

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD053019\
 Data File : VD062554.D
 Acq On : 30 May 2019 15:27
 Operator : VA/AP
 Sample : VSTDIC020
 Misc : 5.00u/5ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 31 01:15:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 01:07:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	889452	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	1212266	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	952298	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	530220	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	194573	18.64	ug/l	0.00
Spiked Amount			Recovery	=	37.28%	
35) Dibromofluoromethane	6.94	113	207117	18.49	ug/l	0.00
Spiked Amount			Recovery	=	36.98%	
50) Toluene-d8	10.41	98	463596	19.10	ug/l	0.00
Spiked Amount			Recovery	=	38.20%	
62) 4-Bromofluorobenzene	13.56	95	206931	19.01	ug/l	0.00
Spiked Amount			Recovery	=	38.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	216358	20.416	ug/l	93
3) Chloromethane	1.74	50	221284	18.310	ug/l	93
4) Vinyl Chloride	1.85	62	158206	19.423	ug/l	99
5) Bromomethane	2.15	94	51551	20.624	ug/l	91
6) Chloroethane	2.26	64	67493	17.377	ug/l #	87
7) Trichlorofluoromethane	2.53	101	333890	19.622	ug/l	95
8) Diethyl Ether	2.87	74	39763	18.187	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.15	101	192435	19.118	ug/l	91
10) Methyl Iodide	3.31	142	263348	23.958	ug/l	99
11) Tert butyl alcohol	4.09	59	45412	94.626	ug/l #	88
12) 1,1-Dichloroethene	3.13	96	146634	20.497	ug/l	94
13) Acrolein	3.04	56	18544	89.271	ug/l	91
14) Allyl chloride	3.62	41	206906	18.473	ug/l	86
15) Acrylonitrile	4.20	53	106631	98.642	ug/l	95
16) Acetone	3.23	43	185461	86.140	ug/l	96
17) Carbon Disulfide	3.38	76	436737	19.211	ug/l	95
18) Methyl Acetate	3.65	43	66793	19.071	ug/l #	92
19) Methyl tert-butyl Ether	4.25	73	337299	19.357	ug/l	99
20) Methylene Chloride	3.82	84	153578	20.353	ug/l	91
21) trans-1,2-Dichloroethene	4.22	96	154959	19.105	ug/l	95
22) Diisopropyl ether	5.14	45	440396	19.533	ug/l	96
23) Vinyl Acetate	5.08	43	1323753	96.472	ug/l	97
24) 1,1-Dichloroethane	4.99	63	287769	19.537	ug/l #	96
25) 2-Butanone	6.08	43	178565	90.248	ug/l	98
26) 2,2-Dichloropropane	6.03	77	297723	18.616	ug/l	99
27) cis-1,2-Dichloroethene	6.04	96	156911	18.781	ug/l	95
28) Bromochloromethane	6.45	49	100076	20.485	ug/l	96
29) Tetrahydrofuran	6.48	42	85332	93.806	ug/l	96
30) Chloroform	6.68	83	343901	19.403	ug/l	95
31) Cyclohexane	6.97	56	183084	18.762	ug/l	97
32) 1,1,1-Trichloroethane	6.88	97	358674	19.817	ug/l	96
36) 1,1-Dichloropropene	7.16	75	228758	18.606	ug/l	94
37) Ethyl Acetate	6.19	43	97224	17.709	ug/l #	93
38) Carbon Tetrachloride	7.13	117	343785	18.513	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	188858	18.336	ug/l	96
40) Benzene	7.47	78	452748	18.747	ug/l	99
41) Methacrylonitrile	6.47	41	117306	19.062	ug/l #	89
42) 1,2-Dichloroethane	7.59	62	251101	18.623	ug/l	99
43) Isopropyl Acetate	9.25	43	122096	18.757	ug/l #	98
44) Trichloroethene	8.55	130	189355	19.588	ug/l	98
45) 1,2-Dichloropropane	8.95	63	117519	19.810	ug/l	99
46) Dibromomethane	9.08	93	97676	19.740	ug/l	96
47) Bromodichloromethane	9.39	83	266560	19.393	ug/l	98
48) Methyl methacrylate	9.13	41	80970	18.103	ug/l	93
49) 1,4-Dioxane	9.10	88	13676	376.642	ug/l #	82
51) 4-Methyl-2-Pentanone	10.32	43	426953	92.715	ug/l	97
52) Toluene	10.52	92	308249	18.761	ug/l	97
53) t-1,3-Dichloropropene	10.93	75	214416	18.247	ug/l	99
54) cis-1,3-Dichloropropene	10.05	75	229907	18.928	ug/l	95
55) 1,1,2-Trichloroethane	11.20	97	106225	19.443	ug/l	92
56) Ethyl methacrylate	11.05	69	111486	19.293	ug/l	96
57) 1,3-Dichloropropane	11.42	76	146241	17.672	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.87	63	325560	108.697	ug/l	99
59) 2-Hexanone	11.55	43	290616	90.324	ug/l	97
60) Dibromochloromethane	11.69	129	204966	19.338	ug/l	97
61) 1,2-Dibromoethane	11.81	107	124476	19.253	ug/l	97
64) Tetrachloroethene	11.27	164	173610	20.144	ug/l	96
65) Chlorobenzene	12.41	112	372044	19.320	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.52	131	176987	19.667	ug/l	94
67) Ethyl Benzene	12.53	91	692326	19.954	ug/l	97
68) m/p-Xylenes	12.68	106	495465	42.048	ug/l	99
69) o-Xylene	13.05	106	230748	20.209	ug/l	85
70) Styrene	13.08	104	403808	20.920	ug/l	100
71) Bromoform	13.24	173	123057	19.641	ug/l	98
73) Isopropylbenzene	13.41	105	724260	20.544	ug/l	95
74) N-amyl acetate	13.27	43	176289	19.464	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.70	83	113151	19.585	ug/l	100
76) 1,2,3-Trichloropropane	13.74	75	126396	18.880	ug/l	98
77) Bromobenzene	13.68	156	201169	20.385	ug/l	93
78) n-propylbenzene	13.78	91	827098	20.133	ug/l	98
79) 2-Chlorotoluene	13.85	91	509679	21.191	ug/l	96
80) 1,3,5-Trimethylbenzene	13.94	105	637654	20.853	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.48	75	33956	18.748	ug/l #	81
82) 4-Chlorotoluene	13.95	91	581173	20.094	ug/l	86
83) tert-Butylbenzene	14.19	119	667008	19.828	ug/l	100
84) 1,2,4-Trimethylbenzene	14.24	105	602854	19.719	ug/l	97
85) sec-Butylbenzene	14.37	105	740528	20.641	ug/l	97
86) p-Isopropyltoluene	14.50	119	705508	20.908	ug/l	97
87) 1,3-Dichlorobenzene	14.46	146	356295	20.683	ug/l	96
88) 1,4-Dichlorobenzene	14.55	146	329928	19.528	ug/l	96
89) n-Butylbenzene	14.81	91	623572	20.309	ug/l	99
90) Hexachloroethane	15.01	117	175938	19.511	ug/l	75
91) 1,2-Dichlorobenzene	14.82	146	295298	20.122	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.39	75	21333	18.198	ug/l	81

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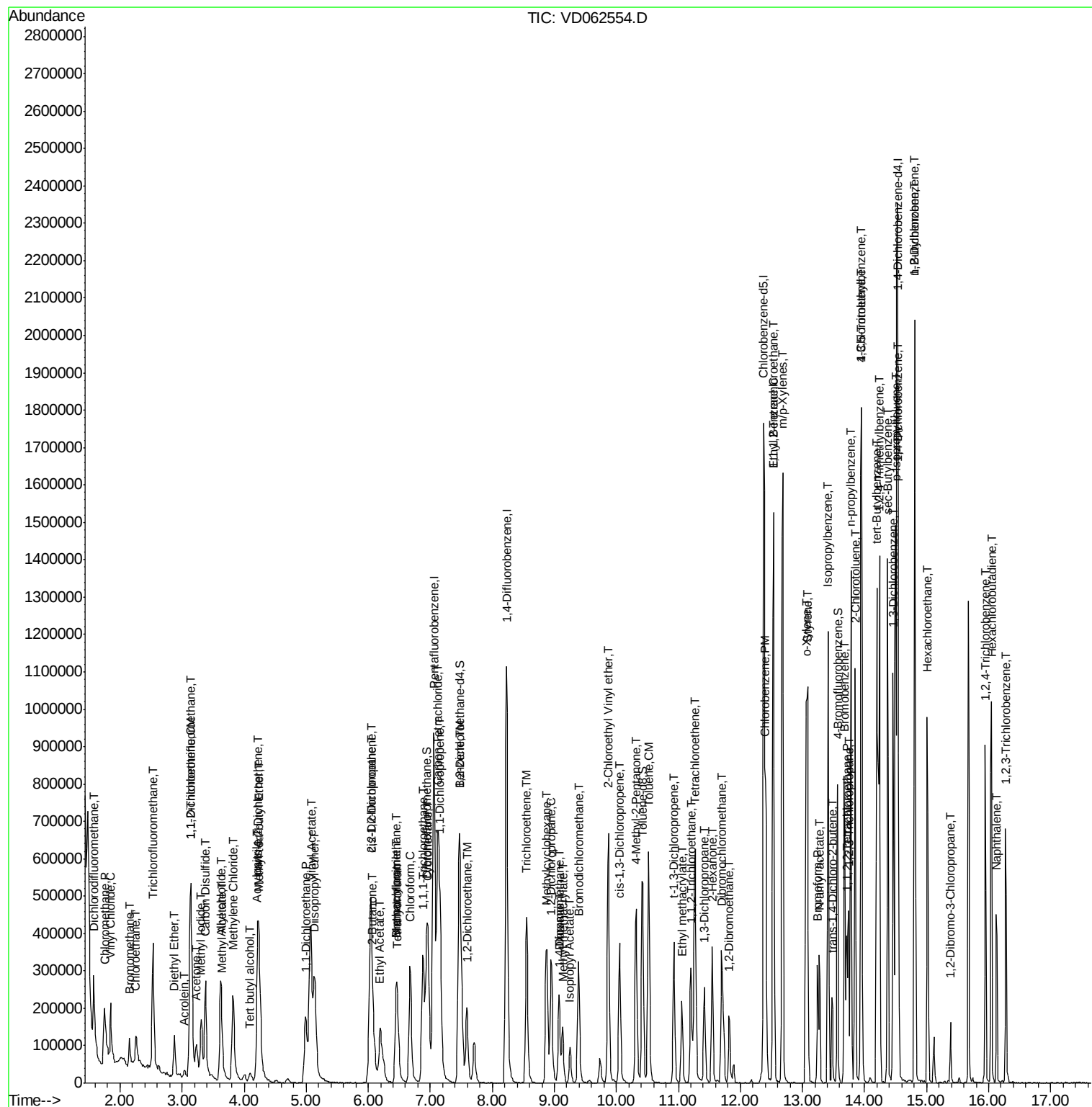
Quant Time: May 31 01:15:11 2019
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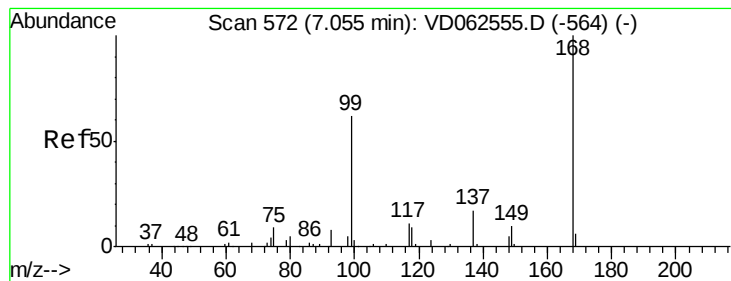
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	214472	18.925	ug/l	90
94) Hexachlorobutadiene	16.05	225	176481	21.230	ug/l	99
95) Naphthalene	16.13	128	292889	18.308	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	165561	19.375	ug/l	96

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.00 min

Lab File: VD062554.D

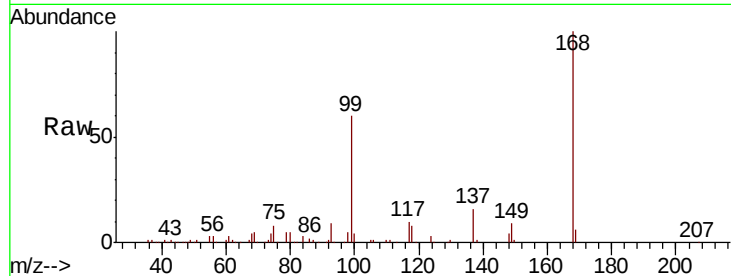
Acq: 30 May 2019 15:27

Tot Ion:168 Resp: 889452

Ion Ratio Lower Upper

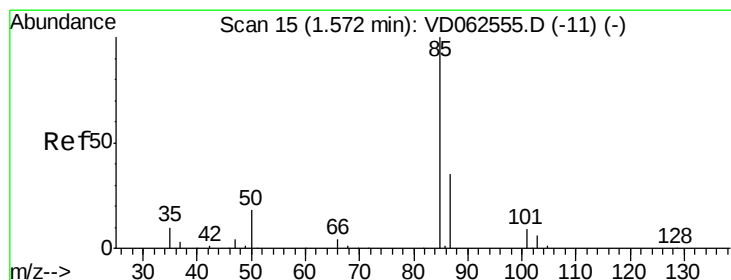
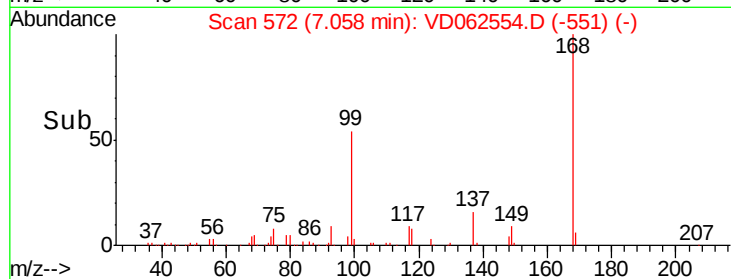
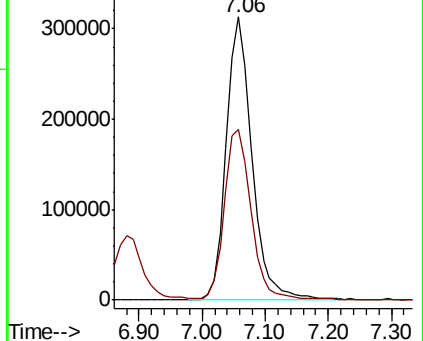
168 100

99 60.3 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 20.416 ug/l

RT: 1.57 min Scan# 15

Delta R.T. 0.00 min

Lab File: VD062554.D

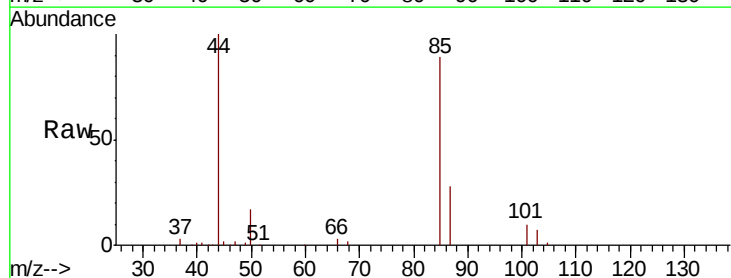
Acq: 30 May 2019 15:27

Tgt Ion: 85 Resp: 216358

Ion Ratio Lower Upper

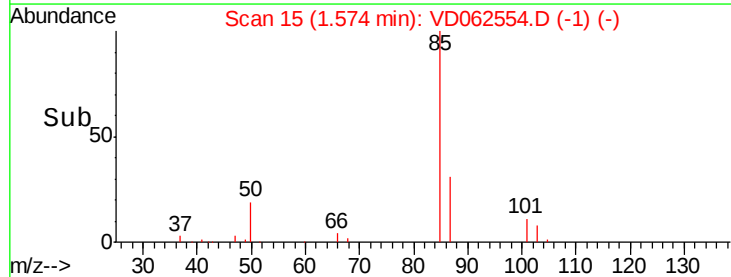
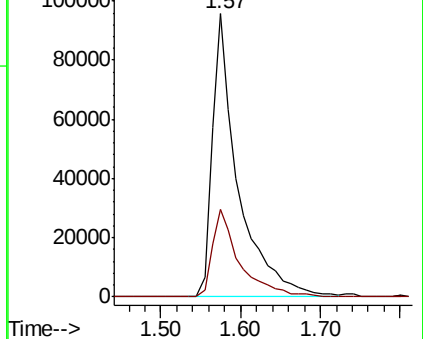
85 100

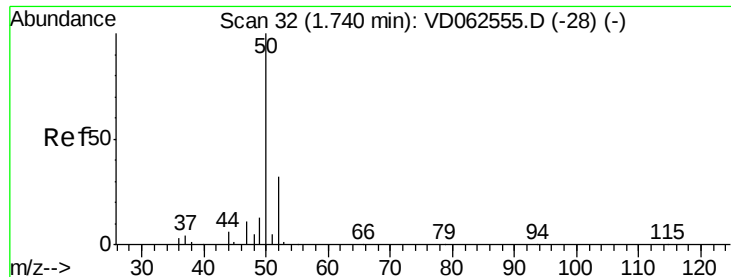
87 31.2 17.5 52.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 18.310 ug/l

RT: 1.74 min Scan# 32

Delta R.T. 0.00 min

Lab File: VD062554.D

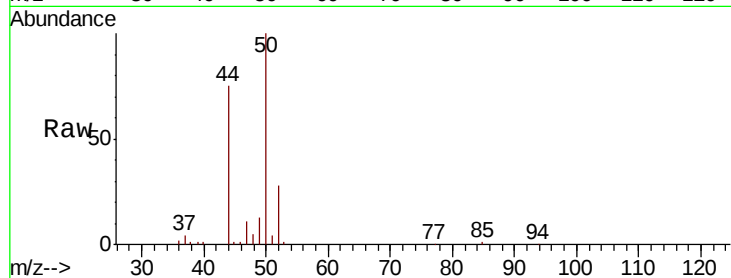
Acq: 30 May 2019 15:27

Tot Ion: 50 Resp: 221284

Ion Ratio Lower Upper

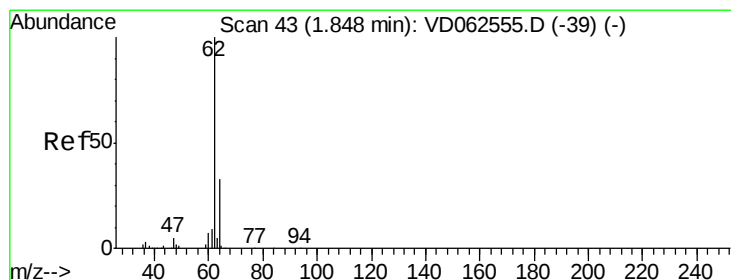
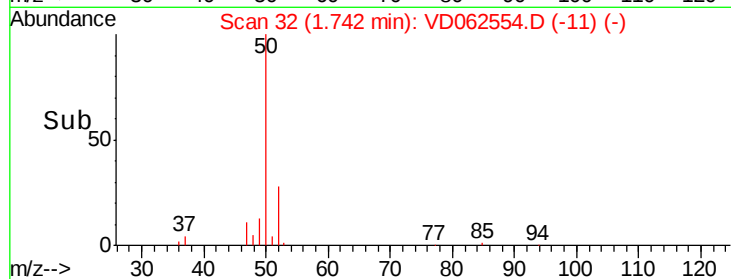
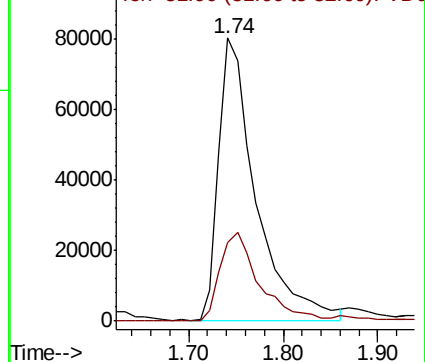
50 100

52 28.0 25.4 38.2



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 19.423 ug/l

RT: 1.85 min Scan# 43

Delta R.T. 0.00 min

Lab File: VD062554.D

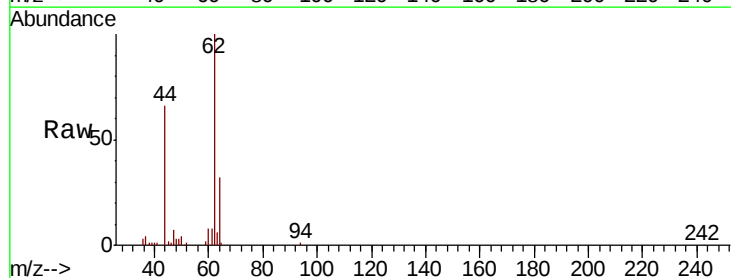
Acq: 30 May 2019 15:27

Tgt Ion: 62 Resp: 158206

Ion Ratio Lower Upper

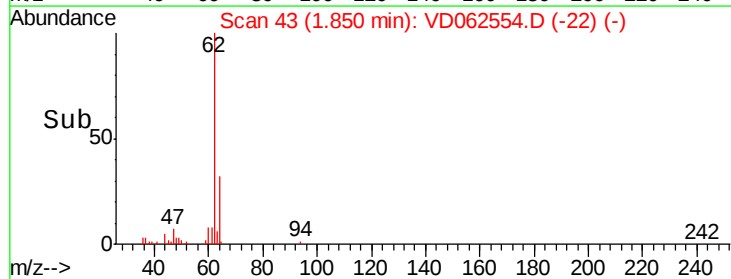
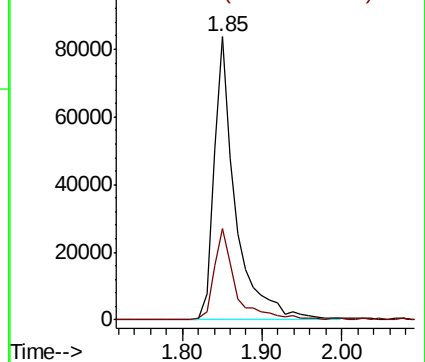
62 100

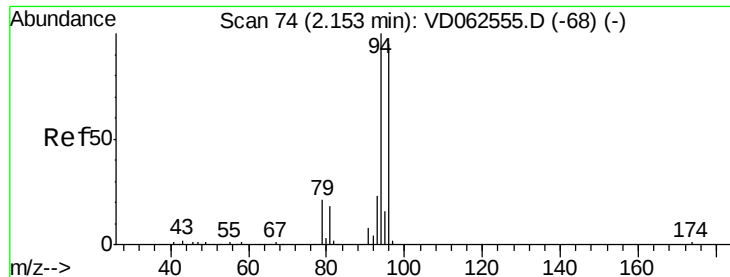
64 32.4 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 20.624 ug/l

RT: 2.15 min Scan# 73

Delta R.T. -0.01 min

Lab File: VD062554.D

Acq: 30 May 2019 15:27

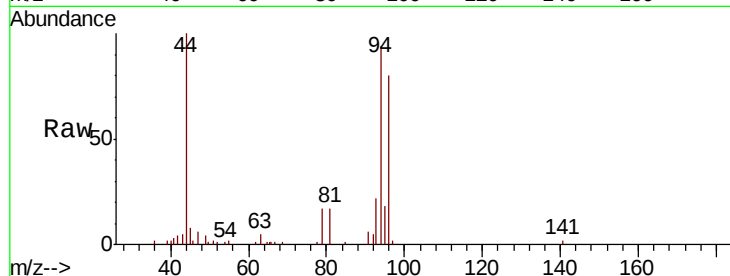
Tot Ion: 94 Resp: 51551

Ion Ratio Lower Upper

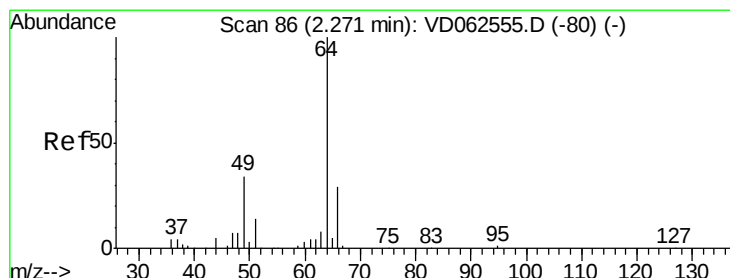
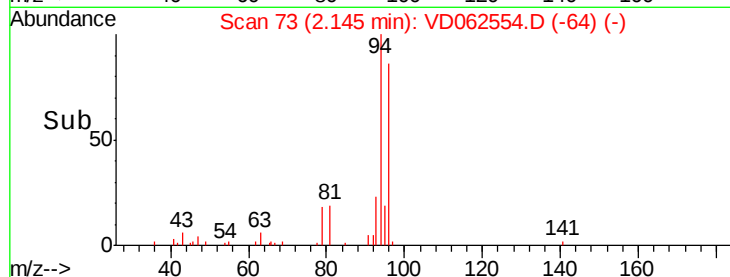
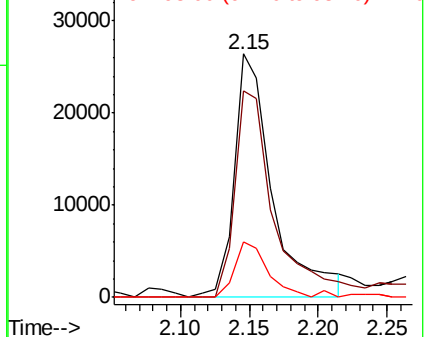
94 100

96 84.7 76.2 114.4

93 23.0 18.4 27.6



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: 17.377 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.01 min

Lab File: VD062554.D

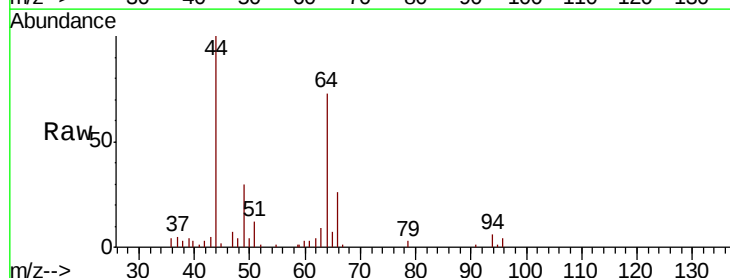
Acq: 30 May 2019 15:27

Tgt Ion: 64 Resp: 67493

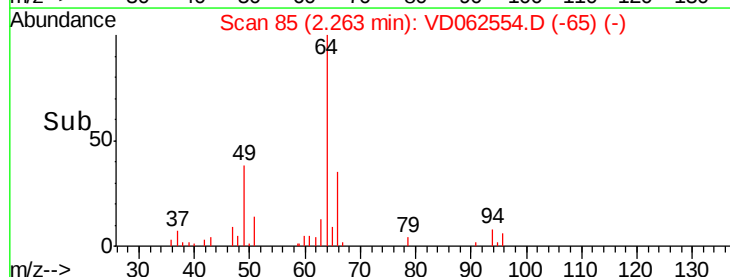
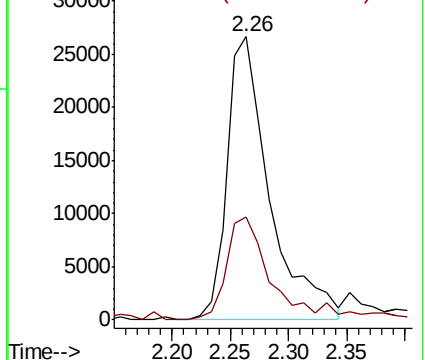
Ion Ratio Lower Upper

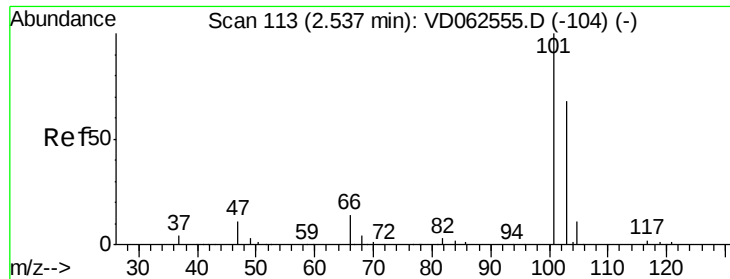
64 100

66 36.4 23.4 35.2#



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

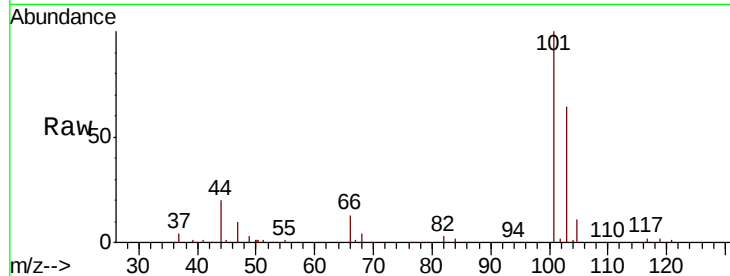




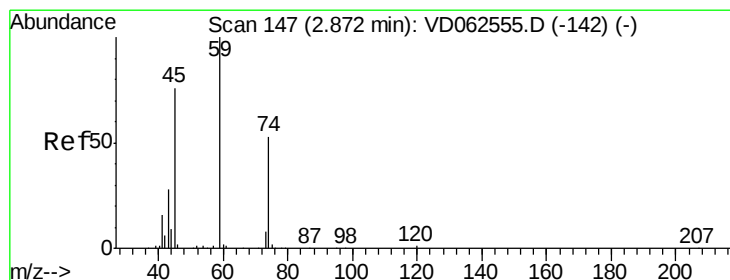
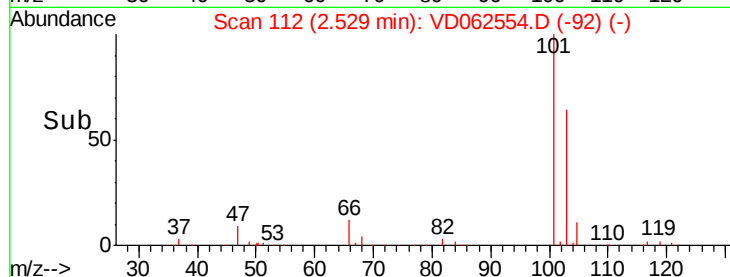
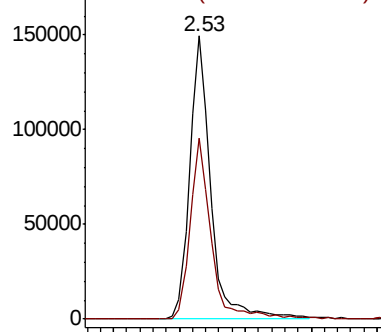
#7

Trichlorofluoromethane
Concen: 19.622 ug/l
RT: 2.53 min Scan# 112
Delta R.T. -0.01 min
Lab File: VD062554.D
Acq: 30 May 2019 15:27

Tot Ion:101 Resp: 333890
Ion Ratio Lower Upper
101 100
103 63.8 54.3 81.5



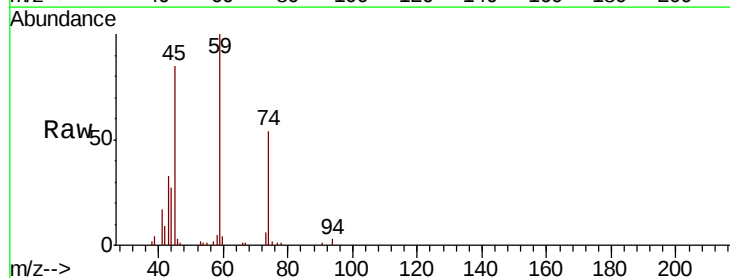
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



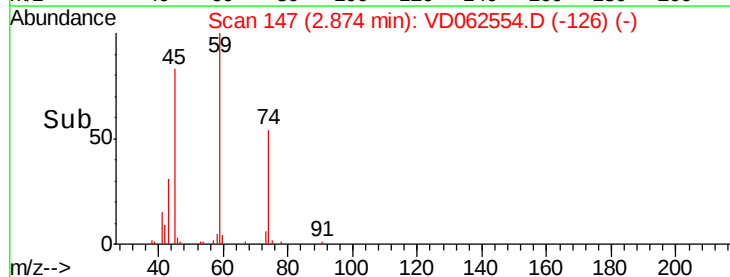
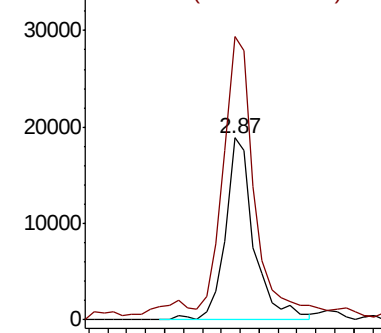
#8

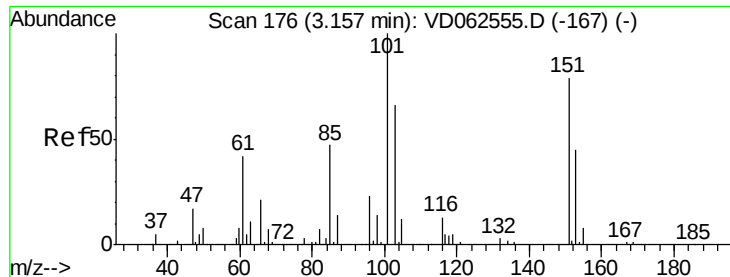
Diethyl Ether
Concen: 18.187 ug/l
RT: 2.87 min Scan# 147
Delta R.T. 0.00 min
Lab File: VD062554.D
Acq: 30 May 2019 15:27

Tgt Ion: 74 Resp: 39763
Ion Ratio Lower Upper
74 100
45 155.3 71.9 215.7



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: 19.118 ug/l

RT: 3.15 min Scan# 175

Delta R.T. -0.01 min

Lab File: VD062554.D

Acq: 30 May 2019 15:27

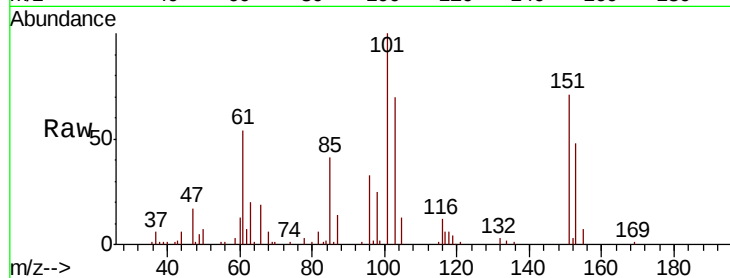
Tot Ion:101 Resp: 192435

Ion Ratio Lower Upper

101 100

85 41.0 37.6 56.4

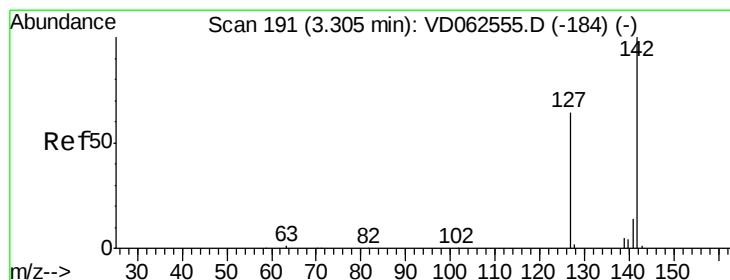
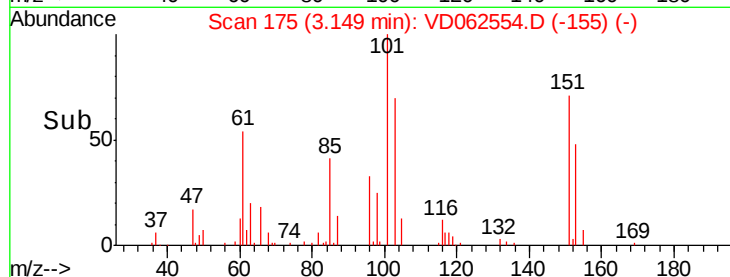
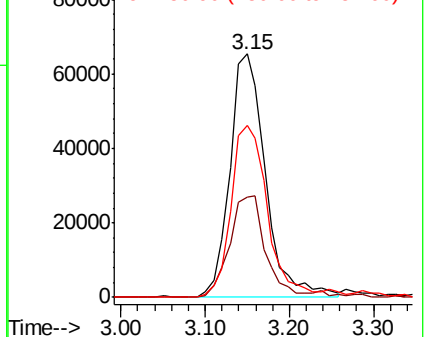
151 70.6 63.0 94.4



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: 23.958 ug/l

RT: 3.31 min Scan# 191

Delta R.T. 0.00 min

Lab File: VD062554.D

Acq: 30 May 2019 15:27

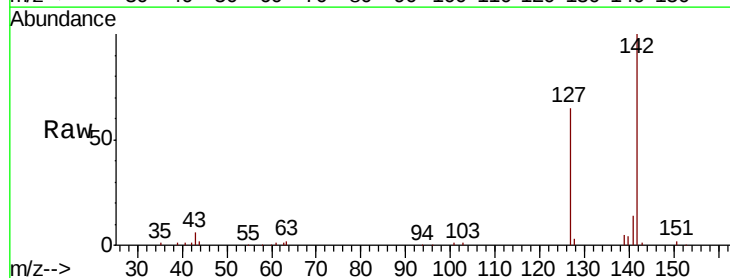
Tgt Ion:142 Resp: 263348

Ion Ratio Lower Upper

142 100

127 65.1 51.2 76.8

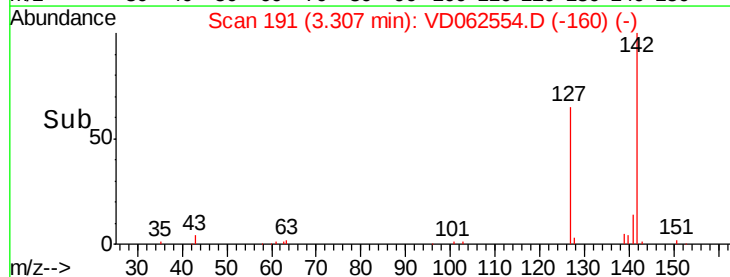
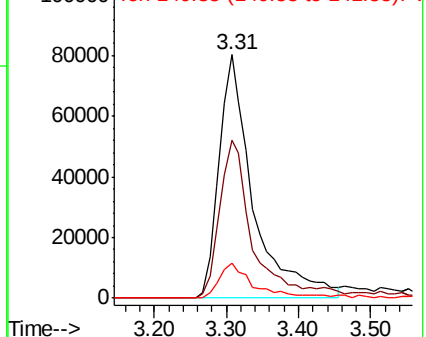
141 14.2 11.0 16.4

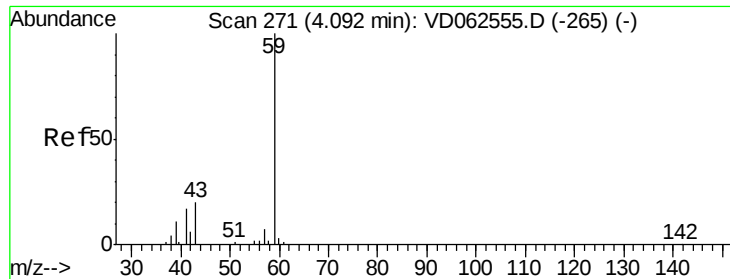


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

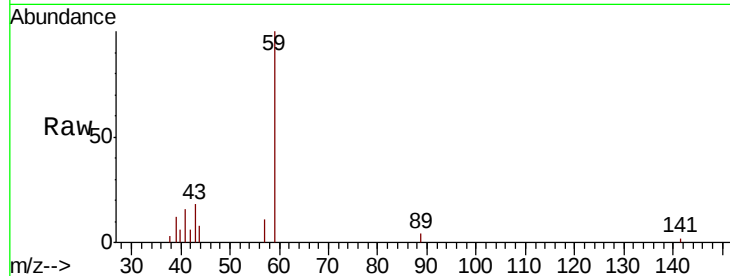
Ion 140.85 (140.55 to 141.55): V



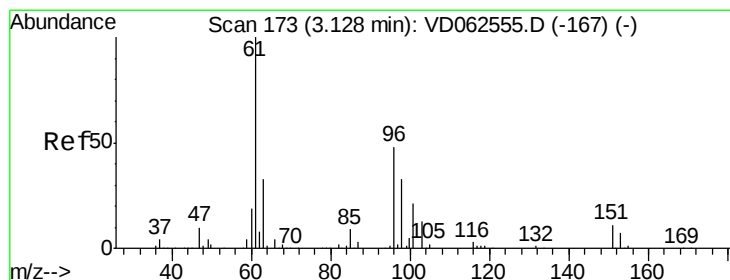
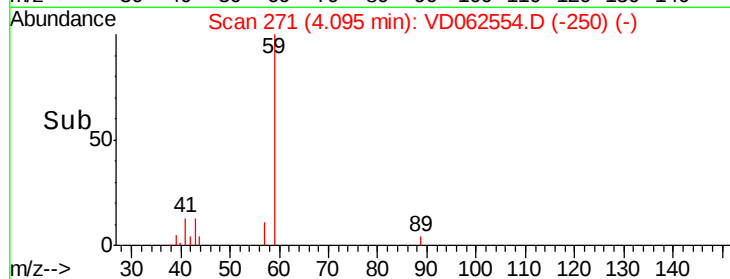
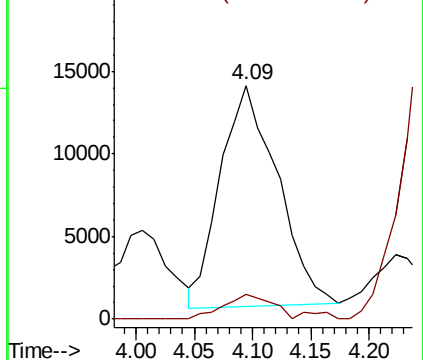


#11
Tert butyl alcohol
Concen: 94.626 ug/l
RT: 4.09 min Scan# 271
Delta R.T. 0.00 min
Lab File: VD062554.D
Acq: 30 May 2019 15:27

Tot Ion: 59 Resp: 45412
Ion Ratio Lower Upper
59 100
57 10.7 5.4 8.0#

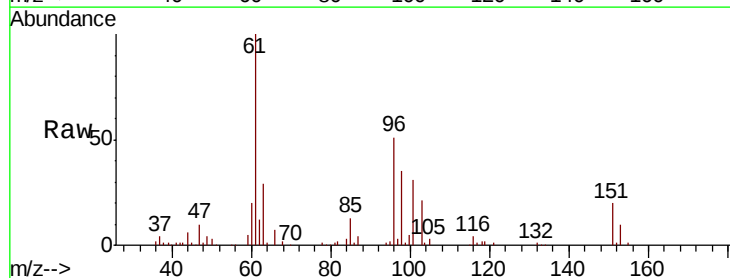


Abundance Ion 58.95 (58.65 to 59.65): VDC
Ion 56.95 (56.65 to 57.65): VDC

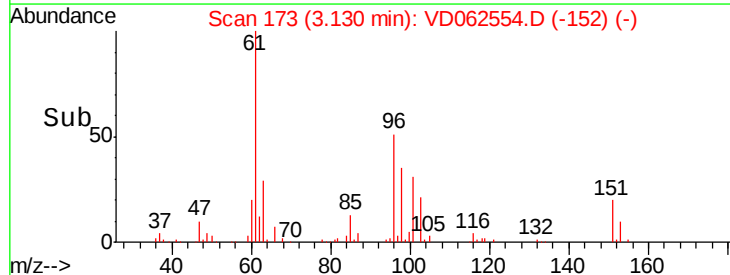
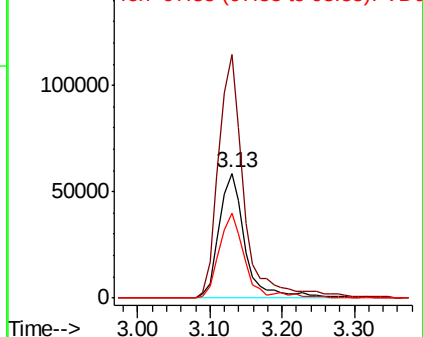


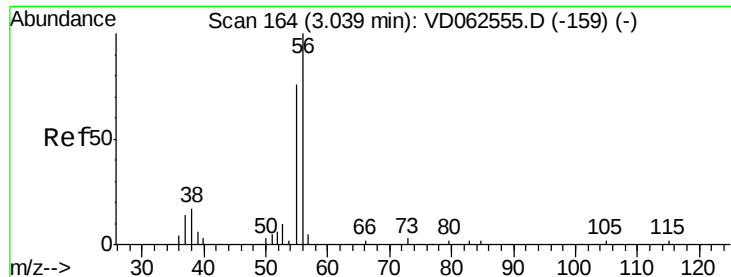
#12
1,1-Dichloroethene
Concen: 20.497 ug/l
RT: 3.13 min Scan# 173
Delta R.T. 0.00 min
Lab File: VD062554.D
Acq: 30 May 2019 15:27

Tgt Ion: 96 Resp: 146634
Ion Ratio Lower Upper
96 100
61 195.5 166.6 250.0
98 68.0 54.4 81.6



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





#13

Acrolein

Concen: 89.271 ug/l

RT: 3.04 min Scan# 164

Delta R.T. 0.00 min

Lab File: VD062554.D

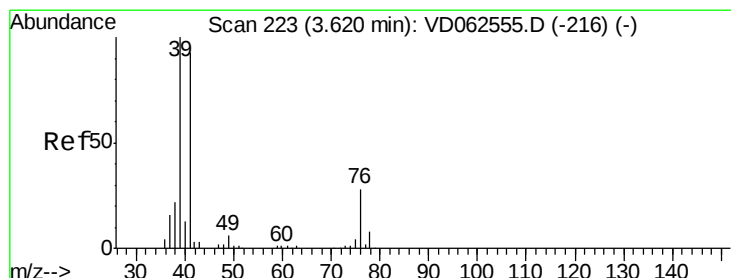
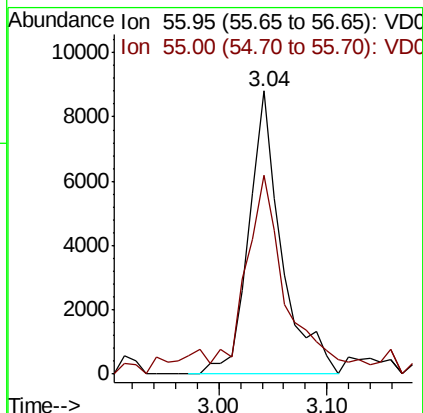
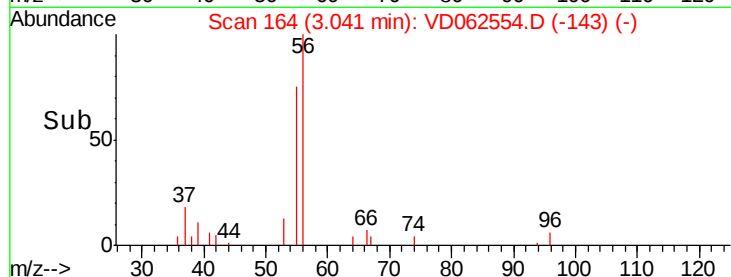
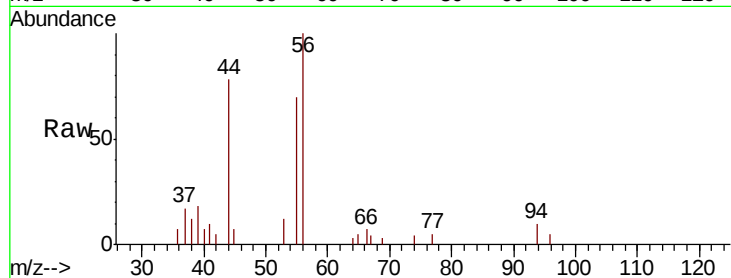
Acq: 30 May 2019 15:27

Tot Ion: 56 Resp: 18544

Ion Ratio Lower Upper

56 100

55 70.5 62.6 93.8



#14

Allyl chloride

Concen: 18.473 ug/l

RT: 3.62 min Scan# 223

Delta R.T. 0.00 min

Lab File: VD062554.D

Acq: 30 May 2019 15:27

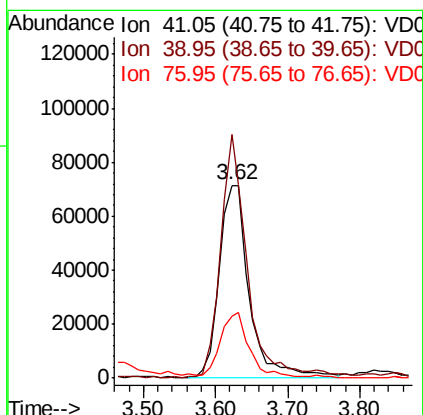
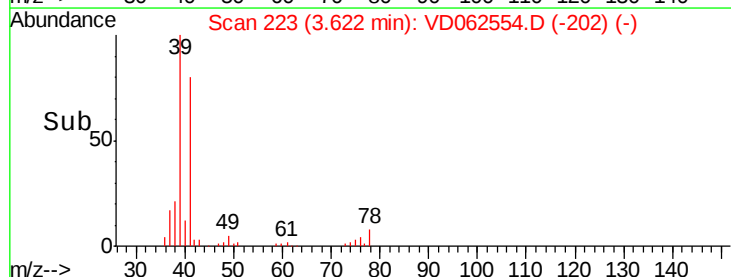
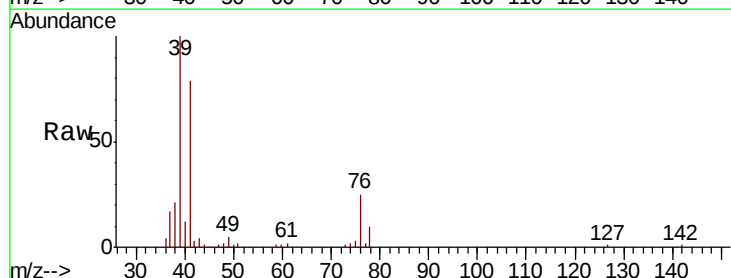
Tgt Ion: 41 Resp: 206906

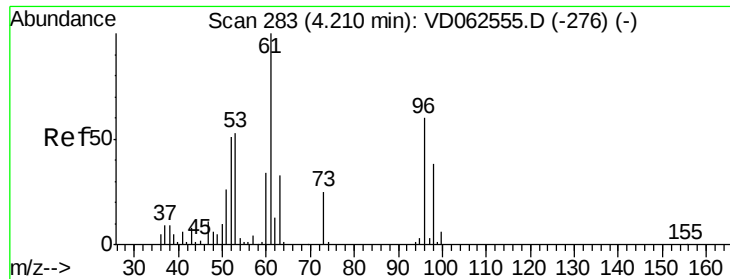
Ion Ratio Lower Upper

41 100

39 126.3 86.3 129.5

76 32.0 25.5 38.3





#15

Acrylonitrile

Concen: 98.642 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.01 min

Lab File: VD062554.D

Acq: 30 May 2019 15:27

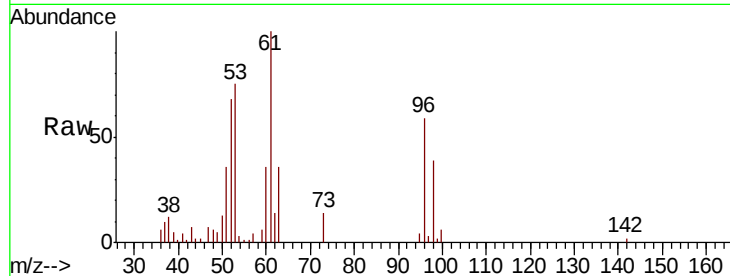
Tot Ion: 53 Resp: 106631

Ion Ratio Lower Upper

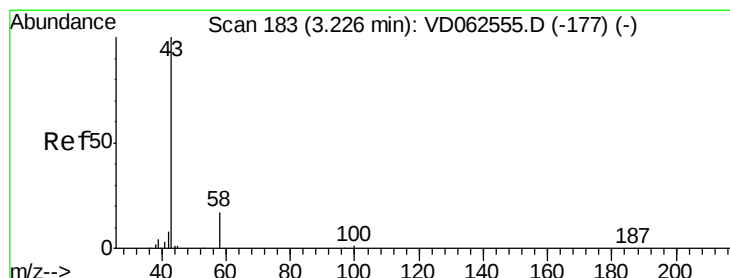
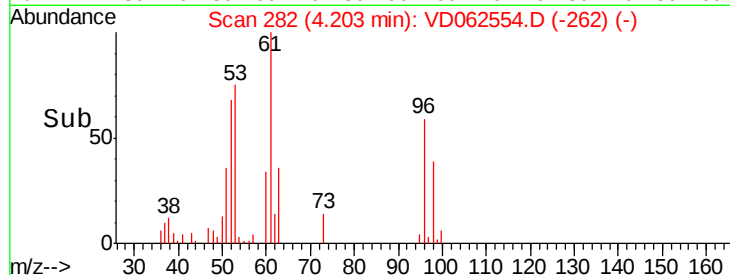
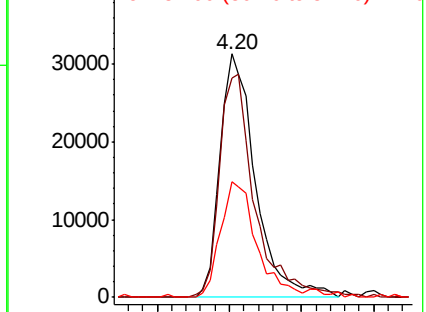
53 100

52 89.8 76.2 114.2

51 47.5 40.2 60.4



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: 86.140 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.00 min

Lab File: VD062554.D

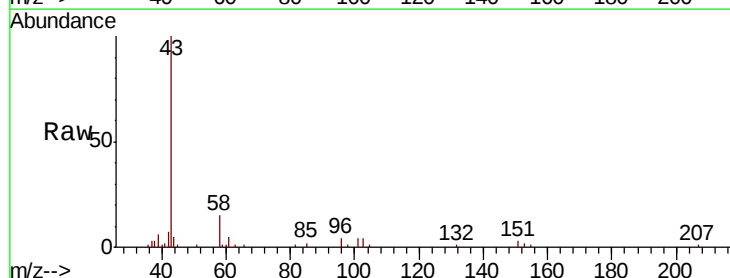
Acq: 30 May 2019 15:27

Tgt Ion: 43 Resp: 185461

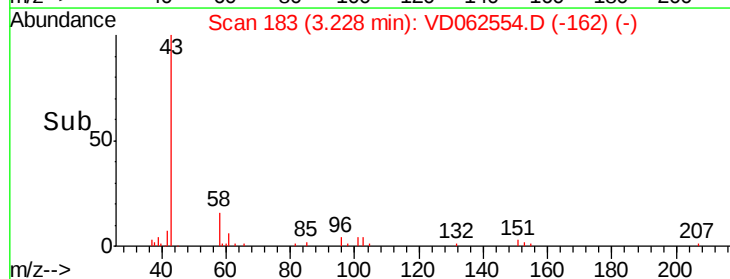
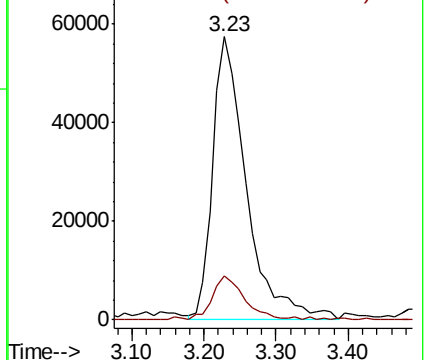
Ion Ratio Lower Upper

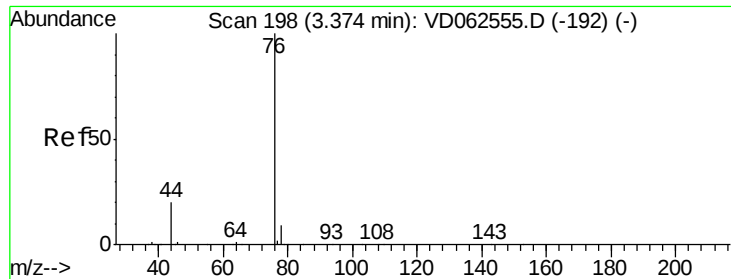
43 100

58 15.4 13.8 20.8



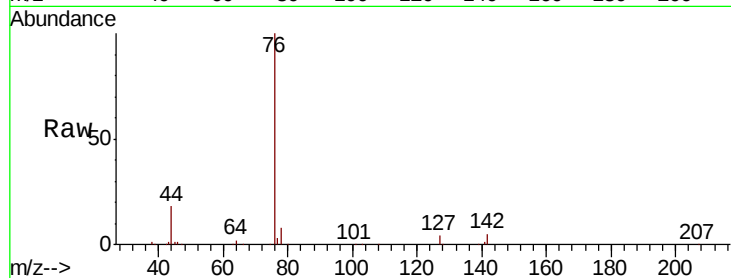
Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC



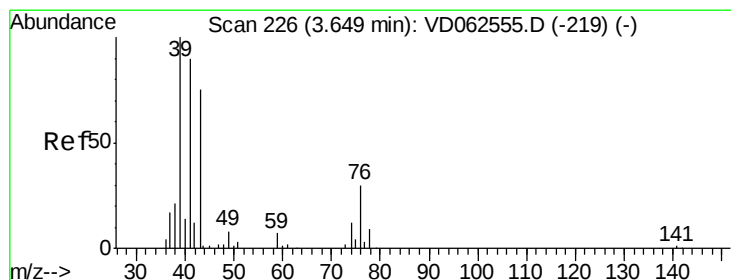
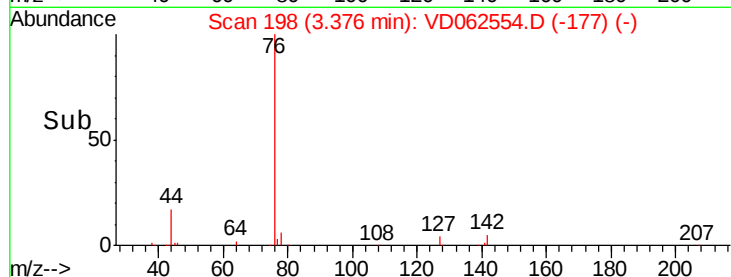
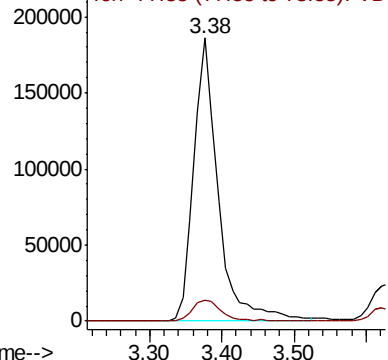


#17
Carbon Disulfide
Concen: 19.211 ug/l
RT: 3.38 min Scan# 198
Delta R.T. 0.00 min
Lab File: VD062554.D
Acq: 30 May 2019 15:27

Tot Ion: 76 Resp: 436737
Ion Ratio Lower Upper
76 100
78 7.6 7.4 11.2

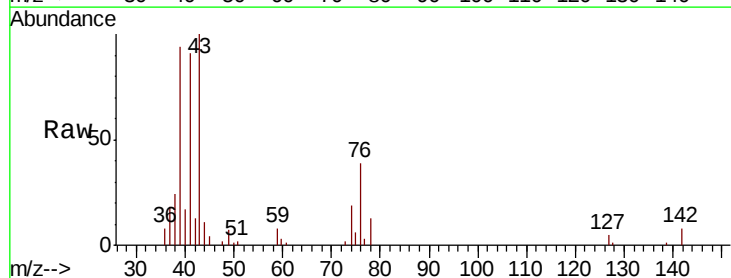


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

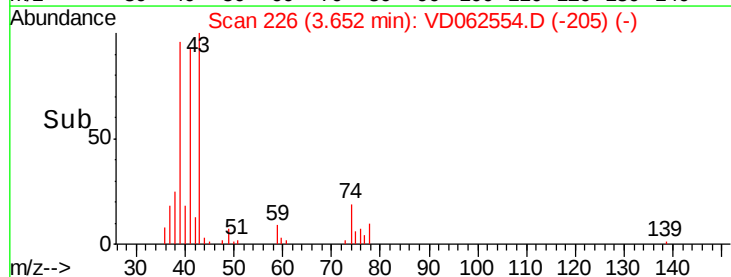
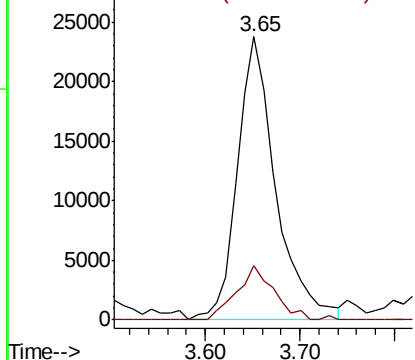


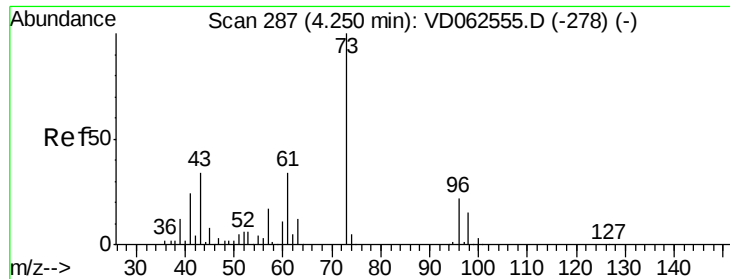
#18
Methyl Acetate
Concen: 19.071 ug/l
RT: 3.65 min Scan# 226
Delta R.T. 0.00 min
Lab File: VD062554.D
Acq: 30 May 2019 15:27

Tgt Ion: 43 Resp: 66793
Ion Ratio Lower Upper
43 100
74 19.0 12.5 18.7#



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

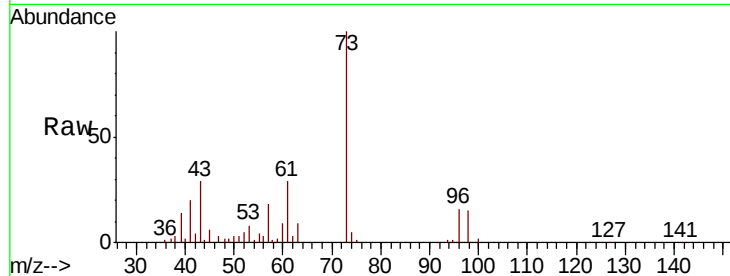




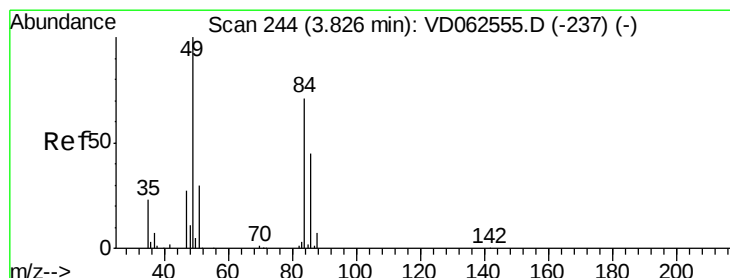
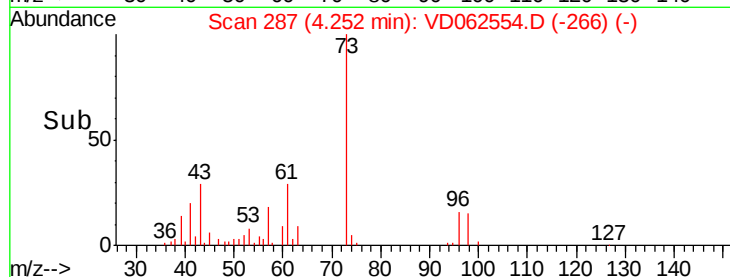
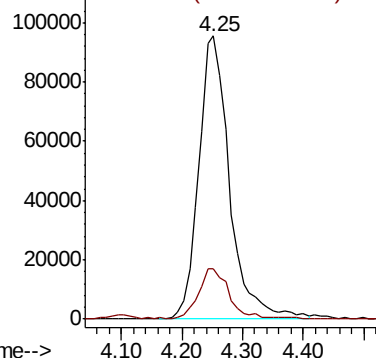
#19

Methyl tert-butyl Ether
 Concen: 19.357 ug/l
 RT: 4.25 min Scan# 287
 Delta R.T. 0.00 min
 Lab File: VD062554.D
 Acq: 30 May 2019 15:27

Tot Ion: 73 Resp: 337299
 Ion Ratio Lower Upper
 73 100
 57 17.6 13.8 20.8



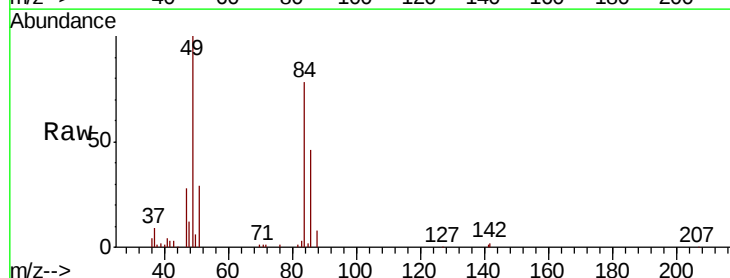
Abundance Ion 73.00 (72.70 to 73.70): VDC
 Ion 57.05 (56.75 to 57.75): VDC



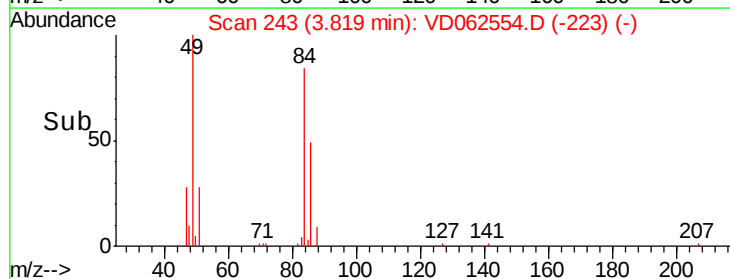
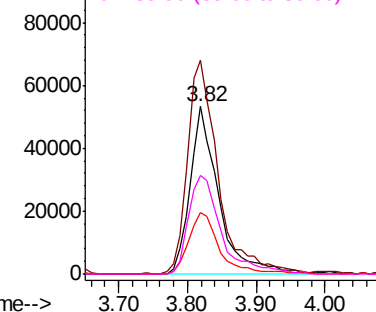
#20

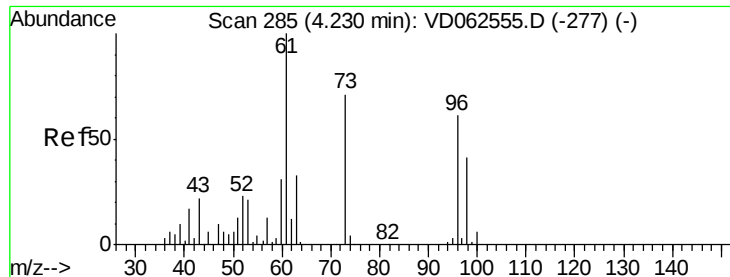
Methylene Chloride
 Concen: 20.353 ug/l
 RT: 3.82 min Scan# 243
 Delta R.T. -0.01 min
 Lab File: VD062554.D
 Acq: 30 May 2019 15:27

Tgt Ion: 84 Resp: 153578
 Ion Ratio Lower Upper
 84 100
 49 127.4 112.3 168.5
 51 36.5 33.6 50.4
 86 58.6 50.4 75.6



Abundance Ion 83.95 (83.65 to 84.65): VDC
 Ion 48.90 (48.60 to 49.60): VDC
 Ion 50.90 (50.60 to 51.60): VDC
 Ion 85.90 (85.60 to 86.60): VDC





#21

trans-1,2-Dichloroethene

Concen: 19.105 ug/l

RT: 4.22 min Scan# 284

Delta R.T. -0.01 min

Lab File: VD062554.D

Acq: 30 May 2019 15:27

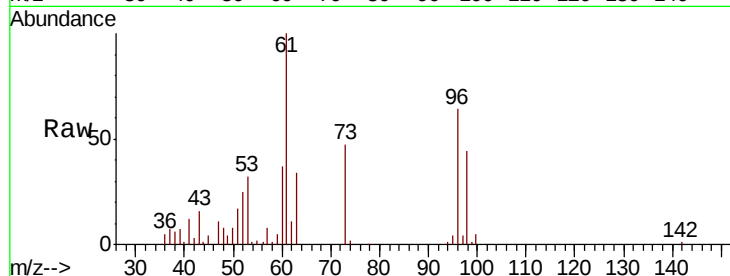
Tot Ion: 96 Resp: 154959

Ion Ratio Lower Upper

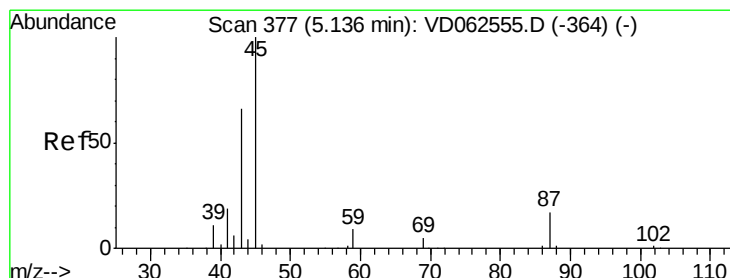
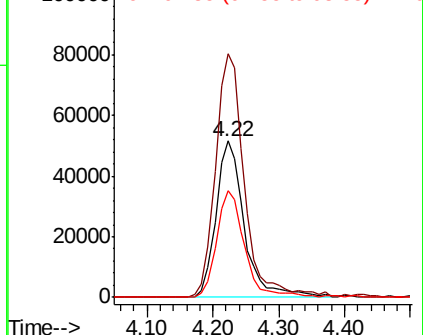
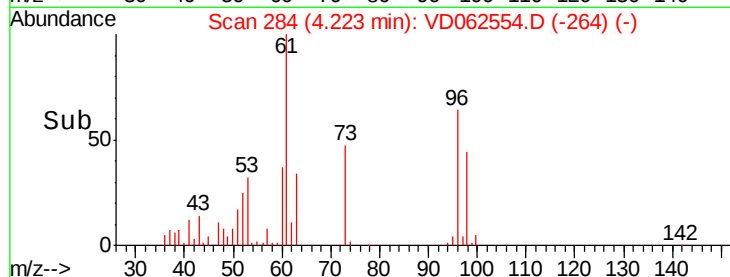
96 100

61 155.7 131.1 196.7

98 68.3 54.2 81.4



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



#22

Diisopropyl ether

Concen: 19.533 ug/l

RT: 5.14 min Scan# 377

Delta R.T. 0.00 min

Lab File: VD062554.D

Acq: 30 May 2019 15:27

Tgt Ion: 45 Resp: 440396

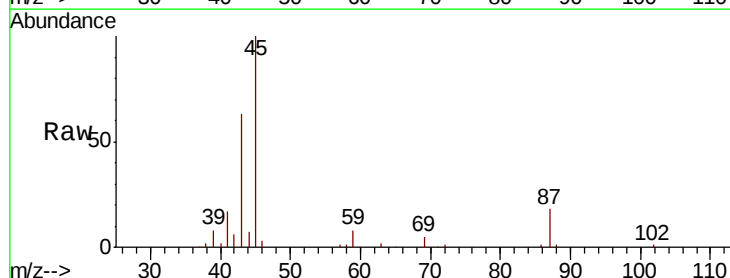
Ion Ratio Lower Upper

45 100

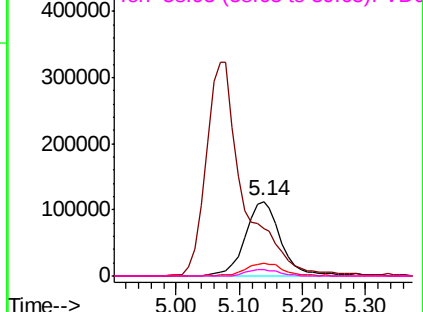
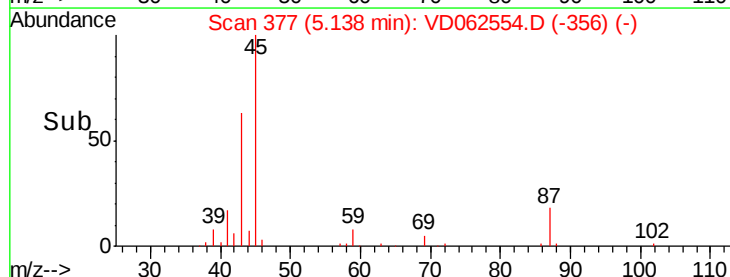
43 63.3 53.6 80.4

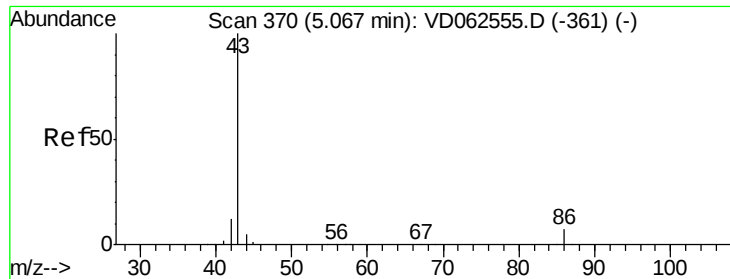
87 17.5 14.2 21.4

59 8.2 7.3 10.9



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: 96.472 ug/l

RT: 5.08 min Scan# 371

Delta R.T. 0.01 min

Lab File: VD062554.D

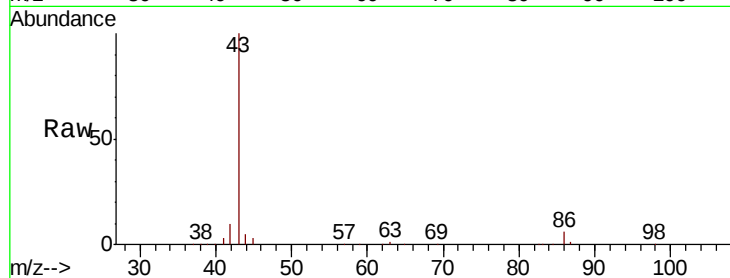
Acq: 30 May 2019 15:27

Tot Ion: 43 Resp: 1323753

Ion Ratio Lower Upper

43 100

86 6.0 5.5 8.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.08

300000

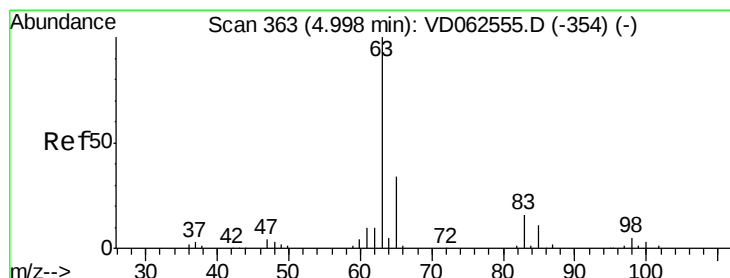
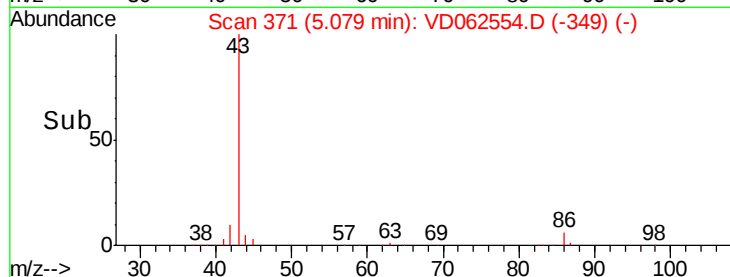
200000

100000

0

Time-->

4.90 5.00 5.10 5.20 5.30



#24

1,1-Dichloroethane

Concen: 19.537 ug/l

RT: 4.99 min Scan# 362

Delta R.T. -0.01 min

Lab File: VD062554.D

Acq: 30 May 2019 15:27

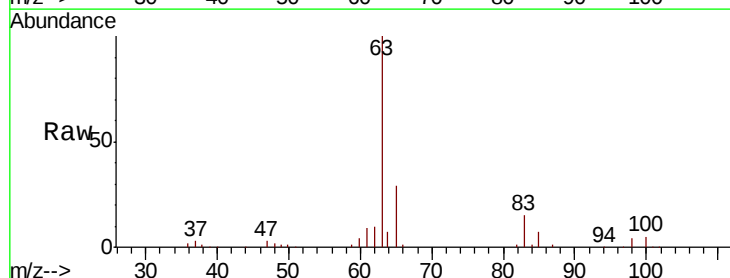
Tgt Ion: 63 Resp: 287769

Ion Ratio Lower Upper

63 100

98 3.7 2.5 7.5

100 4.7 1.6 4.7#



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

4.99

100000

80000

60000

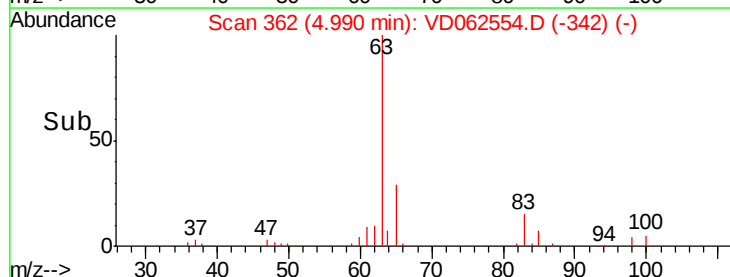
40000

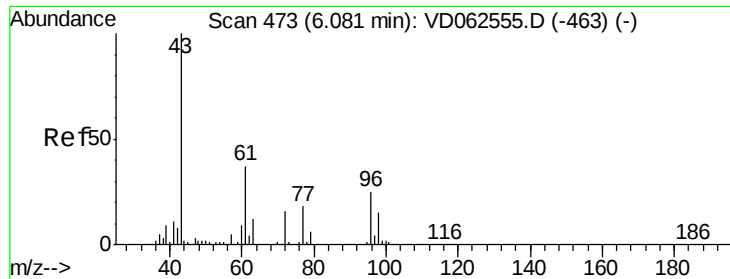
20000

0

Time-->

4.80 4.90 5.00 5.10 5.20





#25

2-Butanone

Concen: 90.248 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.00 min

Lab File: VD062554.D

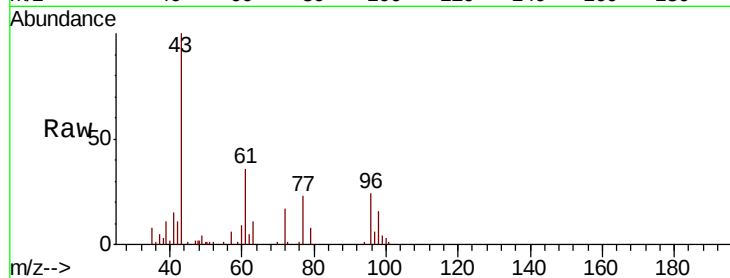
Acq: 30 May 2019 15:27

Tot Ion: 43 Resp: 178565

Ion Ratio Lower Upper

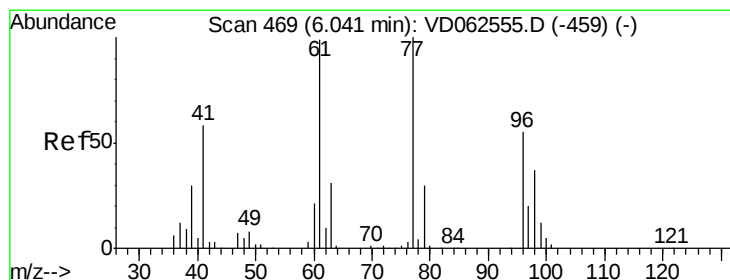
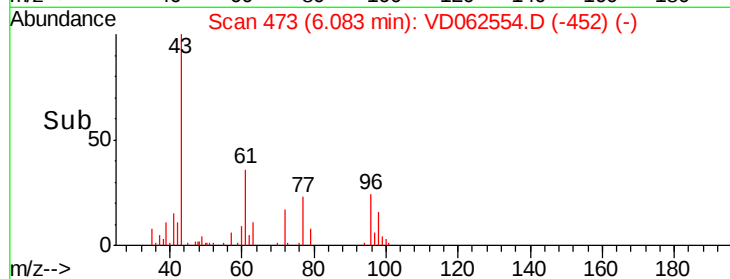
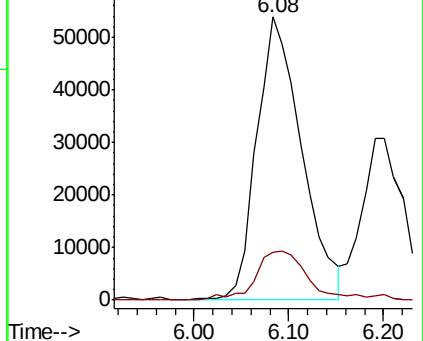
43 100

72 16.9 12.7 19.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 18.616 ug/l

RT: 6.03 min Scan# 468

Delta R.T. -0.01 min

Lab File: VD062554.D

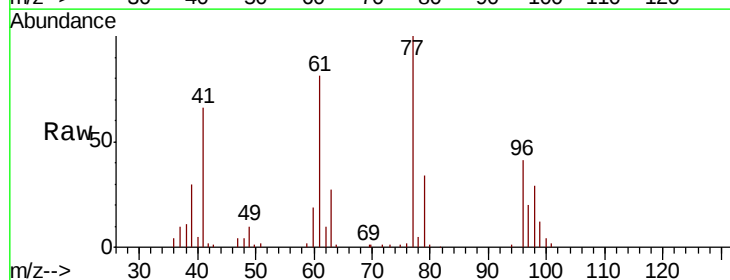
Acq: 30 May 2019 15:27

Tgt Ion: 77 Resp: 297723

Ion Ratio Lower Upper

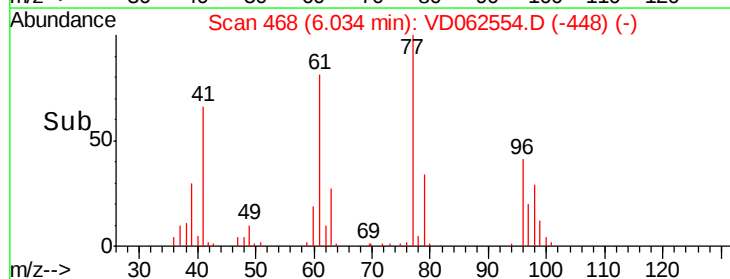
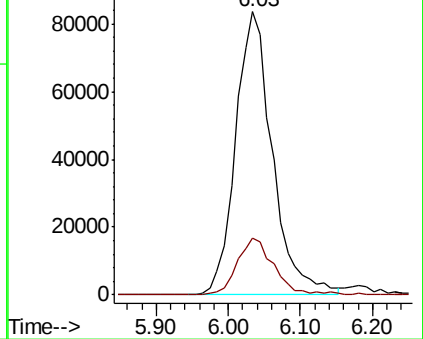
77 100

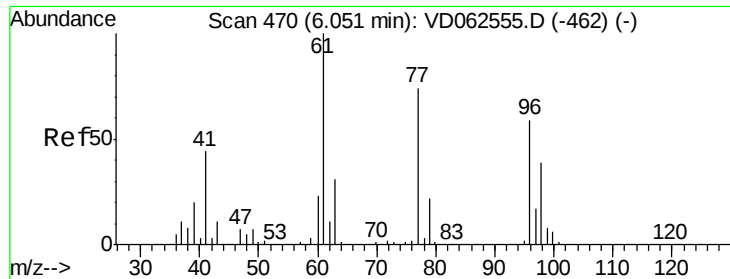
97 20.1 9.8 29.3



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

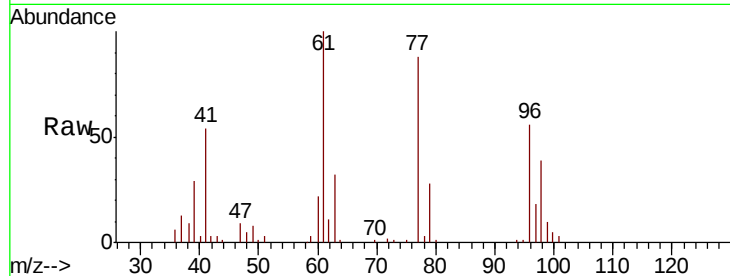




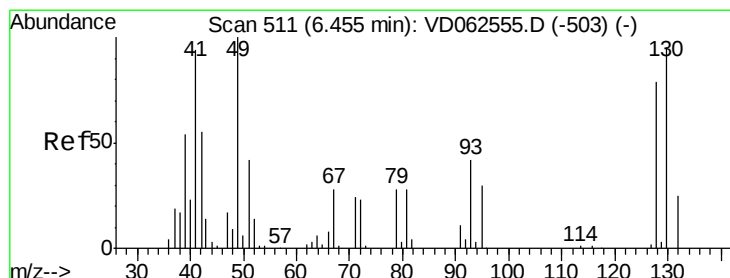
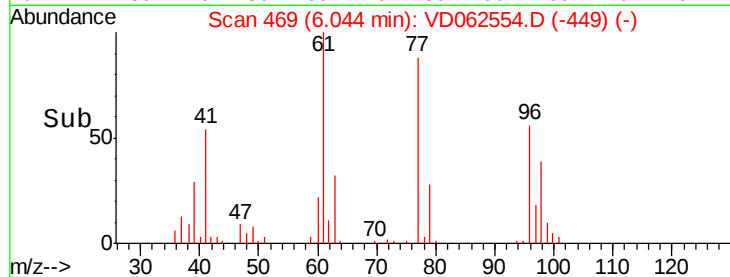
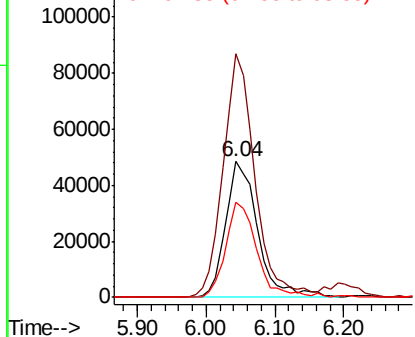
#27

cis-1,2-Dichloroethene
Concen: 18.781 ug/l
RT: 6.04 min Scan# 469
Delta R.T. -0.01 min
Lab File: VD062554.D
Acq: 30 May 2019 15:27

Tot Ion	96	Resp	156911
Ion	Ratio	Lower	Upper
96	100		
61	179.3	0.0	342.4
98	69.9	0.0	134.6



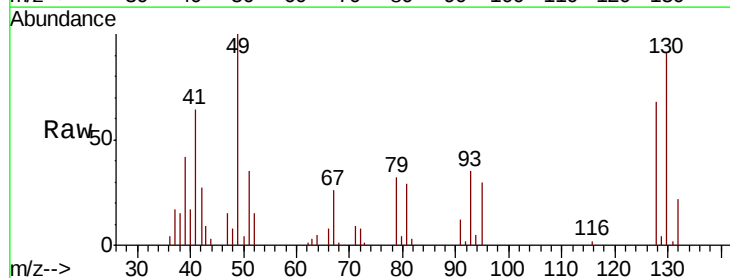
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



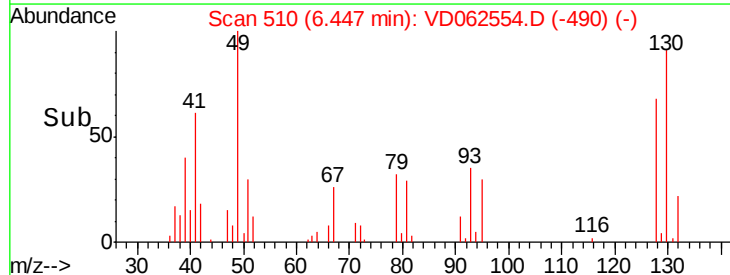
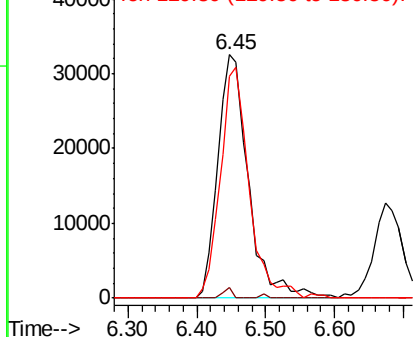
#28

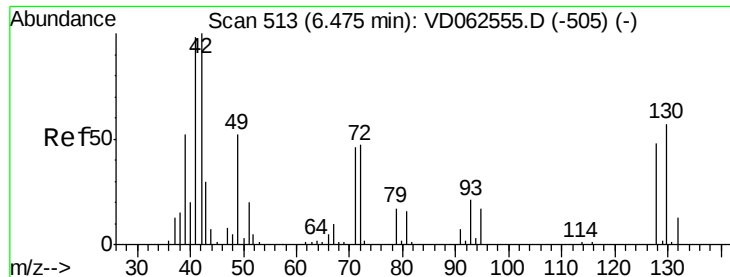
Bromochloromethane
Concen: 20.485 ug/l
RT: 6.45 min Scan# 510
Delta R.T. -0.01 min
Lab File: VD062554.D
Acq: 30 May 2019 15:27

Tgt Ion	49	Resp	100076
Ion	Ratio	Lower	Upper
49	100		
129	4.2	0.0	5.6
130	91.2	75.8	113.8



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





#29

Tetrahydrofuran

Concen: 93.806 ug/l

RT: 6.48 min Scan# 513

Delta R.T. 0.00 min

Lab File: VD062554.D

Acq: 30 May 2019 15:27

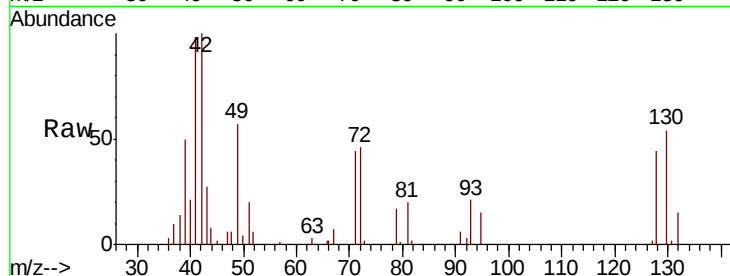
Tot Ion: 42 Resp: 85332

Ion Ratio Lower Upper

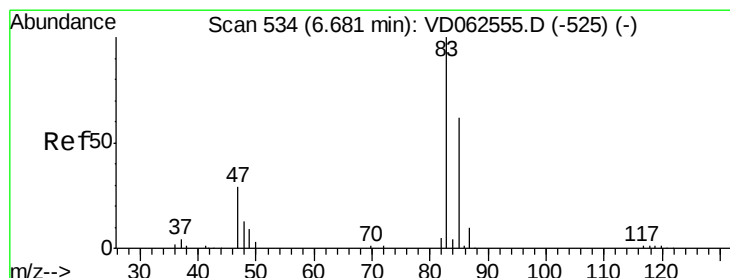
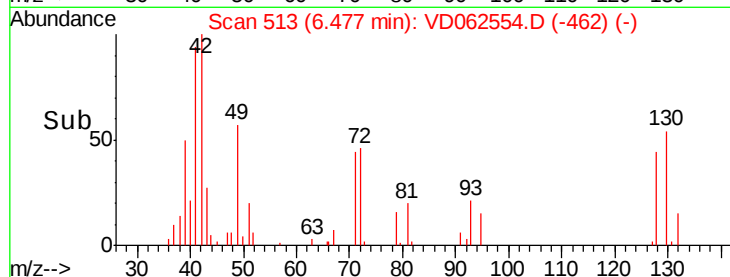
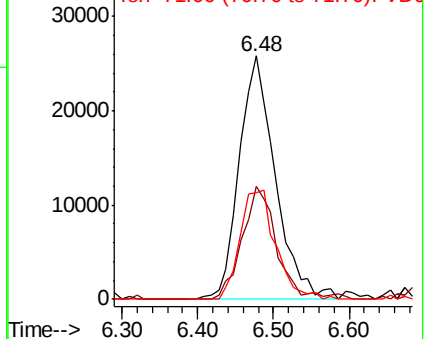
42 100

72 44.7 34.5 51.7

71 44.8 33.0 49.6



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: 19.403 ug/l

RT: 6.68 min Scan# 534

Delta R.T. 0.00 min

Lab File: VD062554.D

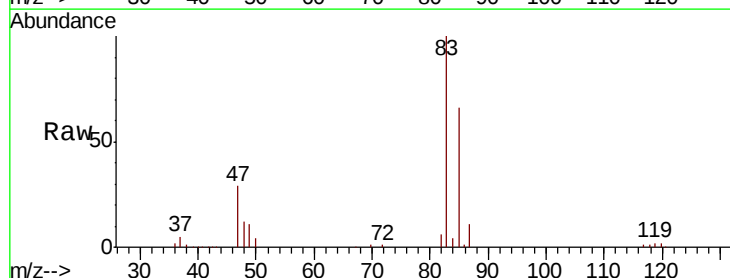
Acq: 30 May 2019 15:27

Tgt Ion: 83 Resp: 343901

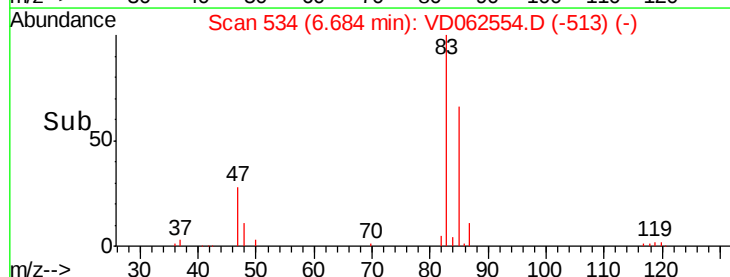
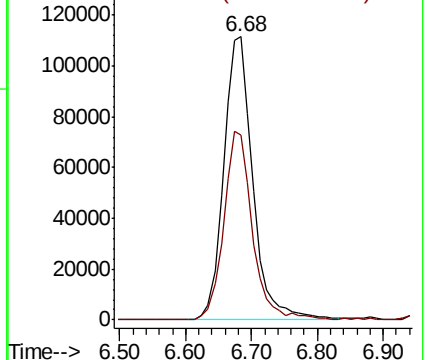
Ion Ratio Lower Upper

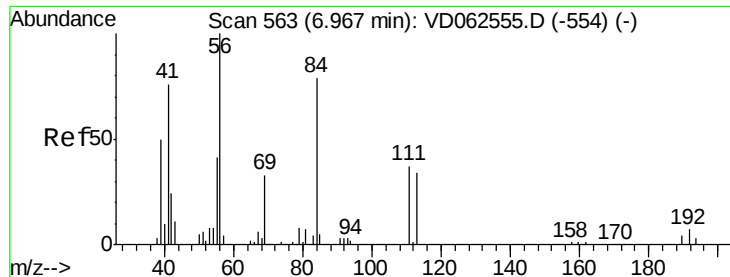
83 100

85 65.5 49.4 74.0



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





#31

Cvclohexane

Concen: 18.762 ug/l

RT: 6.97 min Scan# 563

Delta R.T. 0.00 min

Lab File: VD062554.D

Acq: 30 May 2019 15:27

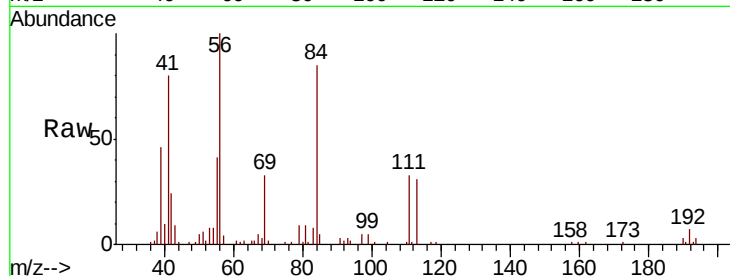
Tot Ion: 56 Resp: 183084

Ion Ratio Lower Upper

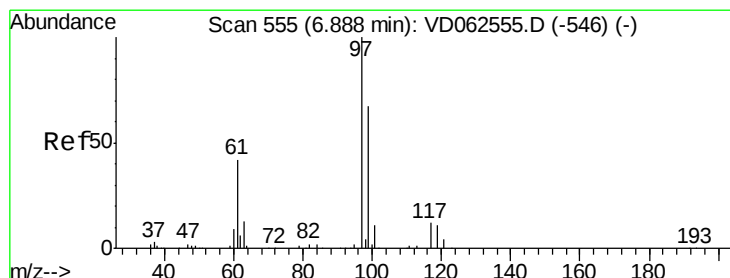
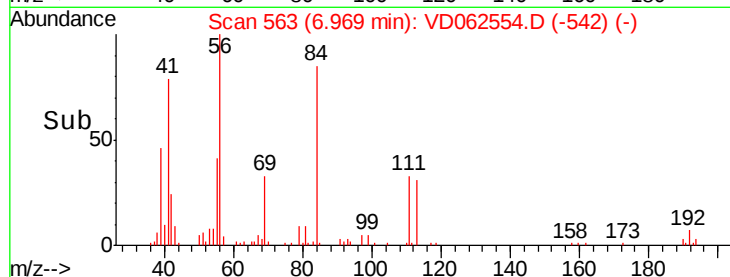
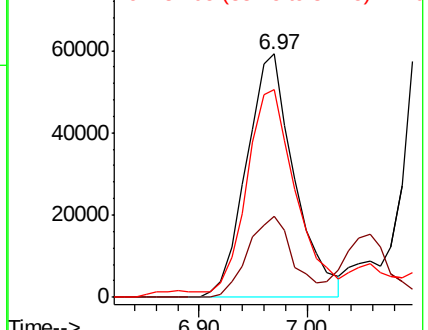
56 100

69 33.0 26.2 39.2

84 85.1 65.2 97.8



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: 19.817 ug/l

RT: 6.88 min Scan# 554

Delta R.T. -0.01 min

Lab File: VD062554.D

Acq: 30 May 2019 15:27

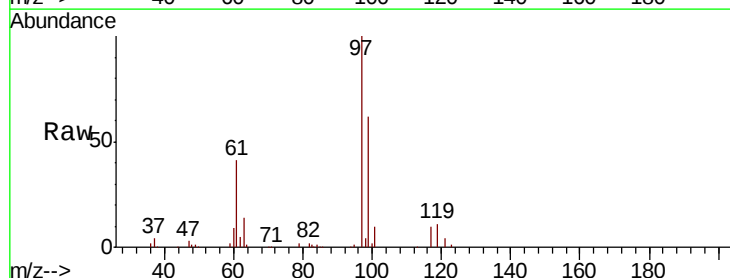
Tgt Ion: 97 Resp: 358674

Ion Ratio Lower Upper

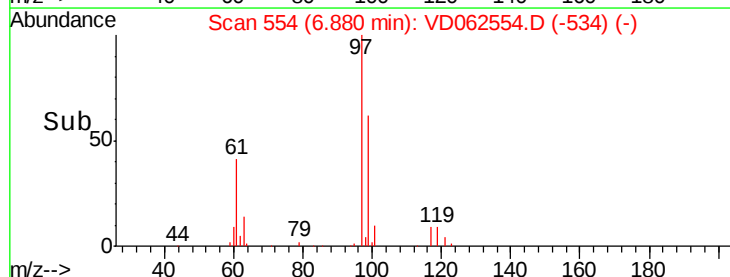
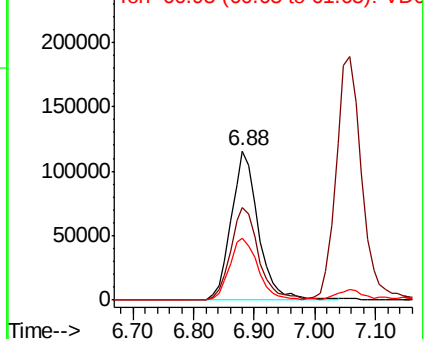
97 100

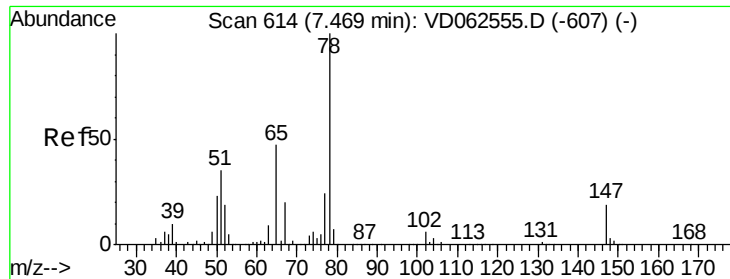
99 62.0 53.6 80.4

61 41.4 33.9 50.9



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: 18.639 ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.00 min

Lab File: VD062554.D

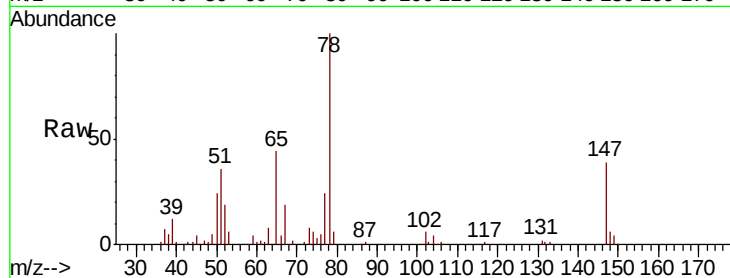
Acq: 30 May 2019 15:27

Tot Ion: 65 Resp: 194573

Ion Ratio Lower Upper

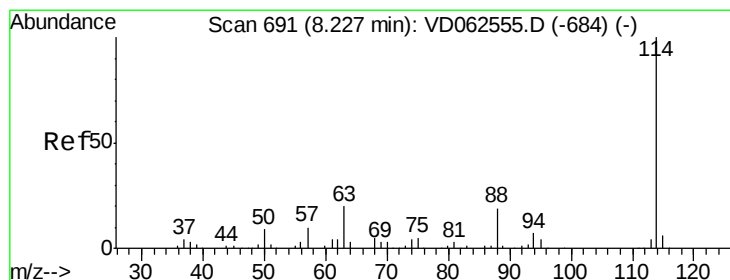
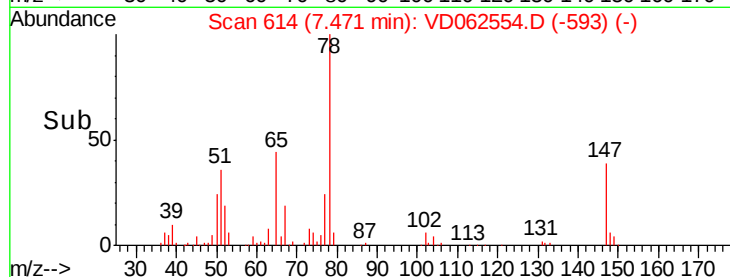
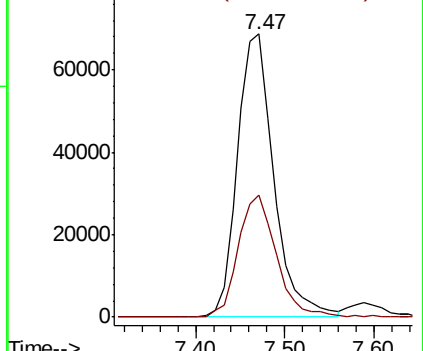
65 100

67 43.3 0.0 83.6



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: VD062554.D

Acq: 30 May 2019 15:27

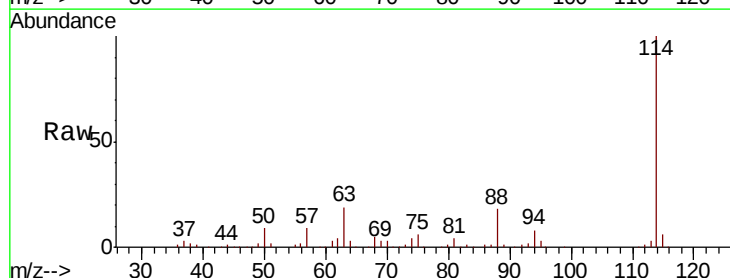
Tgt Ion: 114 Resp: 1212266

Ion Ratio Lower Upper

114 100

63 19.1 0.0 40.6

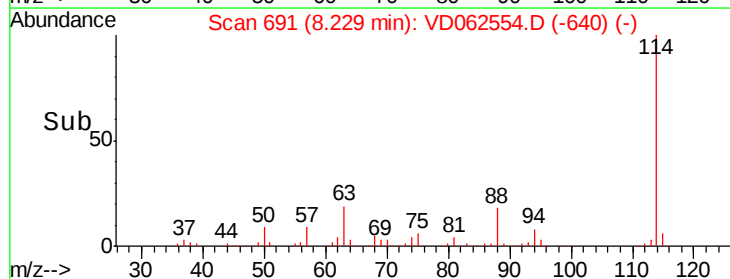
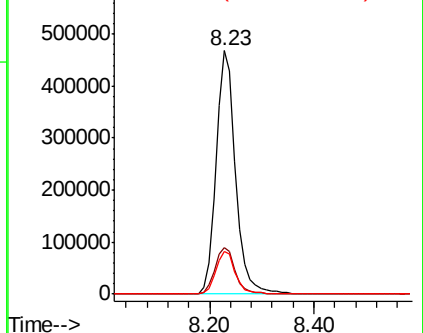
88 17.6 0.0 37.6

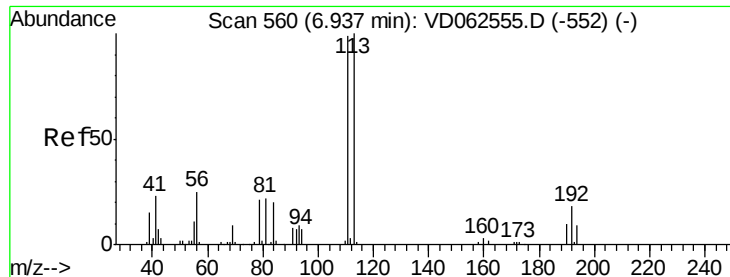


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 18.488 ug/l

RT: 6.94 min Scan# 560

Delta R.T. 0.00 min

Lab File: VD062554.D

Acq: 30 May 2019 15:27

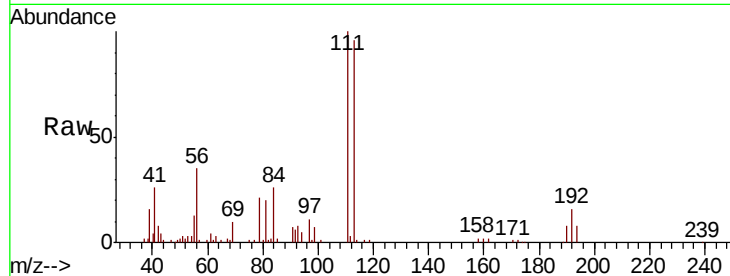
Tot Ion:113 Resp: 207117

Ion Ratio Lower Upper

113 100

111 104.5 78.8 118.2

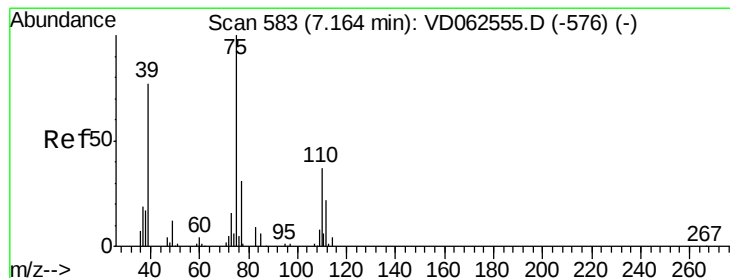
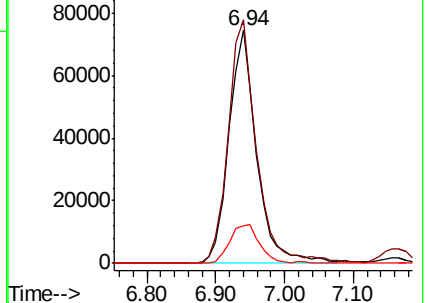
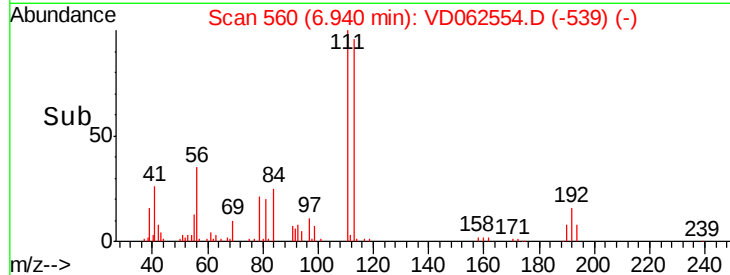
192 16.4 14.6 22.0



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: 18.606 ug/l

RT: 7.16 min Scan# 582

Delta R.T. -0.01 min

Lab File: VD062554.D

Acq: 30 May 2019 15:27

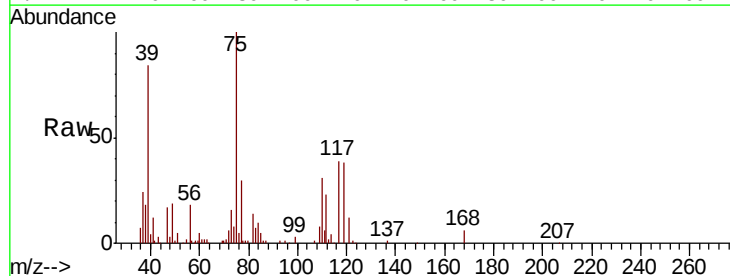
Tgt Ion: 75 Resp: 228758

Ion Ratio Lower Upper

75 100

110 31.3 18.3 54.8

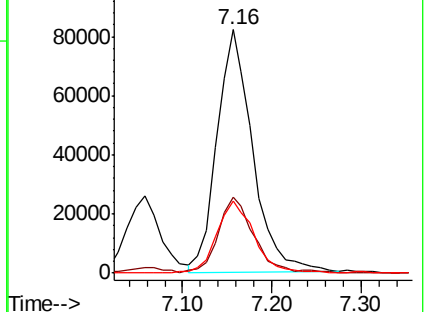
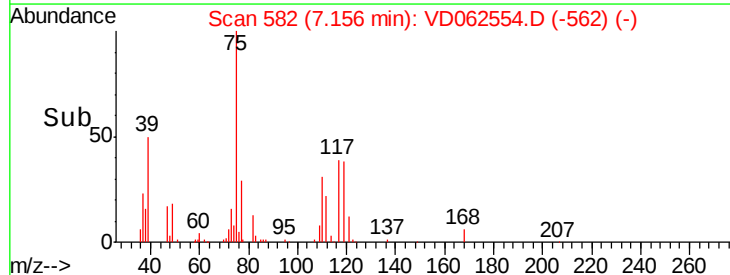
77 29.5 24.4 36.6

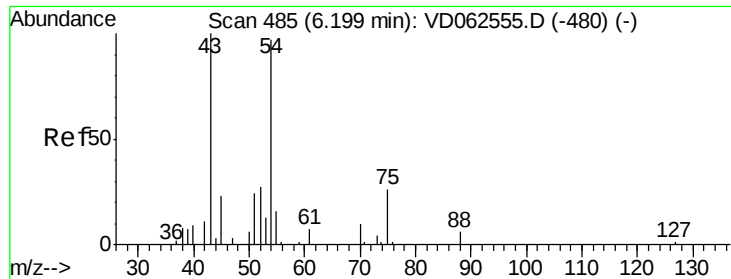


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

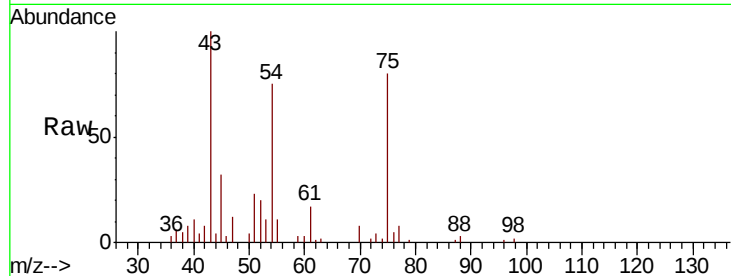
Ion 76.95 (76.65 to 77.65): V



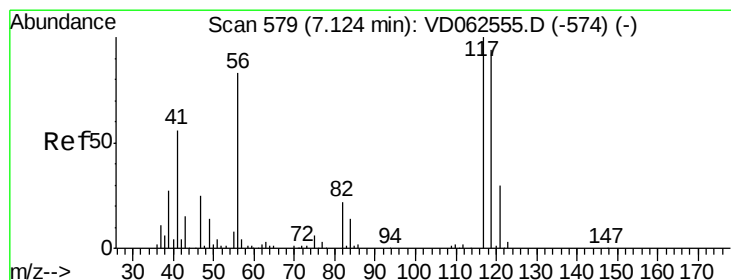
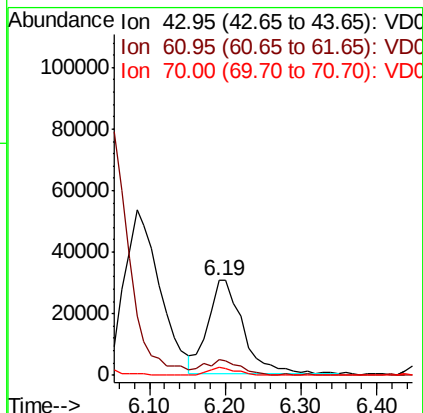
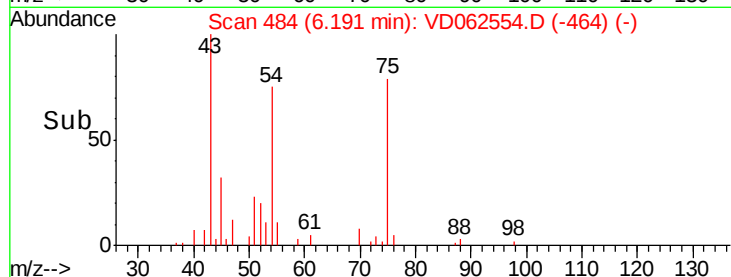


#37
Ethyl Acetate
Concen: 17.709 ug/l
RT: 6.19 min Scan# 484
Delta R.T. -0.01 min
Lab File: VD062554.D
Acq: 30 May 2019 15:27

Tot Ion: 43 Resp: 97224
Ion Ratio Lower Upper
43 100
61 16.5 9.8 14.8#
70 8.1 6.5 9.7

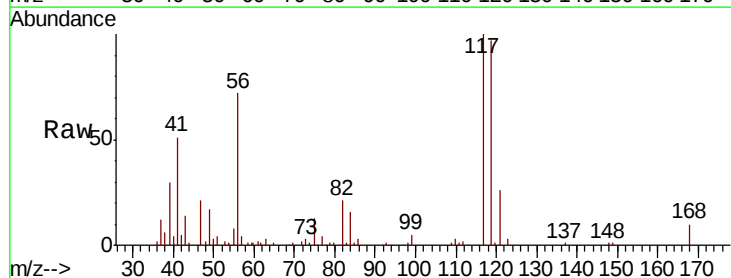


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

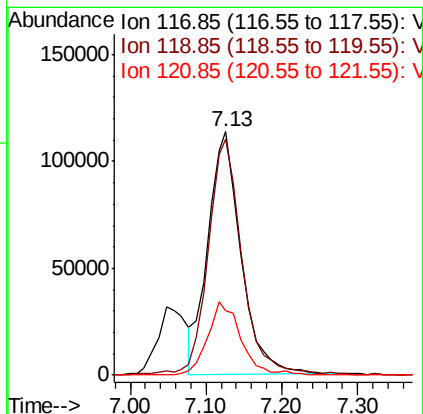
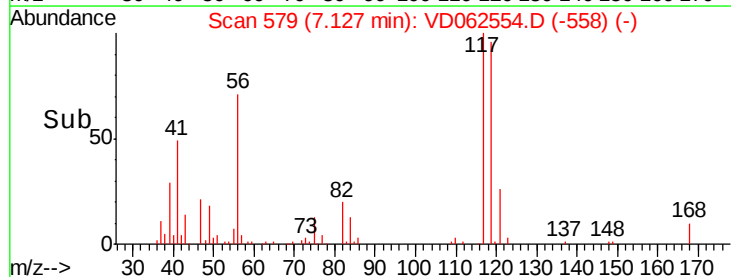


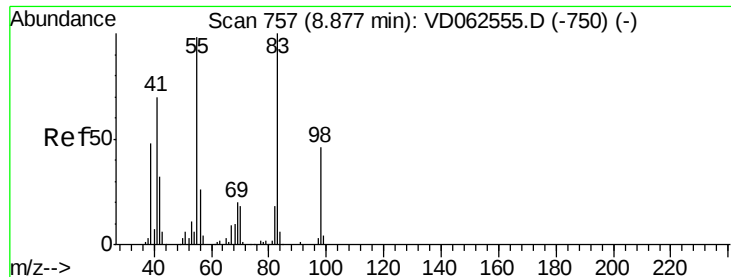
#38
Carbon Tetrachloride
Concen: 18.513 ug/l
RT: 7.13 min Scan# 579
Delta R.T. 0.00 min
Lab File: VD062554.D
Acq: 30 May 2019 15:27

Tgt Ion: 117 Resp: 343785
Ion Ratio Lower Upper
117 100
119 97.0 71.4 107.2
121 26.3 22.5 33.7



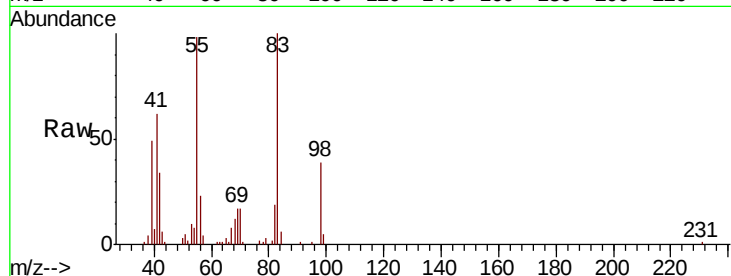
Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V



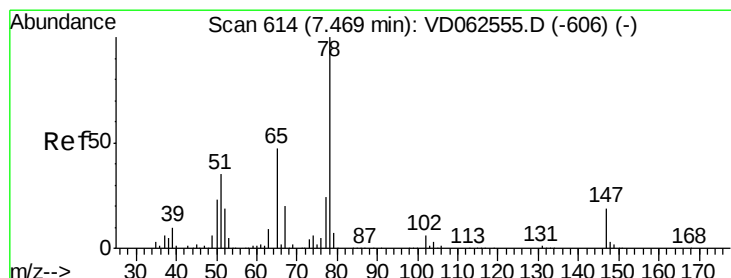
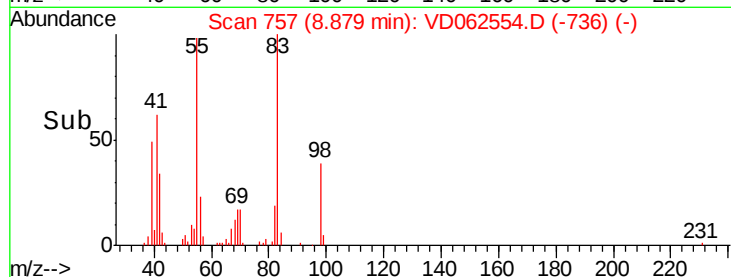
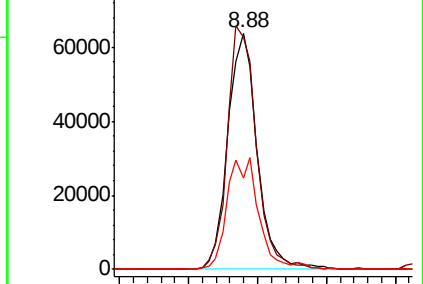


#39
Methvlcvclohexane
Concen: 18.336 ug/l
RT: 8.88 min Scan# 757
Delta R.T. 0.00 min
Lab File: VD062554.D
Acq: 30 May 2019 15:27

Tot Ion	83	Resp	188858
Ion Ratio	Lower	Upper	
83	100		
55	98.2	78.7	118.1
98	38.7	37.2	55.8

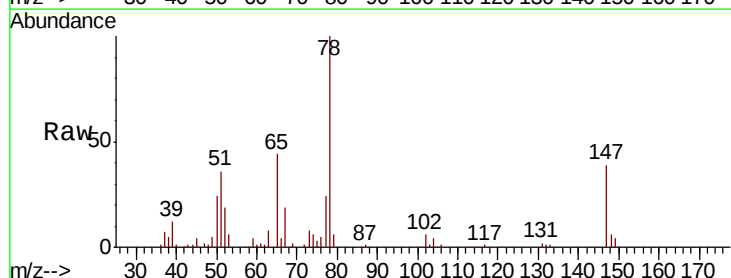


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

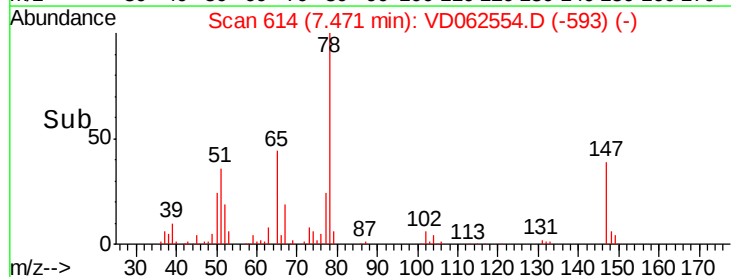
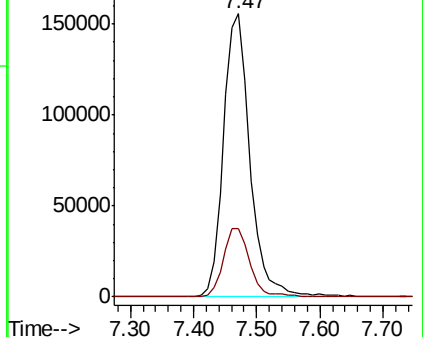


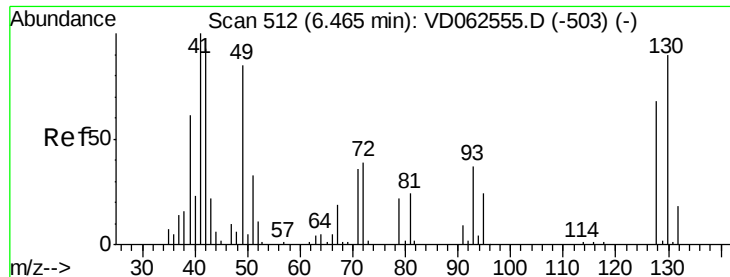
#40
Benzene
Concen: 18.747 ug/l
RT: 7.47 min Scan# 614
Delta R.T. 0.00 min
Lab File: VD062554.D
Acq: 30 May 2019 15:27

Tgt Ion	78	Resp	452748
Ion Ratio	Lower	Upper	
78	100		
77	24.3	19.1	28.7



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 19.062 ug/l

RT: 6.47 min Scan# 512

Delta R.T. 0.00 min

Lab File: VD062554.D

Acq: 30 May 2019 15:27

Tot Ion: 41 Resp: 117306

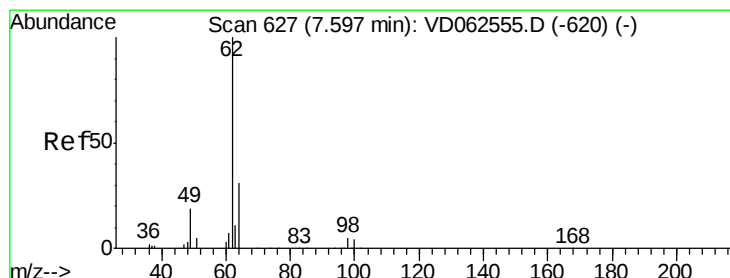
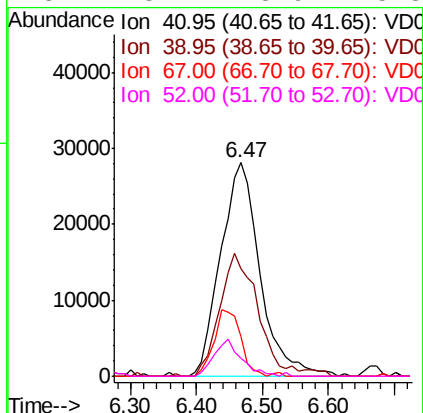
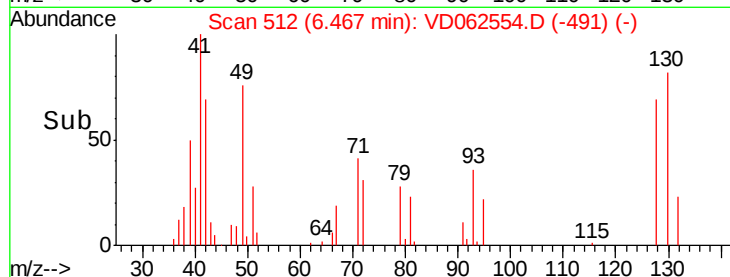
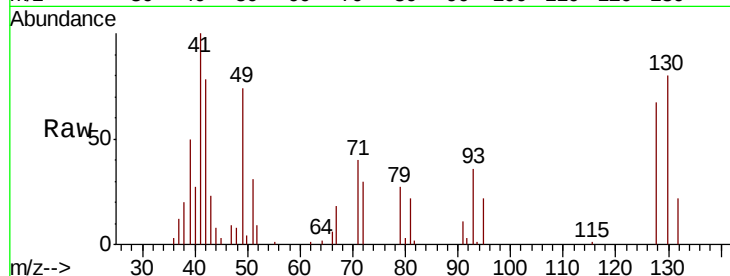
Ion	Ratio	Lower	Upper
41	100		
39	50.3	49.0	73.6
67	18.4	15.5	23.3
52	8.7	8.9	13.3

41 100

39 50.3 49.0 73.6

67 18.4 15.5 23.3

52 8.7 8.9 13.3



#42

1,2-Dichloroethane

Concen: 18.623 ug/l

RT: 7.59 min Scan# 626

Delta R.T. -0.01 min

Lab File: VD062554.D

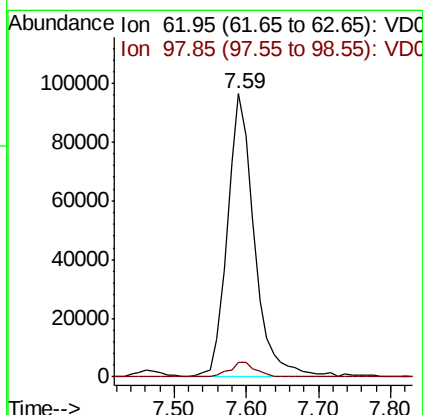
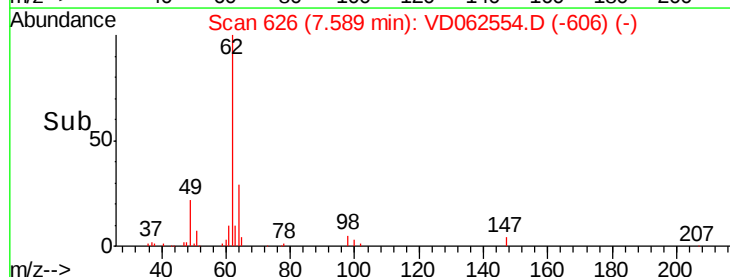
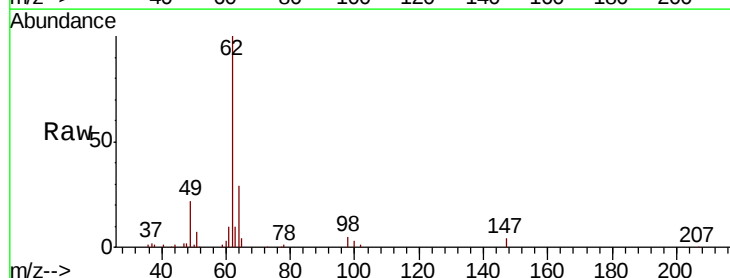
Acq: 30 May 2019 15:27

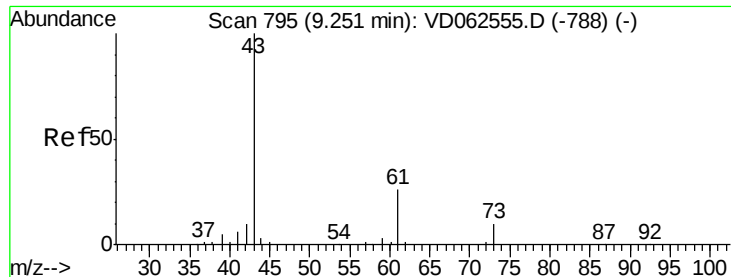
Tgt Ion: 62 Resp: 251101

Ion	Ratio	Lower	Upper
62	100		
98	5.0	0.0	11.0

62 100

98 5.0 0.0 11.0

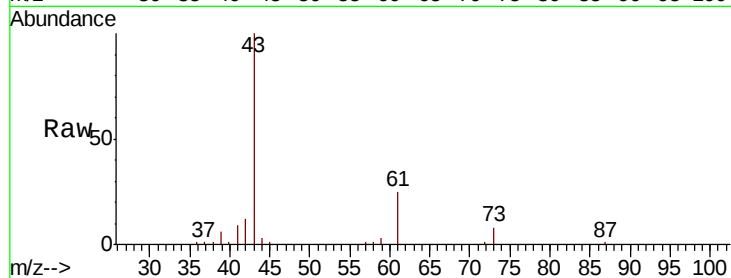




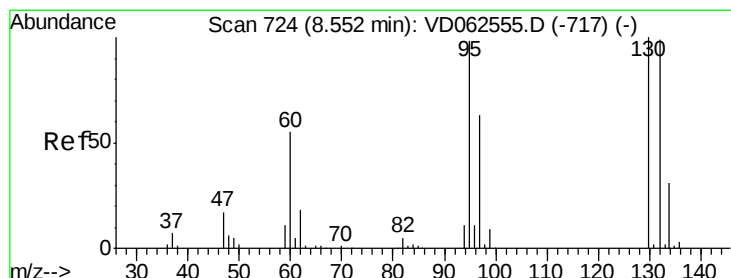
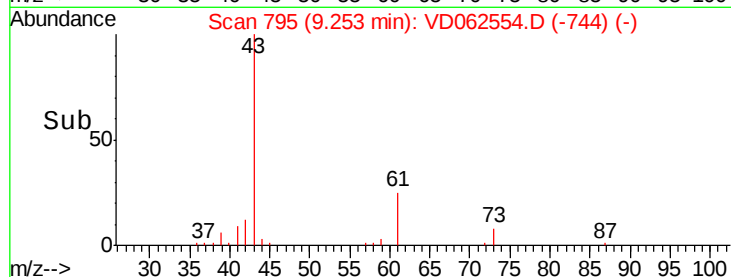
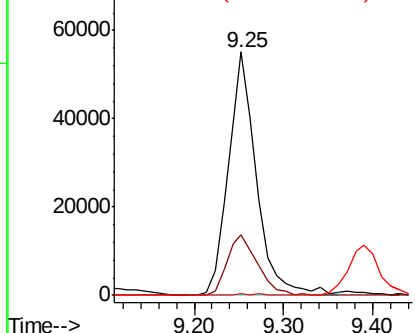
#43

Isopropyl Acetate
 Concen: 18.757 ug/l
 RT: 9.25 min Scan# 795
 Delta R.T. 0.00 min
 Lab File: VD062554.D
 Acq: 30 May 2019 15:27

Tot Ion	43	61	87	Resp	Lower	Upper
122096	100	24.7	0.6		20.5	30.7



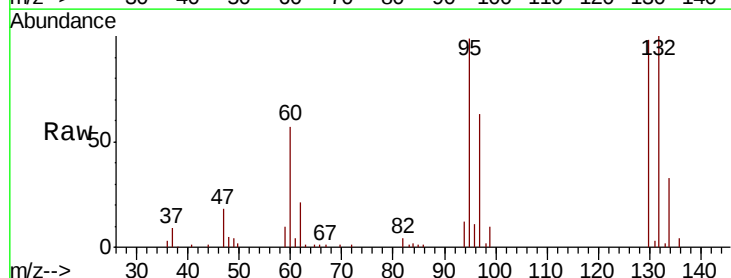
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



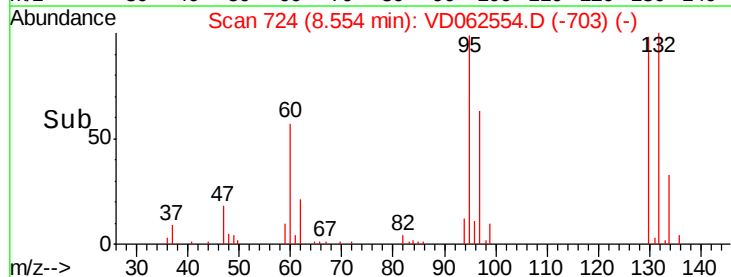
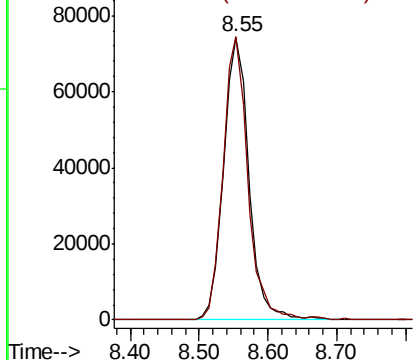
#44

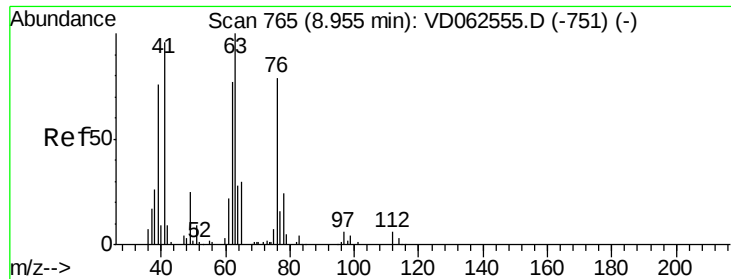
Trichloroethene
 Concen: 19.588 ug/l
 RT: 8.55 min Scan# 724
 Delta R.T. 0.00 min
 Lab File: VD062554.D
 Acq: 30 May 2019 15:27

Tgt Ion	130	95	Resp	Lower	Upper
189355	100	100.3		0.0	196.6



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





#45

1,2-Dichloropropane

Concen: 19.810 ug/l

RT: 8.95 min Scan# 764

Delta R.T. -0.01 min

Lab File: VD062554.D

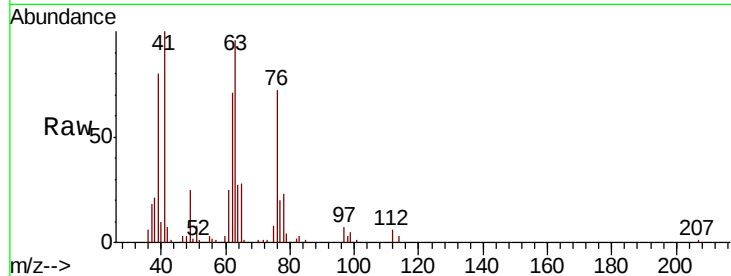
Acq: 30 May 2019 15:27

Tot Ion: 63 Resp: 117519

Ion Ratio Lower Upper

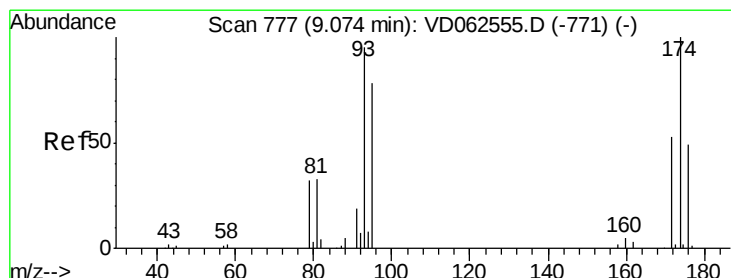
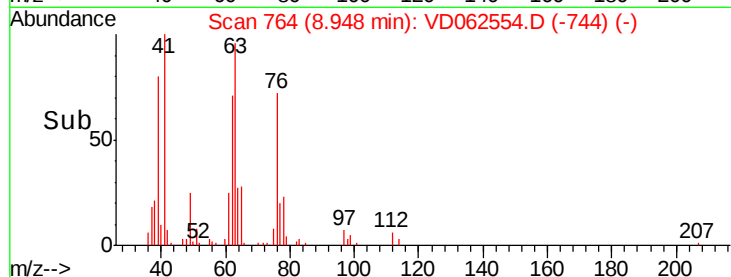
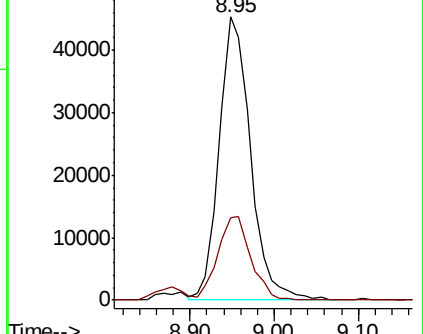
63 100

65 29.2 23.7 35.5



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 19.740 ug/l

RT: 9.08 min Scan# 777

Delta R.T. 0.00 min

Lab File: VD062554.D

Acq: 30 May 2019 15:27

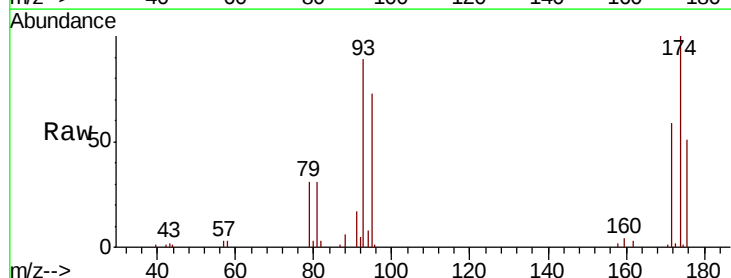
Tgt Ion: 93 Resp: 97676

Ion Ratio Lower Upper

93 100

95 82.1 66.1 99.1

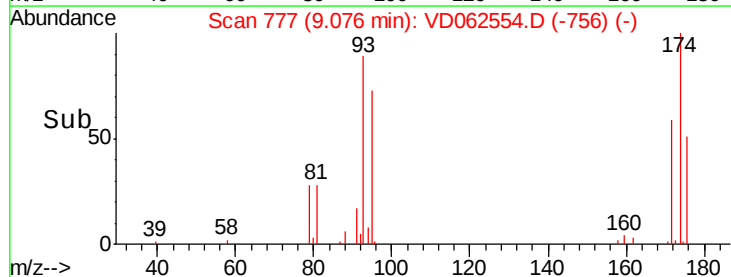
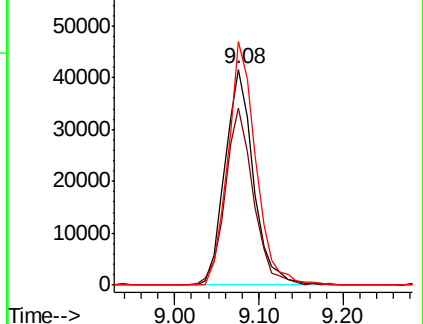
174 113.0 84.2 126.4

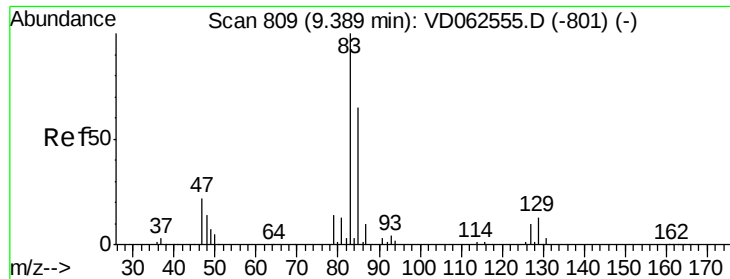


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC





#47

Bromodichloromethane

Concen: 19.393 ug/l

RT: 9.39 min Scan# 809

Delta R.T. 0.00 min

Lab File: VD062554.D

Acq: 30 May 2019 15:27

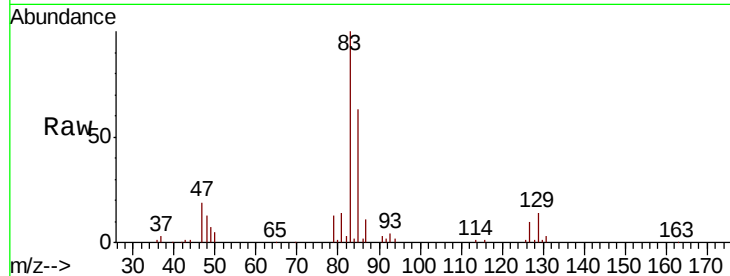
Tot Ion: 83 Resp: 266560

Ion Ratio Lower Upper

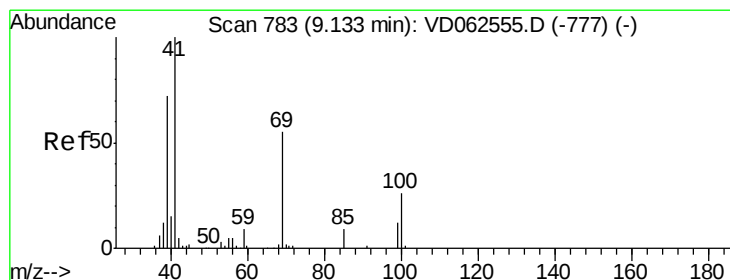
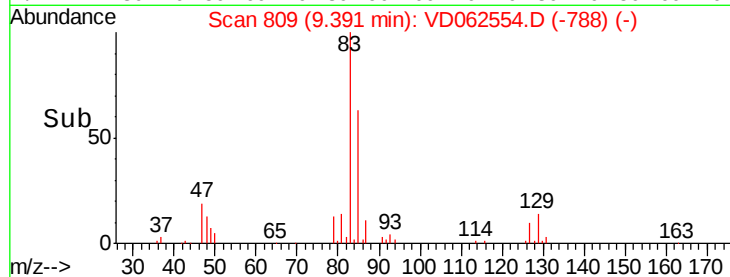
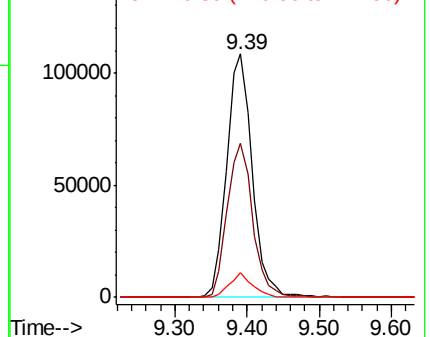
83 100

85 63.3 51.8 77.8

127 10.3 7.8 11.6



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



#48

Methyl methacrylate

Concen: 18.103 ug/l

RT: 9.13 min Scan# 783

Delta R.T. 0.00 min

Lab File: VD062554.D

Acq: 30 May 2019 15:27

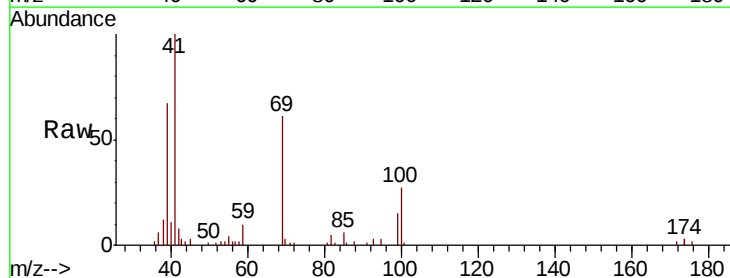
Tgt Ion: 41 Resp: 80970

Ion Ratio Lower Upper

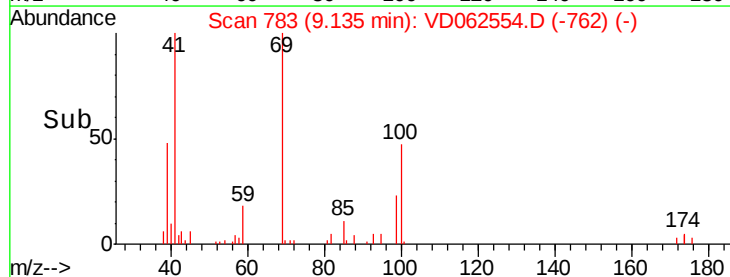
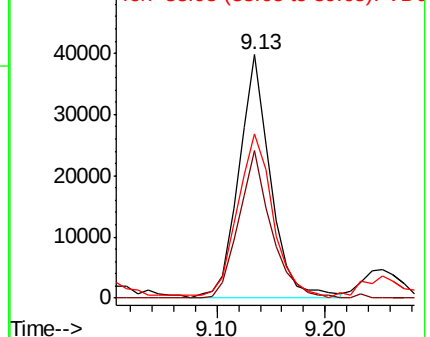
41 100

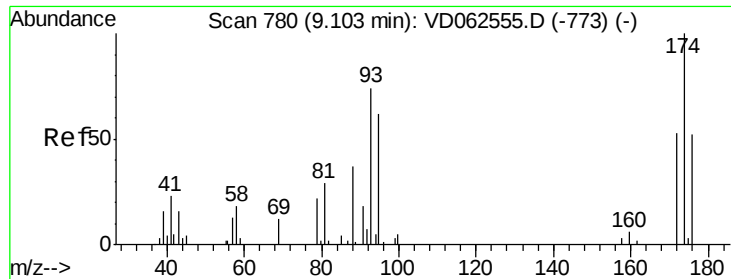
69 60.8 43.6 65.4

39 67.4 58.1 87.1



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: 376.642 ug/l

RT: 9.10 min Scan# 779

Delta R.T. -0.01 min

Lab File: VD062554.D

Acq: 30 May 2019 15:27

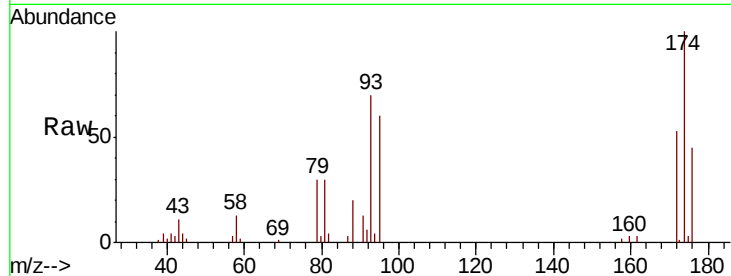
Tot Ion: 88 Resp: 13676

Ion Ratio Lower Upper

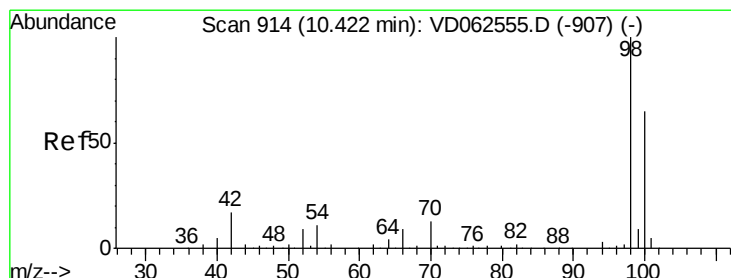
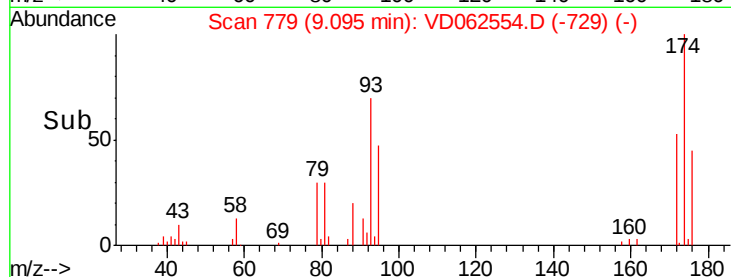
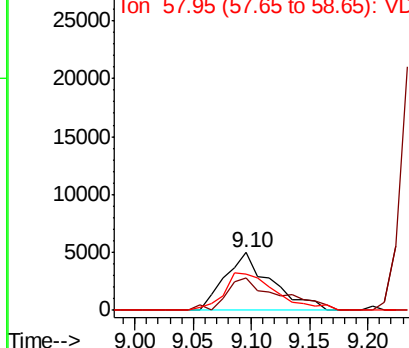
88 100

43 56.3 37.1 55.7#

58 63.1 39.3 58.9#



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



#50

Toluene-d8

Concen: 19.096 ug/l

RT: 10.41 min Scan# 913

Delta R.T. -0.01 min

Lab File: VD062554.D

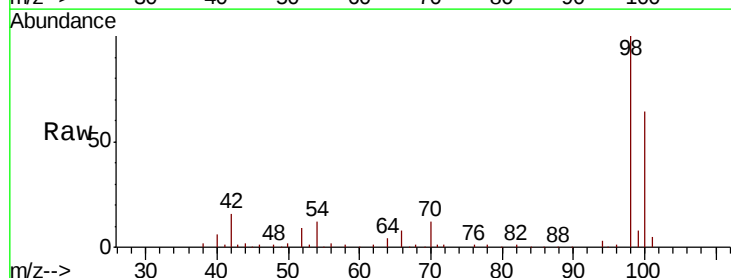
Acq: 30 May 2019 15:27

Tgt Ion: 98 Resp: 463596

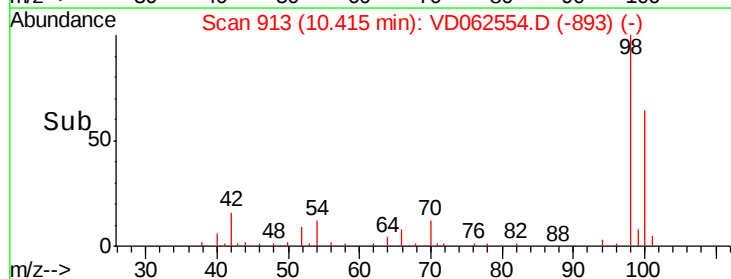
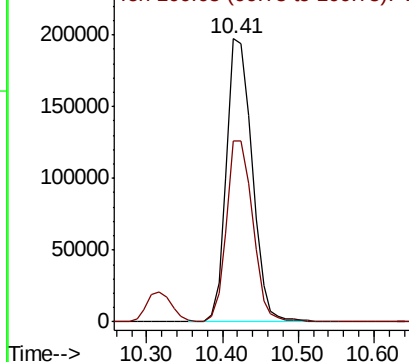
Ion Ratio Lower Upper

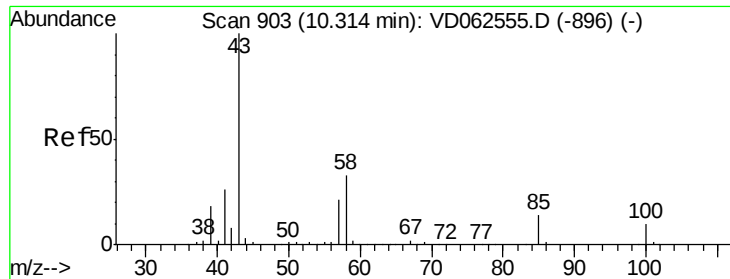
98 100

100 64.1 52.3 78.5



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





#51

4-Methyl-2-Pentanone

Concen: 92.715 ug/l

RT: 10.32 min Scan# 903

Delta R.T. 0.00 min

Lab File: VD062554.D

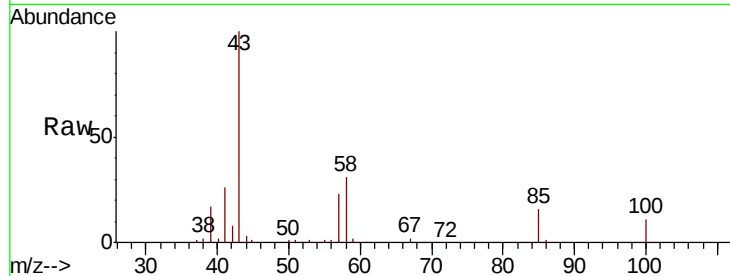
Acq: 30 May 2019 15:27

Tot Ion: 43 Resp: 426953

Ion Ratio Lower Upper

43 100

58 30.9 26.1 39.1



Abundance Ion 42.95 (42.65 to 43.65): VD062555.D (-896) (-)

Ion 57.95 (57.65 to 58.65): VD062555.D (-896) (-)

10.32

200000

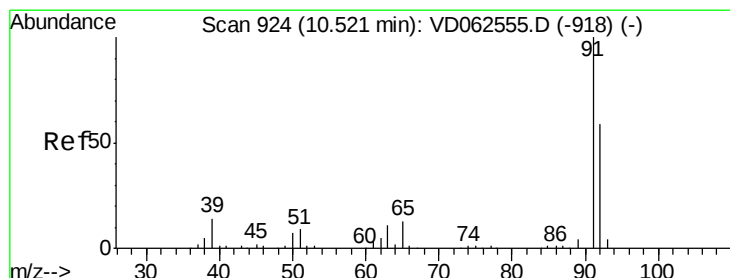
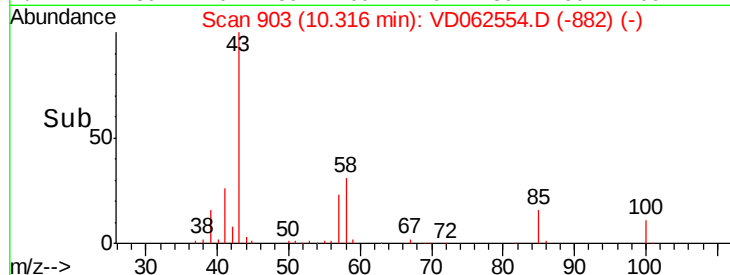
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 18.761 ug/l

RT: 10.52 min Scan# 924

Delta R.T. 0.00 min

Lab File: VD062554.D

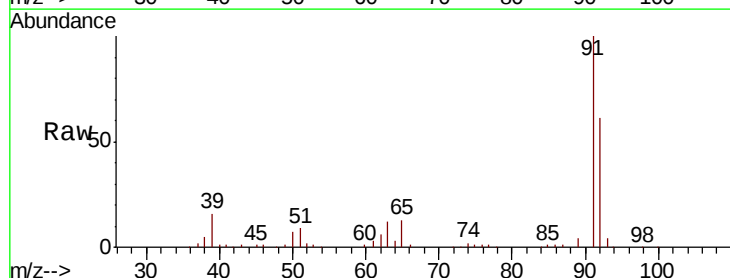
Acq: 30 May 2019 15:27

Tgt Ion: 92 Resp: 308249

Ion Ratio Lower Upper

92 100

91 164.9 135.5 203.3



Abundance Ion 92.00 (91.70 to 92.70): VD062555.D (-918) (-)

Ion 91.00 (90.70 to 91.70): VD062555.D (-918) (-)

10.52

250000

200000

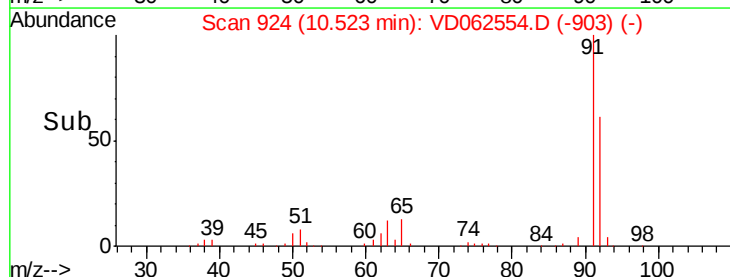
150000

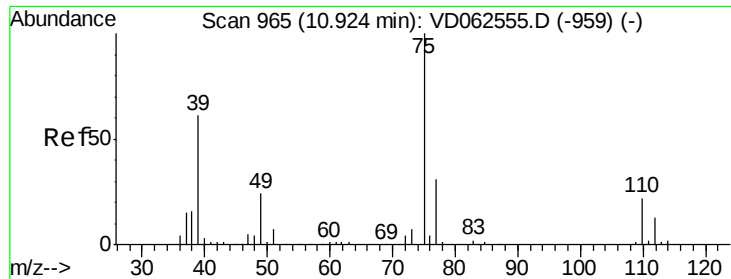
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 18.247 ug/l

RT: 10.93 min Scan# 965

Delta R.T. 0.00 min

Lab File: VD062554.D

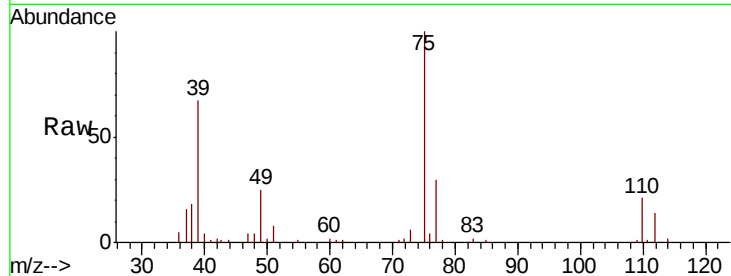
Acq: 30 May 2019 15:27

Tot Ion: 75 Resp: 214416

Ion Ratio Lower Upper

75 100

77 30.2 24.5 36.7



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

10.93

120000

100000

80000

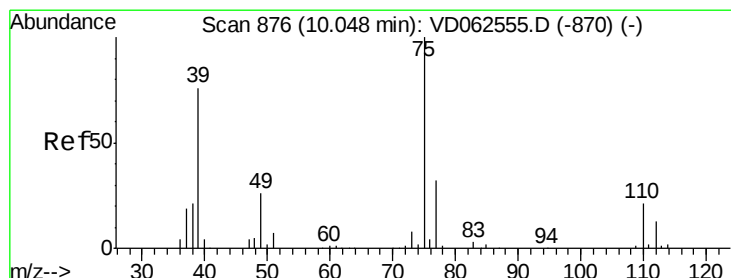
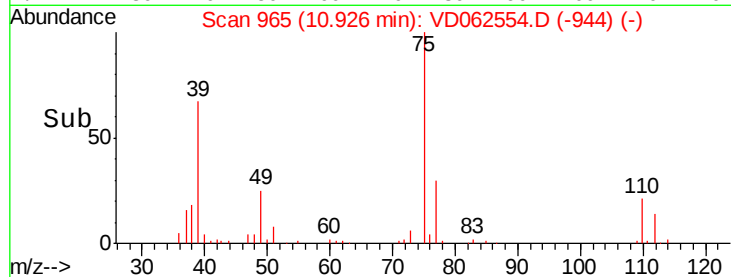
60000

40000

20000

0

Time--> 10.80 10.90 11.00



#54

cis-1,3-Dichloropropene

Concen: 18.928 ug/l

RT: 10.05 min Scan# 876

Delta R.T. 0.00 min

Lab File: VD062554.D

Acq: 30 May 2019 15:27

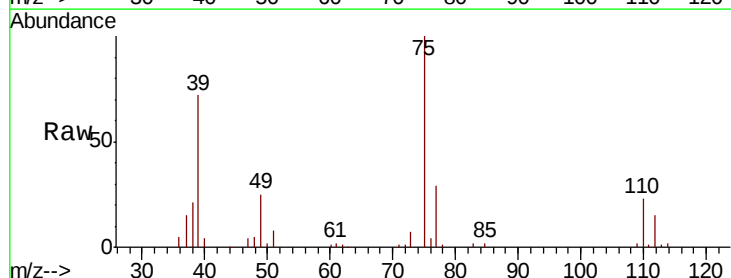
Tgt Ion: 75 Resp: 229907

Ion Ratio Lower Upper

75 100

77 29.0 25.7 38.5

39 72.3 61.0 91.6



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

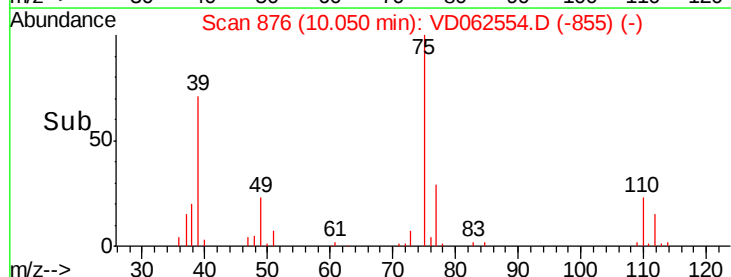
10.05

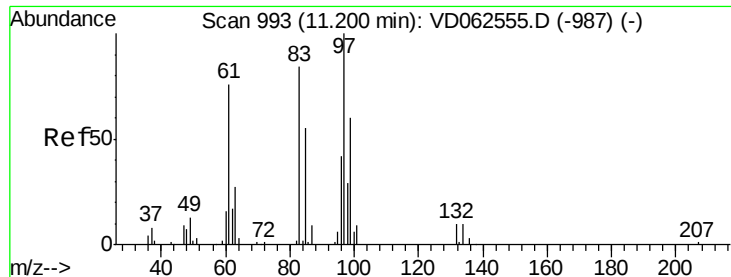
100000

50000

0

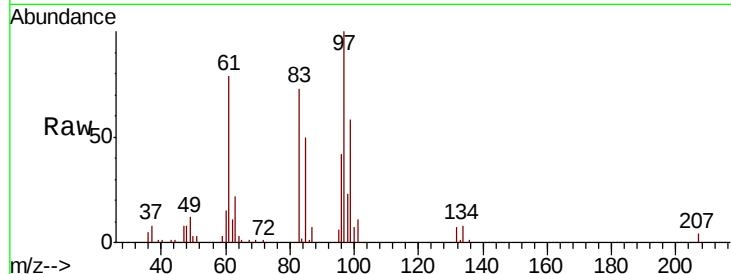
Time--> 10.00 10.10 10.20



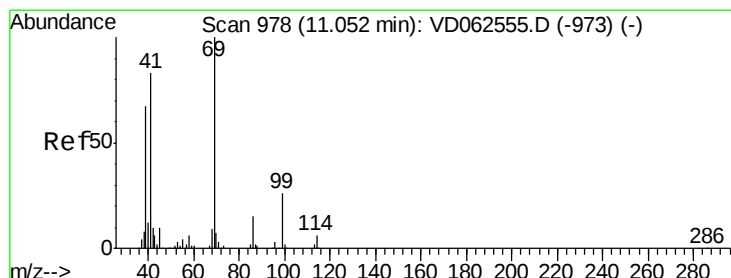
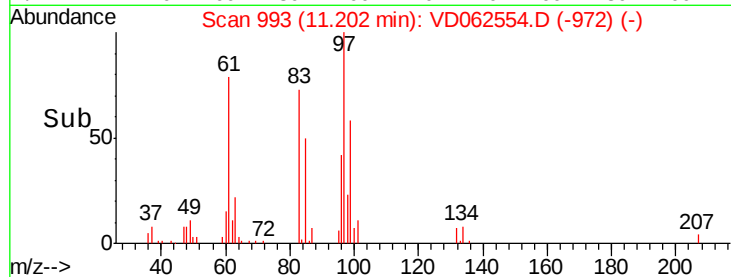
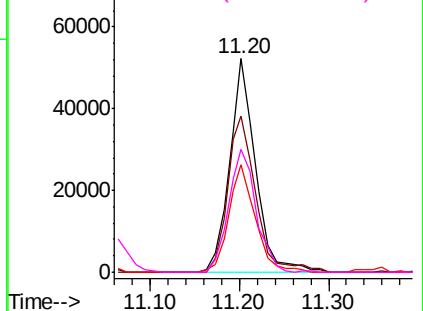


#55
 1,1,2-Trichloroethane
 Concen: 19.443 ug/l
 RT: 11.20 min Scan# 993
 Delta R.T. 0.00 min
 Lab File: VD062554.D
 Acq: 30 May 2019 15:27

Tot Ion:	97	Resp:	106225
Ion	Ratio	Lower	Upper
97	100		
83	73.4	67.3	100.9
85	50.3	43.8	65.8
99	57.5	48.2	72.2

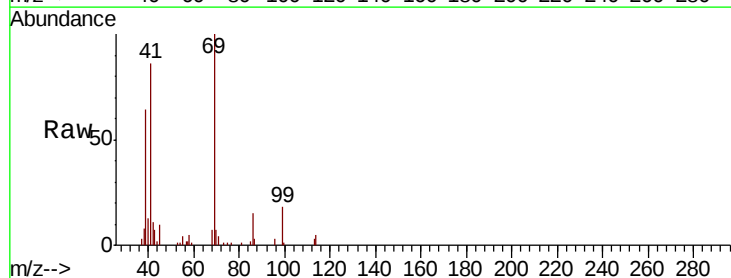


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

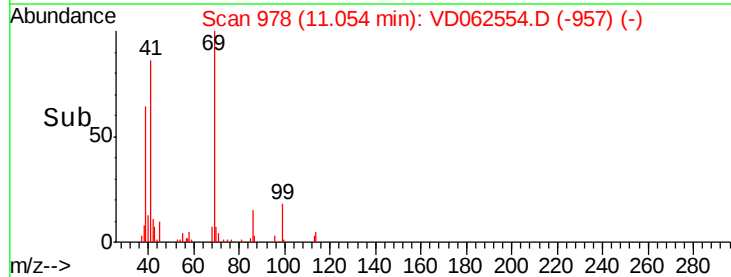
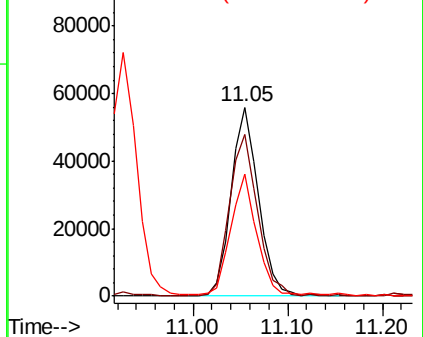


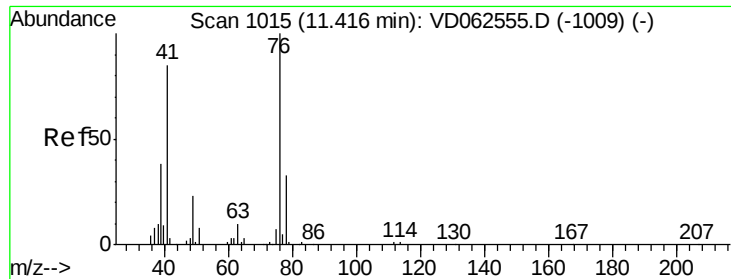
#56
 Ethyl methacrylate
 Concen: 19.293 ug/l
 RT: 11.05 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VD062554.D
 Acq: 30 May 2019 15:27

Tgt Ion:	69	Resp:	111486
Ion	Ratio	Lower	Upper
69	100		
41	85.6	66.1	99.1
39	64.3	54.2	81.2



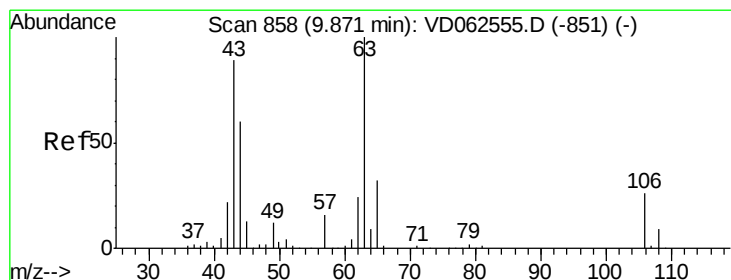
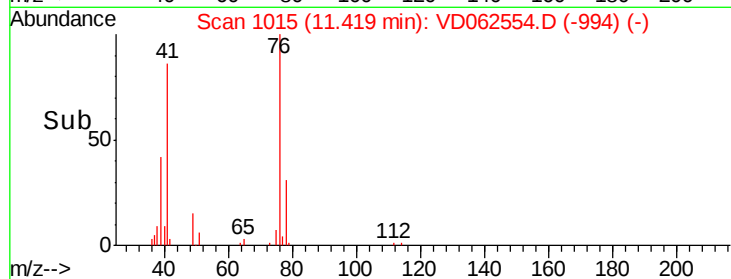
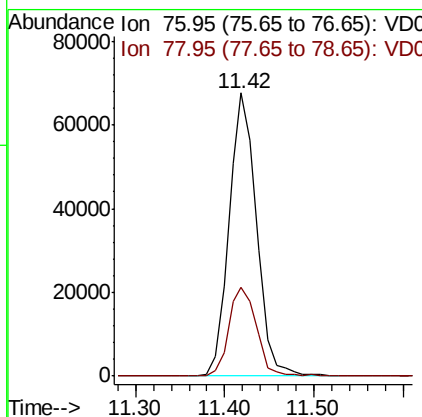
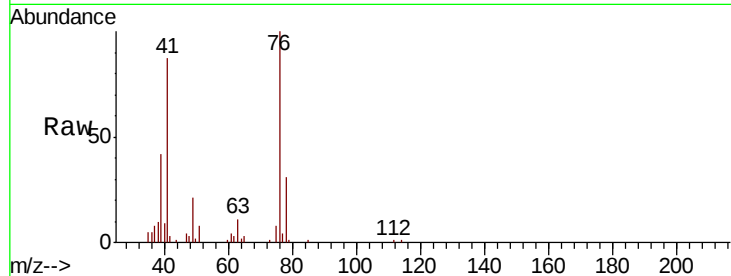
Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.05 (40.75 to 41.75): VDC
 Ion 38.95 (38.65 to 39.65): VDC





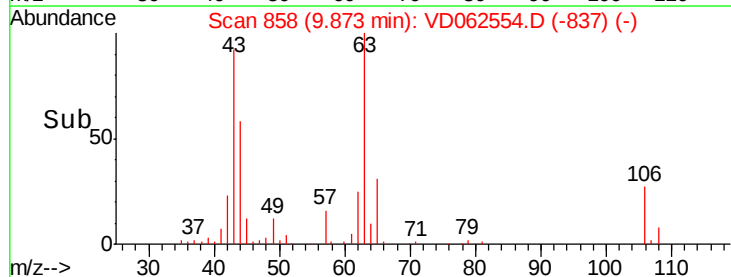
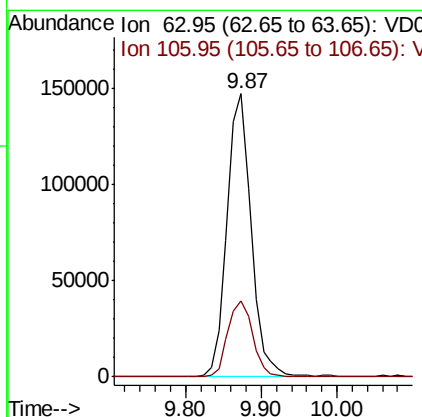
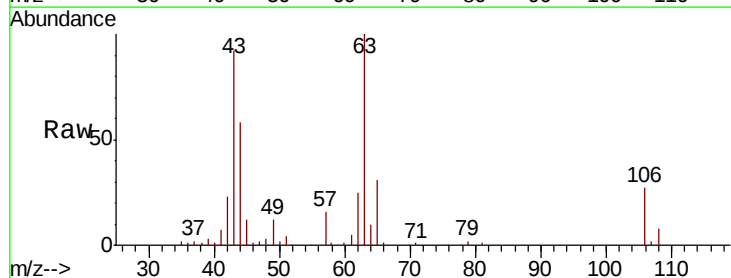
#57
 1,3-Dichloropropane
 Concen: 17.672 ug/l
 RT: 11.42 min Scan# 1015
 Delta R.T. 0.00 min
 Lab File: VD062554.D
 Acq: 30 May 2019 15:27

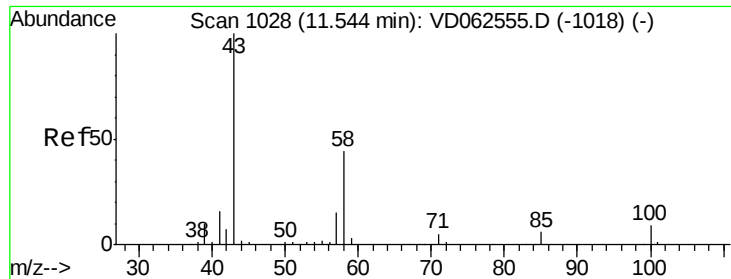
Tot Ion: 76 Resp: 146241
 Ion Ratio Lower Upper
 76 100
 78 31.4 26.7 40.1



#58
 2-Chloroethyl Vinyl ether
 Concen: 108.697 ug/l
 RT: 9.87 min Scan# 858
 Delta R.T. 0.00 min
 Lab File: VD062554.D
 Acq: 30 May 2019 15:27

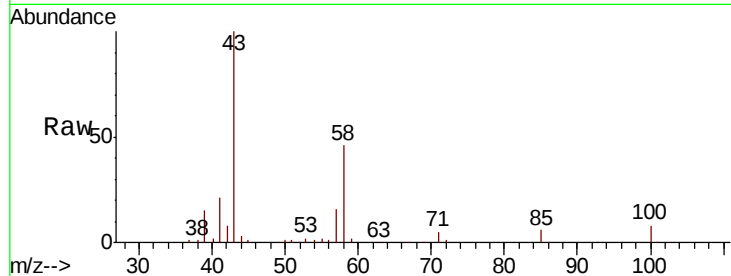
Tgt Ion: 63 Resp: 325560
 Ion Ratio Lower Upper
 63 100
 106 26.8 21.0 31.4



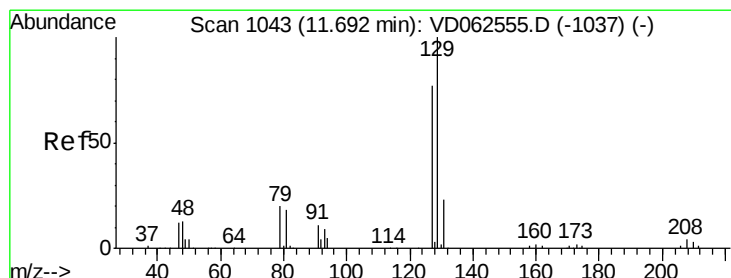
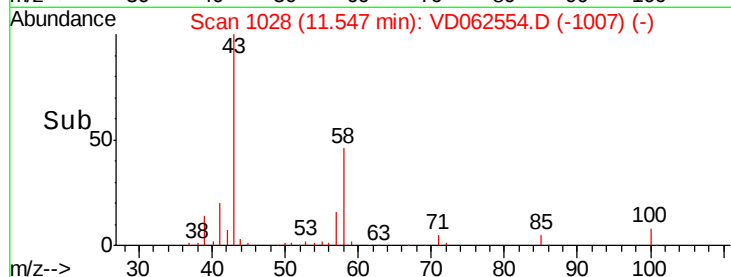
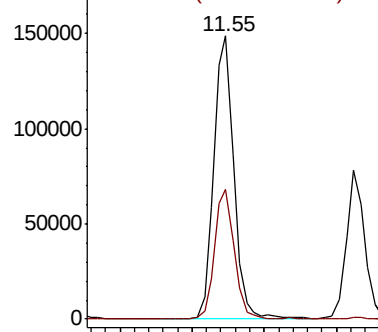


#59
2-Hexanone
Concen: 90.324 ug/l
RT: 11.55 min Scan# 1028
Delta R.T. 0.00 min
Lab File: VD062554.D
Acq: 30 May 2019 15:27

Tot Ion: 43 Resp: 290616
Ion Ratio Lower Upper
43 100
58 45.9 22.0 66.0

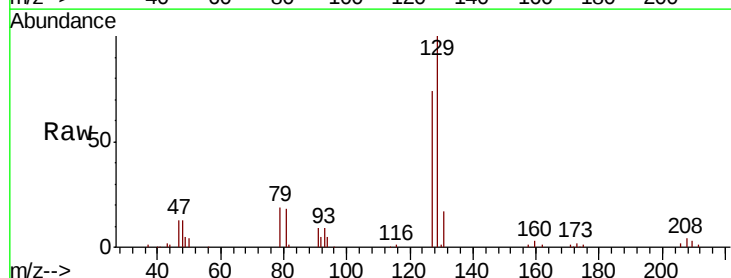


Abundance Ion 42.95 (42.65 to 43.65): VD062555.D (-1018) (-)
Ion 57.95 (57.65 to 58.65): VD062555.D (-1018) (-)

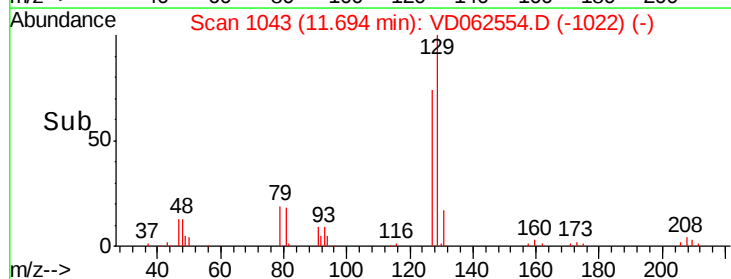
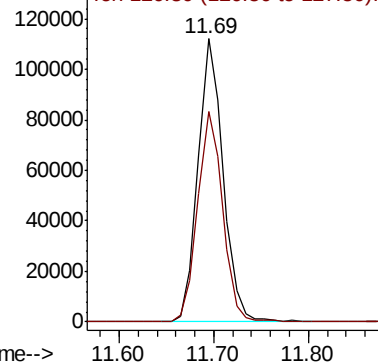


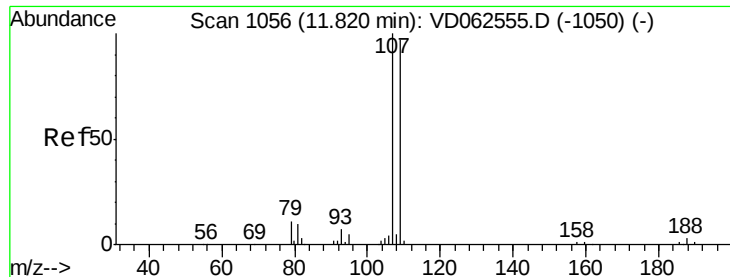
#60
Dibromochloromethane
Concen: 19.338 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. 0.00 min
Lab File: VD062554.D
Acq: 30 May 2019 15:27

Tgt Ion: 129 Resp: 204966
Ion Ratio Lower Upper
129 100
127 74.2 38.6 115.8



Abundance Ion 128.80 (128.50 to 129.50): VD062555.D (-1037) (-)
Ion 126.80 (126.50 to 127.50): VD062555.D (-1037) (-)





#61

1,2-Dibromoethane

Concen: 19.253 ug/l

RT: 11.81 min Scan# 1055

Delta R.T. -0.01 min

Lab File: VD062554.D

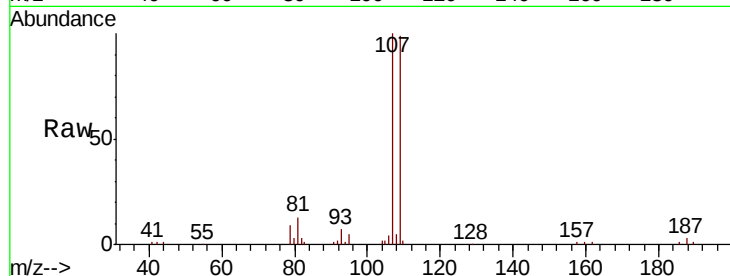
Acq: 30 May 2019 15:27

Tot Ion: 107 Resp: 124476

Ion Ratio Lower Upper

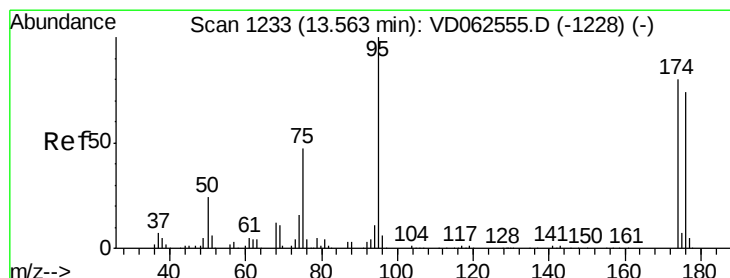
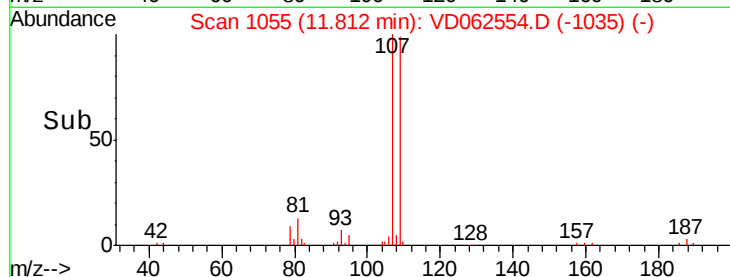
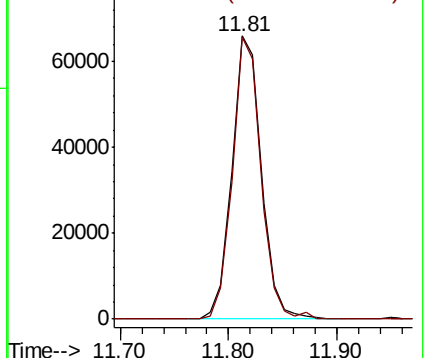
107 100

109 99.4 77.3 115.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 19.011 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VD062554.D

Acq: 30 May 2019 15:27

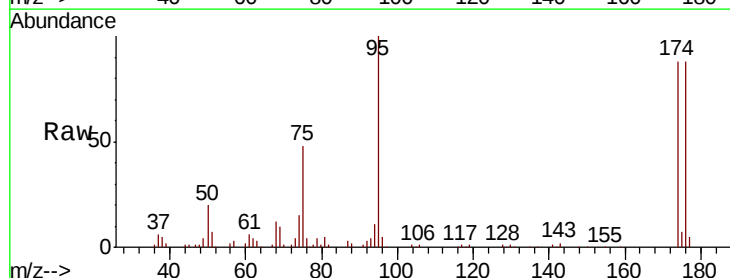
Tgt Ion: 95 Resp: 206931

Ion Ratio Lower Upper

95 100

174 87.8 0.0 160.2

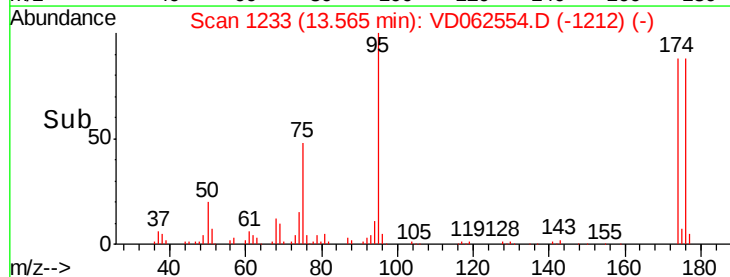
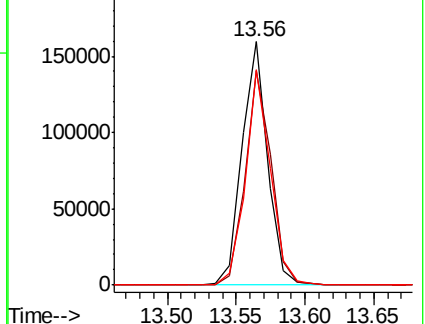
176 88.4 0.0 148.0

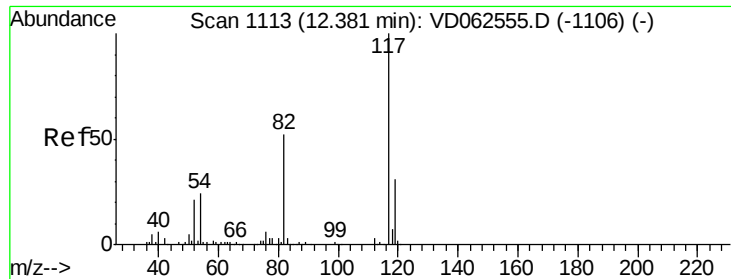


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

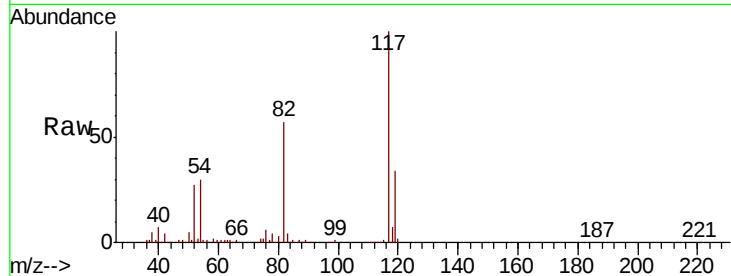
Ion 175.90 (175.60 to 176.60): V



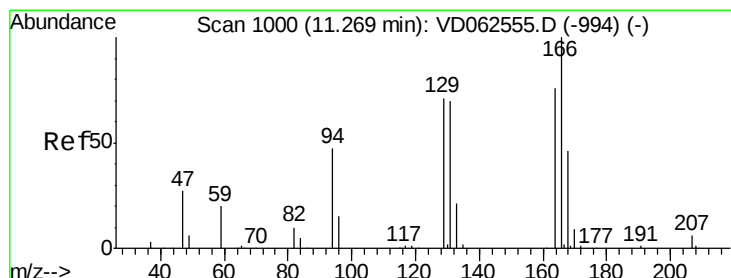
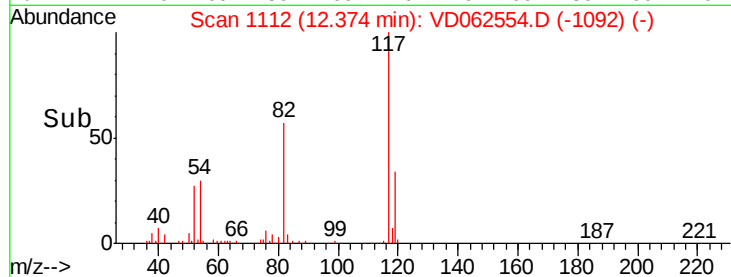
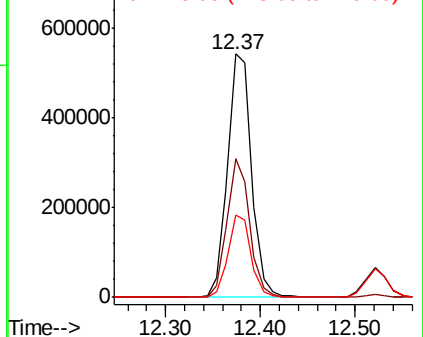


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.01 min
Lab File: VD062554.D
Acq: 30 May 2019 15:27

Tot Ion:117 Resp: 952298
Ion Ratio Lower Upper
117 100
82 57.1 41.4 62.2
119 34.0 24.9 37.3

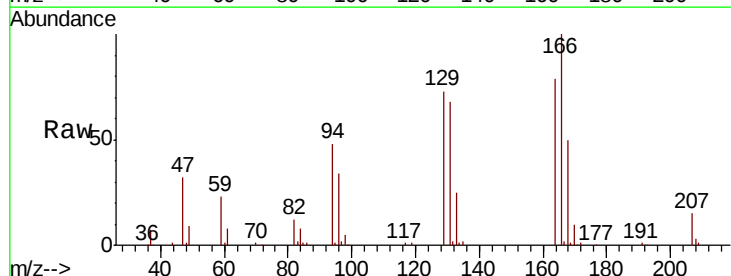


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

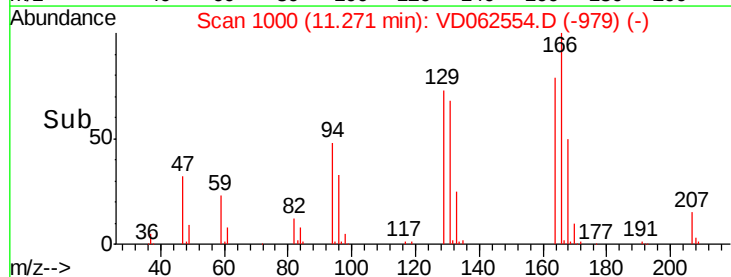
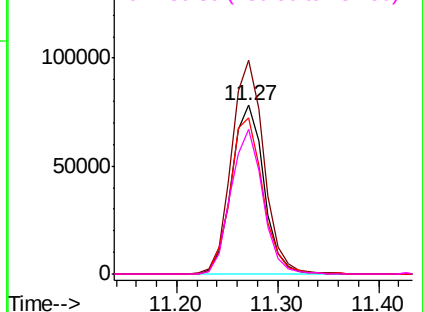


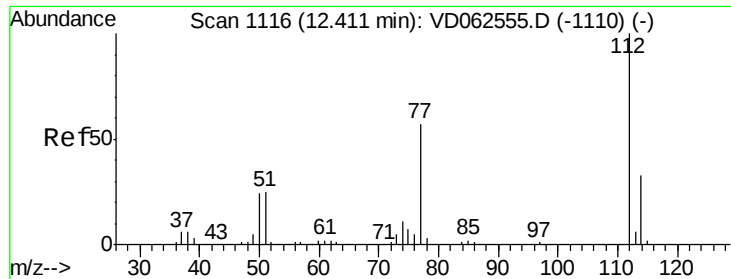
#64
Tetrachloroethene
Concen: 20.144 ug/l
RT: 11.27 min Scan# 1000
Delta R.T. 0.00 min
Lab File: VD062554.D
Acq: 30 May 2019 15:27

Tgt Ion:164 Resp: 173610
Ion Ratio Lower Upper
164 100
166 126.6 105.3 157.9
129 92.4 75.3 112.9
131 85.9 73.3 109.9



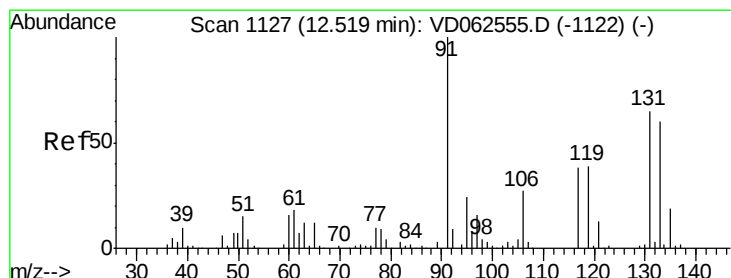
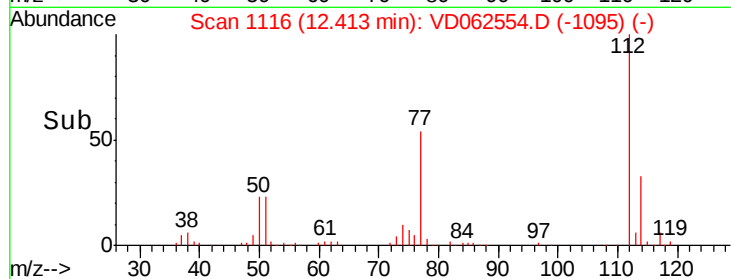
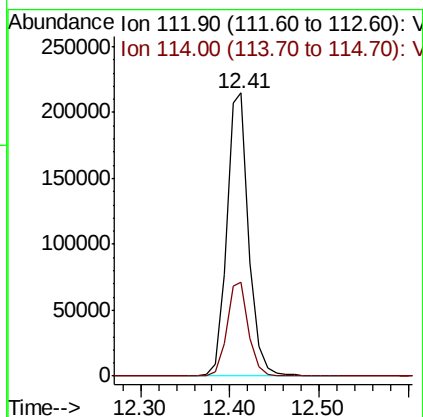
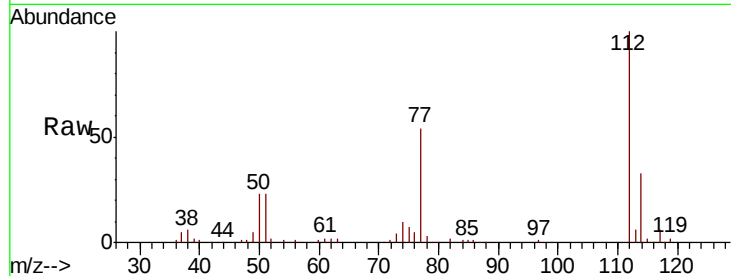
Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





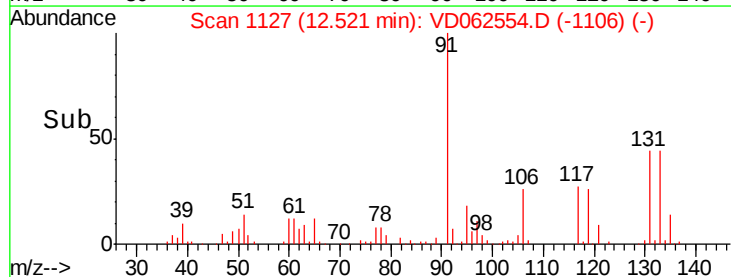
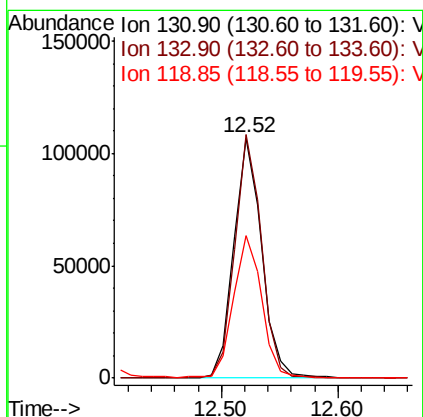
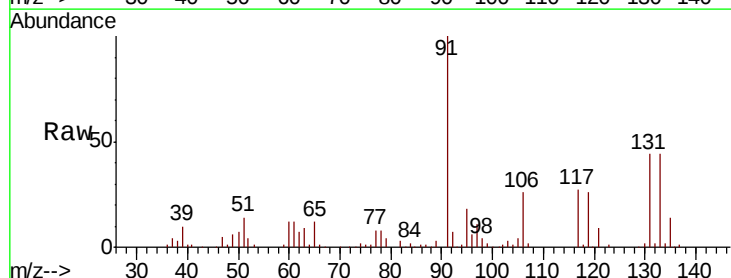
#65
Chlorobenzene
Concen: 19.320 ug/l
RT: 12.41 min Scan# 1116
Delta R.T. 0.00 min
Lab File: VD062554.D
Acq: 30 May 2019 15:27

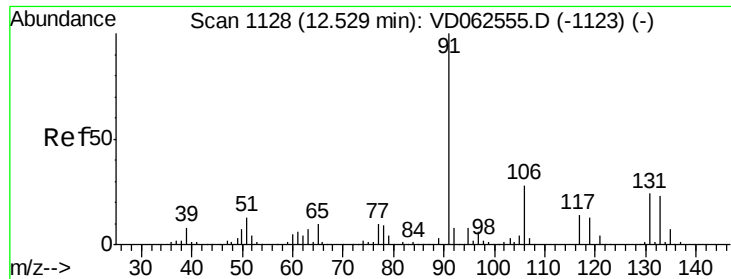
Tot Ion:112 Resp: 372044
Ion Ratio Lower Upper
112 100
114 33.1 26.6 39.8



#66
1,1,1,2-Tetrachloroethane
Concen: 19.667 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD062554.D
Acq: 30 May 2019 15:27

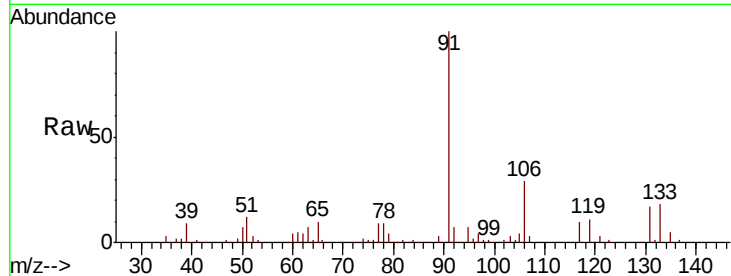
Tgt Ion:131 Resp: 176987
Ion Ratio Lower Upper
131 100
133 101.5 46.2 138.6
119 59.3 29.5 88.6



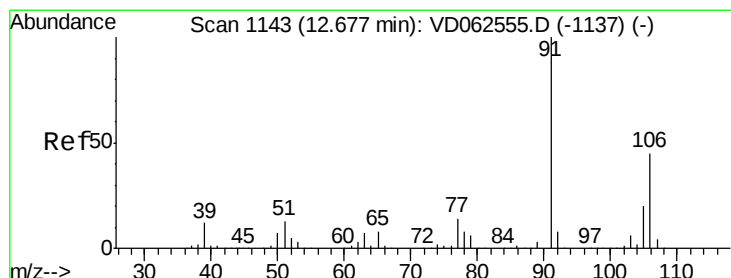
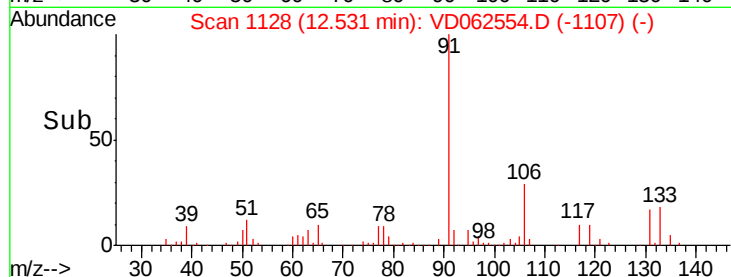
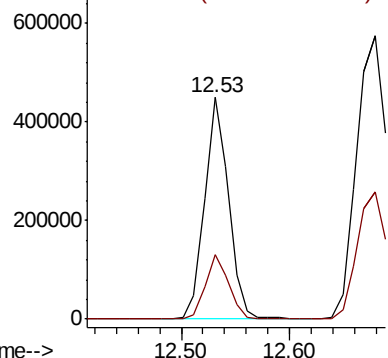


#67
Ethyl Benzene
Concen: 19.954 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VD062554.D
Acq: 30 May 2019 15:27

Tot Ion: 91 Resp: 692326
Ion Ratio Lower Upper
91 100
106 29.2 22.2 33.2

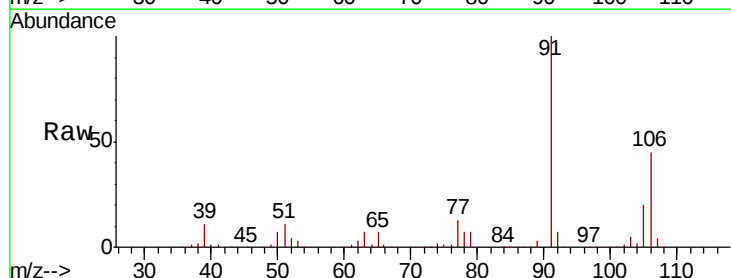


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 106.05 (105.75 to 106.75): V

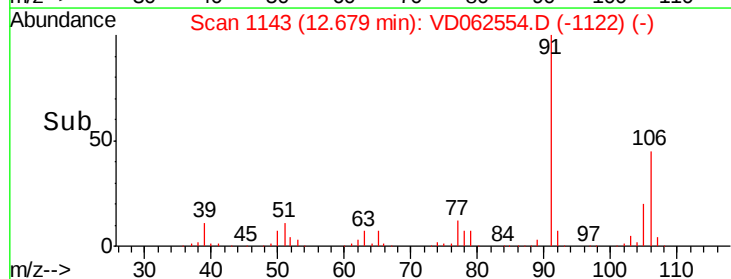
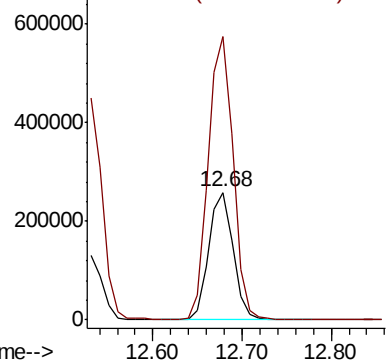


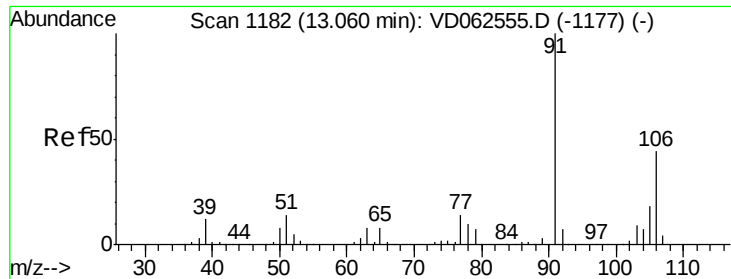
#68
m/p-Xylenes
Concen: 42.048 ug/l
RT: 12.68 min Scan# 1143
Delta R.T. 0.00 min
Lab File: VD062554.D
Acq: 30 May 2019 15:27

Tgt Ion:106 Resp: 495465
Ion Ratio Lower Upper
106 100
91 221.5 178.9 268.3



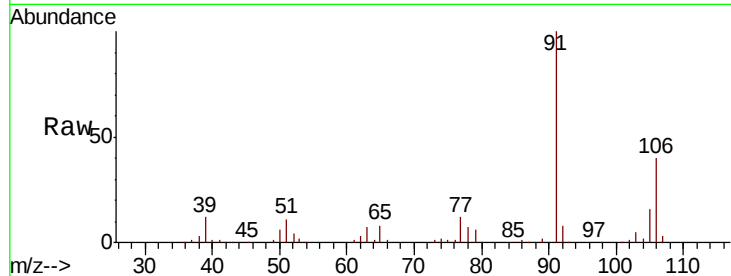
Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC



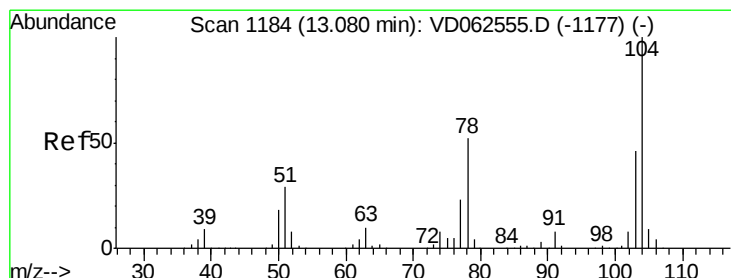
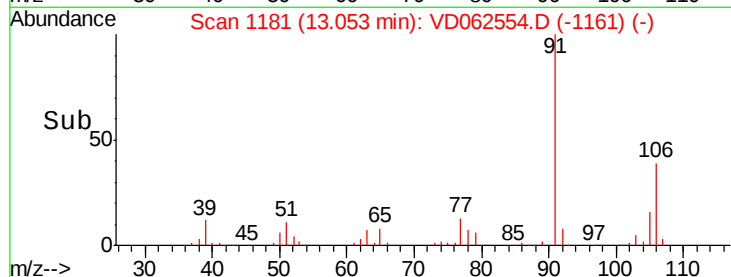
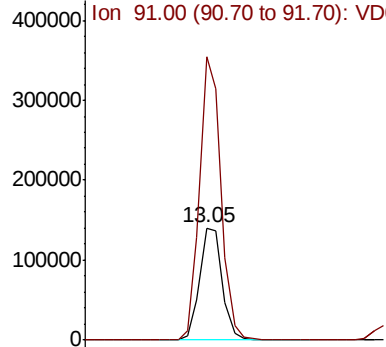


#69
o-Xylene
Concen: 20.209 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.01 min
Lab File: VD062554.D
Acq: 30 May 2019 15:27

Tot Ion:106 Resp: 230748
Ion Ratio Lower Upper
106 100
91 253.1 113.9 341.8

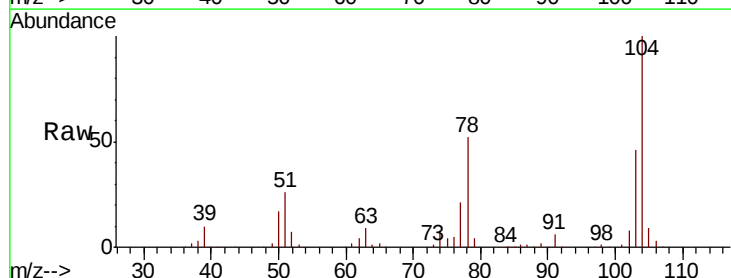


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

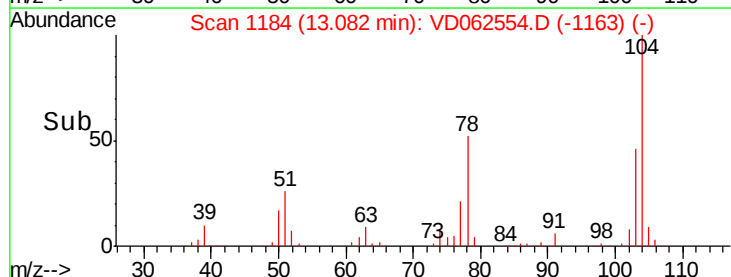
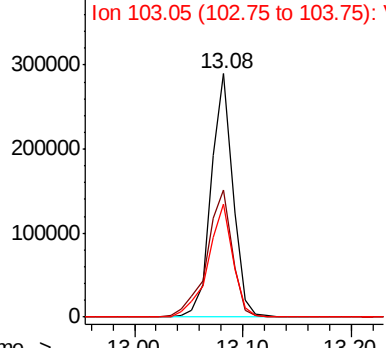


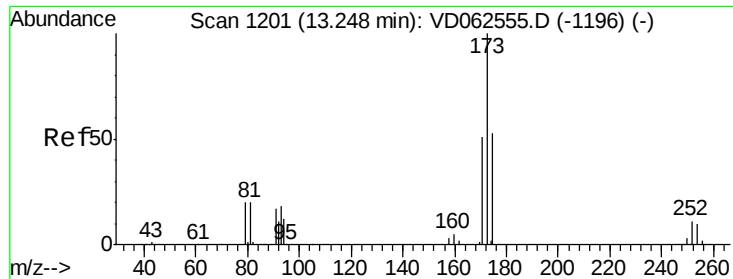
#70
Styrene
Concen: 20.920 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.00 min
Lab File: VD062554.D
Acq: 30 May 2019 15:27

Tgt Ion:104 Resp: 403808
Ion Ratio Lower Upper
104 100
78 52.0 41.5 62.3
103 46.2 36.6 55.0



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: 19.641 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. -0.01 min

Lab File: VD062554.D

Acq: 30 May 2019 15:27

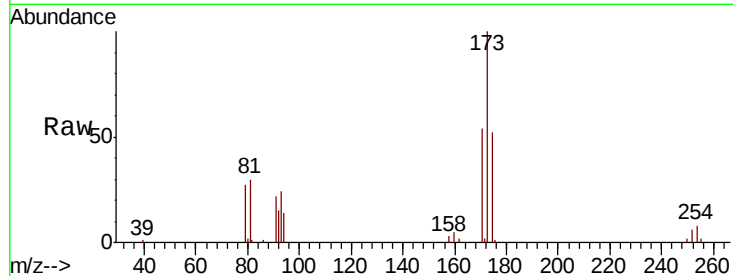
Tot Ion:173 Resp: 123057

Ion Ratio Lower Upper

173 100

175 51.8 26.6 79.7

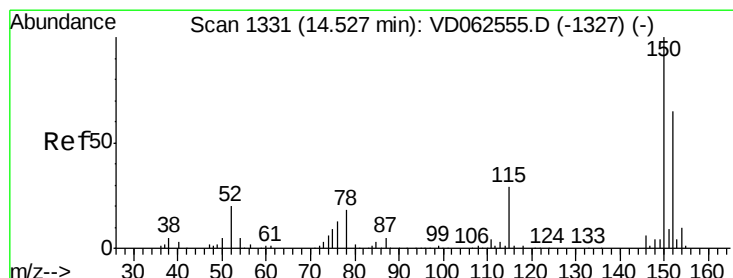
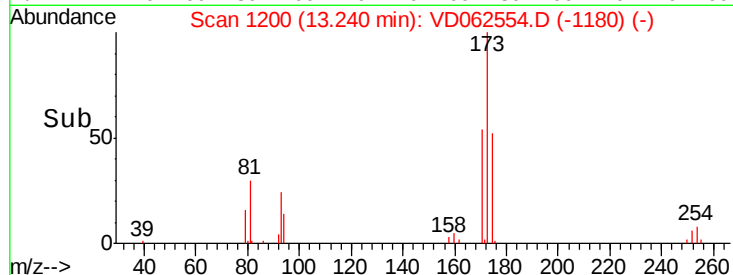
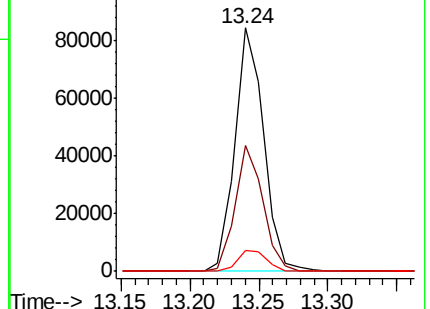
254 8.5 8.1 12.1



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.53 min Scan# 1331

Delta R.T. 0.00 min

Lab File: VD062554.D

Acq: 30 May 2019 15:27

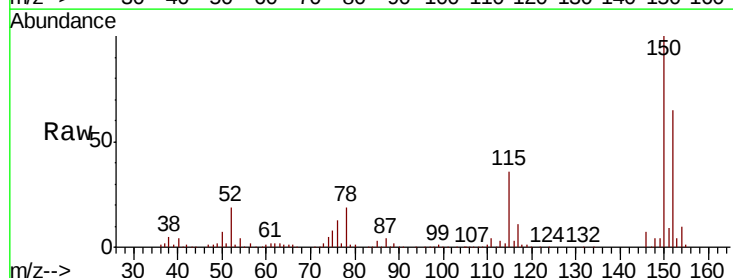
Tgt Ion:152 Resp: 530220

Ion Ratio Lower Upper

152 100

115 55.2 28.4 85.3

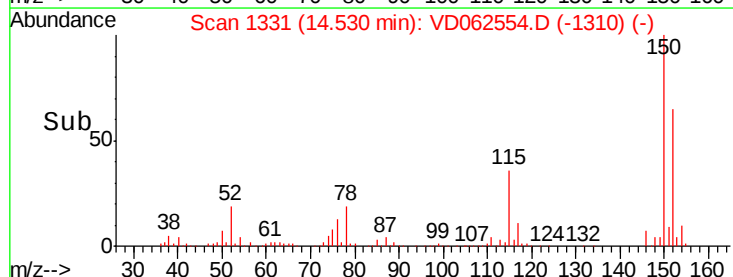
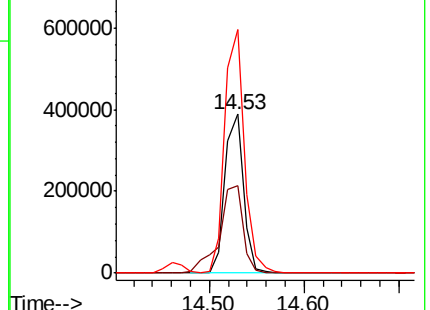
150 153.1 0.0 310.4

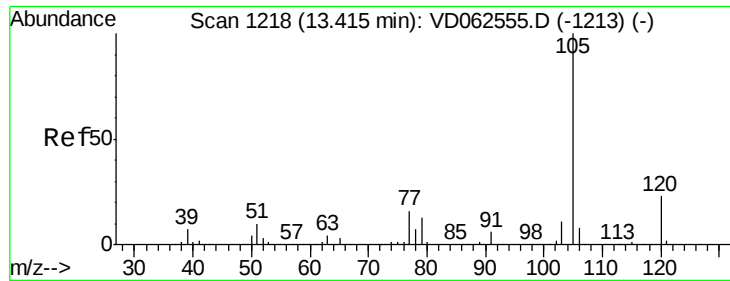


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

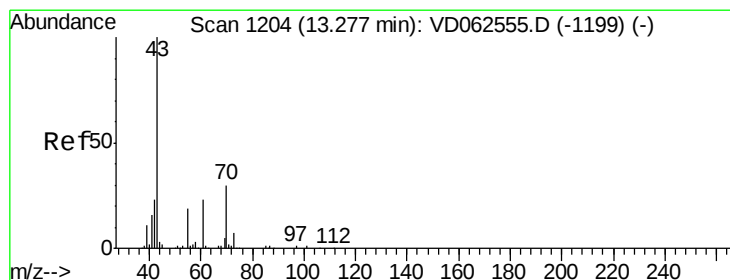
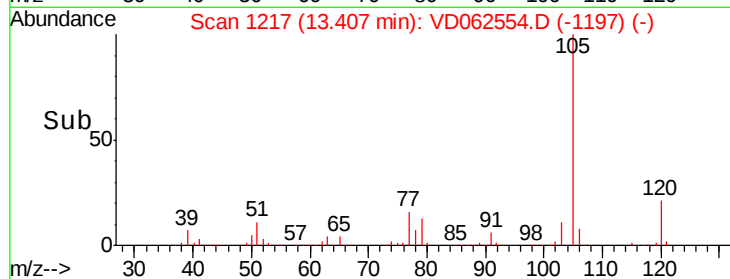
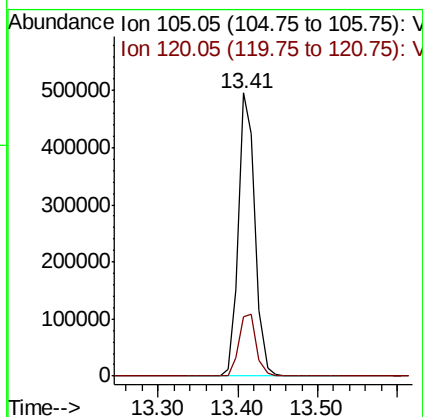
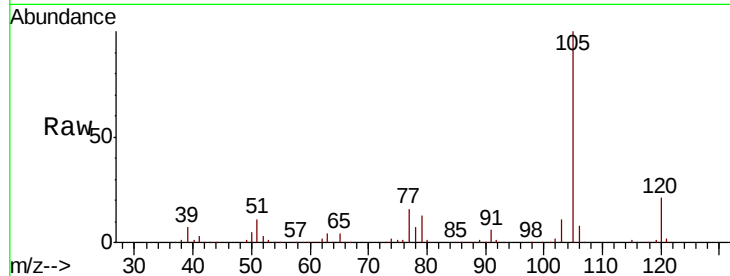
Ion 149.90 (149.60 to 150.60): V





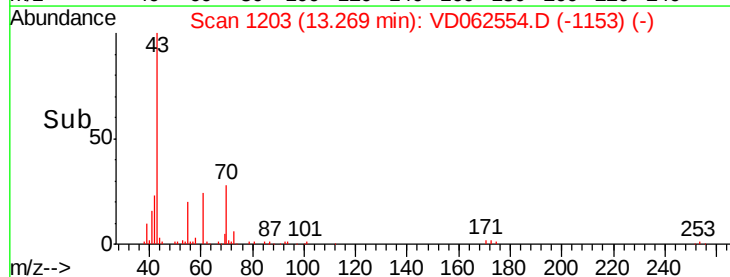
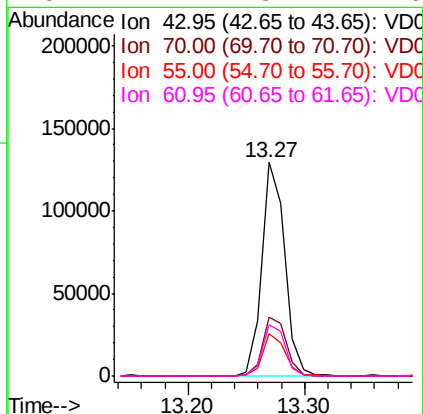
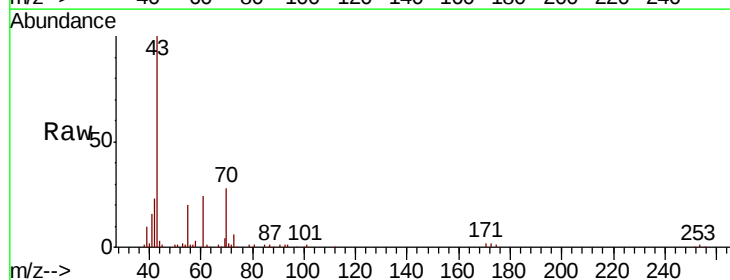
#73
Isopropylbenzene
Concen: 20.544 ug/l
RT: 13.41 min Scan# 1217
Delta R.T. -0.01 min
Lab File: VD062554.D
Acq: 30 May 2019 15:27

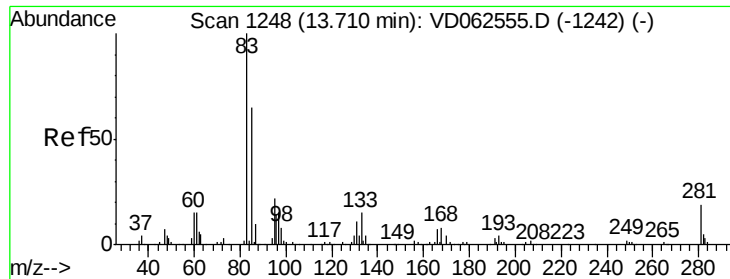
Tot Ion:105 Resp: 724260
Ion Ratio Lower Upper
105 100
120 20.8 11.6 34.8



#74
N-ethyl acetate
Concen: 19.464 ug/l
RT: 13.27 min Scan# 1203
Delta R.T. -0.01 min
Lab File: VD062554.D
Acq: 30 May 2019 15:27

Tgt Ion: 43 Resp: 176289
Ion Ratio Lower Upper
43 100
70 27.6 23.7 35.5
55 19.6 15.0 22.4
61 24.1 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 19.585 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.01 min

Lab File: VD062554.D

Acq: 30 May 2019 15:27

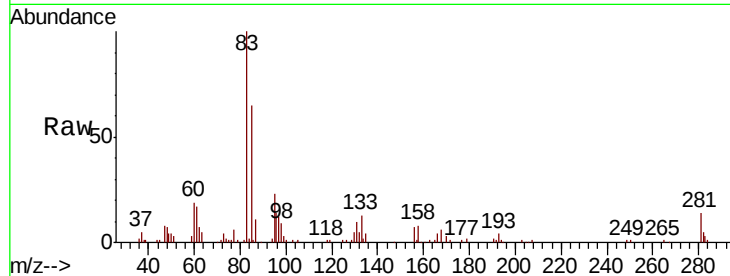
Tot Ion: 83 Resp: 113151

Ion	Ratio	Lower	Upper
83	100		
131	10.4	5.7	17.1
85	65.2	32.6	97.8

83 100

131 10.4 5.7 17.1

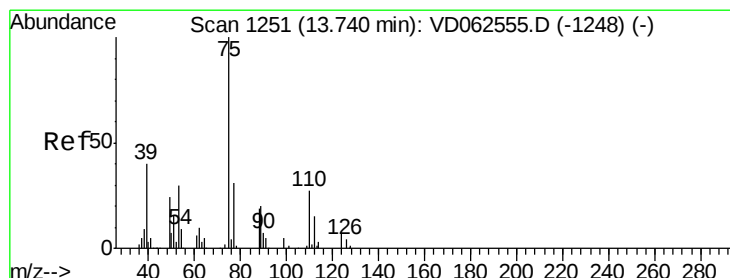
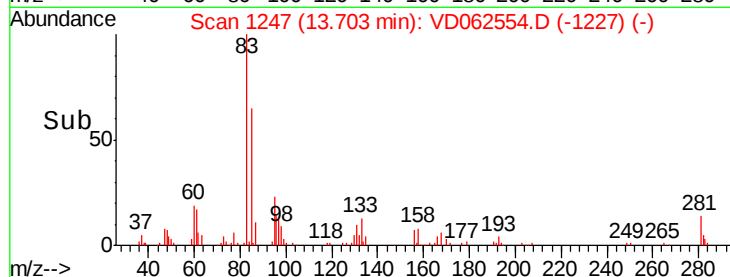
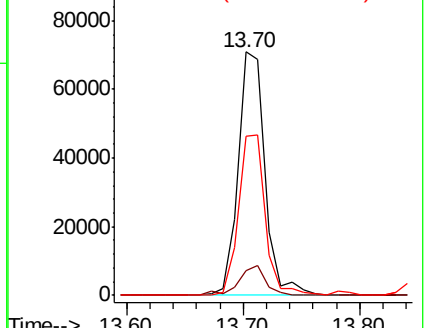
85 65.2 32.6 97.8



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: 18.880 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VD062554.D

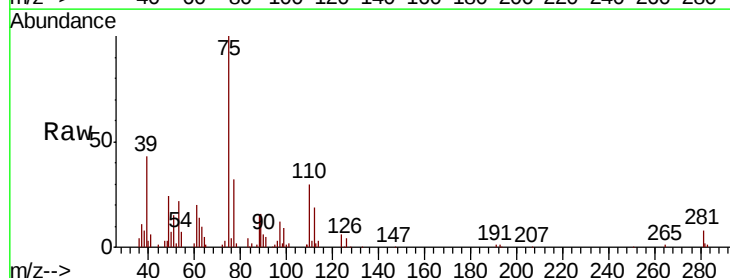
Acq: 30 May 2019 15:27

Tgt Ion: 75 Resp: 126396

Ion	Ratio	Lower	Upper
75	100		
77	31.9	16.5	49.5

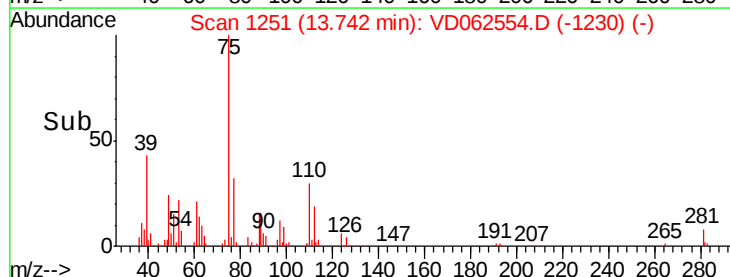
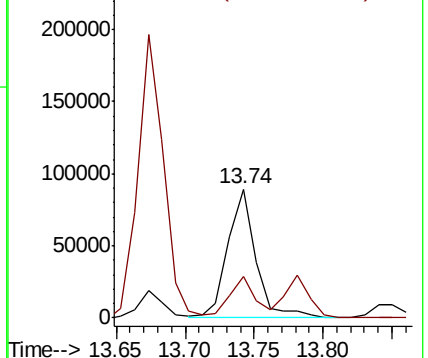
75 100

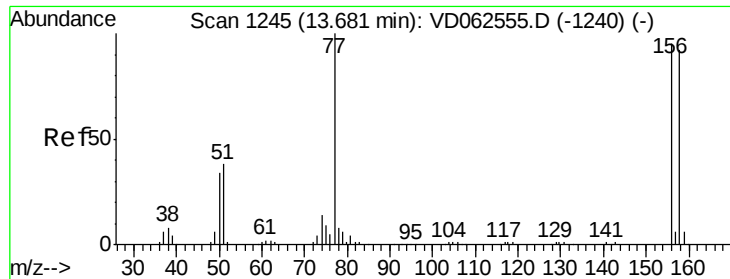
77 31.9 16.5 49.5



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 20.385 ug/l

RT: 13.68 min Scan# 1245

Delta R.T. 0.00 min

Lab File: VD062554.D

Acq: 30 May 2019 15:27

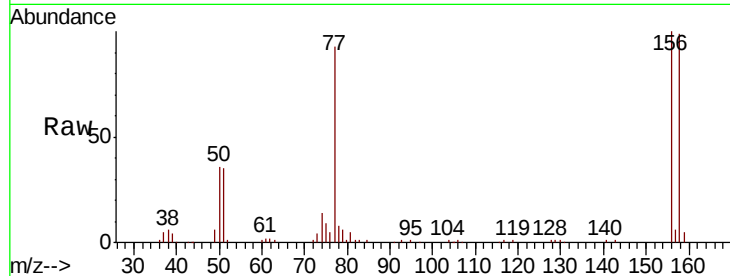
Tot Ion:156 Resp: 201169

Ion Ratio Lower Upper

156 100

77 93.4 52.9 158.7

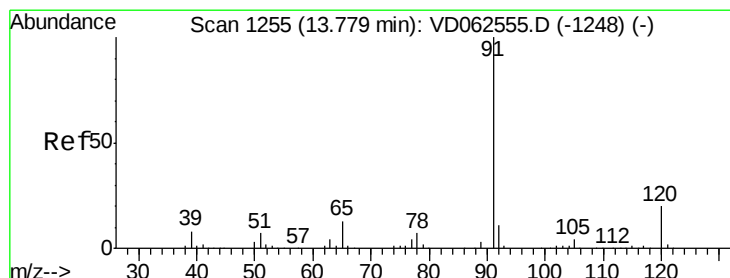
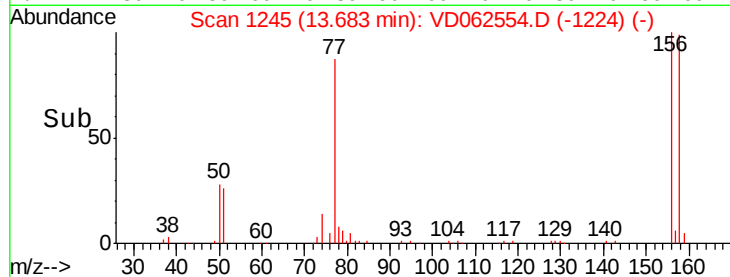
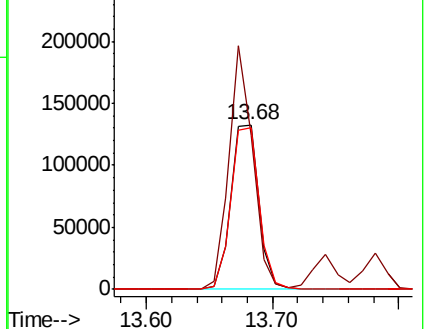
158 98.8 48.5 145.5



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: 20.133 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VD062554.D

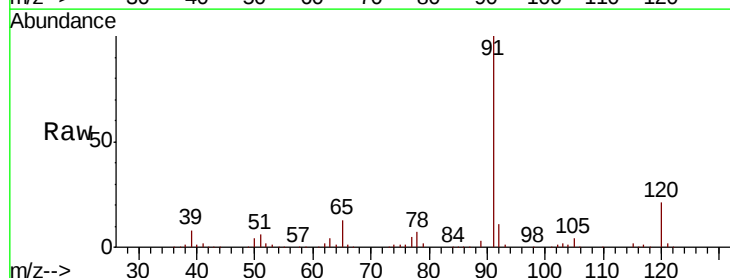
Acq: 30 May 2019 15:27

Tgt Ion: 91 Resp: 827098

Ion Ratio Lower Upper

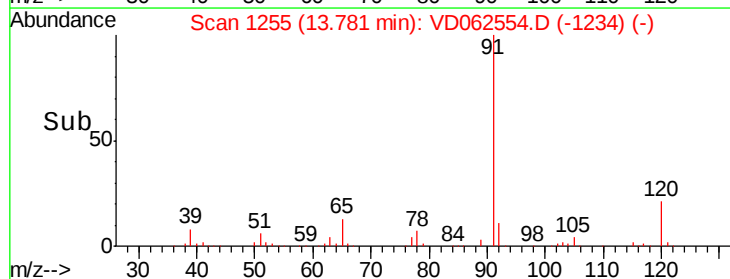
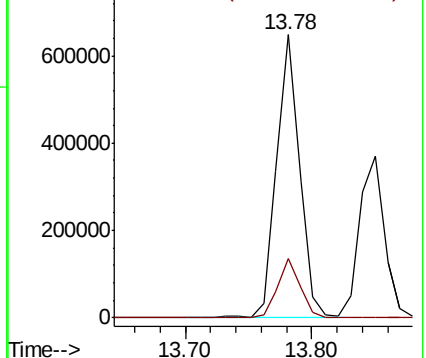
91 100

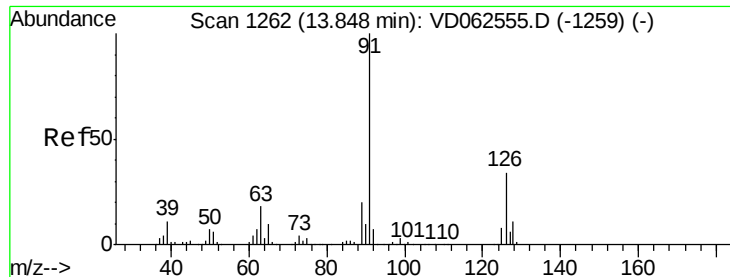
120 21.0 10.0 29.8



Abundance Ion 91.00 (90.70 to 91.70): V

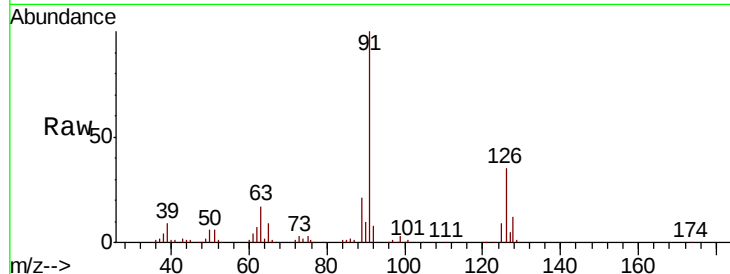
Ion 120.05 (119.75 to 120.75): V



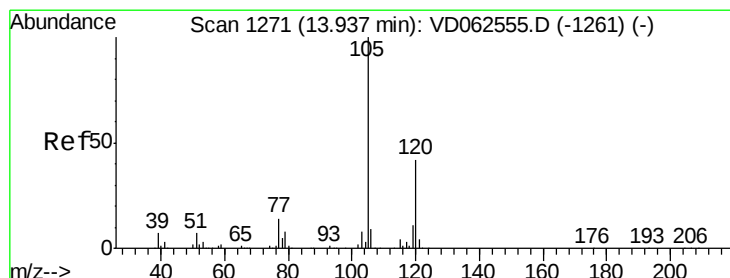
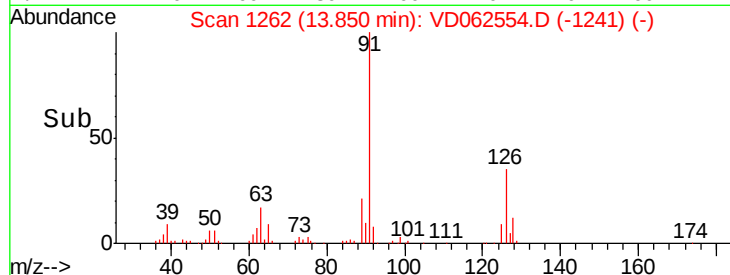
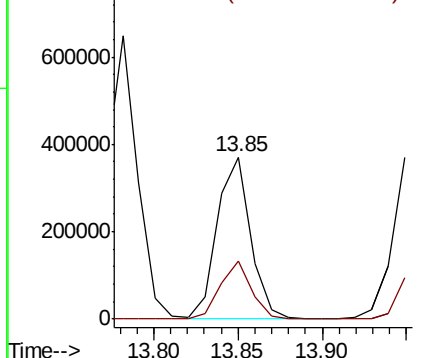


#79
 2-Chlorotoluene
 Concen: 21.191 ug/l
 RT: 13.85 min Scan# 1262
 Delta R.T. 0.00 min
 Lab File: VD062554.D
 Acq: 30 May 2019 15:27

Tot Ion: 91 Resp: 509679
 Ion Ratio Lower Upper
 91 100
 126 35.5 16.7 50.1

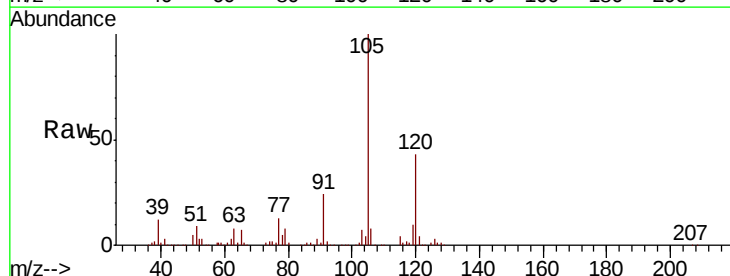


Abundance Ion 91.00 (90.70 to 91.70): VD062555.D (-1259) (-)
 Ion 125.95 (125.65 to 126.65): VD062555.D (-1259) (-)

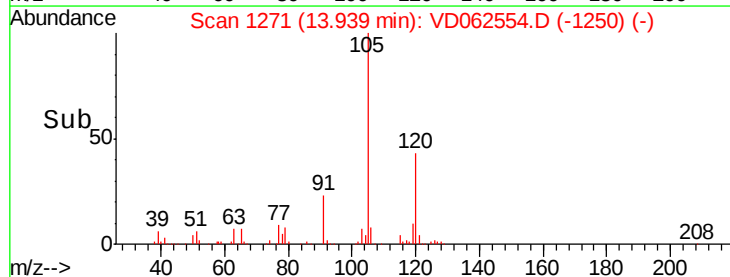
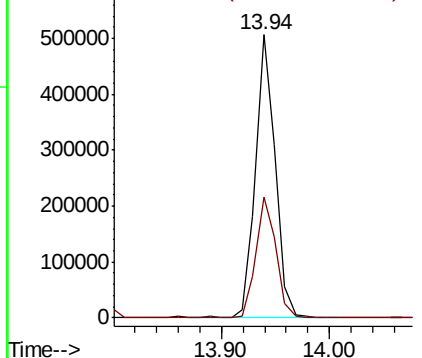


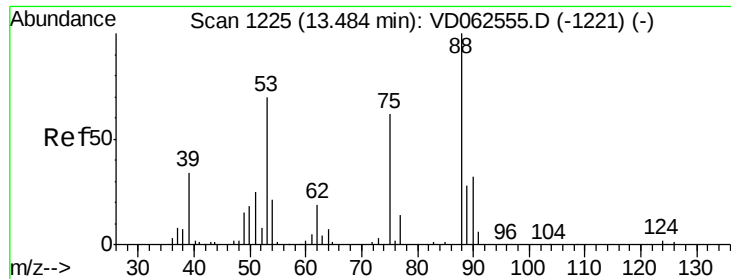
#80
 1,3,5-Trimethylbenzene
 Concen: 20.853 ug/l
 RT: 13.94 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VD062554.D
 Acq: 30 May 2019 15:27

Tgt Ion: 105 Resp: 637654
 Ion Ratio Lower Upper
 105 100
 120 42.7 20.8 62.5



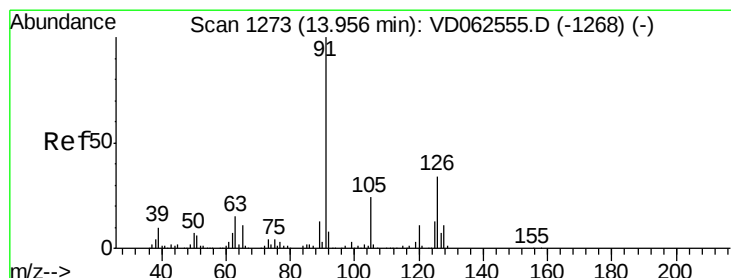
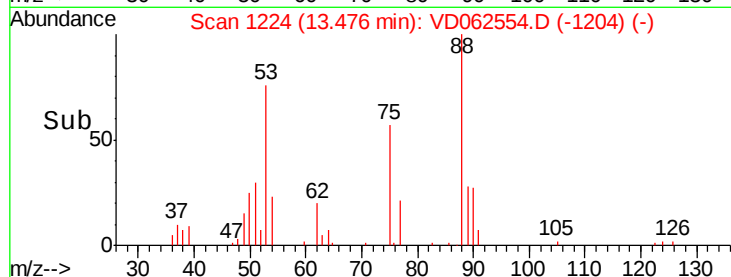
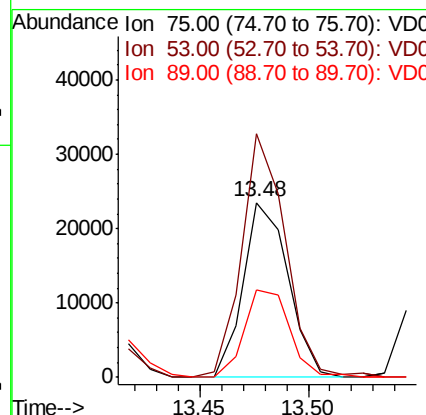
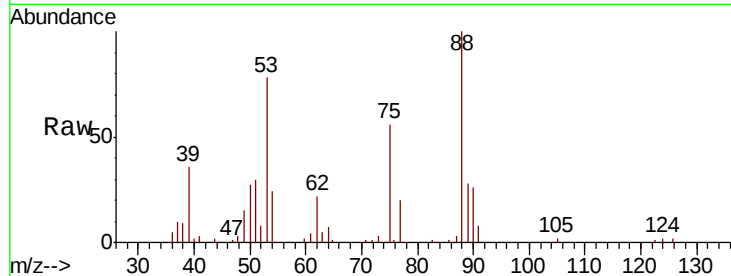
Abundance Ion 105.05 (104.75 to 105.75): VD062555.D (-1261) (-)
 Ion 120.05 (119.75 to 120.75): VD062555.D (-1261) (-)





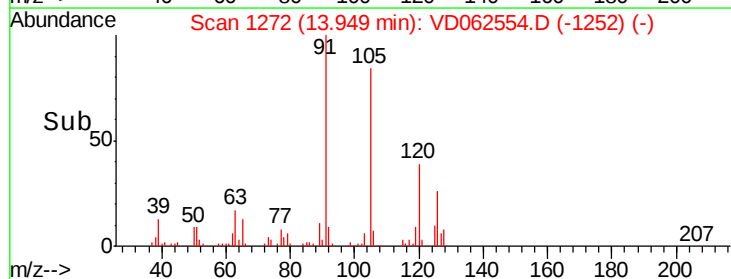
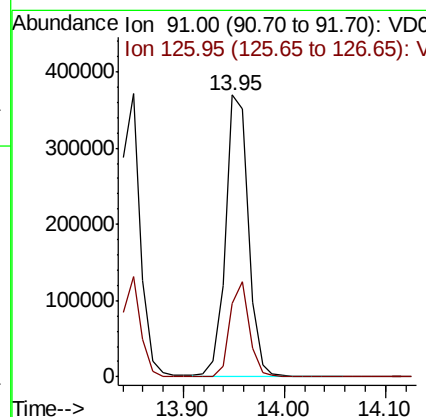
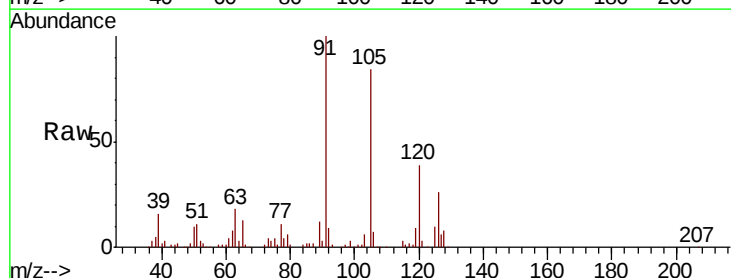
#81
trans-1,4-Dichloro-2-butene
Concen: 18.748 ug/l
RT: 13.48 min Scan# 1224
Delta R.T. -0.01 min
Lab File: VD062554.D
Acq: 30 May 2019 15:27

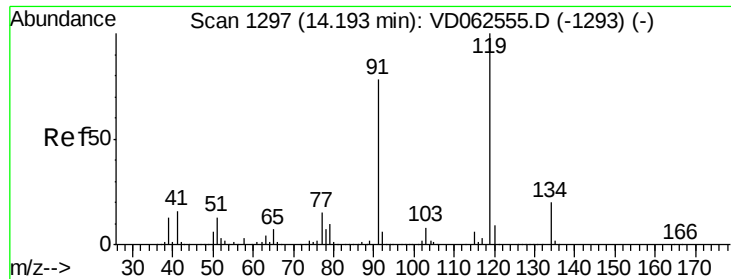
Tot Ion: 75 Resp: 33956
Ion Ratio Lower Upper
75 100
53 139.5 91.0 136.4#
89 49.9 36.9 55.3



#82
4-Chlorotoluene
Concen: 20.094 ug/l
RT: 13.95 min Scan# 1272
Delta R.T. -0.01 min
Lab File: VD062554.D
Acq: 30 May 2019 15:27

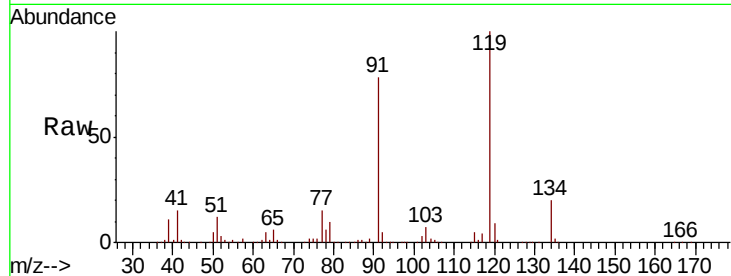
Tgt Ion: 91 Resp: 581173
Ion Ratio Lower Upper
91 100
126 26.0 16.9 50.7



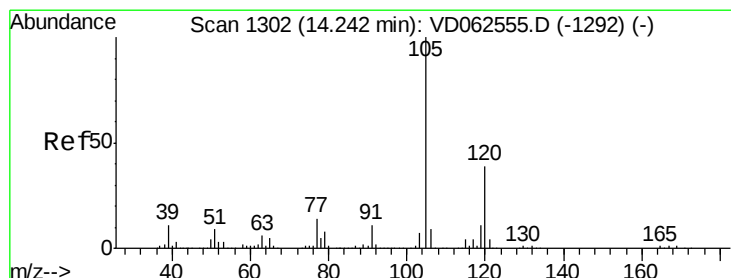
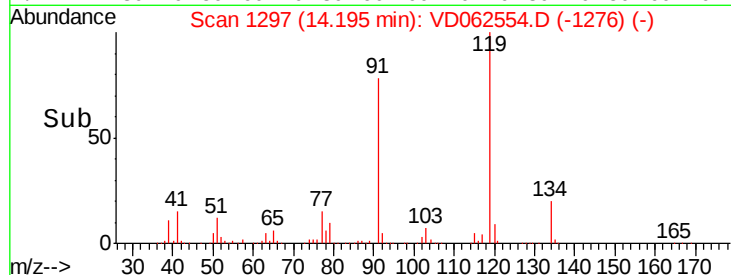
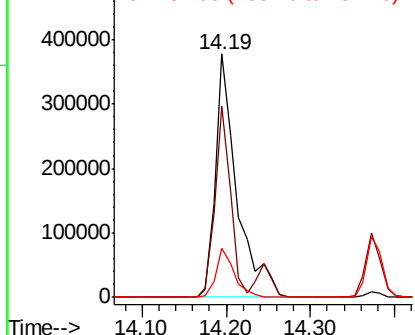


#83
 tert-Butylbenzene
 Concen: 19.828 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. 0.00 min
 Lab File: VD062554.D
 Acq: 30 May 2019 15:27

Tot Ion:119 Resp: 667008
 Ion Ratio Lower Upper
 119 100
 91 78.5 39.1 117.5
 134 20.0 10.1 30.3

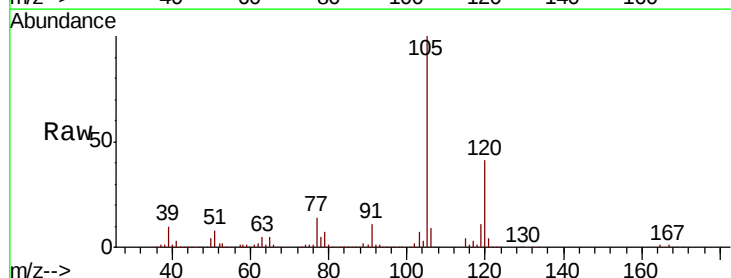


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

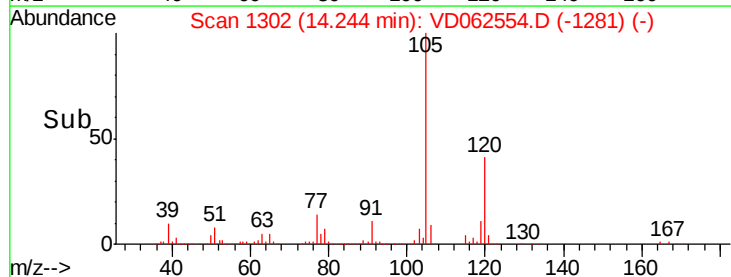
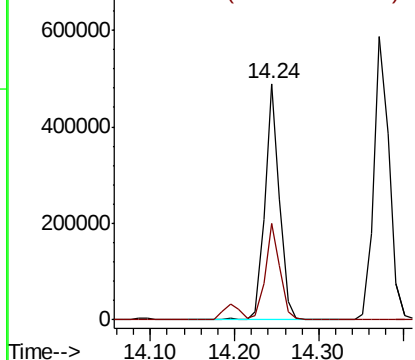


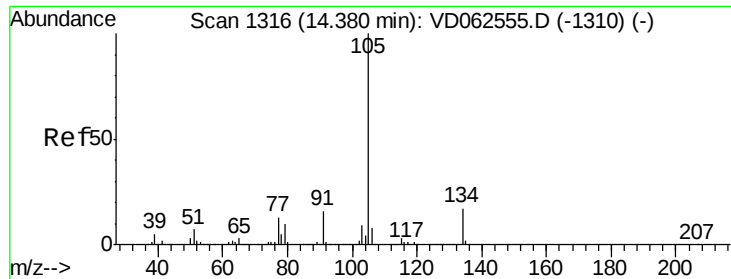
#84
 1,2,4-Trimethylbenzene
 Concen: 19.719 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. 0.00 min
 Lab File: VD062554.D
 Acq: 30 May 2019 15:27

Tgt Ion:105 Resp: 602854
 Ion Ratio Lower Upper
 105 100
 120 41.1 19.6 58.8



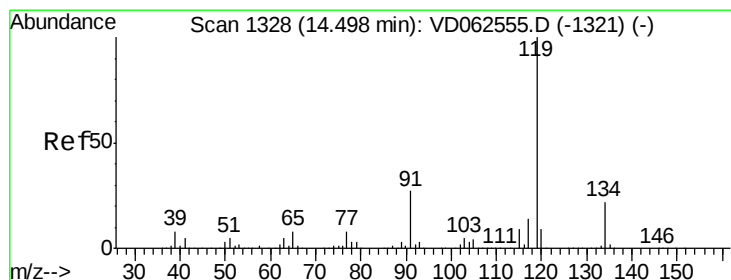
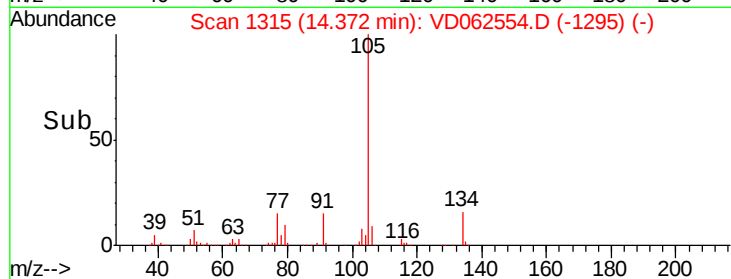
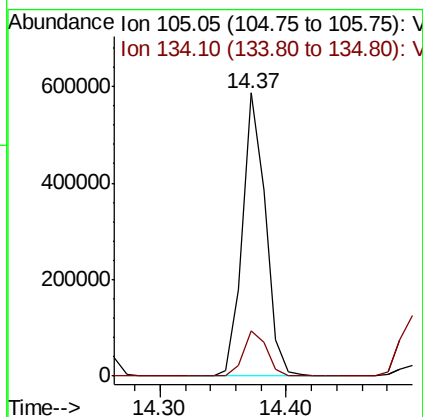
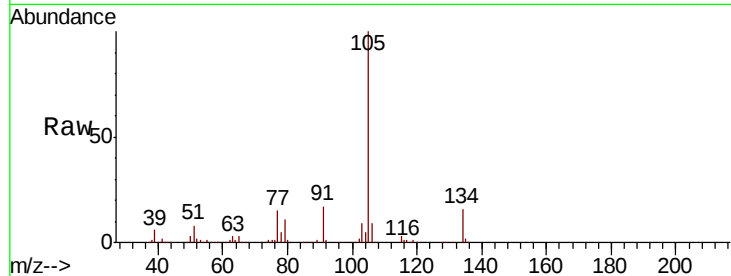
Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 120.05 (119.75 to 120.75): V





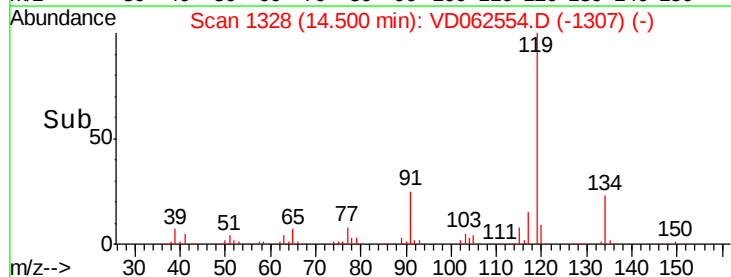
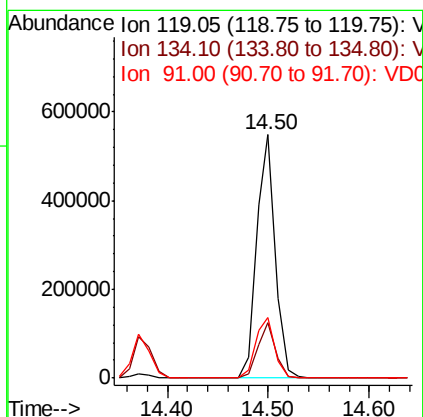
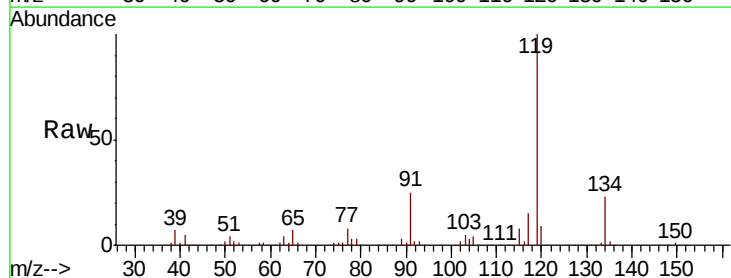
#85
 sec-Butylbenzene
 Concen: 20.641 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VD062554.D
 Acq: 30 May 2019 15:27

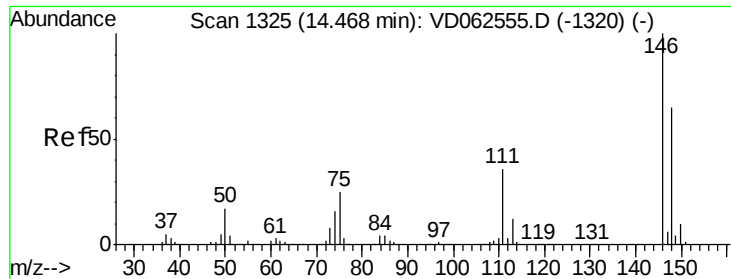
Tot Ion:105 Resp: 740528
 Ion Ratio Lower Upper
 105 100
 134 15.9 8.7 26.1



#86
 p-Isopropyltoluene
 Concen: 20.908 ug/l
 RT: 14.50 min Scan# 1328
 Delta R.T. 0.00 min
 Lab File: VD062554.D
 Acq: 30 May 2019 15:27

Tgt Ion:119 Resp: 705508
 Ion Ratio Lower Upper
 119 100
 134 23.0 11.2 33.6
 91 24.9 13.6 40.7





#87

1,3-Dichlorobenzene

Concen: 20.683 ug/l

RT: 14.46 min Scan# 1324

Delta R.T. -0.01 min

Lab File: VD062554.D

Acq: 30 May 2019 15:27

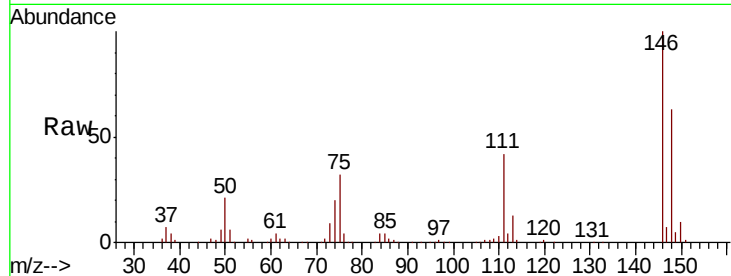
Tot Ion:146 Resp: 356295

Ion Ratio Lower Upper

146 100

111 41.8 18.1 54.4

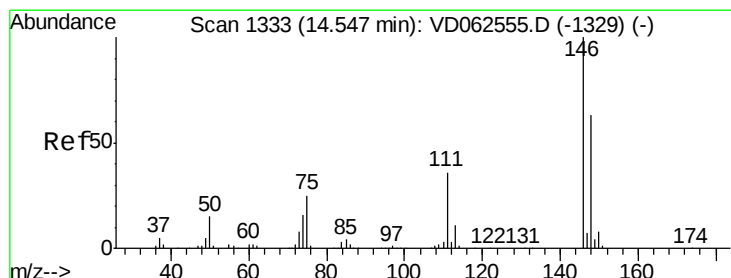
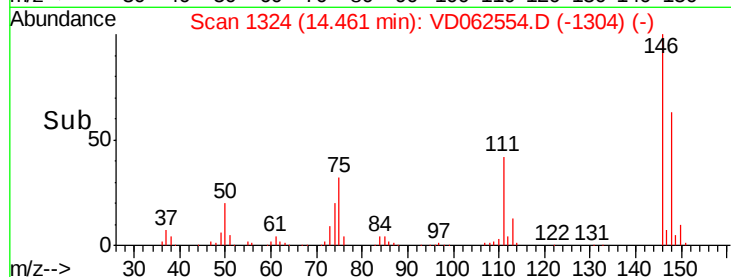
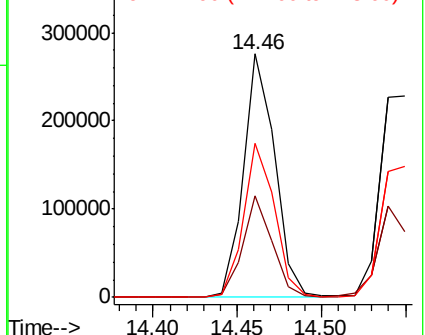
148 63.5 32.3 96.9



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



#88

1,4-Dichlorobenzene

Concen: 19.528 ug/l

RT: 14.55 min Scan# 1333

Delta R.T. 0.00 min

Lab File: VD062554.D

Acq: 30 May 2019 15:27

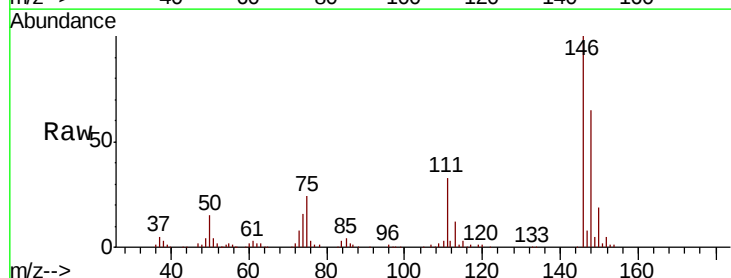
Tgt Ion:146 Resp: 329928

Ion Ratio Lower Upper

146 100

111 32.9 18.2 54.6

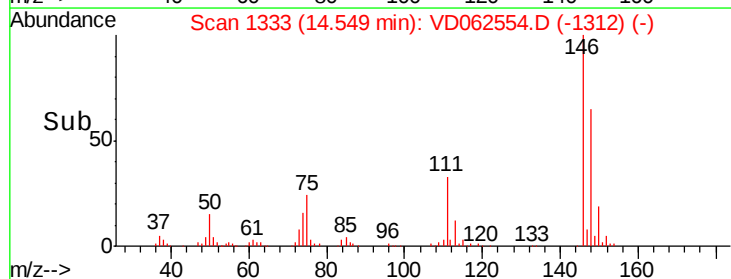
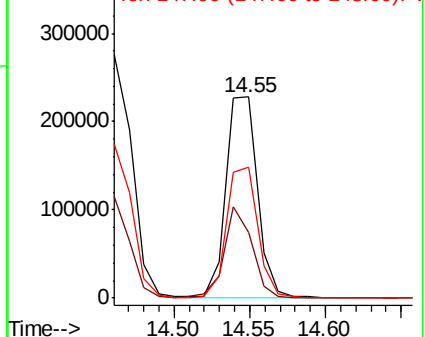
148 65.3 31.6 94.8

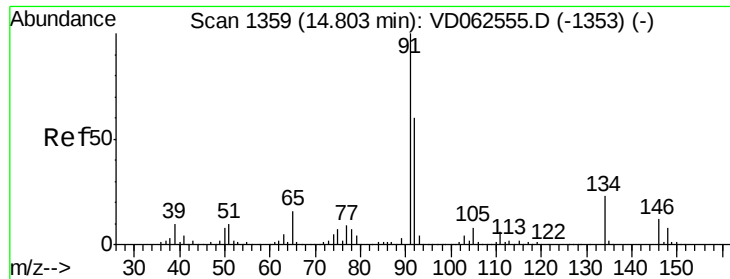


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

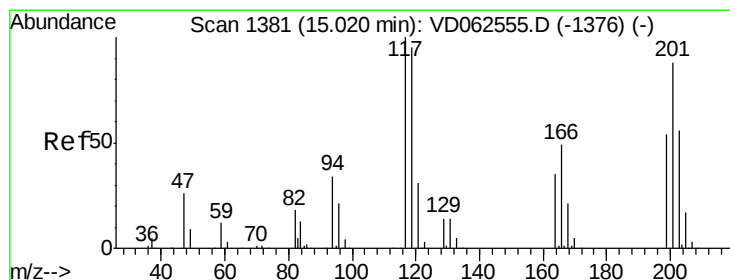
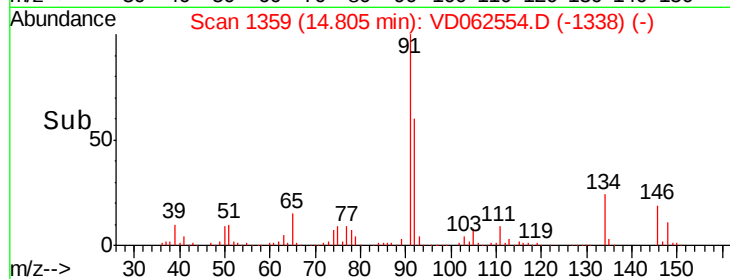
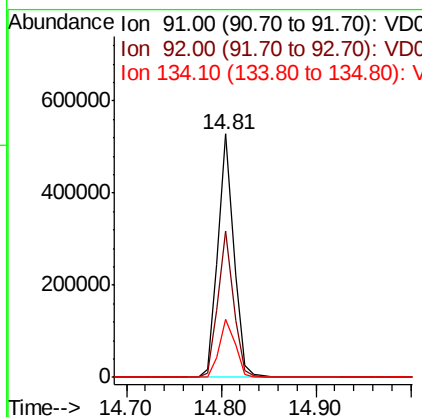
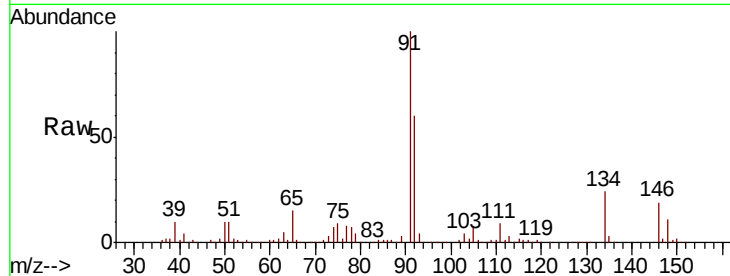
Ion 147.90 (147.60 to 148.60): V





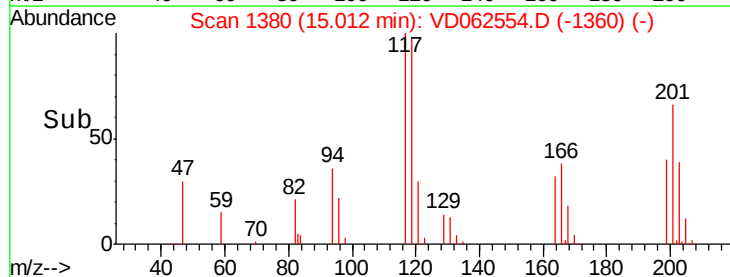
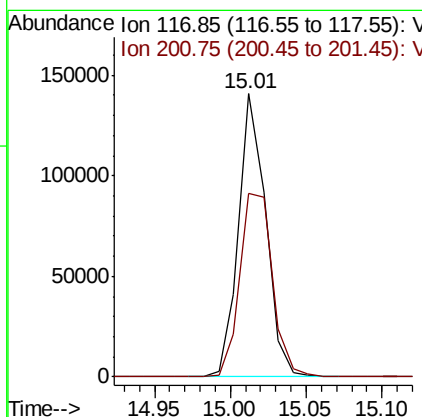
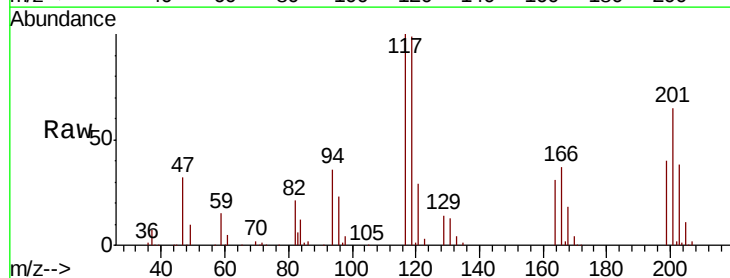
#89
n-Butylbenzene
Concen: 20.309 ug/l
RT: 14.81 min Scan# 1359
Delta R.T. 0.00 min
Lab File: VD062554.D
Acq: 30 May 2019 15:27

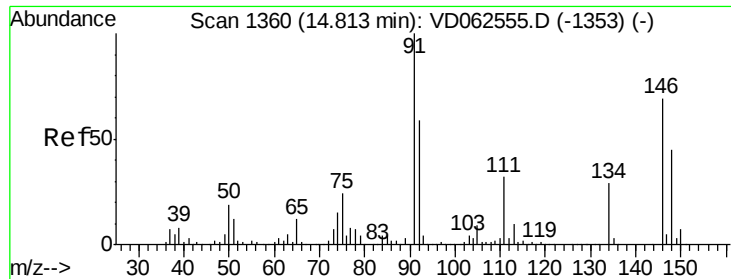
Tot Ion: 91 Resp: 623572
Ion Ratio Lower Upper
91 100
92 60.0 29.8 89.4
134 24.0 11.3 33.8



#90
Hexachloroethane
Concen: 19.511 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. -0.01 min
Lab File: VD062554.D
Acq: 30 May 2019 15:27

Tgt Ion: 117 Resp: 175938
Ion Ratio Lower Upper
117 100
201 64.7 43.8 131.4





#91

1,2-Dichlorobenzene

Concen: 20.122 ug/l

RT: 14.82 min Scan# 1360

Delta R.T. 0.00 min

Lab File: VD062554.D

Acq: 30 May 2019 15:27

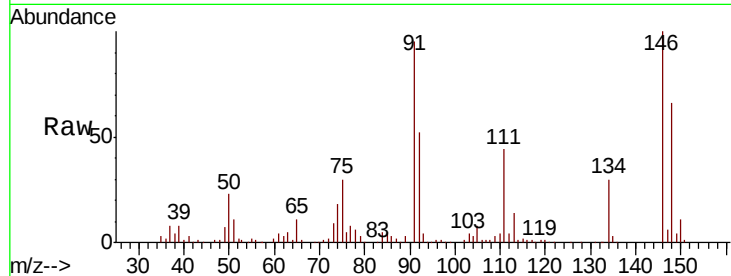
Tot Ion:146 Resp: 295298

Ion Ratio Lower Upper

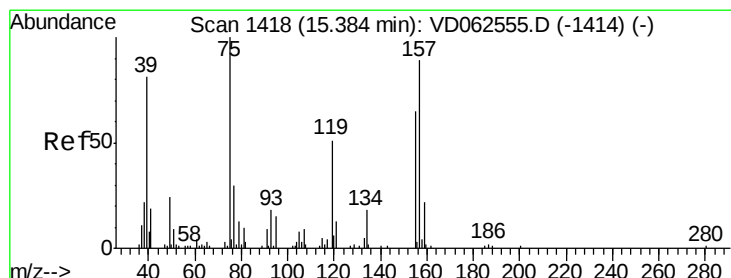
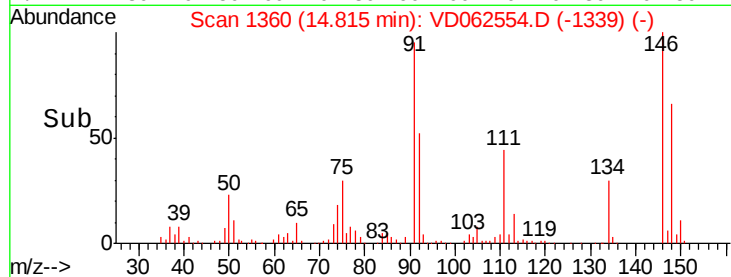
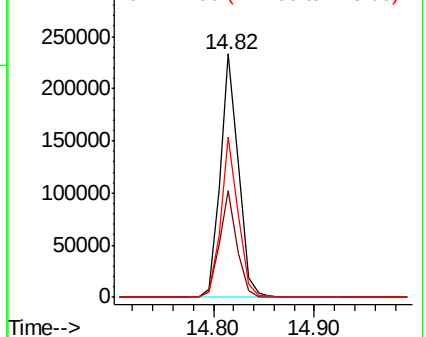
146 100

111 43.9 22.8 68.4

148 66.1 32.3 96.9



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: 18.198 ug/l

RT: 15.39 min Scan# 1418

Delta R.T. 0.00 min

Lab File: VD062554.D

Acq: 30 May 2019 15:27

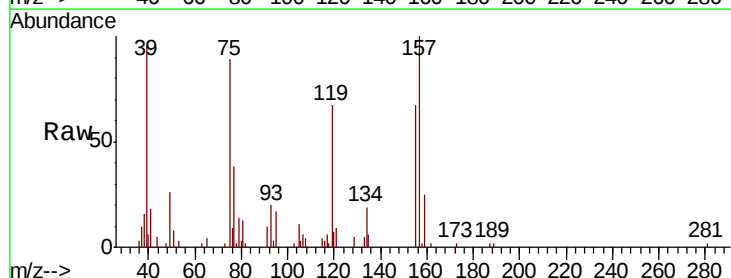
Tgt Ion: 75 Resp: 21333

Ion Ratio Lower Upper

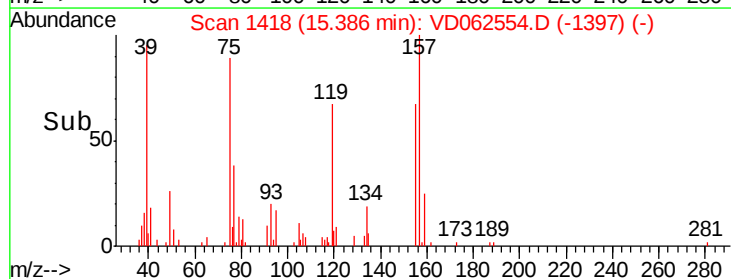
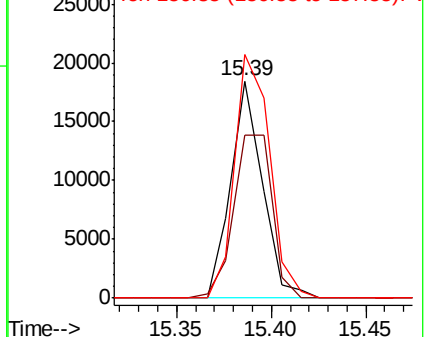
75 100

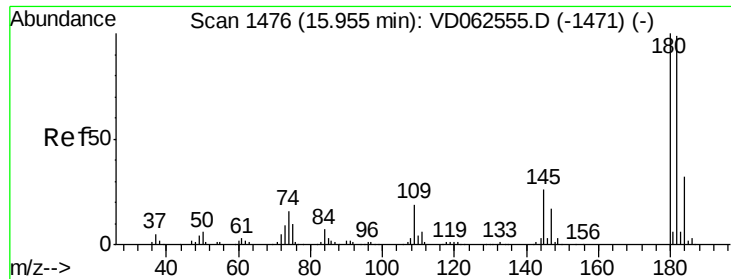
155 74.8 32.6 97.8

157 112.0 44.5 133.7



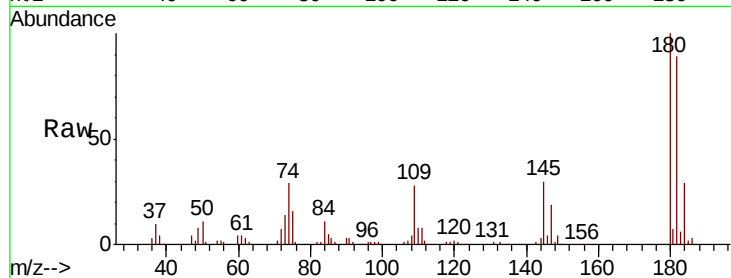
Abundance Ion 75.00 (74.70 to 75.70): V
Ion 154.90 (154.60 to 155.60): V
Ion 156.85 (156.55 to 157.55): V



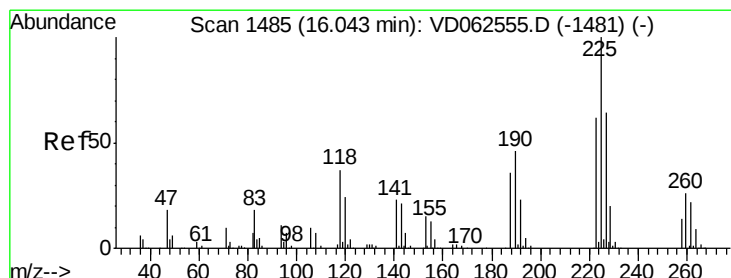
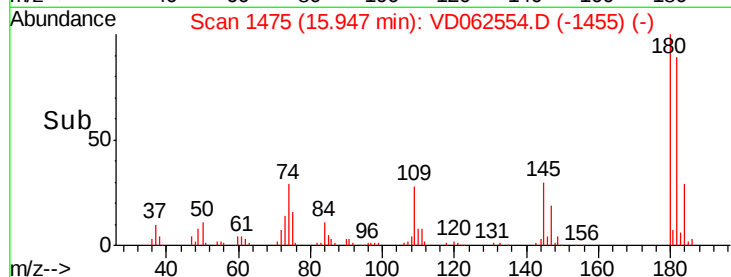
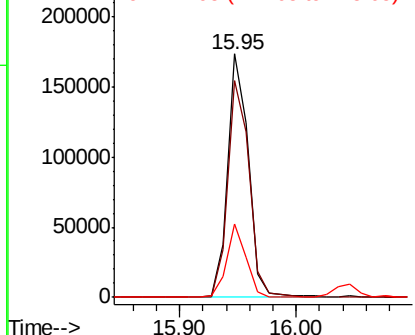


#93
 1,2,4-Trichlorobenzene
 Concen: 18.925 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. -0.01 min
 Lab File: VD062554.D
 Acq: 30 May 2019 15:27

Tot Ion	Ratio	Lower	Upper
180	100		
182	88.8	49.5	148.3
145	30.0	13.1	39.3

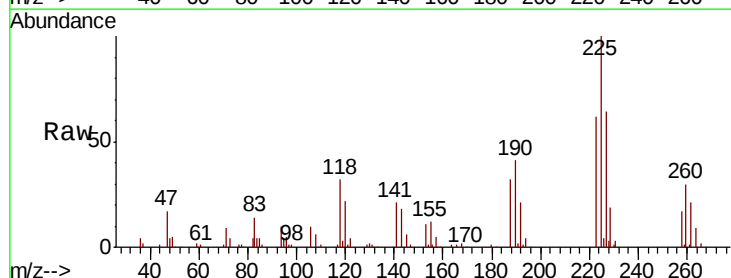


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

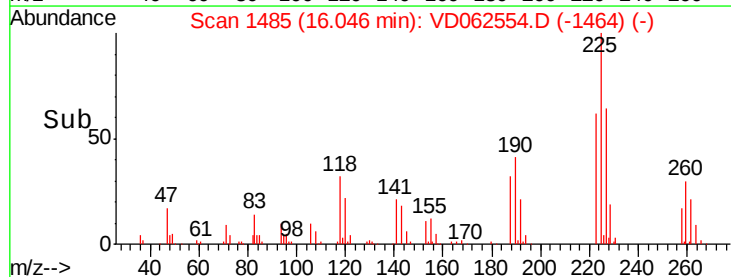
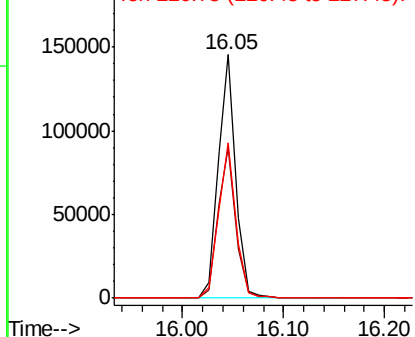


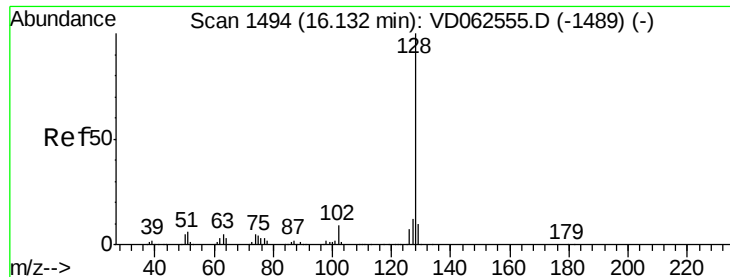
#94
 Hexachlorobutadiene
 Concen: 21.230 ug/l
 RT: 16.05 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VD062554.D
 Acq: 30 May 2019 15:27

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.6	31.1	93.5
227	63.7	32.1	96.5



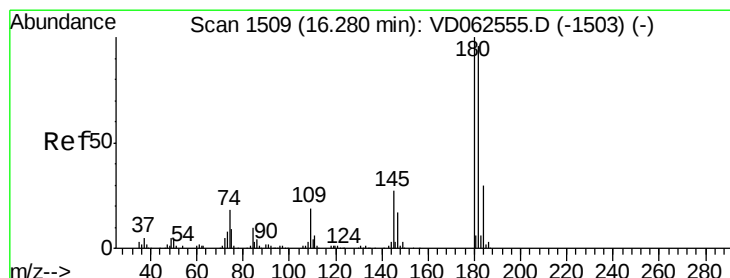
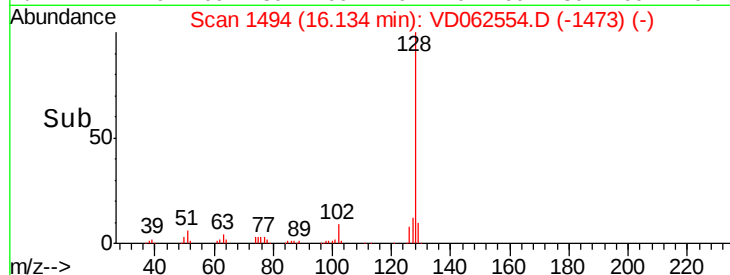
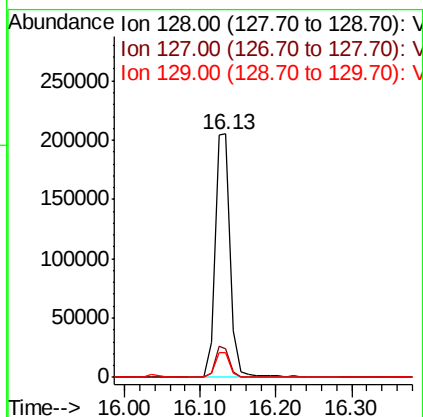
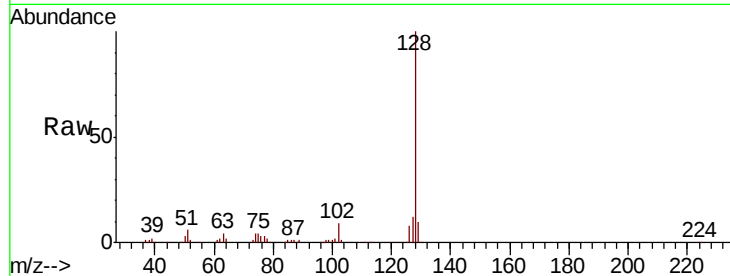
Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V





#95
Naphthalene
Concen: 18.308 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VD062554.D
Acq: 30 May 2019 15:27

Tot Ion:128 Resp: 292889
Ion Ratio Lower Upper
128 100
127 11.5 9.7 14.5
129 10.2 8.2 12.2



#96
1,2,3-Trichlorobenzene
Concen: 19.375 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.01 min
Lab File: VD062554.D
Acq: 30 May 2019 15:27

Tgt Ion:180 Resp: 165561
Ion Ratio Lower Upper
180 100
182 93.8 48.1 144.3
145 32.0 13.3 39.9

