

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051519\
 Data File : VD062385.D
 Acq On : 15 May 2019 13:41
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: May 16 04:03:16 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	728113	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.23	114	996089	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.37	117	809626	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	426575	50.00	ug/l	0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.47	65	353597	52.26	ug/l	0.05
Spiked Amount	50.000		Recovery	=	104.52%	
35) Dibromofluoromethane	6.94	113	408014	49.37	ug/l	0.05
Spiked Amount	50.000		Recovery	=	98.74%	
50) Toluene-d8	10.43	98	900849	45.21	ug/l	0.03
Spiked Amount	50.000		Recovery	=	90.42%	
62) 4-Bromofluorobenzene	13.57	95	394357	49.28	ug/l	0.02
Spiked Amount	50.000		Recovery	=	98.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.59	85	323276	46.423	ug/l	100
3) Chloromethane	1.76	50	213115	42.353	ug/l	100
4) Vinyl Chloride	1.86	62	226148	45.731	ug/l	99
5) Bromomethane	2.16	94	82066	70.823	ug/l	98
6) Chloroethane	2.28	64	118734	57.219	ug/l	97
7) Trichlorofluoromethane	2.54	101	568366	59.117	ug/l	99
8) Diethyl Ether	2.89	74	68819	37.115	ug/l	64
9) 1,1,2-Trichlorotrifluoroet	3.16	101	352243	48.433	ug/l	95
10) Methyl Iodide	3.32	142	444649	40.452	ug/l #	83
11) Tert butyl alcohol	4.09	59	77848	225.391	ug/l	100
12) 1,1-Dichloroethene	3.14	96	257947	46.462	ug/l	86
13) Acrolein	3.06	56	81577	228.354	ug/l	99
14) Allyl chloride	3.64	41	379046	46.957	ug/l #	81
15) Acrylonitrile	4.22	53	206604	227.577	ug/l #	82
16) Acetone	3.23	43	411390	289.916	ug/l #	83
17) Carbon Disulfide	3.39	76	698273	43.722	ug/l	100
18) Methyl Acetate	3.66	43	110808	43.623	ug/l	97
19) Methyl tert-butyl Ether	4.26	73	609621	51.229	ug/l	98
20) Methylene Chloride	3.83	84	280549	47.351	ug/l	94
21) trans-1,2-Dichloroethene	4.24	96	297810	48.206	ug/l	85
22) Diisopropyl ether	5.14	45	867579	50.507	ug/l	93
23) Vinyl Acetate	5.08	43	2525250	278.632	ug/l	98
24) 1,1-Dichloroethane	5.00	63	521662	50.341	ug/l	98
25) 2-Butanone	6.09	43	411191	265.664	ug/l	96
26) 2,2-Dichloropropane	6.04	77	552653	53.540	ug/l	95
27) cis-1,2-Dichloroethene	6.06	96	327100	47.303	ug/l	89
28) Bromochloromethane	6.45	49	232257	56.968	ug/l #	79
29) Tetrahydrofuran	6.48	42	162292	227.569	ug/l	92
30) Chloroform	6.69	83	670086	53.655	ug/l	99
31) Cyclohexane	6.97	56	326365	45.971	ug/l	99
32) 1,1,1-Trichloroethane	6.89	97	660002	55.913	ug/l	99
36) 1,1-Dichloropropene	7.17	75	414233	50.720	ug/l	95
37) Ethyl Acetate	6.20	43	176741	51.029	ug/l #	88
38) Carbon Tetrachloride	7.13	117	653632m	57.824	ug/l	

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 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	353019	45.114	ug/l	94
40) Benzene	7.47	78	877680	47.591	ug/l	98
41) Methacrylonitrile	6.47	41	208410	49.240	ug/l #	81
42) 1,2-Dichloroethane	7.60	62	436203	55.826	ug/l	92
43) Isopropyl Acetate	9.26	43	224382	45.680	ug/l	91
44) Trichloroethene	8.56	130	343194	48.836	ug/l	80
45) 1,2-Dichloropropane	8.95	63	229588	50.330	ug/l	99
46) Dibromomethane	9.08	93	193819	52.250	ug/l	95
47) Bromodichloromethane	9.39	83	497810	54.864	ug/l	99
48) Methyl methacrylate	9.14	41	153367	50.690	ug/l #	86
49) 1,4-Dioxane	9.10	88	29703	909.883	ug/l #	91
51) 4-Methyl-2-Pentanone	10.32	43	765650	242.487	ug/l	91
52) Toluene	10.52	92	575565	47.967	ug/l	99
53) t-1,3-Dichloropropene	10.93	75	418271	53.337	ug/l	99
54) cis-1,3-Dichloropropene	10.05	75	418226	48.886	ug/l #	85
55) 1,1,2-Trichloroethane	11.20	97	212066	49.950	ug/l	97
56) Ethyl methacrylate	11.06	69	220832	50.055	ug/l #	85
57) 1,3-Dichloropropane	11.42	76	305546	47.637	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.88	63	701315	291.018	ug/l	99
59) 2-Hexanone	11.55	43	626839	269.354	ug/l	92
60) Dibromochloromethane	11.70	129	374148	50.993	ug/l	99
61) 1,2-Dibromoethane	11.82	107	250638	48.558	ug/l	93
64) Tetrachloroethene	11.27	164	307725	48.606	ug/l	95
65) Chlorobenzene	12.41	112	733804	48.662	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	339062	51.664	ug/l	95
67) Ethyl Benzene	12.53	91	1306774	51.763	ug/l	96
68) m/p-Xylenes	12.68	106	879516	95.757	ug/l	86
69) o-Xylene	13.05	106	434616	50.897	ug/l	84
70) Styrene	13.08	104	742833	51.353	ug/l	96
71) Bromoform	13.24	173	240736	52.724	ug/l	100
73) Isopropylbenzene	13.41	105	1240417	48.510	ug/l	93
74) N-amyl acetate	13.27	43	313663	46.788	ug/l	93
75) 1,1,2,2-Tetrachloroethane	13.70	83	239881	49.554	ug/l	98
76) 1,2,3-Trichloropropane	13.74	75	251215	49.554	ug/l	97
77) Bromobenzene	13.67	156	367213	51.301	ug/l	81
78) n-propylbenzene	13.78	91	1508818	49.466	ug/l	95
79) 2-Chlorotoluene	13.85	91	892040	51.063	ug/l	91
80) 1,3,5-Trimethylbenzene	13.94	105	1053952	48.948	ug/l	90
81) trans-1,4-Dichloro-2-buten	13.48	75	68531	47.885	ug/l #	57
82) 4-Chlorotoluene	13.96	91	1055118	51.326	ug/l	90
83) tert-Butylbenzene	14.20	119	1197290	49.471	ug/l	89
84) 1,2,4-Trimethylbenzene	14.24	105	1053527	48.757	ug/l	89
85) sec-Butylbenzene	14.37	105	1251908	47.179	ug/l	94
86) p-Isopropyltoluene	14.50	119	1102110	46.487	ug/l	93
87) 1,3-Dichlorobenzene	14.46	146	627063	47.955	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	585507	45.571	ug/l	99
89) n-Butylbenzene	14.81	91	1103911	51.877	ug/l	94
90) Hexachloroethane	15.01	117	316887	49.151	ug/l	95
91) 1,2-Dichlorobenzene	14.82	146	504820	46.878	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.39	75	40066	50.422	ug/l	75

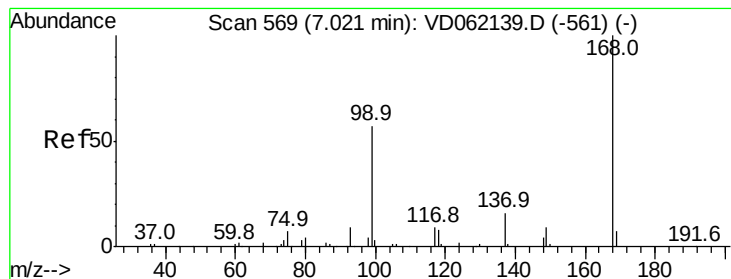
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD051519\
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QLast Update : Tue May 07 14:26:29 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	369369	47.124	ug/l	97
94) Hexachlorobutadiene	16.05	225	313008	53.690	ug/l	100
95) Naphthalene	16.13	128	543464	49.662	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	264474	53.665	ug/l	95

(#) = 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: VD062385.D

Acq: 15 May 2019 13:41

Instrument :

MSVOA_D

ClientSampleId :

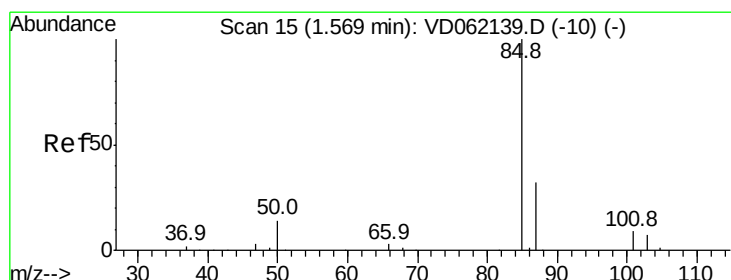
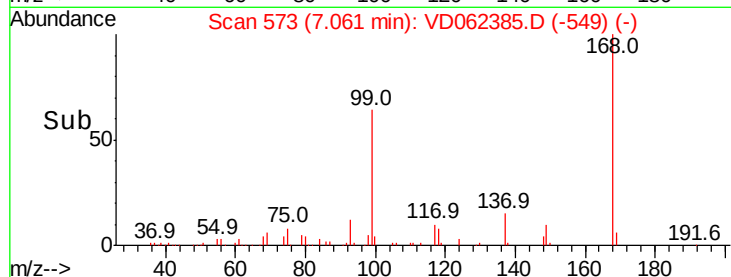
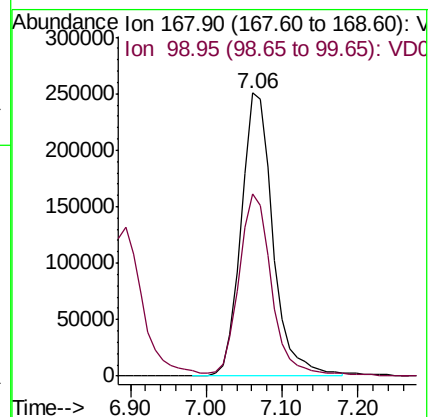
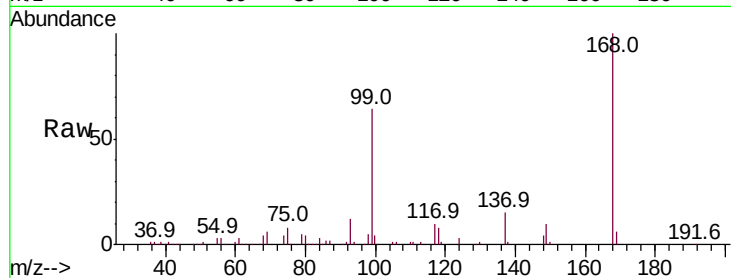
VSTDCCC050

Tot Ion:168 Resp: 728113

Ion Ratio Lower Upper

168 100

99 64.2 46.5 69.7



#2

Dichlorodifluoromethane

Concen: 46.423 ug/l

RT: 1.59 min Scan# 17

Delta R.T. 0.02 min

Lab File: VD062385.D

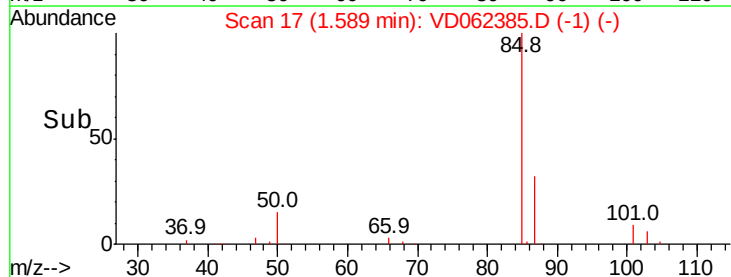
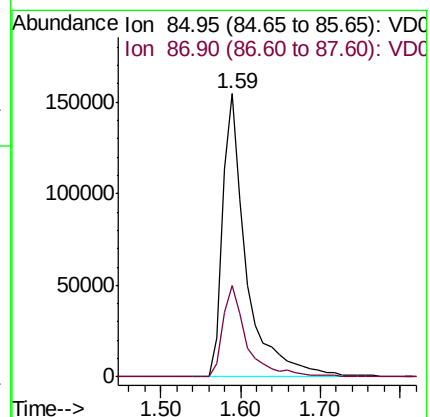
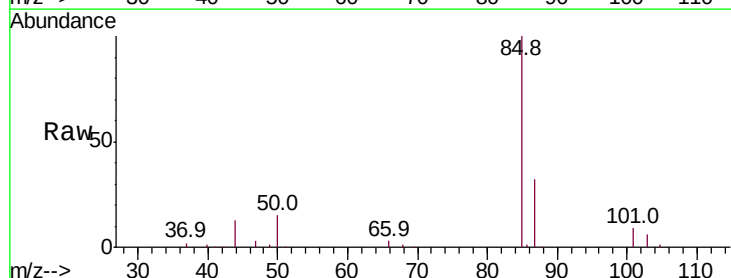
Acq: 15 May 2019 13:41

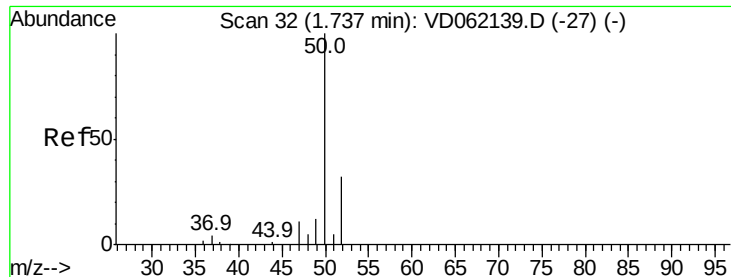
Tgt Ion: 85 Resp: 323276

Ion Ratio Lower Upper

85 100

87 32.5 16.2 48.6





#3

Chloromethane

Concen: 42.353 ug/l

RT: 1.76 min Scan# 34

Delta R.T. 0.02 min

Lab File: VD062385.D

Acq: 15 May 2019 13:41

Instrument :

MSVOA_D

ClientSampleId :

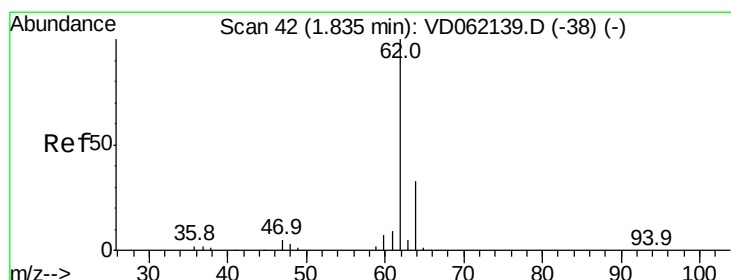
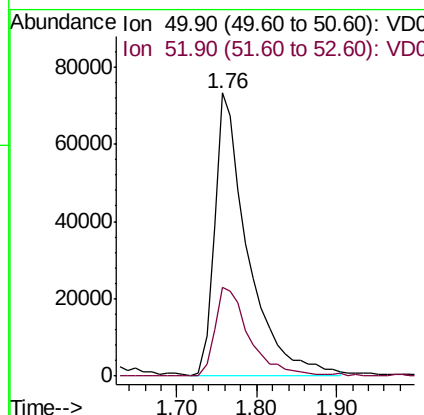
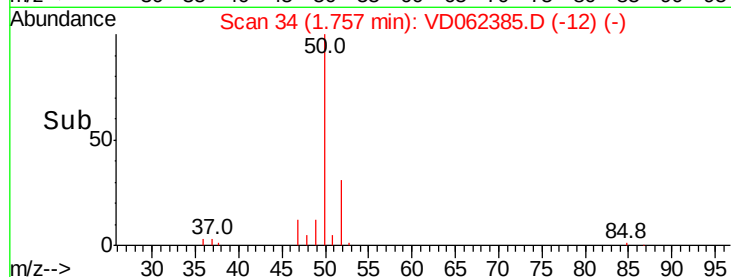
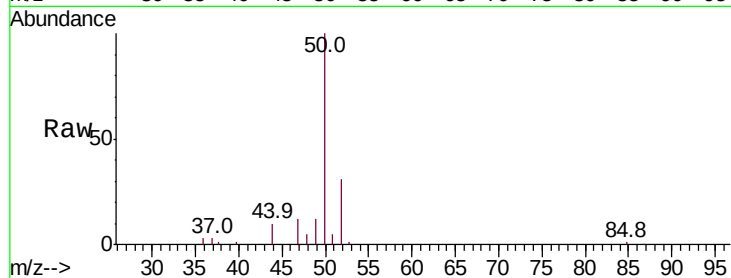
VSTDCCC050

Tot Ion: 50 Resp: 213115

Ion Ratio Lower Upper

50 100

52 31.4 25.2 37.8



#4

Vinyl Chloride

Concen: 45.731 ug/l

RT: 1.86 min Scan# 45

Delta R.T. 0.03 min

Lab File: VD062385.D

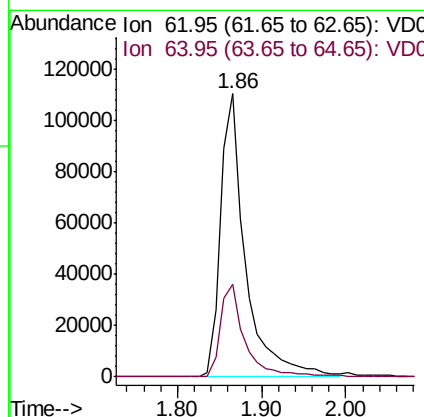
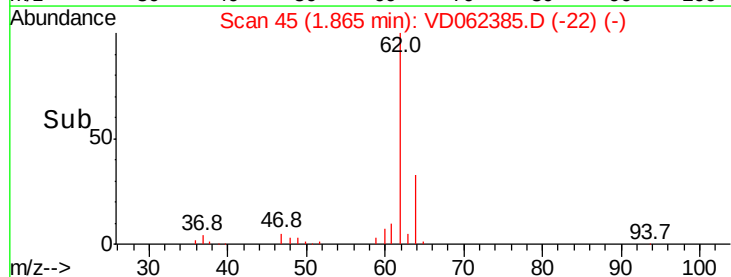
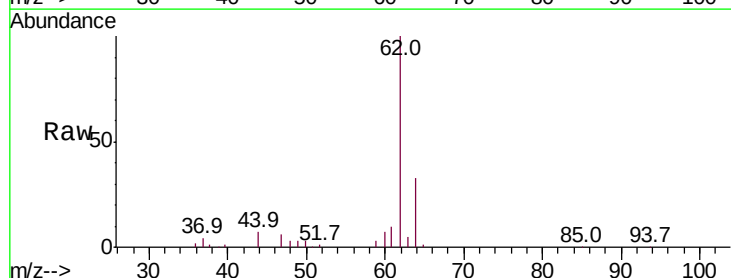
Acq: 15 May 2019 13:41

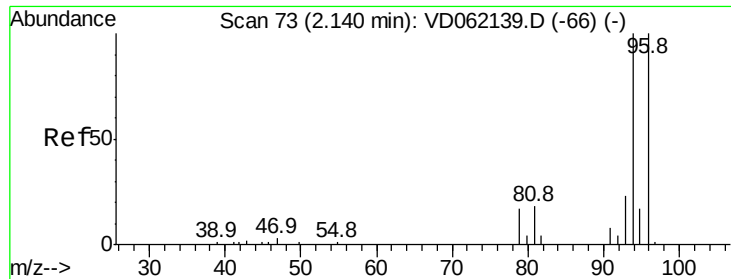
Tgt Ion: 62 Resp: 226148

Ion Ratio Lower Upper

62 100

64 32.6 26.5 39.7





#5

Bromomethane

Concen: 70.823 ug/l

RT: 2.16 min Scan# 75

Delta R.T. 0.02 min

Lab File: VD062385.D

Acq: 15 May 2019 13:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

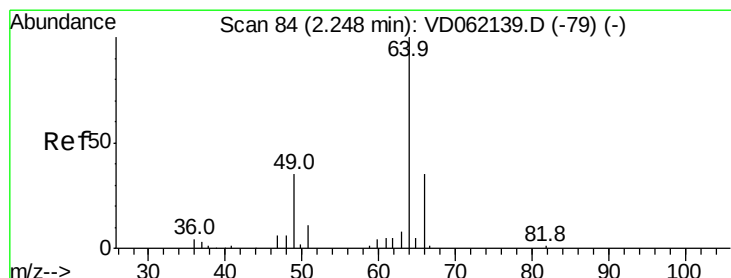
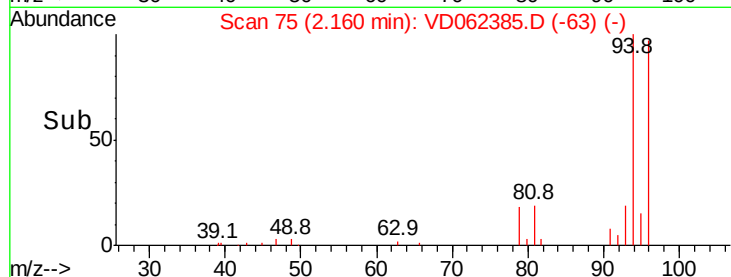
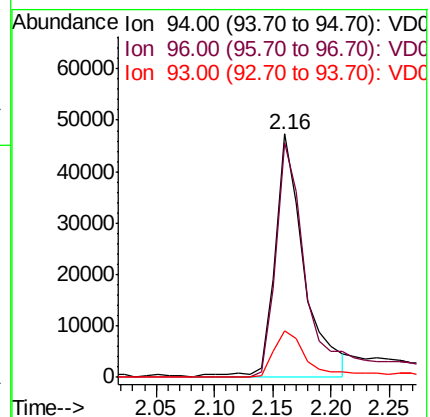
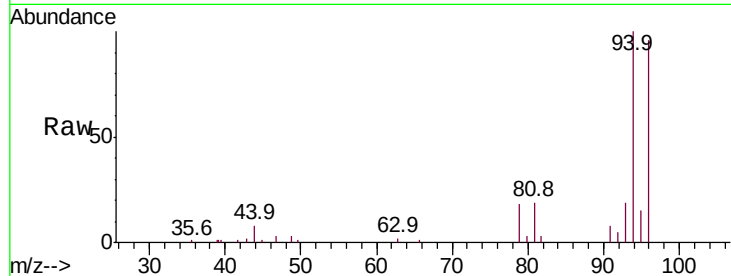
Tot Ion: 94 Resp: 82066

Ion Ratio Lower Upper

94 100

96 96.4 76.6 115.0

93 19.1 18.5 27.7



#6

Chloroethane

Concen: 57.219 ug/l

RT: 2.28 min Scan# 87

Delta R.T. 0.03 min

Lab File: VD062385.D

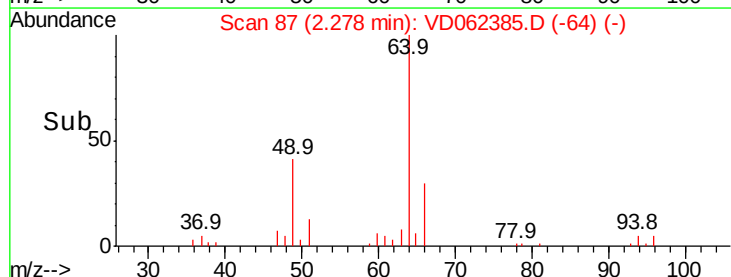
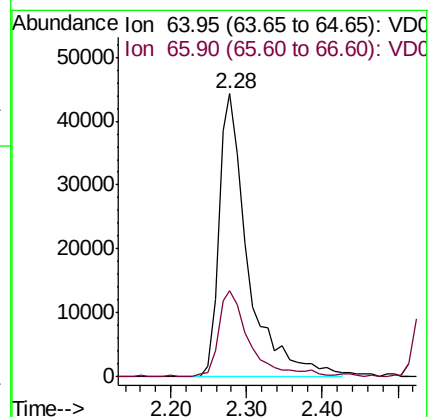
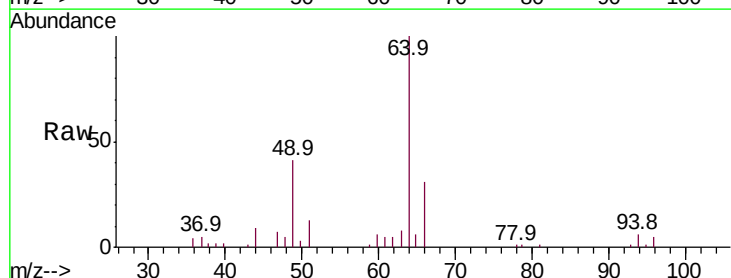
Acq: 15 May 2019 13:41

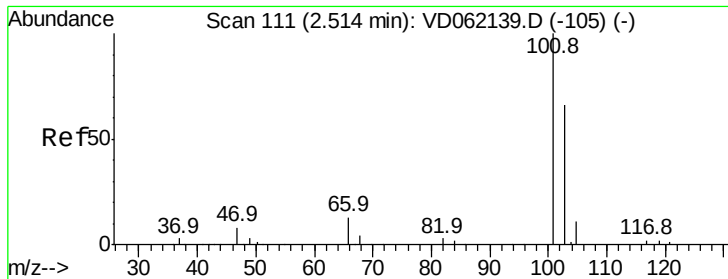
Tgt Ion: 64 Resp: 118734

Ion Ratio Lower Upper

64 100

66 30.5 25.6 38.4



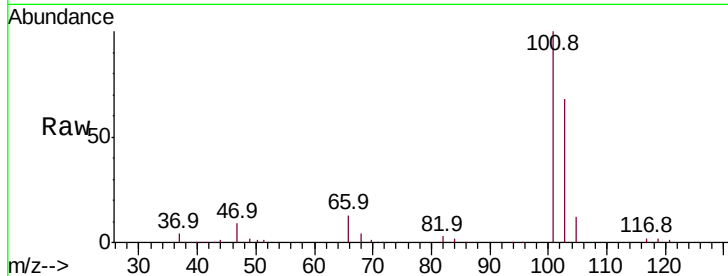


#7

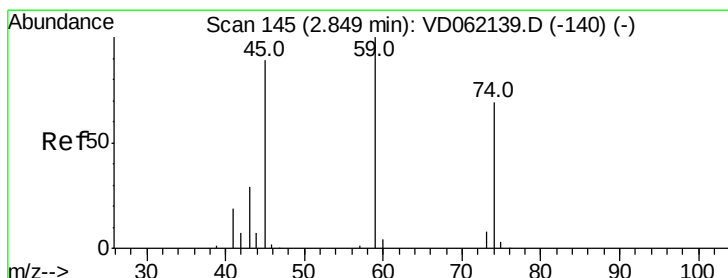
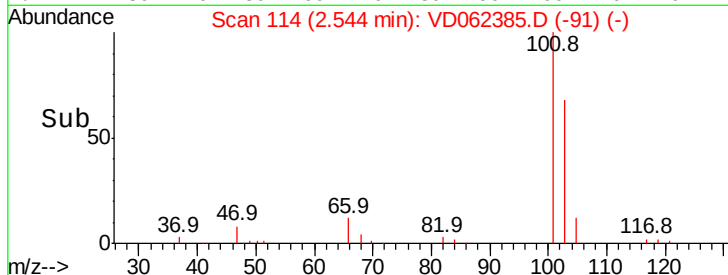
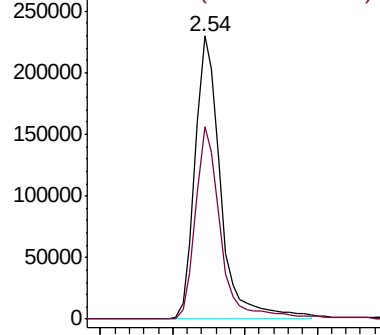
Trichlorofluoromethane
 Concen: 59.117 ug/l
 RT: 2.54 min Scan# 114
 Delta R.T. 0.03 min
 Lab File: VD062385.D
 Acq: 15 May 2019 13:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:101 Resp: 568366
 Ion Ratio Lower Upper
 101 100
 103 68.0 53.6 80.4



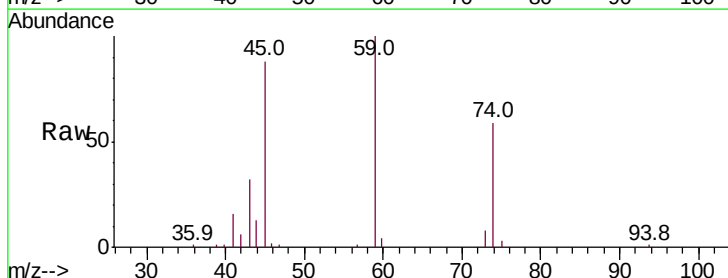
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



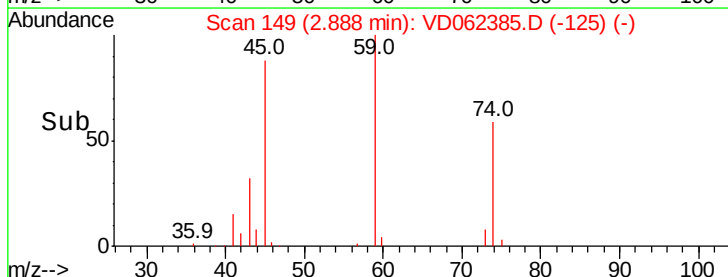
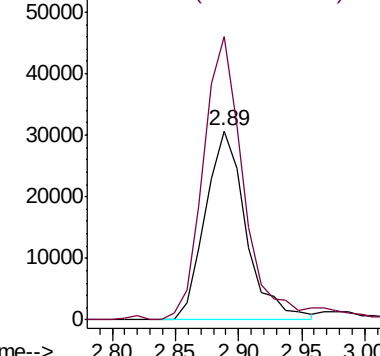
#8

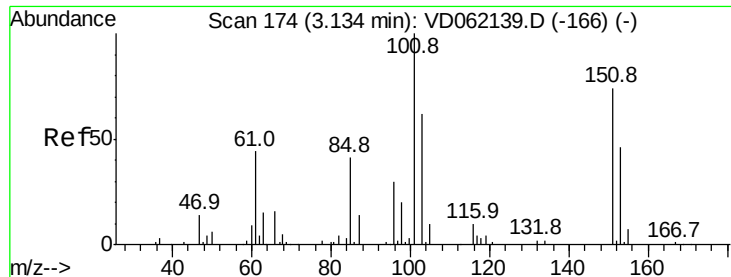
Diethyl Ether
 Concen: 37.115 ug/l
 RT: 2.89 min Scan# 149
 Delta R.T. 0.04 min
 Lab File: VD062385.D
 Acq: 15 May 2019 13:41

Tgt Ion: 74 Resp: 68819
 Ion Ratio Lower Upper
 74 100
 45 152.7 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: 48.433 ug/l

RT: 3.16 min Scan# 177

Delta R.T. 0.03 min

Lab File: VD062385.D

Acq: 15 May 2019 13:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

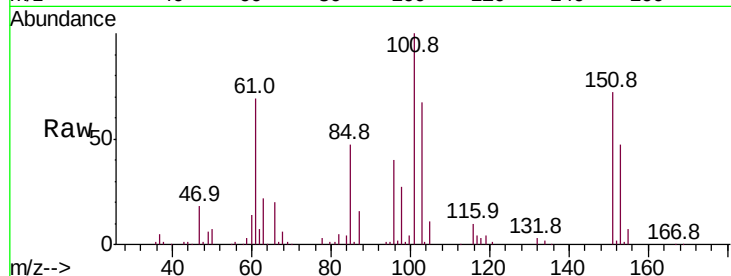
Tot Ion:101 Resp: 352243

Ion Ratio Lower Upper

101 100

85 46.7 32.4 48.6

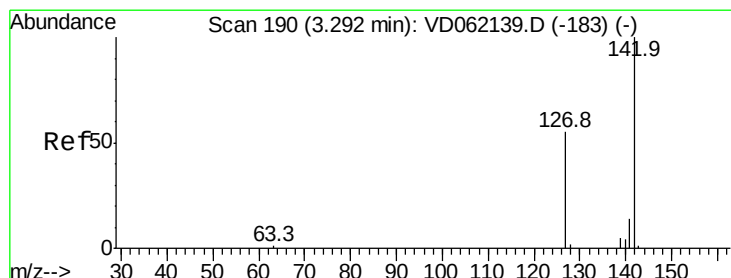
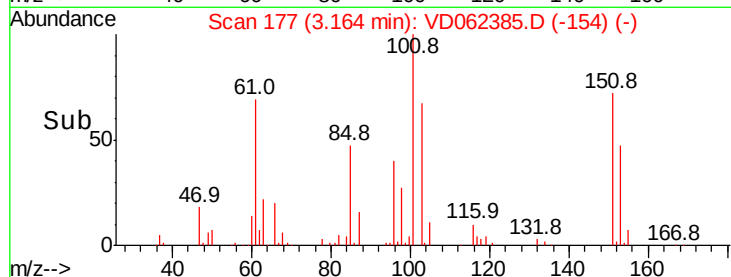
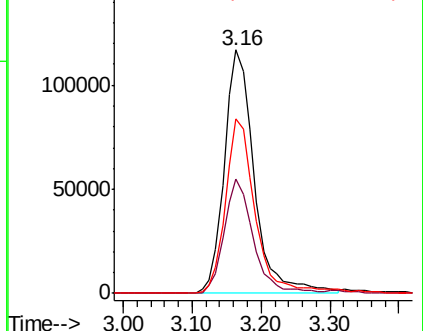
151 71.9 59.4 89.0



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: 40.452 ug/l

RT: 3.32 min Scan# 193

Delta R.T. 0.03 min

Lab File: VD062385.D

Acq: 15 May 2019 13:41

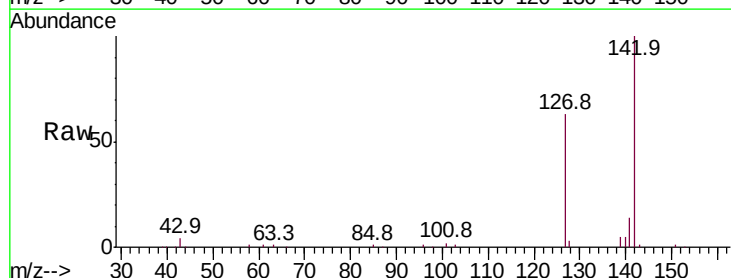
Tgt Ion:142 Resp: 444649

Ion Ratio Lower Upper

142 100

127 62.8 38.8 58.2#

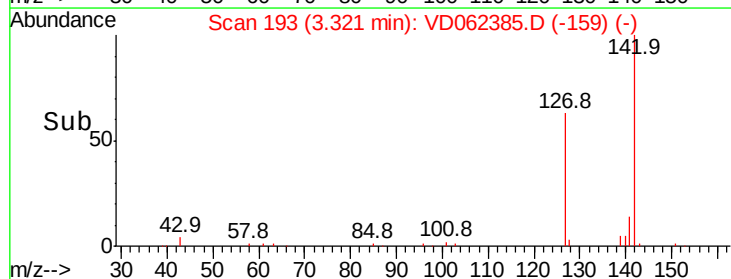
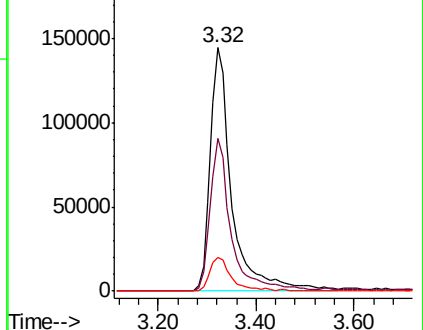
141 13.9 11.4 17.0

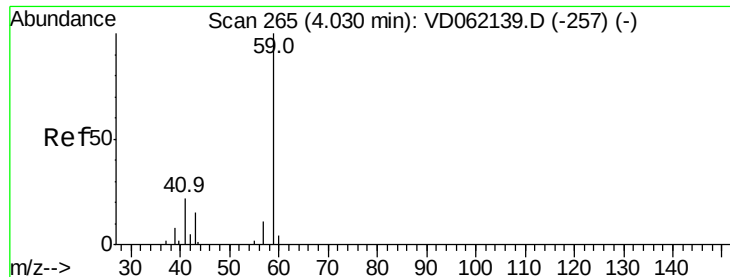


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



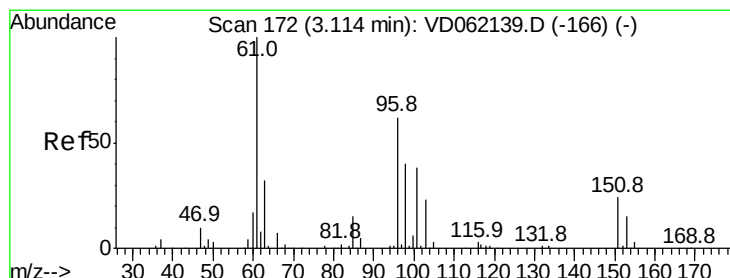
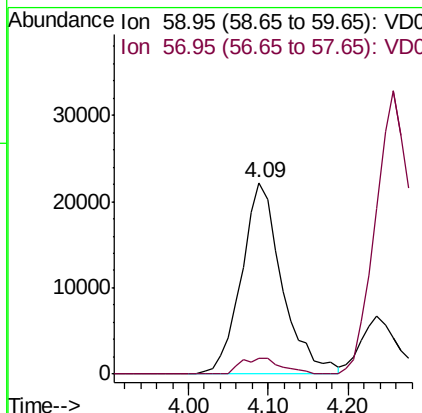
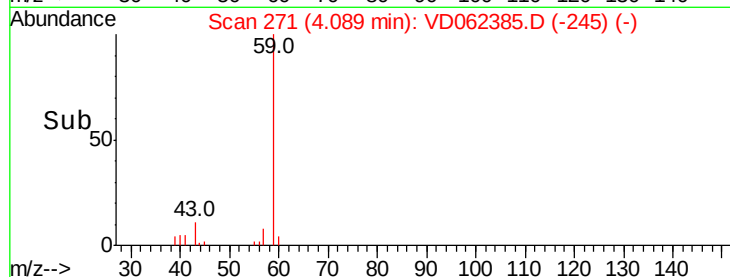
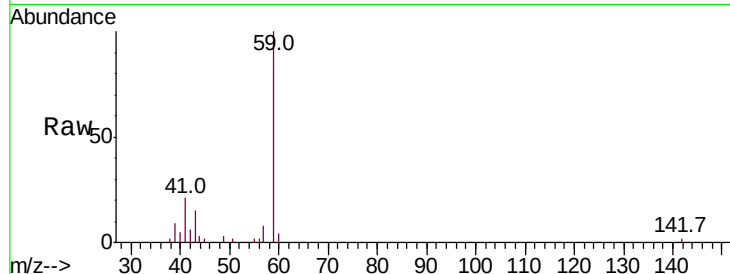


#11

Tert butyl alcohol
Concen: 225.391 ug/l
RT: 4.09 min Scan# 271
Delta R.T. 0.06 min
Lab File: VD062385.D
Acq: 15 May 2019 13:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

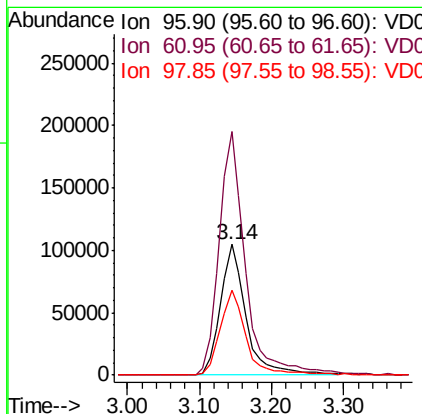
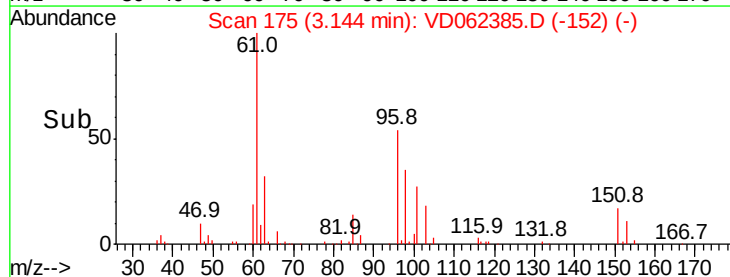
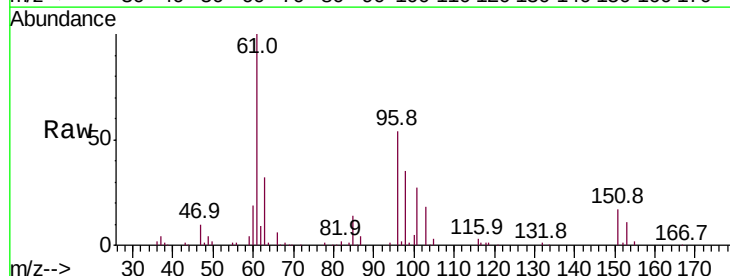
Tot Ion: 59 Resp: 77848
Ion Ratio Lower Upper
59 100
57 8.4 6.9 10.3

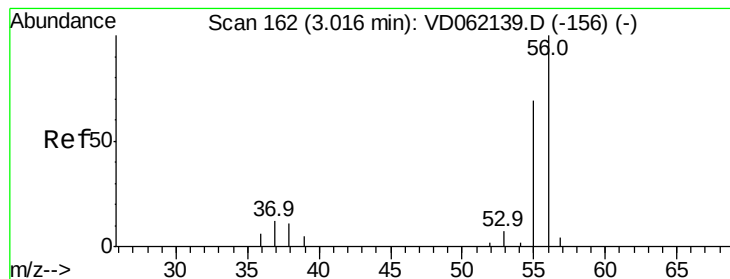


#12

1,1-Dichloroethene
Concen: 46.462 ug/l
RT: 3.14 min Scan# 175
Delta R.T. 0.03 min
Lab File: VD062385.D
Acq: 15 May 2019 13:41

Tgt Ion: 96 Resp: 257947
Ion Ratio Lower Upper
96 100
61 186.8 129.8 194.8
98 65.0 51.2 76.8





#13

Acrolein

Concen: 228.354 ug/l

RT: 3.06 min Scan# 166

Delta R.T. 0.04 min

Lab File: VD062385.D

Acq: 15 May 2019 13:41

Instrument :

MSVOA_D

ClientSampleId :

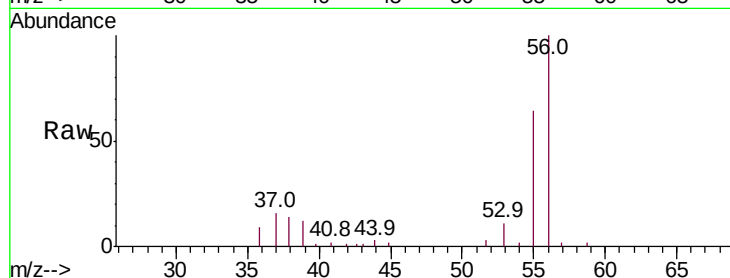
VSTDCCC050

Tot Ion: 56 Resp: 81577

Ion Ratio Lower Upper

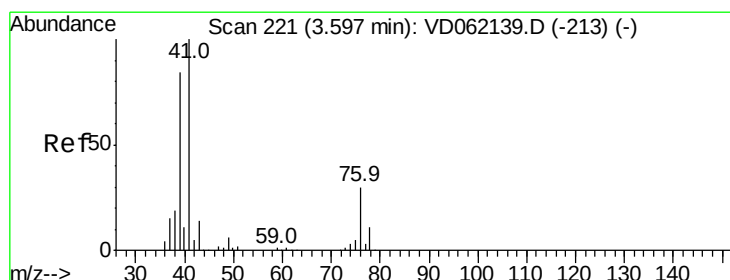
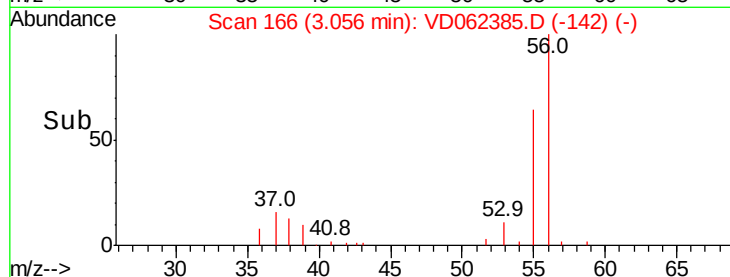
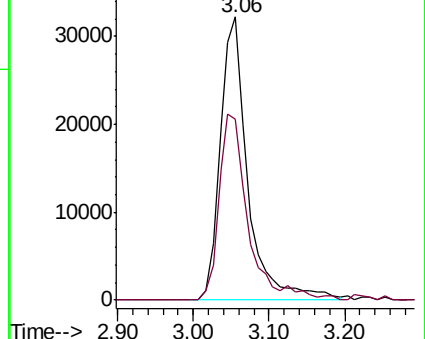
56 100

55 63.8 51.4 77.2



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 46.957 ug/l

RT: 3.64 min Scan# 225

Delta R.T. 0.04 min

Lab File: VD062385.D

Acq: 15 May 2019 13:41

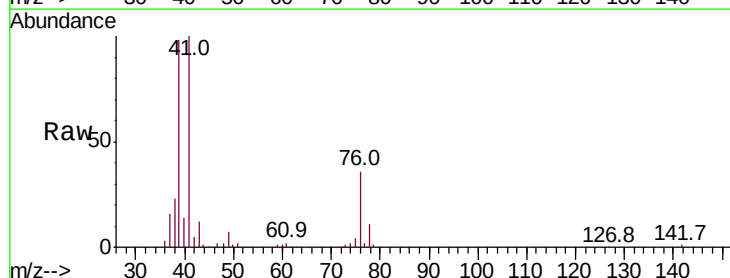
Tgt Ion: 41 Resp: 379046

Ion Ratio Lower Upper

41 100

39 97.9 60.5 90.7#

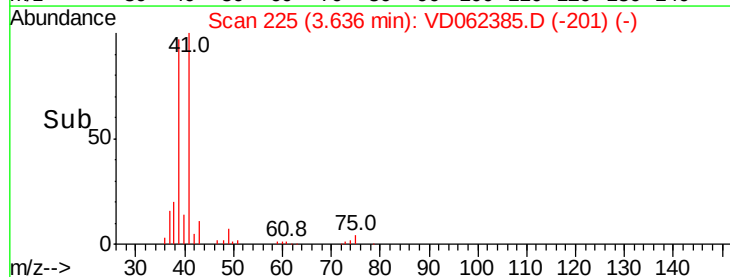
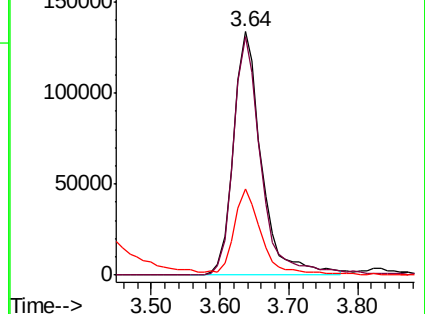
76 35.6 31.8 47.8

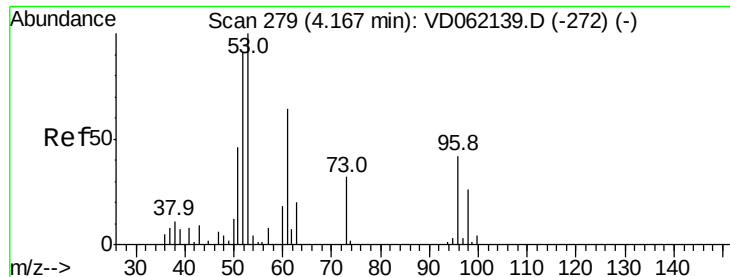


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 227.577 ug/l

RT: 4.22 min Scan# 284

Delta R.T. 0.05 min

Lab File: VD062385.D

Acq: 15 May 2019 13:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

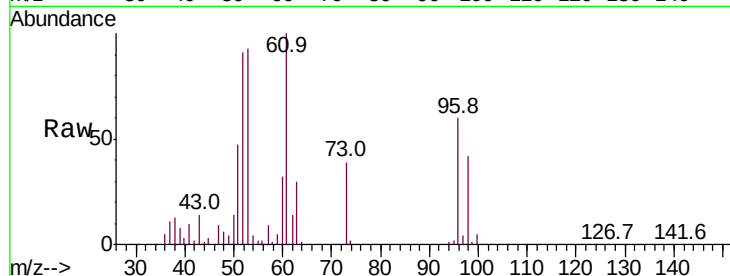
Tot Ion: 53 Resp: 206604

Ion Ratio Lower Upper

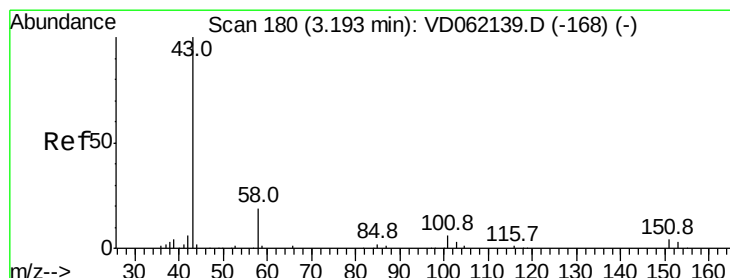
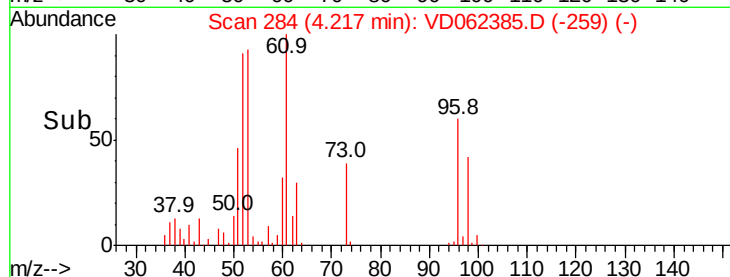
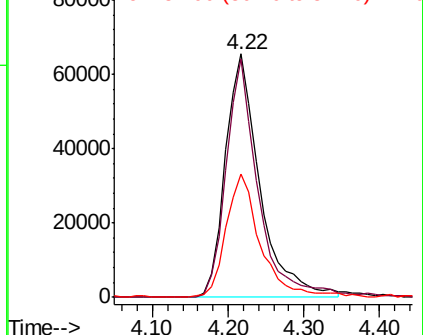
53 100

52 98.1 65.0 97.4#

51 50.7 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: 289.916 ug/l

RT: 3.23 min Scan# 184

Delta R.T. 0.04 min

Lab File: VD062385.D

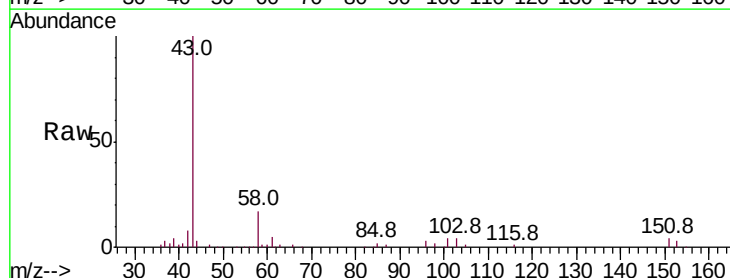
Acq: 15 May 2019 13:41

Tgt Ion: 43 Resp: 411390

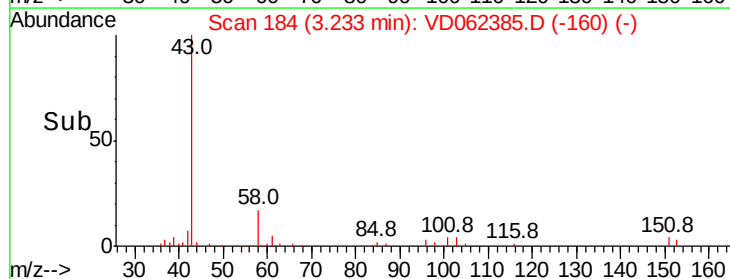
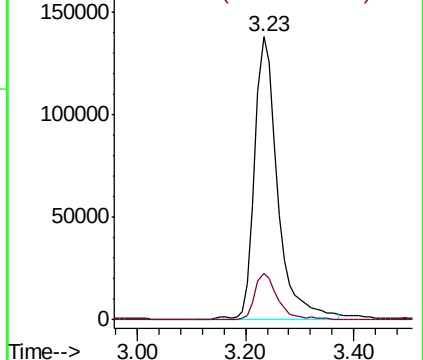
Ion Ratio Lower Upper

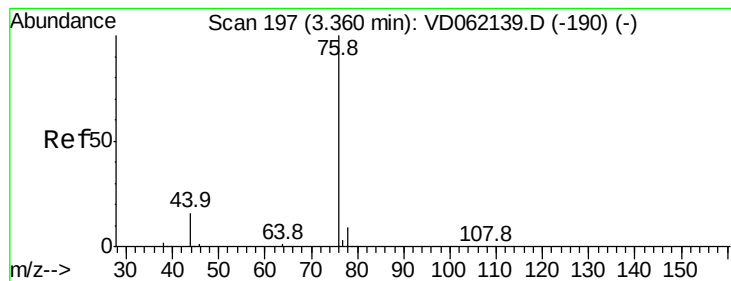
43 100

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: 43.722 ug/l

RT: 3.39 min Scan# 200

Delta R.T. 0.03 min

Lab File: VD062385.D

Acq: 15 May 2019 13:41

Instrument :

MSVOA_D

ClientSampleId :

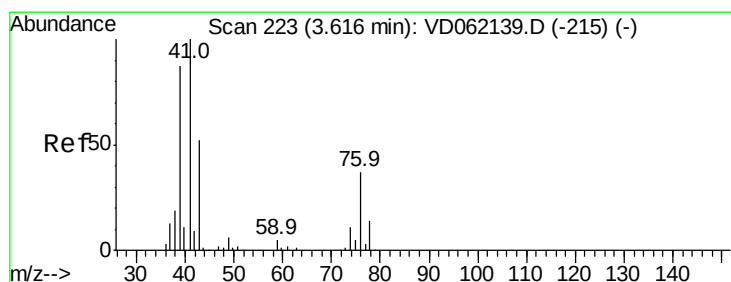
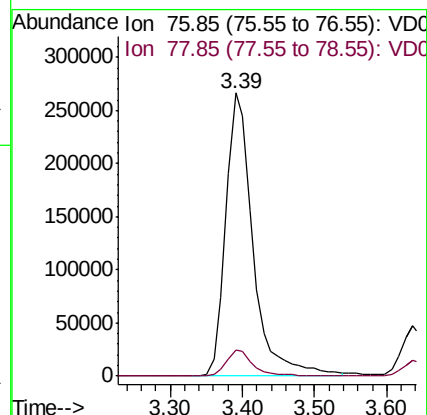
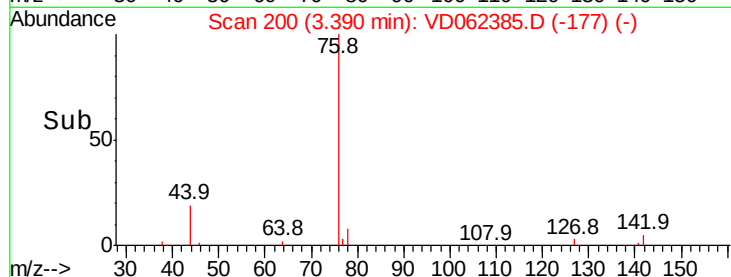
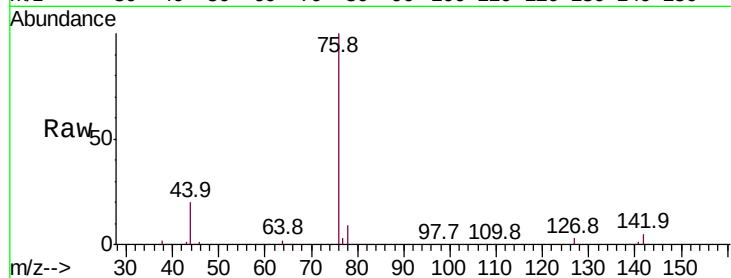
VSTDCCC050

Tot Ion: 76 Resp: 698273

Ion Ratio Lower Upper

76 100

78 9.1 7.2 10.8



#18

Methyl Acetate

Concen: 43.623 ug/l

RT: 3.66 min Scan# 227

Delta R.T. 0.04 min

Lab File: VD062385.D

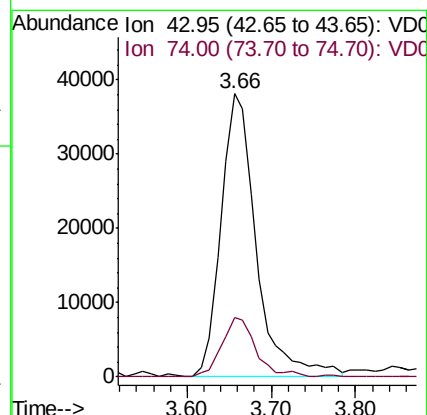
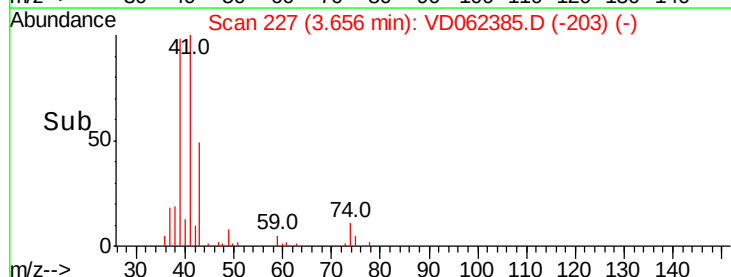
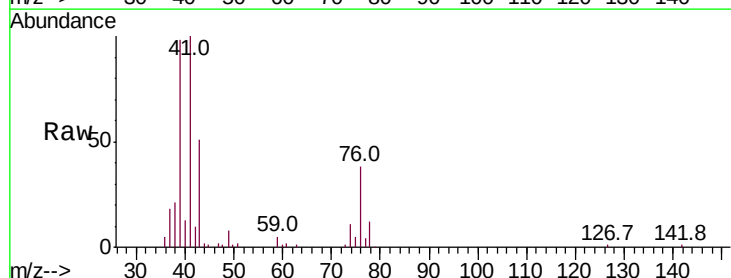
Acq: 15 May 2019 13:41

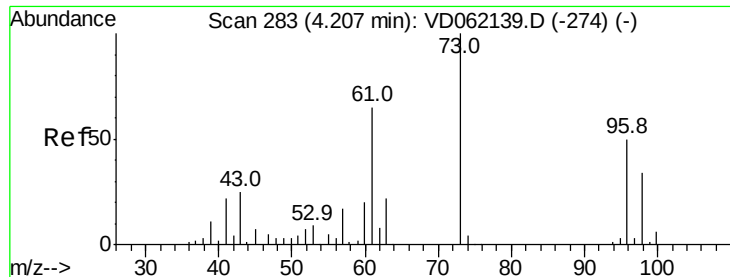
Tgt Ion: 43 Resp: 110808

Ion Ratio Lower Upper

43 100

74 21.0 18.0 27.0

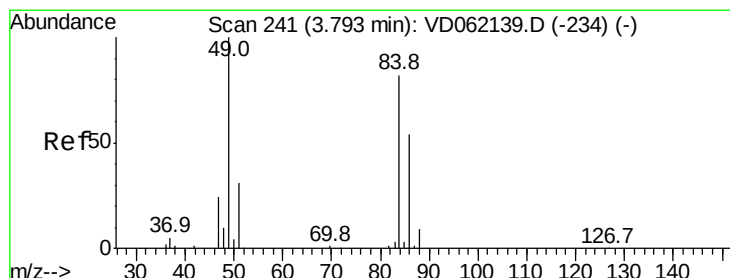
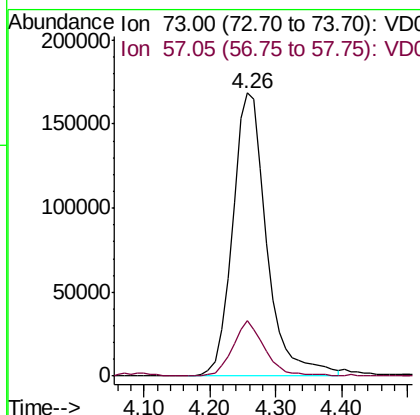
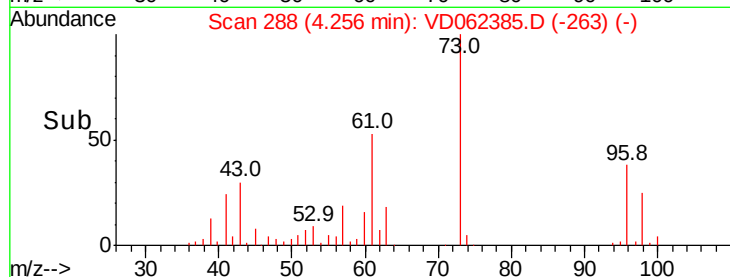
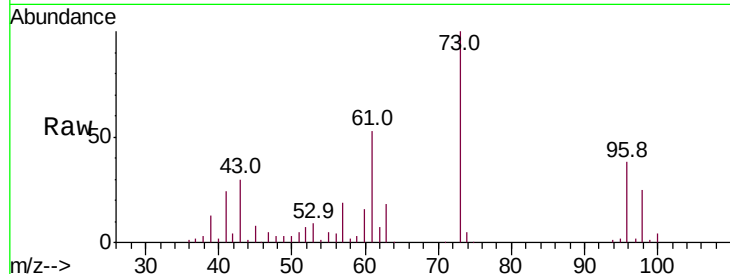




#19
Methyl tert-butyl Ether
Concen: 51.229 ug/l
RT: 4.26 min Scan# 288
Delta R.T. 0.05 min
Lab File: VD062385.D
Acq: 15 May 2019 13:41

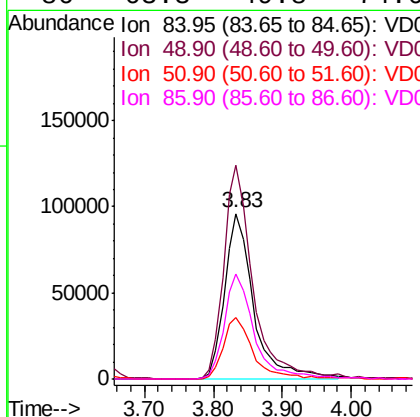
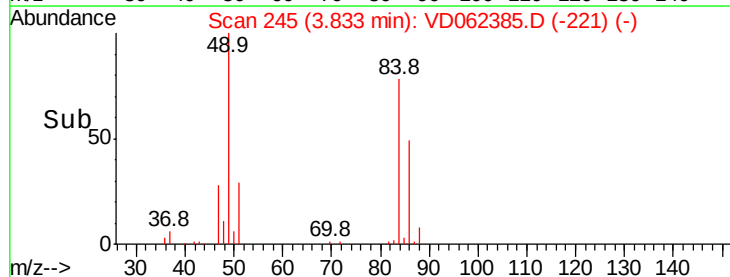
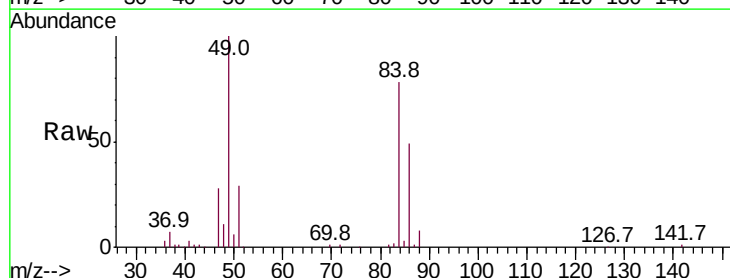
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

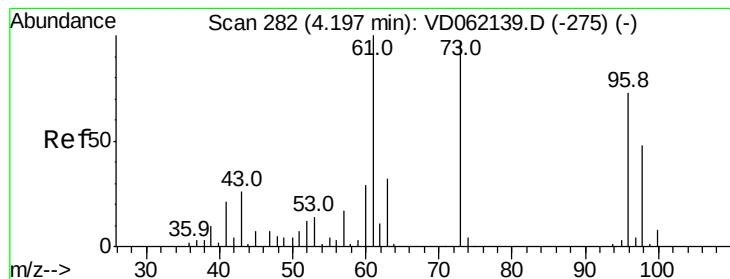
Tot Ion: 73 Resp: 609621
Ion Ratio Lower Upper
73 100
57 19.5 16.3 24.5



#20
Methylene Chloride
Concen: 47.351 ug/l
RT: 3.83 min Scan# 245
Delta R.T. 0.04 min
Lab File: VD062385.D
Acq: 15 May 2019 13:41

Tgt Ion: 84 Resp: 280549
Ion Ratio Lower Upper
84 100
49 128.9 94.0 141.0
51 37.4 29.0 43.4
86 63.3 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 48.206 ug/l

RT: 4.24 min Scan# 286

Delta R.T. 0.04 min

Lab File: VD062385.D

Acq: 15 May 2019 13:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

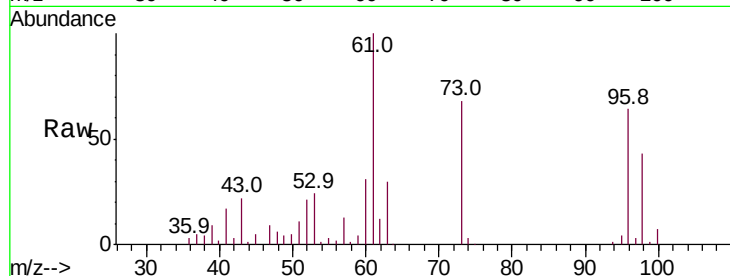
Tot Ion: 96 Resp: 297810

Ion Ratio Lower Upper

96 100

61 155.7 104.4 156.6

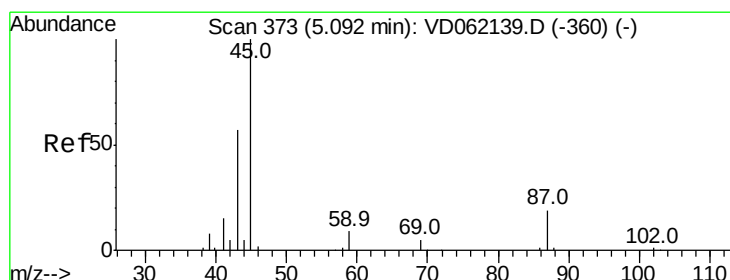
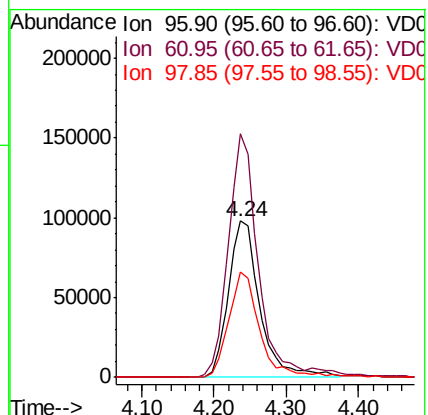
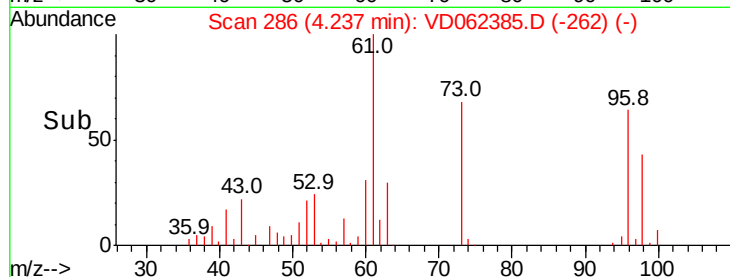
98 67.1 51.8 77.8



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: 50.507 ug/l

RT: 5.14 min Scan# 378

Delta R.T. 0.05 min

Lab File: VD062385.D

Acq: 15 May 2019 13:41

Tgt Ion: 45 Resp: 867579

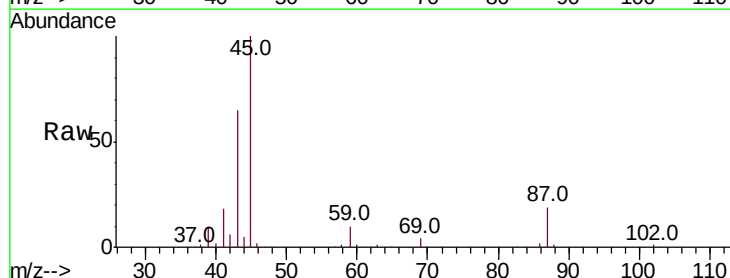
Ion Ratio Lower Upper

45 100

43 64.7 46.2 69.2

87 19.3 15.9 23.9

59 9.7 7.9 11.9

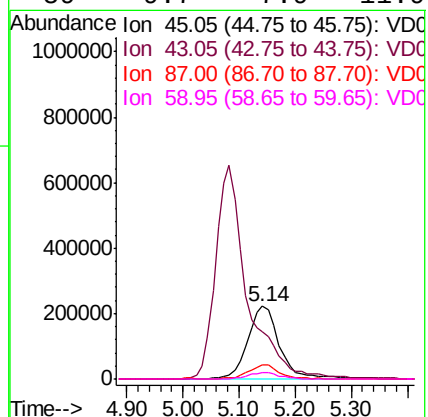
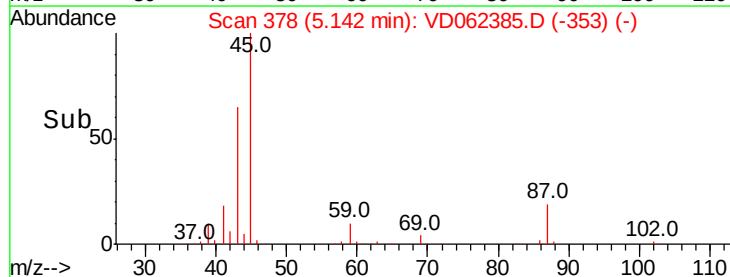


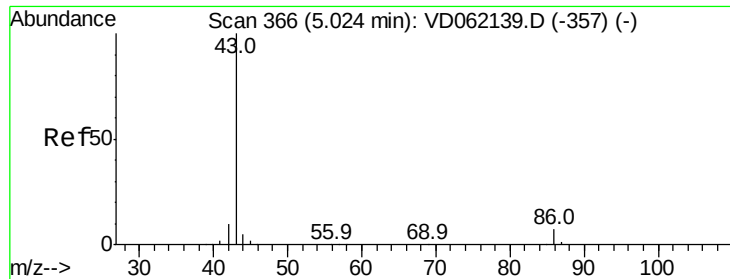
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 278.632 ug/l

RT: 5.08 min Scan# 372

Delta R.T. 0.06 min

Lab File: VD062385.D

Acq: 15 May 2019 13:41

Instrument :

MSVOA_D

ClientSampleId :

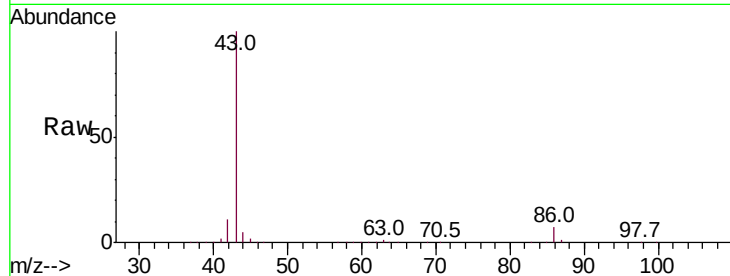
VSTDCCC050

Tot Ion: 43 Resp: 2525250

Ion Ratio Lower Upper

43 100

86 7.3 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.08

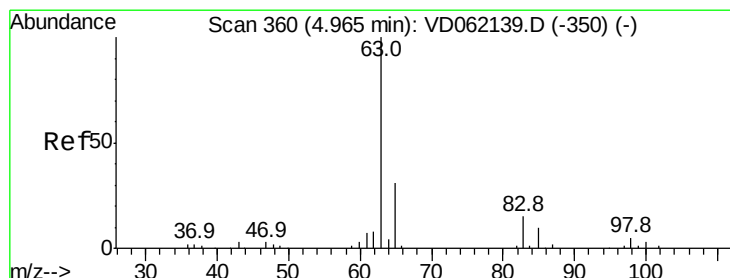
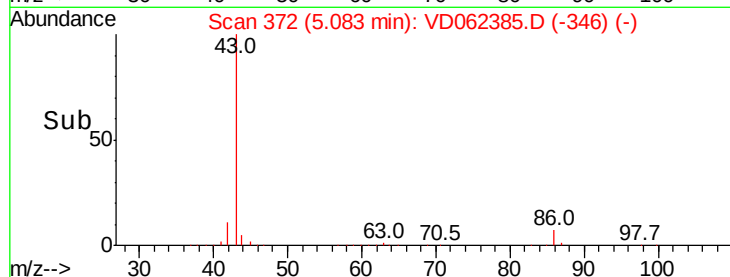
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 50.341 ug/l

RT: 5.00 min Scan# 364

Delta R.T. 0.04 min

Lab File: VD062385.D

Acq: 15 May 2019 13:41

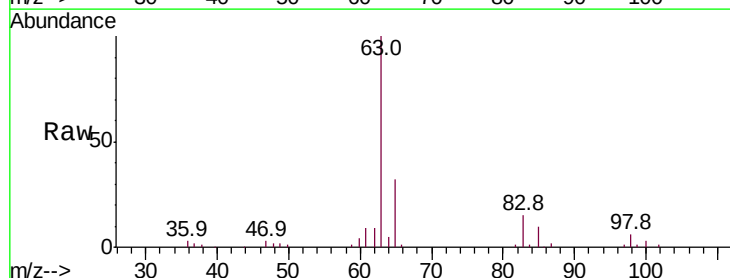
Tgt Ion: 63 Resp: 521662

Ion Ratio Lower Upper

63 100

98 6.0 2.8 8.4

100 2.8 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

5.00

200000

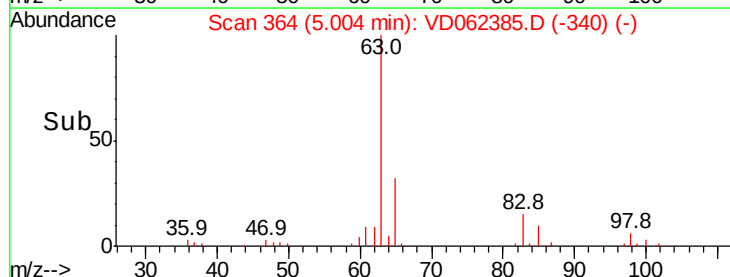
150000

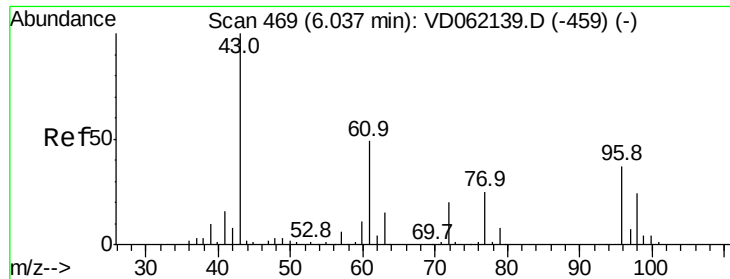
100000

50000

0

Time-->





#25

2-Butanone

Concen: 265.664 ug/l

RT: 6.09 min Scan# 474

Delta R.T. 0.05 min

Lab File: VD062385.D

Acq: 15 May 2019 13:41

Instrument :

MSVOA_D

ClientSampleId :

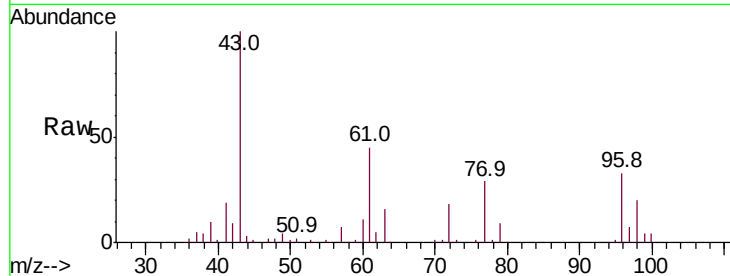
VSTDCCC050

Tot Ion: 43 Resp: 411191

Ion Ratio Lower Upper

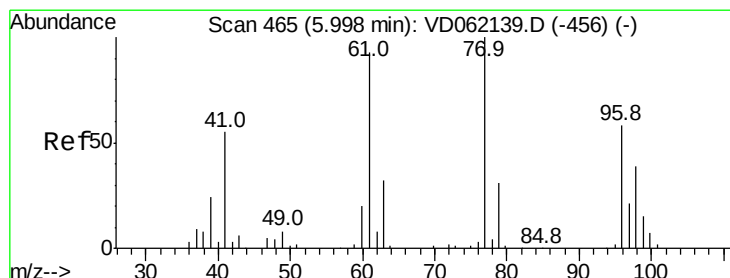
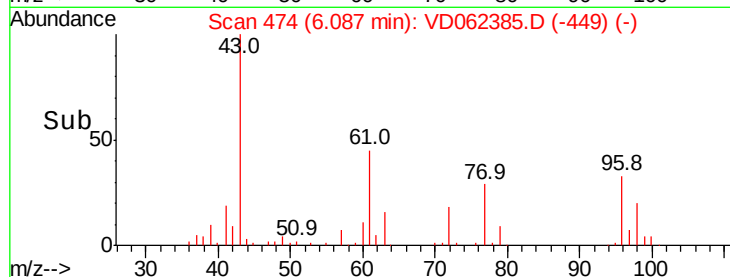
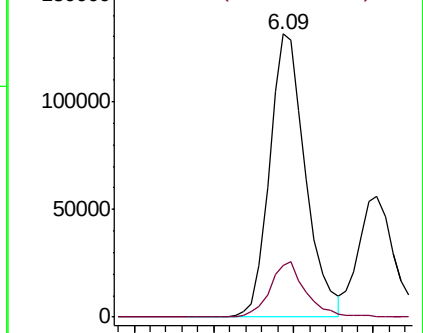
43 100

72 18.4 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: 53.540 ug/l

RT: 6.04 min Scan# 469

Delta R.T. 0.04 min

Lab File: VD062385.D

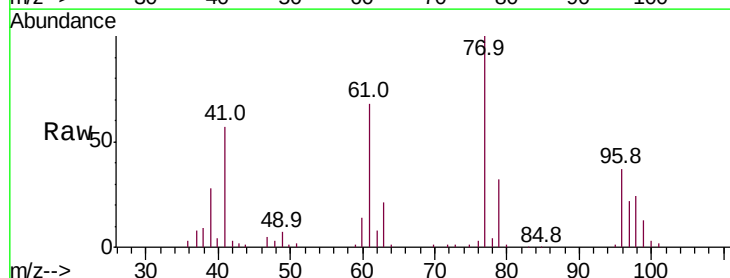
Acq: 15 May 2019 13:41

Tgt Ion: 77 Resp: 552653

Ion Ratio Lower Upper

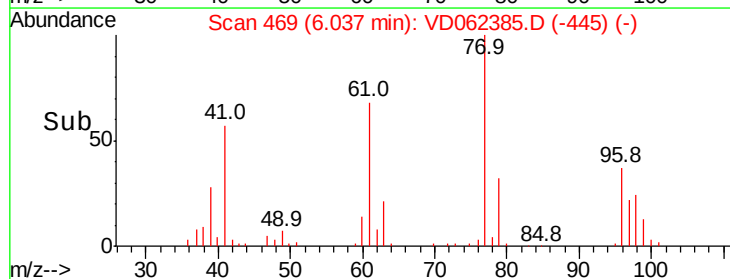
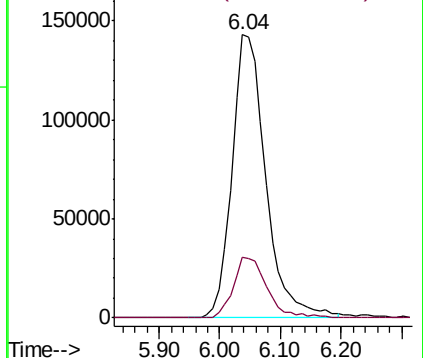
77 100

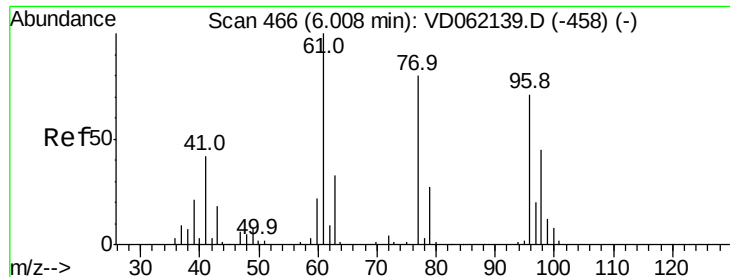
97 21.5 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



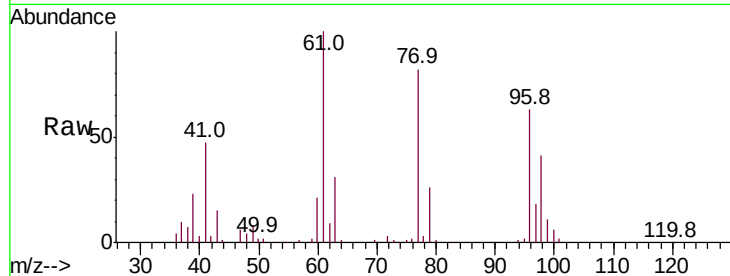


#27

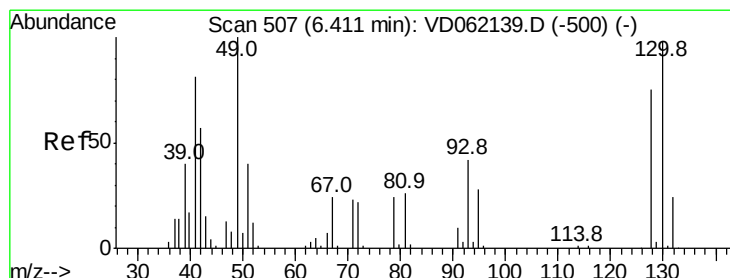
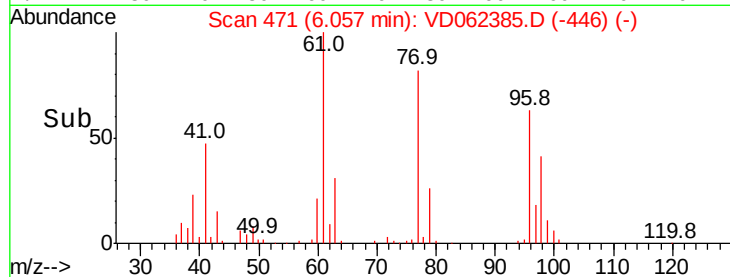
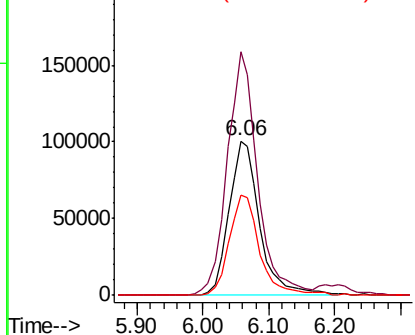
cis-1,2-Dichloroethene
Concen: 47.303 ug/l
RT: 6.06 min Scan# 471
Delta R.T. 0.05 min
Lab File: VD062385.D
Acq: 15 May 2019 13:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	96	Resp	327100
Ion	Ratio	Lower	Upper
96	100		
61	157.9	0.0	279.8
98	65.4	0.0	136.0



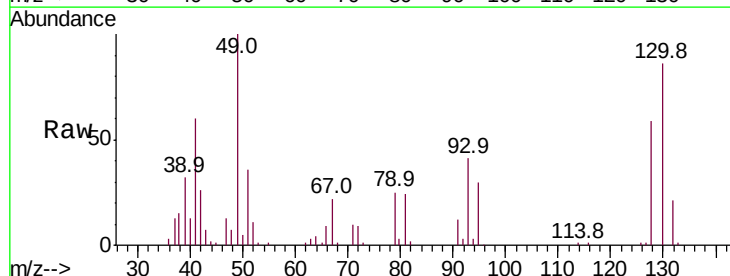
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



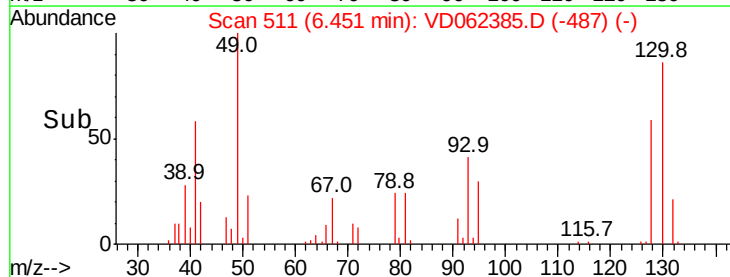
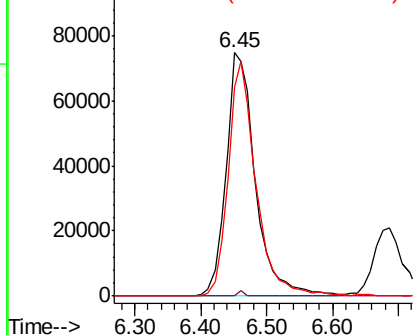
#28

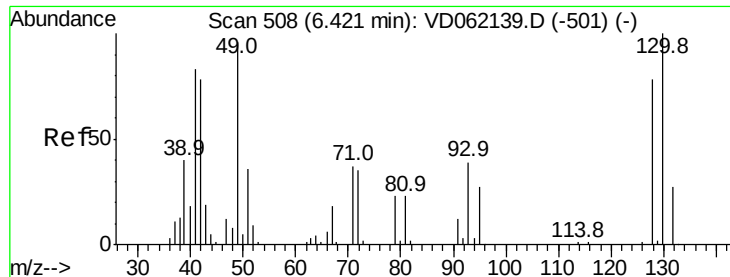
Bromochloromethane
Concen: 56.968 ug/l
RT: 6.45 min Scan# 511
Delta R.T. 0.04 min
Lab File: VD062385.D
Acq: 15 May 2019 13:41

Tgt Ion	49	Resp	232257
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	6.6
130	85.9	86.7	130.1#



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





#29

Tetrahydrofuran

Concen: 227.569 ug/l

RT: 6.48 min Scan# 514

Delta R.T. 0.06 min

Lab File: VD062385.D

Acq: 15 May 2019 13:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

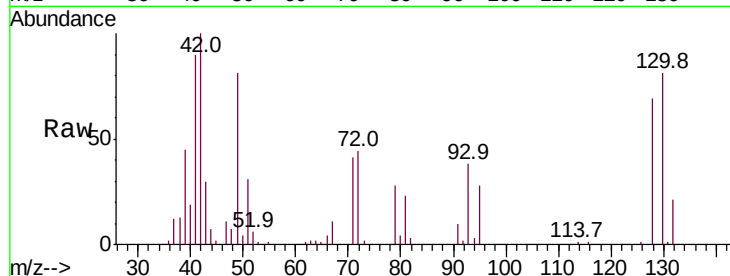
Tot Ion: 42 Resp: 162292

Ion Ratio Lower Upper

42 100

72 41.4 37.8 56.6

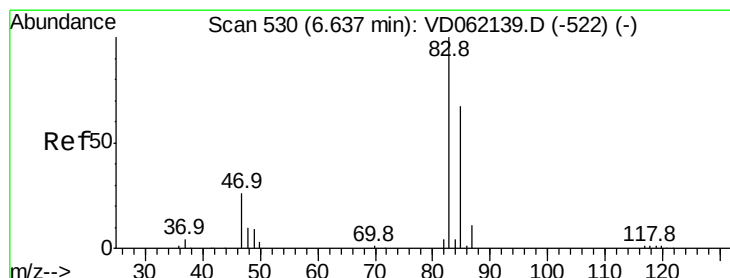
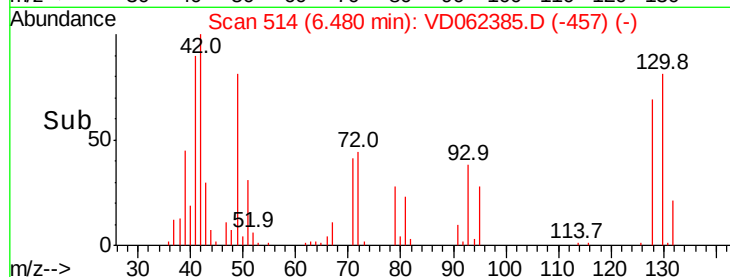
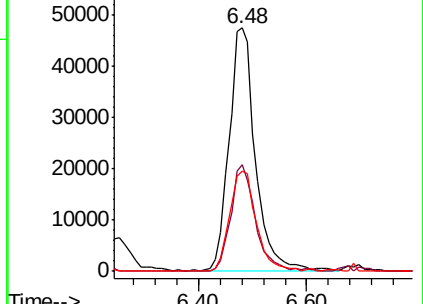
71 41.1 36.7 55.1



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 53.655 ug/l

RT: 6.69 min Scan# 535

Delta R.T. 0.05 min

Lab File: VD062385.D

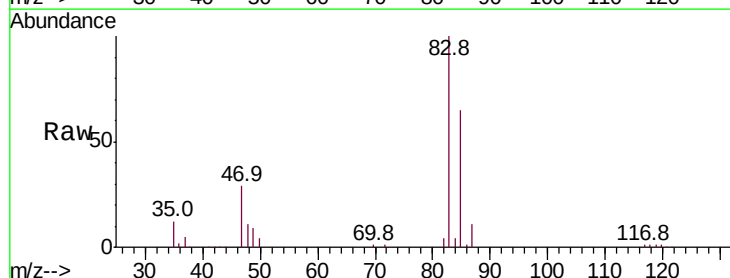
Acq: 15 May 2019 13:41

Tgt Ion: 83 Resp: 670086

Ion Ratio Lower Upper

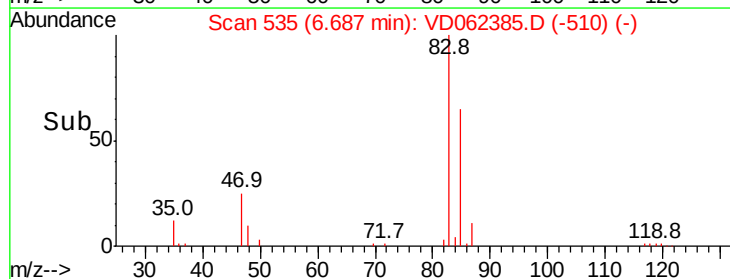
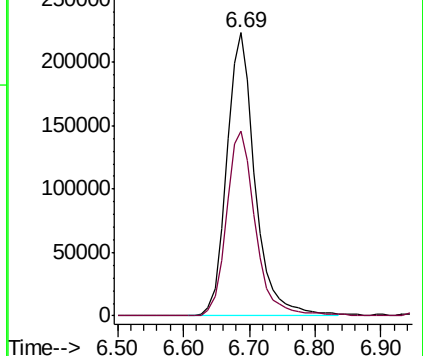
83 100

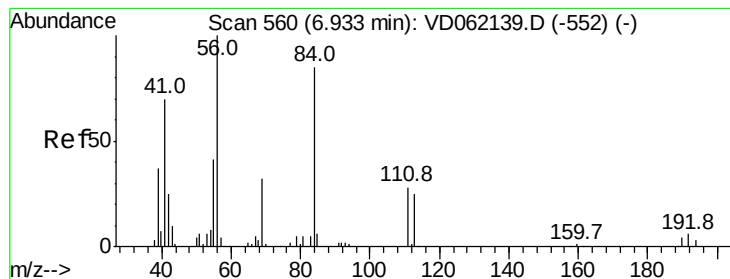
85 65.2 51.7 77.5



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC





#31

Cyclohexane

Concen: 45.971 ug/l

RT: 6.97 min Scan# 564

Delta R.T. 0.04 min

Lab File: VD062385.D

Acq: 15 May 2019 13:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

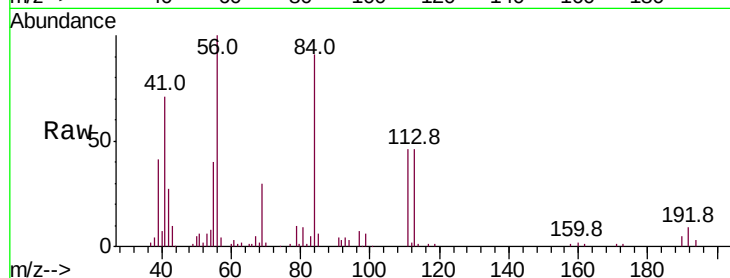
Tot Ion: 56 Resp: 326365

Ion Ratio Lower Upper

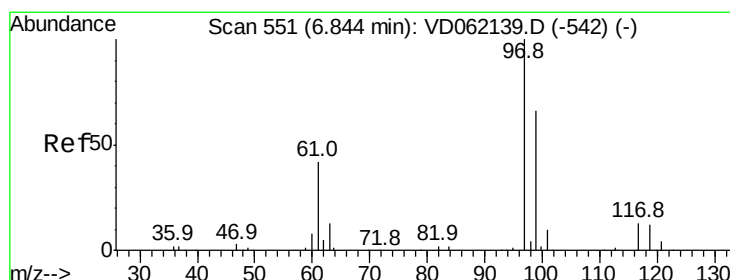
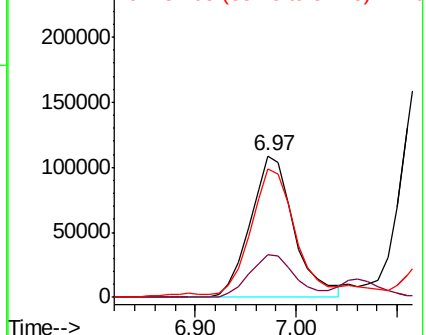
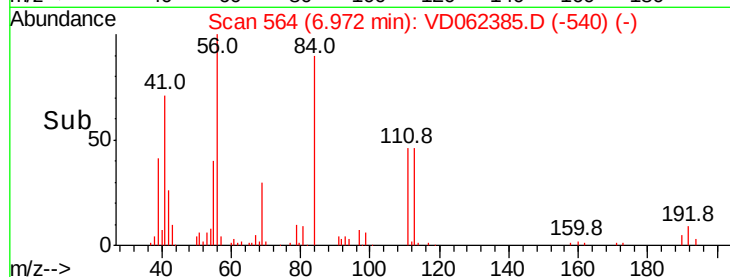
56 100

69 30.3 25.8 38.6

84 90.8 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: 55.913 ug/l

RT: 6.89 min Scan# 556

Delta R.T. 0.05 min

Lab File: VD062385.D

Acq: 15 May 2019 13:41

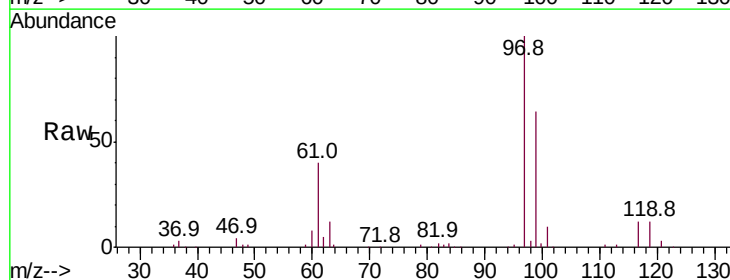
Tgt Ion: 97 Resp: 660002

Ion Ratio Lower Upper

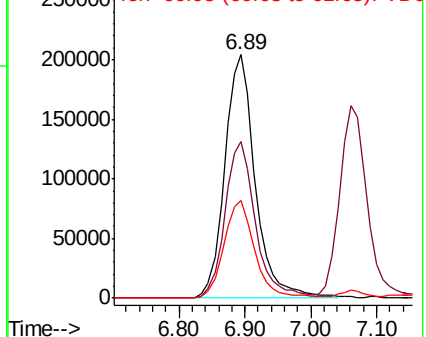
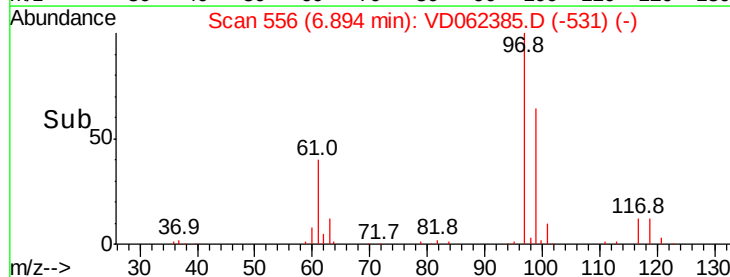
97 100

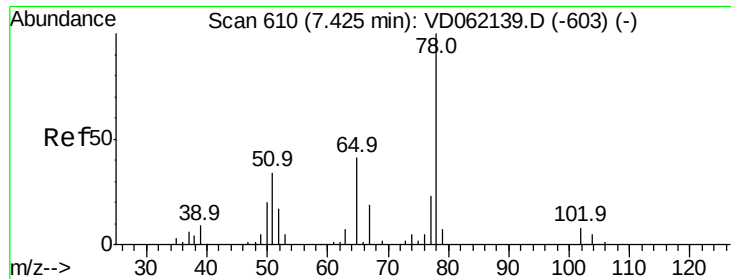
99 64.3 52.2 78.2

61 40.2 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

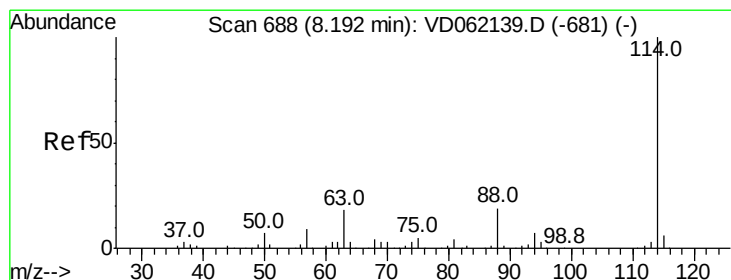
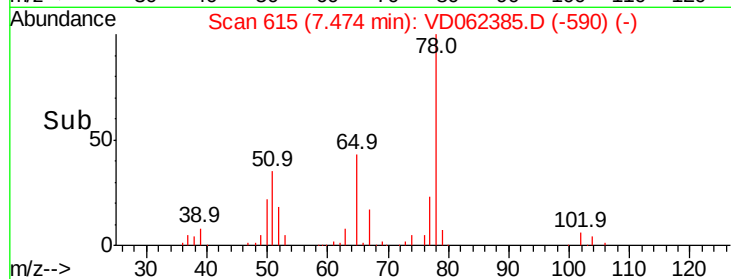
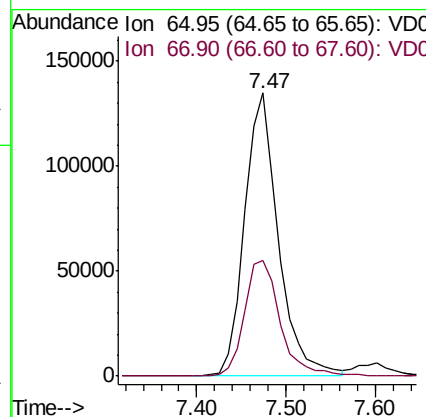
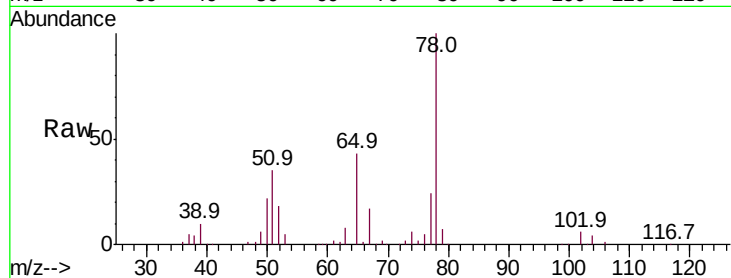




#33
 1,2-Dichloroethane-d4
 Concen: 52.257 ug/l
 RT: 7.47 min Scan# 615
 Delta R.T. 0.05 min
 Lab File: VD062385.D
 Acq: 15 May 2019 13:41

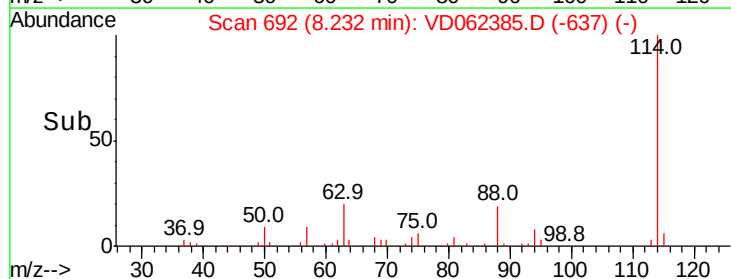
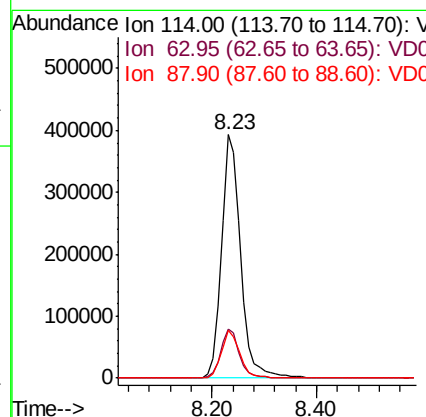
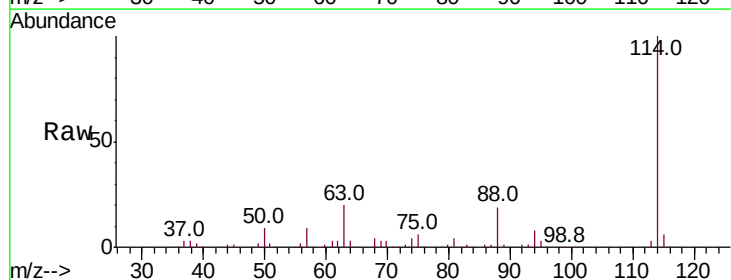
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

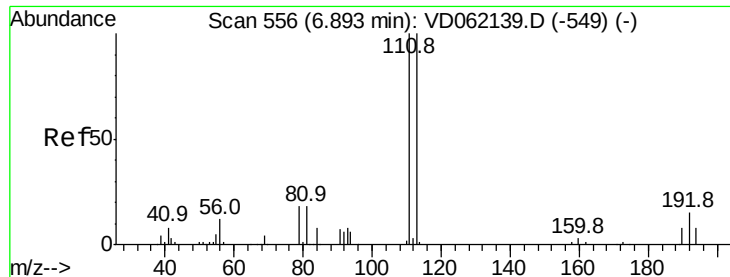
Tot Ion: 65 Resp: 353597
 Ion Ratio Lower Upper
 65 100
 67 40.8 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 692
 Delta R.T. 0.04 min
 Lab File: VD062385.D
 Acq: 15 May 2019 13:41

Tgt Ion: 114 Resp: 996089
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 32.4
 88 19.5 0.0 33.6

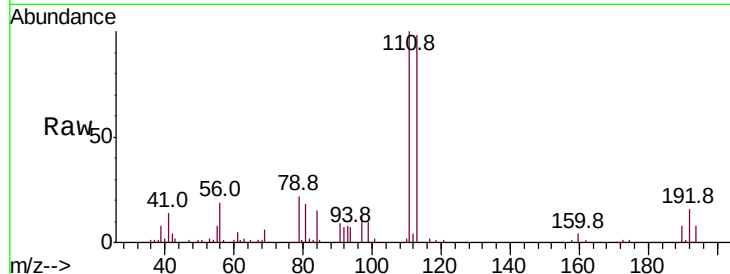




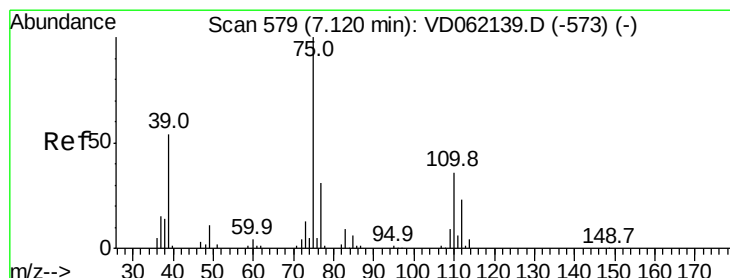
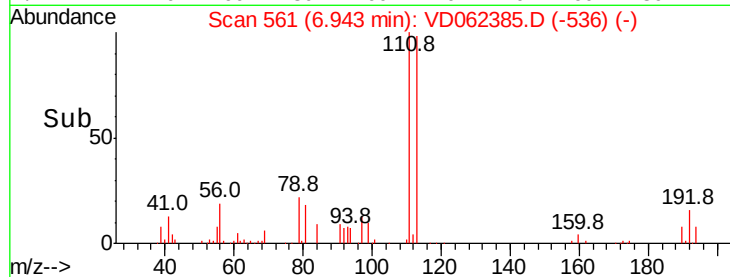
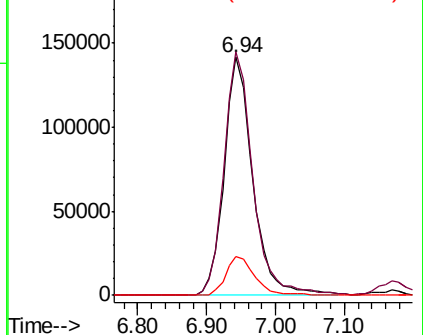
#35
 Dibromofluoromethane
 Concen: 49.368 ug/l
 RT: 6.94 min Scan# 561
 Delta R.T. 0.05 min
 Lab File: VD062385.D
 Acq: 15 May 2019 13:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:113 Resp: 408014
 Ion Ratio Lower Upper
 113 100
 111 102.4 78.5 117.7
 192 16.4 13.0 19.4

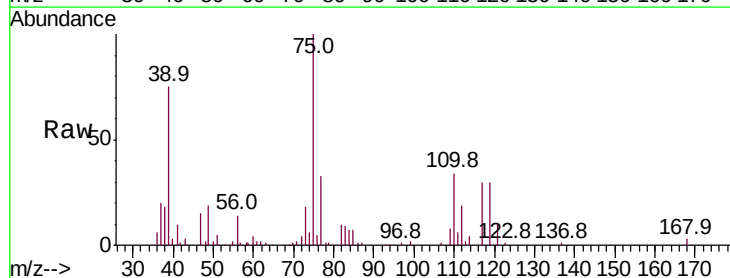


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

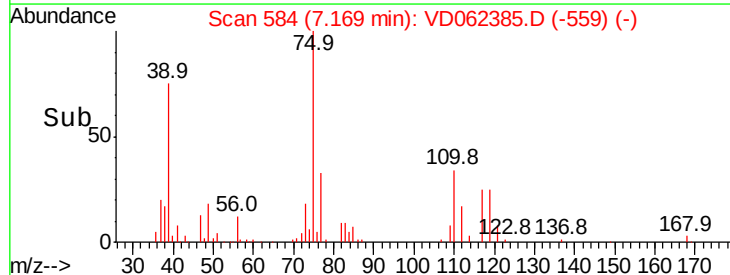
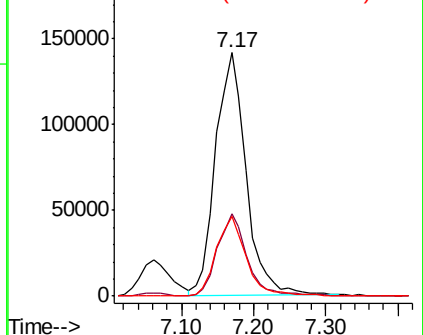


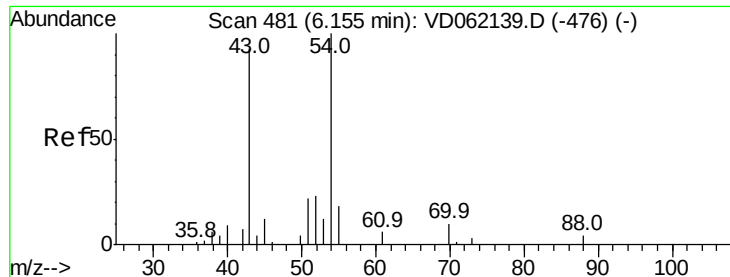
#36
 1,1-Dichloropropene
 Concen: 50.720 ug/l
 RT: 7.17 min Scan# 584
 Delta R.T. 0.05 min
 Lab File: VD062385.D
 Acq: 15 May 2019 13:41

Tgt Ion: 75 Resp: 414233
 Ion Ratio Lower Upper
 75 100
 110 33.8 19.1 57.1
 77 32.9 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: 51.029 ug/l

RT: 6.20 min Scan# 486

Delta R.T. 0.05 min

Lab File: VD062385.D

Acq: 15 May 2019 13:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

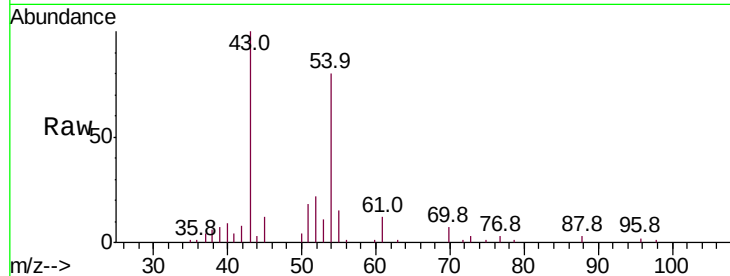
Tot Ion: 43 Resp: 176741

Ion Ratio Lower Upper

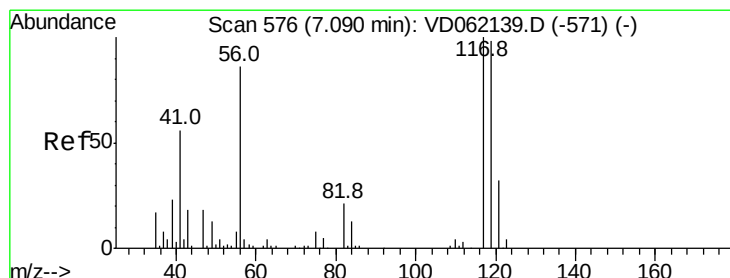
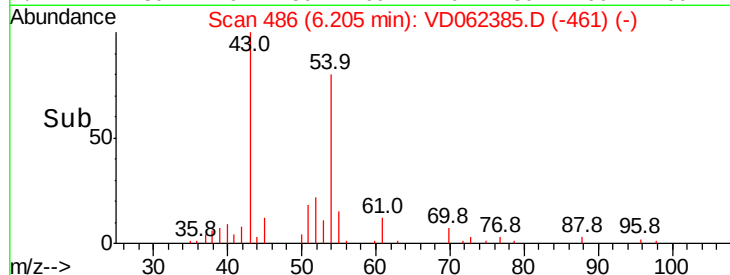
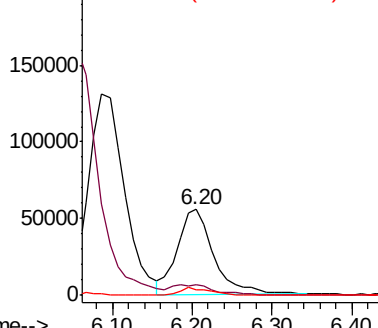
43 100

61 11.9 14.7 22.1#

70 7.1 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: 57.824 ug/l m

RT: 7.13 min Scan# 580

Delta R.T. 0.04 min

Lab File: VD062385.D

Acq: 15 May 2019 13:41

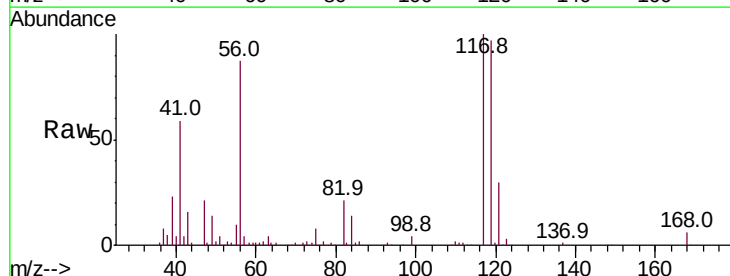
Tgt Ion: 117 Resp: 653632

Ion Ratio Lower Upper

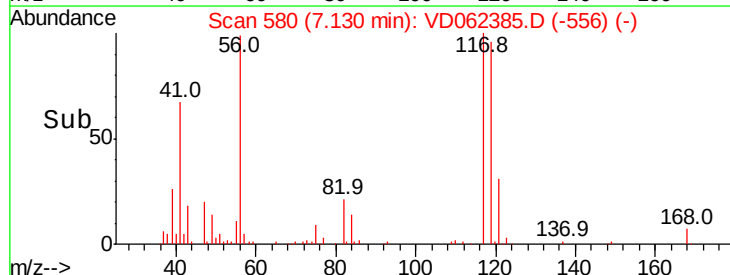
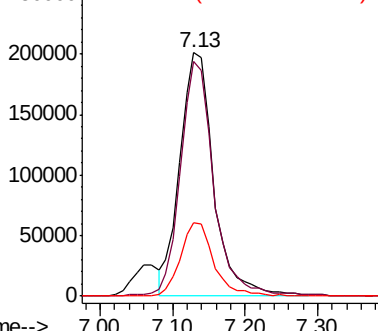
117 100

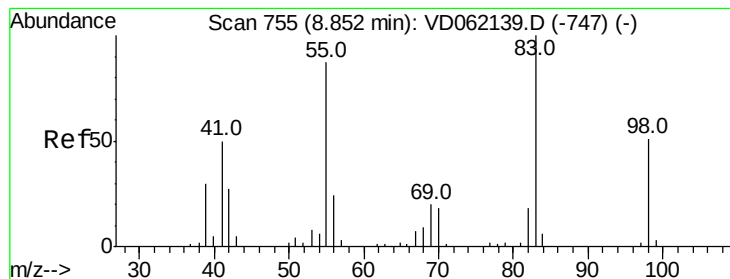
119 96.5 75.8 113.8

121 30.3 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

Methylvlcyclohexane

Concen: 45.114 ug/l

RT: 8.88 min Scan# 758

Delta R.T. 0.03 min

Lab File: VD062385.D

Acq: 15 May 2019 13:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

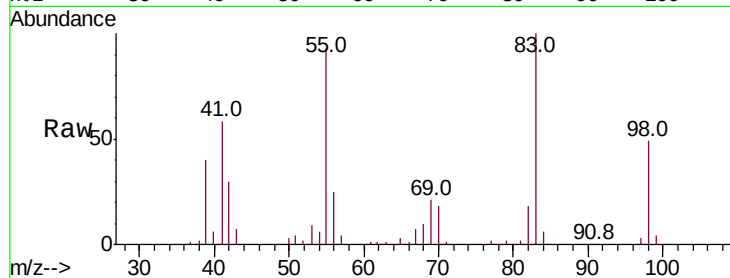
Tot Ion: 83 Resp: 353019

Ion Ratio Lower Upper

83 100

55 92.7 68.2 102.4

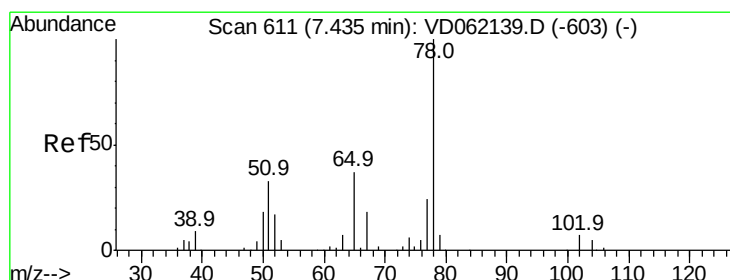
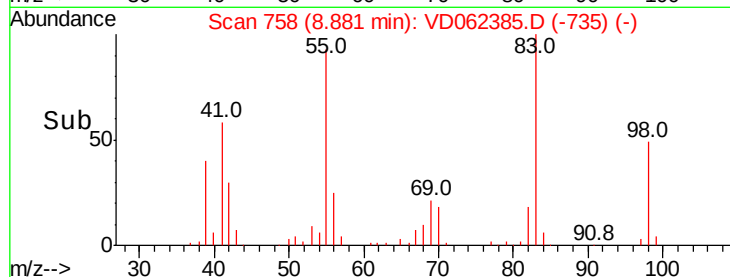
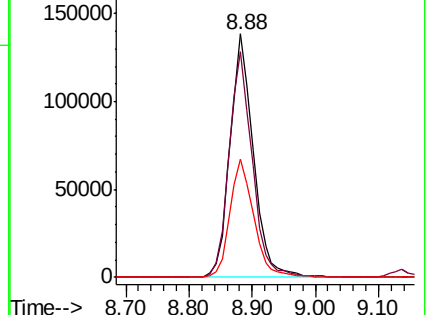
98 48.6 38.2 57.4



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 47.591 ug/l

RT: 7.47 min Scan# 615

Delta R.T. 0.04 min

Lab File: VD062385.D

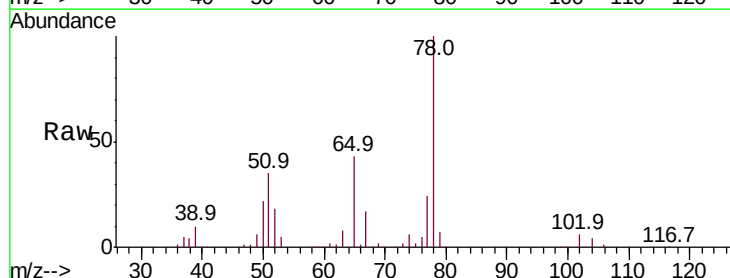
Acq: 15 May 2019 13:41

Tgt Ion: 78 Resp: 877680

Ion Ratio Lower Upper

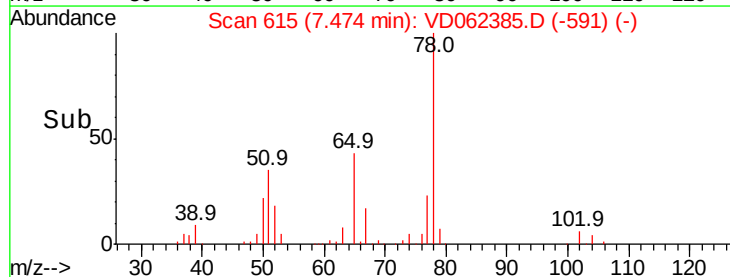
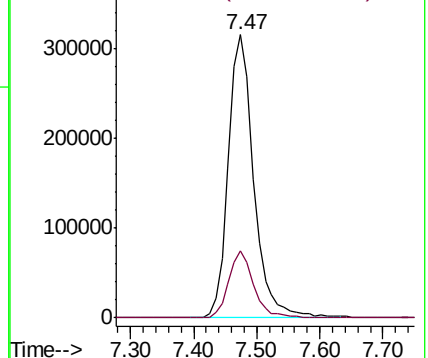
78 100

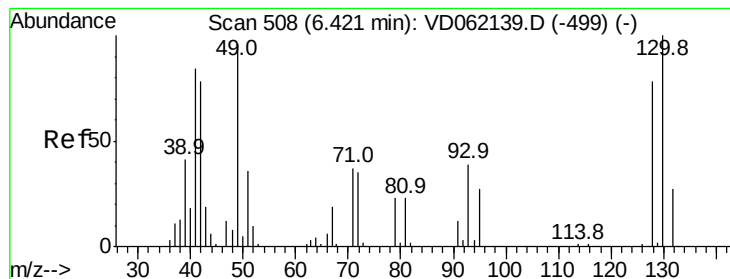
77 23.8 19.7 29.5



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 49.240 ug/l

RT: 6.47 min Scan# 513

Delta R.T. 0.05 min

Lab File: VD062385.D

Acq: 15 May 2019 13:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 208410

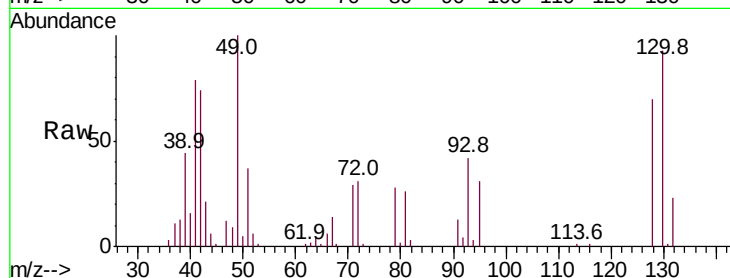
Ion Ratio Lower Upper

41 100

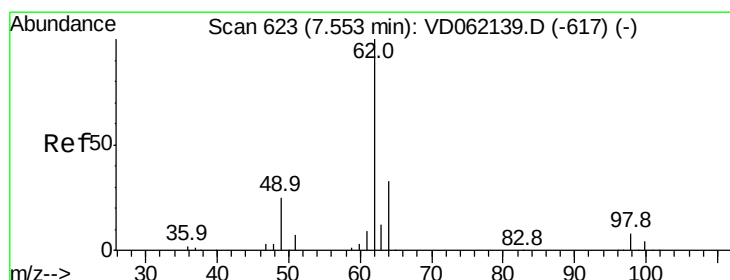
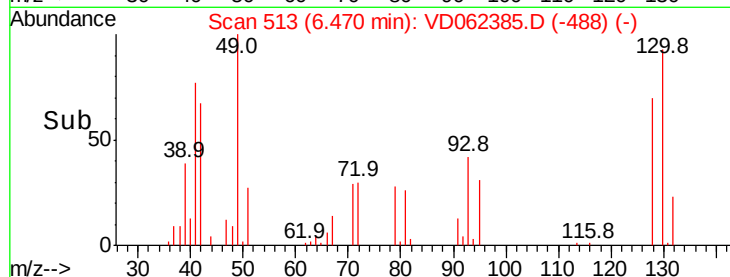
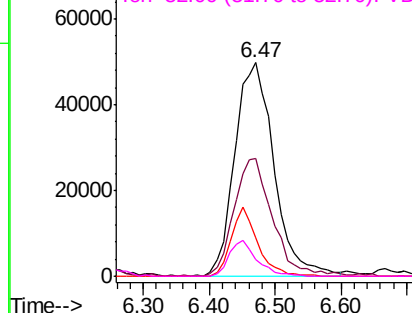
39 55.2 34.1 51.1#

67 18.1 23.8 35.6#

52 7.8 8.8 13.2#



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 55.826 ug/l

RT: 7.60 min Scan# 628

Delta R.T. 0.05 min

Lab File: VD062385.D

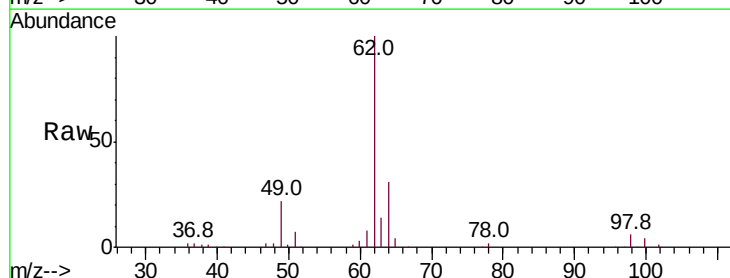
Acq: 15 May 2019 13:41

Tgt Ion: 62 Resp: 436203

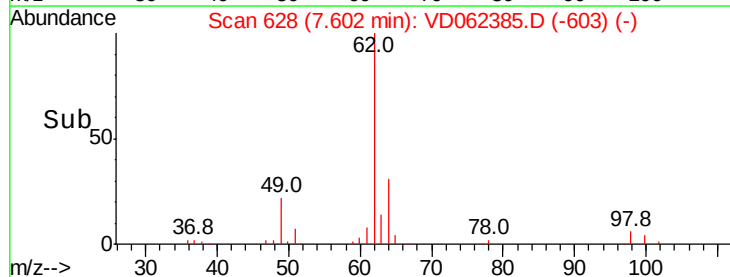
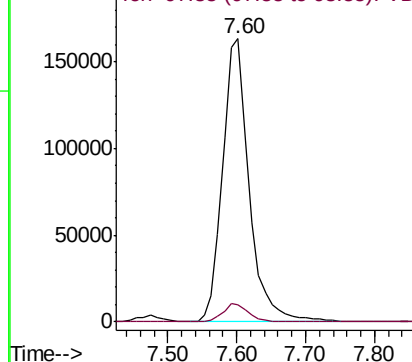
Ion Ratio Lower Upper

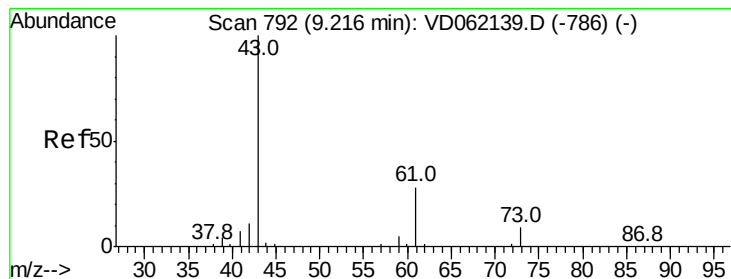
62 100

98 5.9 0.0 17.8



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 45.680 ug/l

RT: 9.26 min Scan# 796

Delta R.T. 0.04 min

Lab File: VD062385.D

Acq: 15 May 2019 13:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

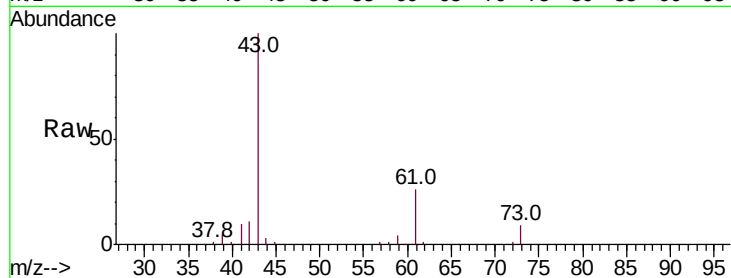
Tot Ion: 43 Resp: 224382

Ion Ratio Lower Upper

43 100

61 26.4 25.1 37.7

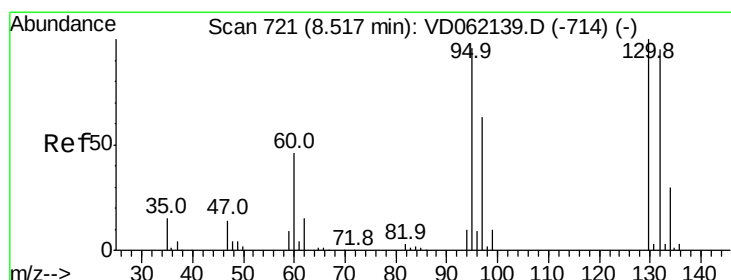
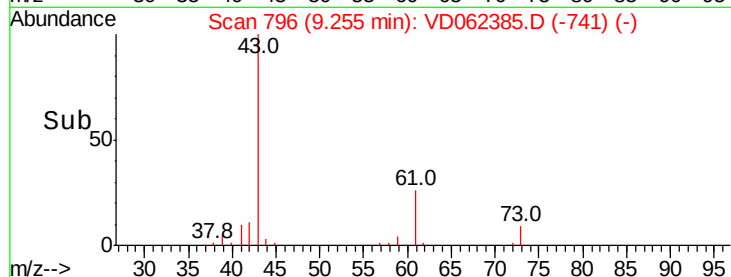
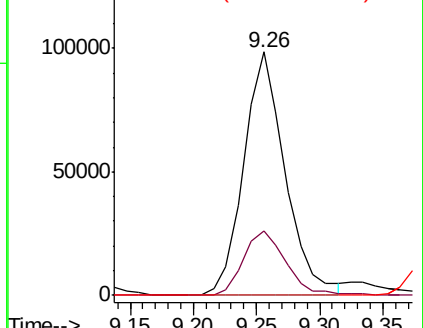
87 0.0 0.0 0.0



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: 48.836 ug/l

RT: 8.56 min Scan# 725

Delta R.T. 0.04 min

Lab File: VD062385.D

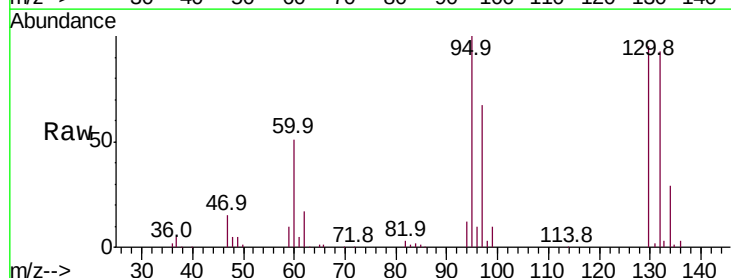
Acq: 15 May 2019 13:41

Tgt Ion:130 Resp: 343194

Ion Ratio Lower Upper

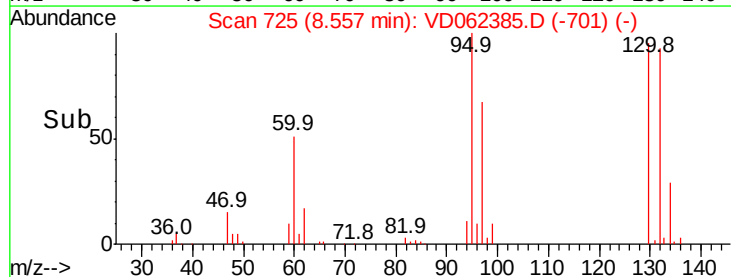
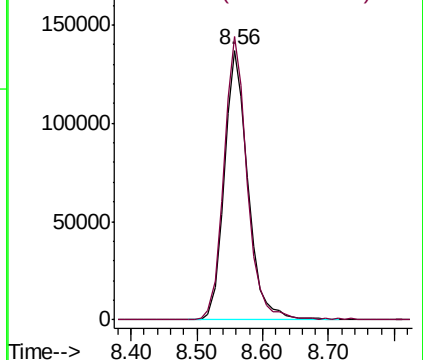
130 100

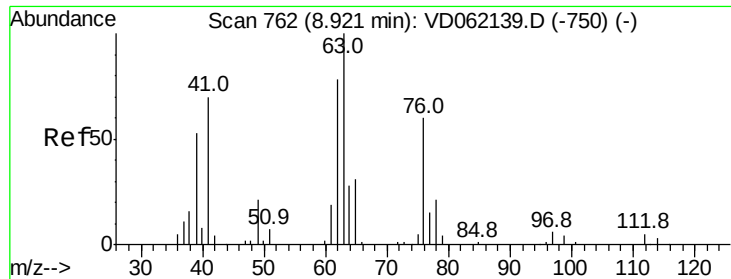
95 105.1 0.0 174.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

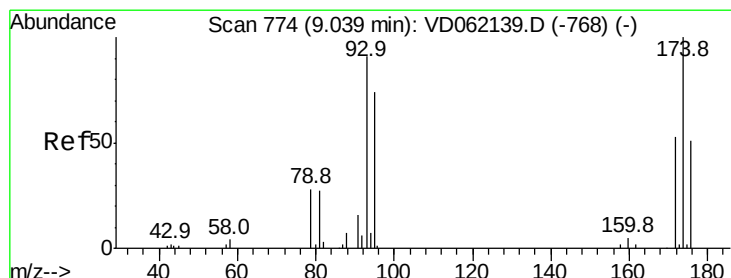
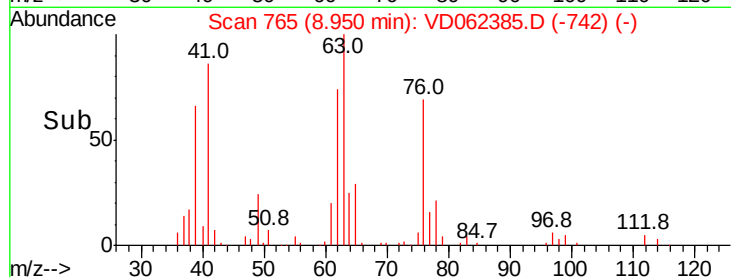
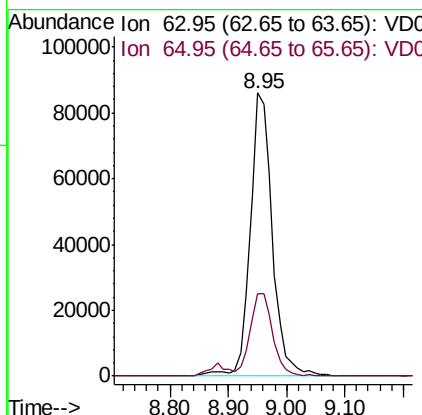
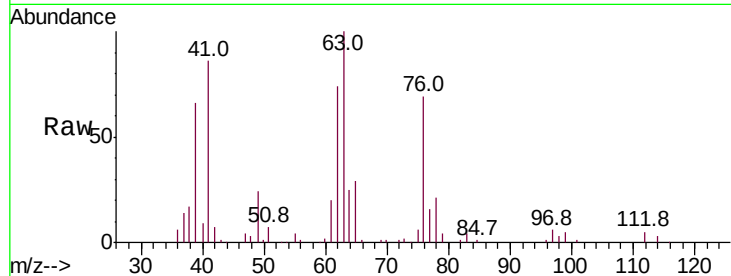




#45
1,2-Dichloropropane
Concen: 50.330 ug/l
RT: 8.95 min Scan# 765
Delta R.T. 0.03 min
Lab File: VD062385.D
Acq: 15 May 2019 13:41

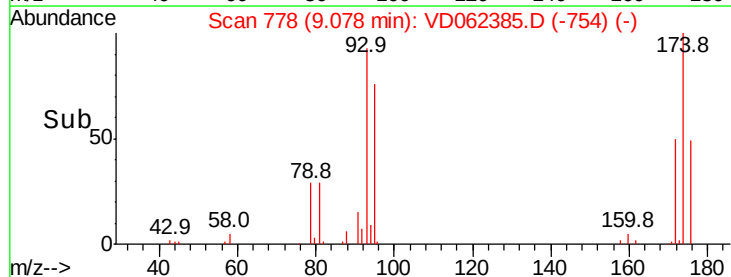
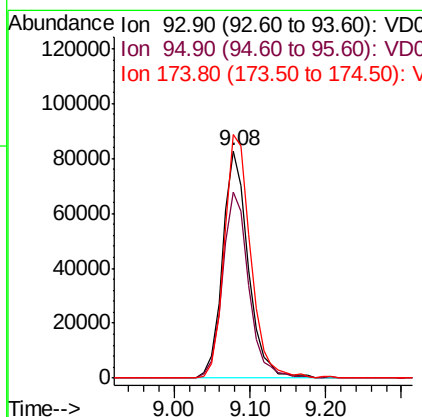
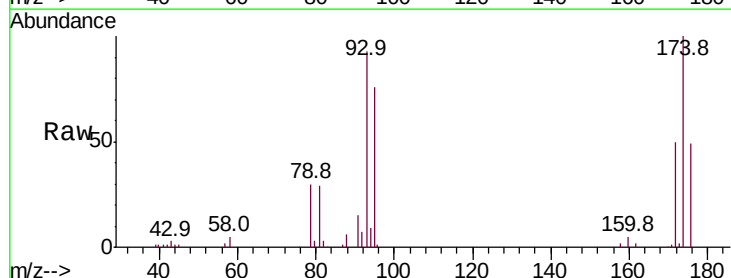
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

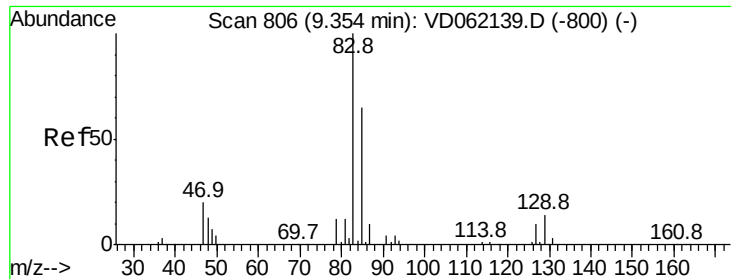
Tot Ion: 63 Resp: 229588
Ion Ratio Lower Upper
63 100
65 29.2 23.8 35.6



#46
Dibromomethane
Concen: 52.250 ug/l
RT: 9.08 min Scan# 778
Delta R.T. 0.04 min
Lab File: VD062385.D
Acq: 15 May 2019 13:41

Tgt Ion: 93 Resp: 193819
Ion Ratio Lower Upper
93 100
95 81.8 64.8 97.2
174 107.0 79.3 118.9





#47

Bromodichloromethane

Concen: 54.864 ug/l

RT: 9.39 min Scan# 810

Delta R.T. 0.04 min

Lab File: VD062385.D

Acq: 15 May 2019 13:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

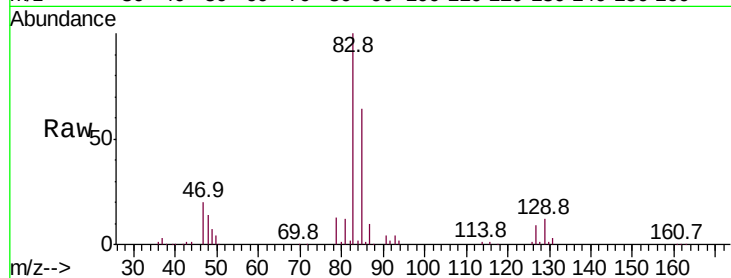
Tot Ion: 83 Resp: 497810

Ion Ratio Lower Upper

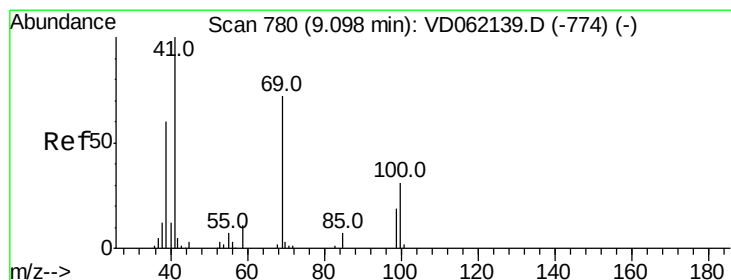
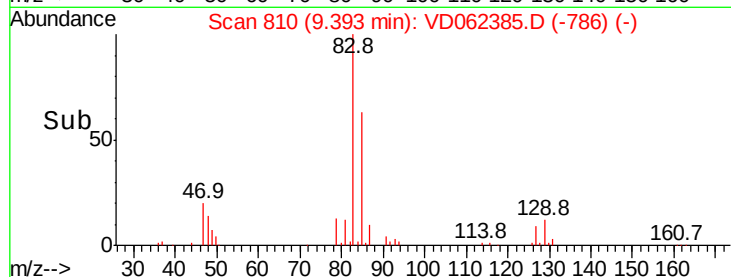
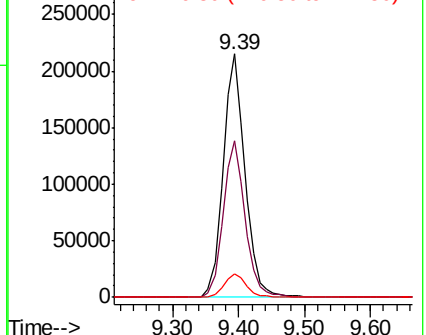
83 100

85 64.3 50.9 76.3

127 9.4 8.1 12.1



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



#48

Methyl methacrylate

Concen: 50.690 ug/l

RT: 9.14 min Scan# 784

Delta R.T. 0.04 min

Lab File: VD062385.D

Acq: 15 May 2019 13:41

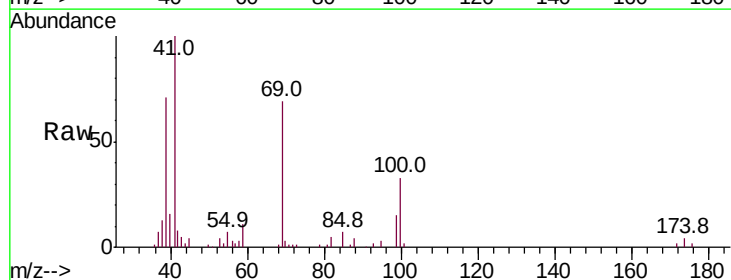
Tgt Ion: 41 Resp: 153367

Ion Ratio Lower Upper

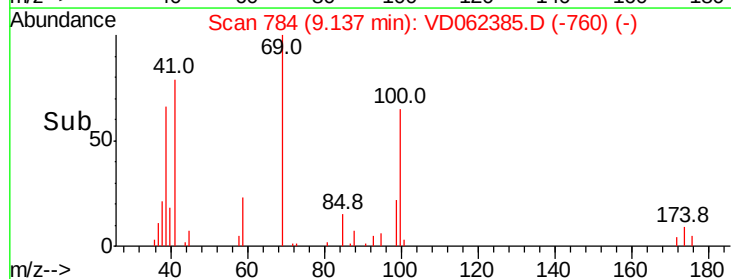
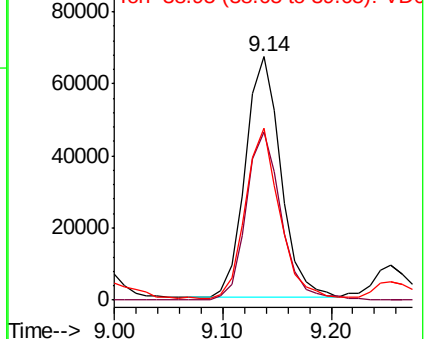
41 100

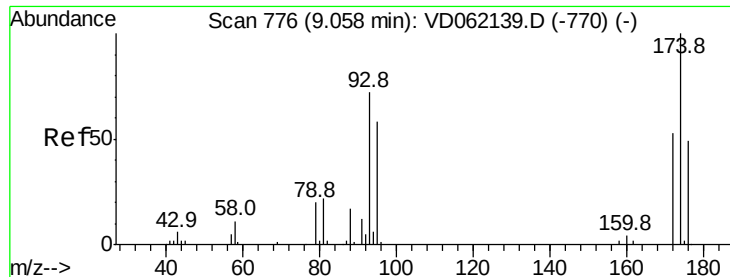
69 68.9 64.2 96.2

39 70.9 46.8 70.2#



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC





#49

1,4-Dioxane

Concen: 909.883 ug/l

RT: 9.10 min Scan# 780

Delta R.T. 0.04 min

Lab File: VD062385.D

Acq: 15 May 2019 13:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

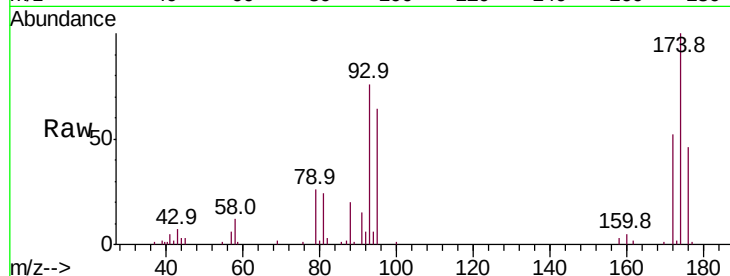
Tot Ion: 88 Resp: 29703

Ion Ratio Lower Upper

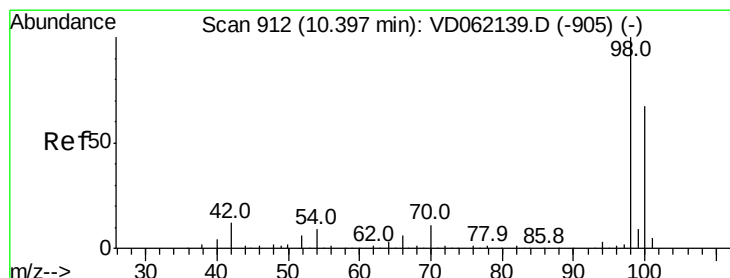
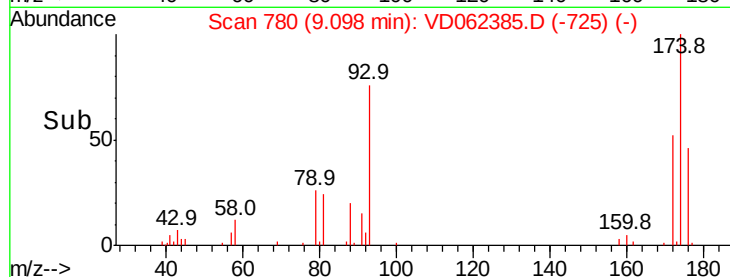
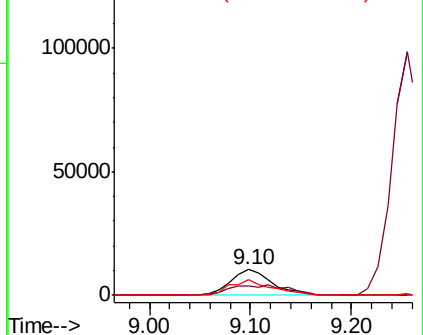
88 100

43 36.6 23.4 35.0#

58 59.4 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: 45.208 ug/l

RT: 10.43 min Scan# 915

Delta R.T. 0.03 min

Lab File: VD062385.D

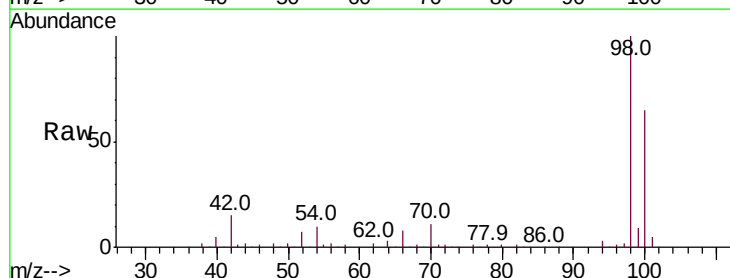
Acq: 15 May 2019 13:41

Tgt Ion: 98 Resp: 900849

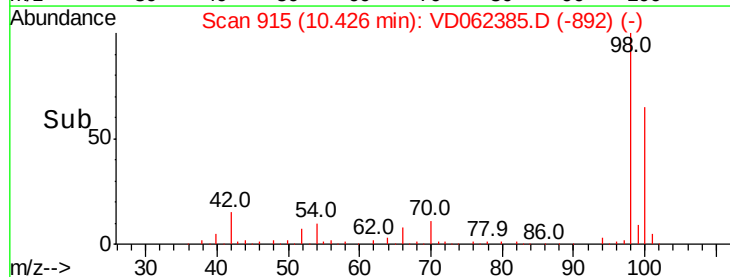
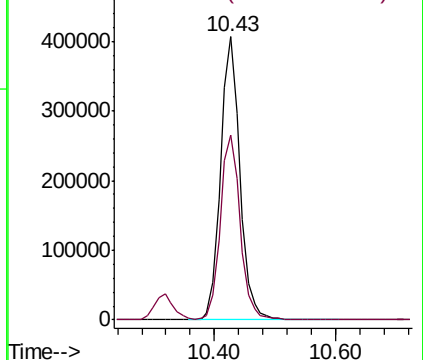
Ion Ratio Lower Upper

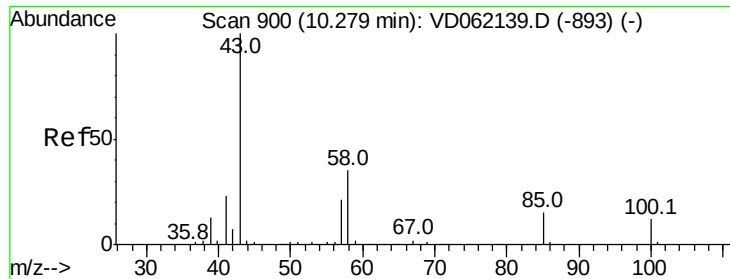
98 100

100 65.2 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: 242.487 ug/l

RT: 10.32 min Scan# 904

Delta R.T. 0.04 min

Lab File: VD062385.D

Acq: 15 May 2019 13:41

Instrument :

MSVOA_D

ClientSampleId :

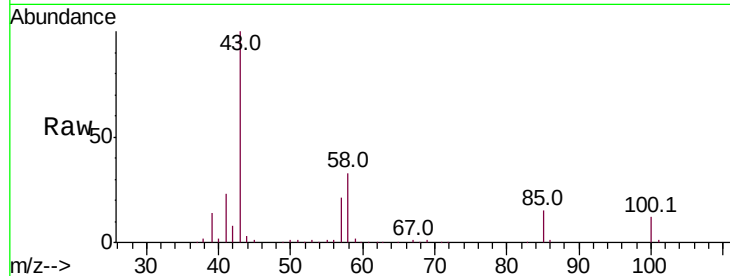
VSTDCCC050

Tot Ion: 43 Resp: 765650

Ion Ratio Lower Upper

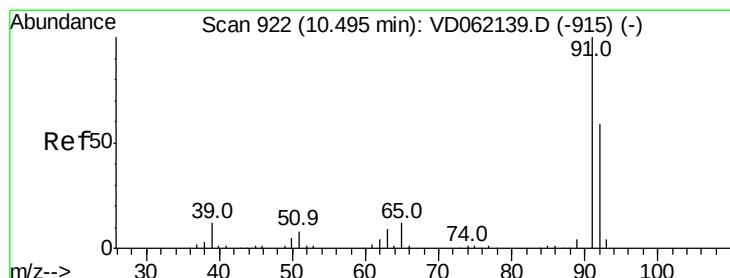
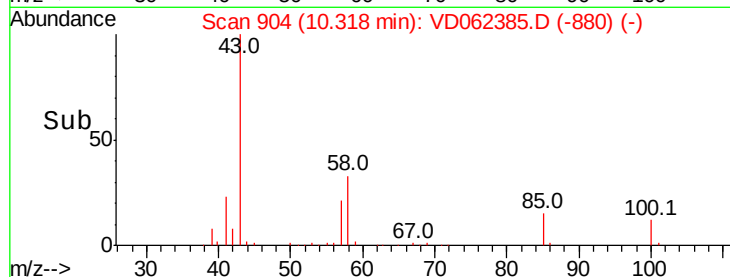
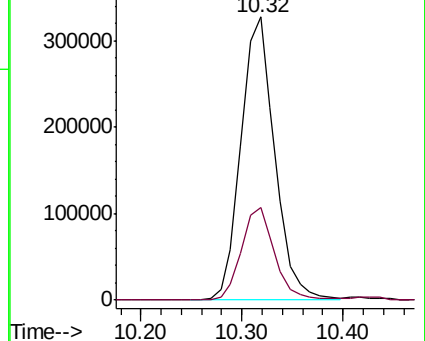
43 100

58 32.9 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: 47.967 ug/l

RT: 10.52 min Scan# 925

Delta R.T. 0.03 min

Lab File: VD062385.D

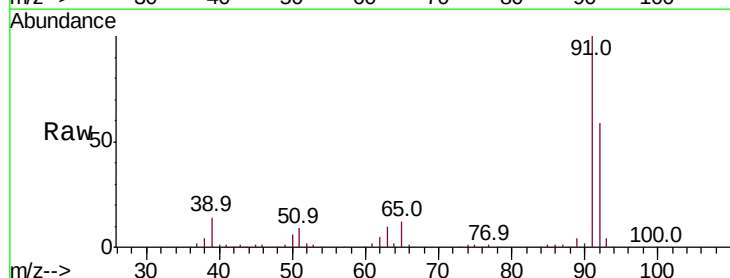
Acq: 15 May 2019 13:41

Tgt Ion: 92 Resp: 575565

Ion Ratio Lower Upper

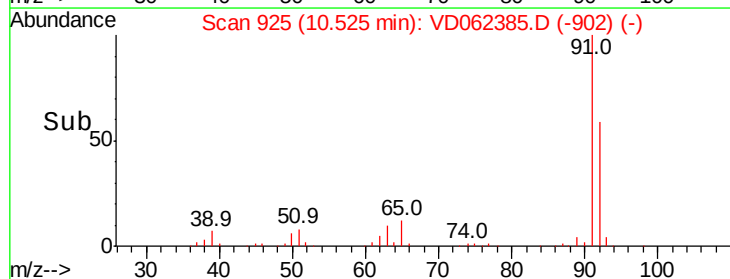
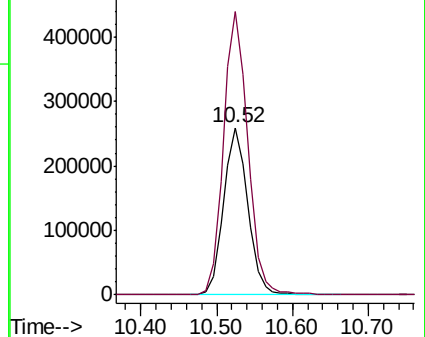
92 100

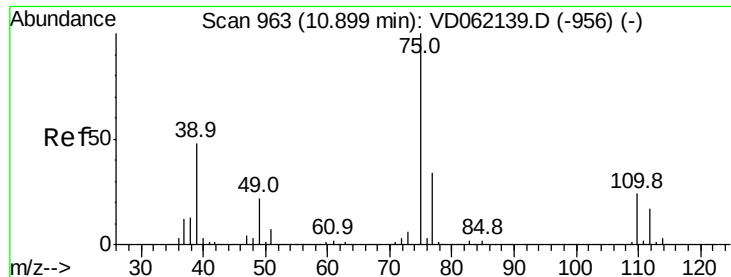
91 169.6 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

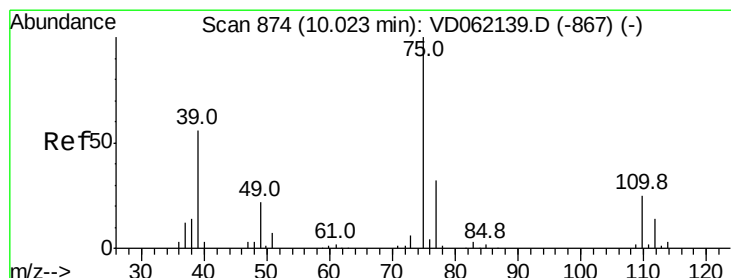
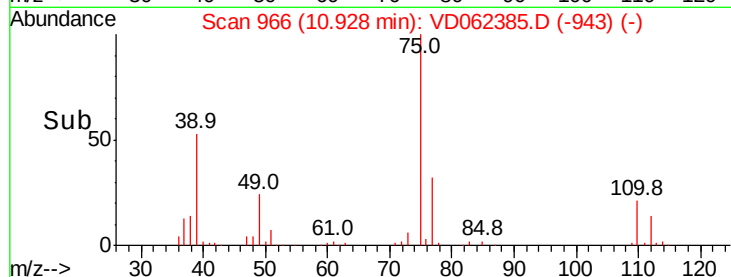
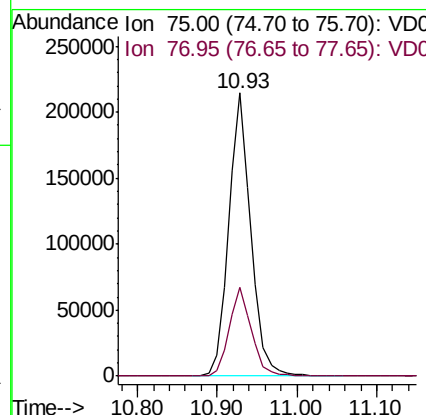
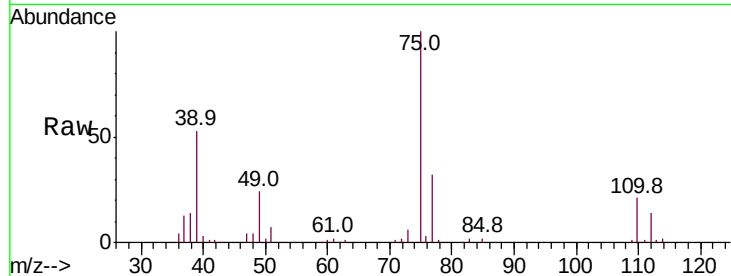




#53
 t-1,3-Dichloropropene
 Concen: 53.337 ug/l
 RT: 10.93 min Scan# 966
 Delta R.T. 0.03 min
 Lab File: VD062385.D
 Acq: 15 May 2019 13:41

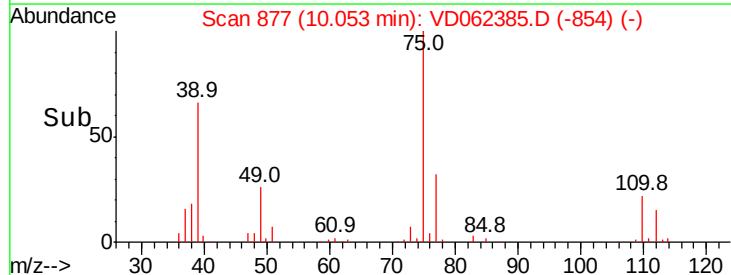
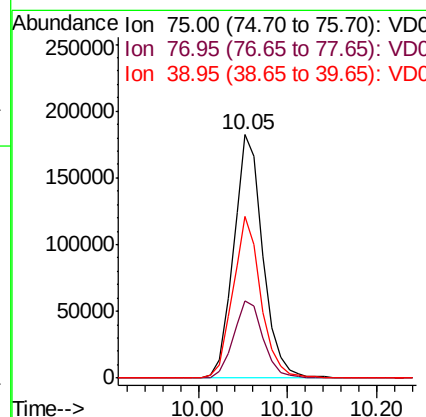
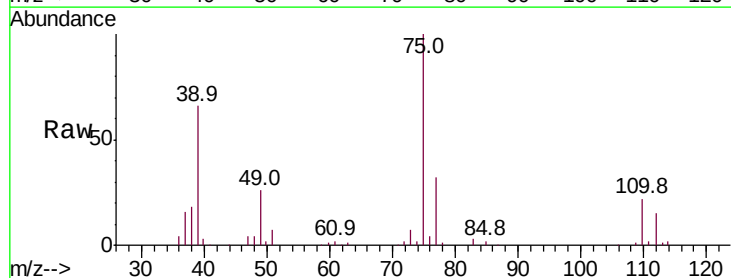
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

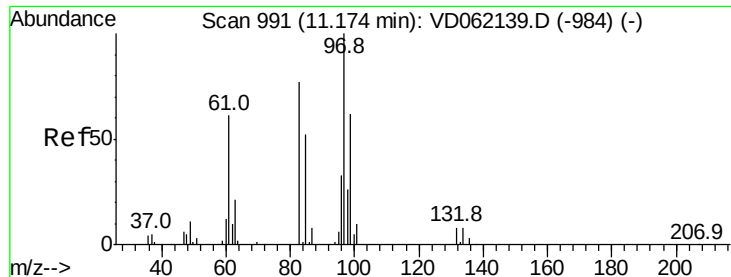
Tot Ion: 75 Resp: 418271
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 48.886 ug/l
 RT: 10.05 min Scan# 877
 Delta R.T. 0.03 min
 Lab File: VD062385.D
 Acq: 15 May 2019 13:41

Tgt Ion: 75 Resp: 418226
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.5 38.3
 39 66.5 39.4 59.2#

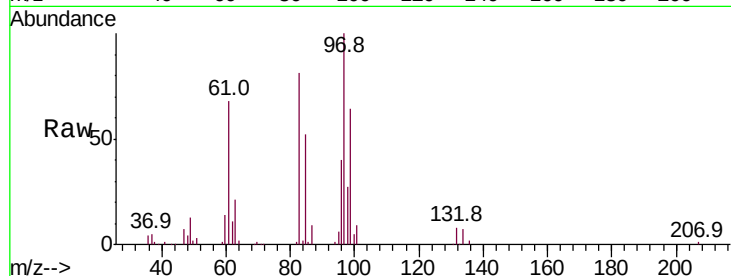




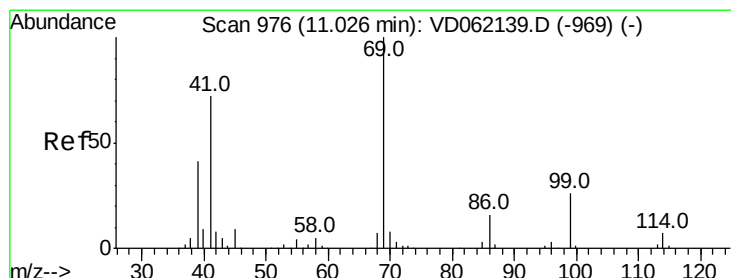
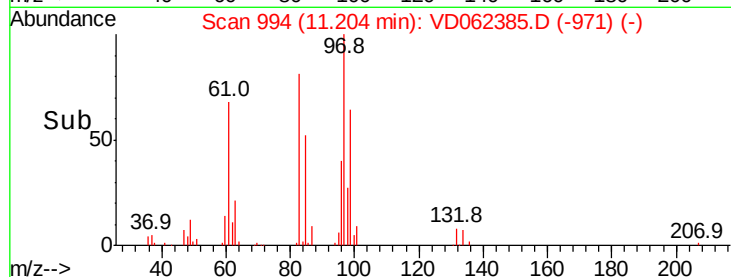
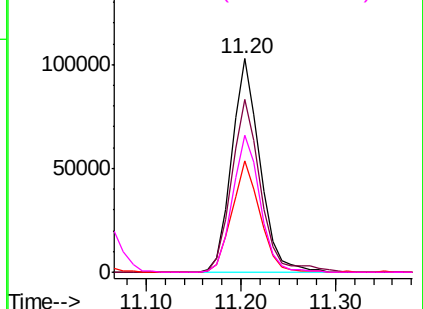
#55
 1,1,2-Trichloroethane
 Concen: 49.950 ug/l
 RT: 11.20 min Scan# 994
 Delta R.T. 0.03 min
 Lab File: VD062385.D
 Acq: 15 May 2019 13:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	212066
Ion	Ratio	Lower	Upper
97	100		
83	81.2	65.7	98.5
85	53.2	45.6	68.4
99	64.4	48.4	72.6

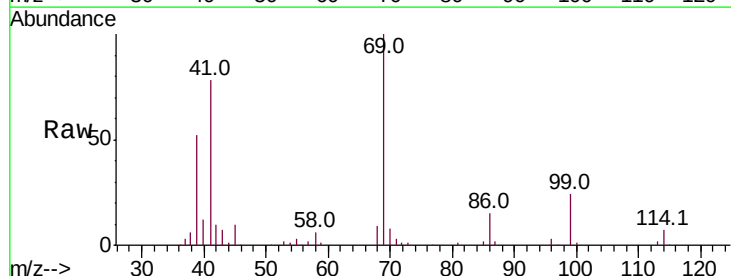


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

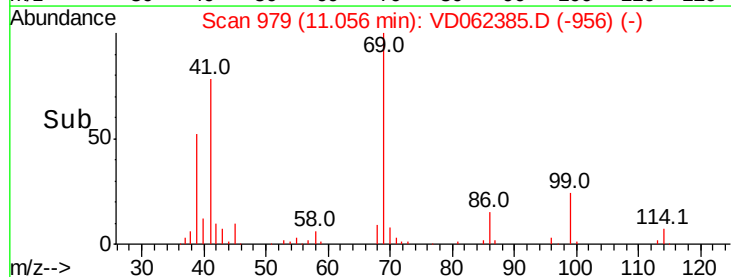
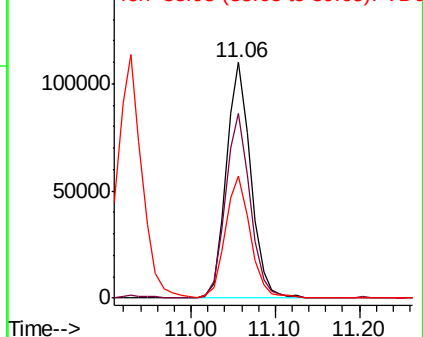


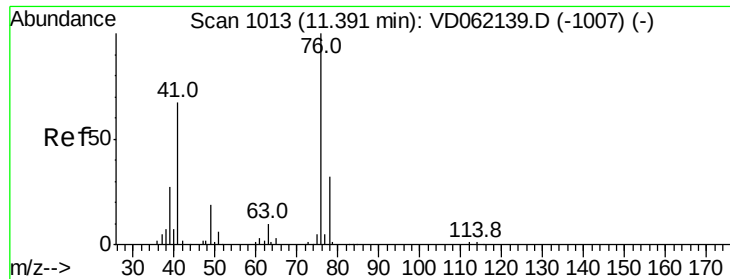
#56
 Ethyl methacrylate
 Concen: 50.055 ug/l
 RT: 11.06 min Scan# 979
 Delta R.T. 0.03 min
 Lab File: VD062385.D
 Acq: 15 May 2019 13:41

Tgt Ion:	69	Resp:	220832
Ion	Ratio	Lower	Upper
69	100		
41	78.3	56.3	84.5
39	51.6	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: 47.637 ug/l

RT: 11.42 min Scan# 1016

Delta R.T. 0.03 min

Lab File: VD062385.D

Acq: 15 May 2019 13:41

Instrument :

MSVOA_D

ClientSampleId :

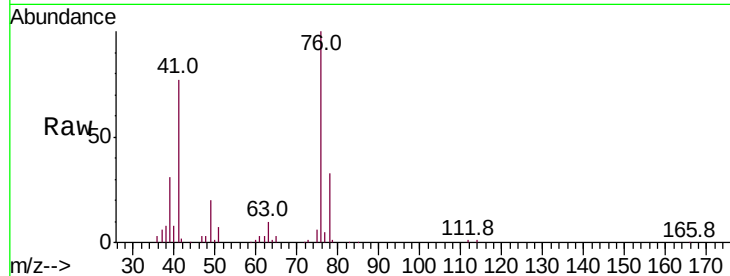
VSTDCCC050

Tot Ion: 76 Resp: 305546

Ion Ratio Lower Upper

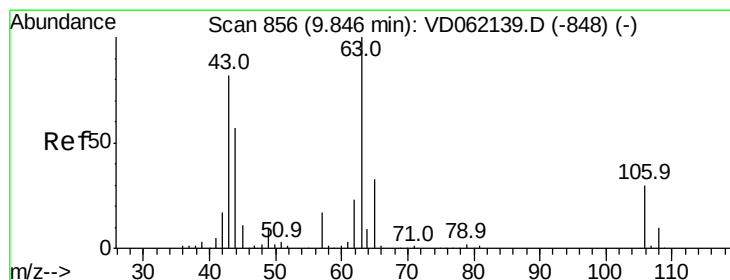
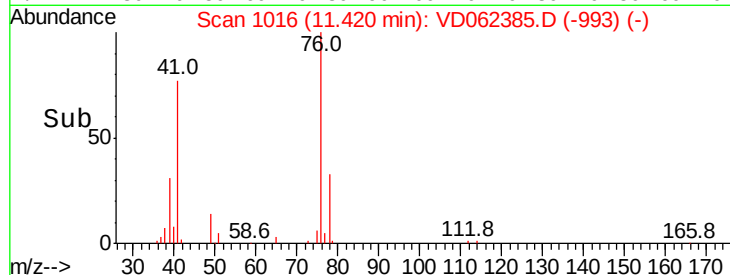
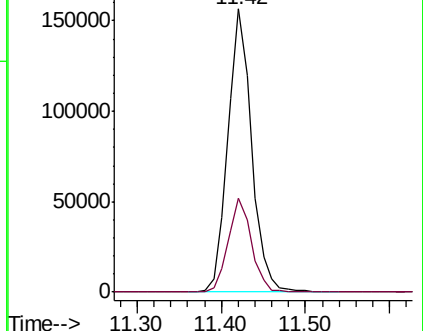
76 100

78 33.2 26.2 39.2



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 291.018 ug/l

RT: 9.88 min Scan# 859

Delta R.T. 0.03 min

Lab File: VD062385.D

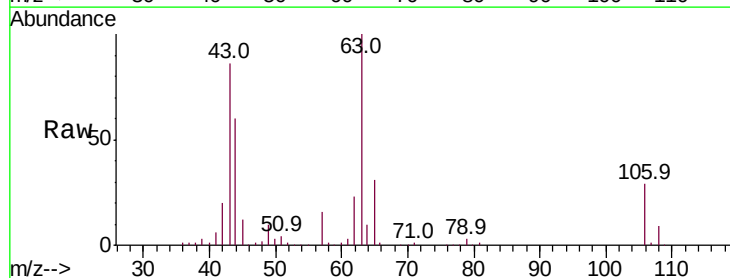
Acq: 15 May 2019 13:41

Tgt Ion: 63 Resp: 701315

Ion Ratio Lower Upper

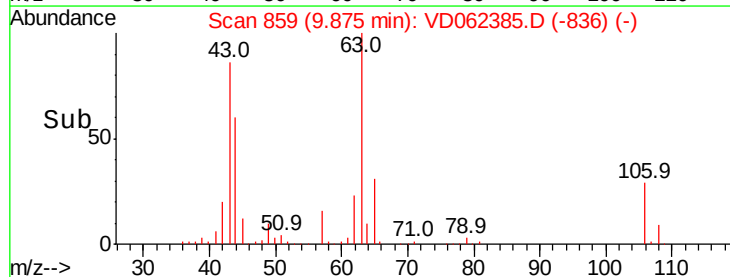
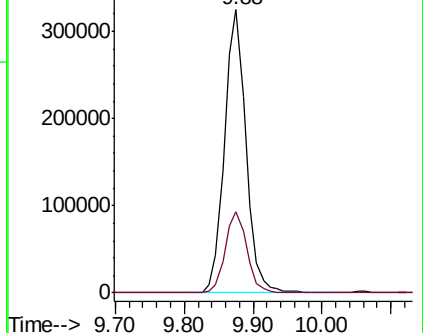
63 100

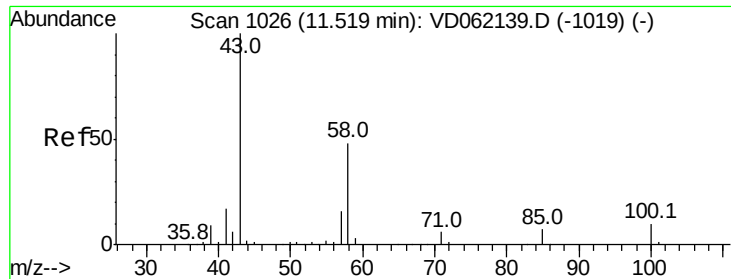
106 28.7 22.6 34.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

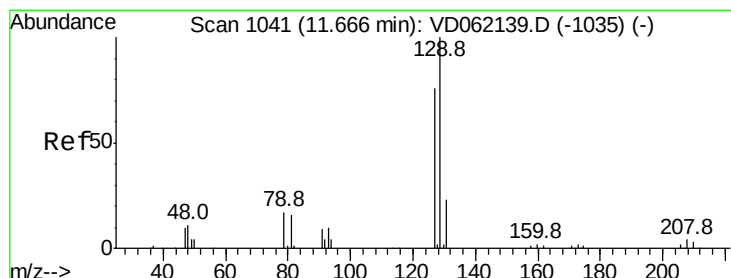
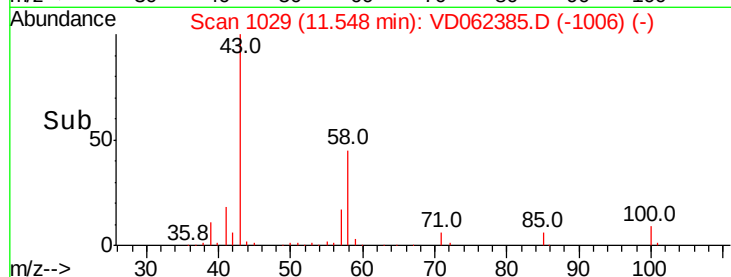
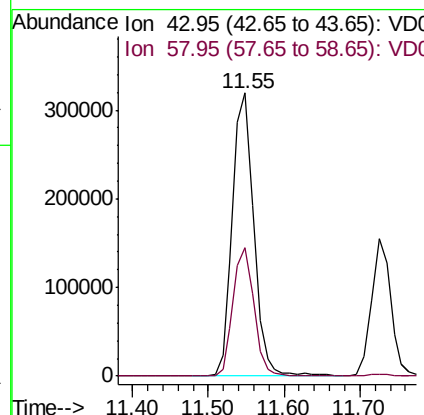
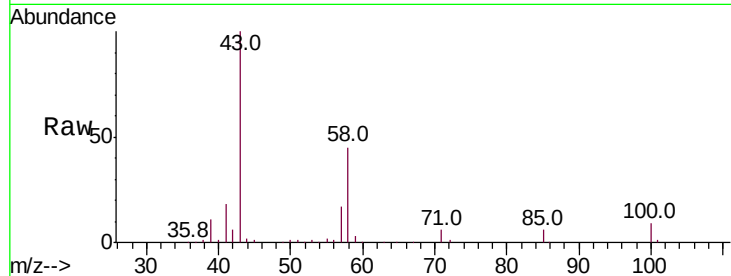




#59
2-Hexanone
Concen: 269.354 ug/l
RT: 11.55 min Scan# 1029
Delta R.T. 0.03 min
Lab File: VD062385.D
Acq: 15 May 2019 13:41

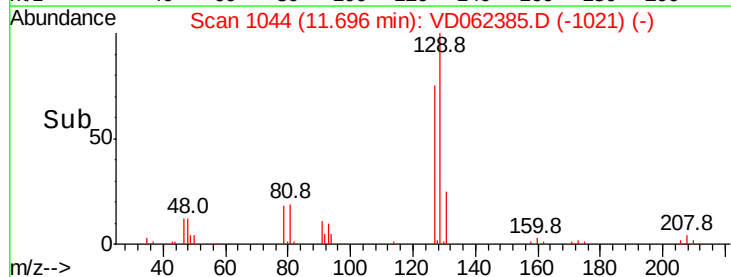
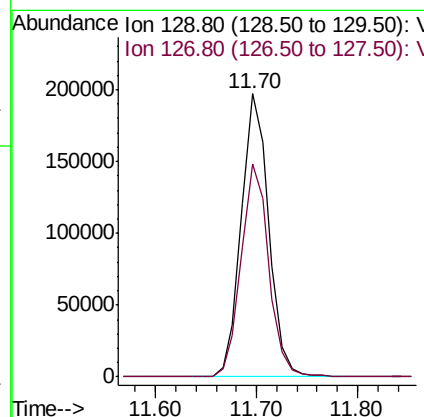
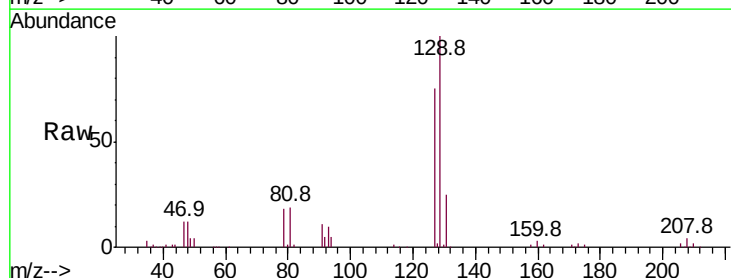
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

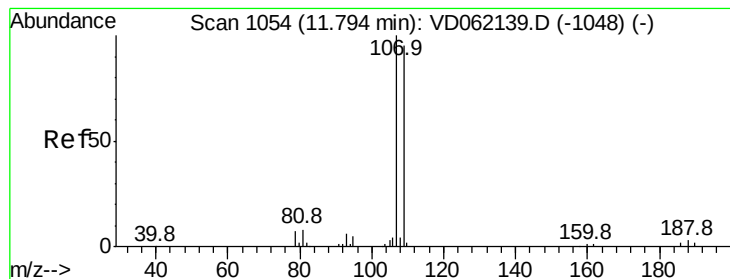
Tot Ion: 43 Resp: 626839
Ion Ratio Lower Upper
43 100
58 45.2 25.4 76.4



#60
Dibromochloromethane
Concen: 50.993 ug/l
RT: 11.70 min Scan# 1044
Delta R.T. 0.03 min
Lab File: VD062385.D
Acq: 15 May 2019 13:41

Tgt Ion: 129 Resp: 374148
Ion Ratio Lower Upper
129 100
127 75.5 38.0 113.9





#61

1,2-Dibromoethane

Concen: 48.558 ug/l

RT: 11.82 min Scan# 1057

Delta R.T. 0.03 min

Lab File: VD062385.D

Acq: 15 May 2019 13:41

Instrument :

MSVOA_D

ClientSampleId :

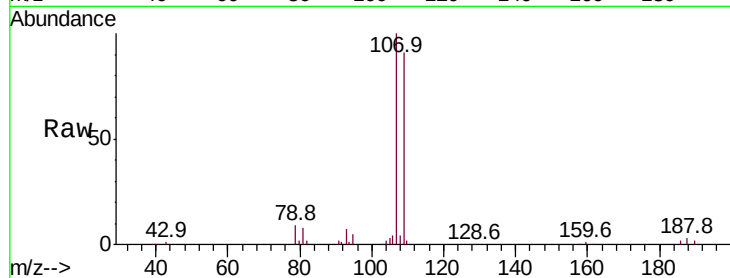
VSTDCCC050

Tot Ion:107 Resp: 250638

Ion Ratio Lower Upper

107 100

109 90.9 78.3 117.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

11.82

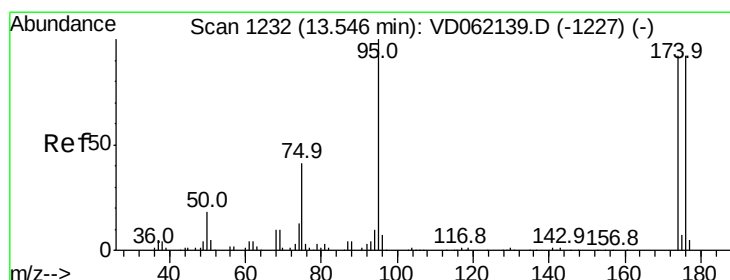
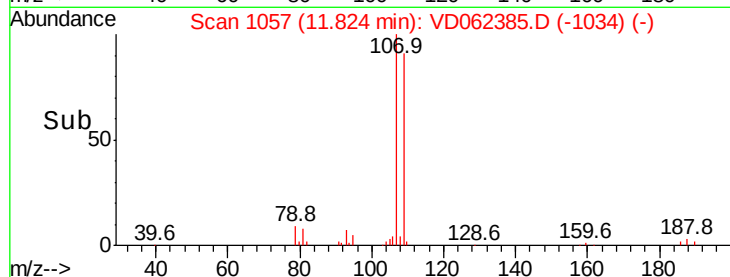
150000

100000

50000

0

Time--> 11.70 11.80 11.90 12.00



#62

4-Bromofluorobenzene

Concen: 49.283 ug/l

RT: 13.57 min Scan# 1234

Delta R.T. 0.02 min

Lab File: VD062385.D

Acq: 15 May 2019 13:41

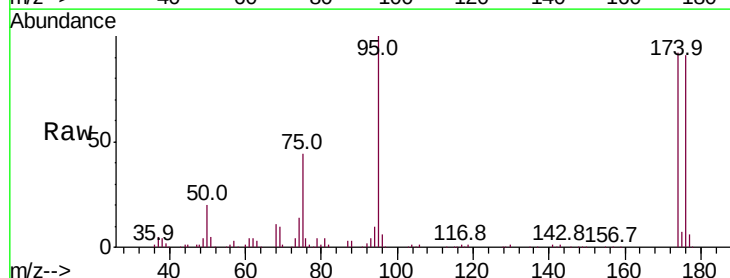
Tgt Ion: 95 Resp: 394357

Ion Ratio Lower Upper

95 100

174 91.9 0.0 181.8

176 91.2 0.0 174.4



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

400000

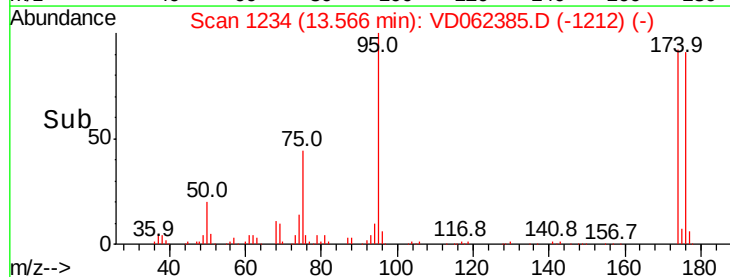
300000

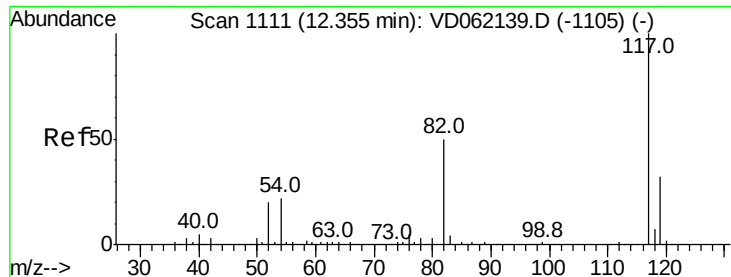
200000

100000

0

Time--> 13.50 13.60

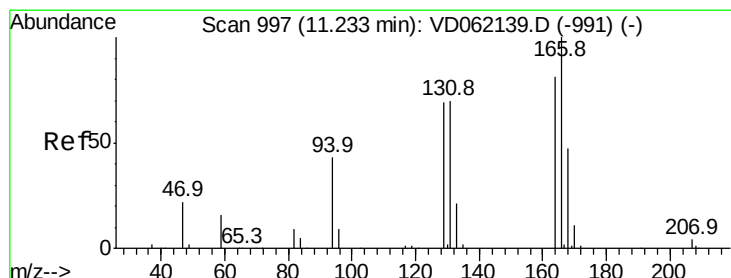
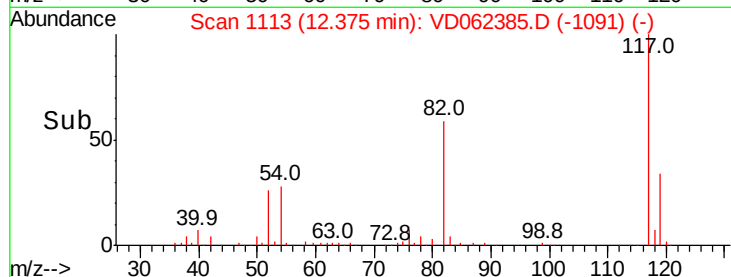
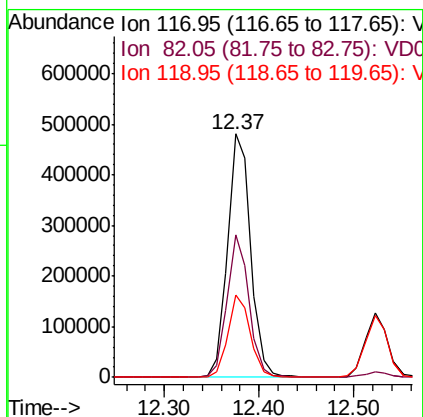
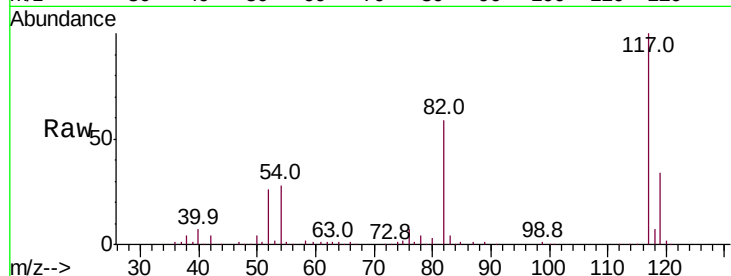




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD062385.D
Acq: 15 May 2019 13:41

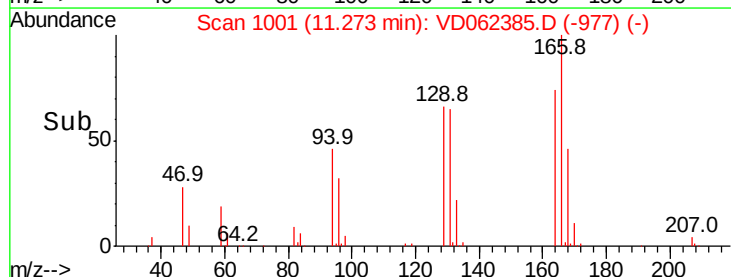
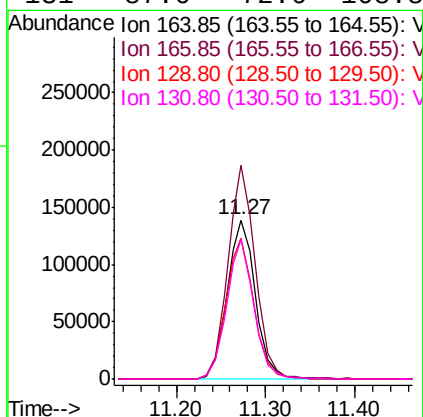
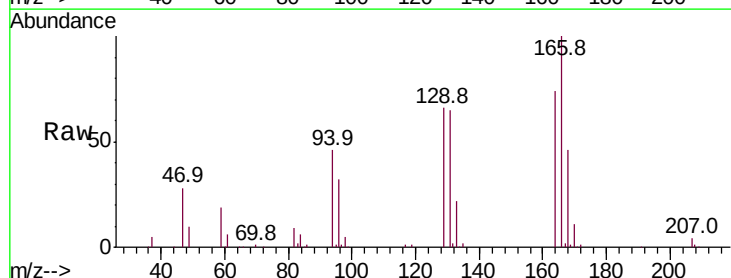
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

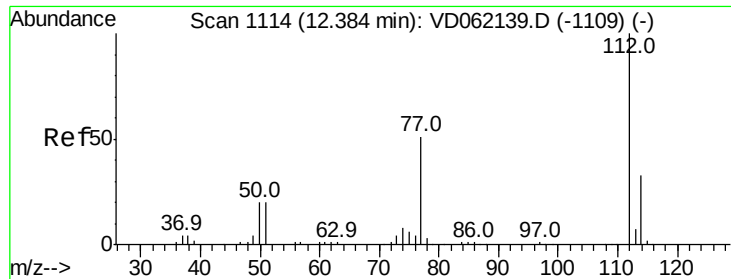
Tot Ion:117 Resp: 809626
Ion Ratio Lower Upper
117 100
82 58.5 36.2 54.2#
119 33.8 26.2 39.4



#64
Tetrachloroethene
Concen: 48.606 ug/l
RT: 11.27 min Scan# 1001
Delta R.T. 0.04 min
Lab File: VD062385.D
Acq: 15 May 2019 13:41

Tgt Ion:164 Resp: 307725
Ion Ratio Lower Upper
164 100
166 134.6 101.5 152.3
129 89.0 74.6 112.0
131 87.6 72.6 108.8

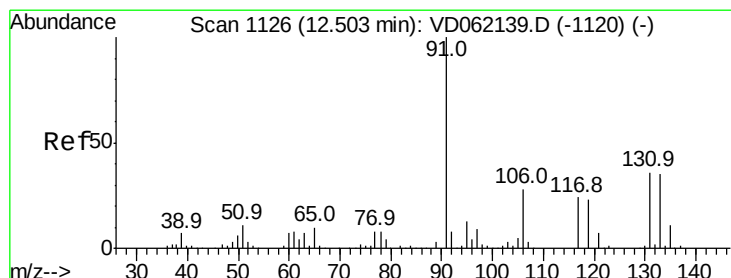
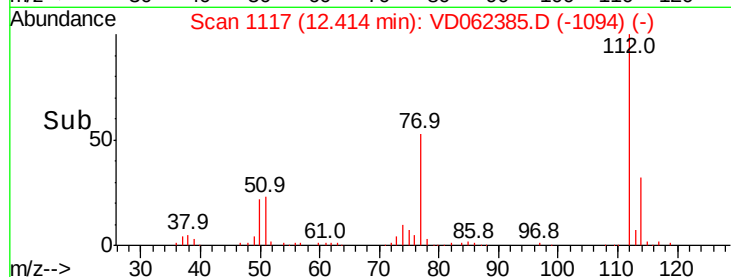
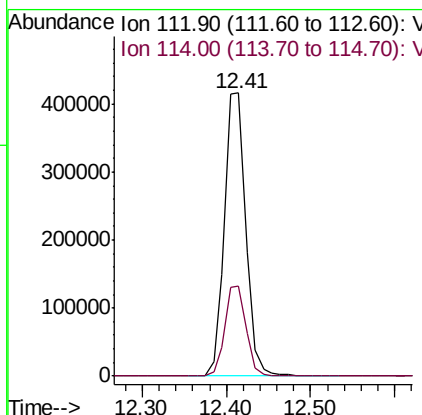
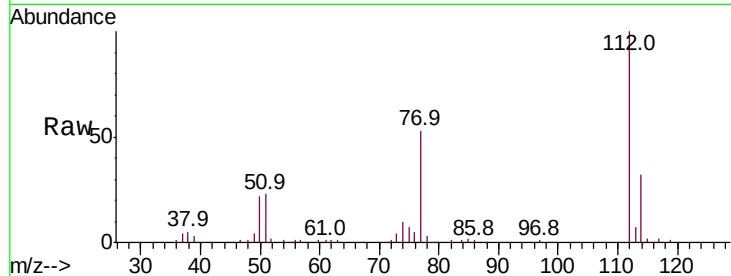




#65
Chlorobenzene
Concen: 48.662 ug/l
RT: 12.41 min Scan# 1117
Delta R.T. 0.03 min
Lab File: VD062385.D
Acq: 15 May 2019 13:41

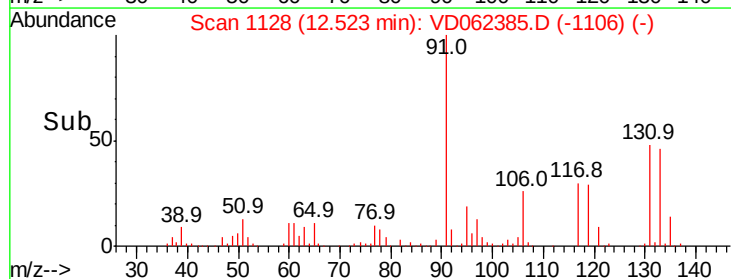
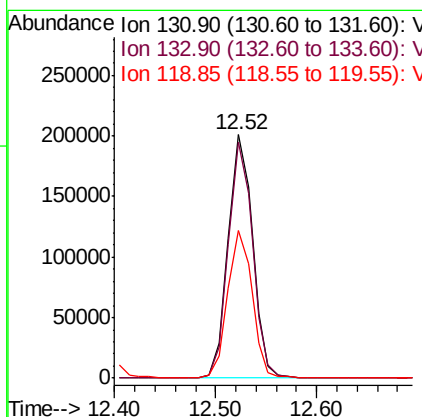
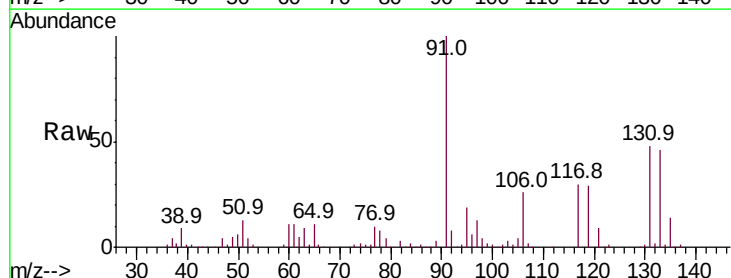
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

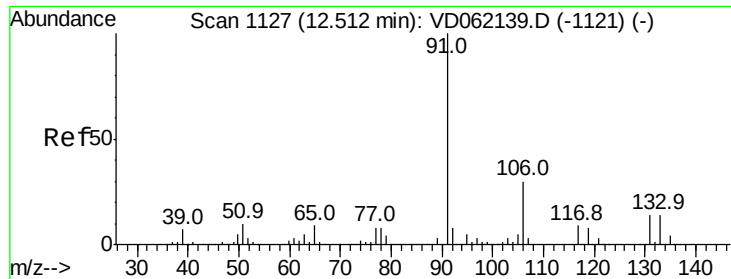
Tot Ion:112 Resp: 733804
Ion Ratio Lower Upper
112 100
114 31.9 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 51.664 ug/l
RT: 12.52 min Scan# 1128
Delta R.T. 0.02 min
Lab File: VD062385.D
Acq: 15 May 2019 13:41

Tgt Ion:131 Resp: 339062
Ion Ratio Lower Upper
131 100
133 96.9 48.6 145.8
119 60.8 34.7 104.1

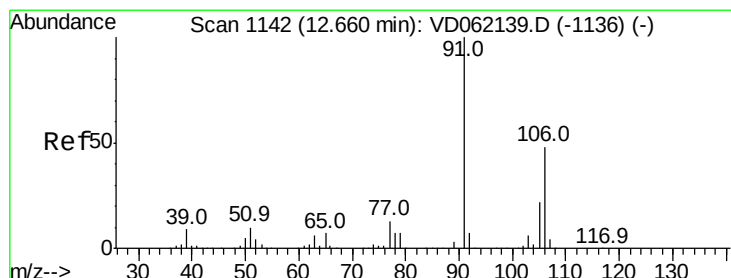
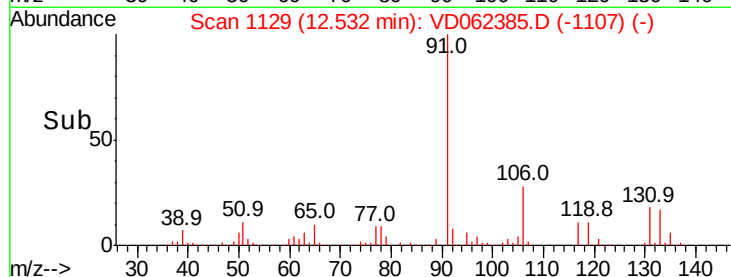
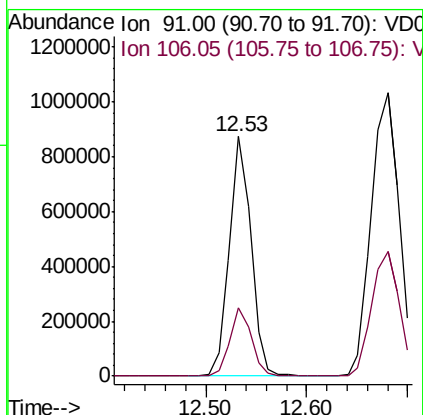
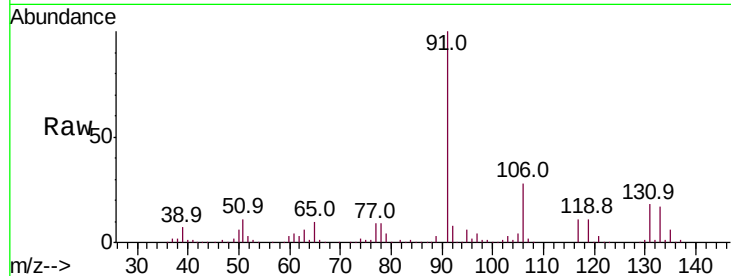




#67
Ethyl Benzene
Concen: 51.763 ug/l
RT: 12.53 min Scan# 1129
Delta R.T. 0.02 min
Lab File: VD062385.D
Acq: 15 May 2019 13:41

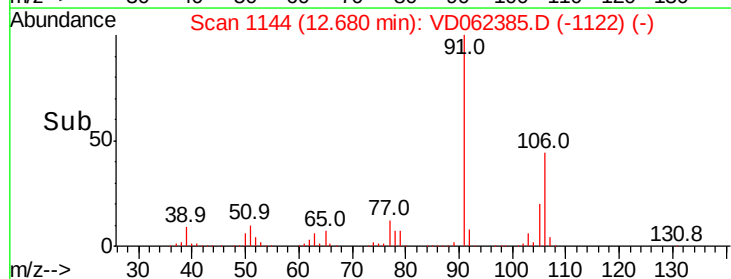
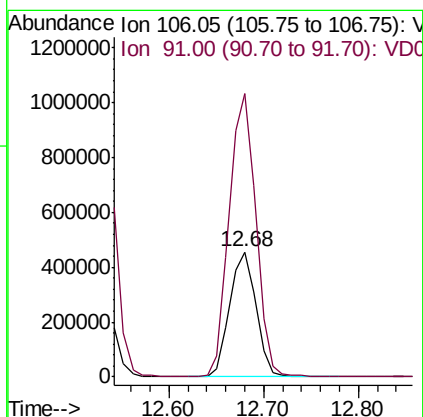
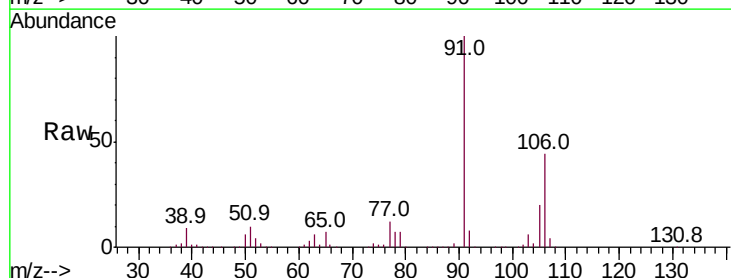
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

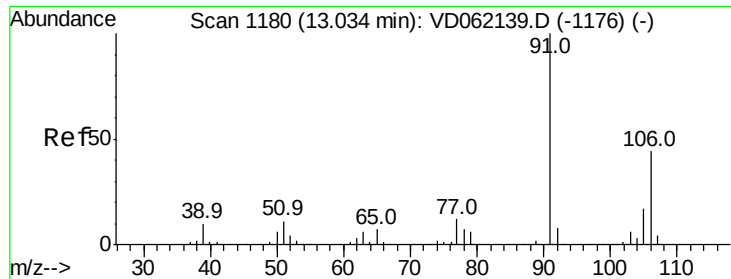
Tot Ion: 91 Resp: 1306774
Ion Ratio Lower Upper
91 100
106 28.5 24.7 37.1



#68
m/p-Xylenes
Concen: 95.757 ug/l
RT: 12.68 min Scan# 1144
Delta R.T. 0.02 min
Lab File: VD062385.D
Acq: 15 May 2019 13:41

Tgt Ion: 106 Resp: 879516
Ion Ratio Lower Upper
106 100
91 226.6 164.0 246.0

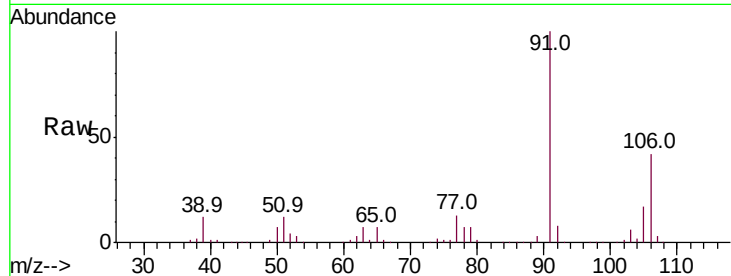




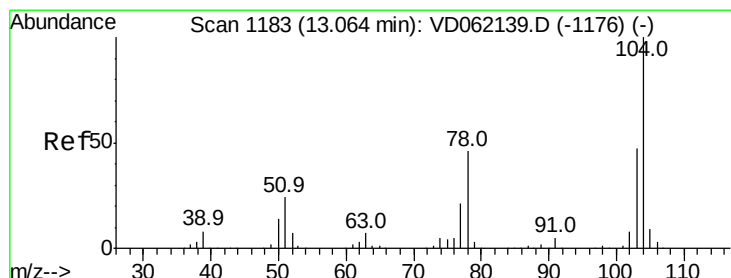
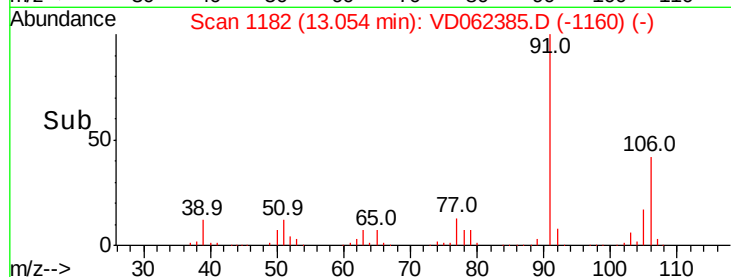
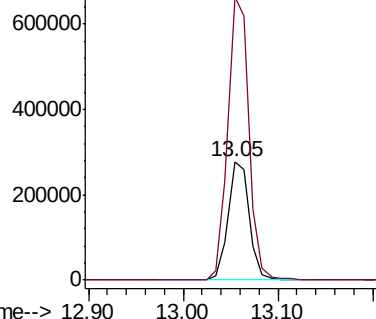
#69
o-Xylene
Concen: 50.897 ug/l
RT: 13.05 min Scan# 1182
Delta R.T. 0.02 min
Lab File: VD062385.D
Acq: 15 May 2019 13:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 434616
Ion Ratio Lower Upper
106 100
91 238.7 106.7 319.9

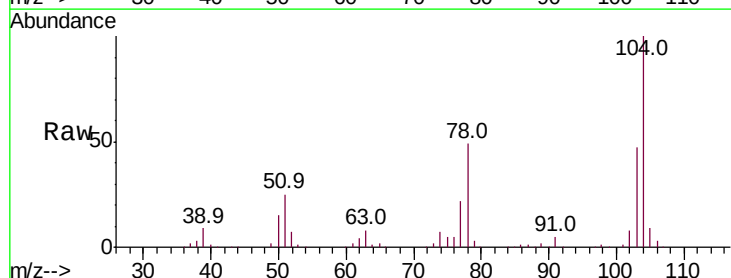


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

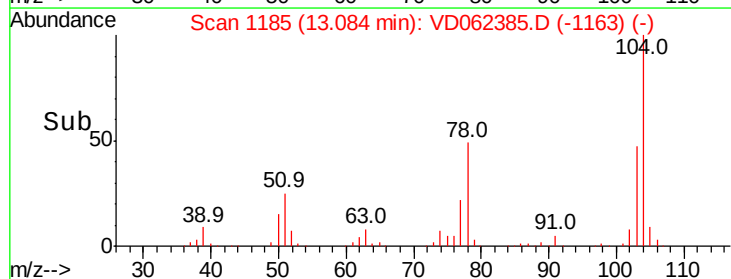
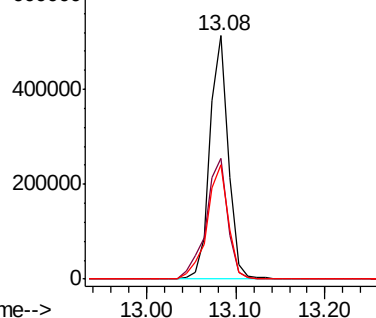


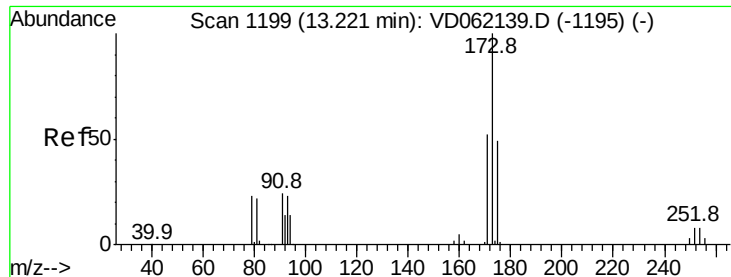
#70
Styrene
Concen: 51.353 ug/l
RT: 13.08 min Scan# 1185
Delta R.T. 0.02 min
Lab File: VD062385.D
Acq: 15 May 2019 13:41

Tgt Ion:104 Resp: 742833
Ion Ratio Lower Upper
104 100
78 49.4 35.4 53.2
103 46.7 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: 52.724 ug/l

RT: 13.24 min Scan# 1201

Delta R.T. 0.02 min

Lab File: VD062385.D

Acq: 15 May 2019 13:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

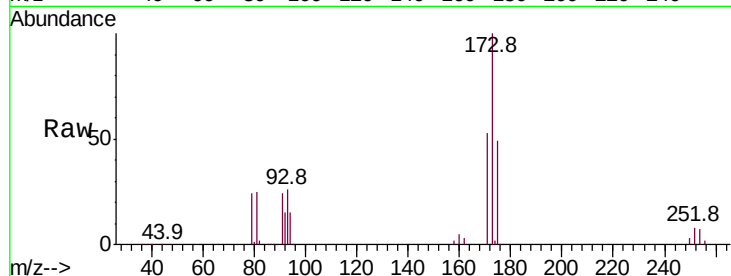
Tot Ion:173 Resp: 240736

Ion Ratio Lower Upper

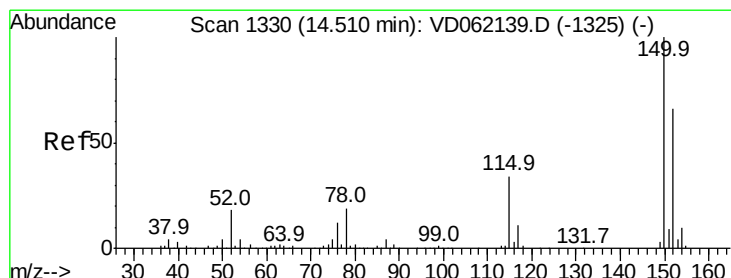
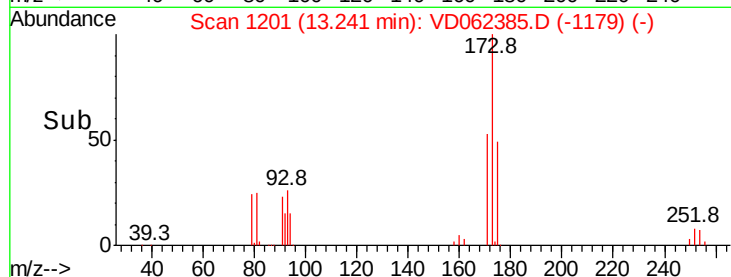
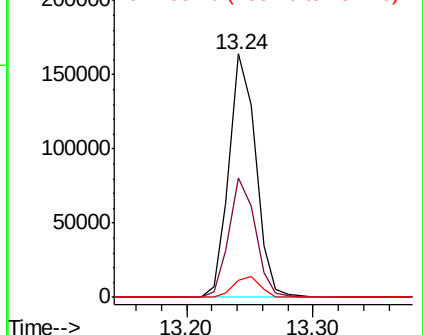
173 100

175 49.3 24.4 73.4

254 6.8 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: VD062385.D

Acq: 15 May 2019 13:41

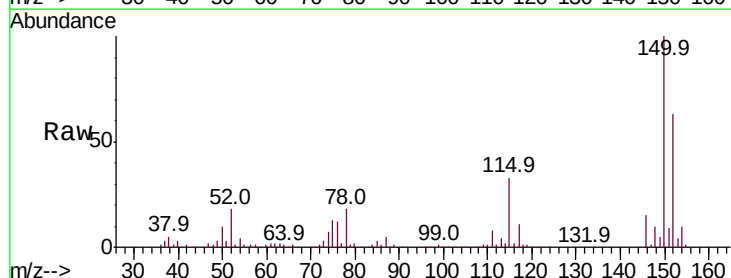
Tgt Ion:152 Resp: 426575

Ion Ratio Lower Upper

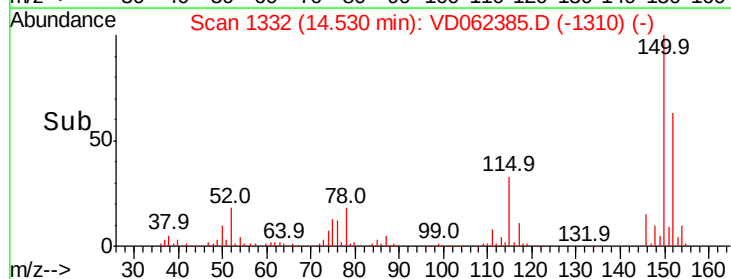
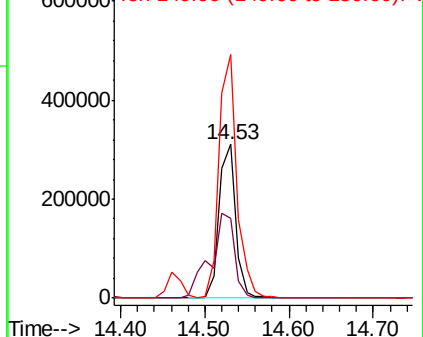
152 100

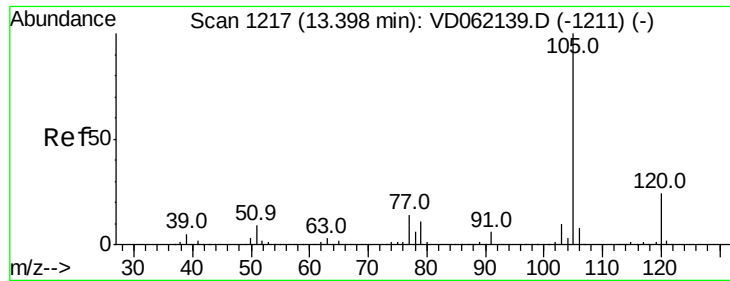
115 51.7 30.9 92.7

150 158.2 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: 48.510 ug/l

RT: 13.41 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VD062385.D

Acq: 15 May 2019 13:41

Instrument :

MSVOA_D

ClientSampleId :

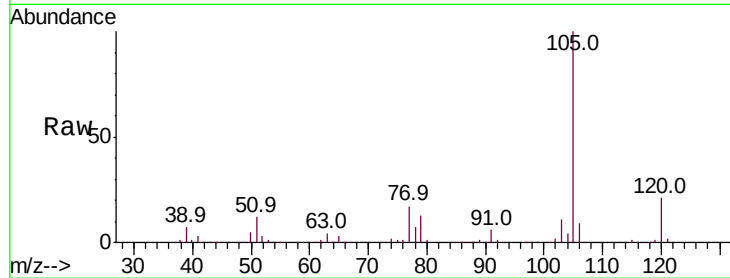
VSTDCCC050

Tot Ion:105 Resp: 1240417

Ion Ratio Lower Upper

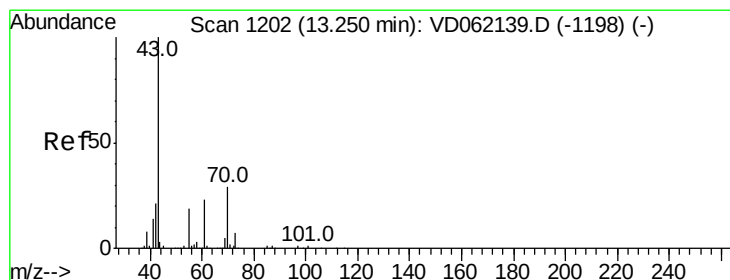
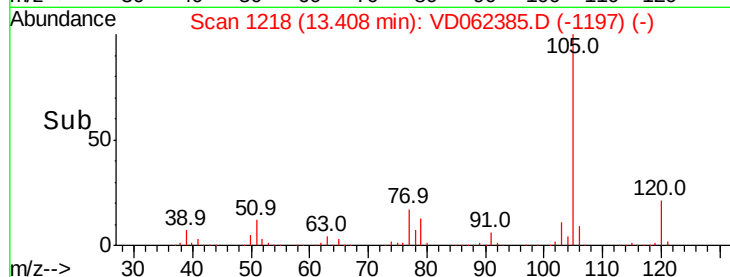
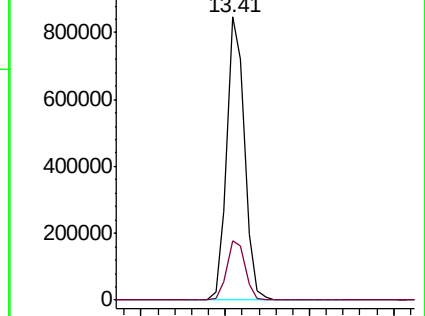
105 100

120 20.8 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 46.788 ug/l

RT: 13.27 min Scan# 1204

Delta R.T. 0.02 min

Lab File: VD062385.D

Acq: 15 May 2019 13:41

Tgt Ion: 43 Resp: 313663

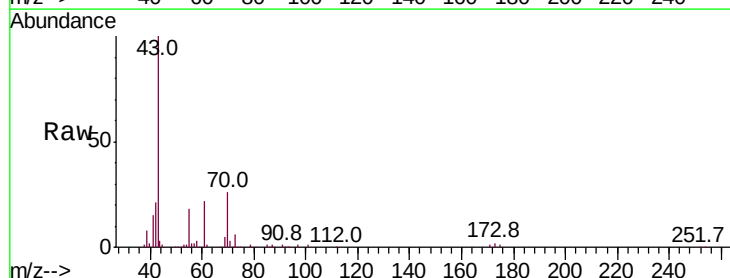
Ion Ratio Lower Upper

43 100

70 26.4 24.2 36.4

55 18.0 16.0 24.0

61 22.3 21.6 32.4

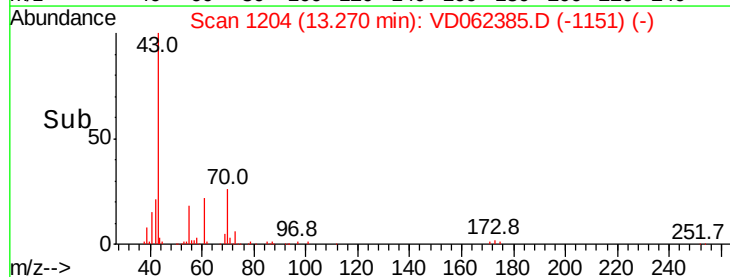
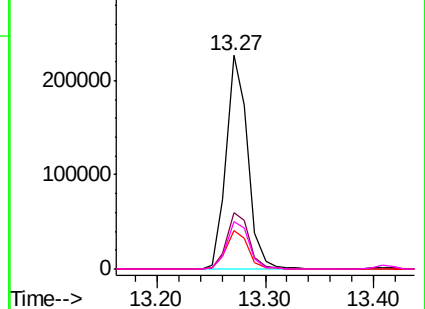


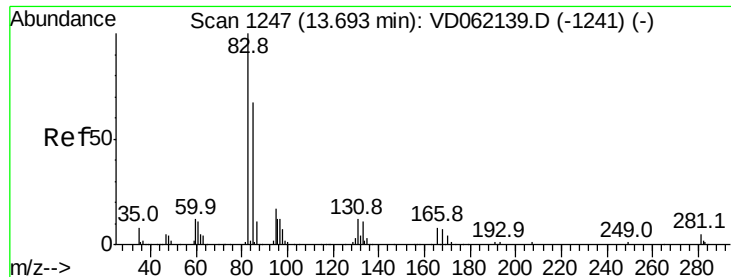
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 49.554 ug/l

RT: 13.70 min Scan# 1248

Delta R.T. 0.01 min

Lab File: VD062385.D

Acq: 15 May 2019 13:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

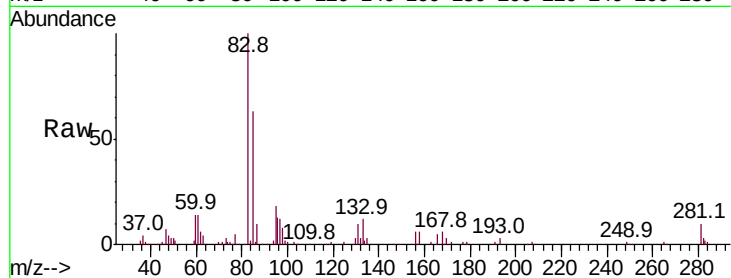
Tot Ion: 83 Resp: 239881

Ion Ratio Lower Upper

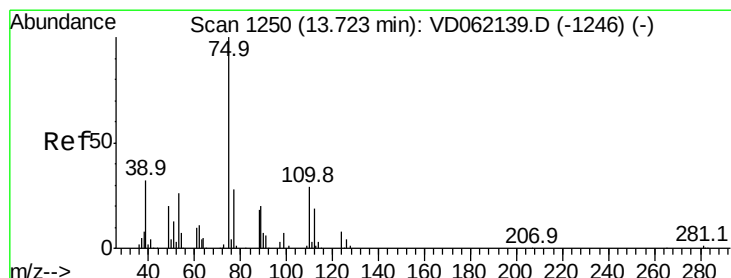
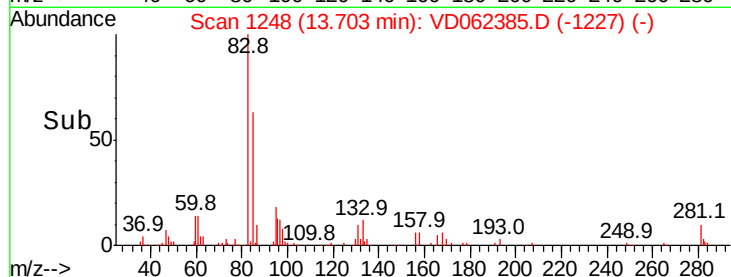
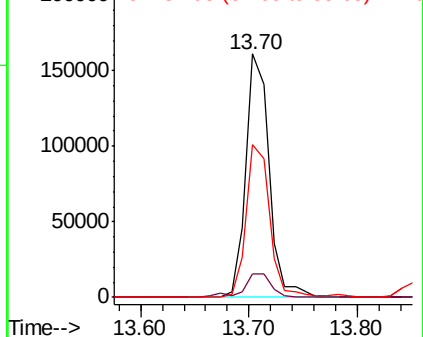
83 100

131 9.6 5.0 14.9

85 63.0 32.6 97.7



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 130.90 (130.60 to 131.60): VDC
Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 49.554 ug/l

RT: 13.74 min Scan# 1252

Delta R.T. 0.02 min

Lab File: VD062385.D

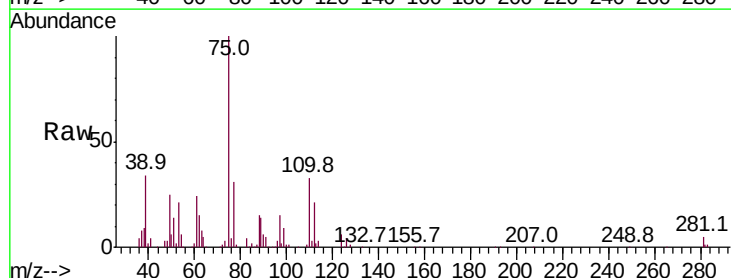
Acq: 15 May 2019 13:41

Tgt Ion: 75 Resp: 251215

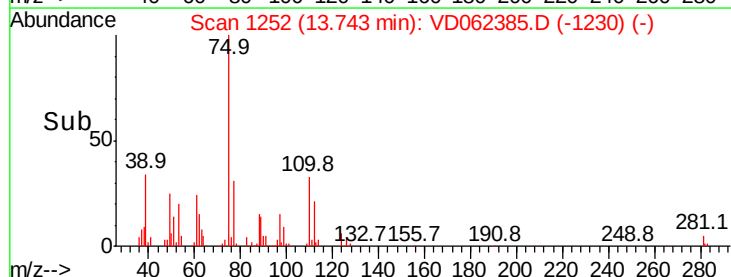
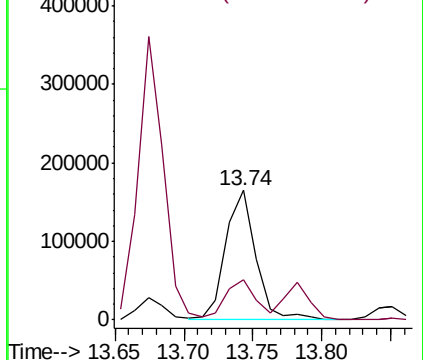
Ion Ratio Lower Upper

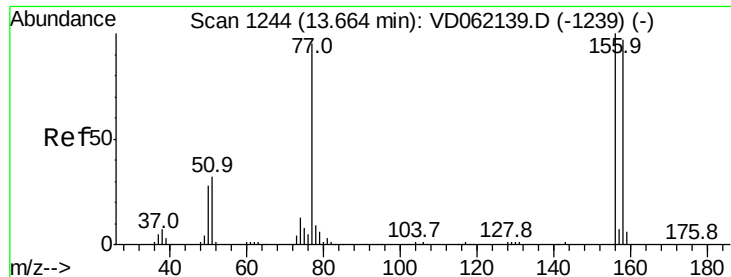
75 100

77 31.2 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 51.301 ug/l

RT: 13.67 min Scan# 1245

Delta R.T. 0.01 min

Lab File: VD062385.D

Acq: 15 May 2019 13:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

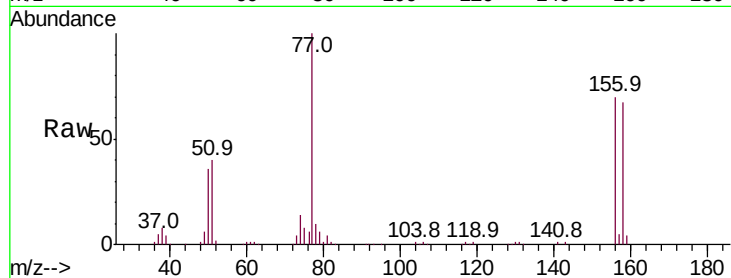
Tot Ion:156 Resp: 367213

Ion Ratio Lower Upper

156 100

77 142.5 53.1 159.4

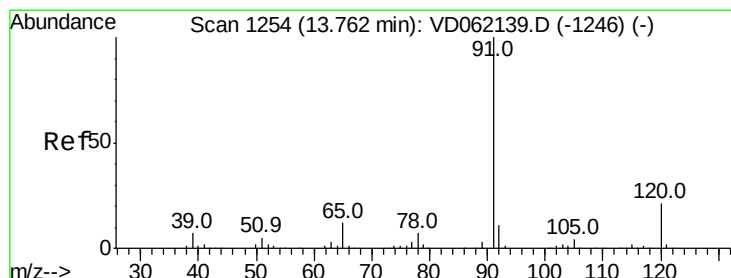
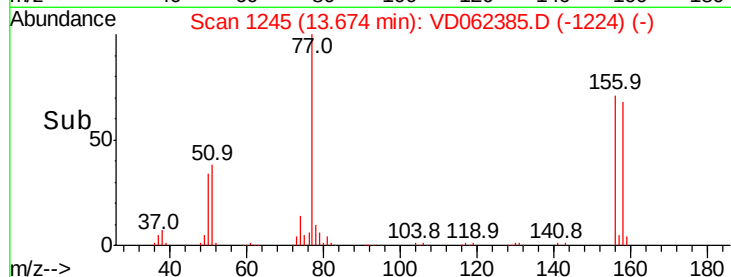
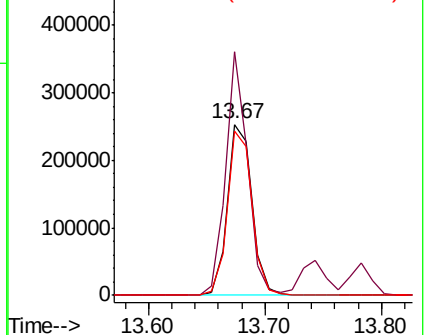
158 96.1 49.4 148.0



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: 49.466 ug/l

RT: 13.78 min Scan# 1256

Delta R.T. 0.02 min

Lab File: VD062385.D

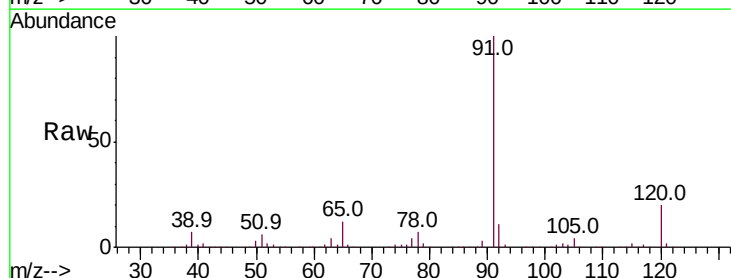
Acq: 15 May 2019 13:41

Tgt Ion: 91 Resp: 1508818

Ion Ratio Lower Upper

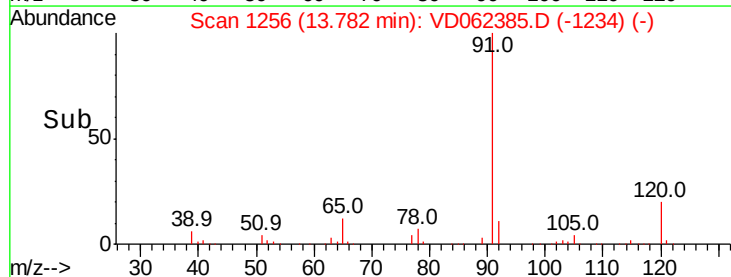
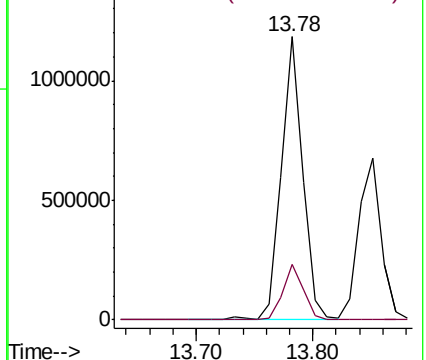
91 100

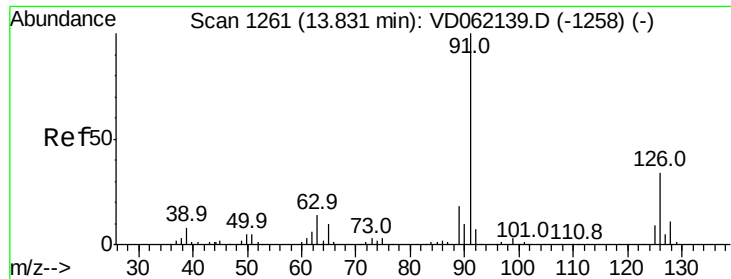
120 19.6 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 51.063 ug/l

RT: 13.85 min Scan# 1263

Delta R.T. 0.02 min

Lab File: VD062385.D

Acq: 15 May 2019 13:41

Instrument :

MSVOA_D

ClientSampleId :

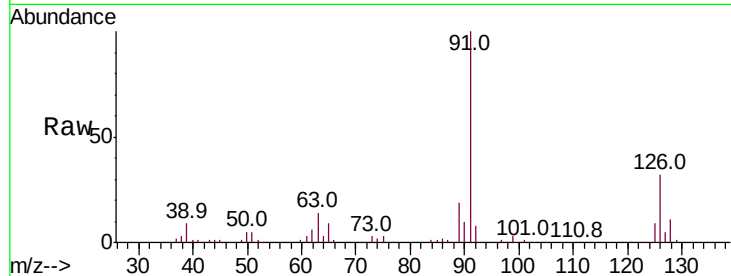
VSTDCCC050

Tot Ion: 91 Resp: 892040

Ion Ratio Lower Upper

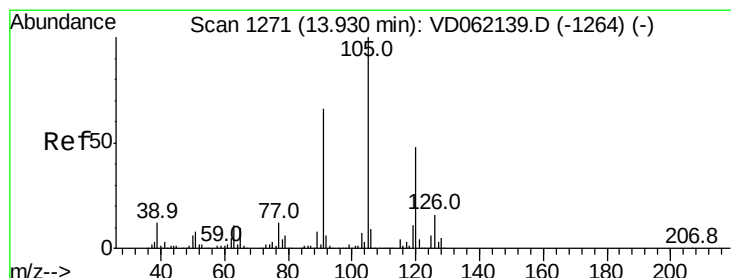
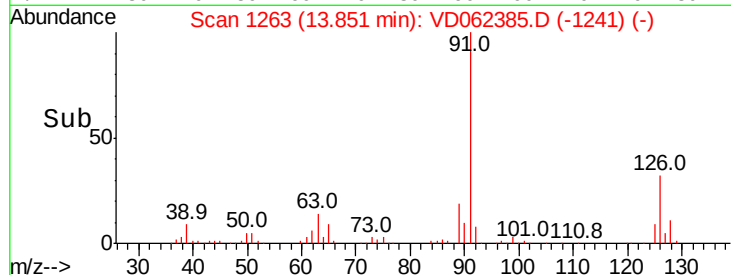
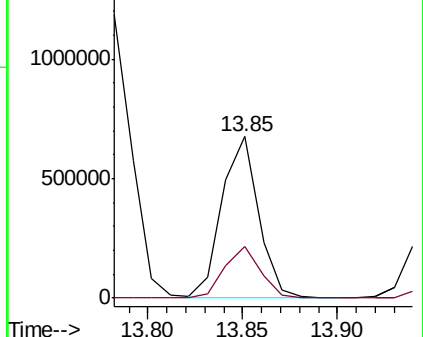
91 100

126 32.0 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: 48.948 ug/l

RT: 13.94 min Scan# 1272

Delta R.T. 0.01 min

Lab File: VD062385.D

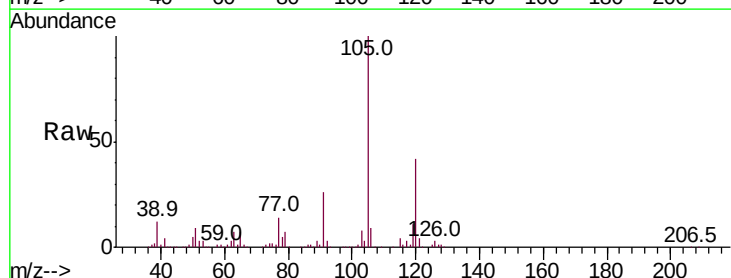
Acq: 15 May 2019 13:41

Tgt Ion:105 Resp: 1053952

Ion Ratio Lower Upper

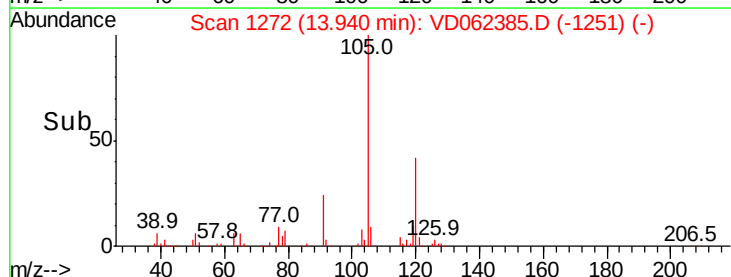
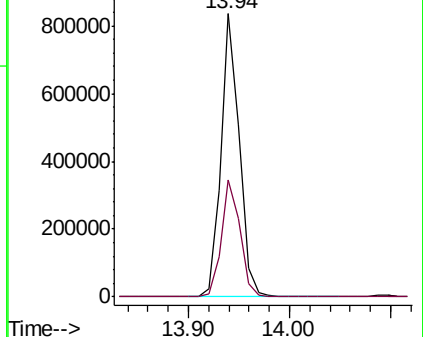
105 100

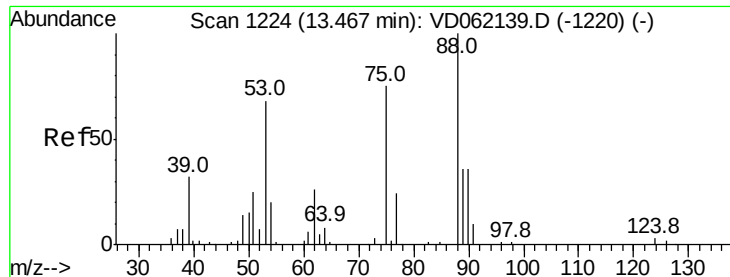
120 41.5 24.0 72.0



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: 47.885 ug/l

RT: 13.48 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VD062385.D

Acq: 15 May 2019 13:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

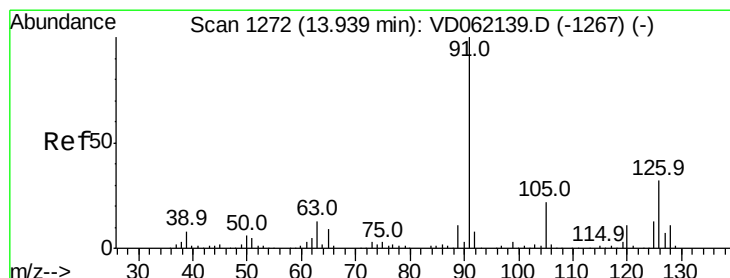
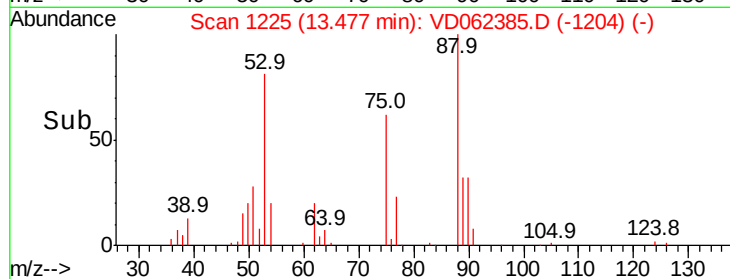
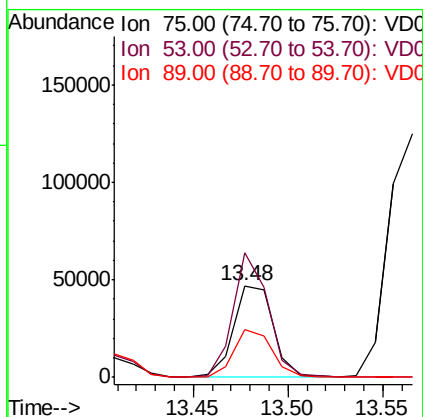
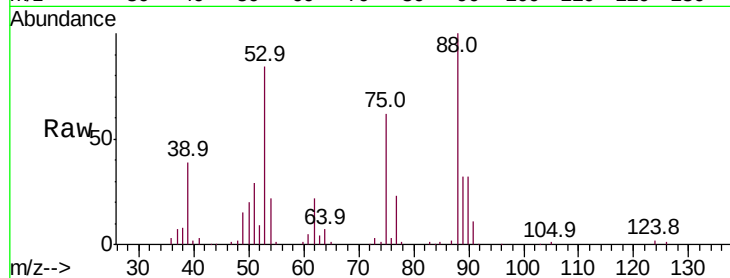
Tot Ion: 75 Resp: 68531

Ion Ratio Lower Upper

75 100

53 135.5 65.8 98.8#

89 51.5 35.0 52.6



#82

4-Chlorotoluene

Concen: 51.326 ug/l

RT: 13.96 min Scan# 1274

Delta R.T. 0.02 min

Lab File: VD062385.D

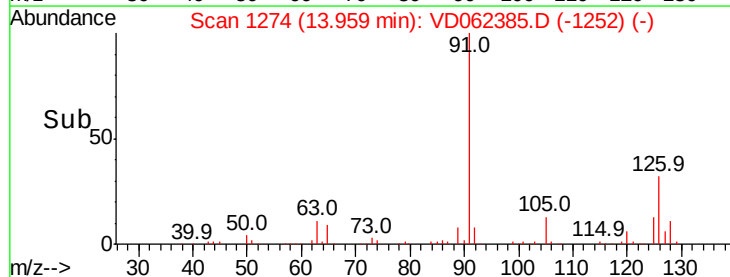
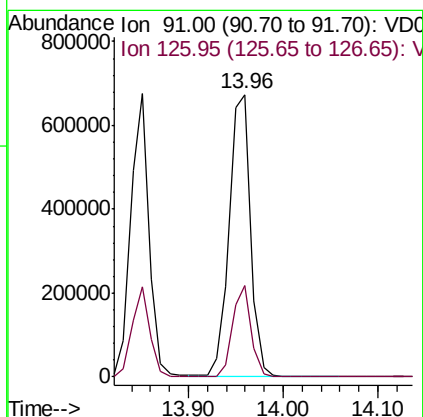
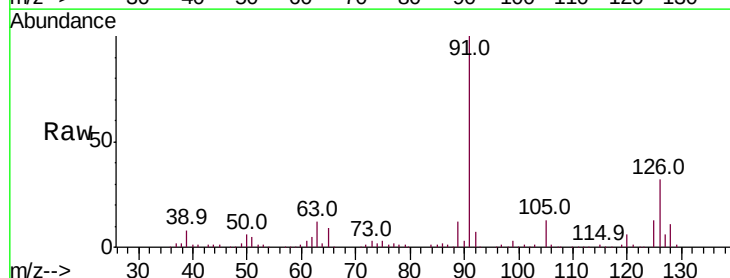
Acq: 15 May 2019 13:41

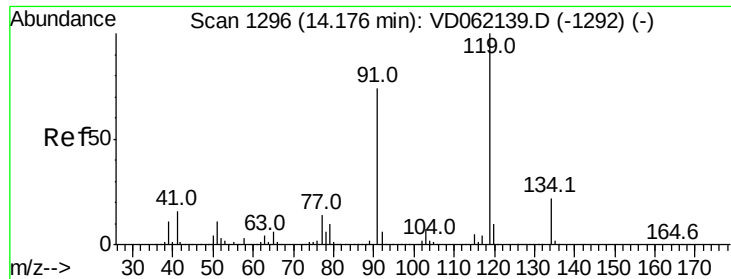
Tgt Ion: 91 Resp: 1055118

Ion Ratio Lower Upper

91 100

126 32.3 19.1 57.5

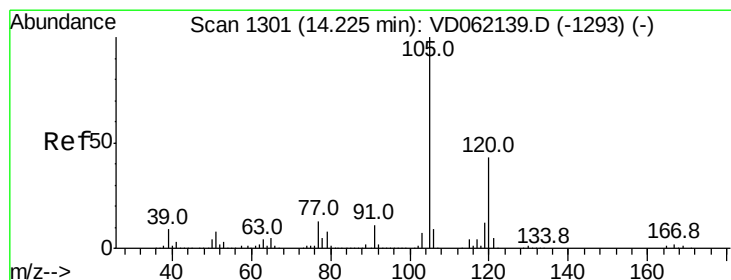
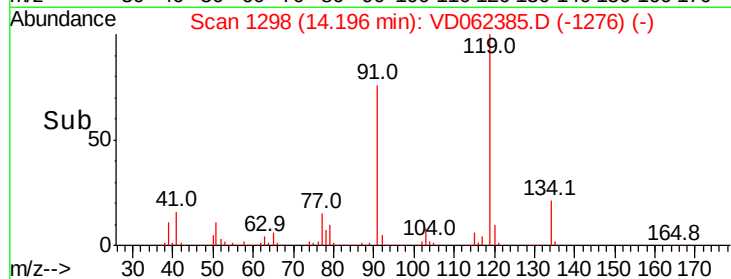
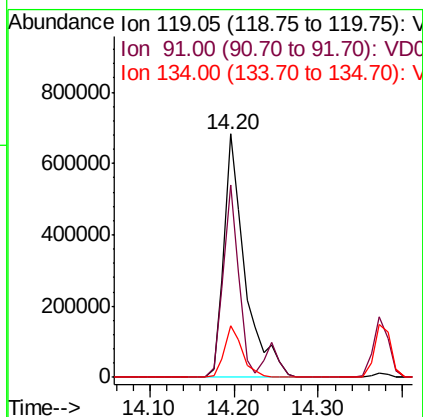
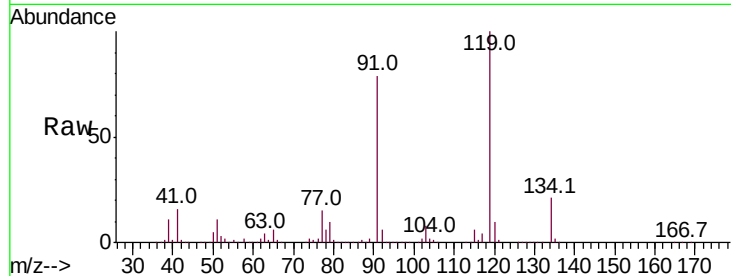




#83
 tert-Butylbenzene
 Concen: 49.471 ug/l
 RT: 14.20 min Scan# 1298
 Delta R.T. 0.02 min
 Lab File: VD062385.D
 Acq: 15 May 2019 13:41

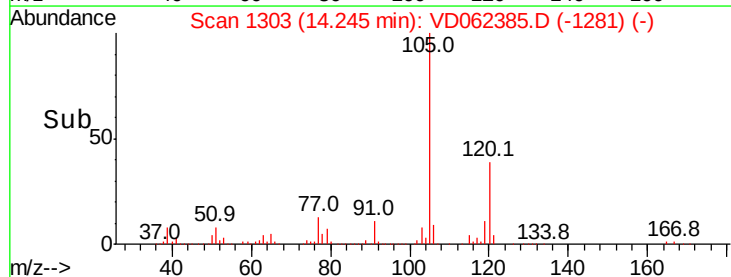
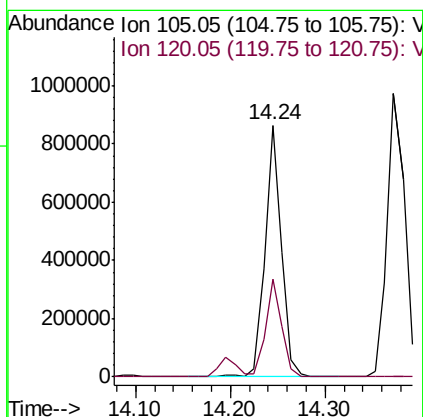
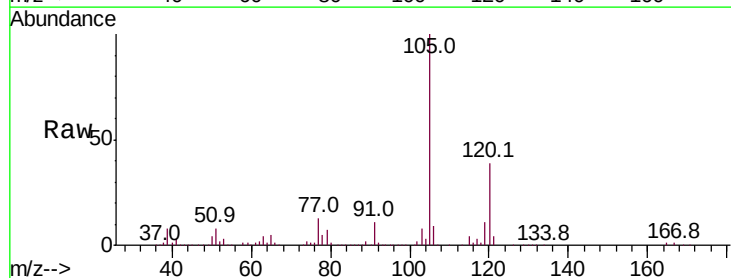
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

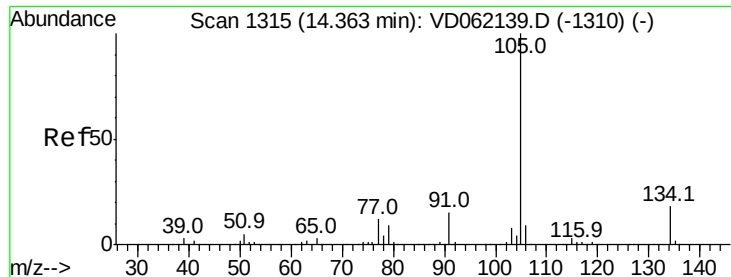
Tot Ion:119 Resp: 1197290
 Ion Ratio Lower Upper
 119 100
 91 79.1 34.2 102.6
 134 21.4 12.0 36.0



#84
 1,2,4-Trimethylbenzene
 Concen: 48.757 ug/l
 RT: 14.24 min Scan# 1303
 Delta R.T. 0.02 min
 Lab File: VD062385.D
 Acq: 15 May 2019 13:41

Tgt Ion:105 Resp: 1053527
 Ion Ratio Lower Upper
 105 100
 120 38.9 23.1 69.2





#85

sec-Butylbenzene

Concen: 47.179 ug/l

RT: 14.37 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VD062385.D

Acq: 15 May 2019 13:41

Instrument :

MSVOA_D

ClientSampleID :

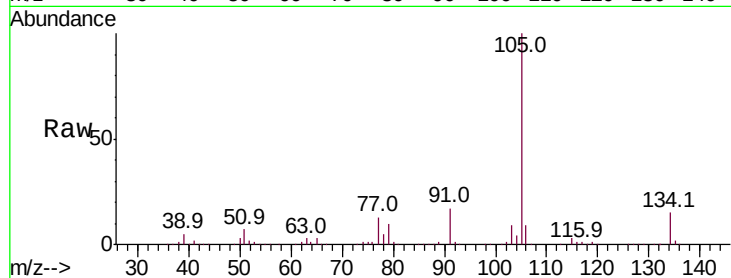
VSTDCCC050

Tot Ion:105 Resp: 1251908

Ion Ratio Lower Upper

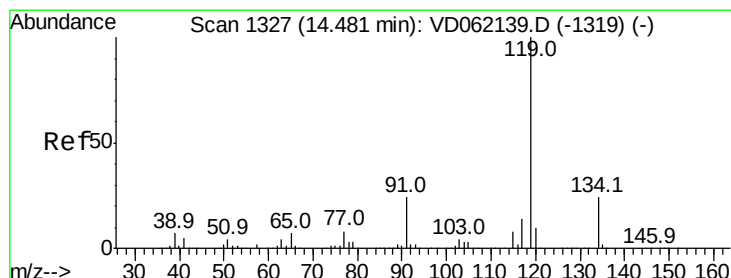
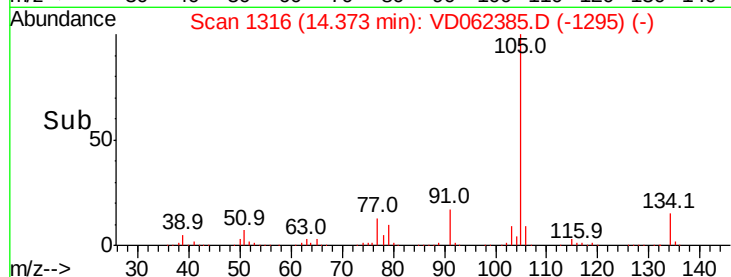
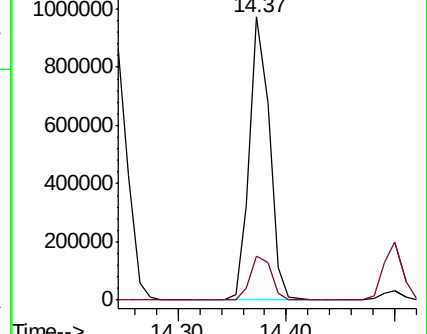
105 100

134 15.4 8.9 26.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 46.487 ug/l

RT: 14.50 min Scan# 1329

Delta R.T. 0.02 min

Lab File: VD062385.D

Acq: 15 May 2019 13:41

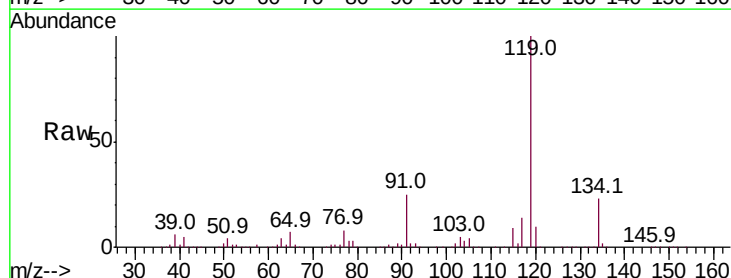
Tgt Ion:119 Resp: 1102110

Ion Ratio Lower Upper

119 100

134 22.7 12.8 38.3

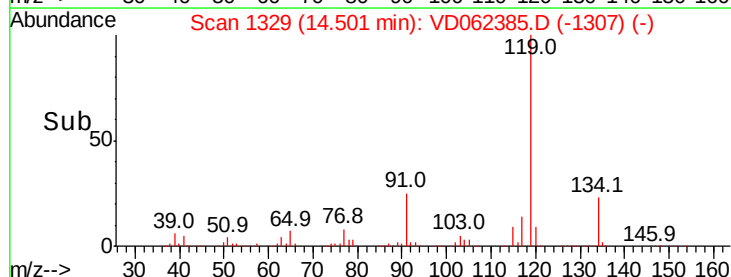
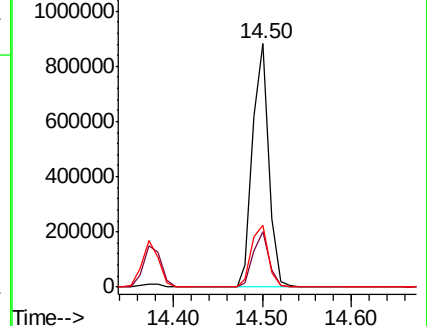
91 25.4 10.7 32.1

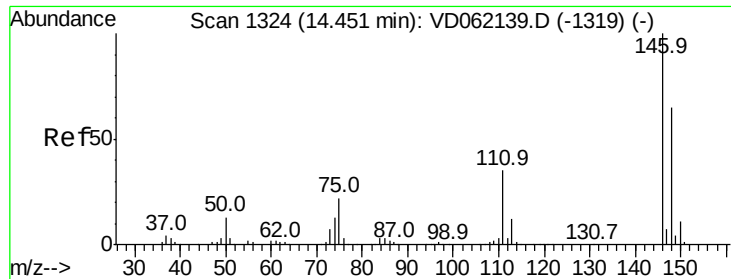


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

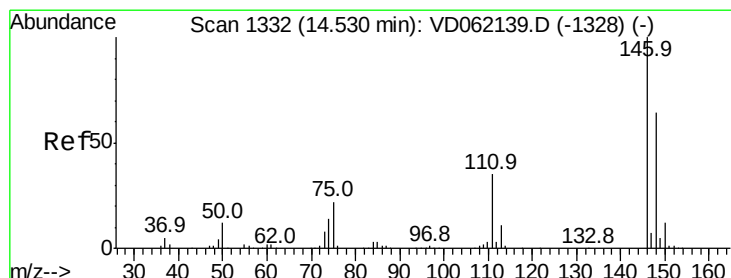
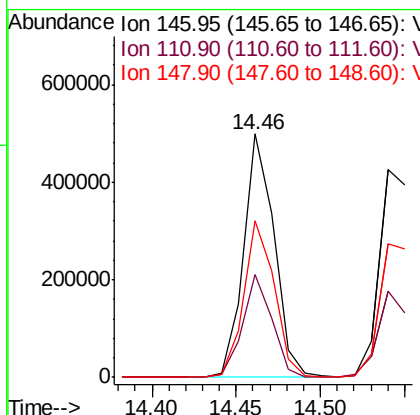
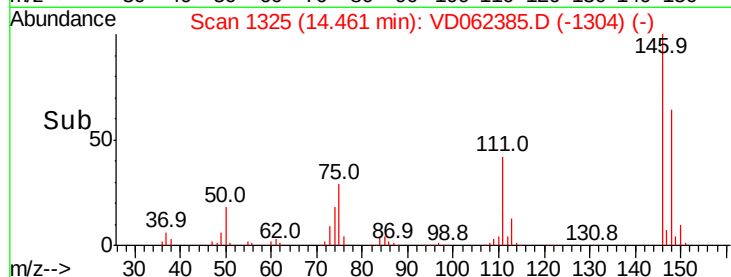
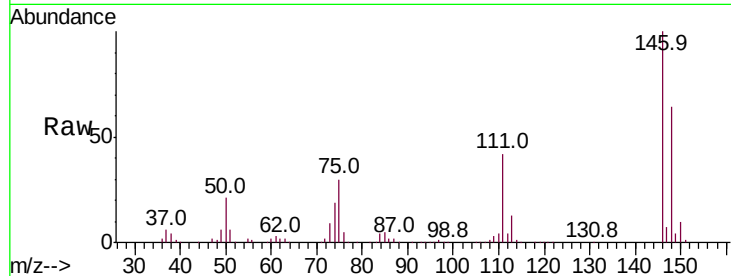




#87
 1,3-Dichlorobenzene
 Concen: 47.955 ug/l
 RT: 14.46 min Scan# 1325
 Delta R.T. 0.01 min
 Lab File: VD062385.D
 Acq: 15 May 2019 13:41

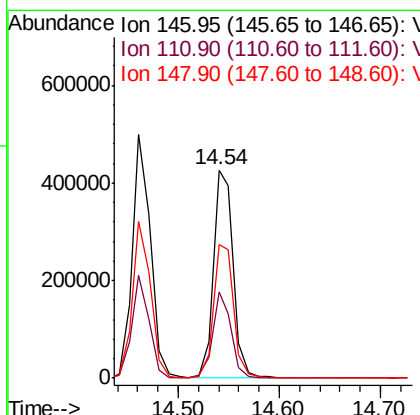
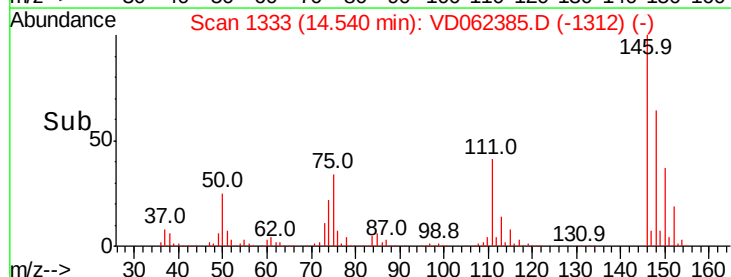
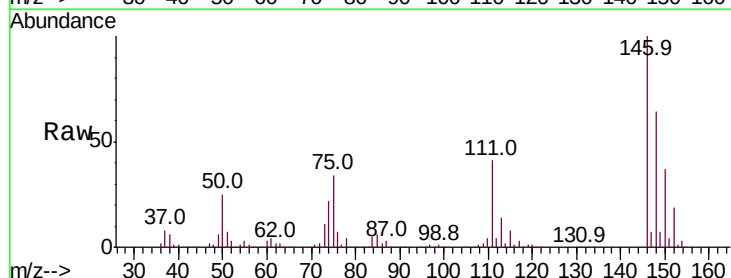
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

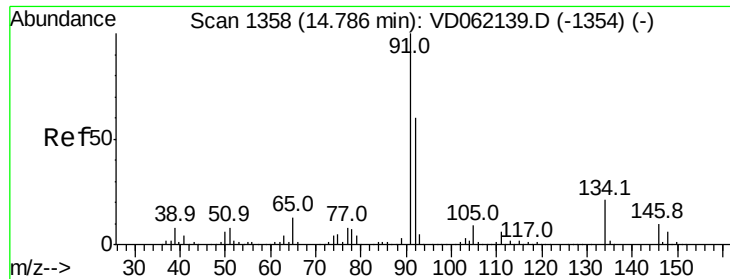
Tot Ion:146 Resp: 627063
 Ion Ratio Lower Upper
 146 100
 111 42.1 20.0 60.0
 148 64.1 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 45.571 ug/l
 RT: 14.54 min Scan# 1333
 Delta R.T. 0.01 min
 Lab File: VD062385.D
 Acq: 15 May 2019 13:41

Tgt Ion:146 Resp: 585507
 Ion Ratio Lower Upper
 146 100
 111 41.1 20.2 60.5
 148 64.3 32.0 96.2

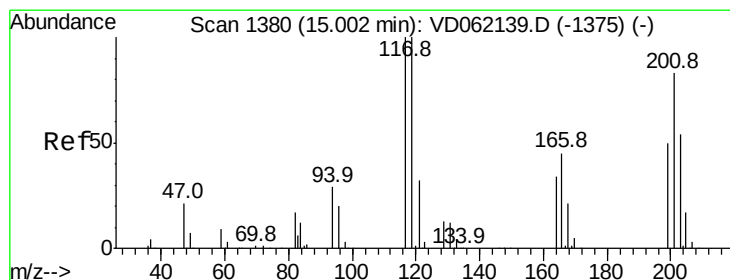
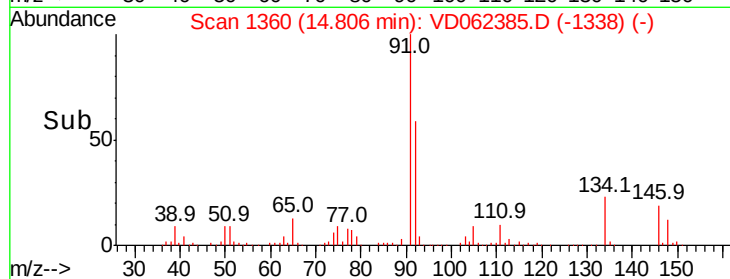
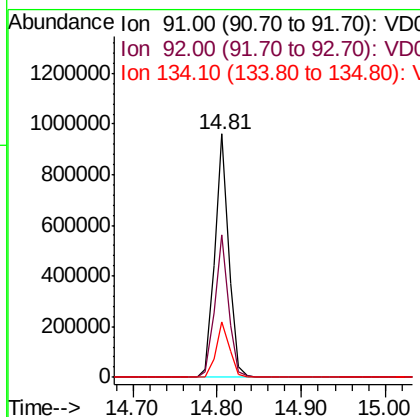
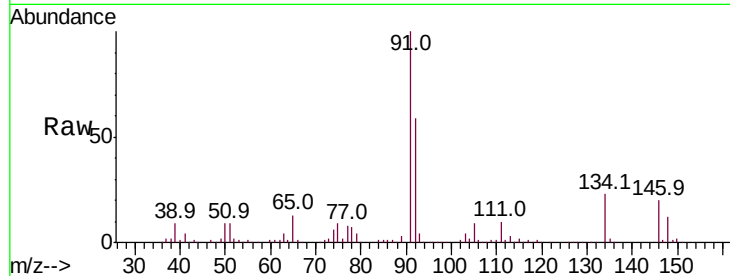




#89
n-Butylbenzene
Concen: 51.877 ug/l
RT: 14.81 min Scan# 1360
Delta R.T. 0.02 min
Lab File: VD062385.D
Acq: 15 May 2019 13:41

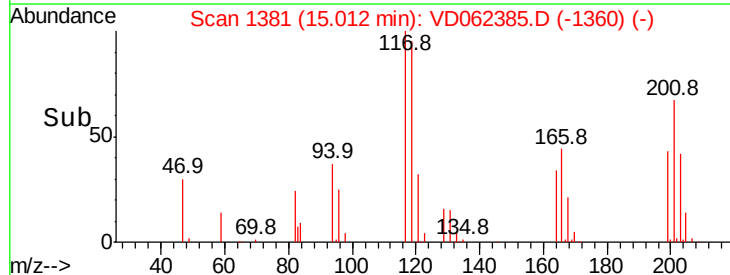
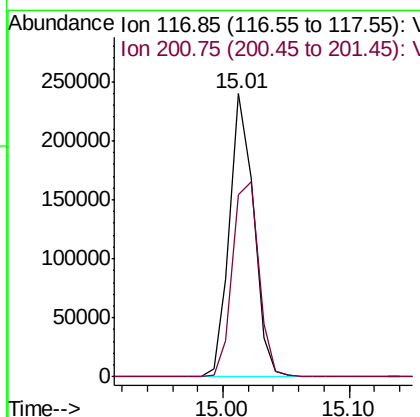
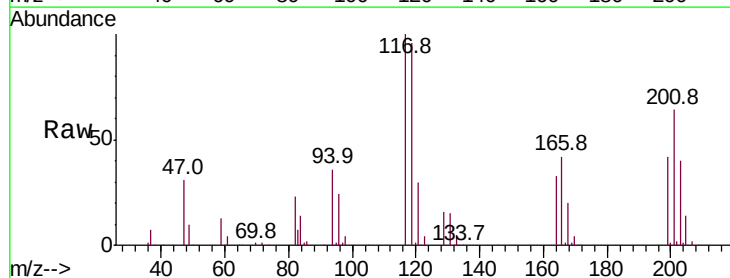
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

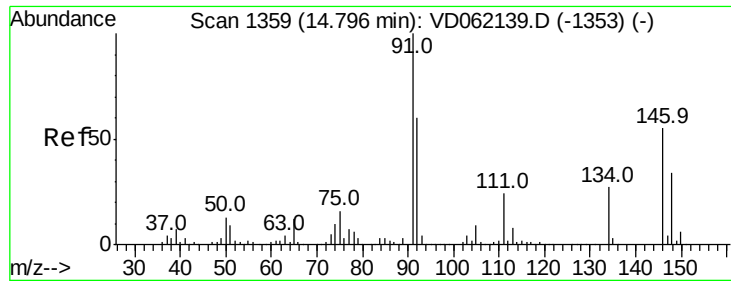
Tot Ion: 91 Resp: 1103911
Ion Ratio Lower Upper
91 100
92 58.6 30.3 91.0
134 22.6 14.5 43.6



#90
Hexachloroethane
Concen: 49.151 ug/l
RT: 15.01 min Scan# 1381
Delta R.T. 0.01 min
Lab File: VD062385.D
Acq: 15 May 2019 13:41

Tgt Ion: 117 Resp: 316887
Ion Ratio Lower Upper
117 100
201 64.5 30.2 90.6

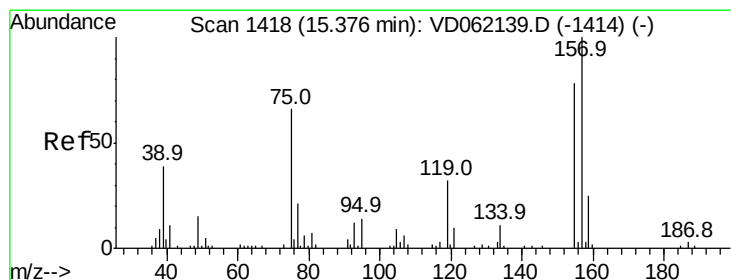
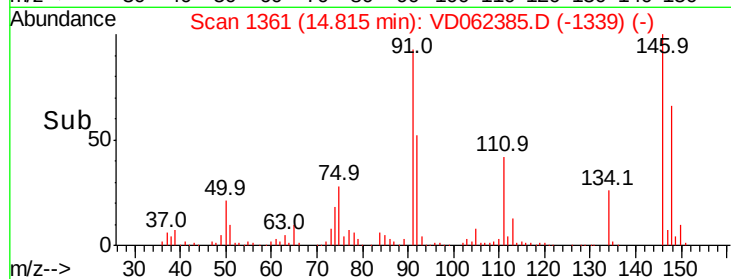
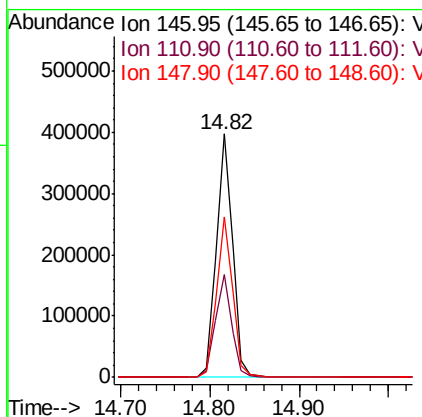
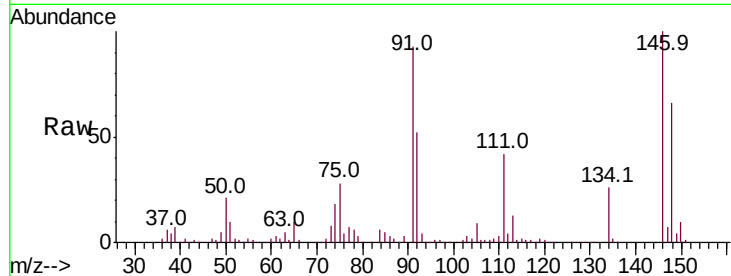




#91
 1,2-Dichlorobenzene
 Concen: 46.878 ug/l
 RT: 14.82 min Scan# 1361
 Delta R.T. 0.02 min
 Lab File: VD062385.D
 Acq: 15 May 2019 13:41

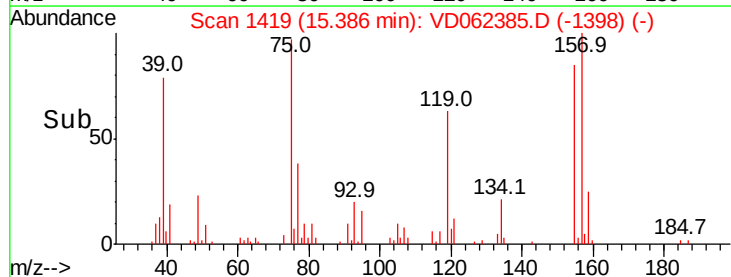
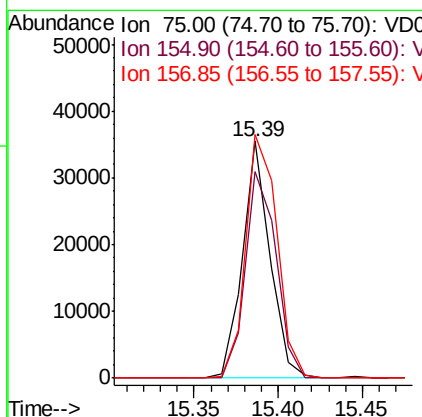
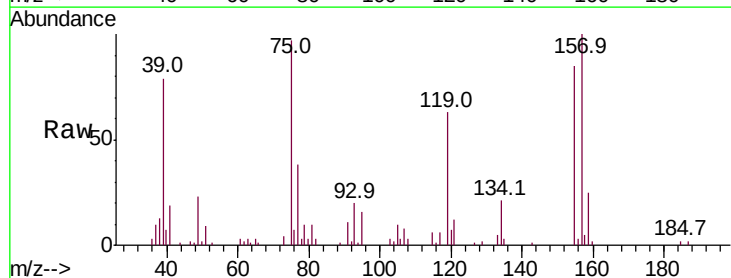
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

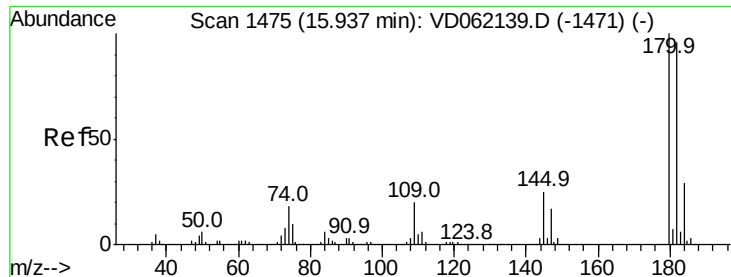
Tot Ion:146 Resp: 504820
 Ion Ratio Lower Upper
 146 100
 111 42.1 20.0 59.9
 148 66.0 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.422 ug/l
 RT: 15.39 min Scan# 1419
 Delta R.T. 0.01 min
 Lab File: VD062385.D
 Acq: 15 May 2019 13:41

Tgt Ion: 75 Resp: 40066
 Ion Ratio Lower Upper
 75 100
 155 87.1 55.3 165.8
 157 102.9 67.8 203.2

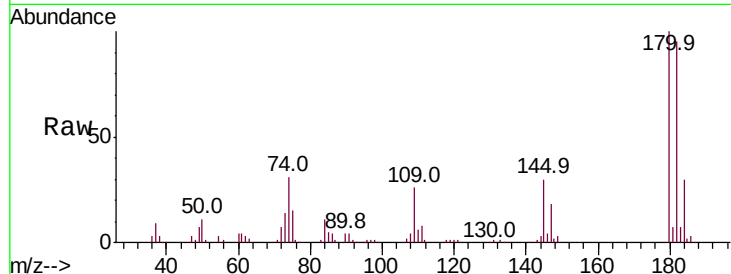




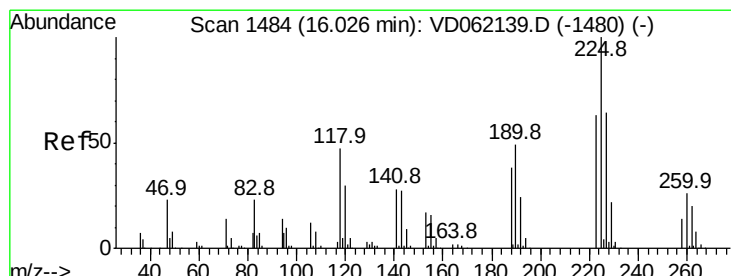
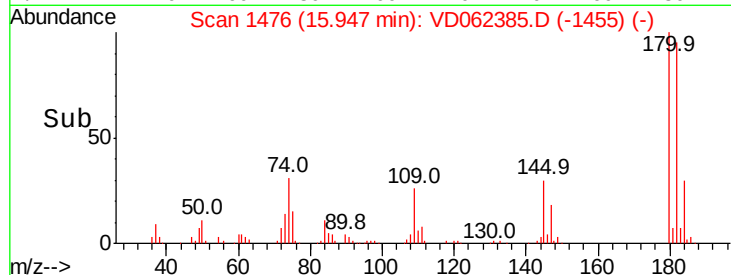
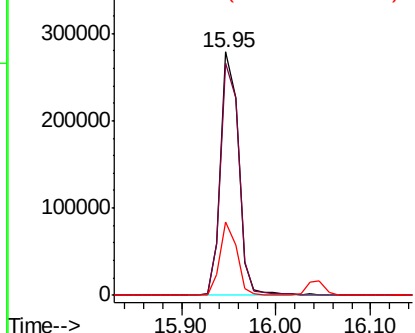
#93
 1,2,4-Trichlorobenzene
 Concen: 47.124 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. 0.01 min
 Lab File: VD062385.D
 Acq: 15 May 2019 13:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 369369
 Ion Ratio Lower Upper
 180 100
 182 95.4 49.3 147.8
 145 30.3 16.2 48.6

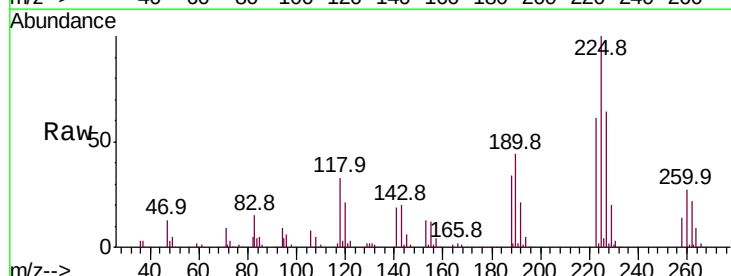


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

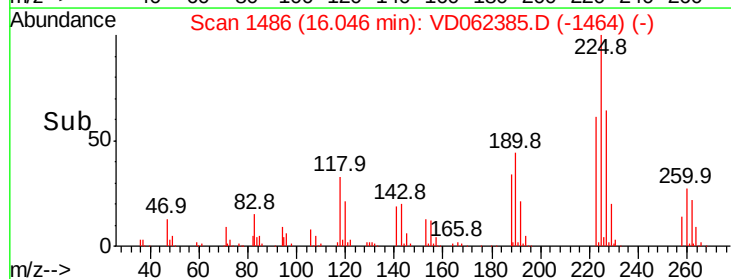
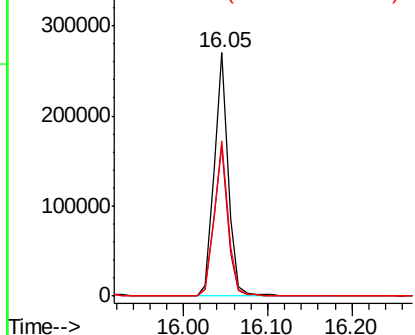


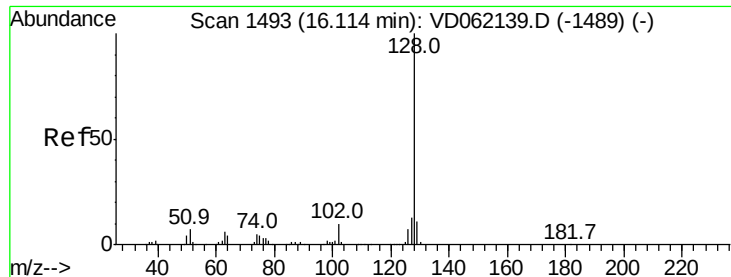
#94
 Hexachlorobutadiene
 Concen: 53.690 ug/l
 RT: 16.05 min Scan# 1486
 Delta R.T. 0.02 min
 Lab File: VD062385.D
 Acq: 15 May 2019 13:41

Tgt Ion:225 Resp: 313008
 Ion Ratio Lower Upper
 225 100
 223 61.5 30.6 92.0
 227 63.6 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

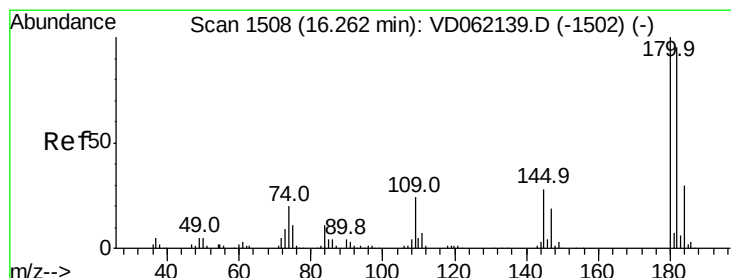
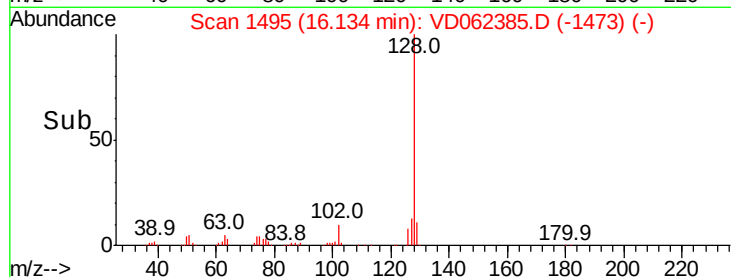
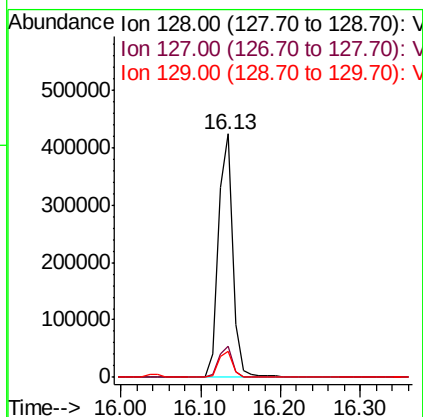
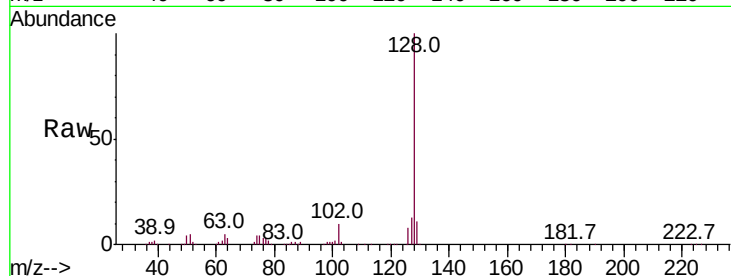




#95
Naphthalene
Concen: 49.662 ug/l
RT: 16.13 min Scan# 1495
Delta R.T. 0.02 min
Lab File: VD062385.D
Acq: 15 May 2019 13:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 543464
Ion Ratio Lower Upper
128 100
127 12.7 9.8 14.8
129 10.6 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 53.665 ug/l
RT: 16.28 min Scan# 1510
Delta R.T. 0.02 min
Lab File: VD062385.D
Acq: 15 May 2019 13:41

Tgt Ion:180 Resp: 264474
Ion Ratio Lower Upper
180 100
182 97.5 47.0 141.0
145 28.5 17.0 51.0

