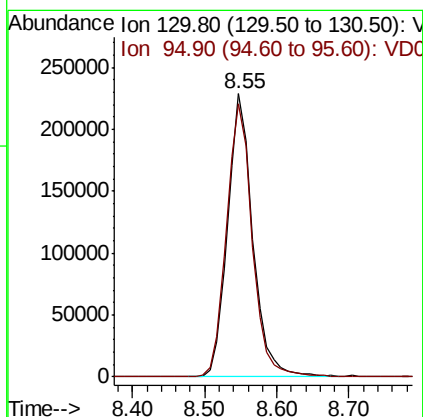
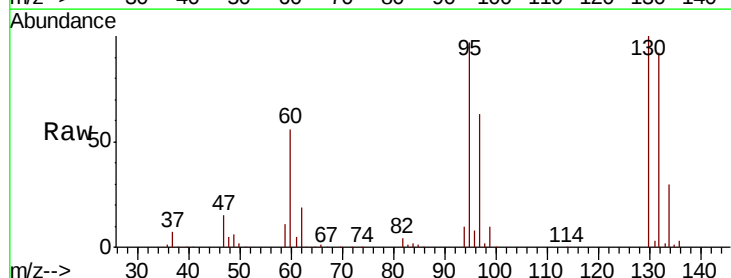
Tot Ion: 43 Resp: 358932
 Ion Ratio Lower Upper
 43 100
 61 25.0 22.4 33.6
 87 0.3 0.3 0.5#



#44

Trichloroethene
 Concen: 53.013 ug/l
 RT: 8.55 min Scan# 723
 Delta R.T. 0.00 min
 Lab File: VD062783.D
 Acq: 19 Jun 2019 17:14

Tgt Ion: 130 Resp: 554394
 Ion Ratio Lower Upper
 130 100
 95 96.6 0.0 201.6





#45

1,2-Dichloropropane

Concen: 51.548 ug/l

RT: 8.95 min Scan# 764

Delta R.T. 0.00 min

Lab File: VD062783.D

Acq: 19 Jun 2019 17:14

Instrument :

MSVOA_D

ClientSampleId :

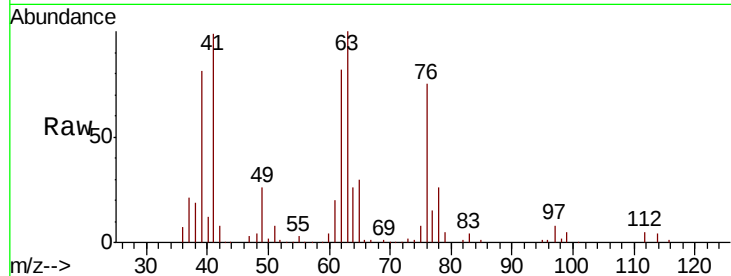
ICVVD061919

Tot Ion: 63 Resp: 341912

Ion Ratio Lower Upper

63 100

65 29.9 24.2 36.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

150000

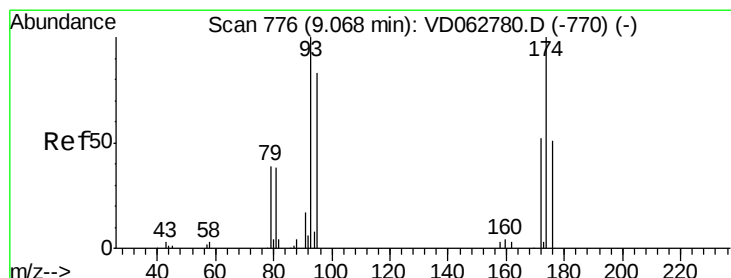
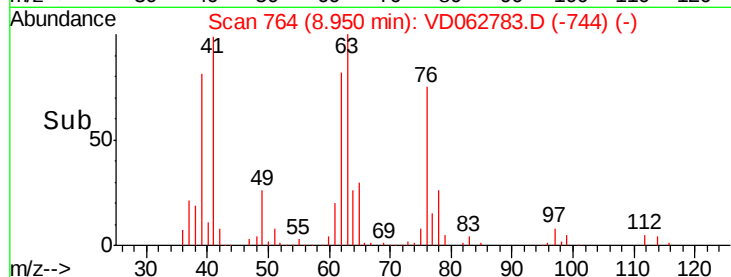
100000

50000

0

8.70 8.80 8.90 9.00 9.10

Time-->



#46

Dibromomethane

Concen: 47.517 ug/l

RT: 9.07 min Scan# 776

Delta R.T. 0.00 min

Lab File: VD062783.D

Acq: 19 Jun 2019 17:14

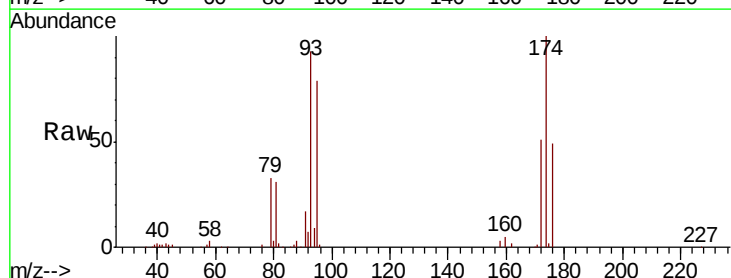
Tgt Ion: 93 Resp: 270738

Ion Ratio Lower Upper

93 100

95 84.9 66.6 100.0

174 107.7 79.7 119.5



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

150000

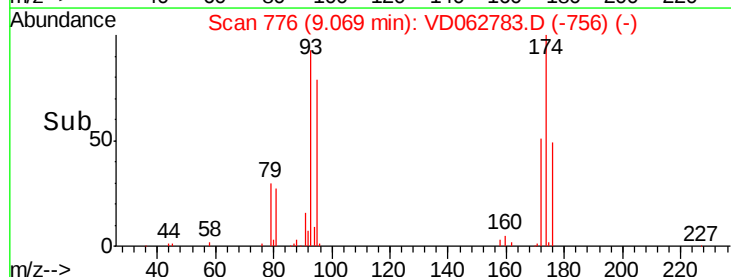
100000

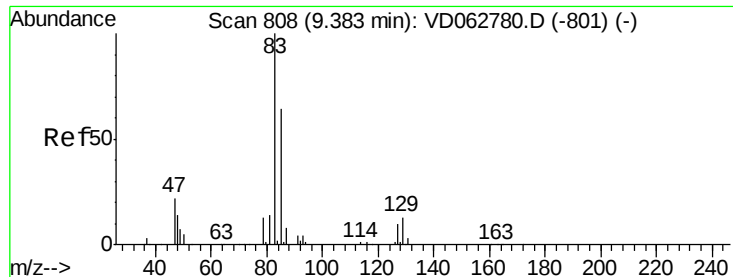
50000

0

9.00 9.10 9.20

Time-->





#47

Bromodichloromethane

Concen: 52.630 ug/l

RT: 9.38 min Scan# 808

Delta R.T. 0.00 min

Lab File: VD062783.D

Acq: 19 Jun 2019 17:14

Instrument :

MSVOA_D

ClientSampleId :

ICVVD061919

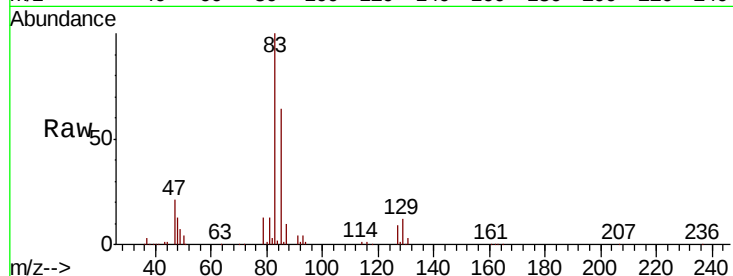
Tot Ion: 83 Resp: 778806

Ion Ratio Lower Upper

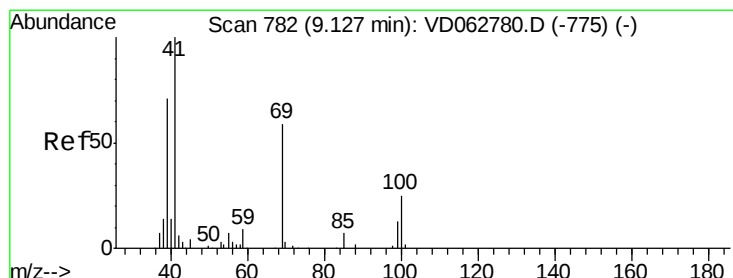
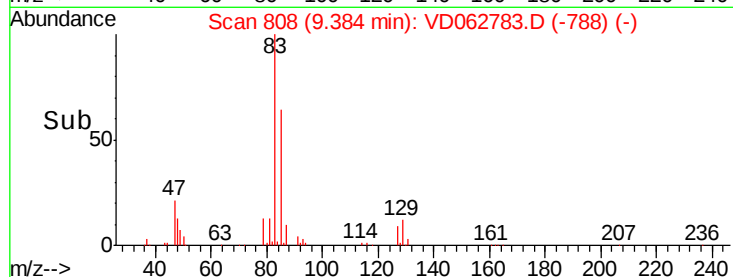
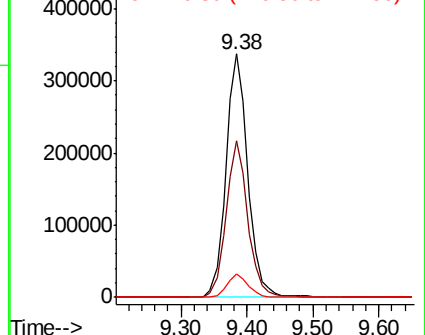
83 100

85 64.1 51.6 77.4

127 9.4 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: 47.848 ug/l

RT: 9.13 min Scan# 782

Delta R.T. 0.00 min

Lab File: VD062783.D

Acq: 19 Jun 2019 17:14

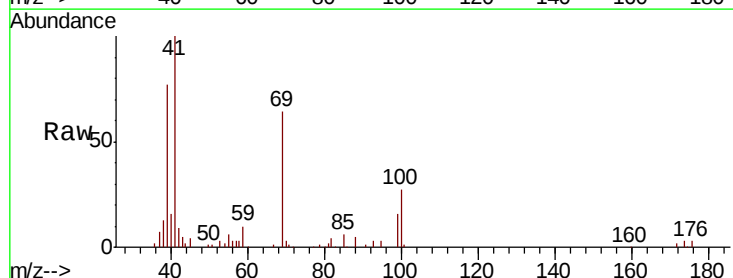
Tgt Ion: 41 Resp: 236891

Ion Ratio Lower Upper

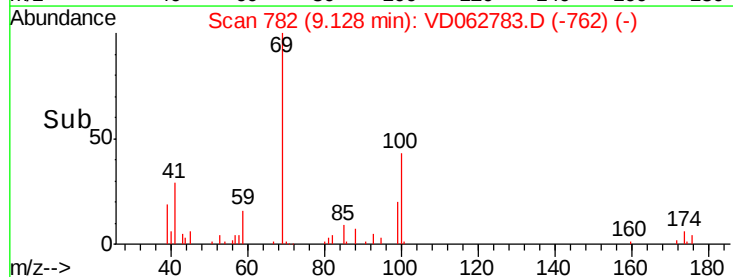
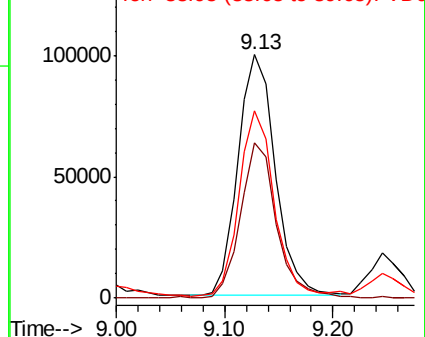
41 100

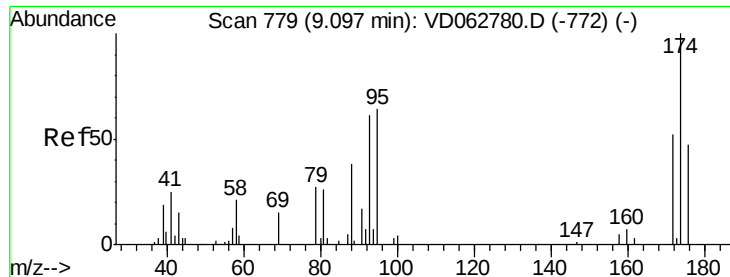
69 64.0 47.2 70.8

39 76.8 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

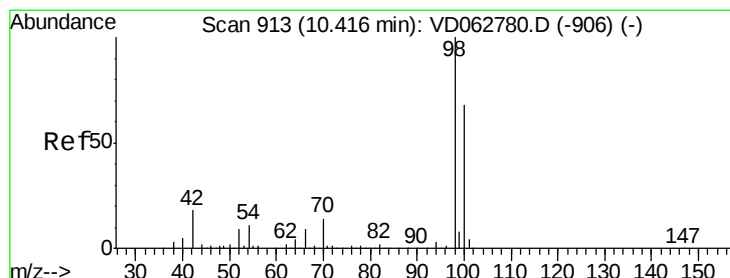
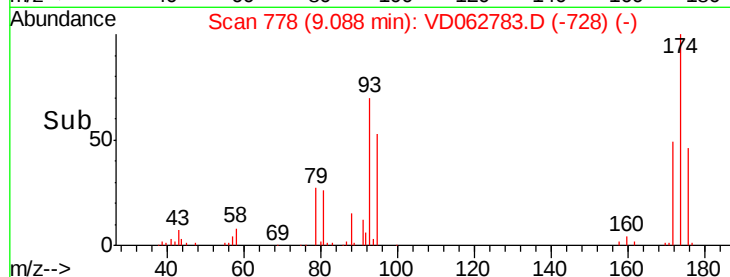
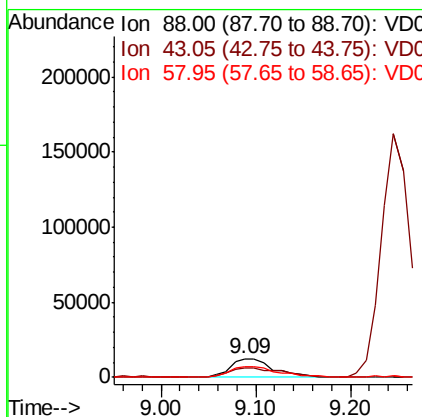
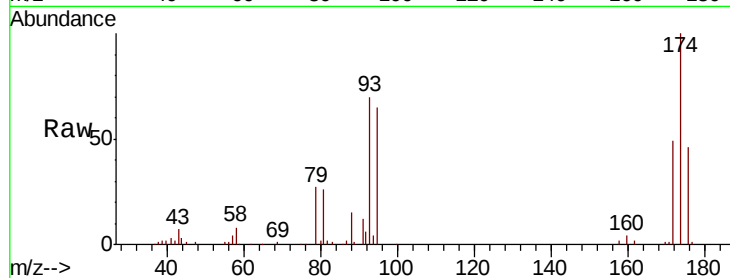




#49
1,4-Dioxane
Concen: 974.701 ug/l
RT: 9.09 min Scan# 778
Delta R.T. -0.01 min
Lab File: VD062783.D
Acq: 19 Jun 2019 17:14

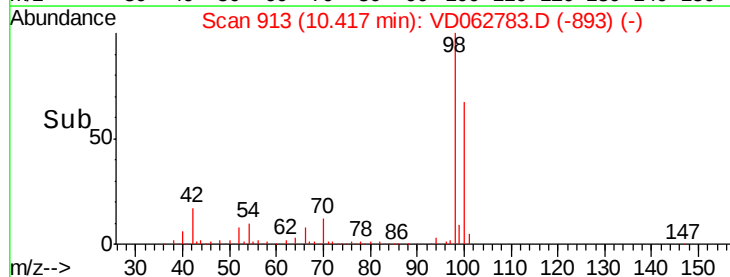
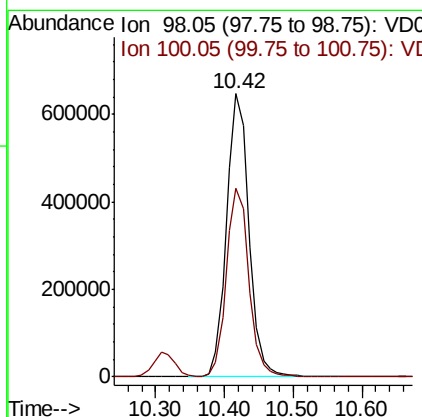
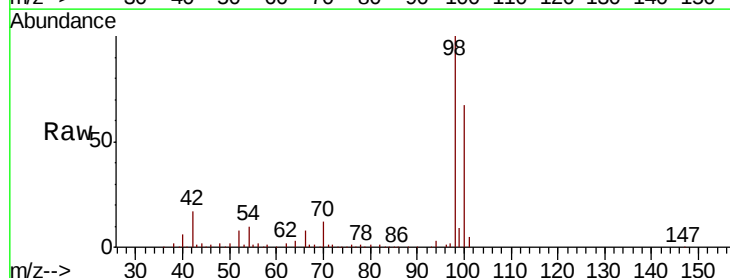
Instrument :
MSVOA_D
ClientSampleId :
ICVVD061919

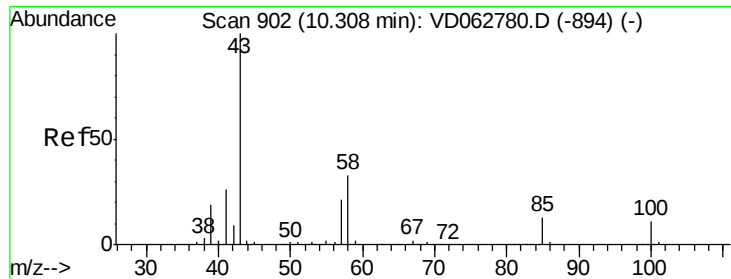
Tot Ion: 88 Resp: 40148
Ion Ratio Lower Upper
88 100
43 48.8 32.1 48.1#
58 57.4 44.1 66.1



#50
Toluene-d8
Concen: 56.619 ug/l
RT: 10.42 min Scan# 913
Delta R.T. 0.00 min
Lab File: VD062783.D
Acq: 19 Jun 2019 17:14

Tgt Ion: 98 Resp: 1458631
Ion Ratio Lower Upper
98 100
100 66.8 54.7 82.1

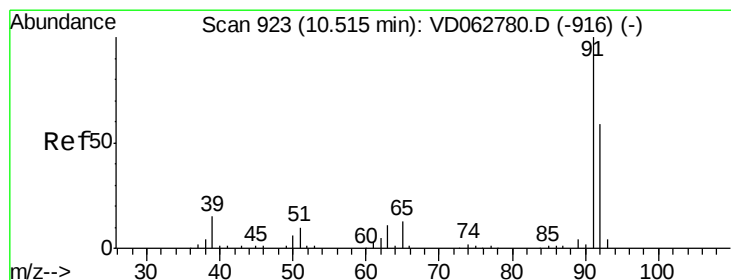
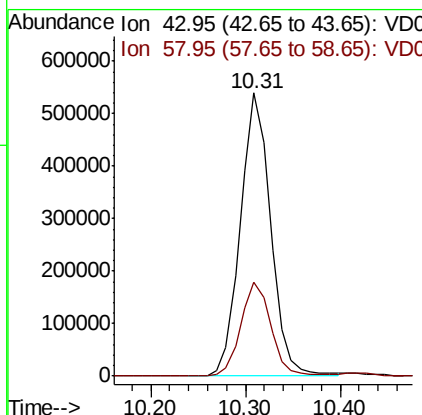
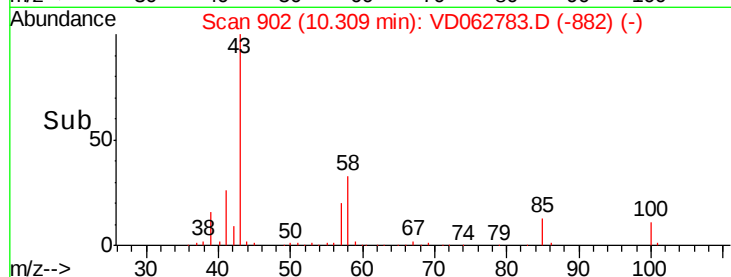
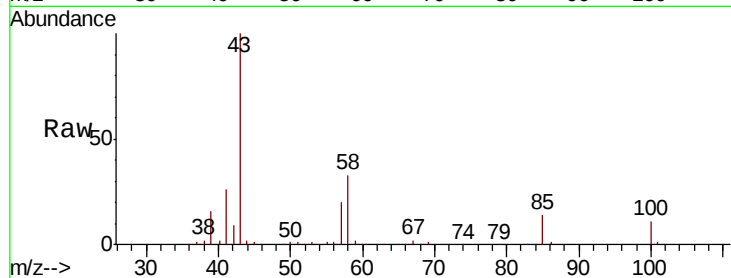




#51
4-Methyl-2-Pentanone
Concen: 242.617 ug/l
RT: 10.31 min Scan# 902
Delta R.T. 0.00 min
Lab File: VD062783.D
Acq: 19 Jun 2019 17:14

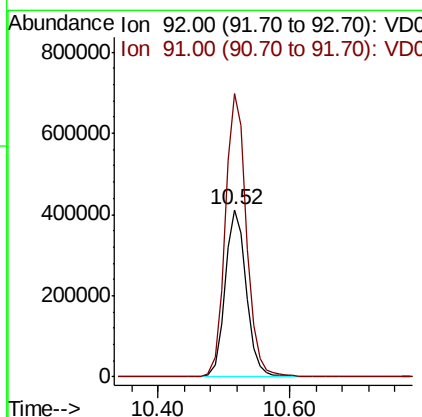
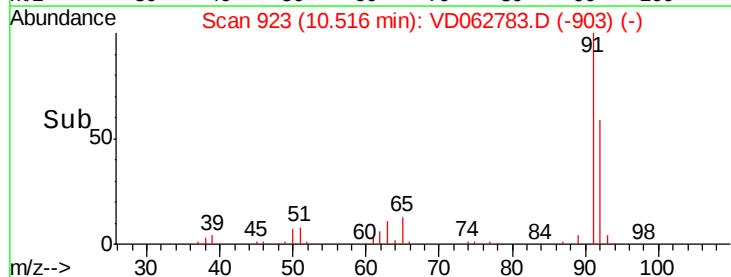
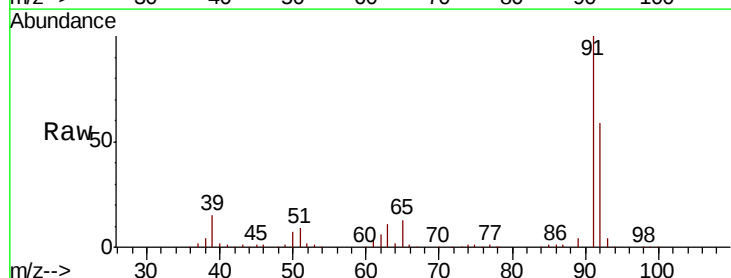
Instrument :
MSVOA_D
ClientSampleId :
ICVVD061919

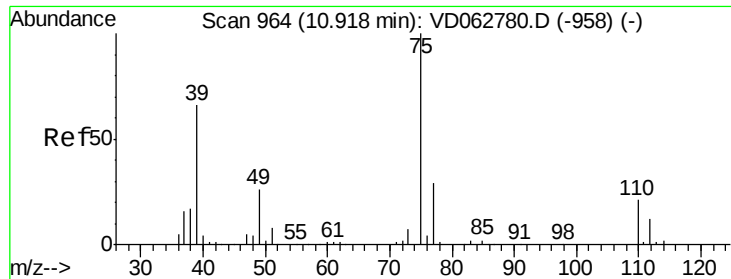
Tot Ion: 43 Resp: 1198414
Ion Ratio Lower Upper
43 100
58 33.4 26.6 40.0



#52
Toluene
Concen: 51.650 ug/l
RT: 10.52 min Scan# 923
Delta R.T. 0.00 min
Lab File: VD062783.D
Acq: 19 Jun 2019 17:14

Tgt Ion: 92 Resp: 926147
Ion Ratio Lower Upper
92 100
91 169.3 136.3 204.5

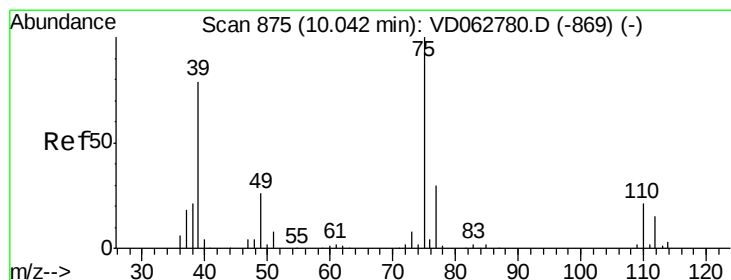
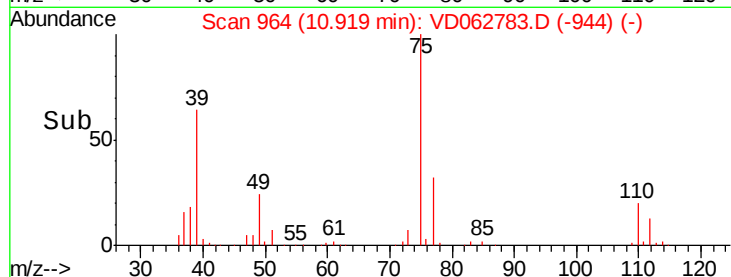
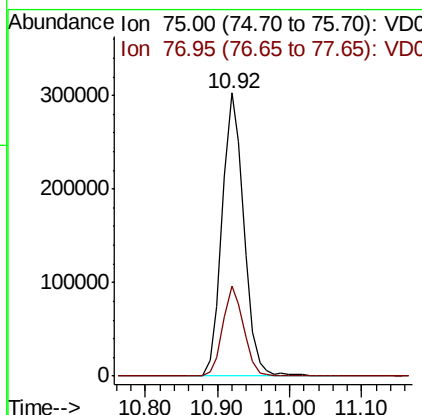
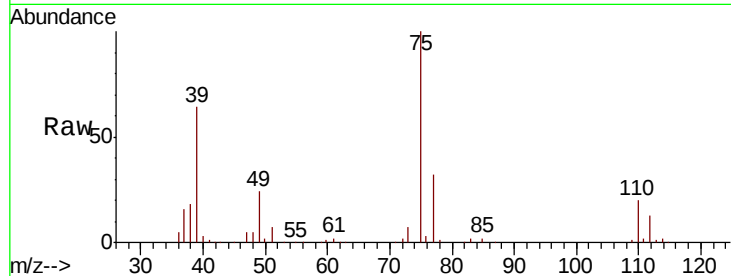




#53
 t-1,3-Dichloropropene
 Concen: 52.121 ug/l
 RT: 10.92 min Scan# 964
 Delta R.T. 0.00 min
 Lab File: VD062783.D
 Acq: 19 Jun 2019 17:14

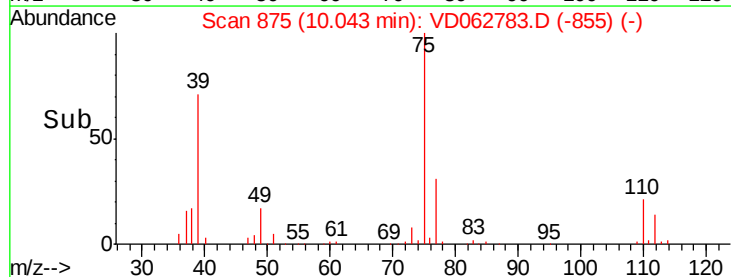
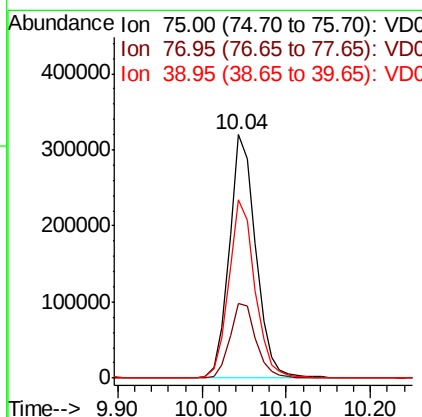
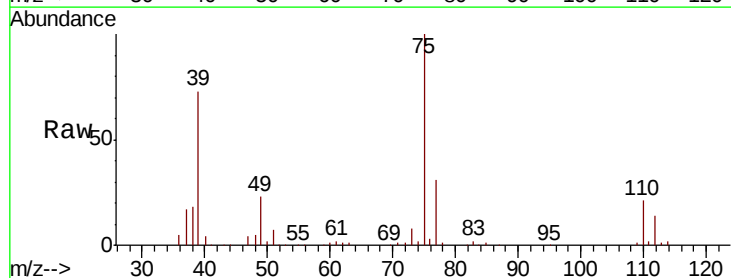
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD061919

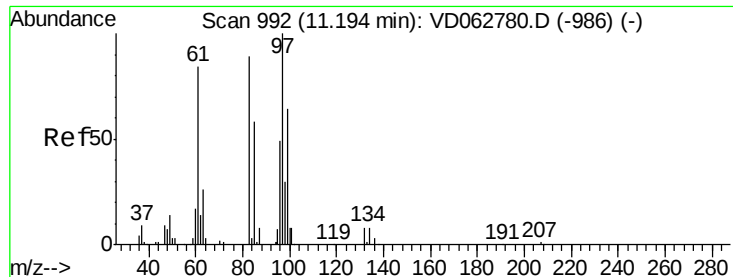
Tot Ion: 75 Resp: 631268
 Ion Ratio Lower Upper
 75 100
 77 32.0 23.2 34.8



#54
 cis-1,3-Dichloropropene
 Concen: 53.225 ug/l
 RT: 10.04 min Scan# 875
 Delta R.T. 0.00 min
 Lab File: VD062783.D
 Acq: 19 Jun 2019 17:14

Tgt Ion: 75 Resp: 700683
 Ion Ratio Lower Upper
 75 100
 77 30.8 24.2 36.2
 39 73.3 63.5 95.3





#55

1,1,2-Trichloroethane

Concen: 47.485 ug/l

RT: 11.19 min Scan# 992

Delta R.T. 0.00 min

Lab File: VD062783.D

Acq: 19 Jun 2019 17:14

Instrument :

MSVOA_D

ClientSampleId :

ICVVD061919

Tot Ion: 97 Resp: 292529

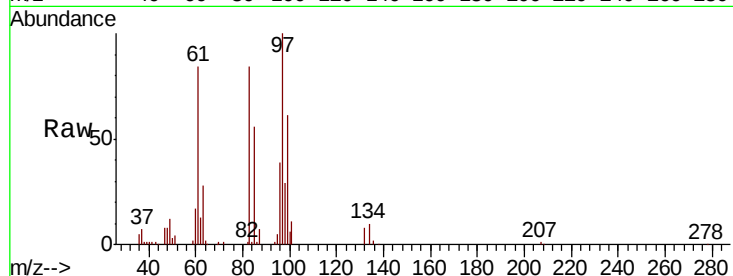
Ion Ratio Lower Upper

97 100

83 83.7 71.0 106.4

85 56.3 46.6 69.8

99 60.6 51.4 77.0



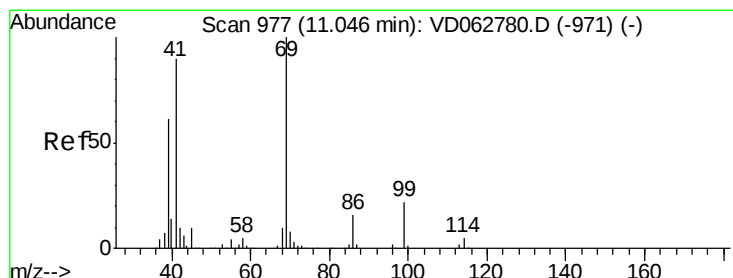
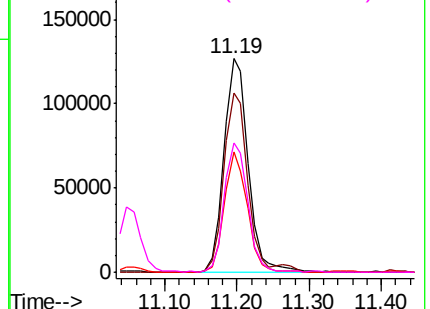
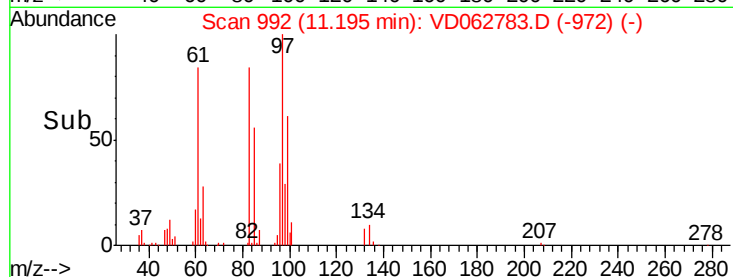
Abundance

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: 52.429 ug/l

RT: 11.05 min Scan# 977

Delta R.T. 0.00 min

Lab File: VD062783.D

Acq: 19 Jun 2019 17:14

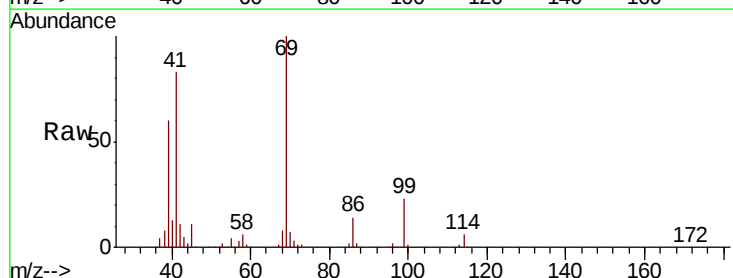
Tgt Ion: 69 Resp: 345168

Ion Ratio Lower Upper

69 100

41 83.3 72.0 108.0

39 60.1 49.5 74.3

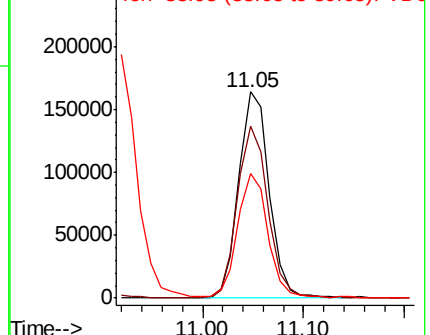
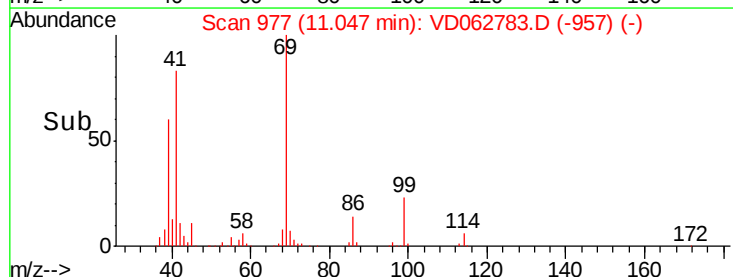


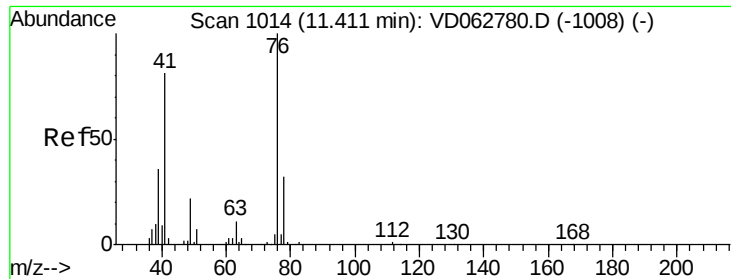
Abundance

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

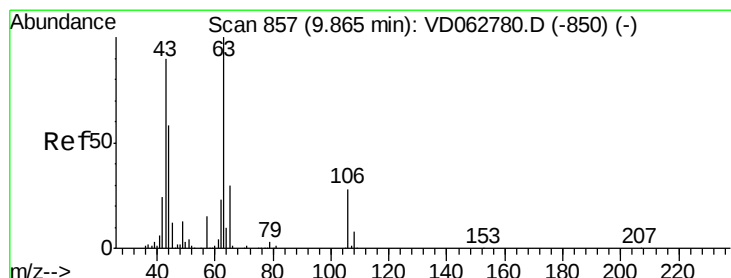
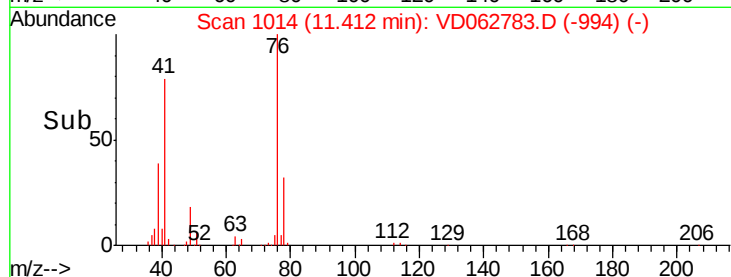
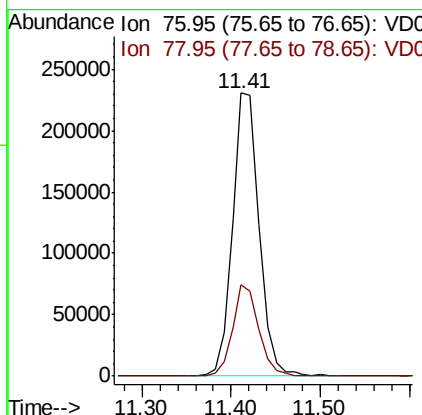
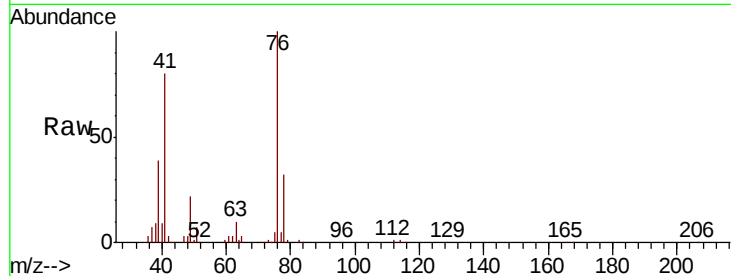




#57
 1,3-Dichloropropane
 Concen: 51.172 ug/l
 RT: 11.41 min Scan# 1014
 Delta R.T. 0.00 min
 Lab File: VD062783.D
 Acq: 19 Jun 2019 17:14

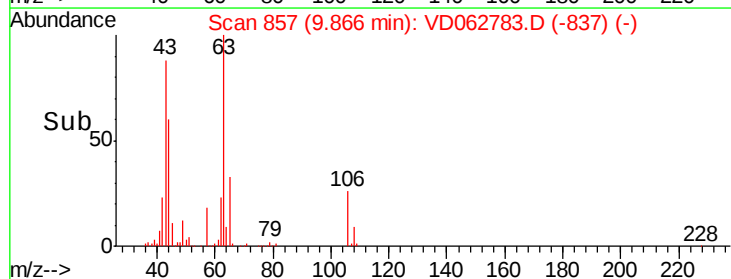
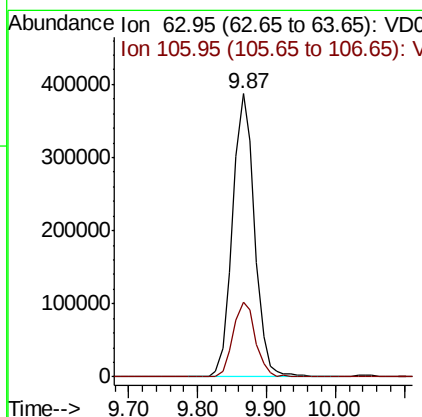
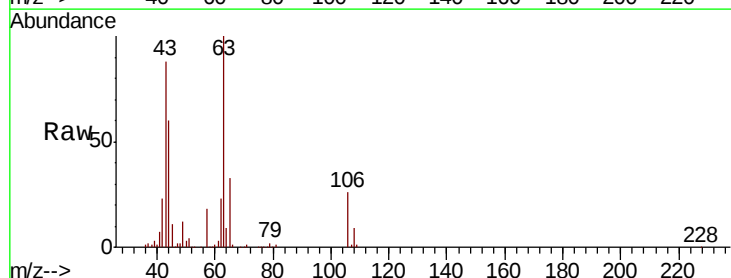
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD061919

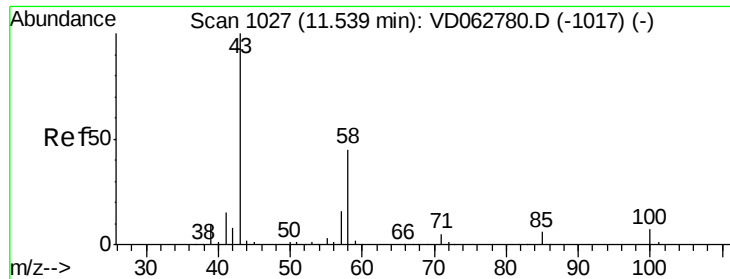
Tot Ion: 76 Resp: 482684
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 254.345 ug/l
 RT: 9.87 min Scan# 857
 Delta R.T. 0.00 min
 Lab File: VD062783.D
 Acq: 19 Jun 2019 17:14

Tgt Ion: 63 Resp: 859662
 Ion Ratio Lower Upper
 63 100
 106 26.2 22.1 33.1

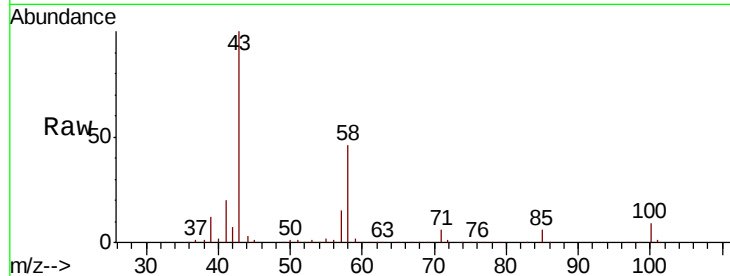




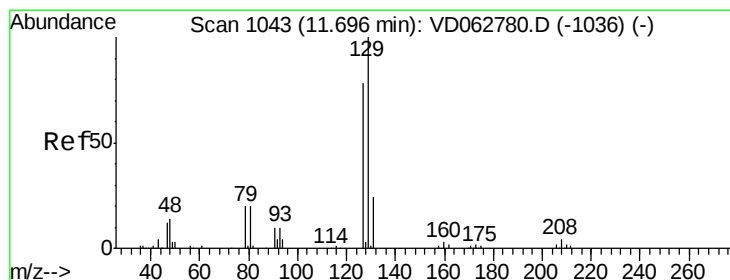
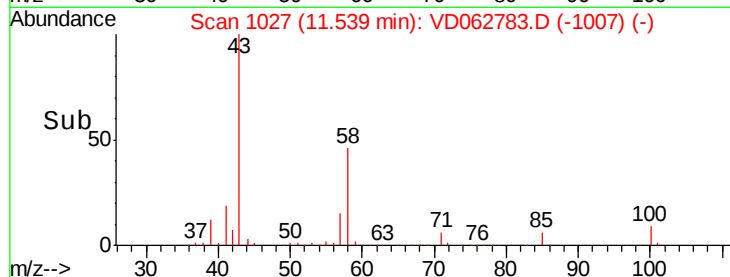
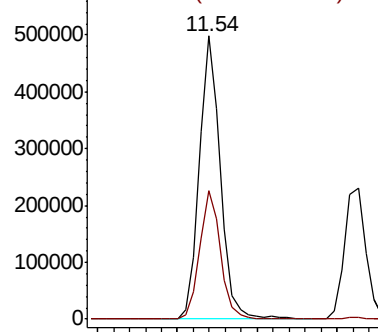
#59
2-Hexanone
Concen: 264.067 ug/l
RT: 11.54 min Scan# 1027
Delta R.T. 0.00 min
Lab File: VD062783.D
Acq: 19 Jun 2019 17:14

Instrument :
MSVOA_D
ClientSampleId :
ICVVD061919

Tot Ion: 43 Resp: 928958
Ion Ratio Lower Upper
43 100
58 45.5 22.4 67.2

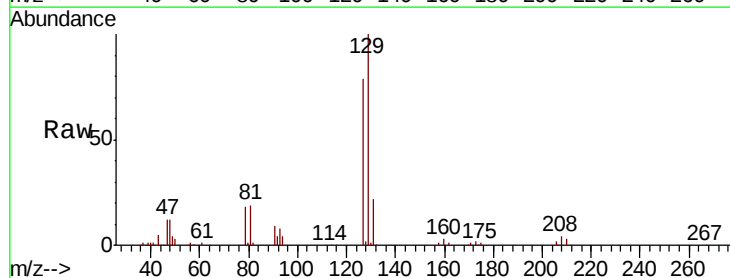


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

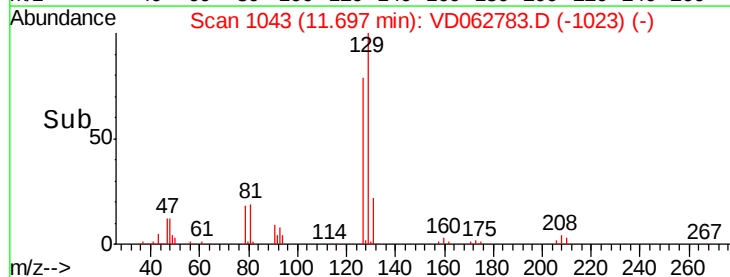
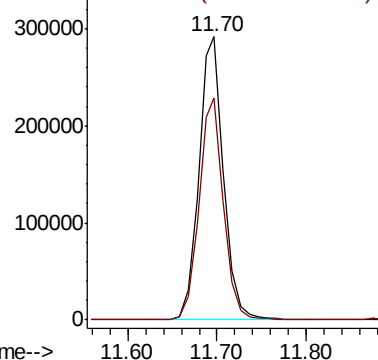


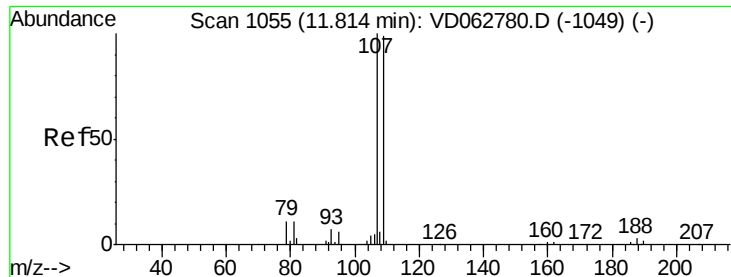
#60
Dibromochloromethane
Concen: 49.281 ug/l
RT: 11.70 min Scan# 1043
Delta R.T. 0.00 min
Lab File: VD062783.D
Acq: 19 Jun 2019 17:14

Tgt Ion: 129 Resp: 565485
Ion Ratio Lower Upper
129 100
127 78.6 38.9 116.6



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

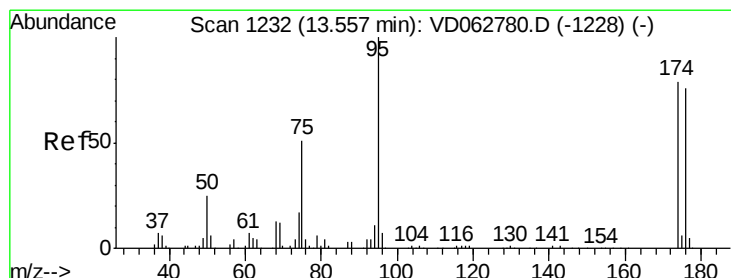
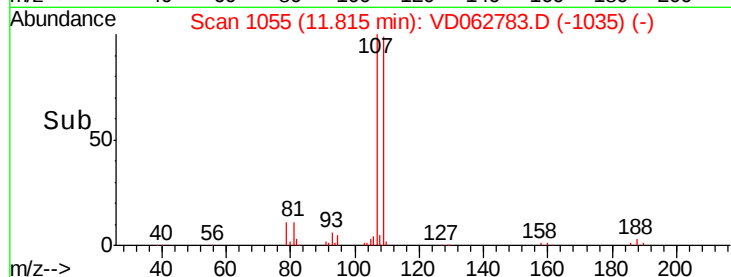
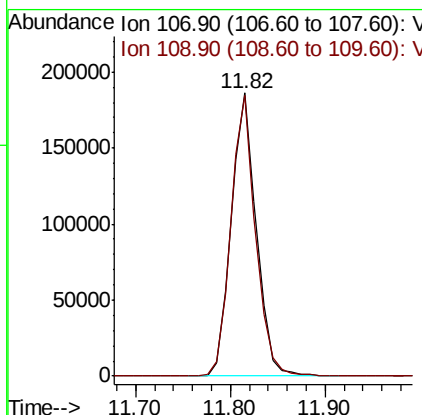
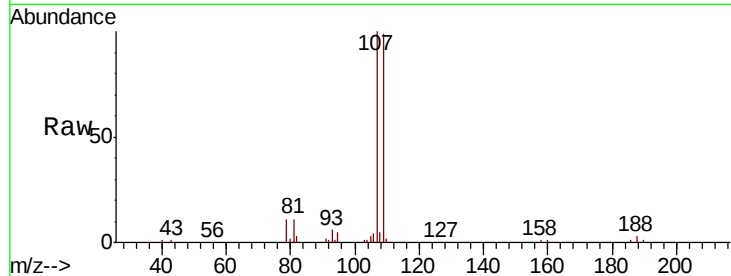




#61
 1,2-Dibromoethane
 Concen: 46.710 ug/l
 RT: 11.82 min Scan# 1055
 Delta R.T. 0.00 min
 Lab File: VD062783.D
 Acq: 19 Jun 2019 17:14

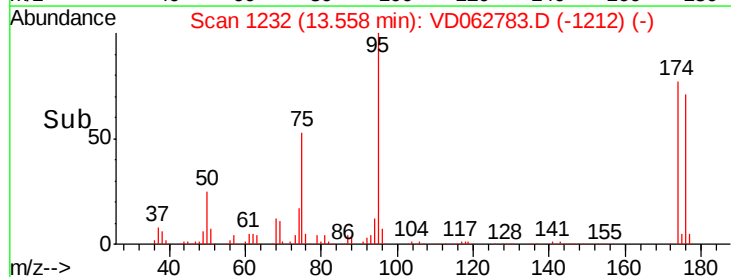
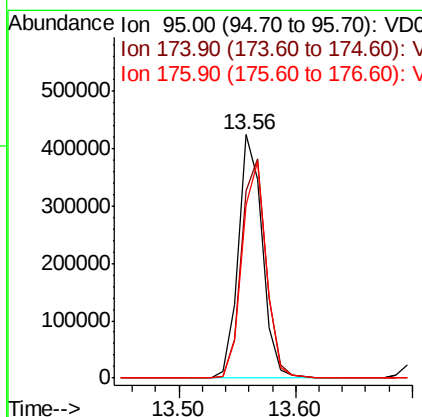
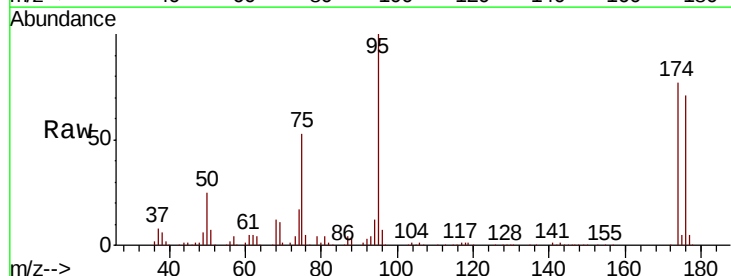
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD061919

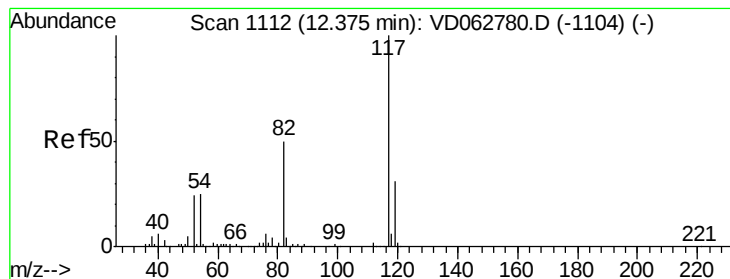
Tot Ion:107 Resp: 339849
 Ion Ratio Lower Upper
 107 100
 109 99.2 79.3 118.9



#62
 4-Bromofluorobenzene
 Concen: 51.584 ug/l
 RT: 13.56 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VD062783.D
 Acq: 19 Jun 2019 17:14

Tgt Ion: 95 Resp: 604268
 Ion Ratio Lower Upper
 95 100
 174 76.9 0.0 158.0
 176 71.3 0.0 151.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.38 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VD062783.D

Acq: 19 Jun 2019 17:14

Instrument :

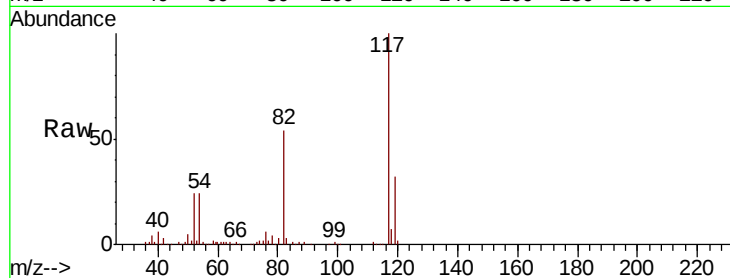
MSVOA_D

ClientSampleId :

ICVVD061919

Tot Ion:117 Resp: 1184545

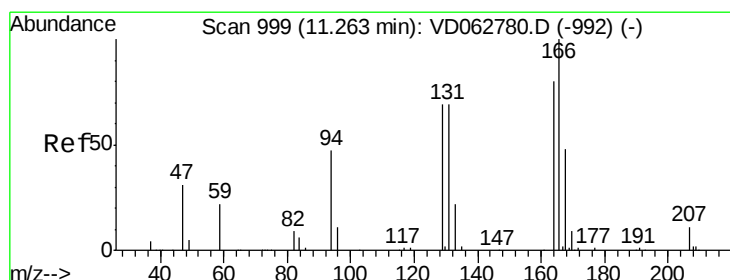
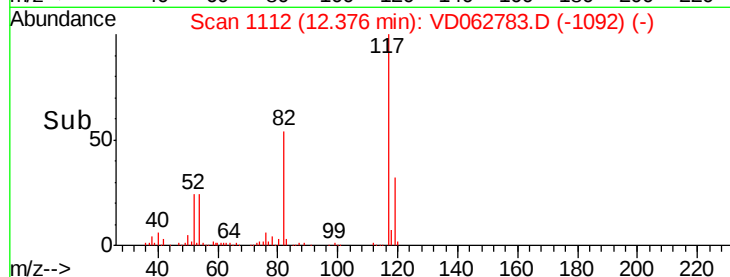
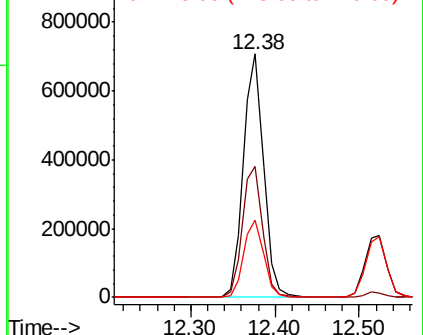
Ion	Ratio	Lower	Upper
117	100		
82	53.6	40.4	60.6
119	31.5	25.2	37.8



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: 51.219 ug/l

RT: 11.26 min Scan# 999

Delta R.T. 0.00 min

Lab File: VD062783.D

Acq: 19 Jun 2019 17:14

Tgt Ion:164 Resp: 499341

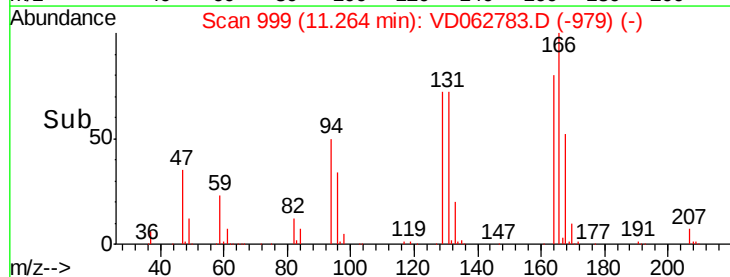
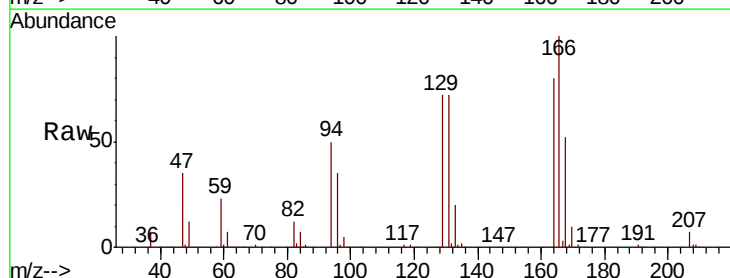
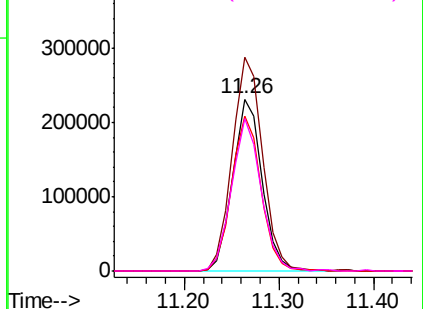
Ion	Ratio	Lower	Upper
164	100		
166	124.3	100.6	150.8
129	89.8	69.4	104.0
131	89.0	69.3	103.9

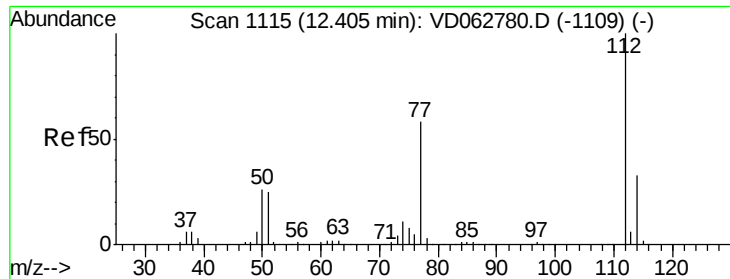
Abundance Ion 163.85 (163.55 to 164.55): V

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: 50.050 ug/l

RT: 12.41 min Scan# 1115

Delta R.T. 0.00 min

Lab File: VD062783.D

Acq: 19 Jun 2019 17:14

Instrument :

MSVOA_D

ClientSampleId :

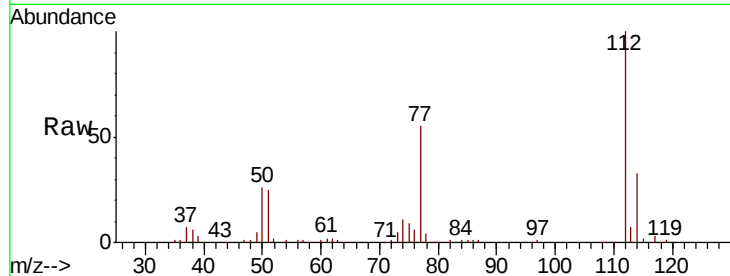
ICVVD061919

Tot Ion:112 Resp: 1100292

Ion Ratio Lower Upper

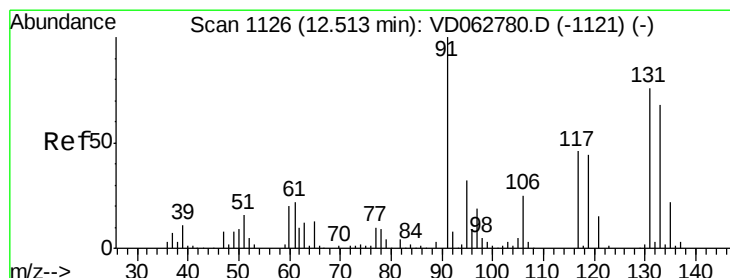
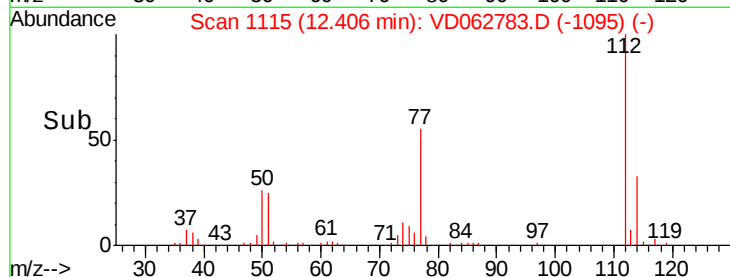
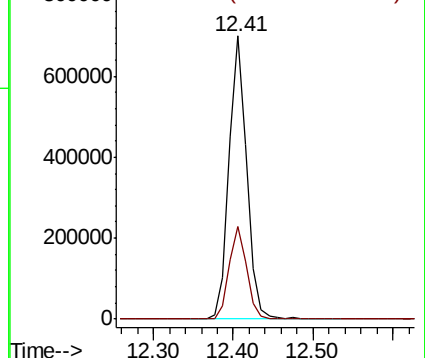
112 100

114 32.7 26.3 39.5



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 50.266 ug/l

RT: 12.52 min Scan# 1127

Delta R.T. 0.01 min

Lab File: VD062783.D

Acq: 19 Jun 2019 17:14

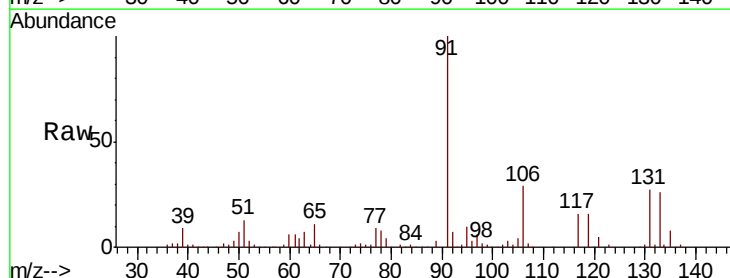
Tgt Ion:131 Resp: 516778

Ion Ratio Lower Upper

131 100

133 99.1 44.5 133.3

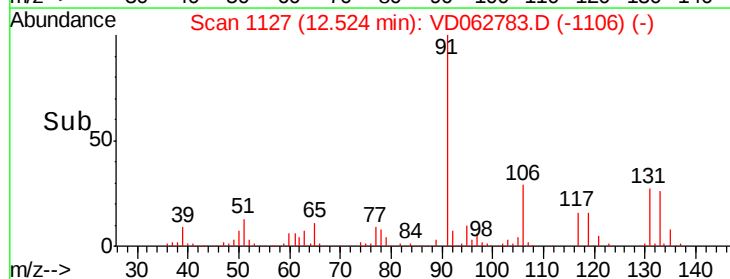
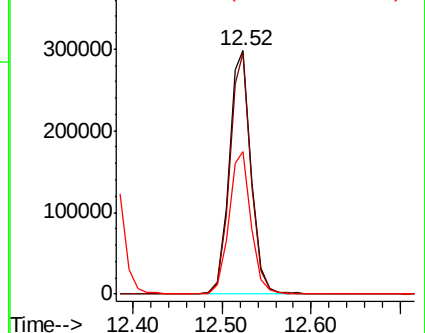
119 58.6 28.6 85.9



Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

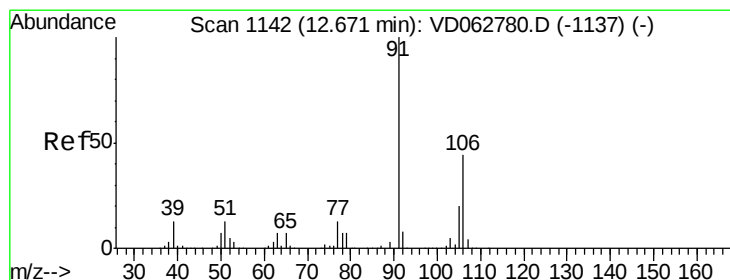
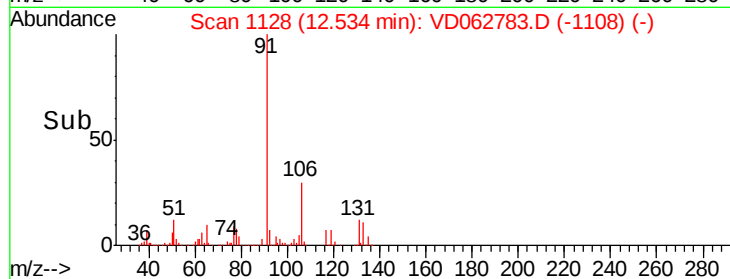
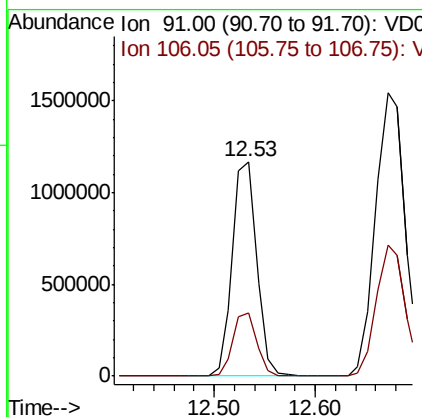
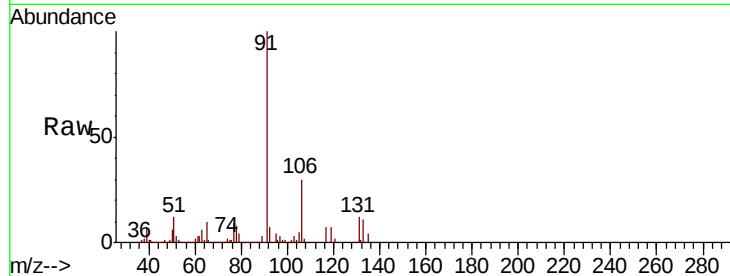




#67
Ethyl Benzene
Concen: 49.863 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VD062783.D
Acq: 19 Jun 2019 17:14

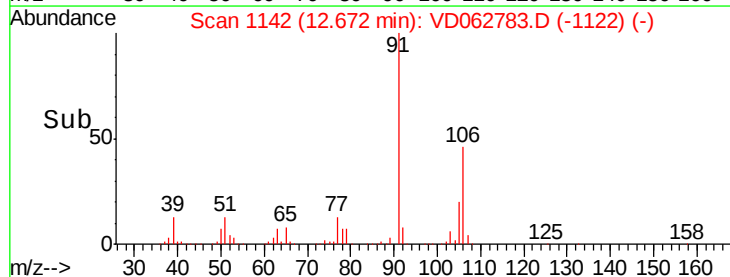
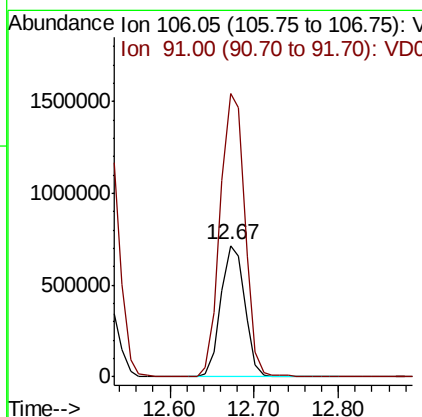
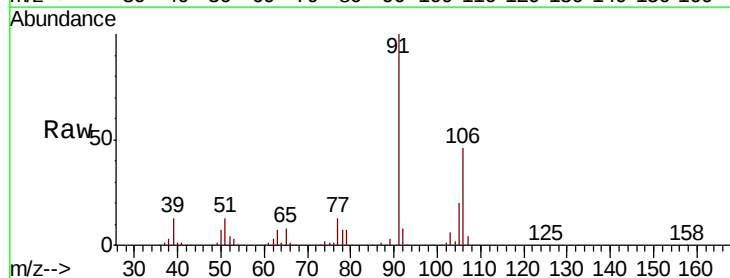
Instrument :
MSVOA_D
ClientSampleId :
ICVVD061919

Tot Ion: 91 Resp: 1968087
Ion Ratio Lower Upper
91 100
106 29.5 23.1 34.7



#68
m/p-Xylenes
Concen: 102.658 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VD062783.D
Acq: 19 Jun 2019 17:14

Tgt Ion: 106 Resp: 1411227
Ion Ratio Lower Upper
106 100
91 216.0 183.0 274.6

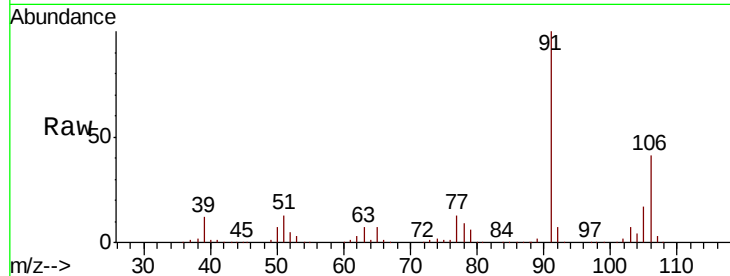




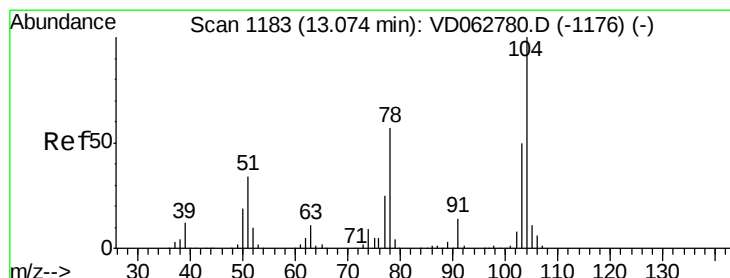
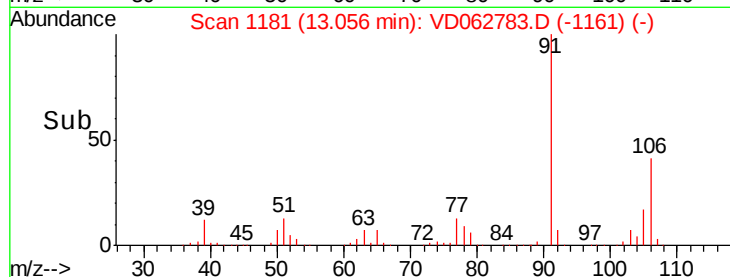
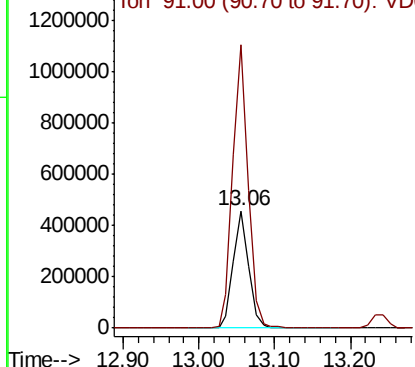
#69
o-Xylene
Concen: 50.888 ug/l
RT: 13.06 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VD062783.D
Acq: 19 Jun 2019 17:14

Instrument :
MSVOA_D
ClientSampleId :
ICVVD061919

Tot Ion:106 Resp: 639500
Ion Ratio Lower Upper
106 100
91 242.0 117.9 353.6

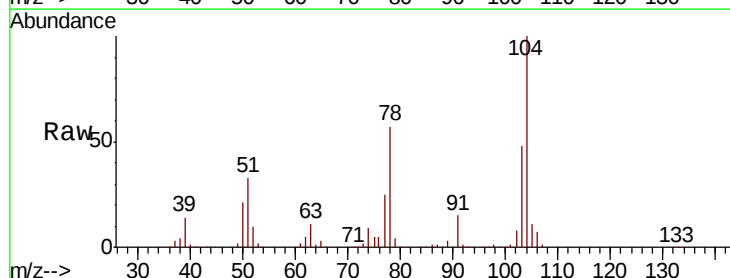


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

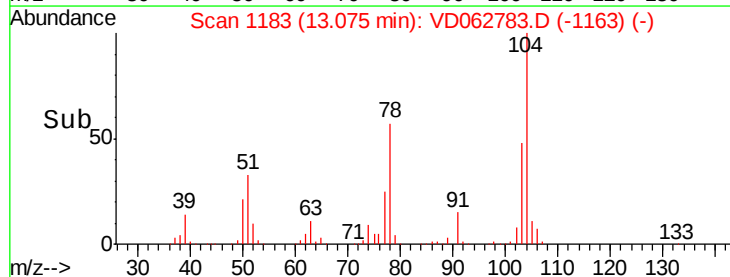
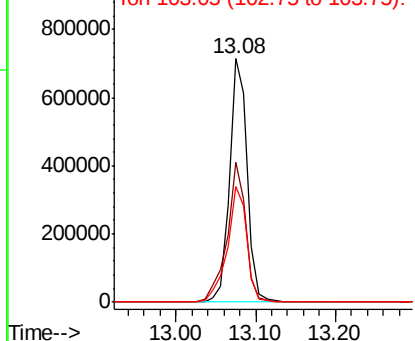


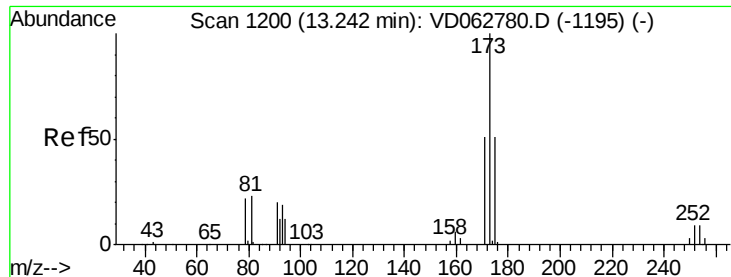
#70
Styrene
Concen: 50.401 ug/l
RT: 13.08 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VD062783.D
Acq: 19 Jun 2019 17:14

Tgt Ion:104 Resp: 1112495
Ion Ratio Lower Upper
104 100
78 57.4 45.4 68.2
103 47.7 39.7 59.5



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V

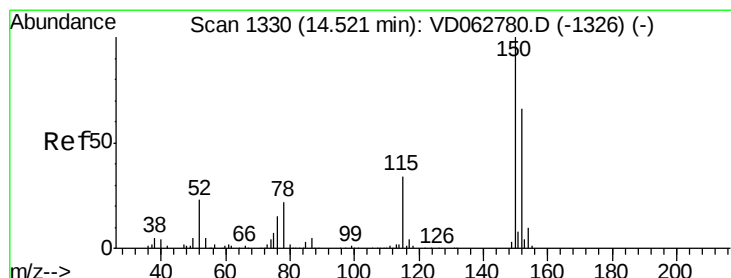
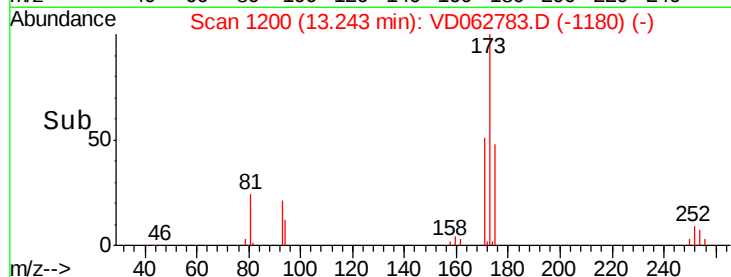
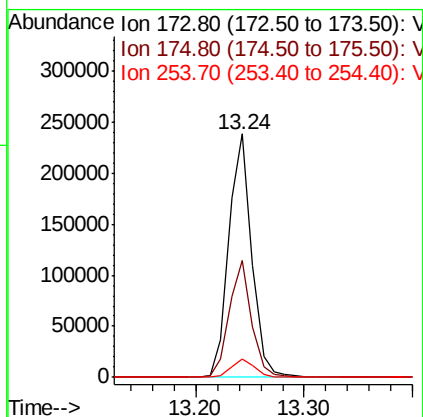
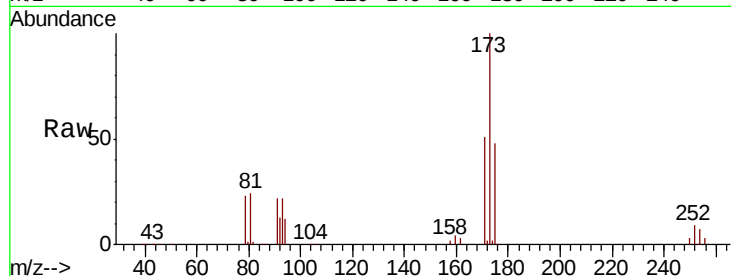




#71
Bromoform
Concen: 49.786 ug/l
RT: 13.24 min Scan# 1200
Delta R.T. 0.00 min
Lab File: VD062783.D
Acq: 19 Jun 2019 17:14

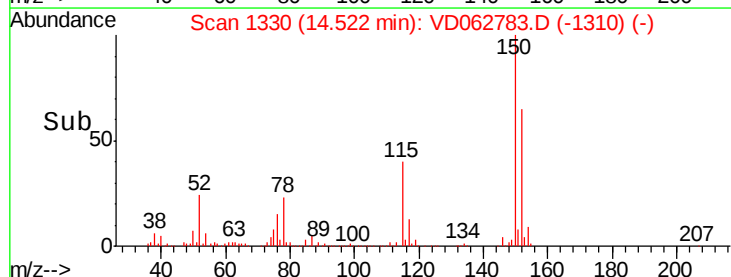
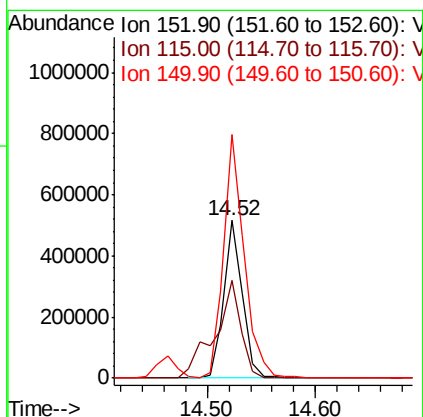
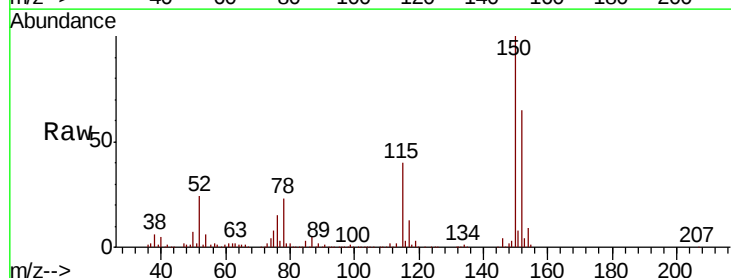
Instrument :
MSVOA_D
ClientSampleId :
ICVVD061919

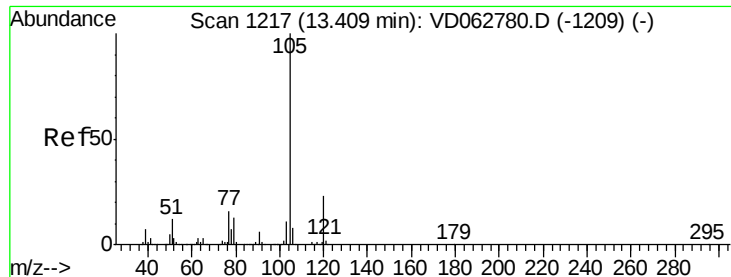
Tot Ion:173 Resp: 350687
Ion Ratio Lower Upper
173 100
175 47.9 25.3 75.9
254 7.4 7.1 10.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD062783.D
Acq: 19 Jun 2019 17:14

Tgt Ion:152 Resp: 615206
Ion Ratio Lower Upper
152 100
115 61.8 29.2 87.6
150 154.5 0.0 305.8





#73

Isopropylbenzene

Concen: 48.805 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VD062783.D

Acq: 19 Jun 2019 17:14

Instrument :

MSVOA_D

ClientSampleId :

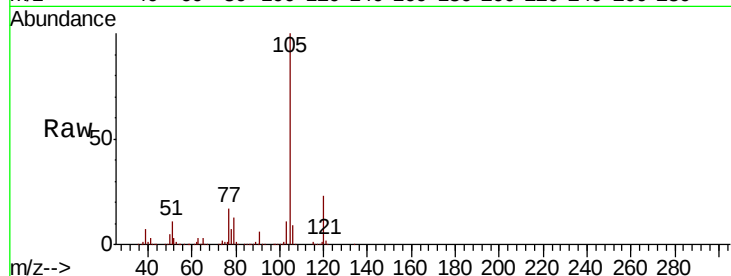
ICVVD061919

Tot Ion:105 Resp: 1925147

Ion Ratio Lower Upper

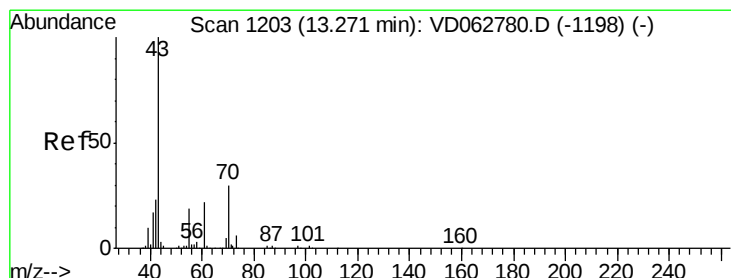
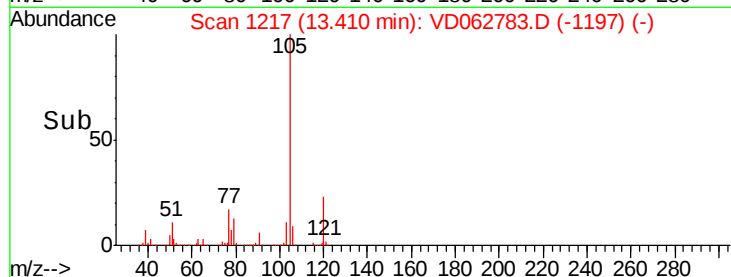
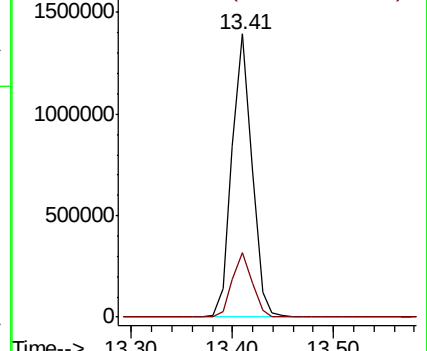
105 100

120 22.8 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: 54.508 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VD062783.D

Acq: 19 Jun 2019 17:14

Tgt Ion: 43 Resp: 522151

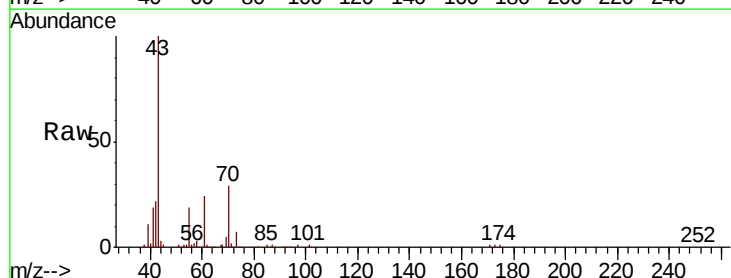
Ion Ratio Lower Upper

43 100

70 29.2 24.4 36.6

55 18.5 15.2 22.8

61 24.3 17.4 26.2

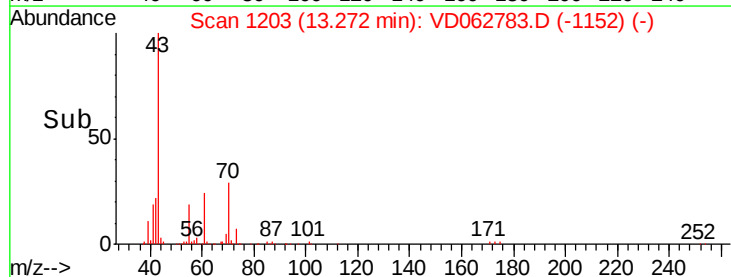
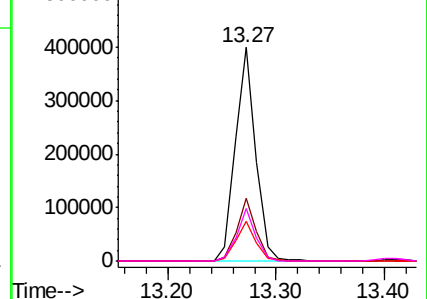


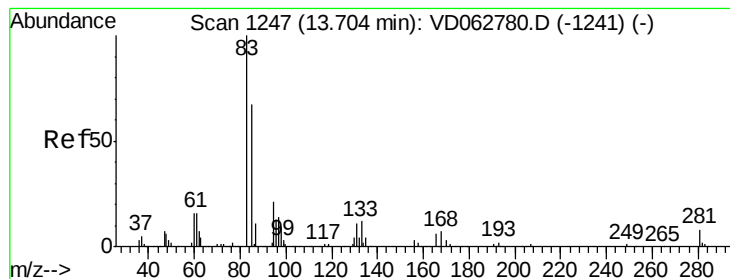
Abundance Ion 42.95 (42.65 to 43.65): VDC

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: 50.813 ug/l

RT: 13.71 min Scan# 1247

Delta R.T. 0.00 min

Lab File: VD062783.D

Acq: 19 Jun 2019 17:14

Instrument :

MSVOA_D

ClientSampleId :

ICVVD061919

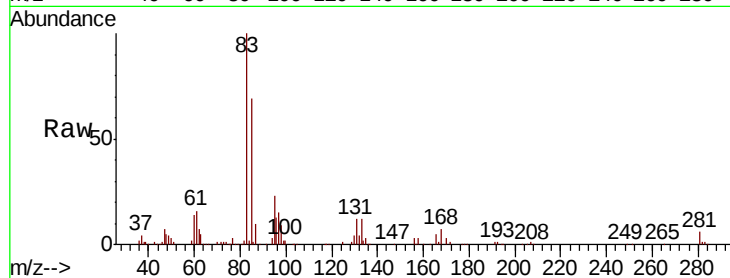
Tot Ion: 83 Resp: 326579

Ion Ratio Lower Upper

83 100

131 12.2 5.3 16.1

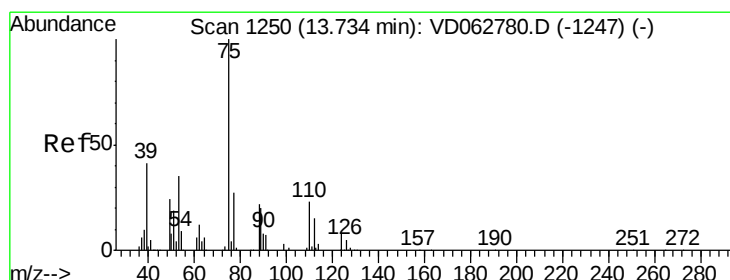
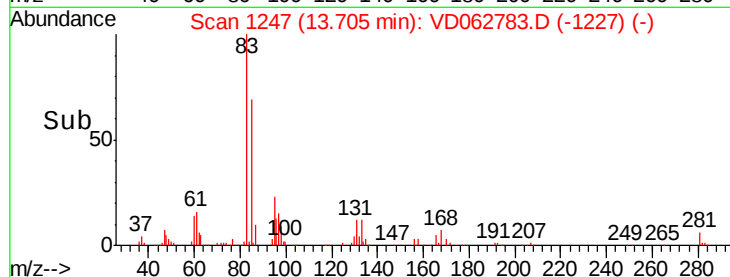
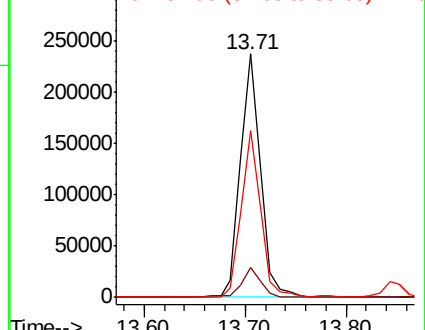
85 68.7 33.7 101.1



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: 50.710 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VD062783.D

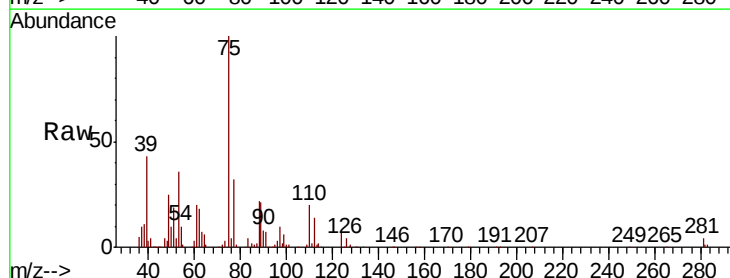
Acq: 19 Jun 2019 17:14

Tgt Ion: 75 Resp: 360149

Ion Ratio Lower Upper

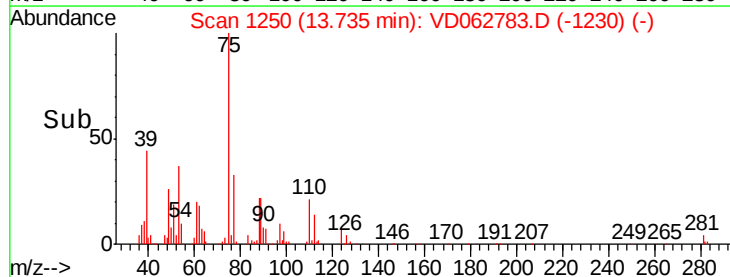
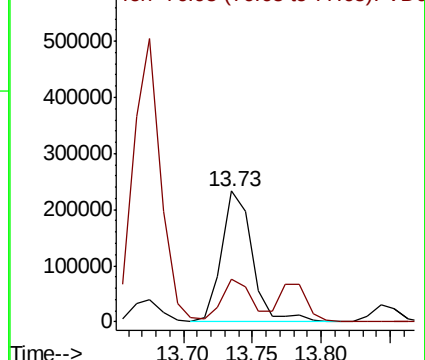
75 100

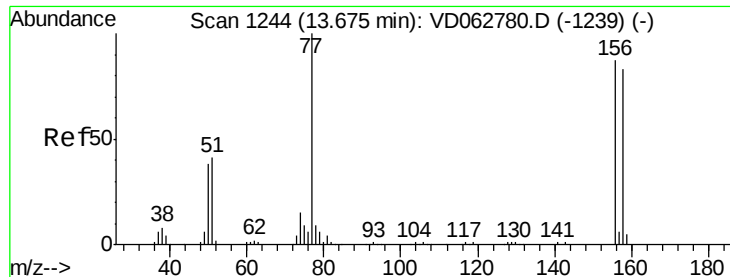
77 32.3 15.0 45.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 51.023 ug/l

RT: 13.68 min Scan# 1244

Delta R.T. 0.00 min

Lab File: VD062783.D

Acq: 19 Jun 2019 17:14

Instrument :

MSVOA_D

ClientSampleId :

ICVVD061919

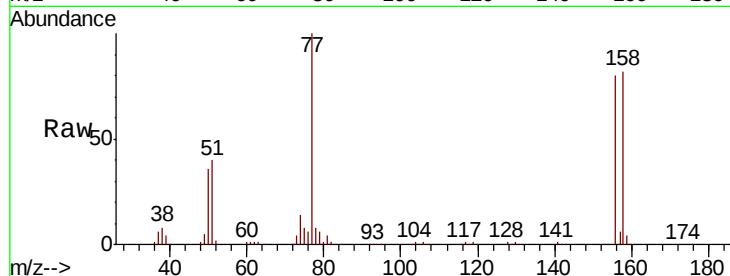
Tot Ion:156 Resp: 541347

Ion Ratio Lower Upper

156 100

77 124.7 57.7 173.1

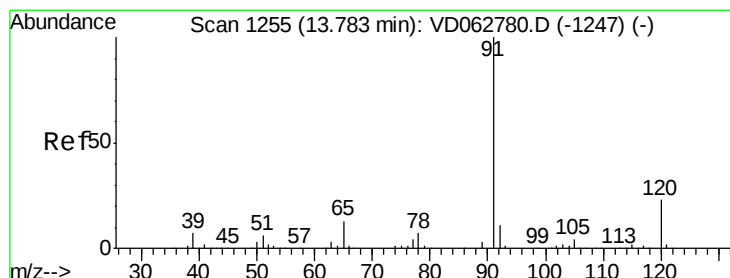
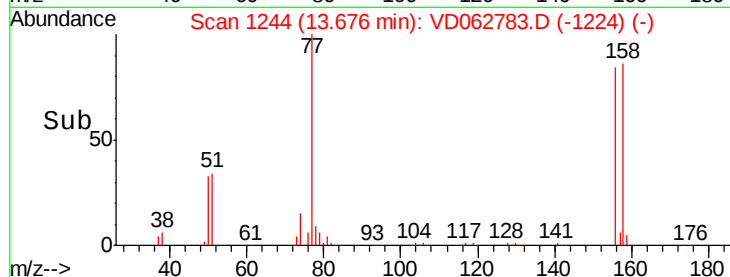
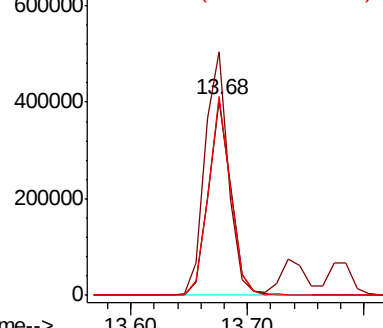
158 102.2 47.7 143.1



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 51.354 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VD062783.D

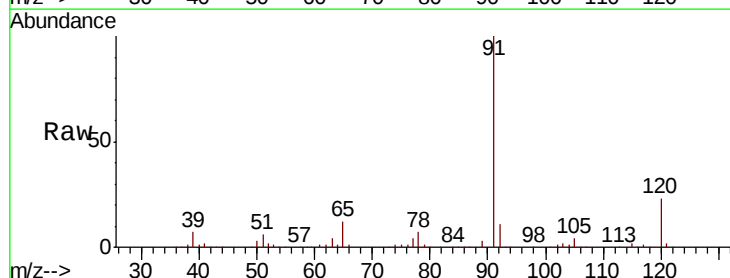
Acq: 19 Jun 2019 17:14

Tgt Ion: 91 Resp: 2357727

Ion Ratio Lower Upper

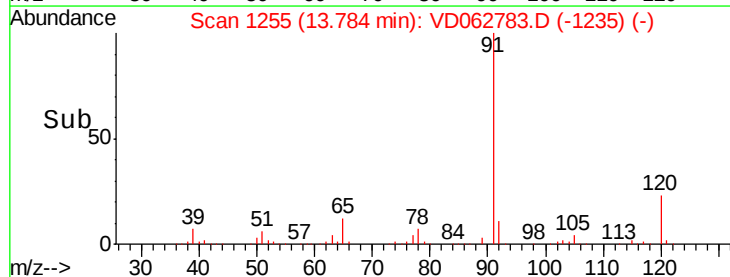
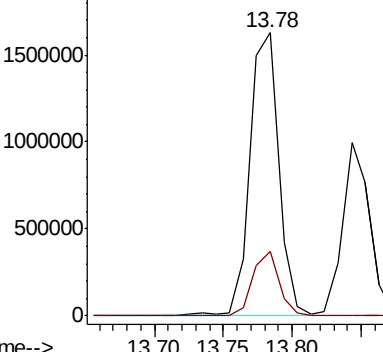
91 100

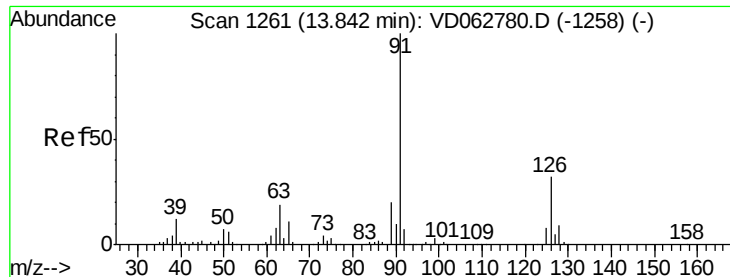
120 22.6 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

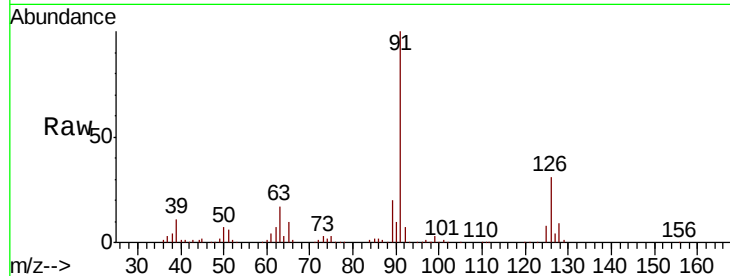




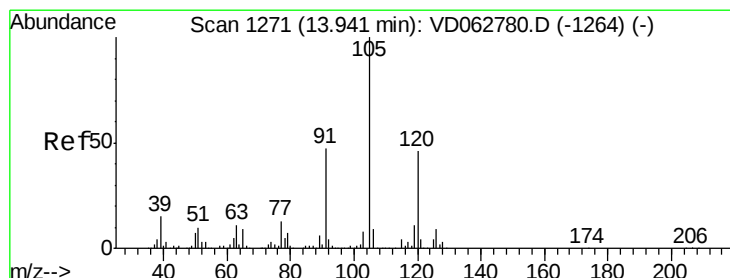
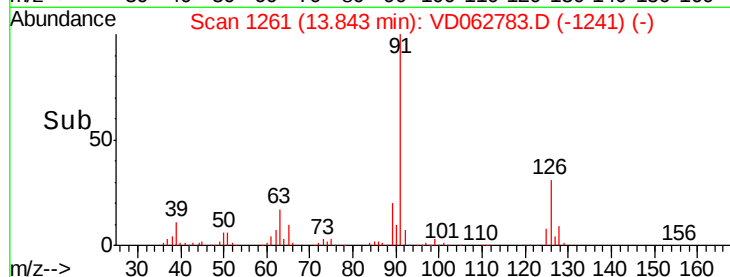
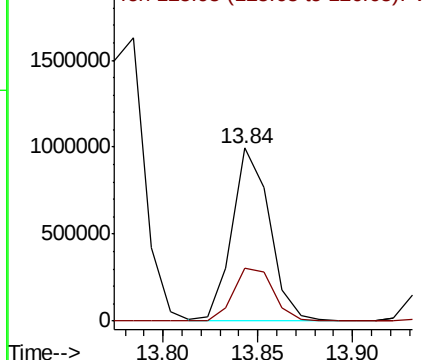
#79
2-Chlorotoluene
Concen: 51.714 ug/l
RT: 13.84 min Scan# 1261
Delta R.T. 0.00 min
Lab File: VD062783.D
Acq: 19 Jun 2019 17:14

Instrument :
MSVOA_D
ClientSampleId :
ICVVD061919

Tot Ion: 91 Resp: 1356845
Ion Ratio Lower Upper
91 100
126 30.7 15.7 47.1

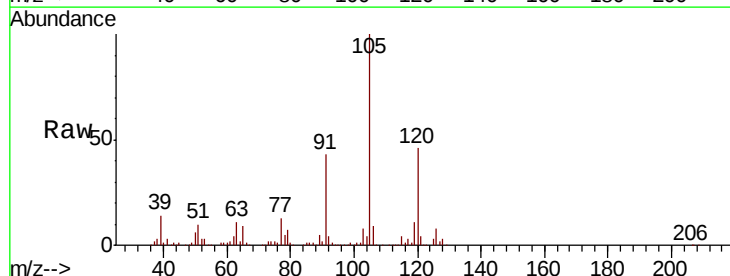


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 125.95 (125.65 to 126.65): V

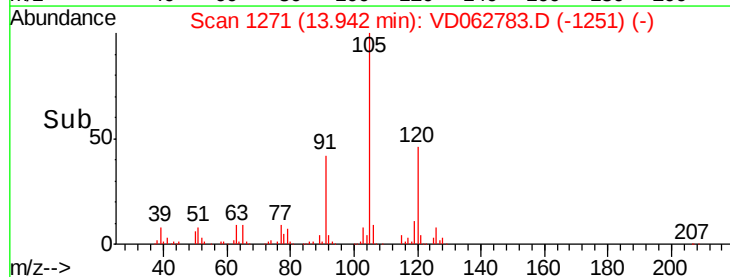
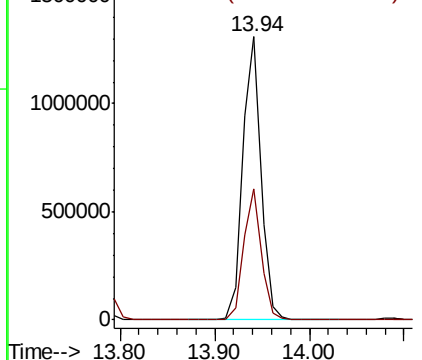


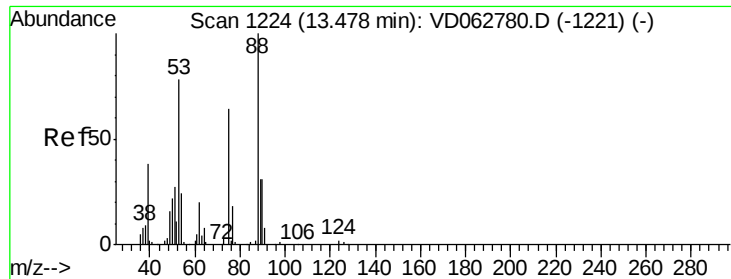
#80
1,3,5-Trimethylbenzene
Concen: 52.122 ug/l
RT: 13.94 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VD062783.D
Acq: 19 Jun 2019 17:14

Tgt Ion:105 Resp: 1726964
Ion Ratio Lower Upper
105 100
120 46.1 23.1 69.2



Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 55.929 ug/l

RT: 13.48 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VD062783.D

Acq: 19 Jun 2019 17:14

Instrument :

MSVOA_D

ClientSampleId :

ICVVD061919

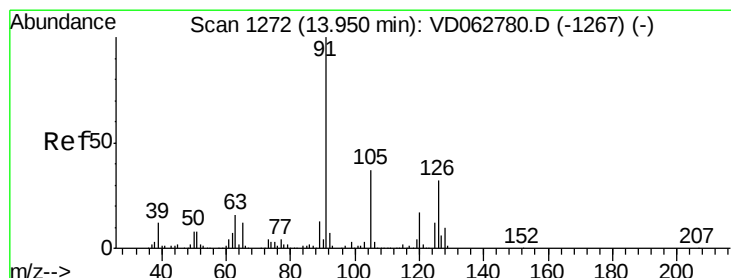
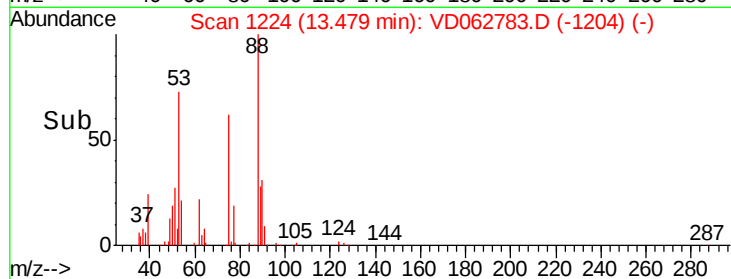
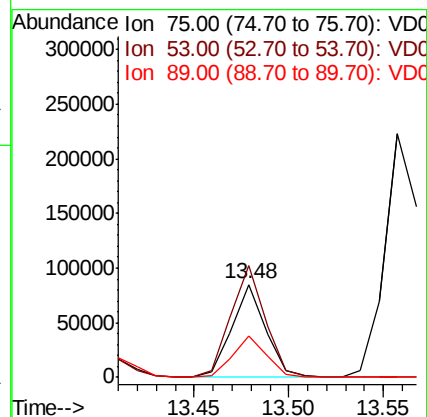
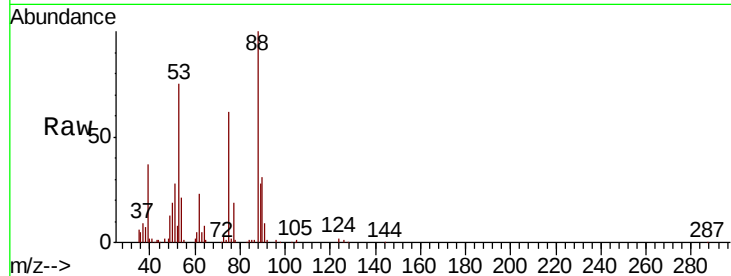
Tot Ion: 75 Resp: 104104

Ion Ratio Lower Upper

75 100

53 121.4 97.8 146.8

89 44.6 39.4 59.2



#82

4-Chlorotoluene

Concen: 50.723 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VD062783.D

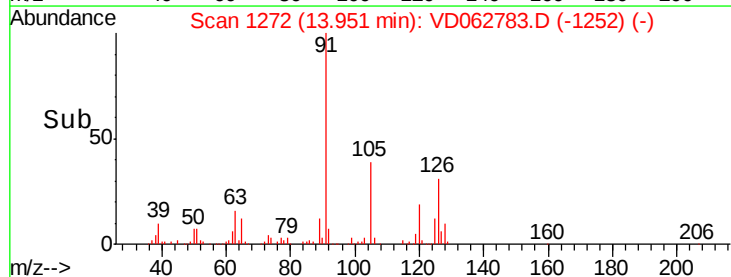
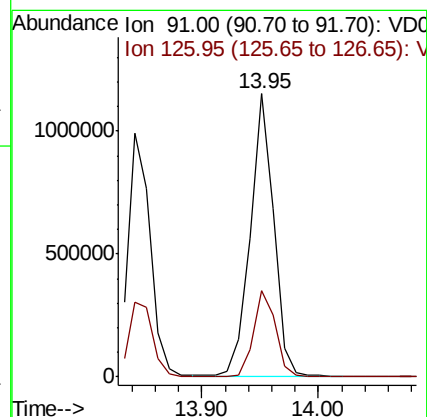
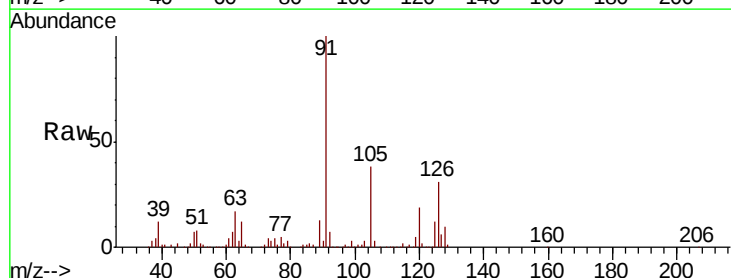
Acq: 19 Jun 2019 17:14

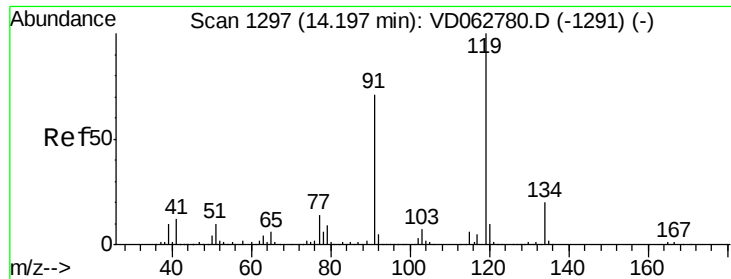
Tgt Ion: 91 Resp: 1602206

Ion Ratio Lower Upper

91 100

126 30.6 16.0 47.9

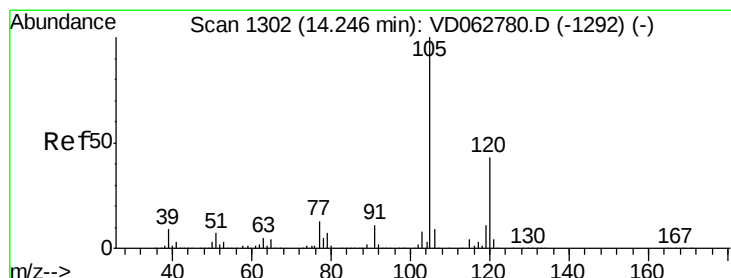
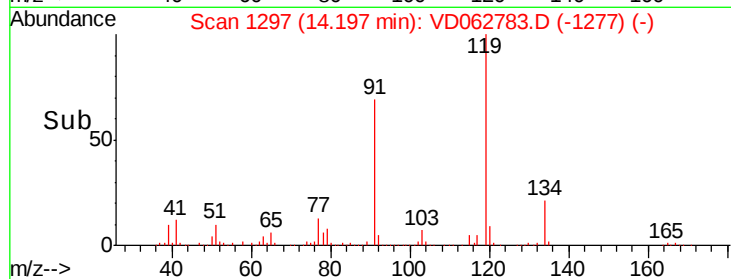
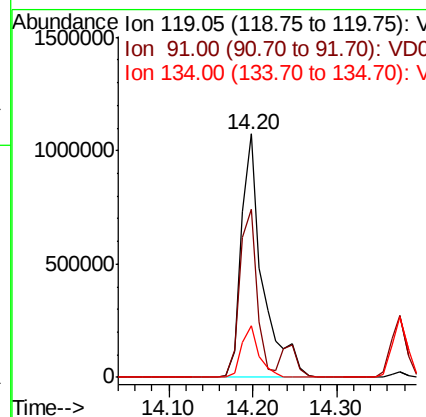
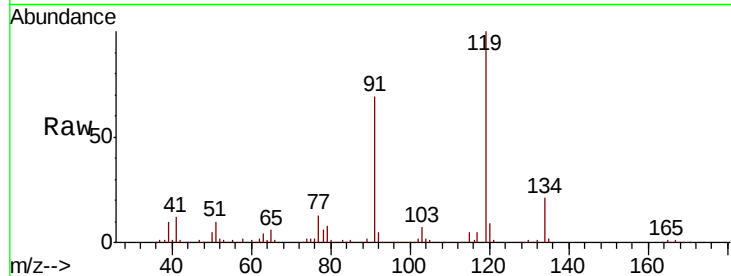




#83
 tert-Butylbenzene
 Concen: 51.157 ug/l
 RT: 14.20 min Scan# 1297
 Delta R.T. 0.00 min
 Lab File: VD062783.D
 Acq: 19 Jun 2019 17:14

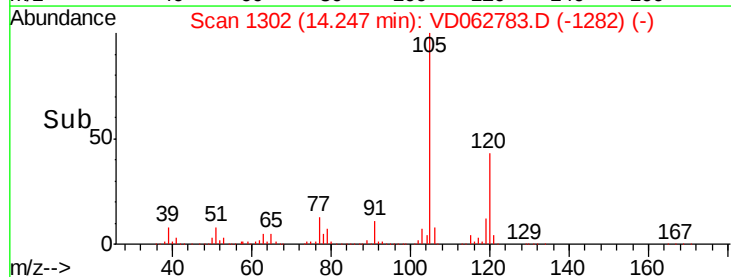
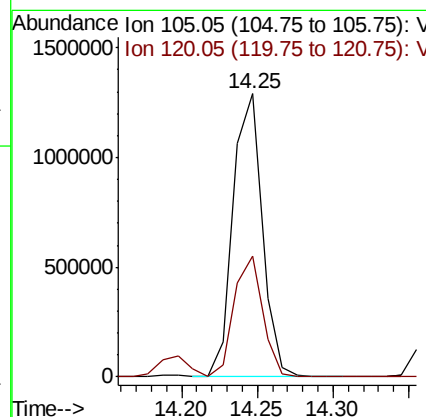
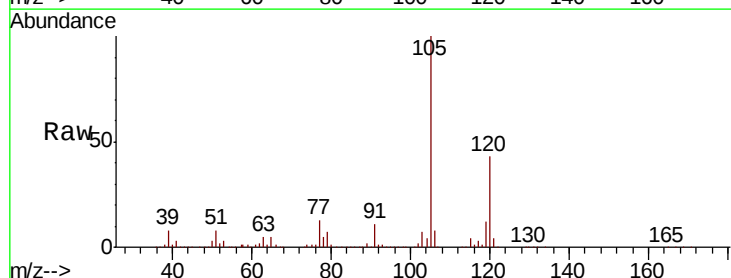
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD061919

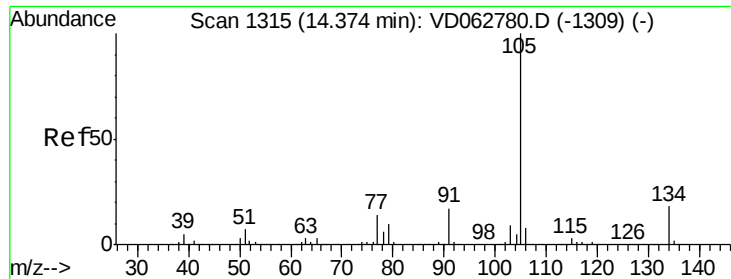
Tot Ion:119 Resp: 1889328
 Ion Ratio Lower Upper
 119 100
 91 69.1 35.5 106.5
 134 21.0 10.2 30.6



#84
 1,2,4-Trimethylbenzene
 Concen: 50.846 ug/l
 RT: 14.25 min Scan# 1302
 Delta R.T. 0.00 min
 Lab File: VD062783.D
 Acq: 19 Jun 2019 17:14

Tgt Ion:105 Resp: 1726714
 Ion Ratio Lower Upper
 105 100
 120 42.9 21.3 63.9





#85

sec-Butylbenzene

Concen: 50.235 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VD062783.D

Acq: 19 Jun 2019 17:14

Instrument :

MSVOA_D

ClientSampleId :

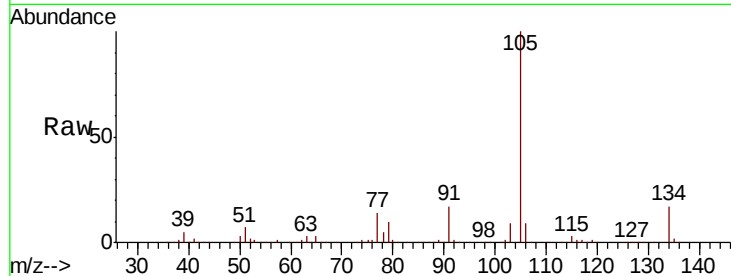
ICVVD061919

Tot Ion:105 Resp: 2016442

Ion Ratio Lower Upper

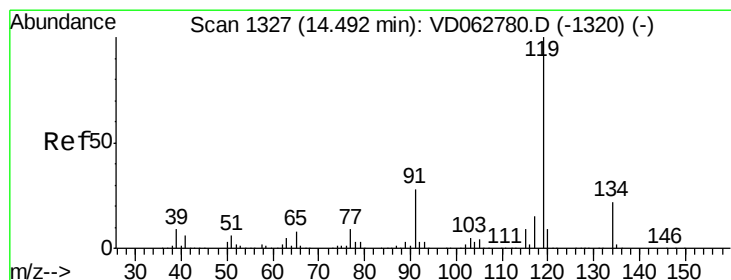
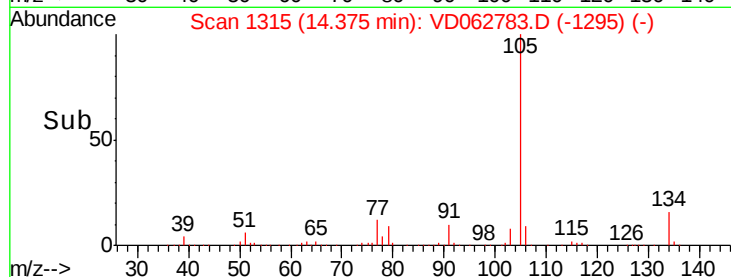
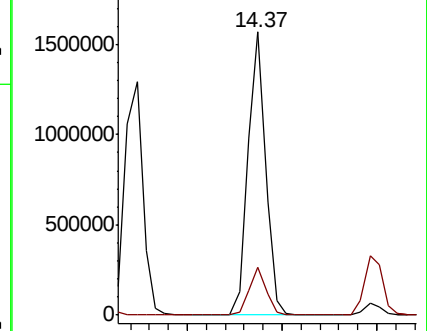
105 100

134 16.9 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: 53.823 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. 0.00 min

Lab File: VD062783.D

Acq: 19 Jun 2019 17:14

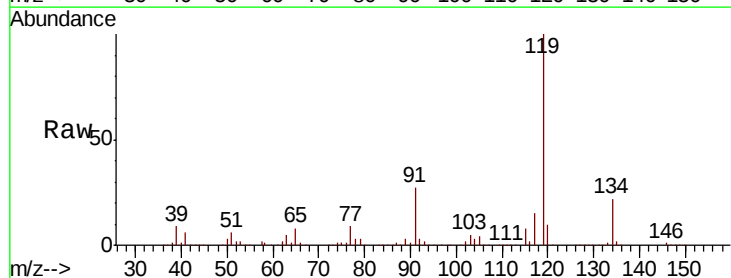
Tgt Ion:119 Resp: 1976467

Ion Ratio Lower Upper

119 100

134 21.8 11.1 33.1

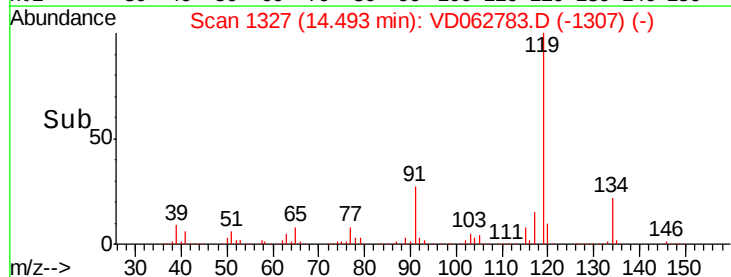
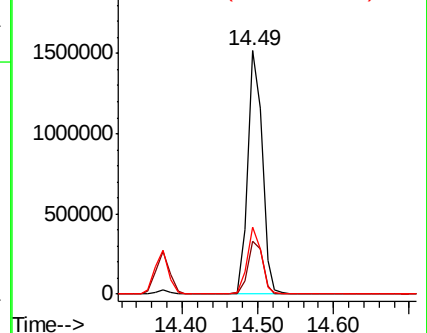
91 27.3 14.0 41.9



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: 49.398 ug/l

RT: 14.46 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VD062783.D

Acq: 19 Jun 2019 17:14

Instrument :

MSVOA_D

ClientSampleId :

ICVVD061919

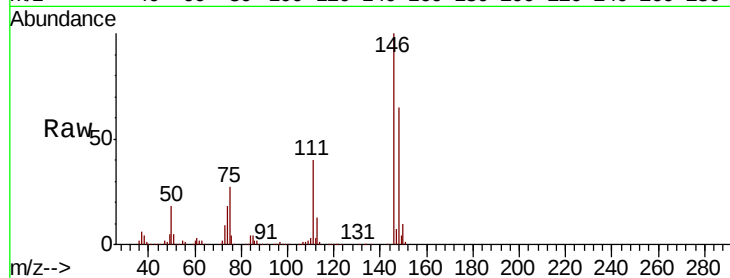
Tot Ion:146 Resp: 939502

Ion Ratio Lower Upper

146 100

111 40.5 19.0 57.0

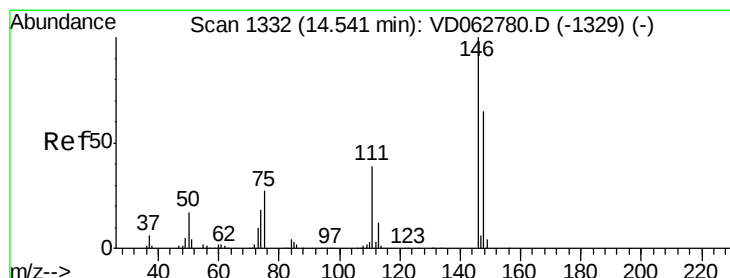
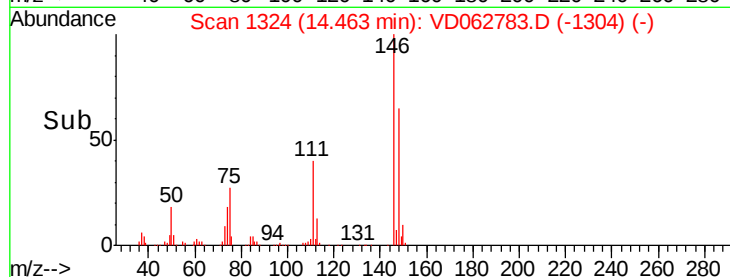
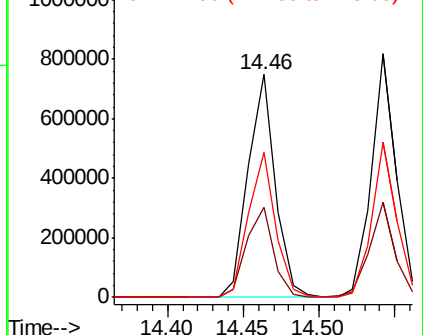
148 65.2 30.8 92.3



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: 49.566 ug/l

RT: 14.54 min Scan# 1332

Delta R.T. 0.00 min

Lab File: VD062783.D

Acq: 19 Jun 2019 17:14

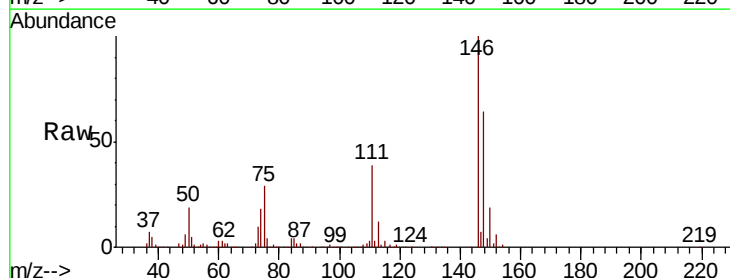
Tgt Ion:146 Resp: 946839

Ion Ratio Lower Upper

146 100

111 39.3 19.7 59.1

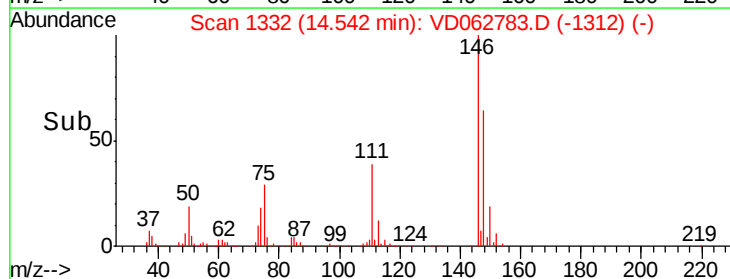
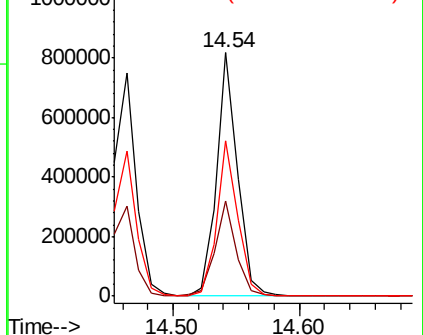
148 63.5 32.8 98.3

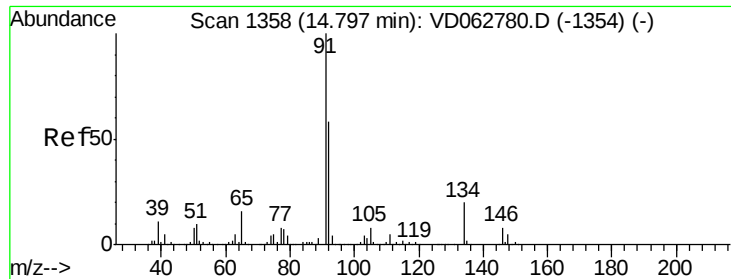


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

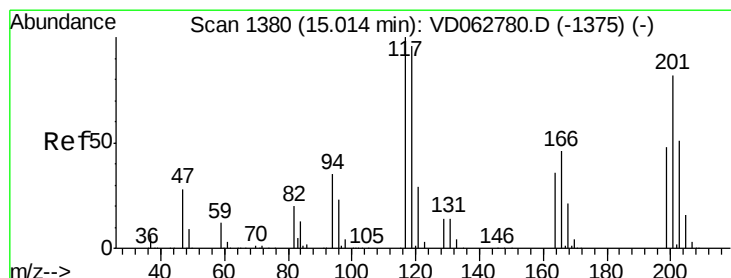
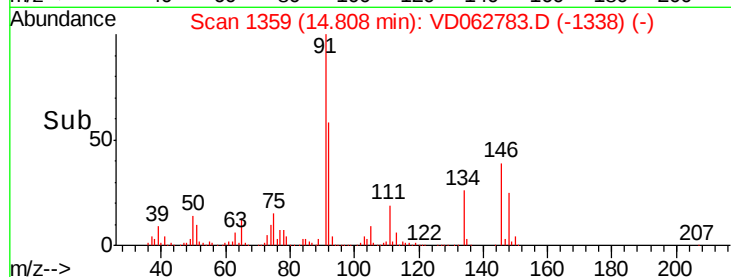
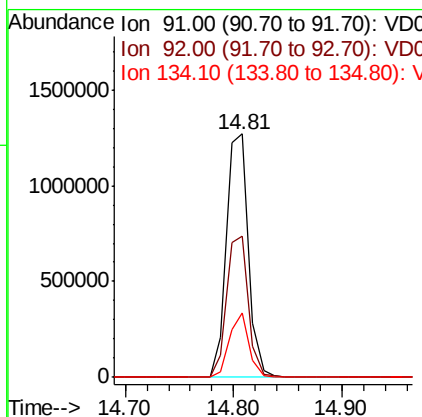
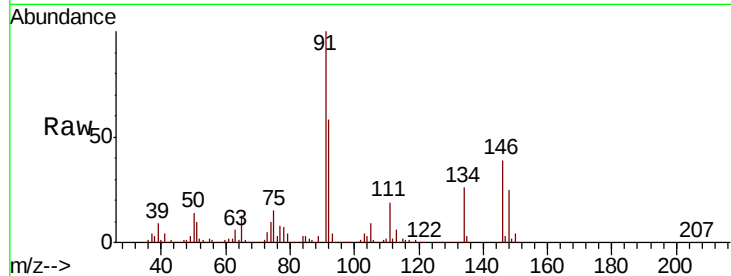




#89
n-Butylbenzene
Concen: 52.484 ug/l
RT: 14.81 min Scan# 1359
Delta R.T. 0.01 min
Lab File: VD062783.D
Acq: 19 Jun 2019 17:14

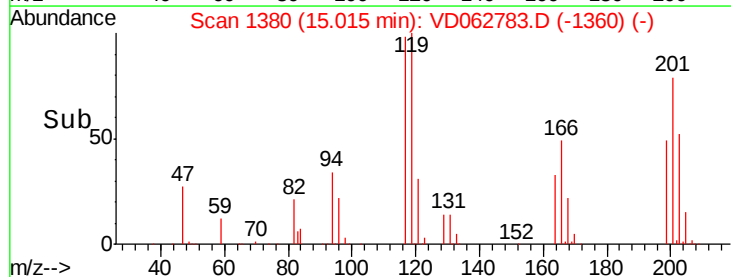
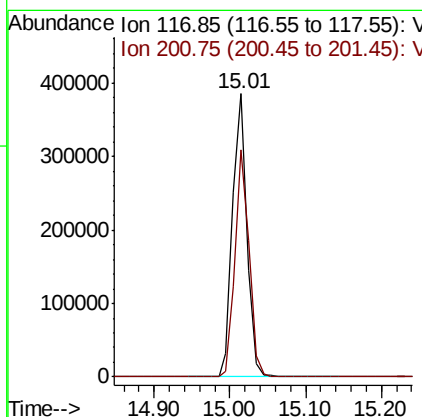
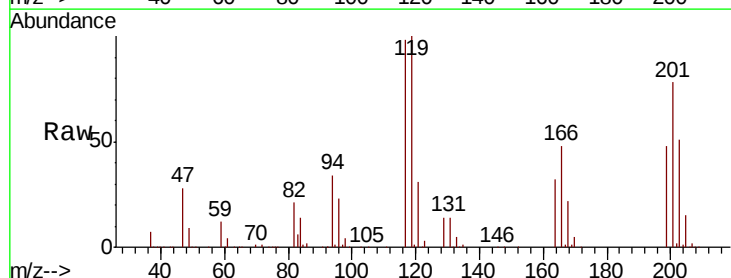
Instrument :
MSVOA_D
ClientSampleId :
ICVVD061919

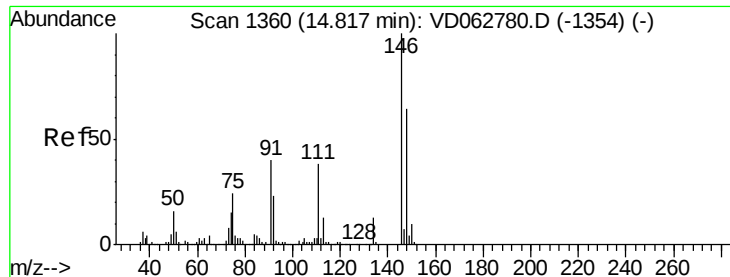
Tot Ion: 91 Resp: 1803869
Ion Ratio Lower Upper
91 100
92 58.0 28.9 86.7
134 26.3 10.1 30.3



#90
Hexachloroethane
Concen: 50.308 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. 0.00 min
Lab File: VD062783.D
Acq: 19 Jun 2019 17:14

Tgt Ion: 117 Resp: 496712
Ion Ratio Lower Upper
117 100
201 80.2 40.8 122.2





#91

1,2-Dichlorobenzene

Concen: 52.246 ug/l

RT: 14.82 min Scan# 1360

Delta R.T. 0.00 min

Lab File: VD062783.D

Acq: 19 Jun 2019 17:14

Instrument :

MSVOA_D

ClientSampleId :

ICVVD061919

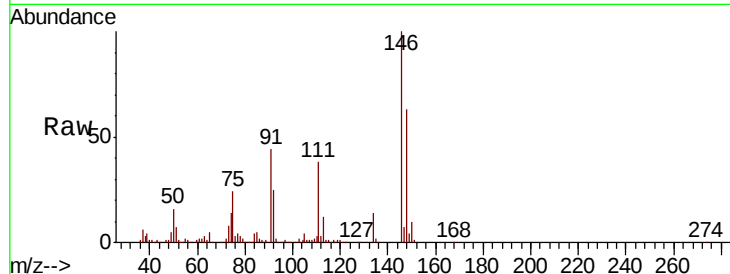
Tot Ion:146 Resp: 850147

Ion Ratio Lower Upper

146 100

111 38.2 19.1 57.1

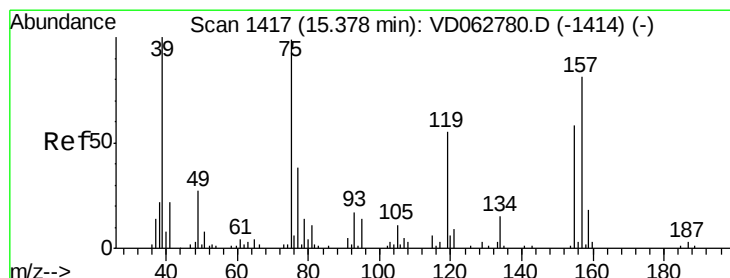
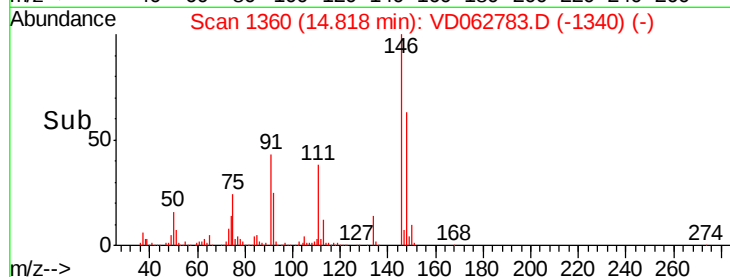
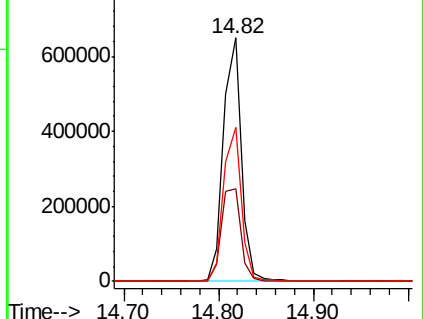
148 63.1 32.3 96.8



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: 54.792 ug/l

RT: 15.39 min Scan# 1418

Delta R.T. 0.01 min

Lab File: VD062783.D

Acq: 19 Jun 2019 17:14

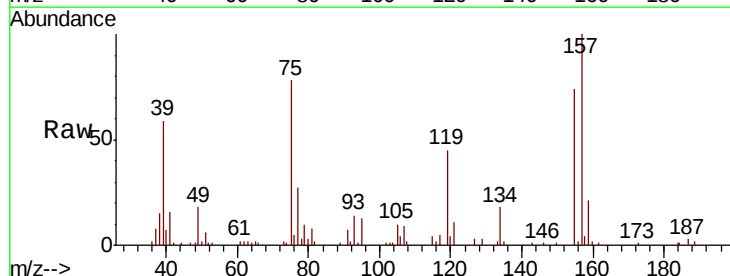
Tgt Ion: 75 Resp: 68733

Ion Ratio Lower Upper

75 100

155 95.4 29.3 87.8#

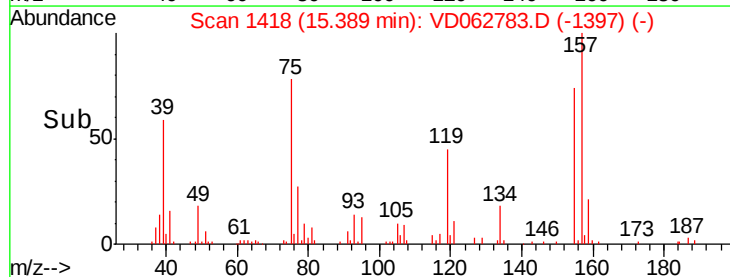
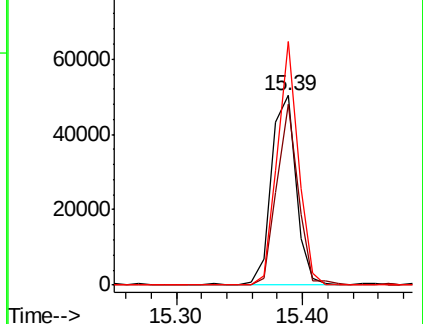
157 128.3 41.3 123.7#

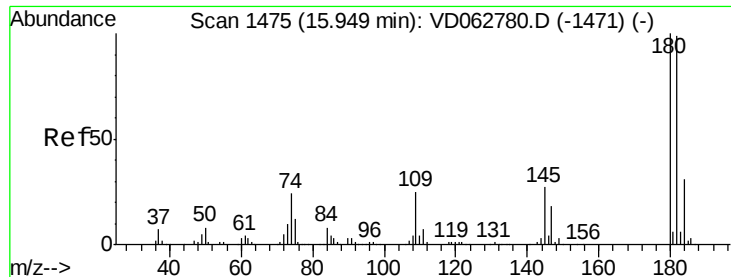


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

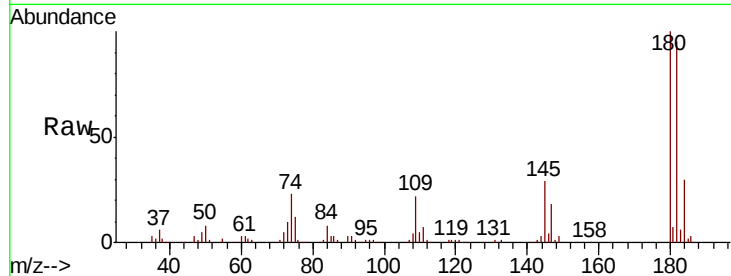




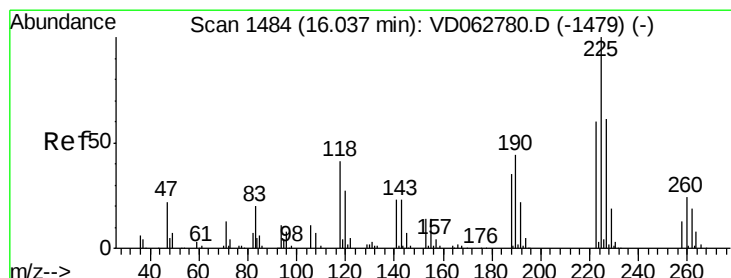
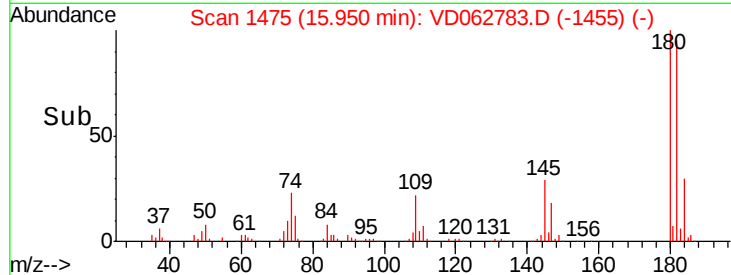
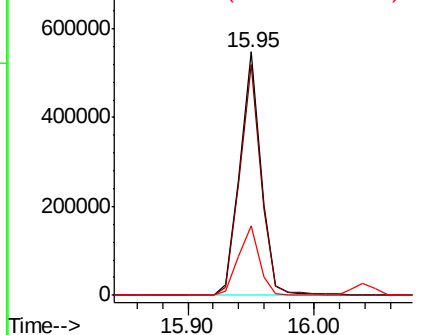
#93
 1,2,4-Trichlorobenzene
 Concen: 49.775 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD062783.D
 Acq: 19 Jun 2019 17:14

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD061919

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.6	49.5	148.5
145	28.7	13.7	41.0

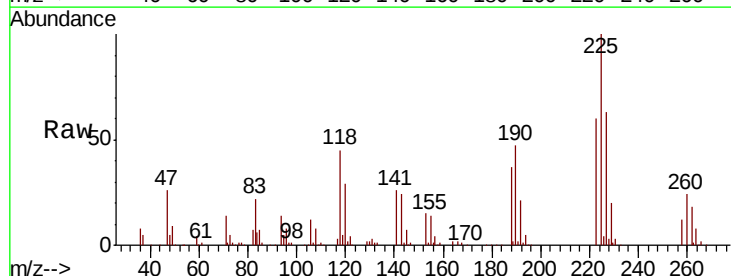


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

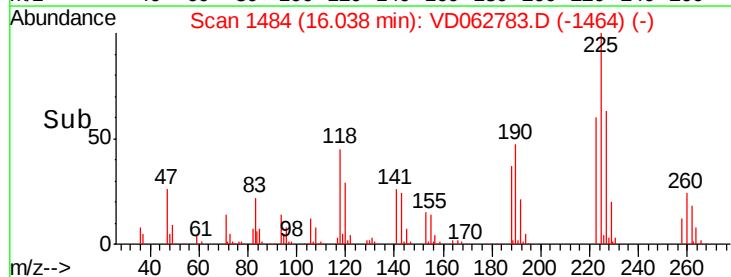
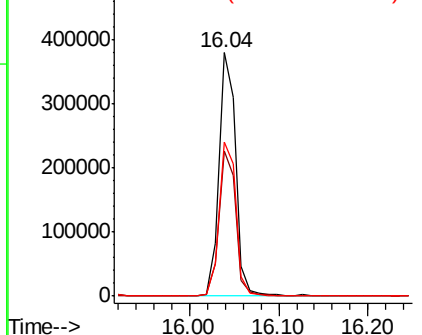


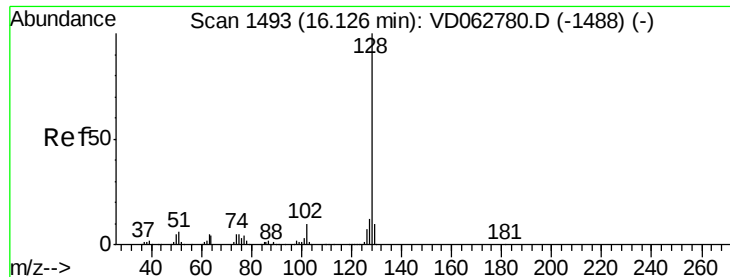
#94
 Hexachlorobutadiene
 Concen: 51.545 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD062783.D
 Acq: 19 Jun 2019 17:14

Tgt Ion	Ratio	Lower	Upper
225	100		
223	59.5	29.8	89.5
227	63.3	30.6	91.6



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

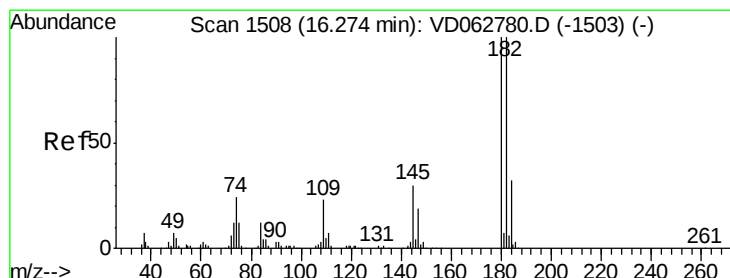
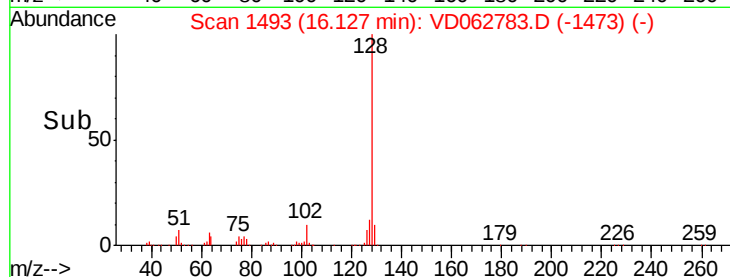
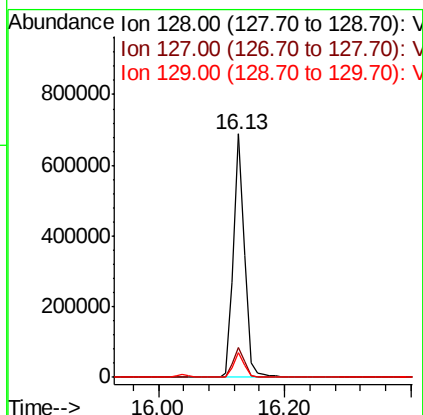
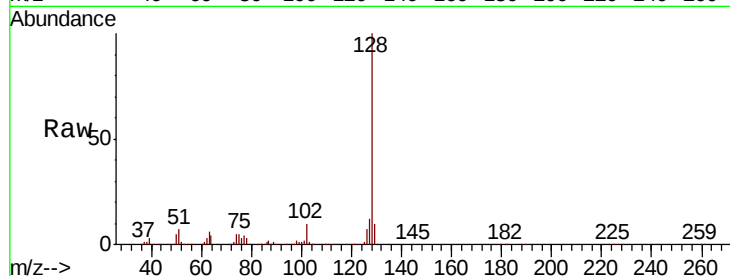




#95
Naphthalene
Concen: 46.527 ug/l
RT: 16.13 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD062783.D
Acq: 19 Jun 2019 17:14

Instrument :
MSVOA_D
ClientSampleId :
ICVVD061919

Tot Ion:128 Resp: 828927
Ion Ratio Lower Upper
128 100
127 12.2 9.7 14.5
129 10.2 8.3 12.5



#96
1,2,3-Trichlorobenzene
Concen: 53.497 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VD062783.D
Acq: 19 Jun 2019 17:14

Tgt Ion:180 Resp: 522474
Ion Ratio Lower Upper
180 100
182 96.1 49.9 149.6
145 27.9 15.2 45.5

