

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051319\
 Data File : VD062319.D
 Acq On : 13 May 2019 22:49
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA D/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: May 14 05:13:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 14:26:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	648073	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.23	114	897854	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.37	117	695453	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	384218	50.00	ug/l	0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.46	65	316401	52.54	ug/l	0.04
Spiked Amount	50.000		Recovery	=	105.08%	
35) Dibromofluoromethane	6.94	113	371345	49.85	ug/l	0.05
Spiked Amount	50.000		Recovery	=	99.70%	
50) Toluene-d8	10.43	98	752798	41.91	ug/l	0.03
Spiked Amount	50.000		Recovery	=	83.82%	
62) 4-Bromofluorobenzene	13.56	95	313542	43.47	ug/l	0.02
Spiked Amount	50.000		Recovery	=	86.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	293460	47.346	ug/l	99
3) Chloromethane	1.76	50	185592	41.439	ug/l	99
4) Vinyl Chloride	1.85	62	204527	46.467	ug/l	94
5) Bromomethane	2.16	94	77708	75.345	ug/l	96
6) Chloroethane	2.27	64	109513	59.294	ug/l	95
7) Trichlorofluoromethane	2.54	101	528081	61.711	ug/l	97
8) Diethyl Ether	2.88	74	66085	40.043	ug/l	70
9) 1,1,2-Trichlorotrifluoroet	3.16	101	310792	48.011	ug/l	94
10) Methyl Iodide	3.31	142	412312	42.143	ug/l #	82
11) Tert butyl alcohol	4.09	59	76251	248.034	ug/l	95
12) 1,1-Dichloroethene	3.13	96	240243	48.618	ug/l	84
13) Acrolein	3.04	56	57614	181.194	ug/l	88
14) Allyl chloride	3.64	41	350937	48.844	ug/l #	83
15) Acrylonitrile	4.21	53	177481	219.642	ug/l #	80
16) Acetone	3.23	43	281224	222.662	ug/l #	83
17) Carbon Disulfide	3.39	76	594720	41.838	ug/l	99
18) Methyl Acetate	3.65	43	112774	49.924	ug/l	93
19) Methyl tert-butyl Ether	4.26	73	507805	47.944	ug/l	97
20) Methylene Chloride	3.82	84	265033	50.257	ug/l	88
21) trans-1,2-Dichloroethene	4.23	96	257620	46.851	ug/l	88
22) Diisopropyl ether	5.14	45	732279	47.895	ug/l	96
23) Vinyl Acetate	5.07	43	2199347	272.644	ug/l	97
24) 1,1-Dichloroethane	5.00	63	471553	51.126	ug/l	98
25) 2-Butanone	6.09	43	336078	243.952	ug/l	98
26) 2,2-Dichloropropane	6.04	77	491108	53.453	ug/l	88
27) cis-1,2-Dichloroethene	6.06	96	304338	49.447	ug/l	98
28) Bromochloromethane	6.45	49	220024	60.633	ug/l	82
29) Tetrahydrofuran	6.47	42	142501	224.496	ug/l	97
30) Chloroform	6.68	83	618018	55.598	ug/l	99
31) Cyclohexane	6.97	56	300291	47.522	ug/l	95
32) 1,1,1-Trichloroethane	6.88	97	626630	59.642	ug/l	97
36) 1,1-Dichloropropene	7.16	75	385022	52.302	ug/l	95
37) Ethyl Acetate	6.20	43	153670	49.223	ug/l #	89
38) Carbon Tetrachloride	7.13	117	637629	62.580	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051319\
 Data File : VD062319.D
 Acq On : 13 May 2019 22:49
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA D/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: May 14 05:13:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 14:26:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	337967	47.916	ug/l	94
40) Benzene	7.47	78	795824	47.874	ug/l	99
41) Methacrylonitrile	6.46	41	194400	50.955	ug/l #	86
42) 1,2-Dichloroethane	7.59	62	406342	57.694	ug/l	91
43) Isopropyl Acetate	9.25	43	207430	46.849	ug/l	93
44) Trichloroethene	8.56	130	312583	49.347	ug/l	84
45) 1,2-Dichloropropane	8.95	63	198794	48.348	ug/l	94
46) Dibromomethane	9.08	93	175703	52.548	ug/l	93
47) Bromodichloromethane	9.39	83	452727	55.355	ug/l	98
48) Methyl methacrylate	9.14	41	141723	51.966	ug/l	87
49) 1,4-Dioxane	9.10	88	26536	901.806	ug/l #	92
51) 4-Methyl-2-Pentanone	10.32	43	749208	263.240	ug/l	91
52) Toluene	10.52	92	520386	48.114	ug/l	97
53) t-1,3-Dichloropropene	10.93	75	361282	51.110	ug/l	97
54) cis-1,3-Dichloropropene	10.05	75	390936	50.696	ug/l #	84
55) 1,1,2-Trichloroethane	11.20	97	192151	50.211	ug/l	96
56) Ethyl methacrylate	11.06	69	190476	47.898	ug/l #	78
57) 1,3-Dichloropropane	11.42	76	279468	48.339	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.87	63	601261	276.798	ug/l	100
59) 2-Hexanone	11.55	43	509020	242.658	ug/l	90
60) Dibromochloromethane	11.69	129	345389	52.224	ug/l	99
61) 1,2-Dibromoethane	11.81	107	238394	51.239	ug/l	93
64) Tetrachloroethene	11.27	164	277076	50.950	ug/l	98
65) Chlorobenzene	12.40	112	645923	49.867	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	307292	54.510	ug/l	95
67) Ethyl Benzene	12.53	91	1170464	53.975	ug/l	94
68) m/p-Xylenes	12.68	106	810343	102.710	ug/l	87
69) o-Xylene	13.05	106	372196	50.743	ug/l	79
70) Styrene	13.08	104	651873	52.463	ug/l	96
71) Bromoform	13.24	173	224694	57.289	ug/l	97
73) Isopropylbenzene	13.41	105	1123539	48.783	ug/l	95
74) N-amyl acetate	13.27	43	296637	49.126	ug/l	94
75) 1,1,2,2-Tetrachloroethane	13.70	83	211522	48.513	ug/l	100
76) 1,2,3-Trichloropropane	13.74	75	222588	48.748	ug/l	99
77) Bromobenzene	13.67	156	303236	47.033	ug/l	86
78) n-propylbenzene	13.78	91	1369303	49.841	ug/l	97
79) 2-Chlorotoluene	13.85	91	821713	52.223	ug/l	94
80) 1,3,5-Trimethylbenzene	13.94	105	989110	51.000	ug/l	91
81) trans-1,4-Dichloro-2-buten	13.48	75	63144	48.985	ug/l #	66
82) 4-Chlorotoluene	13.95	91	922398	49.817	ug/l	79
83) tert-Butylbenzene	14.19	119	1095560	50.258	ug/l	89
84) 1,2,4-Trimethylbenzene	14.24	105	1033430	53.100	ug/l	91
85) sec-Butylbenzene	14.37	105	1129332	47.251	ug/l	96
86) p-Isopropyltoluene	14.50	119	1015115	47.538	ug/l	94
87) 1,3-Dichlorobenzene	14.46	146	543510	46.148	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	556542	48.092	ug/l	99
89) n-Butylbenzene	14.80	91	996097	51.971	ug/l	96
90) Hexachloroethane	15.01	117	296587	51.073	ug/l	89
91) 1,2-Dichlorobenzene	14.81	146	506037	52.171	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.39	75	41211	57.580	ug/l	80

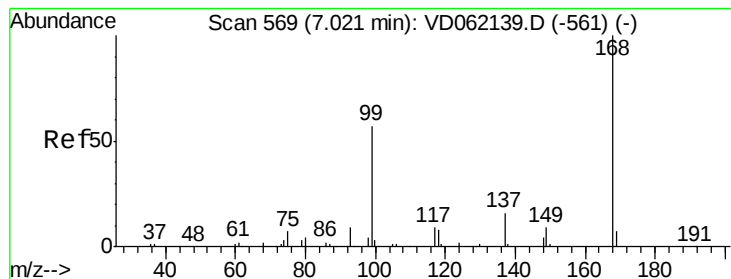
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051319\
Data File : VD062319.D
Acq On : 13 May 2019 22:49
Operator : FY/SY
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA D/SOIL
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Quant Time: May 14 05:13:04 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
Quant Title : SW846 8260
QLast Update : Tue May 07 14:26:29 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	404569	57.304	ug/l	95
94) Hexachlorobutadiene	16.04	225	289054	55.048	ug/l	100
95) Naphthalene	16.13	128	526579	53.424	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	296170	66.722	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 573

Delta R.T. 0.04 min

Lab File: VD062319.D

Acq: 13 May 2019 22:49

Instrument :

MSVOA_D

ClientSampleId :

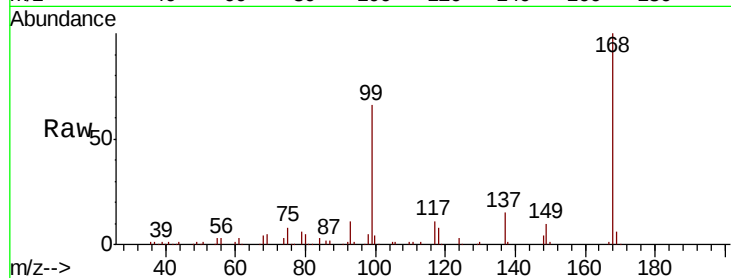
VSTDCCC050

Tot Ion:168 Resp: 648073

Ion Ratio Lower Upper

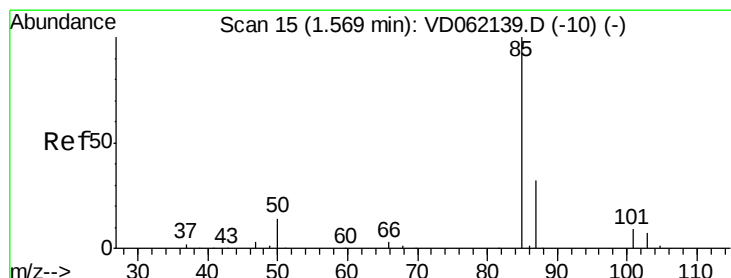
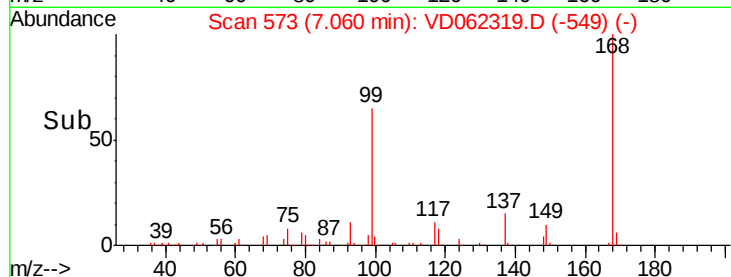
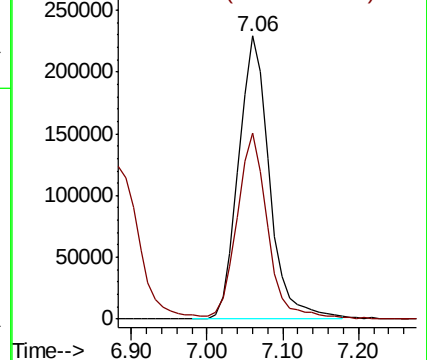
168 100

99 65.8 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 47.346 ug/l

RT: 1.58 min Scan# 16

Delta R.T. 0.01 min

Lab File: VD062319.D

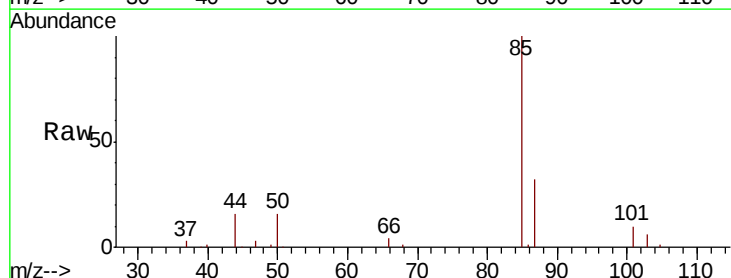
Acq: 13 May 2019 22:49

Tgt Ion: 85 Resp: 293460

Ion Ratio Lower Upper

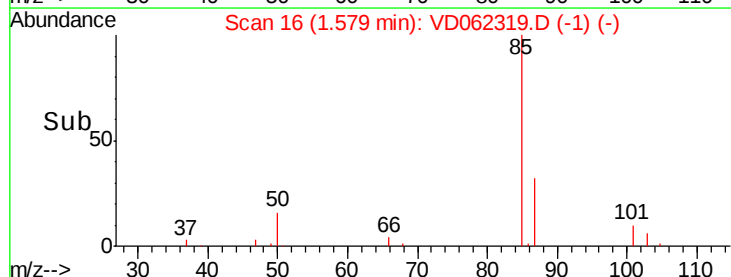
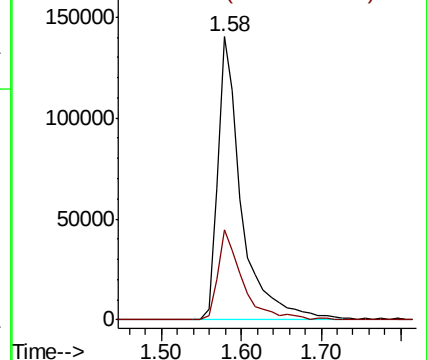
85 100

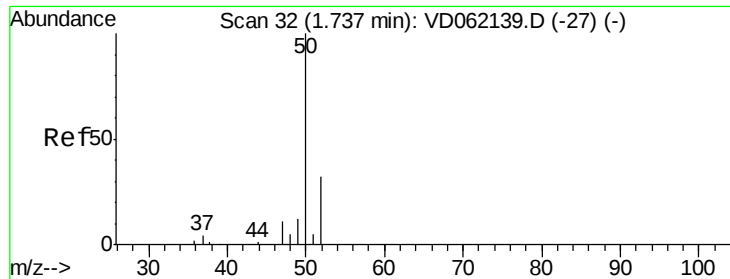
87 31.6 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 41.439 ug/l

RT: 1.76 min Scan# 34

Delta R.T. 0.02 min

Lab File: VD062319.D

Acq: 13 May 2019 22:49

Instrument :

MSVOA_D

ClientSampleId :

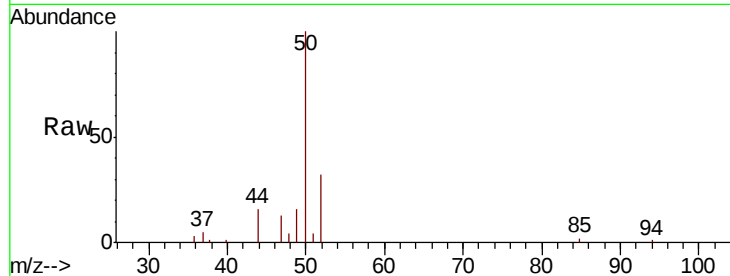
VSTDCCC050

Tot Ion: 50 Resp: 185592

Ion Ratio Lower Upper

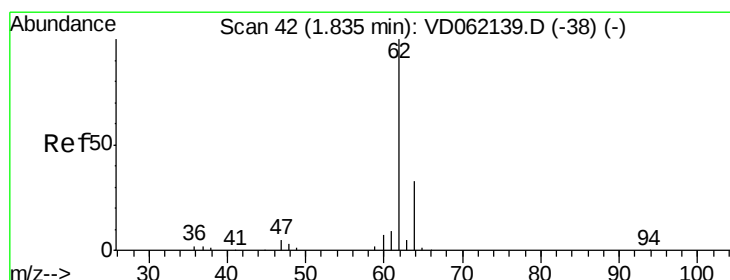
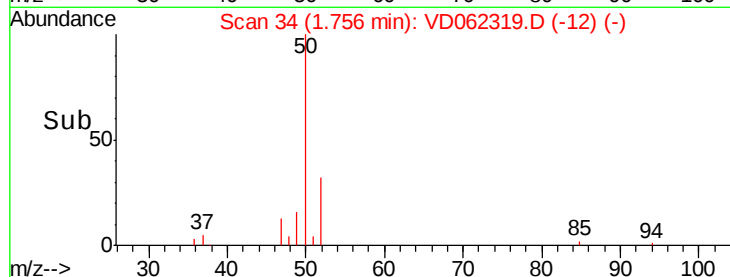
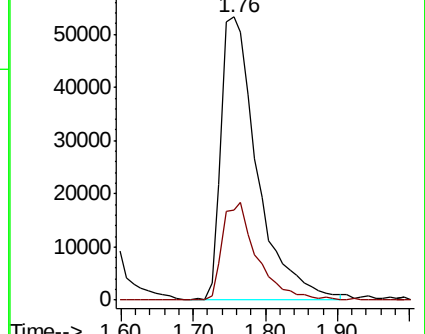
50 100

52 32.0 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 46.467 ug/l

RT: 1.85 min Scan# 44

Delta R.T. 0.02 min

Lab File: VD062319.D

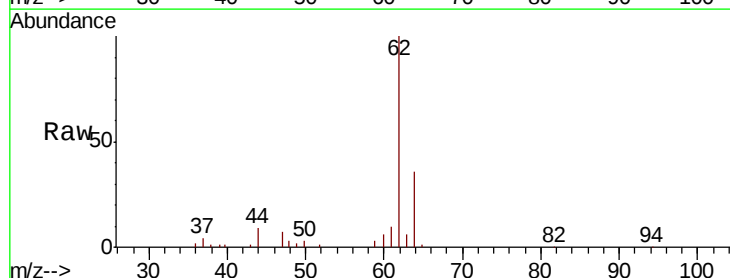
Acq: 13 May 2019 22:49

Tgt Ion: 62 Resp: 204527

Ion Ratio Lower Upper

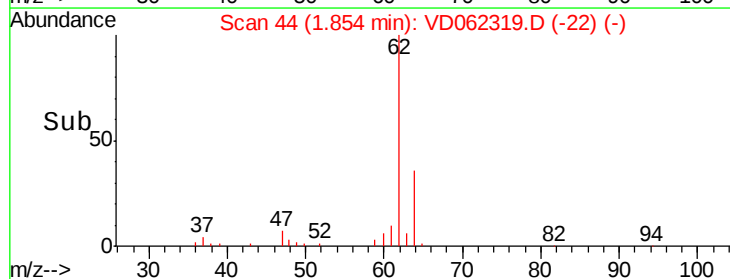
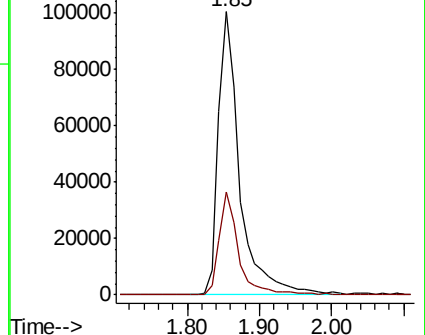
62 100

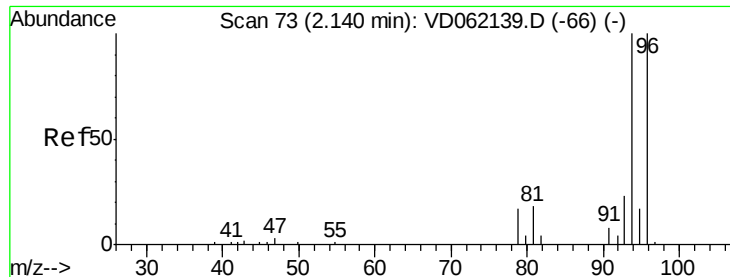
64 36.2 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

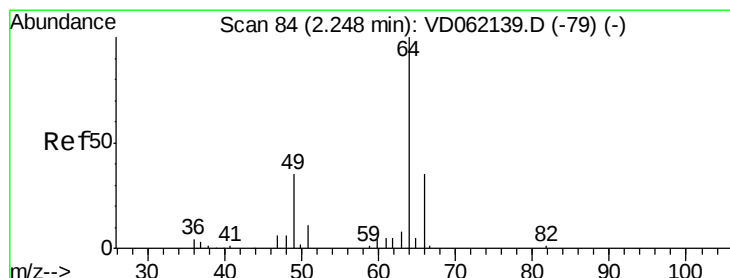
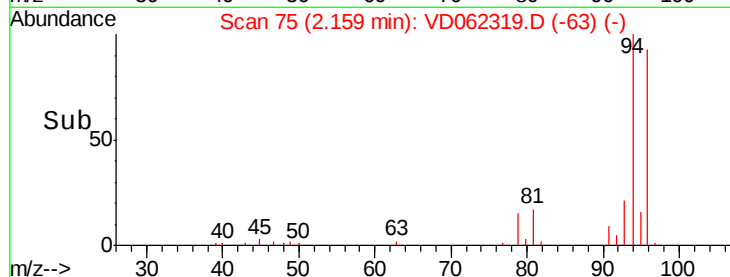
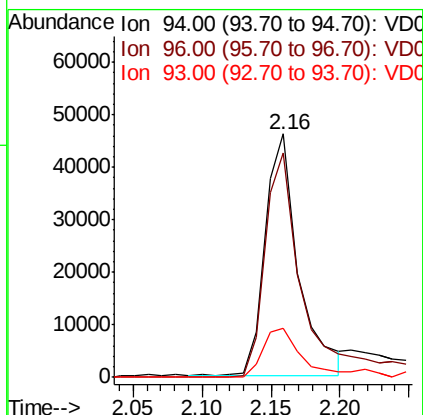
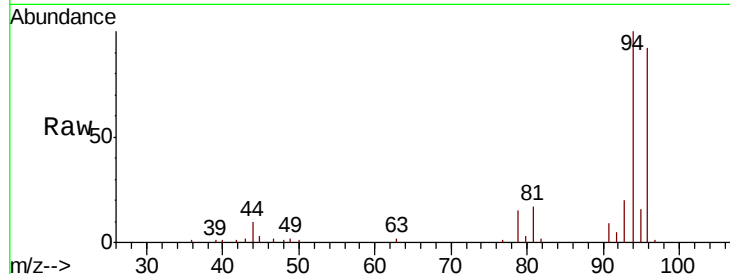




#5
Bromomethane
Concen: 75.345 ug/l
RT: 2.16 min Scan# 75
Delta R.T. 0.02 min
Lab File: VD062139.D
Acq: 13 May 2019 22:49

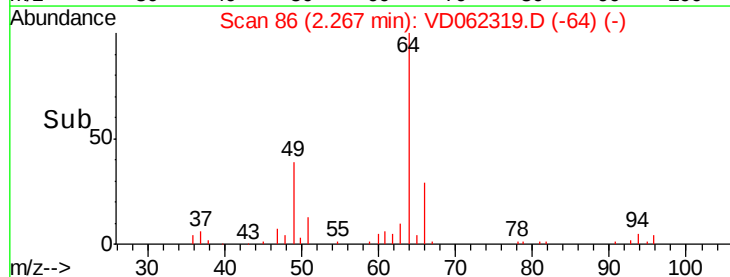
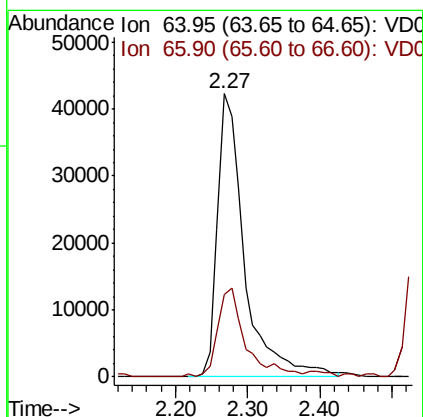
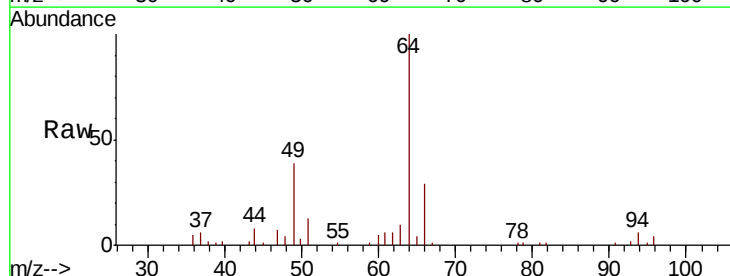
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

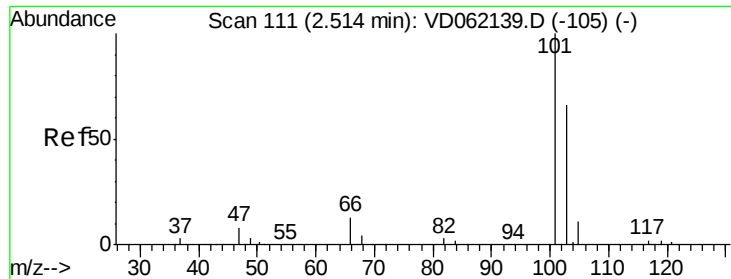
Tot Ion: 94 Resp: 77708
Ion Ratio Lower Upper
94 100
96 91.9 76.6 115.0
93 20.4 18.5 27.7



#6
Chloroethane
Concen: 59.294 ug/l
RT: 2.27 min Scan# 86
Delta R.T. 0.02 min
Lab File: VD062139.D
Acq: 13 May 2019 22:49

Tgt Ion: 64 Resp: 109513
Ion Ratio Lower Upper
64 100
66 29.3 25.6 38.4



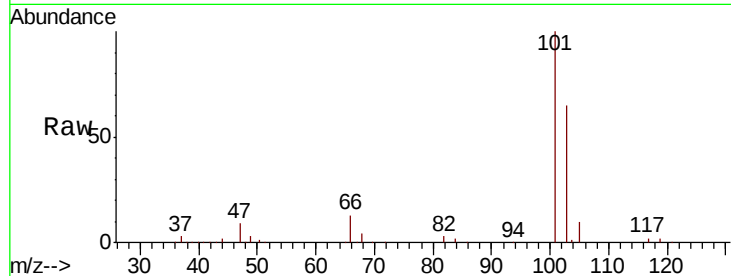


#7

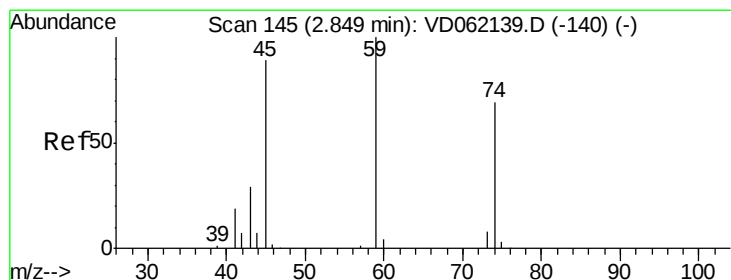
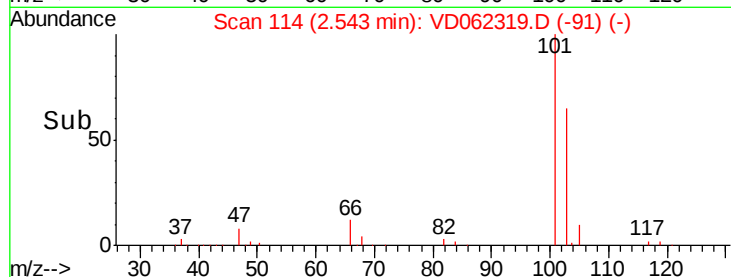
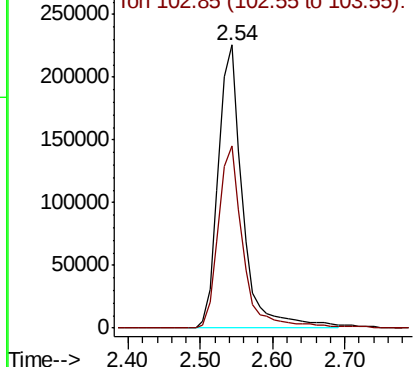
Trichlorofluoromethane
Concen: 61.711 ug/l
RT: 2.54 min Scan# 114
Delta R.T. 0.03 min
Lab File: VD062319.D
Acq: 13 May 2019 22:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:101 Resp: 528081
Ion Ratio Lower Upper
101 100
103 64.6 53.6 80.4



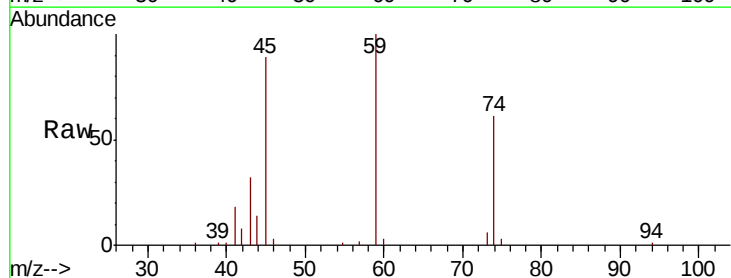
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



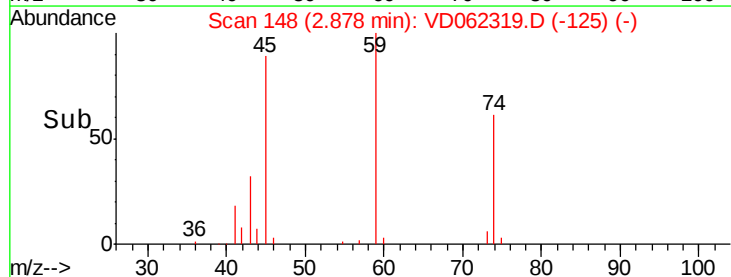
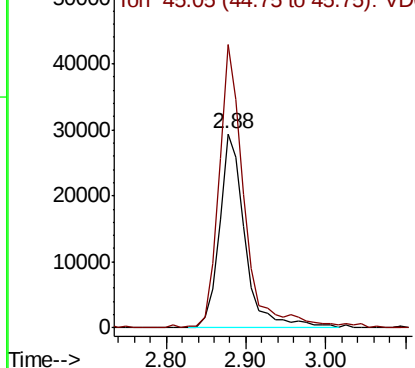
#8

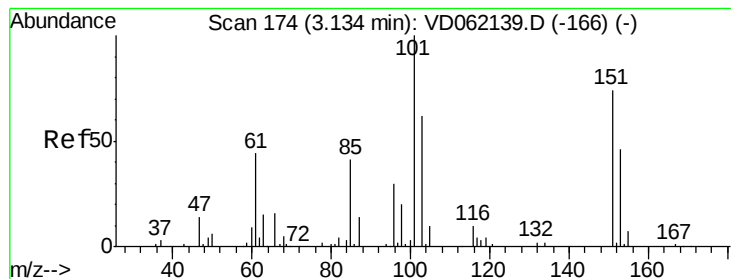
Diethyl Ether
Concen: 40.043 ug/l
RT: 2.88 min Scan# 148
Delta R.T. 0.03 min
Lab File: VD062319.D
Acq: 13 May 2019 22:49

Tgt Ion: 74 Resp: 66085
Ion Ratio Lower Upper
74 100
45 145.8 56.9 170.7



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: 48.011 ug/l

RT: 3.16 min Scan# 177

Delta R.T. 0.03 min

Lab File: VD062139.D

Acq: 13 May 2019 22:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

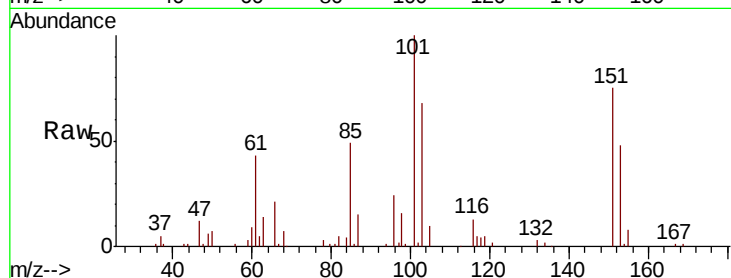
Tot Ion:101 Resp: 310792

Ion Ratio Lower Upper

101 100

85 48.6 32.4 48.6

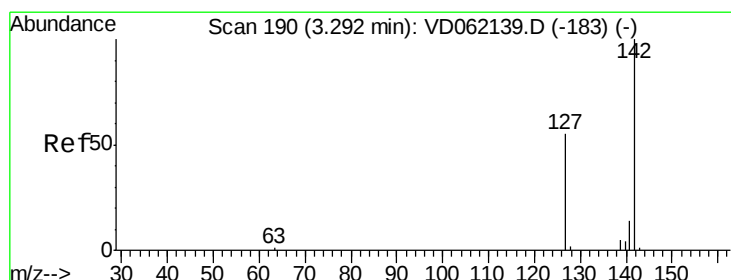
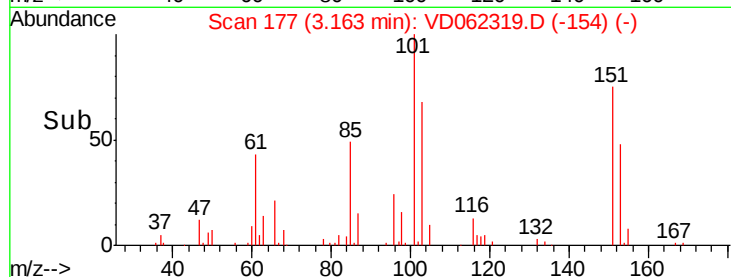
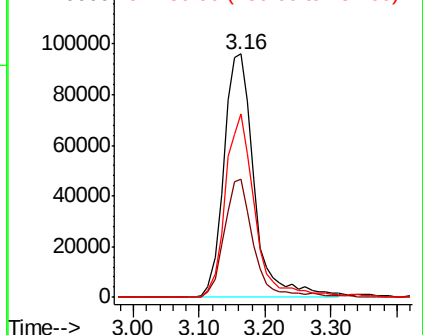
151 75.4 59.4 89.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 42.143 ug/l

RT: 3.31 min Scan# 192

Delta R.T. 0.02 min

Lab File: VD062139.D

Acq: 13 May 2019 22:49

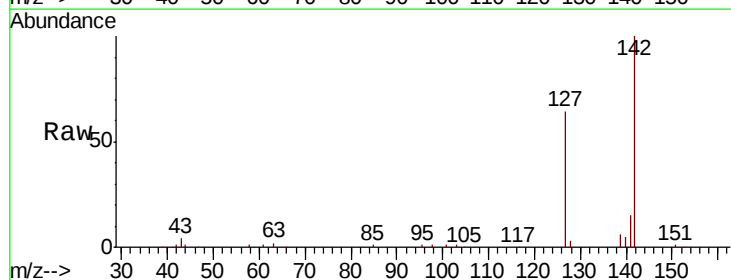
Tgt Ion:142 Resp: 412312

Ion Ratio Lower Upper

142 100

127 64.4 38.8 58.2#

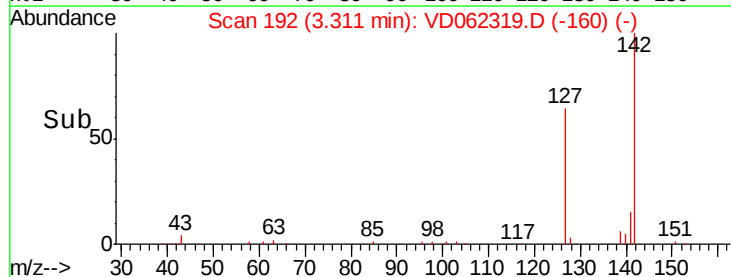
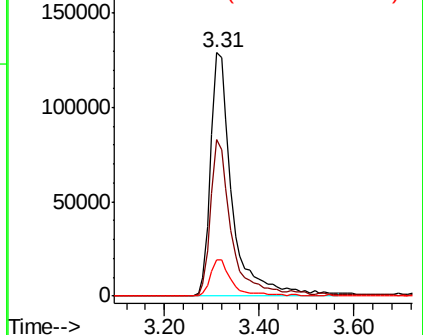
141 14.7 11.4 17.0

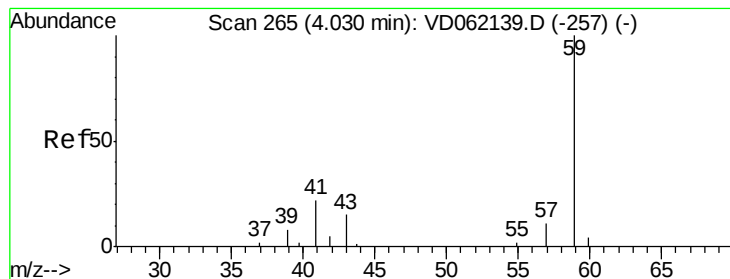


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



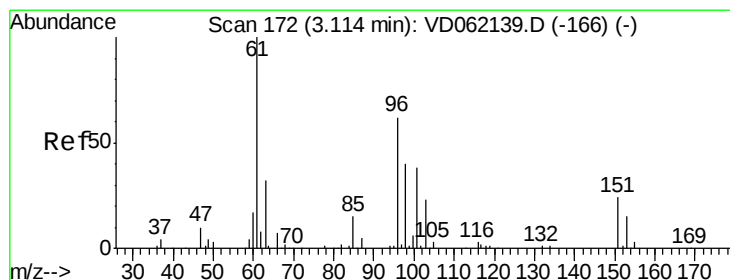
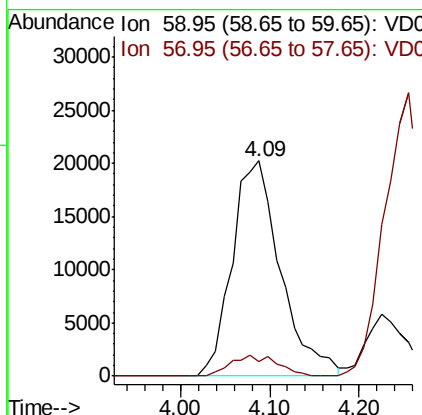
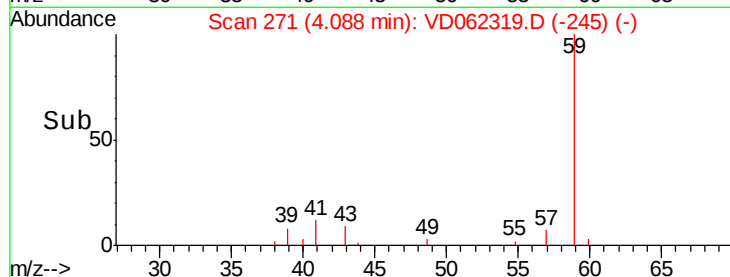
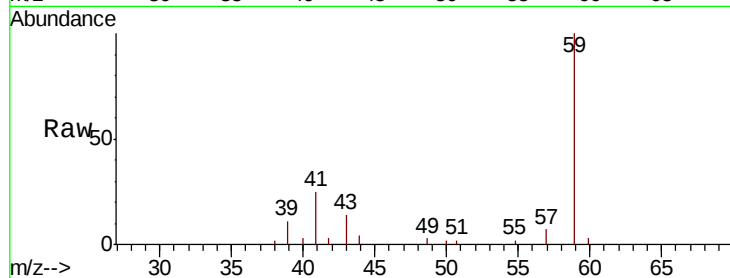


#11

Tert butyl alcohol
 Concen: 248.034 ug/l
 RT: 4.09 min Scan# 271
 Delta R.T. 0.06 min
 Lab File: VD062319.D
 Acq: 13 May 2019 22:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

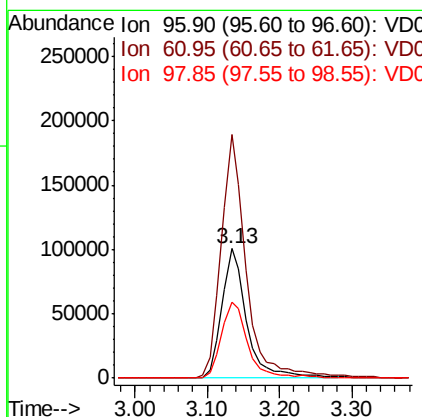
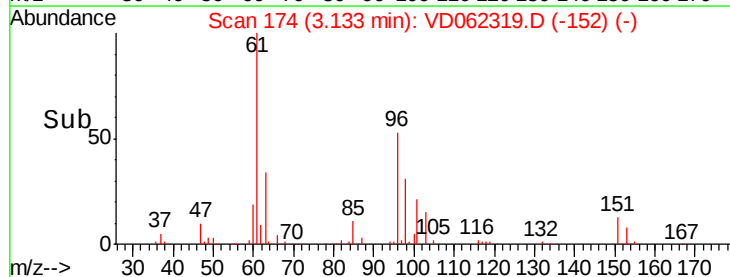
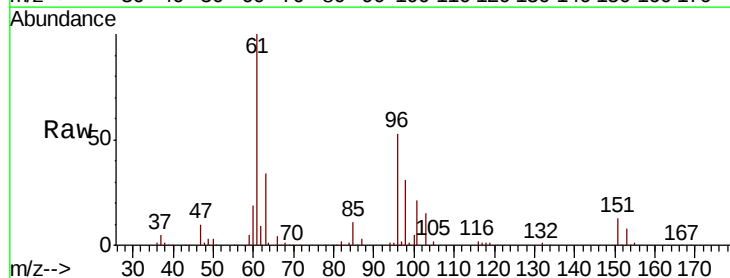
Tot Ion: 59 Resp: 76251
 Ion Ratio Lower Upper
 59 100
 57 6.9 6.9 10.3

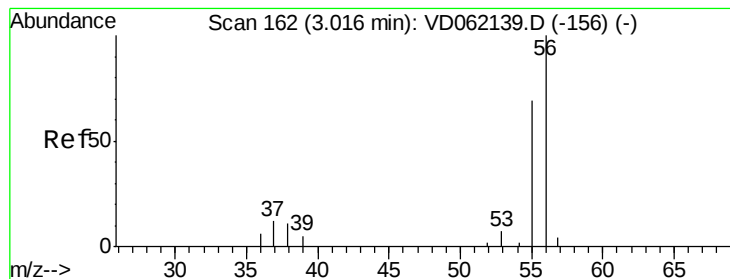


#12

1,1-Dichloroethene
 Concen: 48.618 ug/l
 RT: 3.13 min Scan# 174
 Delta R.T. 0.02 min
 Lab File: VD062319.D
 Acq: 13 May 2019 22:49

Tgt Ion: 96 Resp: 240243
 Ion Ratio Lower Upper
 96 100
 61 187.9 129.8 194.8
 98 58.7 51.2 76.8





#13

Acrolein

Concen: 181.194 ug/l

RT: 3.04 min Scan# 165

Delta R.T. 0.03 min

Lab File: VD062139.D

Acq: 13 May 2019 22:49

Instrument :

MSVOA_D

ClientSampleId :

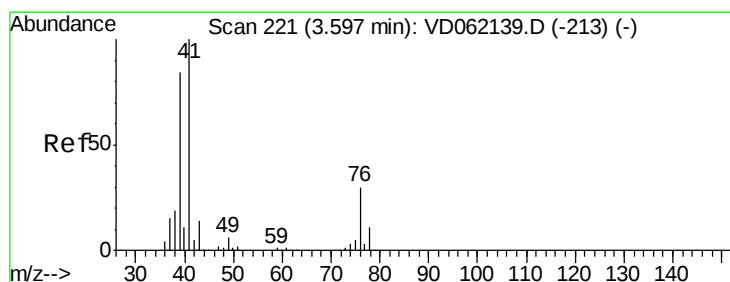
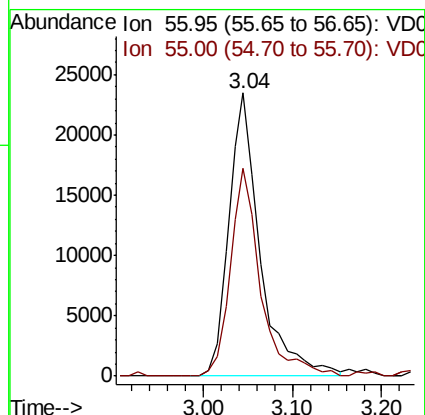
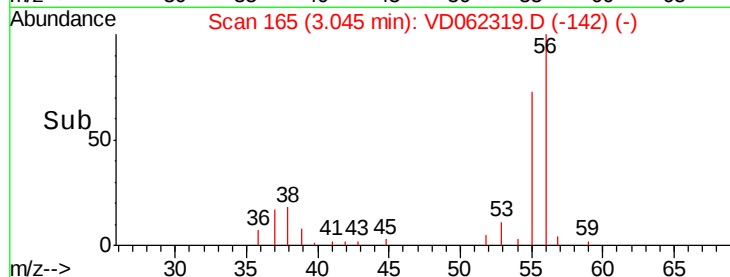
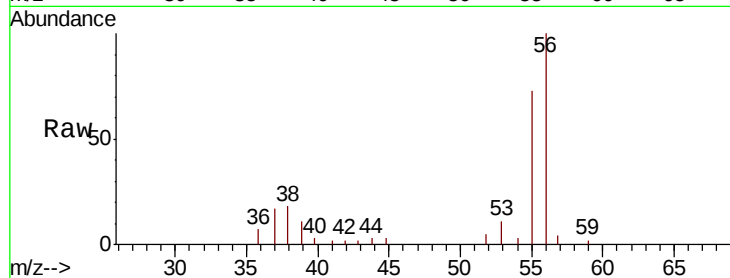
VSTDCCC050

Tot Ion: 56 Resp: 57614

Ion Ratio Lower Upper

56 100

55 73.3 51.4 77.2



#14

Allyl chloride

Concen: 48.844 ug/l

RT: 3.64 min Scan# 225

Delta R.T. 0.04 min

Lab File: VD062139.D

Acq: 13 May 2019 22:49

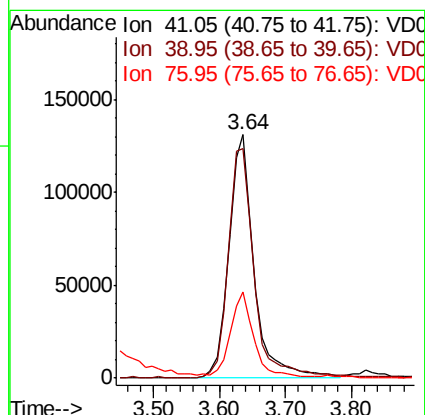
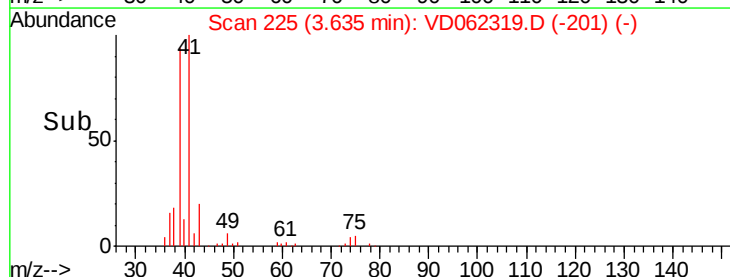
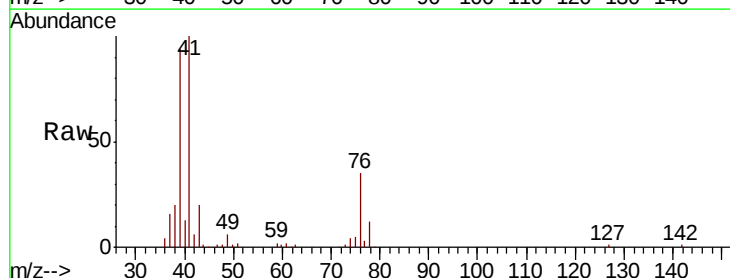
Tgt Ion: 41 Resp: 350937

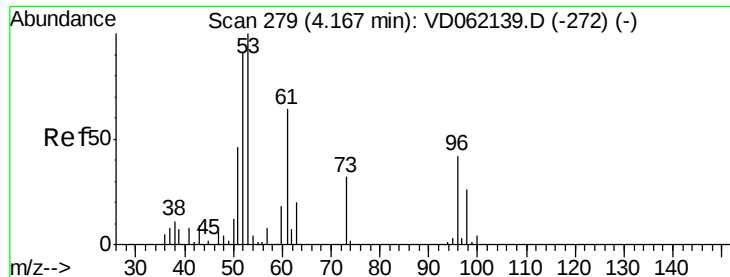
Ion Ratio Lower Upper

41 100

39 94.4 60.5 90.7#

76 35.3 31.8 47.8





#15

Acrylonitrile

Concen: 219.642 ug/l

RT: 4.21 min Scan# 283

Delta R.T. 0.04 min

Lab File: VD062139.D

Acq: 13 May 2019 22:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

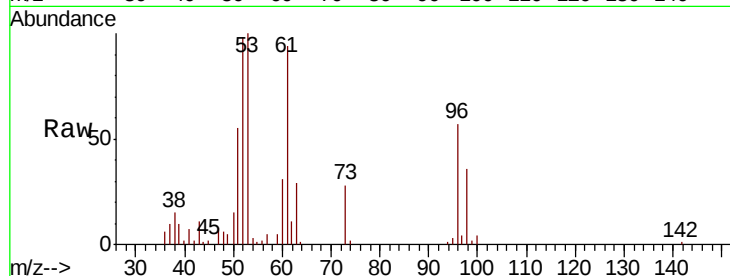
Tot Ion: 53 Resp: 177481

Ion Ratio Lower Upper

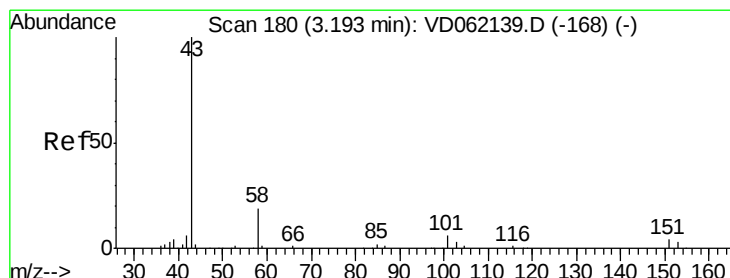
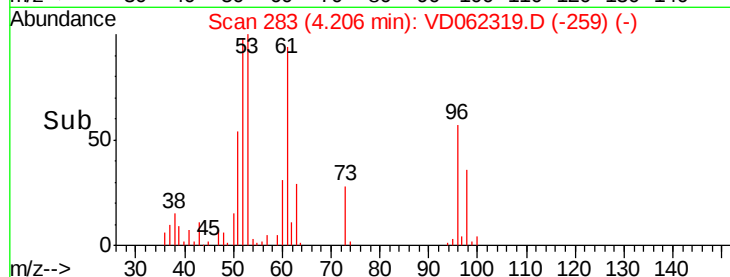
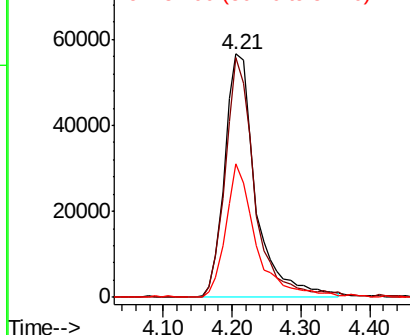
53 100

52 98.4 65.0 97.4#

51 54.8 32.6 48.8#



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 222.662 ug/l

RT: 3.23 min Scan# 184

Delta R.T. 0.04 min

Lab File: VD062139.D

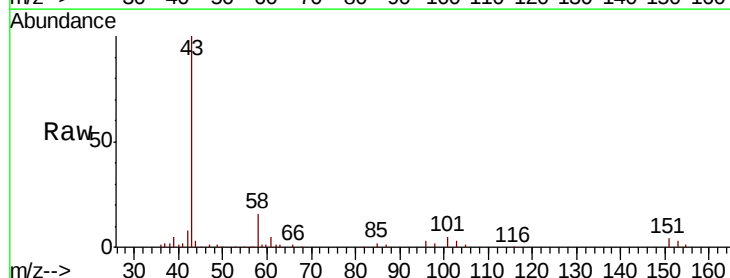
Acq: 13 May 2019 22:49

Tgt Ion: 43 Resp: 281224

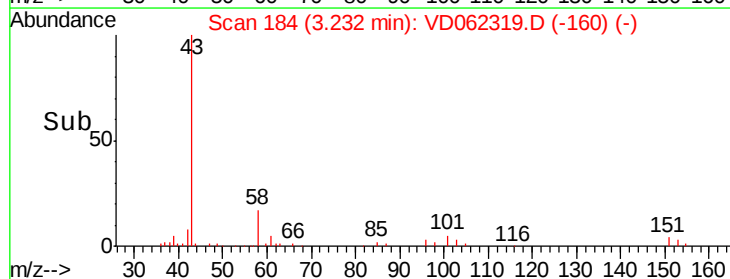
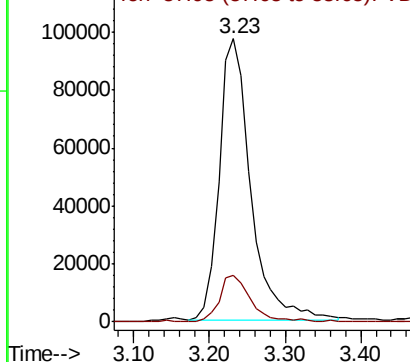
Ion Ratio Lower Upper

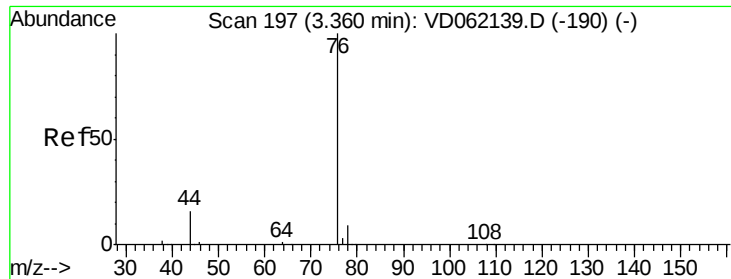
43 100

58 16.5 19.9 29.9#



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

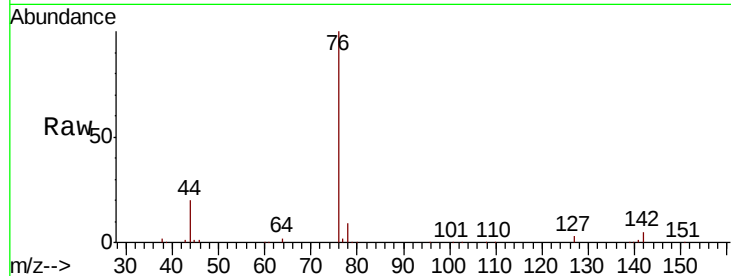




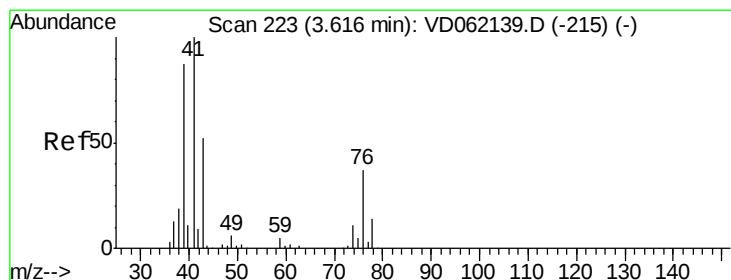
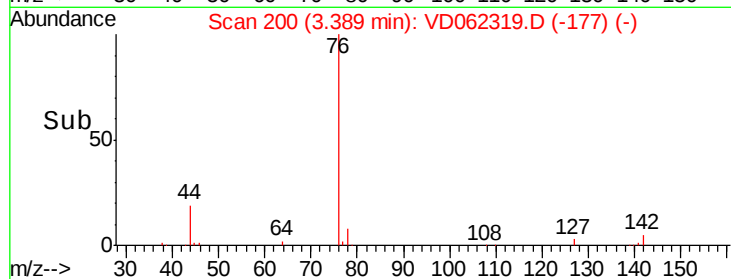
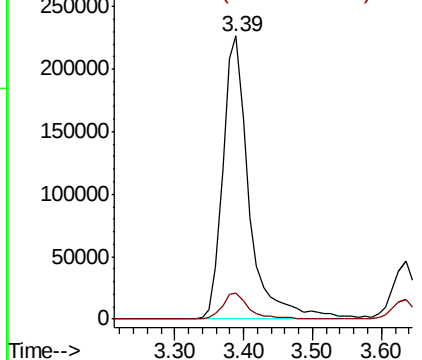
#17
Carbon Disulfide
Concen: 41.838 ug/l
RT: 3.39 min Scan# 200
Delta R.T. 0.03 min
Lab File: VD062319.D
Acq: 13 May 2019 22:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 594720
Ion Ratio Lower Upper
76 100
78 9.3 7.2 10.8

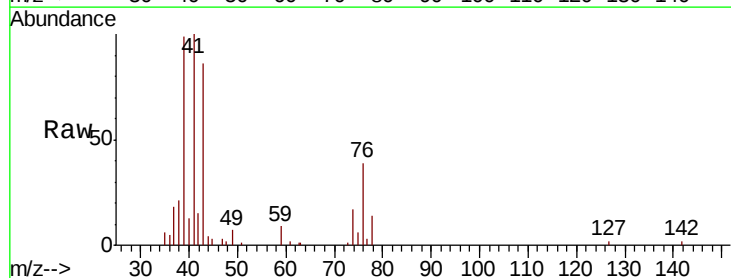


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

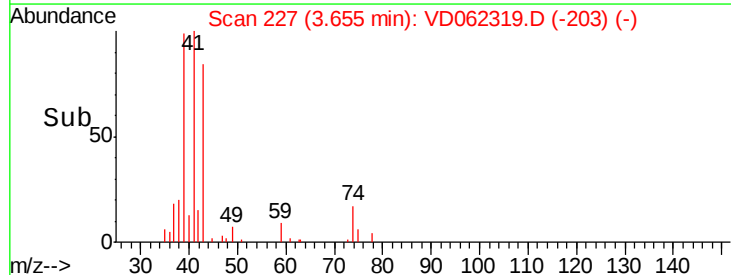
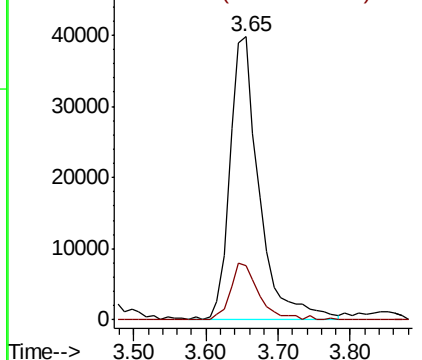


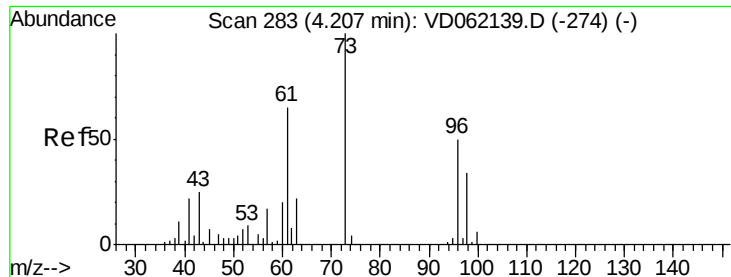
#18
Methyl Acetate
Concen: 49.924 ug/l
RT: 3.65 min Scan# 227
Delta R.T. 0.04 min
Lab File: VD062319.D
Acq: 13 May 2019 22:49

Tgt Ion: 43 Resp: 112774
Ion Ratio Lower Upper
43 100
74 19.2 18.0 27.0



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



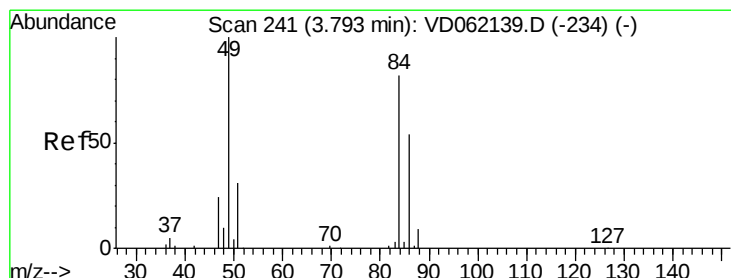
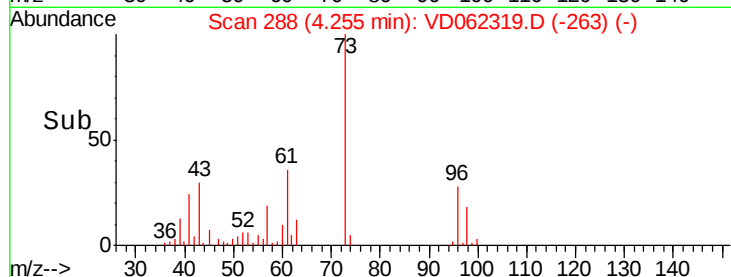
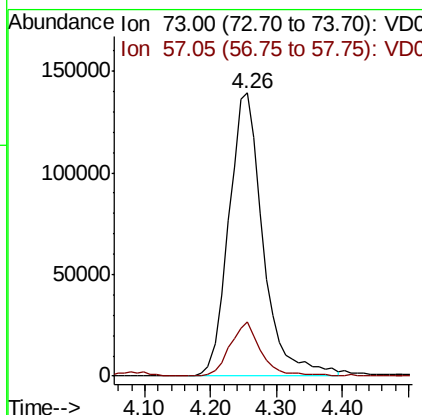
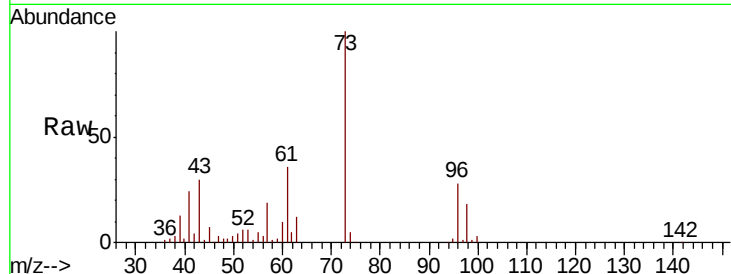


#19

Methyl tert-butyl Ether
 Concen: 47.944 ug/l
 RT: 4.26 min Scan# 288
 Delta R.T. 0.05 min
 Lab File: VD062319.D
 Acq: 13 May 2019 22:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

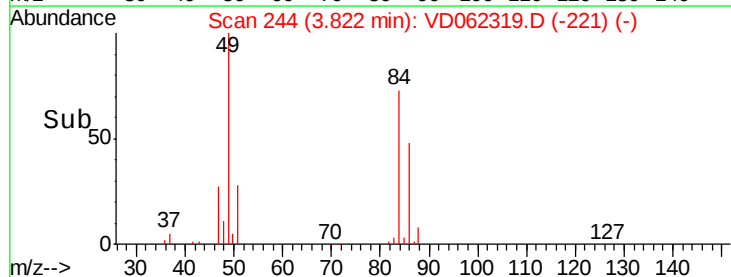
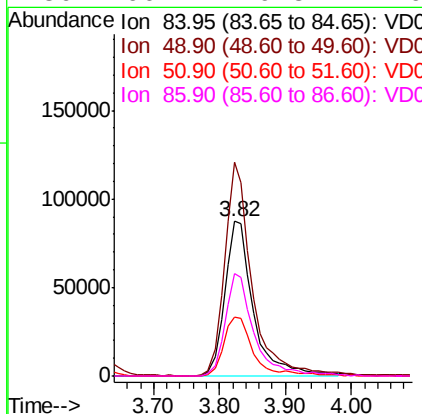
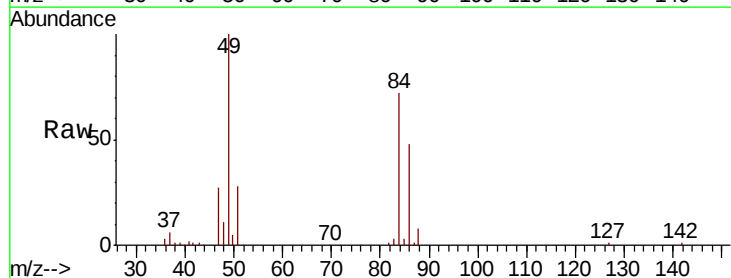
Tot Ion: 73 Resp: 507805
 Ion Ratio Lower Upper
 73 100
 57 19.1 16.3 24.5



#20

Methylene Chloride
 Concen: 50.257 ug/l
 RT: 3.82 min Scan# 244
 Delta R.T. 0.03 min
 Lab File: VD062319.D
 Acq: 13 May 2019 22:49

Tgt Ion: 84 Resp: 265033
 Ion Ratio Lower Upper
 84 100
 49 138.3 94.0 141.0
 51 38.5 29.0 43.4
 86 66.1 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 46.851 ug/l

RT: 4.23 min Scan# 285

Delta R.T. 0.03 min

Lab File: VD062139.D

Acq: 13 May 2019 22:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

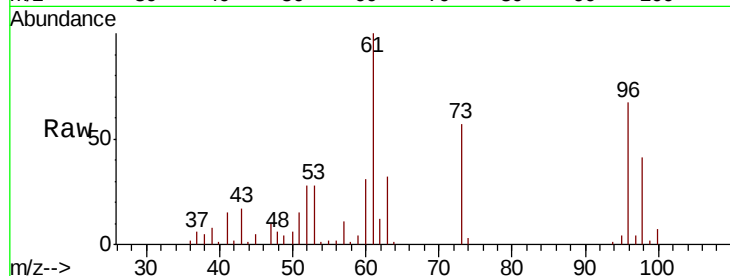
Tot Ion: 96 Resp: 257620

Ion Ratio Lower Upper

96 100

61 148.2 104.4 156.6

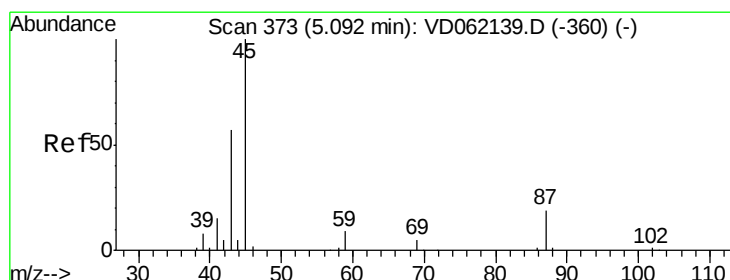
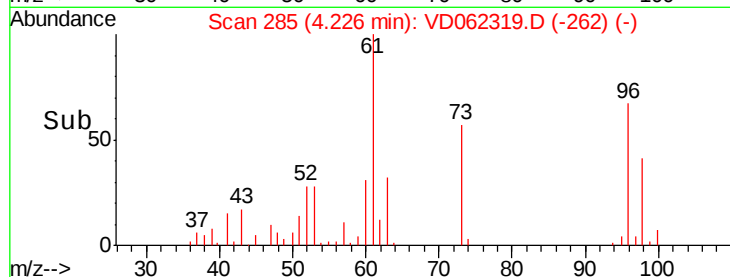
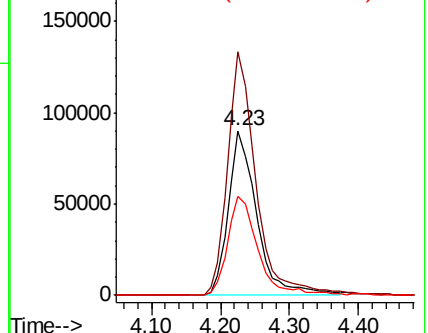
98 60.6 51.8 77.8



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: 47.895 ug/l

RT: 5.14 min Scan# 378

Delta R.T. 0.05 min

Lab File: VD062139.D

Acq: 13 May 2019 22:49

Tgt Ion: 45 Resp: 732279

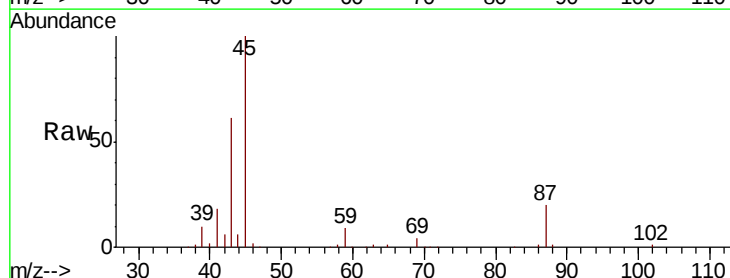
Ion Ratio Lower Upper

45 100

43 61.3 46.2 69.2

87 20.2 15.9 23.9

59 8.9 7.9 11.9

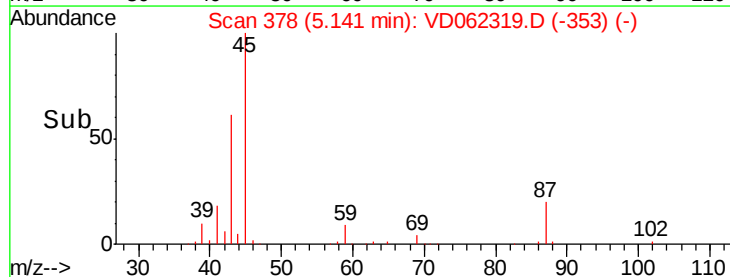
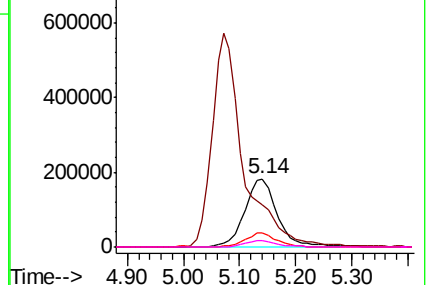


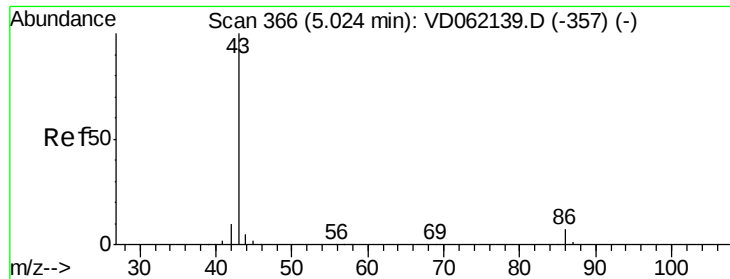
Abundance Ion 45.05 (44.75 to 45.75): VDC

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

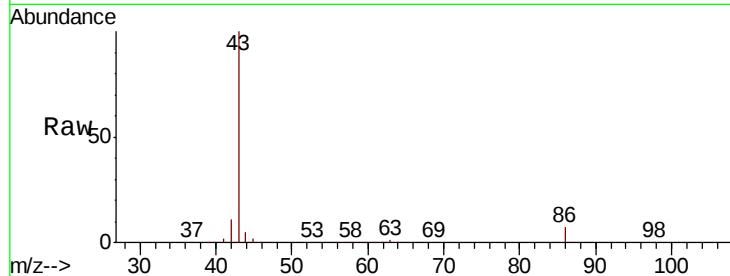




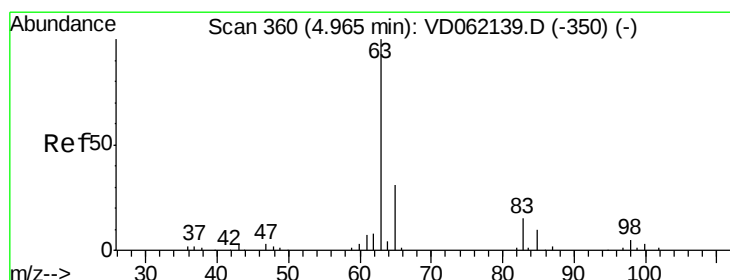
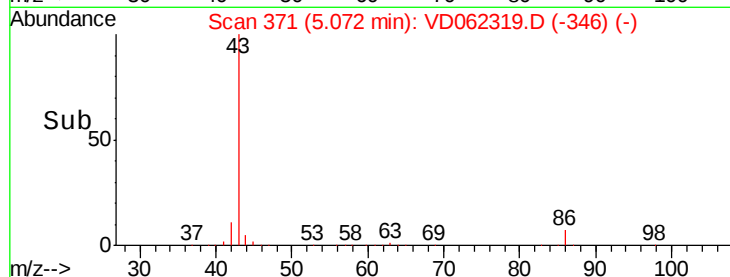
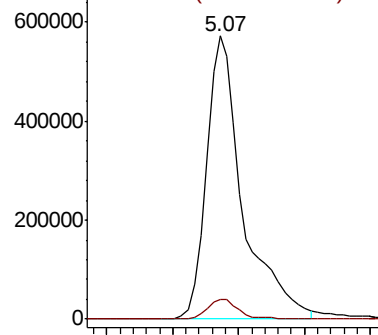
#23
 Vinyl Acetate
 Concen: 272.644 ug/l
 RT: 5.07 min Scan# 371
 Delta R.T. 0.05 min
 Lab File: VD062139.D
 Acq: 13 May 2019 22:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 2199347
 Ion Ratio Lower Upper
 43 100
 86 6.9 6.4 9.6

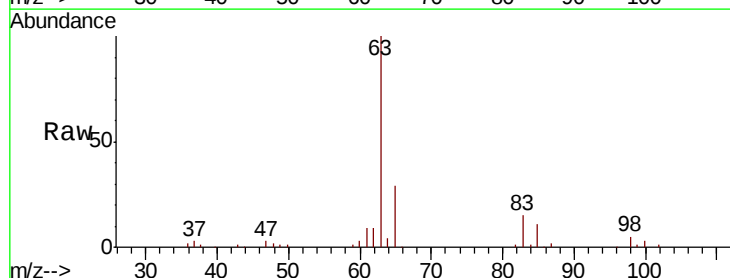


Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 86.00 (85.70 to 86.70): VDC

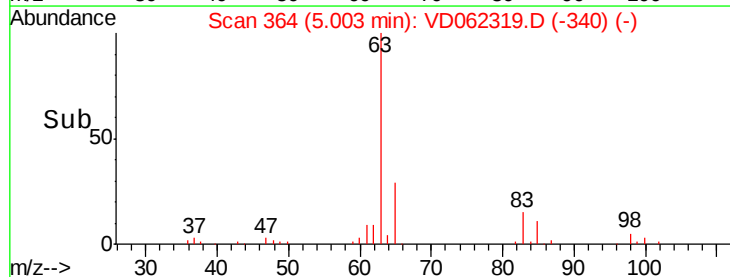
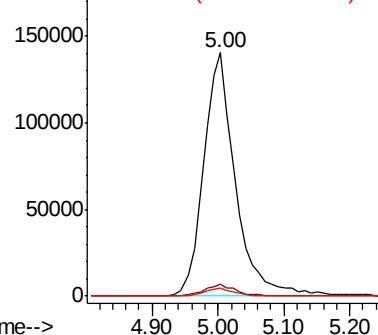


#24
 1,1-Dichloroethane
 Concen: 51.126 ug/l
 RT: 5.00 min Scan# 364
 Delta R.T. 0.04 min
 Lab File: VD062139.D
 Acq: 13 May 2019 22:49

Tgt Ion: 63 Resp: 471553
 Ion Ratio Lower Upper
 63 100
 98 5.0 2.8 8.4
 100 3.2 1.8 5.5



Abundance Ion 62.95 (62.65 to 63.65): VDC
 Ion 97.95 (97.65 to 98.65): VDC
 Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 243.952 ug/l

RT: 6.09 min Scan# 474

Delta R.T. 0.05 min

Lab File: VD062139.D

Acq: 13 May 2019 22:49

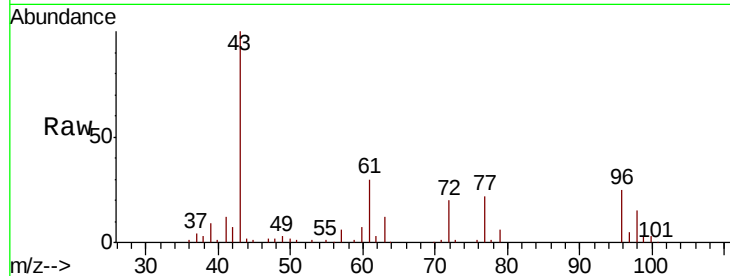
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 336078

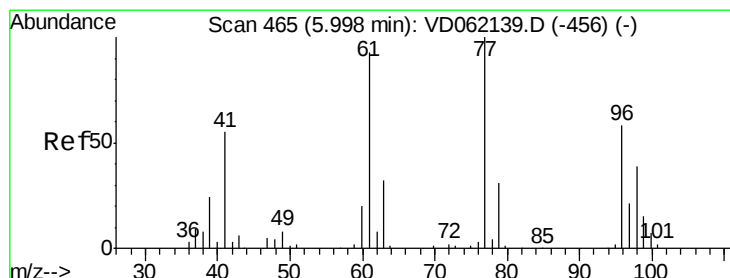
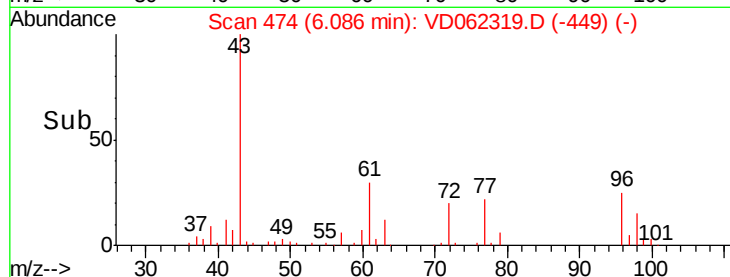
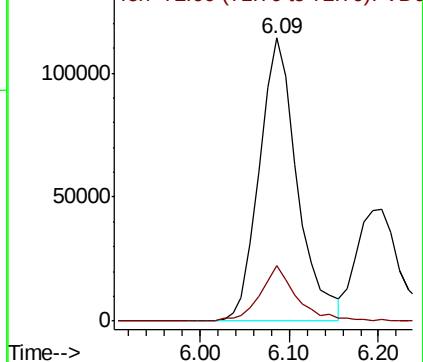
Ion Ratio Lower Upper

43 100

72 19.5 16.2 24.4



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 53.453 ug/l

RT: 6.04 min Scan# 469

Delta R.T. 0.04 min

Lab File: VD062139.D

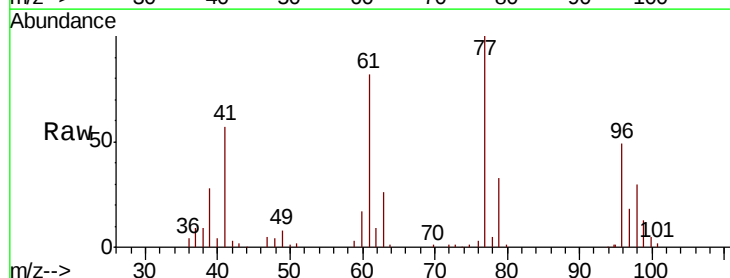
Acq: 13 May 2019 22:49

Tgt Ion: 77 Resp: 491108

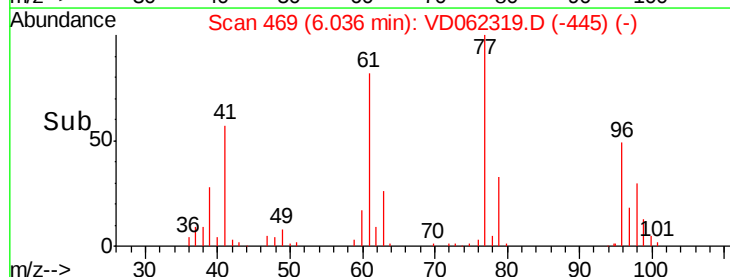
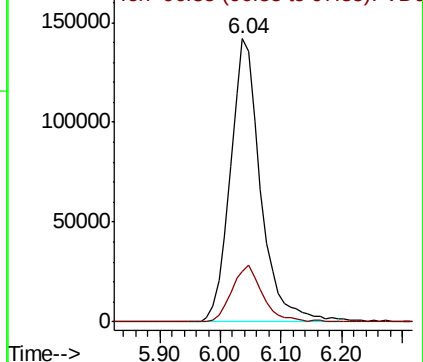
Ion Ratio Lower Upper

77 100

97 17.9 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC
Ion 96.85 (96.55 to 97.55): VDC



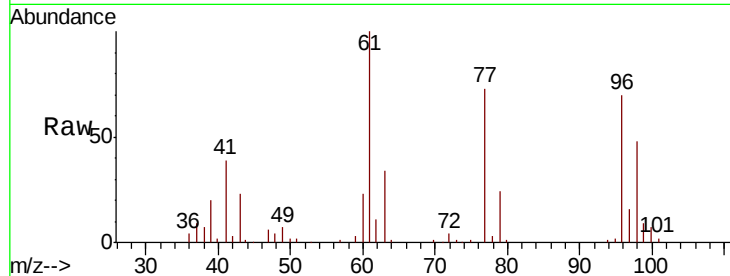


#27

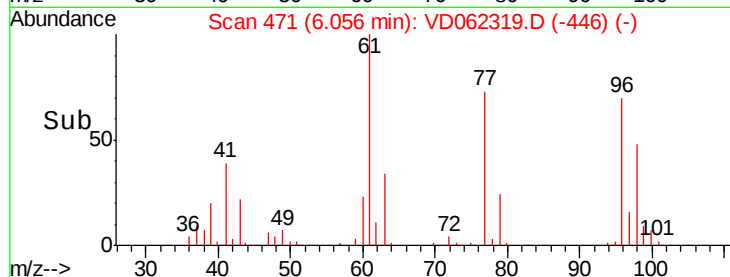
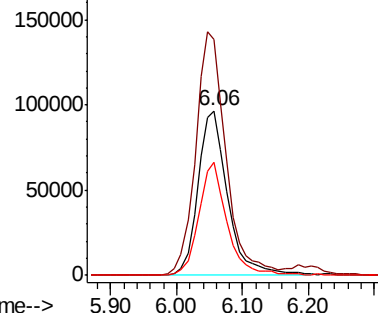
cis-1,2-Dichloroethene
Concen: 49.447 ug/l
RT: 6.06 min Scan# 471
Delta R.T. 0.05 min
Lab File: VD062319.D
Acq: 13 May 2019 22:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 96 Resp: 304338
Ion Ratio Lower Upper
96 100
61 143.1 0.0 279.8
98 68.4 0.0 136.0



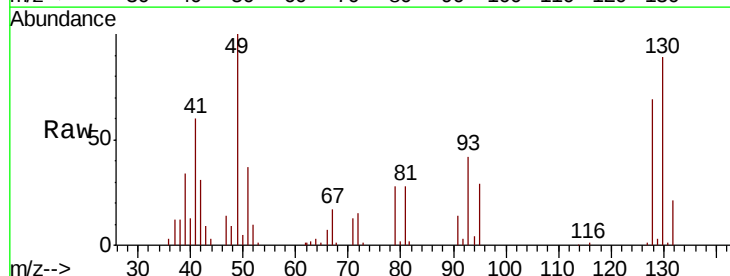
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



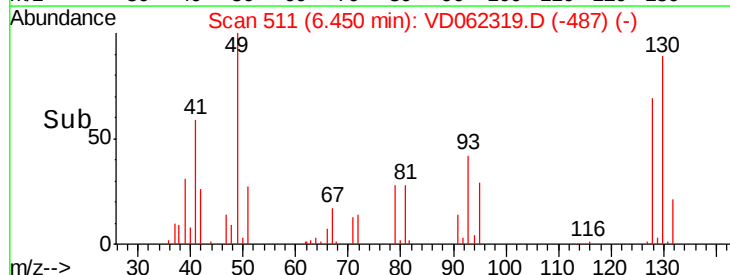
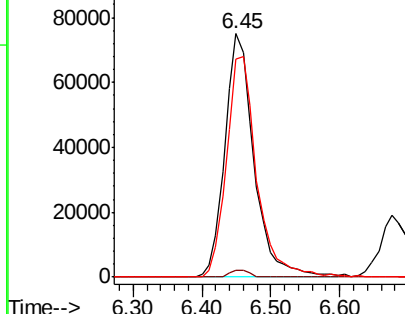
#28

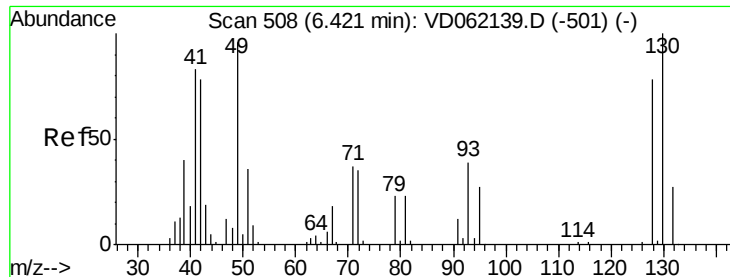
Bromochloromethane
Concen: 60.633 ug/l
RT: 6.45 min Scan# 511
Delta R.T. 0.04 min
Lab File: VD062319.D
Acq: 13 May 2019 22:49

Tgt Ion: 49 Resp: 220024
Ion Ratio Lower Upper
49 100
129 2.6 0.0 6.6
130 89.4 86.7 130.1



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

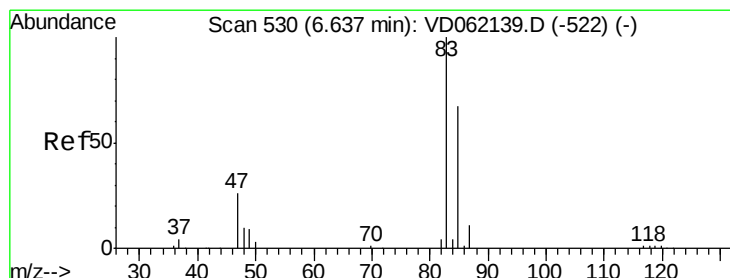
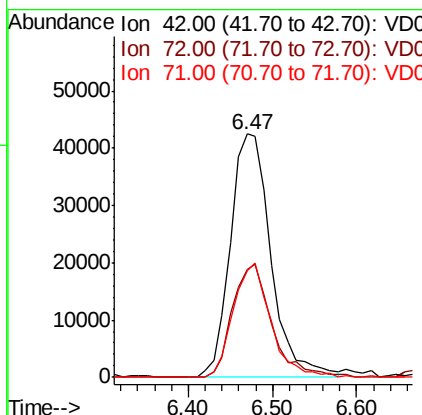
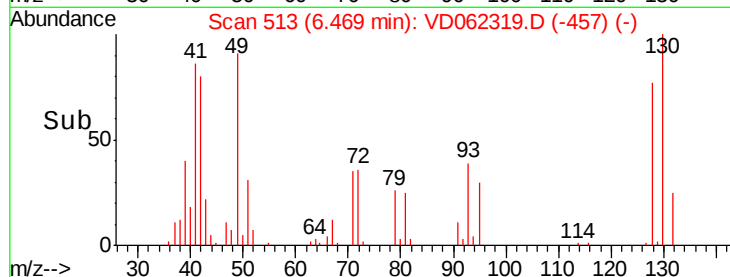
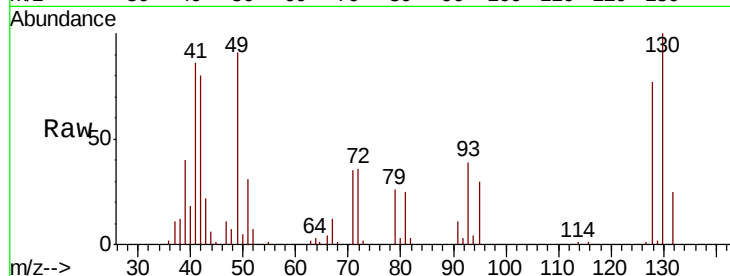




#29
Tetrahydrofuran
Concen: 224.496 ug/l
RT: 6.47 min Scan# 513
Delta R.T. 0.05 min
Lab File: VD062319.D
Acq: 13 May 2019 22:49

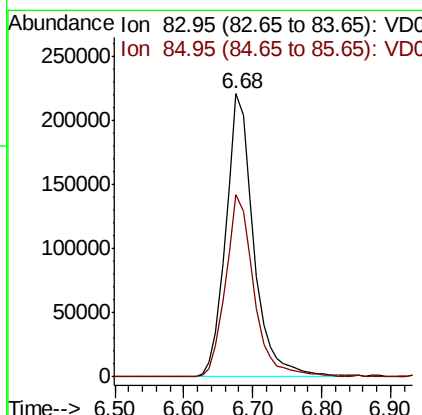
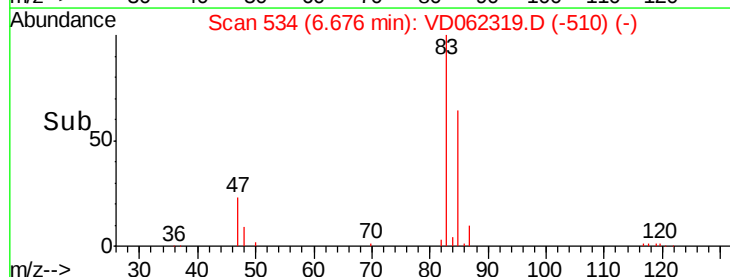
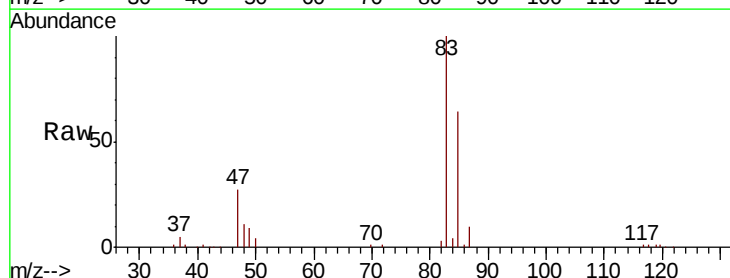
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

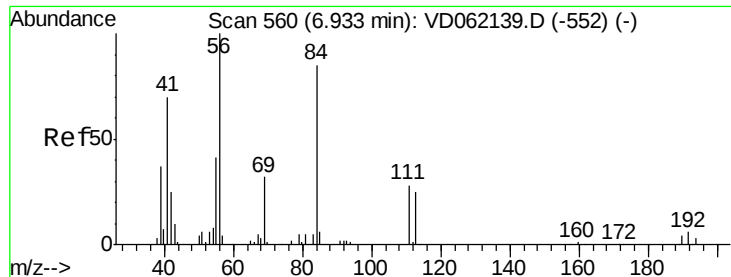
Tot Ion: 42 Resp: 142501
Ion Ratio Lower Upper
42 100
72 45.3 37.8 56.6
71 43.6 36.7 55.1



#30
Chloroform
Concen: 55.598 ug/l
RT: 6.68 min Scan# 534
Delta R.T. 0.04 min
Lab File: VD062319.D
Acq: 13 May 2019 22:49

Tgt Ion: 83 Resp: 618018
Ion Ratio Lower Upper
83 100
85 64.2 51.7 77.5

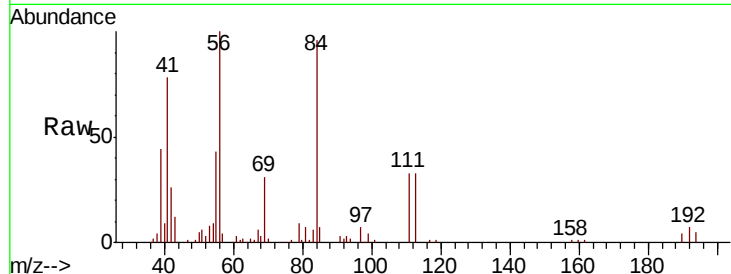




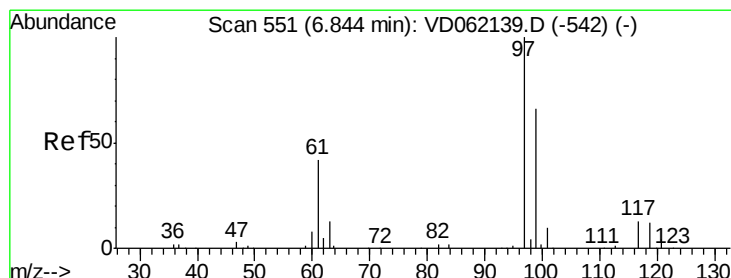
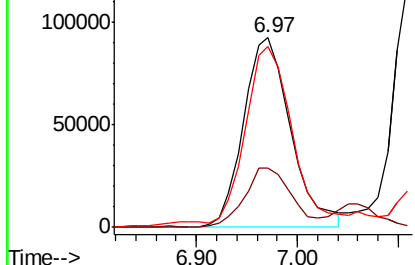
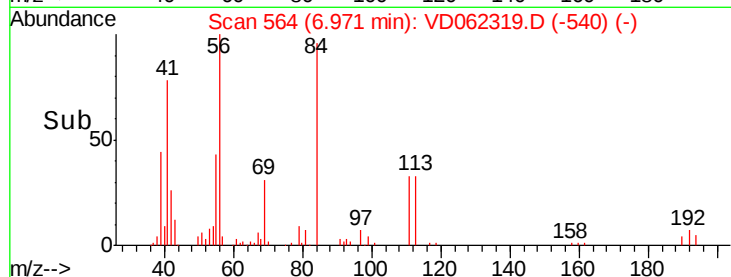
#31
Cyclohexane
Concen: 47.522 ug/l
RT: 6.97 min Scan# 564
Delta R.T. 0.04 min
Lab File: VD062319.D
Acq: 13 May 2019 22:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 300291
Ion Ratio Lower Upper
56 100
69 31.1 25.8 38.6
84 95.5 72.2 108.4

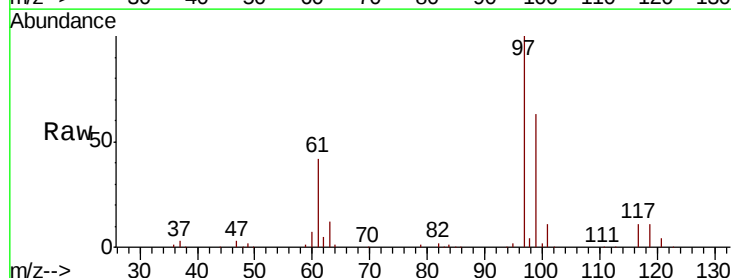


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

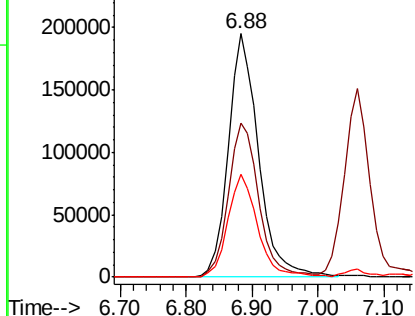
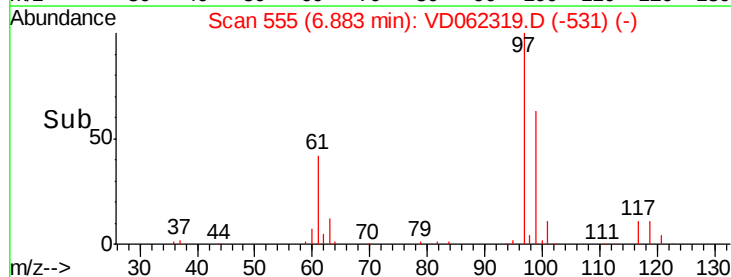


#32
1,1,1-Trichloroethane
Concen: 59.642 ug/l
RT: 6.88 min Scan# 555
Delta R.T. 0.04 min
Lab File: VD062319.D
Acq: 13 May 2019 22:49

Tgt Ion: 97 Resp: 626630
Ion Ratio Lower Upper
97 100
99 63.5 52.2 78.2
61 42.4 32.4 48.6



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC

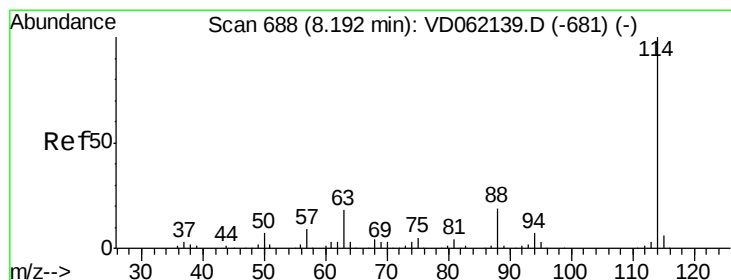
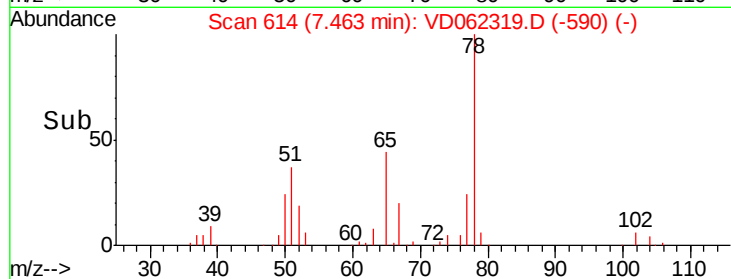
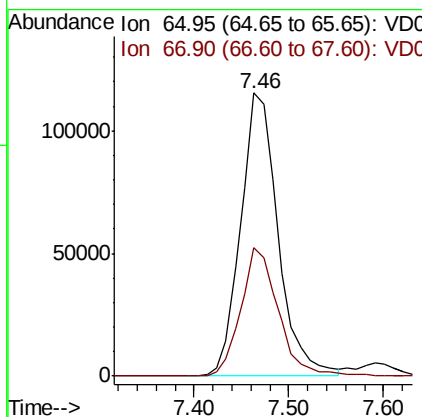
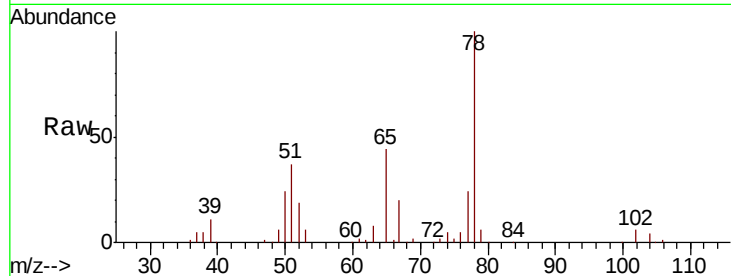




#33
 1,2-Dichloroethane-d4
 Concen: 52.535 ug/l
 RT: 7.46 min Scan# 614
 Delta R.T. 0.04 min
 Lab File: VD062319.D
 Acq: 13 May 2019 22:49

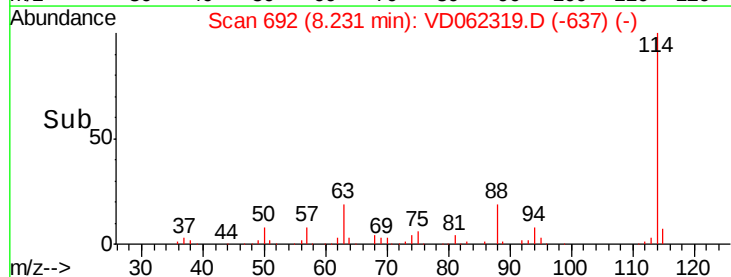
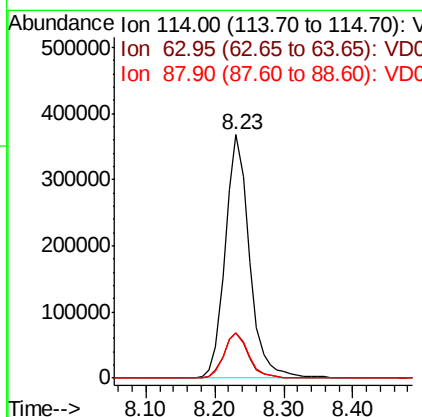
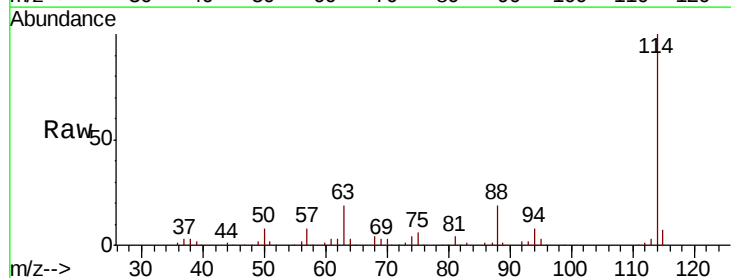
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

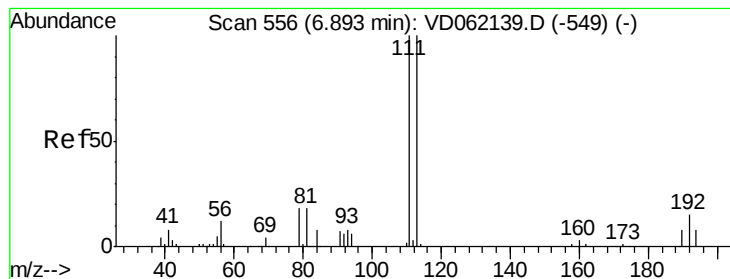
Tot Ion: 65 Resp: 316401
 Ion Ratio Lower Upper
 65 100
 67 45.5 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 692
 Delta R.T. 0.04 min
 Lab File: VD062319.D
 Acq: 13 May 2019 22:49

Tgt Ion: 114 Resp: 897854
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 32.4
 88 18.8 0.0 33.6





#35

Dibromofluoromethane

Concen: 49.848 ug/l

RT: 6.94 min Scan# 561

Delta R.T. 0.05 min

Lab File: VD062319.D

Acq: 13 May 2019 22:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

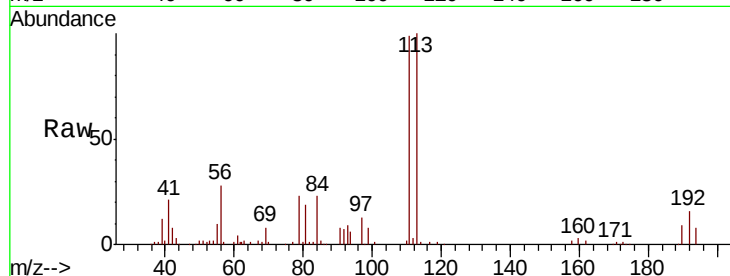
Tot Ion:113 Resp: 371345

Ion Ratio Lower Upper

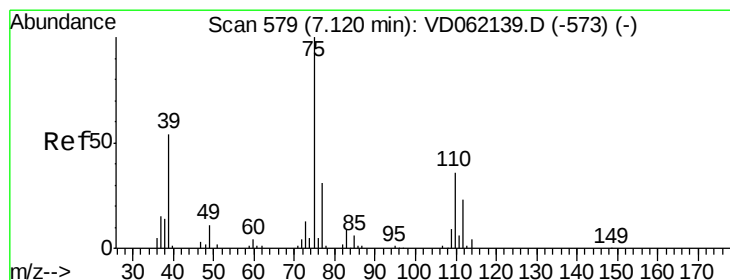
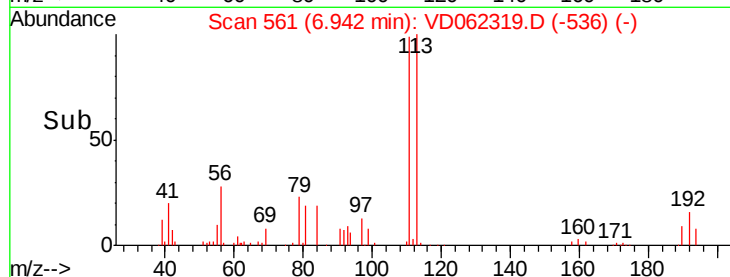
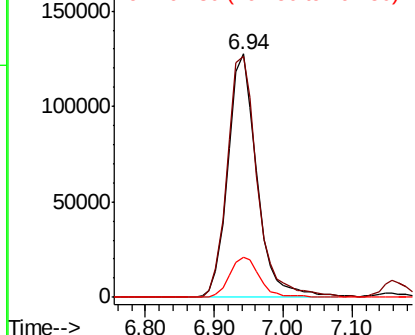
113 100

111 98.8 78.5 117.7

192 16.5 13.0 19.4



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



#36

1,1-Dichloropropene

Concen: 52.302 ug/l

RT: 7.16 min Scan# 583

Delta R.T. 0.04 min

Lab File: VD062319.D

Acq: 13 May 2019 22:49

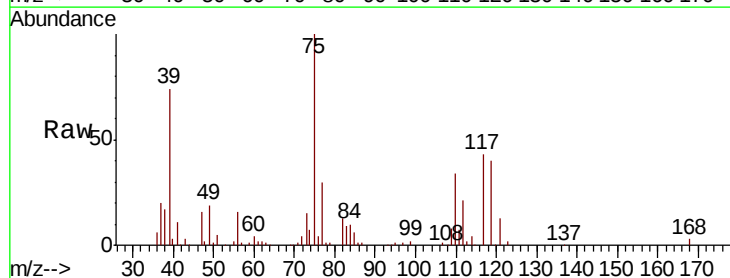
Tgt Ion: 75 Resp: 385022

Ion Ratio Lower Upper

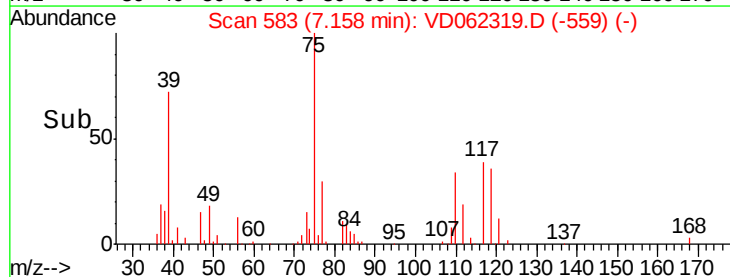
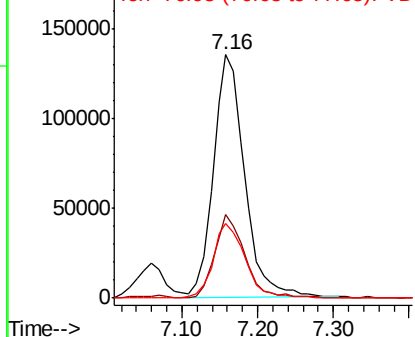
75 100

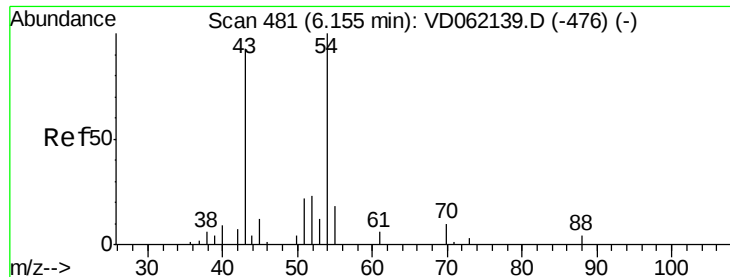
110 34.1 19.1 57.1

77 30.4 25.6 38.4



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





#37

Ethyl Acetate

Concen: 49.223 ug/l

RT: 6.20 min Scan# 486

Delta R.T. 0.05 min

Lab File: VD062139.D

Acq: 13 May 2019 22:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

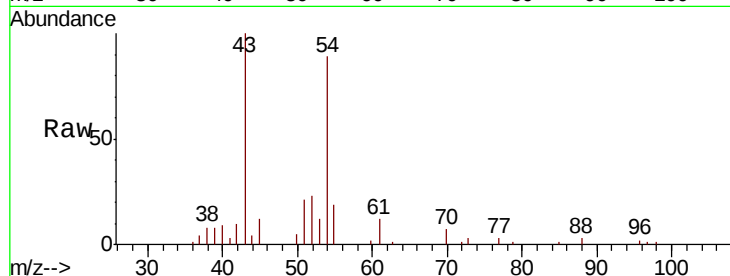
Tot Ion: 43 Resp: 153670

Ion Ratio Lower Upper

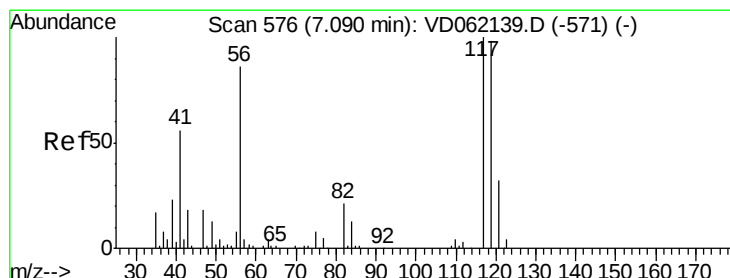
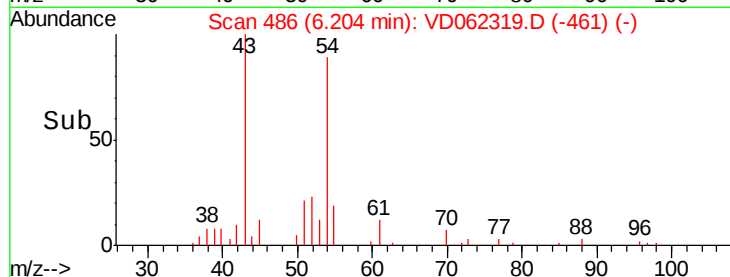
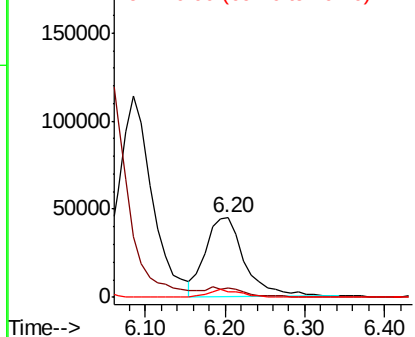
43 100

61 12.5 14.7 22.1#

70 7.5 7.8 11.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 62.580 ug/l

RT: 7.13 min Scan# 580

Delta R.T. 0.04 min

Lab File: VD062139.D

Acq: 13 May 2019 22:49

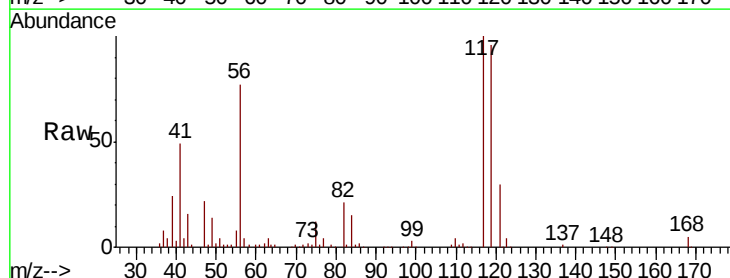
Tgt Ion: 117 Resp: 637629

Ion Ratio Lower Upper

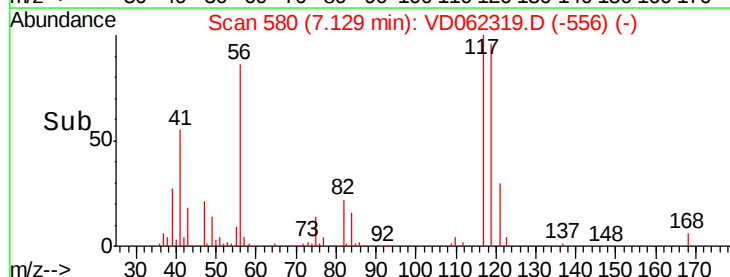
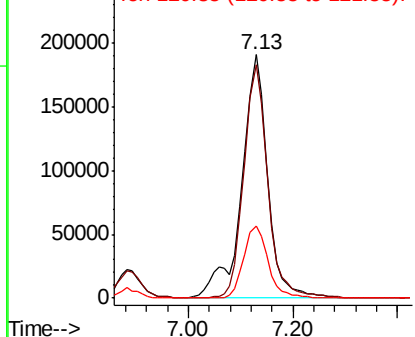
117 100

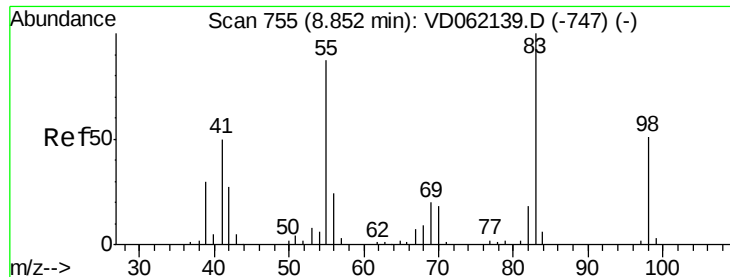
119 95.9 75.8 113.8

121 29.8 25.9 38.9



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

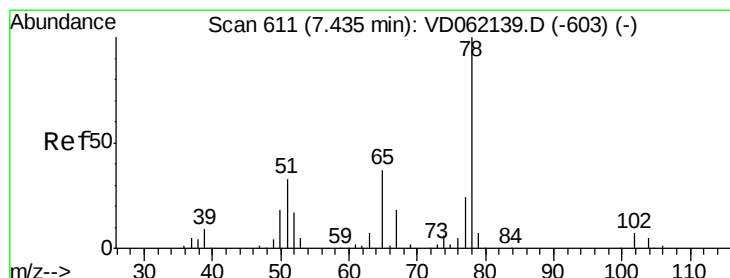
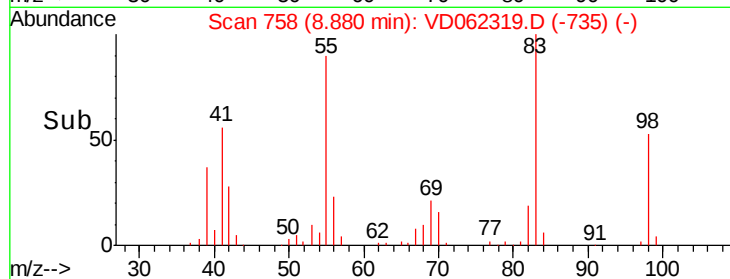
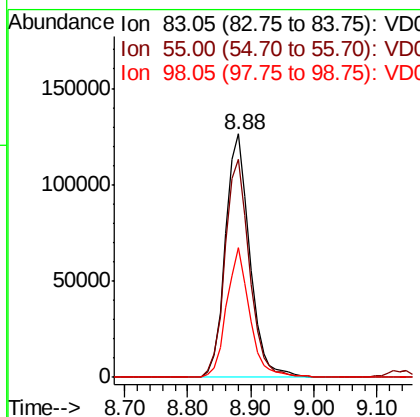
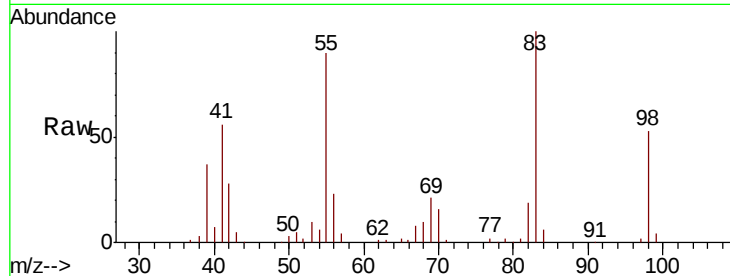




#39
Methvlcvclohexane
Concen: 47.916 ug/l
RT: 8.88 min Scan# 758
Delta R.T. 0.03 min
Lab File: VD062319.D
Acq: 13 May 2019 22:49

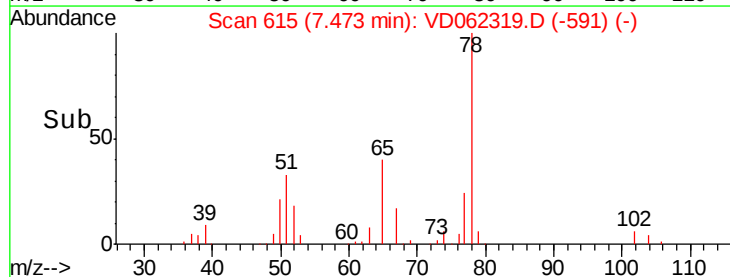
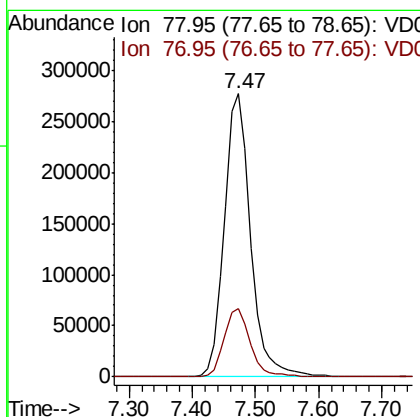
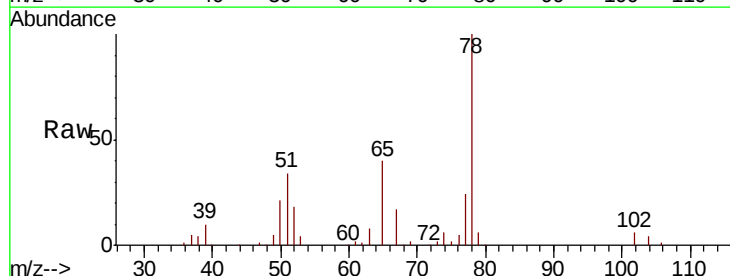
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

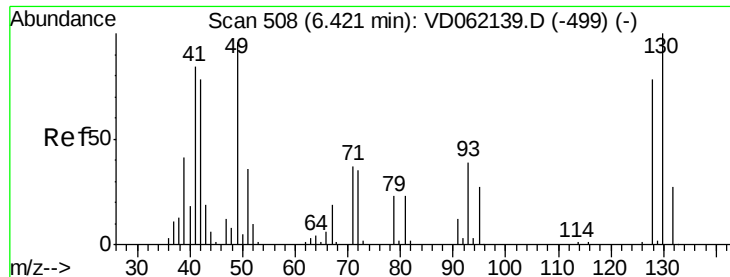
Tot Ion: 83 Resp: 337967
Ion Ratio Lower Upper
83 100
55 89.7 68.2 102.4
98 53.4 38.2 57.4



#40
Benzene
Concen: 47.874 ug/l
RT: 7.47 min Scan# 615
Delta R.T. 0.04 min
Lab File: VD062319.D
Acq: 13 May 2019 22:49

Tgt Ion: 78 Resp: 795824
Ion Ratio Lower Upper
78 100
77 24.3 19.7 29.5

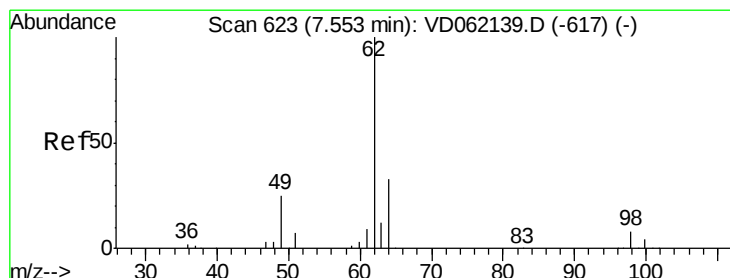
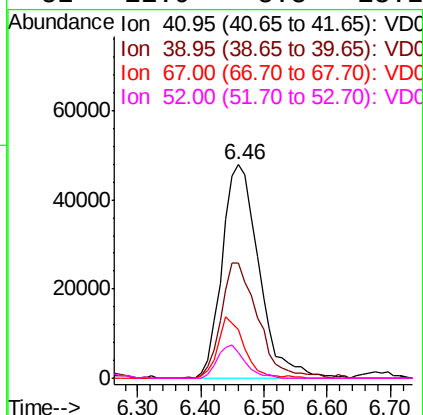
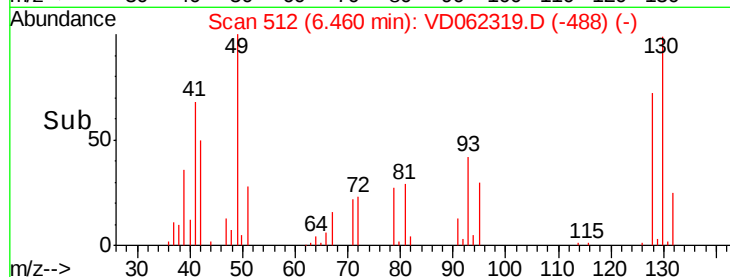
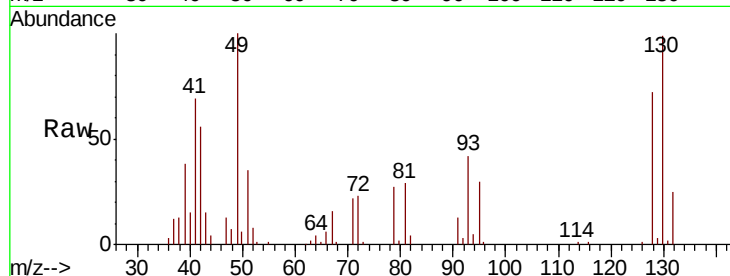




#41
Methacrylonitrile
Concen: 50.955 ug/l
RT: 6.46 min Scan# 512
Delta R.T. 0.04 min
Lab File: VD062139.D
Acq: 13 May 2019 22:49

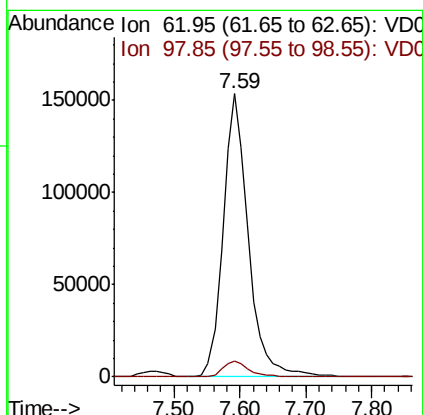
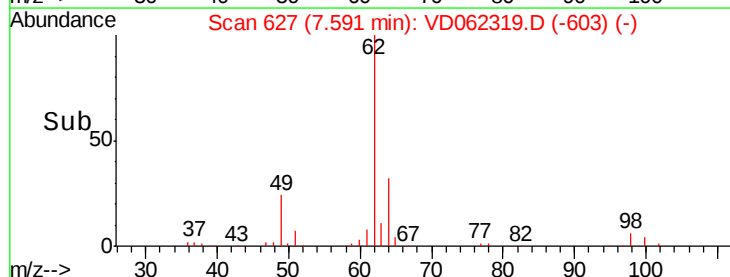
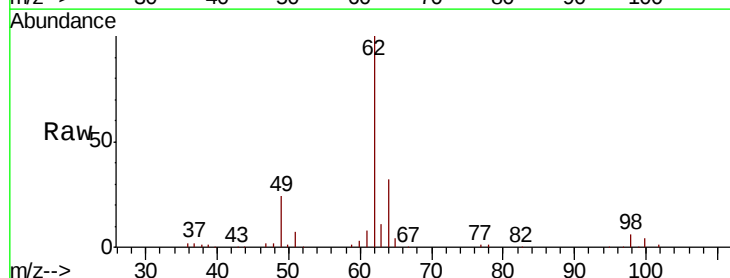
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 41 Resp: 194400
Ion Ratio Lower Upper
41 100
39 54.2 34.1 51.1#
67 23.0 23.8 35.6#
52 11.9 8.8 13.2



#42
1,2-Dichloroethane
Concen: 57.694 ug/l
RT: 7.59 min Scan# 627
Delta R.T. 0.04 min
Lab File: VD062139.D
Acq: 13 May 2019 22:49

Tgt Ion: 62 Resp: 406342
Ion Ratio Lower Upper
62 100
98 5.5 0.0 17.8



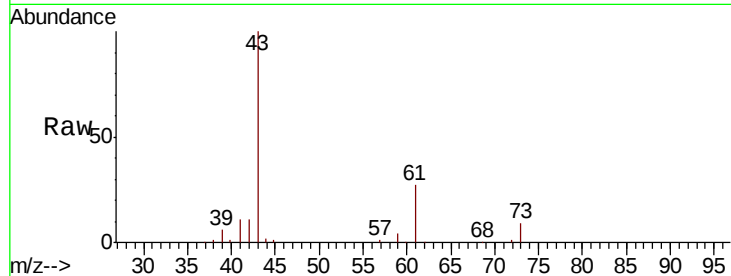


#43

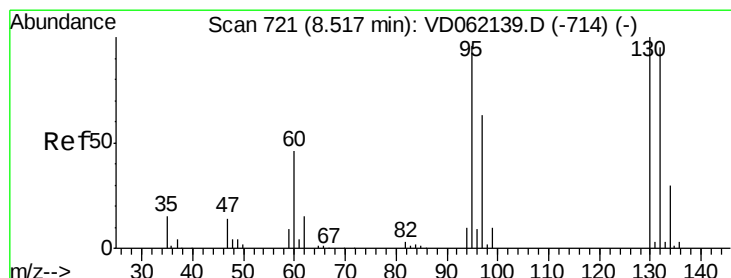
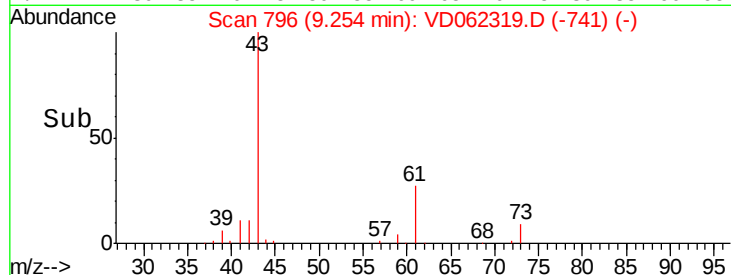
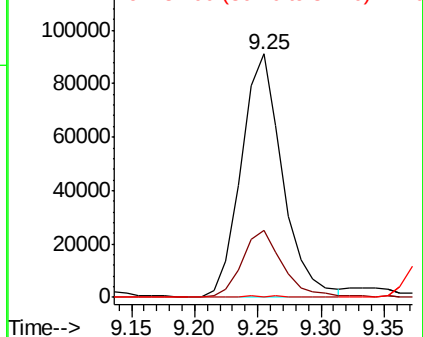
Isopropyl Acetate
 Concen: 46.849 ug/l
 RT: 9.25 min Scan# 796
 Delta R.T. 0.04 min
 Lab File: VD062139.D
 Acq: 13 May 2019 22:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 207430
 Ion Ratio Lower Upper
 43 100
 61 27.3 25.1 37.7
 87 0.0 0.0 0.0



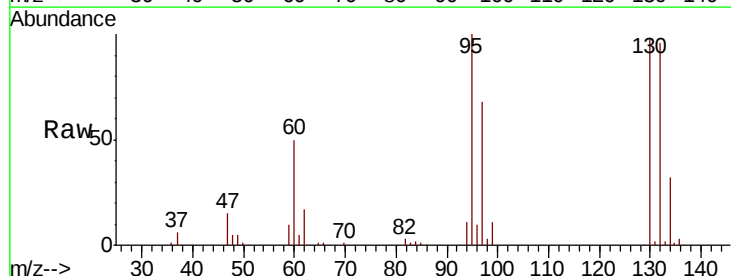
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



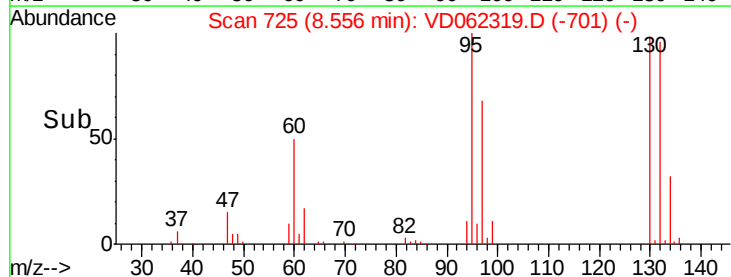
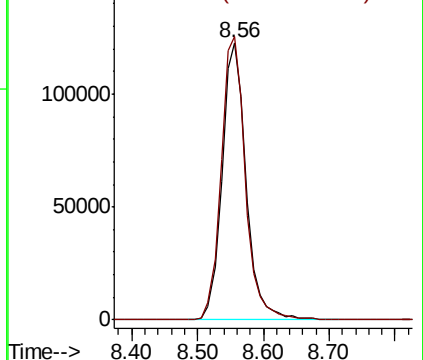
#44

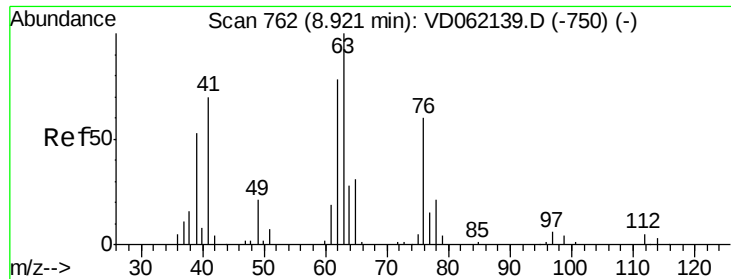
Trichloroethene
 Concen: 49.347 ug/l
 RT: 8.56 min Scan# 725
 Delta R.T. 0.04 min
 Lab File: VD062139.D
 Acq: 13 May 2019 22:49

Tgt Ion: 130 Resp: 312583
 Ion Ratio Lower Upper
 130 100
 95 102.1 0.0 174.0



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





#45

1,2-Dichloropropane

Concen: 48.348 ug/l

RT: 8.95 min Scan# 765

Delta R.T. 0.03 min

Lab File: VD062139.D

Acq: 13 May 2019 22:49

Instrument :

MSVOA_D

ClientSampleId :

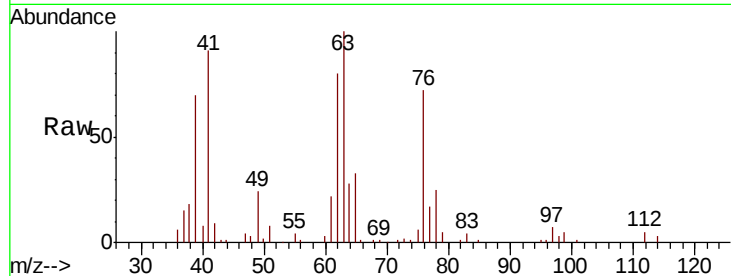
VSTDCCC050

Tot Ion: 63 Resp: 198794

Ion Ratio Lower Upper

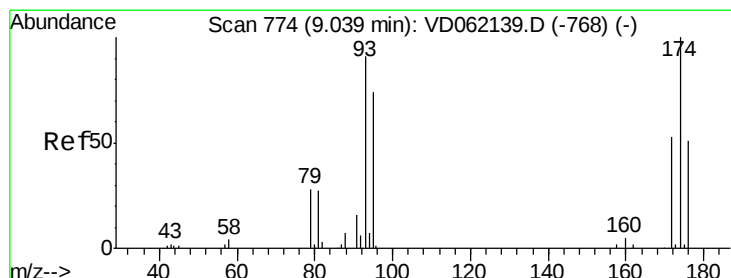
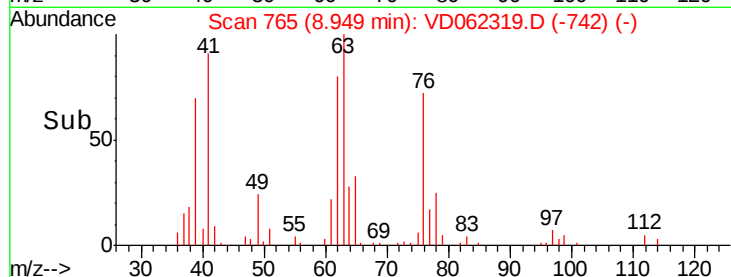
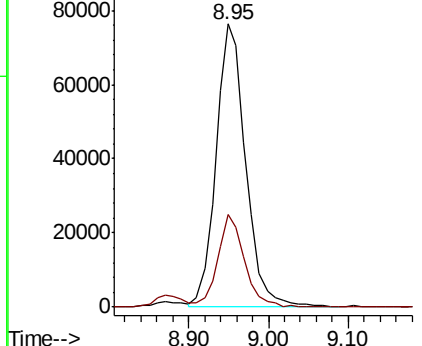
63 100

65 32.7 23.8 35.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 52.548 ug/l

RT: 9.08 min Scan# 778

Delta R.T. 0.04 min

Lab File: VD062139.D

Acq: 13 May 2019 22:49

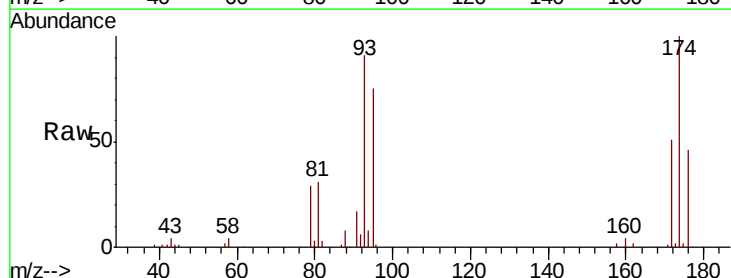
Tgt Ion: 93 Resp: 175703

Ion Ratio Lower Upper

93 100

95 82.6 64.8 97.2

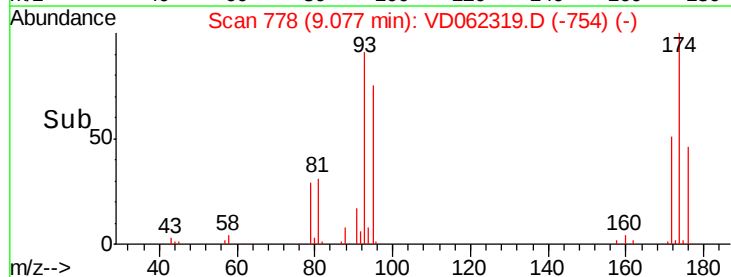
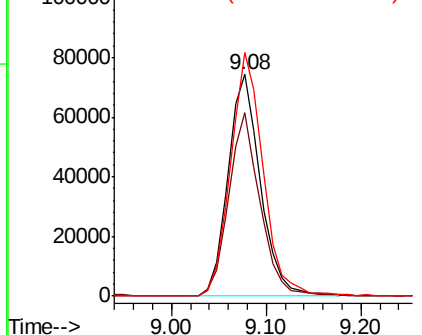
174 109.8 79.3 118.9



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): VDC





#47

Bromodichloromethane

Concen: 55.355 ug/l

RT: 9.39 min Scan# 810

Delta R.T. 0.04 min

Lab File: VD062139.D

Acq: 13 May 2019 22:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

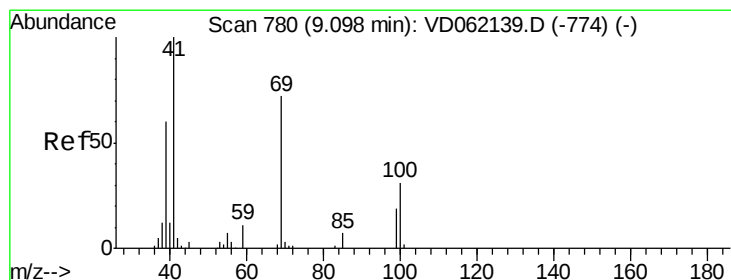
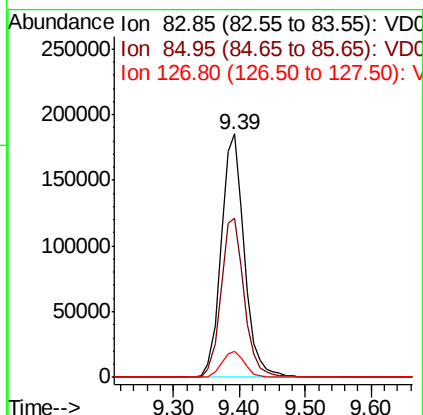
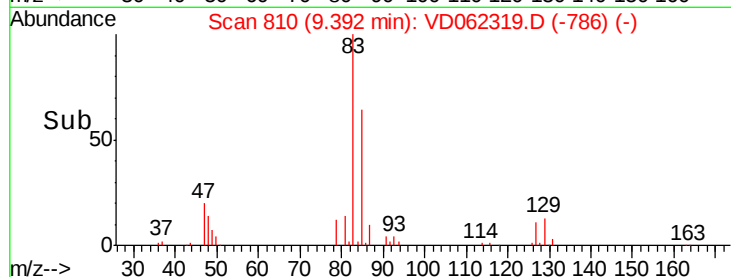
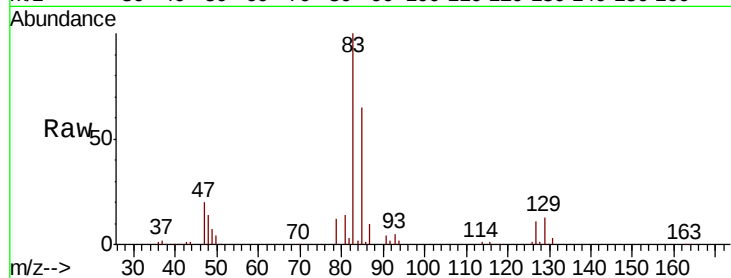
Tot Ion: 83 Resp: 452727

Ion Ratio Lower Upper

83 100

85 65.2 50.9 76.3

127 10.7 8.1 12.1



#48

Methyl methacrylate

Concen: 51.966 ug/l

RT: 9.14 min Scan# 784

Delta R.T. 0.04 min

Lab File: VD062139.D

Acq: 13 May 2019 22:49

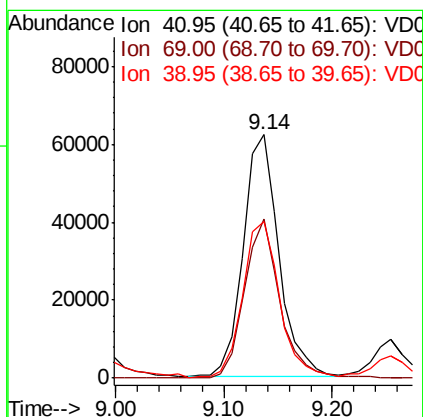
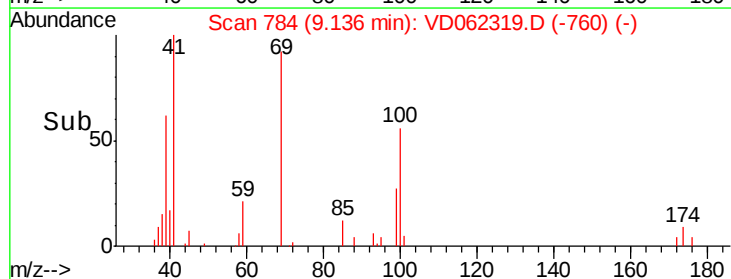
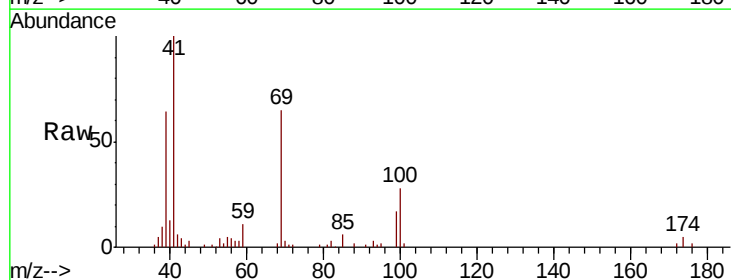
Tgt Ion: 41 Resp: 141723

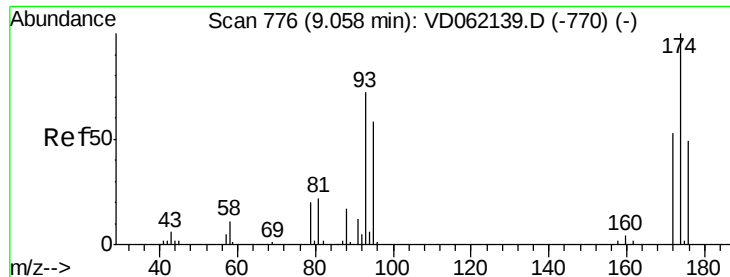
Ion Ratio Lower Upper

41 100

69 65.3 64.2 96.2

39 64.3 46.8 70.2





#49

1,4-Dioxane

Concen: 901.806 ug/l

RT: 9.10 min Scan# 780

Delta R.T. 0.04 min

Lab File: VD062139.D

Acq: 13 May 2019 22:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

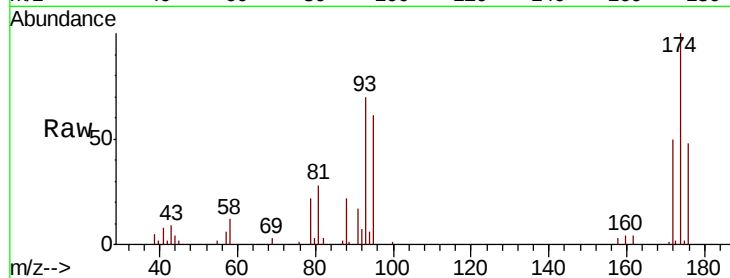
Tot Ion: 88 Resp: 26536

Ion Ratio Lower Upper

88 100

43 40.1 23.4 35.0#

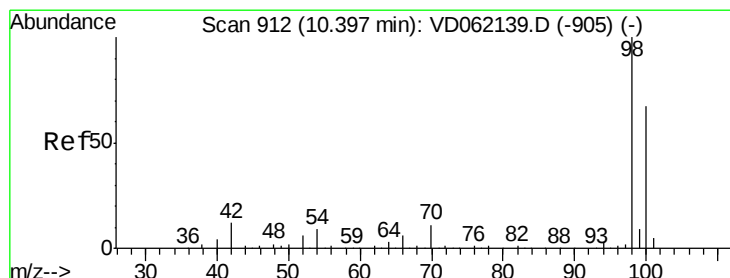
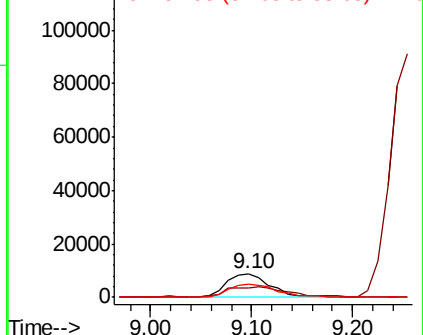
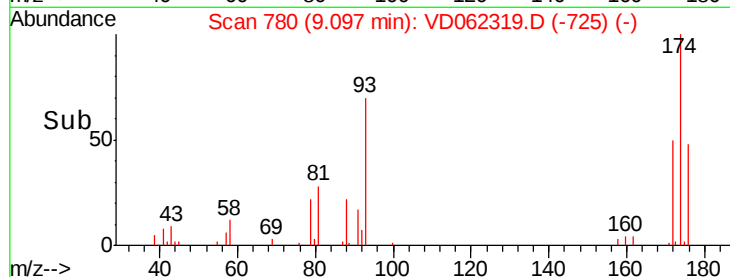
58 53.9 44.0 66.0



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: 41.912 ug/l

RT: 10.43 min Scan# 915

Delta R.T. 0.03 min

Lab File: VD062139.D

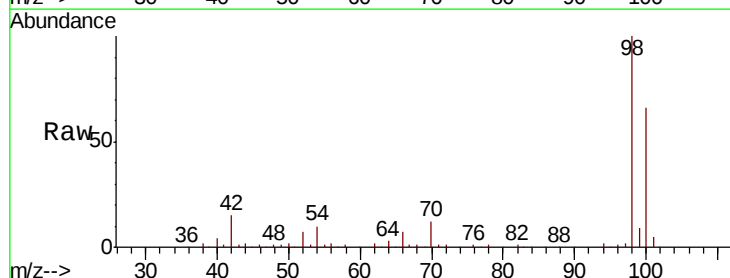
Acq: 13 May 2019 22:49

Tgt Ion: 98 Resp: 752798

Ion Ratio Lower Upper

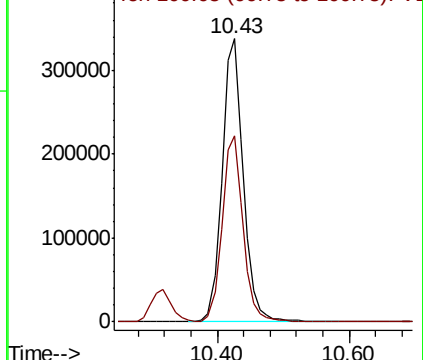
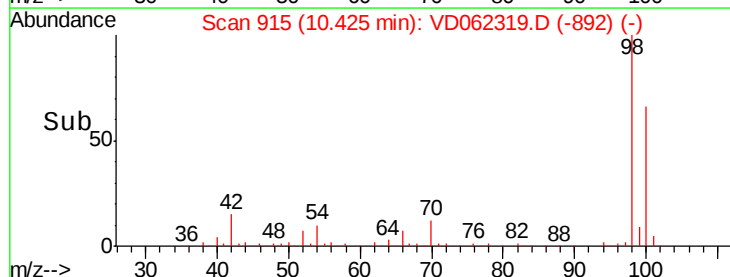
98 100

100 65.6 53.8 80.8



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: 263.240 ug/l

RT: 10.32 min Scan# 904

Delta R.T. 0.04 min

Lab File: VD062319.D

Acq: 13 May 2019 22:49

Instrument :

MSVOA_D

ClientSampleId :

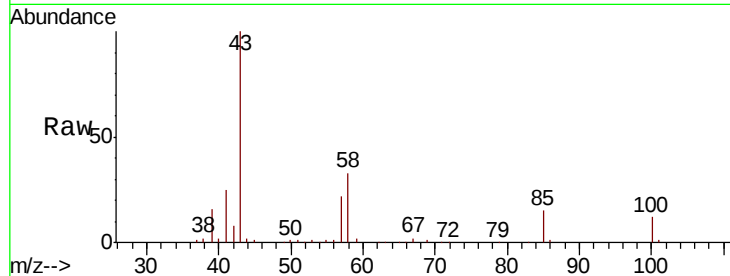
VSTDCCC050

Tot Ion: 43 Resp: 749208

Ion Ratio Lower Upper

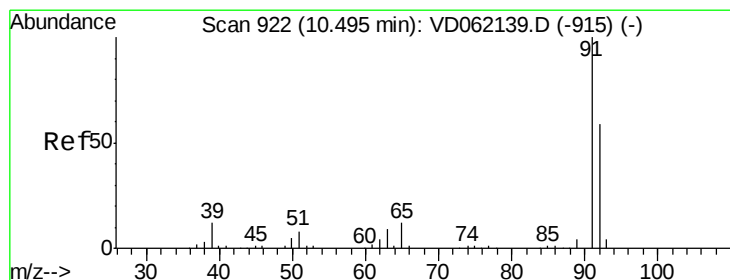
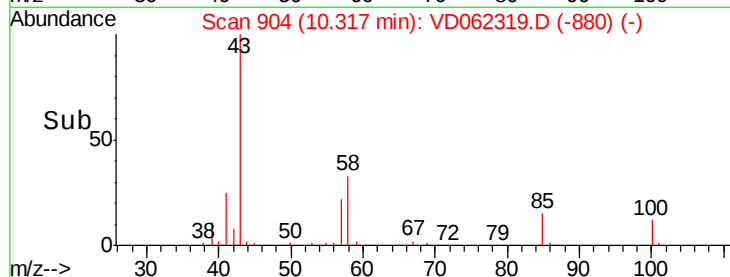
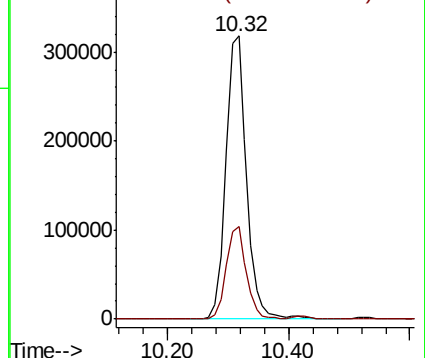
43 100

58 32.5 30.4 45.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 48.114 ug/l

RT: 10.52 min Scan# 925

Delta R.T. 0.03 min

Lab File: VD062319.D

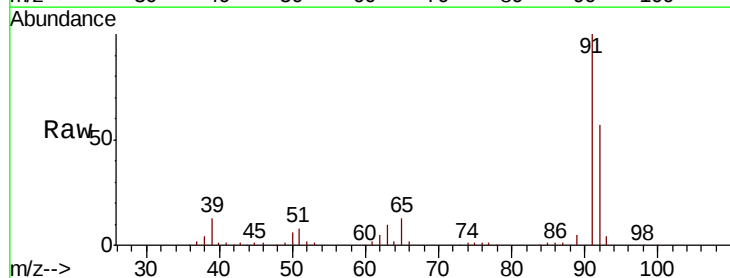
Acq: 13 May 2019 22:49

Tgt Ion: 92 Resp: 520386

Ion Ratio Lower Upper

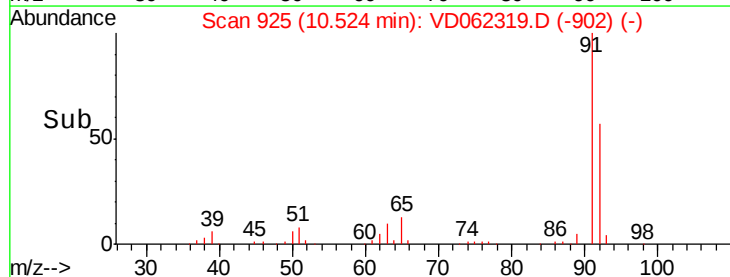
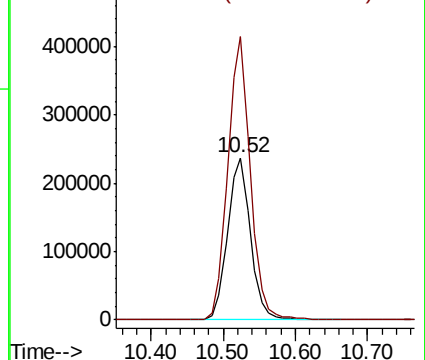
92 100

91 174.3 136.6 204.8



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: 51.110 ug/l

RT: 10.93 min Scan# 966

Delta R.T. 0.03 min

Lab File: VD062319.D

Acq: 13 May 2019 22:49

Instrument :

MSVOA_D

ClientSampleId :

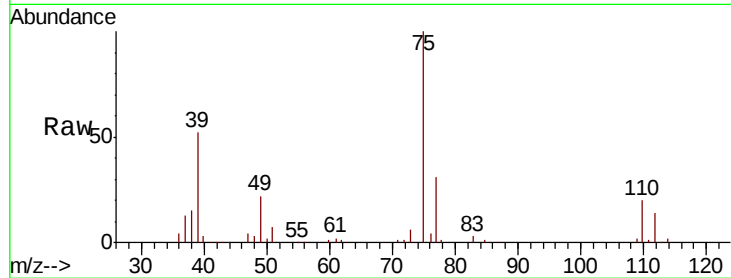
VSTDCCC050

Tot Ion: 75 Resp: 361282

Ion Ratio Lower Upper

75 100

77 30.9 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

10.93

200000

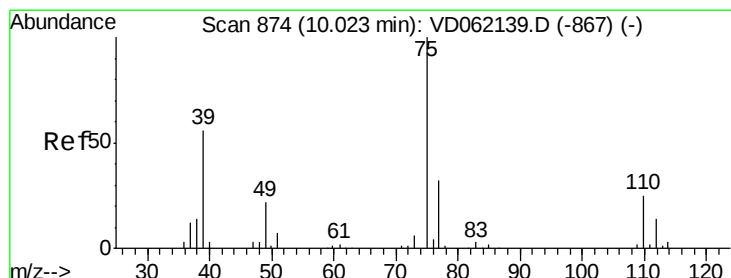
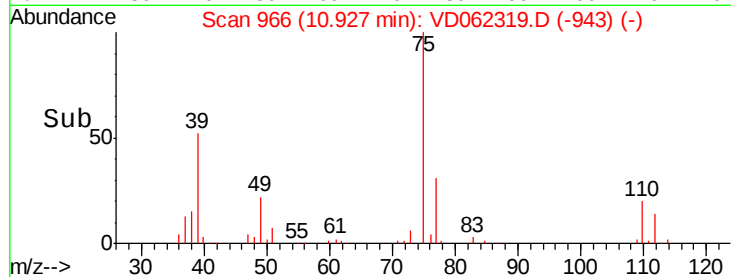
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 50.696 ug/l

RT: 10.05 min Scan# 877

Delta R.T. 0.03 min

Lab File: VD062319.D

Acq: 13 May 2019 22:49

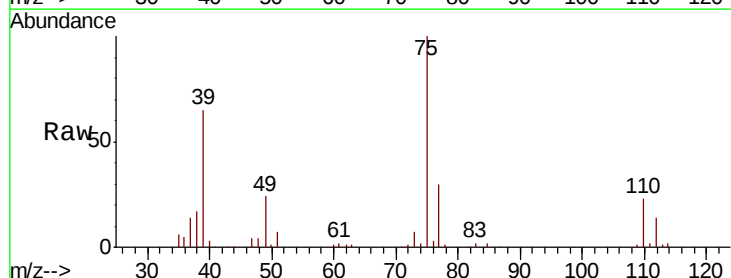
Tgt Ion: 75 Resp: 390936

Ion Ratio Lower Upper

75 100

77 29.9 25.5 38.3

39 65.2 39.4 59.2#



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

250000

200000

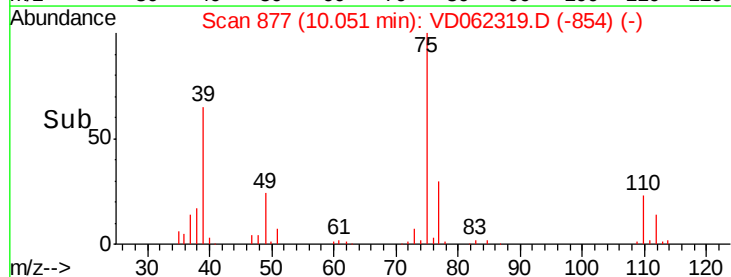
150000

100000

50000

0

Time-->

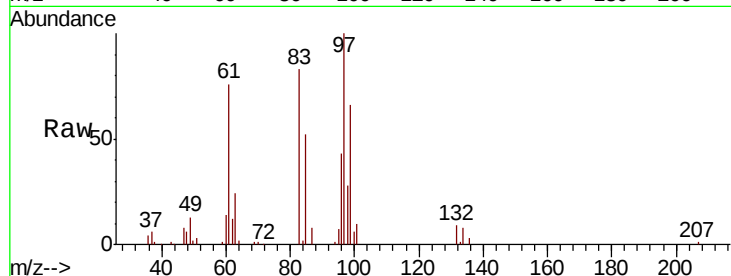




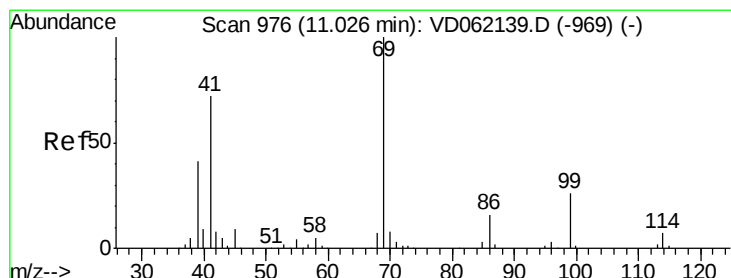
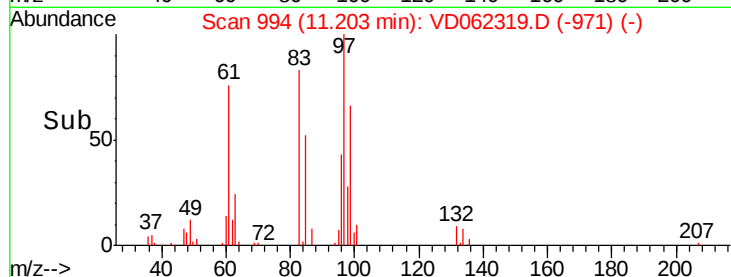
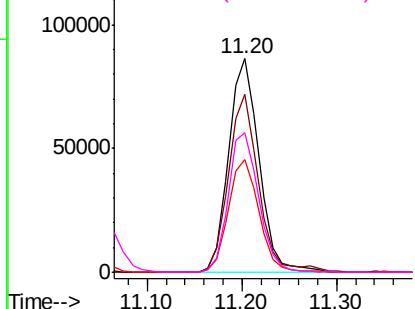
#55
 1,1,2-Trichloroethane
 Concen: 50.211 ug/l
 RT: 11.20 min Scan# 994
 Delta R.T. 0.03 min
 Lab File: VD062319.D
 Acq: 13 May 2019 22:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	192151
Ion	Ratio	Lower	Upper
97	100		
83	83.2	65.7	98.5
85	52.5	45.6	68.4
99	65.6	48.4	72.6

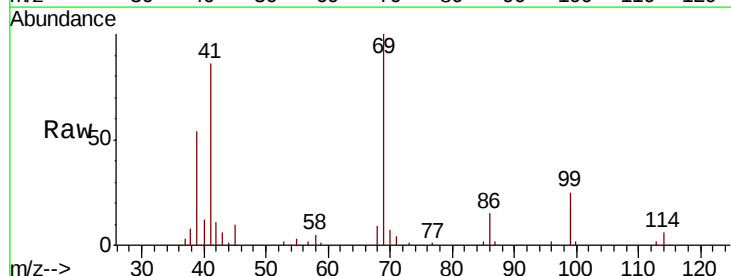


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

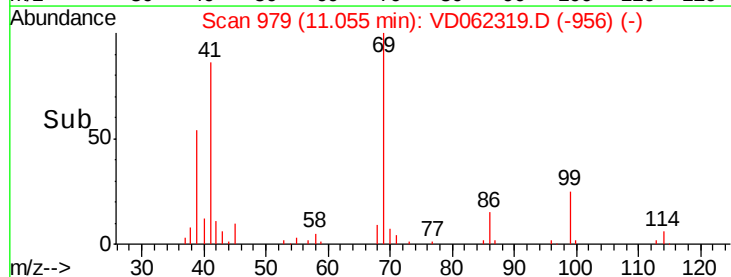
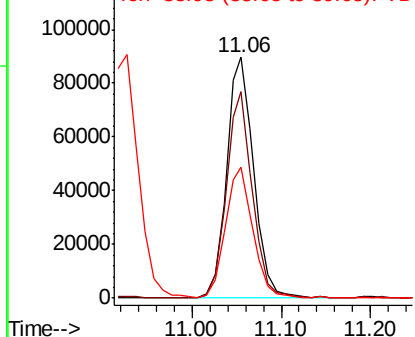


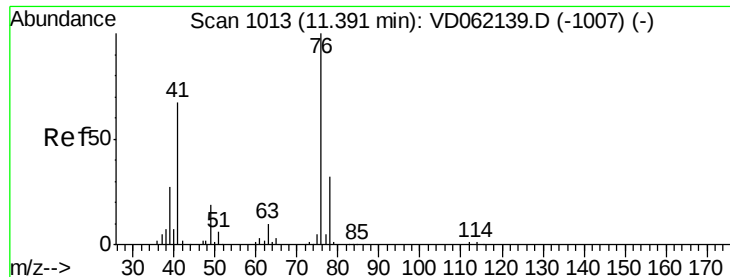
#56
 Ethyl methacrylate
 Concen: 47.898 ug/l
 RT: 11.06 min Scan# 979
 Delta R.T. 0.03 min
 Lab File: VD062319.D
 Acq: 13 May 2019 22:49

Tgt Ion:	69	Resp:	190476
Ion	Ratio	Lower	Upper
69	100		
41	85.8	56.3	84.5#
39	54.4	29.4	44.2#



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: 48.339 ug/l

RT: 11.42 min Scan# 1016

Delta R.T. 0.03 min

Lab File: VD062319.D

Acq: 13 May 2019 22:49

Instrument :

MSVOA_D

ClientSampleId :

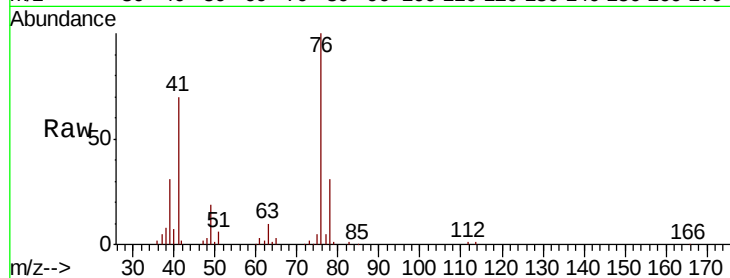
VSTDCCC050

Tot Ion: 76 Resp: 279468

Ion Ratio Lower Upper

76 100

78 30.8 26.2 39.2



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

11.42

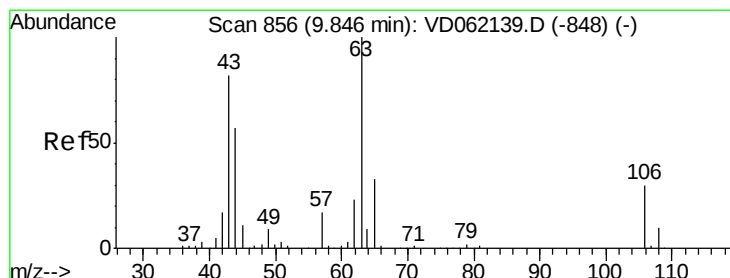
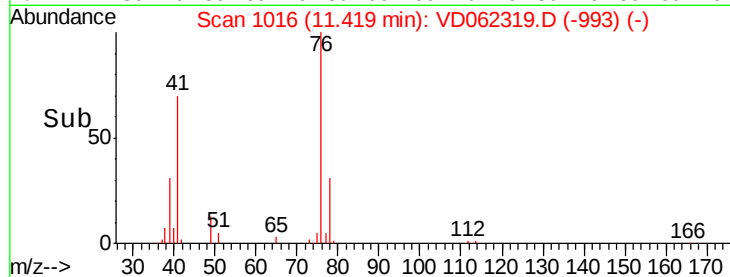
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 276.798 ug/l

RT: 9.87 min Scan# 859

Delta R.T. 0.03 min

Lab File: VD062319.D

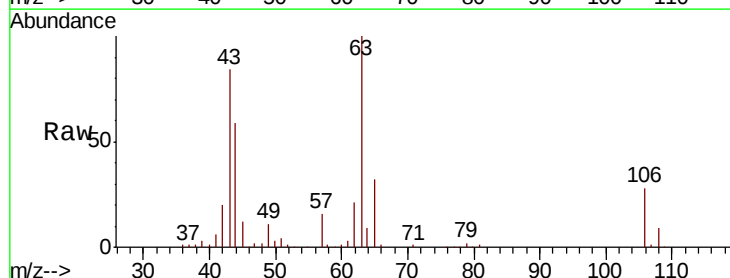
Acq: 13 May 2019 22:49

Tgt Ion: 63 Resp: 601261

Ion Ratio Lower Upper

63 100

106 28.4 22.6 34.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

9.87

300000

250000

200000

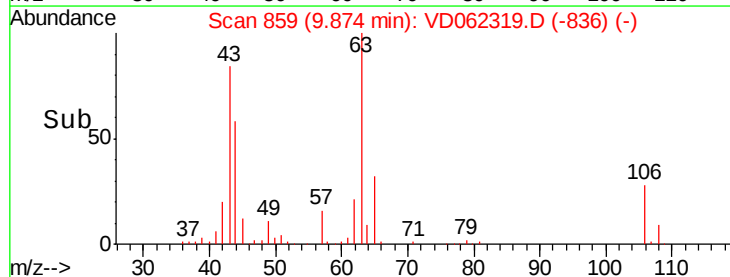
150000

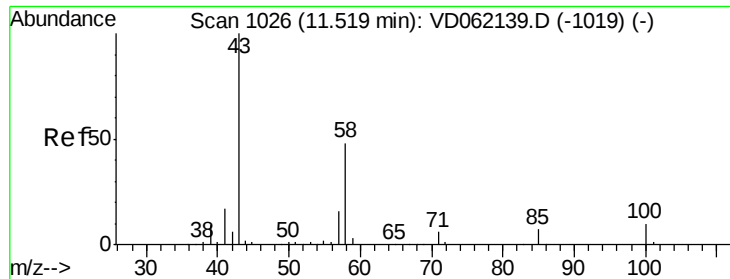
100000

50000

0

Time-->

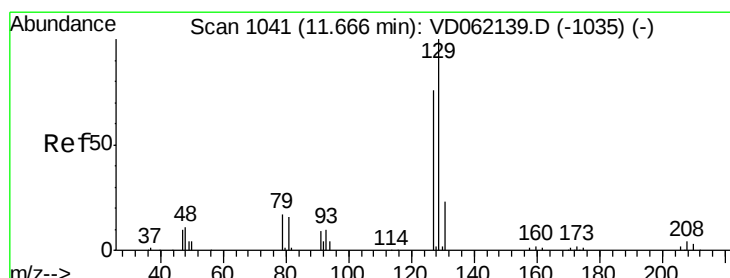
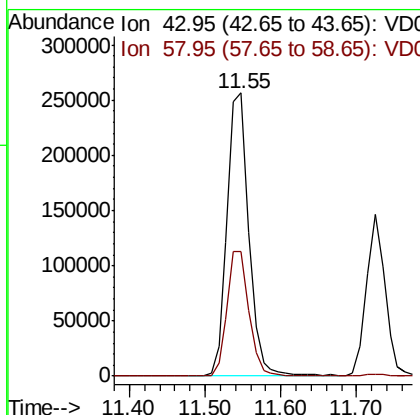
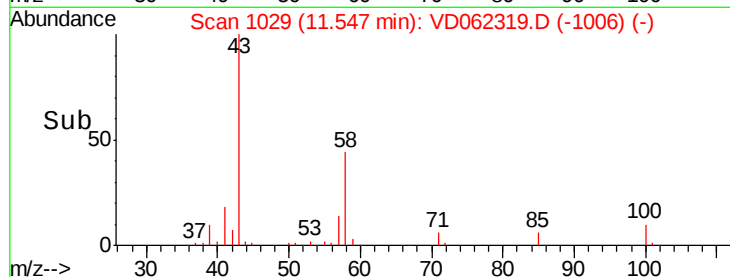
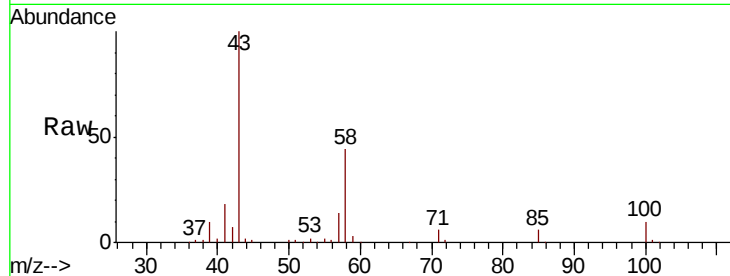




#59
2-Hexanone
Concen: 242.658 ug/l
RT: 11.55 min Scan# 1029
Delta R.T. 0.03 min
Lab File: VD062319.D
Acq: 13 May 2019 22:49

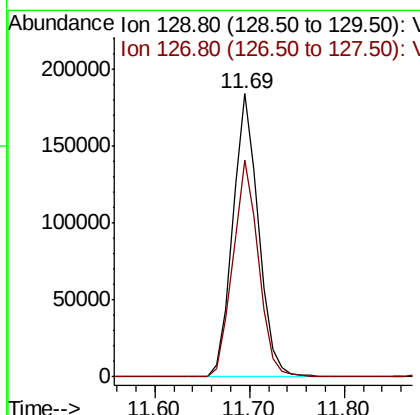
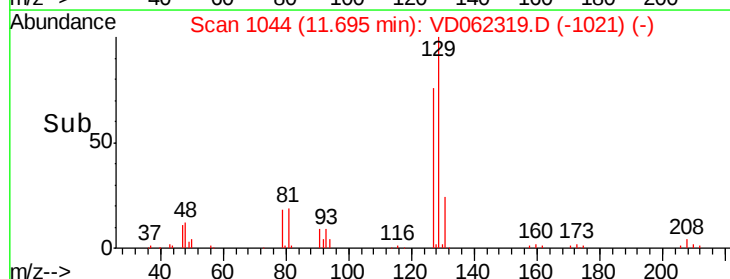
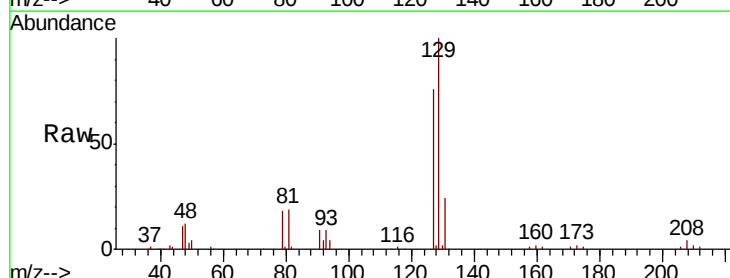
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 509020
Ion Ratio Lower Upper
43 100
58 44.1 25.4 76.4



#60
Dibromochloromethane
Concen: 52.224 ug/l
RT: 11.69 min Scan# 1044
Delta R.T. 0.03 min
Lab File: VD062319.D
Acq: 13 May 2019 22:49

Tgt Ion: 129 Resp: 345389
Ion Ratio Lower Upper
129 100
127 76.4 38.0 113.9

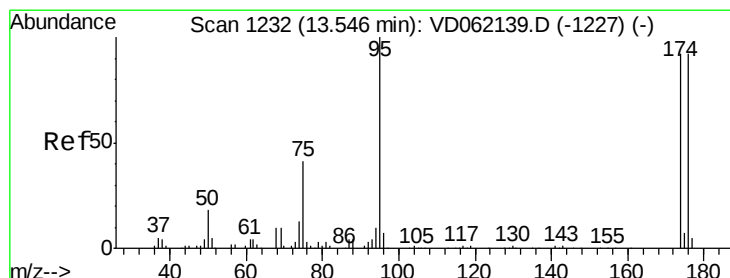
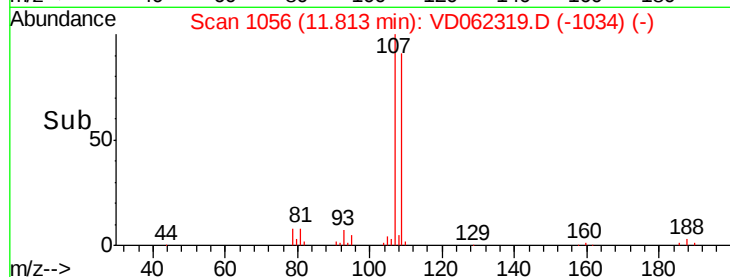
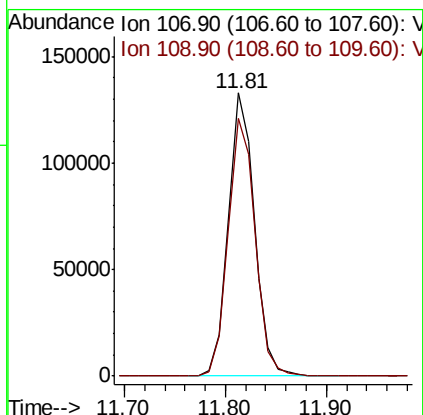
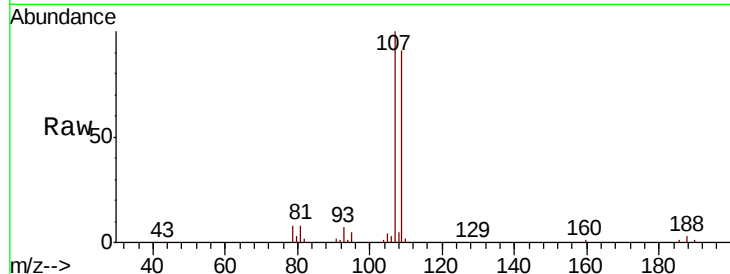




#61
 1,2-Dibromoethane
 Concen: 51.239 ug/l
 RT: 11.81 min Scan# 1056
 Delta R.T. 0.02 min
 Lab File: VD062319.D
 Acq: 13 May 2019 22:49

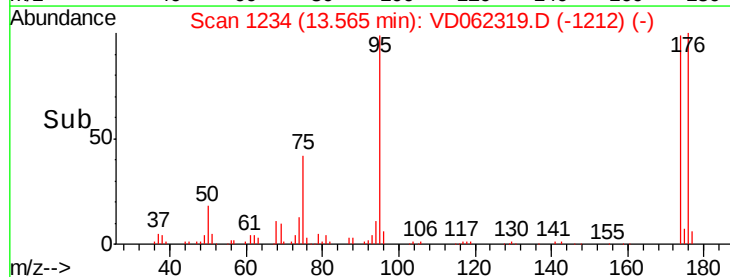
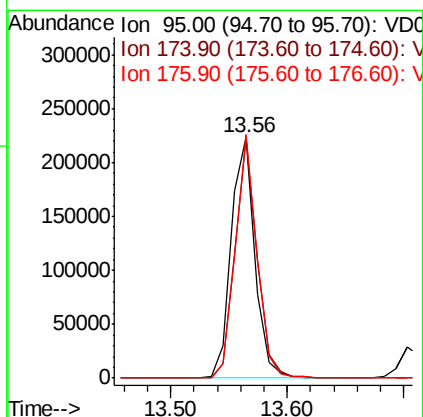
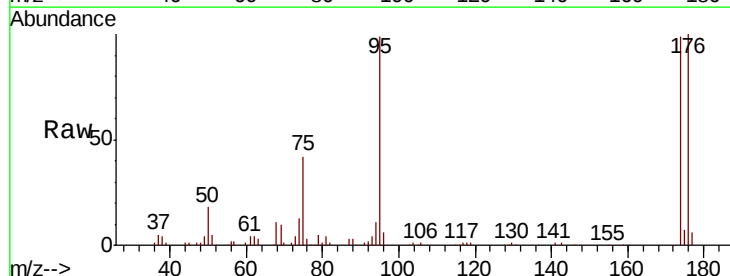
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:107 Resp: 238394
 Ion Ratio Lower Upper
 107 100
 109 91.2 78.3 117.5



#62
 4-Bromofluorobenzene
 Concen: 43.471 ug/l
 RT: 13.56 min Scan# 1234
 Delta R.T. 0.02 min
 Lab File: VD062319.D
 Acq: 13 May 2019 22:49

Tgt Ion: 95 Resp: 313542
 Ion Ratio Lower Upper
 95 100
 174 99.8 0.0 181.8
 176 101.1 0.0 174.4

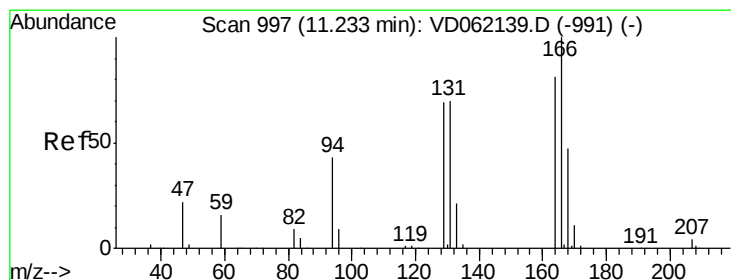
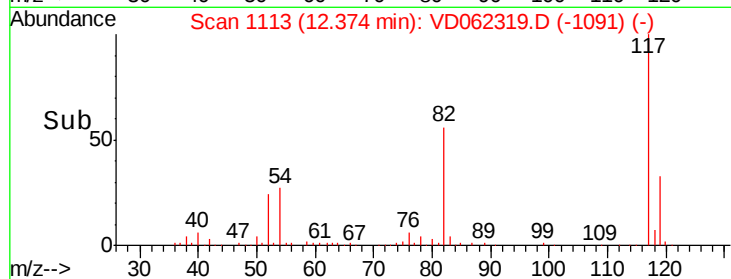
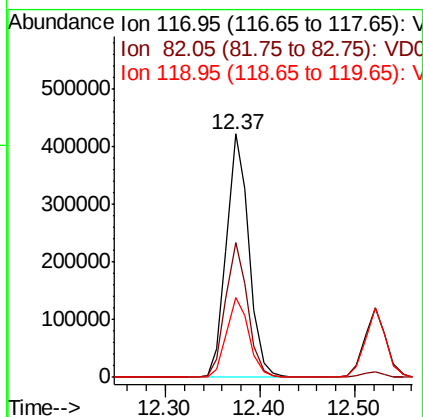
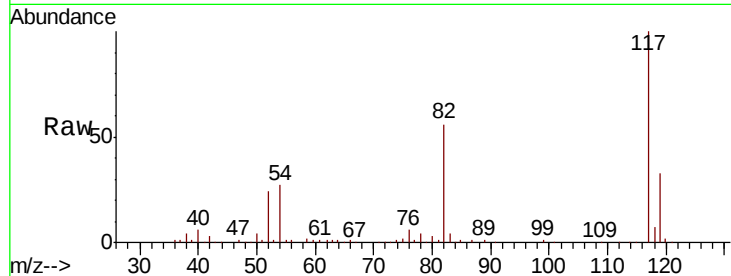




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD062319.D
Acq: 13 May 2019 22:49

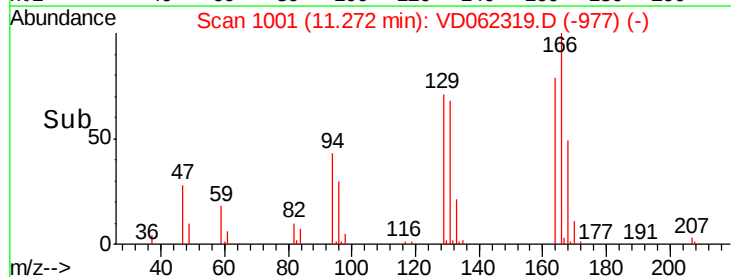
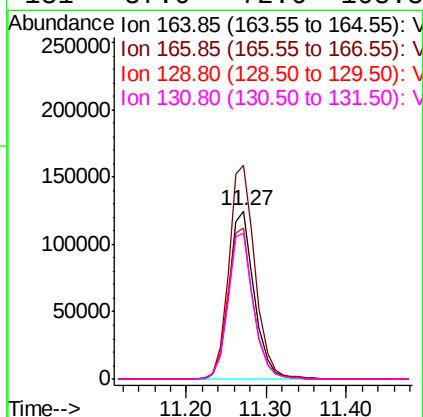
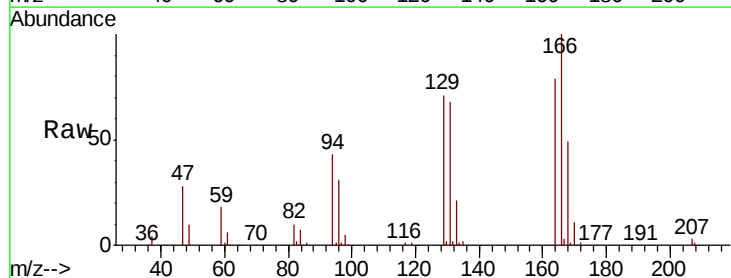
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

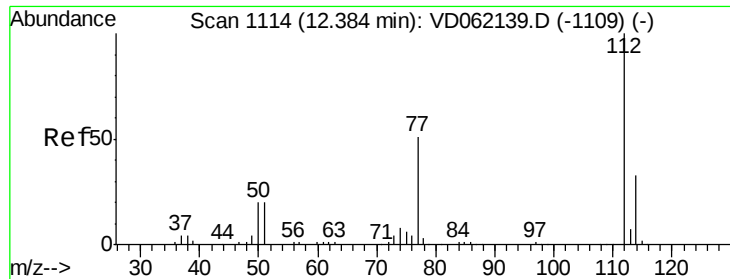
Tot Ion:117 Resp: 695453
Ion Ratio Lower Upper
117 100
82 55.5 36.2 54.2#
119 33.0 26.2 39.4



#64
Tetrachloroethene
Concen: 50.950 ug/l
RT: 11.27 min Scan# 1001
Delta R.T. 0.04 min
Lab File: VD062319.D
Acq: 13 May 2019 22:49

Tgt Ion:164 Resp: 277076
Ion Ratio Lower Upper
164 100
166 127.2 101.5 152.3
129 90.3 74.6 112.0
131 87.0 72.6 108.8

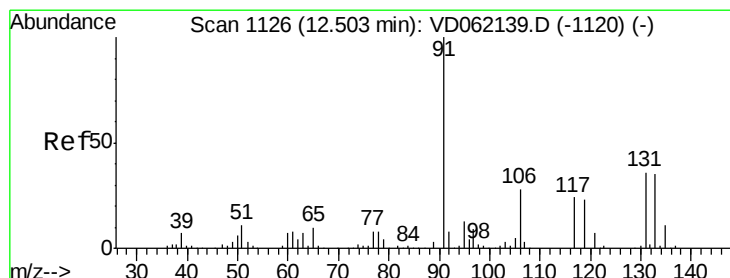
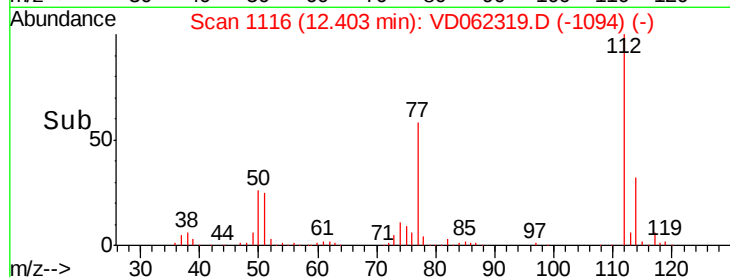
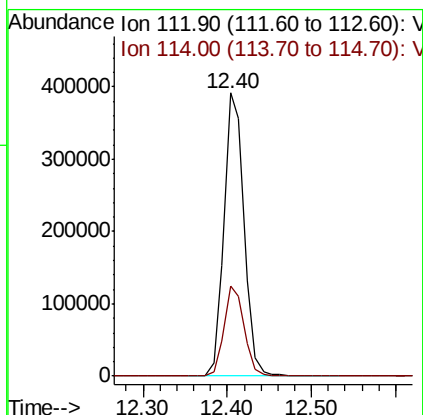
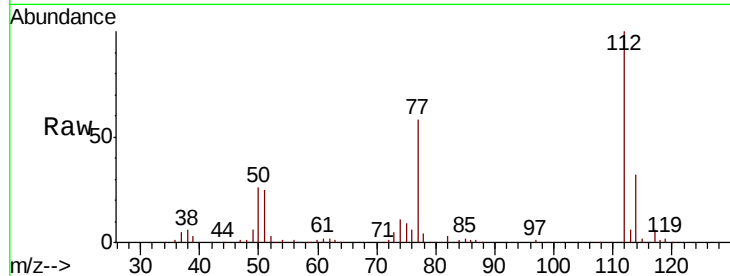




#65
Chlorobenzene
Concen: 49.867 ug/l
RT: 12.40 min Scan# 1116
Delta R.T. 0.02 min
Lab File: VD062319.D
Acq: 13 May 2019 22:49

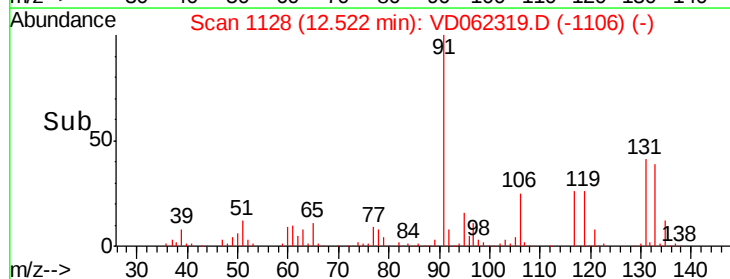
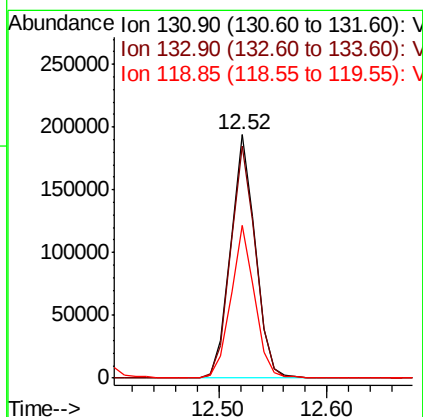
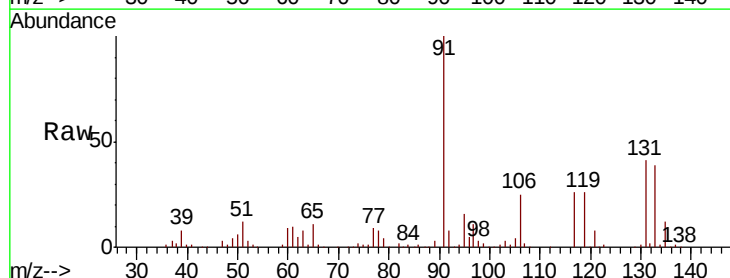
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 645923
Ion Ratio Lower Upper
112 100
114 31.9 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 54.510 ug/l
RT: 12.52 min Scan# 1128
Delta R.T. 0.02 min
Lab File: VD062319.D
Acq: 13 May 2019 22:49

Tgt Ion:131 Resp: 307292
Ion Ratio Lower Upper
131 100
133 95.2 48.6 145.8
119 62.5 34.7 104.1

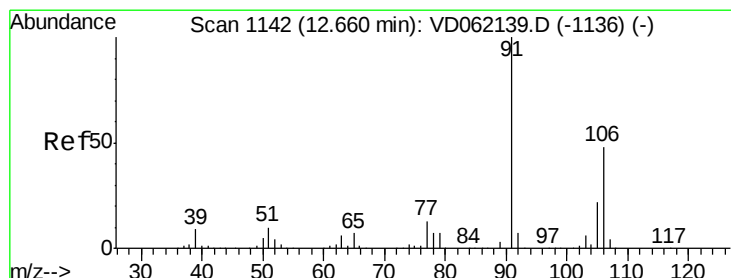
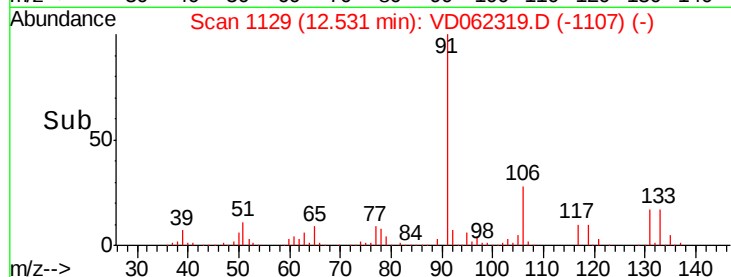
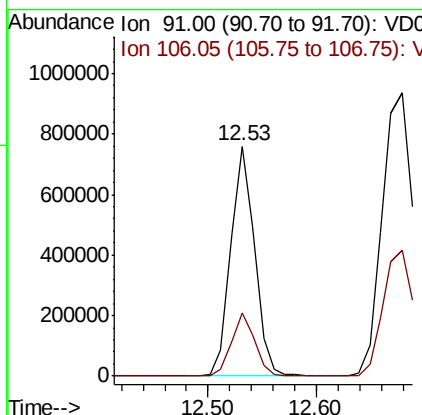
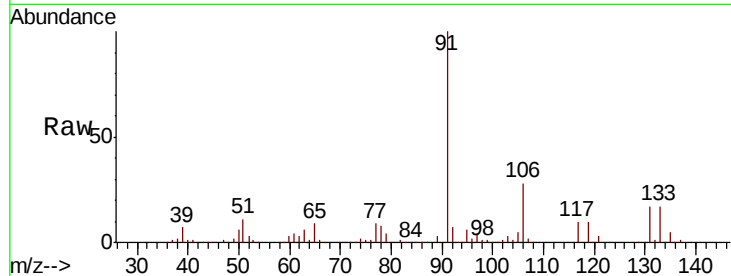




#67
Ethyl Benzene
Concen: 53.975 ug/l
RT: 12.53 min Scan# 1129
Delta R.T. 0.02 min
Lab File: VD062319.D
Acq: 13 May 2019 22:49

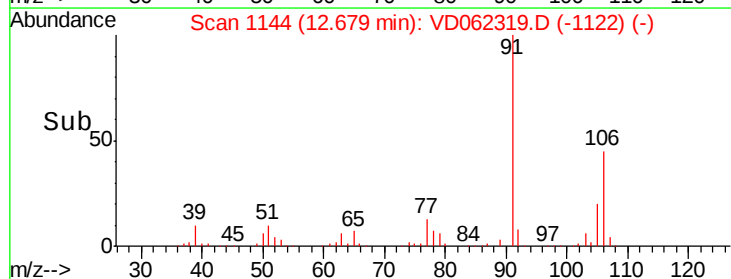
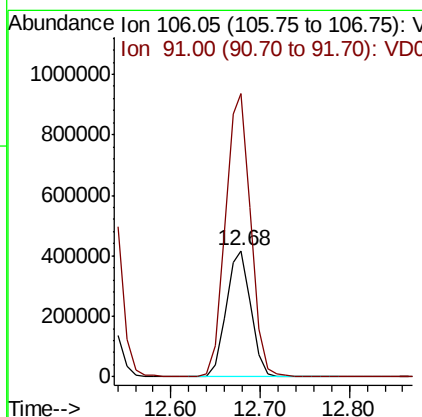
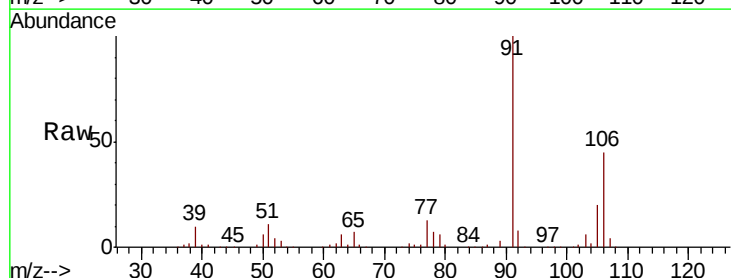
Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050

Tot Ion: 91 Resp: 1170464
Ion Ratio Lower Upper
91 100
106 27.5 24.7 37.1



#68
m/p-Xylenes
Concen: 102.710 ug/l
RT: 12.68 min Scan# 1144
Delta R.T. 0.02 min
Lab File: VD062319.D
Acq: 13 May 2019 22:49

Tgt Ion:106 Resp: 810343
Ion Ratio Lower Upper
106 100
91 224.5 164.0 246.0

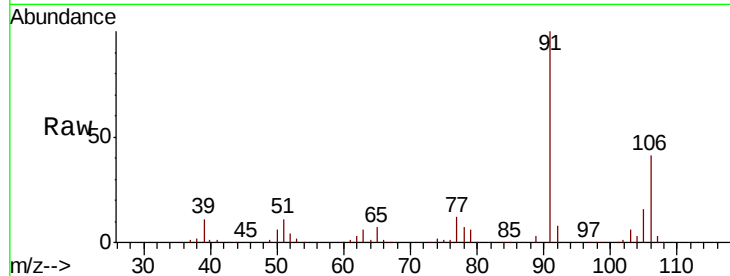




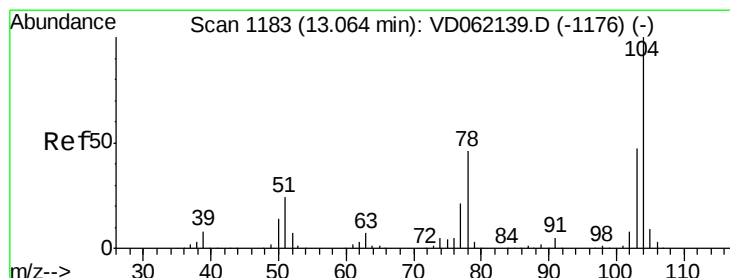
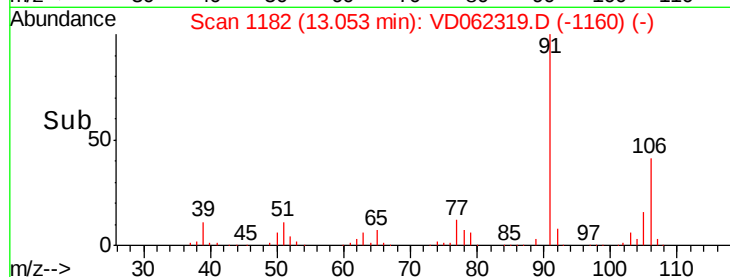
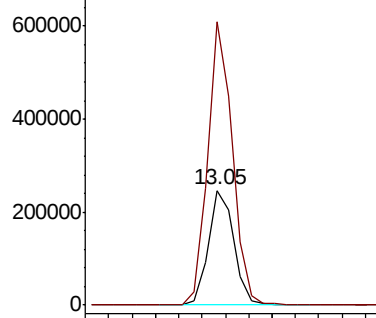
#69
o-Xylene
Concen: 50.743 ug/l
RT: 13.05 min Scan# 1182
Delta R.T. 0.02 min
Lab File: VD062319.D
Acq: 13 May 2019 22:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 372196
Ion Ratio Lower Upper
106 100
91 246.8 106.7 319.9

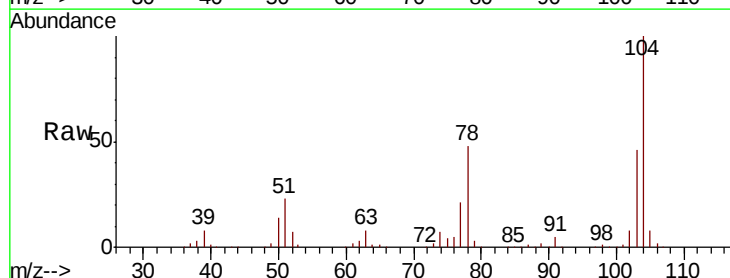


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

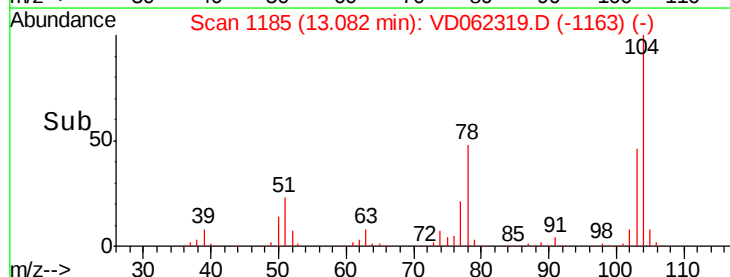
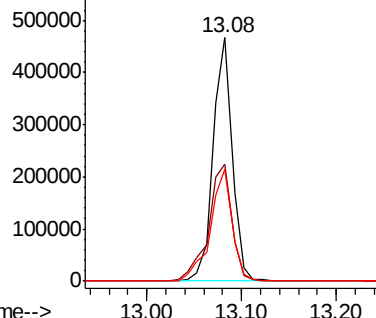


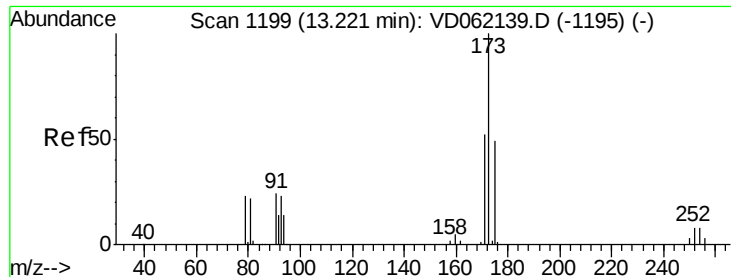
#70
Styrene
Concen: 52.463 ug/l
RT: 13.08 min Scan# 1185
Delta R.T. 0.02 min
Lab File: VD062319.D
Acq: 13 May 2019 22:49

Tgt Ion:104 Resp: 651873
Ion Ratio Lower Upper
104 100
78 48.0 35.4 53.2
103 45.8 37.5 56.3



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





#71

Bromoform

Concen: 57.289 ug/l

RT: 13.24 min Scan# 1201

Delta R.T. 0.02 min

Lab File: VD062319.D

Acq: 13 May 2019 22:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

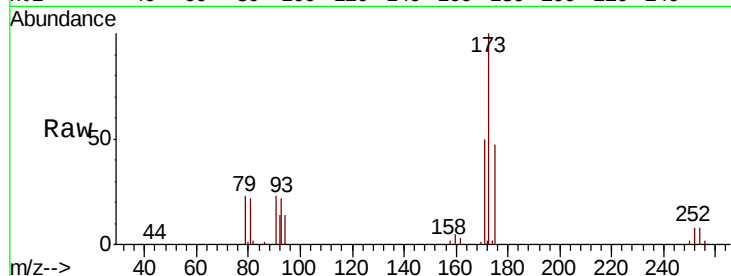
Tot Ion:173 Resp: 224694

Ion Ratio Lower Upper

173 100

175 46.7 24.4 73.4

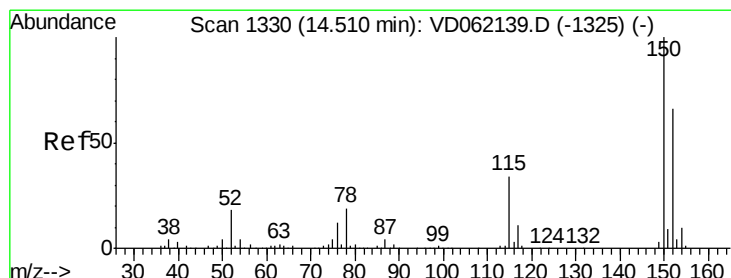
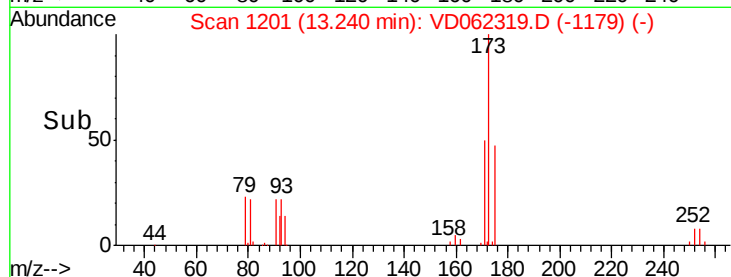
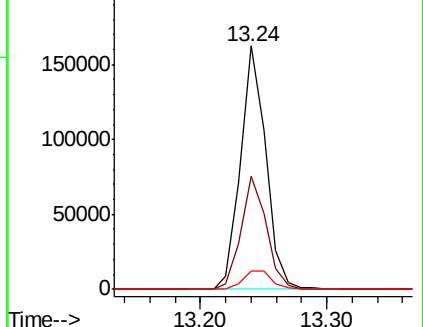
254 7.7 5.4 8.2



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.53 min Scan# 1332

Delta R.T. 0.02 min

Lab File: VD062319.D

Acq: 13 May 2019 22:49

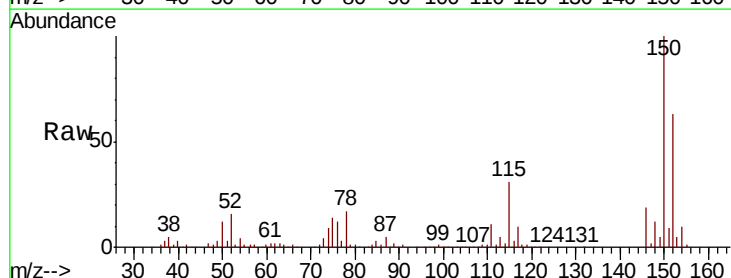
Tgt Ion:152 Resp: 384218

Ion Ratio Lower Upper

152 100

115 49.8 30.9 92.7

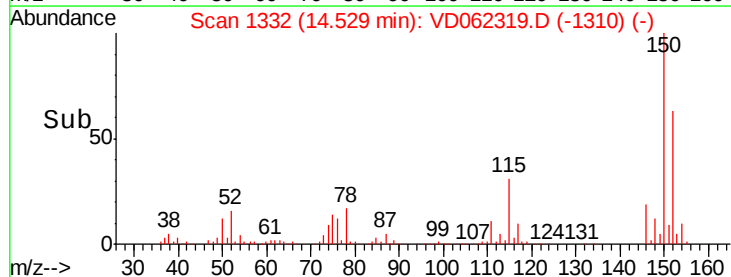
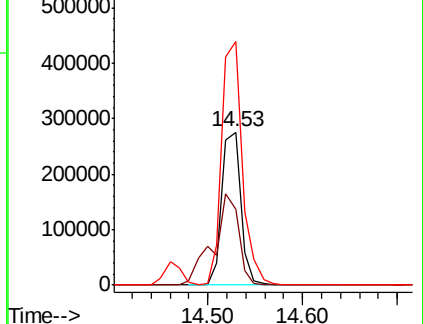
150 159.0 0.0 314.8

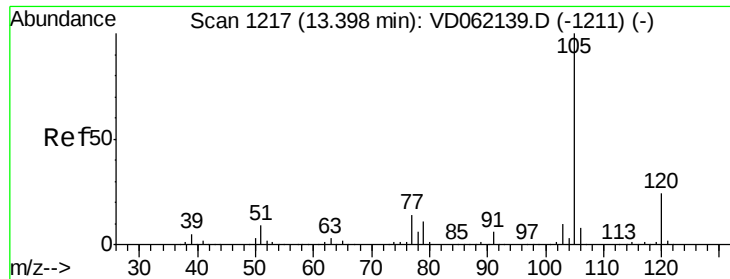


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 48.783 ug/l

RT: 13.41 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VD062319.D

Acq: 13 May 2019 22:49

Instrument :

MSVOA_D

ClientSampleId :

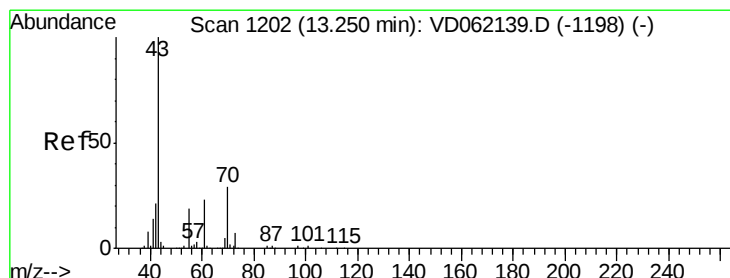
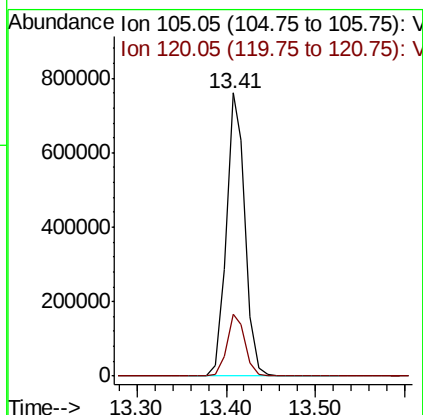
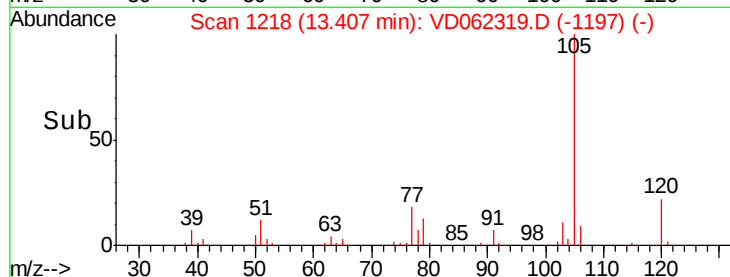
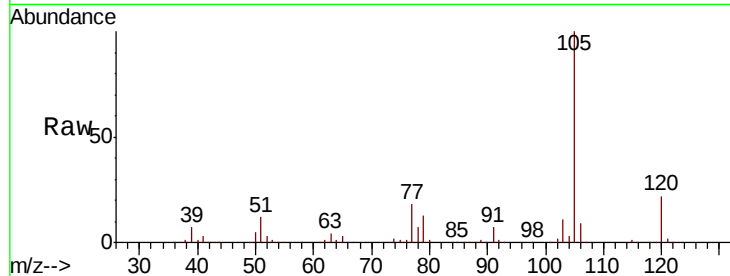
VSTDCCC050

Tot Ion:105 Resp: 1123539

Ion Ratio Lower Upper

105 100

120 21.7 12.0 36.1



#74

N-ethyl acetate

Concen: 49.126 ug/l

RT: 13.27 min Scan# 1204

Delta R.T. 0.02 min

Lab File: VD062319.D

Acq: 13 May 2019 22:49

Tgt Ion: 43 Resp: 296637

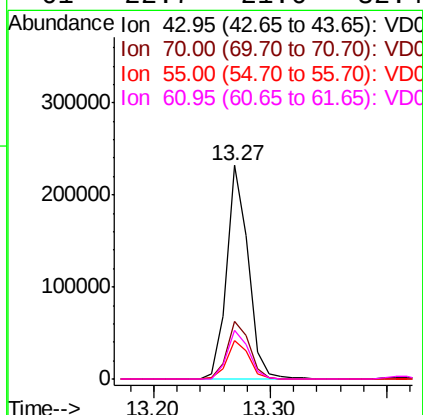
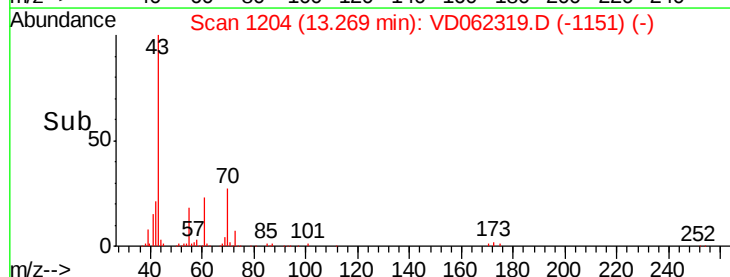
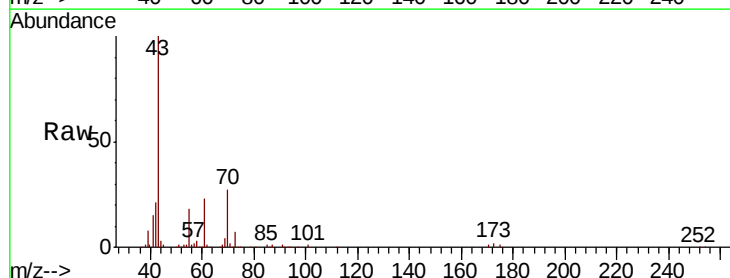
Ion Ratio Lower Upper

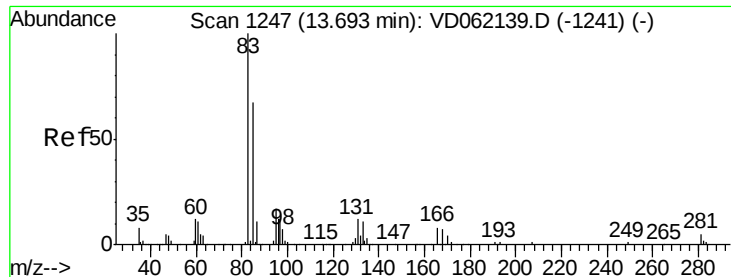
43 100

70 26.9 24.2 36.4

55 18.0 16.0 24.0

61 22.7 21.6 32.4





#75

1,1,2,2-Tetrachloroethane

Concen: 48.513 ug/l

RT: 13.70 min Scan# 1248

Delta R.T. 0.01 min

Lab File: VD062319.D

Acq: 13 May 2019 22:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

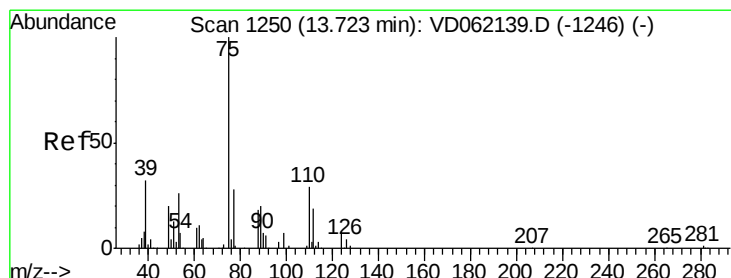
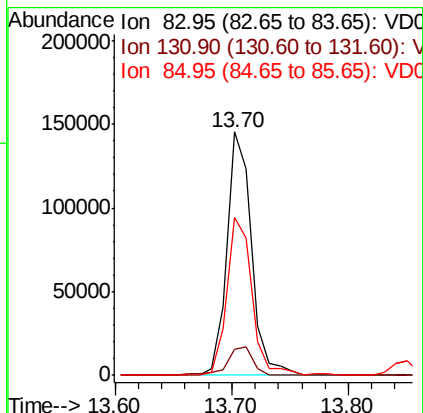
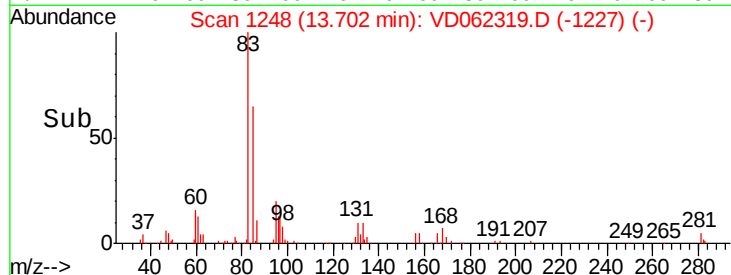
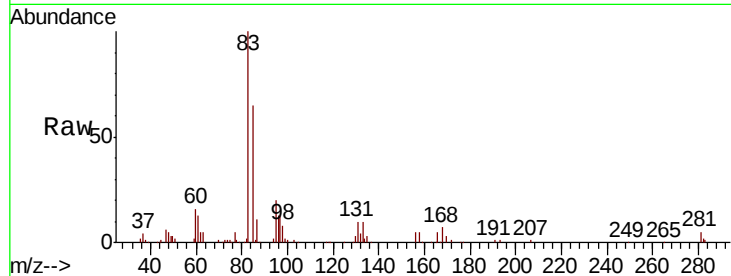
Tot Ion: 83 Resp: 211522

Ion Ratio Lower Upper

83 100

131 10.5 5.0 14.9

85 65.0 32.6 97.7



#76

1,2,3-Trichloropropane

Concen: 48.748 ug/l

RT: 13.74 min Scan# 1252

Delta R.T. 0.02 min

Lab File: VD062319.D

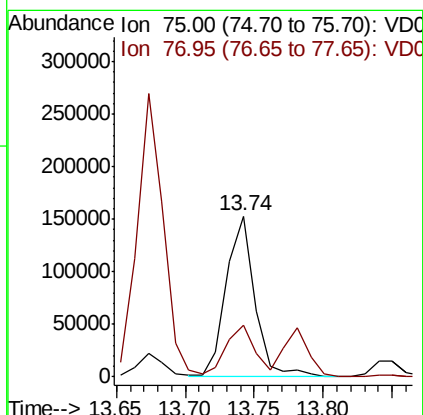
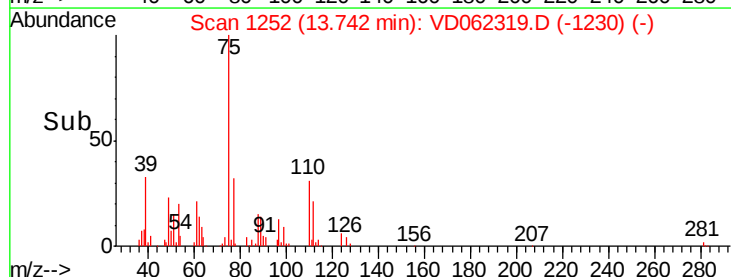
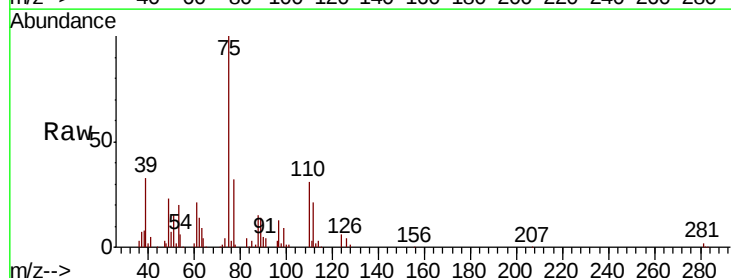
Acq: 13 May 2019 22:49

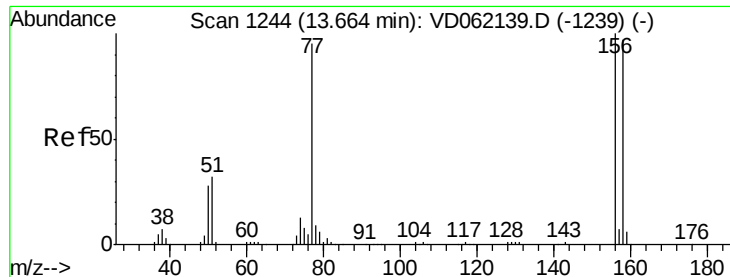
Tgt Ion: 75 Resp: 222588

Ion Ratio Lower Upper

75 100

77 32.4 16.4 49.4





#77

Bromobenzene

Concen: 47.033 ug/l

RT: 13.67 min Scan# 1245

Delta R.T. 0.01 min

Lab File: VD062319.D

Acq: 13 May 2019 22:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

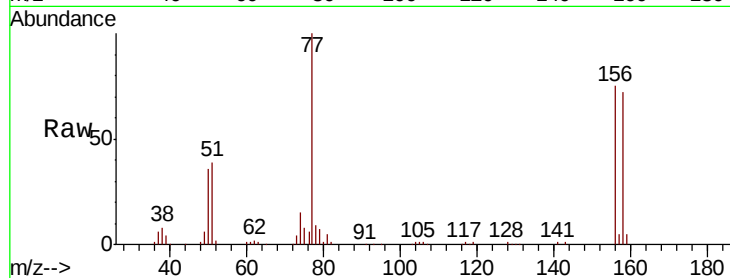
Tot Ion:156 Resp: 303236

Ion Ratio Lower Upper

156 100

77 132.8 53.1 159.4

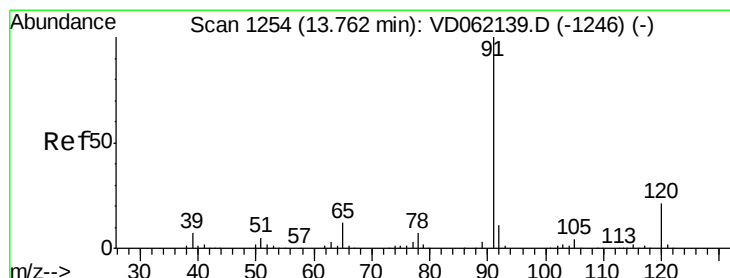
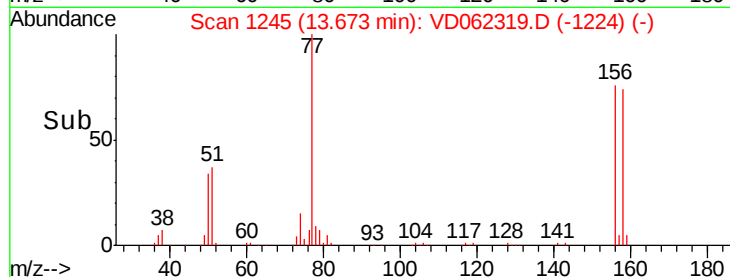
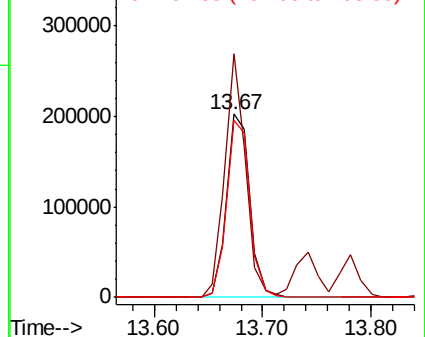
158 96.3 49.4 148.0



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 49.841 ug/l

RT: 13.78 min Scan# 1256

Delta R.T. 0.02 min

Lab File: VD062319.D

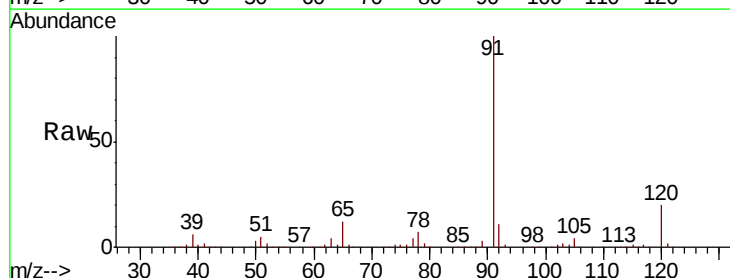
Acq: 13 May 2019 22:49

Tgt Ion: 91 Resp: 1369303

Ion Ratio Lower Upper

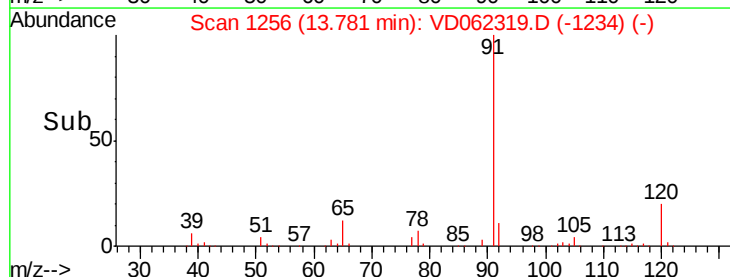
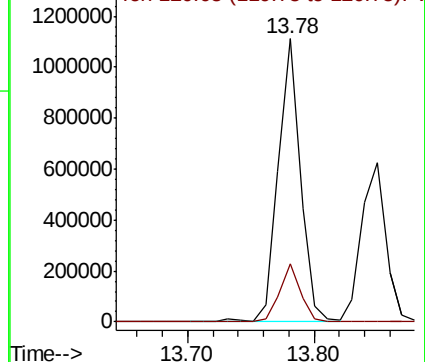
91 100

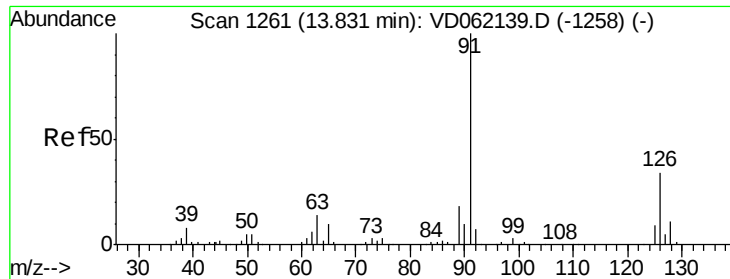
120 20.5 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 52.223 ug/l

RT: 13.85 min Scan# 1263

Delta R.T. 0.02 min

Lab File: VD062319.D

Acq: 13 May 2019 22:49

Instrument :

MSVOA_D

ClientSampleId :

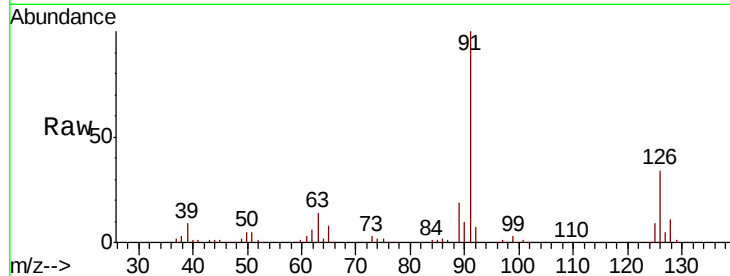
VSTDCCC050

Tot Ion: 91 Resp: 821713

Ion Ratio Lower Upper

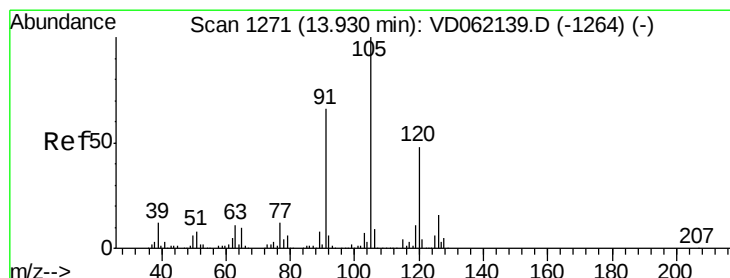
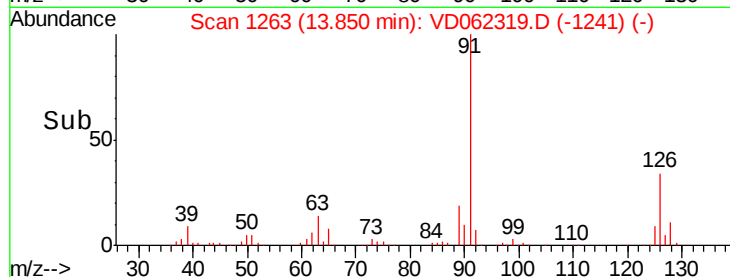
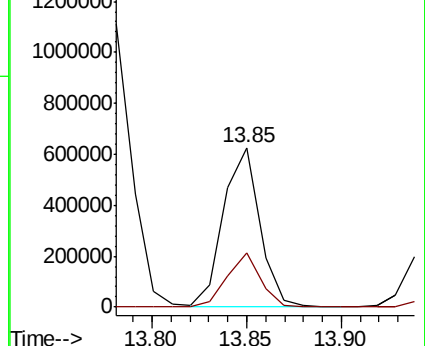
91 100

126 33.6 18.6 55.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 51.000 ug/l

RT: 13.94 min Scan# 1272

Delta R.T. 0.01 min

Lab File: VD062319.D

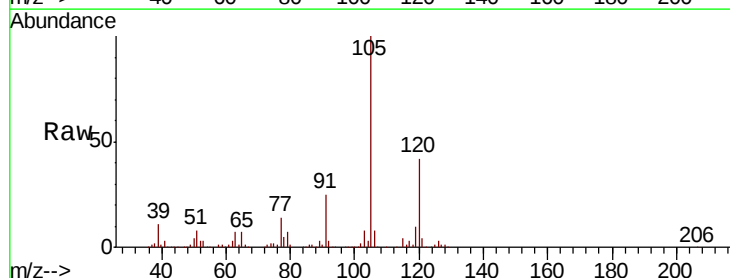
Acq: 13 May 2019 22:49

Tgt Ion:105 Resp: 989110

Ion Ratio Lower Upper

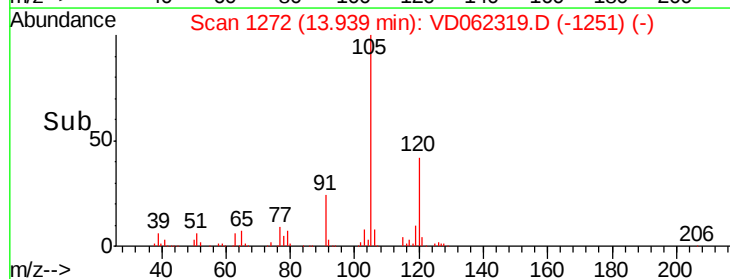
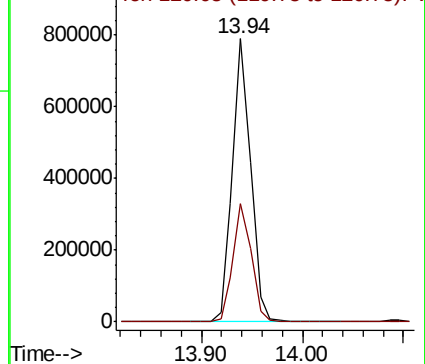
105 100

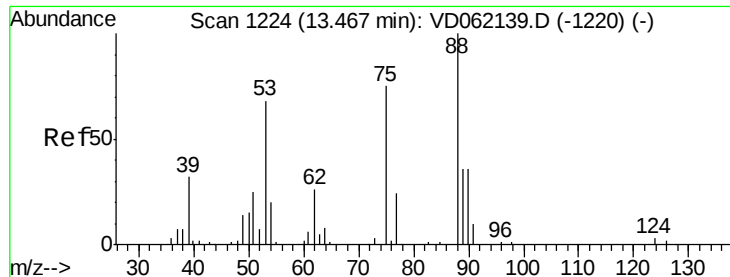
120 41.8 24.0 72.0



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: 48.985 ug/l

RT: 13.48 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VD062319.D

Acq: 13 May 2019 22:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

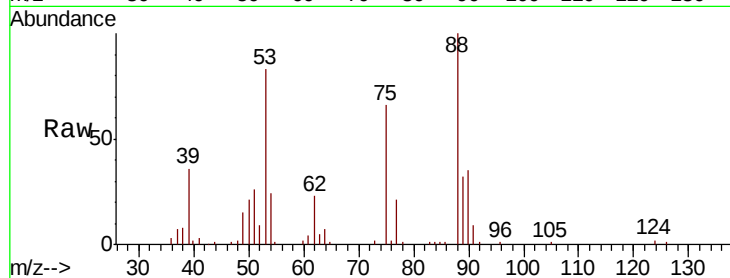
Tot Ion: 75 Resp: 63144

Ion Ratio Lower Upper

75 100

53 126.0 65.8 98.8#

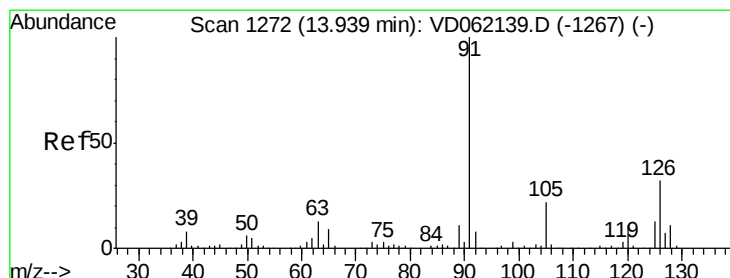
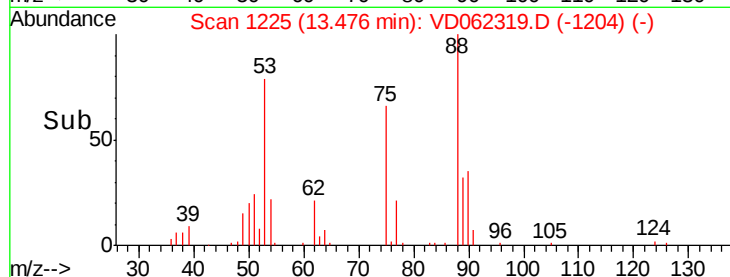
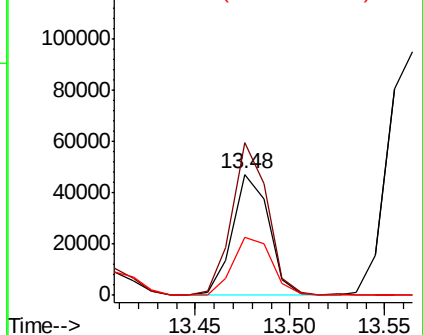
89 48.3 35.0 52.6



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: 49.817 ug/l

RT: 13.95 min Scan# 1273

Delta R.T. 0.01 min

Lab File: VD062319.D

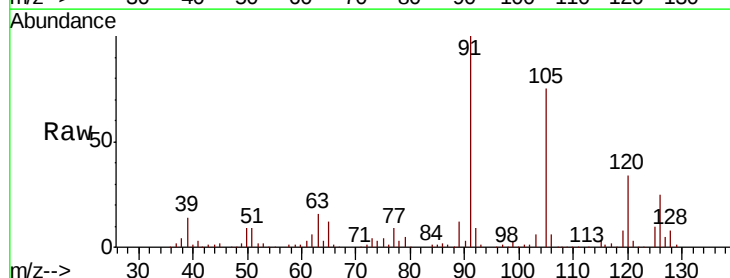
Acq: 13 May 2019 22:49

Tgt Ion: 91 Resp: 922398

Ion Ratio Lower Upper

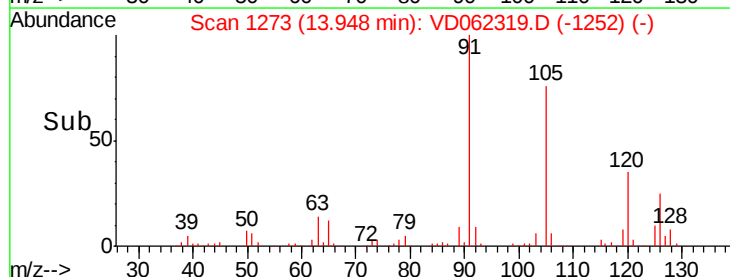
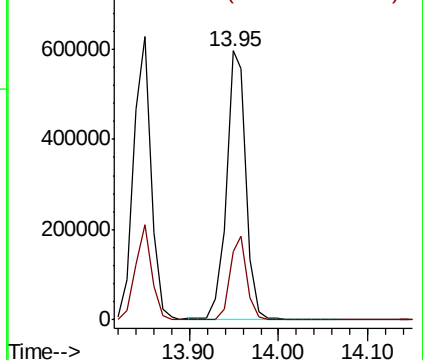
91 100

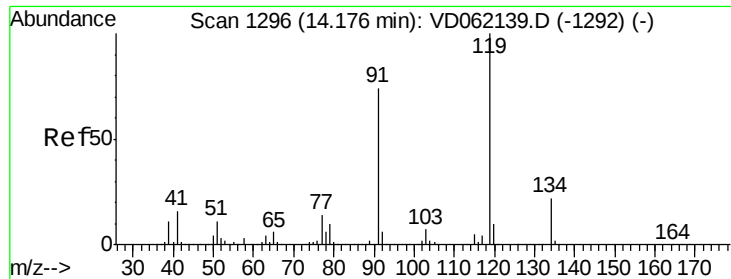
126 25.4 19.1 57.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

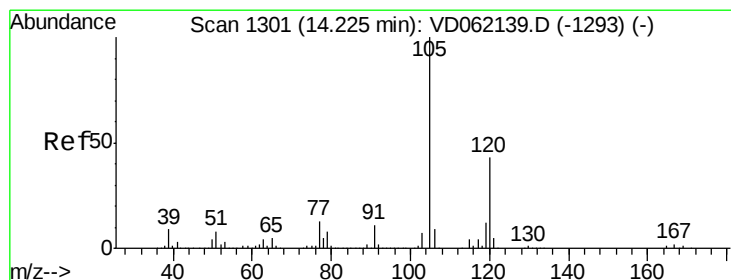
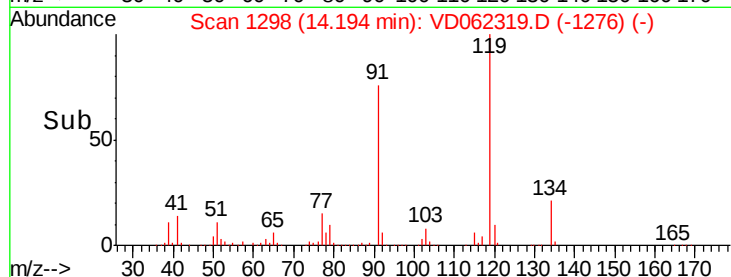
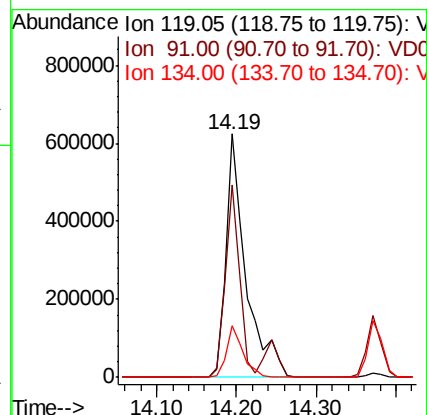
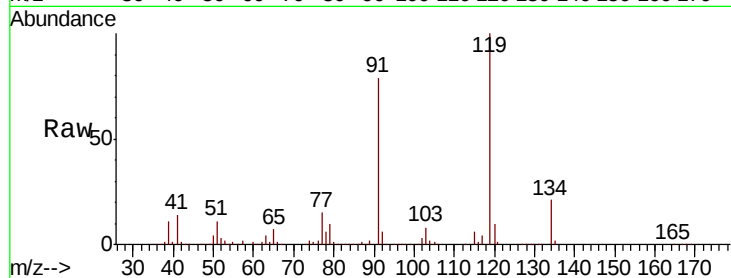




#83
tert-Butylbenzene
Concen: 50.258 ug/l
RT: 14.19 min Scan# 1298
Delta R.T. 0.02 min
Lab File: VD062319.D
Acq: 13 May 2019 22:49

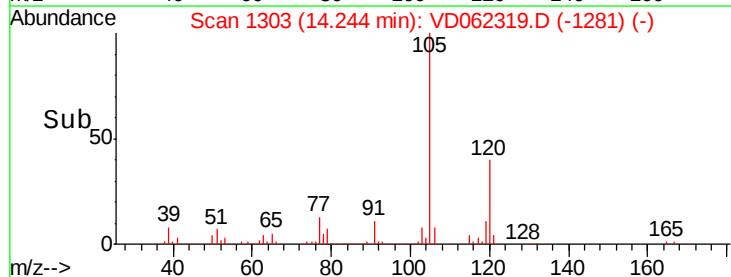
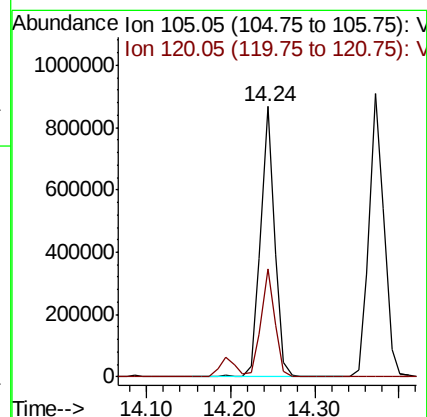
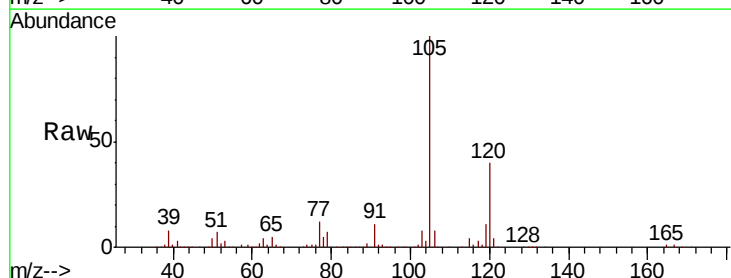
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

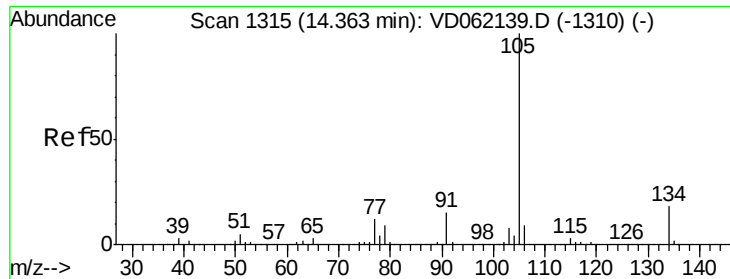
Tot Ion:119 Resp: 1095560
Ion Ratio Lower Upper
119 100
91 79.0 34.2 102.6
134 21.2 12.0 36.0



#84
1,2,4-Trimethylbenzene
Concen: 53.100 ug/l
RT: 14.24 min Scan# 1303
Delta R.T. 0.02 min
Lab File: VD062319.D
Acq: 13 May 2019 22:49

Tgt Ion:105 Resp: 1033430
Ion Ratio Lower Upper
105 100
120 40.0 23.1 69.2

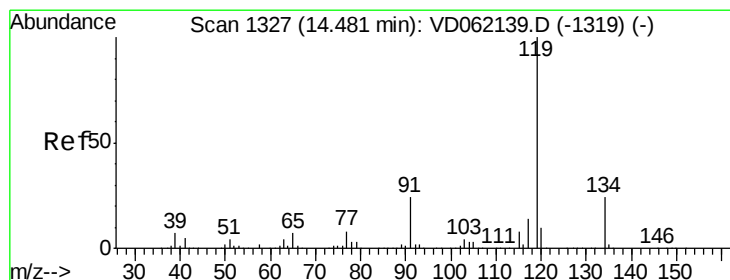
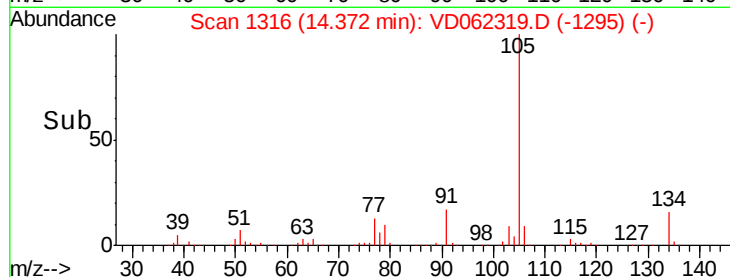
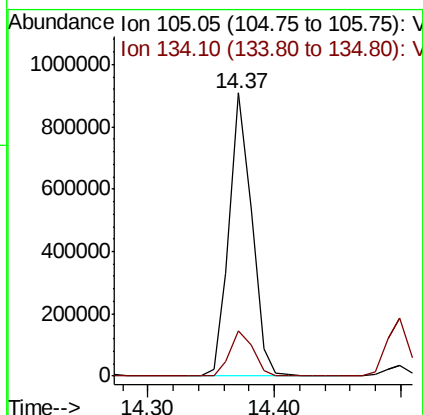
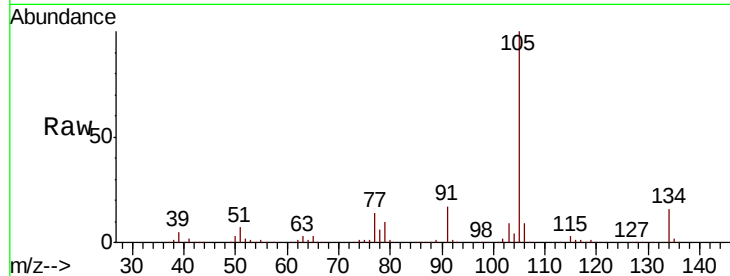




#85
 sec-Butylbenzene
 Concen: 47.251 ug/l
 RT: 14.37 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VD062319.D
 Acq: 13 May 2019 22:49

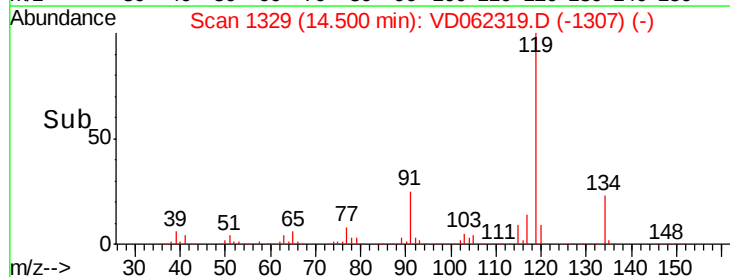
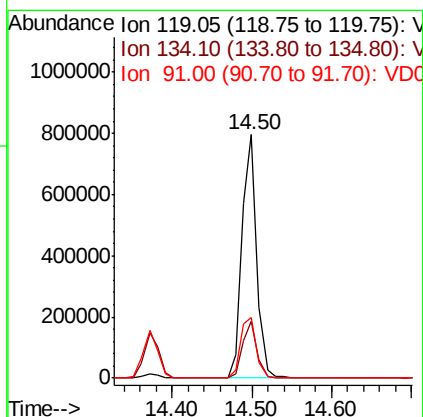
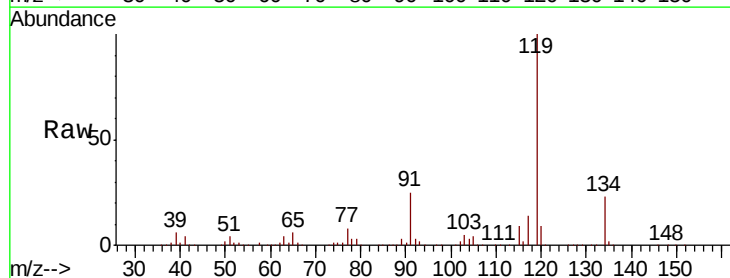
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 1129332
 Ion Ratio Lower Upper
 105 100
 134 16.1 8.9 26.7



#86
 p-Isopropyltoluene
 Concen: 47.538 ug/l
 RT: 14.50 min Scan# 1329
 Delta R.T. 0.02 min
 Lab File: VD062319.D
 Acq: 13 May 2019 22:49

Tgt Ion:119 Resp: 1015115
 Ion Ratio Lower Upper
 119 100
 134 23.4 12.8 38.3
 91 25.1 10.7 32.1

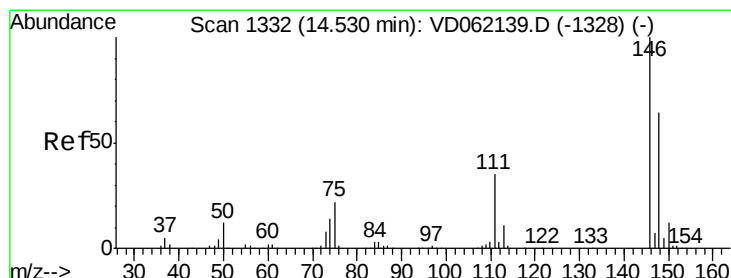
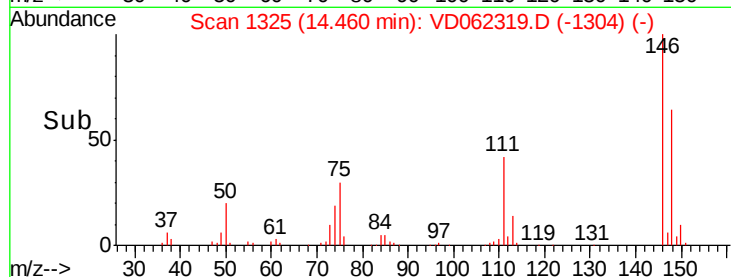
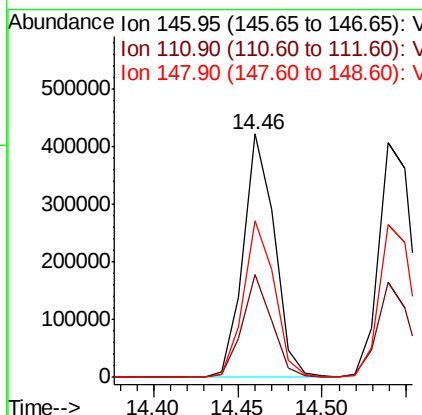
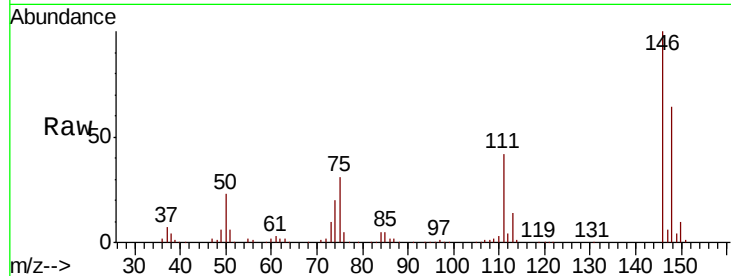




#87
 1,3-Dichlorobenzene
 Concen: 46.148 ug/l
 RT: 14.46 min Scan# 1325
 Delta R.T. 0.01 min
 Lab File: VD062319.D
 Acq: 13 May 2019 22:49

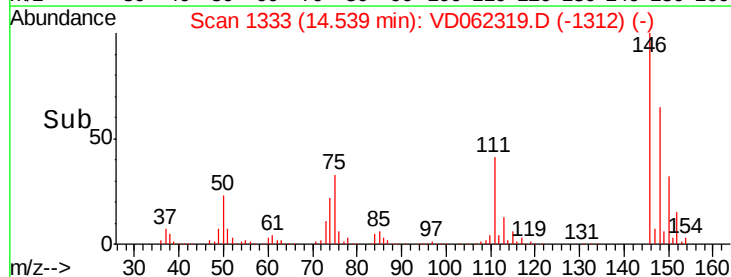
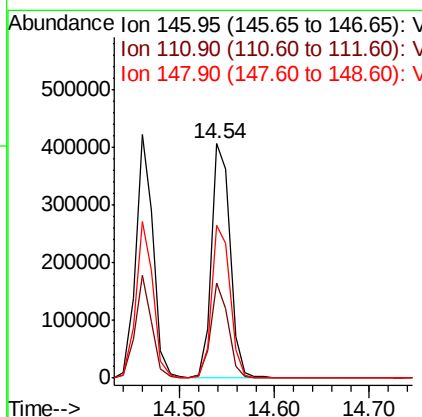
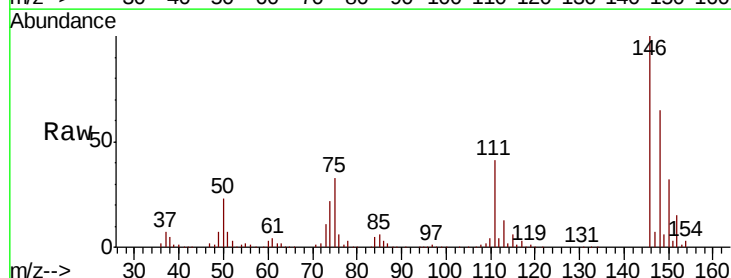
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 543510
 Ion Ratio Lower Upper
 146 100
 111 42.3 20.0 60.0
 148 64.2 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 48.092 ug/l
 RT: 14.54 min Scan# 1333
 Delta R.T. 0.01 min
 Lab File: VD062319.D
 Acq: 13 May 2019 22:49

Tgt Ion:146 Resp: 556542
 Ion Ratio Lower Upper
 146 100
 111 40.7 20.2 60.5
 148 65.4 32.0 96.2

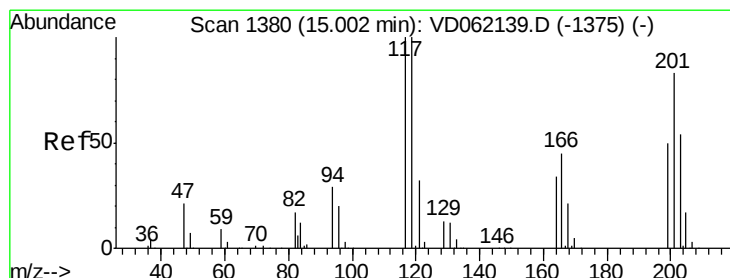
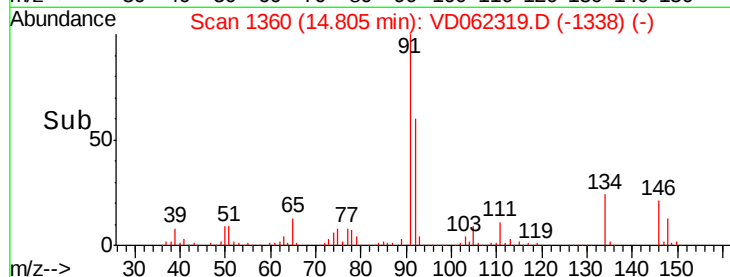
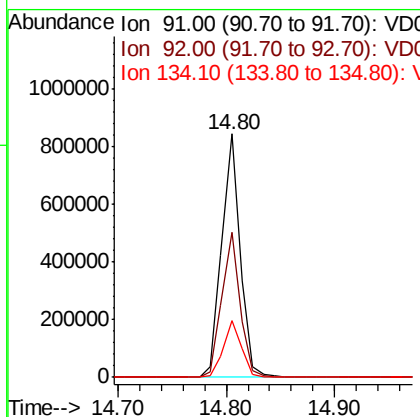
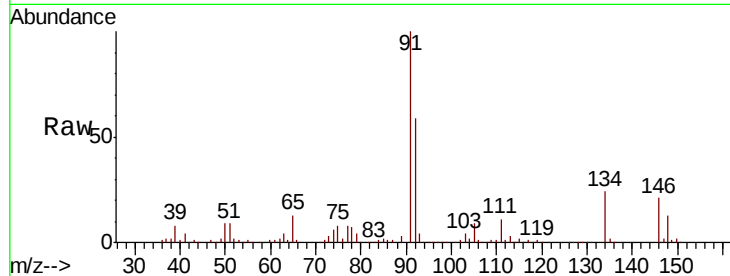




#89
n-Butylbenzene
Concen: 51.971 ug/l
RT: 14.80 min Scan# 1360
Delta R.T. 0.02 min
Lab File: VD062319.D
Acq: 13 May 2019 22:49

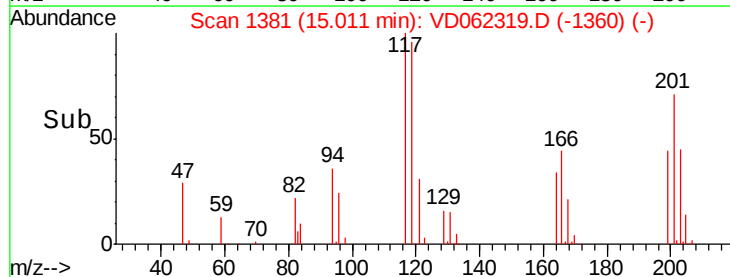
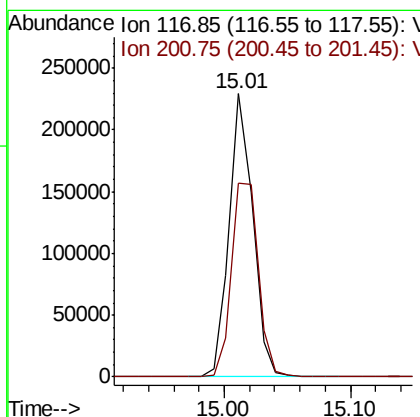
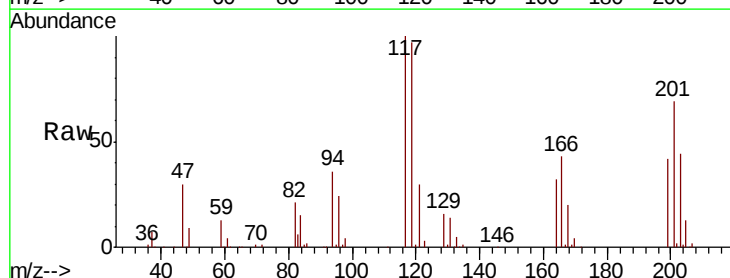
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

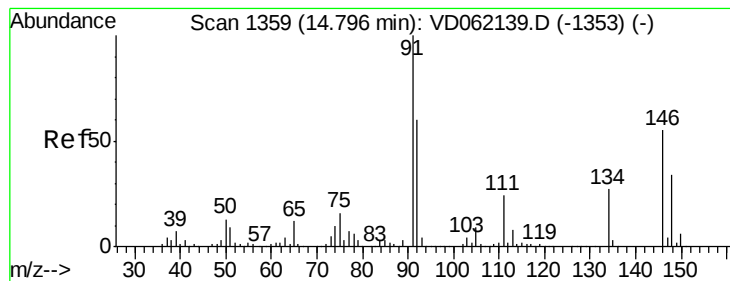
Tot Ion: 91 Resp: 996097
Ion Ratio Lower Upper
91 100
92 59.5 30.3 91.0
134 23.5 14.5 43.6



#90
Hexachloroethane
Concen: 51.073 ug/l
RT: 15.01 min Scan# 1381
Delta R.T. 0.01 min
Lab File: VD062319.D
Acq: 13 May 2019 22:49

Tgt Ion: 117 Resp: 296587
Ion Ratio Lower Upper
117 100
201 68.6 30.2 90.6





#91

1,2-Dichlorobenzene

Concen: 52.171 ug/l

RT: 14.81 min Scan# 1361

Delta R.T. 0.02 min

Lab File: VD062319.D

Acq: 13 May 2019 22:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

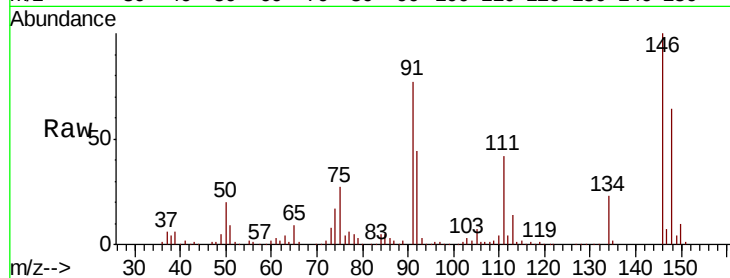
Tot Ion:146 Resp: 506037

Ion Ratio Lower Upper

146 100

111 41.6 20.0 59.9

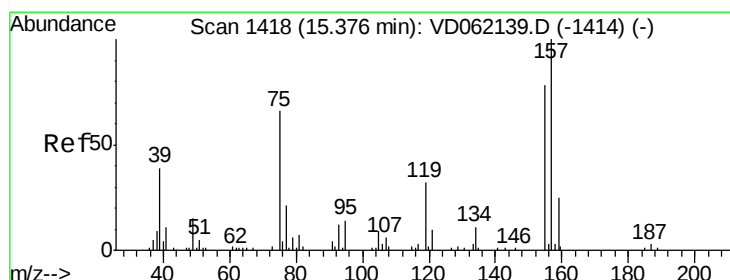
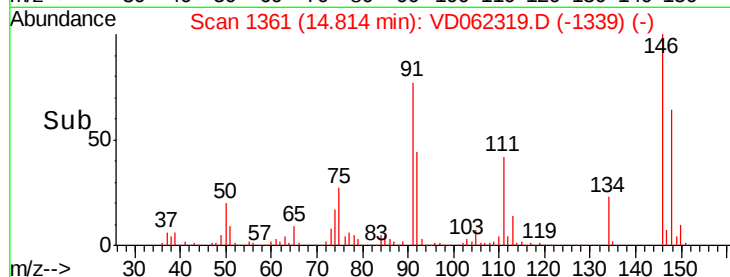
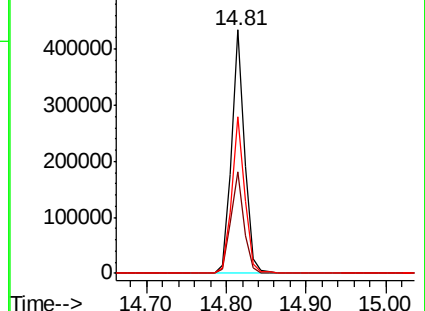
148 64.1 32.3 96.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 57.580 ug/l

RT: 15.39 min Scan# 1419

Delta R.T. 0.01 min

Lab File: VD062319.D

Acq: 13 May 2019 22:49

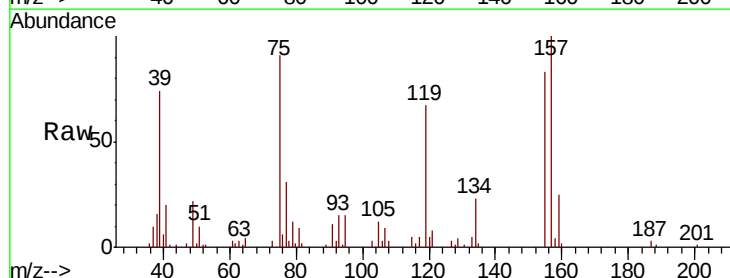
Tgt Ion: 75 Resp: 41211

Ion Ratio Lower Upper

75 100

155 90.8 55.3 165.8

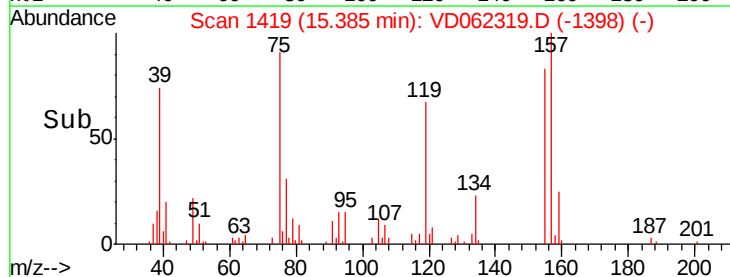
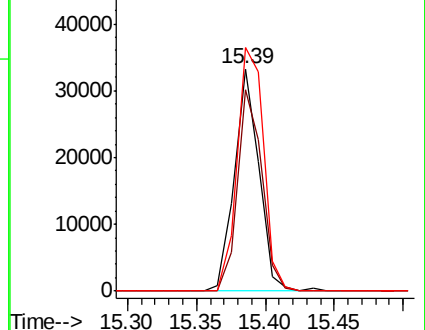
157 109.7 67.8 203.2

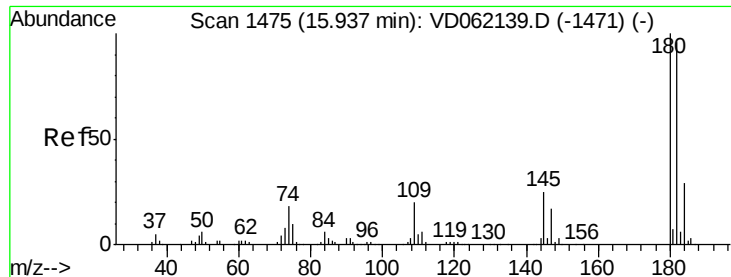


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

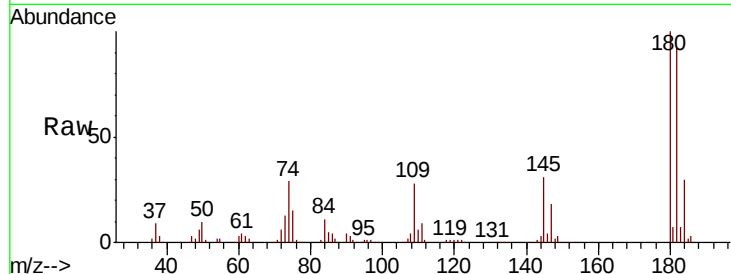




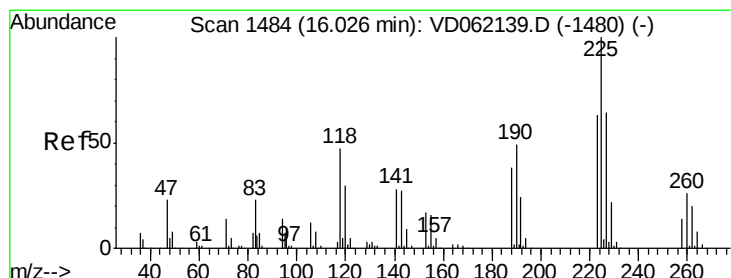
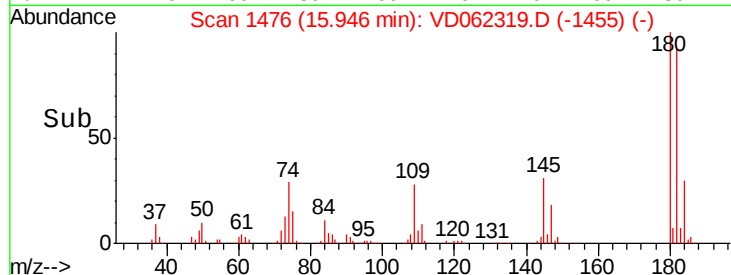
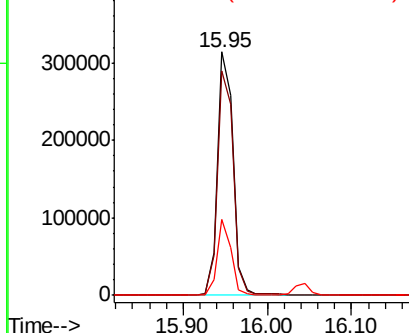
#93
 1,2,4-Trichlorobenzene
 Concen: 57.304 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. 0.01 min
 Lab File: VD062319.D
 Acq: 13 May 2019 22:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 404569
 Ion Ratio Lower Upper
 180 100
 182 92.1 49.3 147.8
 145 31.2 16.2 48.6

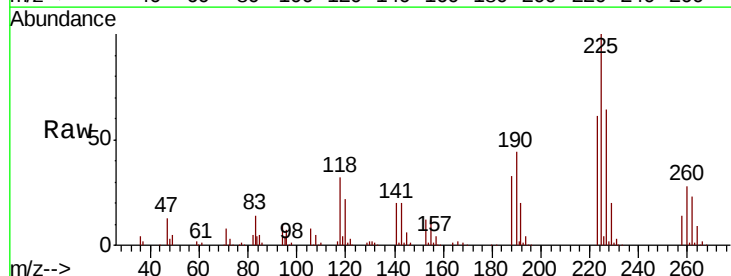


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

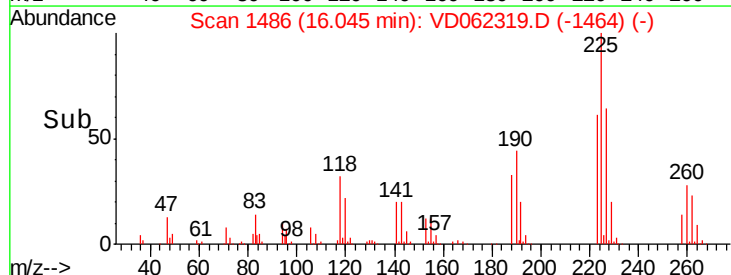
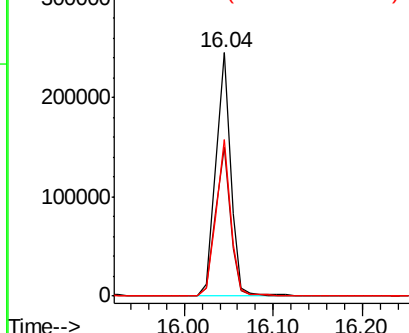


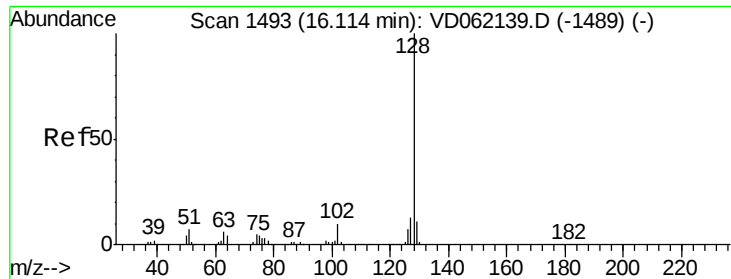
#94
 Hexachlorobutadiene
 Concen: 55.048 ug/l
 RT: 16.04 min Scan# 1486
 Delta R.T. 0.02 min
 Lab File: VD062319.D
 Acq: 13 May 2019 22:49

Tgt Ion:225 Resp: 289054
 Ion Ratio Lower Upper
 225 100
 223 61.3 30.6 92.0
 227 64.4 32.0 96.2



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

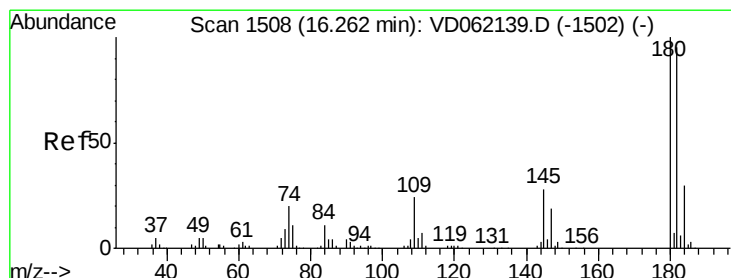
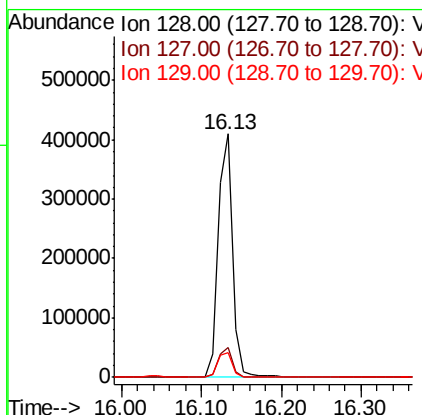
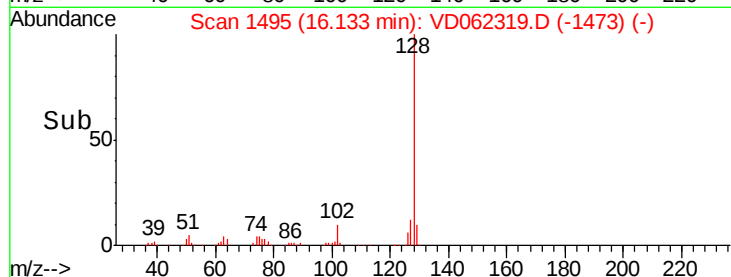
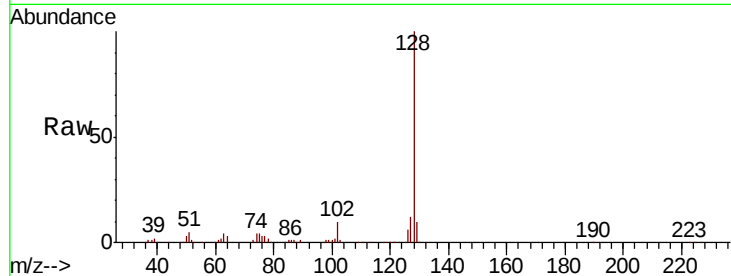




#95
Naphthalene
Concen: 53.424 ug/l
RT: 16.13 min Scan# 1495
Delta R.T. 0.02 min
Lab File: VD062319.D
Acq: 13 May 2019 22:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 526579
Ion Ratio Lower Upper
128 100
127 12.3 9.8 14.8
129 10.3 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 66.722 ug/l
RT: 16.28 min Scan# 1510
Delta R.T. 0.02 min
Lab File: VD062319.D
Acq: 13 May 2019 22:49

Tgt Ion:180 Resp: 296170
Ion Ratio Lower Upper
180 100
182 97.9 47.0 141.0
145 26.4 17.0 51.0

