

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062519\
 Data File : VD062890.D
 Acq On : 25 Jun 2019 20:14
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jun 26 05:36:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	827865	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	1112852	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	959111	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	517258	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	440428	48.94	ug/l	0.00
Spiked Amount			Recovery	=	97.88%	
35) Dibromofluoromethane	6.93	113	435158	46.37	ug/l	0.00
Spiked Amount			Recovery	=	92.74%	
50) Toluene-d8	10.42	98	943785	46.21	ug/l	0.00
Spiked Amount			Recovery	=	92.42%	
62) 4-Bromofluorobenzene	13.55	95	452186	48.69	ug/l	0.00
Spiked Amount			Recovery	=	97.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	510813	47.682	ug/l	97
3) Chloromethane	1.75	50	384270	47.695	ug/l	97
4) Vinyl Chloride	1.85	62	375804	47.045	ug/l	99
5) Bromomethane	2.15	94	172341	46.068	ug/l	98
6) Chloroethane	2.27	64	181191	50.100	ug/l	94
7) Trichlorofluoromethane	2.54	101	878008	54.310	ug/l	99
8) Diethyl Ether	2.87	74	121876	59.333	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.15	101	465768	53.180	ug/l	88
10) Methyl Iodide	3.31	142	583989	50.541	ug/l	99
11) Tert butyl alcohol	4.10	59	96921	236.482	ug/l #	91
12) 1,1-Dichloroethene	3.13	96	346636	52.759	ug/l	93
13) Acrolein	3.04	56	81945	195.851	ug/l	96
14) Allyl chloride	3.62	41	515072	53.056	ug/l	92
15) Acrylonitrile	4.20	53	270184	280.557	ug/l	90
16) Acetone	3.23	43	496285	272.588	ug/l	98
17) Carbon Disulfide	3.37	76	996819	47.472	ug/l #	95
18) Methyl Acetate	3.65	43	159366	58.666	ug/l	98
19) Methyl tert-butyl Ether	4.25	73	818008	57.512	ug/l	98
20) Methylene Chloride	3.83	84	342264	49.872	ug/l	94
21) trans-1,2-Dichloroethene	4.22	96	367758	52.568	ug/l	99
22) Diisopropyl ether	5.14	45	1063368	53.860	ug/l	99
23) Vinyl Acetate	5.07	43	3451798	279.405	ug/l	99
24) 1,1-Dichloroethane	4.99	63	662520	51.541	ug/l	98
25) 2-Butanone	6.08	43	494479	293.800	ug/l	97
26) 2,2-Dichloropropane	6.03	77	688863	50.559	ug/l	96
27) cis-1,2-Dichloroethene	6.04	96	406630	54.965	ug/l	96
28) Bromochloromethane	6.45	49	226316	49.989	ug/l	85
29) Tetrahydrofuran	6.47	42	216840	272.305	ug/l	96
30) Chloroform	6.67	83	858474	54.915	ug/l	93
31) Cyclohexane	6.96	56	431886	51.108	ug/l	90
32) 1,1,1-Trichloroethane	6.88	97	848222	52.094	ug/l	92
36) 1,1-Dichloropropene	7.15	75	543725	51.613	ug/l	98
37) Ethyl Acetate	6.19	43	250404	56.732	ug/l	97
38) Carbon Tetrachloride	7.11	117	922114	58.200	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062519\
 Data File : VD062890.D
 Acq On : 25 Jun 2019 20:14
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050EC

Quant Time: Jun 26 05:36:52 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)
39) Methylcyclohexane	8.88	83	487052	52.523	ug/l	95
40) Benzene	7.46	78	1182882	55.938	ug/l	98
41) Methacrylonitrile	6.47	41	292905	52.722	ug/l #	85
42) 1,2-Dichloroethane	7.59	62	665788	57.715	ug/l	100
43) Isopropyl Acetate	9.25	43	322247	58.347	ug/l #	96
44) Trichloroethene	8.55	130	469983	56.691	ug/l	91
45) 1,2-Dichloropropane	8.95	63	278695	53.002	ug/l	98
46) Dibromomethane	9.07	93	256972	56.892	ug/l	90
47) Bromodichloromethane	9.38	83	663078	56.525	ug/l	99
48) Methyl methacrylate	9.13	41	215034	54.788	ug/l	90
49) 1,4-Dioxane	9.09	88	39133	1198.448	ug/l	95
51) 4-Methyl-2-Pentanone	10.31	43	1181298	301.677	ug/l	100
52) Toluene	10.52	92	757189	53.268	ug/l	100
53) t-1,3-Dichloropropene	10.92	75	548701	57.148	ug/l	97
54) cis-1,3-Dichloropropene	10.05	75	569303	54.552	ug/l	95
55) 1,1,2-Trichloroethane	11.20	97	279033	57.136	ug/l	92
56) Ethyl methacrylate	11.05	69	314658	60.290	ug/l	97
57) 1,3-Dichloropropane	11.42	76	417109	55.781	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.86	63	798693	298.088	ug/l	100
59) 2-Hexanone	11.54	43	866483	310.704	ug/l	99
60) Dibromochloromethane	11.69	129	524511	57.661	ug/l	98
61) 1,2-Dibromoethane	11.81	107	333103	57.752	ug/l	98
64) Tetrachloroethene	11.26	164	450769	57.105	ug/l	96
65) Chlorobenzene	12.40	112	984010	55.281	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.52	131	463553	55.687	ug/l	92
67) Ethyl Benzene	12.53	91	1768876	55.350	ug/l	98
68) m/p-Xylenes	12.67	106	1243460	111.715	ug/l	99
69) o-Xylene	13.05	106	590296	58.014	ug/l	94
70) Styrene	13.07	104	985967	55.168	ug/l	98
71) Bromoform	13.24	173	337773	59.224	ug/l	95
73) Isopropylbenzene	13.41	105	1777917	53.607	ug/l	99
74) N-amyl acetate	13.27	43	476261	59.132	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	305977	56.623	ug/l	99
76) 1,2,3-Trichloropropane	13.74	75	348093	58.294	ug/l	98
77) Bromobenzene	13.67	156	489233	54.843	ug/l	89
78) n-propylbenzene	13.78	91	2186210	56.635	ug/l	98
79) 2-Chlorotoluene	13.85	91	1273768	57.741	ug/l	94
80) 1,3,5-Trimethylbenzene	13.94	105	1604197	57.585	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.47	75	89798	57.379	ug/l	97
82) 4-Chlorotoluene	13.95	91	1486171	55.959	ug/l	94
83) tert-Butylbenzene	14.19	119	1720893	55.420	ug/l	94
84) 1,2,4-Trimethylbenzene	14.24	105	1552154	54.360	ug/l	99
85) sec-Butylbenzene	14.37	105	1792219	53.104	ug/l	95
86) p-Isopropyltoluene	14.50	119	1634444	52.937	ug/l	96
87) 1,3-Dichlorobenzene	14.46	146	872727	54.577	ug/l	95
88) 1,4-Dichlorobenzene	14.54	146	884201	55.052	ug/l	97
89) n-Butylbenzene	14.80	91	1663171	57.553	ug/l	96
90) Hexachloroethane	15.01	117	467570	56.324	ug/l	95
91) 1,2-Dichlorobenzene	14.81	146	813967	59.494	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.38	75	66657	63.199	ug/l #	51

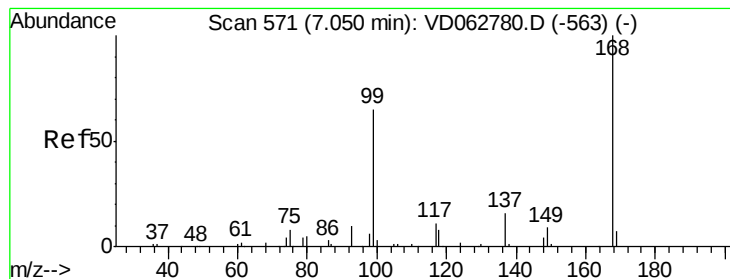
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062519\
Data File : VD062890.D
Acq On : 25 Jun 2019 20:14
Operator : VA/AP
Sample : VSTDCCC050
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Quant Time: Jun 26 05:36:52 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)
93) 1,2,4-Trichlorobenzene	15.95	180	631273	59.067	ug/l	97
94) Hexachlorobutadiene	16.04	225	477267	58.455	ug/l	97
95) Naphthalene	16.12	128	941580	62.858	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	505917	61.611	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.01 min

Lab File: VD062890.D

Acq: 25 Jun 2019 20:14

Instrument :

MSVOA_D

ClientSampleId :

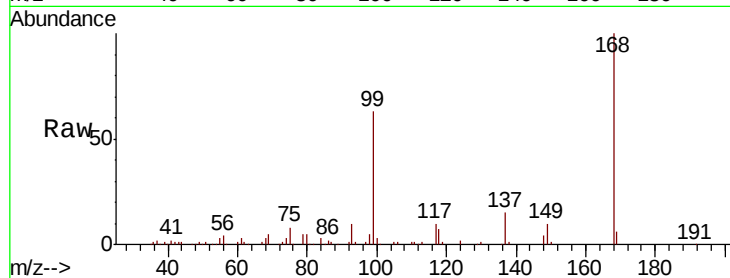
VSTDCCC050EC

Tot Ion:168 Resp: 827865

Ion Ratio Lower Upper

168 100

99 63.4 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

300000

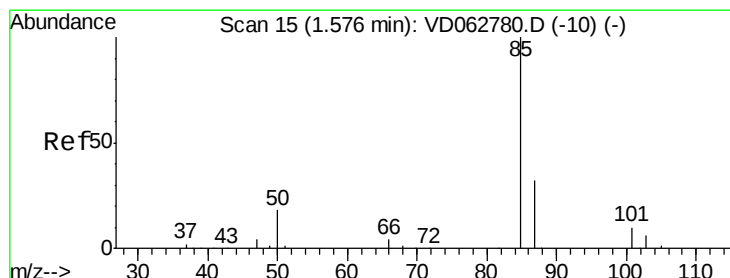
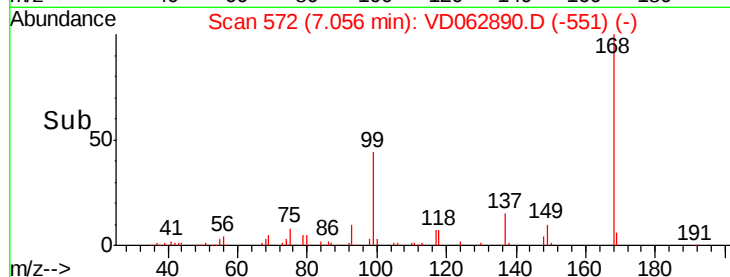
200000

100000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 47.682 ug/l

RT: 1.57 min Scan# 15

Delta R.T. -0.00 min

Lab File: VD062890.D

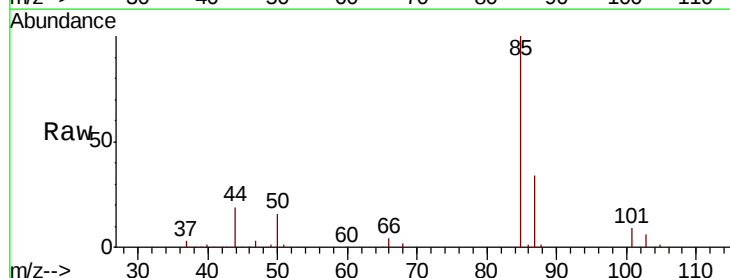
Acq: 25 Jun 2019 20:14

Tgt Ion: 85 Resp: 510813

Ion Ratio Lower Upper

85 100

87 33.5 15.9 47.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.57

200000

150000

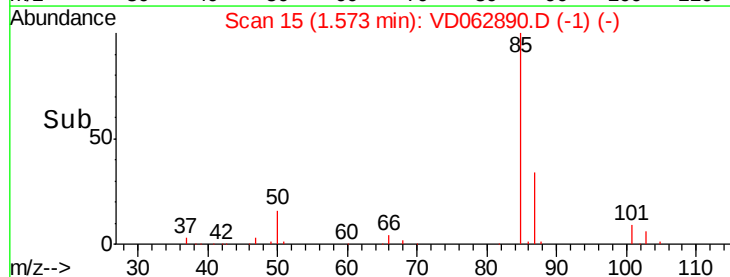
100000

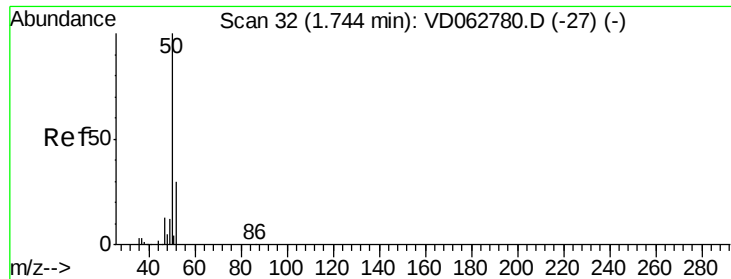
50000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 47.695 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.01 min

Lab File: VD062890.D

Acq: 25 Jun 2019 20:14

Instrument :

MSVOA_D

ClientSampleId :

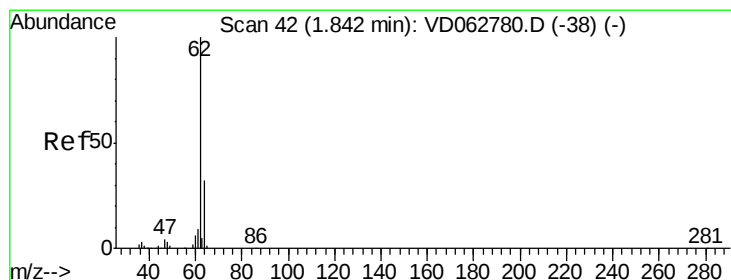
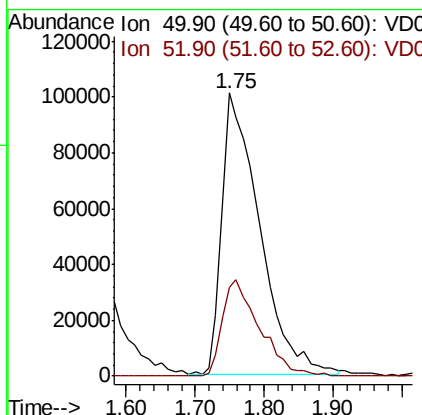
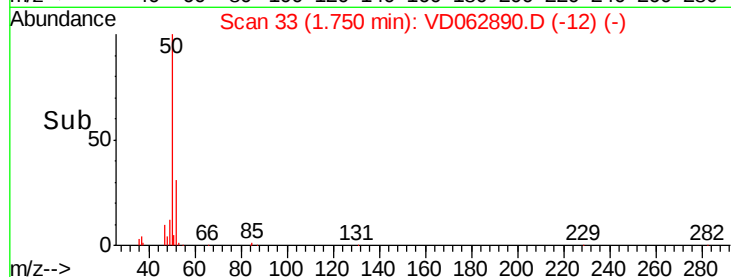
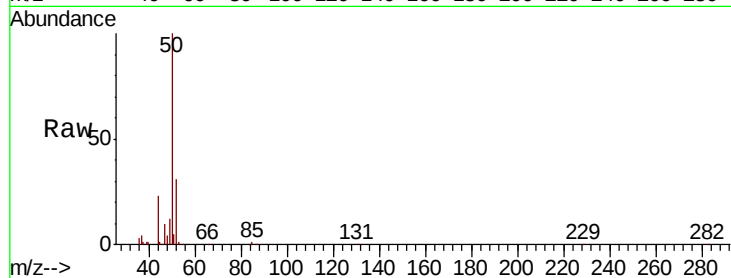
VSTDCCC050EC

Tot Ion: 50 Resp: 384270

Ion Ratio Lower Upper

50 100

52 31.4 23.6 35.4



#4

Vinyl Chloride

Concen: 47.045 ug/l

RT: 1.85 min Scan# 43

Delta R.T. 0.01 min

Lab File: VD062890.D

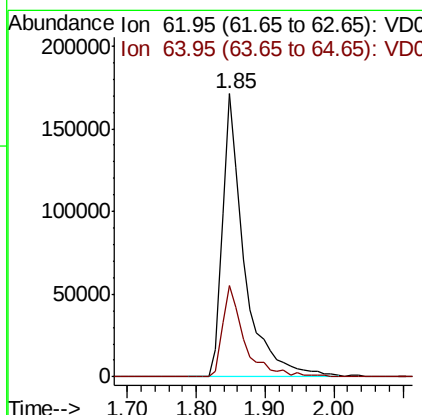
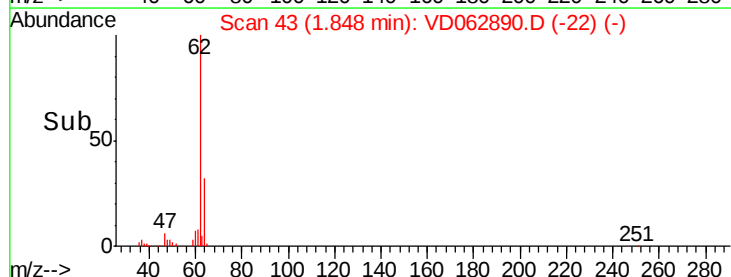
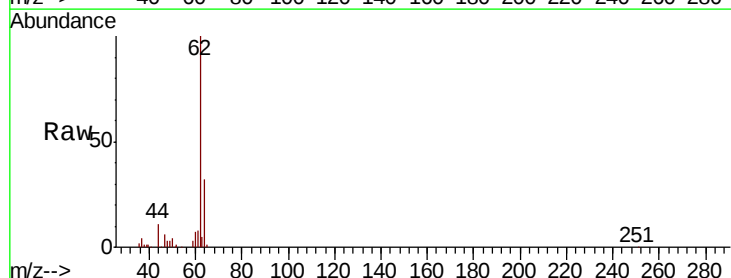
Acq: 25 Jun 2019 20:14

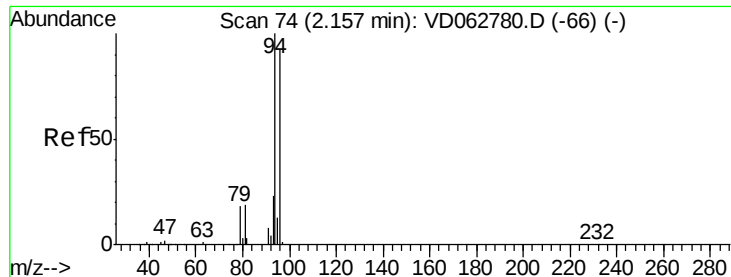
Tgt Ion: 62 Resp: 375804

Ion Ratio Lower Upper

62 100

64 32.4 25.6 38.4





#5

Bromomethane

Concen: 46.068 ug/l

RT: 2.15 min Scan# 74

Delta R.T. -0.00 min

Lab File: VD062890.D

Acq: 25 Jun 2019 20:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

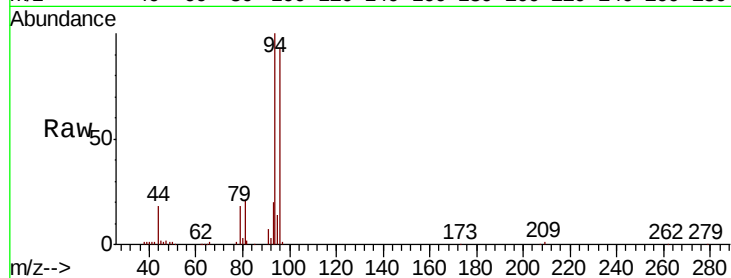
Tot Ion: 94 Resp: 172341

Ion Ratio Lower Upper

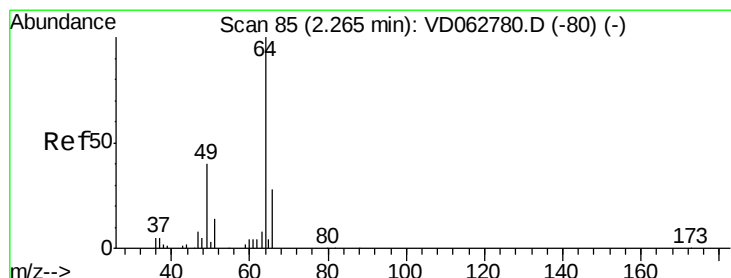
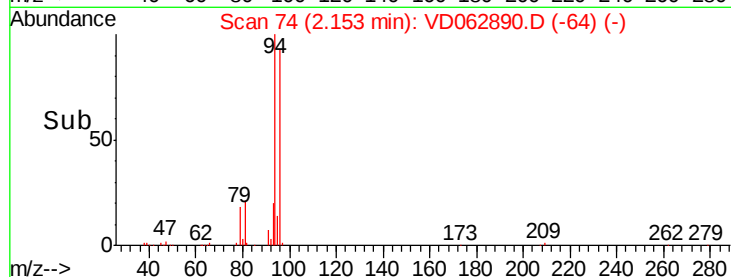
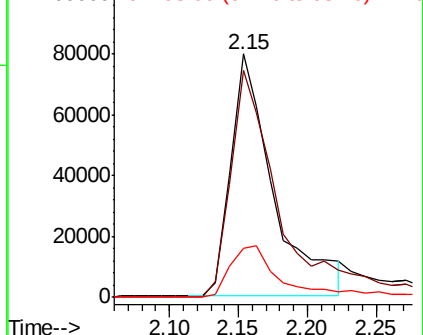
94 100

96 93.4 73.4 110.2

93 20.1 18.2 27.4



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



#6

Chloroethane

Concen: 50.100 ug/l

RT: 2.27 min Scan# 86

Delta R.T. 0.01 min

Lab File: VD062890.D

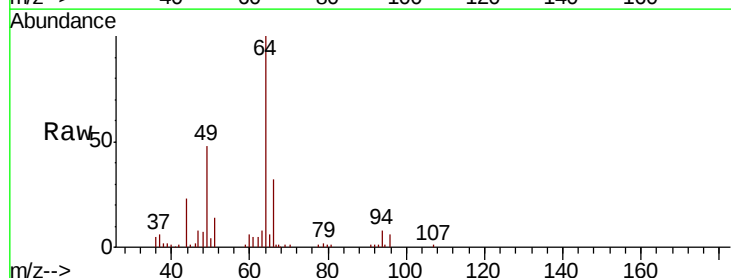
Acq: 25 Jun 2019 20:14

Tgt Ion: 64 Resp: 181191

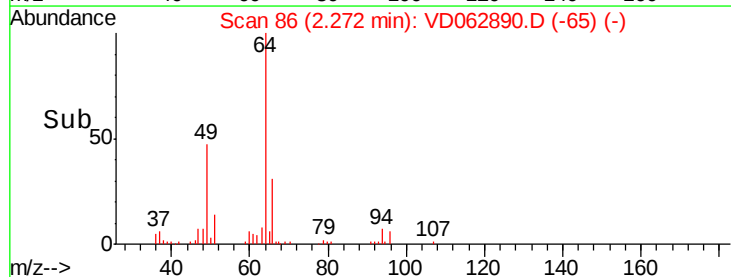
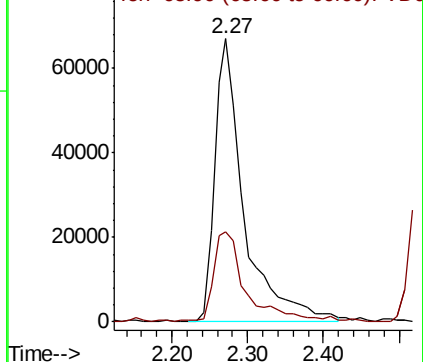
Ion Ratio Lower Upper

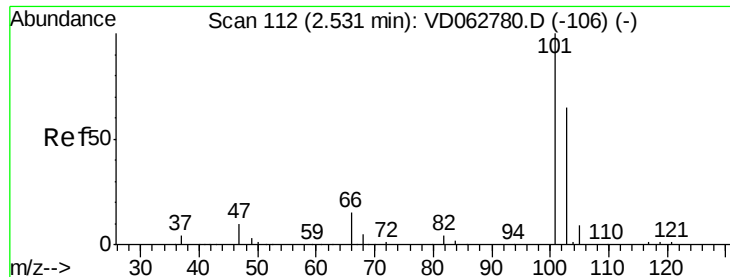
64 100

66 31.6 23.0 34.4



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



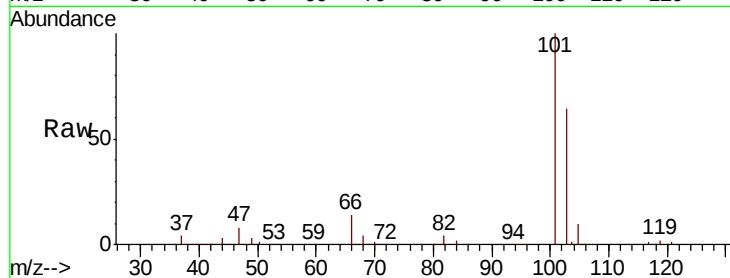


#7

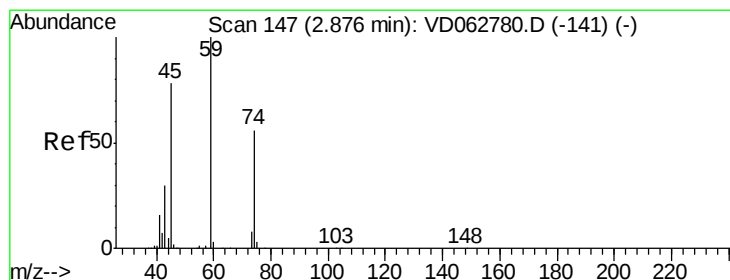
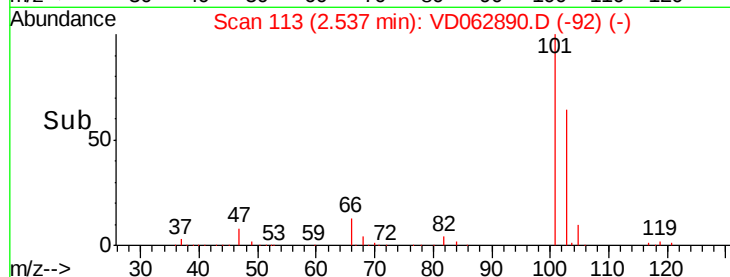
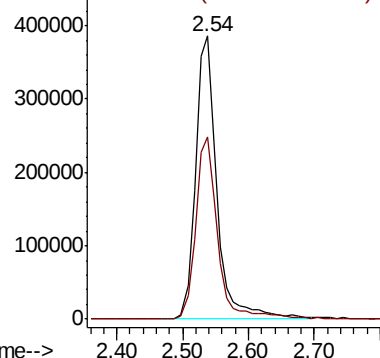
Trichlorofluoromethane
Concen: 54.310 ug/l
RT: 2.54 min Scan# 113
Delta R.T. 0.01 min
Lab File: VD062890.D
Acq: 25 Jun 2019 20:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:101 Resp: 878008
Ion Ratio Lower Upper
101 100
103 64.2 51.8 77.8



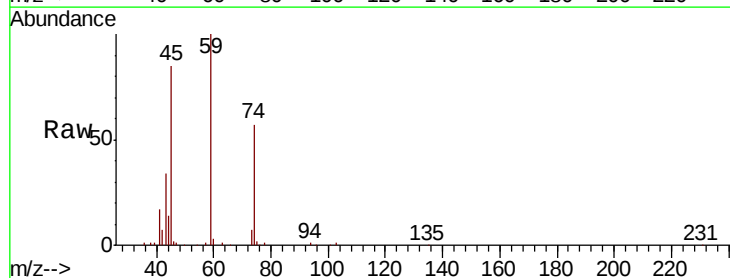
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



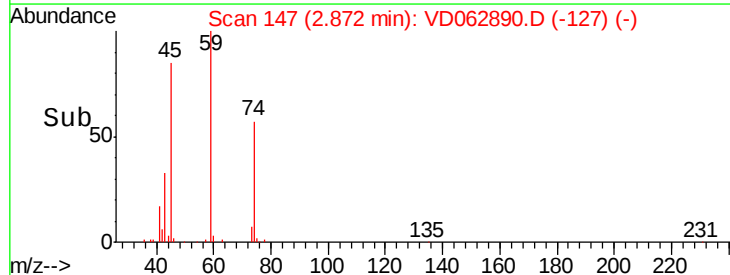
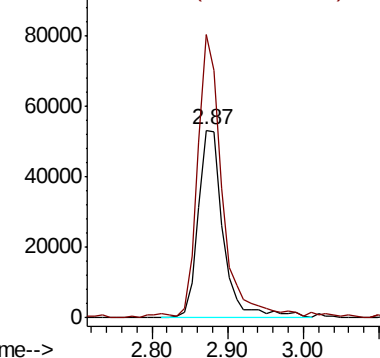
#8

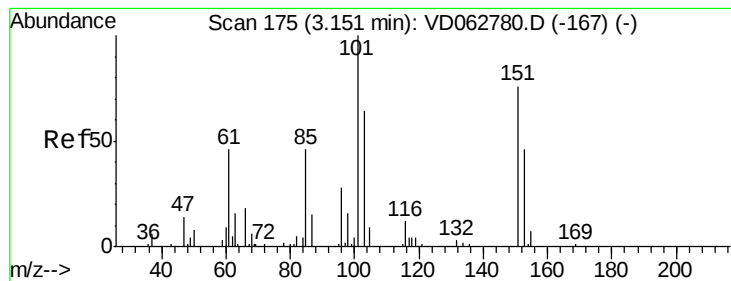
Diethyl Ether
Concen: 59.333 ug/l
RT: 2.87 min Scan# 147
Delta R.T. -0.00 min
Lab File: VD062890.D
Acq: 25 Jun 2019 20:14

Tgt Ion: 74 Resp: 121876
Ion Ratio Lower Upper
74 100
45 150.7 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: 53.180 ug/l

RT: 3.15 min Scan# 175

Delta R.T. -0.00 min

Lab File: VD062890.D

Acq: 25 Jun 2019 20:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

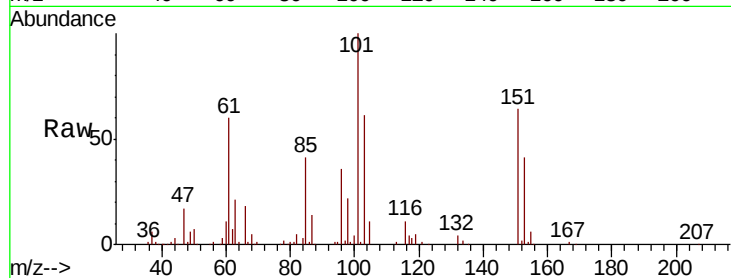
Tot Ion:101 Resp: 465768

Ion Ratio Lower Upper

101 100

85 40.8 37.0 55.4

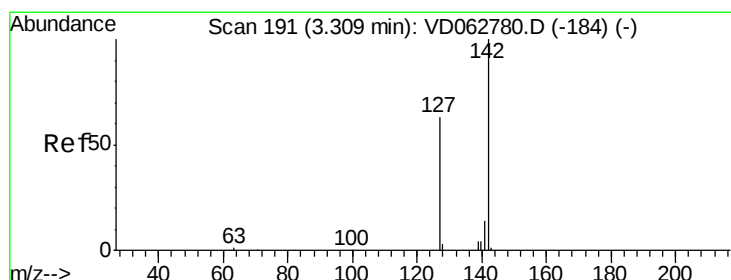
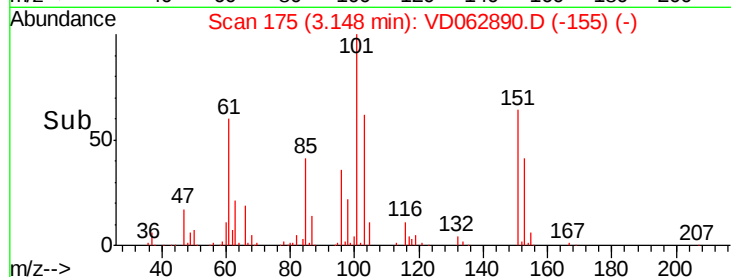
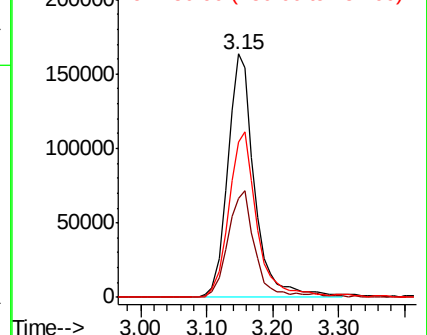
151 63.8 60.5 90.7



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 50.541 ug/l

RT: 3.31 min Scan# 191

Delta R.T. -0.00 min

Lab File: VD062890.D

Acq: 25 Jun 2019 20:14

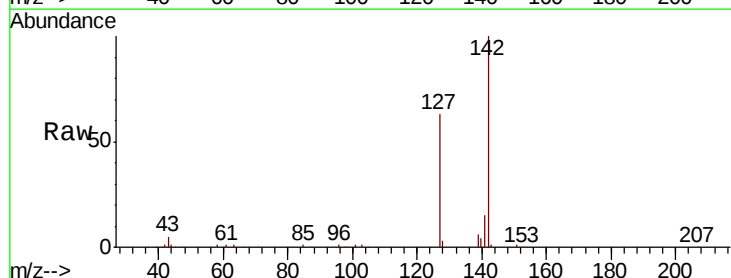
Tgt Ion:142 Resp: 583989

Ion Ratio Lower Upper

142 100

127 62.6 50.1 75.1

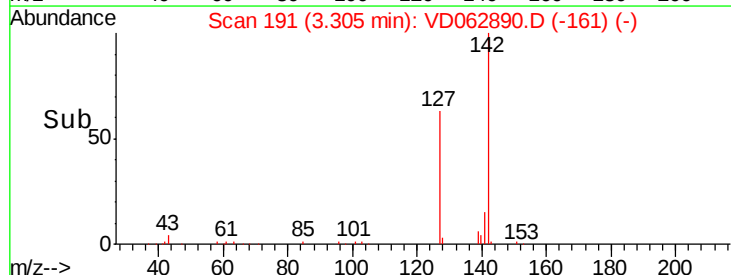
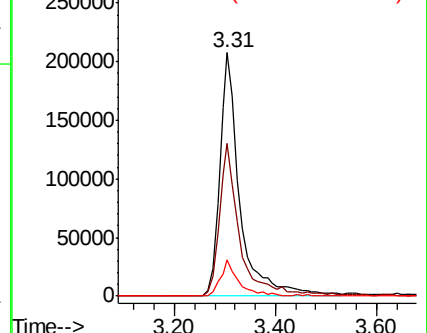
141 15.1 11.0 16.4

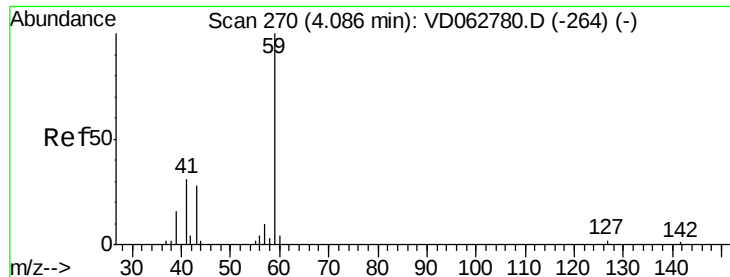


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



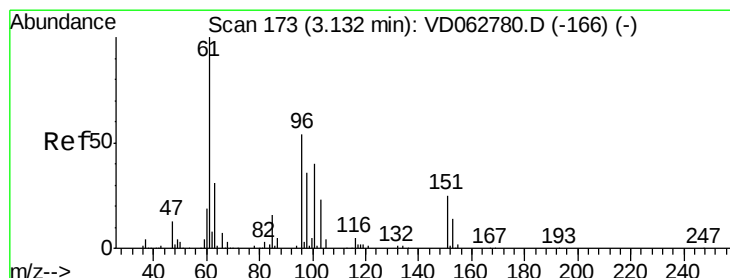
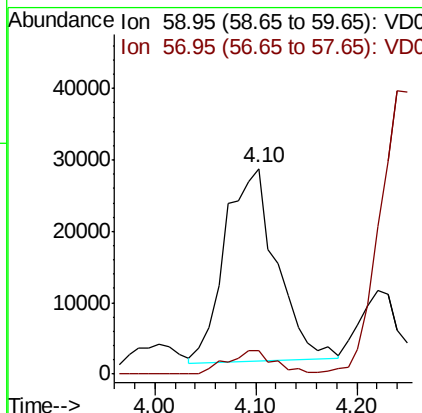
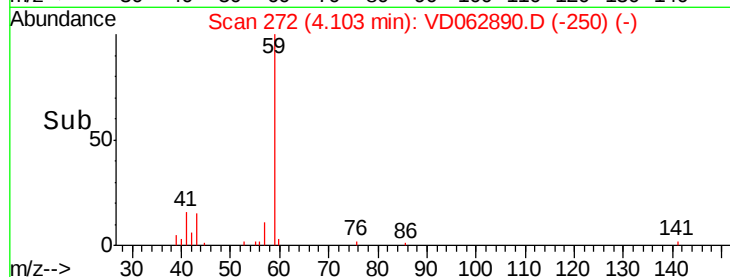
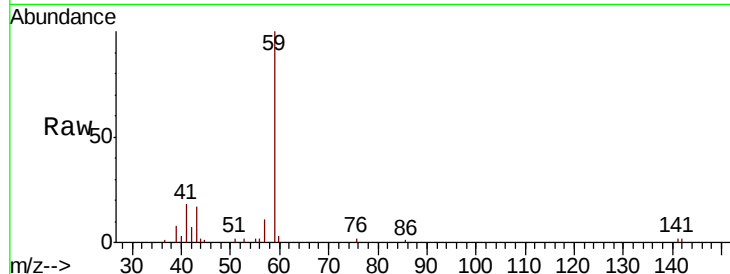


#11

Tert butyl alcohol
Concen: 236.482 ug/l
RT: 4.10 min Scan# 272
Delta R.T. 0.02 min
Lab File: VD062890.D
Acq: 25 Jun 2019 20:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

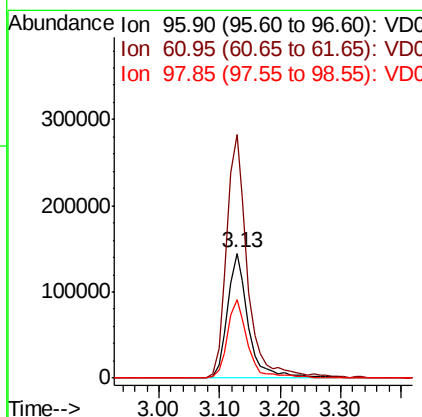
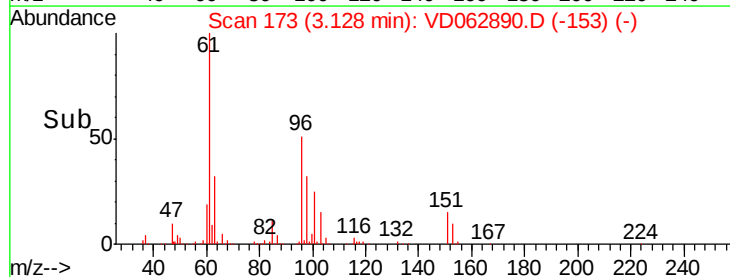
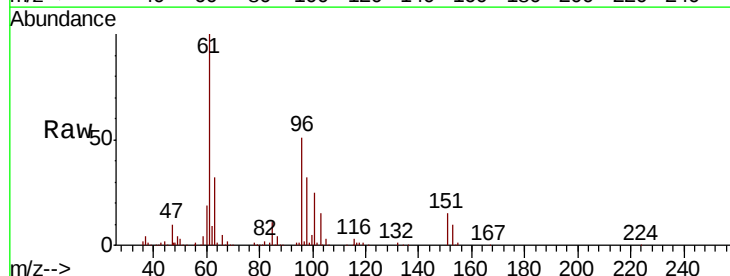
Tot Ion: 59 Resp: 96921
Ion Ratio Lower Upper
59 100
57 11.5 6.6 10.0#



#12

1,1-Dichloroethene
Concen: 52.759 ug/l
RT: 3.13 min Scan# 173
Delta R.T. -0.00 min
Lab File: VD062890.D
Acq: 25 Jun 2019 20:14

Tgt Ion: 96 Resp: 346636
Ion Ratio Lower Upper
96 100
61 195.4 147.1 220.7
98 62.7 52.6 79.0





#13

Acrolein

Concen: 195.851 ug/l

RT: 3.04 min Scan# 164

Delta R.T. 0.01 min

Lab File: VD062890.D

Acq: 25 Jun 2019 20:14

Instrument :

MSVOA_D

ClientSampleId :

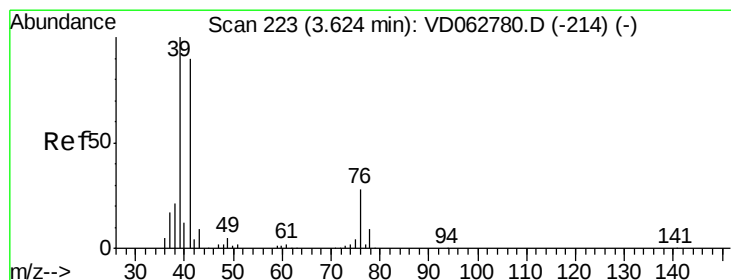
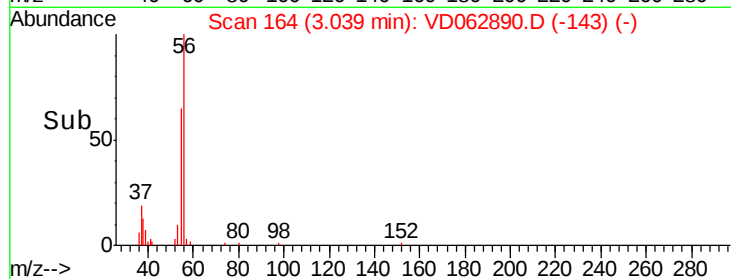
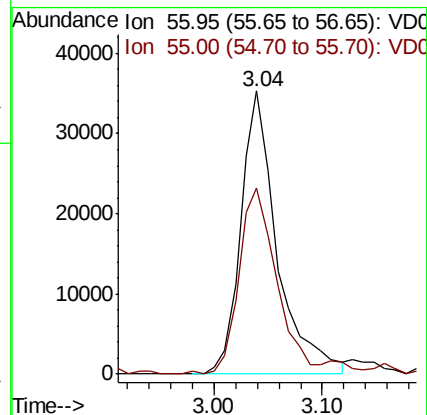
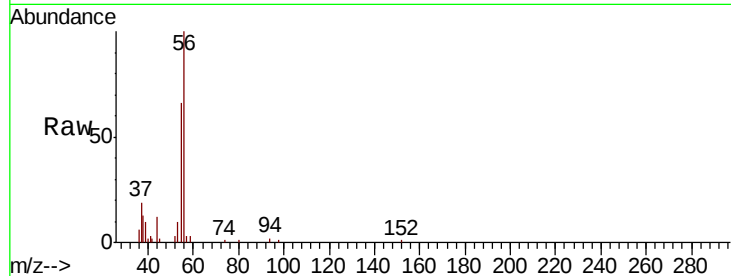
VSTDCCC050EC

Tot Ion: 56 Resp: 81945

Ion Ratio Lower Upper

56 100

55 65.8 55.4 83.0



#14

Allyl chloride

Concen: 53.056 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.00 min

Lab File: VD062890.D

Acq: 25 Jun 2019 20:14

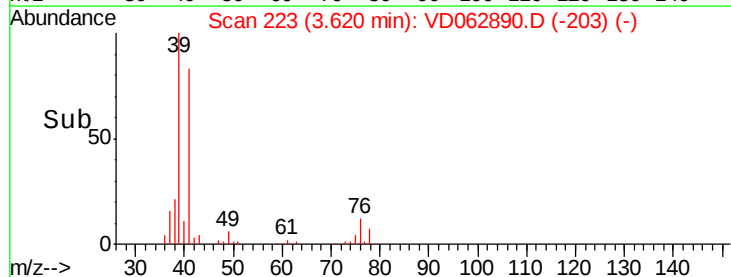
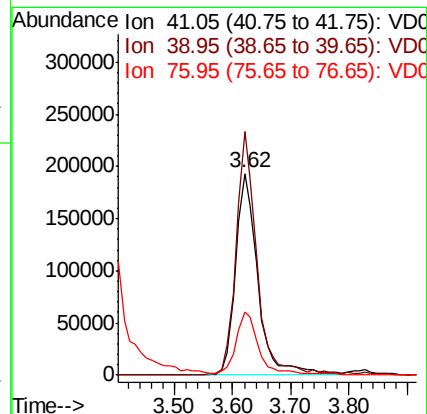
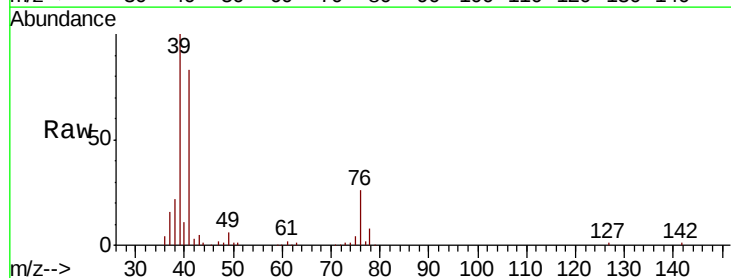
Tgt Ion: 41 Resp: 515072

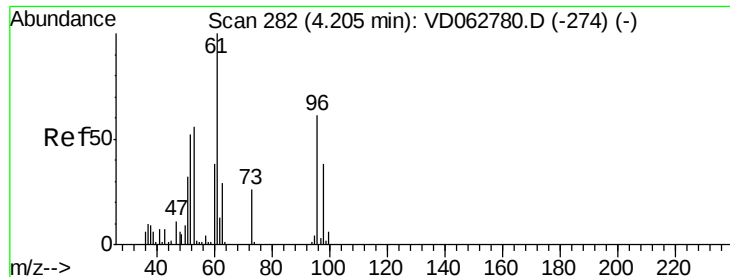
Ion Ratio Lower Upper

41 100

39 120.8 88.8 133.2

76 31.2 26.7 40.1





#15

Acrylonitrile

Concen: 280.557 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.00 min

Lab File: VD062890.D

Acq: 25 Jun 2019 20:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

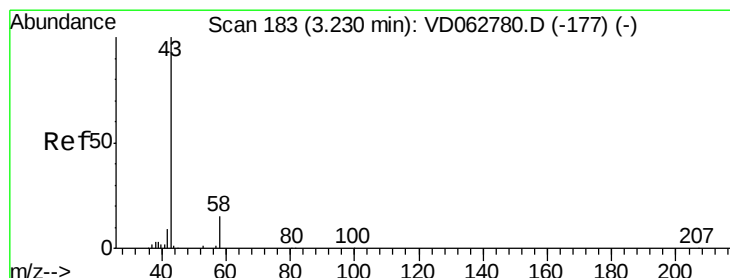
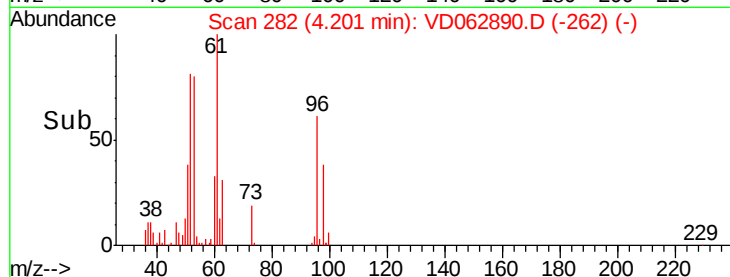
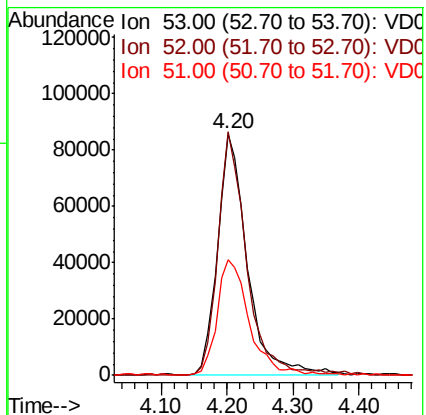
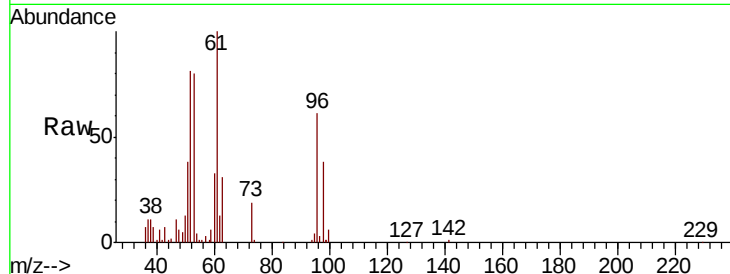
Tot Ion: 53 Resp: 270184

Ion Ratio Lower Upper

53 100

52 100.8 73.3 109.9

51 47.9 44.8 67.2



#16

Acetone

Concen: 272.588 ug/l

RT: 3.23 min Scan# 183

Delta R.T. -0.00 min

Lab File: VD062890.D

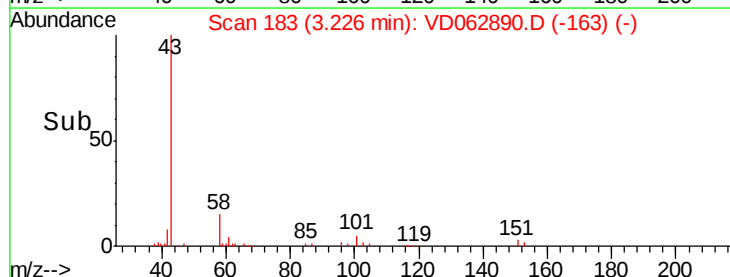
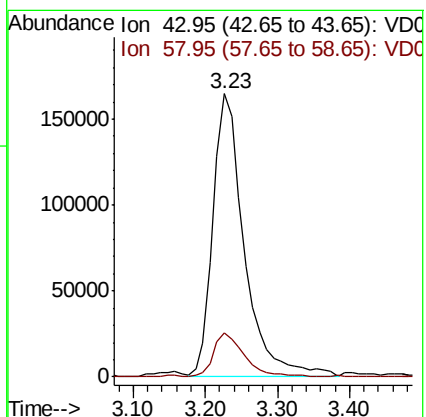
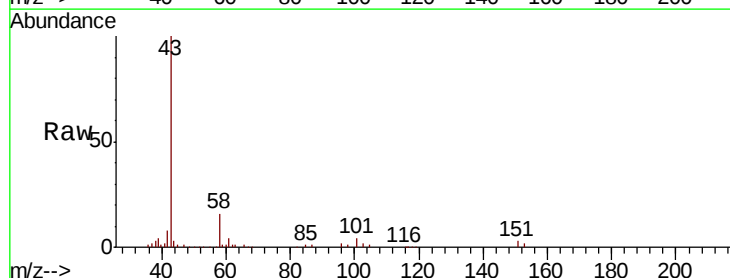
Acq: 25 Jun 2019 20:14

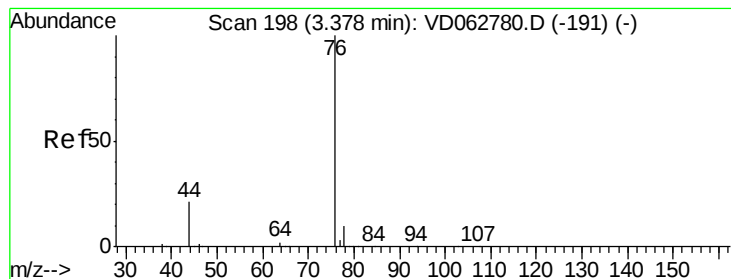
Tgt Ion: 43 Resp: 496285

Ion Ratio Lower Upper

43 100

58 15.7 11.9 17.9





#17

Carbon Disulfide

Concen: 47.472 ug/l

RT: 3.37 min Scan# 198

Delta R.T. -0.00 min

Lab File: VD062890.D

Acq: 25 Jun 2019 20:14

Instrument :

MSVOA_D

ClientSampleId :

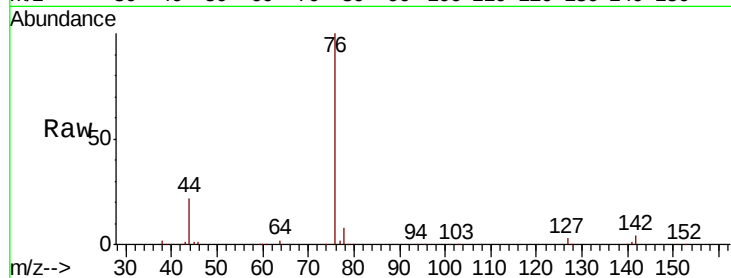
VSTDCCC050EC

Tot Ion: 76 Resp: 996819

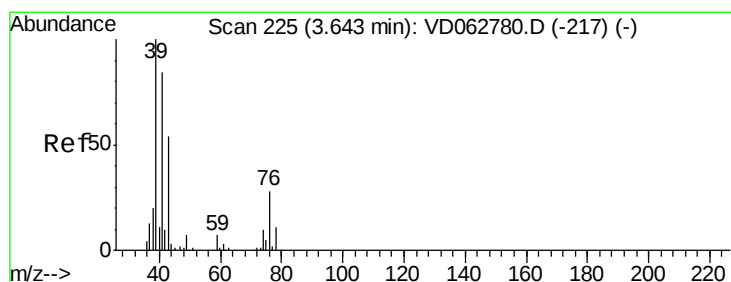
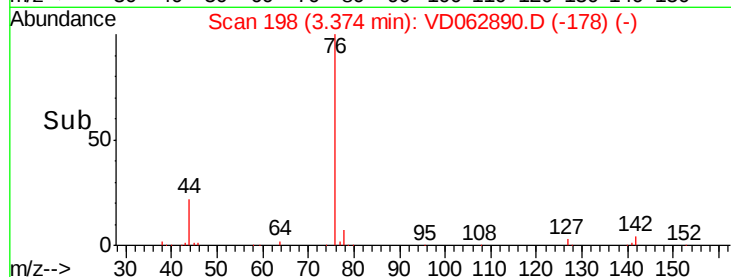
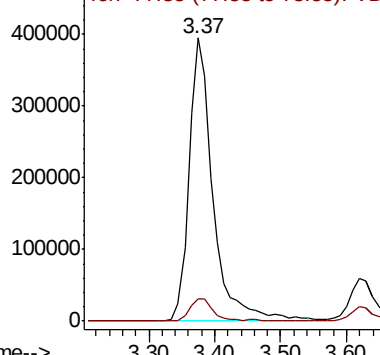
Ion Ratio Lower Upper

76 100

78 8.0 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: 58.666 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.01 min

Lab File: VD062890.D

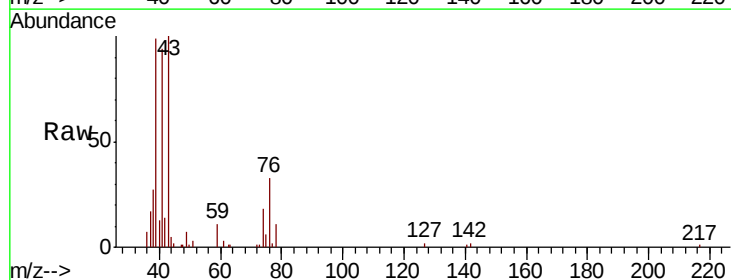
Acq: 25 Jun 2019 20:14

Tgt Ion: 43 Resp: 159366

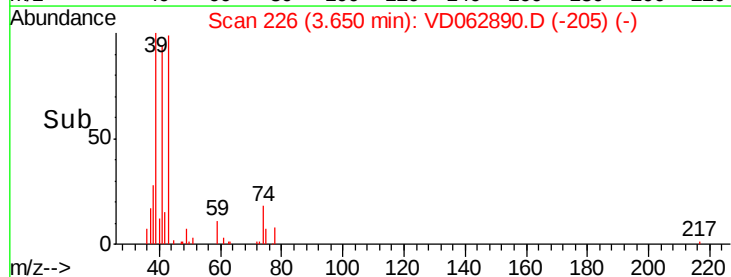
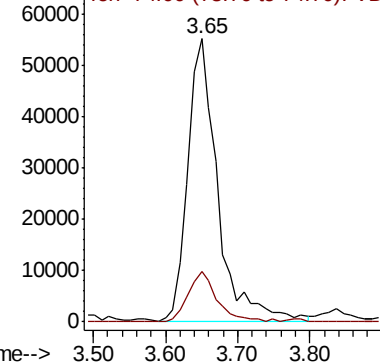
Ion Ratio Lower Upper

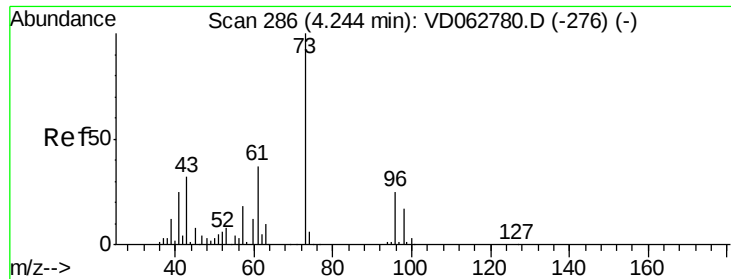
43 100

74 18.0 15.2 22.8



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

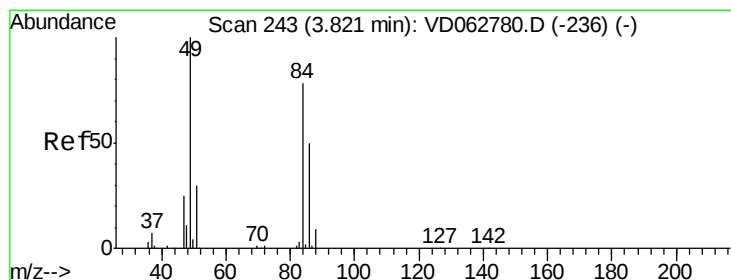
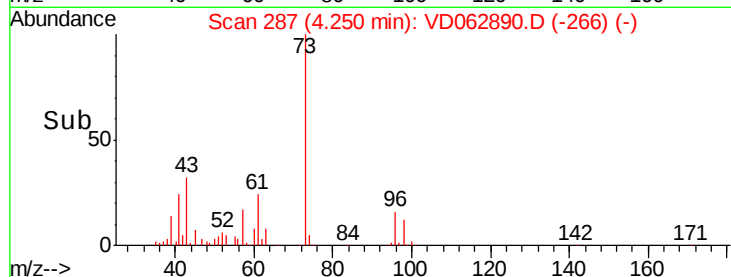
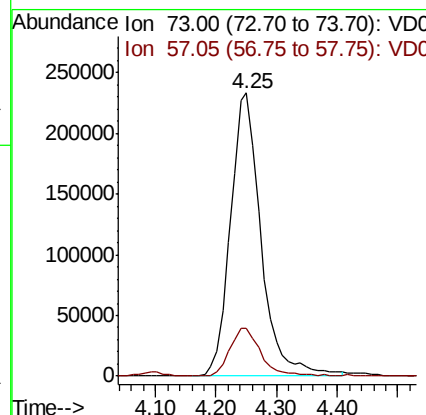
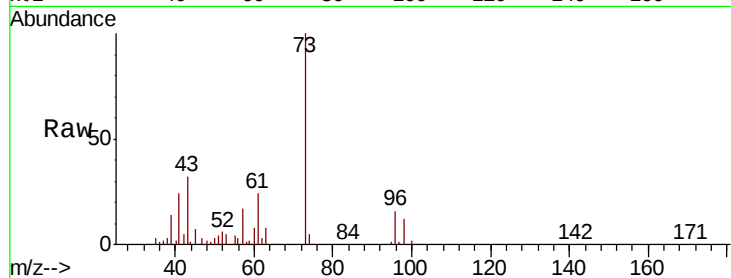




#19
Methyl tert-butyl Ether
Concen: 57.512 ug/l
RT: 4.25 min Scan# 287
Delta R.T. 0.01 min
Lab File: VD062890.D
Acq: 25 Jun 2019 20:14

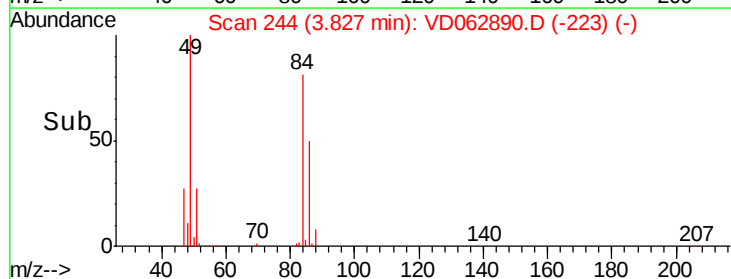
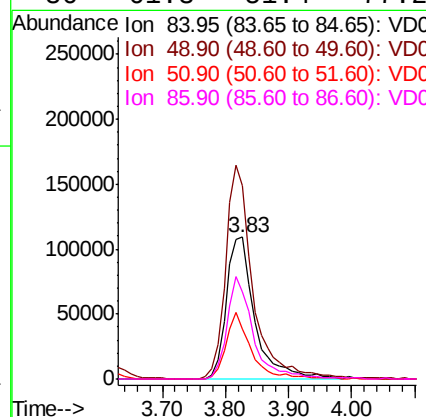
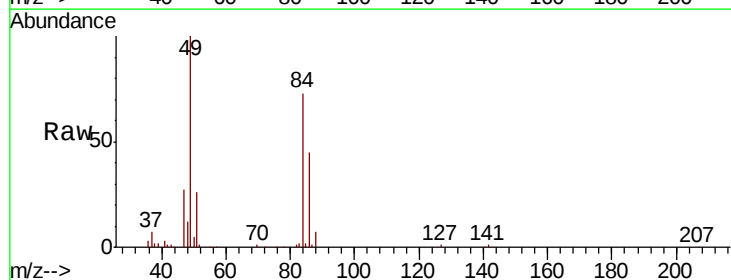
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

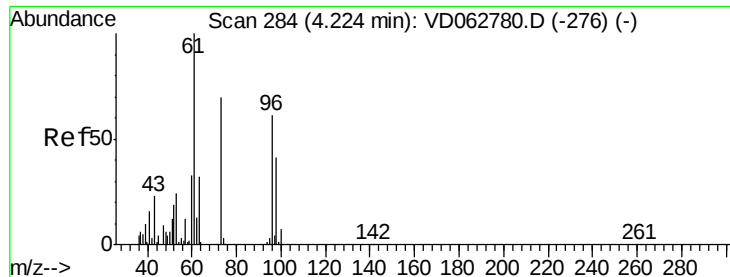
Tot Ion: 73 Resp: 818008
Ion Ratio Lower Upper
73 100
57 17.0 14.3 21.5



#20
Methylene Chloride
Concen: 49.872 ug/l
RT: 3.83 min Scan# 244
Delta R.T. 0.01 min
Lab File: VD062890.D
Acq: 25 Jun 2019 20:14

Tgt Ion: 84 Resp: 342264
Ion Ratio Lower Upper
84 100
49 136.3 102.9 154.3
51 35.6 31.2 46.8
86 61.3 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 52.568 ug/l

RT: 4.22 min Scan# 284

Delta R.T. -0.00 min

Lab File: VD062890.D

Acq: 25 Jun 2019 20:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

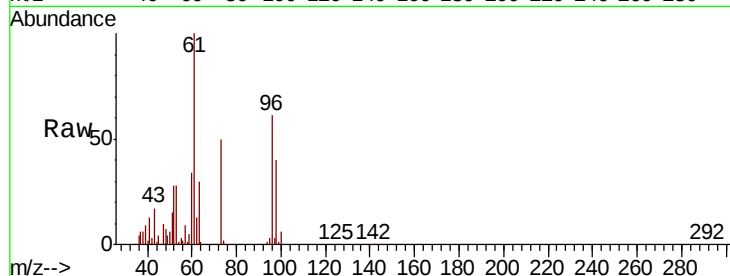
Tot Ion: 96 Resp: 367758

Ion Ratio Lower Upper

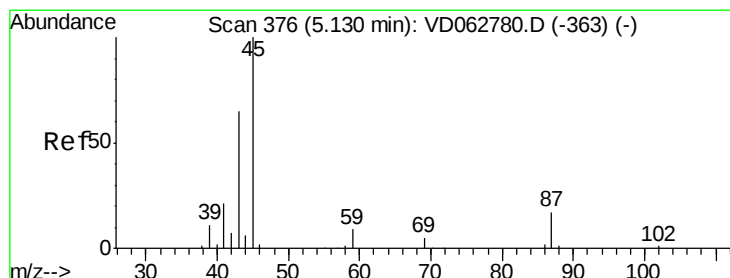
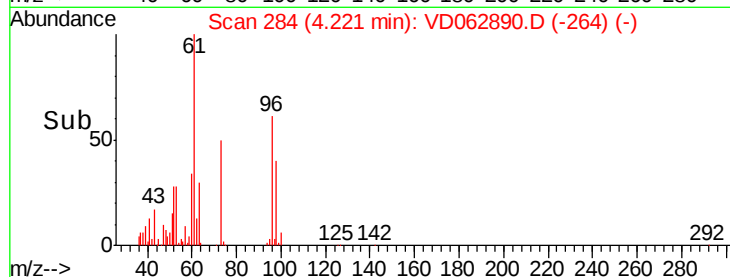
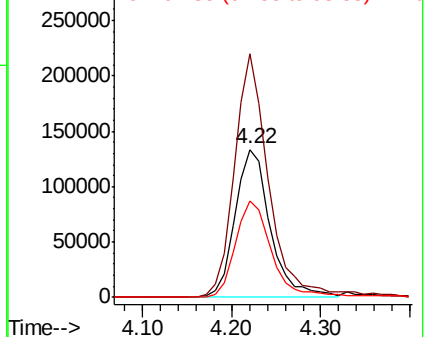
96 100

61 164.6 131.0 196.4

98 65.2 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: 53.860 ug/l

RT: 5.14 min Scan# 377

Delta R.T. 0.01 min

Lab File: VD062890.D

Acq: 25 Jun 2019 20:14

Tgt Ion: 45 Resp: 1063368

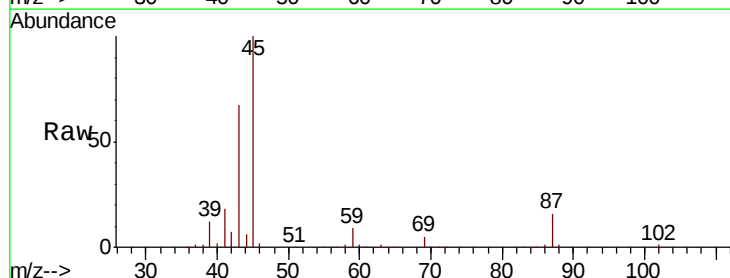
Ion Ratio Lower Upper

45 100

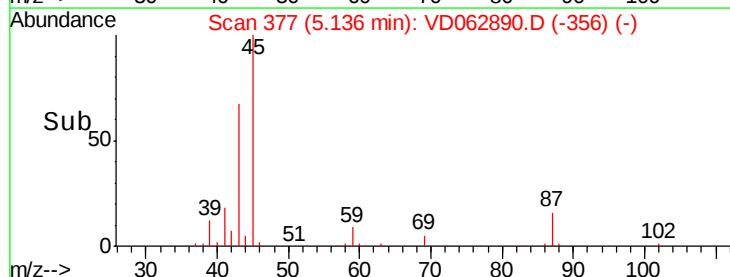
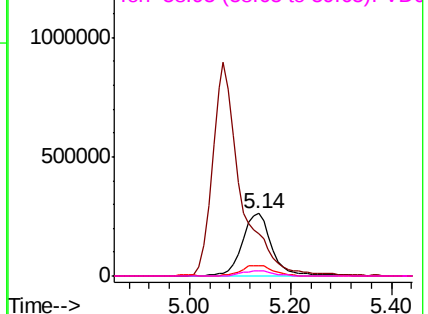
43 66.7 53.4 80.0

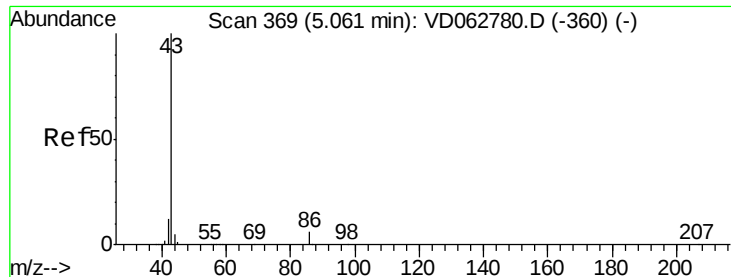
87 16.3 14.6 22.0

59 9.1 7.8 11.8



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 279.405 ug/l

RT: 5.07 min Scan# 370

Delta R.T. 0.01 min

Lab File: VD062890.D

Acq: 25 Jun 2019 20:14

Instrument :

MSVOA_D

ClientSampleId :

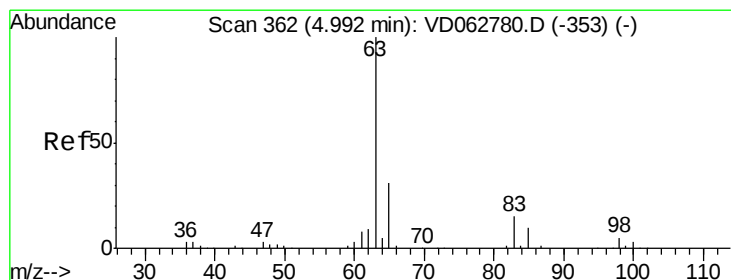
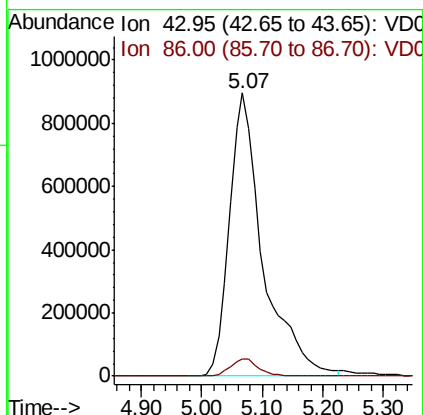
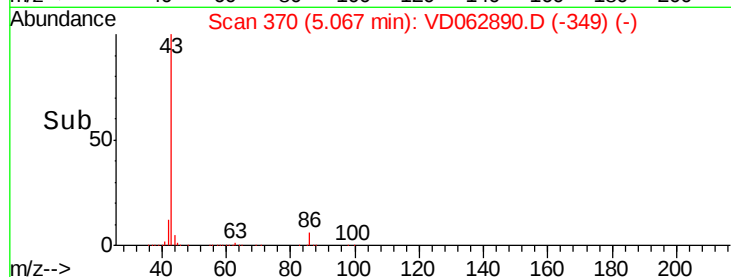
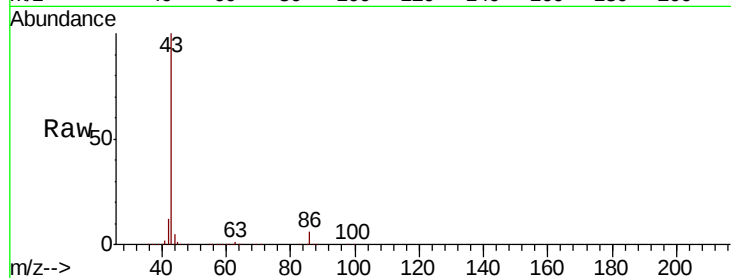
VSTDCCC050EC

Tot Ion: 43 Resp: 3451798

Ion Ratio Lower Upper

43 100

86 6.1 4.7 7.1



#24

1,1-Dichloroethane

Concen: 51.541 ug/l

RT: 4.99 min Scan# 362

Delta R.T. -0.00 min

Lab File: VD062890.D

Acq: 25 Jun 2019 20:14

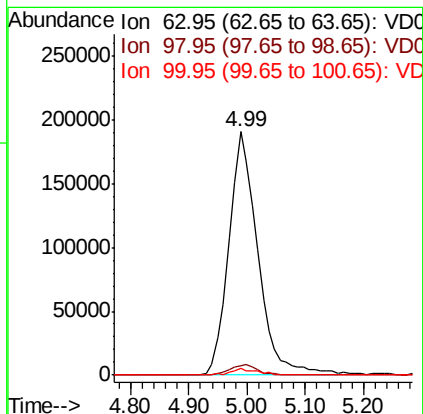
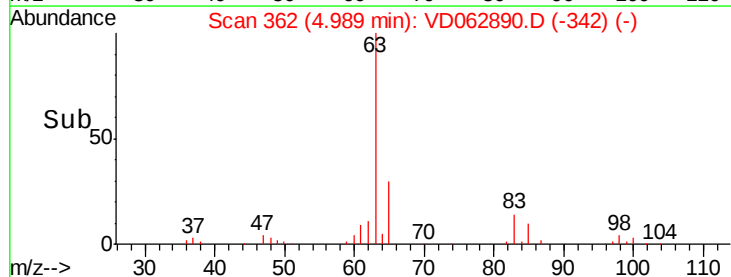
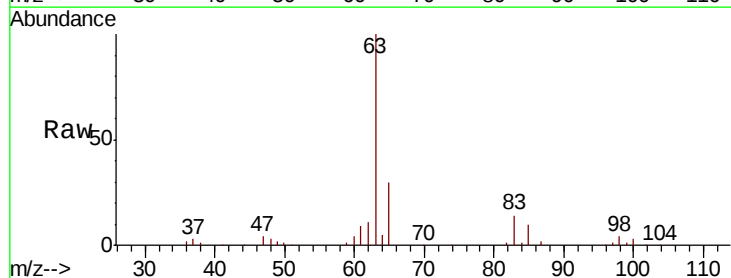
Tgt Ion: 63 Resp: 662520

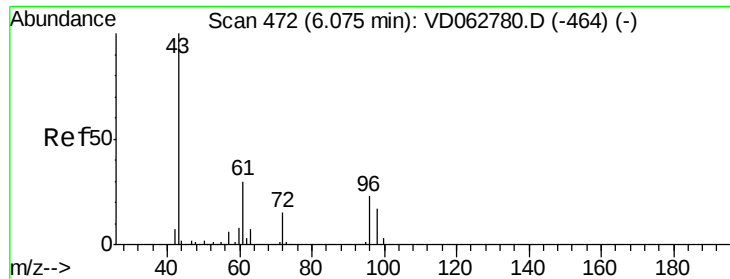
Ion Ratio Lower Upper

63 100

98 4.1 2.3 6.9

100 2.8 1.7 5.1





#25

2-Butanone

Concen: 293.800 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.01 min

Lab File: VD062890.D

Acq: 25 Jun 2019 20:14

Instrument :

MSVOA_D

ClientSampleId :

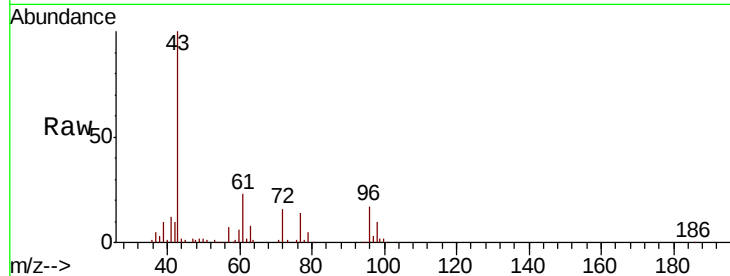
VSTDCCC050EC

Tot Ion: 43 Resp: 494479

Ion Ratio Lower Upper

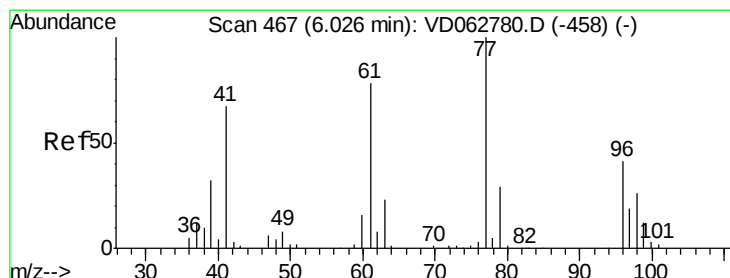
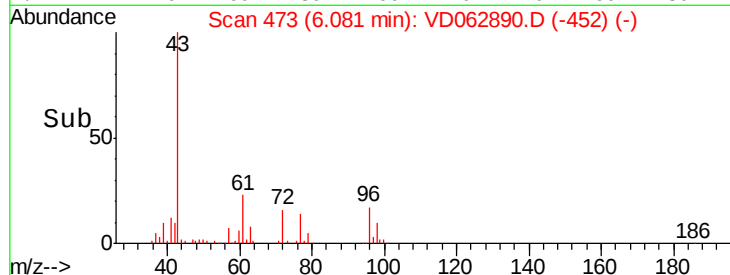
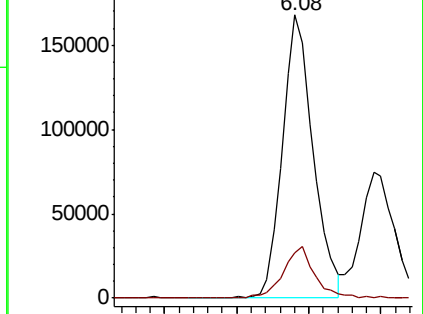
43 100

72 16.2 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: 50.559 ug/l

RT: 6.03 min Scan# 468

Delta R.T. 0.01 min

Lab File: VD062890.D

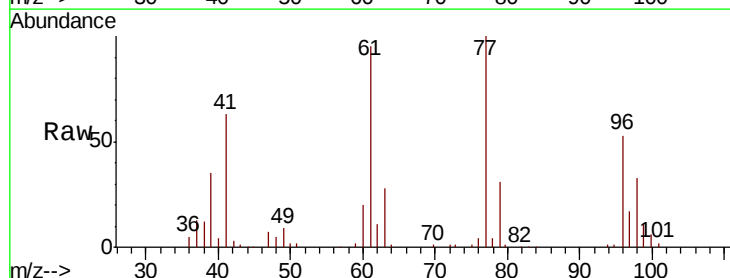
Acq: 25 Jun 2019 20:14

Tgt Ion: 77 Resp: 688863

Ion Ratio Lower Upper

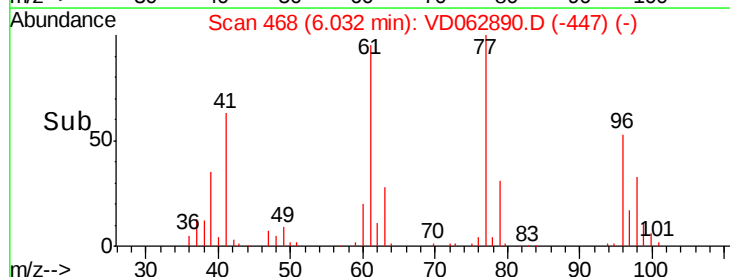
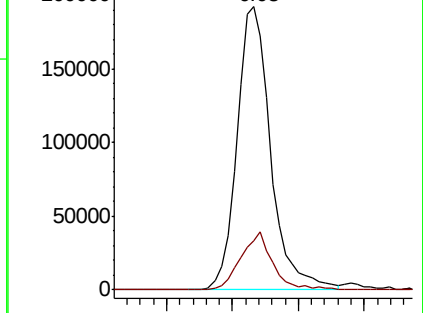
77 100

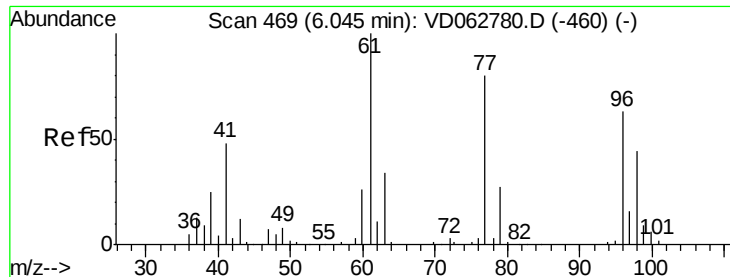
97 17.2 9.5 28.5



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



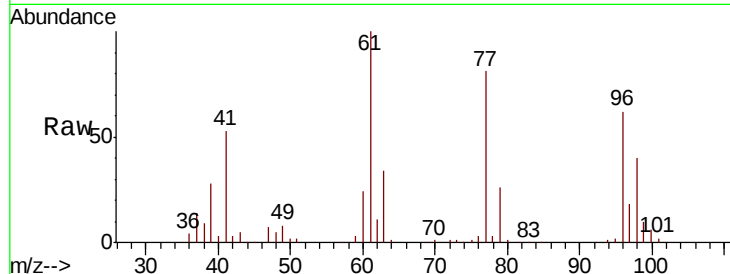


#27

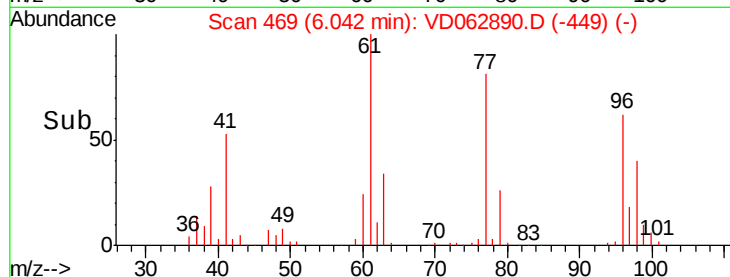
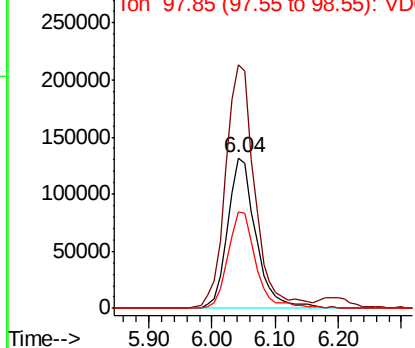
cis-1,2-Dichloroethene
 Concen: 54.965 ug/l
 RT: 6.04 min Scan# 469
 Delta R.T. -0.00 min
 Lab File: VD062890.D
 Acq: 25 Jun 2019 20:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 96 Resp: 406630
 Ion Ratio Lower Upper
 96 100
 61 161.9 0.0 316.0
 98 64.5 0.0 138.4



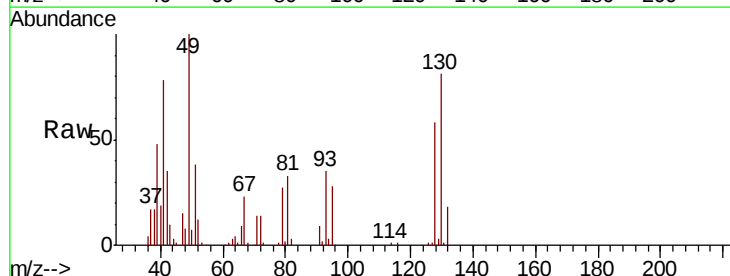
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



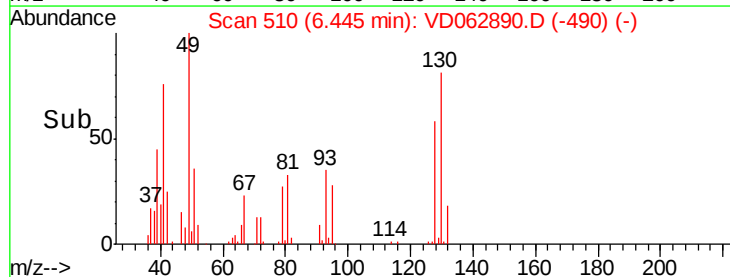
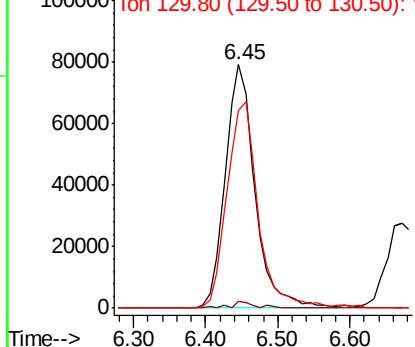
#28

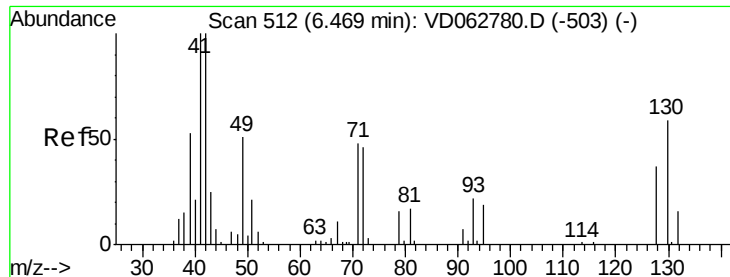
Bromochloromethane
 Concen: 49.989 ug/l
 RT: 6.45 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VD062890.D
 Acq: 25 Jun 2019 20:14

Tgt Ion: 49 Resp: 226316
 Ion Ratio Lower Upper
 49 100
 129 3.0 0.0 5.6
 130 81.0 76.6 114.8



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





#29

Tetrahydrofuran

Concen: 272.305 ug/l

RT: 6.47 min Scan# 512

Delta R.T. -0.00 min

Lab File: VD062890.D

Acq: 25 Jun 2019 20:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

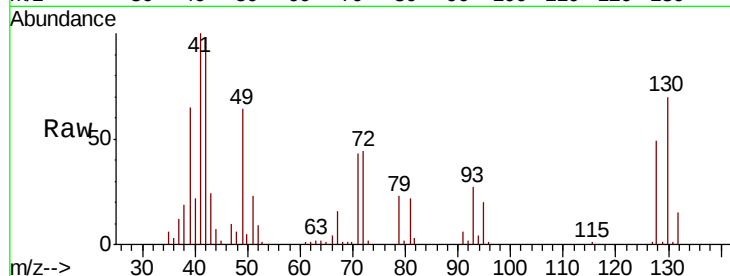
Tot Ion: 42 Resp: 216840

Ion Ratio Lower Upper

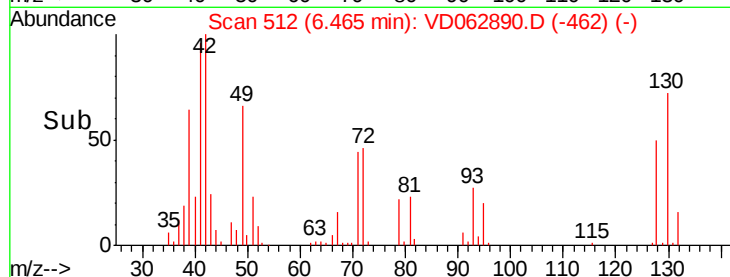
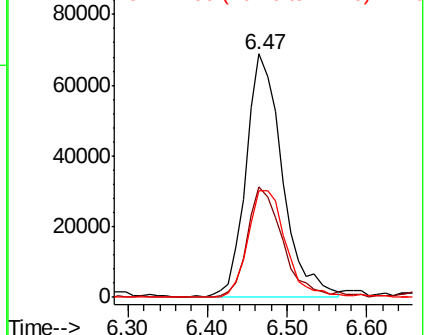
42 100

72 44.7 35.0 52.6

71 45.8 33.3 49.9



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



#30

Chloroform

Concen: 54.915 ug/l

RT: 6.67 min Scan# 533

Delta R.T. -0.00 min

Lab File: VD062890.D

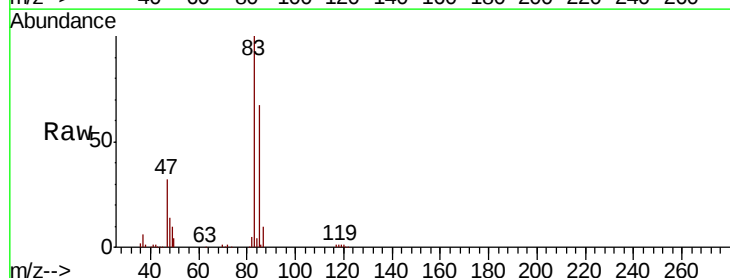
Acq: 25 Jun 2019 20:14

Tgt Ion: 83 Resp: 858474

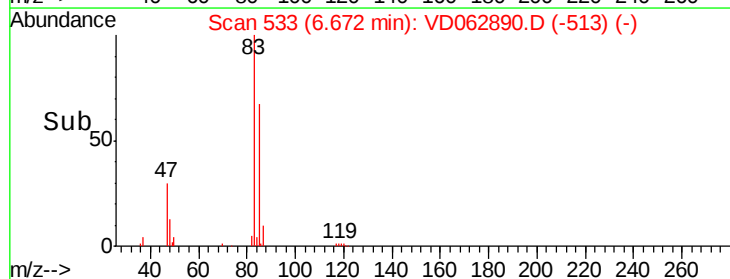
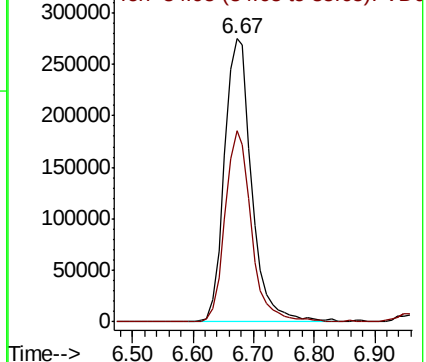
Ion Ratio Lower Upper

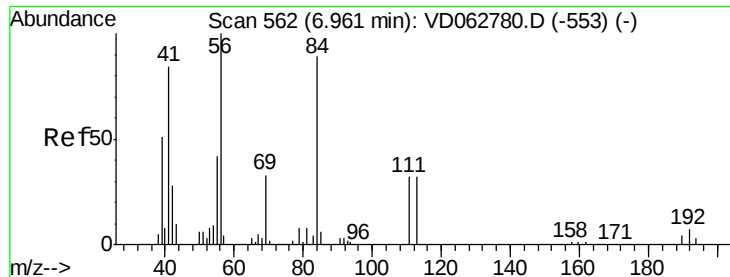
83 100

85 67.4 49.8 74.6



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

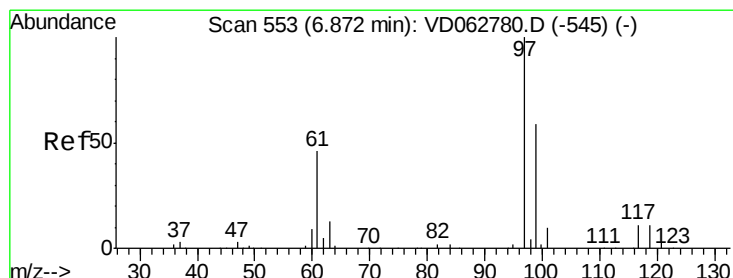
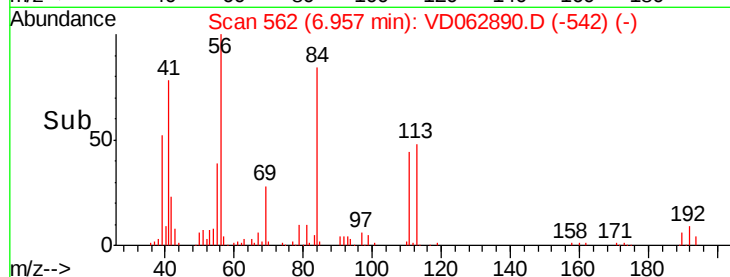
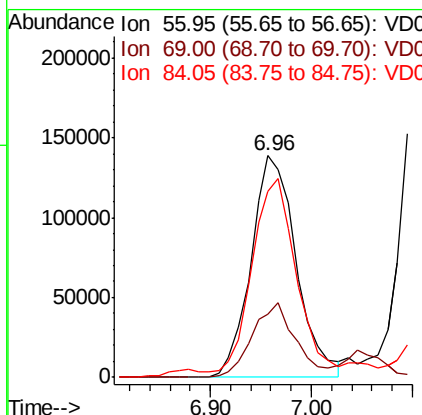
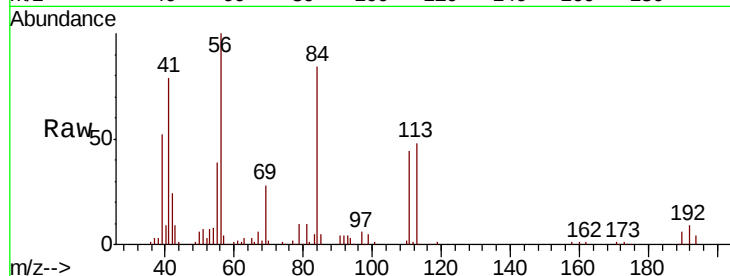




#31
Cyclohexane
Concen: 51.108 ug/l
RT: 6.96 min Scan# 562
Delta R.T. -0.00 min
Lab File: VD062890.D
Acq: 25 Jun 2019 20:14

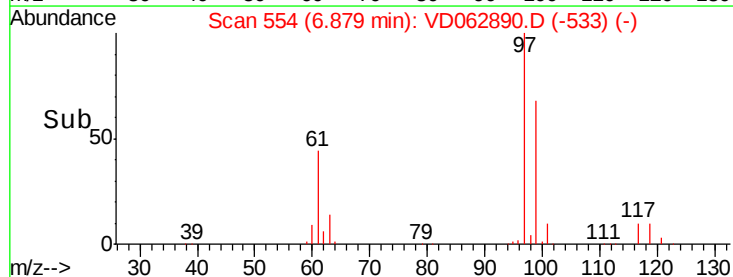
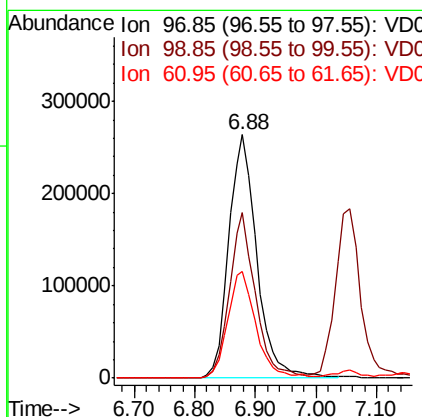
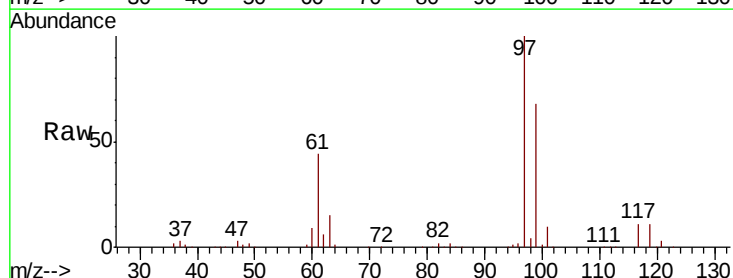
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 56 Resp: 431886
Ion Ratio Lower Upper
56 100
69 28.5 26.6 39.8
84 83.8 75.5 113.3



#32
1,1,1-Trichloroethane
Concen: 52.094 ug/l
RT: 6.88 min Scan# 554
Delta R.T. 0.01 min
Lab File: VD062890.D
Acq: 25 Jun 2019 20:14

Tgt Ion: 97 Resp: 848222
Ion Ratio Lower Upper
97 100
99 68.3 47.4 71.2
61 44.0 37.2 55.8





#33

1,2-Dichloroethane-d4

Concen: 48.943 ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.00 min

Lab File: VD062890.D

Acq: 25 Jun 2019 20:14

Instrument :

MSVOA_D

ClientSampleId :

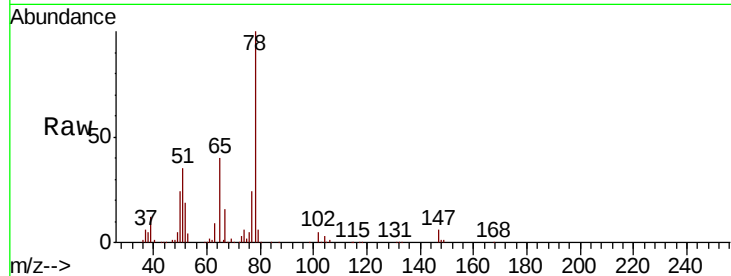
VSTDCCC050EC

Tot Ion: 65 Resp: 440428

Ion Ratio Lower Upper

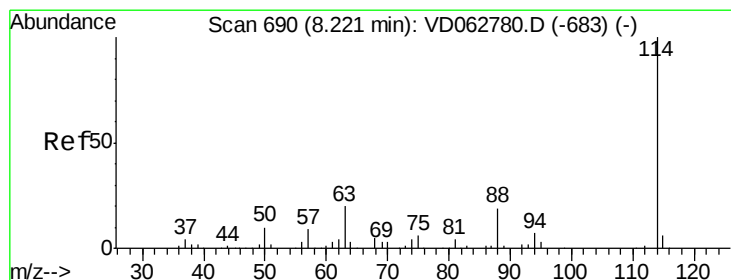
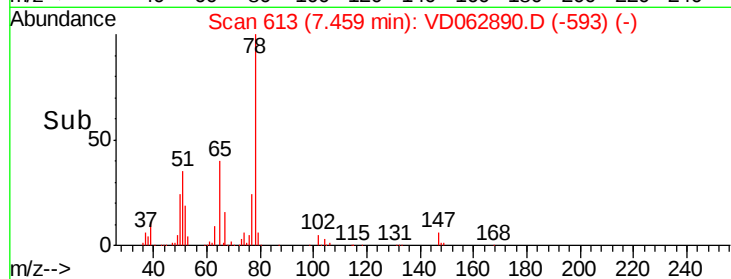
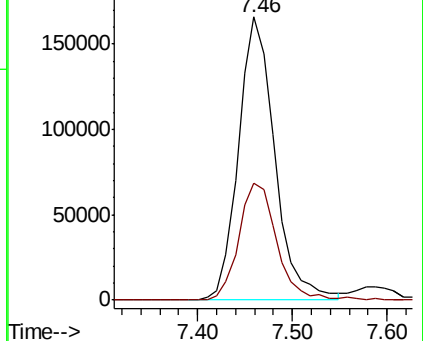
65 100

67 41.2 0.0 87.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 691

Delta R.T. 0.01 min

Lab File: VD062890.D

Acq: 25 Jun 2019 20:14

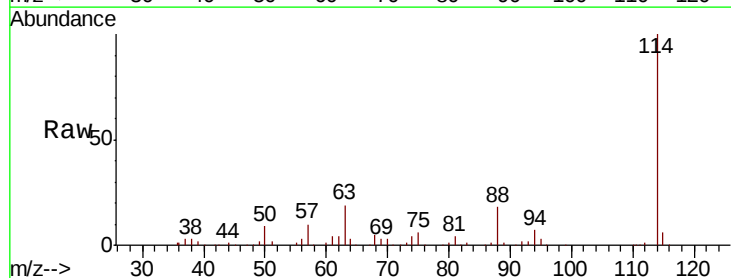
Tgt Ion: 114 Resp: 1112852

Ion Ratio Lower Upper

114 100

63 19.5 0.0 40.0

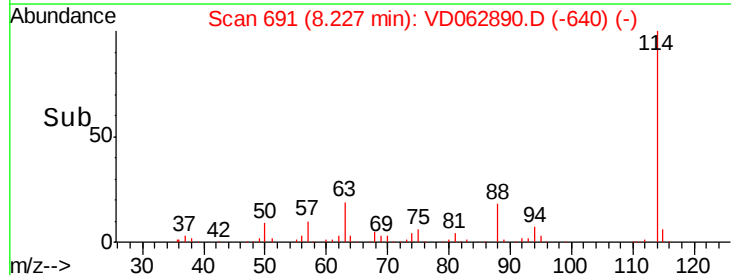
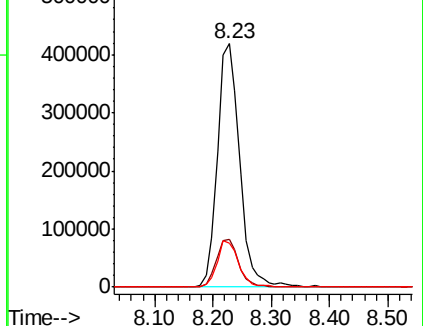
88 17.9 0.0 38.8

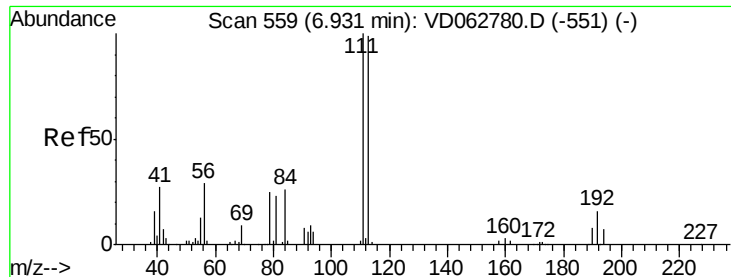


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

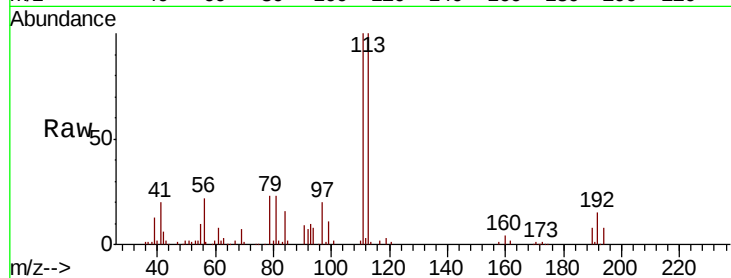




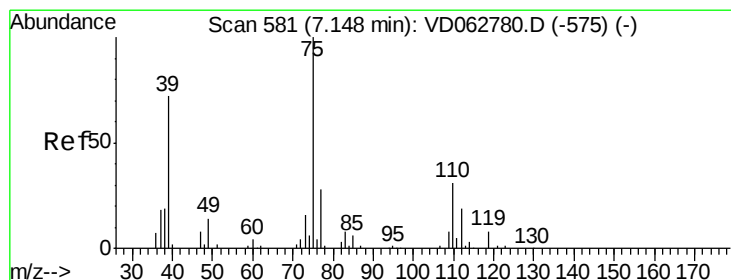
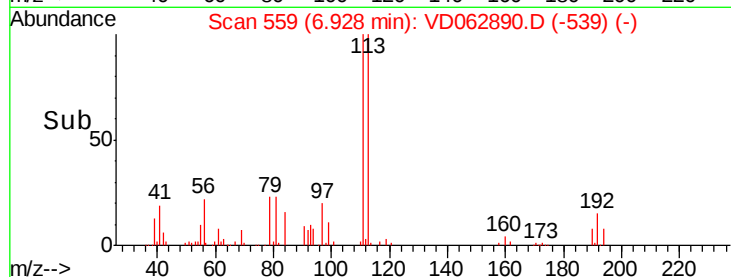
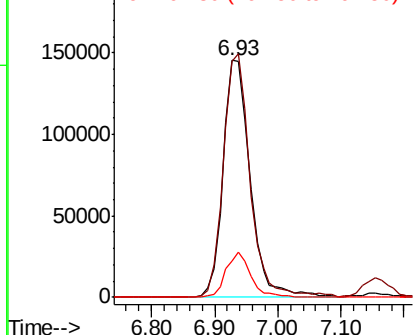
#35
 Dibromofluoromethane
 Concen: 46.375 ug/l
 RT: 6.93 min Scan# 559
 Delta R.T. -0.00 min
 Lab File: VD062890.D
 Acq: 25 Jun 2019 20:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	99.7	81.2	121.8
192	15.1	12.9	19.3

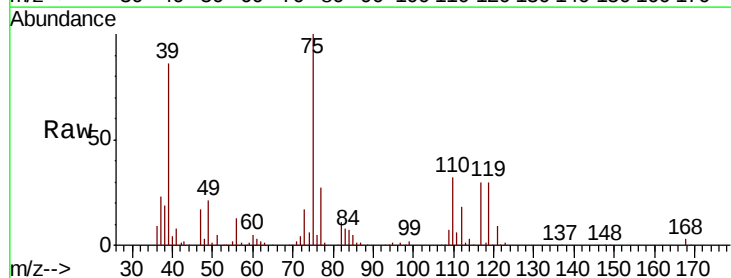


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

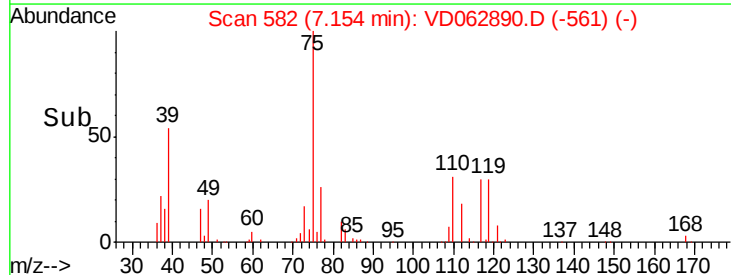
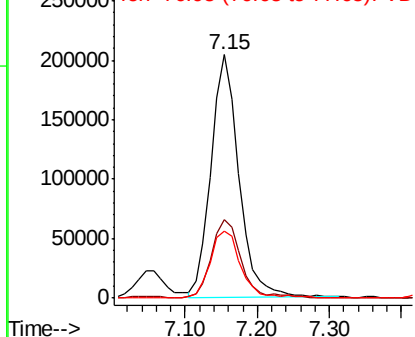


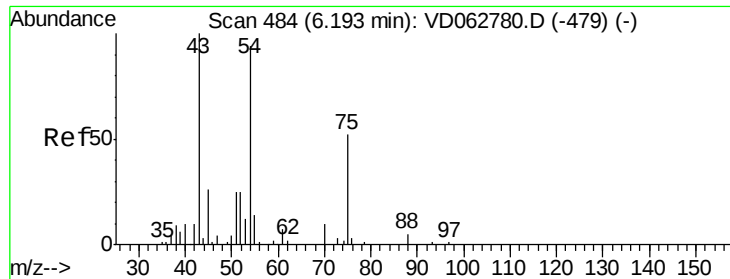
#36
 1,1-Dichloropropene
 Concen: 51.613 ug/l
 RT: 7.15 min Scan# 582
 Delta R.T. 0.01 min
 Lab File: VD062890.D
 Acq: 25 Jun 2019 20:14

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.1	15.0	45.1
77	27.4	22.2	33.2



Abundance Ion 75.00 (74.70 to 75.70): VDC
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.95 (76.65 to 77.65): VDC

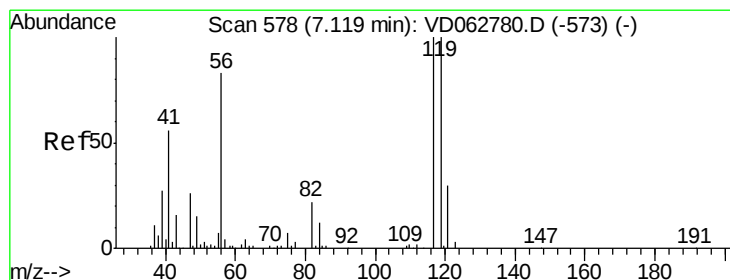
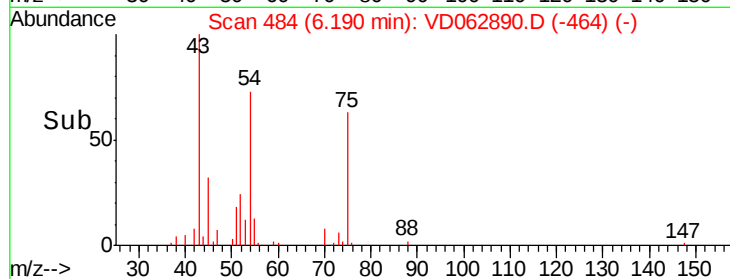
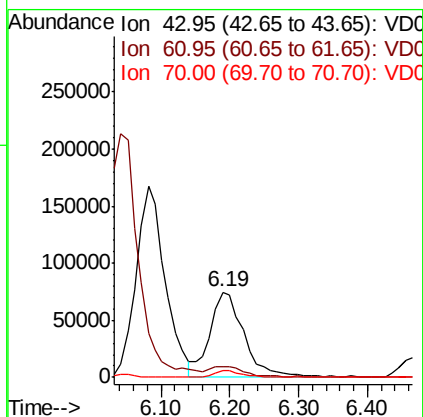
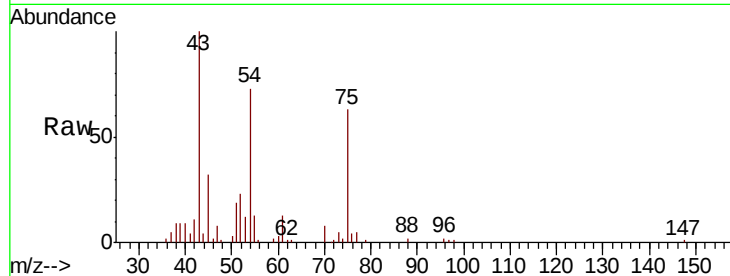




#37
Ethyl Acetate
Concen: 56.732 ug/l
RT: 6.19 min Scan# 484
Delta R.T. -0.00 min
Lab File: VD062890.D
Acq: 25 Jun 2019 20:14

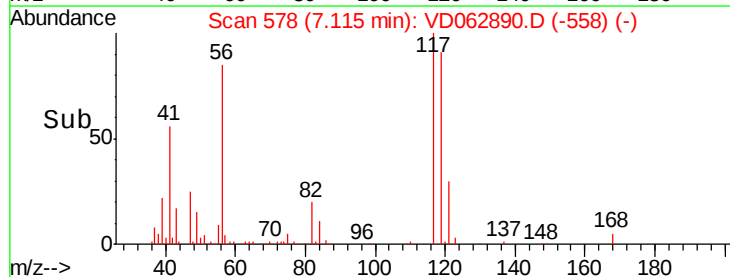
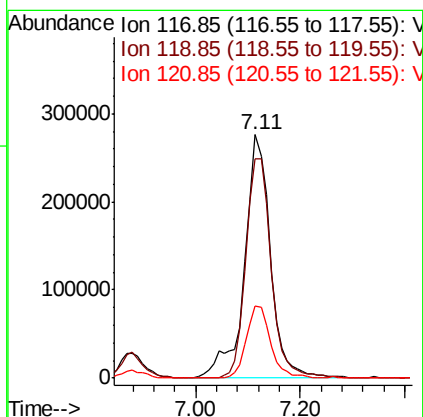
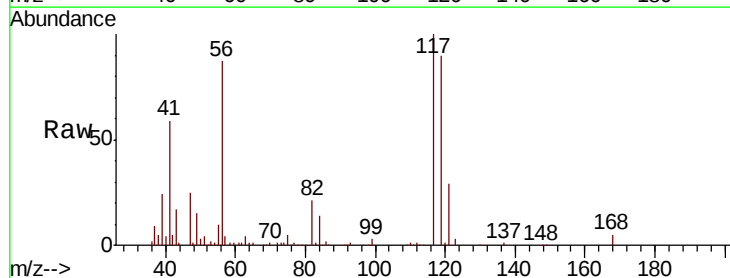
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

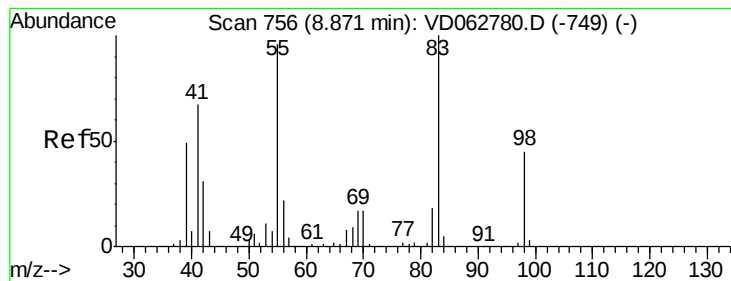
Tot Ion: 43 Resp: 250404
Ion Ratio Lower Upper
43 100
61 12.8 11.6 17.4
70 8.3 6.4 9.6



#38
Carbon Tetrachloride
Concen: 58.200 ug/l
RT: 7.11 min Scan# 578
Delta R.T. -0.00 min
Lab File: VD062890.D
Acq: 25 Jun 2019 20:14

Tgt Ion: 117 Resp: 922114
Ion Ratio Lower Upper
117 100
119 90.2 75.4 113.2
121 29.5 22.3 33.5





#39

Methvlcvclohexane

Concen: 52.523 ug/l

RT: 8.88 min Scan# 757

Delta R.T. 0.01 min

Lab File: VD062890.D

Acq: 25 Jun 2019 20:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

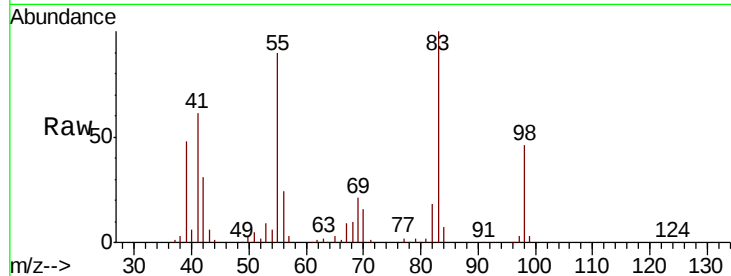
Tot Ion: 83 Resp: 487052

Ion Ratio Lower Upper

83 100

55 89.6 76.6 115.0

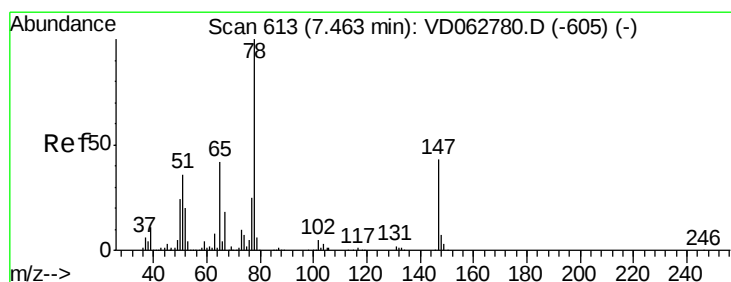
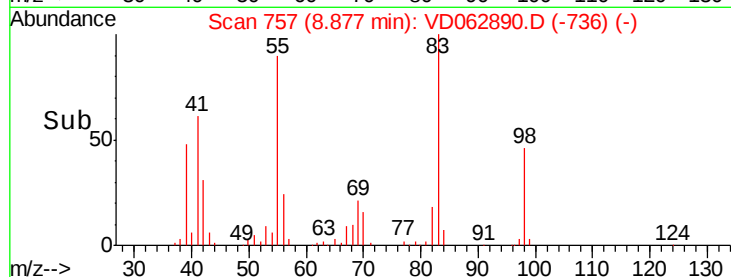
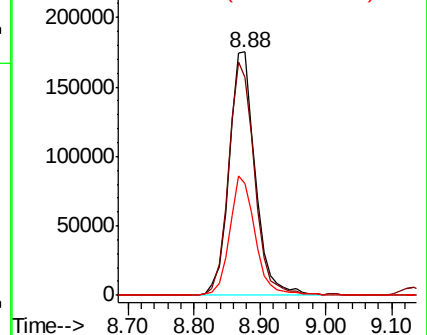
98 45.8 35.7 53.5



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 55.938 ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.00 min

Lab File: VD062890.D

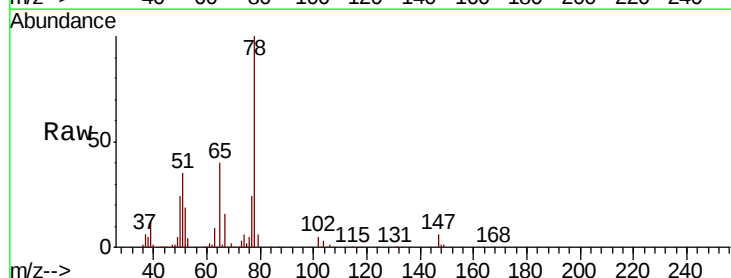
Acq: 25 Jun 2019 20:14

Tgt Ion: 78 Resp: 1182882

Ion Ratio Lower Upper

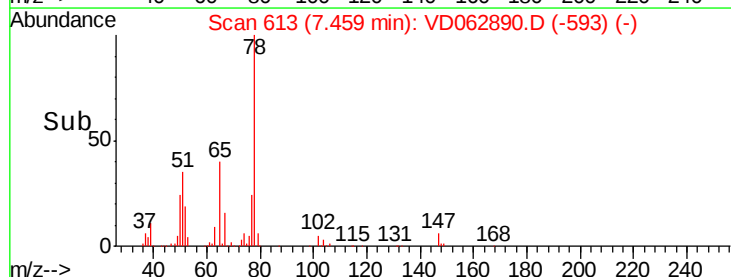
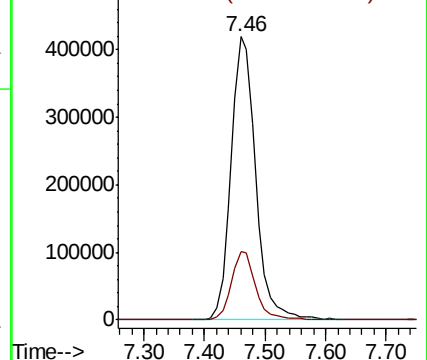
78 100

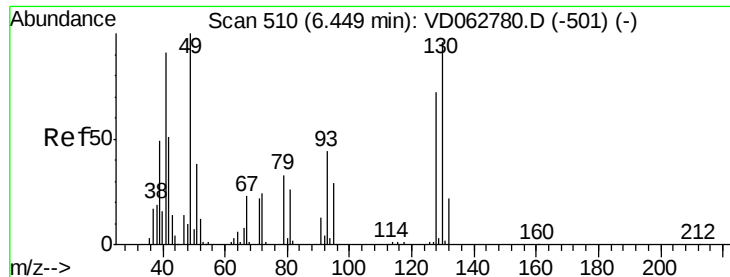
77 24.2 20.2 30.2



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 52.722 ug/l

RT: 6.47 min Scan# 512

Delta R.T. 0.02 min

Lab File: VD062890.D

Acq: 25 Jun 2019 20:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 292905

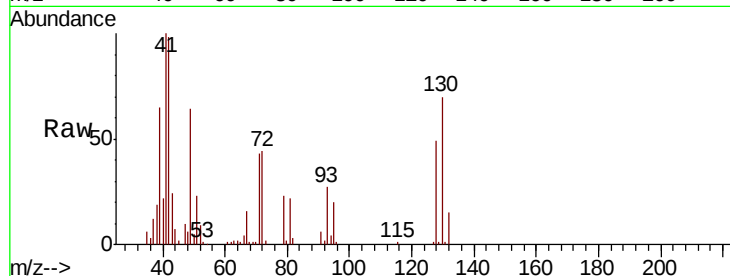
Ion Ratio Lower Upper

41 100

39 65.0 43.2 64.8#

67 15.7 19.9 29.9#

52 9.1 10.2 15.4#

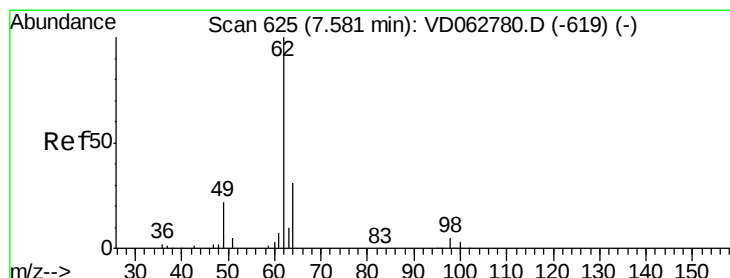
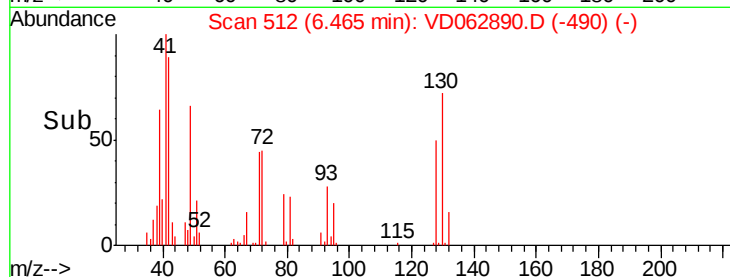
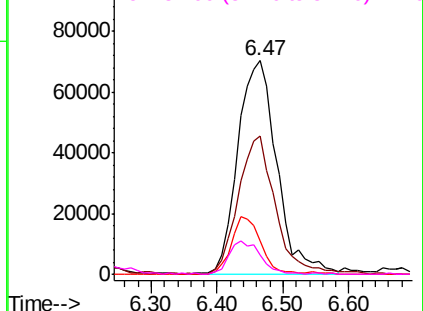


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 57.715 ug/l

RT: 7.59 min Scan# 626

Delta R.T. 0.01 min

Lab File: VD062890.D

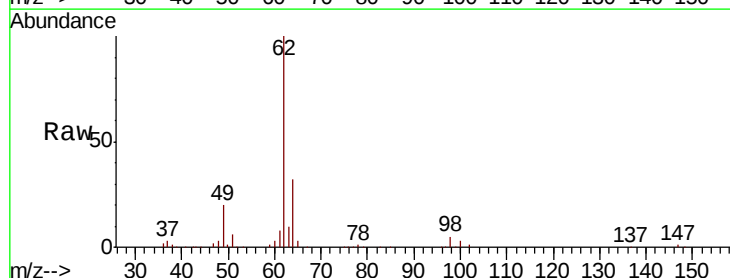
Acq: 25 Jun 2019 20:14

Tgt Ion: 62 Resp: 665788

Ion Ratio Lower Upper

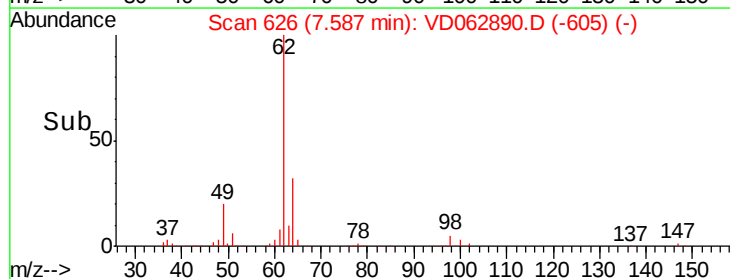
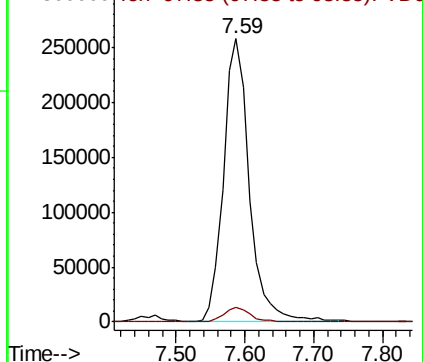
62 100

98 5.0 0.0 10.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



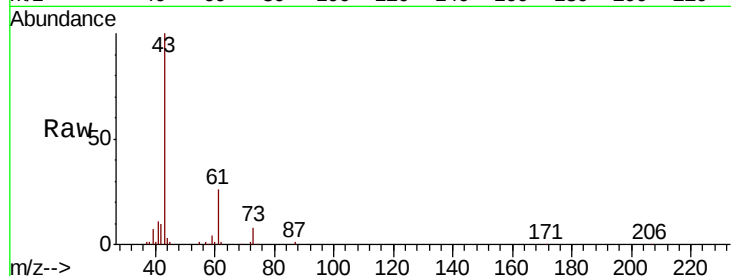


#43

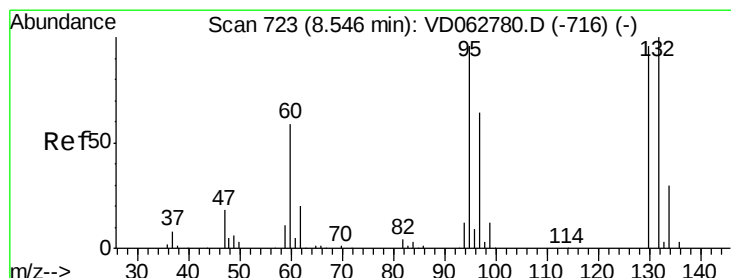
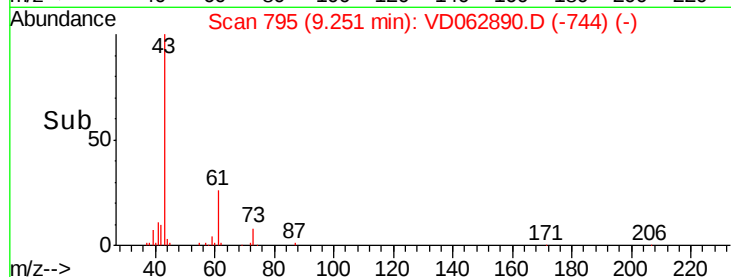
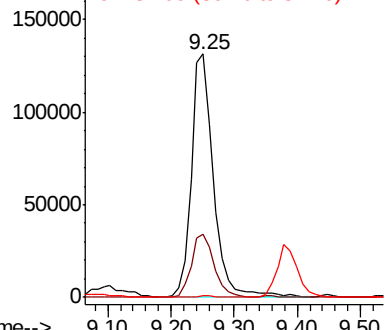
Isopropyl Acetate
 Concen: 58.347 ug/l
 RT: 9.25 min Scan# 795
 Delta R.T. 0.01 min
 Lab File: VD062890.D
 Acq: 25 Jun 2019 20:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 322247
 Ion Ratio Lower Upper
 43 100
 61 25.8 22.4 33.6
 87 0.5 0.3 0.5#



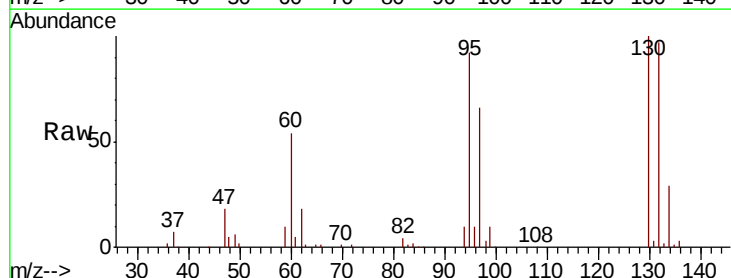
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



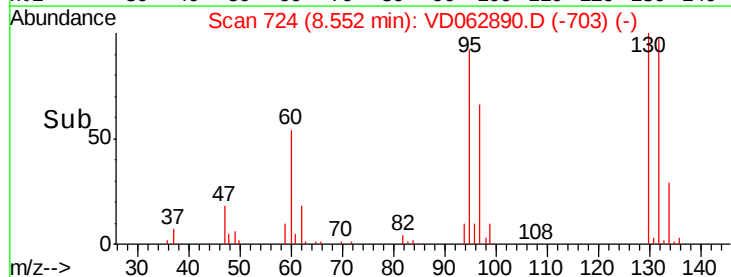
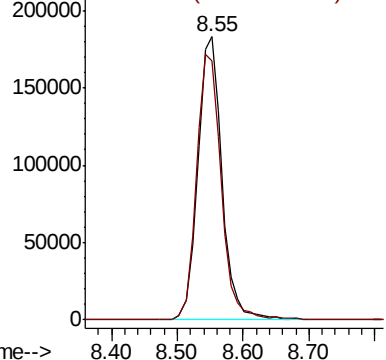
#44

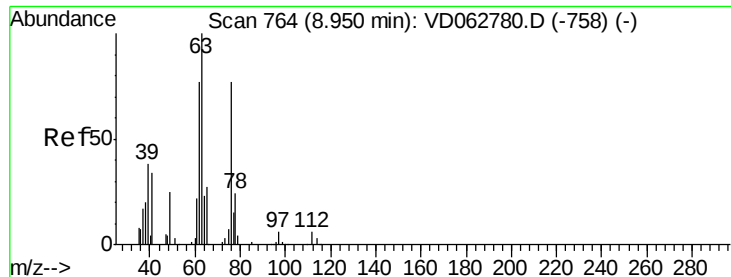
Trichloroethene
 Concen: 56.691 ug/l
 RT: 8.55 min Scan# 724
 Delta R.T. 0.01 min
 Lab File: VD062890.D
 Acq: 25 Jun 2019 20:14

Tgt Ion:130 Resp: 469983
 Ion Ratio Lower Upper
 130 100
 95 91.6 0.0 201.6



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





#45

1,2-Dichloropropane

Concen: 53.002 ug/l

RT: 8.95 min Scan# 764

Delta R.T. -0.00 min

Lab File: VD062890.D

Acq: 25 Jun 2019 20:14

Instrument :

MSVOA_D

ClientSampleId :

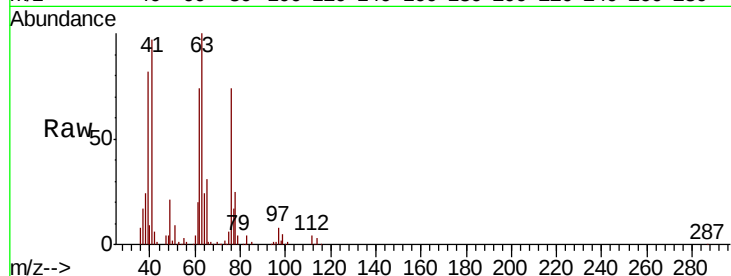
VSTDCCC050EC

Tot Ion: 63 Resp: 278695

Ion Ratio Lower Upper

63 100

65 31.4 24.2 36.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.95

120000

100000

80000

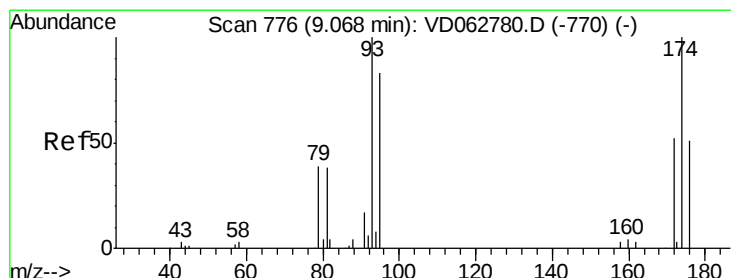
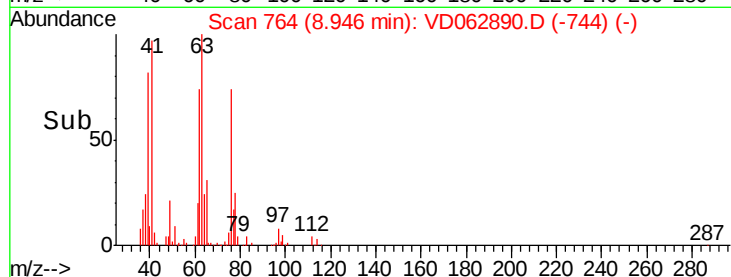
60000

40000

20000

0

Time--> 8.80 8.90 9.00 9.10



#46

Dibromomethane

Concen: 56.892 ug/l

RT: 9.07 min Scan# 777

Delta R.T. 0.01 min

Lab File: VD062890.D

Acq: 25 Jun 2019 20:14

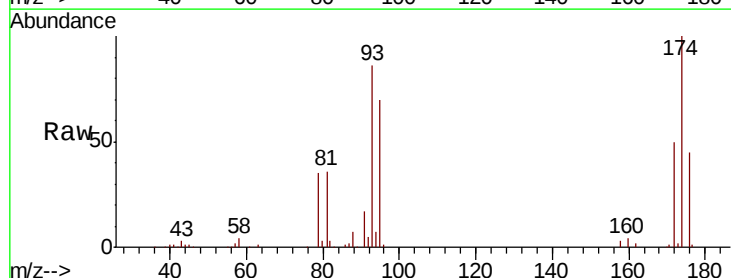
Tgt Ion: 93 Resp: 256972

Ion Ratio Lower Upper

93 100

95 81.8 66.6 100.0

174 116.2 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

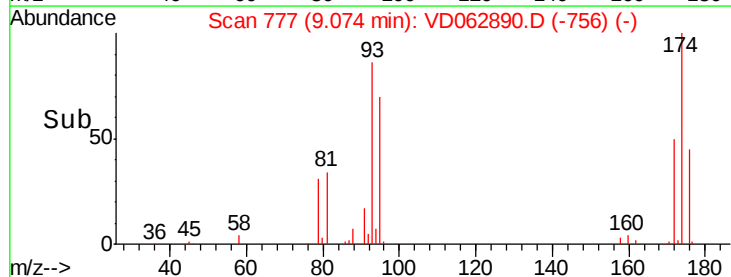
150000

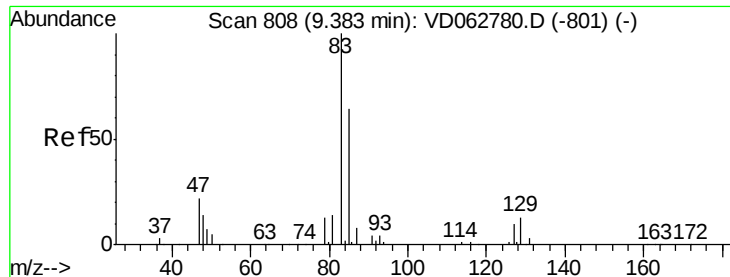
100000

50000

0

Time--> 9.00 9.10 9.20





#47

Bromodichloromethane

Concen: 56.525 ug/l

RT: 9.38 min Scan# 808

Delta R.T. -0.00 min

Lab File: VD062890.D

Acq: 25 Jun 2019 20:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

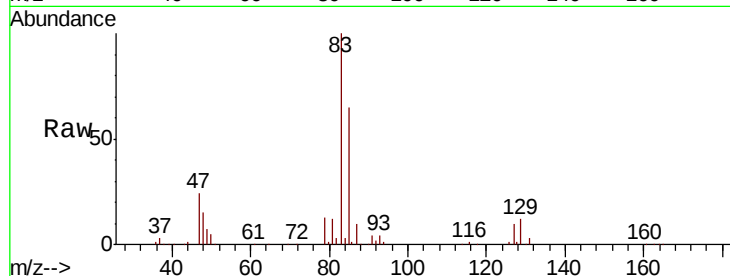
Tot Ion: 83 Resp: 663078

Ion Ratio Lower Upper

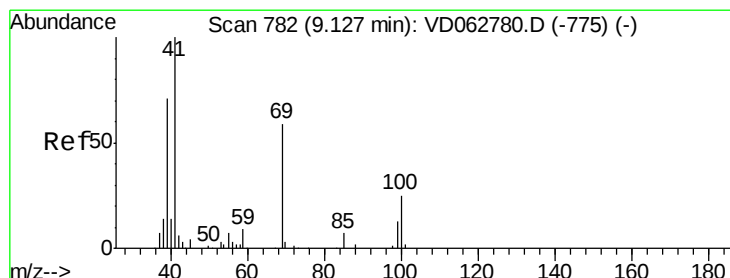
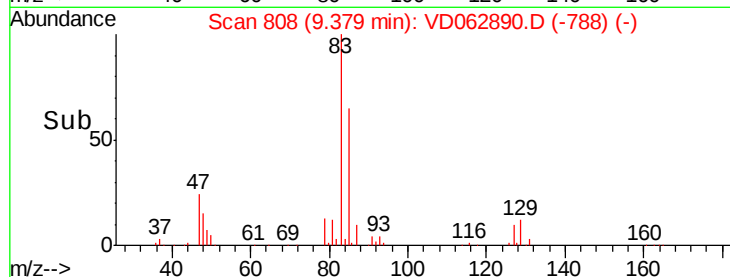
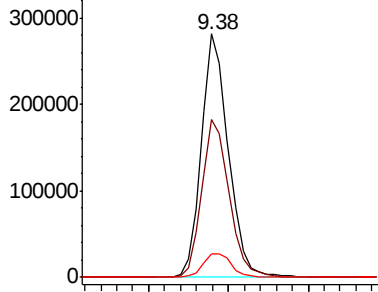
83 100

85 64.9 51.6 77.4

127 9.5 7.8 11.6



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



#48

Methyl methacrylate

Concen: 54.788 ug/l

RT: 9.13 min Scan# 783

Delta R.T. 0.01 min

Lab File: VD062890.D

Acq: 25 Jun 2019 20:14

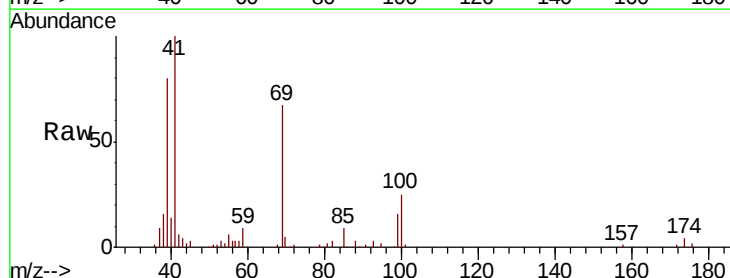
Tgt Ion: 41 Resp: 215034

Ion Ratio Lower Upper

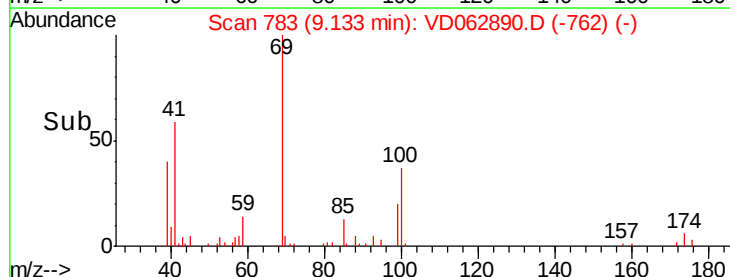
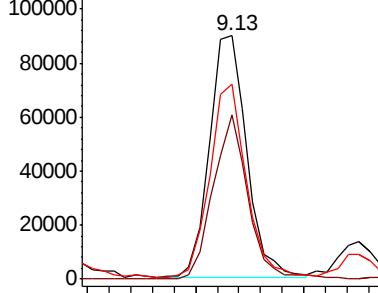
41 100

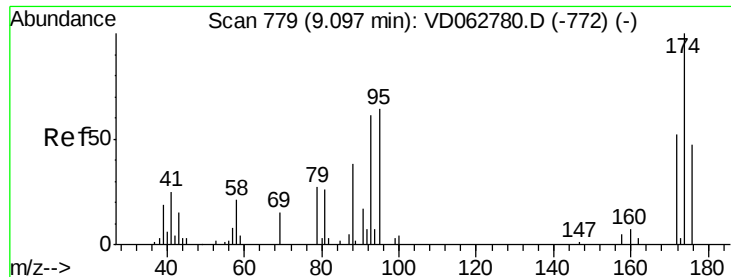
69 67.3 47.2 70.8

39 80.0 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

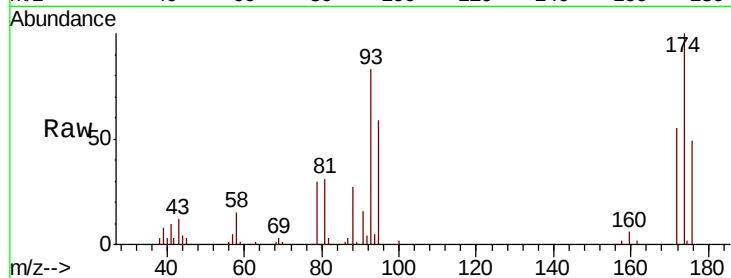




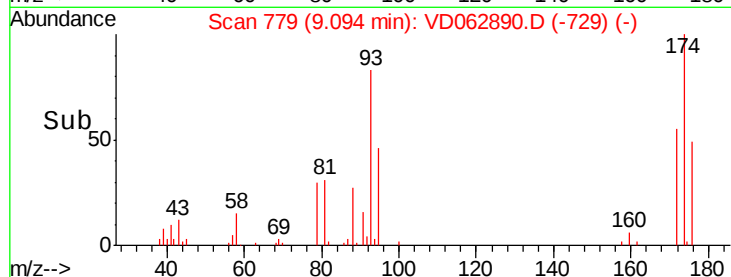
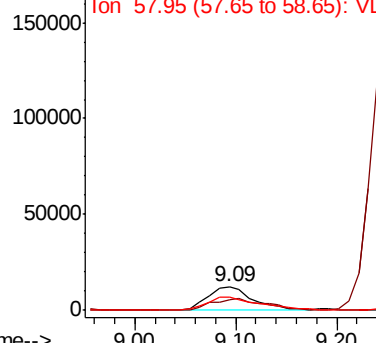
#49
1,4-Dioxane
Concen: 1198.448 ug/l
RT: 9.09 min Scan# 779
Delta R.T. -0.00 min
Lab File: VD062890.D
Acq: 25 Jun 2019 20:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 88 Resp: 39133
Ion Ratio Lower Upper
88 100
43 45.4 32.1 48.1
58 56.9 44.1 66.1

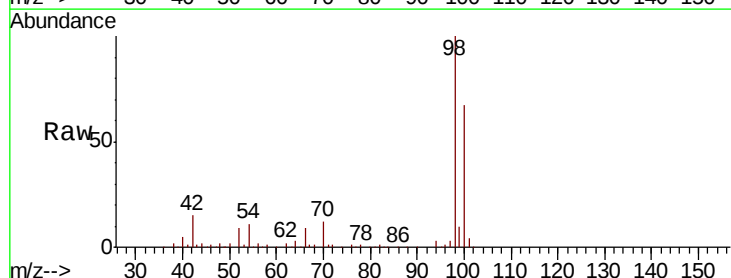


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

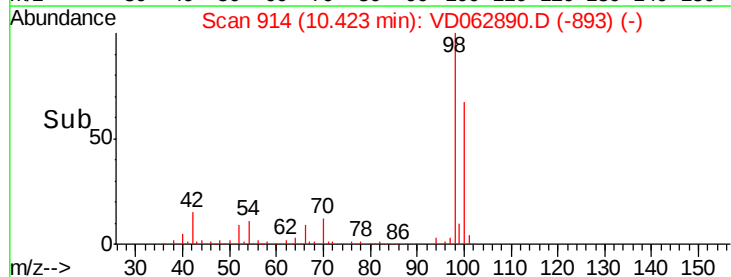
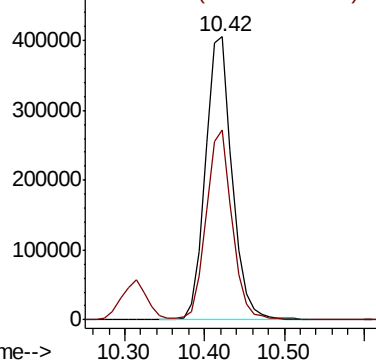


#50
Toluene-d8
Concen: 46.212 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.01 min
Lab File: VD062890.D
Acq: 25 Jun 2019 20:14

Tgt Ion: 98 Resp: 943785
Ion Ratio Lower Upper
98 100
100 67.2 54.7 82.1



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





#51

4-Methyl-2-Pentanone

Concen: 301.677 ug/l

RT: 10.31 min Scan# 903

Delta R.T. 0.01 min

Lab File: VD062890.D

Acq: 25 Jun 2019 20:14

Instrument :

MSVOA_D

ClientSampleId :

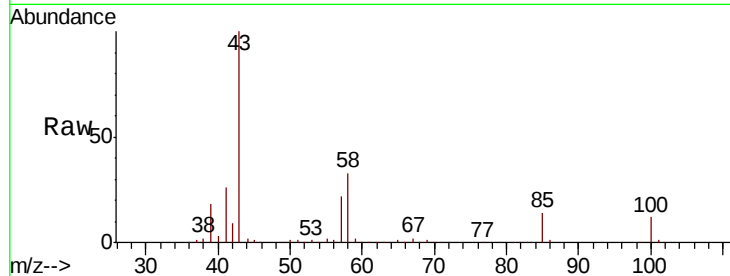
VSTDCCC050EC

Tot Ion: 43 Resp: 1181298

Ion Ratio Lower Upper

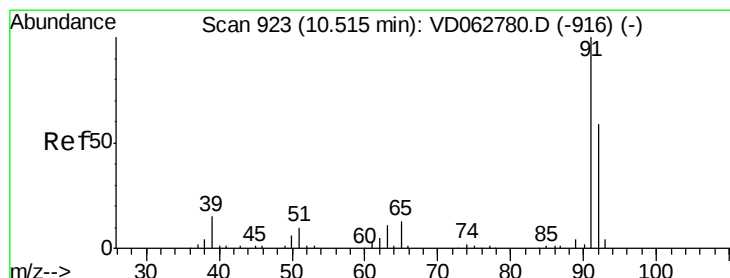
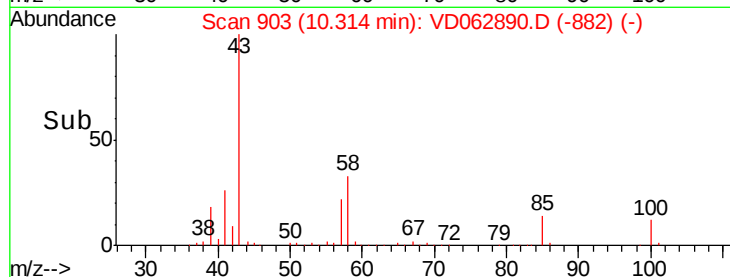
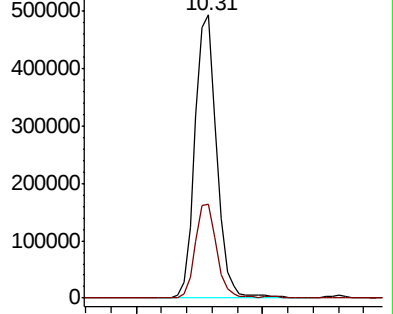
43 100

58 33.1 26.6 40.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 53.268 ug/l

RT: 10.52 min Scan# 924

Delta R.T. 0.01 min

Lab File: VD062890.D

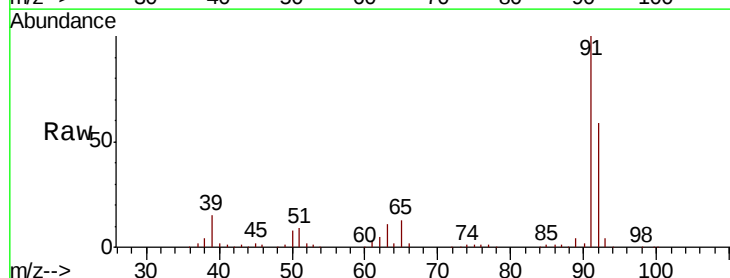
Acq: 25 Jun 2019 20:14

Tgt Ion: 92 Resp: 757189

Ion Ratio Lower Upper

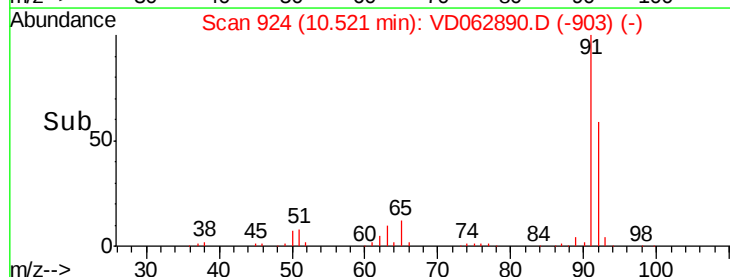
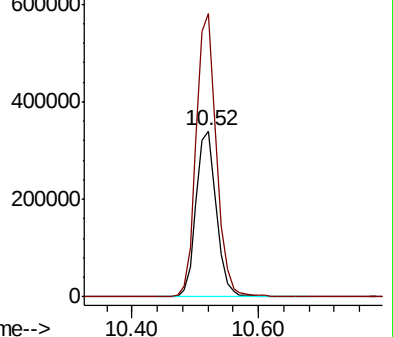
92 100

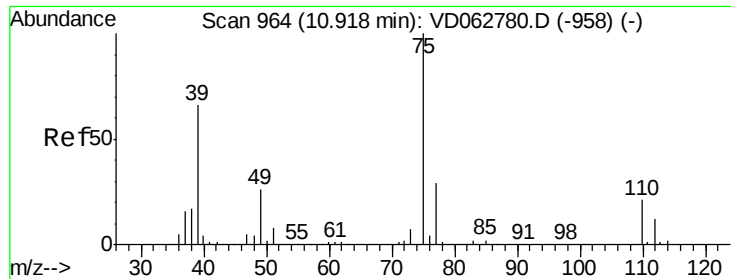
91 170.8 136.3 204.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 57.148 ug/l

RT: 10.92 min Scan# 965

Delta R.T. 0.01 min

Lab File: VD062890.D

Acq: 25 Jun 2019 20:14

Instrument :

MSVOA_D

ClientSampleId :

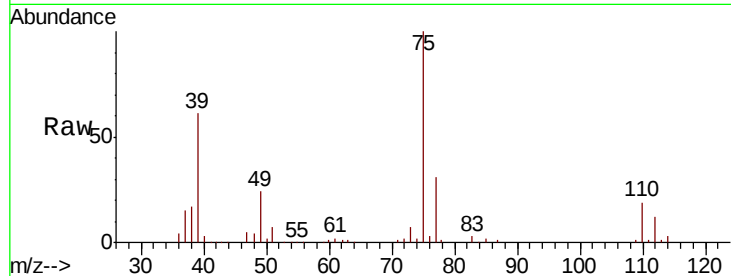
VSTDCCC050EC

Tot Ion: 75 Resp: 548701

Ion Ratio Lower Upper

75 100

77 30.5 23.2 34.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

10.92

250000

200000

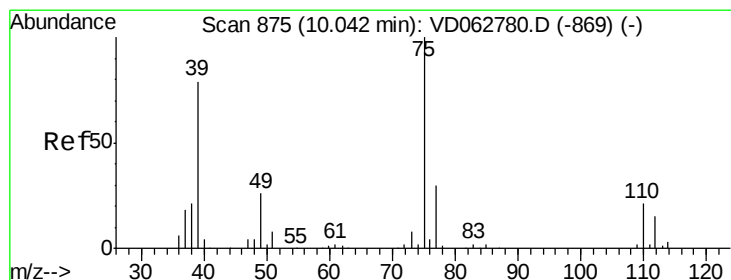
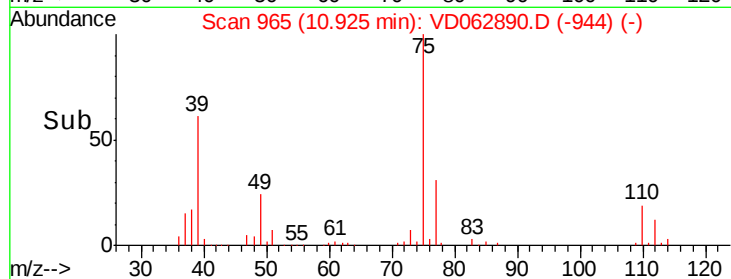
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 54.552 ug/l

RT: 10.05 min Scan# 876

Delta R.T. 0.01 min

Lab File: VD062890.D

Acq: 25 Jun 2019 20:14

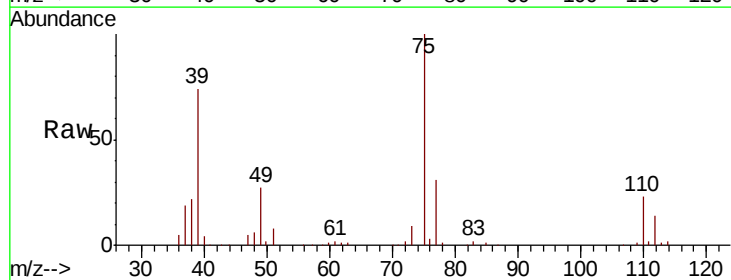
Tgt Ion: 75 Resp: 569303

Ion Ratio Lower Upper

75 100

77 31.1 24.2 36.2

39 74.0 63.5 95.3



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

10.05

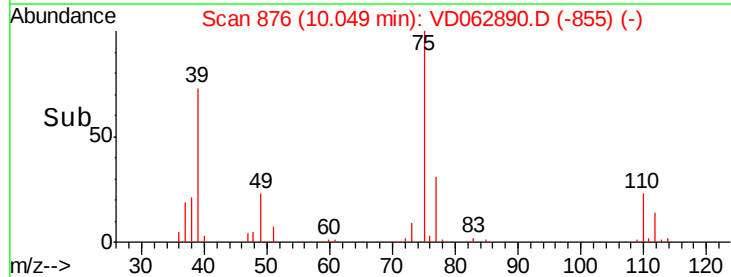
300000

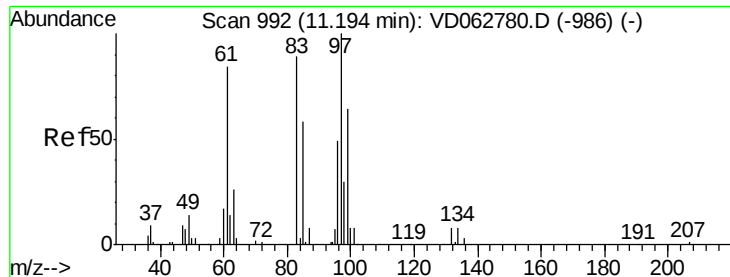
200000

100000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 57.136 ug/l

RT: 11.20 min Scan# 993

Delta R.T. 0.01 min

Lab File: VD062890.D

Acq: 25 Jun 2019 20:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 279033

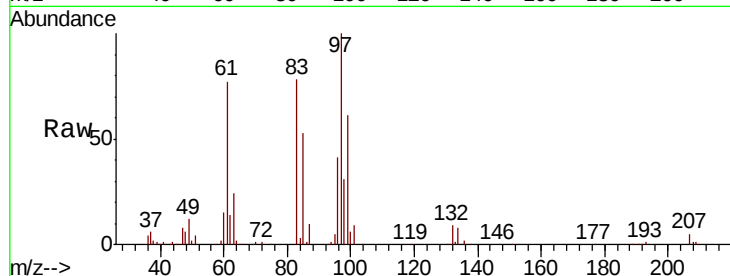
Ion Ratio Lower Upper

97 100

83 77.9 71.0 106.4

85 52.7 46.6 69.8

99 61.4 51.4 77.0

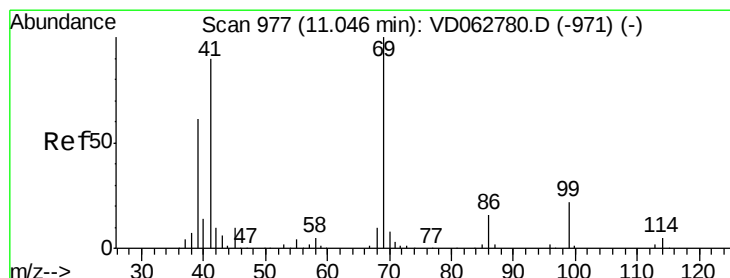
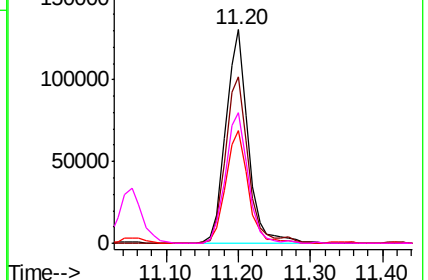
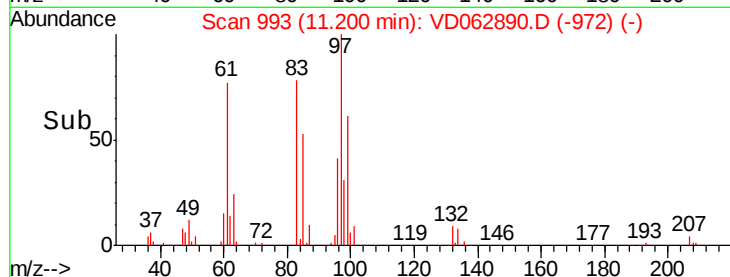


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 60.290 ug/l

RT: 11.05 min Scan# 978

Delta R.T. 0.01 min

Lab File: VD062890.D

Acq: 25 Jun 2019 20:14

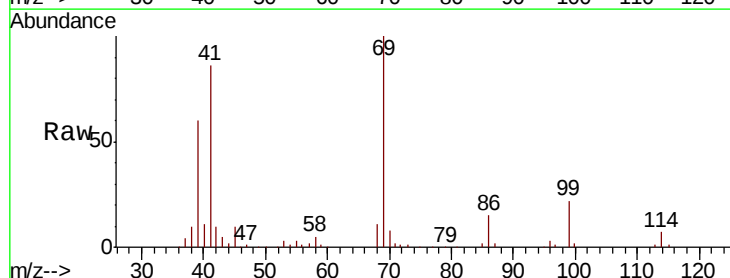
Tgt Ion: 69 Resp: 314658

Ion Ratio Lower Upper

69 100

41 85.9 72.0 108.0

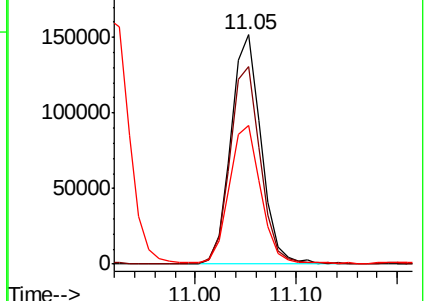
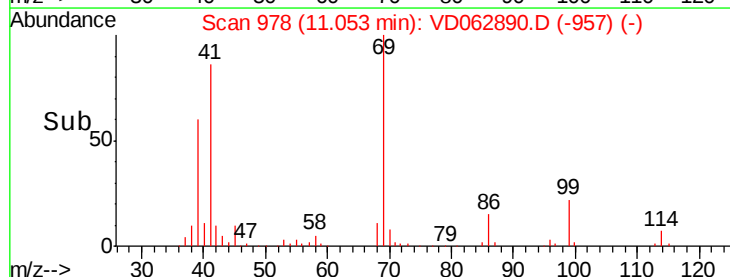
39 60.3 49.5 74.3

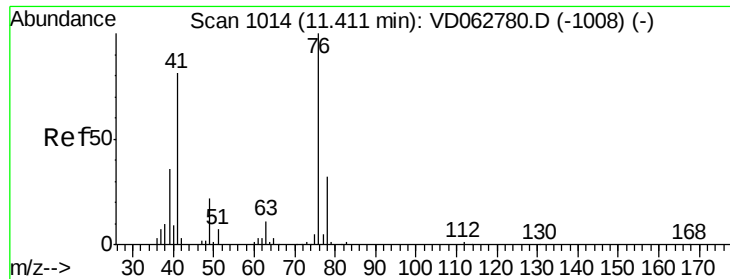


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 55.781 ug/l

RT: 11.42 min Scan# 1015

Delta R.T. 0.01 min

Lab File: VD062890.D

Acq: 25 Jun 2019 20:14

Instrument :

MSVOA_D

ClientSampleId :

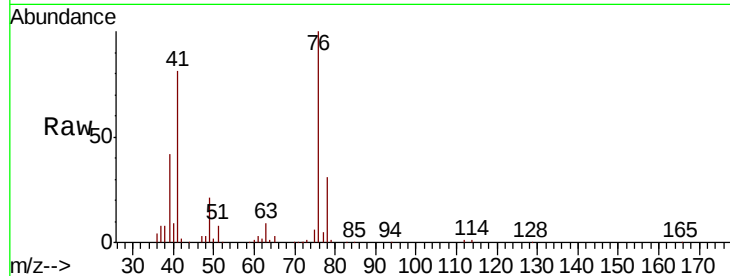
VSTDCCC050EC

Tot Ion: 76 Resp: 417109

Ion Ratio Lower Upper

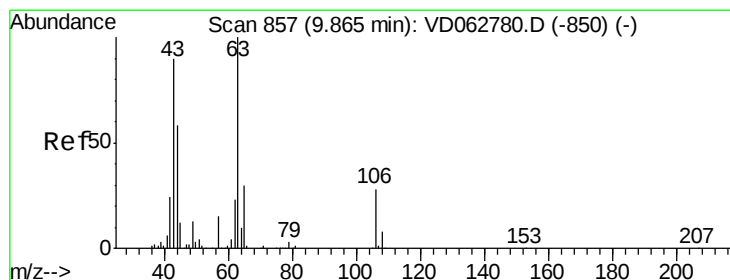
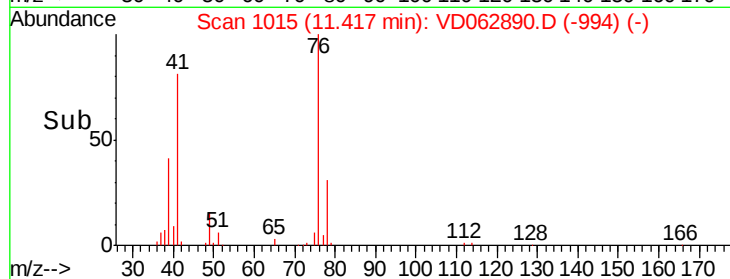
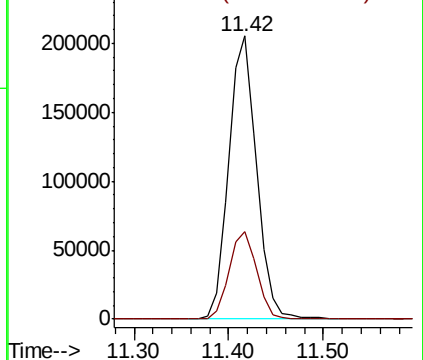
76 100

78 31.0 25.4 38.0



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 298.088 ug/l

RT: 9.86 min Scan# 857

Delta R.T. -0.00 min

Lab File: VD062890.D

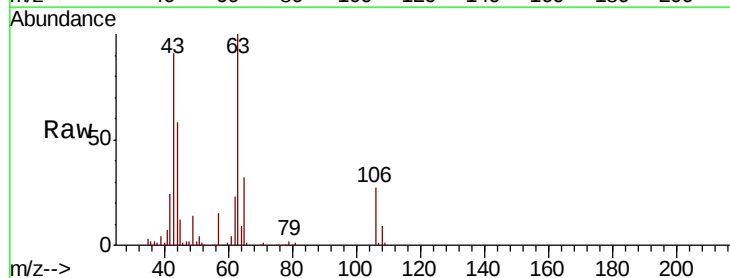
Acq: 25 Jun 2019 20:14

Tgt Ion: 63 Resp: 798693

Ion Ratio Lower Upper

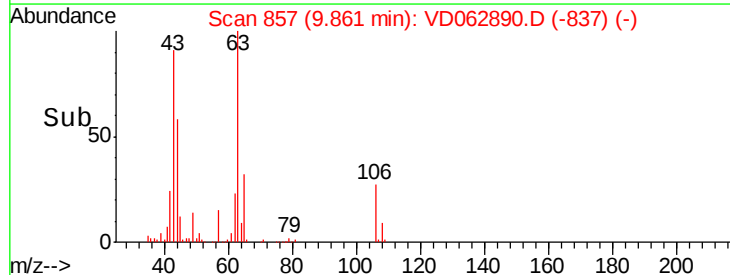
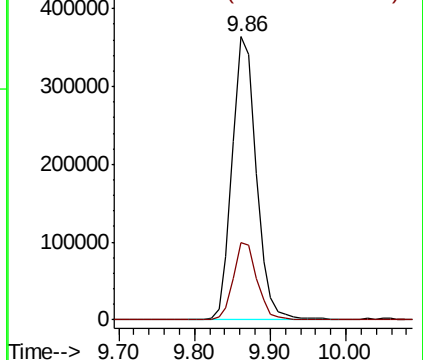
63 100

106 27.4 22.1 33.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

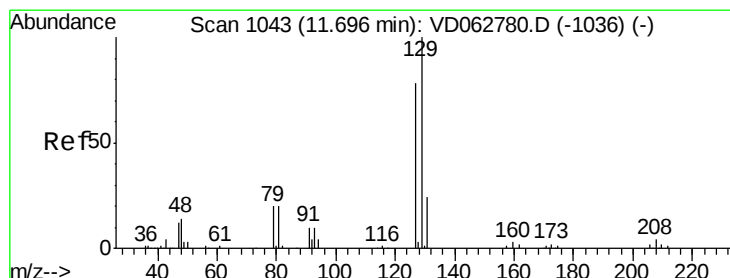
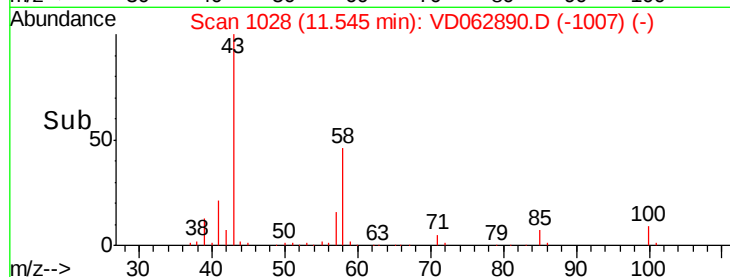
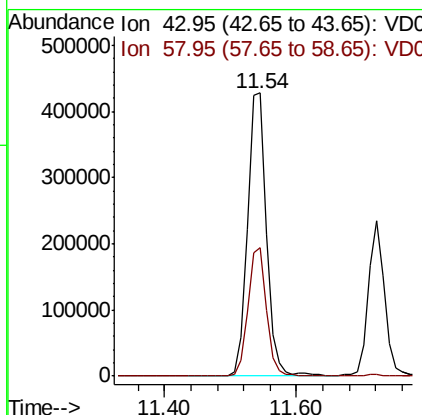
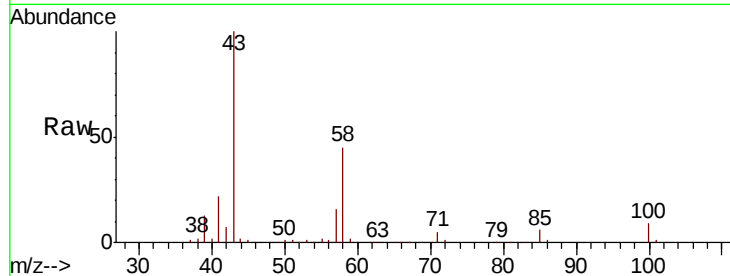




#59
2-Hexanone
Concen: 310.704 ug/l
RT: 11.54 min Scan# 1028
Delta R.T. 0.01 min
Lab File: VD062890.D
Acq: 25 Jun 2019 20:14

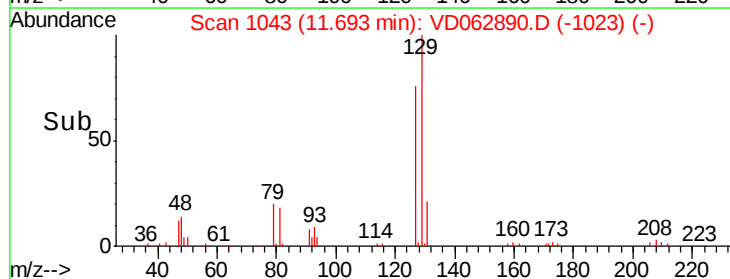
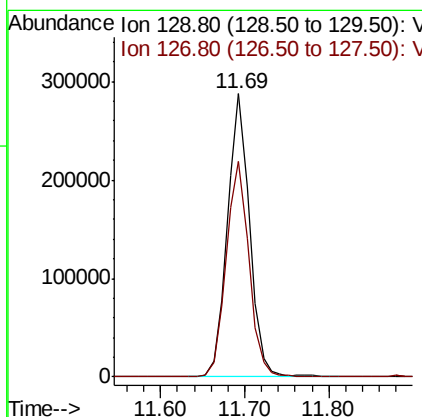
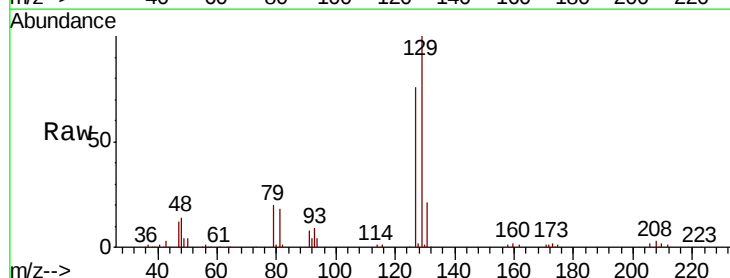
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

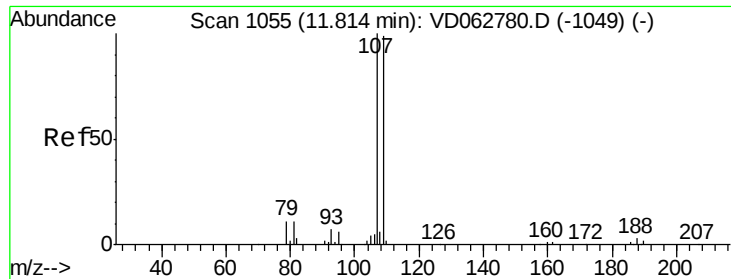
Tot Ion: 43 Resp: 866483
Ion Ratio Lower Upper
43 100
58 45.3 22.4 67.2



#60
Dibromochloromethane
Concen: 57.661 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. -0.00 min
Lab File: VD062890.D
Acq: 25 Jun 2019 20:14

Tgt Ion: 129 Resp: 524511
Ion Ratio Lower Upper
129 100
127 76.2 38.9 116.6

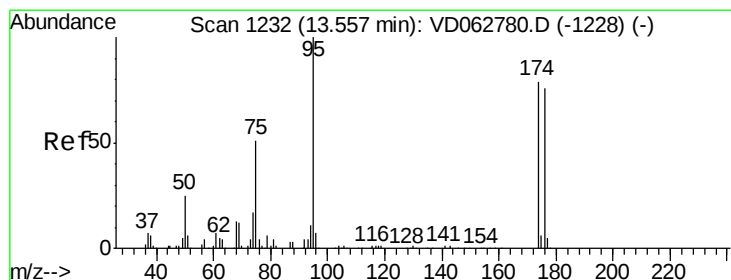
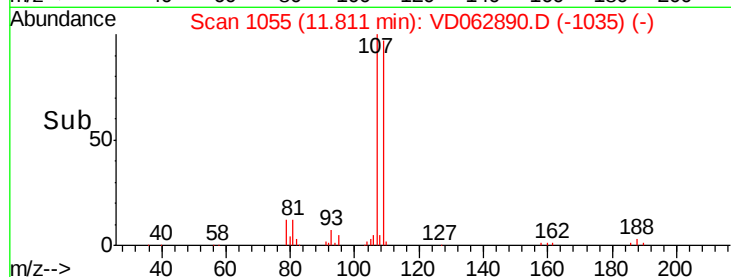
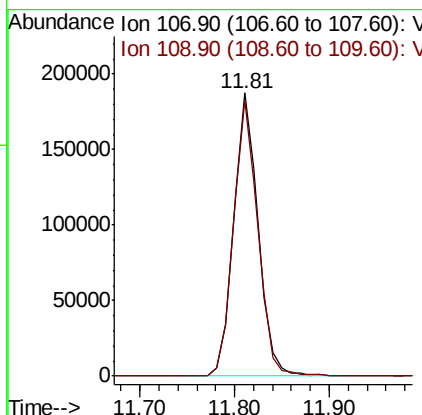
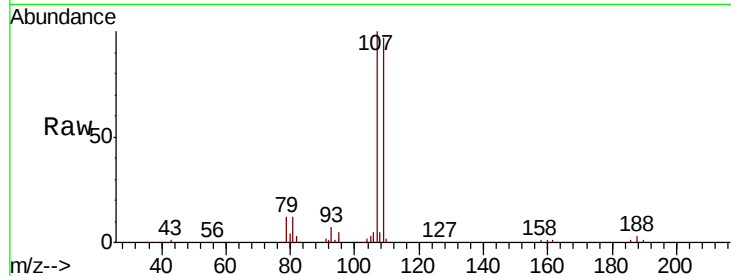




#61
 1,2-Dibromoethane
 Concen: 57.752 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. -0.00 min
 Lab File: VD062890.D
 Acq: 25 Jun 2019 20:14

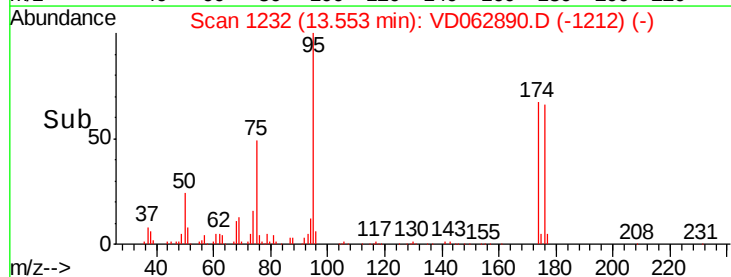
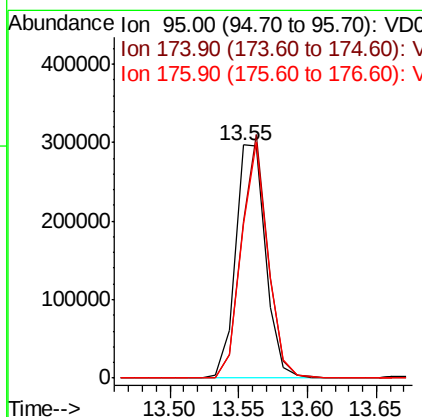
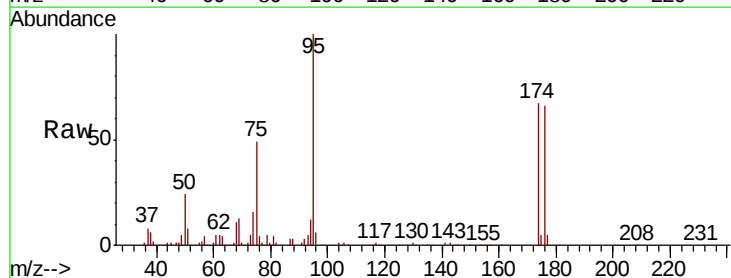
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

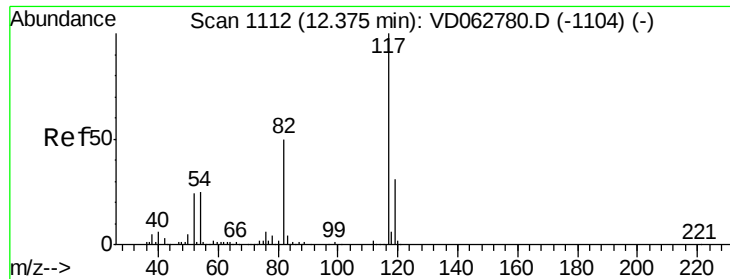
Tot Ion:107 Resp: 333103
 Ion Ratio Lower Upper
 107 100
 109 97.3 79.3 118.9



#62
 4-Bromofluorobenzene
 Concen: 48.693 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VD062890.D
 Acq: 25 Jun 2019 20:14

Tgt Ion: 95 Resp: 452186
 Ion Ratio Lower Upper
 95 100
 174 67.1 0.0 158.0
 176 65.9 0.0 151.6

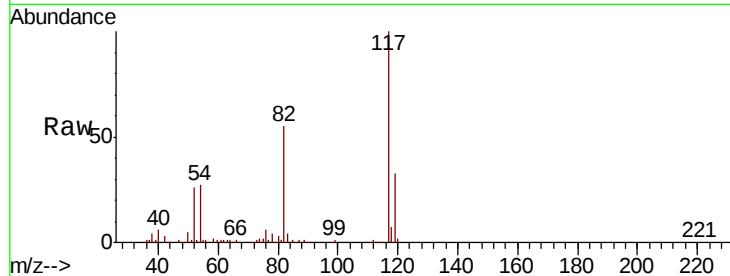




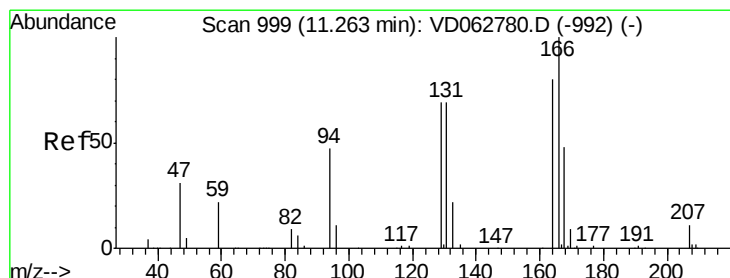
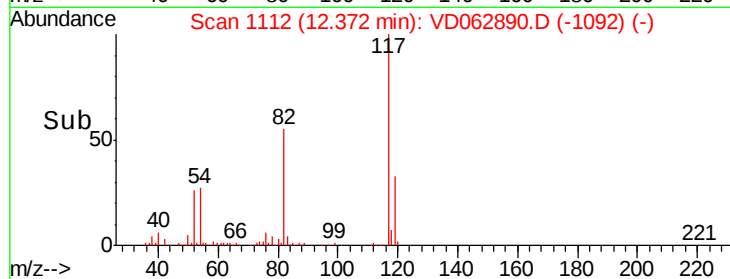
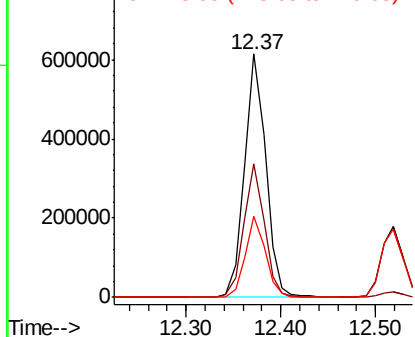
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD062890.D
Acq: 25 Jun 2019 20:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 959111
Ion Ratio Lower Upper
117 100
82 54.7 40.4 60.6
119 33.3 25.2 37.8

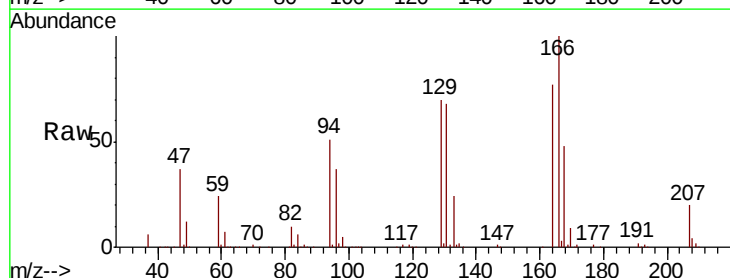


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

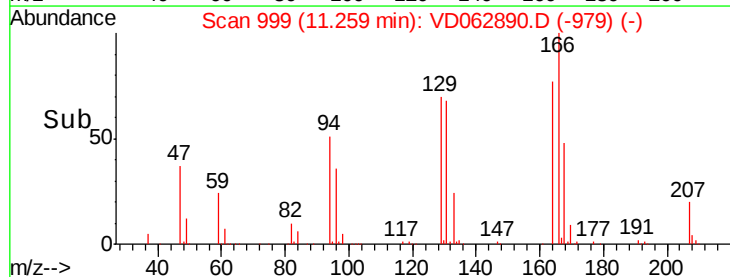
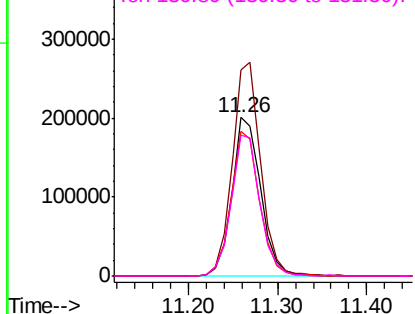


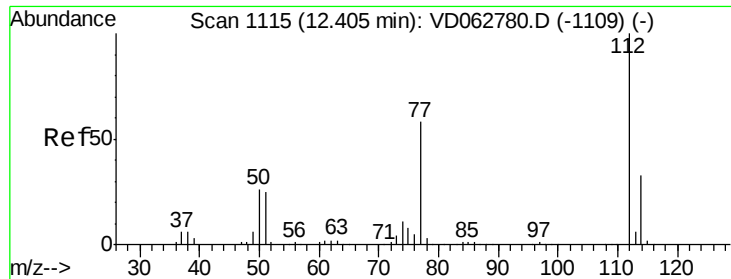
#64
Tetrachloroethene
Concen: 57.105 ug/l
RT: 11.26 min Scan# 999
Delta R.T. -0.00 min
Lab File: VD062890.D
Acq: 25 Jun 2019 20:14

Tgt Ion:164 Resp: 450769
Ion Ratio Lower Upper
164 100
166 130.4 100.6 150.8
129 91.3 69.4 104.0
131 88.8 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

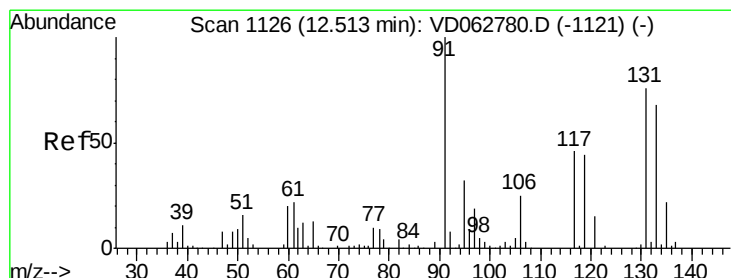
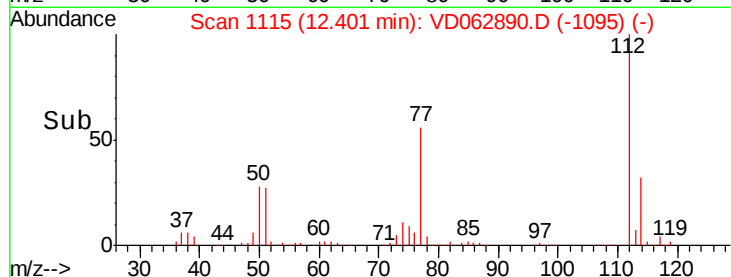
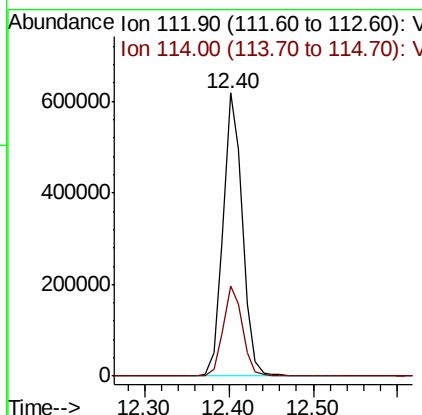
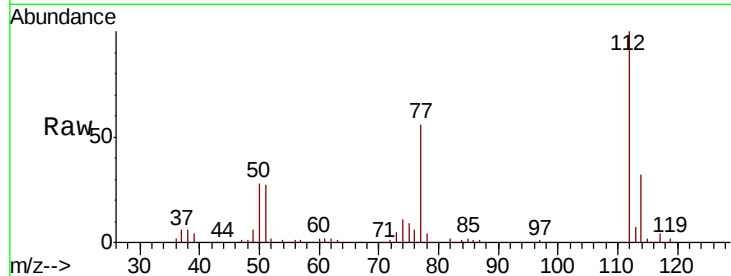




#65
Chlorobenzene
Concen: 55.281 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. -0.00 min
Lab File: VD062890.D
Acq: 25 Jun 2019 20:14

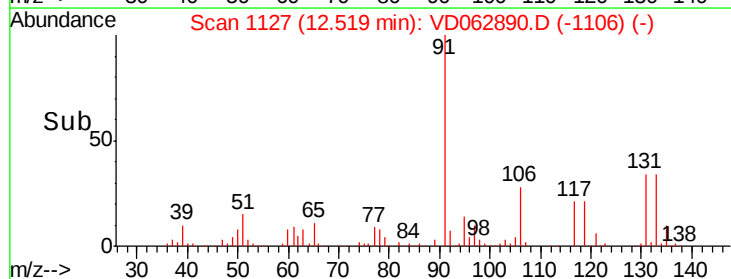
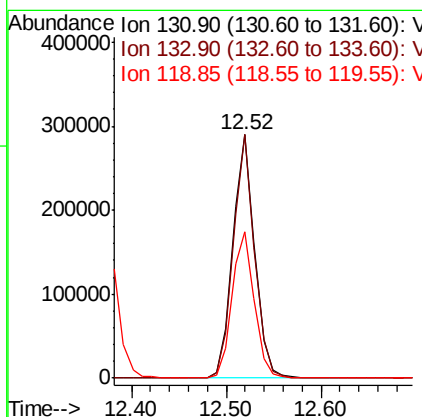
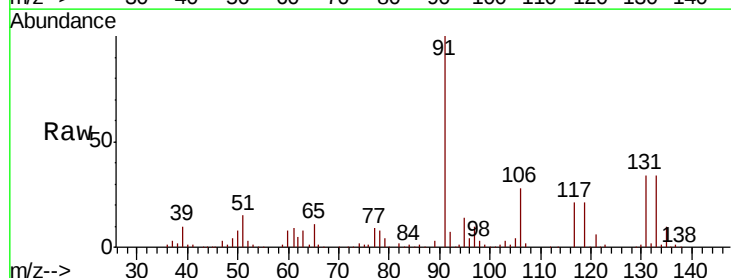
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 984010
Ion Ratio Lower Upper
112 100
114 32.0 26.3 39.5



#66
1,1,1,2-Tetrachloroethane
Concen: 55.687 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD062890.D
Acq: 25 Jun 2019 20:14

Tgt Ion:131 Resp: 463553
Ion Ratio Lower Upper
131 100
133 99.8 44.5 133.3
119 59.9 28.6 85.9

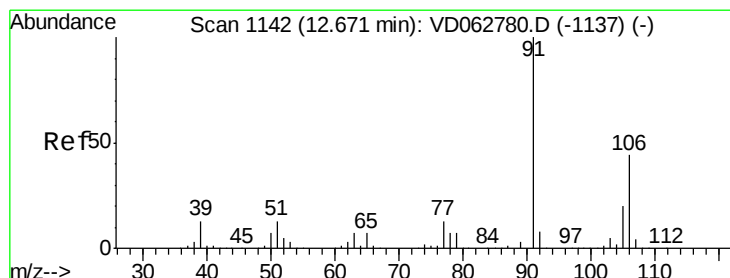
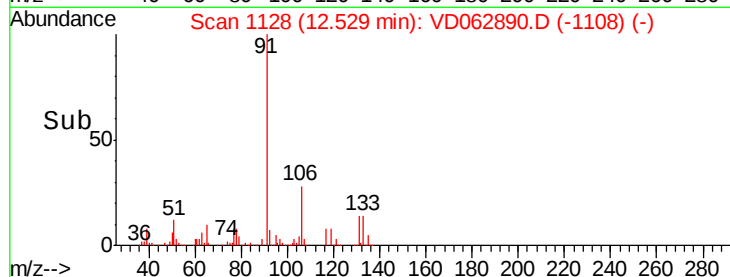
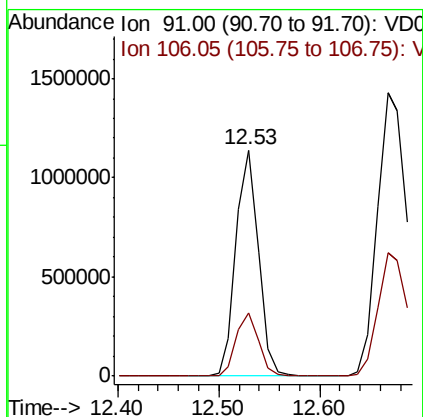
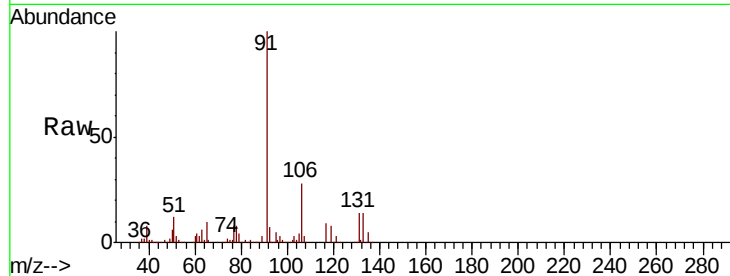




#67
Ethyl Benzene
Concen: 55.350 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VD062890.D
Acq: 25 Jun 2019 20:14

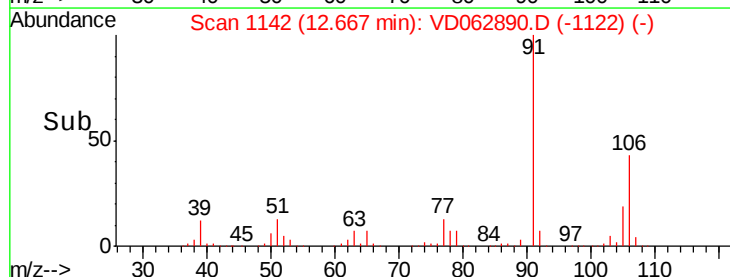
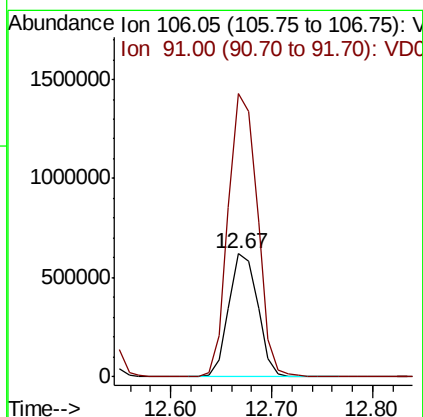
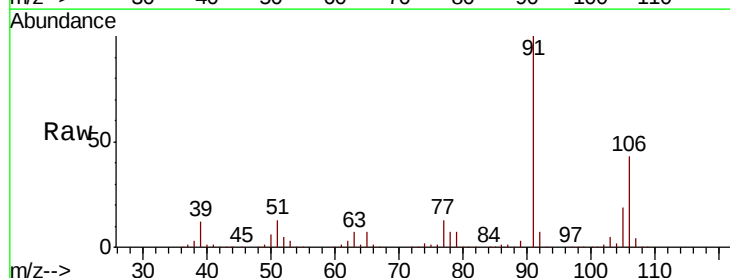
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1768876
Ion Ratio Lower Upper
91 100
106 27.7 23.1 34.7



#68
m/p-Xylenes
Concen: 111.715 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VD062890.D
Acq: 25 Jun 2019 20:14

Tgt Ion: 106 Resp: 1243460
Ion Ratio Lower Upper
106 100
91 230.3 183.0 274.6

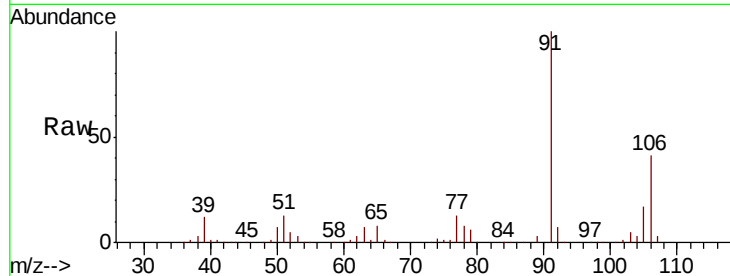




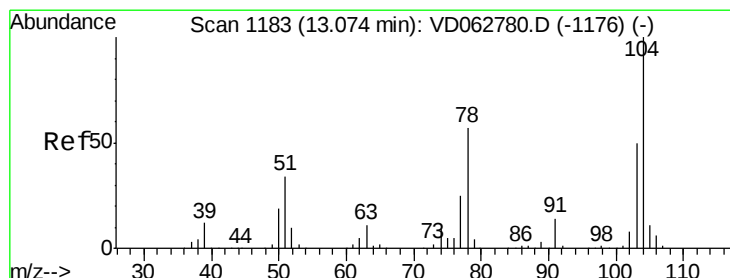
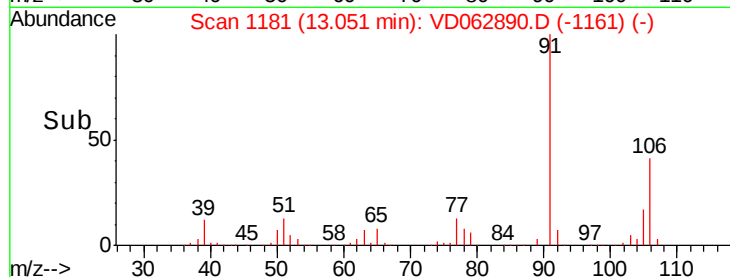
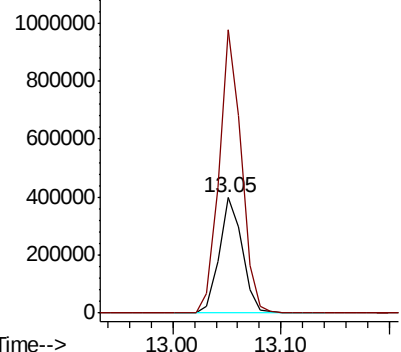
#69
o-Xylene
Concen: 58.014 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD062890.D
Acq: 25 Jun 2019 20:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 590296
Ion Ratio Lower Upper
106 100
91 245.7 117.9 353.6

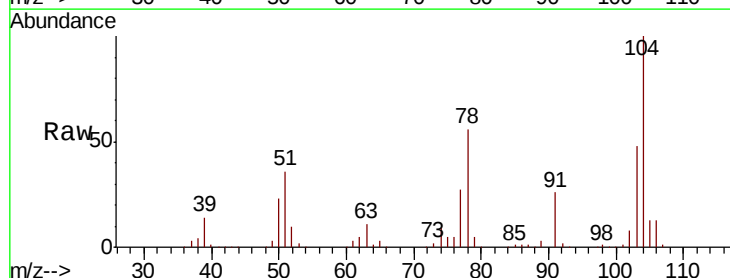


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

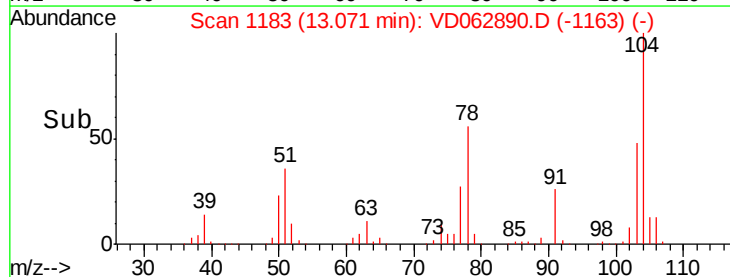
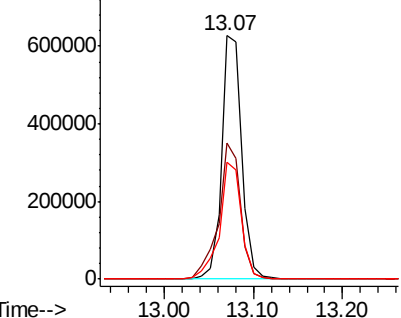


#70
Styrene
Concen: 55.168 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD062890.D
Acq: 25 Jun 2019 20:14

Tgt Ion:104 Resp: 985967
Ion Ratio Lower Upper
104 100
78 55.9 45.4 68.2
103 47.9 39.7 59.5



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

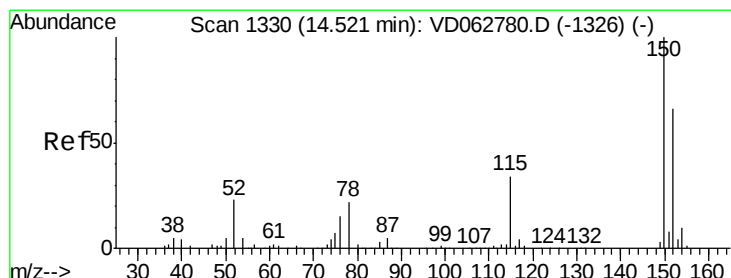
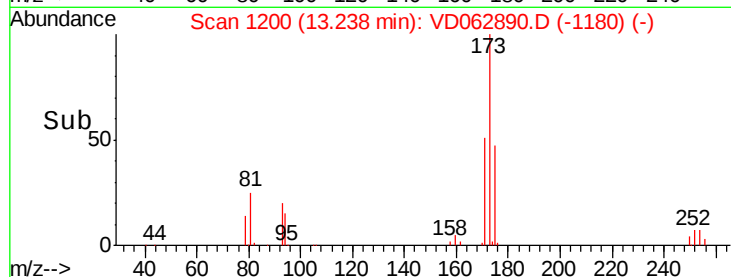
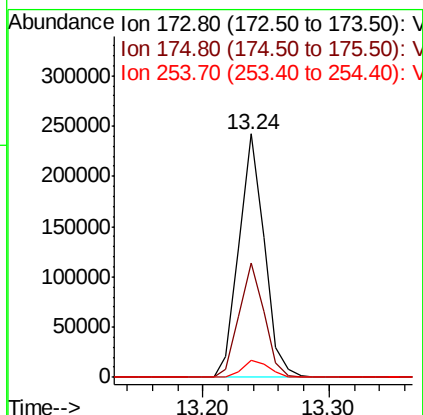
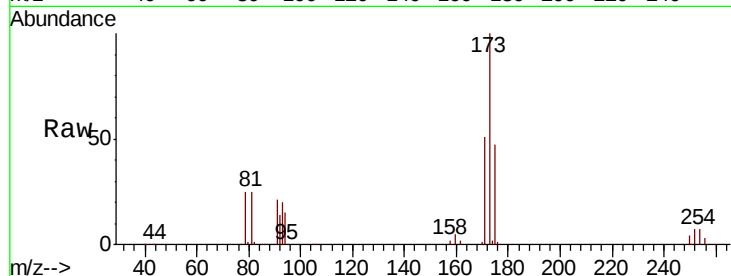




#71
Bromoform
Concen: 59.224 ug/l
RT: 13.24 min Scan# 1200
Delta R.T. -0.00 min
Lab File: VD062890.D
Acq: 25 Jun 2019 20:14

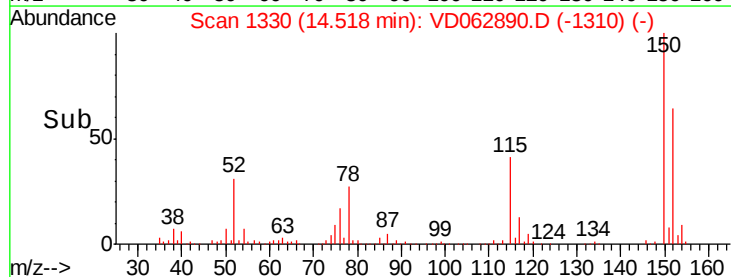
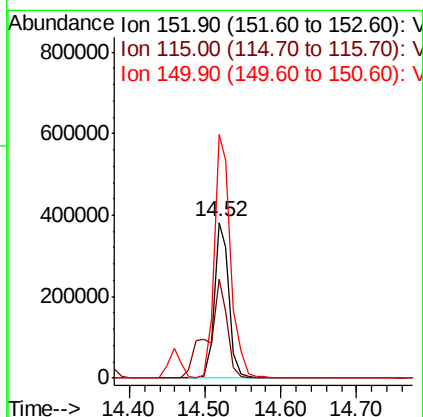
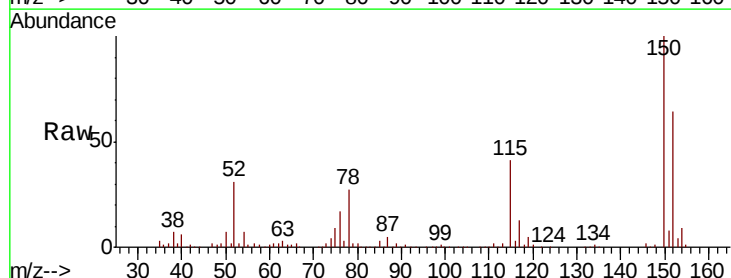
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

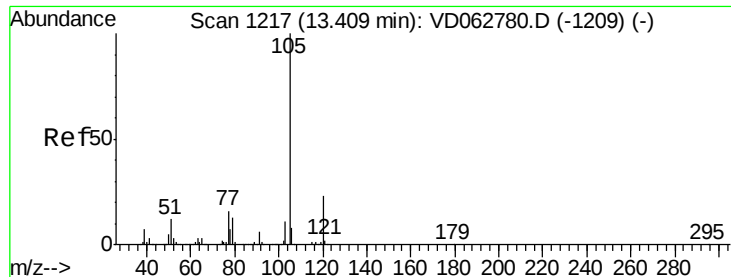
Tot Ion:173 Resp: 337773
Ion Ratio Lower Upper
173 100
175 47.2 25.3 75.9
254 7.2 7.1 10.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD062890.D
Acq: 25 Jun 2019 20:14

Tgt Ion:152 Resp: 517258
Ion Ratio Lower Upper
152 100
115 63.7 29.2 87.6
150 156.5 0.0 305.8





#73

Isopropylbenzene

Concen: 53.607 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VD062890.D

Acq: 25 Jun 2019 20:14

Instrument :

MSVOA_D

ClientSampleId :

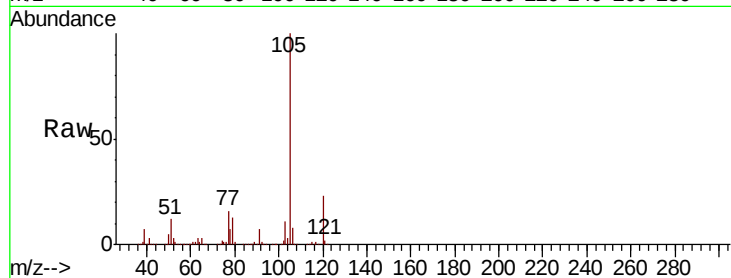
VSTDCCC050EC

Tot Ion:105 Resp: 1777917

Ion Ratio Lower Upper

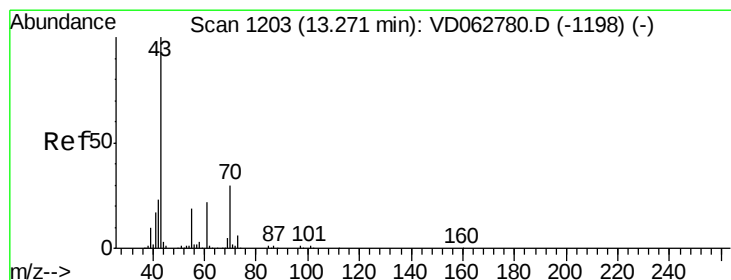
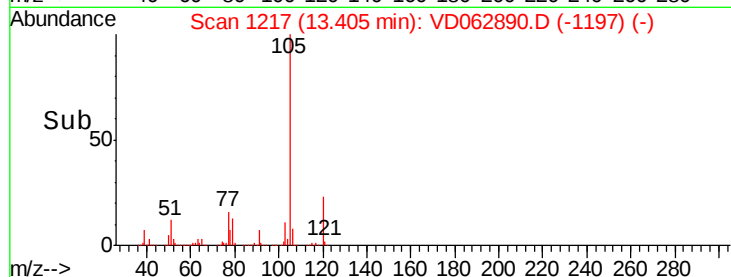
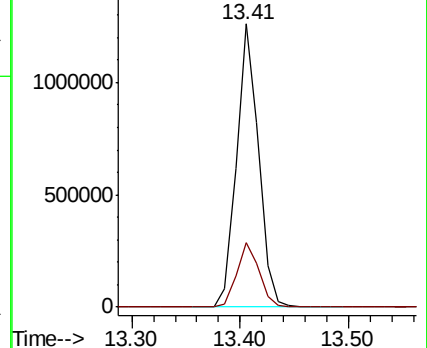
105 100

120 22.7 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: 59.132 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VD062890.D

Acq: 25 Jun 2019 20:14

Tgt Ion: 43 Resp: 476261

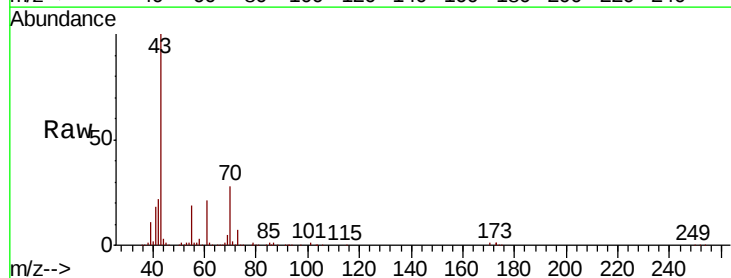
Ion Ratio Lower Upper

43 100

70 27.9 24.4 36.6

55 18.7 15.2 22.8

61 21.4 17.4 26.2

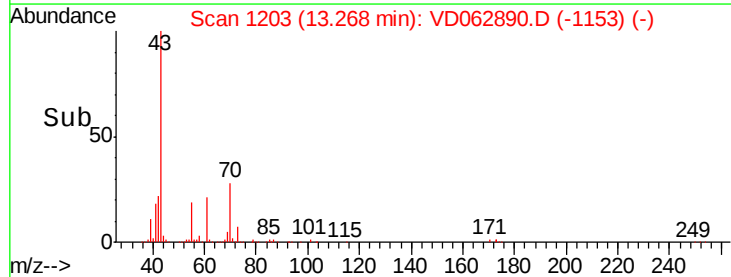
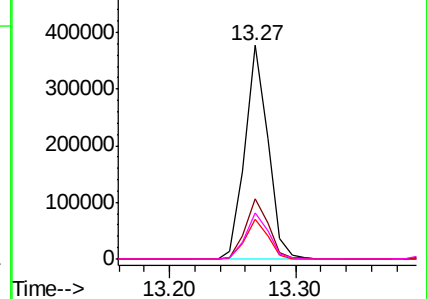


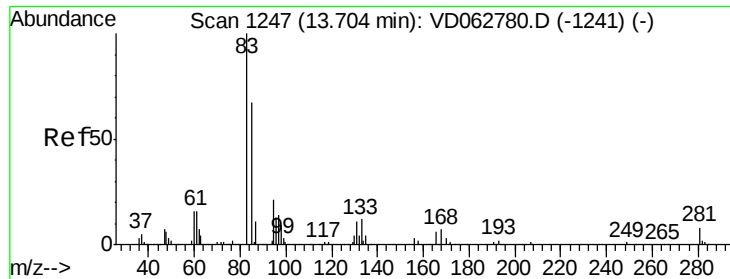
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 56.623 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VD062890.D

Acq: 25 Jun 2019 20:14

Instrument :

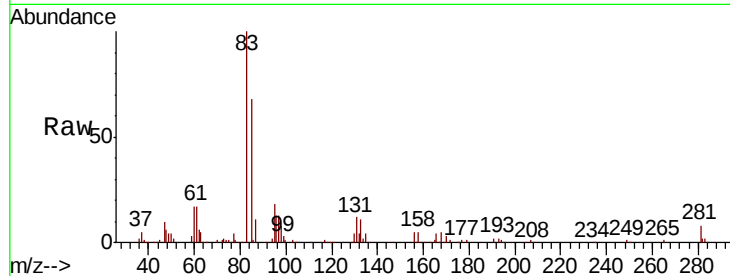
MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 305977

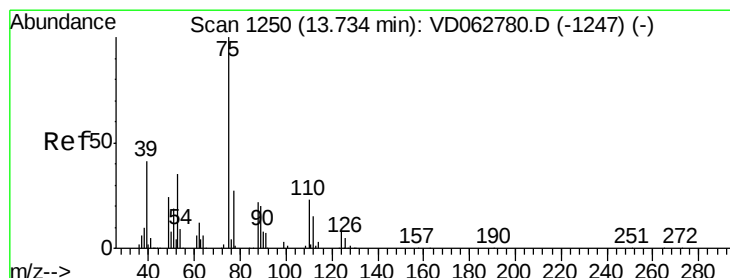
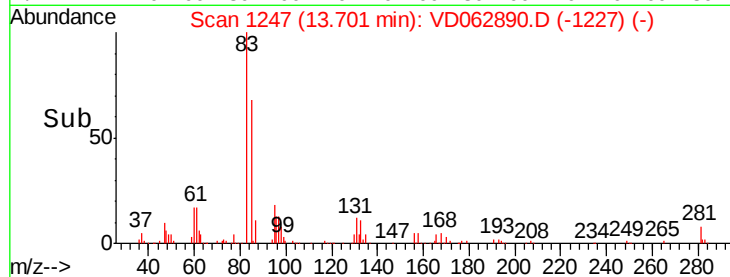
Ion	Ratio	Lower	Upper
83	100		
131	12.1	5.3	16.1
85	68.1	33.7	101.1



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 58.294 ug/l

RT: 13.74 min Scan# 1251

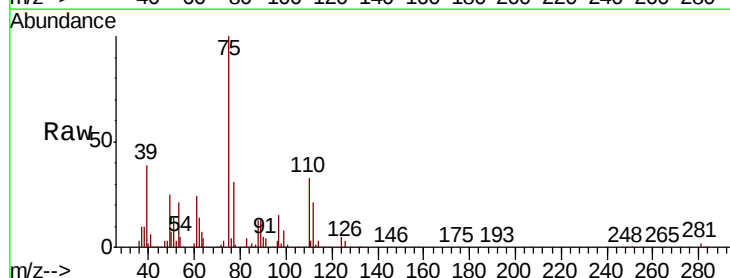
Delta R.T. 0.01 min

Lab File: VD062890.D

Acq: 25 Jun 2019 20:14

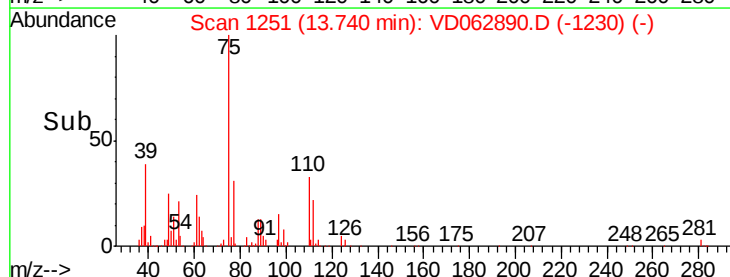
Tgt Ion: 75 Resp: 348093

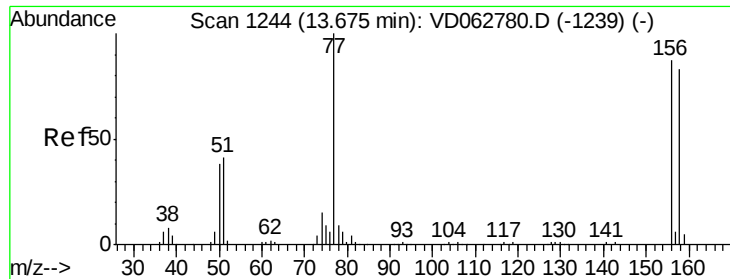
Ion	Ratio	Lower	Upper
75	100		
77	31.2	15.0	45.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 54.843 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. -0.00 min

Lab File: VD062890.D

Acq: 25 Jun 2019 20:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

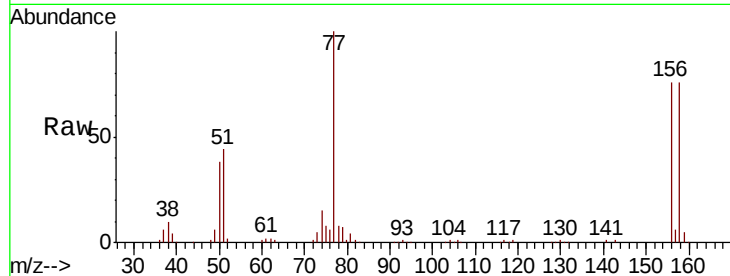
Tot Ion:156 Resp: 489233

Ion Ratio Lower Upper

156 100

77 131.7 57.7 173.1

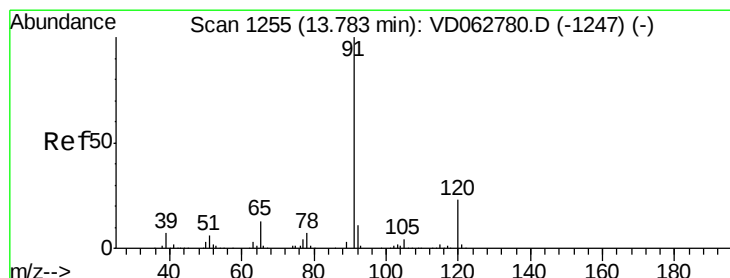
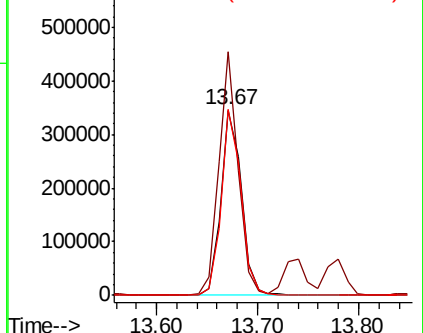
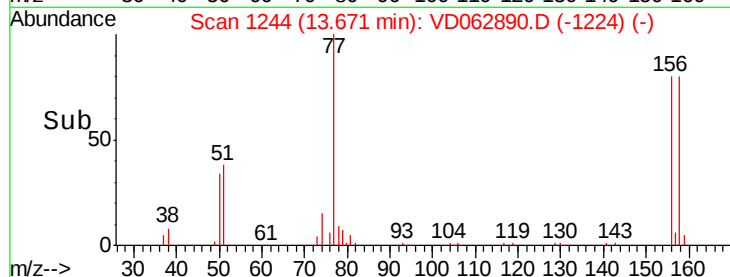
158 100.4 47.7 143.1



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: 56.635 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VD062890.D

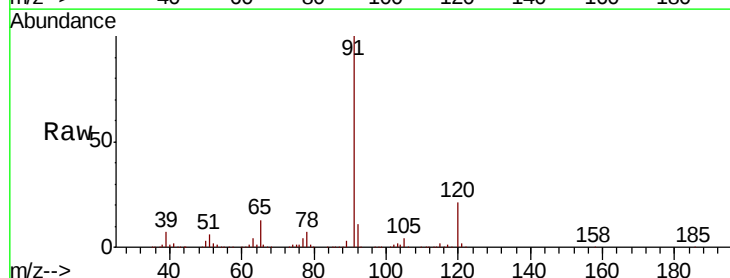
Acq: 25 Jun 2019 20:14

Tgt Ion: 91 Resp: 2186210

Ion Ratio Lower Upper

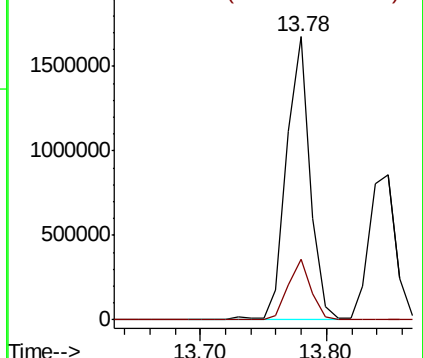
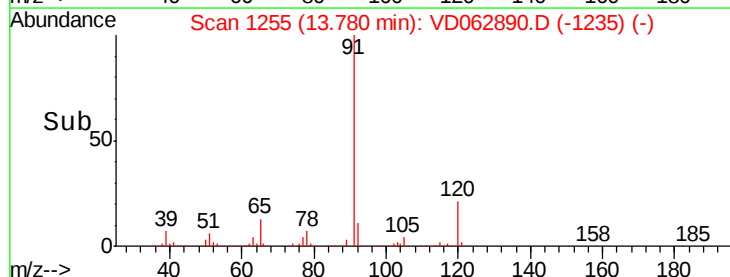
91 100

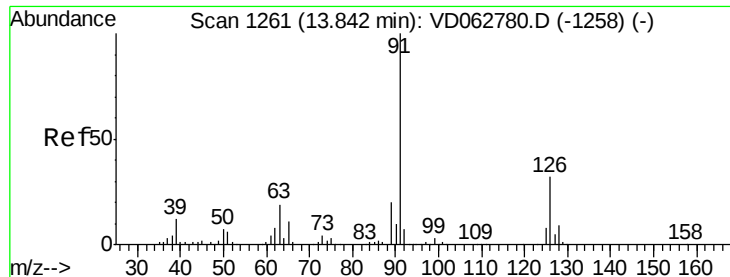
120 21.3 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

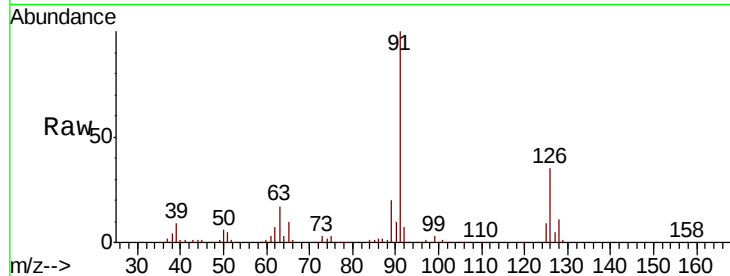




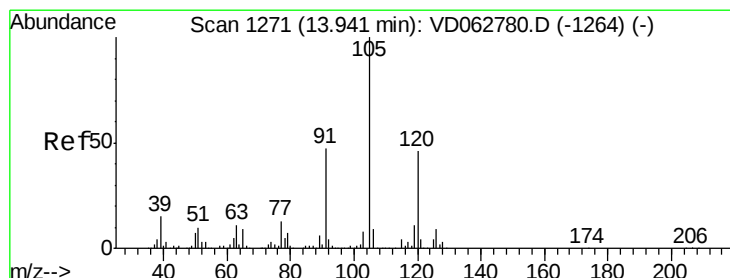
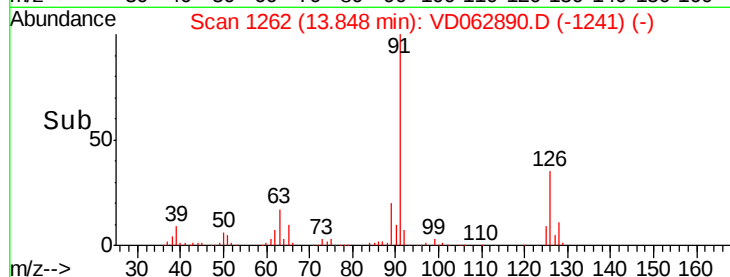
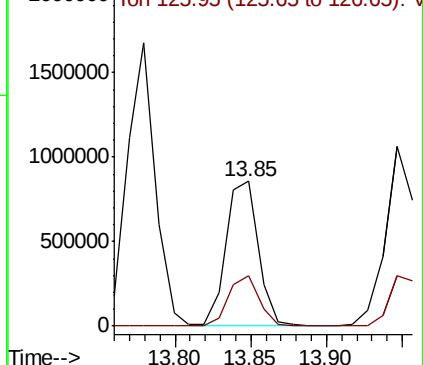
#79
 2-Chlorotoluene
 Concen: 57.741 ug/l
 RT: 13.85 min Scan# 1262
 Delta R.T. 0.01 min
 Lab File: VD062890.D
 Acq: 25 Jun 2019 20:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 1273768
 Ion Ratio Lower Upper
 91 100
 126 34.9 15.7 47.1

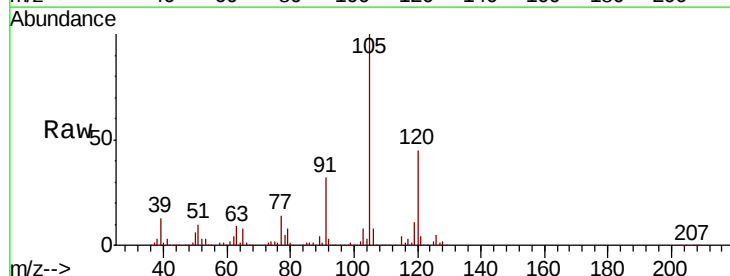


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

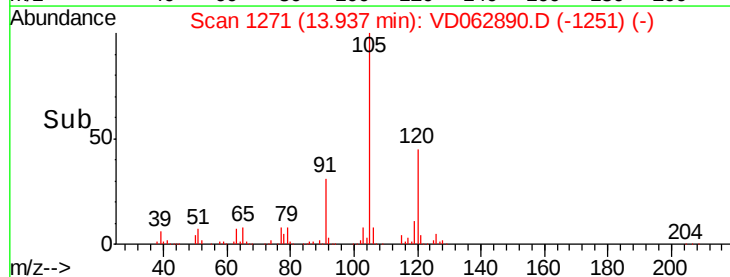
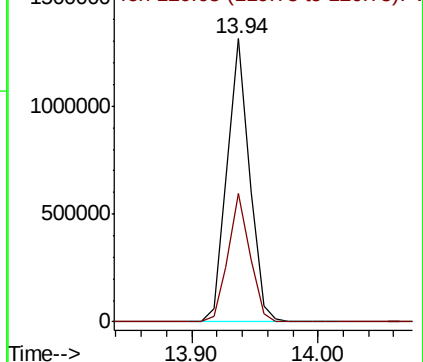


#80
 1,3,5-Trimethylbenzene
 Concen: 57.585 ug/l
 RT: 13.94 min Scan# 1271
 Delta R.T. -0.00 min
 Lab File: VD062890.D
 Acq: 25 Jun 2019 20:14

Tgt Ion: 105 Resp: 1604197
 Ion Ratio Lower Upper
 105 100
 120 45.4 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: 57.379 ug/l

RT: 13.47 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VD062890.D

Acq: 25 Jun 2019 20:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

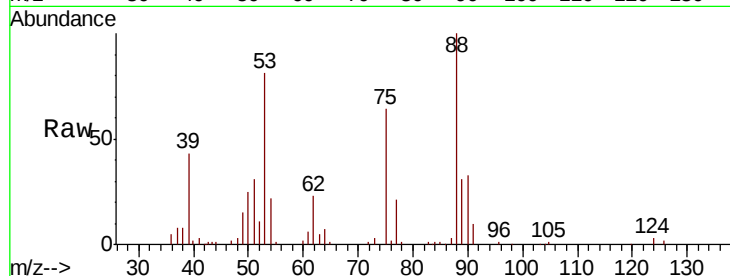
Tot Ion: 75 Resp: 89798

Ion Ratio Lower Upper

75 100

53 125.5 97.8 146.8

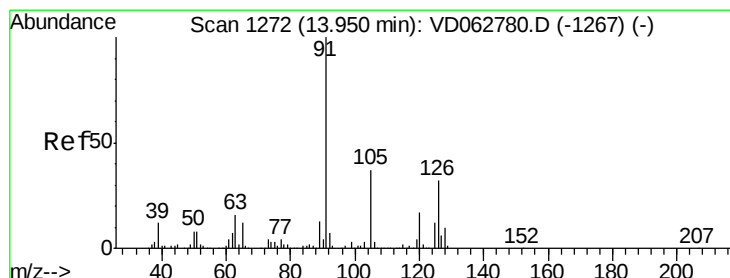
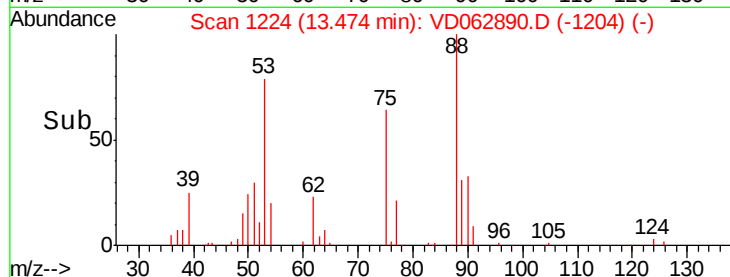
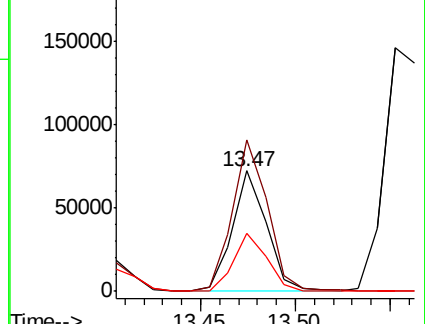
89 47.6 39.4 59.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 55.959 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VD062890.D

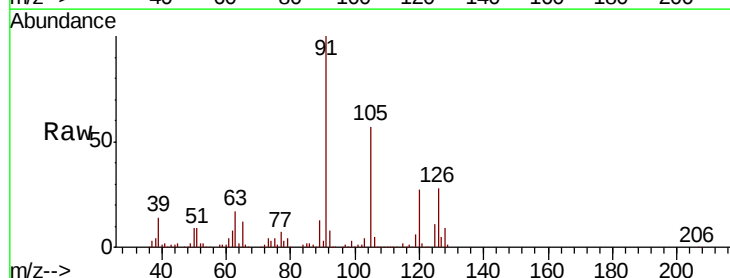
Acq: 25 Jun 2019 20:14

Tgt Ion: 91 Resp: 1486171

Ion Ratio Lower Upper

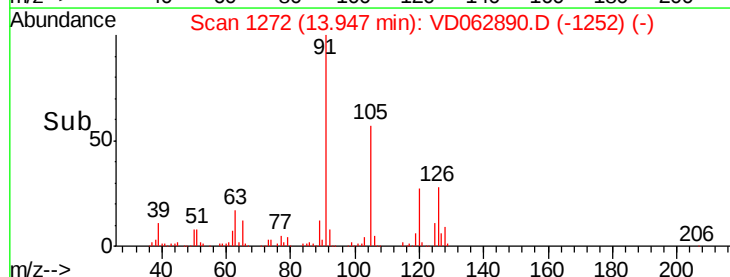
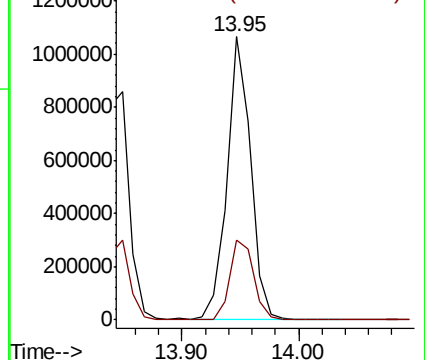
91 100

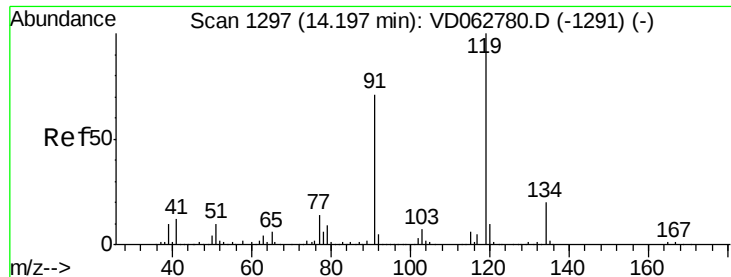
126 28.3 16.0 47.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

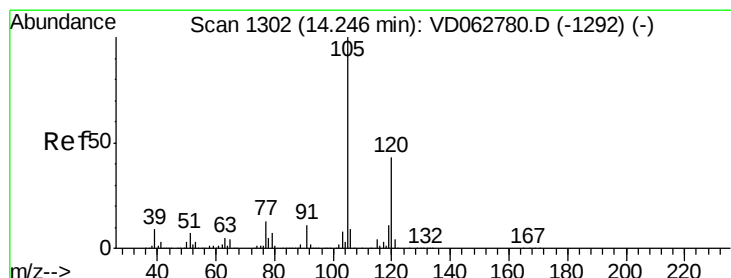
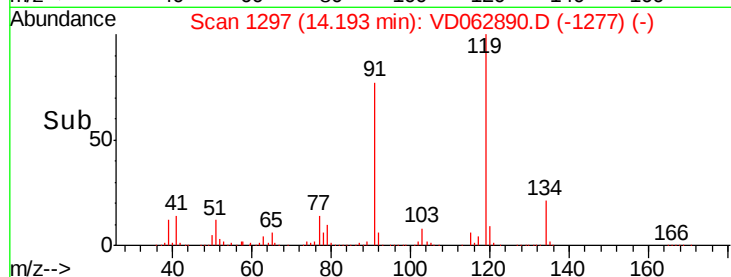
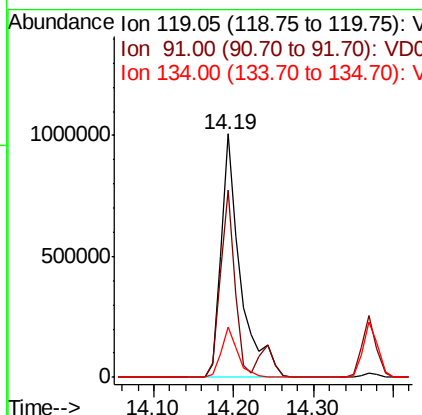
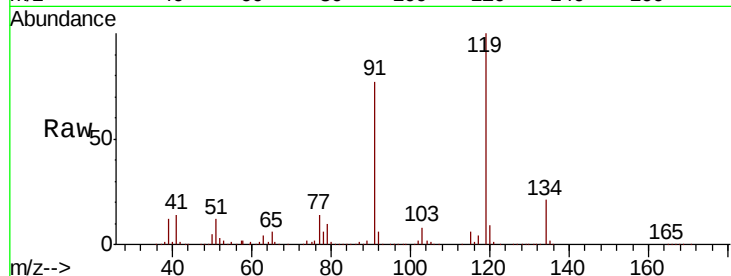




#83
 tert-Butylbenzene
 Concen: 55.420 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. -0.00 min
 Lab File: VD062890.D
 Acq: 25 Jun 2019 20:14

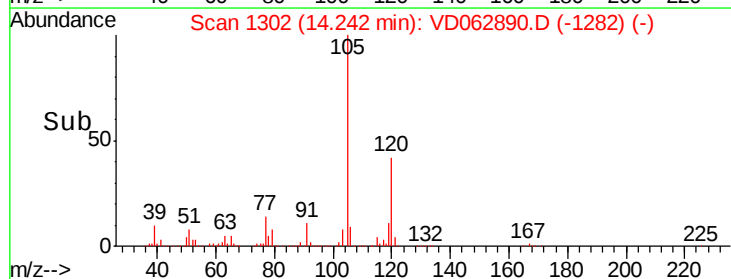
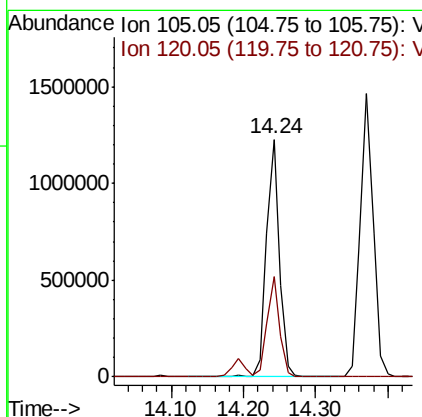
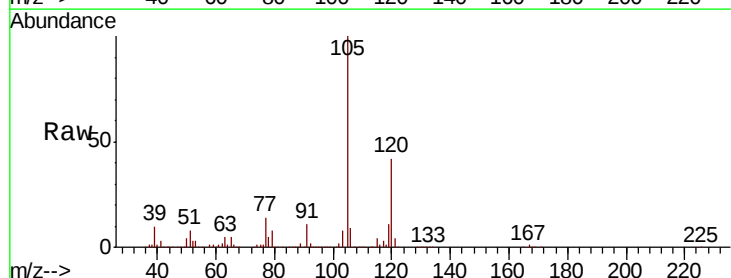
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

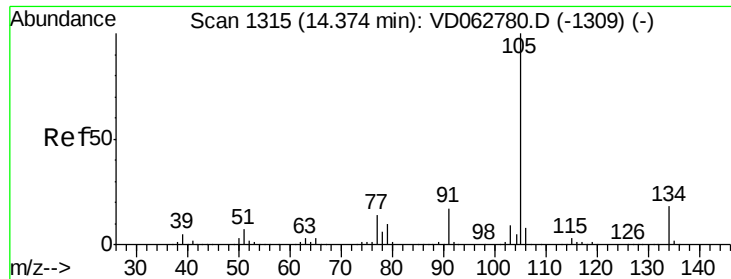
Tot Ion:119 Resp: 1720893
 Ion Ratio Lower Upper
 119 100
 91 77.1 35.5 106.5
 134 20.7 10.2 30.6



#84
 1,2,4-Trimethylbenzene
 Concen: 54.360 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. -0.00 min
 Lab File: VD062890.D
 Acq: 25 Jun 2019 20:14

Tgt Ion:105 Resp: 1552154
 Ion Ratio Lower Upper
 105 100
 120 42.0 21.3 63.9

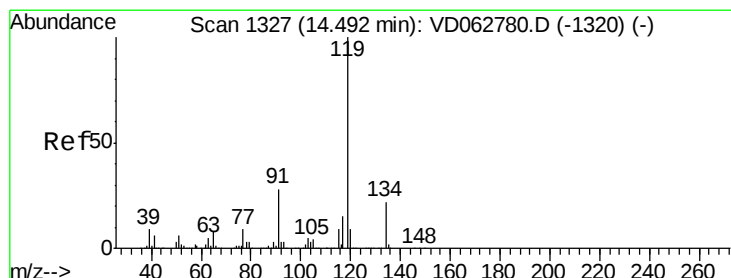
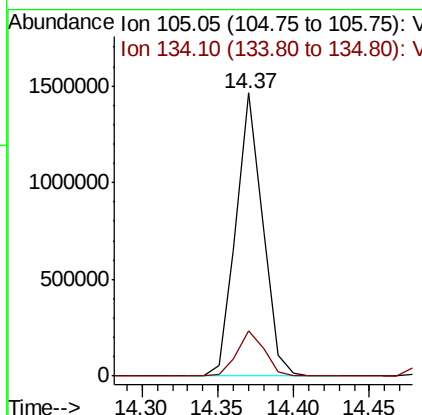
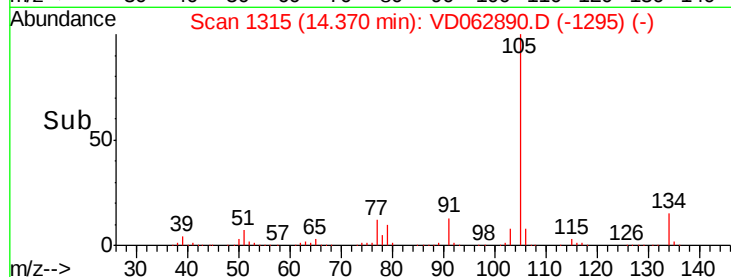
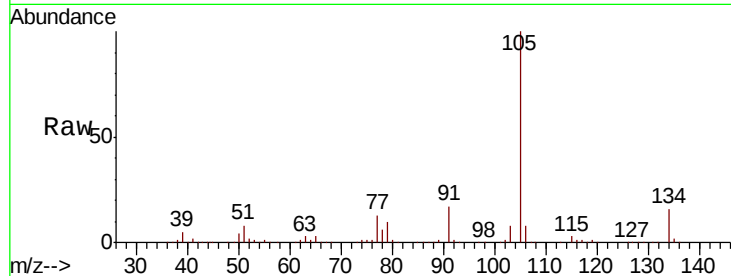




#85
 sec-Butylbenzene
 Concen: 53.104 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VD062890.D
 Acq: 25 Jun 2019 20:14

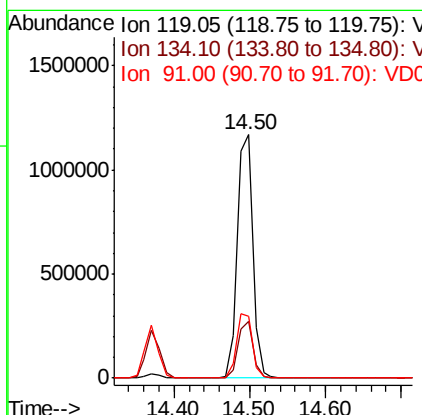
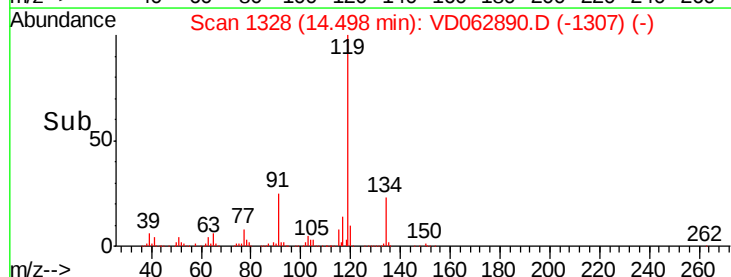
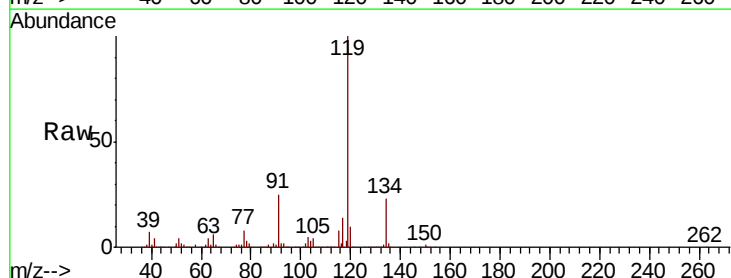
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:105 Resp: 1792219
 Ion Ratio Lower Upper
 105 100
 134 15.8 9.1 27.3



#86
 p-Isopropyltoluene
 Concen: 52.937 ug/l
 RT: 14.50 min Scan# 1328
 Delta R.T. 0.01 min
 Lab File: VD062890.D
 Acq: 25 Jun 2019 20:14

Tgt Ion:119 Resp: 1634444
 Ion Ratio Lower Upper
 119 100
 134 23.2 11.1 33.1
 91 25.3 14.0 41.9

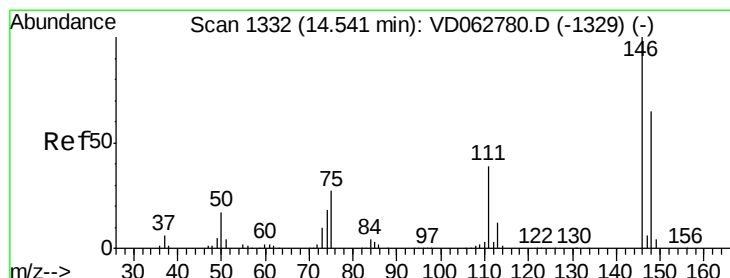
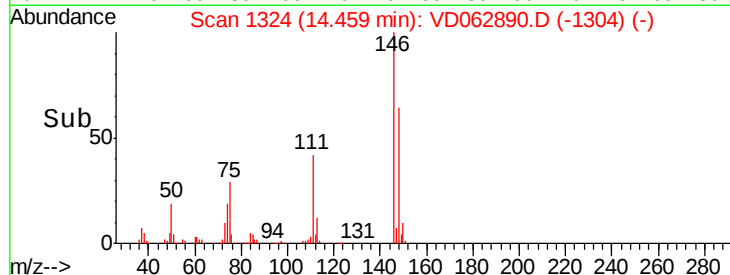
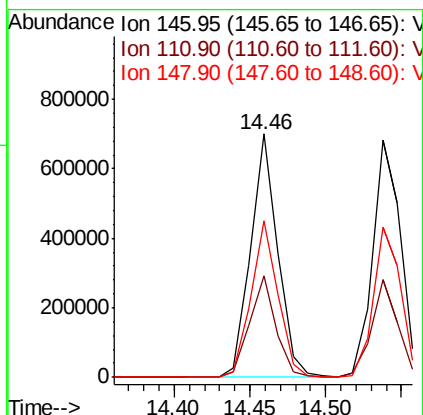
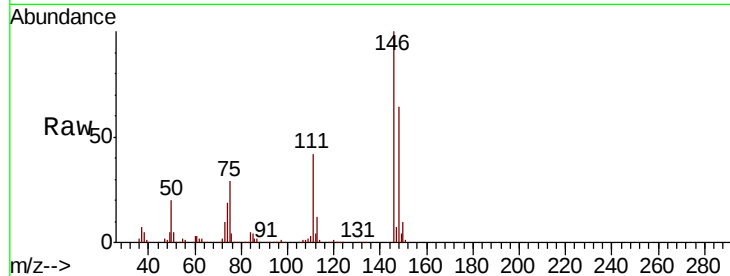




#87
 1,3-Dichlorobenzene
 Concen: 54.577 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VD062890.D
 Acq: 25 Jun 2019 20:14

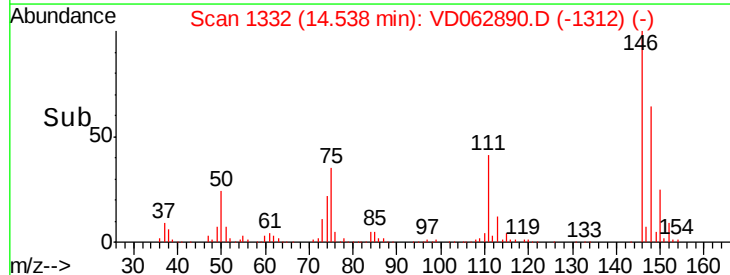
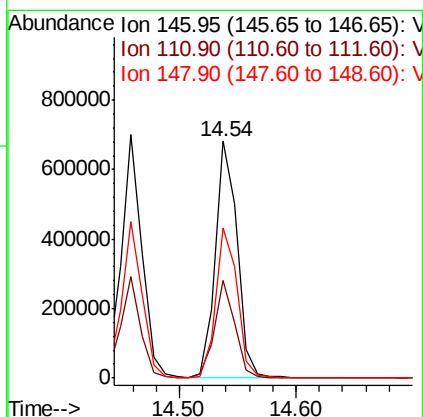
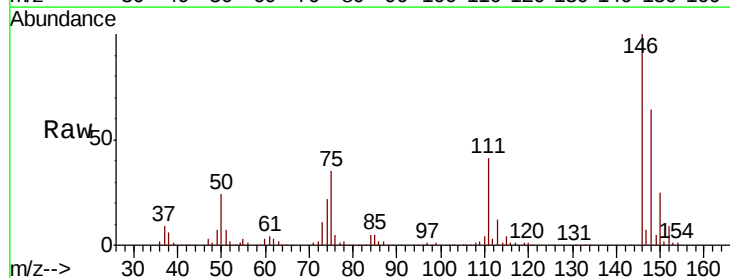
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

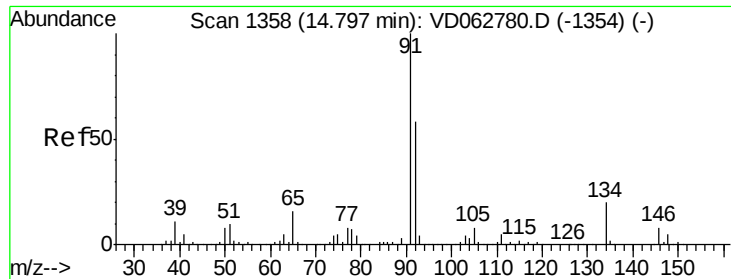
Tot Ion:146 Resp: 872727
 Ion Ratio Lower Upper
 146 100
 111 41.8 19.0 57.0
 148 64.2 30.8 92.3



#88
 1,4-Dichlorobenzene
 Concen: 55.052 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: VD062890.D
 Acq: 25 Jun 2019 20:14

Tgt Ion:146 Resp: 884201
 Ion Ratio Lower Upper
 146 100
 111 41.4 19.7 59.1
 148 63.6 32.8 98.3

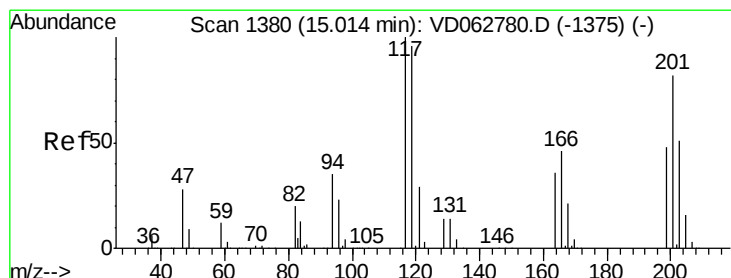
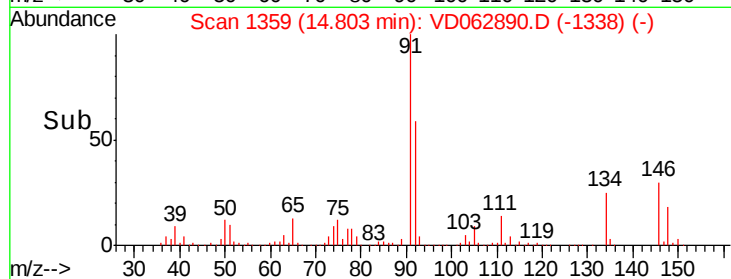
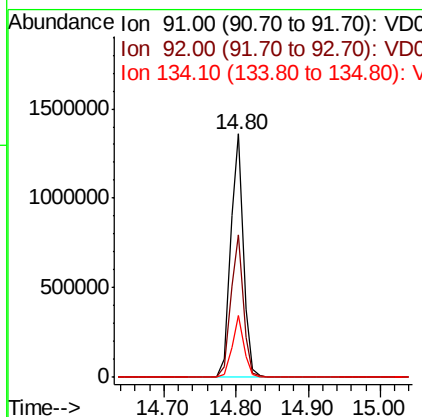
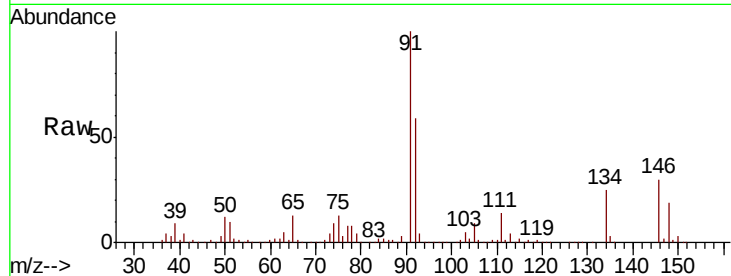




#89
n-Butylbenzene
Concen: 57.553 ug/l
RT: 14.80 min Scan# 1359
Delta R.T. 0.01 min
Lab File: VD062890.D
Acq: 25 Jun 2019 20:14

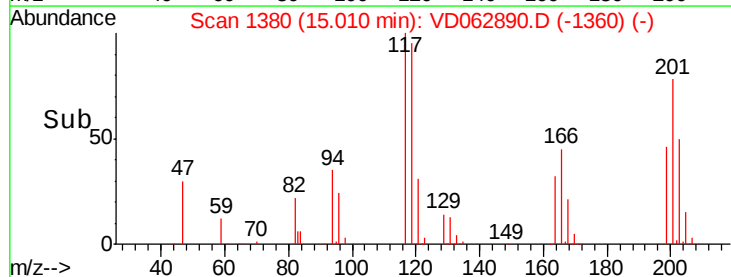
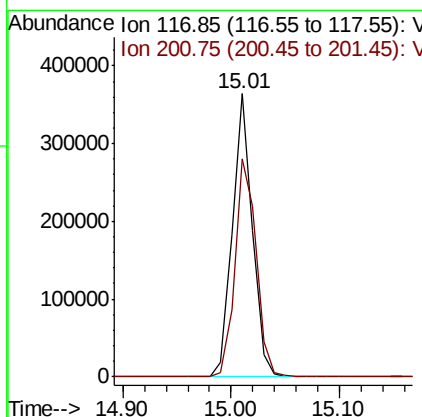
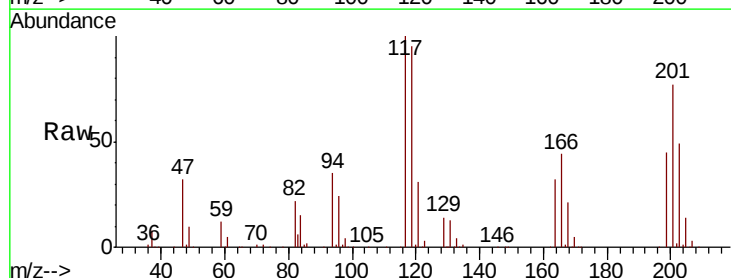
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

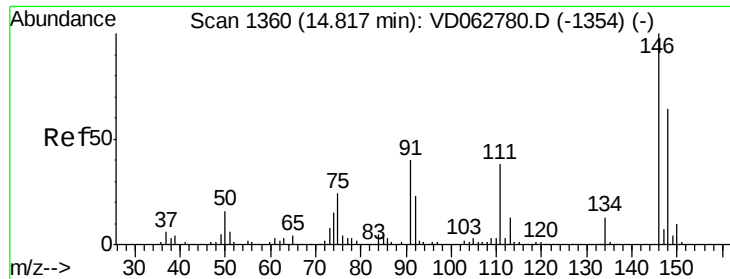
Tot Ion: 91 Resp: 1663171
Ion Ratio Lower Upper
91 100
92 58.8 28.9 86.7
134 25.4 10.1 30.3



#90
Hexachloroethane
Concen: 56.324 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. -0.00 min
Lab File: VD062890.D
Acq: 25 Jun 2019 20:14

Tgt Ion: 117 Resp: 467570
Ion Ratio Lower Upper
117 100
201 77.1 40.8 122.2

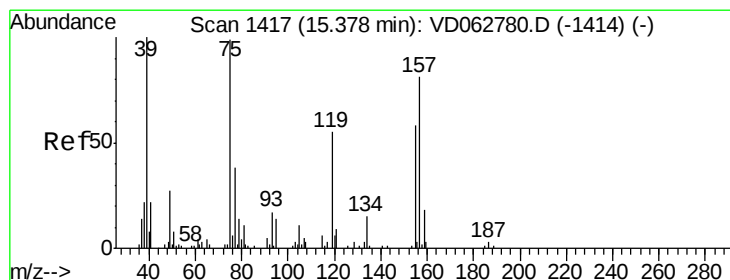
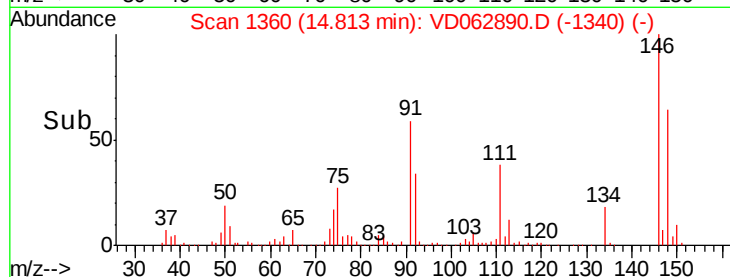
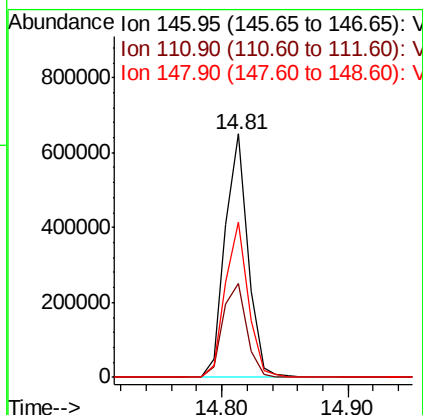
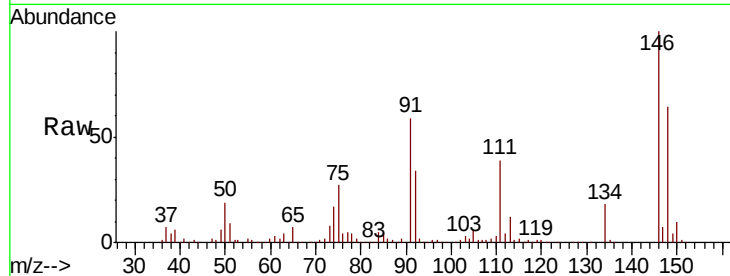




#91
 1,2-Dichlorobenzene
 Concen: 59.494 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. -0.00 min
 Lab File: VD062890.D
 Acq: 25 Jun 2019 20:14

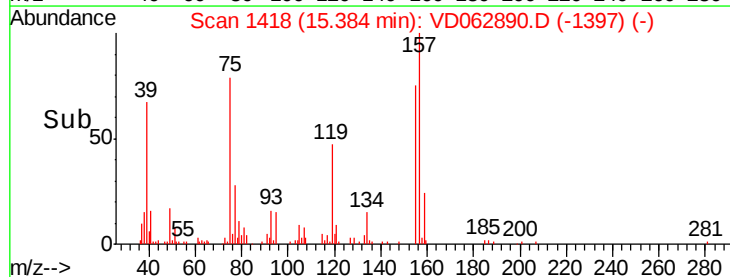
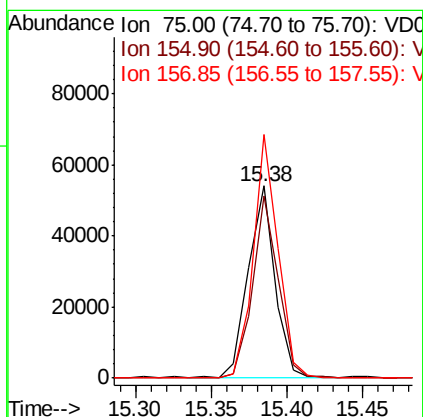
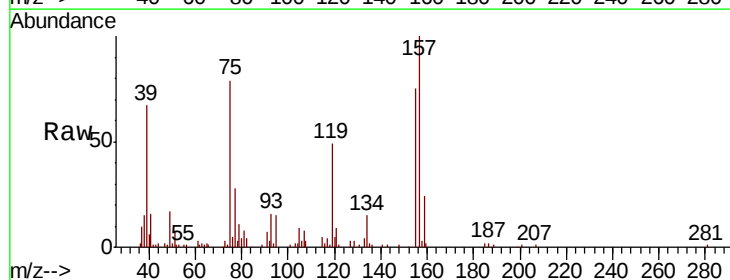
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

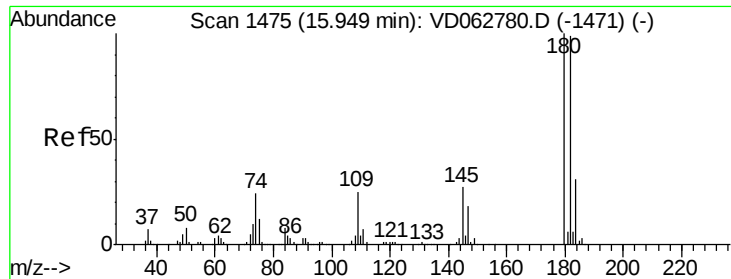
Tot Ion:146 Resp: 813967
 Ion Ratio Lower Upper
 146 100
 111 38.5 19.1 57.1
 148 63.9 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 63.199 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. 0.01 min
 Lab File: VD062890.D
 Acq: 25 Jun 2019 20:14

Tgt Ion: 75 Resp: 66657
 Ion Ratio Lower Upper
 75 100
 155 94.9 29.3 87.8#
 157 126.7 41.3 123.7#

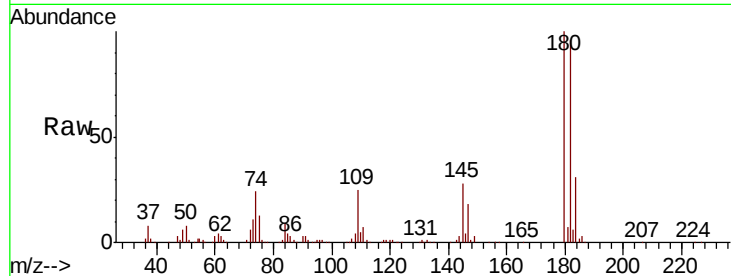




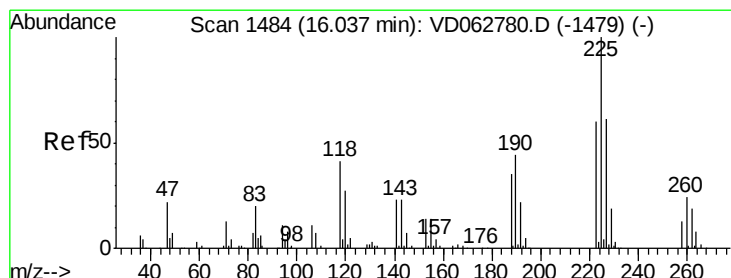
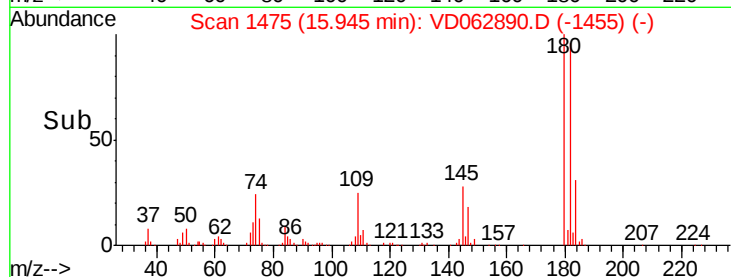
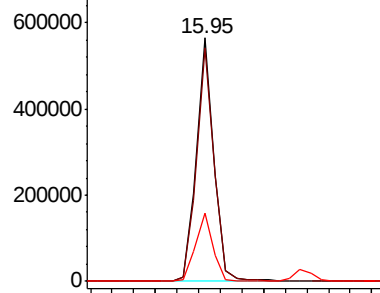
#93
 1,2,4-Trichlorobenzene
 Concen: 59.067 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD062890.D
 Acq: 25 Jun 2019 20:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:180 Resp: 631273
 Ion Ratio Lower Upper
 180 100
 182 95.6 49.5 148.5
 145 27.9 13.7 41.0

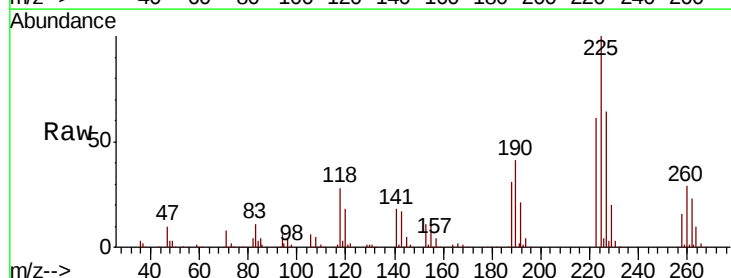


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

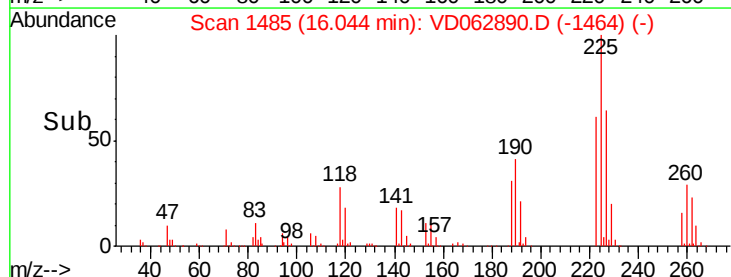
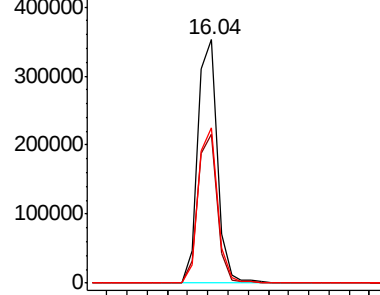


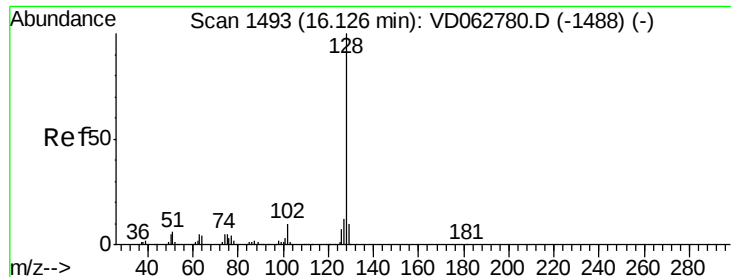
#94
 Hexachlorobutadiene
 Concen: 58.455 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD062890.D
 Acq: 25 Jun 2019 20:14

Tgt Ion:225 Resp: 477267
 Ion Ratio Lower Upper
 225 100
 223 61.3 29.8 89.5
 227 63.5 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

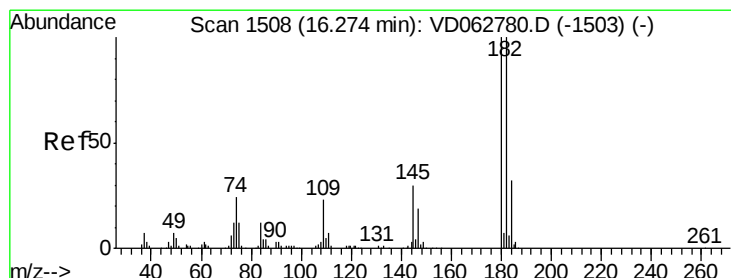
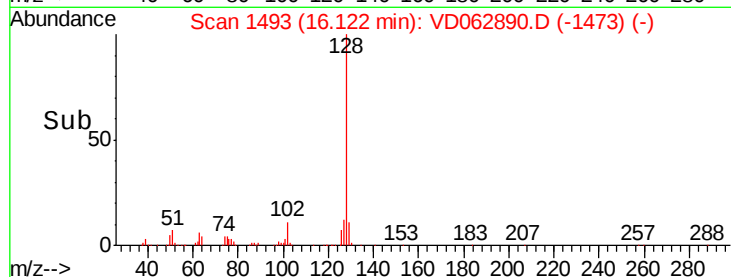
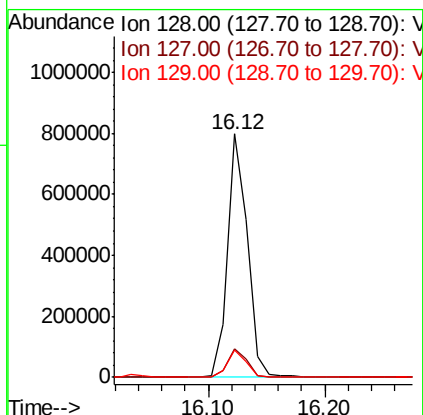
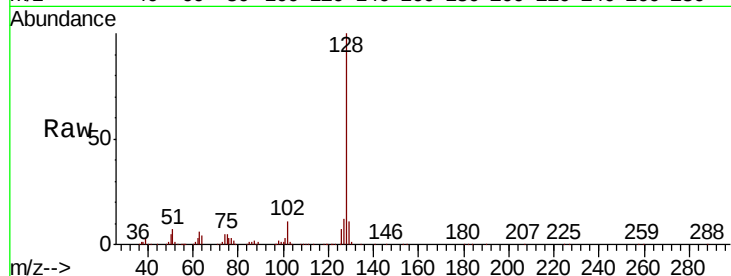




#95
Naphthalene
Concen: 62.858 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VD062890.D
Acq: 25 Jun 2019 20:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 941580
Ion Ratio Lower Upper
128 100
127 11.8 9.7 14.5
129 11.1 8.3 12.5



#96
1,2,3-Trichlorobenzene
Concen: 61.611 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.00 min
Lab File: VD062890.D
Acq: 25 Jun 2019 20:14

Tgt Ion:180 Resp: 505917
Ion Ratio Lower Upper
180 100
182 96.6 49.9 149.6
145 30.1 15.2 45.5

