

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050719\
 Data File : VD062144.D
 Acq On : 7 May 2019 20:24
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: May 08 04:31:27 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	7.02	168	827178	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	1191997	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.35	117	913598	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	515041	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.43	65	366130	47.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.26%	
35) Dibromofluoromethane	6.89	113	475733	48.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.20%	
50) Toluene-d8	10.39	98	1094261	45.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.78%	
62) 4-Bromofluorobenzene	13.54	95	432322	45.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.55	85	358999	45.378	ug/l	100
3) Chloromethane	1.73	50	257709	45.082	ug/l	98
4) Vinyl Chloride	1.83	62	275002	48.950	ug/l	99
5) Bromomethane	2.13	94	68044	51.690	ug/l	91
6) Chloroethane	2.23	64	118453	50.247	ug/l	97
7) Trichlorofluoromethane	2.50	101	483117	44.232	ug/l	96
8) Diethyl Ether	2.84	74	112444	53.380	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	3.12	101	382887	46.341	ug/l	97
10) Methyl Iodide	3.28	142	569415	45.599	ug/l	93
11) Tert butyl alcohol	4.03	59	102730	261.810	ug/l #	90
12) 1,1-Dichloroethene	3.10	96	319135	50.599	ug/l	96
13) Acrolein	3.01	56	101961	251.232	ug/l	100
14) Allyl chloride	3.59	41	418692	45.657	ug/l	90
15) Acrylonitrile	4.16	53	258717	250.850	ug/l	89
16) Acetone	3.19	43	357665	221.868	ug/l	93
17) Carbon Disulfide	3.36	76	954393	52.602	ug/l	100
18) Methyl Acetate	3.61	43	149263	51.782	ug/l	97
19) Methyl tert-butyl Ether	4.20	73	668831	49.474	ug/l	98
20) Methylene Chloride	3.79	84	357328	53.087	ug/l	97
21) trans-1,2-Dichloroethene	4.19	96	339162	48.325	ug/l	96
22) Diisopropyl ether	5.08	45	931913	47.754	ug/l	99
23) Vinyl Acetate	5.02	43	2710842	263.288	ug/l	99
24) 1,1-Dichloroethane	4.95	63	558399	47.433	ug/l	99
25) 2-Butanone	6.03	43	450666	256.298	ug/l	95
26) 2,2-Dichloropropane	5.99	77	522404	44.548	ug/l	98
27) cis-1,2-Dichloroethene	6.00	96	387109	49.277	ug/l	98
28) Bromochloromethane	6.41	49	246679	53.259	ug/l	98
29) Tetrahydrofuran	6.43	42	223672	276.075	ug/l	97
30) Chloroform	6.63	83	686221	48.367	ug/l	99
31) Cyclohexane	6.93	56	403591	50.040	ug/l	96
32) 1,1,1-Trichloroethane	6.84	97	629338	46.930	ug/l	99
36) 1,1-Dichloropropene	7.11	75	467798	47.865	ug/l	96
37) Ethyl Acetate	6.14	43	199734	48.190	ug/l	96
38) Carbon Tetrachloride	7.09	117	704616	52.089	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.84	83	453422	48.422	ug/l	97
40) Benzene	7.43	78	1035362	46.915	ug/l	97
41) Methacrylonitrile	6.42	41	263847	52.092	ug/l #	91
42) 1,2-Dichloroethane	7.55	62	463531	49.574	ug/l	98
43) Isopropyl Acetate	9.21	43	295291	50.236	ug/l #	96
44) Trichloroethene	8.51	130	395513	47.031	ug/l	92
45) 1,2-Dichloropropane	8.92	63	251470	46.067	ug/l	96
46) Dibromomethane	9.03	93	218557	49.235	ug/l	92
47) Bromodichloromethane	9.35	83	514283	47.364	ug/l	98
48) Methyl methacrylate	9.09	41	188168	51.970	ug/l	90
49) 1,4-Dioxane	9.04	88	41061	1051.085	ug/l	99
51) 4-Methyl-2-Pentanone	10.27	43	967442	256.039	ug/l	95
52) Toluene	10.49	92	672298	46.820	ug/l	100
53) t-1,3-Dichloropropene	10.89	75	467009	49.764	ug/l	96
54) cis-1,3-Dichloropropene	10.02	75	505633	49.390	ug/l	96
55) 1,1,2-Trichloroethane	11.17	97	243007	47.831	ug/l	97
56) Ethyl methacrylate	11.02	69	267459	50.660	ug/l	91
57) 1,3-Dichloropropane	11.39	76	369659	48.161	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.83	63	744541	258.178	ug/l	100
59) 2-Hexanone	11.51	43	706338	253.632	ug/l	95
60) Dibromochloromethane	11.66	129	436726	49.739	ug/l	99
61) 1,2-Dibromoethane	11.79	107	305822	49.512	ug/l	96
64) Tetrachloroethene	11.24	164	356146	49.853	ug/l	93
65) Chlorobenzene	12.38	112	829279	48.735	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.50	131	374250	50.536	ug/l	98
67) Ethyl Benzene	12.51	91	1434815	50.367	ug/l	98
68) m/p-Xylenes	12.66	106	1003577	96.829	ug/l	99
69) o-Xylene	13.04	106	499085	51.796	ug/l	96
70) Styrene	13.06	104	876052	53.670	ug/l	97
71) Bromoform	13.23	173	259552	50.375	ug/l #	98
73) Isopropylbenzene	13.39	105	1442250	46.715	ug/l	99
74) N-amyl acetate	13.26	43	393739	48.644	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.69	83	290738	49.744	ug/l	96
76) 1,2,3-Trichloropropane	13.72	75	287492	46.969	ug/l	99
77) Bromobenzene	13.66	156	412723	47.755	ug/l	99
78) n-propylbenzene	13.76	91	1623083	44.072	ug/l	95
79) 2-Chlorotoluene	13.83	91	898675	42.607	ug/l	93
80) 1,3,5-Trimethylbenzene	13.92	105	1226514	47.178	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.46	75	87179	50.452	ug/l	88
82) 4-Chlorotoluene	13.93	91	1064382	42.884	ug/l	89
83) tert-Butylbenzene	14.18	119	1370358	46.896	ug/l	99
84) 1,2,4-Trimethylbenzene	14.23	105	1237090	47.419	ug/l	96
85) sec-Butylbenzene	14.36	105	1485001	46.351	ug/l	99
86) p-Isopropyltoluene	14.49	119	1340643	46.836	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	724039	45.861	ug/l	98
88) 1,4-Dichlorobenzene	14.53	146	703164	45.329	ug/l	99
89) n-Butylbenzene	14.79	91	1229285	47.846	ug/l	97
90) Hexachloroethane	15.00	117	366015	47.020	ug/l	88
91) 1,2-Dichlorobenzene	14.80	146	653490	50.260	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.37	75	44844	46.741	ug/l	94

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Response via : Initial Calibration

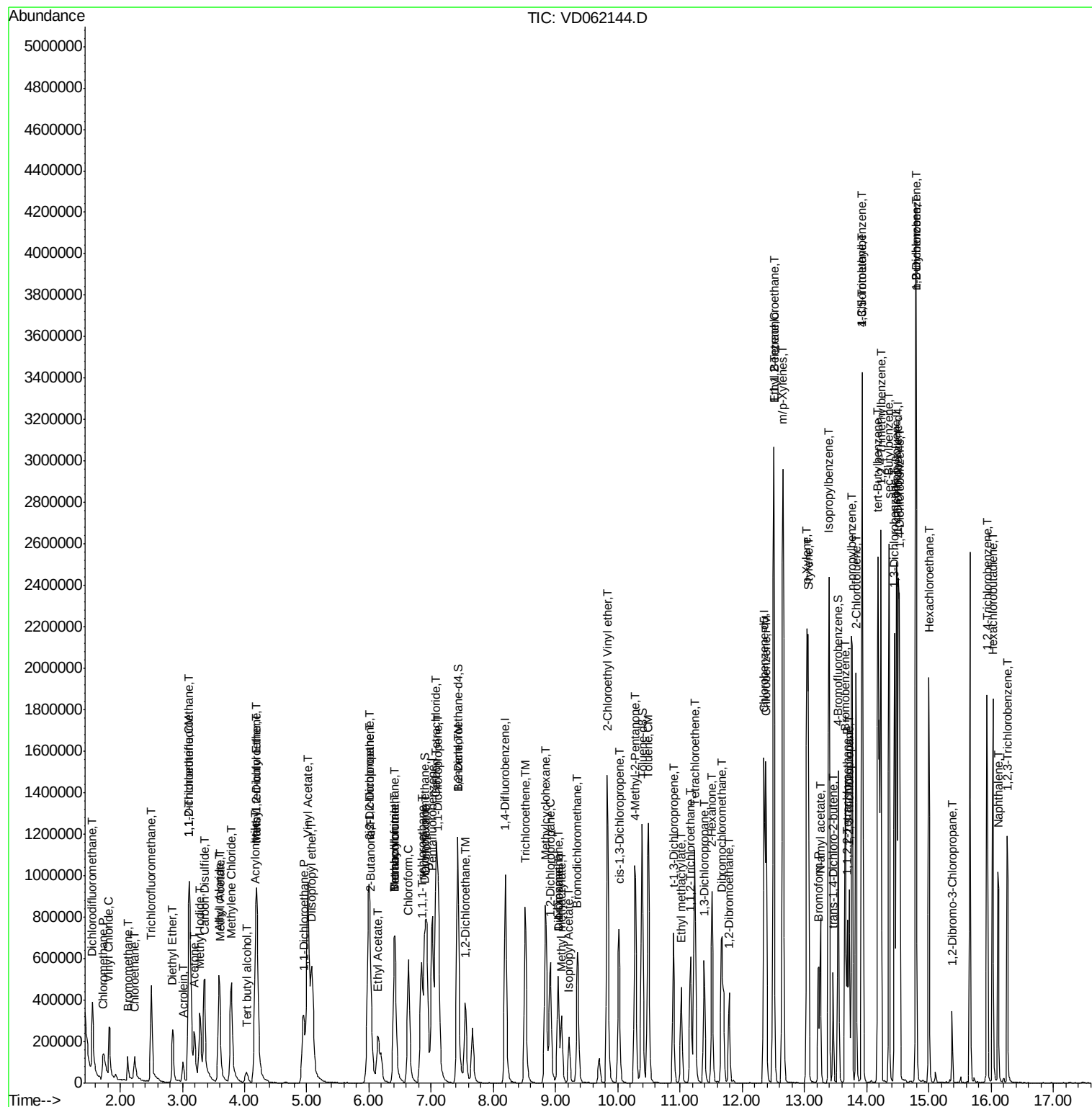
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.93	180	475600	50.254	ug/l	96
94) Hexachlorobutadiene	16.03	225	322756	45.853	ug/l	99
95) Naphthalene	16.12	128	707477	53.546	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	328087	55.138	ug/l	95

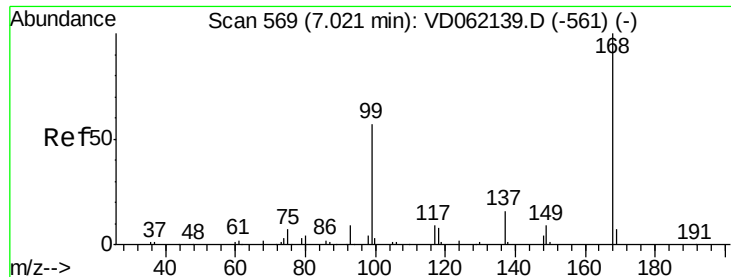
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD050719\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.02 min Scan# 568

Delta R.T. -0.00 min

Lab File: VD062144.D

Acq: 7 May 2019 20:24

Instrument :

MSVOA_D

ClientSampleId :

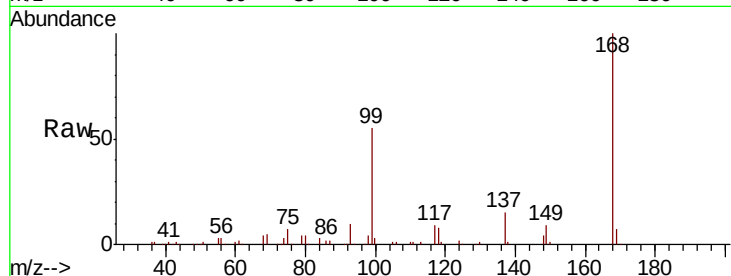
VSTDCCC050

Tot Ion:168 Resp: 827178

Ion Ratio Lower Upper

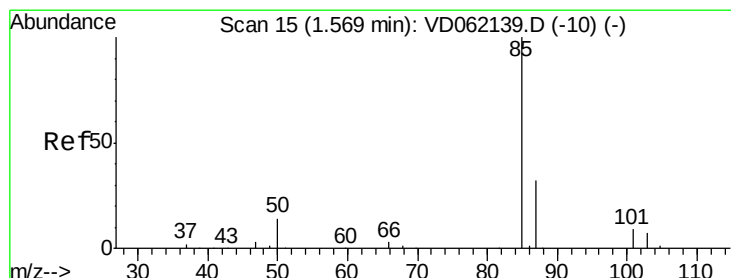
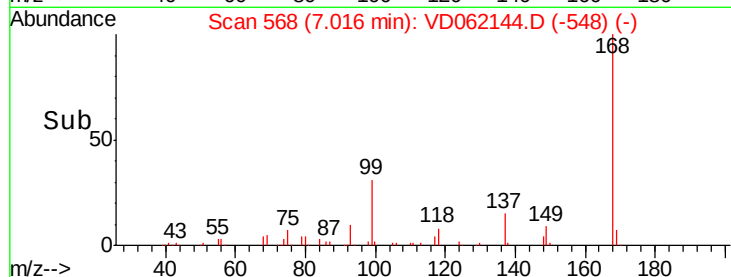
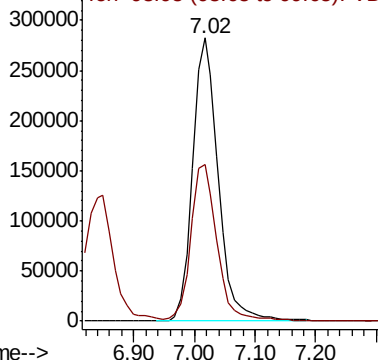
168 100

99 55.3 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 45.378 ug/l

RT: 1.55 min Scan# 13

Delta R.T. -0.01 min

Lab File: VD062144.D

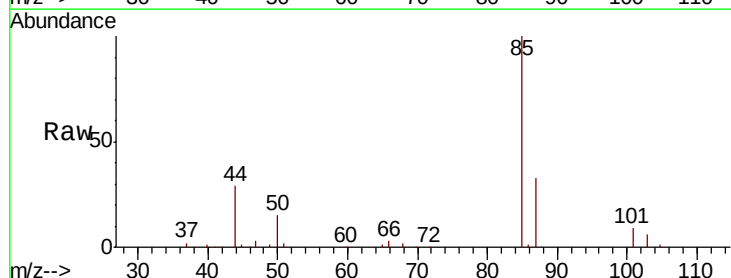
Acq: 7 May 2019 20:24

Tgt Ion: 85 Resp: 358999

Ion Ratio Lower Upper

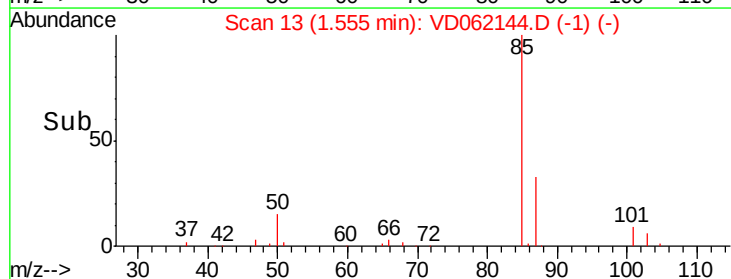
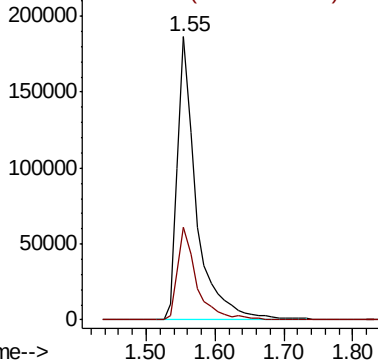
85 100

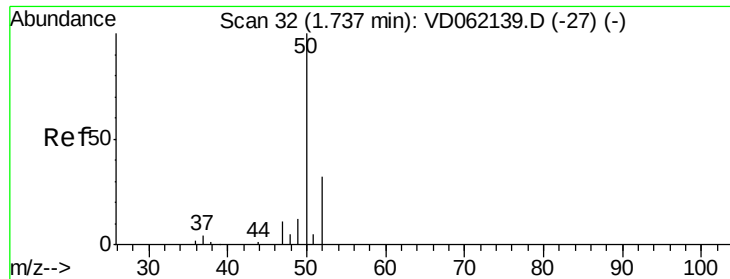
87 32.5 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 45.082 ug/l

RT: 1.73 min Scan# 31

Delta R.T. -0.00 min

Lab File: VD062144.D

Acq: 7 May 2019 20:24

Instrument :

MSVOA_D

ClientSampleId :

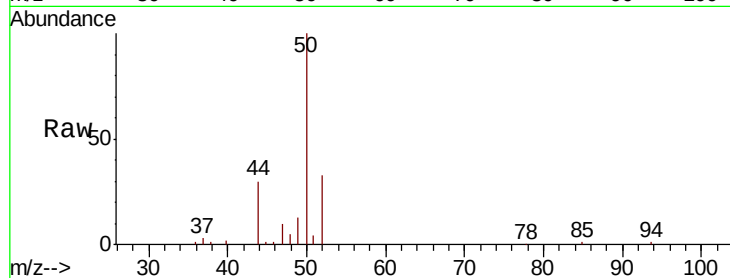
VSTDCCC050

Tot Ion: 50 Resp: 257709

Ion Ratio Lower Upper

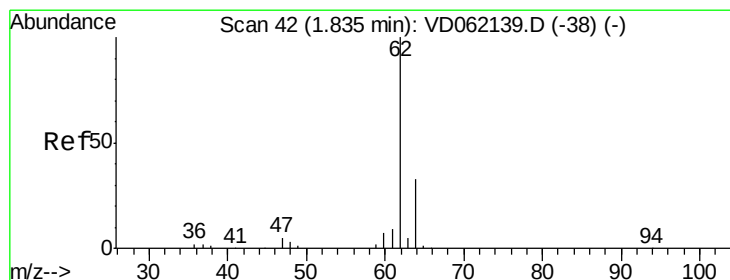
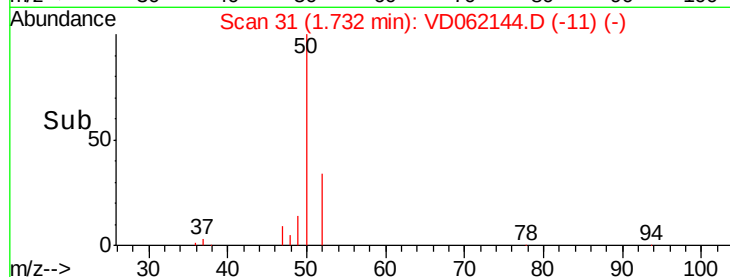
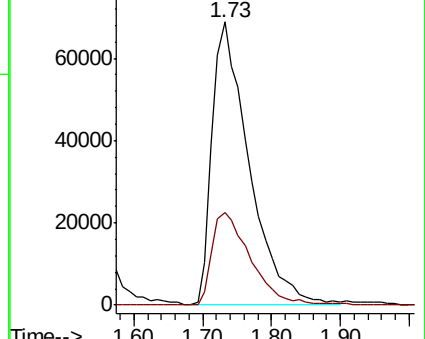
50 100

52 32.8 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 48.950 ug/l

RT: 1.83 min Scan# 41

Delta R.T. -0.00 min

Lab File: VD062144.D

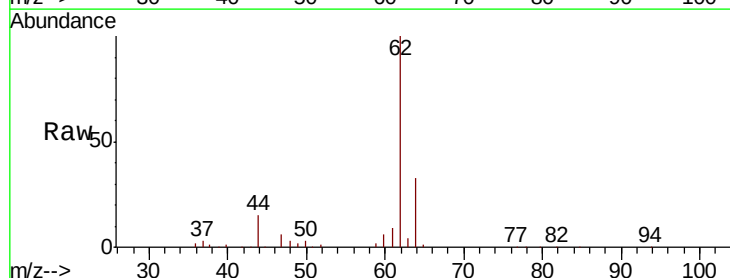
Acq: 7 May 2019 20:24

Tgt Ion: 62 Resp: 275002

Ion Ratio Lower Upper

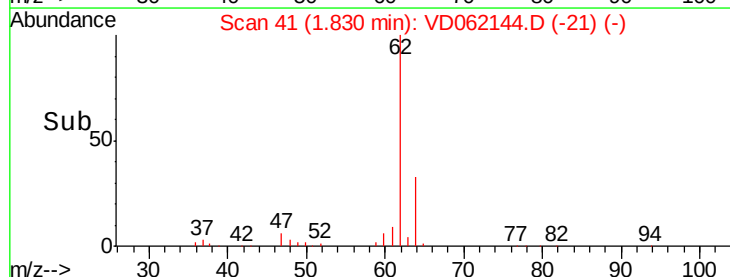
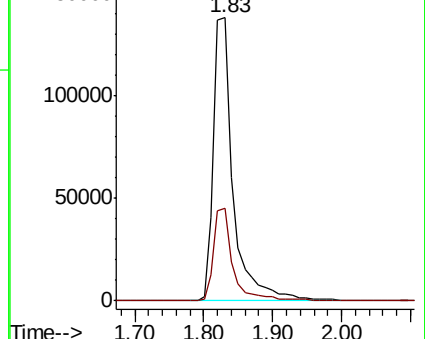
62 100

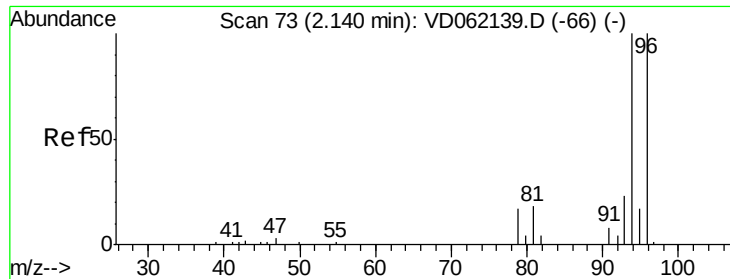
64 32.6 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 51.690 ug/l

RT: 2.13 min Scan# 71

Delta R.T. -0.01 min

Lab File: VD062144.D

Acq: 7 May 2019 20:24

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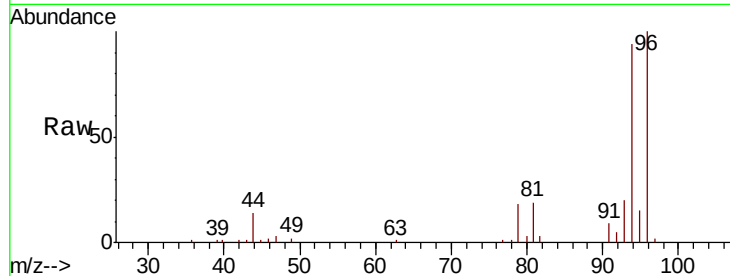
Tot Ion: 94 Resp: 68044

Ion Ratio Lower Upper

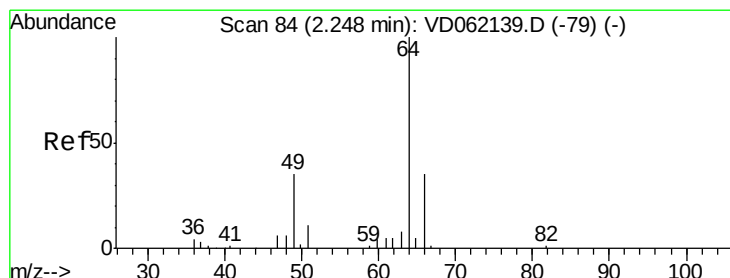
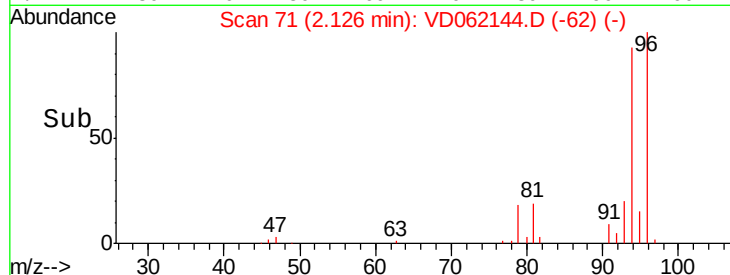
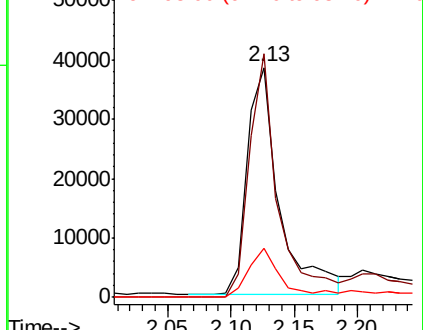
94 100

96 106.0 76.6 115.0

93 21.4 18.5 27.7



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



#6

Chloroethane

Concen: 50.247 ug/l

RT: 2.23 min Scan# 82

Delta R.T. -0.01 min

Lab File: VD062144.D

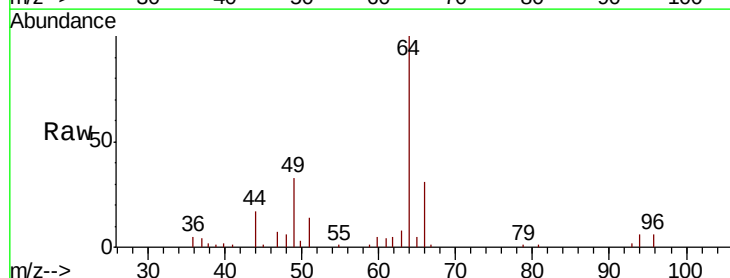
Acq: 7 May 2019 20:24

Tgt Ion: 64 Resp: 118453

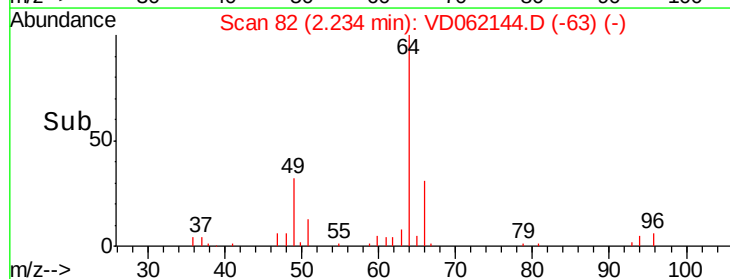
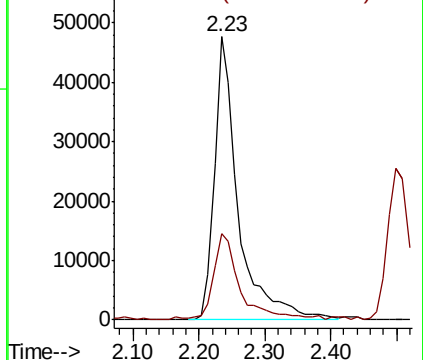
Ion Ratio Lower Upper

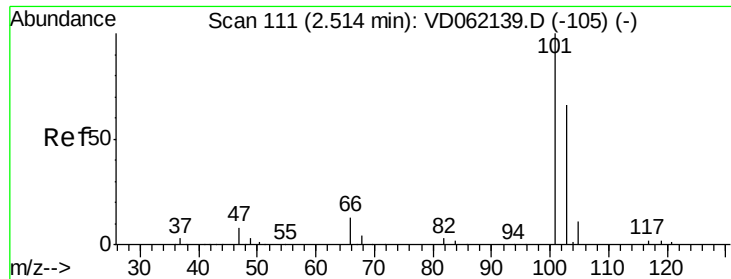
64 100

66 30.6 25.6 38.4



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



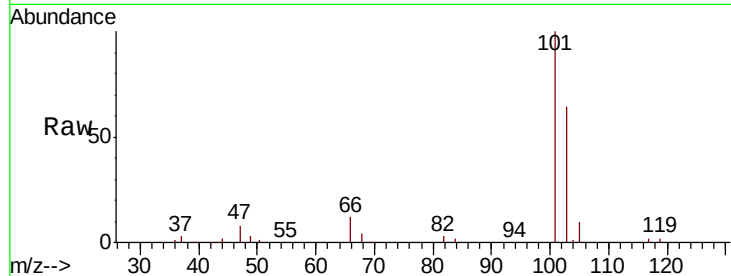


#7

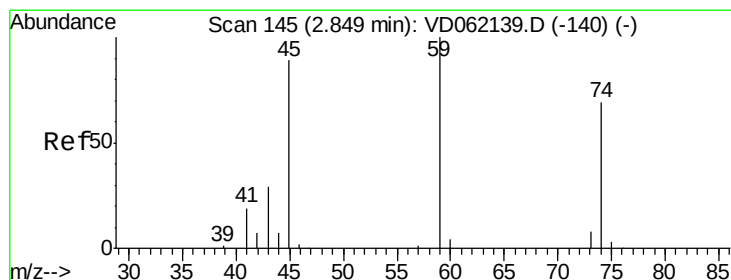
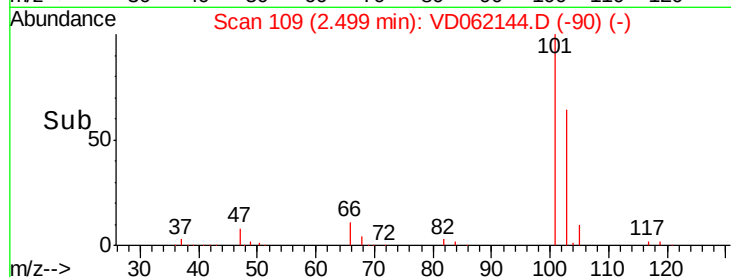
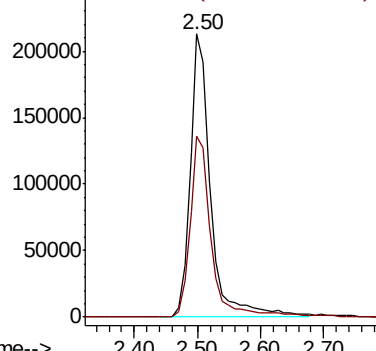
Trichlorofluoromethane
Concen: 44.232 ug/l
RT: 2.50 min Scan# 109
Delta R.T. -0.01 min
Lab File: VD062144.D
Acq: 7 May 2019 20:24

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Tot Ion:101 Resp: 483117
Ion Ratio Lower Upper
101 100
103 63.8 53.6 80.4



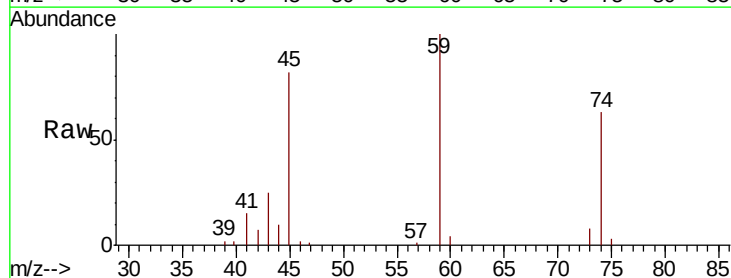
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



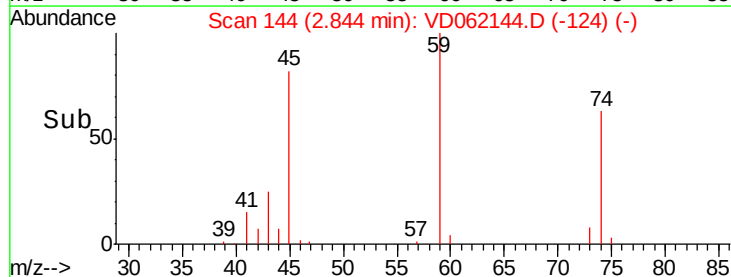
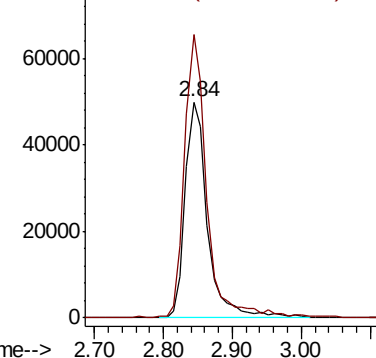
#8

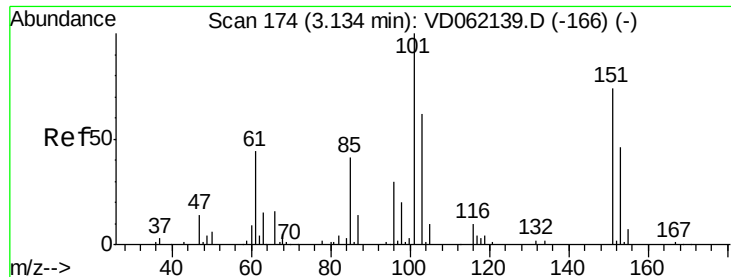
Diethyl Ether
Concen: 53.380 ug/l
RT: 2.84 min Scan# 144
Delta R.T. -0.00 min
Lab File: VD062144.D
Acq: 7 May 2019 20:24

Tgt Ion: 74 Resp: 112444
Ion Ratio Lower Upper
74 100
45 131.3 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: 46.341 ug/l

RT: 3.12 min Scan# 172

Delta R.T. -0.01 min

Lab File: VD062144.D

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VSTDCCC050

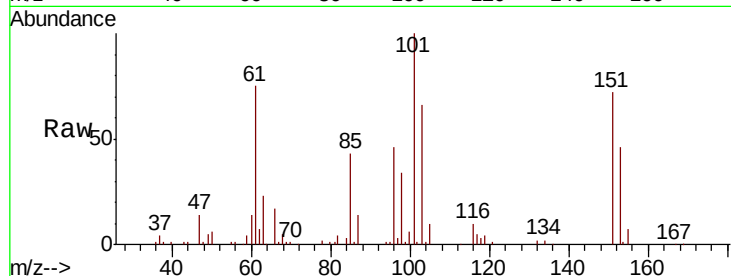
Tot Ion:101 Resp: 382887

Ion Ratio Lower Upper

101 100

85 42.8 32.4 48.6

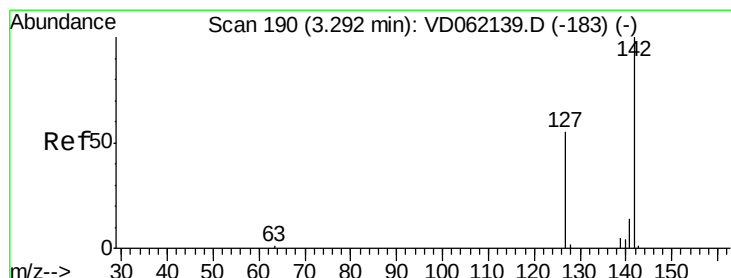
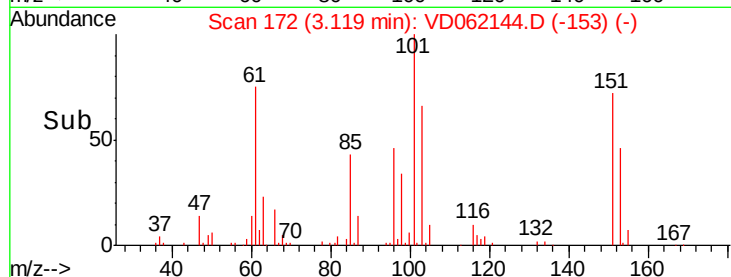
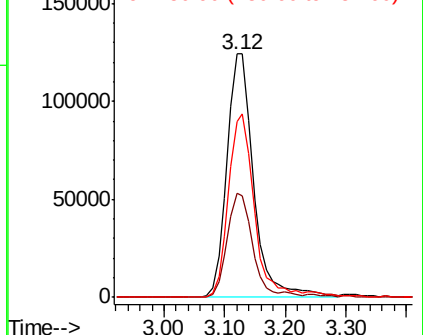
151 72.1 59.4 89.0



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: 45.599 ug/l

RT: 3.28 min Scan# 188

Delta R.T. -0.01 min

Lab File: VD062144.D

Acq: 7 May 2019 20:24

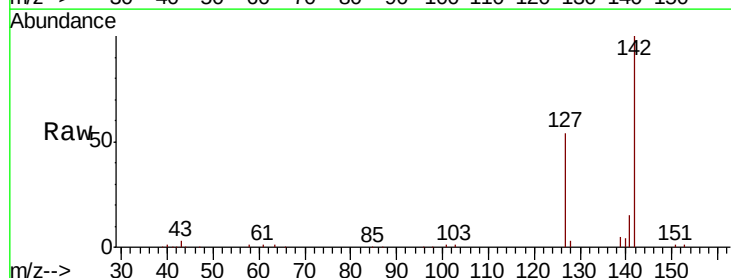
Tgt Ion:142 Resp: 569415

Ion Ratio Lower Upper

142 100

127 54.4 38.8 58.2

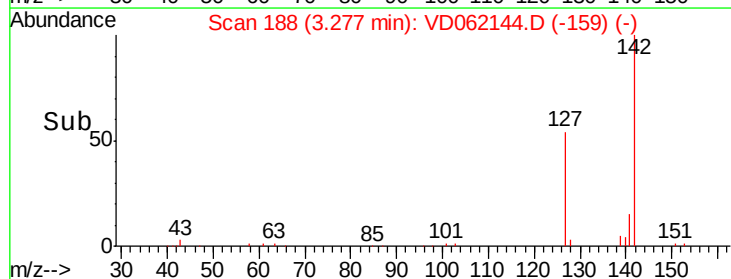
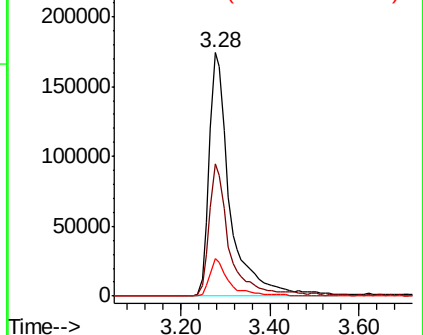
141 15.2 11.4 17.0

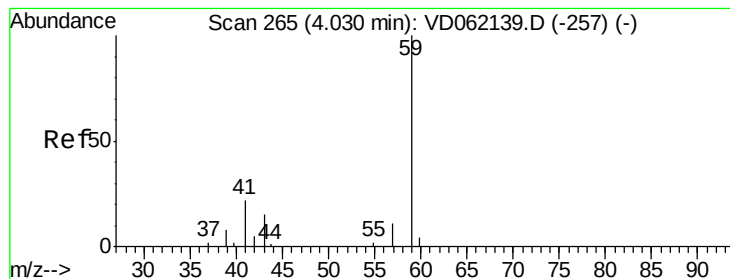


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



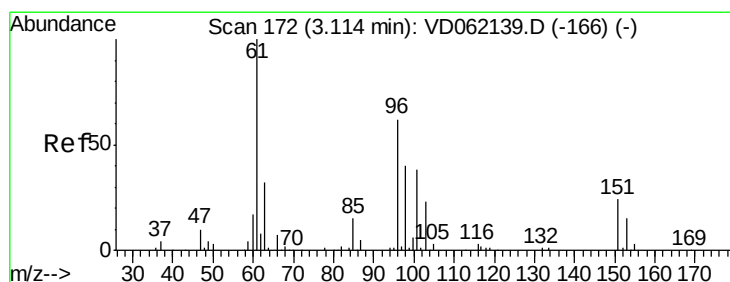
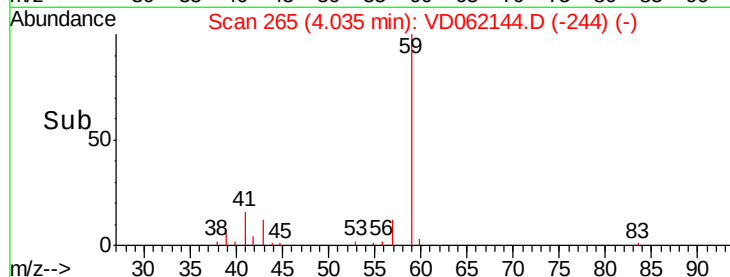
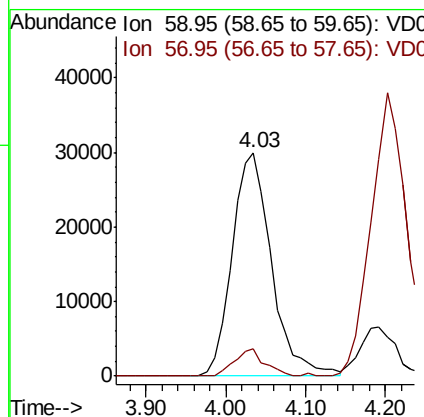
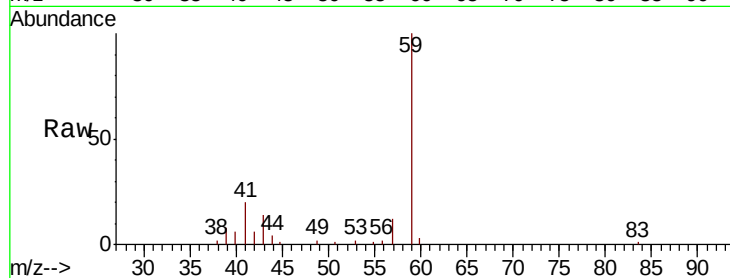


#11

Tert butyl alcohol
 Concen: 261.810 ug/l
 RT: 4.03 min Scan# 265
 Delta R.T. 0.01 min
 Lab File: VD062144.D
 Acq: 7 May 2019 20:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

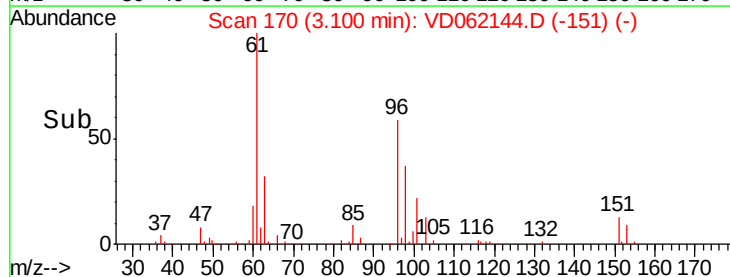
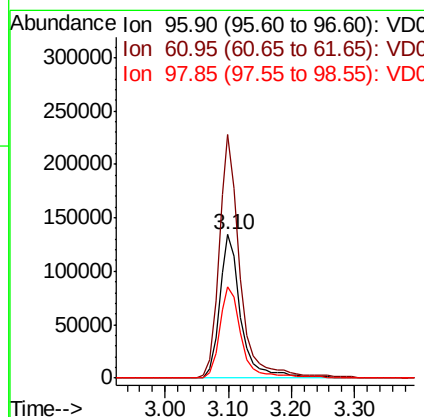
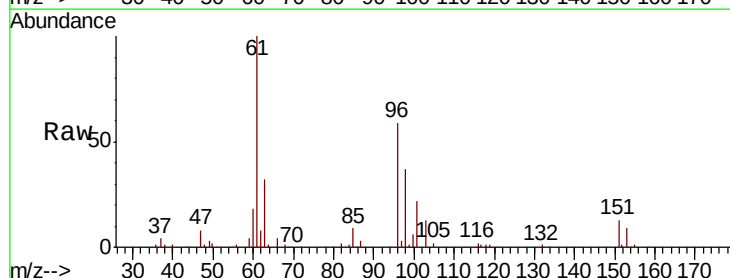
Tot Ion: 59 Resp: 102730
 Ion Ratio Lower Upper
 59 100
 57 12.0 6.9 10.3#

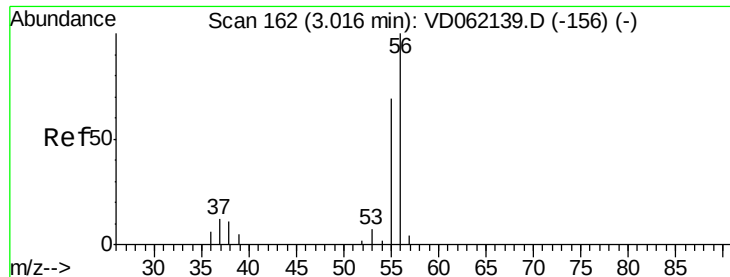


#12

1,1-Dichloroethene
 Concen: 50.599 ug/l
 RT: 3.10 min Scan# 170
 Delta R.T. -0.01 min
 Lab File: VD062144.D
 Acq: 7 May 2019 20:24

Tgt Ion: 96 Resp: 319135
 Ion Ratio Lower Upper
 96 100
 61 169.5 129.8 194.8
 98 63.3 51.2 76.8

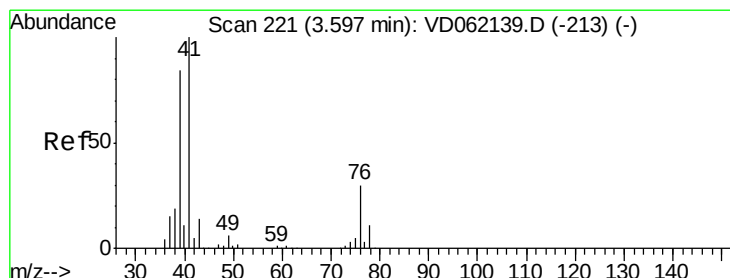
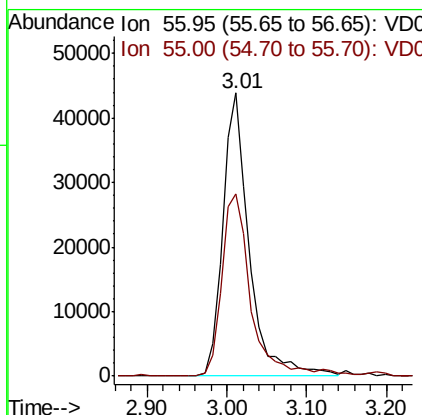
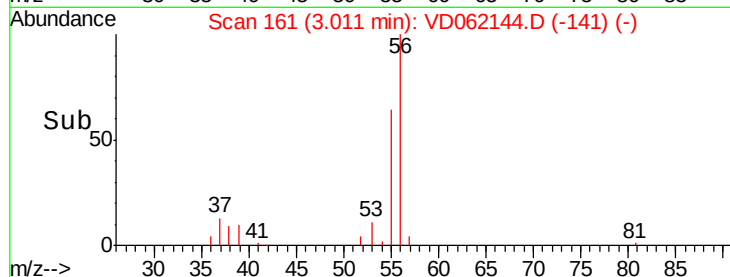
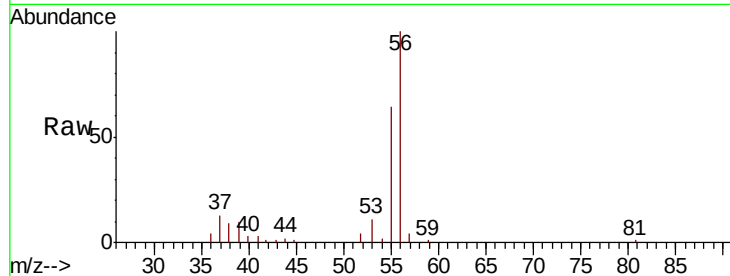




#13
Acrolein
Concen: 251.232 ug/l
RT: 3.01 min Scan# 161
Delta R.T. -0.00 min
Lab File: VD062144.D
Acq: 7 May 2019 20:24

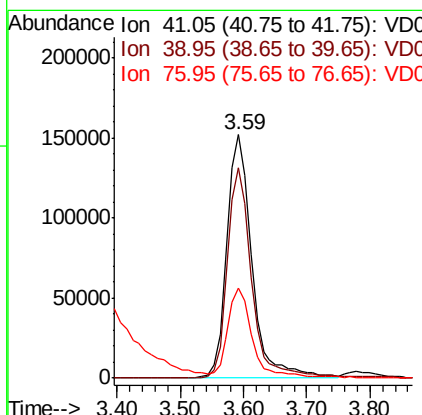
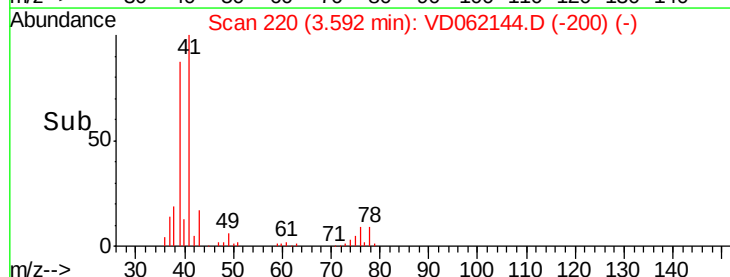
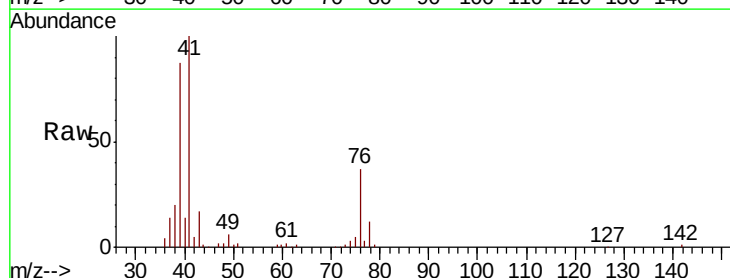
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

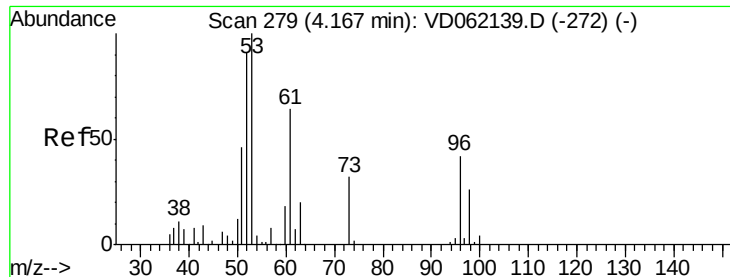
Tot Ion: 56 Resp: 101961
Ion Ratio Lower Upper
56 100
55 64.2 51.4 77.2



#14
Allyl chloride
Concen: 45.657 ug/l
RT: 3.59 min Scan# 220
Delta R.T. -0.00 min
Lab File: VD062144.D
Acq: 7 May 2019 20:24

Tgt Ion: 41 Resp: 418692
Ion Ratio Lower Upper
41 100
39 86.5 60.5 90.7
76 36.9 31.8 47.8





#15

Acrylonitrile

Concen: 250.850 ug/l

RT: 4.16 min Scan# 278

Delta R.T. -0.00 min

Lab File: VD062144.D

Acq: 7 May 2019 20:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

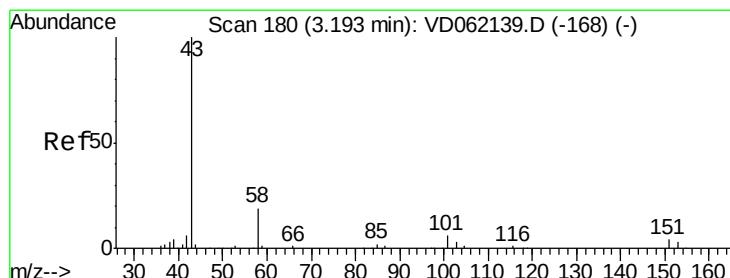
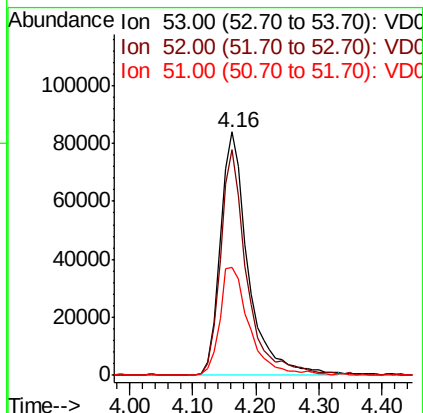
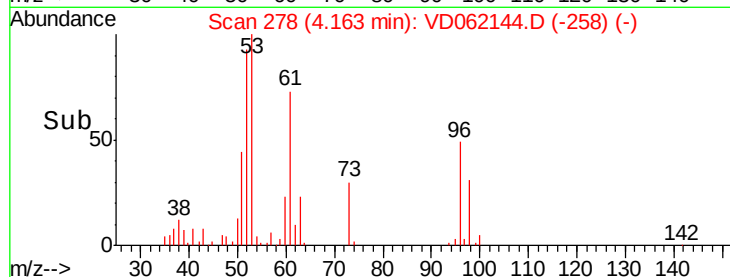
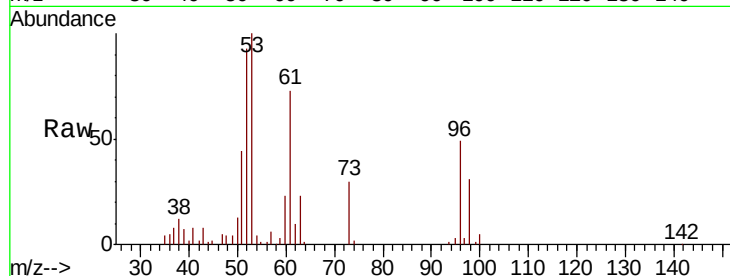
Tot Ion: 53 Resp: 258717

Ion Ratio Lower Upper

53 100

52 92.9 65.0 97.4

51 44.3 32.6 48.8



#16

Acetone

Concen: 221.868 ug/l

RT: 3.19 min Scan# 179

Delta R.T. -0.00 min

Lab File: VD062144.D

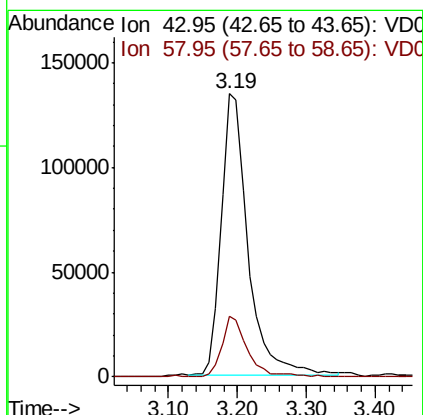
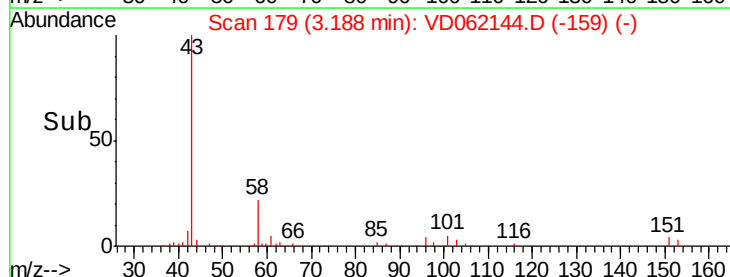
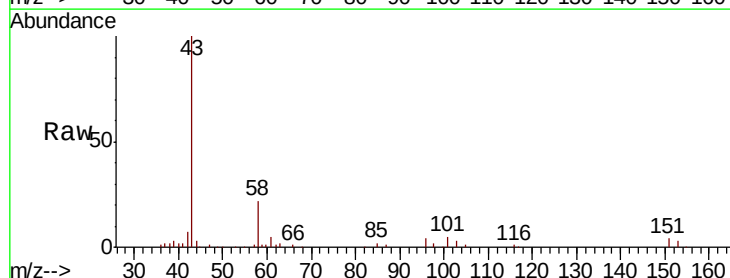
Acq: 7 May 2019 20:24

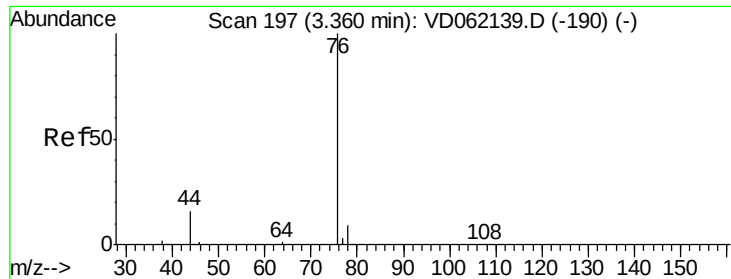
Tgt Ion: 43 Resp: 357665

Ion Ratio Lower Upper

43 100

58 21.5 19.9 29.9

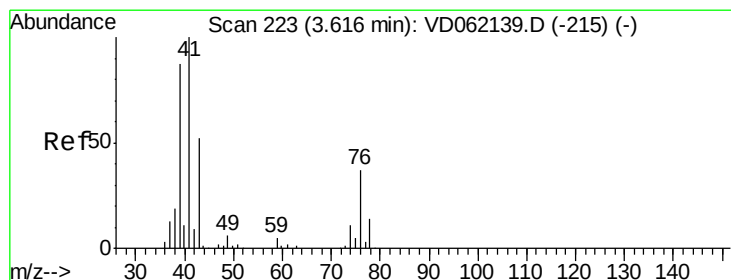
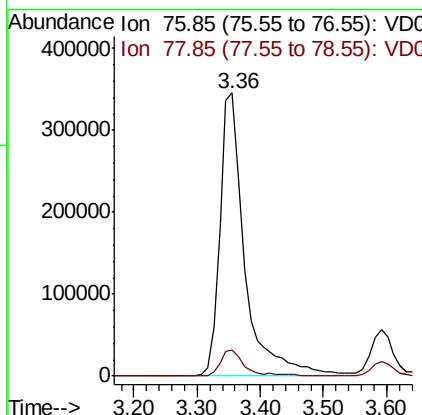
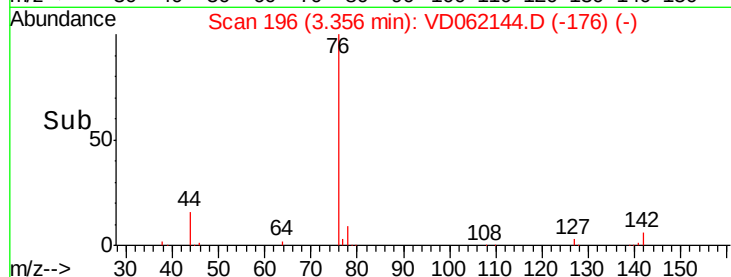
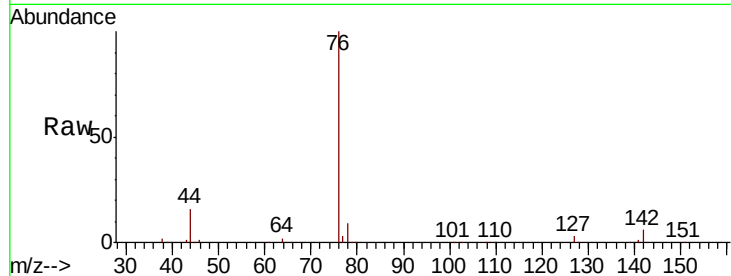




#17
Carbon Disulfide
Concen: 52.602 ug/l
RT: 3.36 min Scan# 196
Delta R.T. -0.00 min
Lab File: VD062144.D
Acq: 7 May 2019 20:24

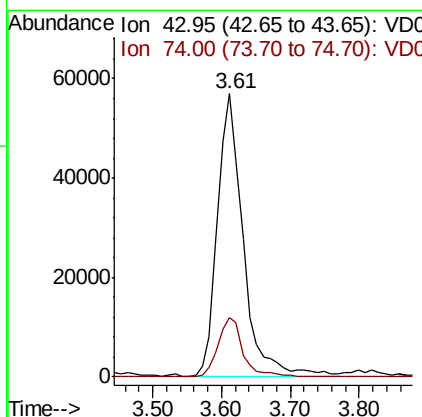
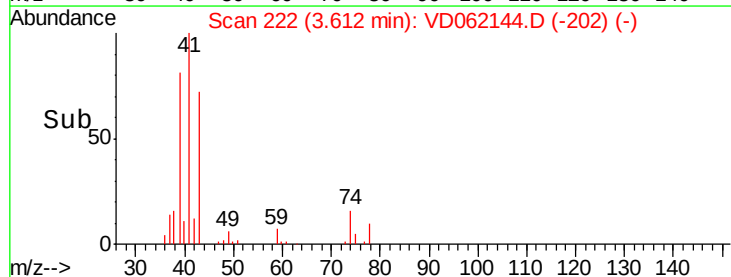
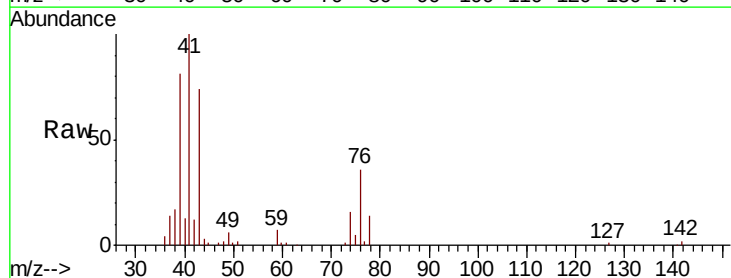
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

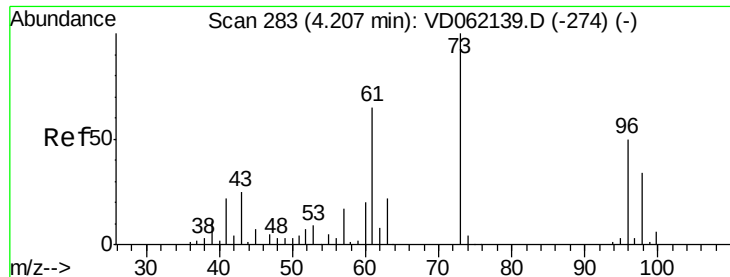
Tot Ion: 76 Resp: 954393
Ion Ratio Lower Upper
76 100
78 9.1 7.2 10.8



#18
Methyl Acetate
Concen: 51.782 ug/l
RT: 3.61 min Scan# 222
Delta R.T. -0.00 min
Lab File: VD062144.D
Acq: 7 May 2019 20:24

Tgt Ion: 43 Resp: 149263
Ion Ratio Lower Upper
43 100
74 21.0 18.0 27.0

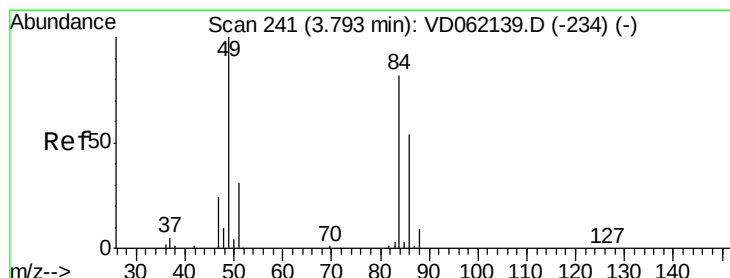
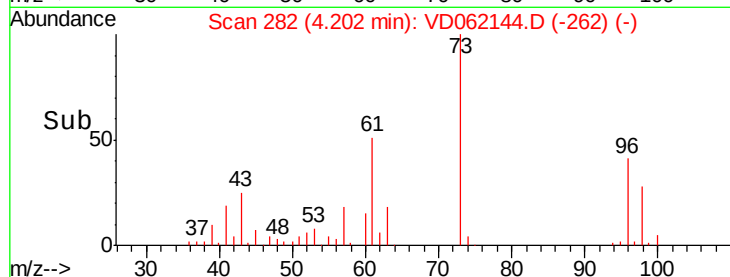
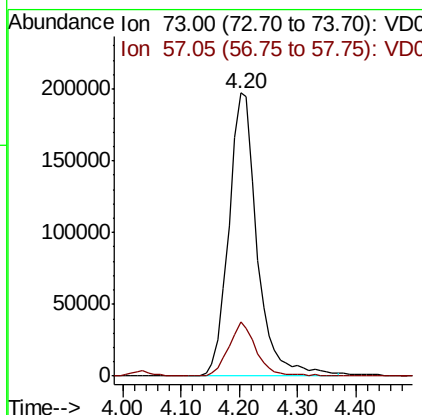
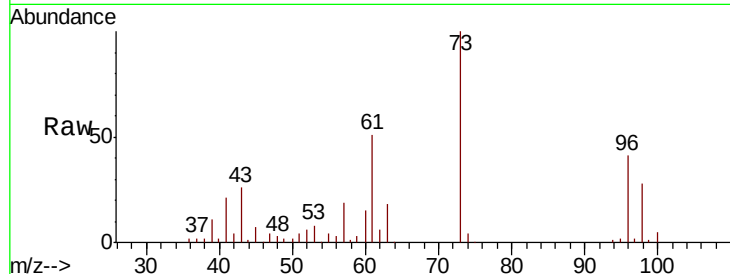




#19
Methyl tert-butyl Ether
Concen: 49.474 ug/l
RT: 4.20 min Scan# 282
Delta R.T. -0.00 min
Lab File: VD062144.D
Acq: 7 May 2019 20:24

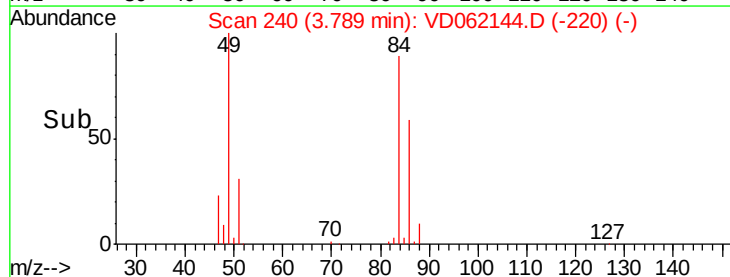
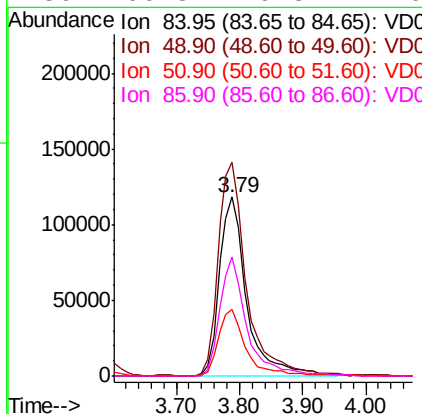
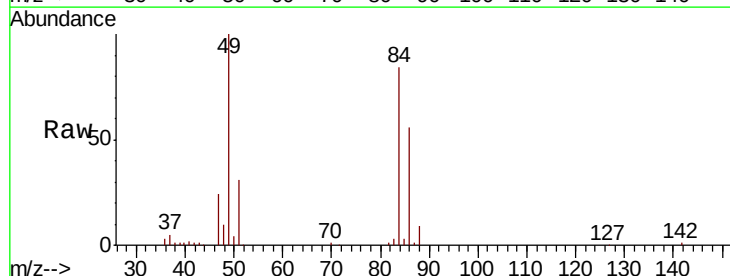
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

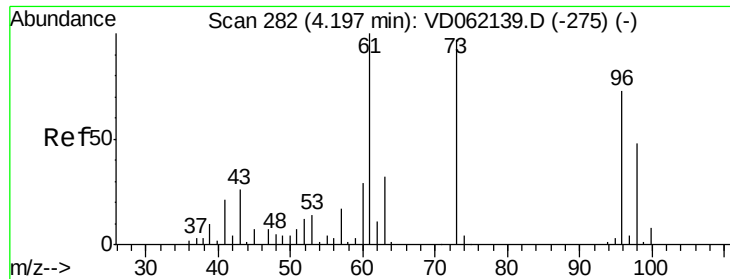
Tot Ion: 73 Resp: 668831
Ion Ratio Lower Upper
73 100
57 19.3 16.3 24.5



#20
Methylene Chloride
Concen: 53.087 ug/l
RT: 3.79 min Scan# 240
Delta R.T. -0.00 min
Lab File: VD062144.D
Acq: 7 May 2019 20:24

Tgt Ion: 84 Resp: 357328
Ion Ratio Lower Upper
84 100
49 119.5 94.0 141.0
51 37.1 29.0 43.4
86 66.3 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 48.325 ug/l

RT: 4.19 min Scan# 281

Delta R.T. -0.00 min

Lab File: VD062144.D

Acq: 7 May 2019 20:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

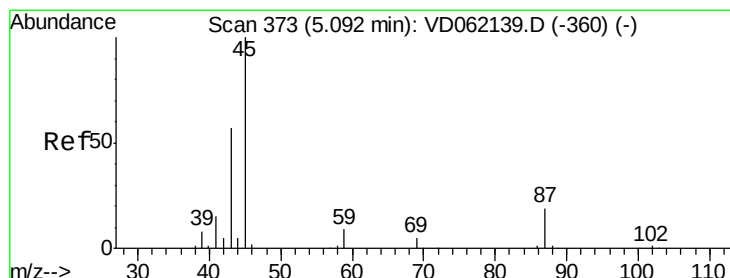
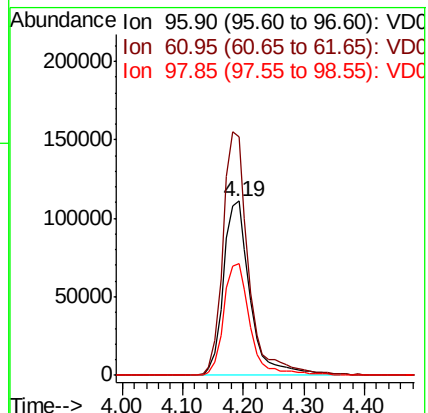
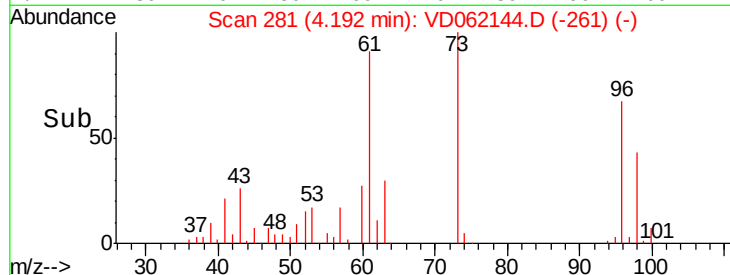
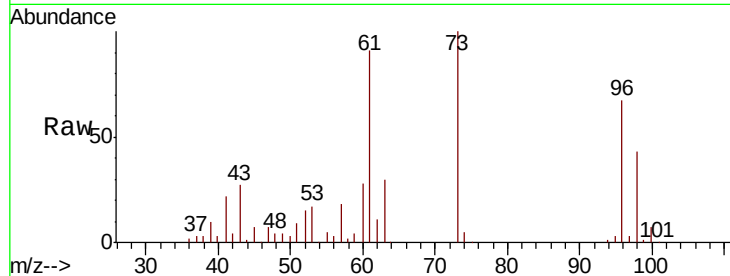
Tot Ion: 96 Resp: 339162

Ion Ratio Lower Upper

96 100

61 136.9 104.4 156.6

98 64.1 51.8 77.8



#22

Diisopropyl ether

Concen: 47.754 ug/l

RT: 5.08 min Scan# 371

Delta R.T. -0.01 min

Lab File: VD062144.D

Acq: 7 May 2019 20:24

Tgt Ion: 45 Resp: 931913

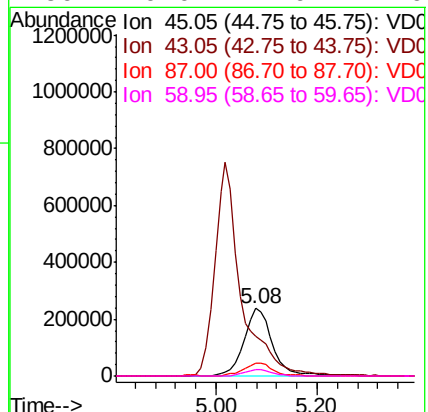
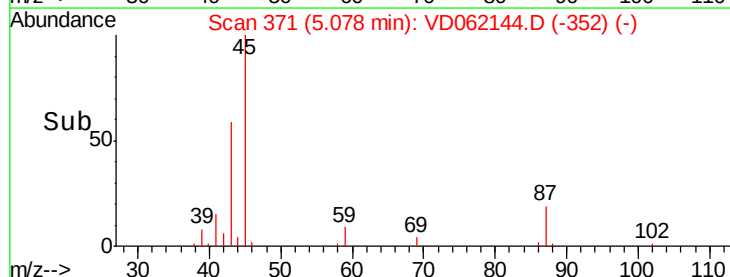
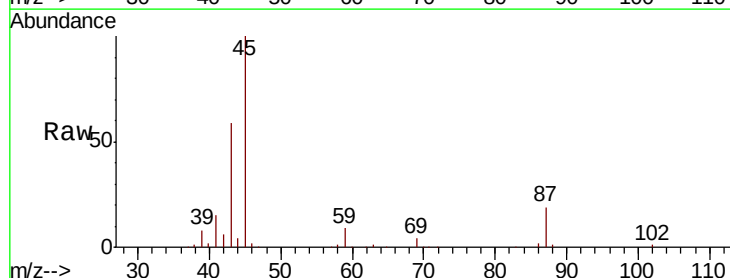
Ion Ratio Lower Upper

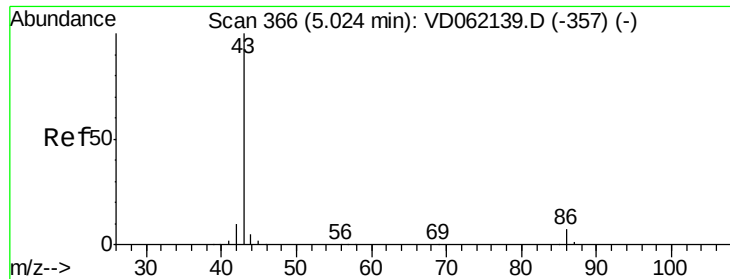
45 100

43 58.6 46.2 69.2

87 19.4 15.9 23.9

59 9.0 7.9 11.9





#23

Vinyl Acetate

Concen: 263.288 ug/l

RT: 5.02 min Scan# 365

Delta R.T. -0.00 min

Lab File: VD062144.D

Acq: 7 May 2019 20:24

Instrument :

MSVOA_D

ClientSampleId :

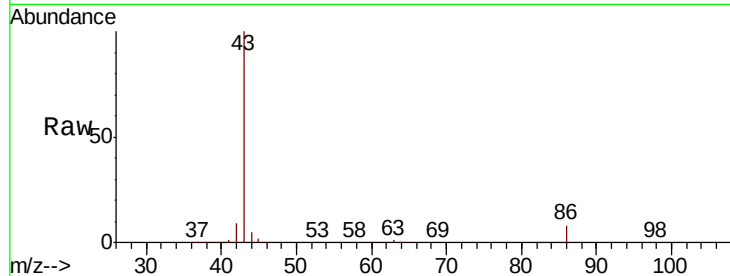
VSTDCCC050

Tot Ion: 43 Resp: 2710842

Ion Ratio Lower Upper

43 100

86 7.6 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.02

800000

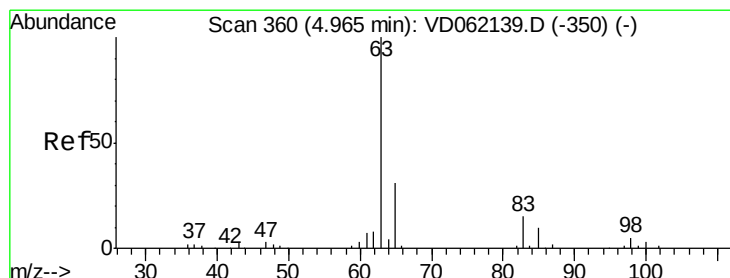
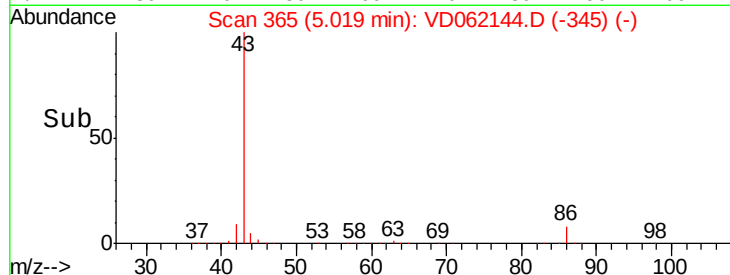
600000

400000

200000

0

Time--> 4.80 4.90 5.00 5.10 5.20



#24

1,1-Dichloroethane

Concen: 47.433 ug/l

RT: 4.95 min Scan# 358

Delta R.T. -0.01 min

Lab File: VD062144.D

Acq: 7 May 2019 20:24

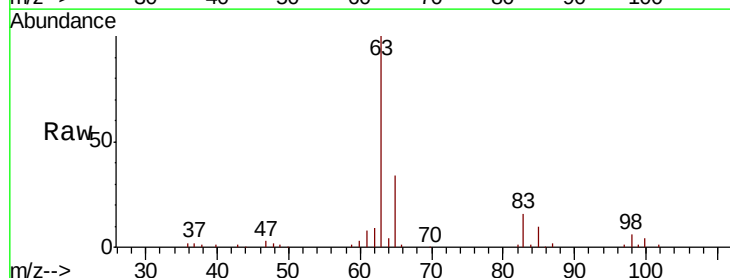
Tgt Ion: 63 Resp: 558399

Ion Ratio Lower Upper

63 100

98 5.8 2.8 8.4

100 3.9 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

4.95

200000

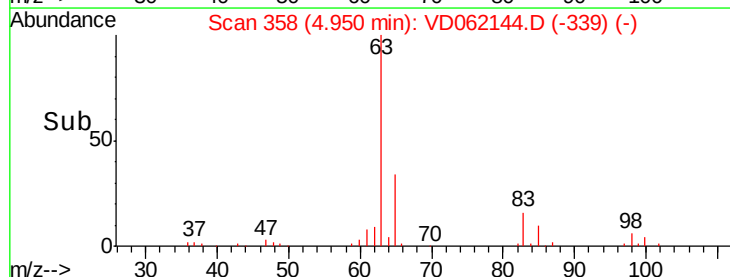
150000

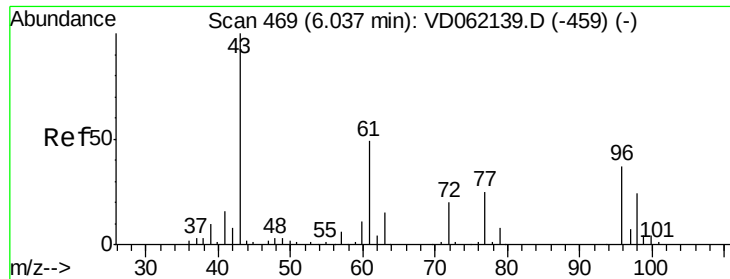
100000

50000

0

Time--> 4.80 4.90 5.00 5.10 5.20





#25

2-Butanone

Concen: 256.298 ug/l

RT: 6.03 min Scan# 468

Delta R.T. -0.00 min

Lab File: VD062144.D

Acq: 7 May 2019 20:24

Instrument :

MSVOA_D

ClientSampleId :

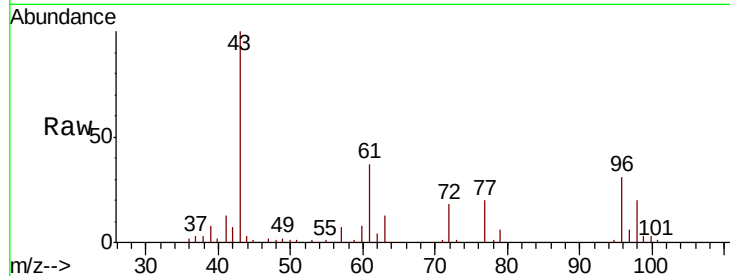
VSTDCCC050

Tot Ion: 43 Resp: 450666

Ion Ratio Lower Upper

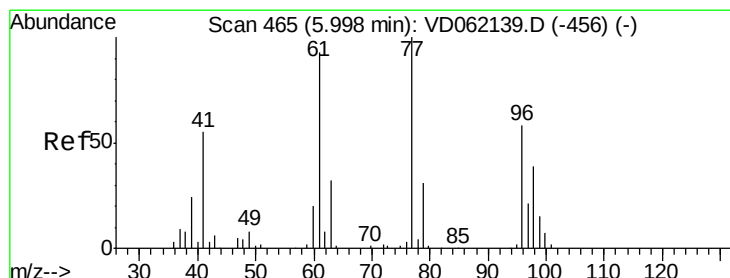
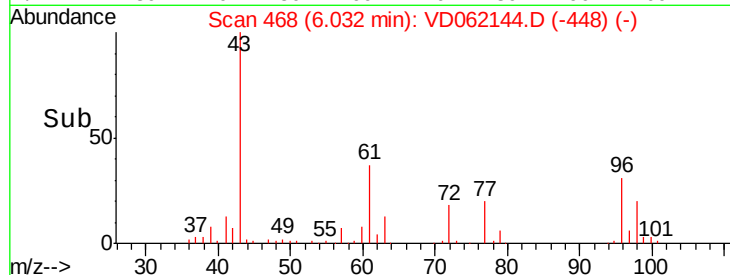
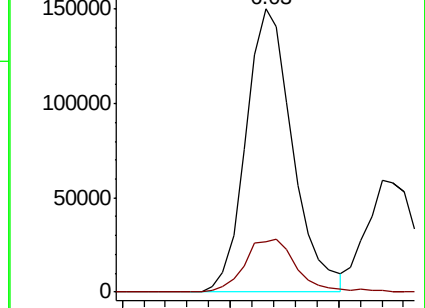
43 100

72 18.0 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: 44.548 ug/l

RT: 5.99 min Scan# 464

Delta R.T. -0.00 min

Lab File: VD062144.D

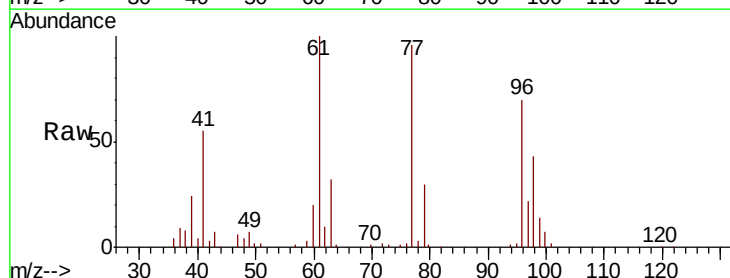
Acq: 7 May 2019 20:24

Tgt Ion: 77 Resp: 522404

Ion Ratio Lower Upper

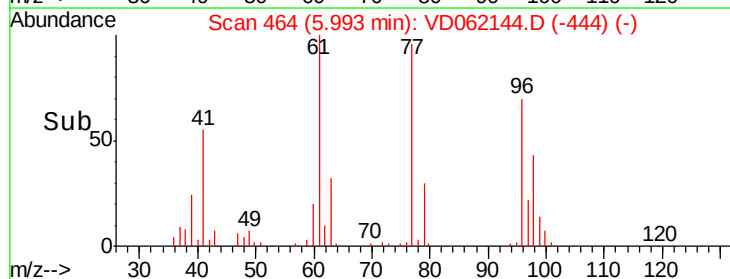
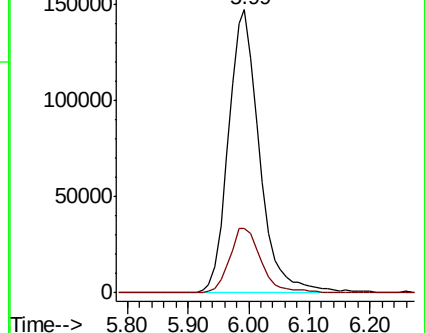
77 100

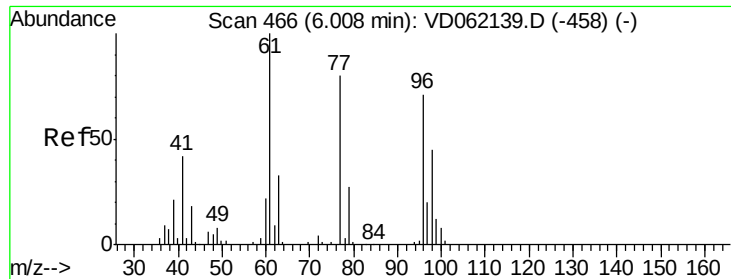
97 22.8 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



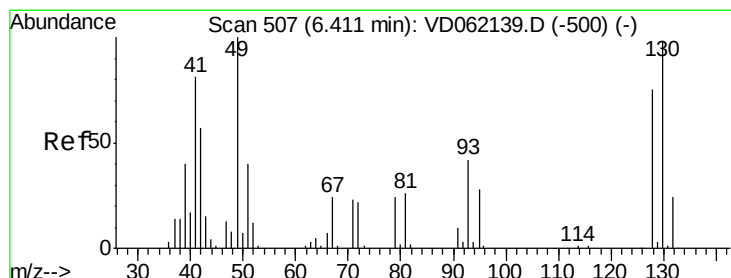
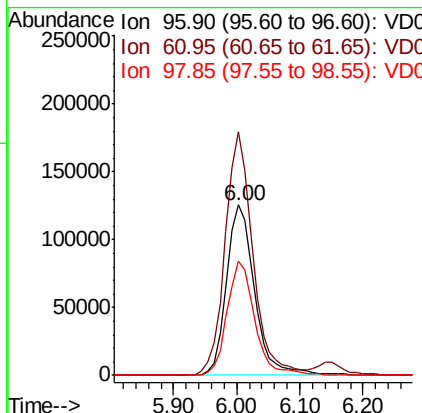
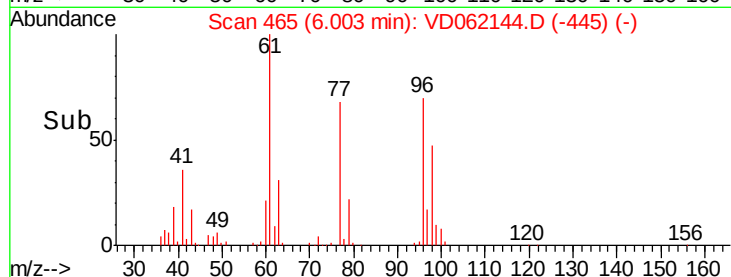
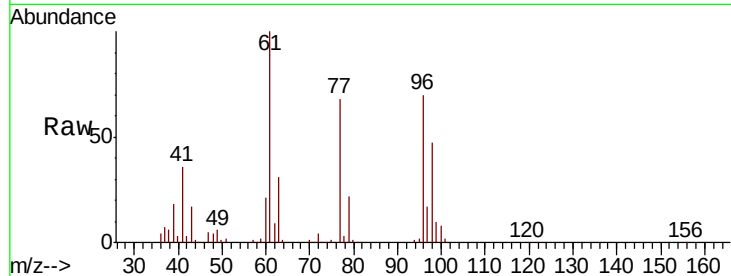


#27

cis-1,2-Dichloroethene
Concen: 49.277 ug/l
RT: 6.00 min Scan# 465
Delta R.T. -0.00 min
Lab File: VD062144.D
Acq: 7 May 2019 20:24

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

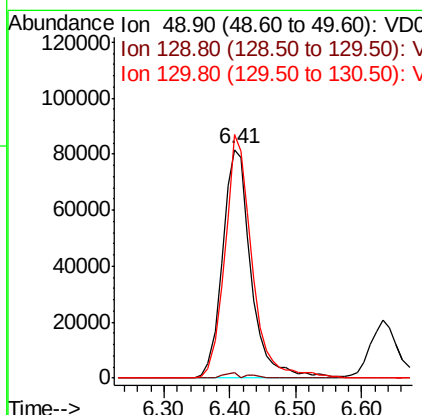
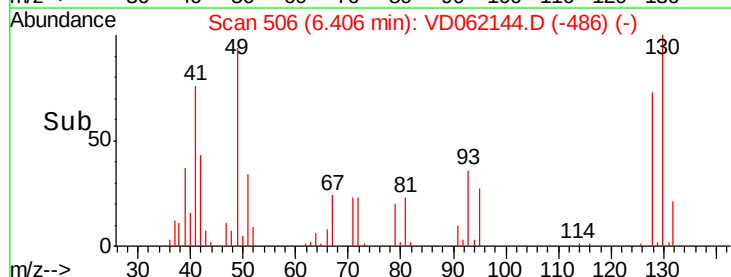
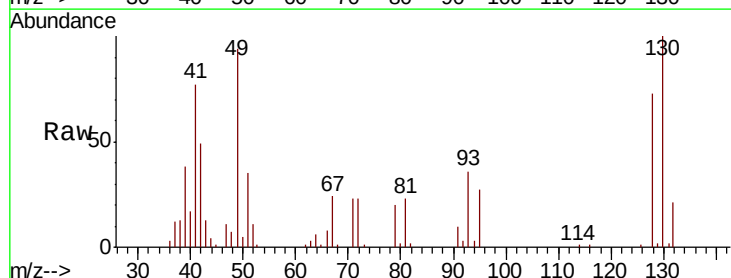
Tot Ion: 96 Resp: 387109
Ion Ratio Lower Upper
96 100
61 143.0 0.0 279.8
98 67.3 0.0 136.0

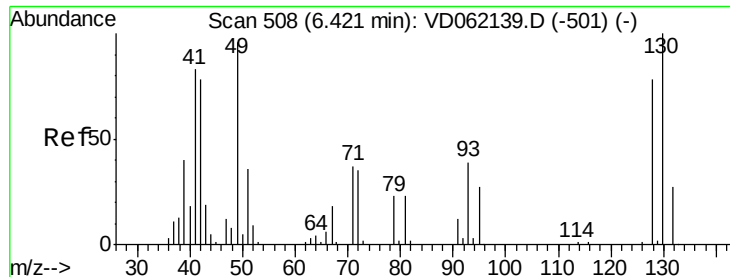


#28

Bromochloromethane
Concen: 53.259 ug/l
RT: 6.41 min Scan# 506
Delta R.T. -0.00 min
Lab File: VD062144.D
Acq: 7 May 2019 20:24

Tgt Ion: 49 Resp: 246679
Ion Ratio Lower Upper
49 100
129 2.4 0.0 6.6
130 106.5 86.7 130.1

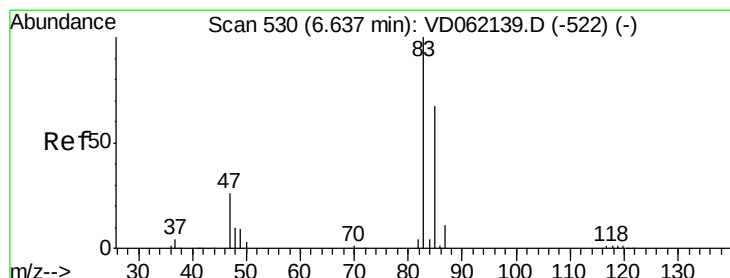
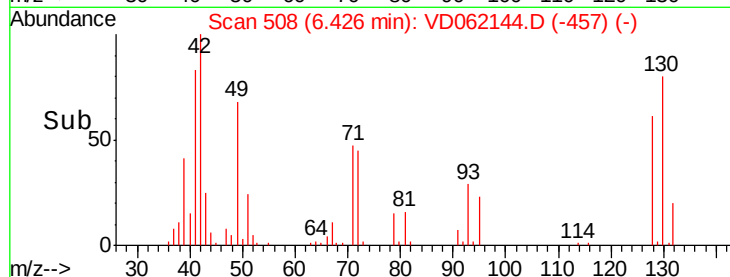
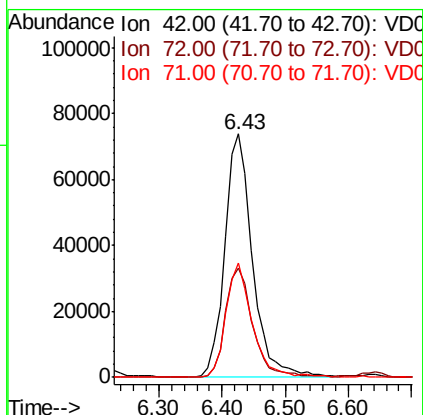
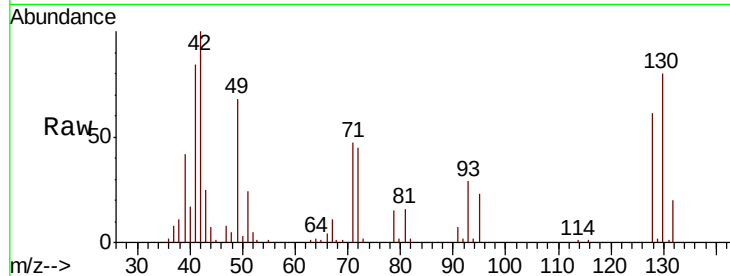




#29
Tetrahydrofuran
Concen: 276.075 ug/l
RT: 6.43 min Scan# 508
Delta R.T. 0.01 min
Lab File: VD062144.D
Acq: 7 May 2019 20:24

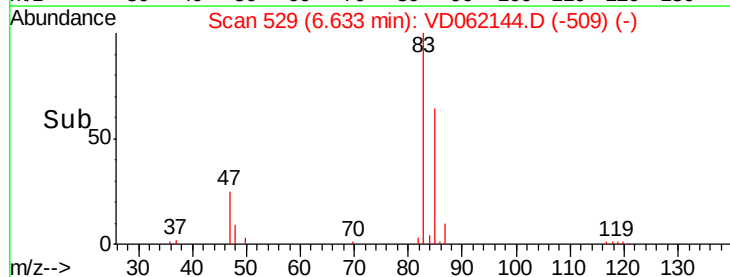
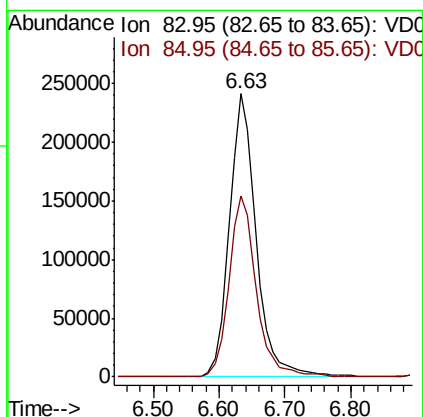
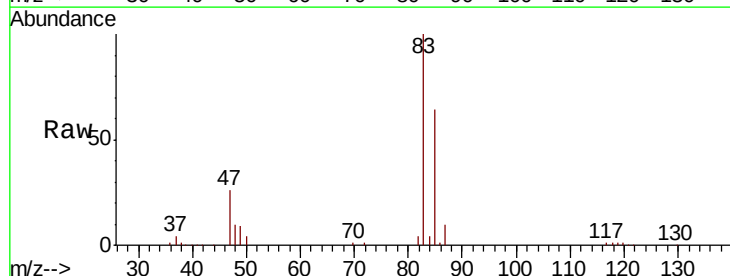
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

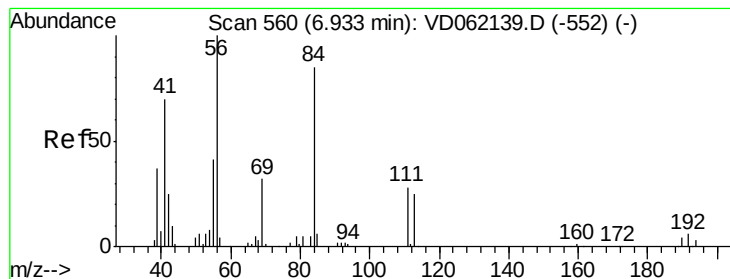
Tot Ion: 42 Resp: 223672
Ion Ratio Lower Upper
42 100
72 44.6 37.8 56.6
71 44.8 36.7 55.1



#30
Chloroform
Concen: 48.367 ug/l
RT: 6.63 min Scan# 529
Delta R.T. -0.00 min
Lab File: VD062144.D
Acq: 7 May 2019 20:24

Tgt Ion: 83 Resp: 686221
Ion Ratio Lower Upper
83 100
85 64.0 51.7 77.5





#31

Cyclohexane

Concen: 50.040 ug/l

RT: 6.93 min Scan# 559

Delta R.T. -0.00 min

Lab File: VD062144.D

Acq: 7 May 2019 20:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

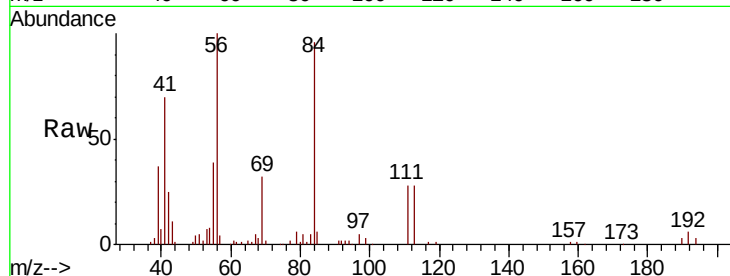
Tot Ion: 56 Resp: 403591

Ion Ratio Lower Upper

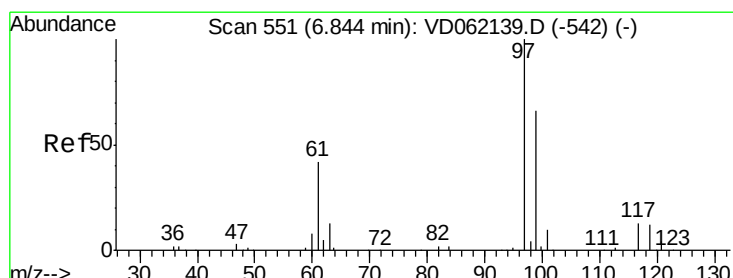
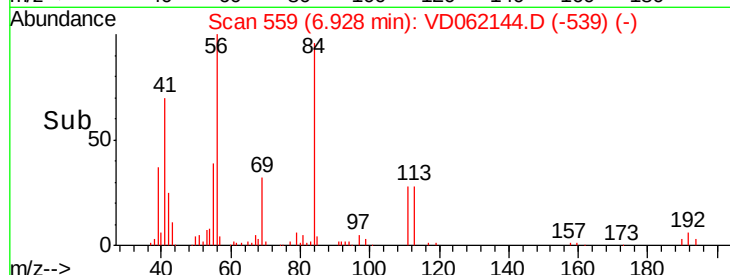
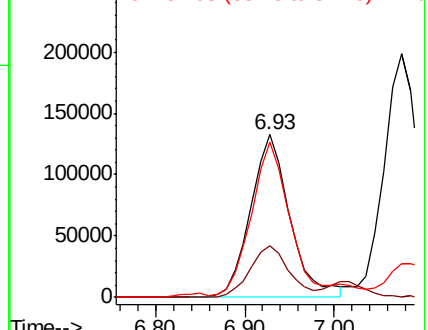
56 100

69 32.1 25.8 38.6

84 95.5 72.2 108.4



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



#32

1,1,1-Trichloroethane

Concen: 46.930 ug/l

RT: 6.84 min Scan# 550

Delta R.T. -0.00 min

Lab File: VD062144.D

Acq: 7 May 2019 20:24

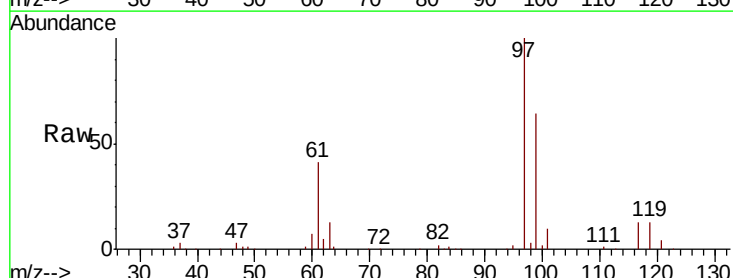
Tgt Ion: 97 Resp: 629338

Ion Ratio Lower Upper

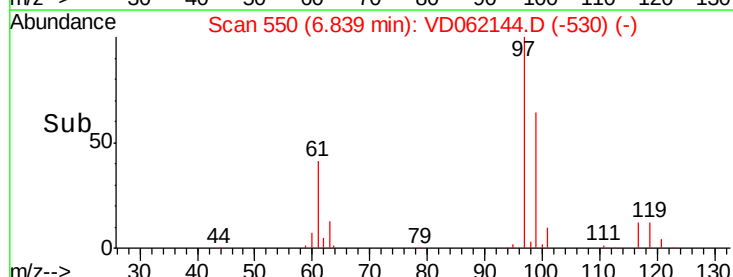
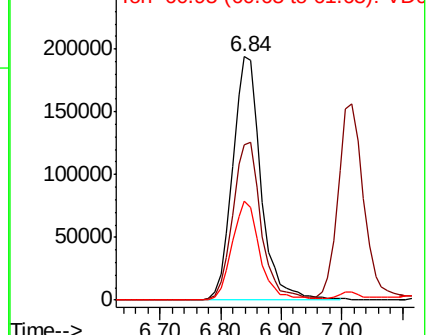
97 100

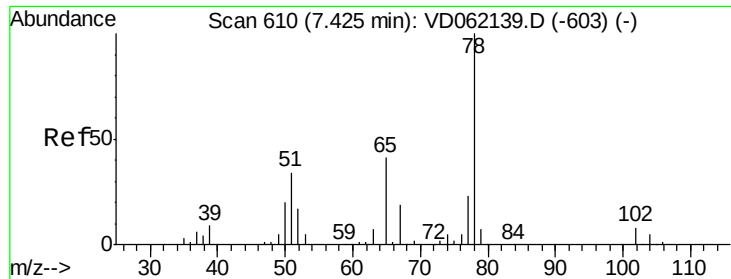
99 63.5 52.2 78.2

61 40.6 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

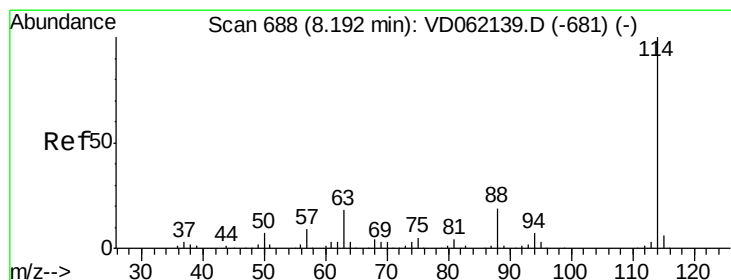
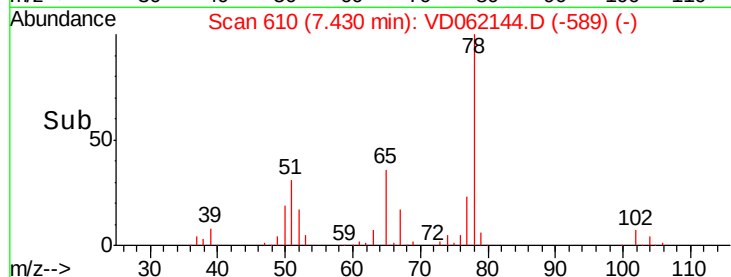
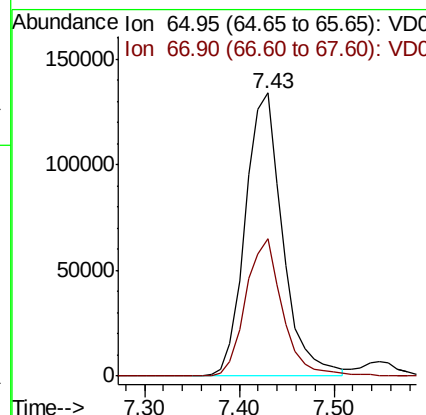
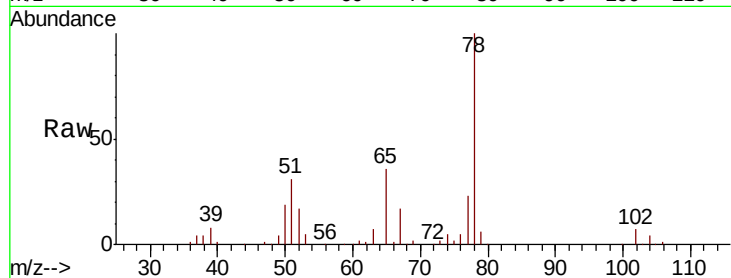




#33
 1,2-Dichloroethane-d4
 Concen: 47.629 ug/l
 RT: 7.43 min Scan# 610
 Delta R.T. 0.01 min
 Lab File: VD062144.D
 Acq: 7 May 2019 20:24

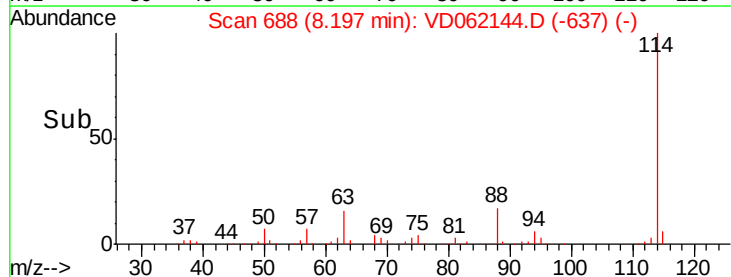
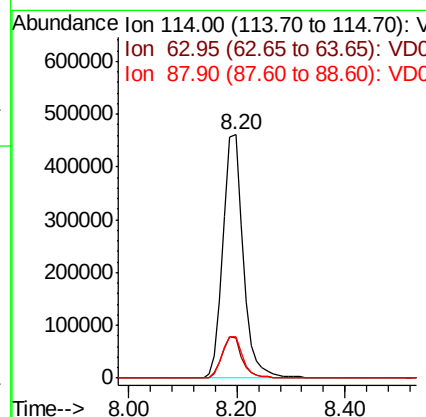
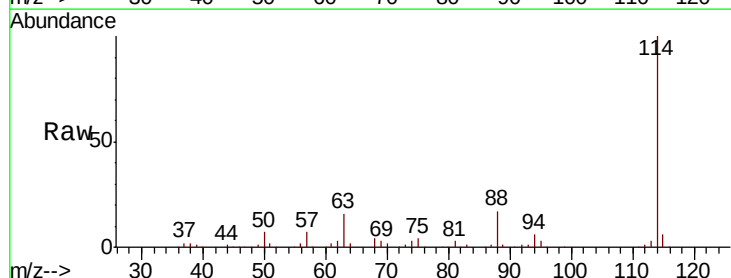
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

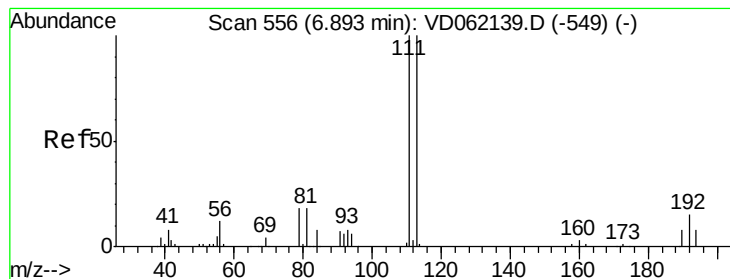
Tot Ion: 65 Resp: 366130
 Ion Ratio Lower Upper
 65 100
 67 48.6 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.20 min Scan# 688
 Delta R.T. 0.01 min
 Lab File: VD062144.D
 Acq: 7 May 2019 20:24

Tgt Ion: 114 Resp: 1191997
 Ion Ratio Lower Upper
 114 100
 63 16.3 0.0 32.4
 88 16.8 0.0 33.6





#35

Dibromofluoromethane

Concen: 48.102 ug/l

RT: 6.89 min Scan# 555

Delta R.T. -0.00 min

Lab File: VD062144.D

Acq: 7 May 2019 20:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

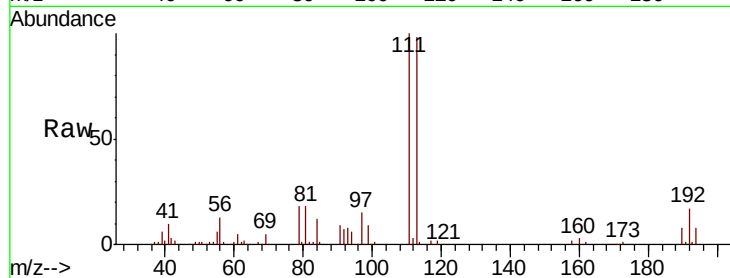
Tot Ion:113 Resp: 475733

Ion Ratio Lower Upper

113 100

111 101.8 78.5 117.7

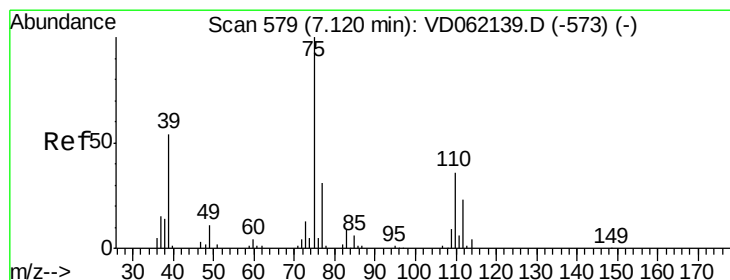
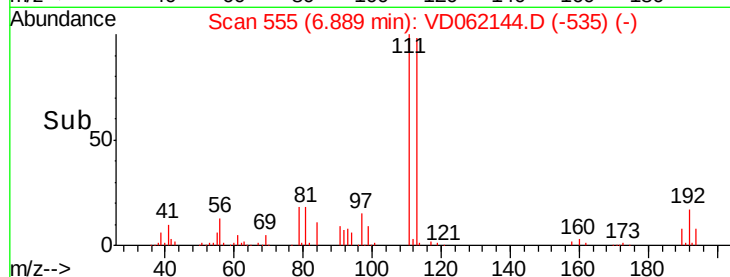
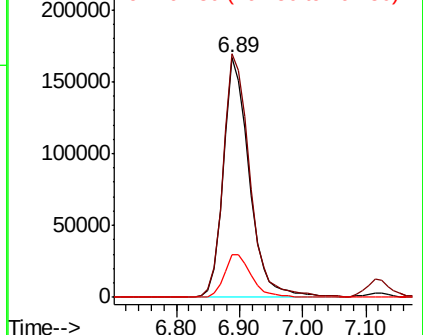
192 17.7 13.0 19.4



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: 47.865 ug/l

RT: 7.11 min Scan# 578

Delta R.T. -0.00 min

Lab File: VD062144.D

Acq: 7 May 2019 20:24

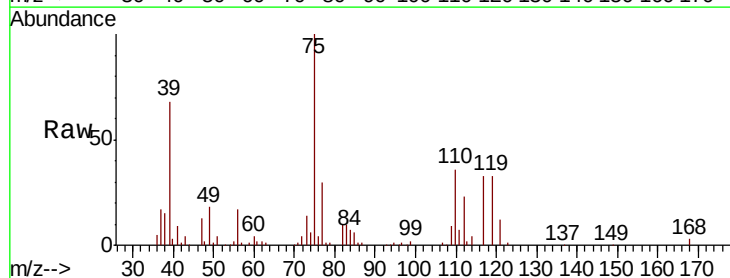
Tgt Ion: 75 Resp: 467798

Ion Ratio Lower Upper

75 100

110 35.9 19.1 57.1

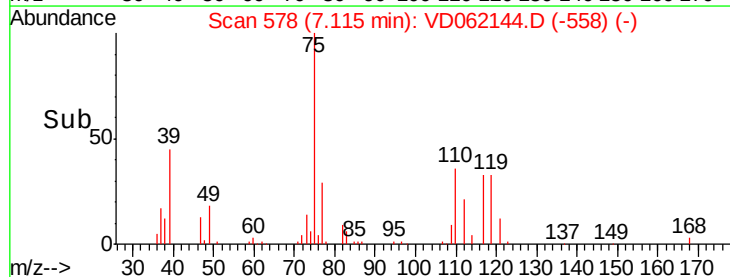
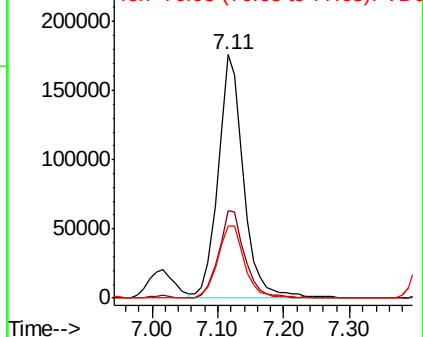
77 29.8 25.6 38.4

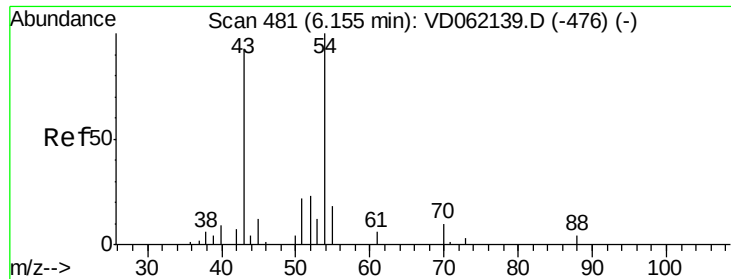


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

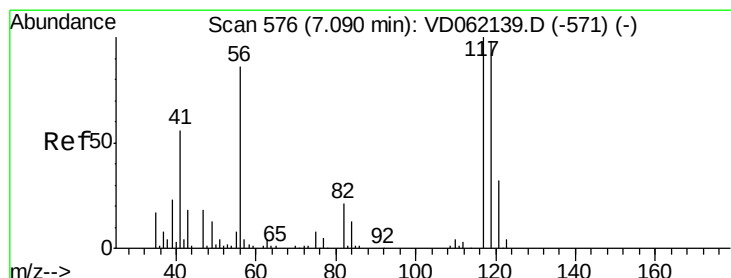
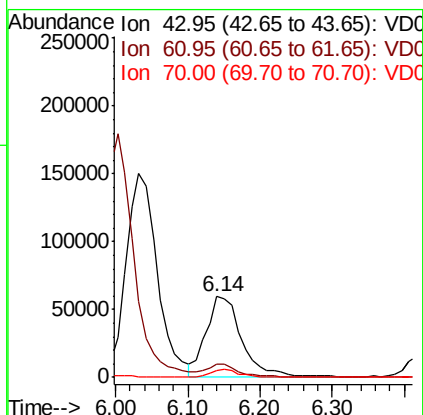
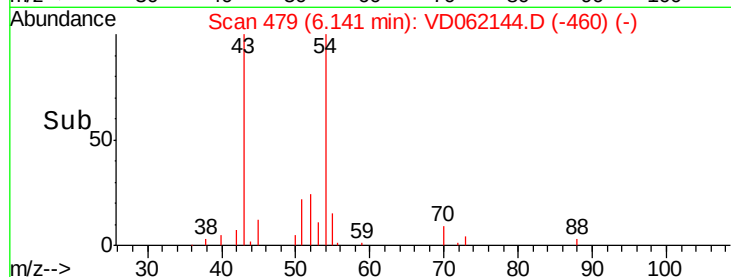
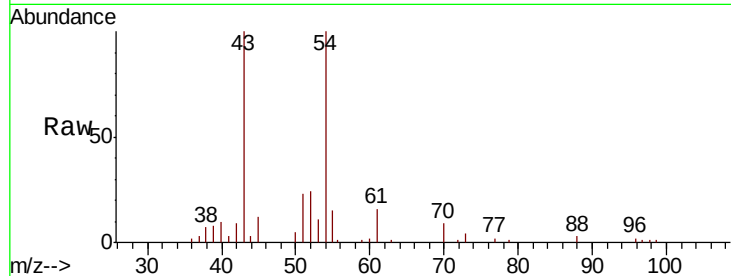




#37
Ethyl Acetate
Concen: 48.190 ug/l
RT: 6.14 min Scan# 479
Delta R.T. -0.01 min
Lab File: VD062144.D
Acq: 7 May 2019 20:24

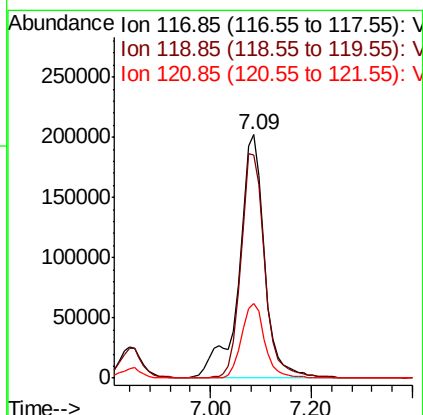
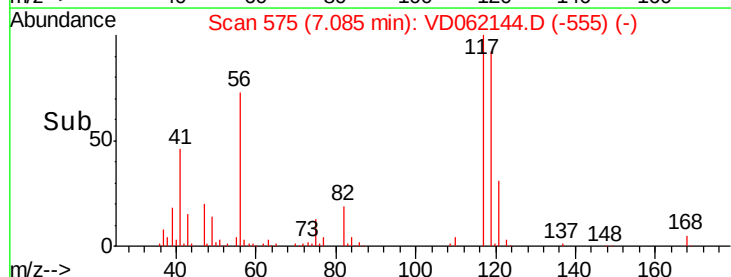
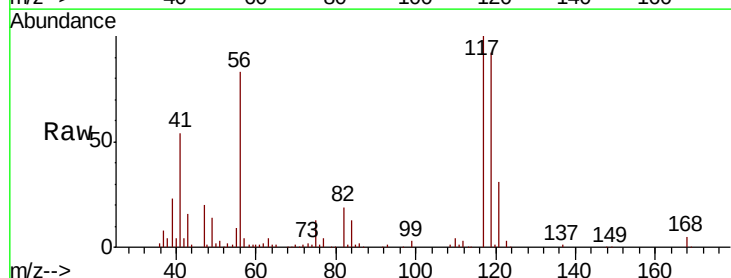
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

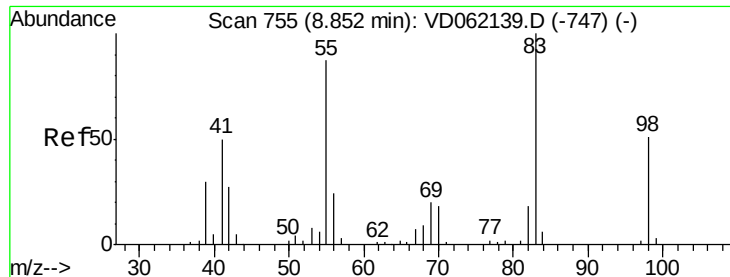
Tot Ion: 43 Resp: 199734
Ion Ratio Lower Upper
43 100
61 16.0 14.7 22.1
70 9.0 7.8 11.6



#38
Carbon Tetrachloride
Concen: 52.089 ug/l
RT: 7.09 min Scan# 575
Delta R.T. -0.00 min
Lab File: VD062144.D
Acq: 7 May 2019 20:24

Tgt Ion: 117 Resp: 704616
Ion Ratio Lower Upper
117 100
119 91.9 75.8 113.8
121 30.6 25.9 38.9

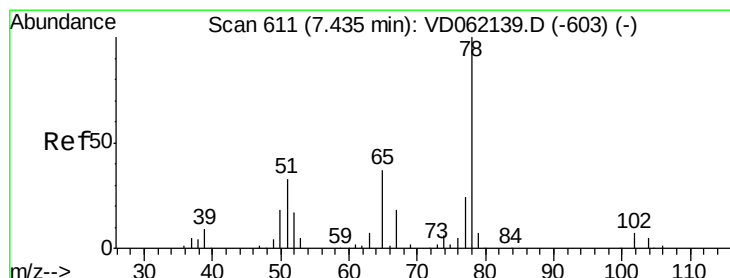
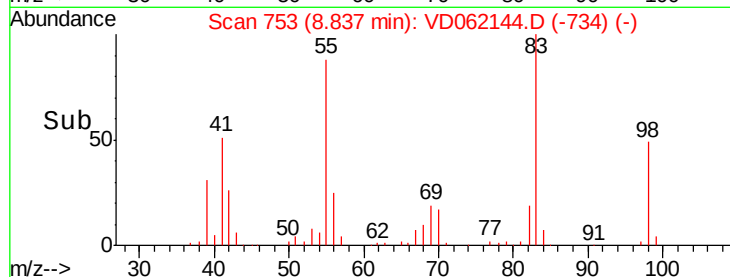
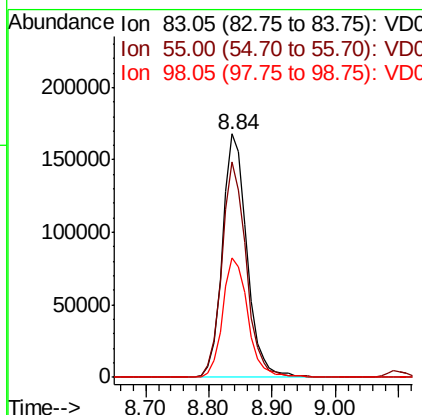
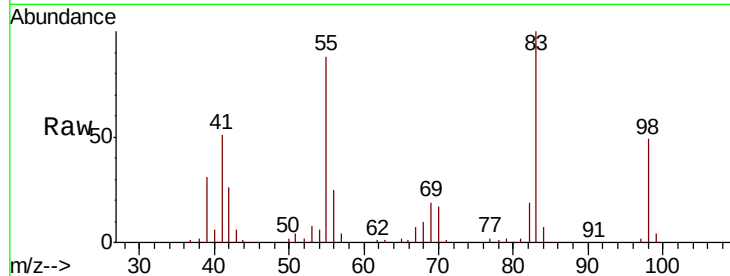




#39
Methylvlcyclohexane
Concen: 48.422 ug/l
RT: 8.84 min Scan# 753
Delta R.T. -0.01 min
Lab File: VD062144.D
Acq: 7 May 2019 20:24

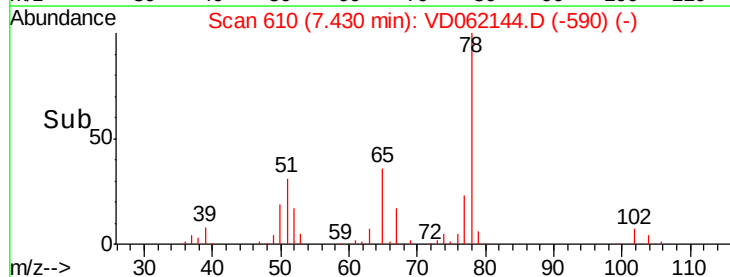
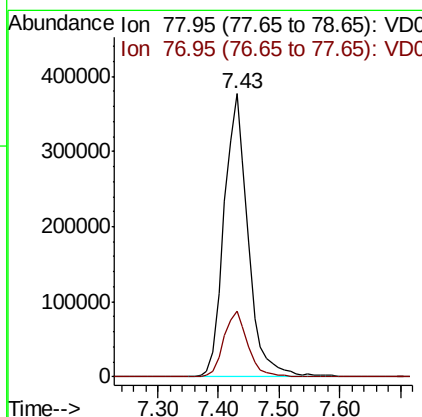
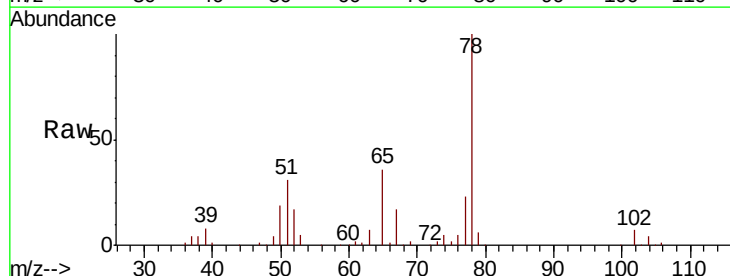
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

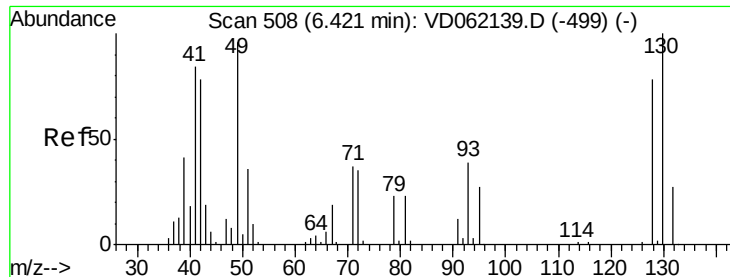
Tot Ion: 83 Resp: 453422
Ion Ratio Lower Upper
83 100
55 88.3 68.2 102.4
98 49.3 38.2 57.4



#40
Benzene
Concen: 46.915 ug/l
RT: 7.43 min Scan# 610
Delta R.T. -0.00 min
Lab File: VD062144.D
Acq: 7 May 2019 20:24

Tgt Ion: 78 Resp: 1035362
Ion Ratio Lower Upper
78 100
77 23.1 19.7 29.5

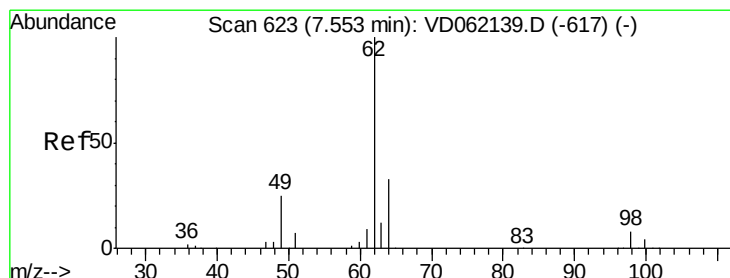
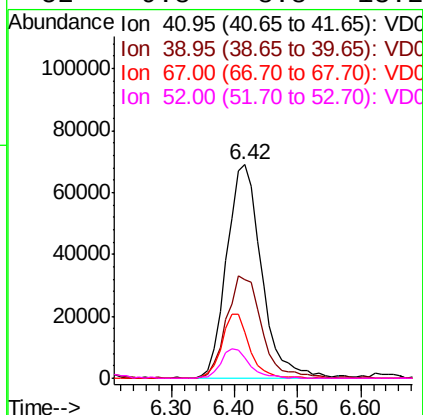
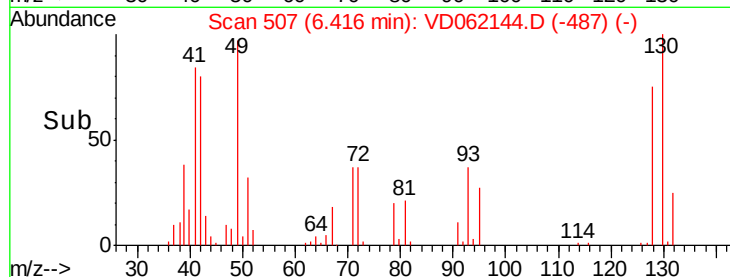
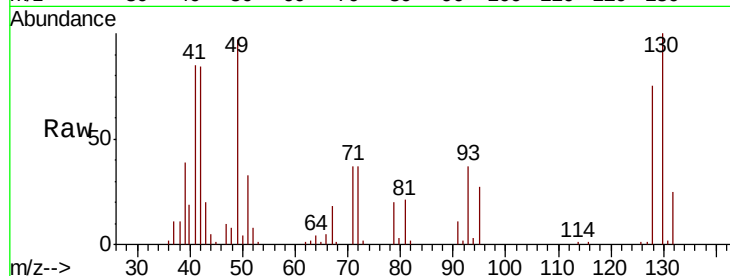




#41
Methacrylonitrile
Concen: 52.092 ug/l
RT: 6.42 min Scan# 507
Delta R.T. -0.00 min
Lab File: VD062144.D
Acq: 7 May 2019 20:24

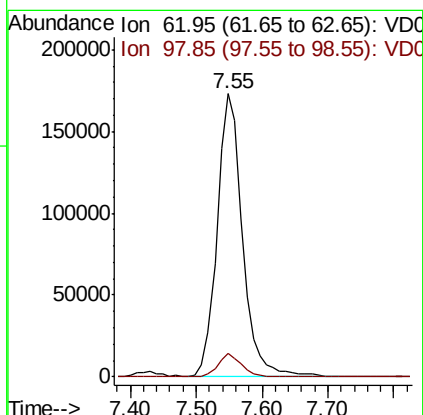
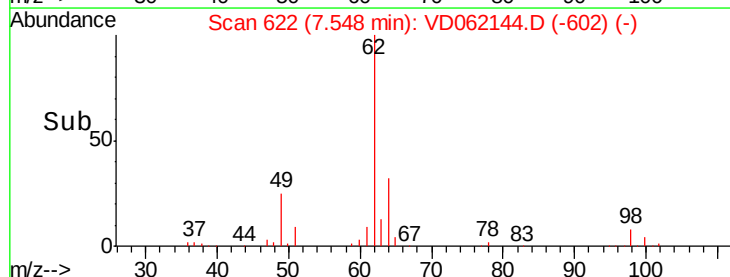
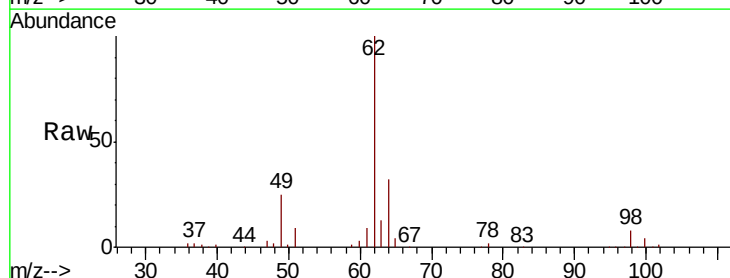
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

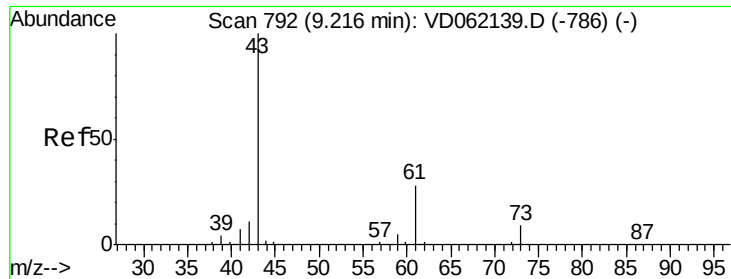
Tot Ion: 41 Resp: 263847
Ion Ratio Lower Upper
41 100
39 46.4 34.1 51.1
67 21.5 23.8 35.6#
52 9.8 8.8 13.2



#42
1,2-Dichloroethane
Concen: 49.574 ug/l
RT: 7.55 min Scan# 622
Delta R.T. -0.00 min
Lab File: VD062144.D
Acq: 7 May 2019 20:24

Tgt Ion: 62 Resp: 463531
Ion Ratio Lower Upper
62 100
98 8.2 0.0 17.8





#43

Isopropyl Acetate

Concen: 50.236 ug/l

RT: 9.21 min Scan# 791

Delta R.T. -0.00 min

Lab File: VD062144.D

Acq: 7 May 2019 20:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

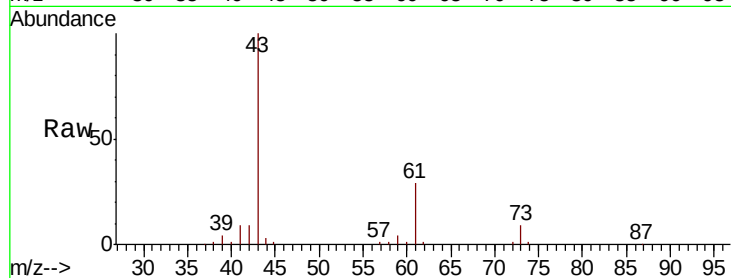
Tot Ion: 43 Resp: 295291

Ion Ratio Lower Upper

43 100

61 29.2 25.1 37.7

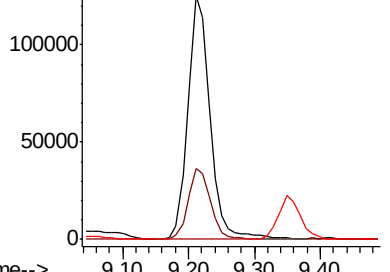
87 0.2 0.0 0.0#



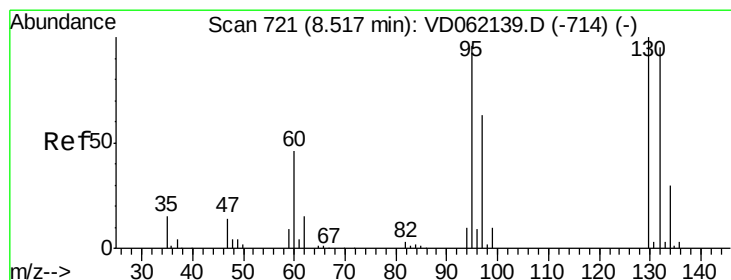
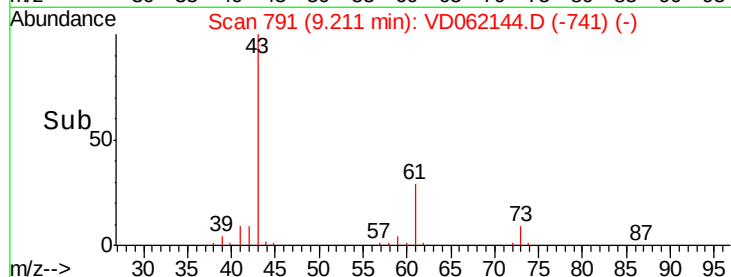
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



Time-->



#44

Trichloroethene

Concen: 47.031 ug/l

RT: 8.51 min Scan# 720

Delta R.T. -0.00 min

Lab File: VD062144.D

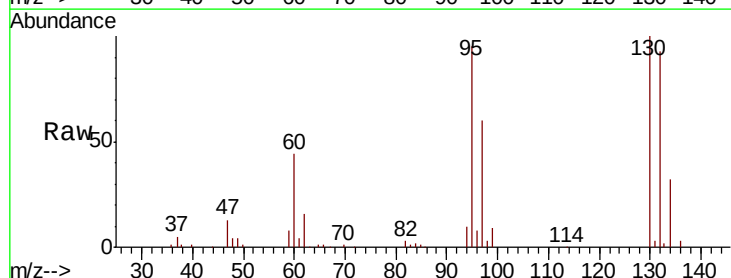
Acq: 7 May 2019 20:24

Tgt Ion:130 Resp: 395513

Ion Ratio Lower Upper

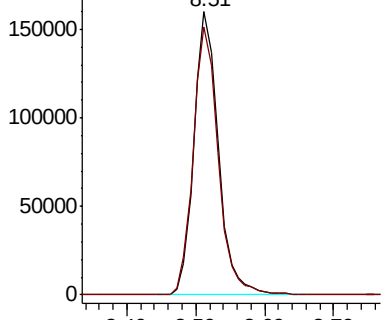
130 100

95 94.8 0.0 174.0

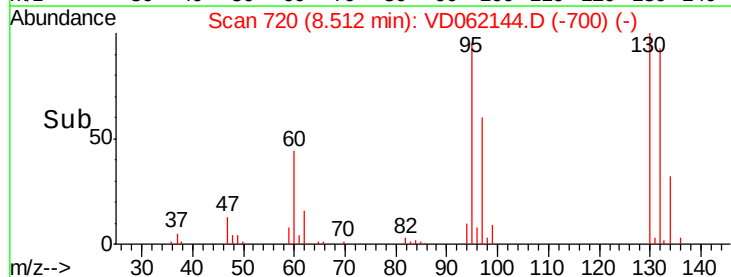


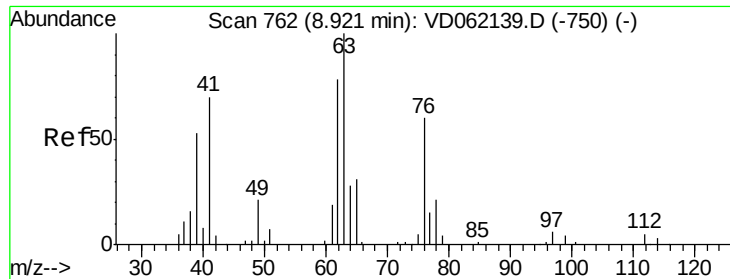
Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC



Time-->





#45

1,2-Dichloropropane

Concen: 46.067 ug/l

RT: 8.92 min Scan# 761

Delta R.T. -0.00 min

Lab File: VD062144.D

Acq: 7 May 2019 20:24

Instrument :

MSVOA_D

ClientSampleId :

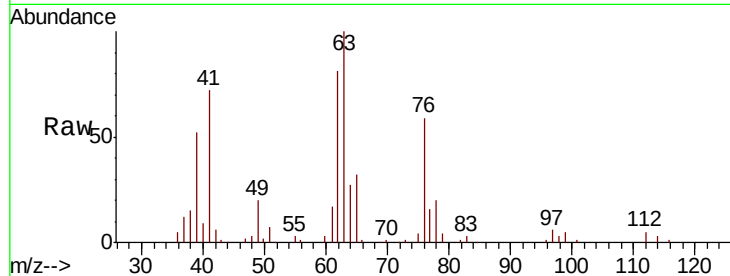
VSTDCCC050

Tot Ion: 63 Resp: 251470

Ion Ratio Lower Upper

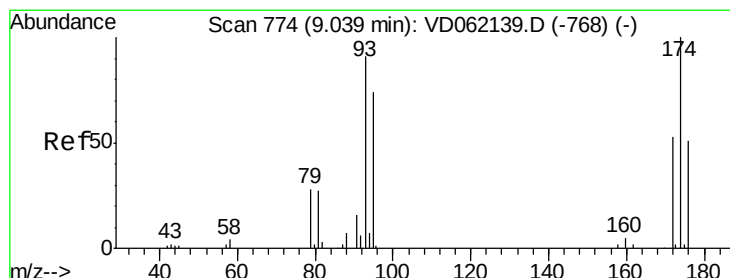
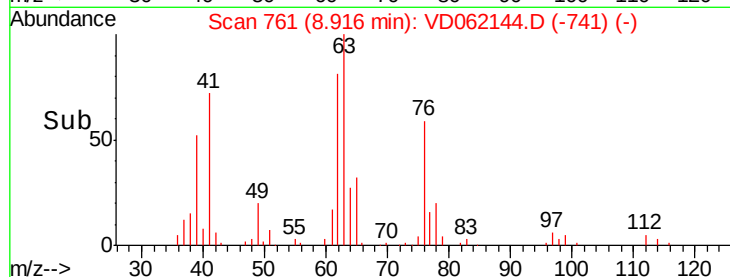
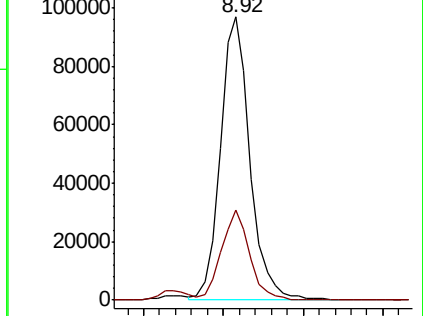
63 100

65 31.9 23.8 35.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 49.235 ug/l

RT: 9.03 min Scan# 773

Delta R.T. -0.00 min

Lab File: VD062144.D

Acq: 7 May 2019 20:24

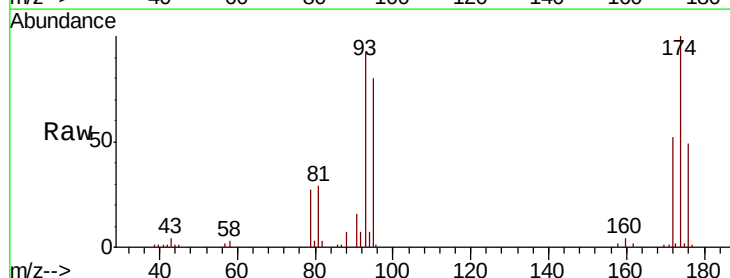
Tgt Ion: 93 Resp: 218557

Ion Ratio Lower Upper

93 100

95 86.5 64.8 97.2

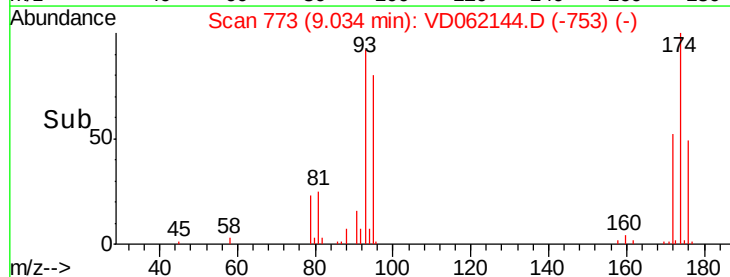
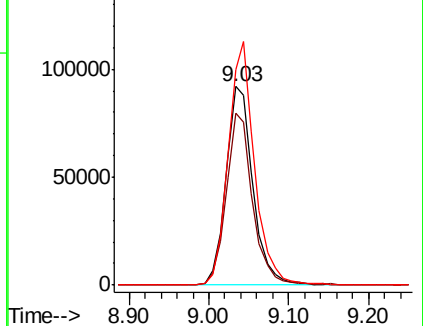
174 108.6 79.3 118.9

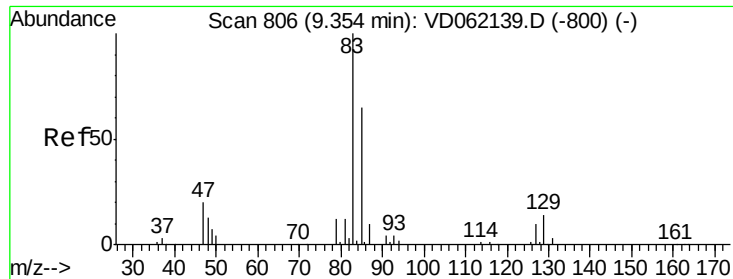


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 47.364 ug/l

RT: 9.35 min Scan# 805

Delta R.T. -0.00 min

Lab File: VD062144.D

Acq: 7 May 2019 20:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

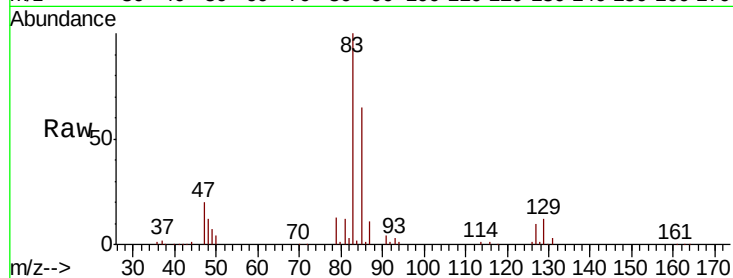
Tot Ion: 83 Resp: 514283

Ion Ratio Lower Upper

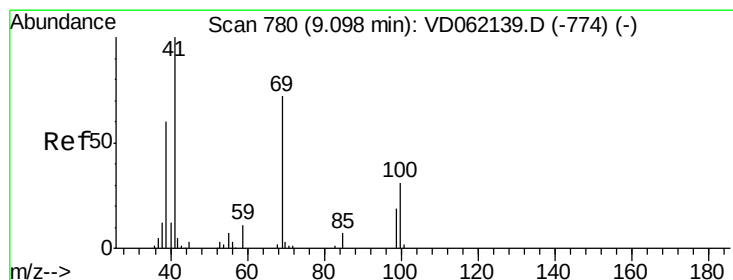
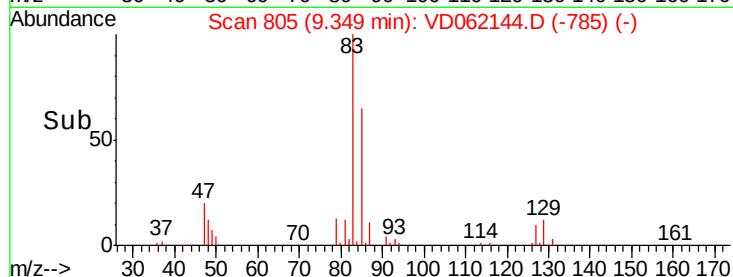
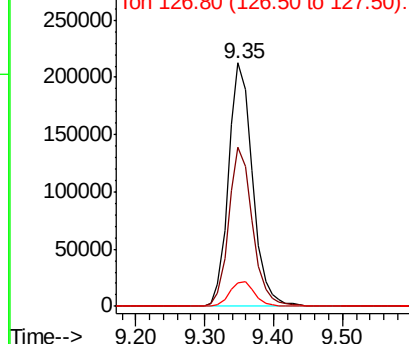
83 100

85 65.4 50.9 76.3

127 9.8 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: 51.970 ug/l

RT: 9.09 min Scan# 779

Delta R.T. -0.00 min

Lab File: VD062144.D

Acq: 7 May 2019 20:24

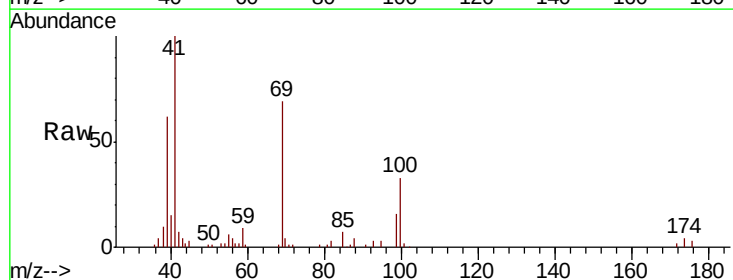
Tgt Ion: 41 Resp: 188168

Ion Ratio Lower Upper

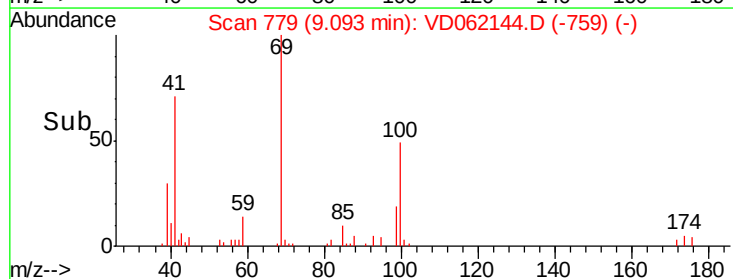
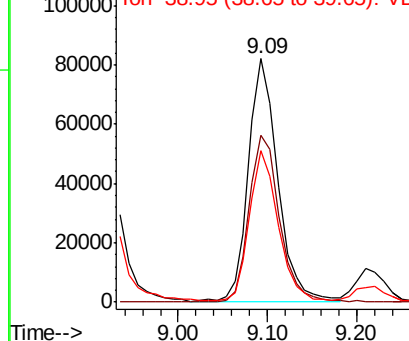
41 100

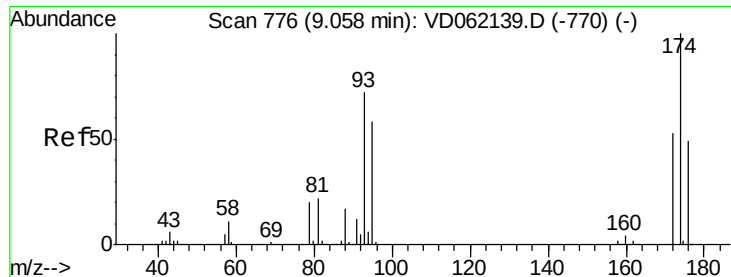
69 68.7 64.2 96.2

39 62.3 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

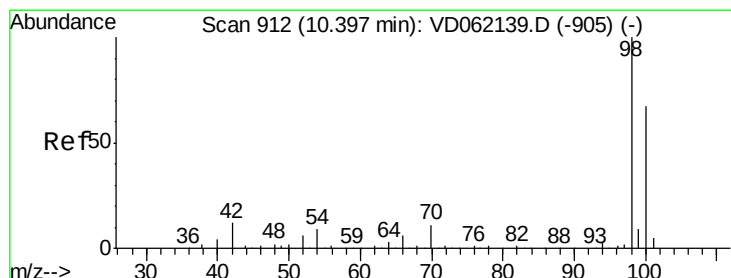
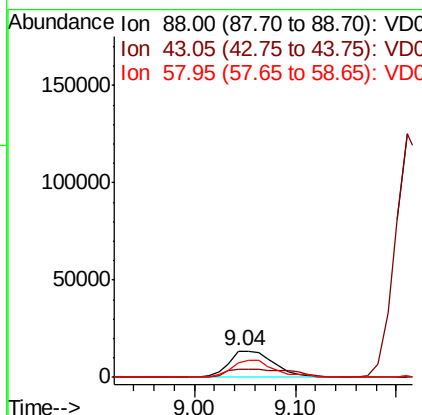
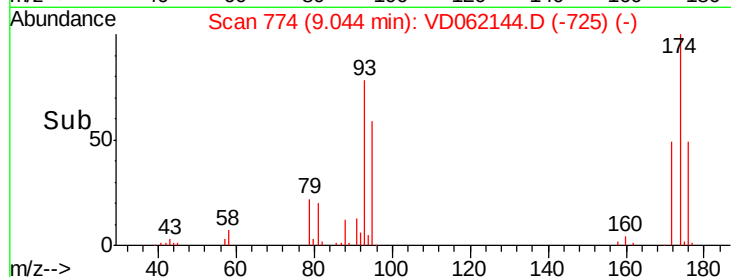
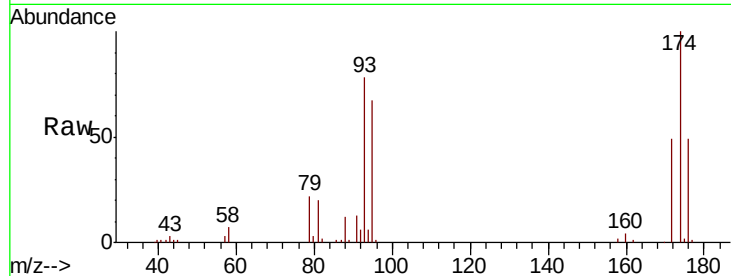




#49
1,4-Dioxane
Concen: 1051.085 ug/l
RT: 9.04 min Scan# 774
Delta R.T. -0.01 min
Lab File: VD062144.D
Acq: 7 May 2019 20:24

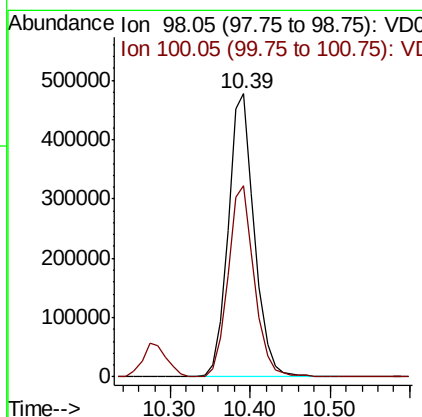
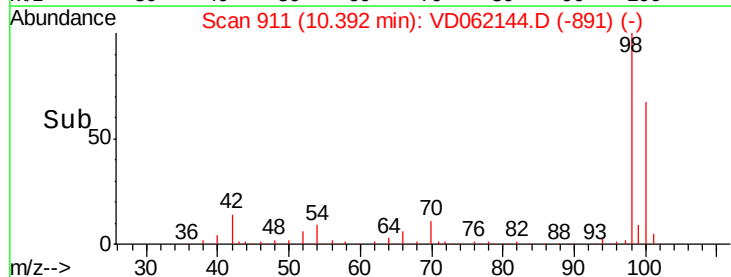
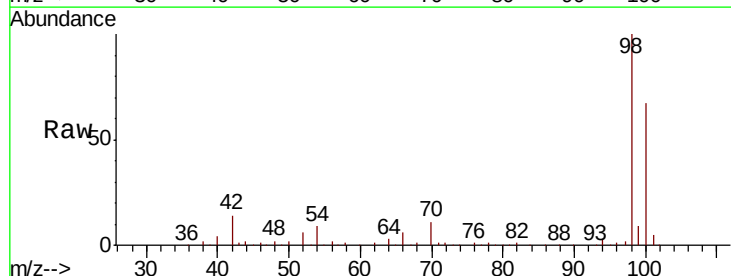
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

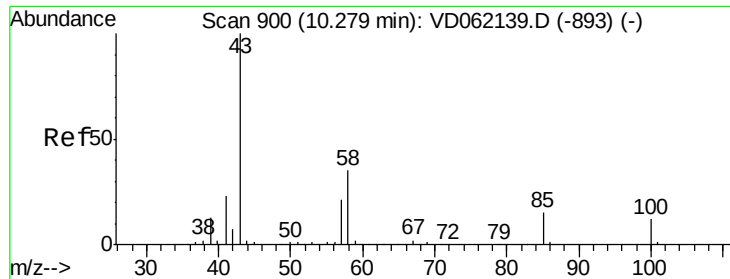
Tot Ion: 88 Resp: 41061
Ion Ratio Lower Upper
88 100
43 29.0 23.4 35.0
58 55.5 44.0 66.0



#50
Toluene-d8
Concen: 45.889 ug/l
RT: 10.39 min Scan# 911
Delta R.T. -0.00 min
Lab File: VD062144.D
Acq: 7 May 2019 20:24

Tgt Ion: 98 Resp: 1094261
Ion Ratio Lower Upper
98 100
100 67.3 53.8 80.8





#51

4-Methyl-2-Pentanone

Concen: 256.039 ug/l

RT: 10.27 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD062144.D

Acq: 7 May 2019 20:24

Instrument :

MSVOA_D

ClientSampleId :

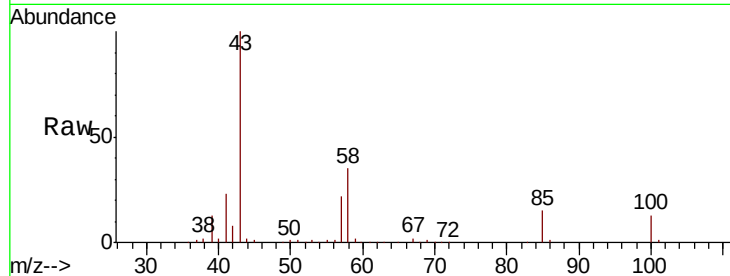
VSTDCCC050

Tot Ion: 43 Resp: 967442

Ion Ratio Lower Upper

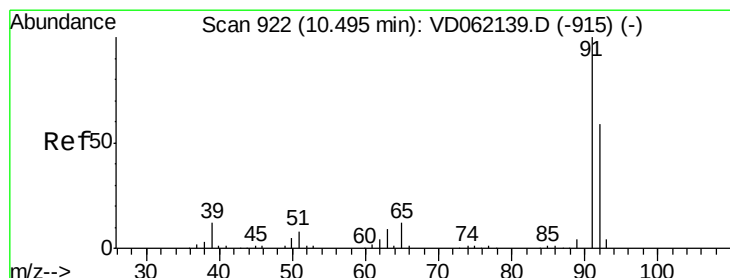
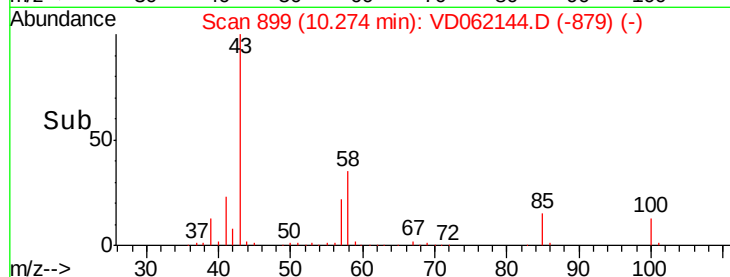
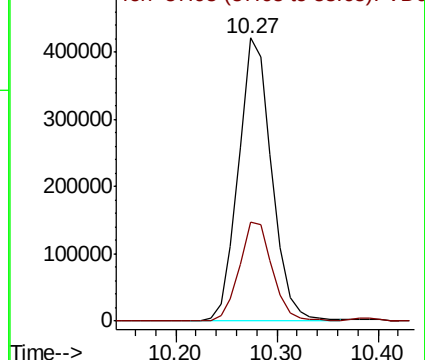
43 100

58 35.2 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: 46.820 ug/l

RT: 10.49 min Scan# 921

Delta R.T. -0.00 min

Lab File: VD062144.D

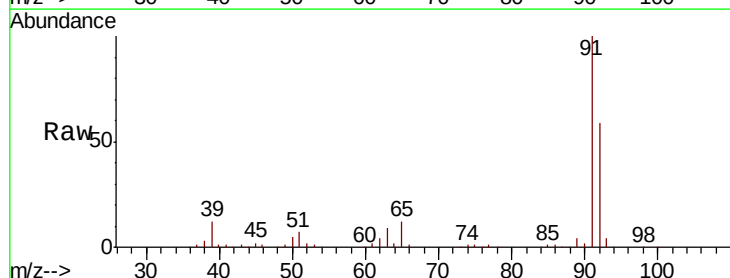
Acq: 7 May 2019 20:24

Tgt Ion: 92 Resp: 672298

Ion Ratio Lower Upper

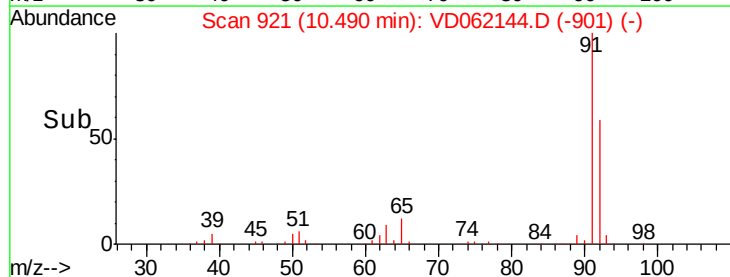
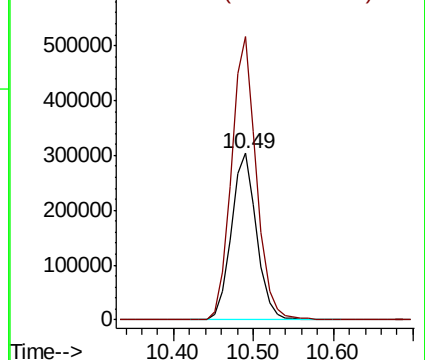
92 100

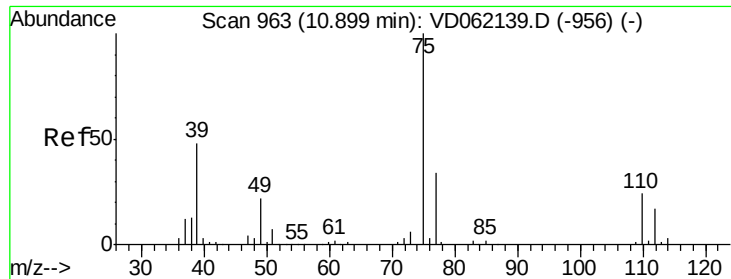
91 170.1 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

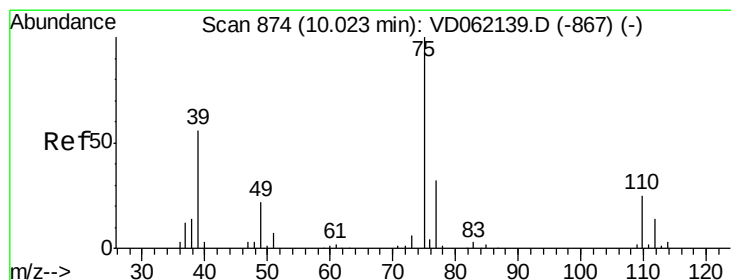
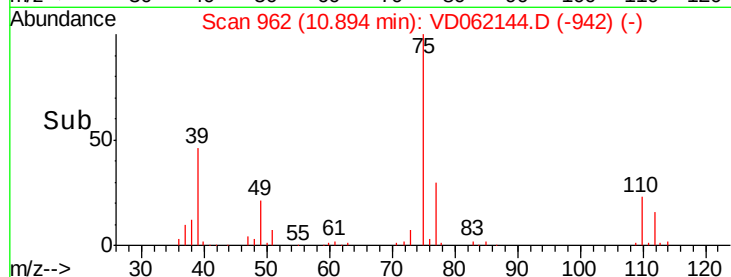
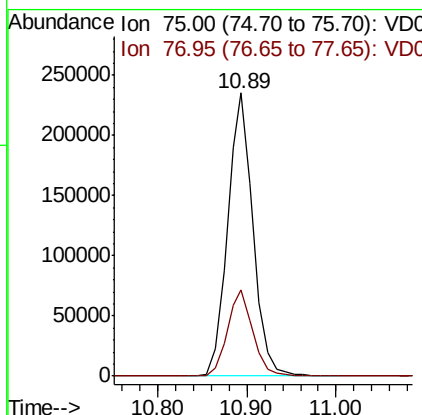
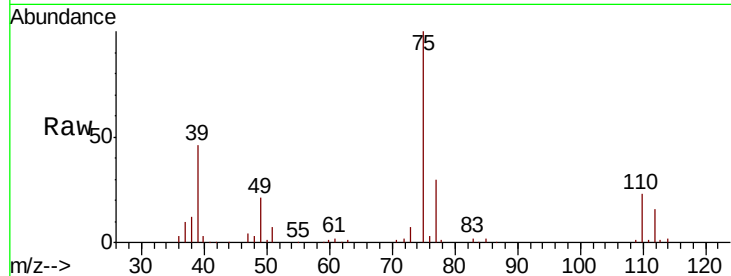




#53
 t-1,3-Dichloropropene
 Concen: 49.764 ug/l
 RT: 10.89 min Scan# 962
 Delta R.T. -0.00 min
 Lab File: VD062144.D
 Acq: 7 May 2019 20:24

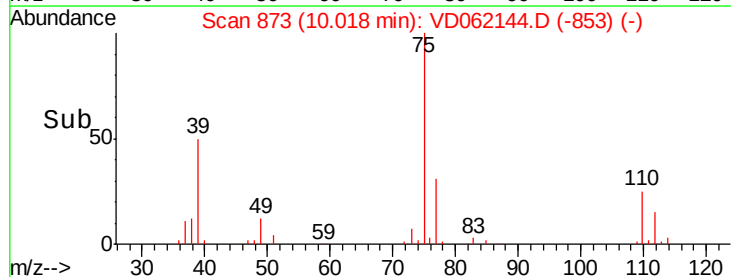
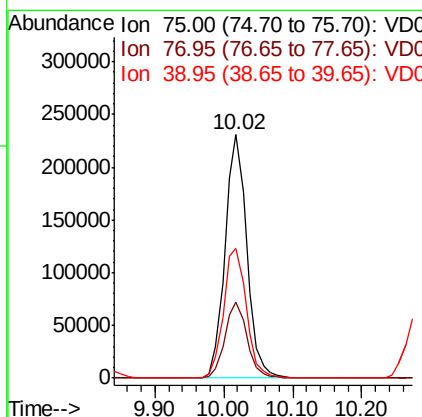
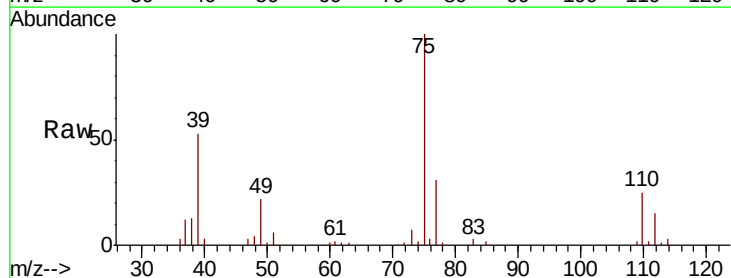
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

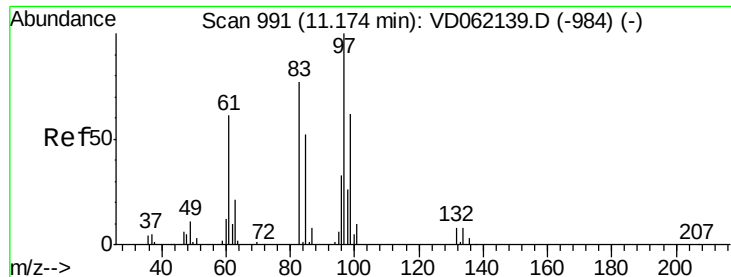
Tot Ion: 75 Resp: 467009
 Ion Ratio Lower Upper
 75 100
 77 30.3 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 49.390 ug/l
 RT: 10.02 min Scan# 873
 Delta R.T. -0.00 min
 Lab File: VD062144.D
 Acq: 7 May 2019 20:24

Tgt Ion: 75 Resp: 505633
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.5 38.3
 39 53.2 39.4 59.2





#55

1,1,2-Trichloroethane

Concen: 47.831 ug/l

RT: 11.17 min Scan# 990

Delta R.T. -0.00 min

Lab File: VD062144.D

Acq: 7 May 2019 20:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 243007

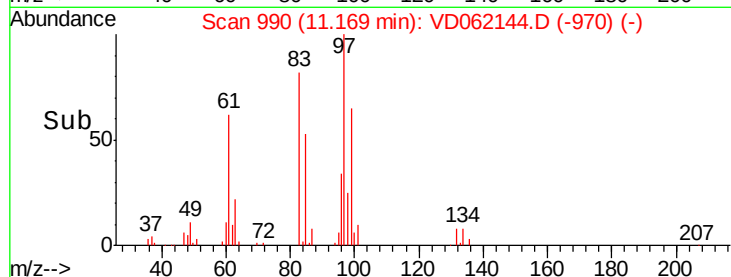
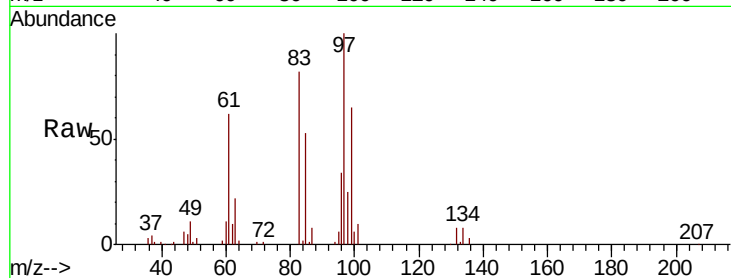
Ion	Ratio	Lower	Upper
97	100		
83	82.0	65.7	98.5
85	53.2	45.6	68.4
99	64.6	48.4	72.6

97 100

83 82.0 65.7 98.5

85 53.2 45.6 68.4

99 64.6 48.4 72.6

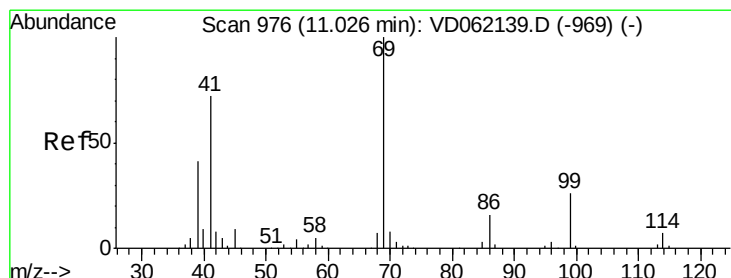
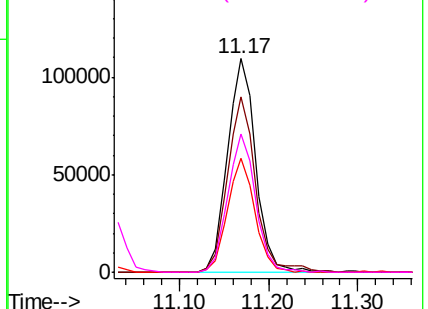


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 50.660 ug/l

RT: 11.02 min Scan# 975

Delta R.T. -0.00 min

Lab File: VD062144.D

Acq: 7 May 2019 20:24

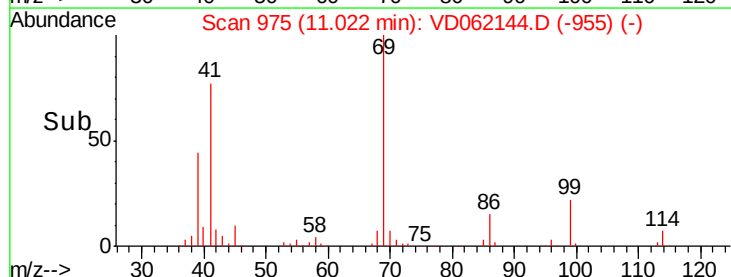
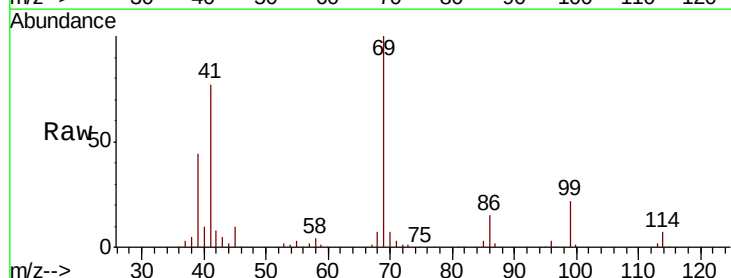
Tgt Ion: 69 Resp: 267459

Ion	Ratio	Lower	Upper
69	100		
41	77.1	56.3	84.5
39	43.8	29.4	44.2

69 100

41 77.1 56.3 84.5

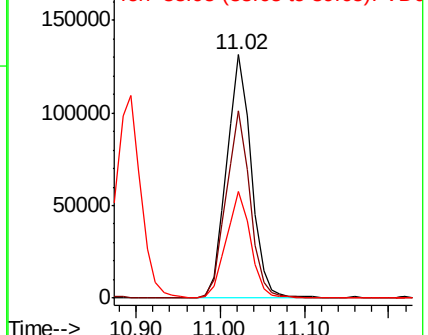
39 43.8 29.4 44.2

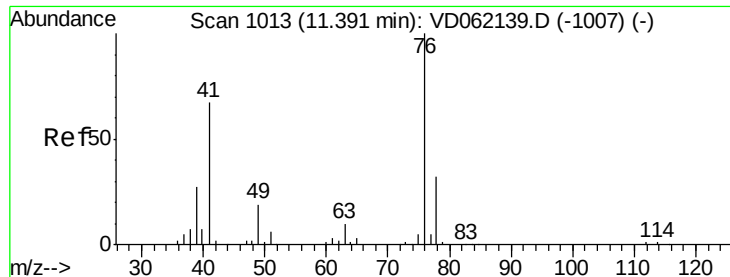


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 48.161 ug/l

RT: 11.39 min Scan# 1012

Delta R.T. -0.00 min

Lab File: VD062144.D

Acq: 7 May 2019 20:24

Instrument :

MSVOA_D

ClientSampleId :

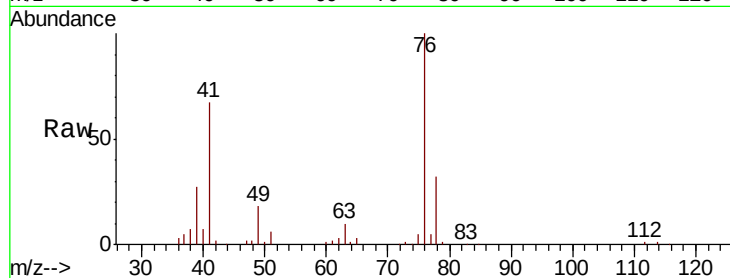
VSTDCCC050

Tot Ion: 76 Resp: 369659

Ion Ratio Lower Upper

76 100

78 32.2 26.2 39.2



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

11.39

200000

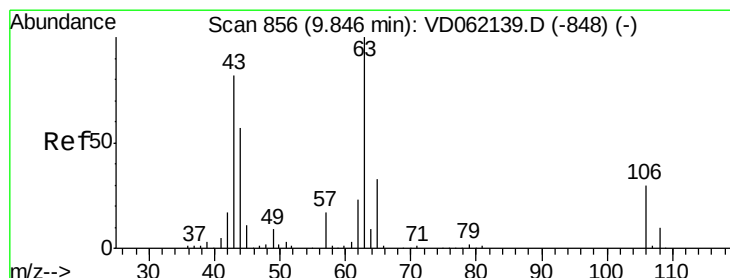
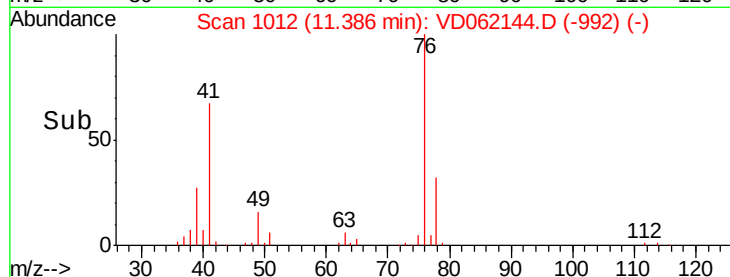
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 258.178 ug/l

RT: 9.83 min Scan# 854

Delta R.T. -0.01 min

Lab File: VD062144.D

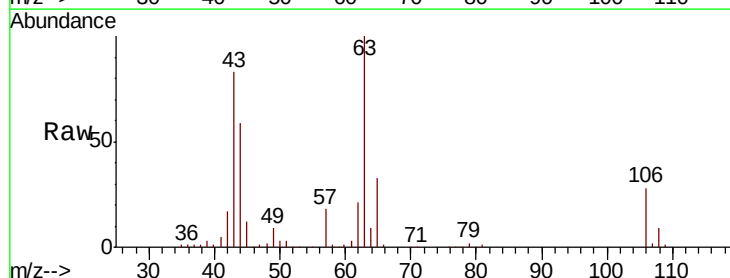
Acq: 7 May 2019 20:24

Tgt Ion: 63 Resp: 744541

Ion Ratio Lower Upper

63 100

106 28.1 22.6 34.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

9.83

400000

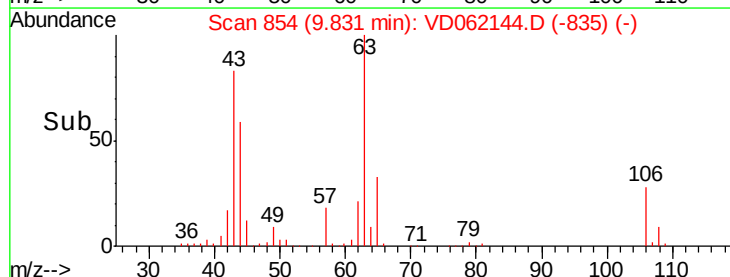
300000

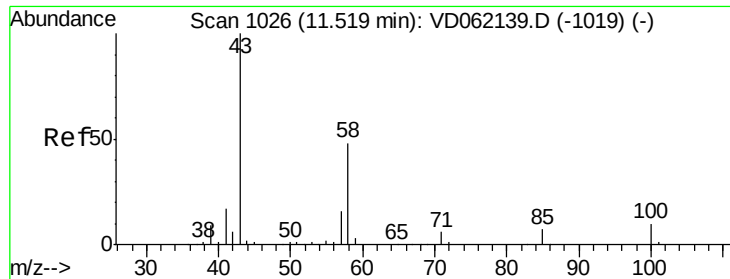
200000

100000

0

Time-->

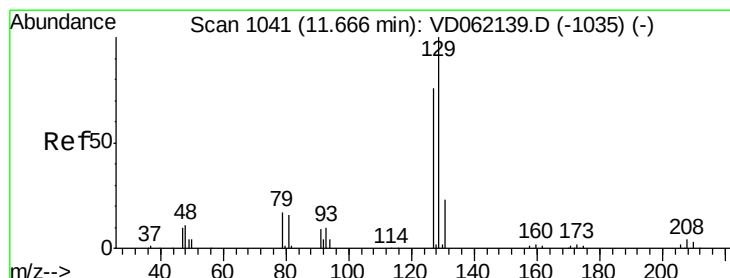
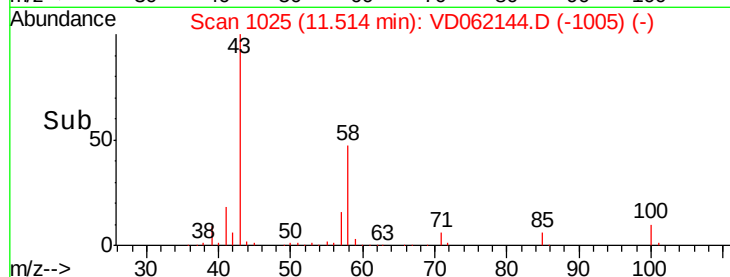
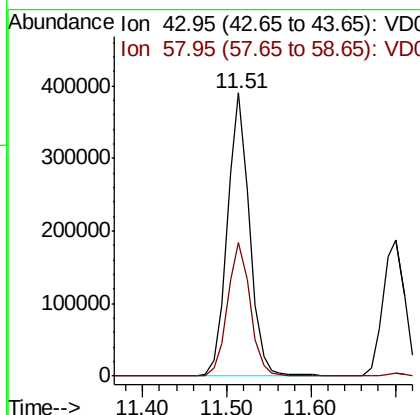
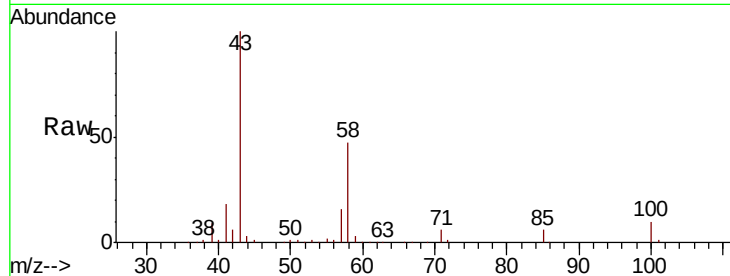




#59
2-Hexanone
Concen: 253.632 ug/l
RT: 11.51 min Scan# 1025
Delta R.T. -0.00 min
Lab File: VD062144.D
Acq: 7 May 2019 20:24

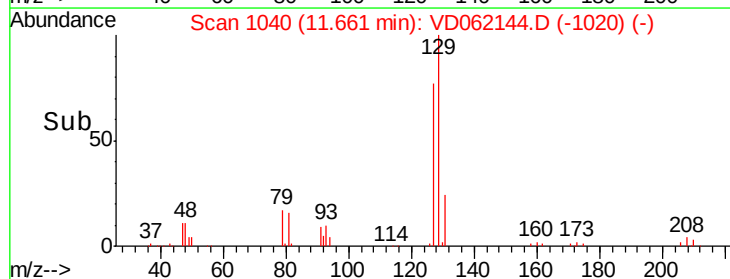
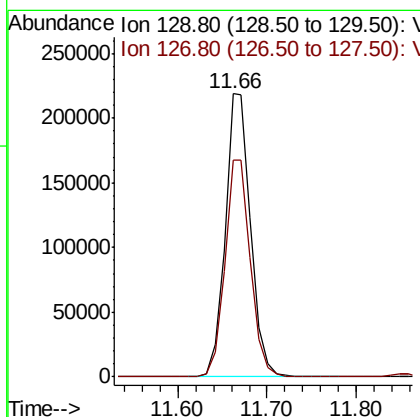
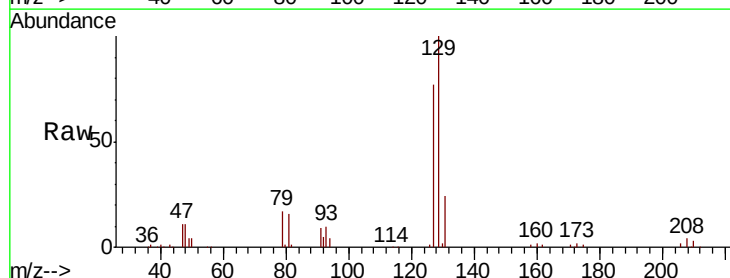
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

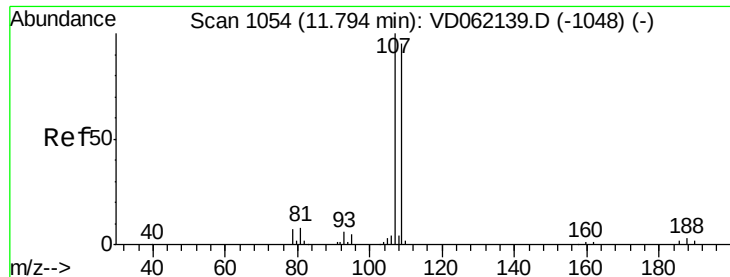
Tot Ion: 43 Resp: 706338
Ion Ratio Lower Upper
43 100
58 47.2 25.4 76.4



#60
Dibromochloromethane
Concen: 49.739 ug/l
RT: 11.66 min Scan# 1040
Delta R.T. -0.00 min
Lab File: VD062144.D
Acq: 7 May 2019 20:24

Tgt Ion: 129 Resp: 436726
Ion Ratio Lower Upper
129 100
127 76.6 38.0 113.9

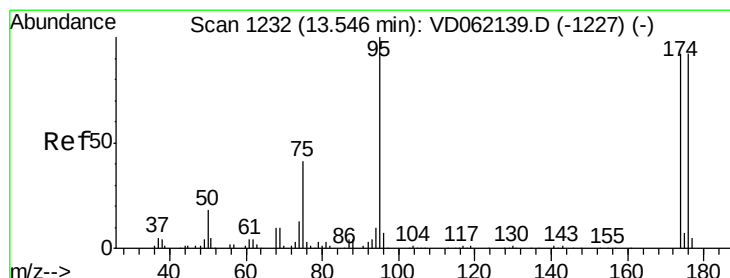
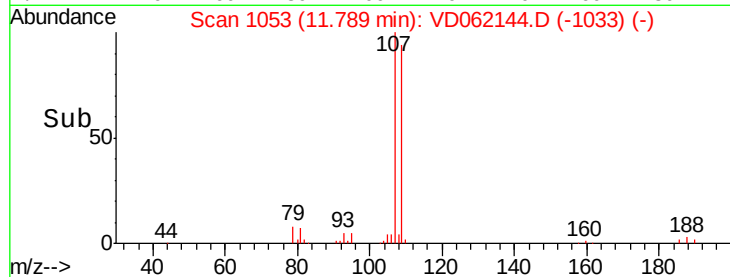
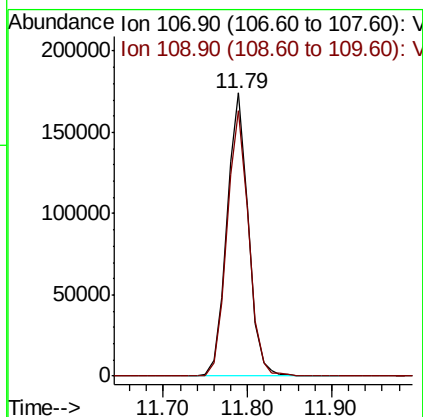
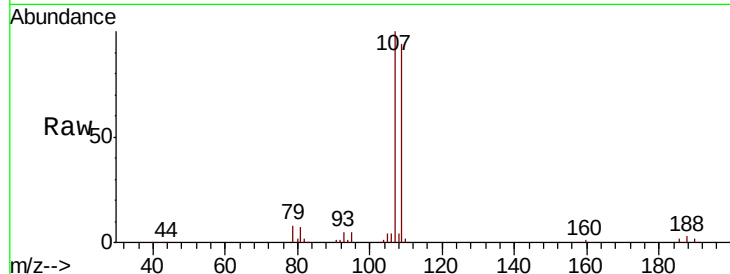




#61
 1,2-Dibromoethane
 Concen: 49.512 ug/l
 RT: 11.79 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD062144.D
 Acq: 7 May 2019 20:24

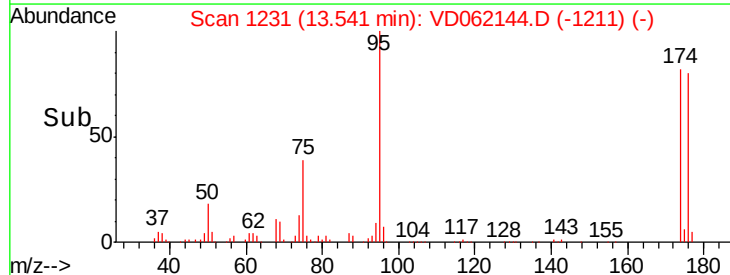
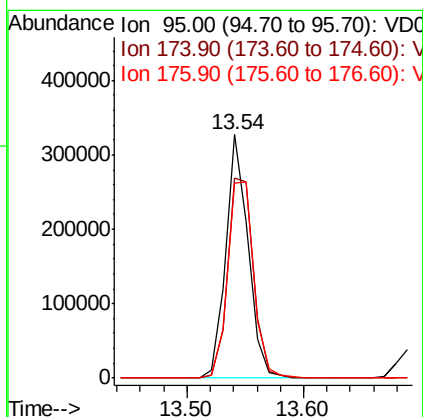
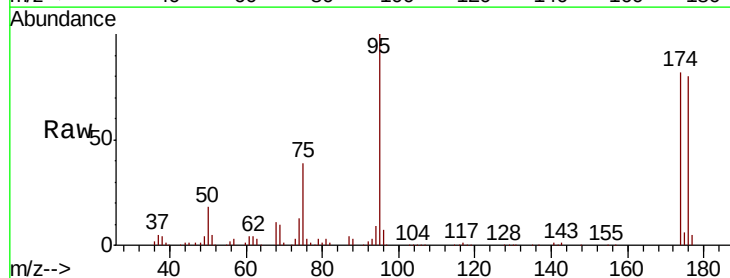
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

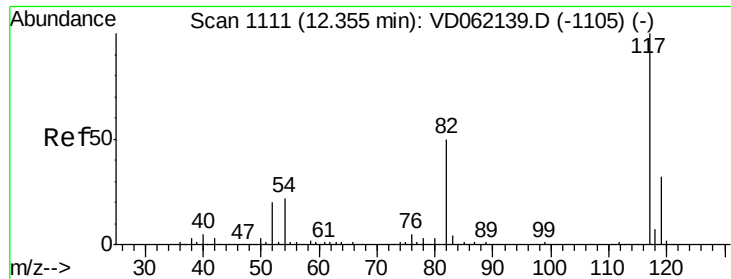
Tot Ion:107 Resp: 305822
 Ion Ratio Lower Upper
 107 100
 109 93.6 78.3 117.5



#62
 4-Bromofluorobenzene
 Concen: 45.148 ug/l
 RT: 13.54 min Scan# 1231
 Delta R.T. -0.00 min
 Lab File: VD062144.D
 Acq: 7 May 2019 20:24

Tgt Ion: 95 Resp: 432322
 Ion Ratio Lower Upper
 95 100
 174 81.9 0.0 181.8
 176 80.0 0.0 174.4

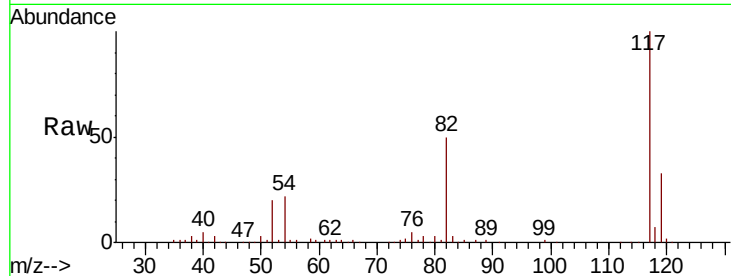




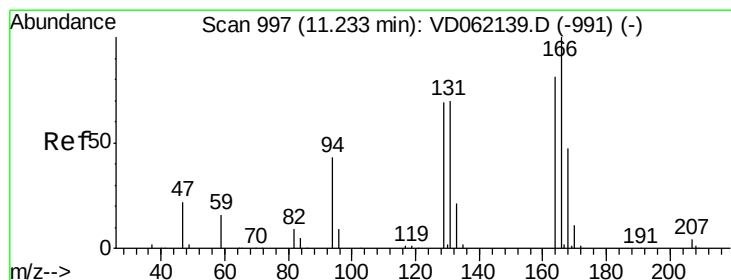
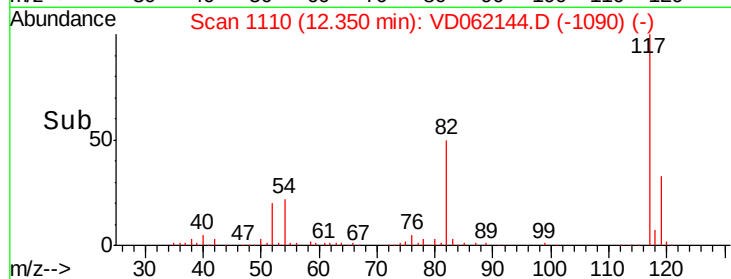
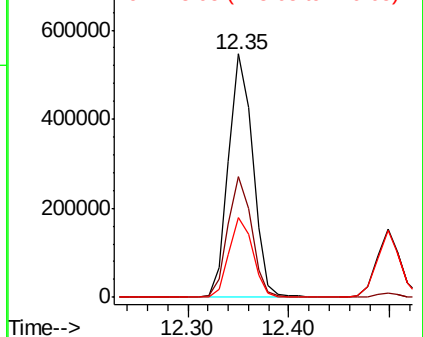
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1110
Delta R.T. -0.00 min
Lab File: VD062144.D
Acq: 7 May 2019 20:24

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 913598
Ion Ratio Lower Upper
117 100
82 49.6 36.2 54.2
119 32.9 26.2 39.4

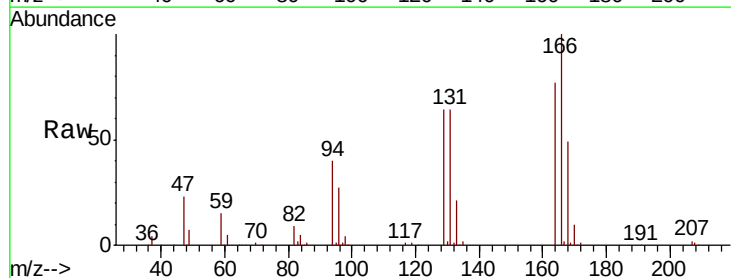


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

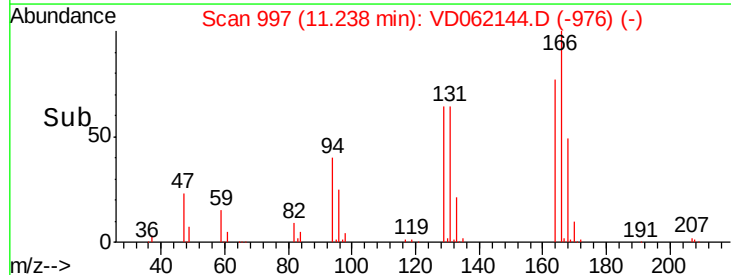
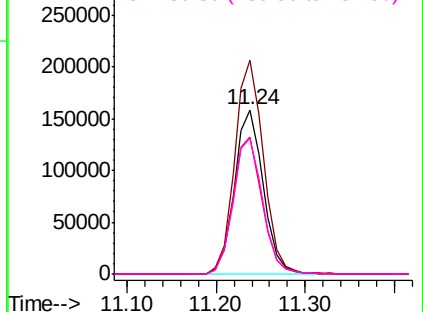


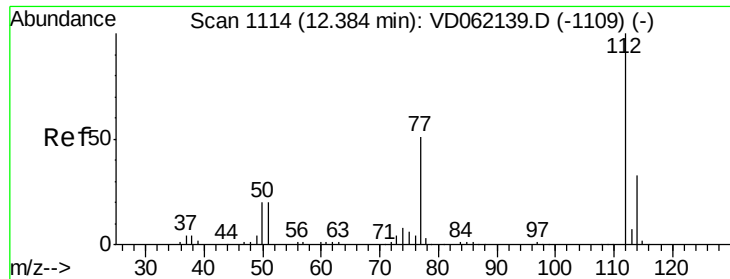
#64
Tetrachloroethene
Concen: 49.853 ug/l
RT: 11.24 min Scan# 997
Delta R.T. 0.01 min
Lab File: VD062144.D
Acq: 7 May 2019 20:24

Tgt Ion:164 Resp: 356146
Ion Ratio Lower Upper
164 100
166 130.2 101.5 152.3
129 83.4 74.6 112.0
131 82.7 72.6 108.8



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

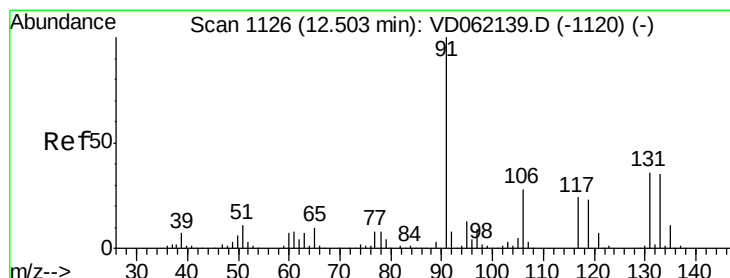
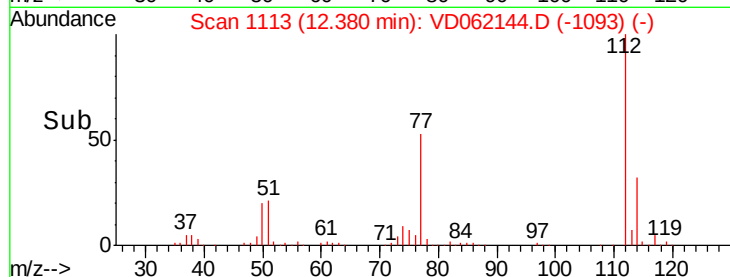
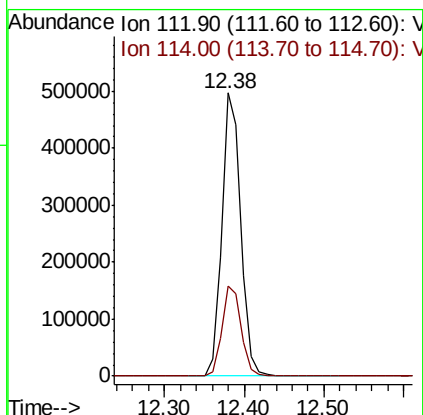
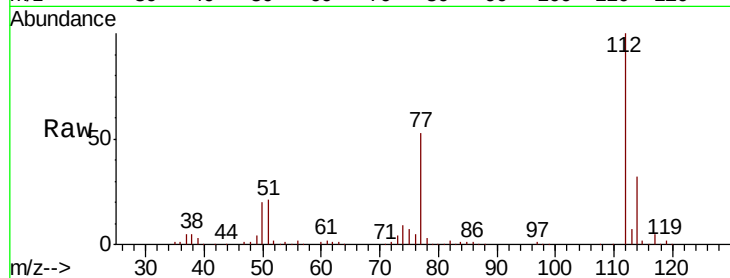




#65
Chlorobenzene
Concen: 48.735 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. -0.00 min
Lab File: VD062144.D
Acq: 7 May 2019 20:24

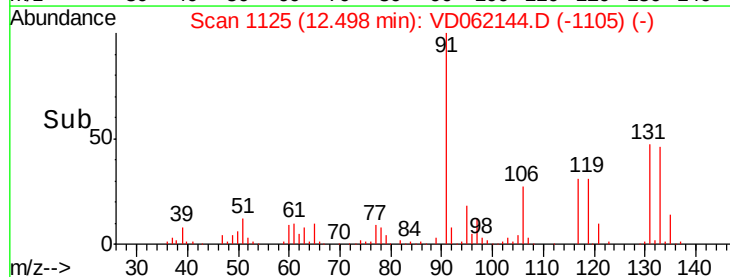
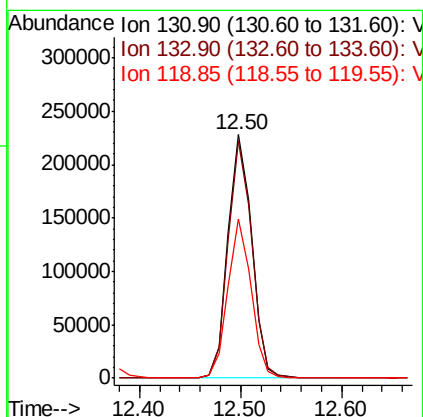
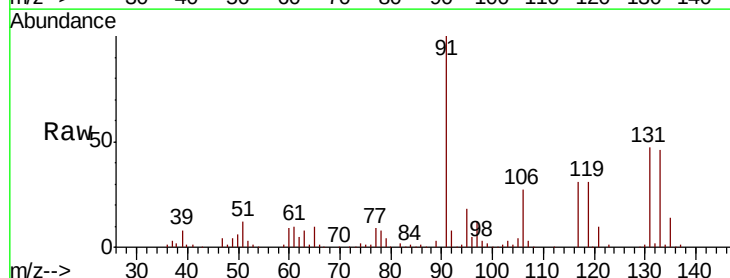
Instrument :
MSVOA_D
ClientSampled :
VSTDCCC050

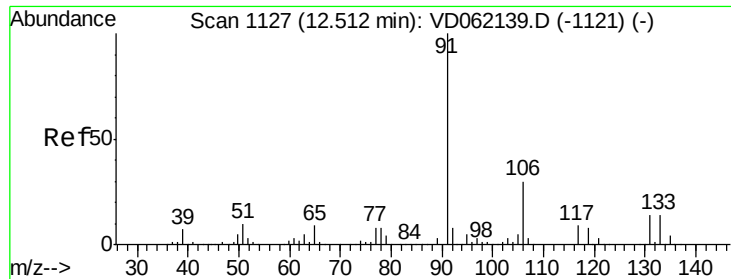
Tot Ion:112 Resp: 829279
Ion Ratio Lower Upper
112 100
114 31.9 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 50.536 ug/l
RT: 12.50 min Scan# 1125
Delta R.T. -0.00 min
Lab File: VD062144.D
Acq: 7 May 2019 20:24

Tgt Ion:131 Resp: 374250
Ion Ratio Lower Upper
131 100
133 97.4 48.6 145.8
119 65.4 34.7 104.1

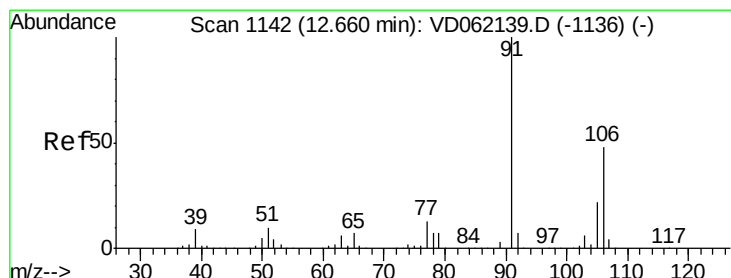
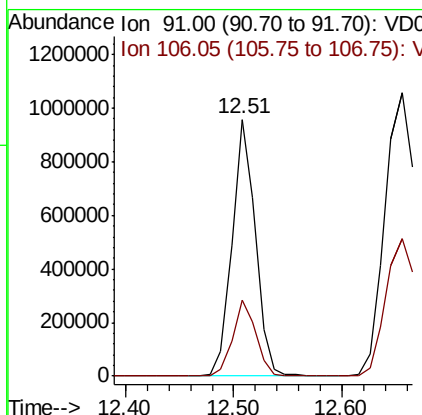
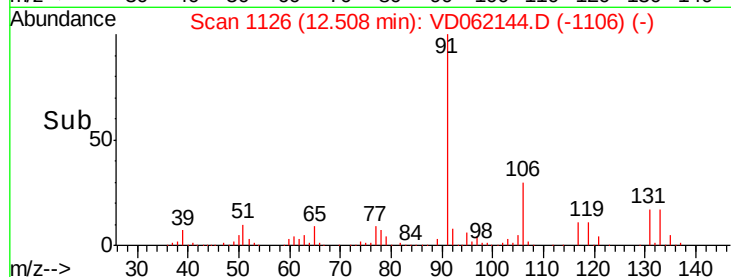
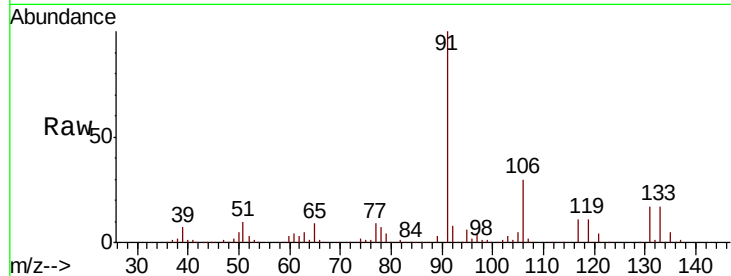




#67
Ethyl Benzene
Concen: 50.367 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.00 min
Lab File: VD062144.D
Acq: 7 May 2019 20:24

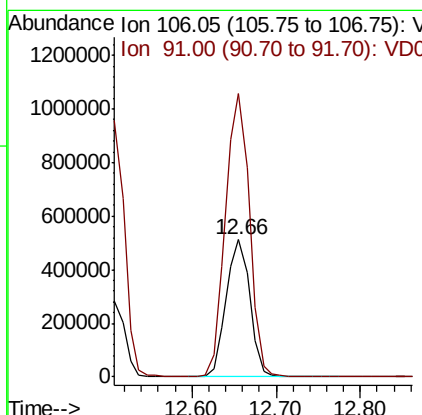
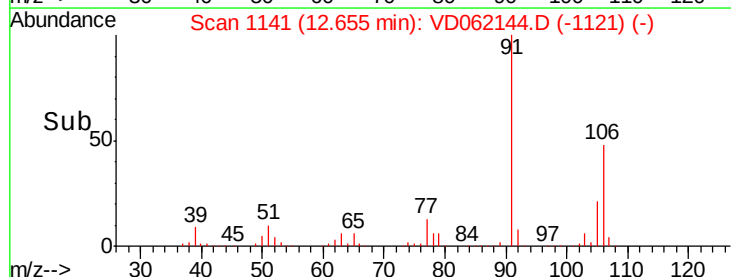
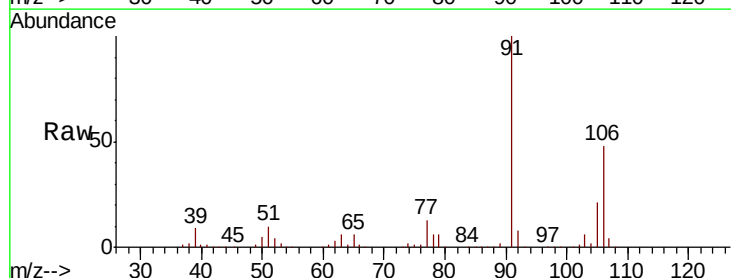
Instrument :
MSVOA_D
ClientSampled :
VSTDCCC050

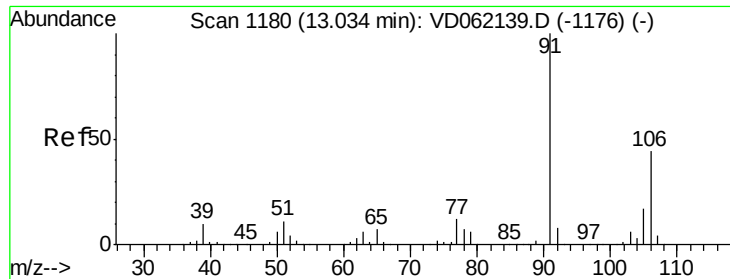
Tot Ion: 91 Resp: 1434815
Ion Ratio Lower Upper
91 100
106 29.6 24.7 37.1



#68
m/p-Xylenes
Concen: 96.829 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. -0.00 min
Lab File: VD062144.D
Acq: 7 May 2019 20:24

Tgt Ion: 106 Resp: 1003577
Ion Ratio Lower Upper
106 100
91 206.2 164.0 246.0

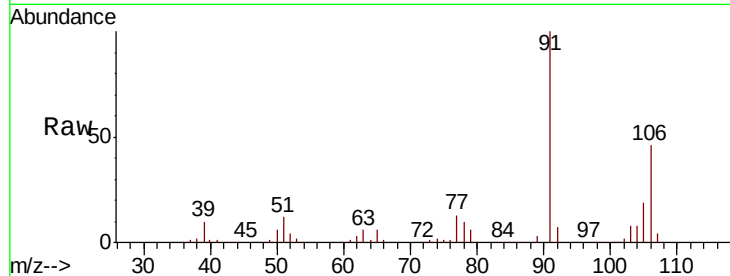




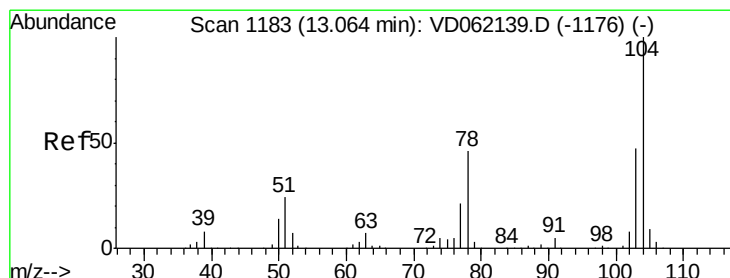
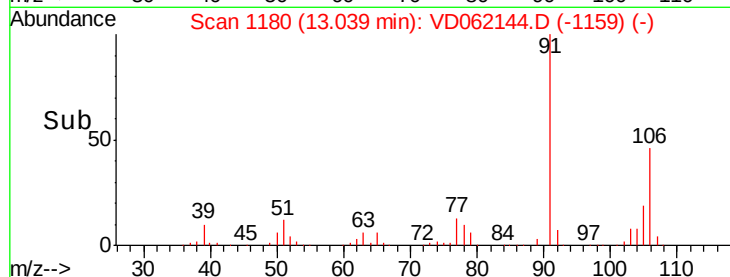
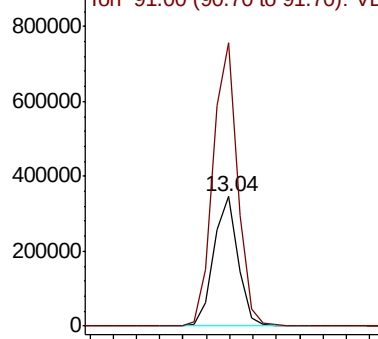
#69
o-Xylene
Concen: 51.796 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. 0.01 min
Lab File: VD062144.D
Acq: 7 May 2019 20:24

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 499085
Ion Ratio Lower Upper
106 100
91 218.9 106.7 319.9

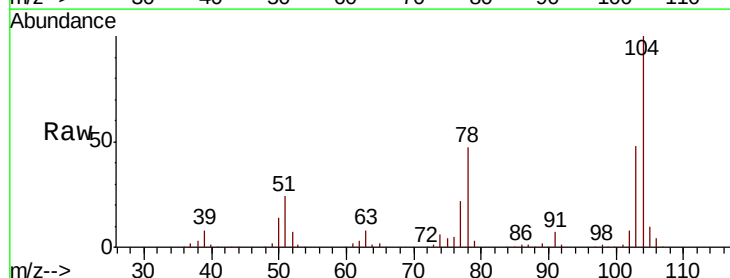


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

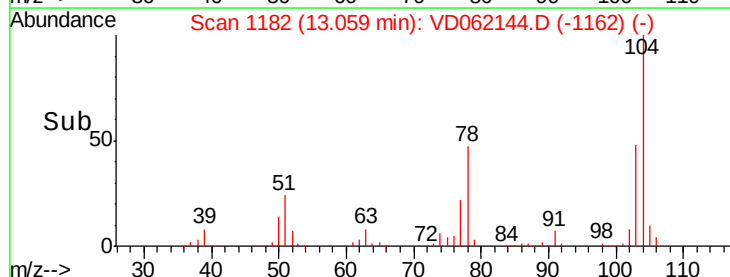
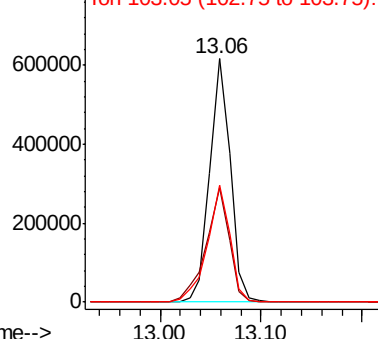


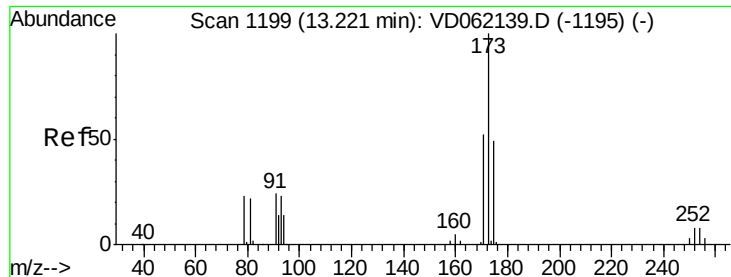
#70
Styrene
Concen: 53.670 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VD062144.D
Acq: 7 May 2019 20:24

Tgt Ion:104 Resp: 876052
Ion Ratio Lower Upper
104 100
78 47.0 35.4 53.2
103 47.8 37.5 56.3



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





#71

Bromoform

Concen: 50.375 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. 0.01 min

Lab File: VD062144.D

Acq: 7 May 2019 20:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

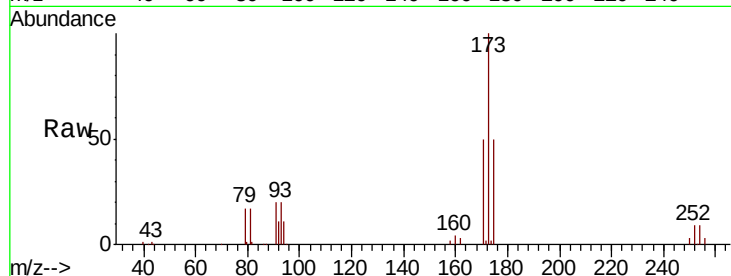
Tot Ion:173 Resp: 259552

Ion Ratio Lower Upper

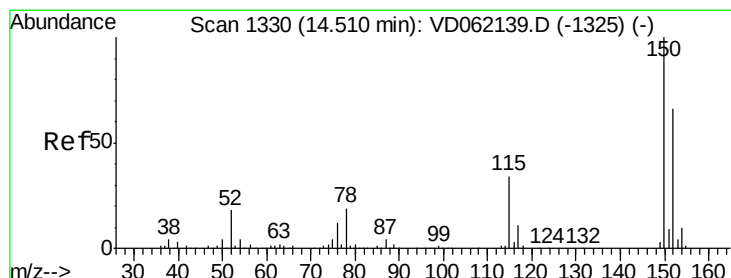
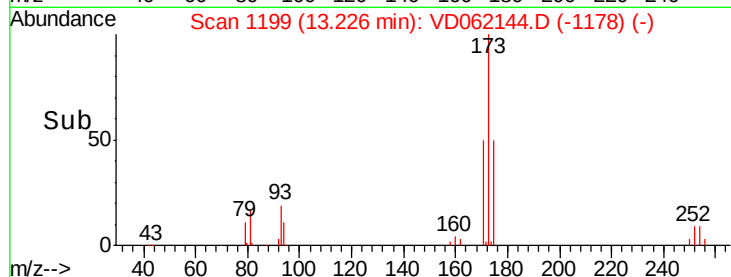
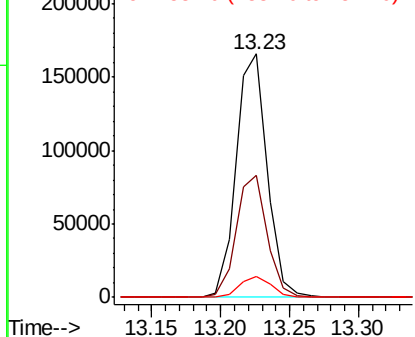
173 100

175 50.1 24.4 73.4

254 8.8 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: 14.51 min Scan# 1329

Delta R.T. -0.00 min

Lab File: VD062144.D

Acq: 7 May 2019 20:24

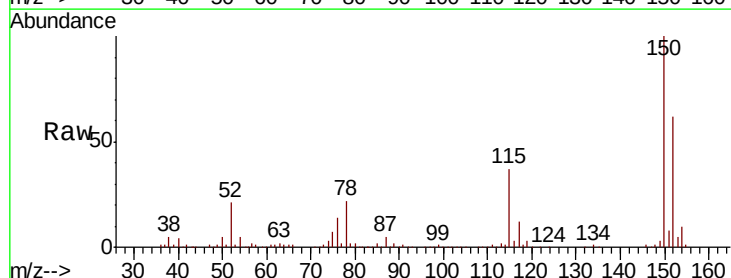
Tgt Ion:152 Resp: 515041

Ion Ratio Lower Upper

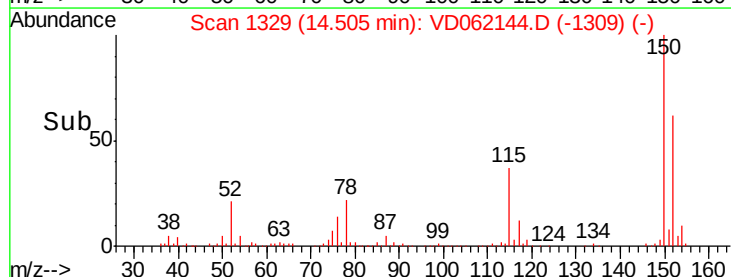
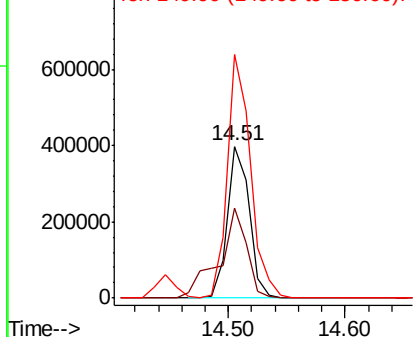
152 100

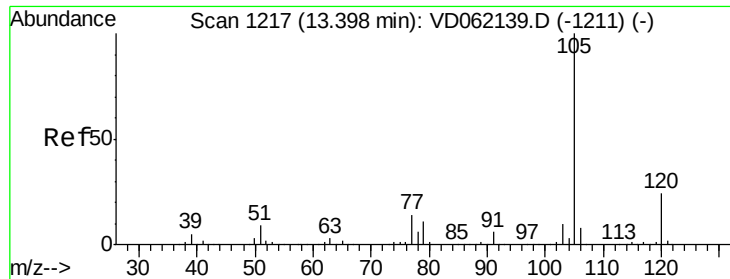
115 59.5 30.9 92.7

150 160.7 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: 46.715 ug/l

RT: 13.39 min Scan# 1216

Delta R.T. -0.00 min

Lab File: VD062144.D

Acq: 7 May 2019 20:24

Instrument :

MSVOA_D

ClientSampleId :

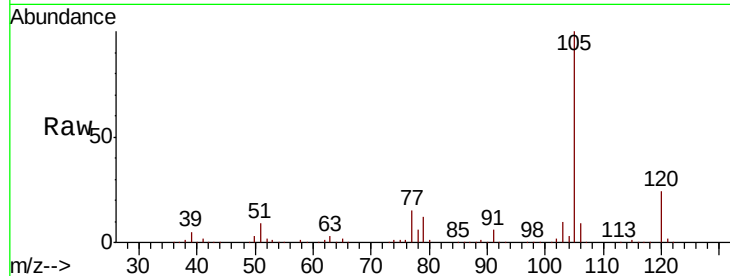
VSTDCCC050

Tot Ion:105 Resp: 1442250

Ion Ratio Lower Upper

105 100

120 23.6 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

1200000

1000000

800000

600000

400000

200000

0

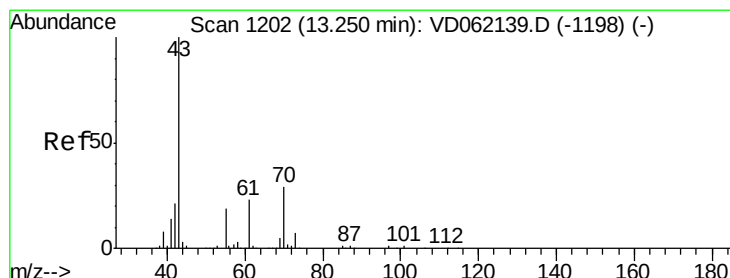
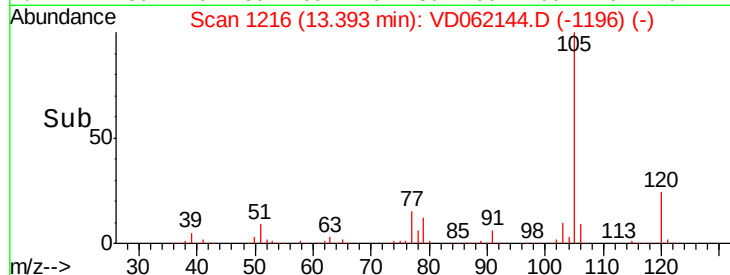
13.39

13.30

13.40

13.50

Time-->



#74

N-ethyl acetate

Concen: 48.644 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. 0.01 min

Lab File: VD062144.D

Acq: 7 May 2019 20:24

Tgt Ion: 43 Resp: 393739

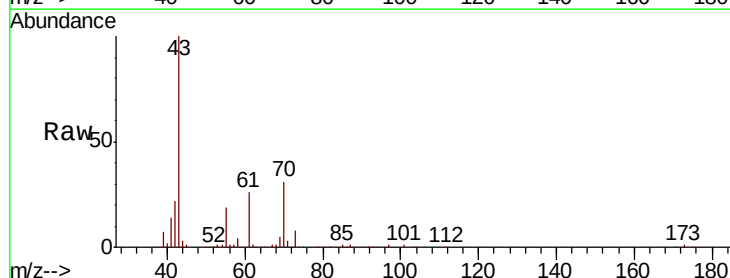
Ion Ratio Lower Upper

43 100

70 30.8 24.2 36.4

55 18.7 16.0 24.0

61 26.0 21.6 32.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC

400000

300000

200000

100000

0

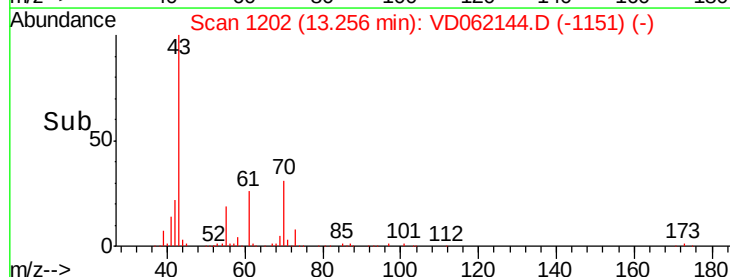
13.26

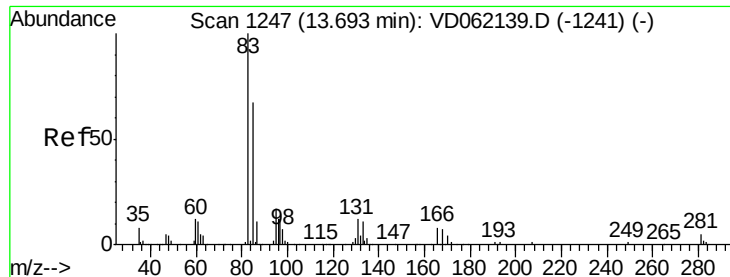
13.20

13.30

13.40

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 49.744 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. -0.00 min

Lab File: VD062144.D

Acq: 7 May 2019 20:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

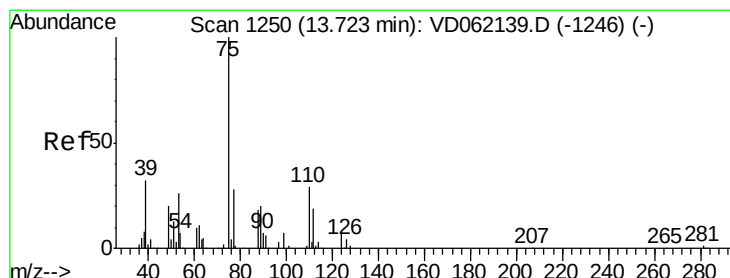
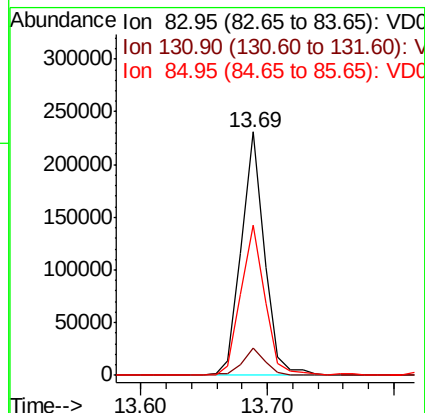
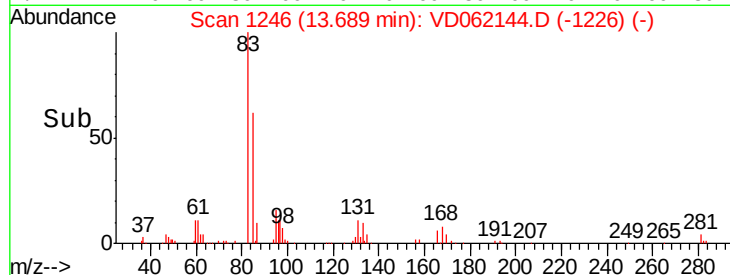
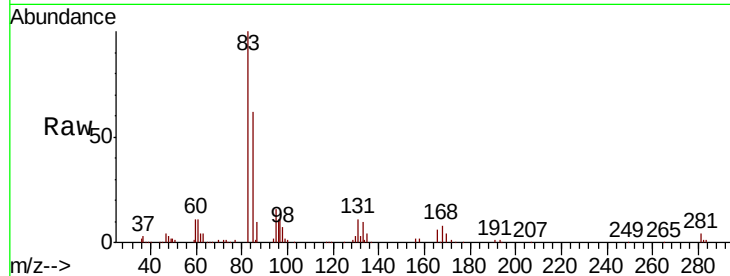
Tot Ion: 83 Resp: 290738

Ion Ratio Lower Upper

83 100

131 11.2 5.0 14.9

85 61.9 32.6 97.7



#76

1,2,3-Trichloropropane

Concen: 46.969 ug/l

RT: 13.72 min Scan# 1249

Delta R.T. -0.00 min

Lab File: VD062144.D

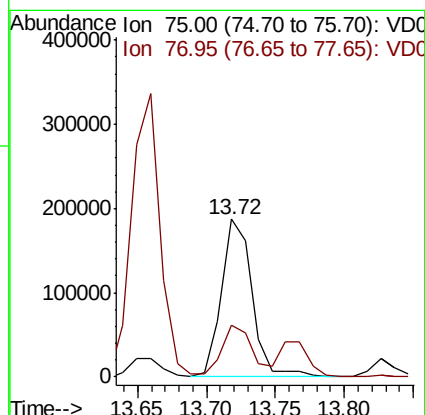
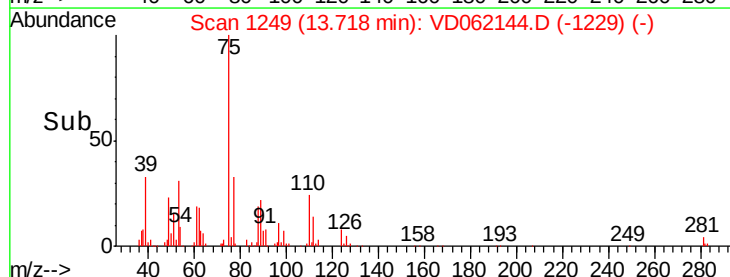
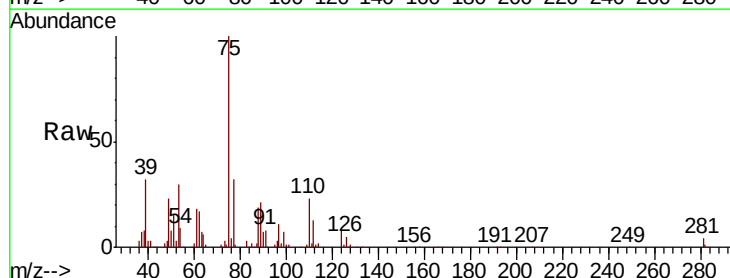
Acq: 7 May 2019 20:24

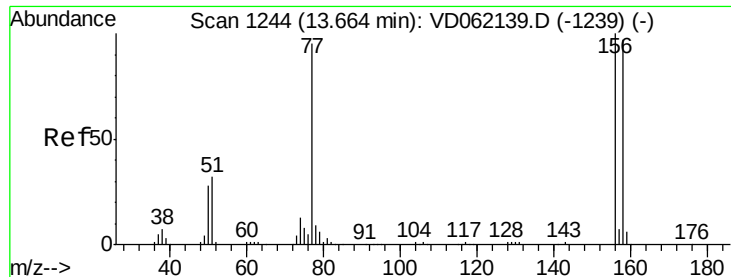
Tgt Ion: 75 Resp: 287492

Ion Ratio Lower Upper

75 100

77 32.4 16.4 49.4





#77

Bromobenzene

Concen: 47.755 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. -0.00 min

Lab File: VD062144.D

Acq: 7 May 2019 20:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

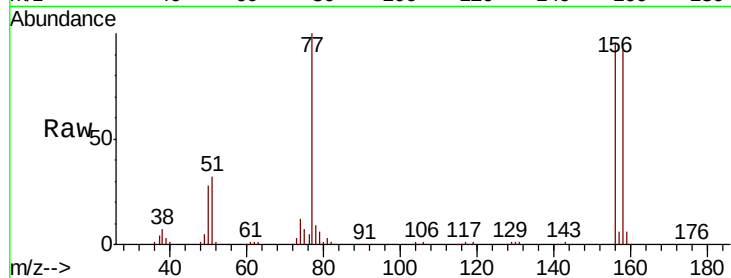
Tot Ion:156 Resp: 412723

Ion Ratio Lower Upper

156 100

77 105.4 53.1 159.4

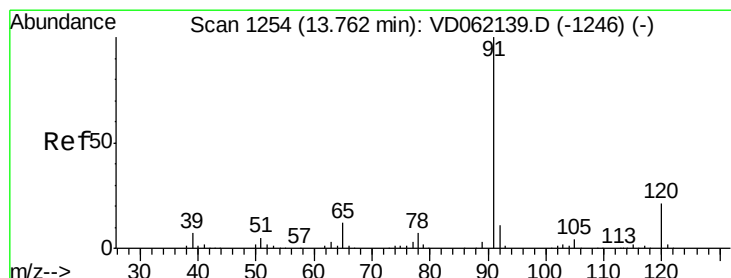
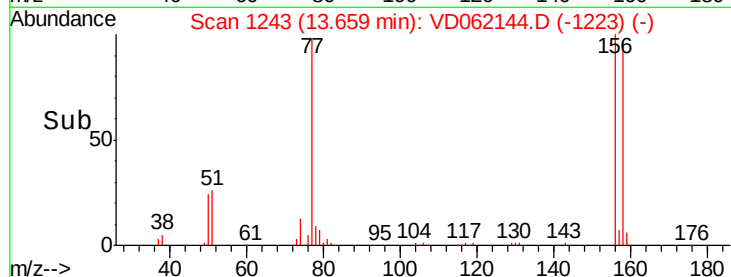
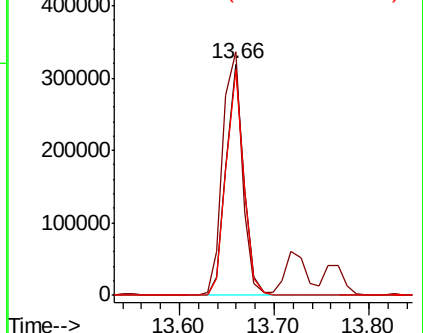
158 97.5 49.4 148.0



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: 44.072 ug/l

RT: 13.76 min Scan# 1253

Delta R.T. -0.00 min

Lab File: VD062144.D

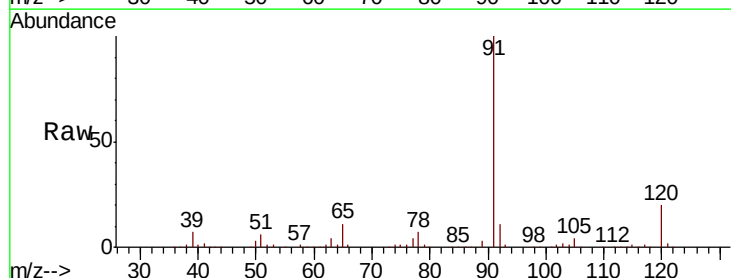
Acq: 7 May 2019 20:24

Tgt Ion: 91 Resp: 1623083

Ion Ratio Lower Upper

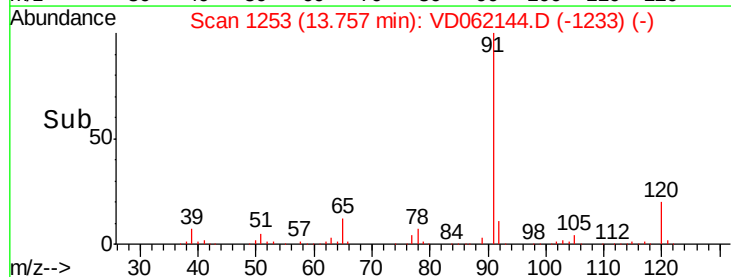
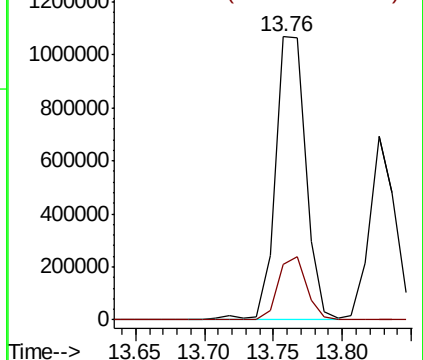
91 100

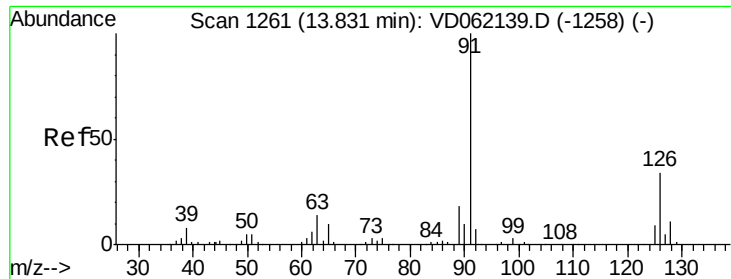
120 19.8 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 42.607 ug/l

RT: 13.83 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VD062144.D

Acq: 7 May 2019 20:24

Instrument :

MSVOA_D

ClientSampleId :

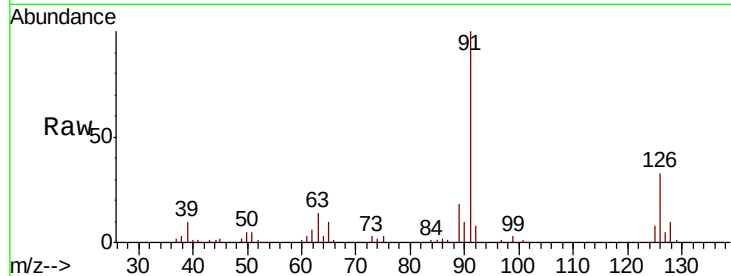
VSTDCCC050

Tot Ion: 91 Resp: 898675

Ion Ratio Lower Upper

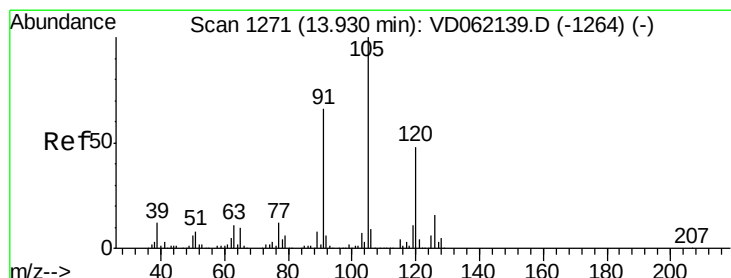
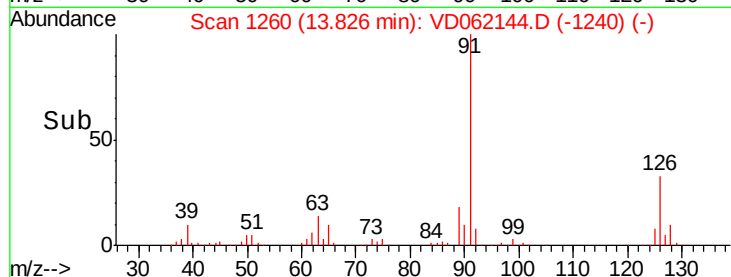
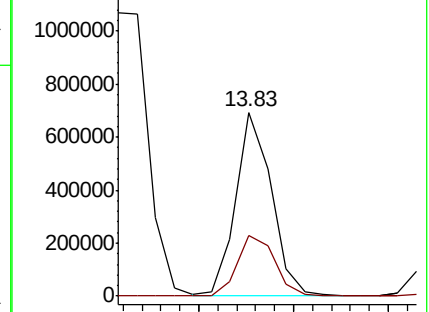
91 100

126 32.9 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: 47.178 ug/l

RT: 13.92 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD062144.D

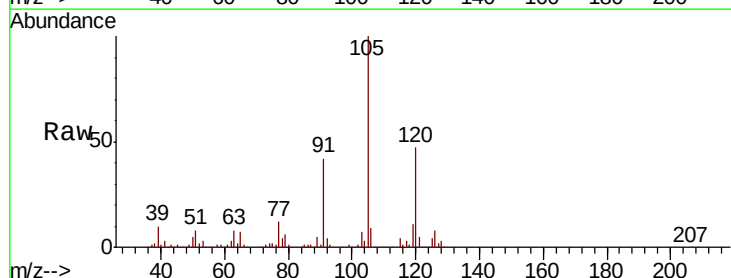
Acq: 7 May 2019 20:24

Tgt Ion: 105 Resp: 1226514

Ion Ratio Lower Upper

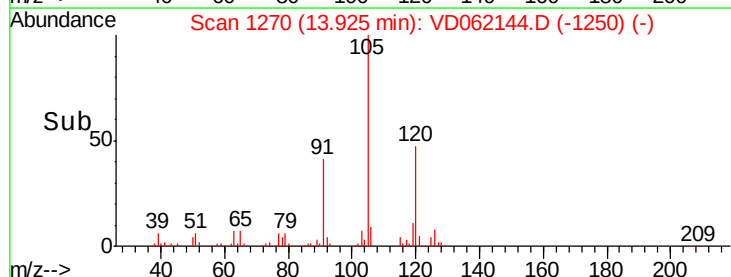
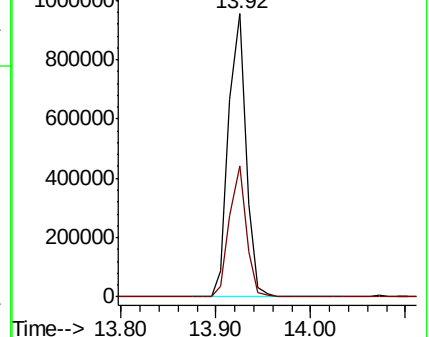
105 100

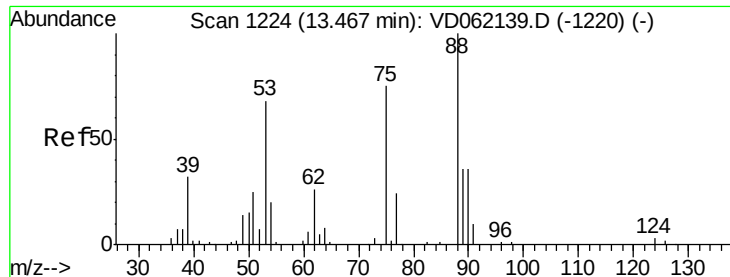
120 46.5 24.0 72.0



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: 50.452 ug/l

RT: 13.46 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD062144.D

Acq: 7 May 2019 20:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

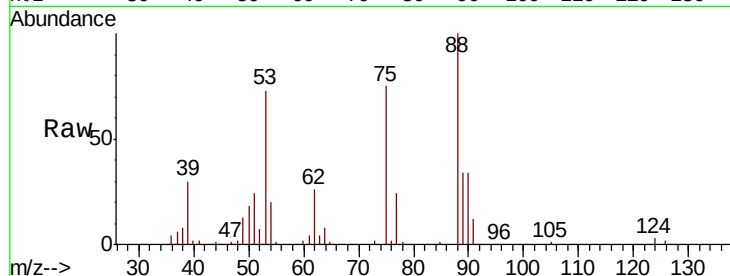
Tot Ion: 75 Resp: 87179

Ion Ratio Lower Upper

75 100

53 97.0 65.8 98.8

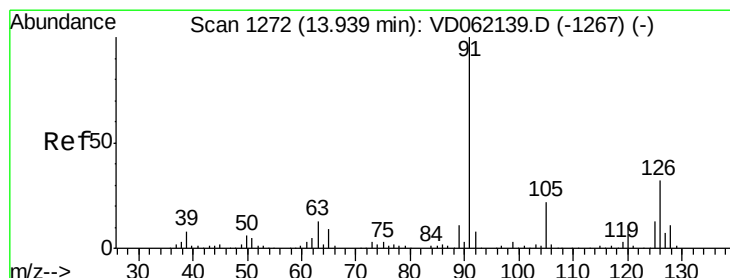
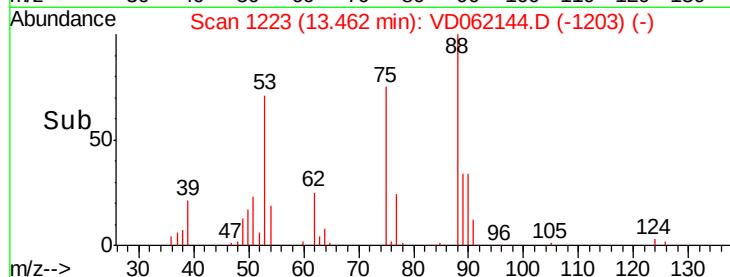
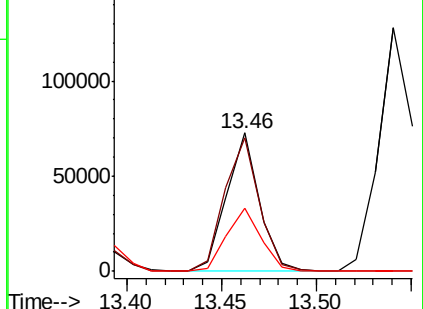
89 45.4 35.0 52.6



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 42.884 ug/l

RT: 13.93 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VD062144.D

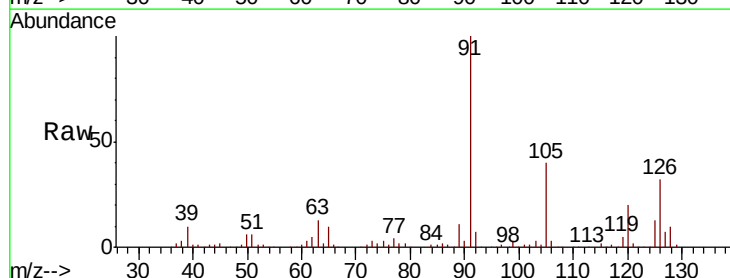
Acq: 7 May 2019 20:24

Tgt Ion: 91 Resp: 1064382

Ion Ratio Lower Upper

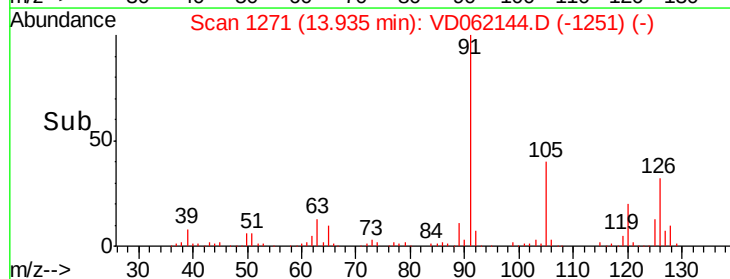
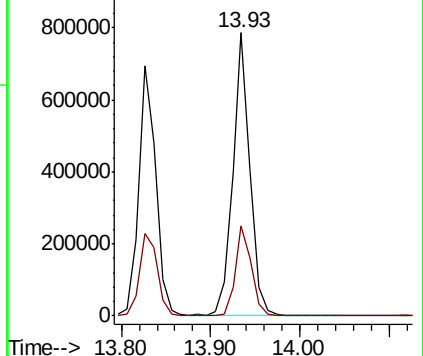
91 100

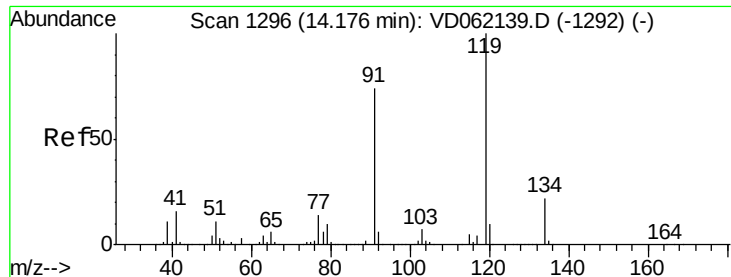
126 31.9 19.1 57.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

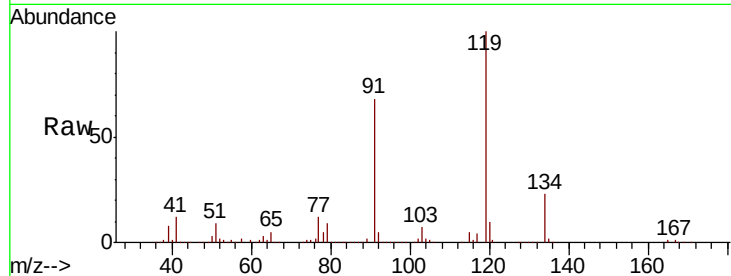




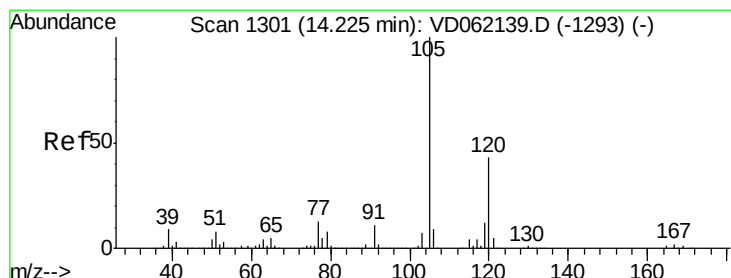
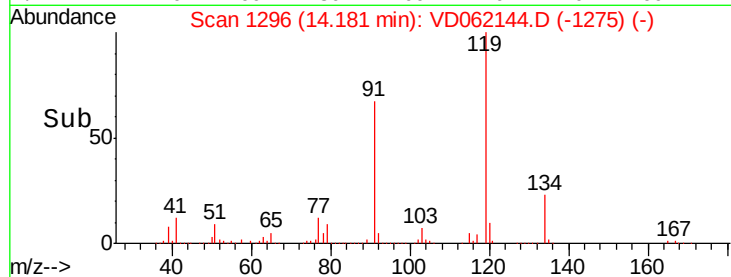
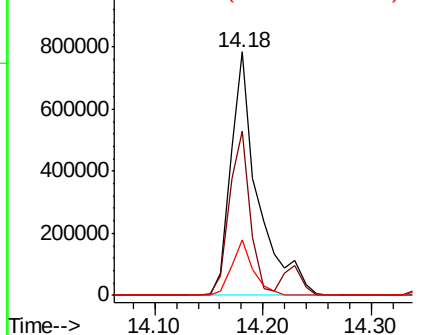
#83
 tert-Butylbenzene
 Concen: 46.896 ug/l
 RT: 14.18 min Scan# 1296
 Delta R.T. 0.01 min
 Lab File: VD062144.D
 Acq: 7 May 2019 20:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:119 Resp: 1370358
 Ion Ratio Lower Upper
 119 100
 91 67.6 34.2 102.6
 134 22.6 12.0 36.0

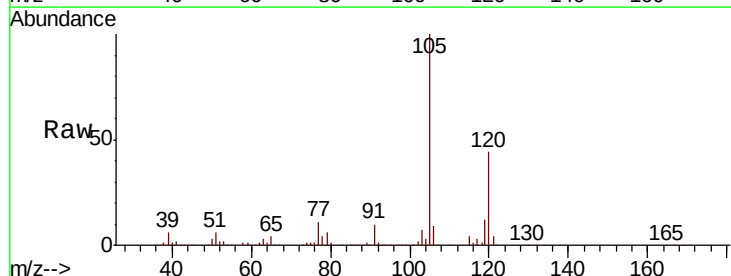


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

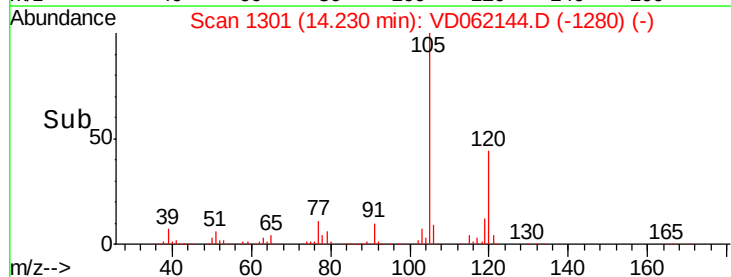
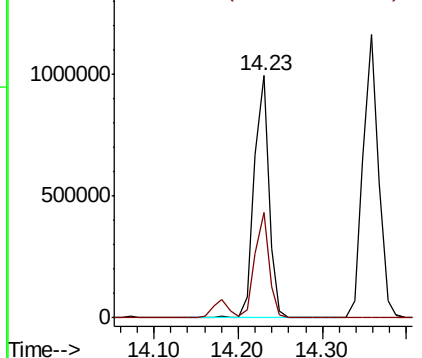


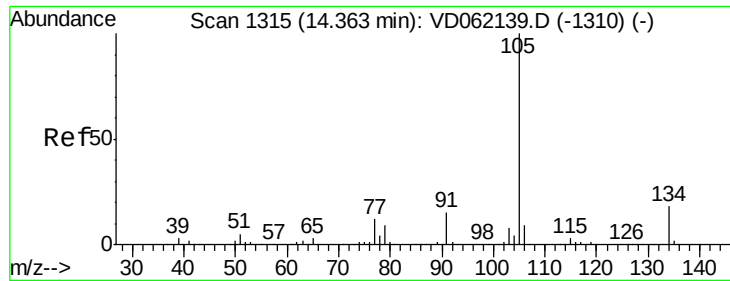
#84
 1,2,4-Trimethylbenzene
 Concen: 47.419 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. 0.01 min
 Lab File: VD062144.D
 Acq: 7 May 2019 20:24

Tgt Ion:105 Resp: 1237090
 Ion Ratio Lower Upper
 105 100
 120 43.6 23.1 69.2



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

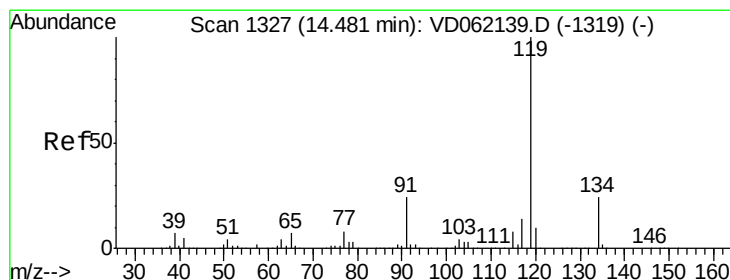
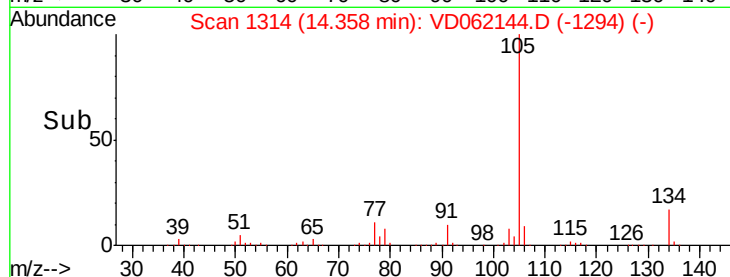
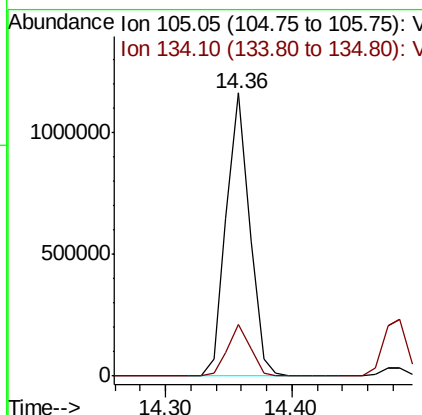
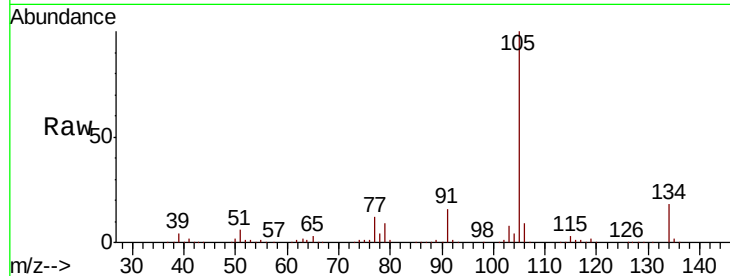




#85
 sec-Butylbenzene
 Concen: 46.351 ug/l
 RT: 14.36 min Scan# 1314
 Delta R.T. -0.00 min
 Lab File: VD062144.D
 Acq: 7 May 2019 20:24

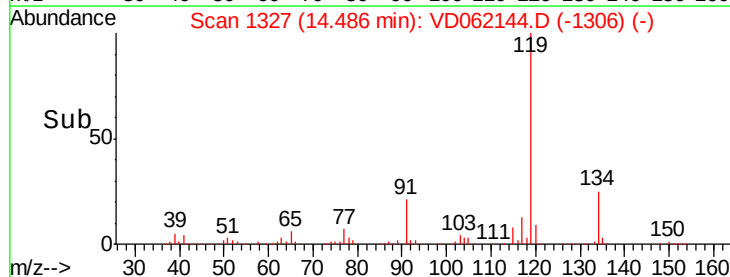
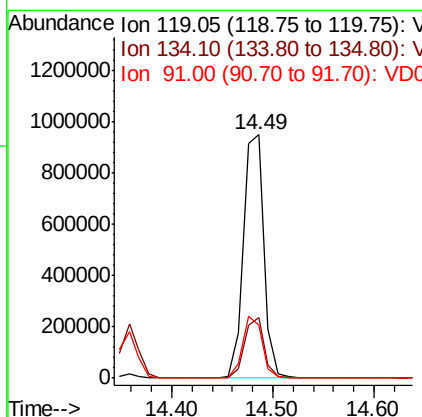
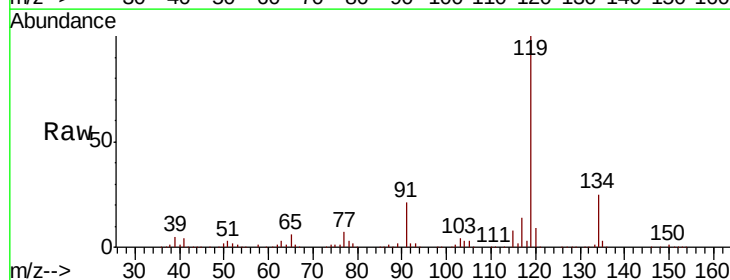
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

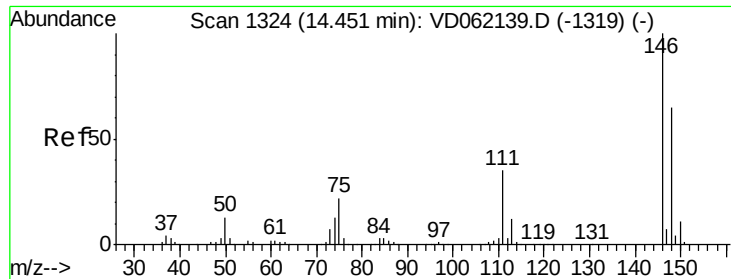
Tot Ion:105 Resp: 1485001
 Ion Ratio Lower Upper
 105 100
 134 18.2 8.9 26.7



#86
 p-Isopropyltoluene
 Concen: 46.836 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. 0.01 min
 Lab File: VD062144.D
 Acq: 7 May 2019 20:24

Tgt Ion:119 Resp: 1340643
 Ion Ratio Lower Upper
 119 100
 134 24.7 12.8 38.3
 91 21.5 10.7 32.1

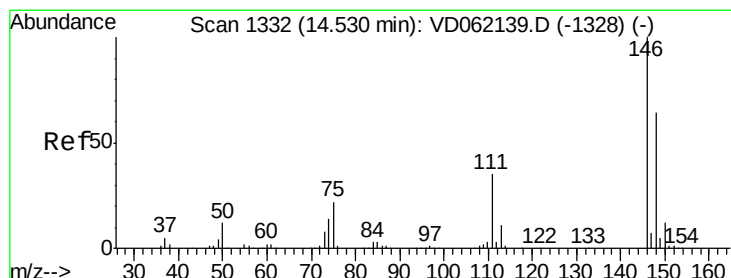
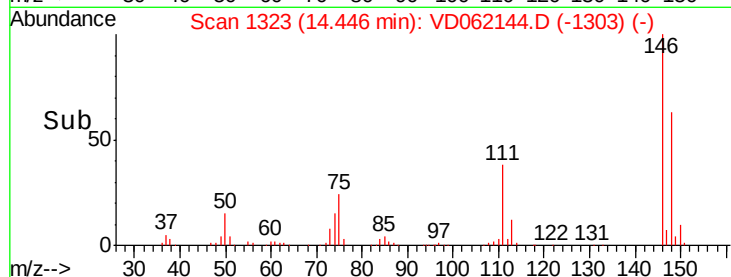
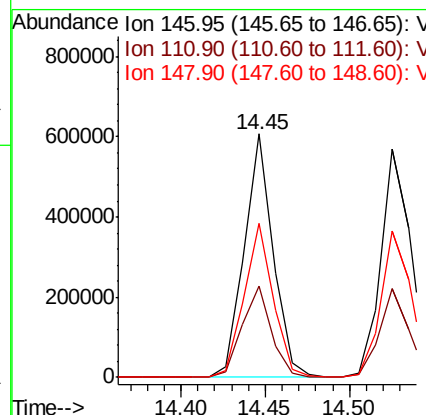
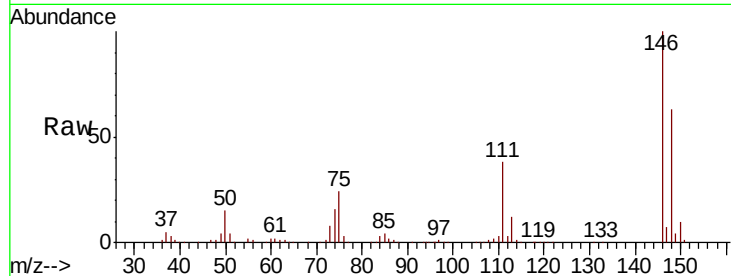




#87
 1,3-Dichlorobenzene
 Concen: 45.861 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: VD062144.D
 Acq: 7 May 2019 20:24

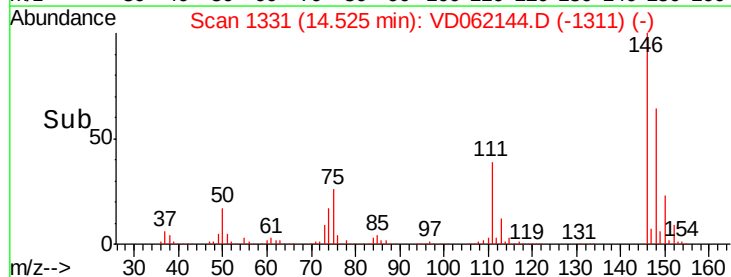
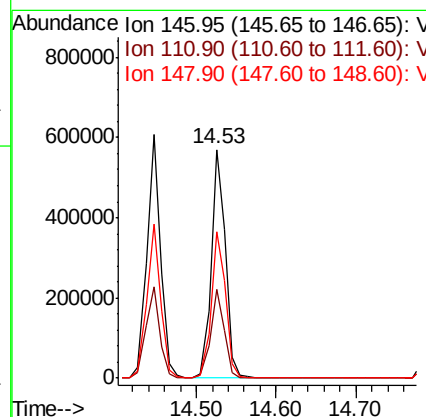
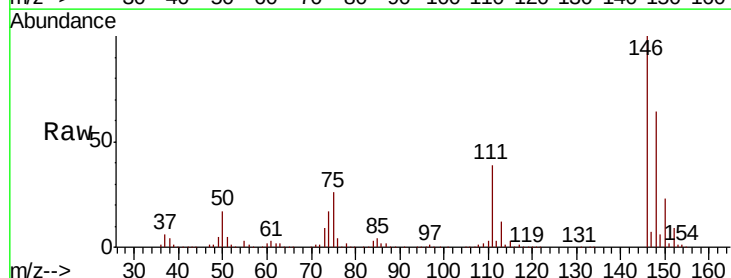
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

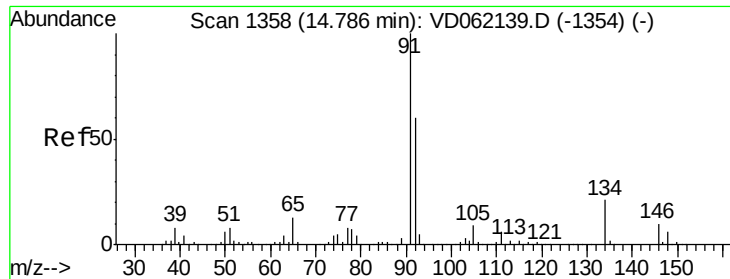
Tot Ion:146 Resp: 724039
 Ion Ratio Lower Upper
 146 100
 111 37.6 20.0 60.0
 148 63.3 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 45.329 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.00 min
 Lab File: VD062144.D
 Acq: 7 May 2019 20:24

Tgt Ion:146 Resp: 703164
 Ion Ratio Lower Upper
 146 100
 111 38.7 20.2 60.5
 148 64.2 32.0 96.2





#89

n-Butylbenzene

Concen: 47.846 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. 0.01 min

Lab File: VD062144.D

Acq: 7 May 2019 20:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

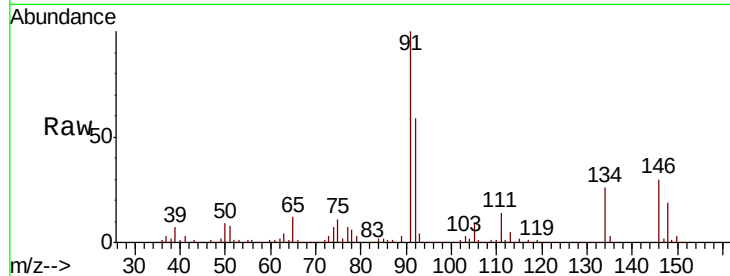
Tot Ion: 91 Resp: 1229285

Ion Ratio Lower Upper

91 100

92 59.4 30.3 91.0

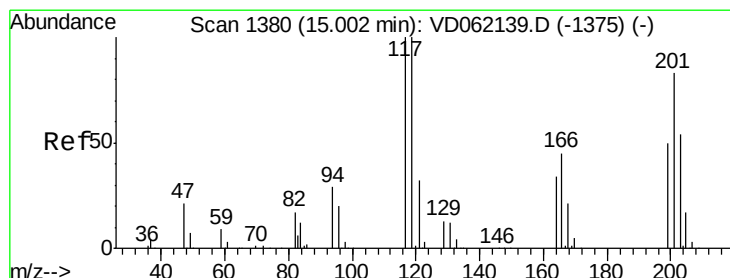
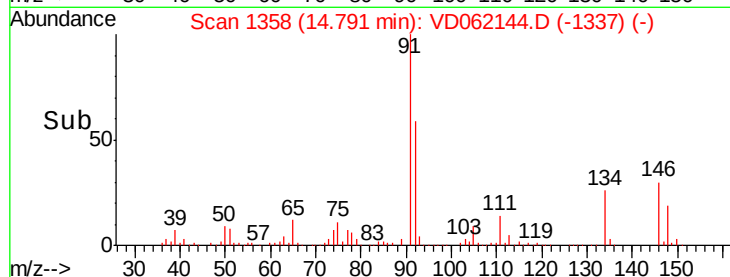
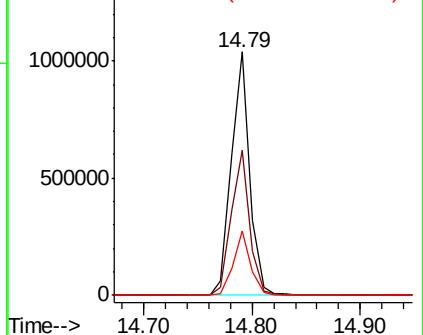
134 26.2 14.5 43.6



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 47.020 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. -0.00 min

Lab File: VD062144.D

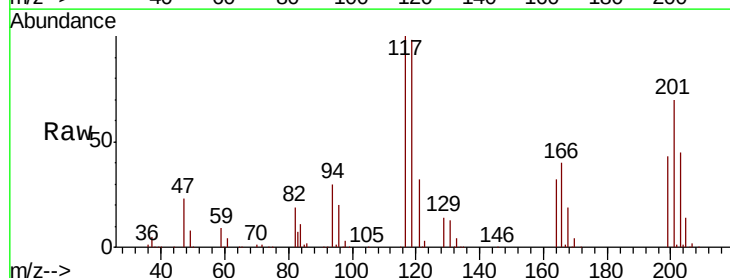
Acq: 7 May 2019 20:24

Tgt Ion: 117 Resp: 366015

Ion Ratio Lower Upper

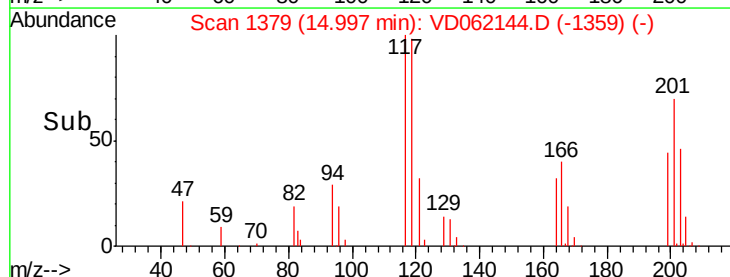
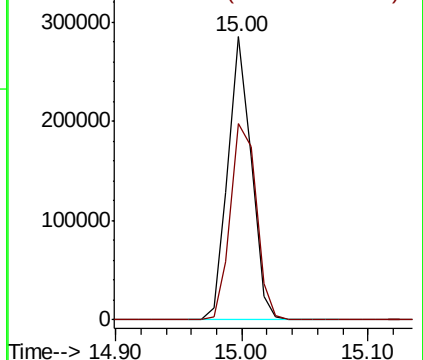
117 100

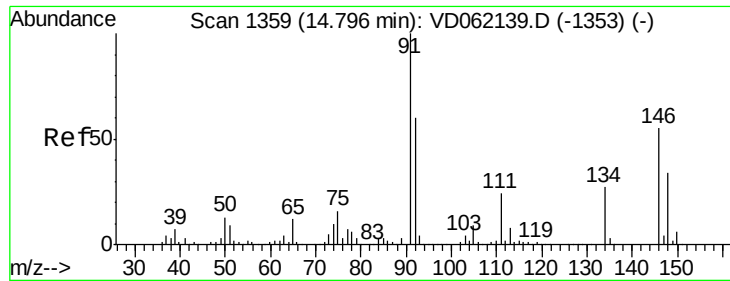
201 69.5 30.2 90.6



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

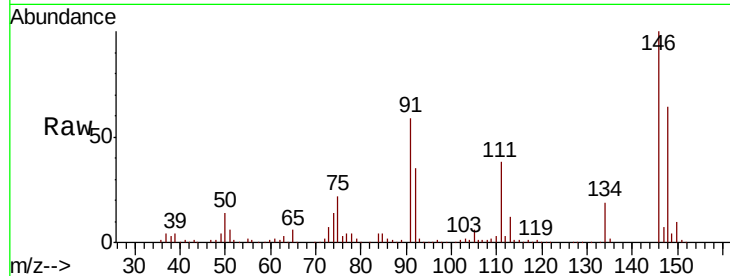




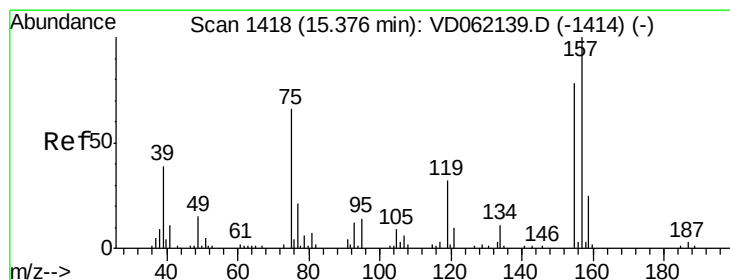
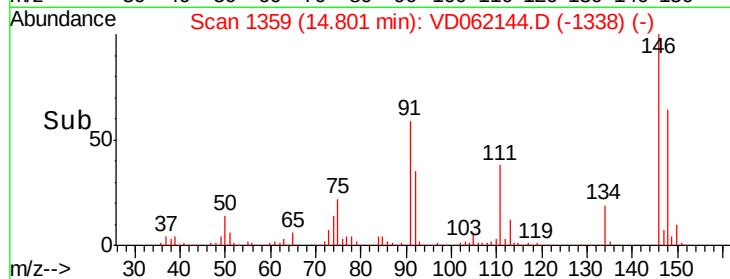
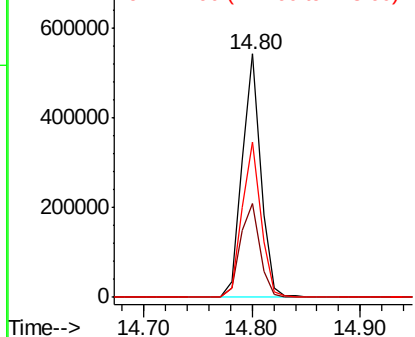
#91
 1,2-Dichlorobenzene
 Concen: 50.260 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. 0.01 min
 Lab File: VD062144.D
 Acq: 7 May 2019 20:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 653490
 Ion Ratio Lower Upper
 146 100
 111 38.3 20.0 59.9
 148 63.8 32.3 96.8

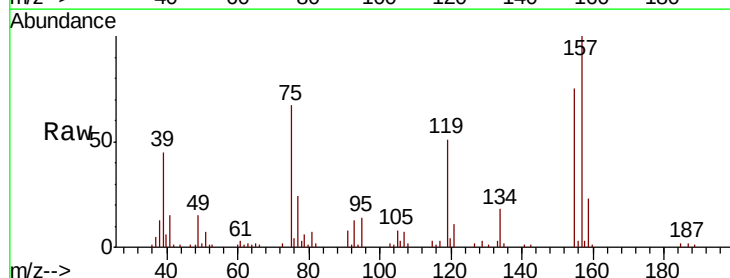


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

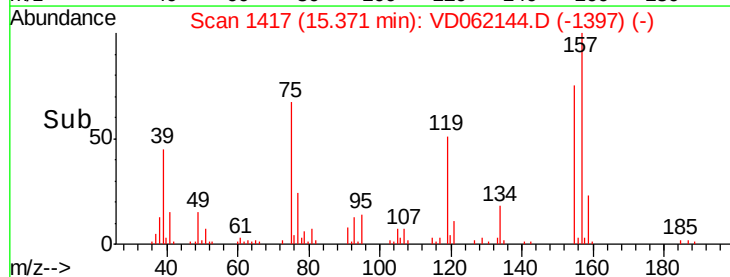
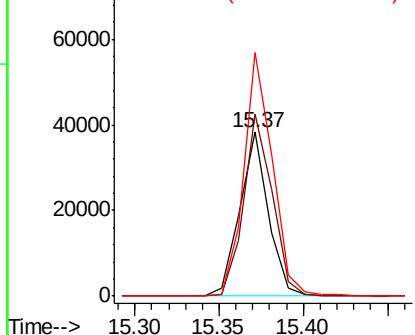


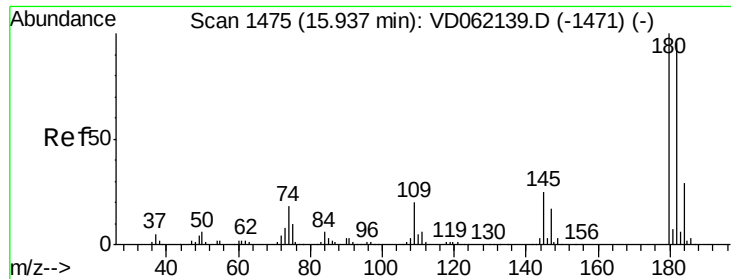
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.741 ug/l
 RT: 15.37 min Scan# 1417
 Delta R.T. -0.00 min
 Lab File: VD062144.D
 Acq: 7 May 2019 20:24

Tgt Ion: 75 Resp: 44844
 Ion Ratio Lower Upper
 75 100
 155 111.1 55.3 165.8
 157 148.7 67.8 203.2



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V

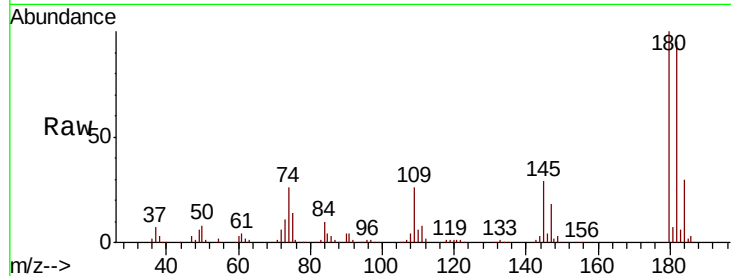




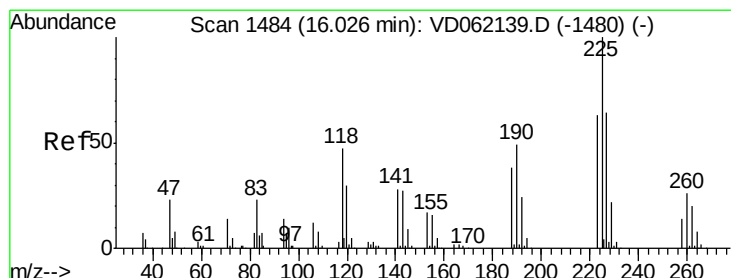
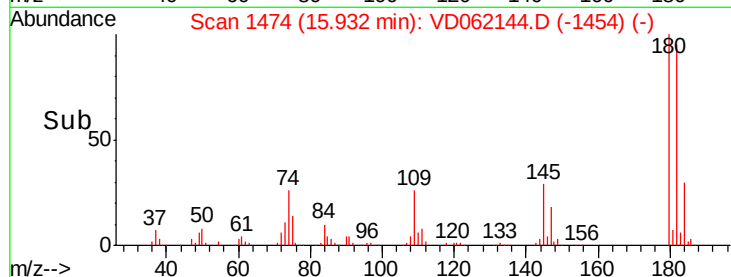
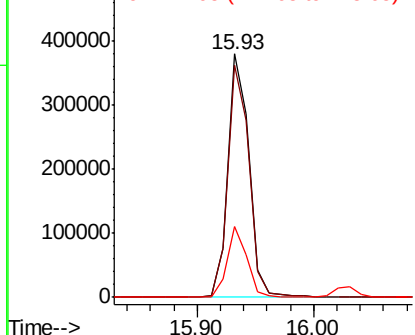
#93
 1,2,4-Trichlorobenzene
 Concen: 50.254 ug/l
 RT: 15.93 min Scan# 1474
 Delta R.T. -0.00 min
 Lab File: VD062144.D
 Acq: 7 May 2019 20:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 475600
 Ion Ratio Lower Upper
 180 100
 182 95.4 49.3 147.8
 145 29.2 16.2 48.6

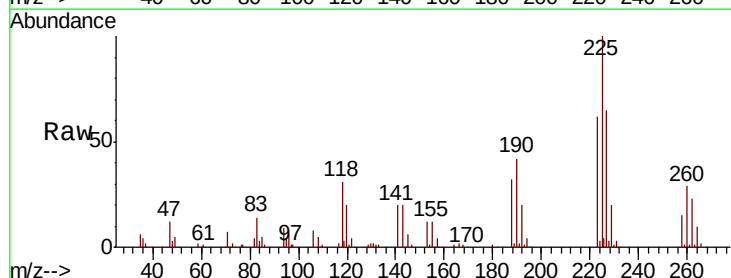


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

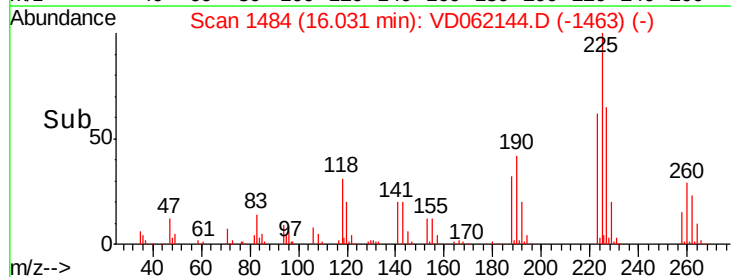
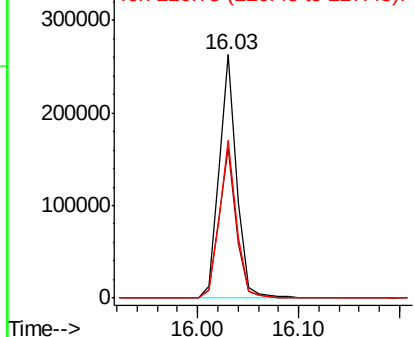


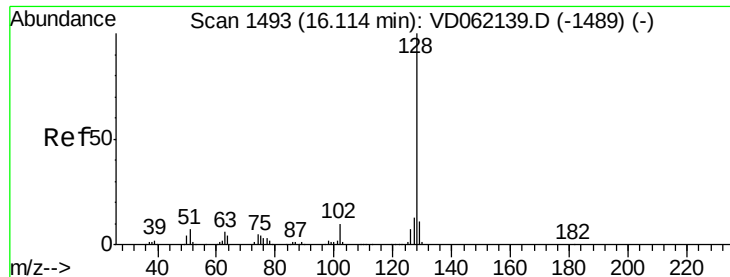
#94
 Hexachlorobutadiene
 Concen: 45.853 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. 0.01 min
 Lab File: VD062144.D
 Acq: 7 May 2019 20:24

Tgt Ion:225 Resp: 322756
 Ion Ratio Lower Upper
 225 100
 223 61.6 30.6 92.0
 227 64.6 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: 53.546 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. 0.01 min

Lab File: VD062144.D

Acq: 7 May 2019 20:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

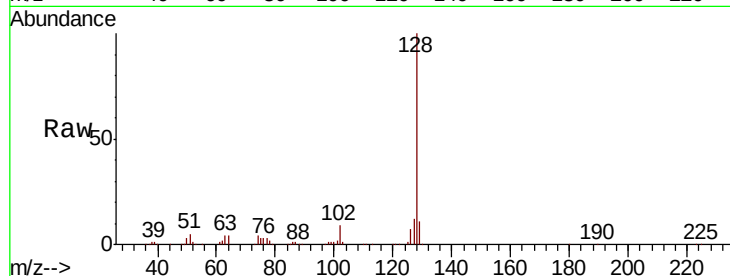
Tot Ion:128 Resp: 707477

Ion Ratio Lower Upper

128 100

127 12.4 9.8 14.8

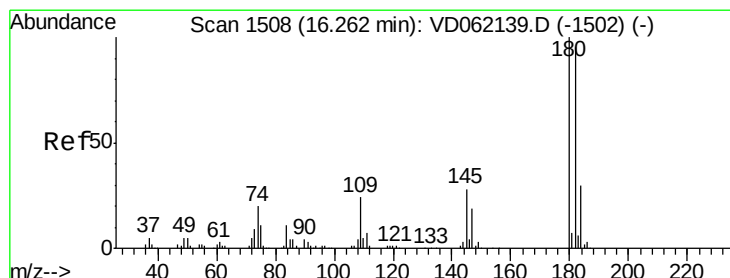
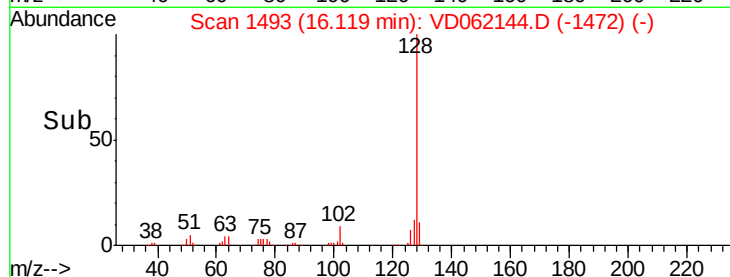
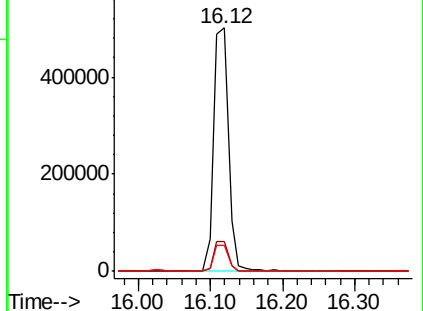
129 10.6 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 55.138 ug/l

RT: 16.27 min Scan# 1508

Delta R.T. 0.01 min

Lab File: VD062144.D

Acq: 7 May 2019 20:24

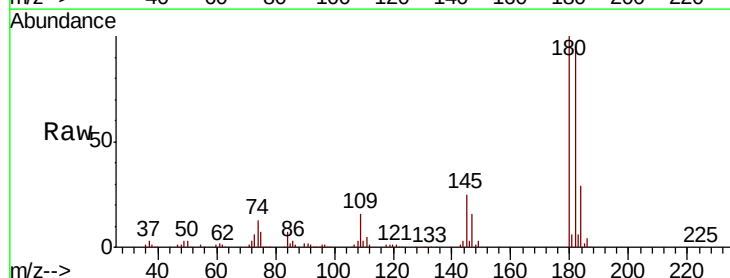
Tgt Ion:180 Resp: 328087

Ion Ratio Lower Upper

180 100

182 94.8 47.0 141.0

145 25.1 17.0 51.0



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

