

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD052319\
 Data File : VD062524.D
 Acq On : 23 May 2019 18:22
 Operator : VA/AP
 Sample : VSTDCCC050EC
 Misc : 5.00µl/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: May 24 01:21:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 03:32:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	369125	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.23	114	509258	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.38	117	410183	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.54	152	243658	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	218677	55.34	ug/l	0.00
Spiked Amount						
			Recovery	=	110.68%	
35) Dibromofluoromethane	6.93	113	224103	48.78	ug/l	-0.01
Spiked Amount						
			Recovery	=	97.56%	
50) Toluene-d8	10.42	98	487925	48.53	ug/l	0.00
Spiked Amount						
			Recovery	=	97.06%	
62) 4-Bromofluorobenzene	13.57	95	229499	52.18	ug/l	0.00
Spiked Amount						
			Recovery	=	104.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	164156	47.252	ug/l	95
3) Chloromethane	1.74	50	116870	45.704	ug/l	99
4) Vinyl Chloride	1.84	62	134373	49.937	ug/l	97
5) Bromomethane	2.15	94	64465	55.519	ug/l	95
6) Chloroethane	2.26	64	72654	55.815	ug/l #	87
7) Trichlorofluoromethane	2.53	101	276468	44.468	ug/l	95
8) Diethyl Ether	2.87	74	39048	46.558	ug/l	75
9) 1,1,2-Trichlorotrifluoroet	3.14	101	155523	42.047	ug/l	95
10) Methyl Iodide	3.30	142	277410	53.788	ug/l #	86
11) Tert butyl alcohol	4.08	59	49593	271.917	ug/l	98
12) 1,1-Dichloroethene	3.12	96	113714	41.598	ug/l	86
13) Acrolein	3.03	56	42318	279.401	ug/l #	82
14) Allyl chloride	3.61	41	189162	46.931	ug/l #	70
15) Acrylonitrile	4.18	53	98863	236.560	ug/l	88
16) Acetone	3.22	43	168941	238.598	ug/l #	78
17) Carbon Disulfide	3.37	76	364994	44.087	ug/l	99
18) Methyl Acetate	3.64	43	59895	49.022	ug/l	99
19) Methyl tert-butyl Ether	4.23	73	333889	52.882	ug/l	98
20) Methylene Chloride	3.81	84	139466	45.617	ug/l	90
21) trans-1,2-Dichloroethene	4.21	96	146787	45.868	ug/l	89
22) Diisopropyl ether	5.12	45	417459	48.658	ug/l	91
23) Vinyl Acetate	5.05	43	1272559	245.473	ug/l #	95
24) 1,1-Dichloroethane	4.98	63	258546	46.792	ug/l	96
25) 2-Butanone	6.07	43	170078	229.662	ug/l	96
26) 2,2-Dichloropropane	6.02	77	291043	48.864	ug/l	88
27) cis-1,2-Dichloroethene	6.03	96	155147	44.960	ug/l	90
28) Bromochloromethane	6.44	49	95725	48.270	ug/l	95
29) Tetrahydrofuran	6.46	42	79892	225.887	ug/l	98
30) Chloroform	6.66	83	357586	50.762	ug/l	99
31) Cyclohexane	6.96	56	163506	43.826	ug/l	90
32) 1,1,1-Trichloroethane	6.87	97	360725	50.721	ug/l	98
36) 1,1-Dichloropropene	7.16	75	240351	49.365	ug/l	96
37) Ethyl Acetate	6.19	43	97491	51.543	ug/l	93
38) Carbon Tetrachloride	7.12	117	417751	57.731	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	196458	48.921	ug/l	93
40) Benzene	7.46	78	452665	47.398	ug/l	99
41) Methacrylonitrile	6.46	41	117071	49.282	ug/l #	79
42) 1,2-Dichloroethane	7.59	62	267369	52.869	ug/l	92
43) Isopropyl Acetate	9.25	43	129392	51.566	ug/l	93
44) Trichloroethene	8.55	130	184696	48.301	ug/l	91
45) 1,2-Dichloropropane	8.95	63	114810	49.330	ug/l	98
46) Dibromomethane	9.07	93	107376	50.896	ug/l	90
47) Bromodichloromethane	9.39	83	294460	54.866	ug/l #	96
48) Methyl methacrylate	9.13	41	87123	51.595	ug/l #	82
49) 1,4-Dioxane	9.09	88	15145	999.930	ug/l #	86
51) 4-Methyl-2-Pentanone	10.31	43	414481	250.041	ug/l	92
52) Toluene	10.52	92	331318	50.676	ug/l	100
53) t-1,3-Dichloropropene	10.92	75	236577	52.947	ug/l	98
54) cis-1,3-Dichloropropene	10.05	75	244340	52.407	ug/l #	84
55) 1,1,2-Trichloroethane	11.20	97	114022	51.457	ug/l	97
56) Ethyl methacrylate	11.05	69	118314	49.947	ug/l #	79
57) 1,3-Dichloropropane	11.43	76	172960	50.897	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.87	63	310949	255.639	ug/l	96
59) 2-Hexanone	11.54	43	316619	262.809	ug/l	91
60) Dibromochloromethane	11.70	129	236944	55.673	ug/l	99
61) 1,2-Dibromoethane	11.82	107	133402	48.852	ug/l	98
64) Tetrachloroethene	11.27	164	180397	52.525	ug/l	96
65) Chlorobenzene	12.41	112	410095	51.990	ug/l	96
66) 1,1,1,2-Tetrachloroethane	12.53	131	213003	58.499	ug/l	94
67) Ethyl Benzene	12.54	91	737122	54.254	ug/l	96
68) m/p-Xylenes	12.69	106	475912	97.582	ug/l	85
69) o-Xylene	13.06	106	243841	52.990	ug/l	81
70) Styrene	13.09	104	423794	54.137	ug/l #	93
71) Bromoform	13.25	173	147265	60.901	ug/l	98
73) Isopropylbenzene	13.41	105	732766	47.710	ug/l	94
74) N-amyl acetate	13.28	43	180314	47.534	ug/l	93
75) 1,1,2,2-Tetrachloroethane	13.72	83	124452	44.915	ug/l	94
76) 1,2,3-Trichloropropane	13.75	75	146041	50.885	ug/l	99
77) Bromobenzene	13.69	156	208069	47.756	ug/l	92
78) n-propylbenzene	13.79	91	816837	45.914	ug/l	95
79) 2-Chlorotoluene	13.86	91	496853	46.020	ug/l	97
80) 1,3,5-Trimethylbenzene	13.95	105	622640	46.821	ug/l	91
81) trans-1,4-Dichloro-2-buten	13.49	75	40240	49.715	ug/l #	72
82) 4-Chlorotoluene	13.97	91	589603	47.420	ug/l	89
83) tert-Butylbenzene	14.20	119	662104	44.885	ug/l	85
84) 1,2,4-Trimethylbenzene	14.25	105	631750	46.362	ug/l	90
85) sec-Butylbenzene	14.38	105	731177	47.537	ug/l	98
86) p-Isopropyltoluene	14.51	119	692758	49.700	ug/l	92
87) 1,3-Dichlorobenzene	14.48	146	382538	49.719	ug/l	96
88) 1,4-Dichlorobenzene	14.56	146	373526	50.309	ug/l	97
89) n-Butylbenzene	14.81	91	647296	48.119	ug/l	94
90) Hexachloroethane	15.03	117	205783	53.420	ug/l	74
91) 1,2-Dichlorobenzene	14.82	146	334634	51.148	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.39	75	26542	50.466	ug/l	64

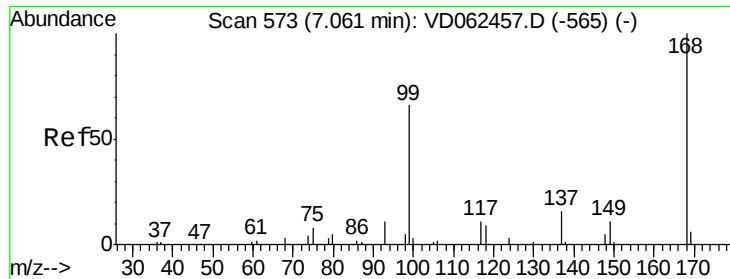
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD052319\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.96	180	244459	47.454	ug/l	96
94) Hexachlorobutadiene	16.05	225	183521	48.248	ug/l	98
95) Naphthalene	16.14	128	362353	51.478	ug/l	100
96) 1,2,3-Trichlorobenzene	16.29	180	187746	44.457	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.01 min

Lab File: VD062524.D

Acq: 23 May 2019 18:22

Instrument :

MSVOA_D

ClientSampleId :

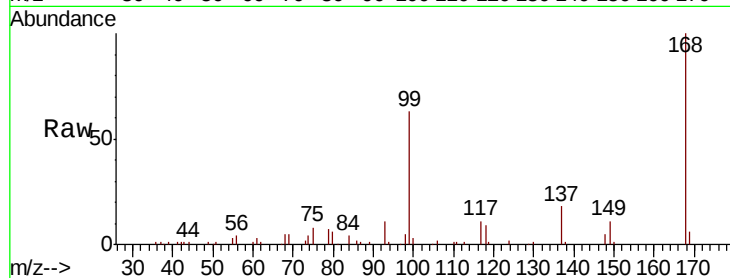
VSTDCCC050EC

Tot Ion:168 Resp: 369125

Ion Ratio Lower Upper

168 100

99 63.3 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

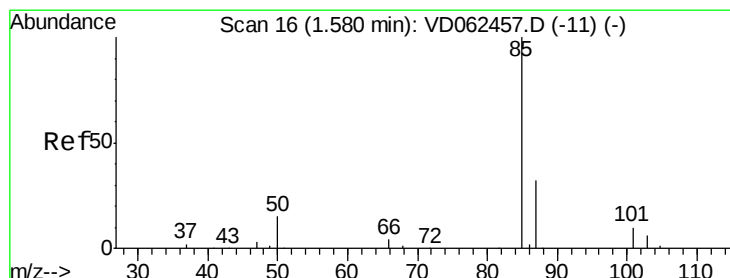
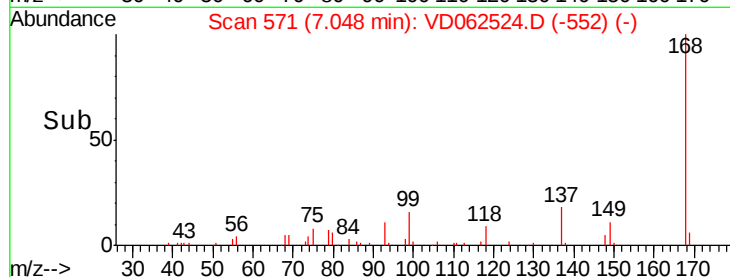
7.05

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 47.252 ug/l

RT: 1.57 min Scan# 14

Delta R.T. -0.01 min

Lab File: VD062524.D

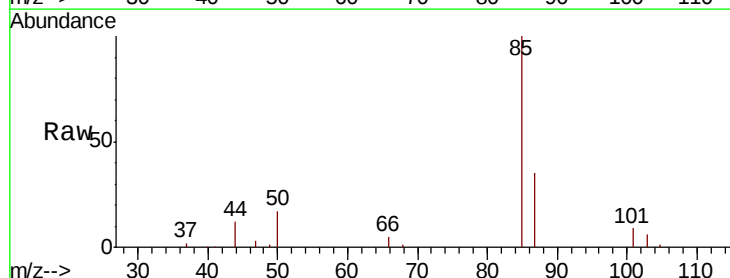
Acq: 23 May 2019 18:22

Tgt Ion: 85 Resp: 164156

Ion Ratio Lower Upper

85 100

87 35.2 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.57

100000

80000

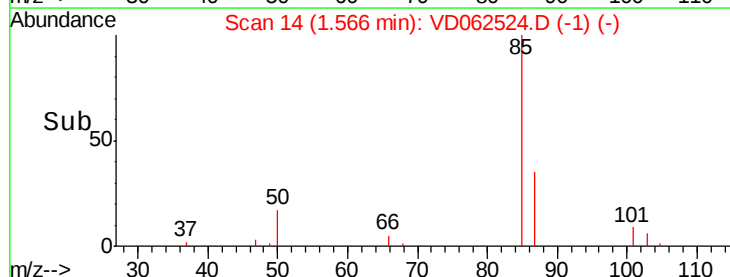
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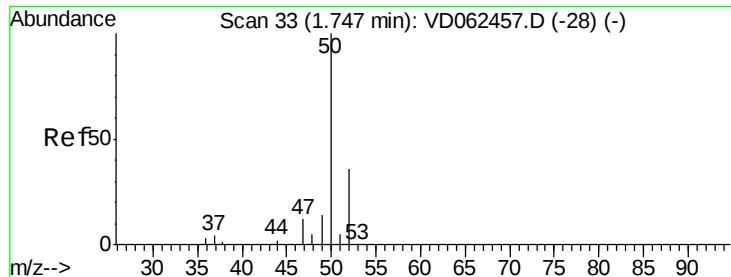
40000

20000

0

Time-->





#3

Chloromethane

Concen: 45.704 ug/l

RT: 1.74 min Scan# 32

Delta R.T. -0.00 min

Lab File: VD062524.D

Acq: 23 May 2019 18:22

Instrument :

MSVOA_D

ClientSampleId :

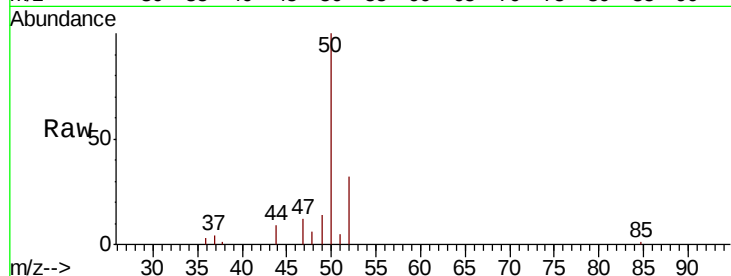
VSTDCCC050EC

Tot Ion: 50 Resp: 116870

Ion Ratio Lower Upper

50 100

52 32.1 25.2 37.8

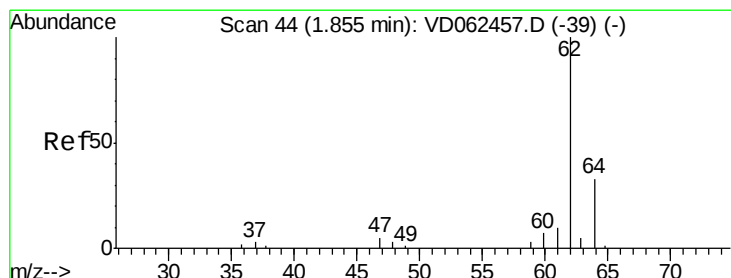
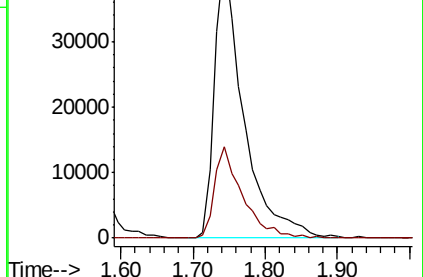
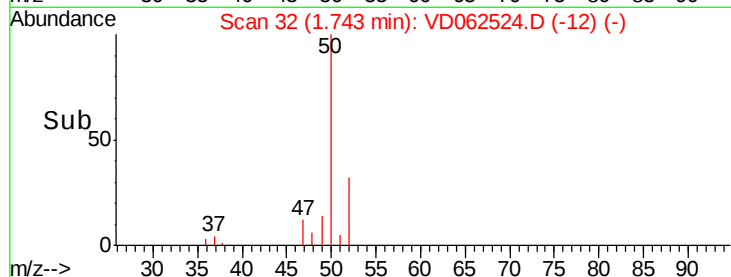


Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.74

Time-->



#4

Vinyl Chloride

Concen: 49.937 ug/l

RT: 1.84 min Scan# 42

Delta R.T. -0.01 min

Lab File: VD062524.D

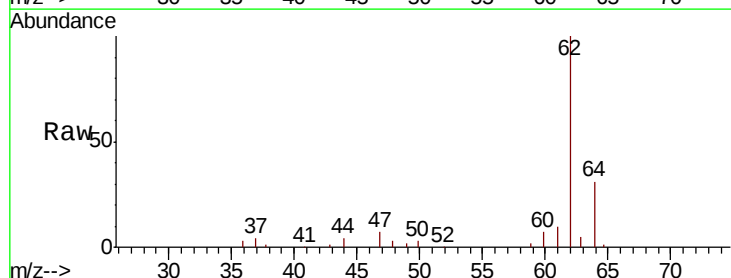
Acq: 23 May 2019 18:22

Tgt Ion: 62 Resp: 134373

Ion Ratio Lower Upper

62 100

64 31.3 26.5 39.7

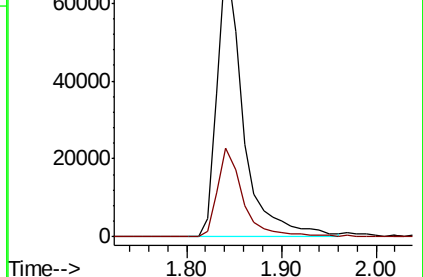
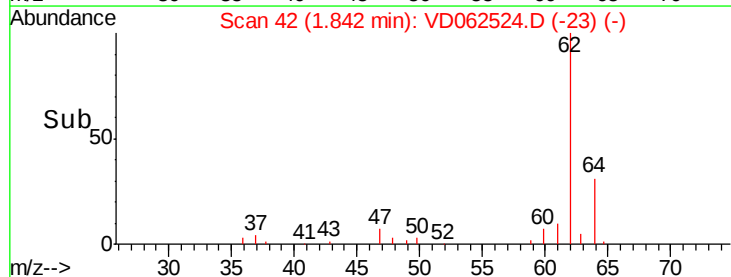


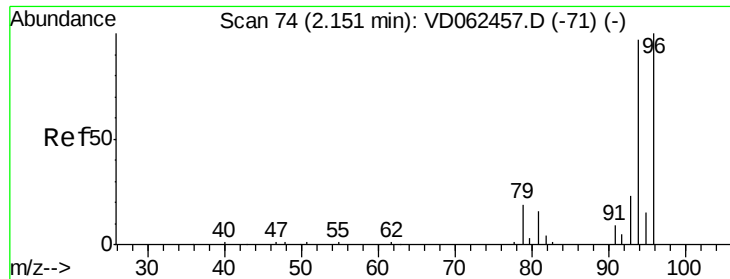
Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.84

Time-->





#5

Bromomethane

Concen: 55.519 ug/l

RT: 2.15 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD062524.D

Acq: 23 May 2019 18:22

Instrument :

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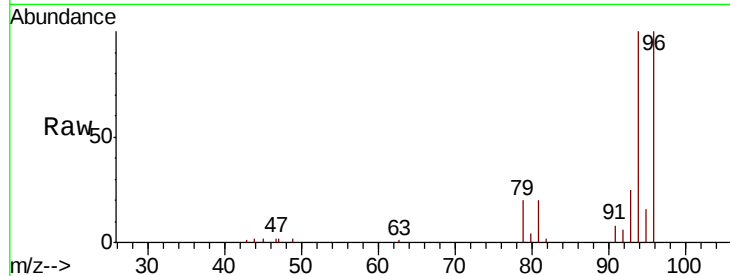
Tot Ion: 94 Resp: 64465

Ion Ratio Lower Upper

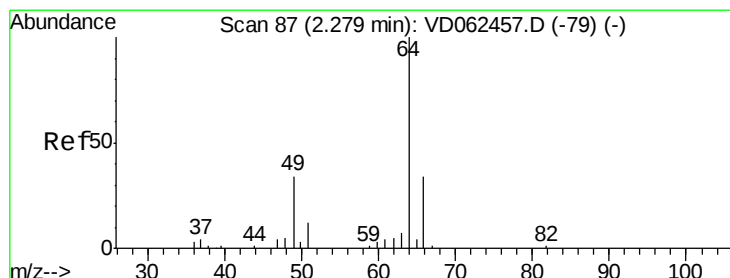
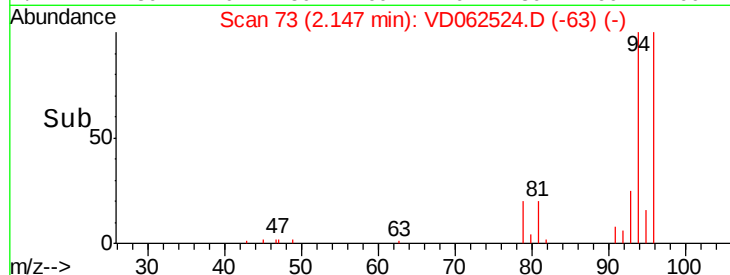
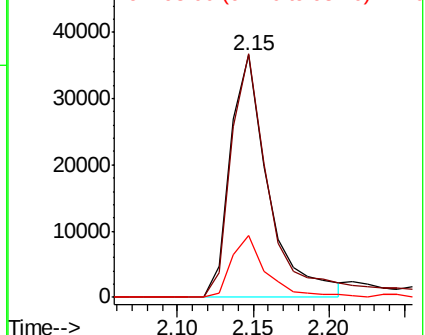
94 100

96 100.5 76.6 115.0

93 25.6 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: 55.815 ug/l

RT: 2.26 min Scan# 84

Delta R.T. -0.02 min

Lab File: VD062524.D

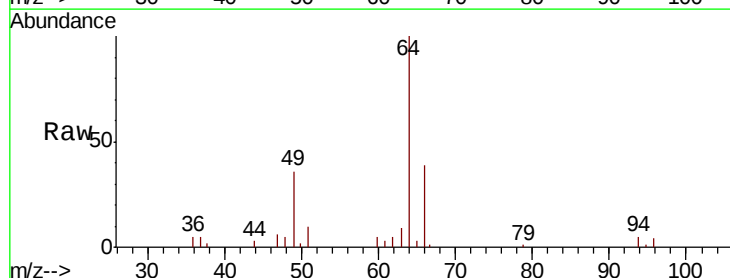
Acq: 23 May 2019 18:22

Tgt Ion: 64 Resp: 72654

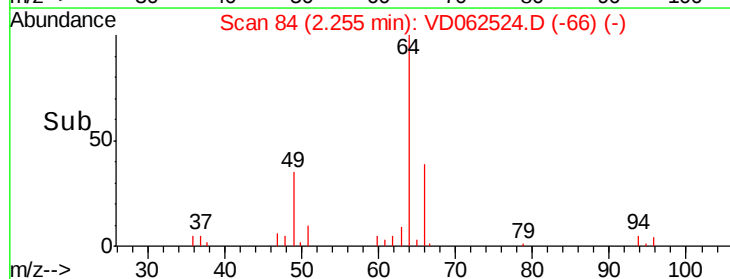
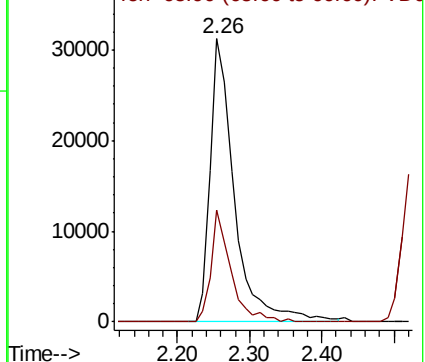
Ion Ratio Lower Upper

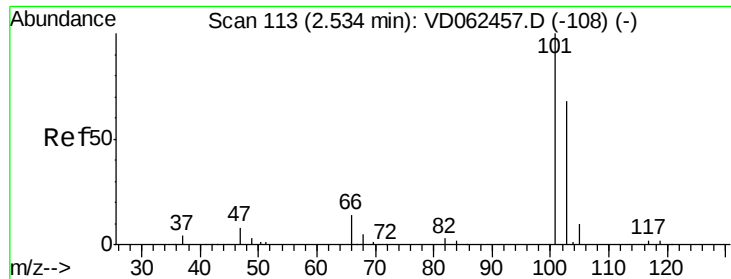
64 100

66 39.3 25.6 38.4#



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



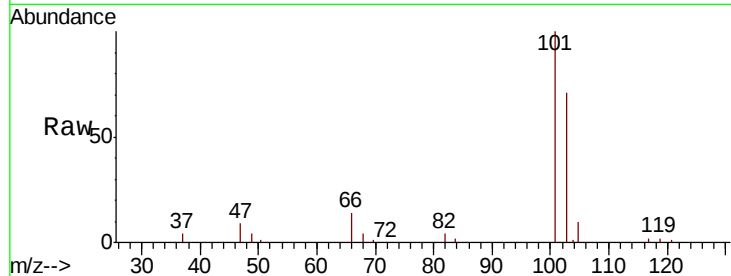


#7

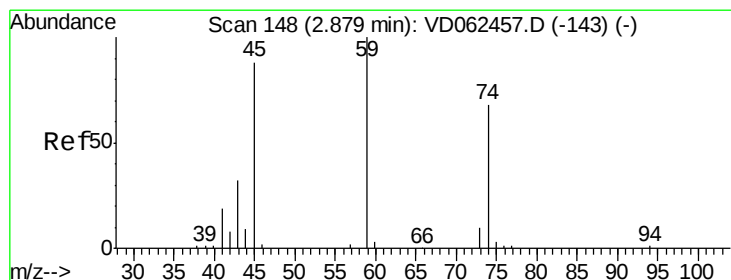
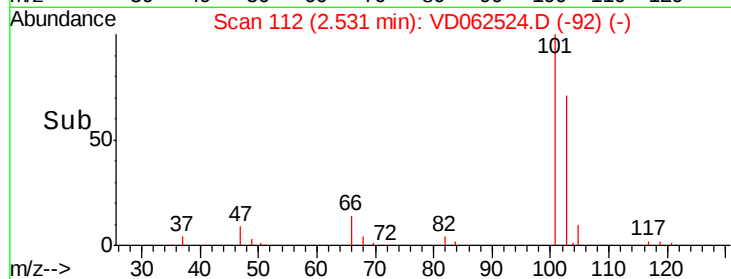
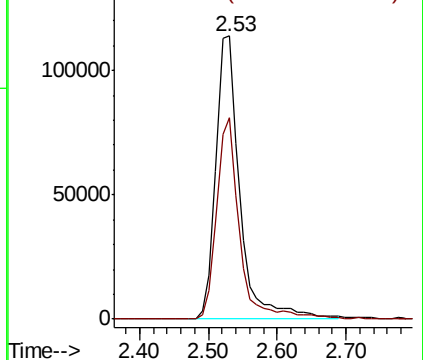
Trichlorofluoromethane
Concen: 44.468 ug/l
RT: 2.53 min Scan# 112
Delta R.T. -0.00 min
Lab File: VD062524.D
Acq: 23 May 2019 18:22

Instrument :
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VSTDCCC050EC

Tot Ion:101 Resp: 276468
Ion Ratio Lower Upper
101 100
103 71.3 53.6 80.4



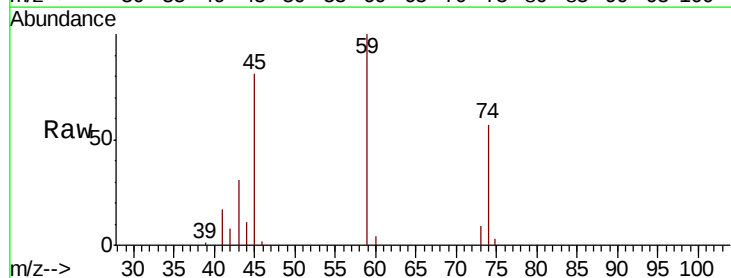
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



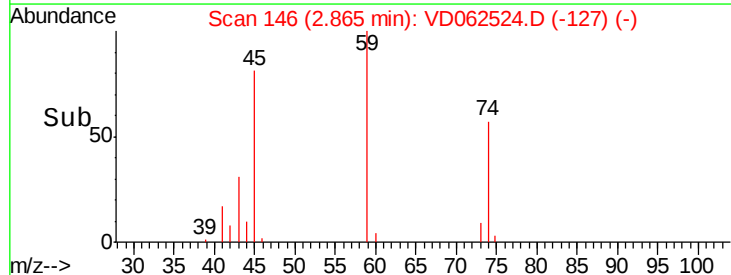
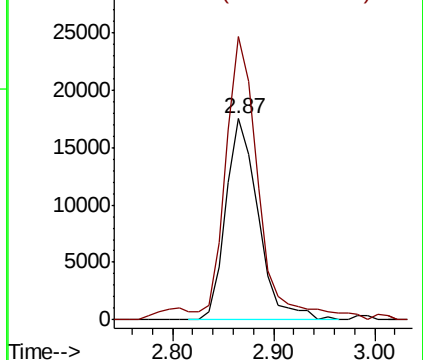
#8

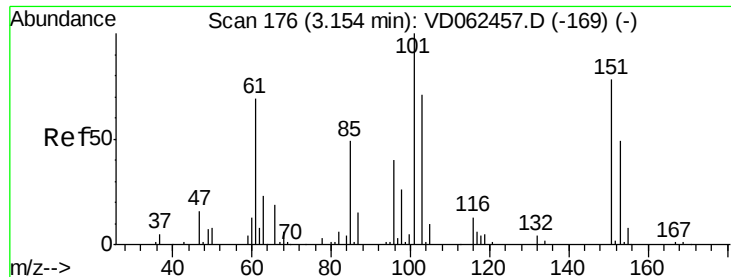
Diethyl Ether
Concen: 46.558 ug/l
RT: 2.87 min Scan# 146
Delta R.T. -0.01 min
Lab File: VD062524.D
Acq: 23 May 2019 18:22

Tgt Ion: 74 Resp: 39048
Ion Ratio Lower Upper
74 100
45 140.6 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: 42.047 ug/l

RT: 3.14 min Scan# 174

Delta R.T. -0.01 min

Lab File: VD062524.D

Acq: 23 May 2019 18:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

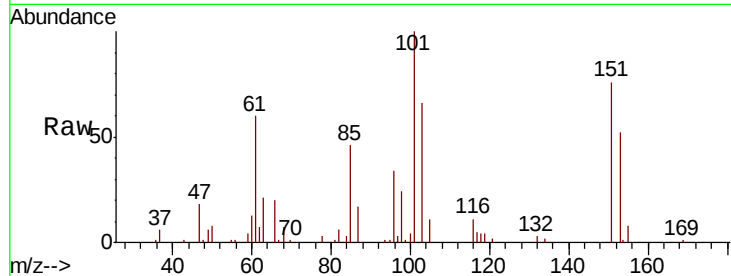
Tot Ion:101 Resp: 155523

Ion Ratio Lower Upper

101 100

85 46.3 32.4 48.6

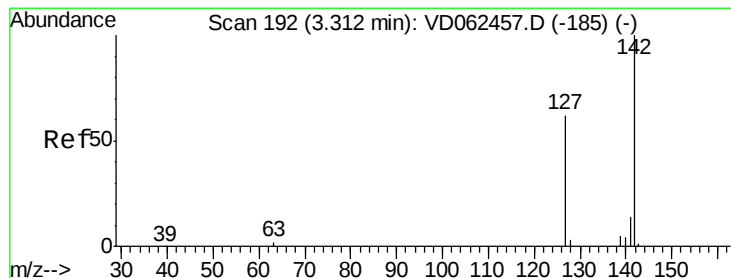
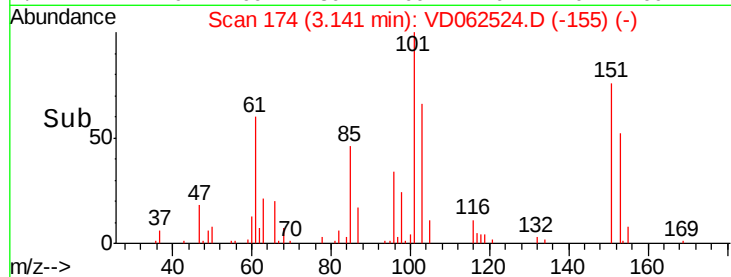
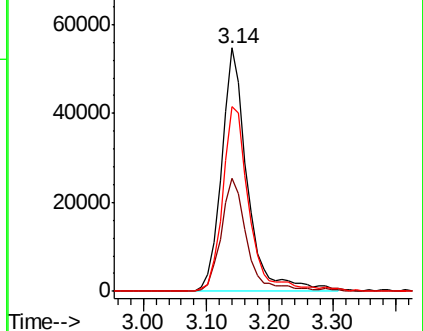
151 75.8 59.4 89.0



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: 53.788 ug/l

RT: 3.30 min Scan# 190

Delta R.T. -0.01 min

Lab File: VD062524.D

Acq: 23 May 2019 18:22

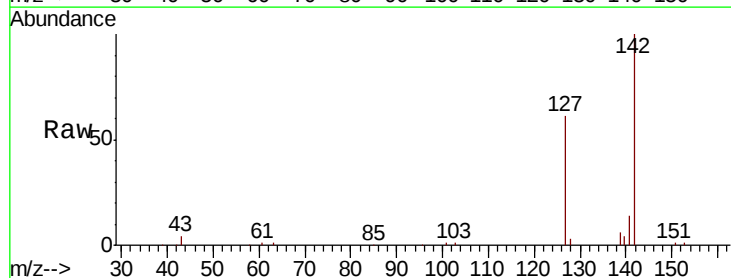
Tgt Ion:142 Resp: 277410

Ion Ratio Lower Upper

142 100

127 60.5 38.8 58.2#

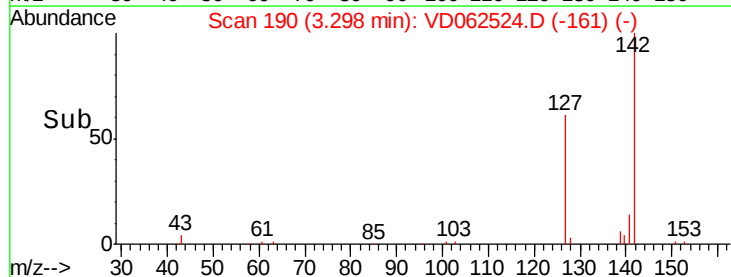
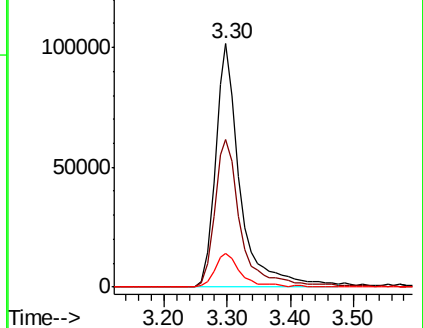
141 14.0 11.4 17.0

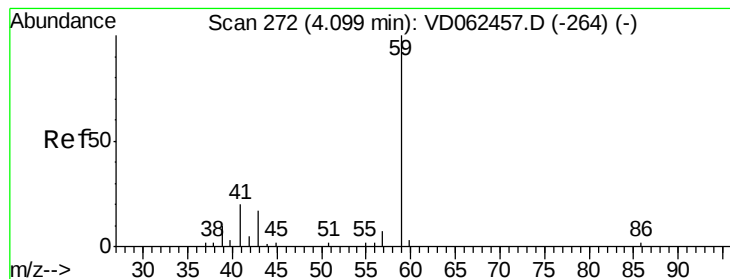


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



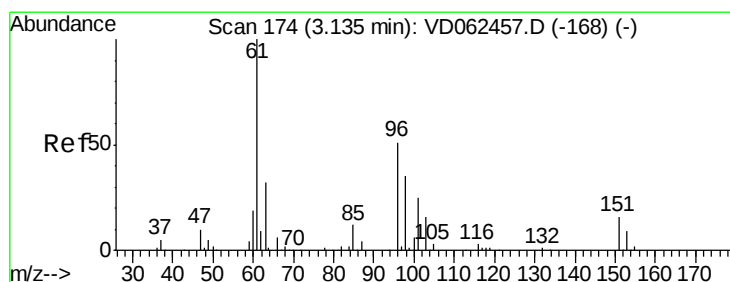
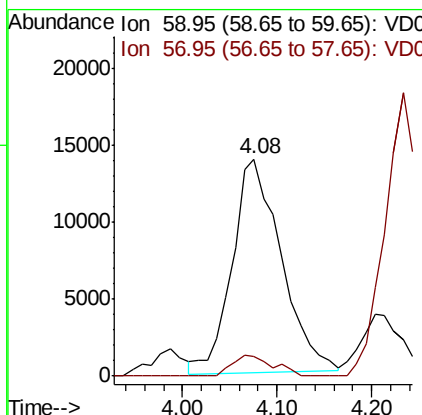
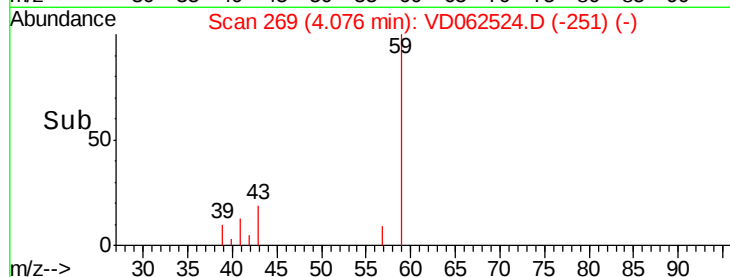
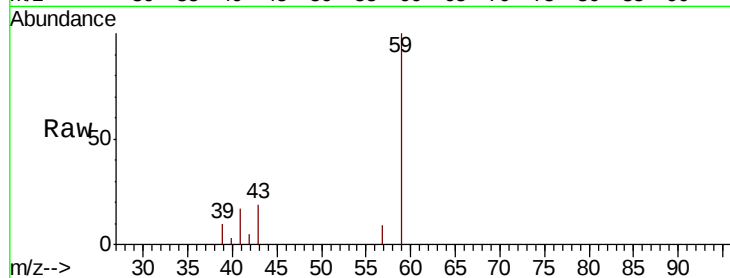


#11

Tert butyl alcohol
 Concen: 271.917 ug/l
 RT: 4.08 min Scan# 269
 Delta R.T. -0.02 min
 Lab File: VD062524.D
 Acq: 23 May 2019 18:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

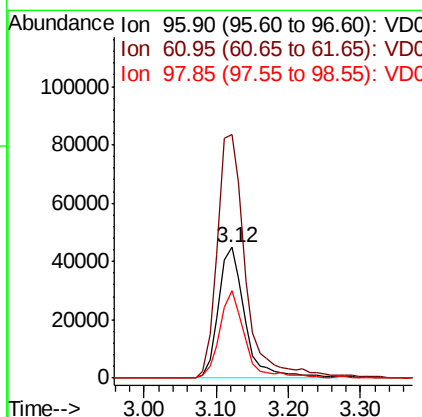
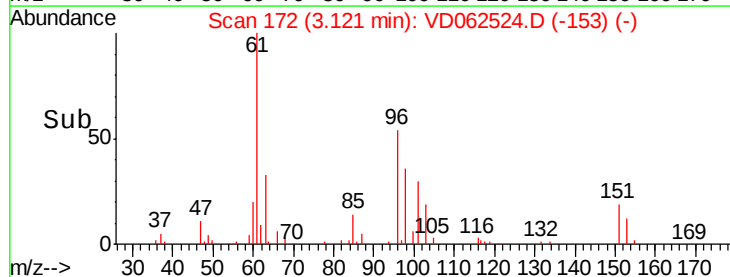
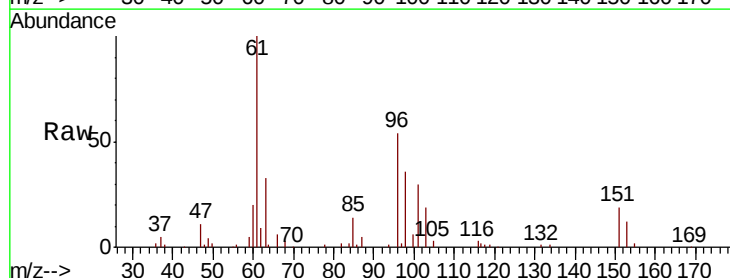
Tot Ion: 59 Resp: 49593
 Ion Ratio Lower Upper
 59 100
 57 9.3 6.9 10.3

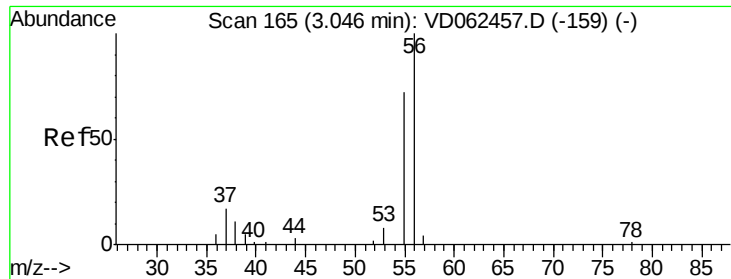


#12

1,1-Dichloroethene
 Concen: 41.598 ug/l
 RT: 3.12 min Scan# 172
 Delta R.T. -0.01 min
 Lab File: VD062524.D
 Acq: 23 May 2019 18:22

Tgt Ion: 96 Resp: 113714
 Ion Ratio Lower Upper
 96 100
 61 186.0 129.8 194.8
 98 67.0 51.2 76.8





#13

Acrolein

Concen: 279.401 ug/l

RT: 3.03 min Scan# 163

Delta R.T. -0.01 min

Lab File: VD062524.D

Acq: 23 May 2019 18:22

Instrument :

MSVOA_D

ClientSampleId :

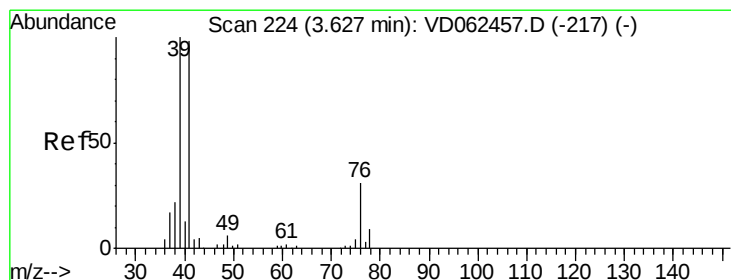
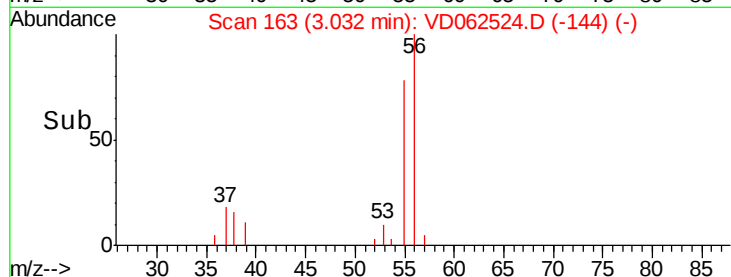
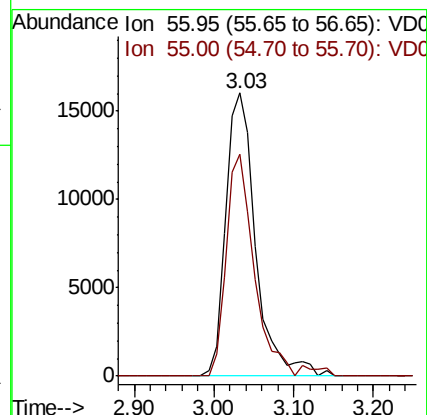
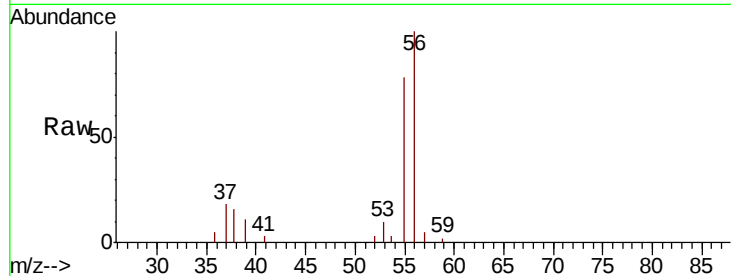
VSTDCCC050EC

Tot Ion: 56 Resp: 42318

Ion Ratio Lower Upper

56 100

55 78.5 51.4 77.2#



#14

Allyl chloride

Concen: 46.931 ug/l

RT: 3.61 min Scan# 222

Delta R.T. -0.01 min

Lab File: VD062524.D

Acq: 23 May 2019 18:22

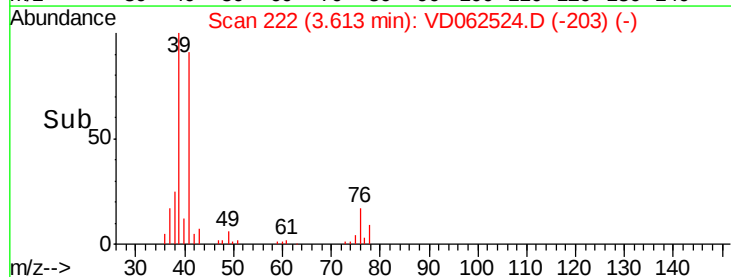
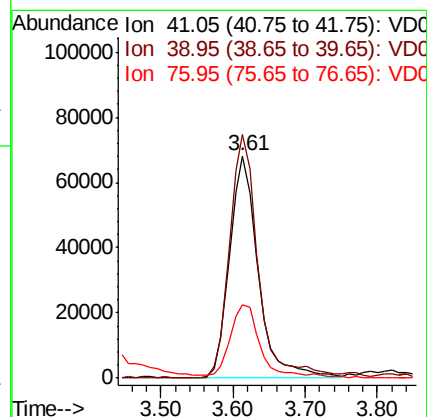
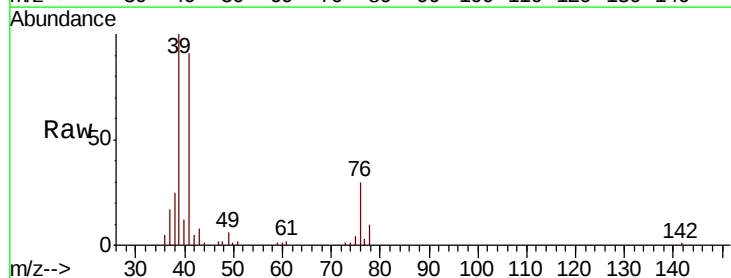
Tgt Ion: 41 Resp: 189162

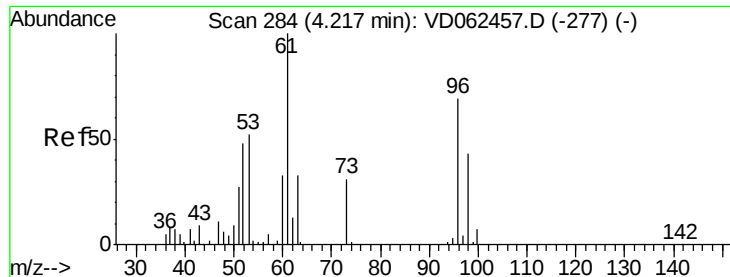
Ion Ratio Lower Upper

41 100

39 109.6 60.5 90.7#

76 33.2 31.8 47.8





#15

Acrylonitrile

Concen: 236.560 ug/l

RT: 4.18 min Scan# 280

Delta R.T. -0.03 min

Lab File: VD062524.D

Acq: 23 May 2019 18:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

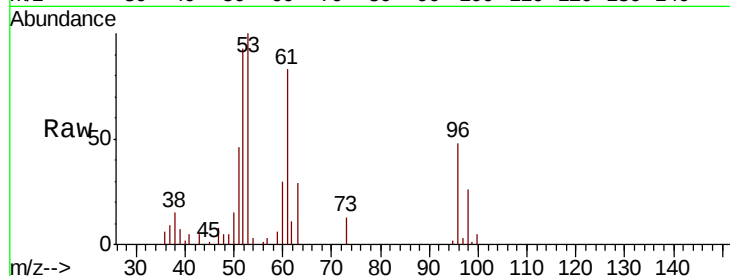
Tot Ion: 53 Resp: 98863

Ion Ratio Lower Upper

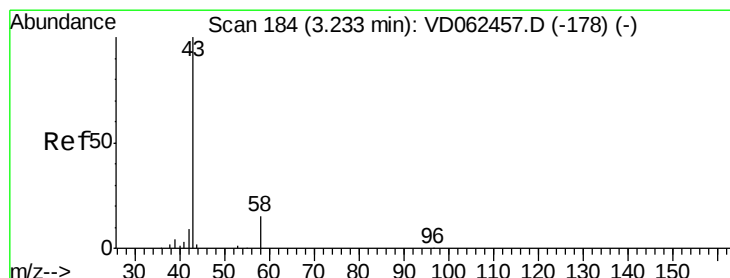
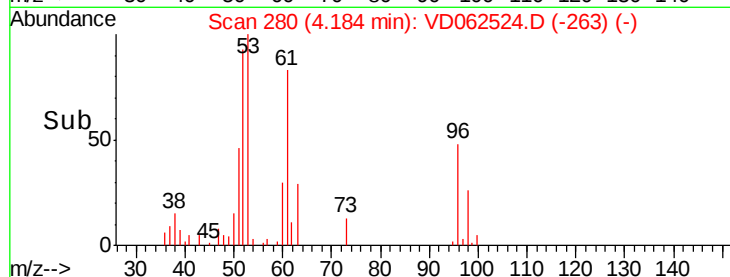
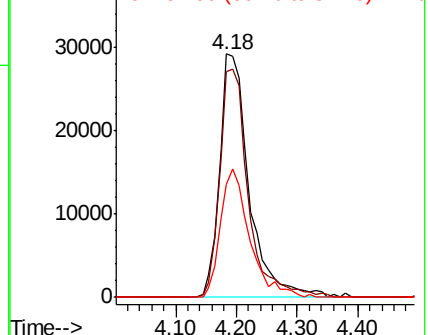
53 100

52 92.7 65.0 97.4

51 46.4 32.6 48.8



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



#16

Acetone

Concen: 238.598 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD062524.D

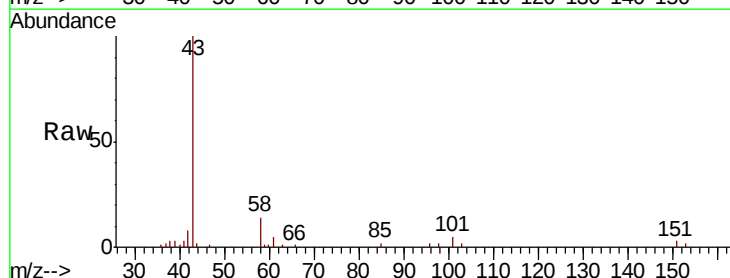
Acq: 23 May 2019 18:22

Tgt Ion: 43 Resp: 168941

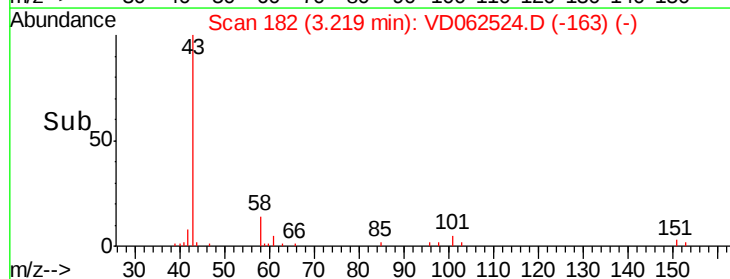
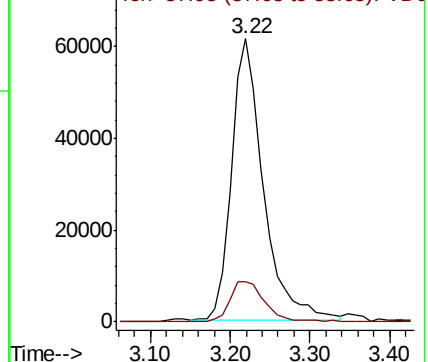
Ion Ratio Lower Upper

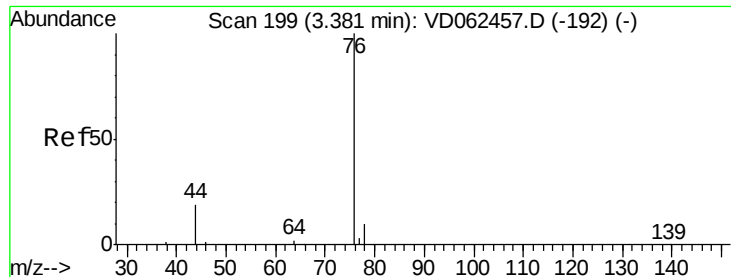
43 100

58 14.0 19.9 29.9#



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

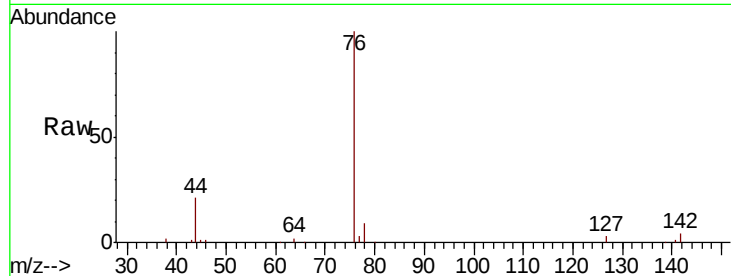




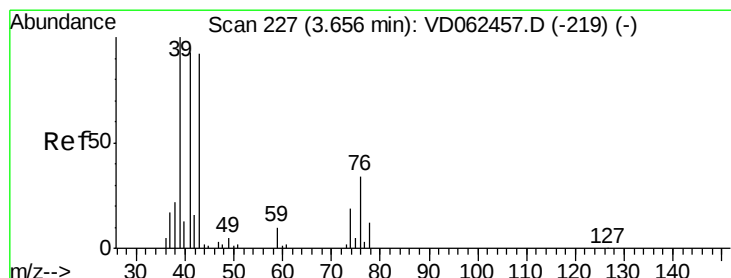
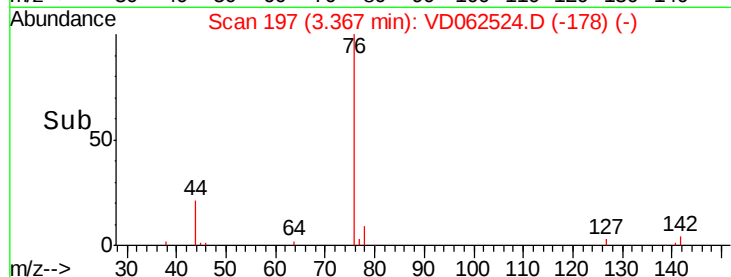
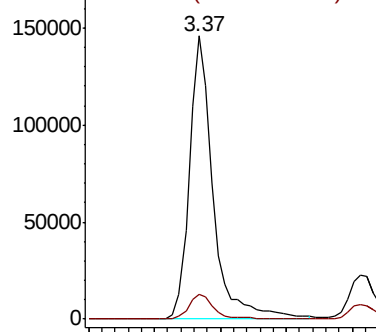
#17
Carbon Disulfide
Concen: 44.087 ug/l
RT: 3.37 min Scan# 197
Delta R.T. -0.01 min
Lab File: VD062524.D
Acq: 23 May 2019 18:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 76 Resp: 364994
Ion Ratio Lower Upper
76 100
78 8.8 7.2 10.8

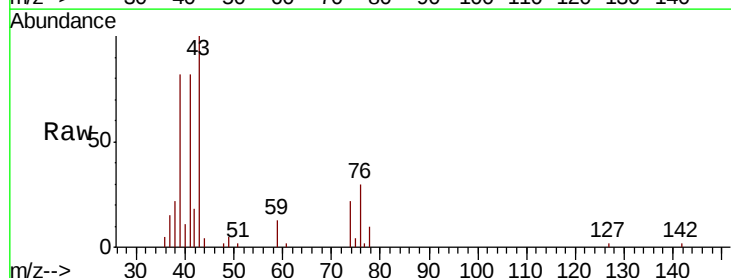


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

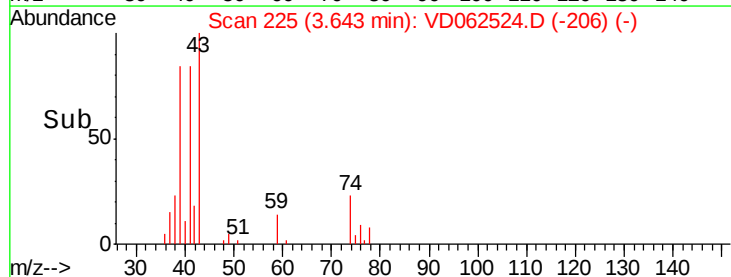
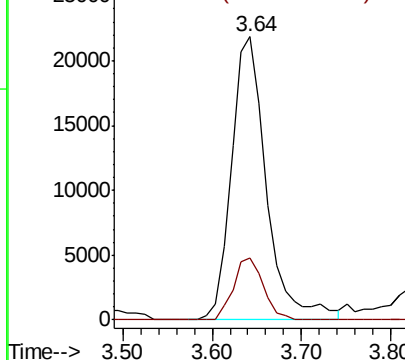


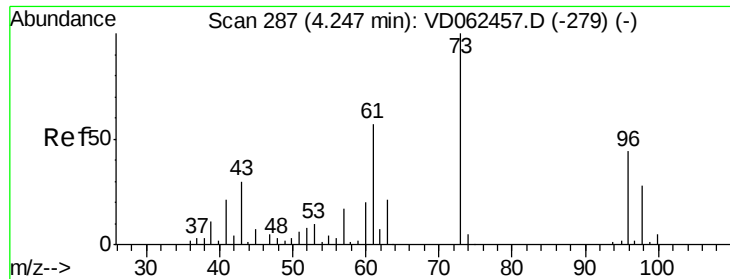
#18
Methyl Acetate
Concen: 49.022 ug/l
RT: 3.64 min Scan# 225
Delta R.T. -0.01 min
Lab File: VD062524.D
Acq: 23 May 2019 18:22

Tgt Ion: 43 Resp: 59895
Ion Ratio Lower Upper
43 100
74 22.0 18.0 27.0



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

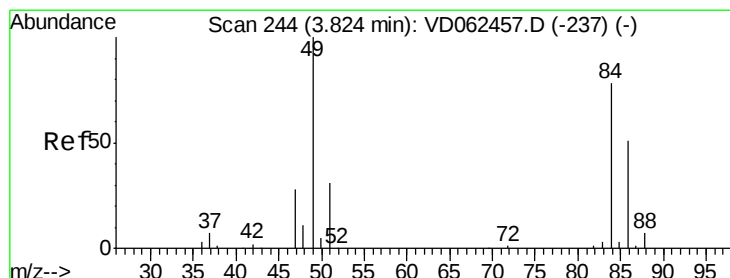
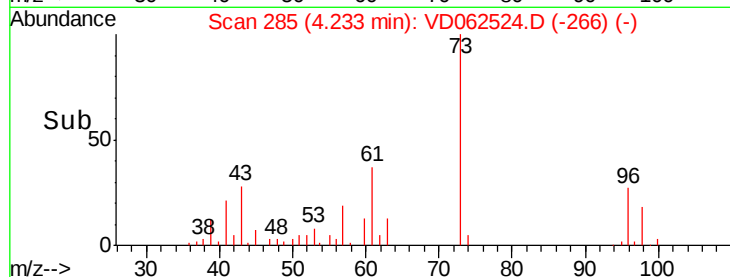
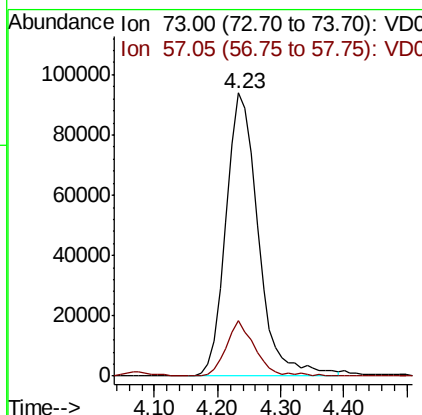
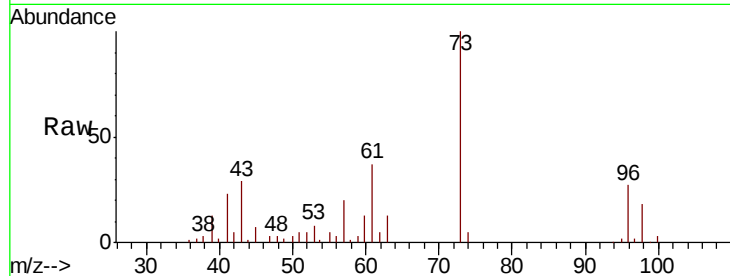




#19
Methvl tert-butvl Ether
Concen: 52.882 ug/l
RT: 4.23 min Scan# 285
Delta R.T. -0.01 min
Lab File: VD062524.D
Acq: 23 May 2019 18:22

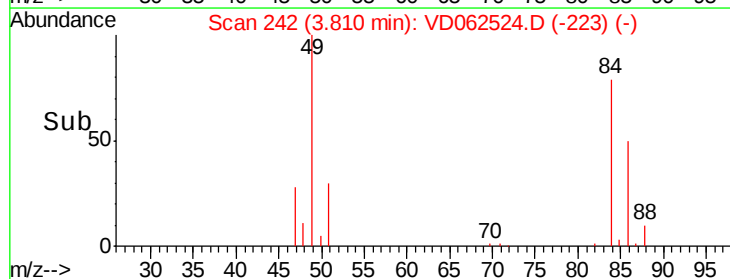
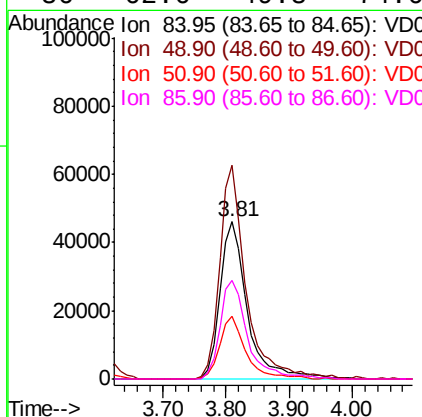
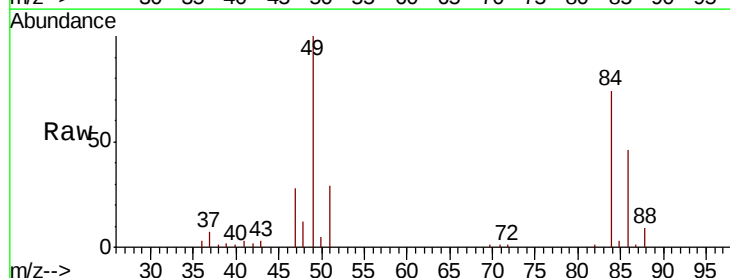
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

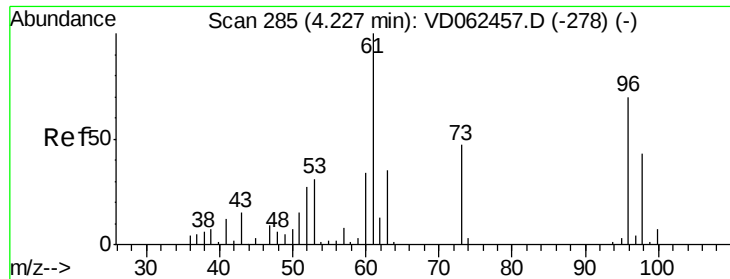
Tot Ion: 73 Resp: 333889
Ion Ratio Lower Upper
73 100
57 19.6 16.3 24.5



#20
Methylene Chloride
Concen: 45.617 ug/l
RT: 3.81 min Scan# 242
Delta R.T. -0.01 min
Lab File: VD062524.D
Acq: 23 May 2019 18:22

Tgt Ion: 84 Resp: 139466
Ion Ratio Lower Upper
84 100
49 135.8 94.0 141.0
51 39.9 29.0 43.4
86 62.6 49.8 74.6

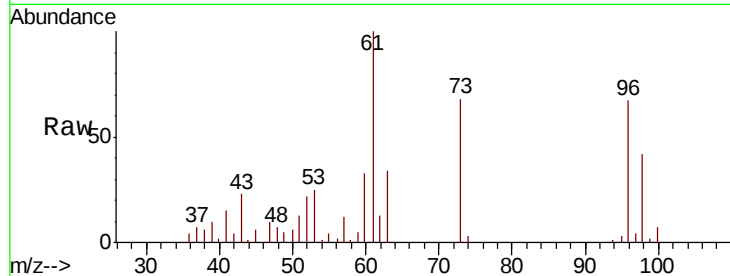




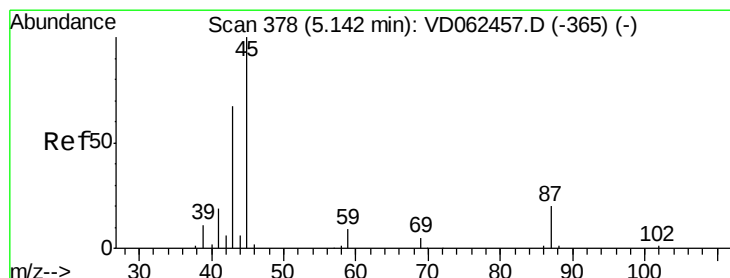
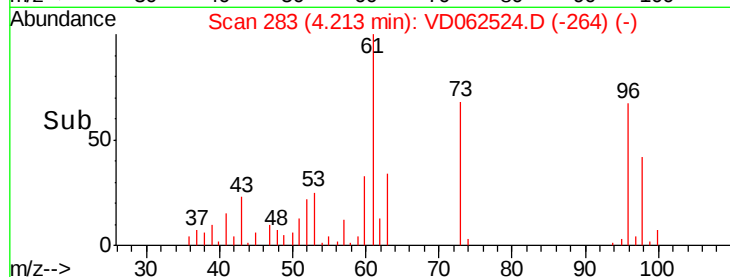
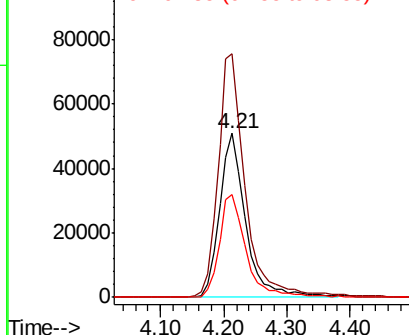
#21
trans-1,2-Dichloroethene
Concen: 45.868 ug/l
RT: 4.21 min Scan# 283
Delta R.T. -0.01 min
Lab File: VD062524.D
Acq: 23 May 2019 18:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 96 Resp: 146787
Ion Ratio Lower Upper
96 100
61 148.6 104.4 156.6
98 63.1 51.8 77.8

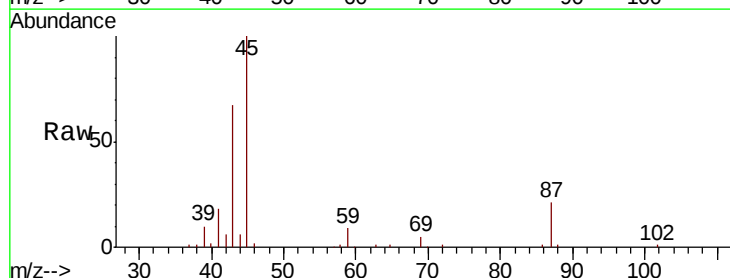


Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC

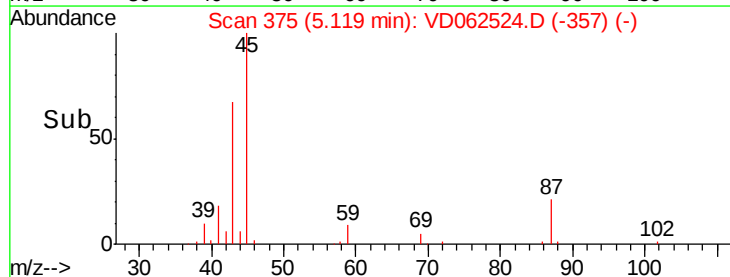
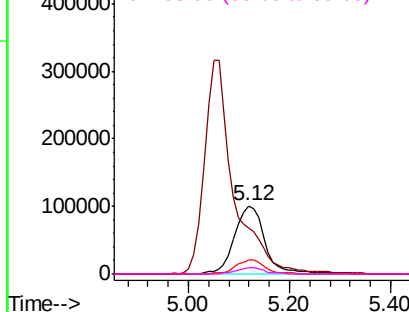


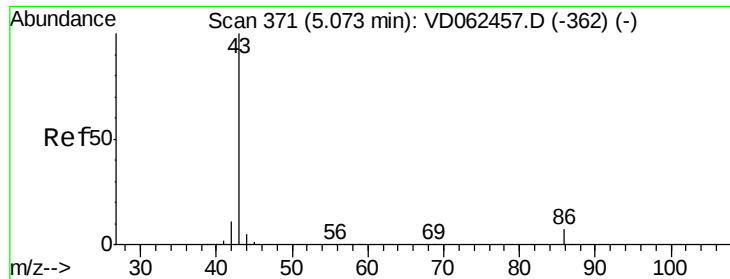
#22
Diisopropyl ether
Concen: 48.658 ug/l
RT: 5.12 min Scan# 375
Delta R.T. -0.02 min
Lab File: VD062524.D
Acq: 23 May 2019 18:22

Tgt Ion: 45 Resp: 417459
Ion Ratio Lower Upper
45 100
43 67.2 46.2 69.2
87 21.2 15.9 23.9
59 9.2 7.9 11.9



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





#23

Vinyl Acetate

Concen: 245.473 ug/l

RT: 5.05 min Scan# 368

Delta R.T. -0.02 min

Lab File: VD062524.D

Acq: 23 May 2019 18:22

Instrument :

MSVOA_D

ClientSampleId :

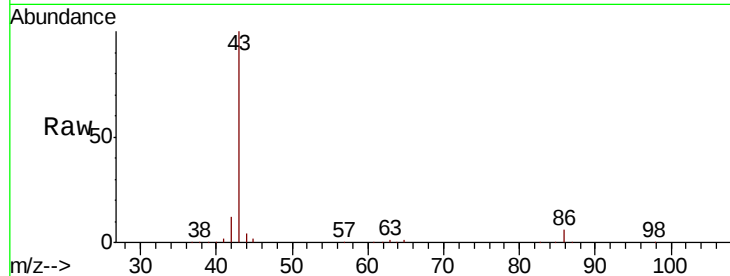
VSTDCCC050EC

Tot Ion: 43 Resp: 1272559

Ion Ratio Lower Upper

43 100

86 6.2 6.4 9.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.05

300000

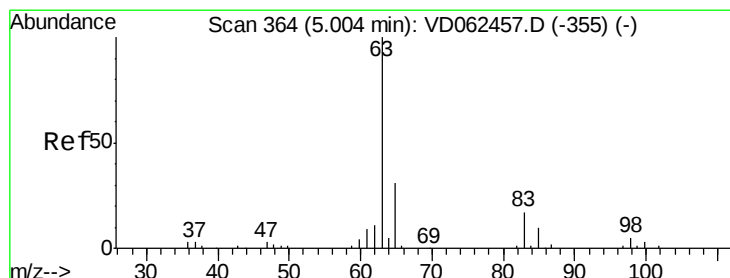
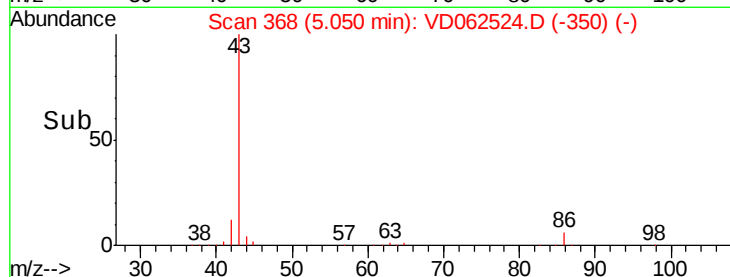
200000

100000

0

Time-->

4.90 5.00 5.10 5.20 5.30



#24

1,1-Dichloroethane

Concen: 46.792 ug/l

RT: 4.98 min Scan# 361

Delta R.T. -0.02 min

Lab File: VD062524.D

Acq: 23 May 2019 18:22

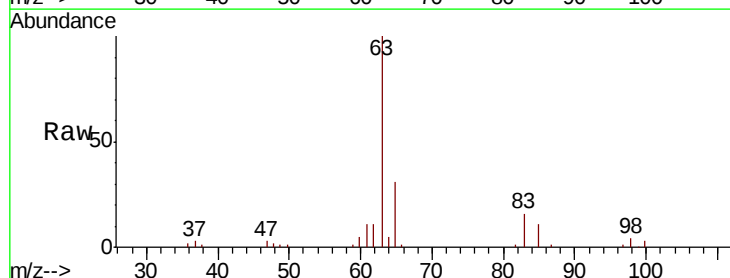
Tgt Ion: 63 Resp: 258546

Ion Ratio Lower Upper

63 100

98 3.9 2.8 8.4

100 2.7 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

100000

80000

60000

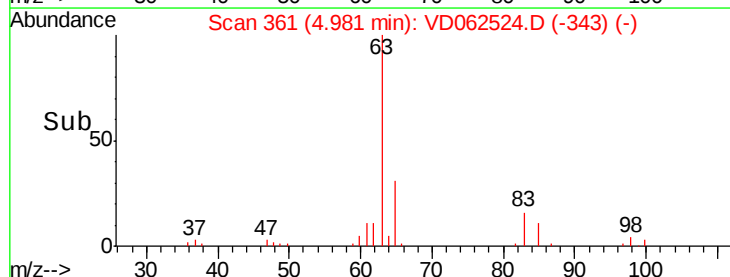
40000

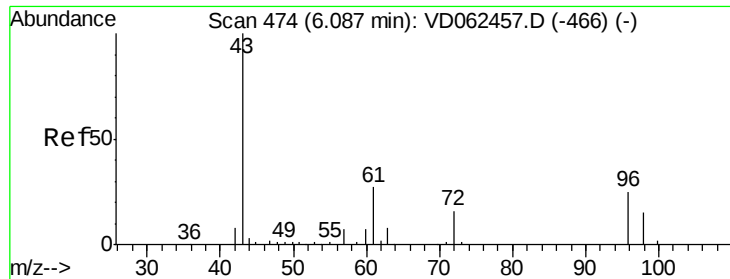
20000

0

Time-->

4.80 4.90 5.00 5.10 5.20





#25

2-Butanone

Concen: 229.662 ug/l

RT: 6.07 min Scan# 472

Delta R.T. -0.01 min

Lab File: VD062524.D

Acq: 23 May 2019 18:22

Instrument :

MSVOA_D

ClientSampleId :

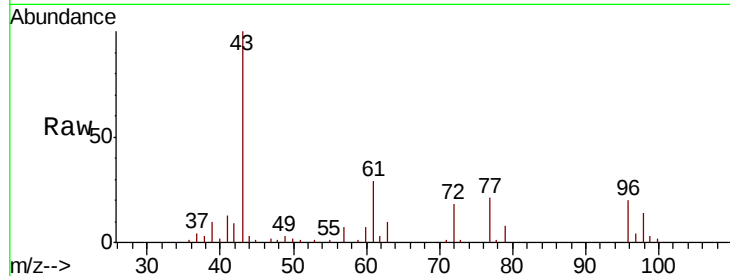
VSTDCCC050EC

Tot Ion: 43 Resp: 170078

Ion Ratio Lower Upper

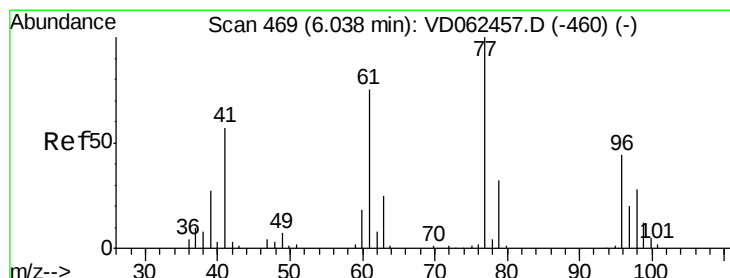
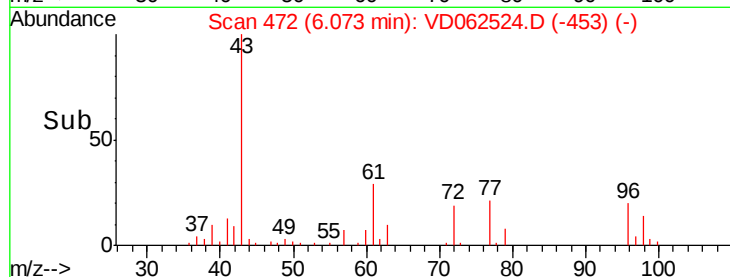
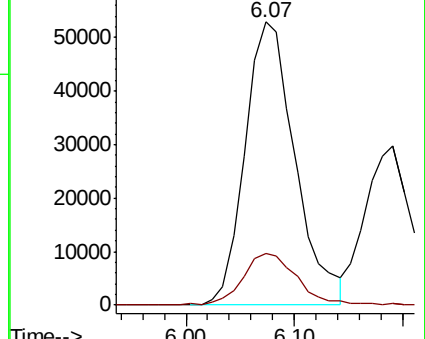
43 100

72 18.5 16.2 24.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 48.864 ug/l

RT: 6.02 min Scan# 467

Delta R.T. -0.01 min

Lab File: VD062524.D

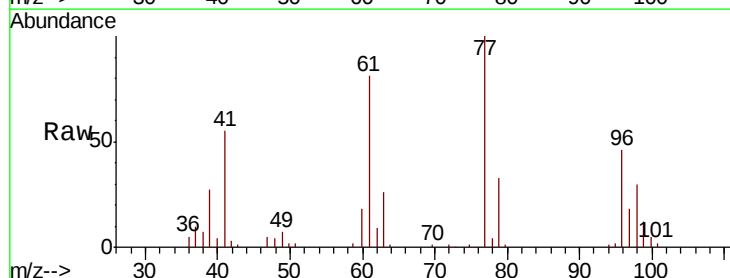
Acq: 23 May 2019 18:22

Tgt Ion: 77 Resp: 291043

Ion Ratio Lower Upper

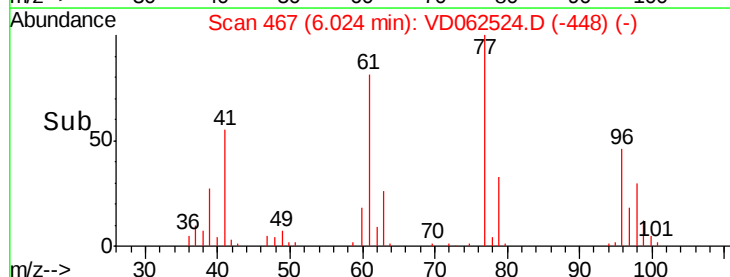
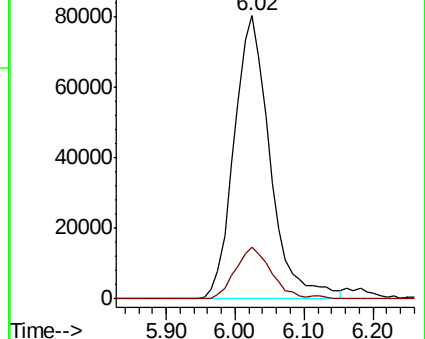
77 100

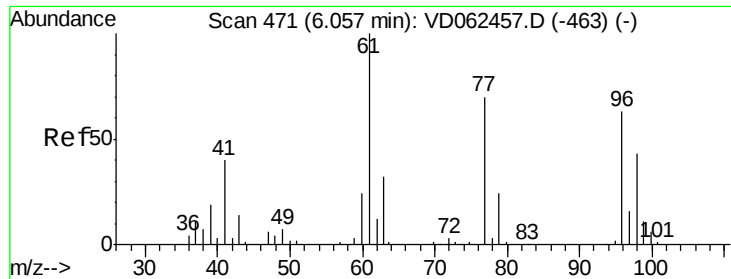
97 18.1 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



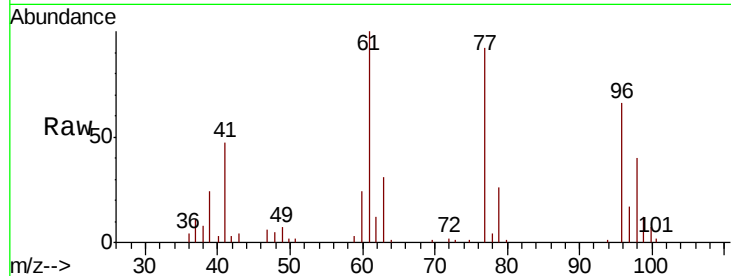


#27

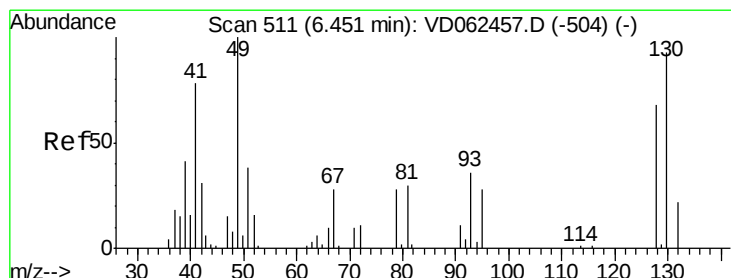
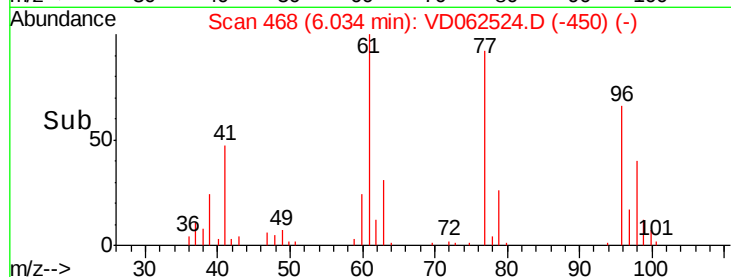
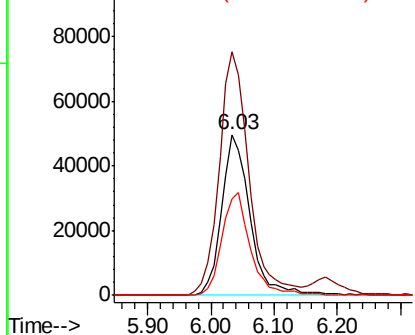
cis-1,2-Dichloroethene
 Concen: 44.960 ug/l
 RT: 6.03 min Scan# 468
 Delta R.T. -0.02 min
 Lab File: VD062524.D
 Acq: 23 May 2019 18:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 96 Resp: 155147
 Ion Ratio Lower Upper
 96 100
 61 151.8 0.0 279.8
 98 60.0 0.0 136.0



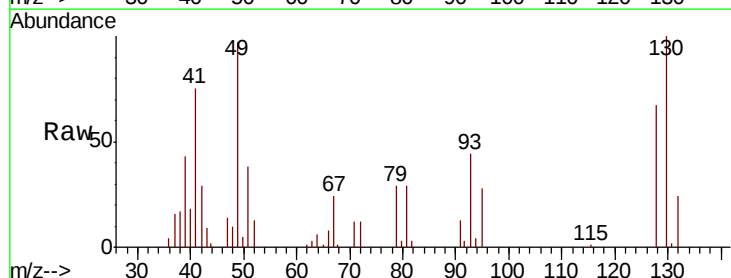
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



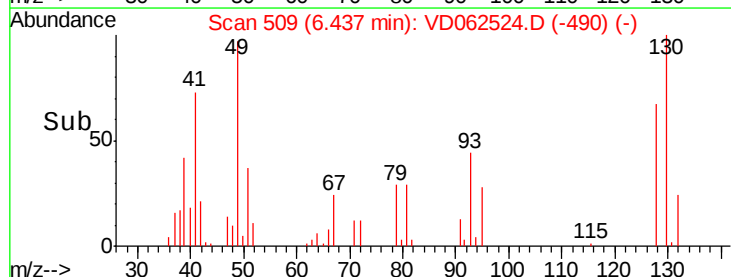
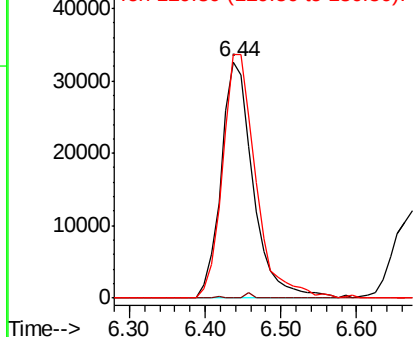
#28

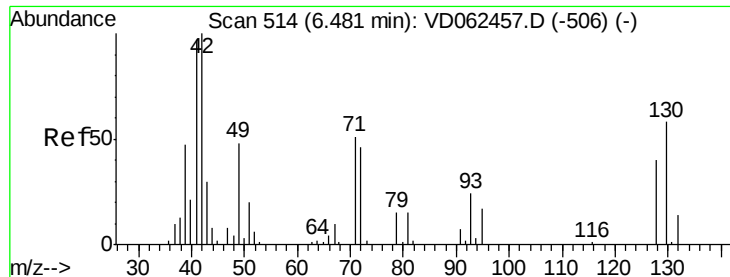
Bromochloromethane
 Concen: 48.270 ug/l
 RT: 6.44 min Scan# 509
 Delta R.T. -0.01 min
 Lab File: VD062524.D
 Acq: 23 May 2019 18:22

Tgt Ion: 49 Resp: 95725
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 6.6
 130 102.8 86.7 130.1



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





#29

Tetrahydrofuran

Concen: 225.887 ug/l

RT: 6.46 min Scan# 511

Delta R.T. -0.02 min

Lab File: VD062524.D

Acq: 23 May 2019 18:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

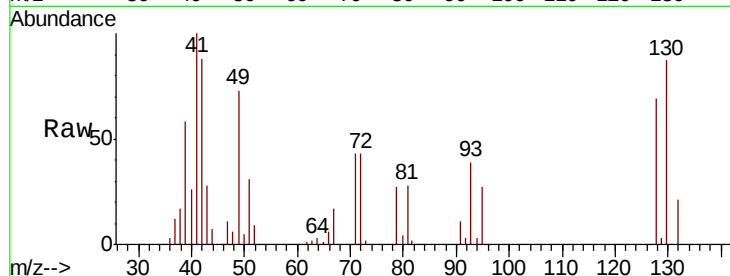
Tot Ion: 42 Resp: 79892

Ion Ratio Lower Upper

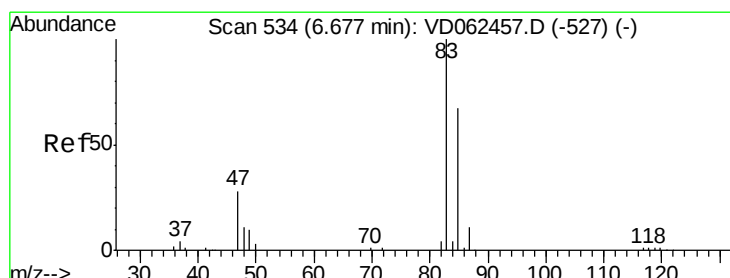
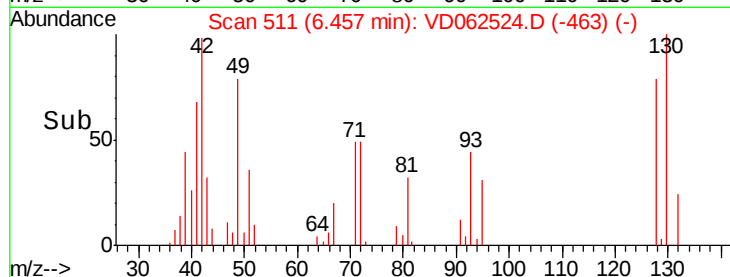
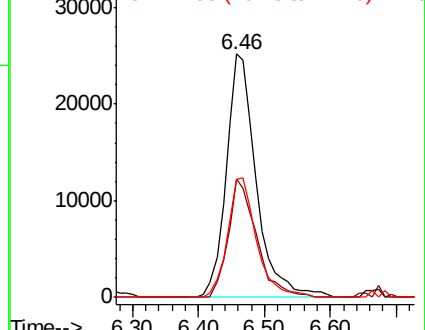
42 100

72 46.3 37.8 56.6

71 47.8 36.7 55.1



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



#30

Chloroform

Concen: 50.762 ug/l

RT: 6.66 min Scan# 532

Delta R.T. -0.01 min

Lab File: VD062524.D

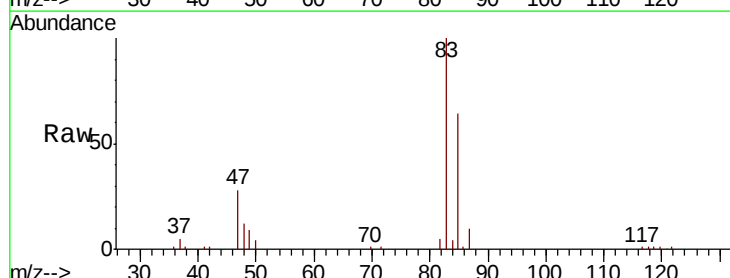
Acq: 23 May 2019 18:22

Tgt Ion: 83 Resp: 357586

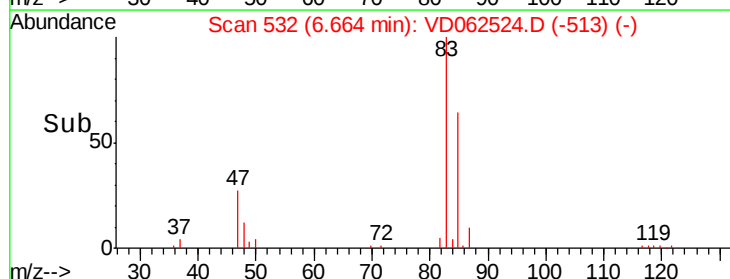
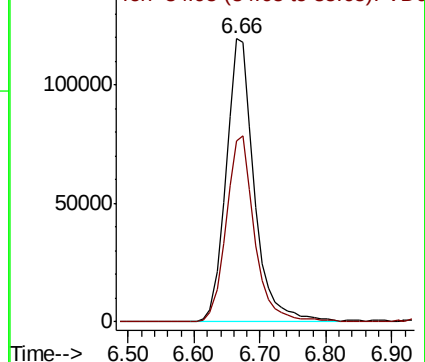
Ion Ratio Lower Upper

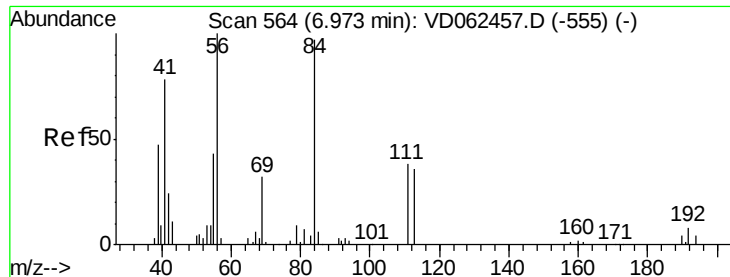
83 100

85 64.0 51.7 77.5



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

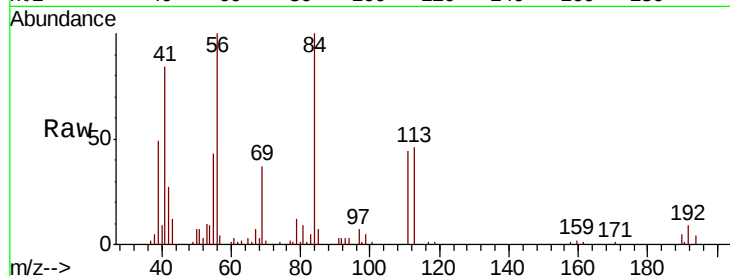




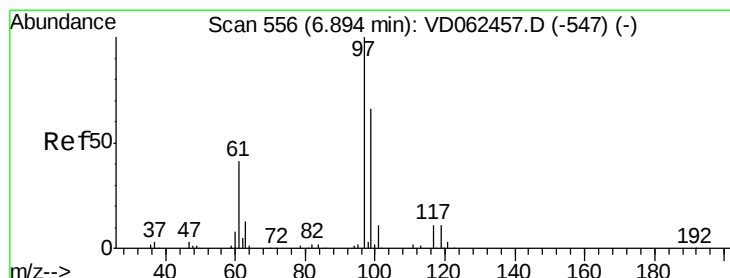
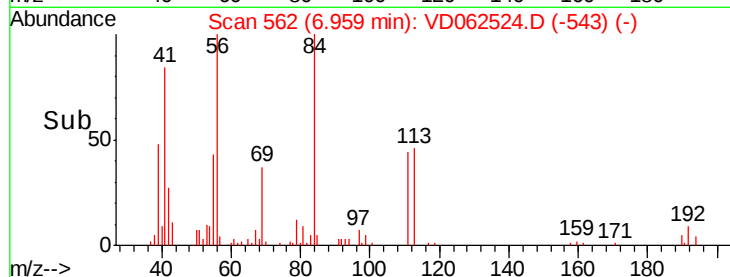
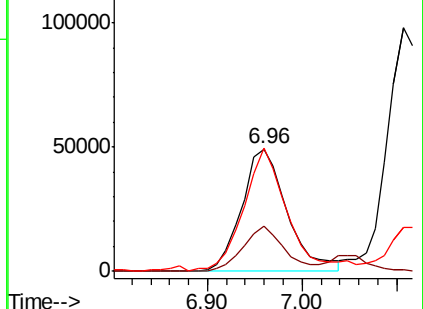
#31
Cyclohexane
Concen: 43.826 ug/l
RT: 6.96 min Scan# 562
Delta R.T. -0.01 min
Lab File: VD062524.D
Acq: 23 May 2019 18:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 56 Resp: 163506
Ion Ratio Lower Upper
56 100
69 37.0 25.8 38.6
84 100.3 72.2 108.4

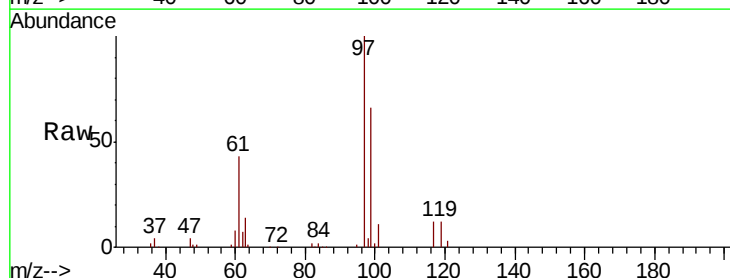


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

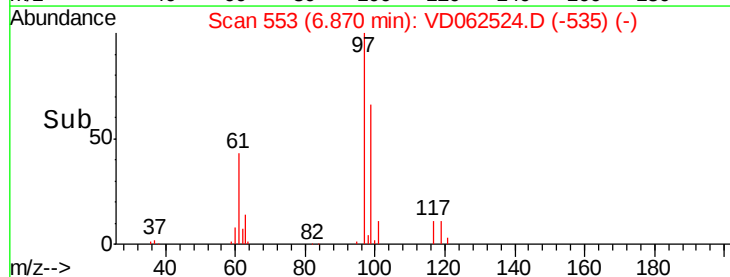
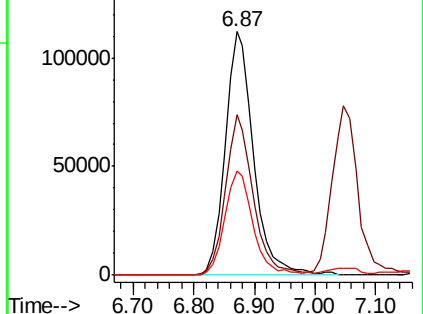


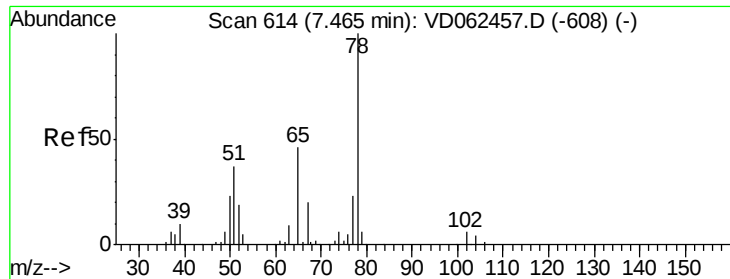
#32
1,1,1-Trichloroethane
Concen: 50.721 ug/l
RT: 6.87 min Scan# 553
Delta R.T. -0.02 min
Lab File: VD062524.D
Acq: 23 May 2019 18:22

Tgt Ion: 97 Resp: 360725
Ion Ratio Lower Upper
97 100
99 65.9 52.2 78.2
61 42.6 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

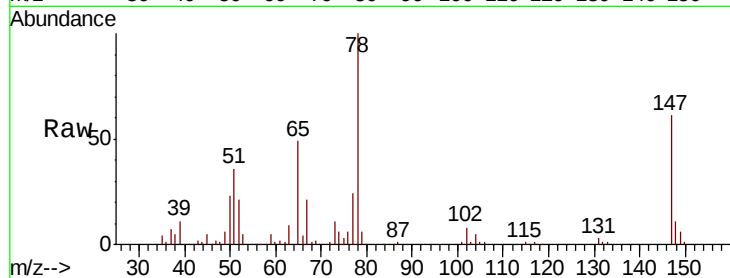




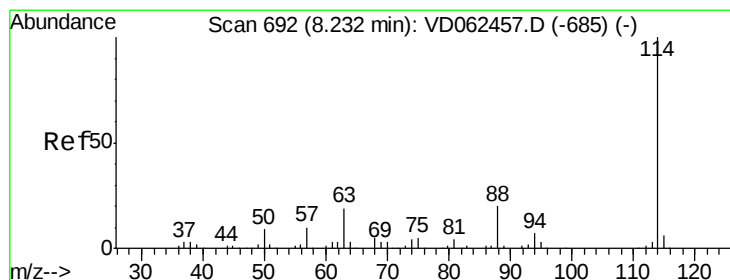
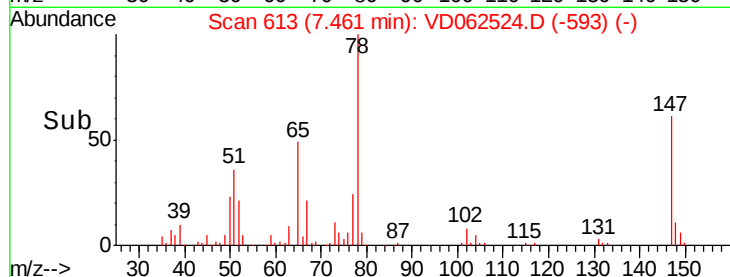
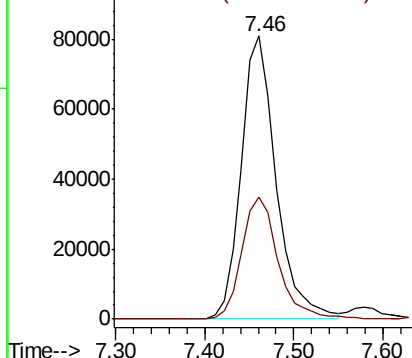
#33
 1,2-Dichloroethane-d4
 Concen: 55.344 ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: VD062524.D
 Acq: 23 May 2019 18:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 65 Resp: 218677
 Ion Ratio Lower Upper
 65 100
 67 43.2 0.0 98.0

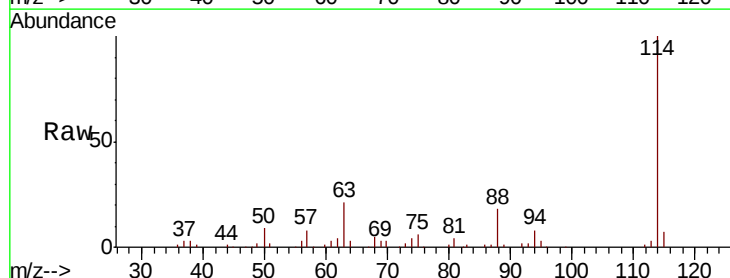


Abundance Ion 64.95 (64.65 to 65.65): VDC
 Ion 66.90 (66.60 to 67.60): VDC

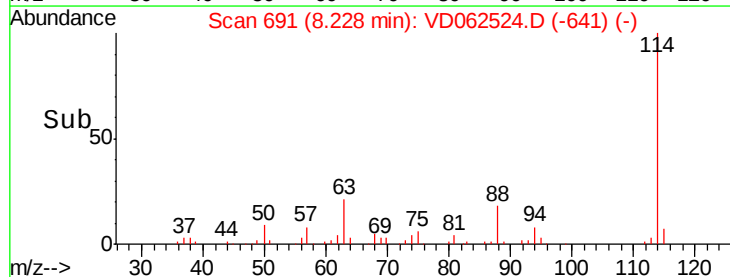
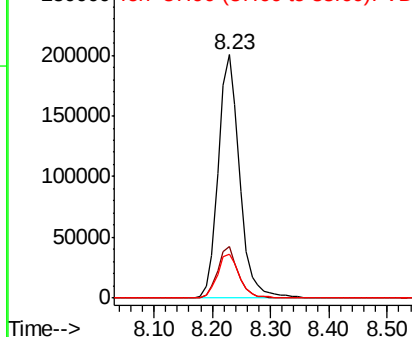


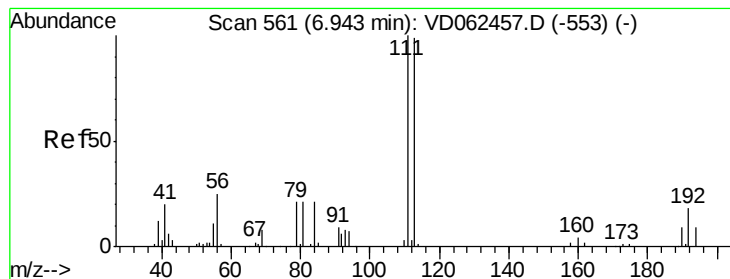
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. -0.00 min
 Lab File: VD062524.D
 Acq: 23 May 2019 18:22

Tgt Ion: 114 Resp: 509258
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 32.4
 88 18.1 0.0 33.6



Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): VDC
 Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 48.780 ug/l

RT: 6.93 min Scan# 559

Delta R.T. -0.01 min

Lab File: VD062524.D

Acq: 23 May 2019 18:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

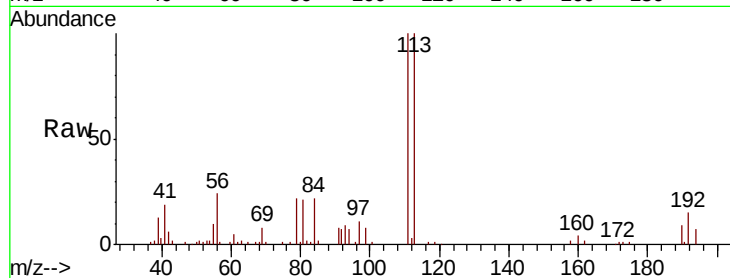
Tot Ion:113 Resp: 224103

Ion Ratio Lower Upper

113 100

111 100.2 78.5 117.7

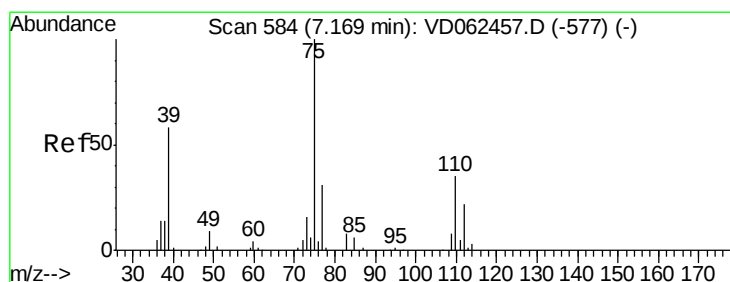
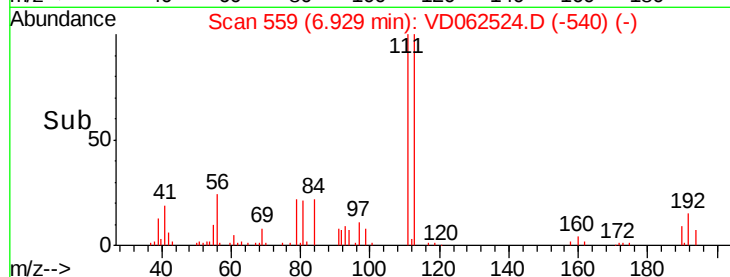
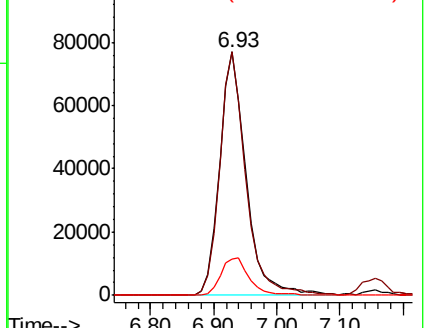
192 15.0 13.0 19.4



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: 49.365 ug/l

RT: 7.16 min Scan# 582

Delta R.T. -0.01 min

Lab File: VD062524.D

Acq: 23 May 2019 18:22

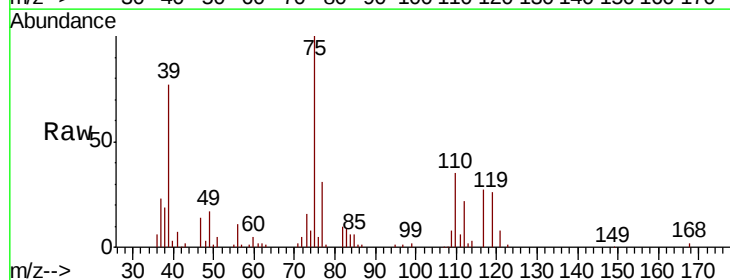
Tgt Ion: 75 Resp: 240351

Ion Ratio Lower Upper

75 100

110 34.9 19.1 57.1

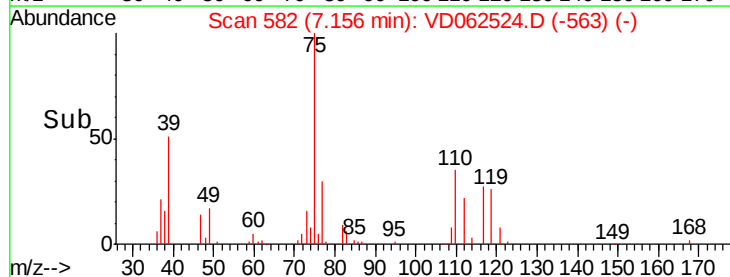
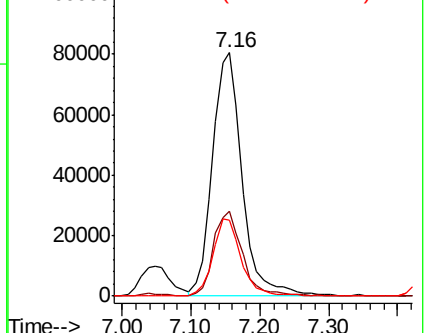
77 31.0 25.6 38.4

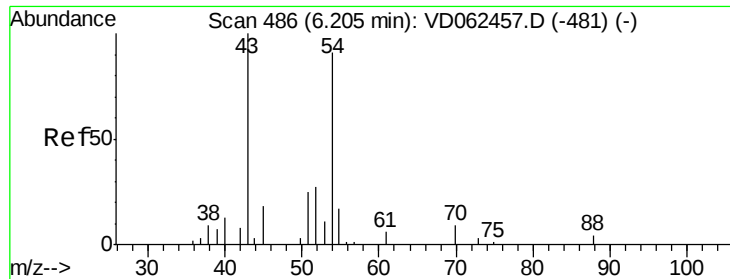


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

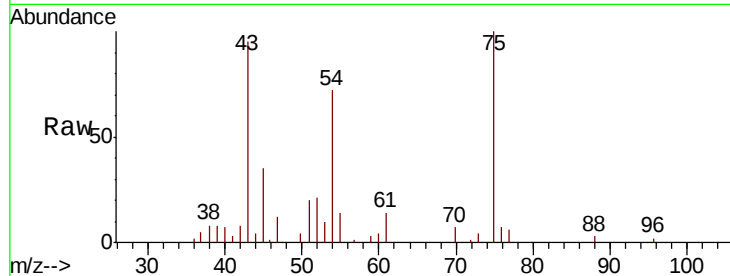




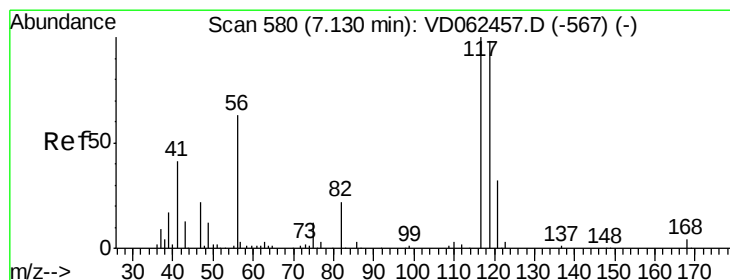
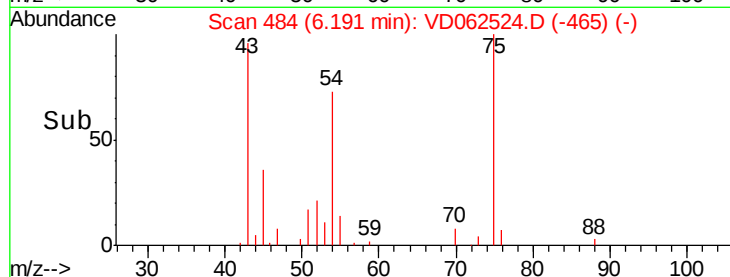
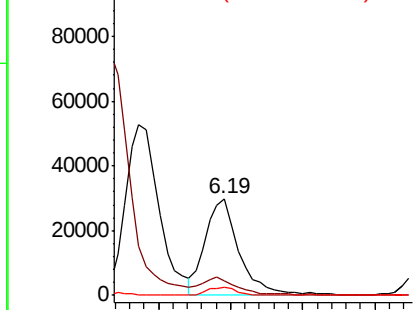
#37
Ethyl Acetate
Concen: 51.543 ug/l
RT: 6.19 min Scan# 484
Delta R.T. -0.01 min
Lab File: VD062524.D
Acq: 23 May 2019 18:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 97491
Ion Ratio Lower Upper
43 100
61 14.8 14.7 22.1
70 7.9 7.8 11.6

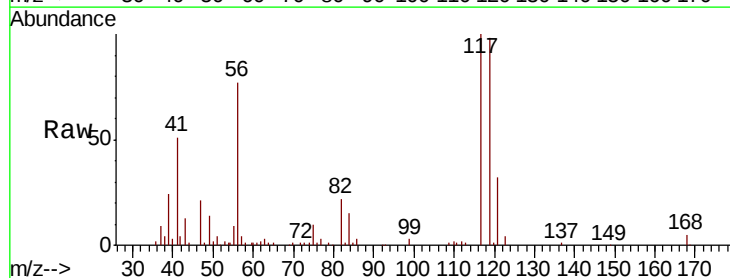


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

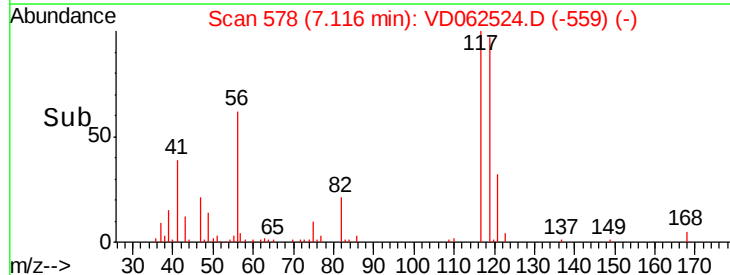
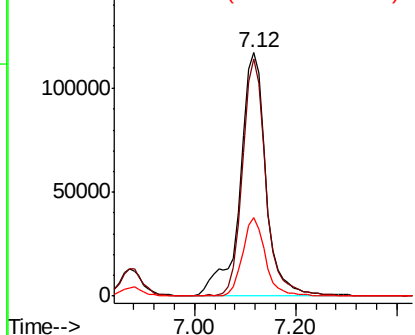


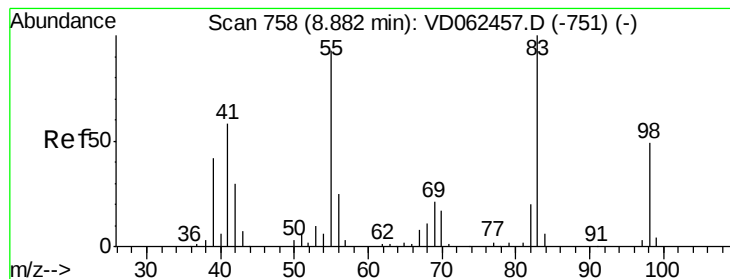
#38
Carbon Tetrachloride
Concen: 57.731 ug/l
RT: 7.12 min Scan# 578
Delta R.T. -0.01 min
Lab File: VD062524.D
Acq: 23 May 2019 18:22

Tgt Ion: 117 Resp: 417751
Ion Ratio Lower Upper
117 100
119 97.5 75.8 113.8
121 32.2 25.9 38.9



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





#39

Methvlcvclohexane

Concen: 48.921 ug/l

RT: 8.88 min Scan# 757

Delta R.T. -0.00 min

Lab File: VD062524.D

Acq: 23 May 2019 18:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

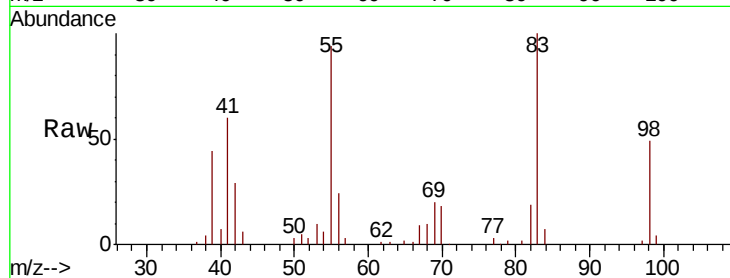
Tot Ion: 83 Resp: 196458

Ion Ratio Lower Upper

83 100

55 94.3 68.2 102.4

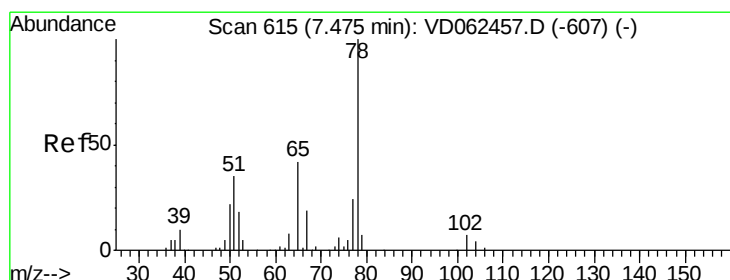
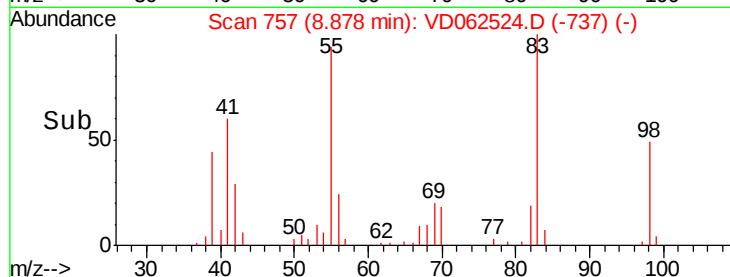
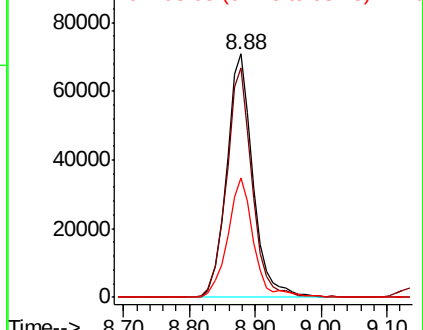
98 49.0 38.2 57.4



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 47.398 ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.01 min

Lab File: VD062524.D

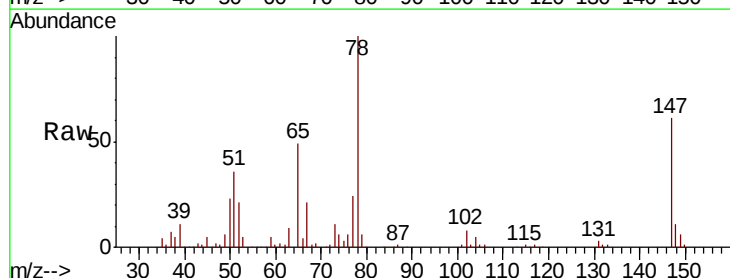
Acq: 23 May 2019 18:22

Tgt Ion: 78 Resp: 452665

Ion Ratio Lower Upper

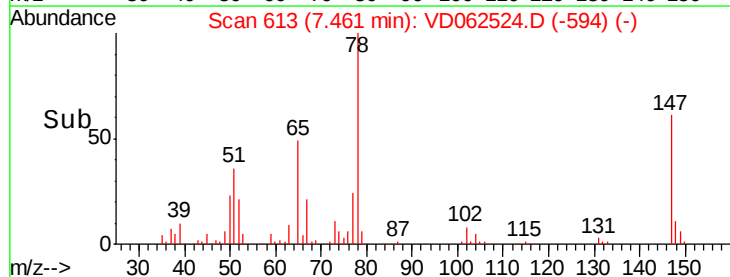
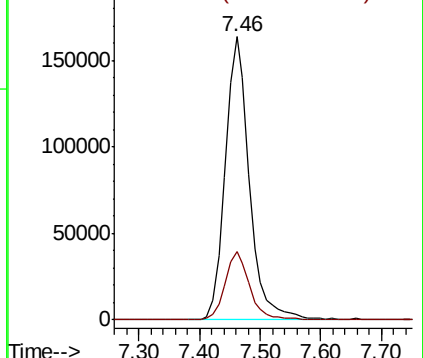
78 100

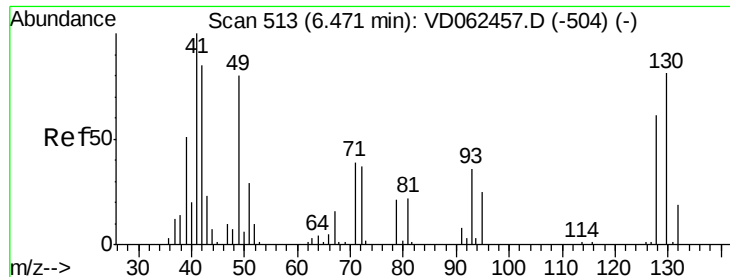
77 24.1 19.7 29.5



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 49.282 ug/l

RT: 6.46 min Scan# 511

Delta R.T. -0.01 min

Lab File: VD062524.D

Acq: 23 May 2019 18:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 117071

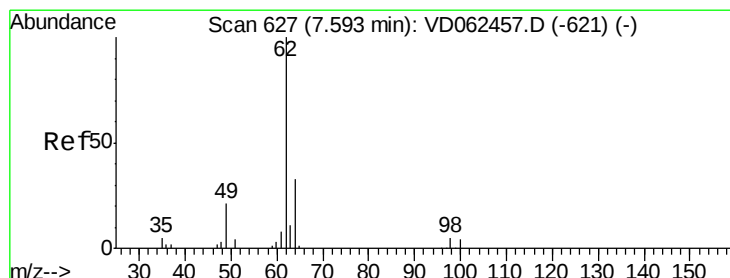
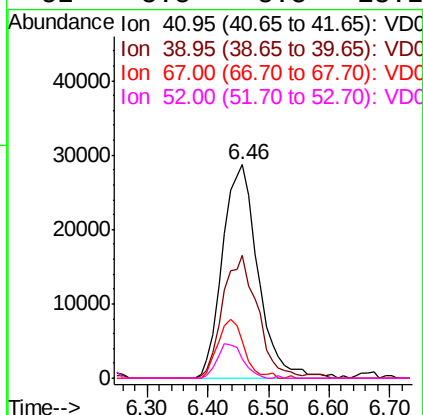
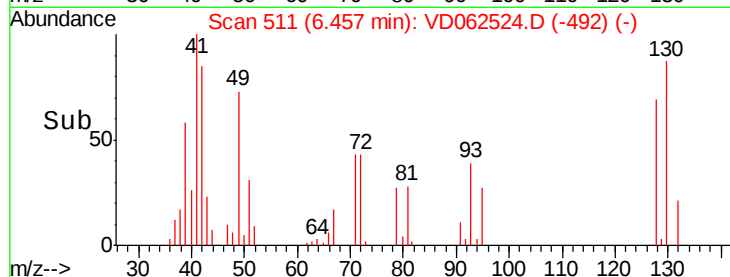
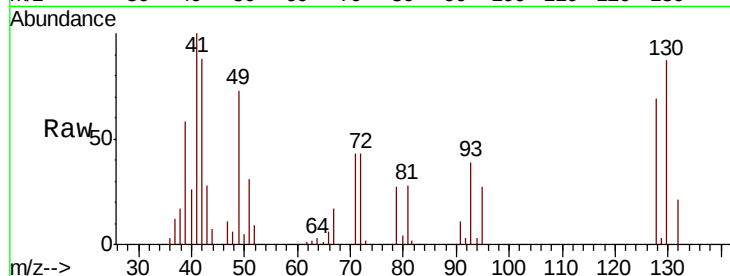
Ion Ratio Lower Upper

41 100

39 57.8 34.1 51.1#

67 17.4 23.8 35.6#

52 8.8 8.8 13.2#



#42

1,2-Dichloroethane

Concen: 52.869 ug/l

RT: 7.59 min Scan# 626

Delta R.T. -0.00 min

Lab File: VD062524.D

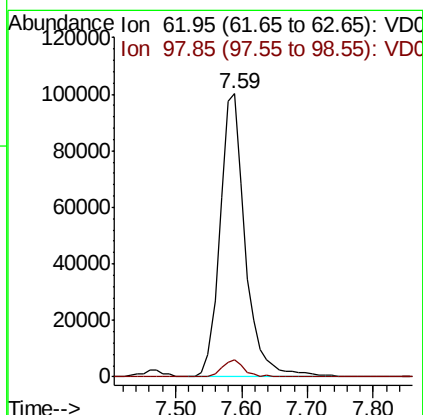
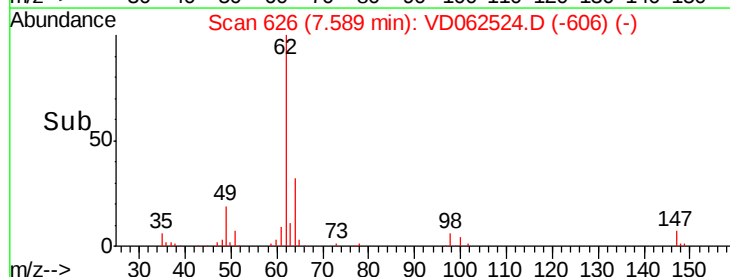
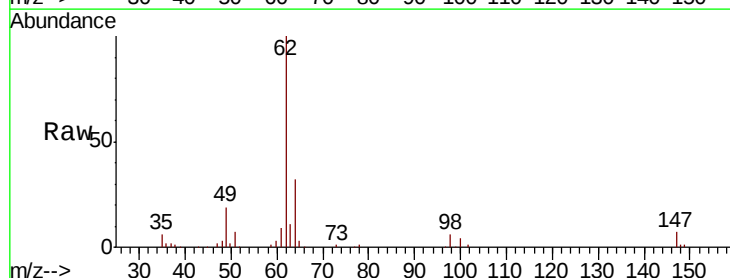
Acq: 23 May 2019 18:22

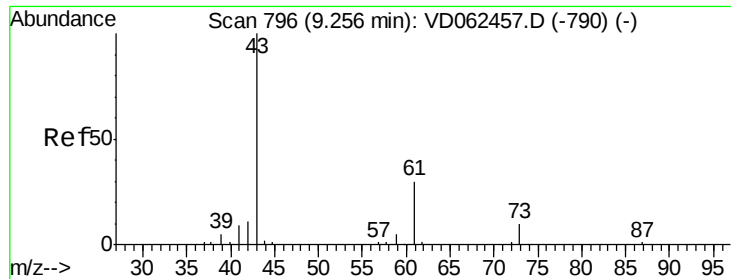
Tgt Ion: 62 Resp: 267369

Ion Ratio Lower Upper

62 100

98 6.1 0.0 17.8





#43

Isopropyl Acetate

Concen: 51.566 ug/l

RT: 9.25 min Scan# 795

Delta R.T. -0.00 min

Lab File: VD062524.D

Acq: 23 May 2019 18:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

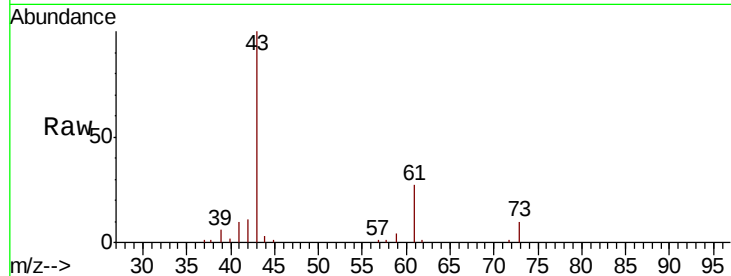
Tot Ion: 43 Resp: 129392

Ion Ratio Lower Upper

43 100

61 27.4 25.1 37.7

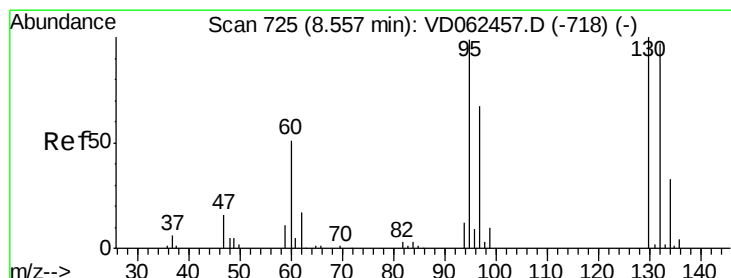
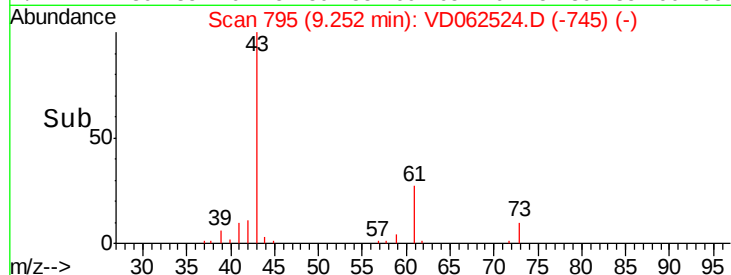
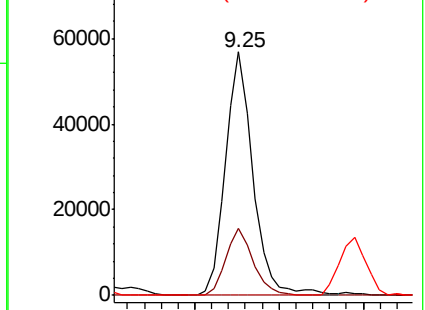
87 0.0 0.0 0.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 48.301 ug/l

RT: 8.55 min Scan# 724

Delta R.T. -0.00 min

Lab File: VD062524.D

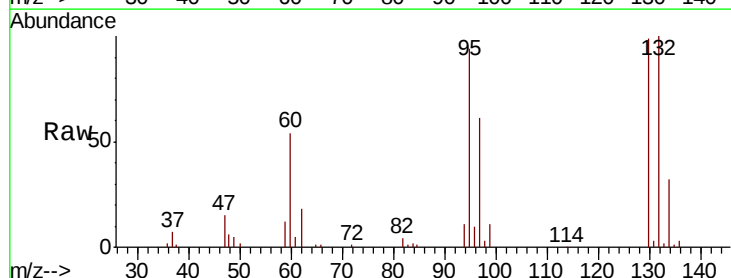
Acq: 23 May 2019 18:22

Tgt Ion: 130 Resp: 184696

Ion Ratio Lower Upper

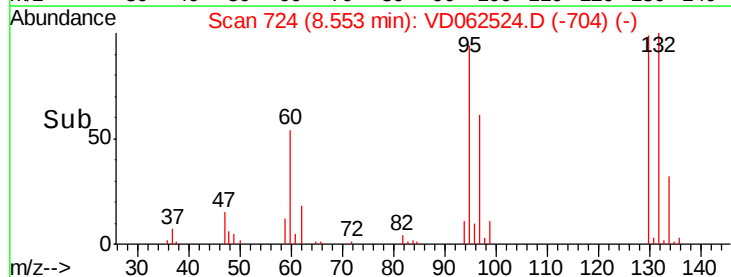
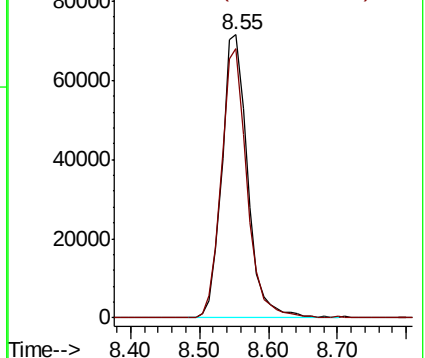
130 100

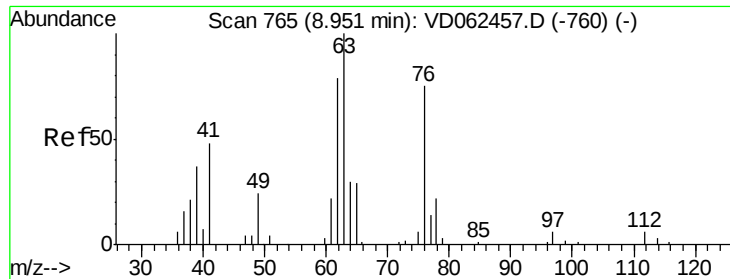
95 94.9 0.0 174.0



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 49.330 ug/l

RT: 8.95 min Scan# 764

Delta R.T. -0.00 min

Lab File: VD062524.D

Acq: 23 May 2019 18:22

Instrument :

MSVOA_D

ClientSampleId :

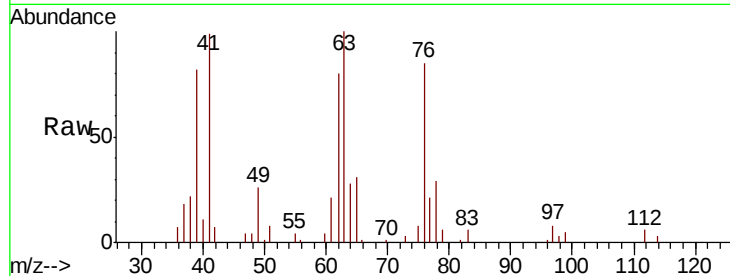
VSTDCCC050EC

Tot Ion: 63 Resp: 114810

Ion Ratio Lower Upper

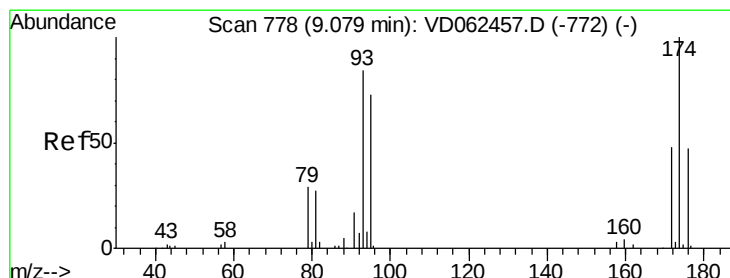
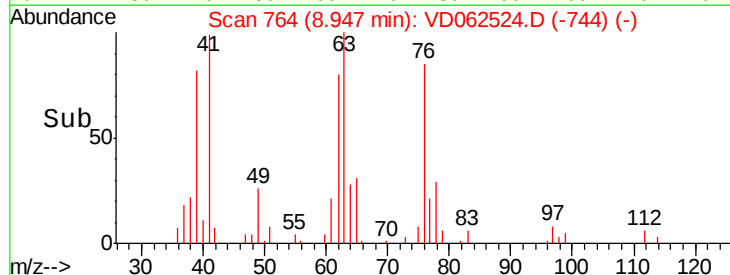
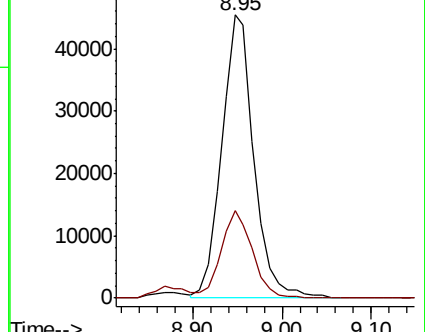
63 100

65 30.9 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: 50.896 ug/l

RT: 9.07 min Scan# 777

Delta R.T. -0.00 min

Lab File: VD062524.D

Acq: 23 May 2019 18:22

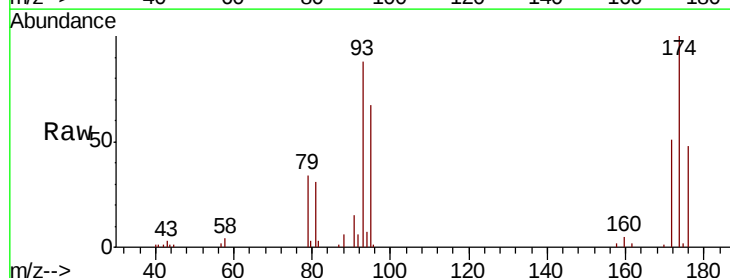
Tgt Ion: 93 Resp: 107376

Ion Ratio Lower Upper

93 100

95 76.6 64.8 97.2

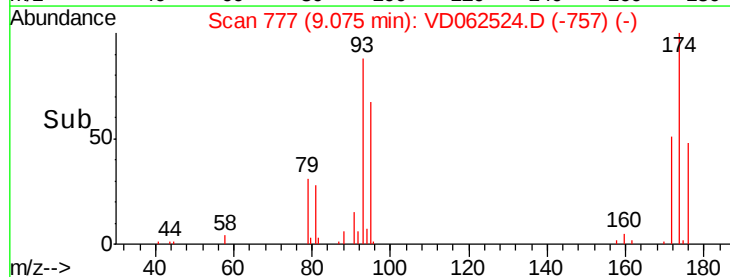
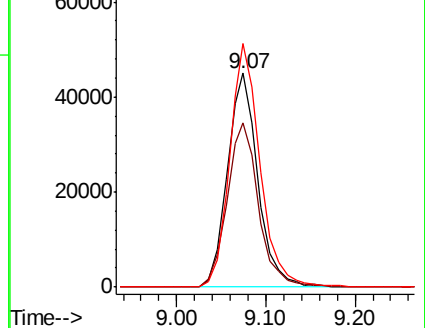
174 113.9 79.3 118.9

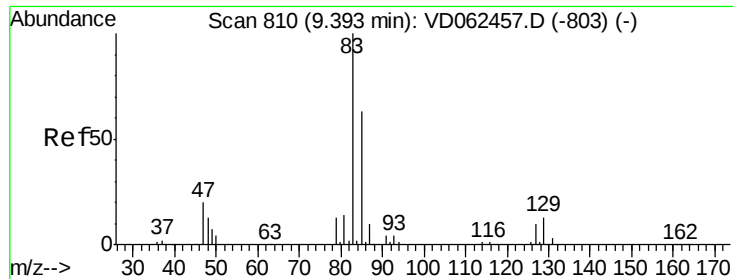


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 54.866 ug/l

RT: 9.39 min Scan# 809

Delta R.T. -0.00 min

Lab File: VD062524.D

Acq: 23 May 2019 18:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

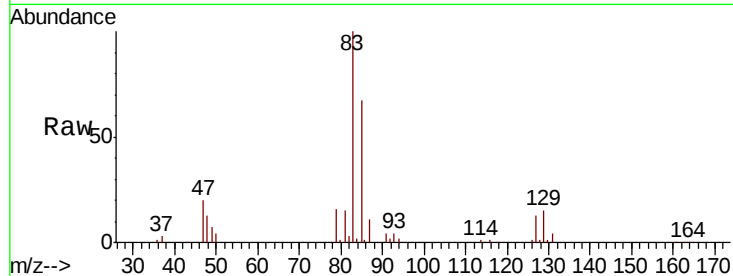
Tot Ion: 83 Resp: 294460

Ion Ratio Lower Upper

83 100

85 66.6 50.9 76.3

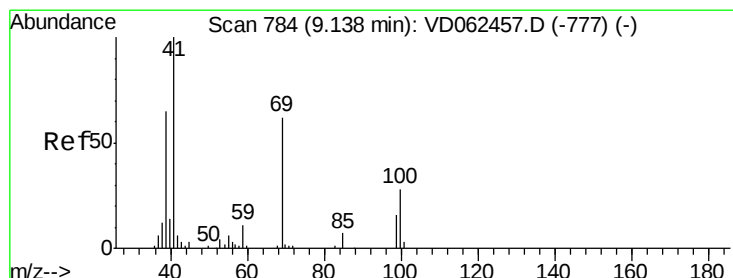
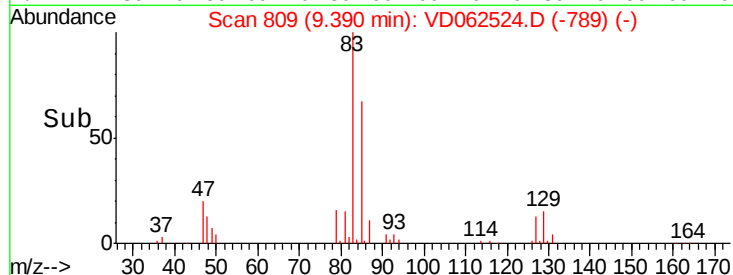
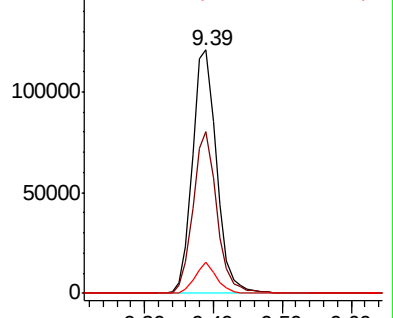
127 12.6 8.1 12.1#



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: 51.595 ug/l

RT: 9.13 min Scan# 783

Delta R.T. -0.00 min

Lab File: VD062524.D

Acq: 23 May 2019 18:22

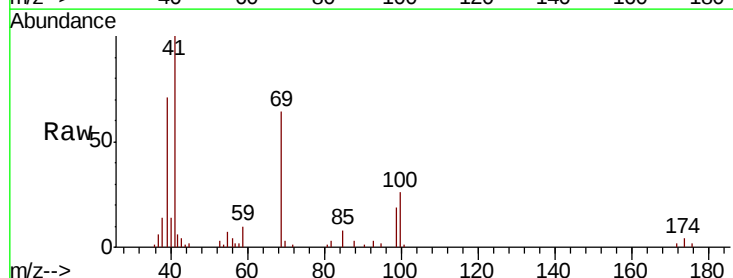
Tgt Ion: 41 Resp: 87123

Ion Ratio Lower Upper

41 100

69 63.9 64.2 96.2#

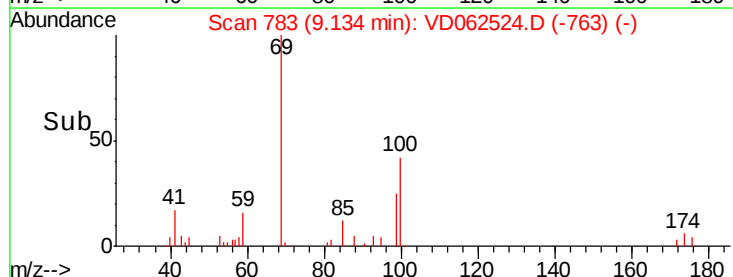
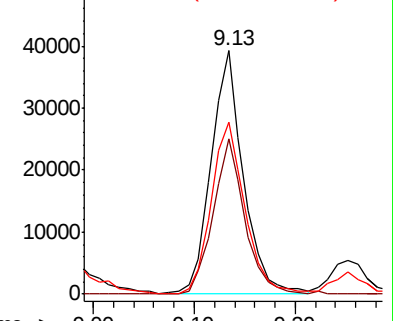
39 70.6 46.8 70.2#

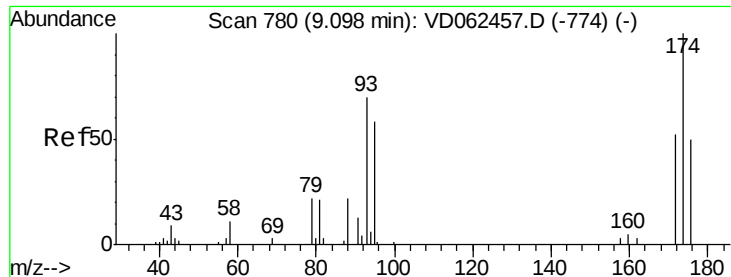


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC

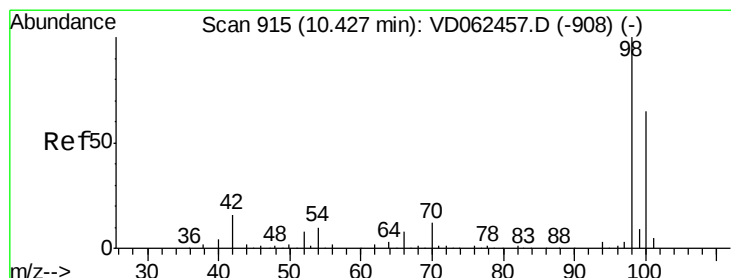
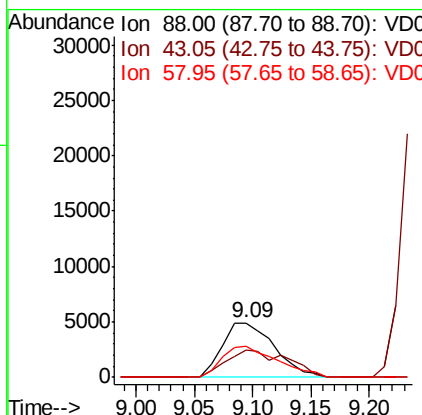
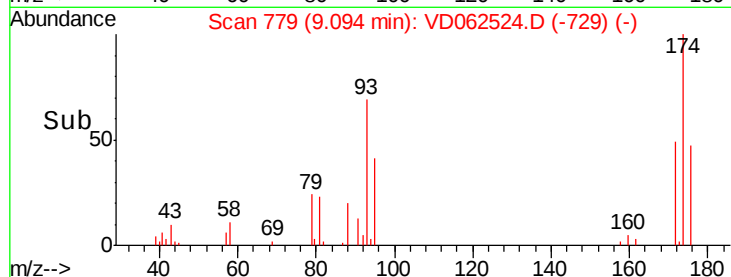
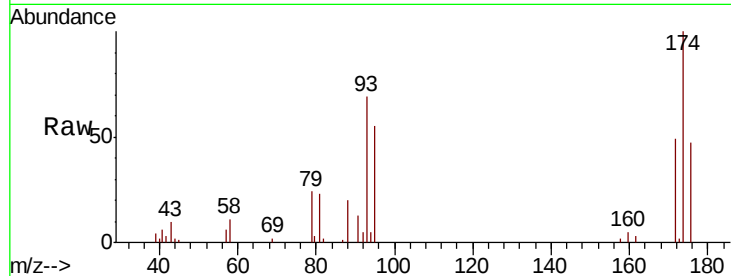




#49
 1,4-Dioxane
 Concen: 999.930 ug/l
 RT: 9.09 min Scan# 779
 Delta R.T. -0.00 min
 Lab File: VD062524.D
 Acq: 23 May 2019 18:22

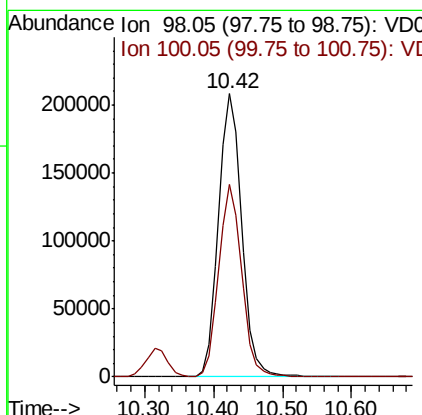
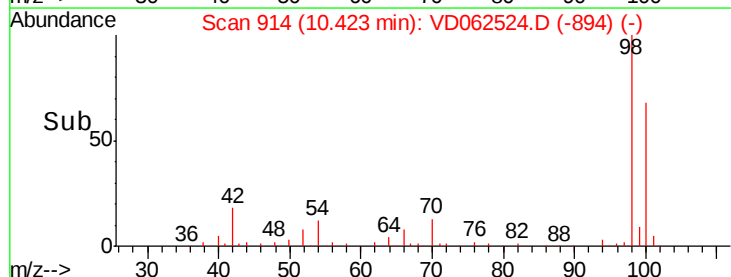
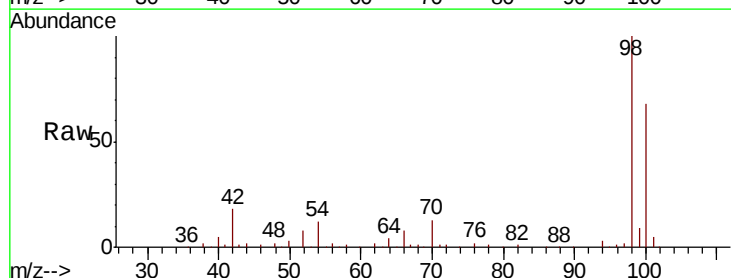
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

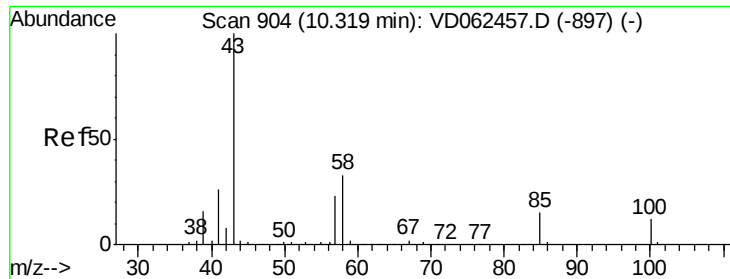
Tot Ion: 88 Resp: 15145
 Ion Ratio Lower Upper
 88 100
 43 48.9 23.4 35.0#
 58 55.9 44.0 66.0



#50
 Toluene-d8
 Concen: 48.532 ug/l
 RT: 10.42 min Scan# 914
 Delta R.T. -0.00 min
 Lab File: VD062524.D
 Acq: 23 May 2019 18:22

Tgt Ion: 98 Resp: 487925
 Ion Ratio Lower Upper
 98 100
 100 68.0 53.8 80.8





#51

4-Methyl-2-Pentanone

Concen: 250.041 ug/l

RT: 10.31 min Scan# 903

Delta R.T. -0.00 min

Lab File: VD062524.D

Acq: 23 May 2019 18:22

Instrument :

MSVOA_D

ClientSampleId :

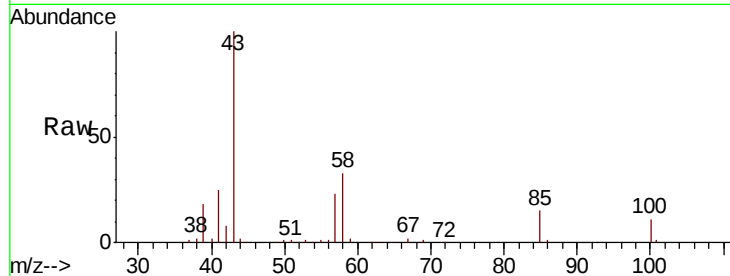
VSTDCCC050EC

Tot Ion: 43 Resp: 414481

Ion Ratio Lower Upper

43 100

58 32.9 30.4 45.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.31

200000

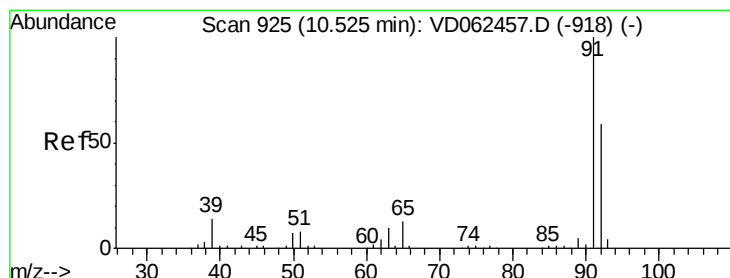
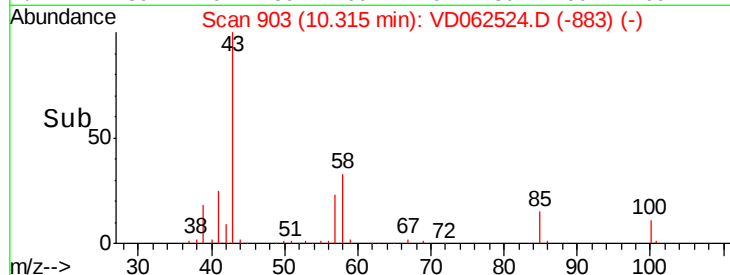
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 50.676 ug/l

RT: 10.52 min Scan# 924

Delta R.T. -0.00 min

Lab File: VD062524.D

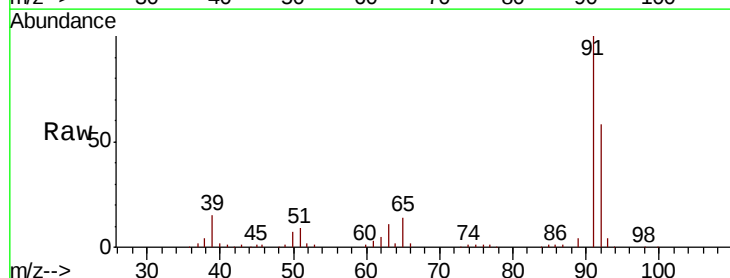
Acq: 23 May 2019 18:22

Tgt Ion: 92 Resp: 331318

Ion Ratio Lower Upper

92 100

91 171.0 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

300000

250000

200000

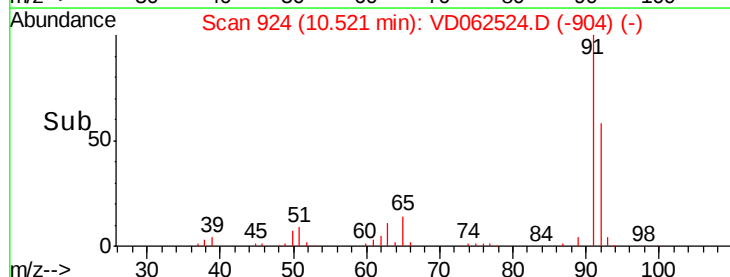
150000

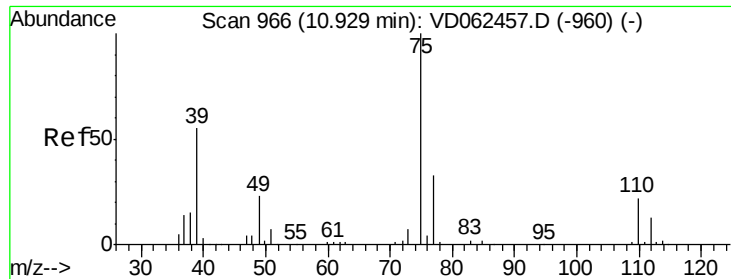
100000

50000

0

Time-->

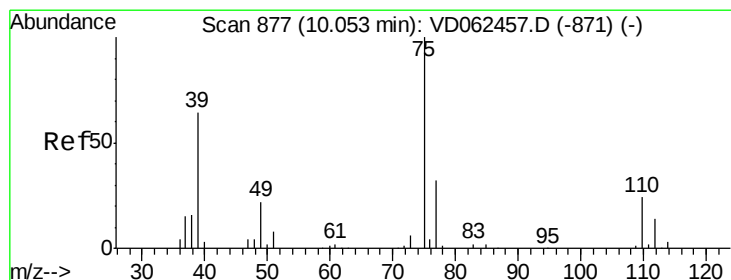
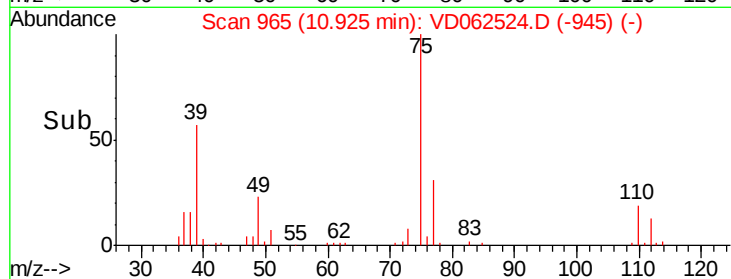
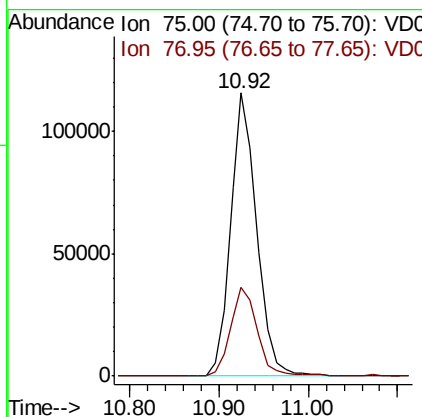
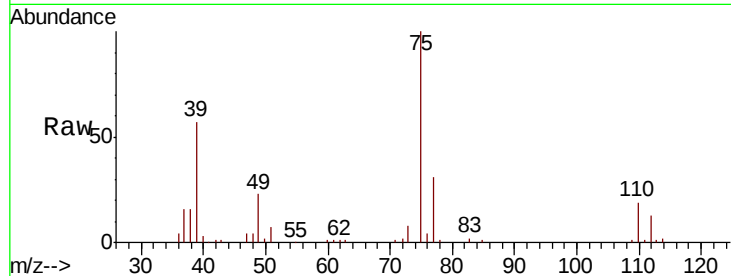




#53
 t-1,3-Dichloropropene
 Concen: 52.947 ug/l
 RT: 10.92 min Scan# 965
 Delta R.T. -0.00 min
 Lab File: VD062524.D
 Acq: 23 May 2019 18:22

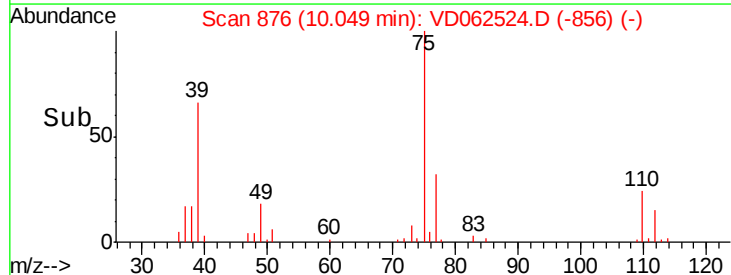
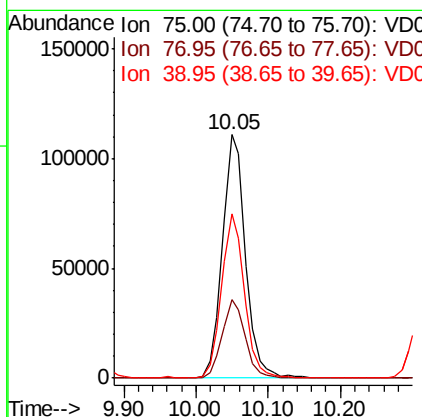
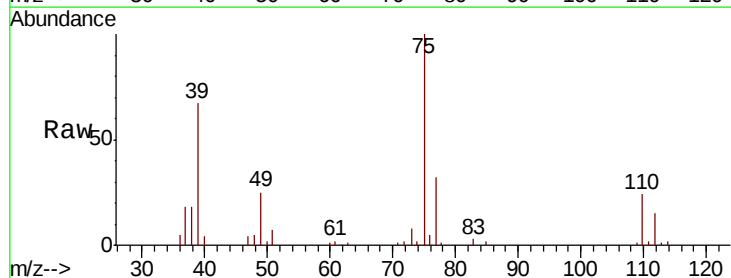
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

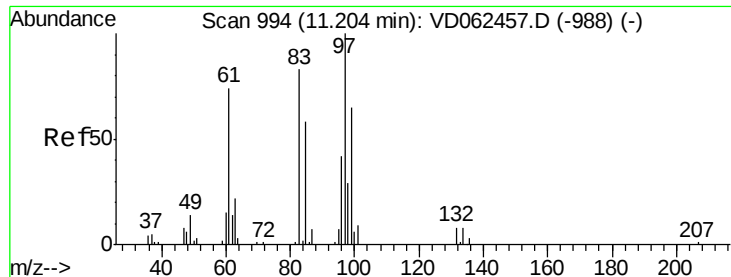
Tot Ion: 75 Resp: 236577
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 52.407 ug/l
 RT: 10.05 min Scan# 876
 Delta R.T. -0.00 min
 Lab File: VD062524.D
 Acq: 23 May 2019 18:22

Tgt Ion: 75 Resp: 244340
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.5 38.3
 39 67.3 39.4 59.2#





#55

1,1,2-Trichloroethane

Concen: 51.457 ug/l

RT: 11.20 min Scan# 993

Delta R.T. -0.00 min

Lab File: VD062524.D

Acq: 23 May 2019 18:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 114022

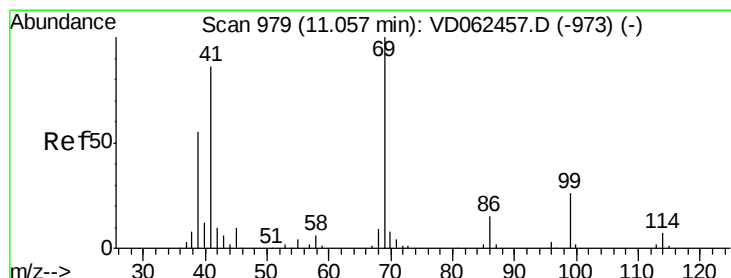
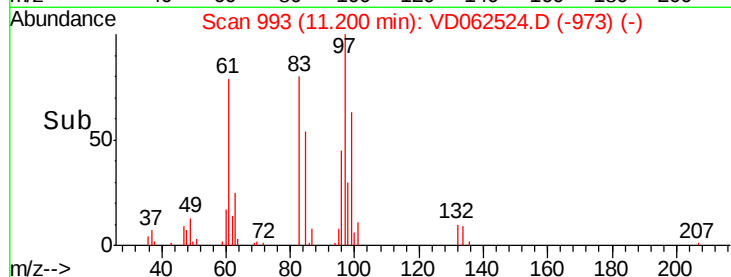
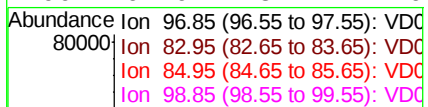
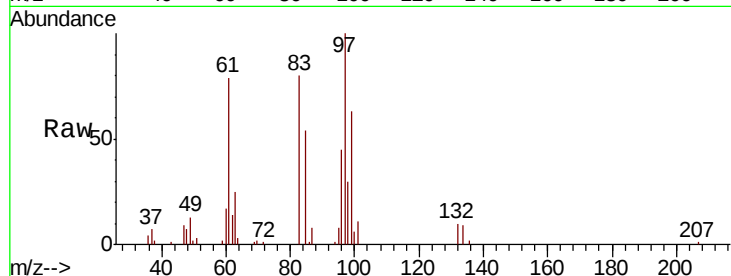
Ion Ratio Lower Upper

97 100

83 80.4 65.7 98.5

85 54.2 45.6 68.4

99 62.9 48.4 72.6



#56

Ethyl methacrylate

Concen: 49.947 ug/l

RT: 11.05 min Scan# 978

Delta R.T. -0.00 min

Lab File: VD062524.D

Acq: 23 May 2019 18:22

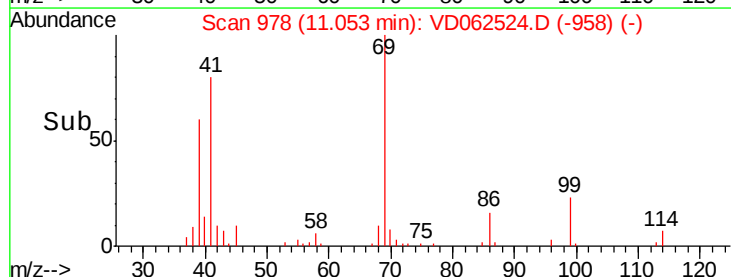
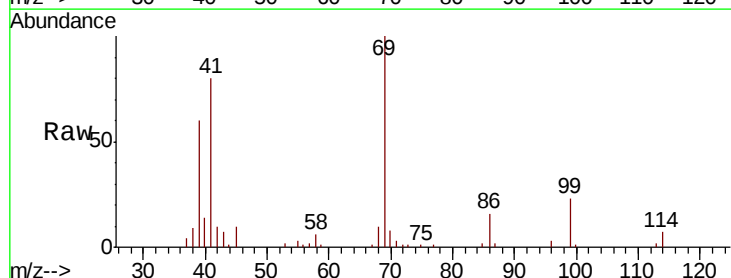
Tgt Ion: 69 Resp: 118314

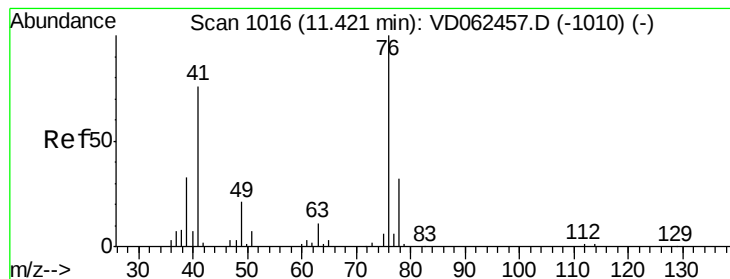
Ion Ratio Lower Upper

69 100

41 80.0 56.3 84.5

39 59.9 29.4 44.2#





#57

1,3-Dichloropropane

Concen: 50.897 ug/l

RT: 11.43 min Scan# 1016

Delta R.T. 0.01 min

Lab File: VD062524.D

Acq: 23 May 2019 18:22

Instrument :

MSVOA_D

ClientSampleId :

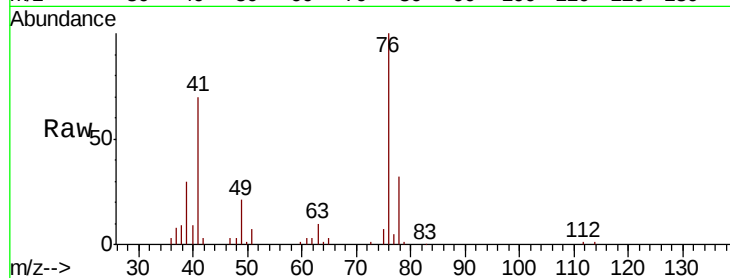
VSTDCCC050EC

Tot Ion: 76 Resp: 172960

Ion Ratio Lower Upper

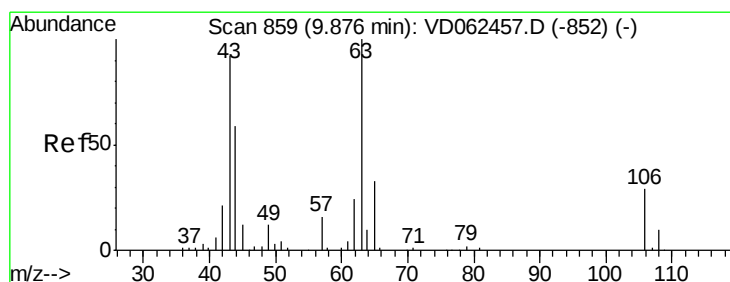
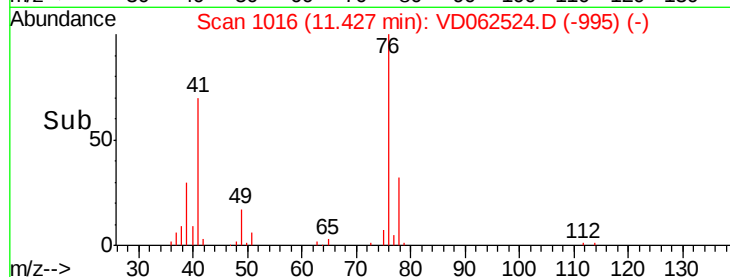
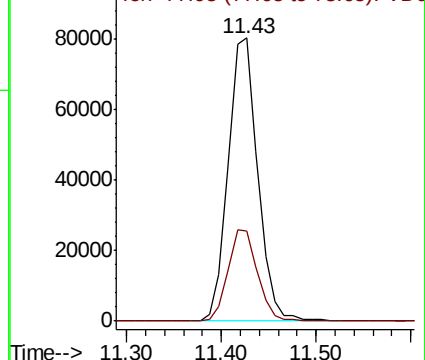
76 100

78 31.8 26.2 39.2



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 255.639 ug/l

RT: 9.87 min Scan# 858

Delta R.T. -0.00 min

Lab File: VD062524.D

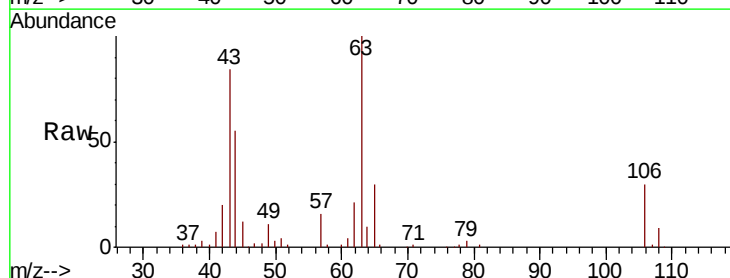
Acq: 23 May 2019 18:22

Tgt Ion: 63 Resp: 310949

Ion Ratio Lower Upper

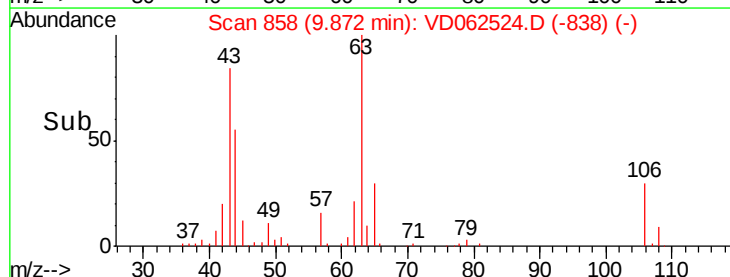
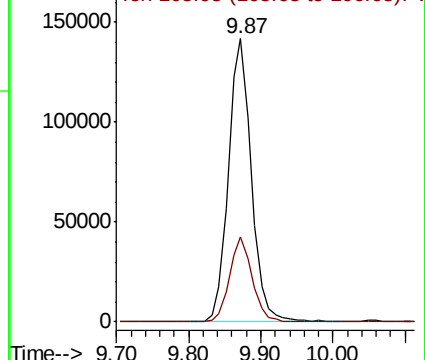
63 100

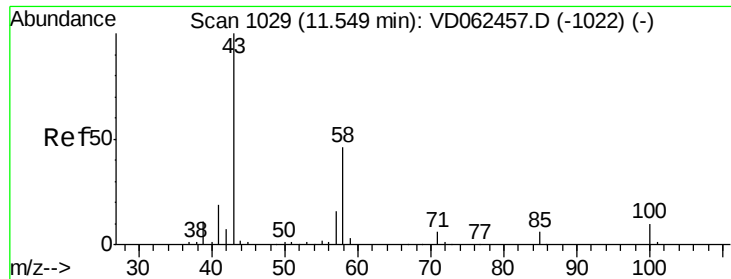
106 30.2 22.6 34.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

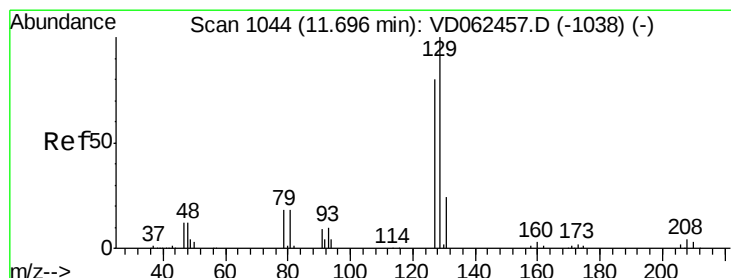
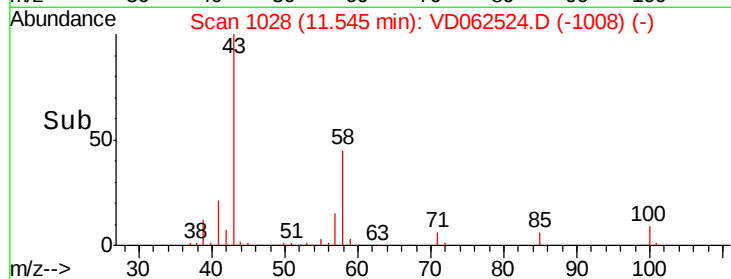
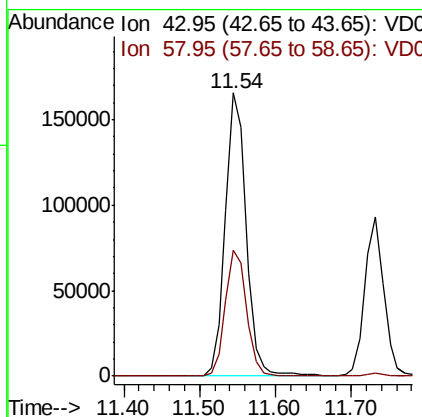
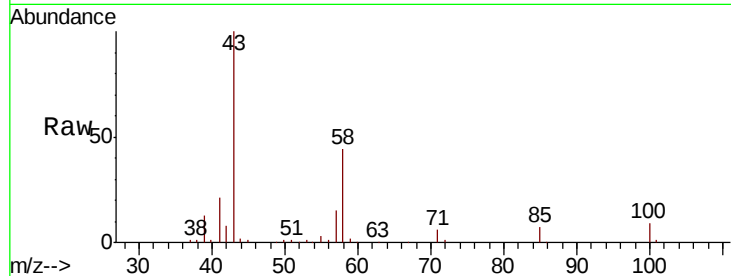




#59
2-Hexanone
Concen: 262.809 ug/l
RT: 11.54 min Scan# 1028
Delta R.T. -0.00 min
Lab File: VD062524.D
Acq: 23 May 2019 18:22

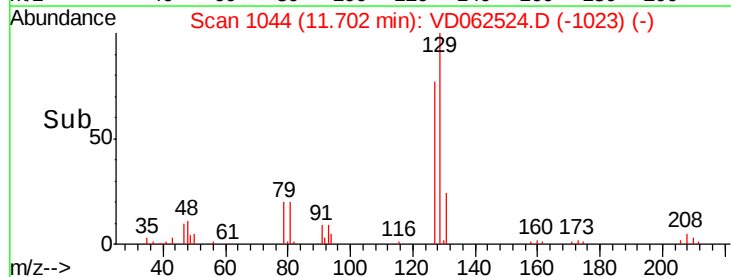
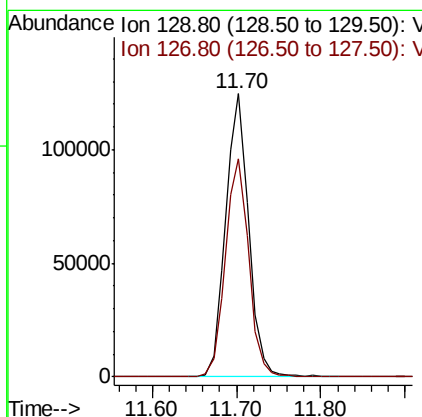
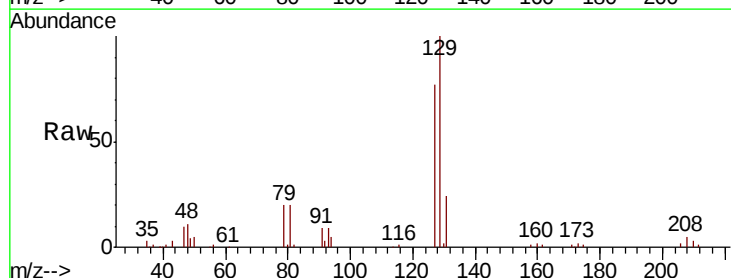
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

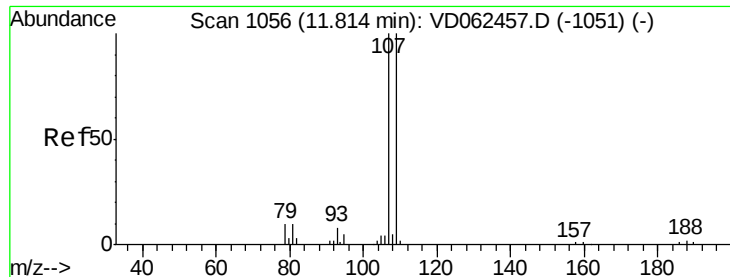
Tot Ion: 43 Resp: 316619
Ion Ratio Lower Upper
43 100
58 44.3 25.4 76.4



#60
Dibromochloromethane
Concen: 55.673 ug/l
RT: 11.70 min Scan# 1044
Delta R.T. 0.01 min
Lab File: VD062524.D
Acq: 23 May 2019 18:22

Tgt Ion: 129 Resp: 236944
Ion Ratio Lower Upper
129 100
127 77.0 38.0 113.9





#61

1,2-Dibromoethane

Concen: 48.852 ug/l

RT: 11.82 min Scan# 1056

Delta R.T. 0.01 min

Lab File: VD062524.D

Acq: 23 May 2019 18:22

Instrument :

MSVOA_D

ClientSampleId :

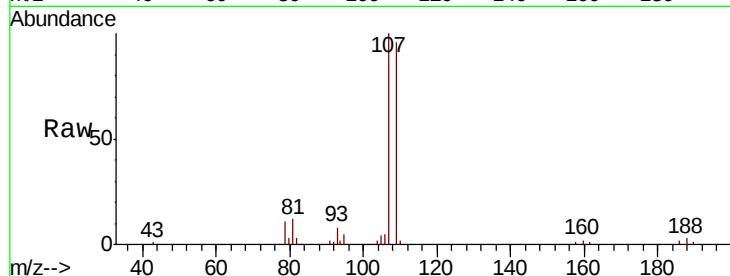
VSTDCCC050EC

Tot Ion:107 Resp: 133402

Ion Ratio Lower Upper

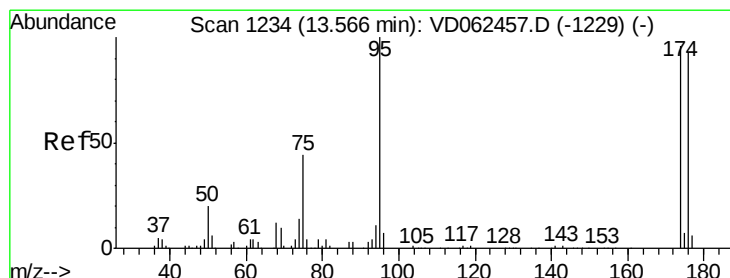
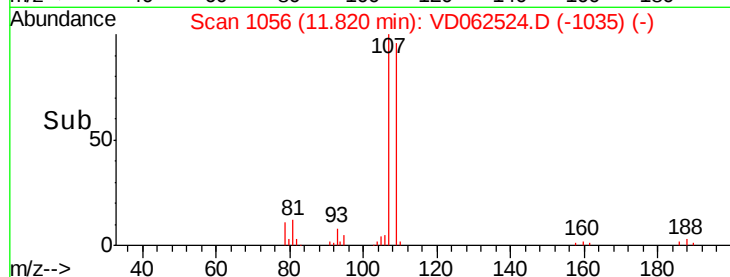
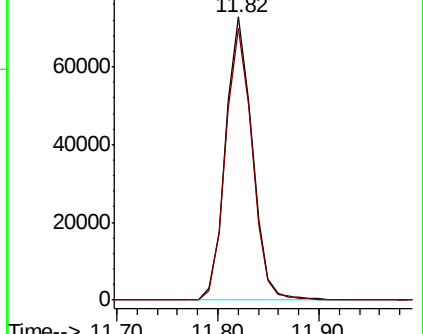
107 100

109 96.3 78.3 117.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 52.184 ug/l

RT: 13.57 min Scan# 1234

Delta R.T. 0.01 min

Lab File: VD062524.D

Acq: 23 May 2019 18:22

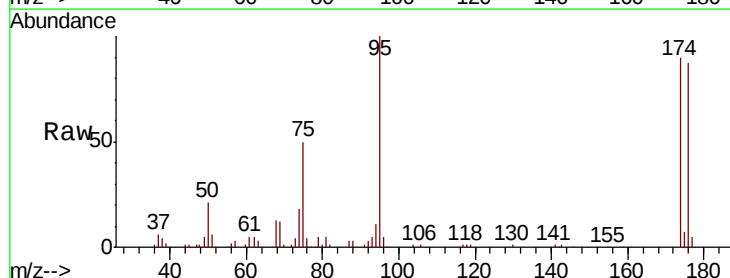
Tgt Ion: 95 Resp: 229499

Ion Ratio Lower Upper

95 100

174 90.5 0.0 181.8

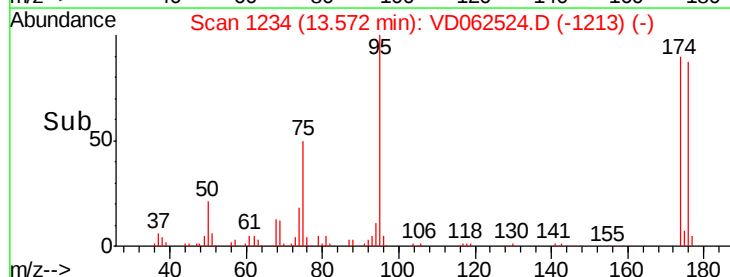
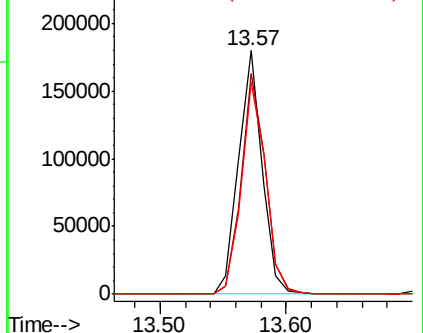
176 87.2 0.0 174.4

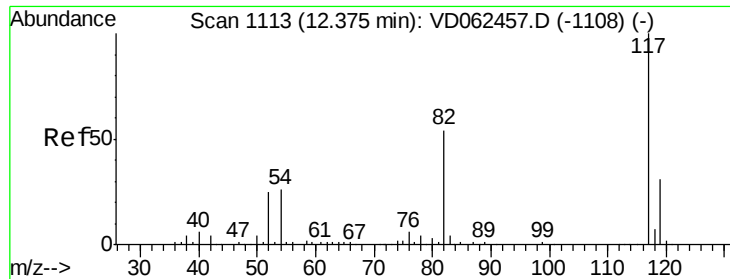


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

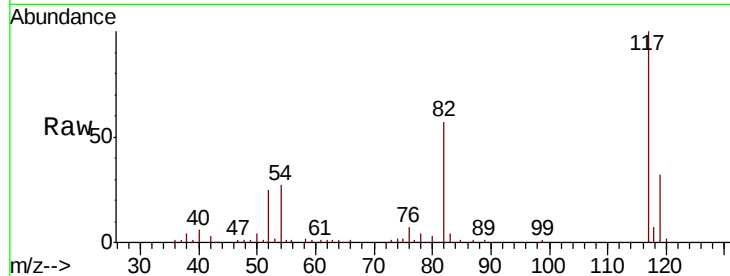




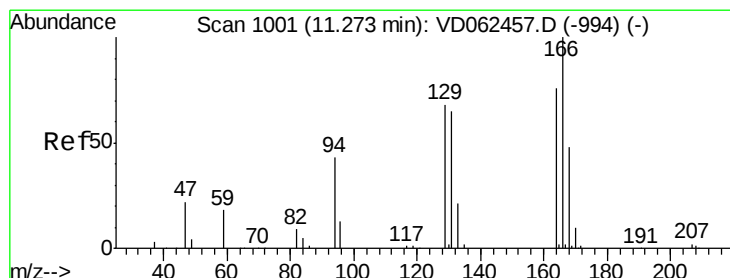
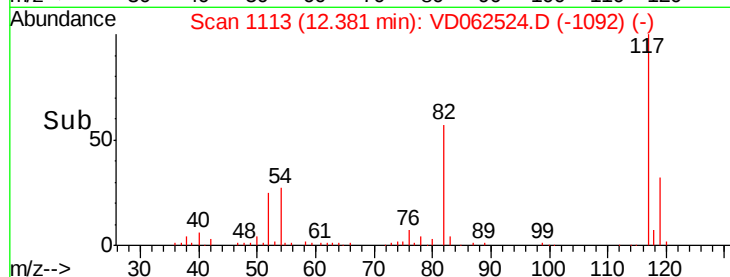
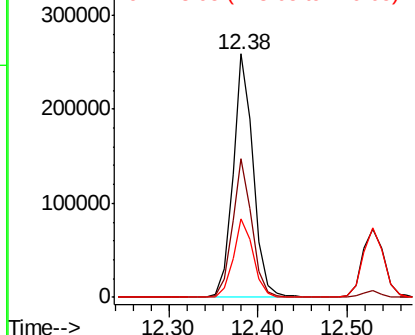
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.01 min
Lab File: VD062524.D
Acq: 23 May 2019 18:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 410183
Ion Ratio Lower Upper
117 100
82 56.8 36.2 54.2#
119 32.4 26.2 39.4

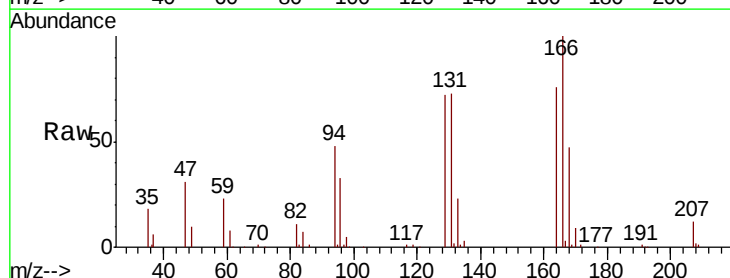


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

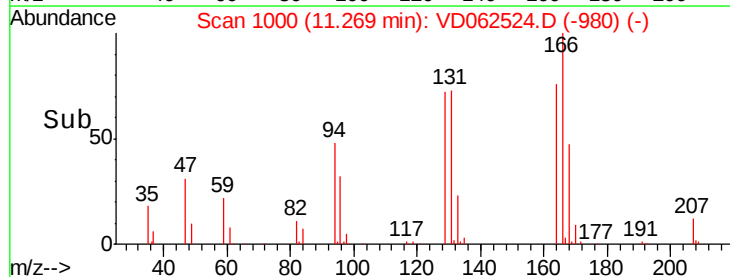
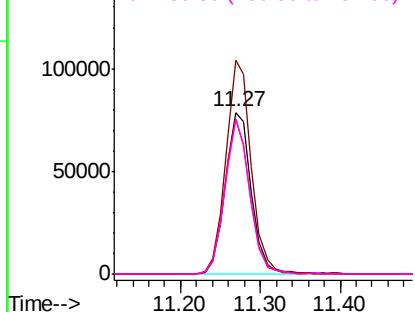


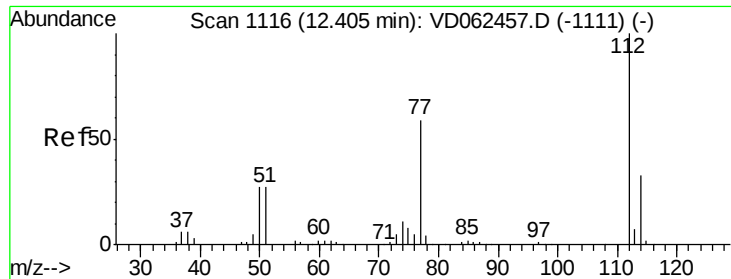
#64
Tetrachloroethene
Concen: 52.525 ug/l
RT: 11.27 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VD062524.D
Acq: 23 May 2019 18:22

Tgt Ion:164 Resp: 180397
Ion Ratio Lower Upper
164 100
166 132.2 101.5 152.3
129 95.6 74.6 112.0
131 96.0 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

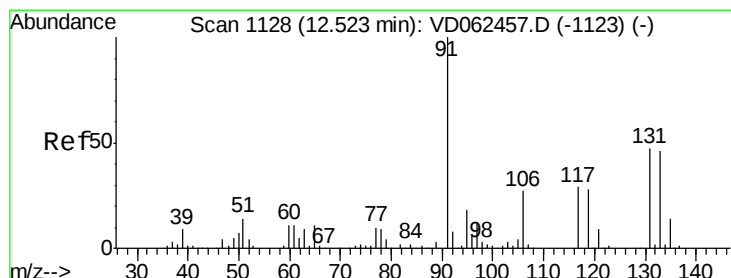
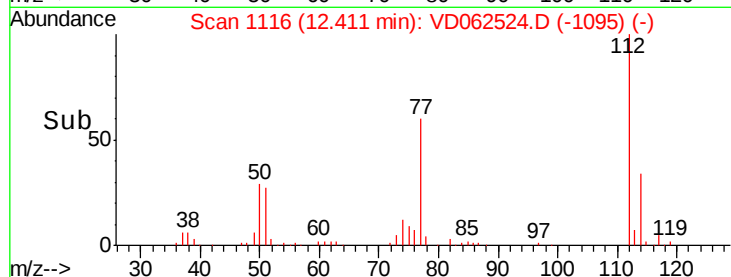
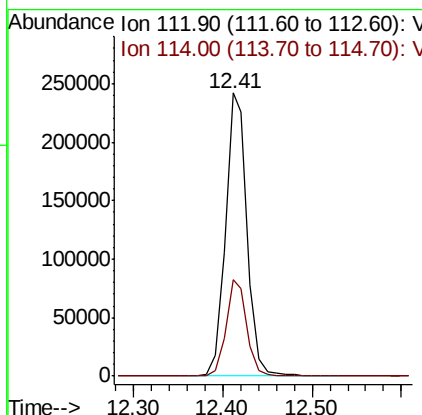
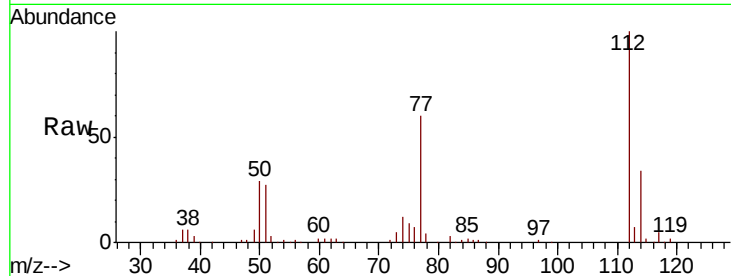




#65
Chlorobenzene
Concen: 51.990 ug/l
RT: 12.41 min Scan# 1116
Delta R.T. 0.01 min
Lab File: VD062524.D
Acq: 23 May 2019 18:22

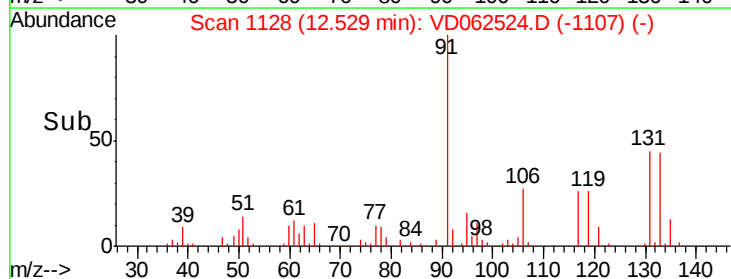
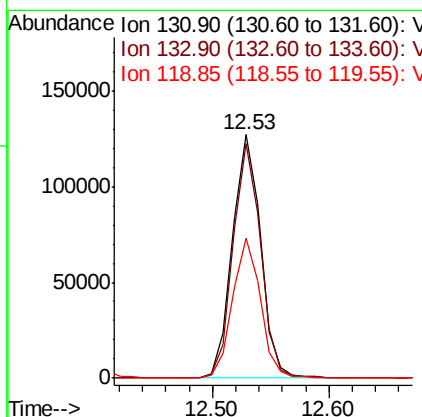
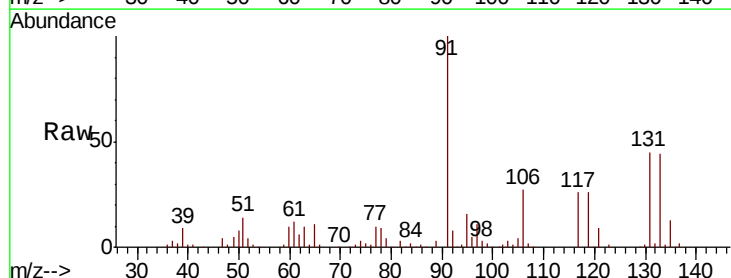
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

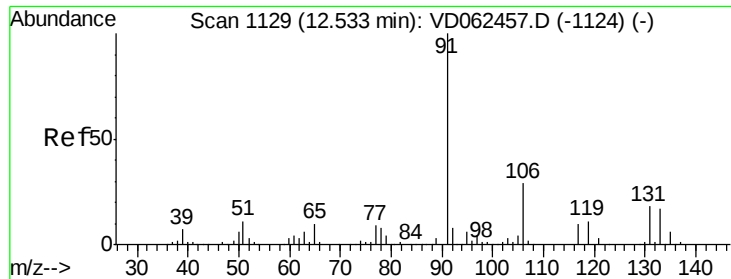
Tot Ion:112 Resp: 410095
Ion Ratio Lower Upper
112 100
114 34.3 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 58.499 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VD062524.D
Acq: 23 May 2019 18:22

Tgt Ion:131 Resp: 213003
Ion Ratio Lower Upper
131 100
133 96.4 48.6 145.8
119 57.7 34.7 104.1

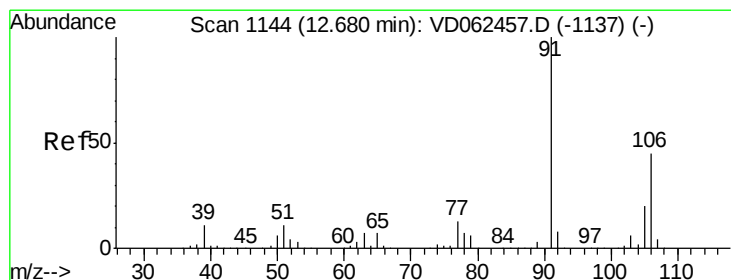
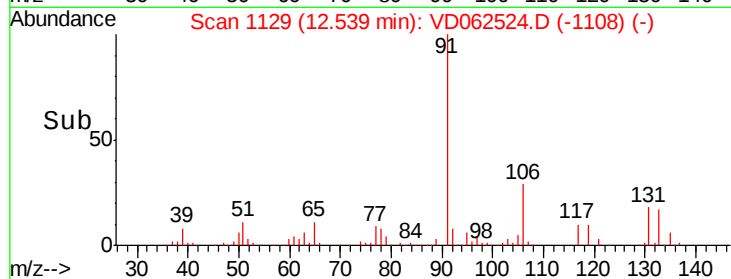
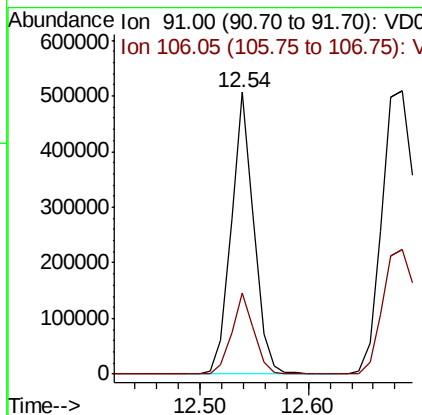
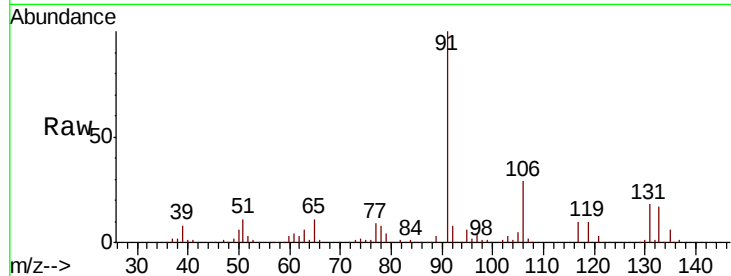




#67
Ethyl Benzene
Concen: 54.254 ug/l
RT: 12.54 min Scan# 1129
Delta R.T. 0.01 min
Lab File: VD062524.D
Acq: 23 May 2019 18:22

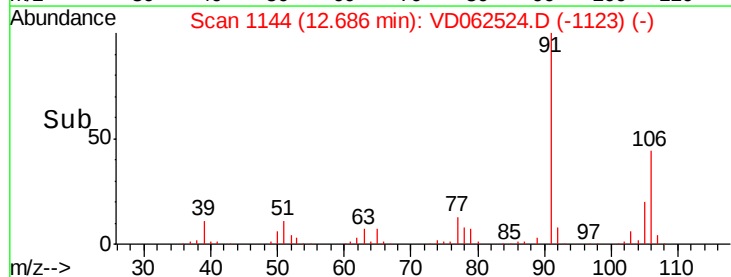
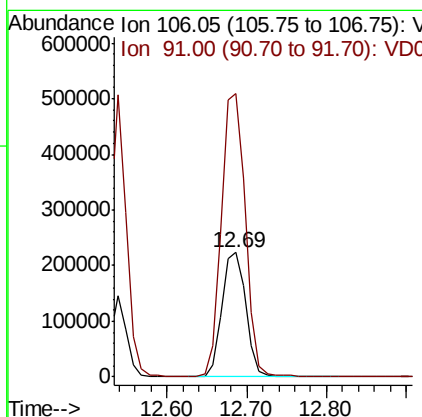
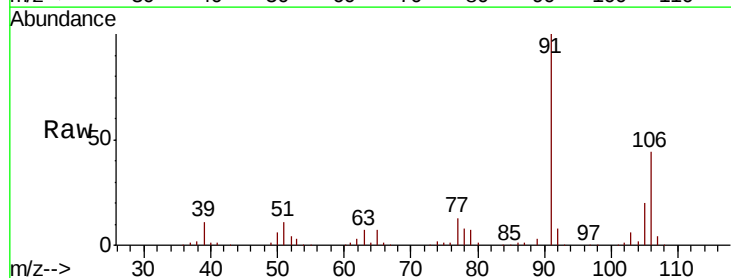
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

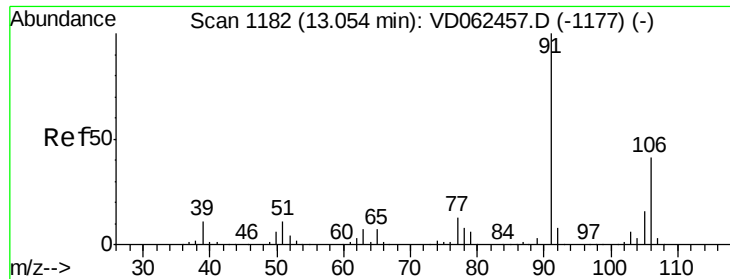
Tot Ion: 91 Resp: 737122
Ion Ratio Lower Upper
91 100
106 28.6 24.7 37.1



#68
m/p-Xylenes
Concen: 97.582 ug/l
RT: 12.69 min Scan# 1144
Delta R.T. 0.01 min
Lab File: VD062524.D
Acq: 23 May 2019 18:22

Tgt Ion: 106 Resp: 475912
Ion Ratio Lower Upper
106 100
91 227.6 164.0 246.0

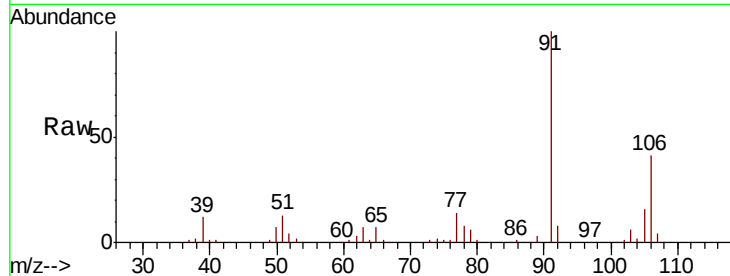




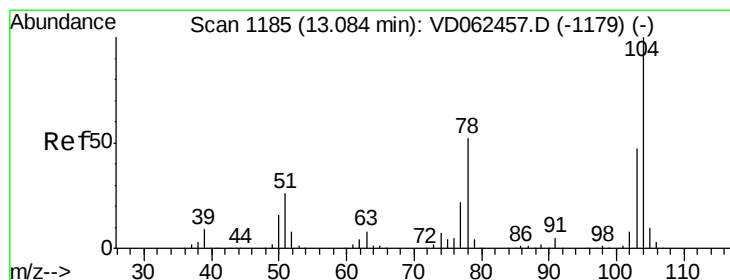
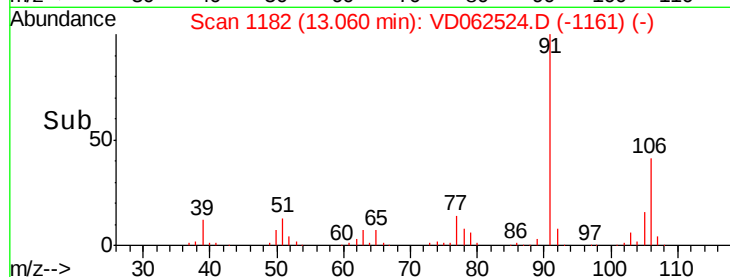
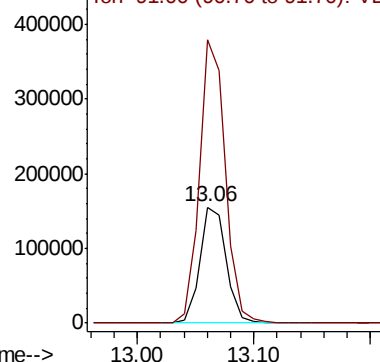
#69
o-Xylene
Concen: 52.990 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. 0.01 min
Lab File: VD062524.D
Acq: 23 May 2019 18:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 243841
Ion Ratio Lower Upper
106 100
91 243.6 106.7 319.9

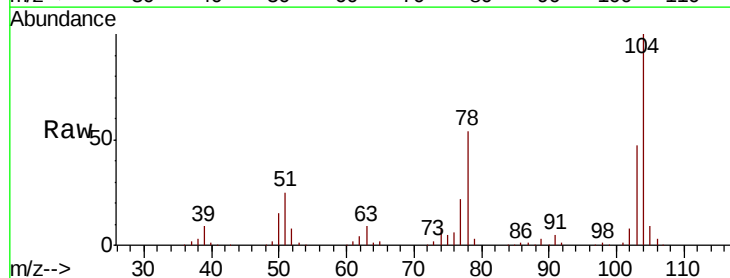


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

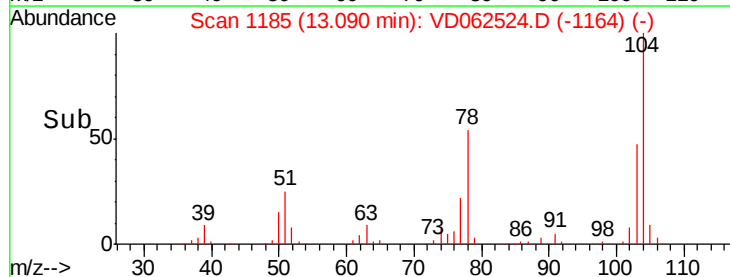
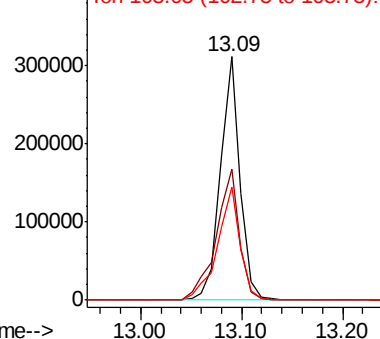


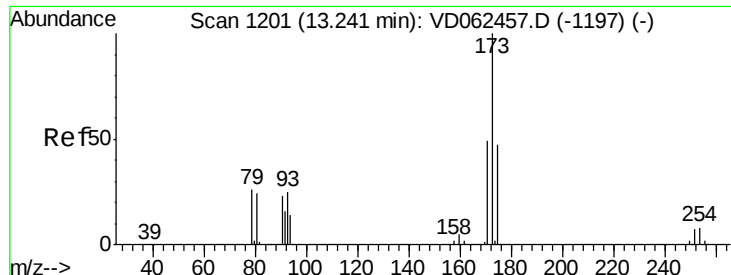
#70
Styrene
Concen: 54.137 ug/l
RT: 13.09 min Scan# 1185
Delta R.T. 0.01 min
Lab File: VD062524.D
Acq: 23 May 2019 18:22

Tgt Ion:104 Resp: 423794
Ion Ratio Lower Upper
104 100
78 53.6 35.4 53.2#
103 46.6 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: 60.901 ug/l

RT: 13.25 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VD062524.D

Acq: 23 May 2019 18:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

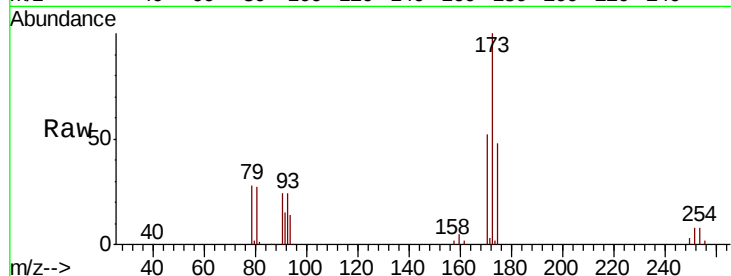
Tot Ion:173 Resp: 147265

Ion Ratio Lower Upper

173 100

175 47.5 24.4 73.4

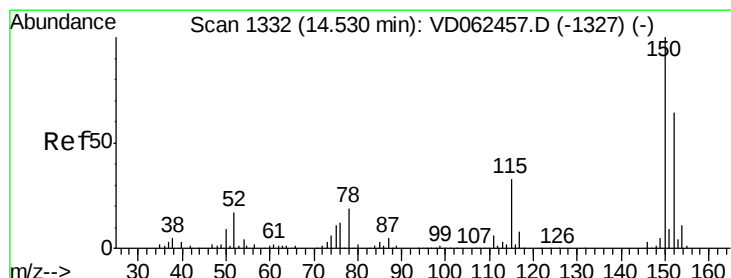
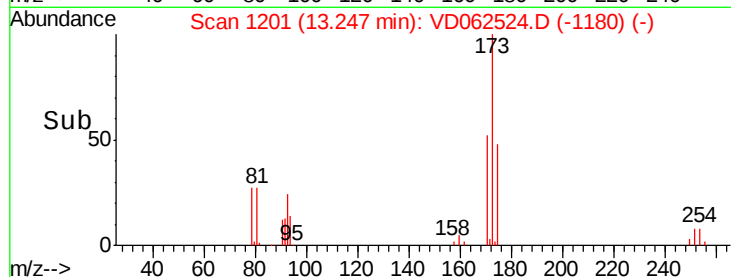
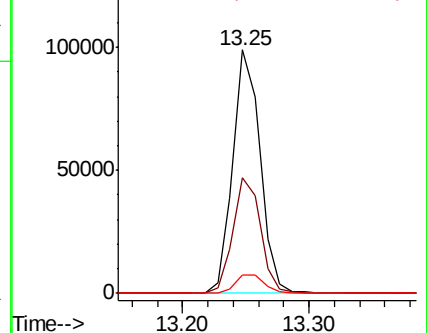
254 7.5 5.4 8.2



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: 14.54 min Scan# 1332

Delta R.T. 0.01 min

Lab File: VD062524.D

Acq: 23 May 2019 18:22

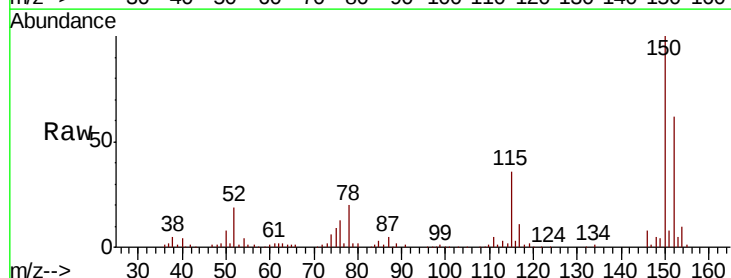
Tgt Ion:152 Resp: 243658

Ion Ratio Lower Upper

152 100

115 57.5 30.9 92.7

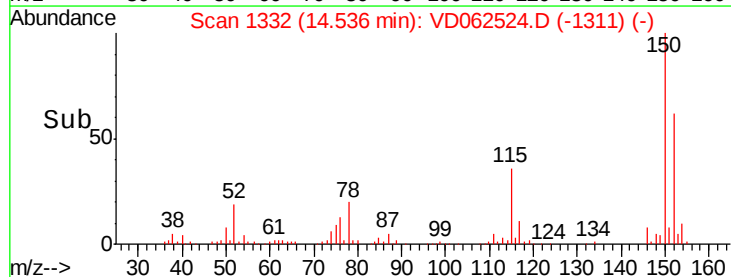
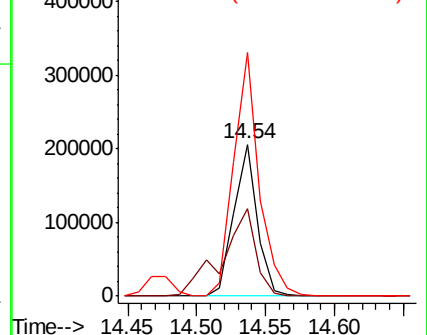
150 160.8 0.0 314.8

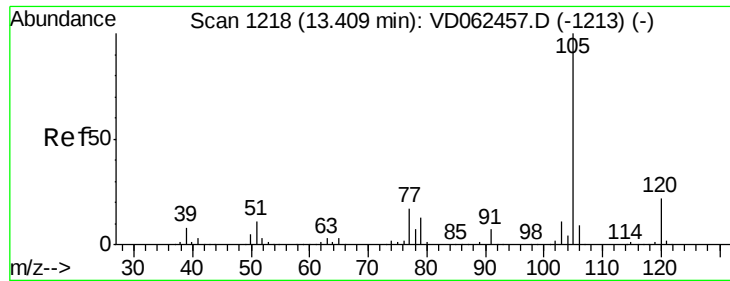


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 47.710 ug/l

RT: 13.41 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VD062524.D

Acq: 23 May 2019 18:22

Instrument :

MSVOA_D

ClientSampleId :

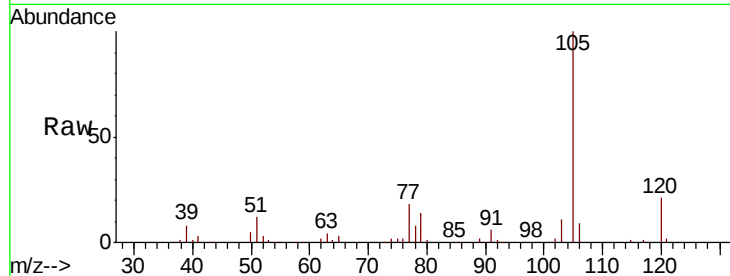
VSTDCCC050EC

Tot Ion:105 Resp: 732766

Ion Ratio Lower Upper

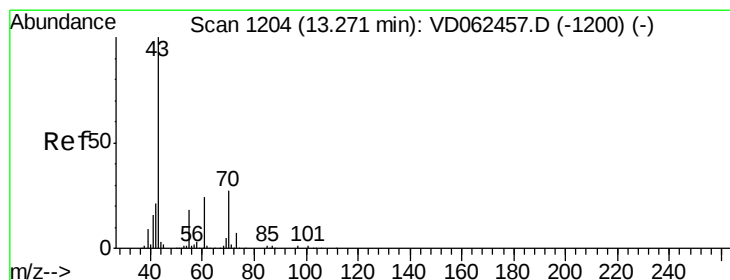
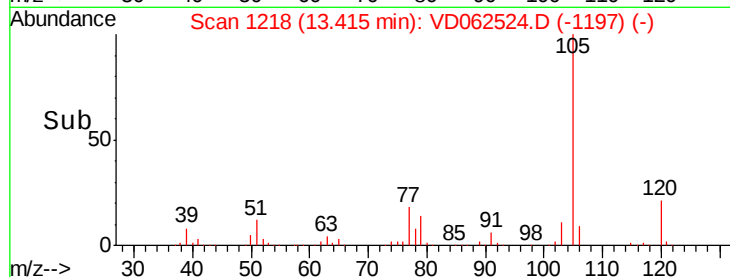
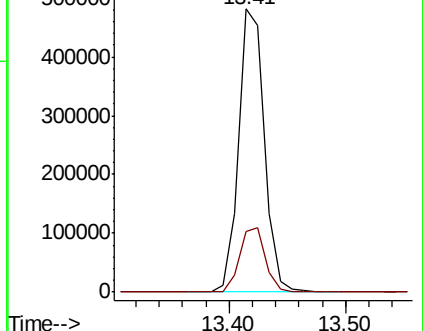
105 100

120 21.3 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 47.534 ug/l

RT: 13.28 min Scan# 1204

Delta R.T. 0.01 min

Lab File: VD062524.D

Acq: 23 May 2019 18:22

Tgt Ion: 43 Resp: 180314

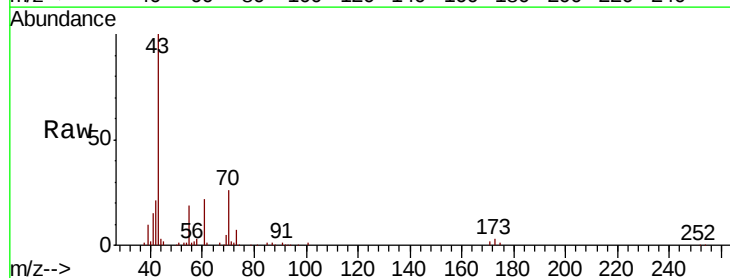
Ion Ratio Lower Upper

43 100

70 26.0 24.2 36.4

55 18.7 16.0 24.0

61 22.3 21.6 32.4

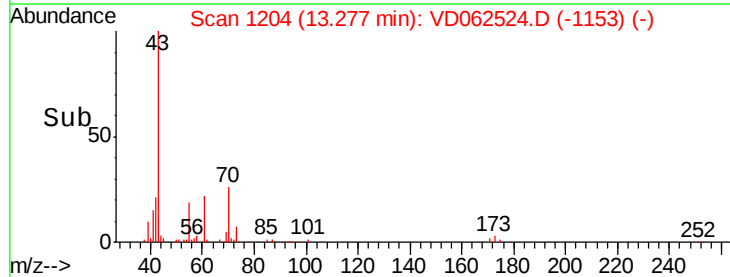
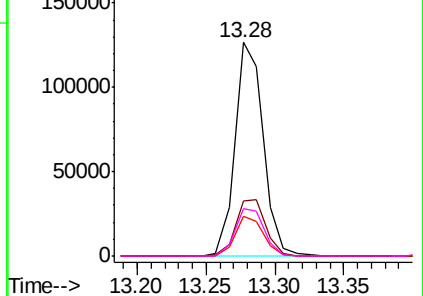


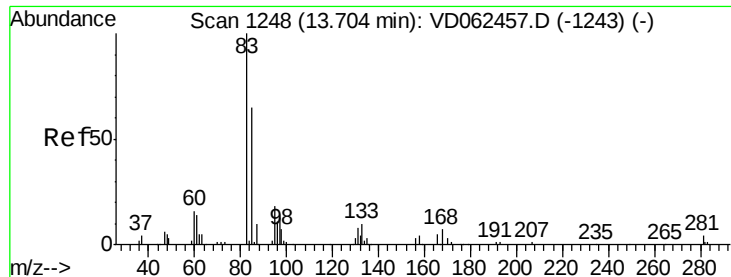
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 44.915 ug/l

RT: 13.72 min Scan# 1249

Delta R.T. 0.02 min

Lab File: VD062524.D

Acq: 23 May 2019 18:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

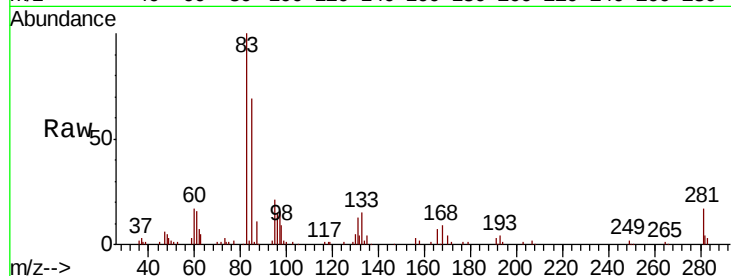
Tot Ion: 83 Resp: 124452

Ion Ratio Lower Upper

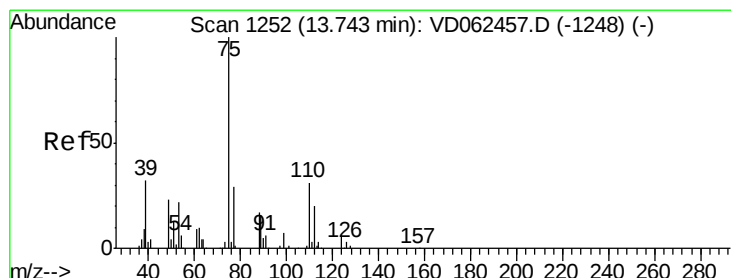
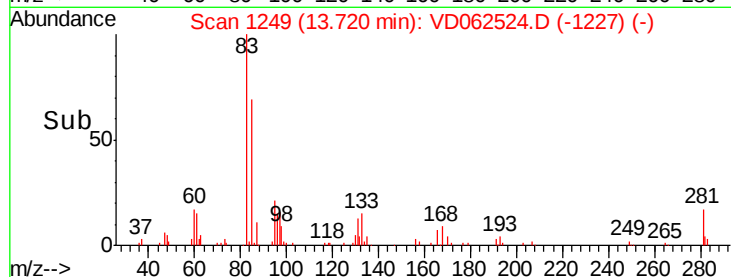
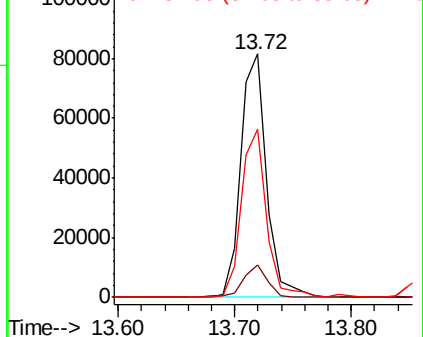
83 100

131 13.3 5.0 14.9

85 69.2 32.6 97.7



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



#76

1,2,3-Trichloropropane

Concen: 50.885 ug/l

RT: 13.75 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VD062524.D

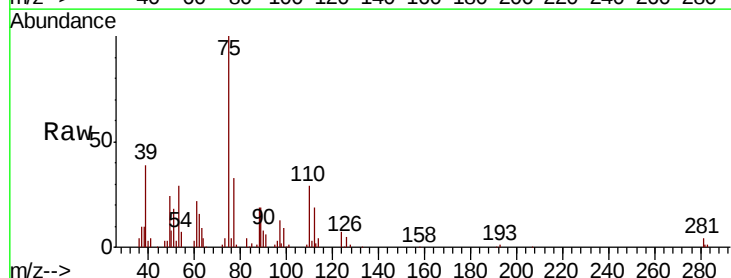
Acq: 23 May 2019 18:22

Tgt Ion: 75 Resp: 146041

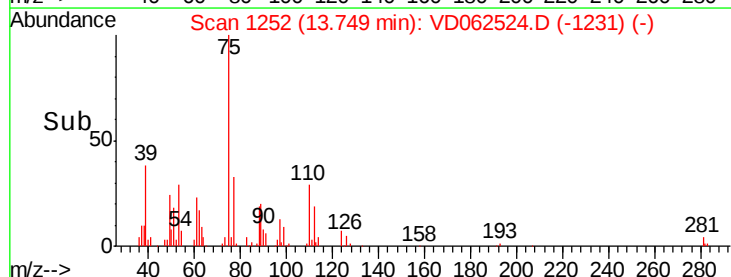
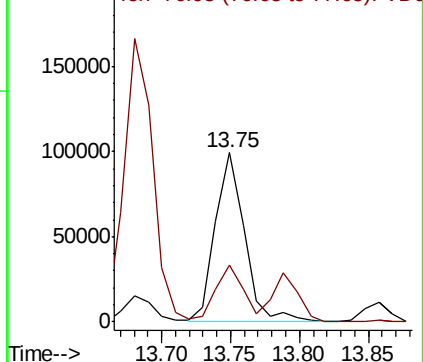
Ion Ratio Lower Upper

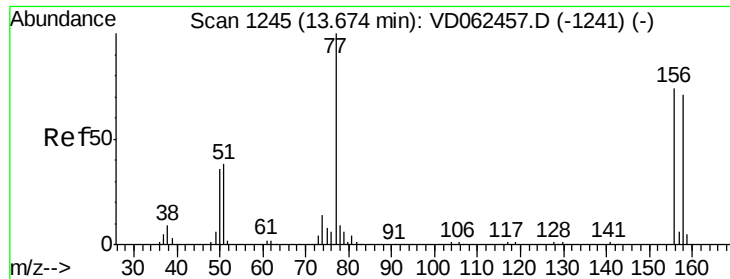
75 100

77 33.4 16.4 49.4



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





#77

Bromobenzene

Concen: 47.756 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. 0.02 min

Lab File: VD062524.D

Acq: 23 May 2019 18:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

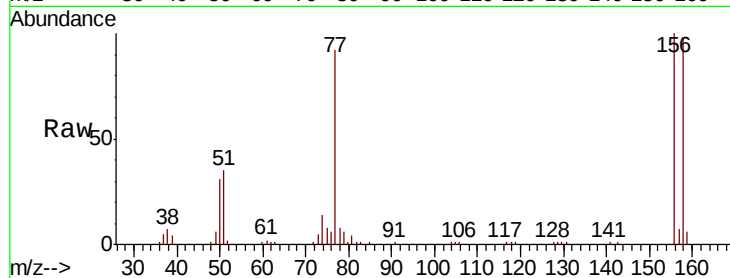
Tot Ion:156 Resp: 208069

Ion Ratio Lower Upper

156 100

77 91.7 53.1 159.4

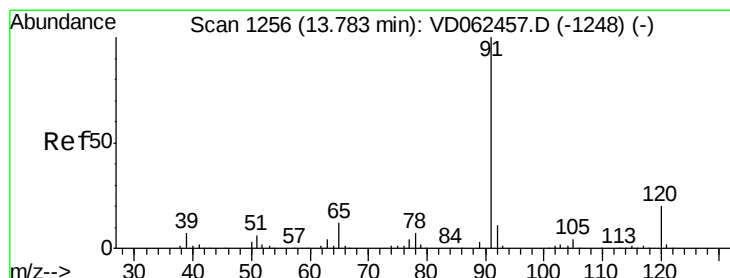
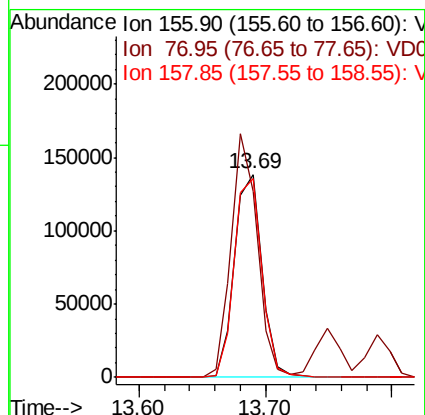
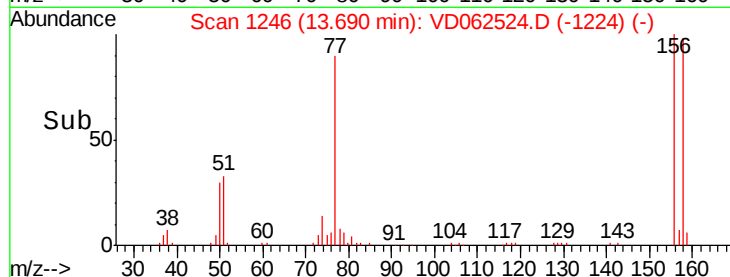
158 98.2 49.4 148.0



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 45.914 ug/l

RT: 13.79 min Scan# 1256

Delta R.T. 0.01 min

Lab File: VD062524.D

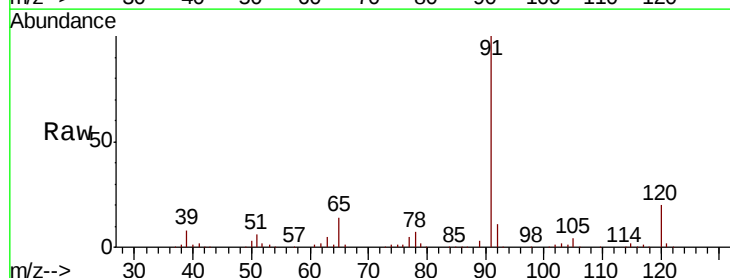
Acq: 23 May 2019 18:22

Tgt Ion: 91 Resp: 816837

Ion Ratio Lower Upper

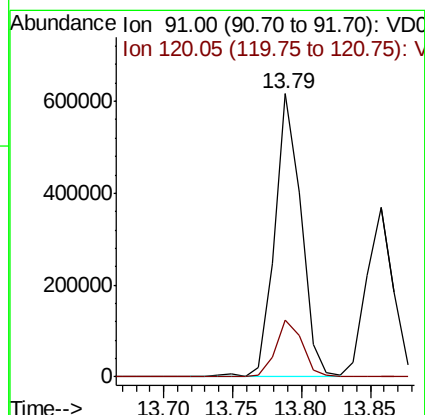
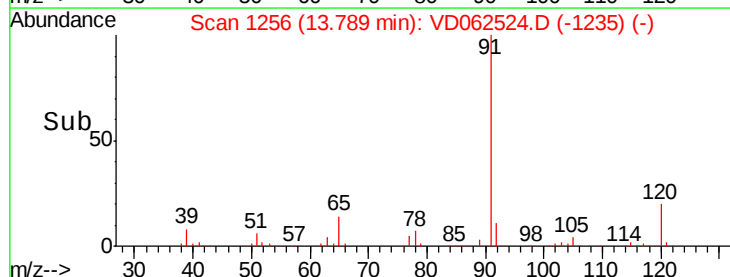
91 100

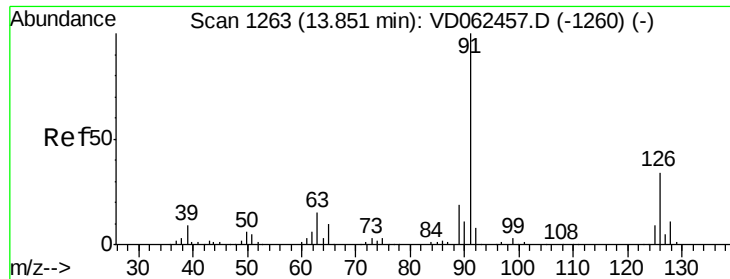
120 19.9 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

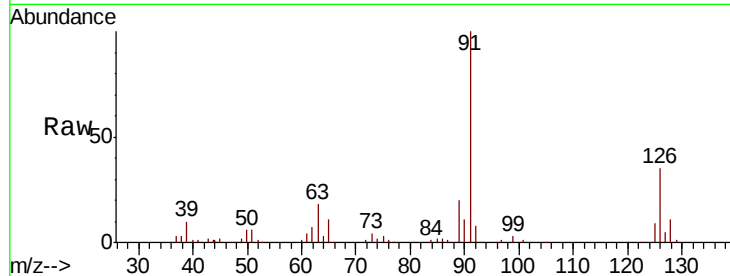




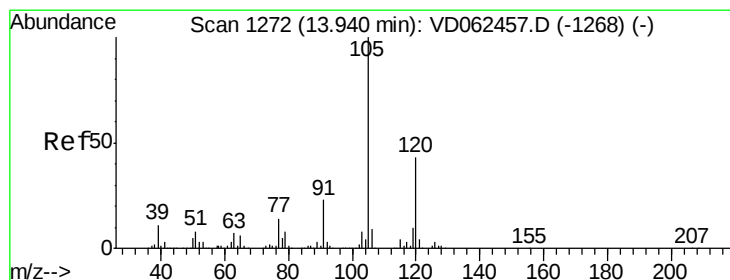
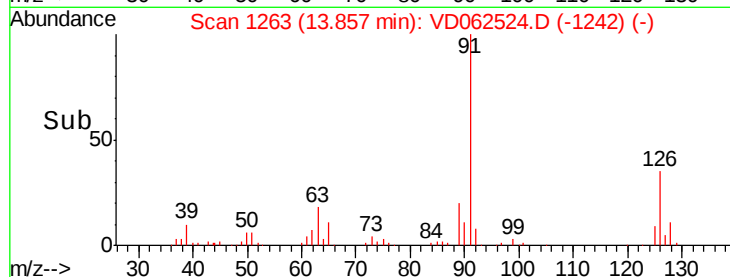
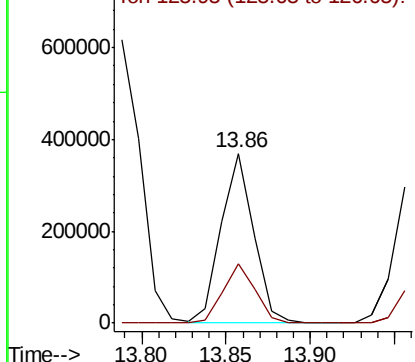
#79
 2-Chlorotoluene
 Concen: 46.020 ug/l
 RT: 13.86 min Scan# 1263
 Delta R.T. 0.01 min
 Lab File: VD062524.D
 Acq: 23 May 2019 18:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 496853
 Ion Ratio Lower Upper
 91 100
 126 35.2 18.6 55.8

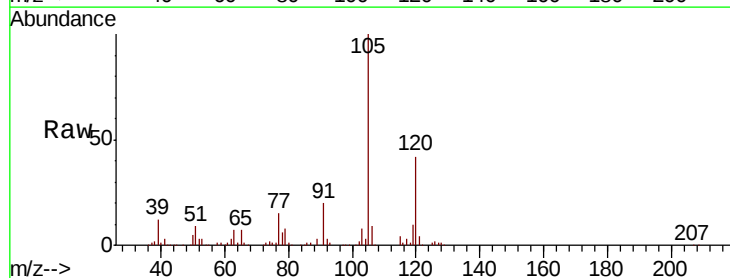


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

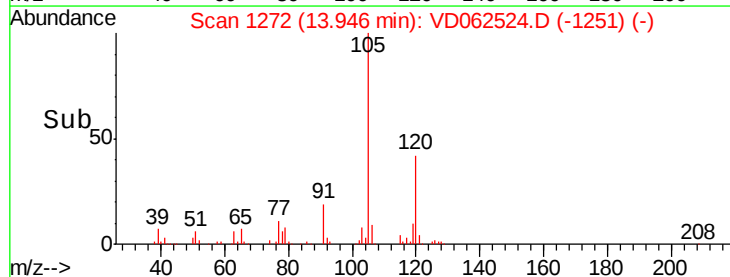
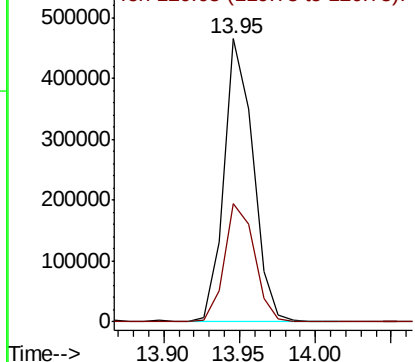


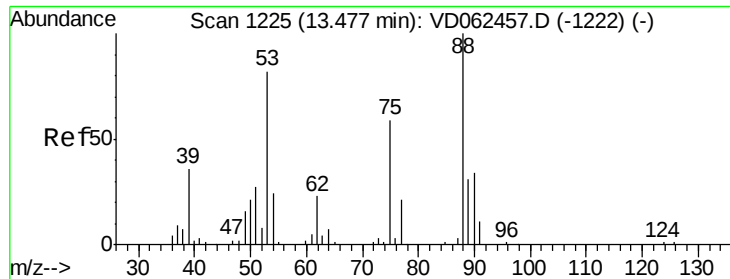
#80
 1,3,5-Trimethylbenzene
 Concen: 46.821 ug/l
 RT: 13.95 min Scan# 1272
 Delta R.T. 0.01 min
 Lab File: VD062524.D
 Acq: 23 May 2019 18:22

Tgt Ion: 105 Resp: 622640
 Ion Ratio Lower Upper
 105 100
 120 41.9 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: 49.715 ug/l

RT: 13.49 min Scan# 1226

Delta R.T. 0.02 min

Lab File: VD062524.D

Acq: 23 May 2019 18:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

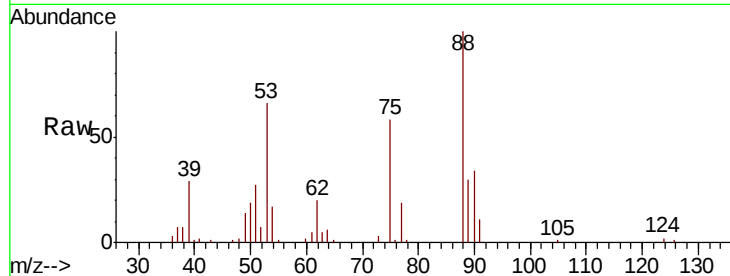
Tot Ion: 75 Resp: 40240

Ion Ratio Lower Upper

75 100

53 114.8 65.8 98.8#

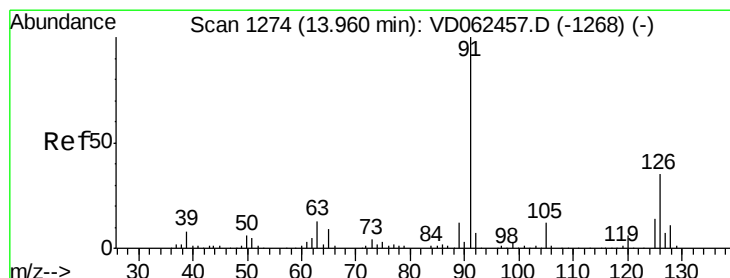
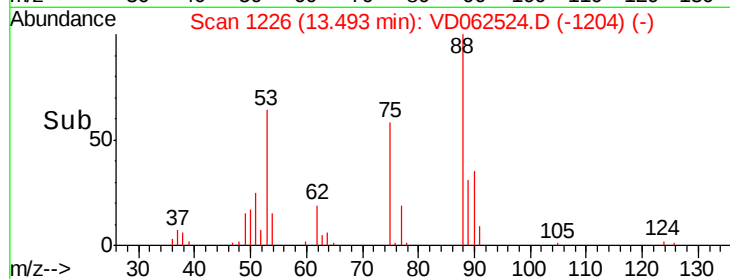
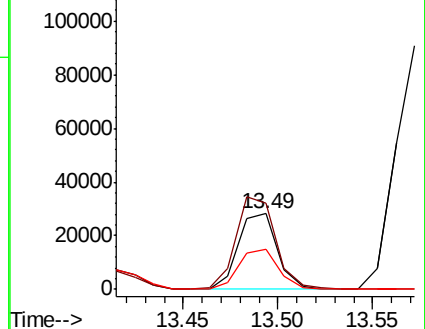
89 52.5 35.0 52.6



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: 47.420 ug/l

RT: 13.97 min Scan# 1274

Delta R.T. 0.01 min

Lab File: VD062524.D

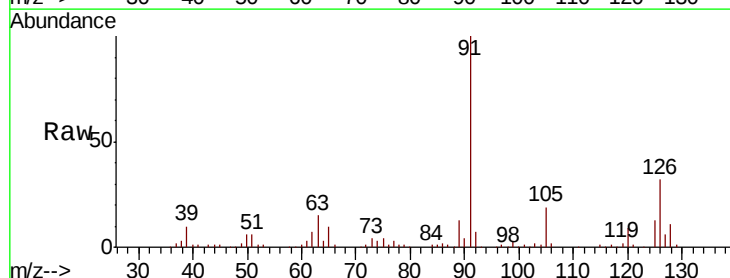
Acq: 23 May 2019 18:22

Tgt Ion: 91 Resp: 589603

Ion Ratio Lower Upper

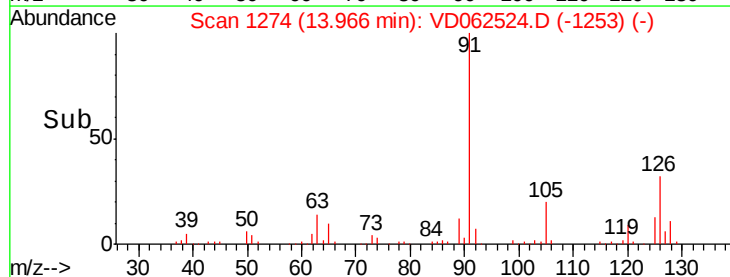
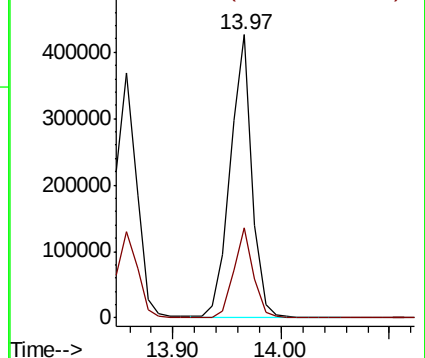
91 100

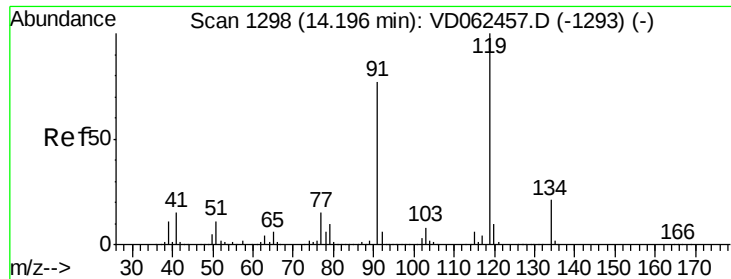
126 31.8 19.1 57.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

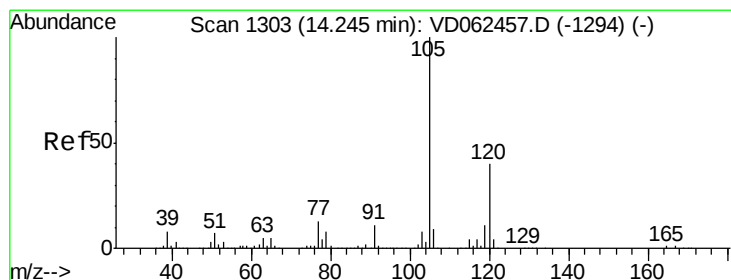
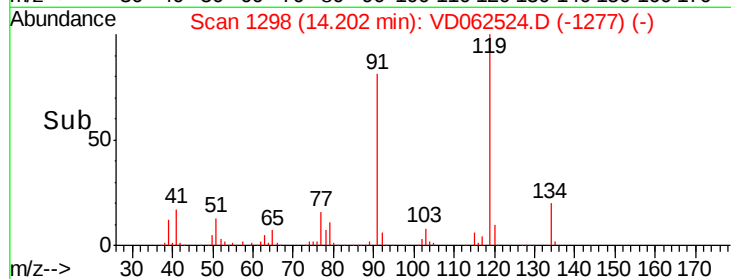
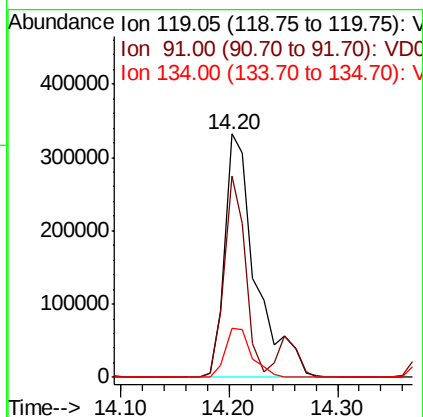
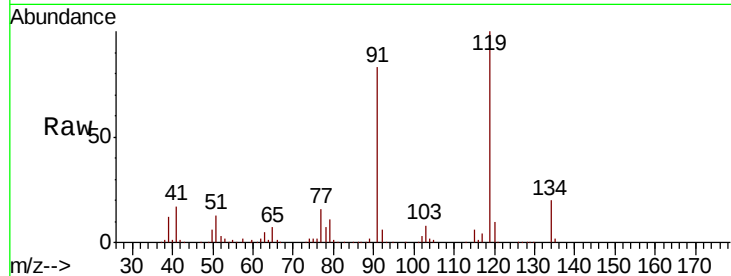




#83
 tert-Butylbenzene
 Concen: 44.885 ug/l
 RT: 14.20 min Scan# 1298
 Delta R.T. 0.01 min
 Lab File: VD062524.D
 Acq: 23 May 2019 18:22

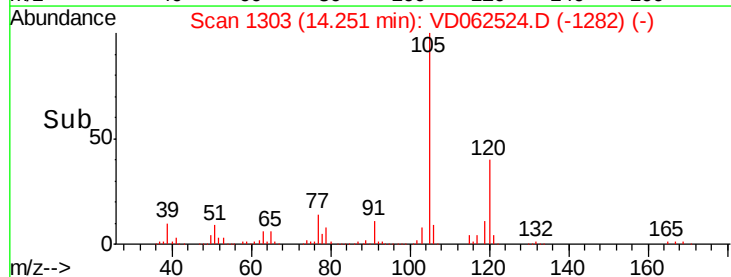
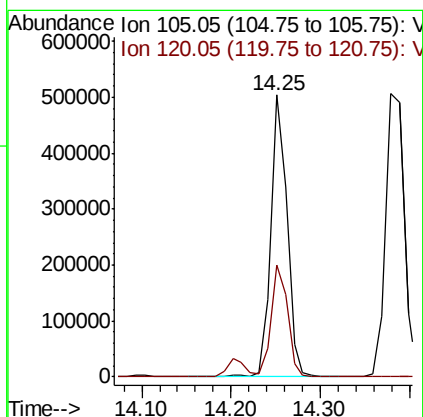
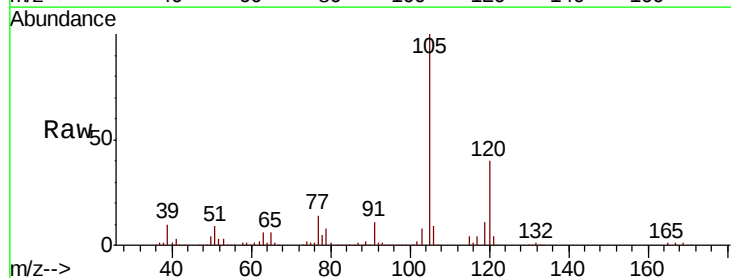
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

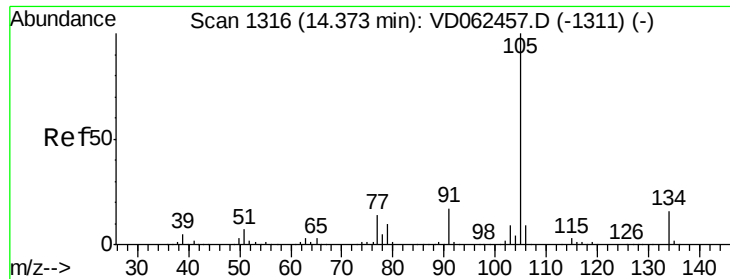
Tot Ion:119 Resp: 662104
 Ion Ratio Lower Upper
 119 100
 91 82.6 34.2 102.6
 134 20.3 12.0 36.0



#84
 1,2,4-Trimethylbenzene
 Concen: 46.362 ug/l
 RT: 14.25 min Scan# 1303
 Delta R.T. 0.01 min
 Lab File: VD062524.D
 Acq: 23 May 2019 18:22

Tgt Ion:105 Resp: 631750
 Ion Ratio Lower Upper
 105 100
 120 39.7 23.1 69.2





#85

sec-Butylbenzene

Concen: 47.537 ug/l

RT: 14.38 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VD062524.D

Acq: 23 May 2019 18:22

Instrument :

MSVOA_D

ClientSampleId :

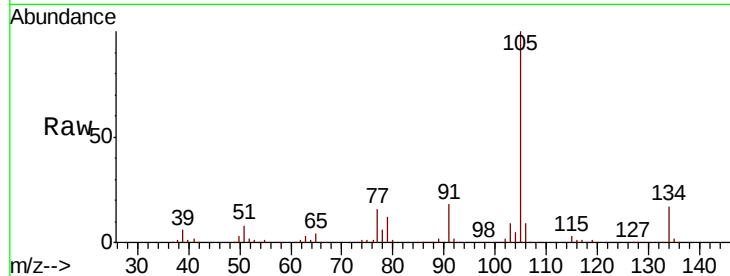
VSTDCCC050EC

Tot Ion:105 Resp: 731177

Ion Ratio Lower Upper

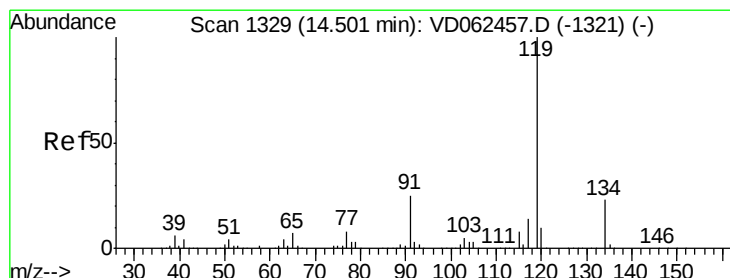
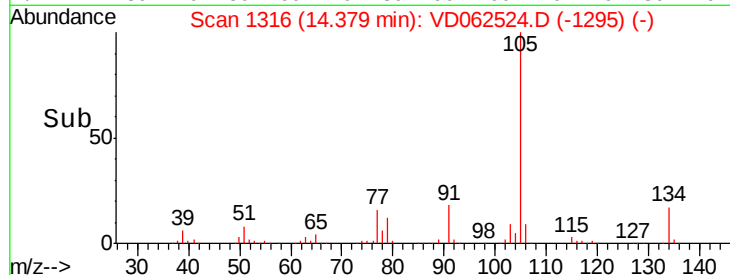
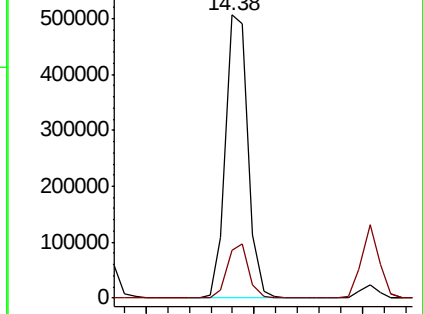
105 100

134 16.7 8.9 26.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 49.700 ug/l

RT: 14.51 min Scan# 1329

Delta R.T. 0.01 min

Lab File: VD062524.D

Acq: 23 May 2019 18:22

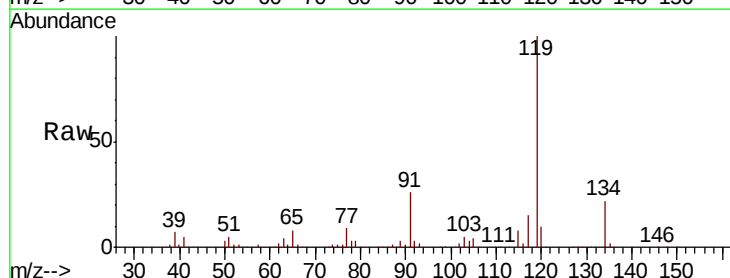
Tgt Ion:119 Resp: 692758

Ion Ratio Lower Upper

119 100

134 22.2 12.8 38.3

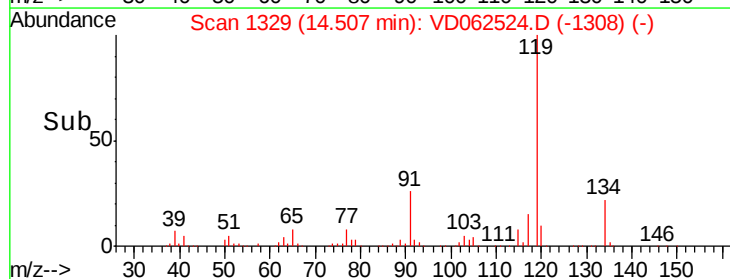
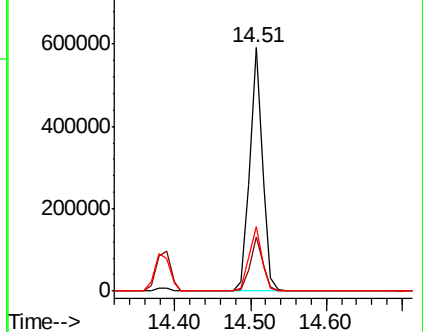
91 26.2 10.7 32.1

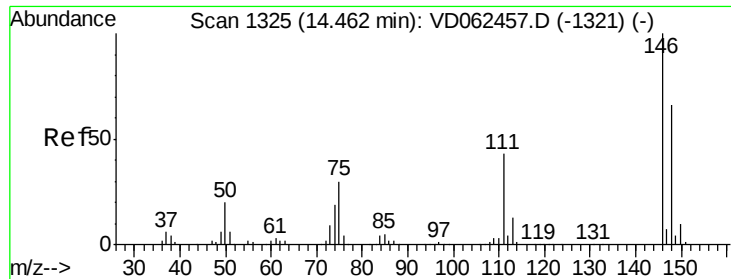


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

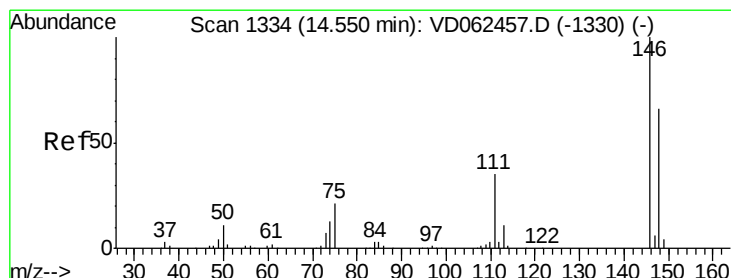
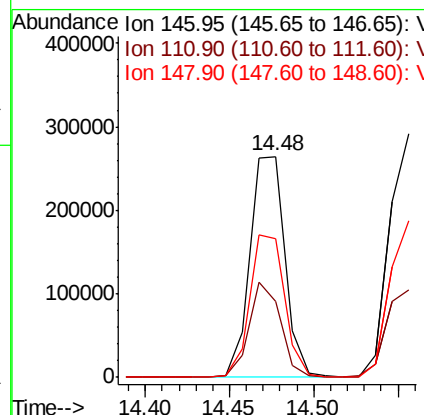
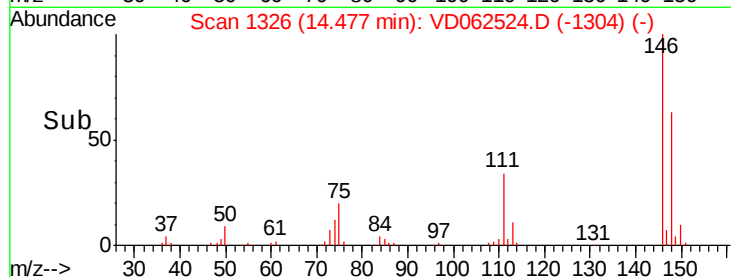
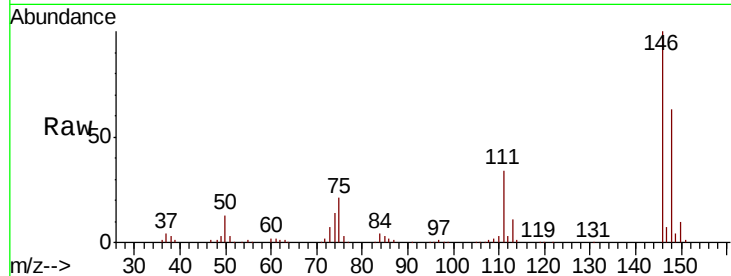




#87
 1,3-Dichlorobenzene
 Concen: 49.719 ug/l
 RT: 14.48 min Scan# 1326
 Delta R.T. 0.02 min
 Lab File: VD062524.D
 Acq: 23 May 2019 18:22

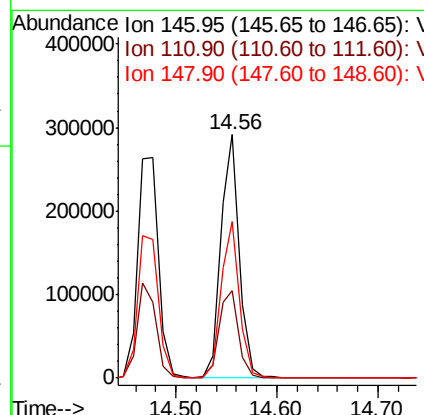
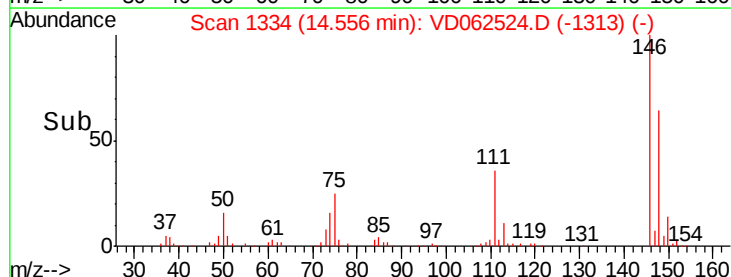
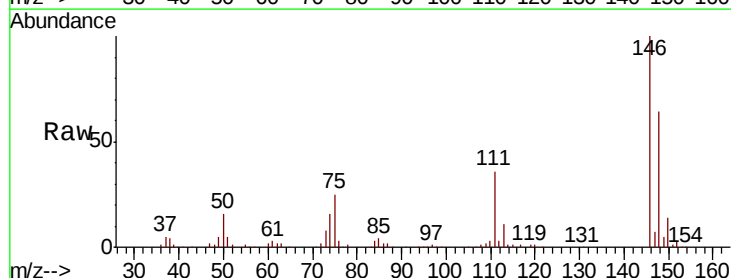
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

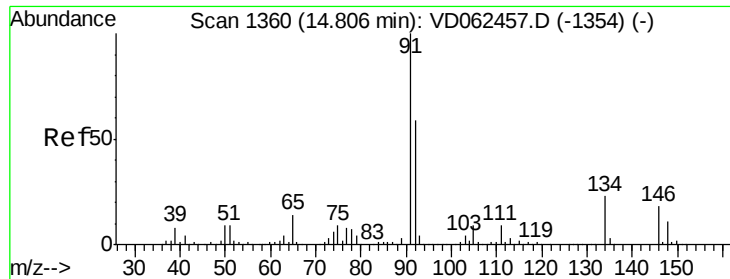
Tot Ion:146 Resp: 382538
 Ion Ratio Lower Upper
 146 100
 111 34.2 20.0 60.0
 148 63.1 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 50.309 ug/l
 RT: 14.56 min Scan# 1334
 Delta R.T. 0.01 min
 Lab File: VD062524.D
 Acq: 23 May 2019 18:22

Tgt Ion:146 Resp: 373526
 Ion Ratio Lower Upper
 146 100
 111 35.7 20.2 60.5
 148 64.5 32.0 96.2

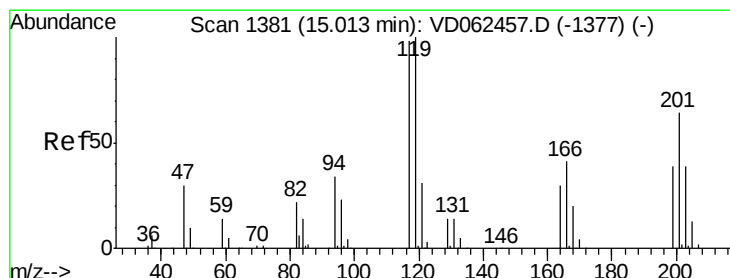
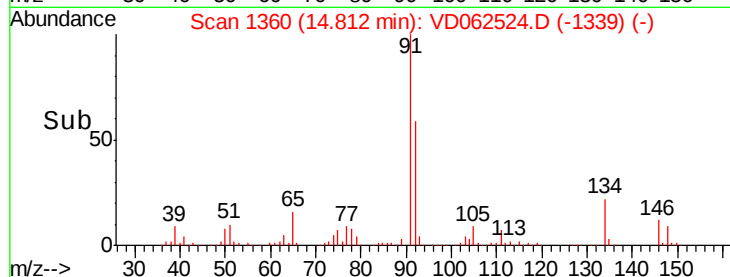
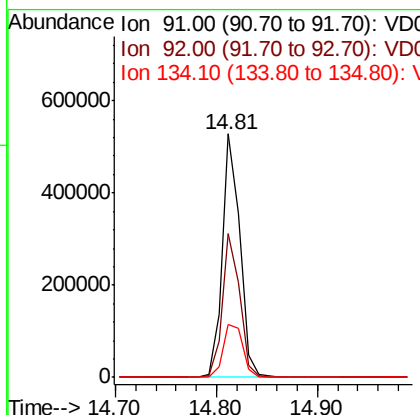
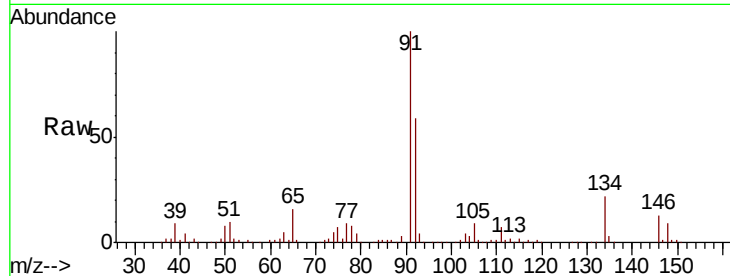




#89
n-Butylbenzene
Concen: 48.119 ug/l
RT: 14.81 min Scan# 1360
Delta R.T. 0.01 min
Lab File: VD062524.D
Acq: 23 May 2019 18:22

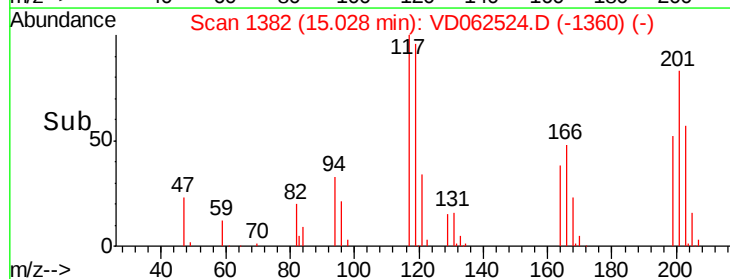
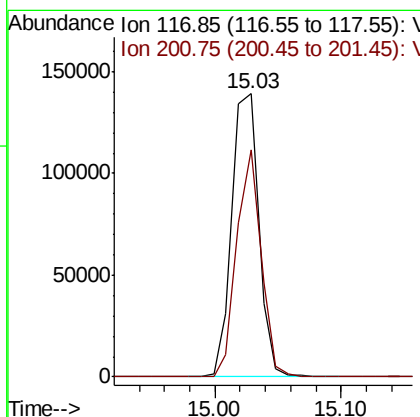
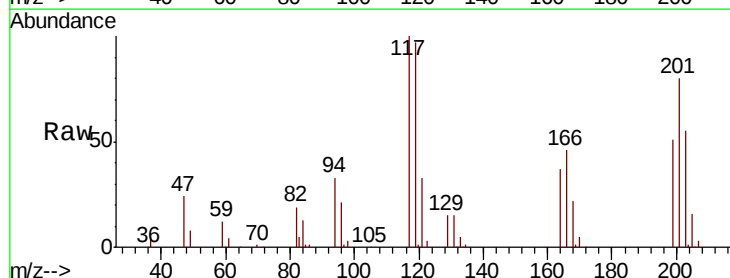
Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050EC

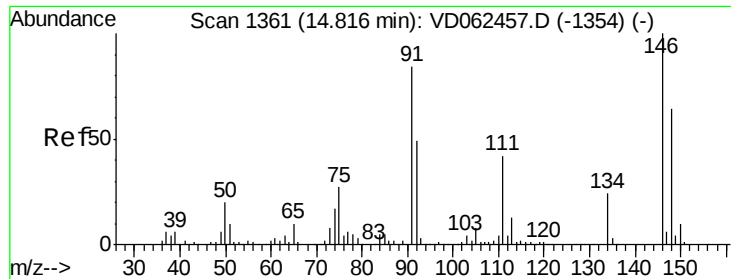
Tot Ion: 91 Resp: 647296
Ion Ratio Lower Upper
91 100
92 58.8 30.3 91.0
134 21.5 14.5 43.6



#90
Hexachloroethane
Concen: 53.420 ug/l
RT: 15.03 min Scan# 1382
Delta R.T. 0.02 min
Lab File: VD062524.D
Acq: 23 May 2019 18:22

Tgt Ion: 117 Resp: 205783
Ion Ratio Lower Upper
117 100
201 80.4 30.2 90.6





#91

1,2-Dichlorobenzene

Concen: 51.148 ug/l

RT: 14.82 min Scan# 1361

Delta R.T. 0.01 min

Lab File: VD062524.D

Acq: 23 May 2019 18:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

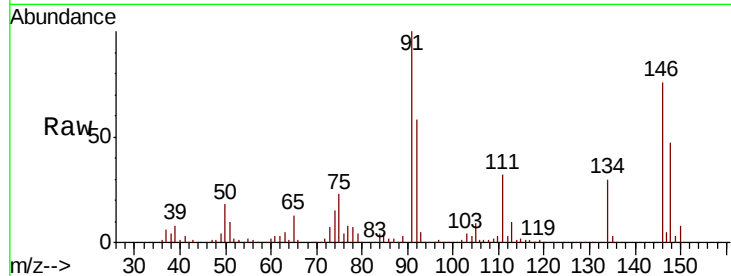
Tot Ion:146 Resp: 334634

Ion Ratio Lower Upper

146 100

111 41.3 20.0 59.9

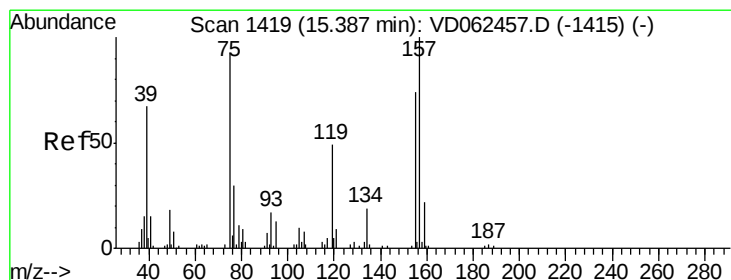
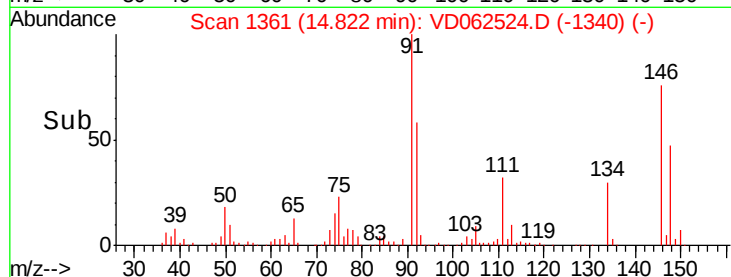
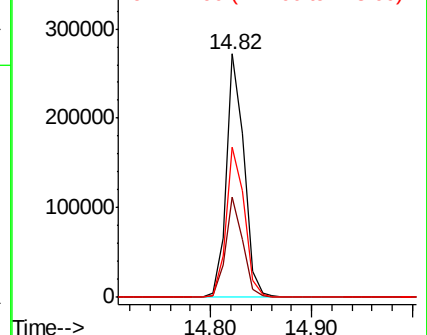
148 61.6 32.3 96.8



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: 50.466 ug/l

RT: 15.39 min Scan# 1419

Delta R.T. 0.01 min

Lab File: VD062524.D

Acq: 23 May 2019 18:22

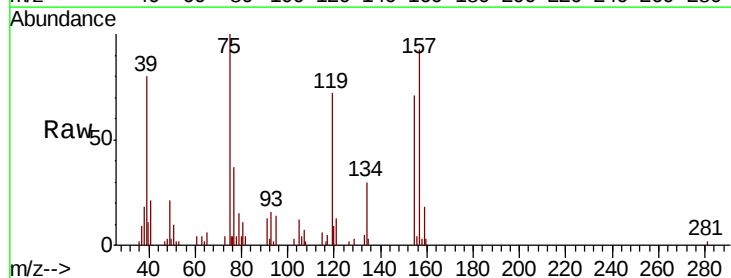
Tgt Ion: 75 Resp: 26542

Ion Ratio Lower Upper

75 100

155 71.4 55.3 165.8

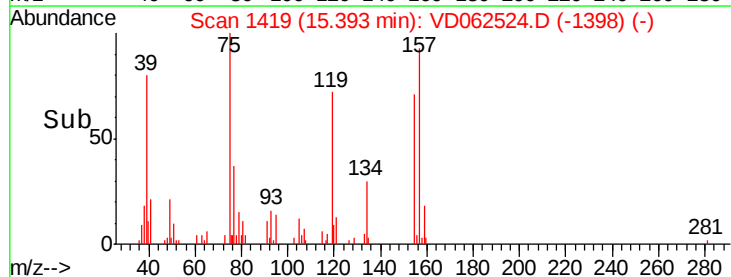
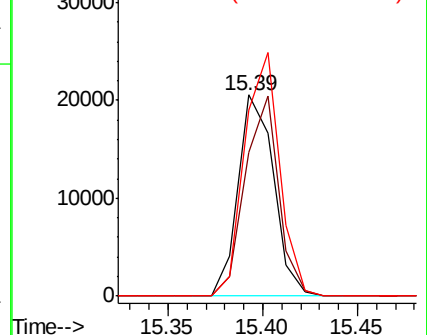
157 92.9 67.8 203.2

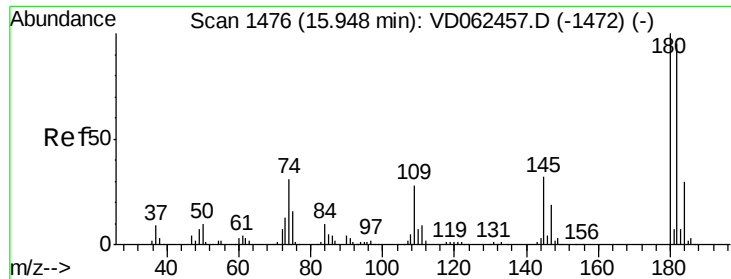


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

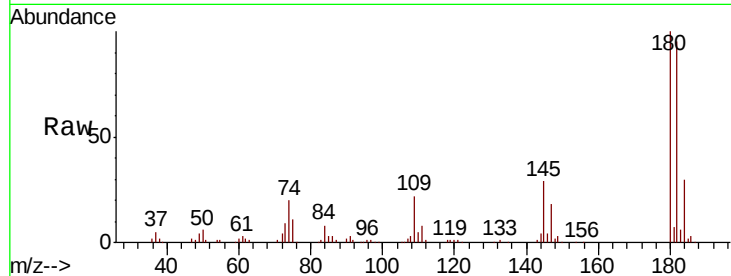




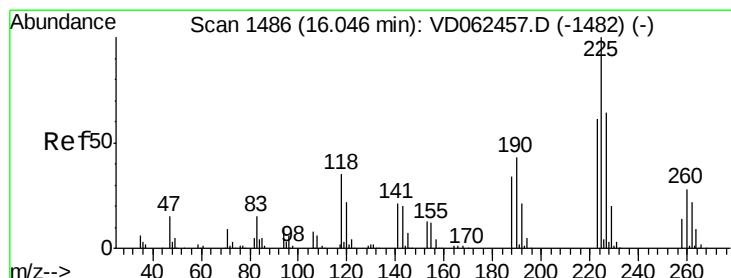
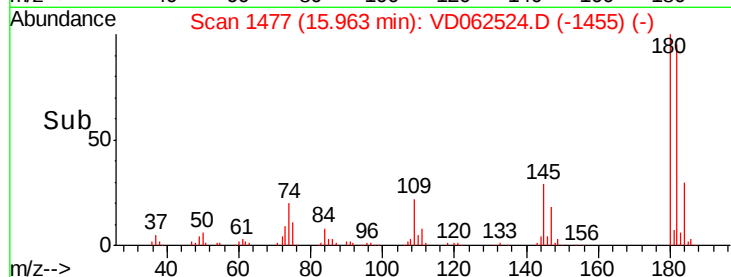
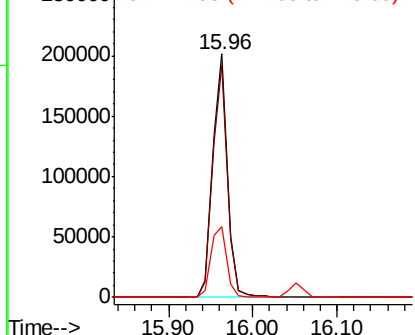
#93
 1,2,4-Trichlorobenzene
 Concen: 47.454 ug/l
 RT: 15.96 min Scan# 1477
 Delta R.T. 0.02 min
 Lab File: VD062524.D
 Acq: 23 May 2019 18:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:180 Resp: 244459
 Ion Ratio Lower Upper
 180 100
 182 95.3 49.3 147.8
 145 29.3 16.2 48.6

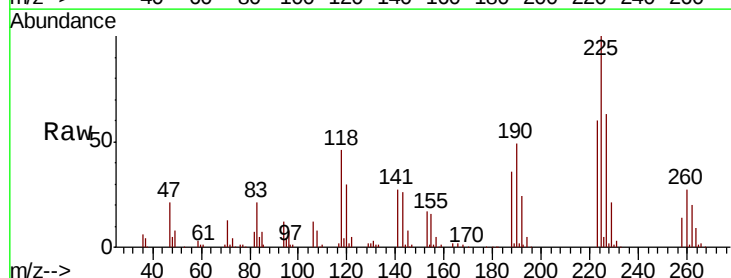


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

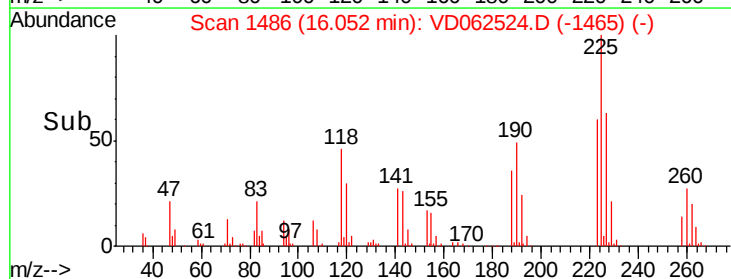
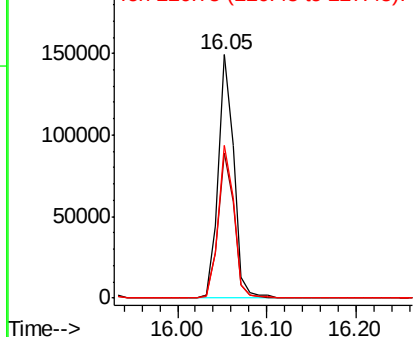


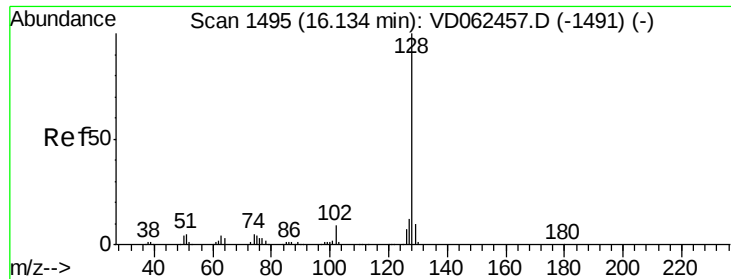
#94
 Hexachlorobutadiene
 Concen: 48.248 ug/l
 RT: 16.05 min Scan# 1486
 Delta R.T. 0.01 min
 Lab File: VD062524.D
 Acq: 23 May 2019 18:22

Tgt Ion:225 Resp: 183521
 Ion Ratio Lower Upper
 225 100
 223 59.6 30.6 92.0
 227 62.6 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

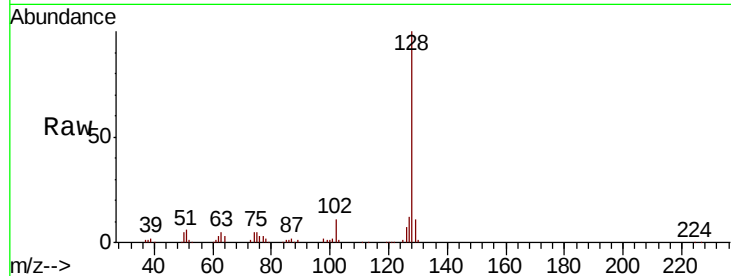




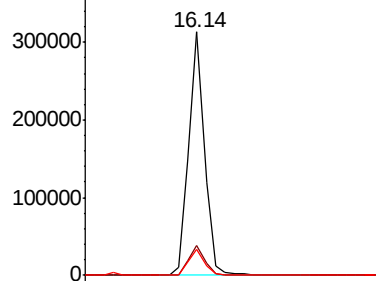
#95
Naphthalene
Concen: 51.478 ug/l
RT: 16.14 min Scan# 1495
Delta R.T. 0.01 min
Lab File: VD062524.D
Acq: 23 May 2019 18:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

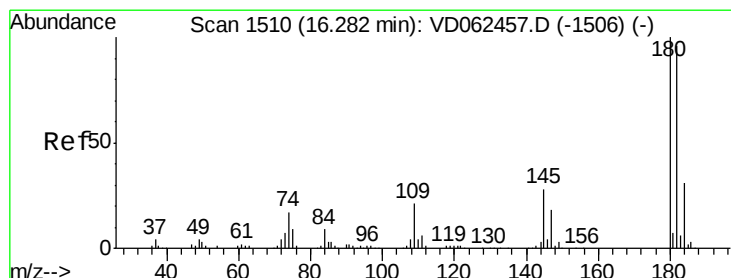
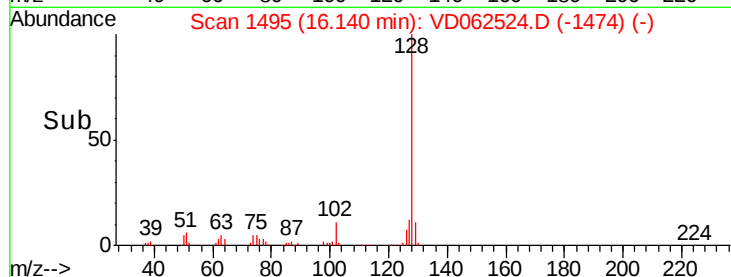
Tot Ion:128 Resp: 362353
Ion Ratio Lower Upper
128 100
127 12.2 9.8 14.8
129 10.9 8.8 13.2



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

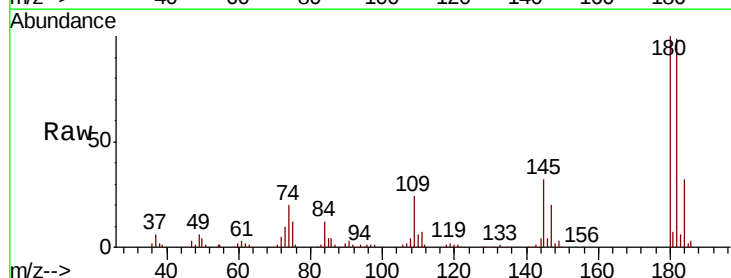


Time-->

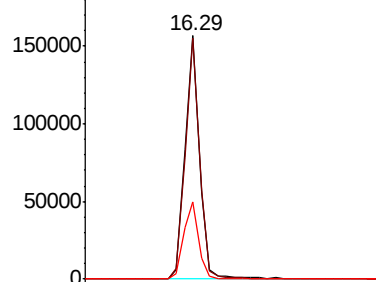


#96
1,2,3-Trichlorobenzene
Concen: 44.457 ug/l
RT: 16.29 min Scan# 1510
Delta R.T. 0.01 min
Lab File: VD062524.D
Acq: 23 May 2019 18:22

Tgt Ion:180 Resp: 187746
Ion Ratio Lower Upper
180 100
182 99.1 47.0 141.0
145 31.5 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



Time-->

