

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD052219\
 Data File : VD062505.D
 Acq On : 22 May 2019 16:21
 Operator : VA/AP
 Sample : K2996-04
 Misc : 5.91g/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P-3(0.5-1.0)

Quant Time: May 23 03:14:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 03:32:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	23393	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.20	114	35064	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.35	117	31911	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.51	152	15713	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.43	65	14729	58.82	ug/l	-0.03
Spiked Amount			Recovery	=	117.64%	
35) Dibromofluoromethane	6.90	113	13420	42.43	ug/l	-0.04
Spiked Amount			Recovery	=	84.86%	
50) Toluene-d8	10.40	98	30939	44.69	ug/l	-0.03
Spiked Amount			Recovery	=	89.38%	
62) 4-Bromofluorobenzene	13.54	95	15500	51.19	ug/l	-0.02
Spiked Amount			Recovery	=	102.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.00	56	229	23.858	ug/l #	1
14) Allyl chloride	3.67	41	3995	15.640	ug/l #	61
15) Acrylonitrile	4.22	53	12635	477.056	ug/l #	37
16) Acetone	3.18	43	15977	356.054	ug/l #	50
20) Methylene Chloride	3.92	84	10973	58.359	ug/l #	13
23) Vinyl Acetate	5.04	43	3579	10.894	ug/l #	77
24) 1,1-Dichloroethane	5.04	63	1167	3.333	ug/l #	85
25) 2-Butanone	6.04	43	819	17.451	ug/l #	56
29) Tetrahydrofuran	6.63	42	4526	201.925	ug/l #	1
30) Chloroform	6.60	83	23598	52.860	ug/l #	26
31) Cyclohexane	6.95	56	95158	402.472	ug/l #	52
36) 1,1-Dichloropropene	7.03	75	1479	4.412	ug/l #	40
37) Ethyl Acetate	6.31	43	488	3.747	ug/l #	22
38) Carbon Tetrachloride	7.02	117	2046	4.107	ug/l #	12
39) Methylcyclohexane	8.85	83	80445	290.937	ug/l	91
40) Benzene	7.44	78	4226	6.427	ug/l #	51
41) Methacrylonitrile	6.45	41	7421	45.371	ug/l #	65
43) Isopropyl Acetate	9.26	43	12670	73.335	ug/l #	43
45) 1,2-Dichloropropane	8.91	63	262	1.635	ug/l #	45
46) Dibromomethane	8.91	93	213	1.466	ug/l #	1
47) Bromodichloromethane	9.36	83	27286	73.840	ug/l #	26
48) Methyl methacrylate	9.14	41	24818	213.462	ug/l	96
51) 4-Methyl-2-Pentanone	10.35	43	17528	153.573	ug/l #	70
52) Toluene	10.49	92	4208	9.348	ug/l #	70
55) 1,1,2-Trichloroethane	11.08	97	35069	229.858	ug/l #	25
56) Ethyl methacrylate	11.07	69	24210	148.437	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.88	63	537	6.412	ug/l #	46
59) 2-Hexanone	11.47	43	44613	537.826	ug/l #	27
67) Ethyl Benzene	12.51	91	689328	652.159	ug/l	96
68) m/p-Xylenes	12.66	106	622084	1639.568	ug/l	91
69) o-Xylene	13.03	106	6951	19.417	ug/l	92
73) Isopropylbenzene	13.39	105	279506	282.201	ug/l	97
74) N-amyl acetate	13.29	43	11651	47.628	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	13.75	83	1419	7.941	ug/l #	91

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 QLast Update : Tue May 21 03:32:39 2019
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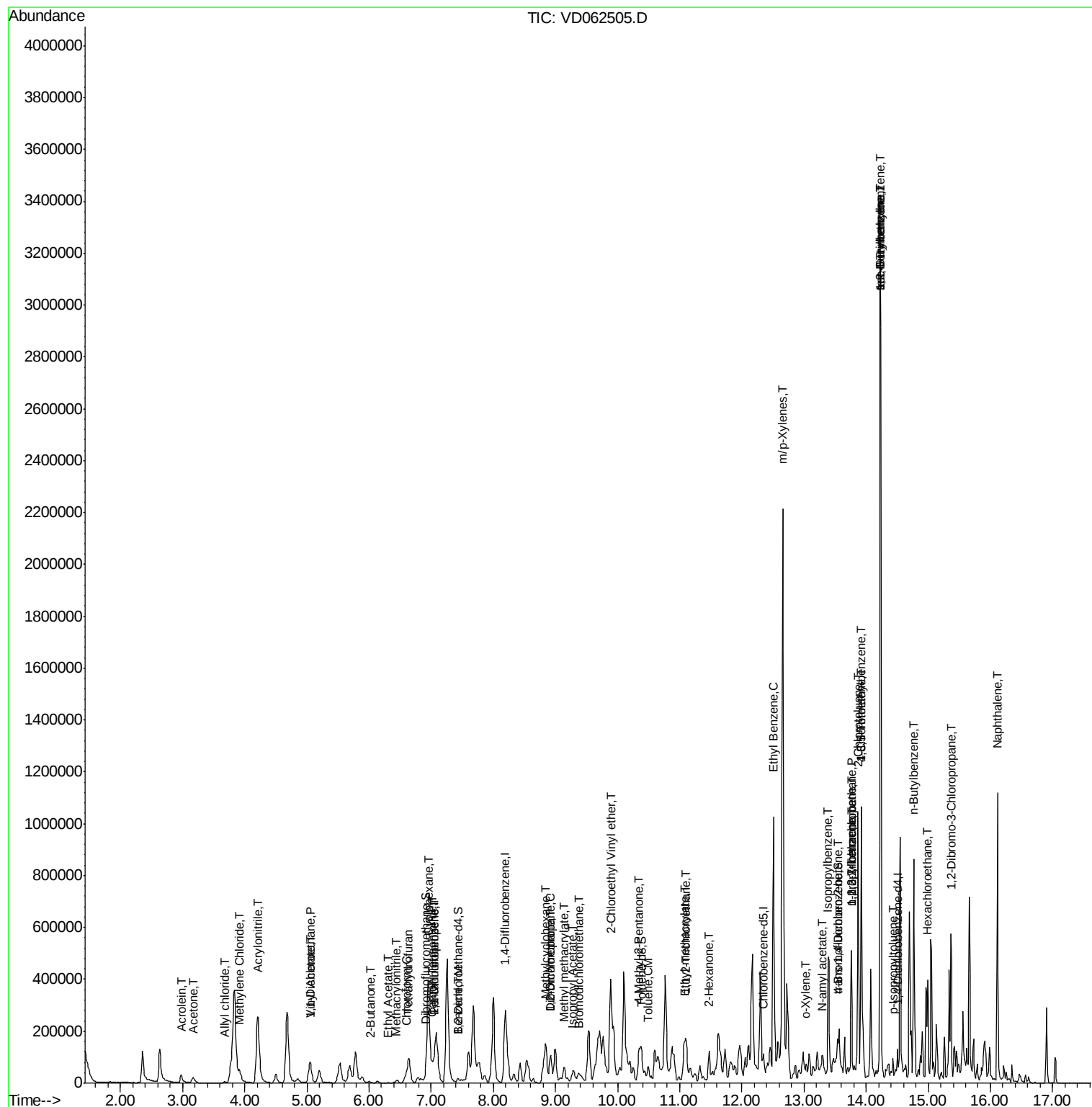
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
76) 1,2,3-Trichloropropane	13.76	75	1368	7.391	ug/l #	1
78) n-propylbenzene	13.76	91	296335	258.296	ug/l	99
79) 2-Chlorotoluene	13.87	91	57545	82.652	ug/l #	38
80) 1,3,5-Trimethylbenzene	13.92	105	493028	574.906	ug/l	94
81) trans-1,4-Dichloro-2-buten	13.54	75	6121	117.265	ug/l #	48
82) 4-Chlorotoluene	13.92	91	55234	68.886	ug/l #	37
83) tert-Butylbenzene	14.22	119	181993	191.318	ug/l #	57
84) 1,2,4-Trimethylbenzene	14.22	105	1633725	1859.163	ug/l	94
85) sec-Butylbenzene	14.22	105	1632258	1645.599	ug/l #	60
86) p-Isopropyltoluene	14.43	119	22483	25.012	ug/l	94
89) n-Butylbenzene	14.77	91	114174	131.614	ug/l #	1
90) Hexachloroethane	14.99	117	29803	119.970	ug/l #	20
92) 1,2-Dibromo-3-Chloropropan	15.37	75	2192	64.629	ug/l #	1
95) Naphthalene	16.11	128	599635	1320.982	ug/l	99

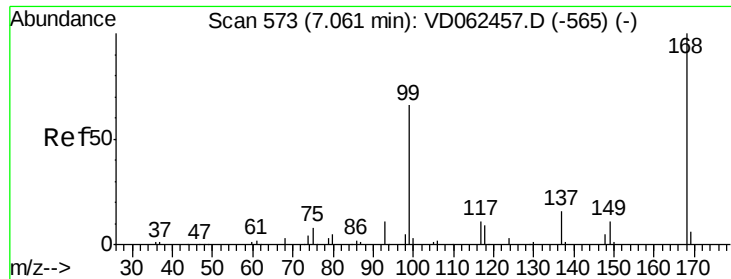
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampled :
P-3(0.5-1.0)

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 570

Delta R.T. -0.03 min

Lab File: VD062505.D

Acq: 22 May 2019 16:21

Instrument :

MSVOA_D

ClientSampleId :

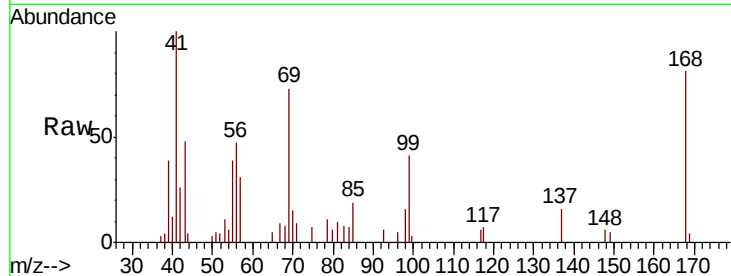
P-3(0.5-1.0)

Tot Ion:168 Resp: 23393

Ion Ratio Lower Upper

168 100

99 51.2 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.03

8000

6000

4000

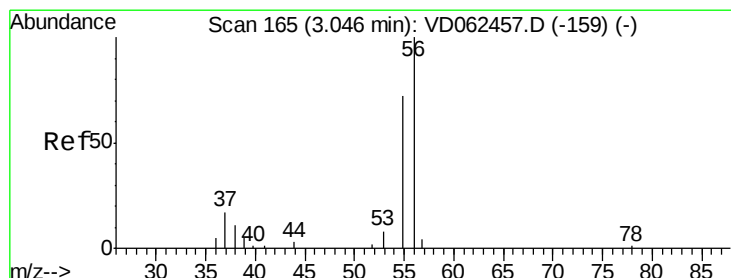
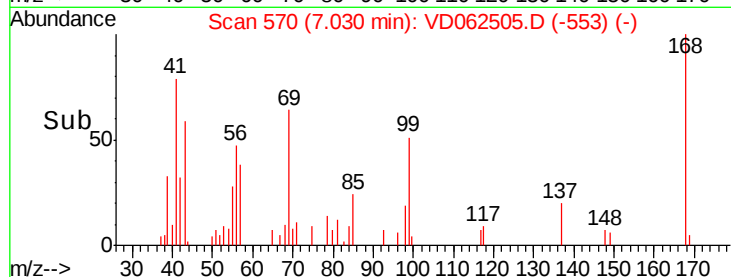
2000

0

7.00

7.10

Time-->



#13

Acrolein

Concen: 23.858 ug/l

RT: 3.00 min Scan# 160

Delta R.T. -0.05 min

Lab File: VD062505.D

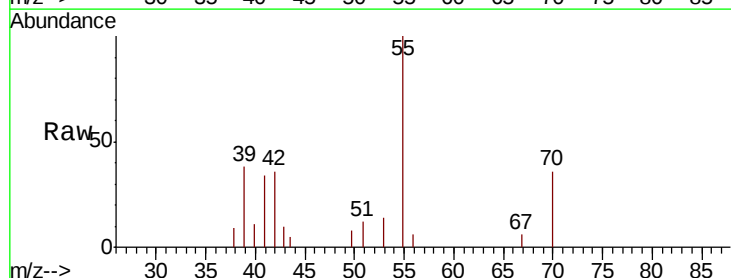
Acq: 22 May 2019 16:21

Tgt Ion: 56 Resp: 229

Ion Ratio Lower Upper

56 100

55 1611.3 51.4 77.2#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

12000

10000

8000

6000

4000

2000

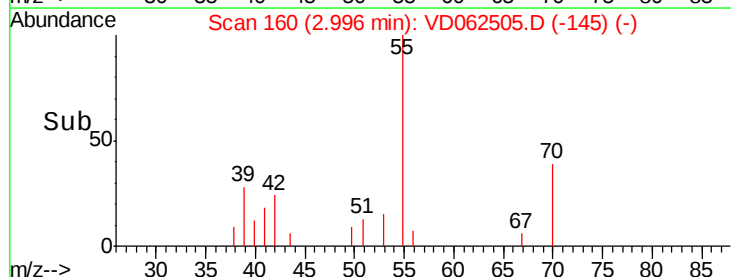
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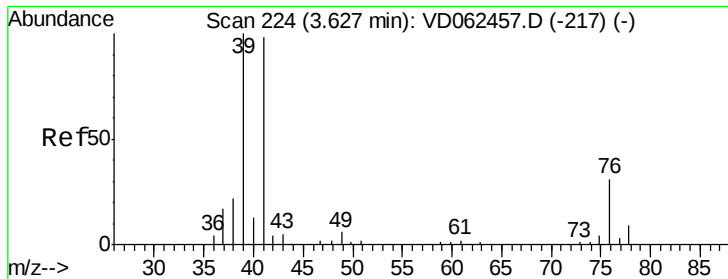
2.98

3.00

3.02

Time-->





#14

Allvl chloride

Concen: 15.640 ug/l

RT: 3.67 min Scan# 229

Delta R.T. 0.05 min

Lab File: VD062505.D

Acq: 22 May 2019 16:21

Instrument :

MSVOA_D

ClientSampleId :

P-3(0.5-1.0)

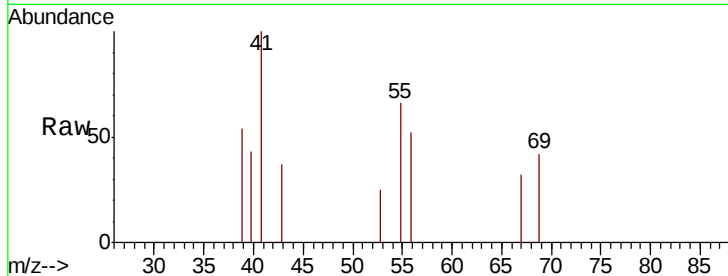
Tot Ion: 41 Resp: 3995

Ion Ratio Lower Upper

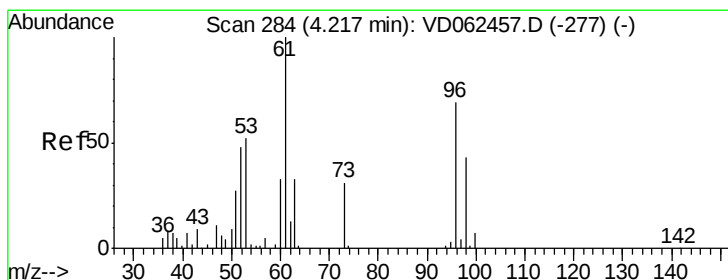
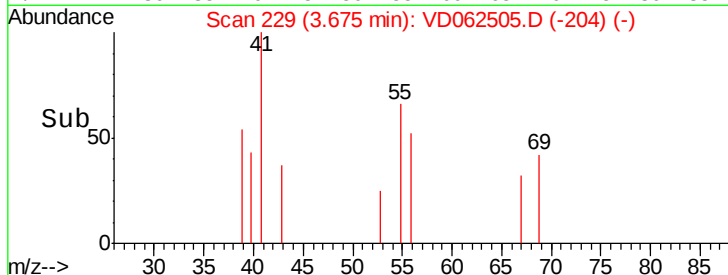
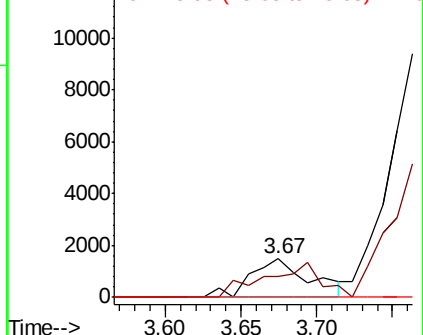
41 100

39 53.8 60.5 90.7#

76 0.0 31.8 47.8#



Abundance Ion 41.05 (40.75 to 41.75): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 75.95 (75.65 to 76.65): VDC



#15

Acrylonitrile

Concen: 477.056 ug/l

RT: 4.22 min Scan# 284

Delta R.T. -0.00 min

Lab File: VD062505.D

Acq: 22 May 2019 16:21

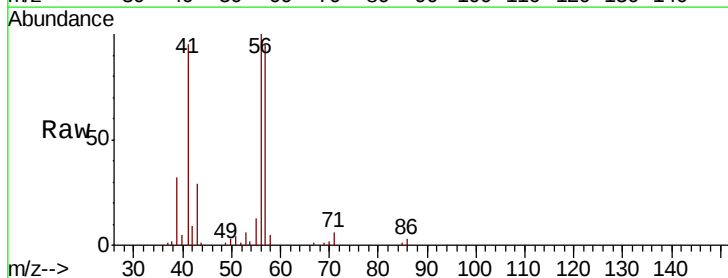
Tgt Ion: 53 Resp: 12635

Ion Ratio Lower Upper

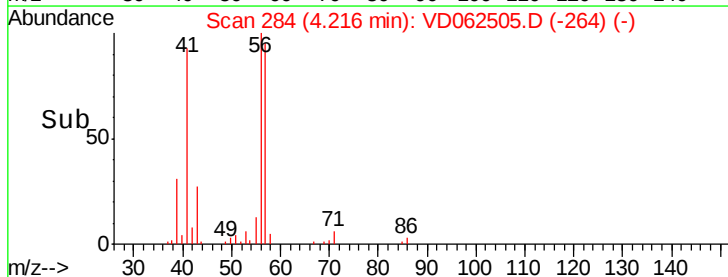
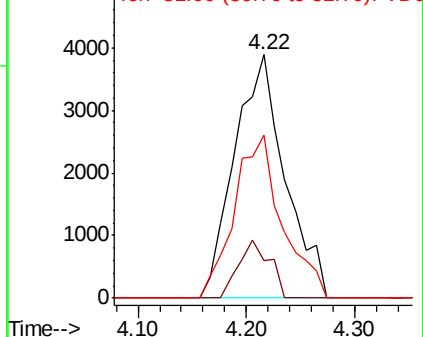
53 100

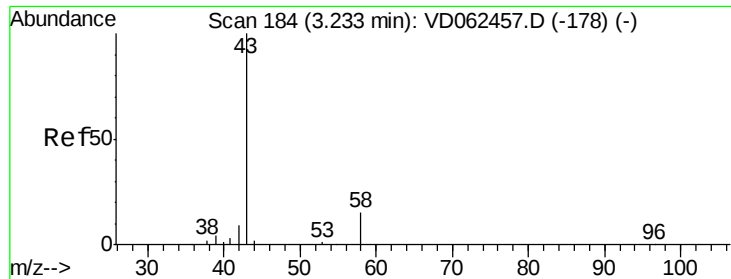
52 15.4 65.0 97.4#

51 66.7 32.6 48.8#



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

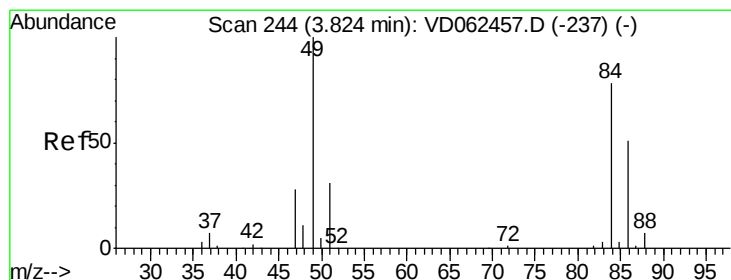
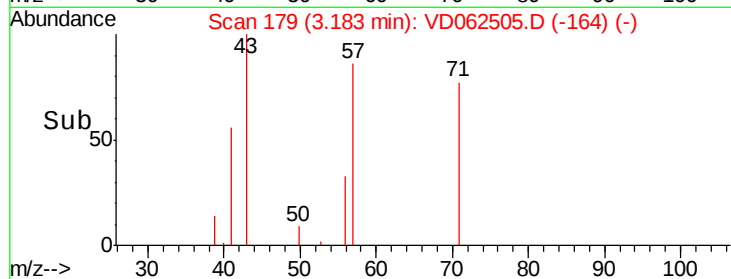
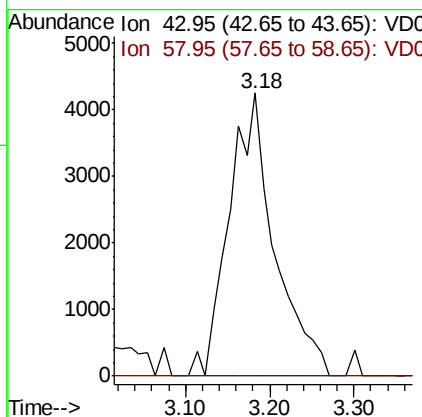
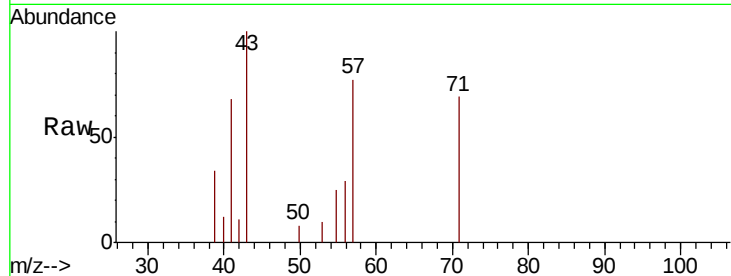




#16
Acetone
Concen: 356.054 ug/l
RT: 3.18 min Scan# 179
Delta R.T. -0.05 min
Lab File: VD062505.D
Acq: 22 May 2019 16:21

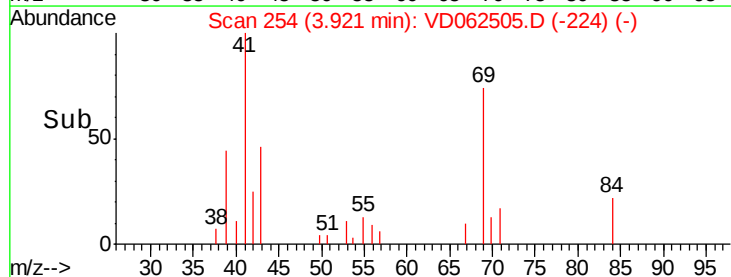
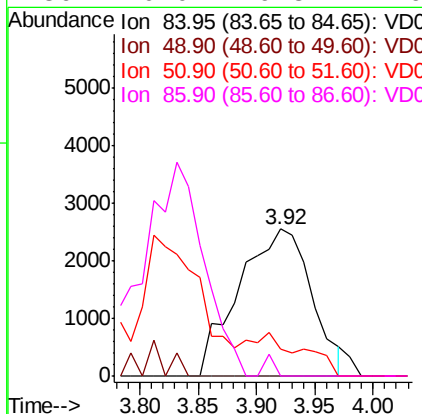
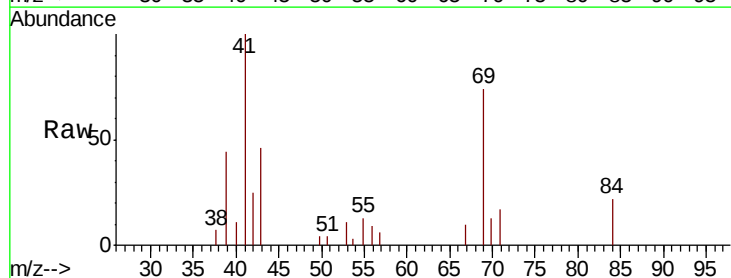
Instrument :
MSVOA_D
ClientSampleId :
P-3(0.5-1.0)

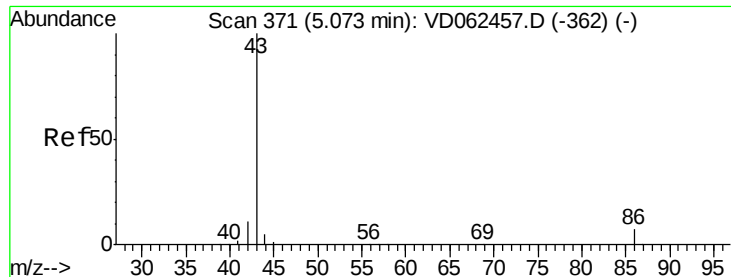
Tot Ion: 43 Resp: 15977
Ion Ratio Lower Upper
43 100
58 0.0 19.9 29.9#



#20
Methylene Chloride
Concen: 58.359 ug/l
RT: 3.92 min Scan# 254
Delta R.T. 0.10 min
Lab File: VD062505.D
Acq: 22 May 2019 16:21

Tgt Ion: 84 Resp: 10973
Ion Ratio Lower Upper
84 100
49 0.0 94.0 141.0#
51 18.4 29.0 43.4#
86 0.0 49.8 74.6#





#23

Vinyl Acetate

Concen: 10.894 ug/l

RT: 5.04 min Scan# 368

Delta R.T. -0.03 min

Lab File: VD062505.D

Acq: 22 May 2019 16:21

Instrument :

MSVOA_D

ClientSampleId :

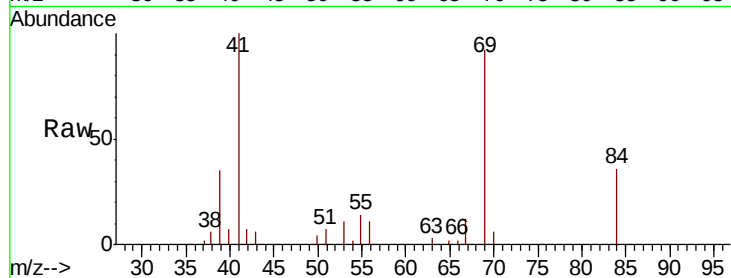
P-3(0.5-1.0)

Tot Ion: 43 Resp: 3579

Ion Ratio Lower Upper

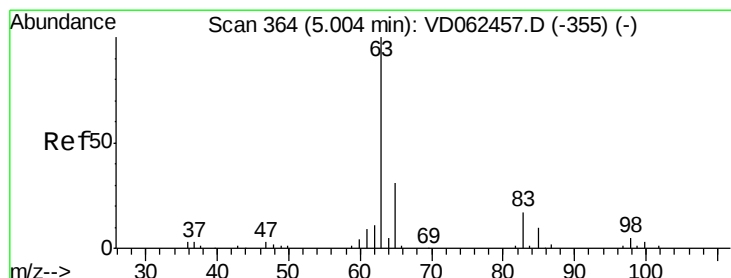
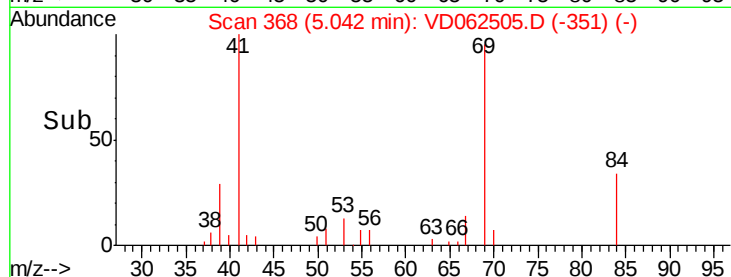
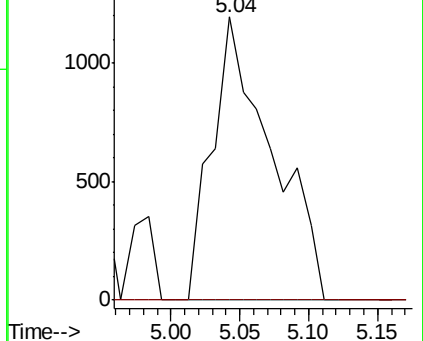
43 100

86 0.0 6.4 9.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 3.333 ug/l

RT: 5.04 min Scan# 368

Delta R.T. 0.04 min

Lab File: VD062505.D

Acq: 22 May 2019 16:21

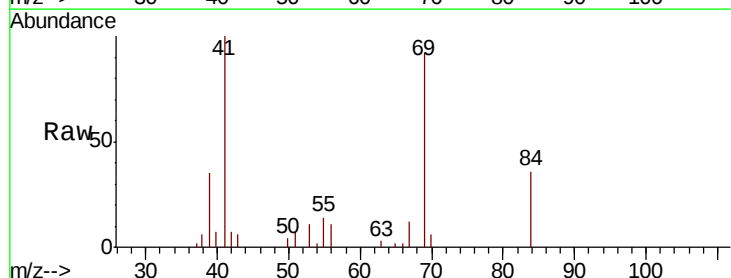
Tgt Ion: 63 Resp: 1167

Ion Ratio Lower Upper

63 100

98 0.0 2.8 8.4#

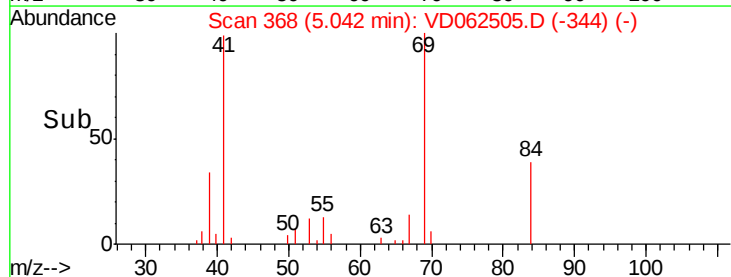
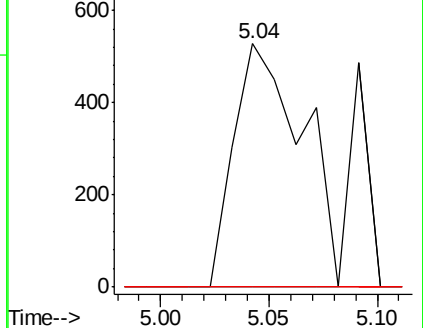
100 0.0 1.8 5.5#

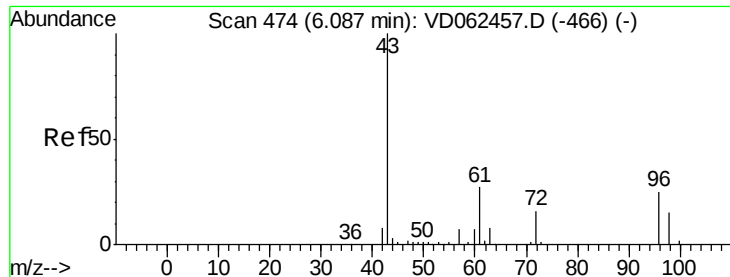


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 17.451 ug/l

RT: 6.04 min Scan# 469

Delta R.T. -0.05 min

Lab File: VD062505.D

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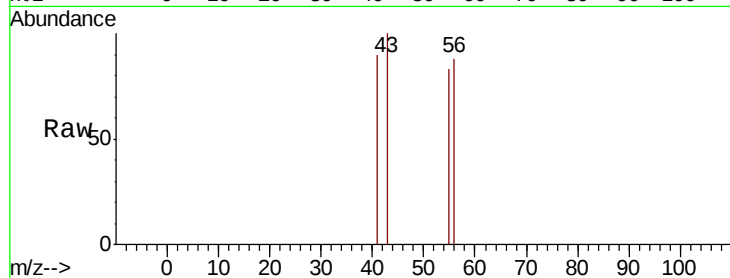
P-3(0.5-1.0)

Tot Ion: 43 Resp: 819

Ion Ratio Lower Upper

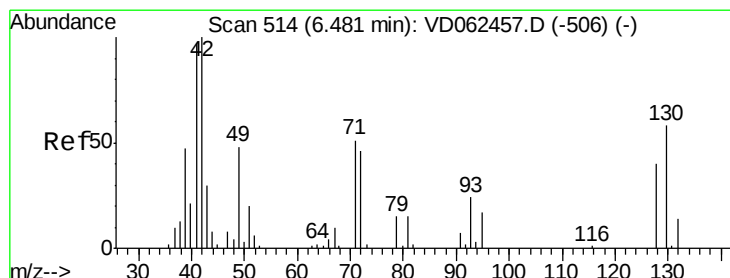
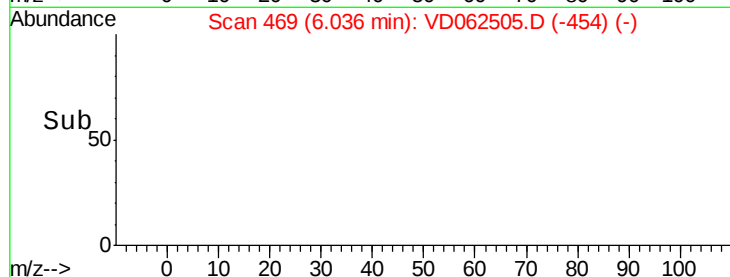
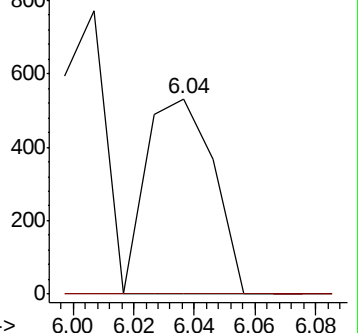
43 100

72 0.0 16.2 24.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#29

Tetrahydrofuran

Concen: 201.925 ug/l

RT: 6.63 min Scan# 529

Delta R.T. 0.15 min

Lab File: VD062505.D

Acq: 22 May 2019 16:21

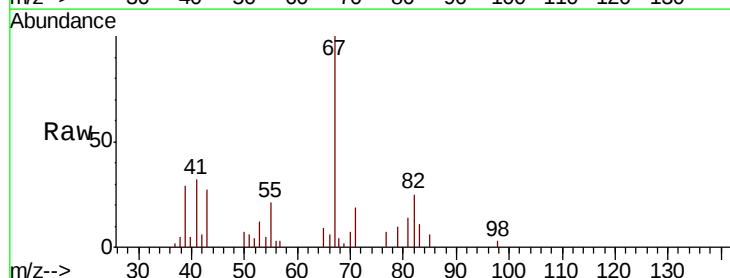
Tgt Ion: 42 Resp: 4526

Ion Ratio Lower Upper

42 100

72 4.9 37.8 56.6#

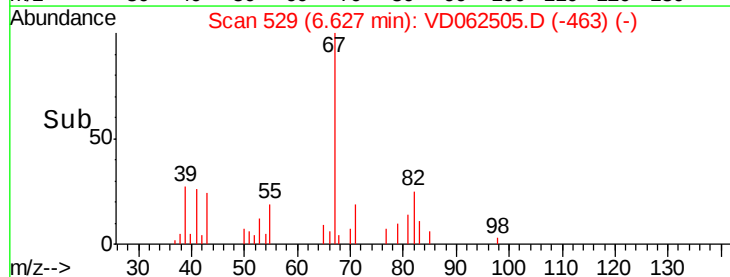
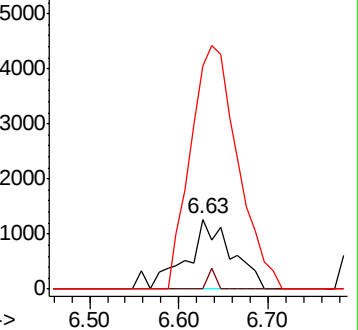
71 357.5 36.7 55.1#

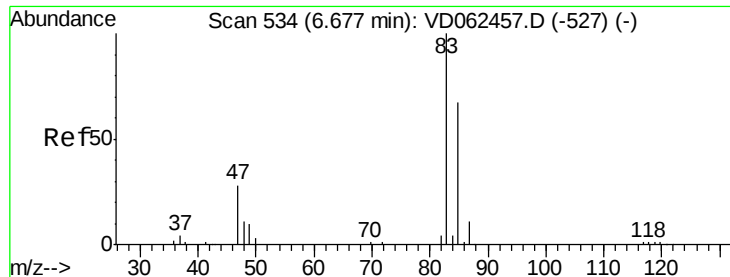


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

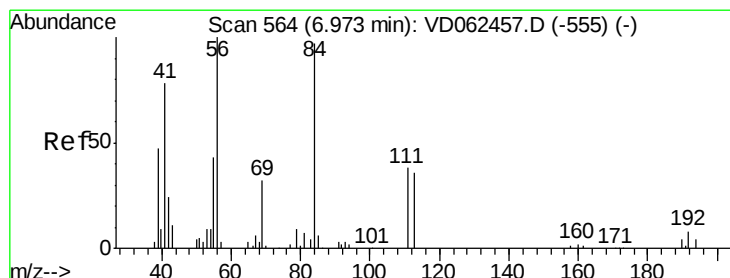
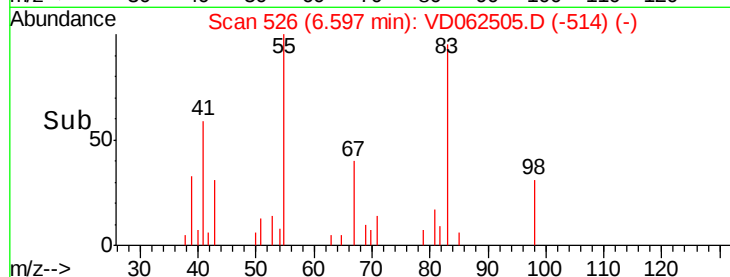
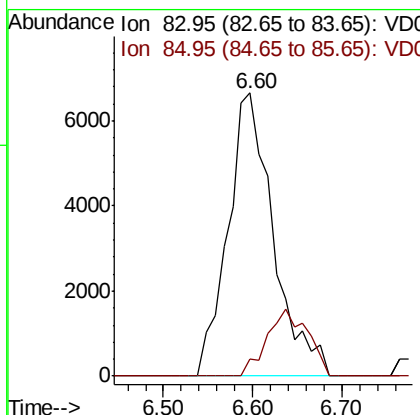
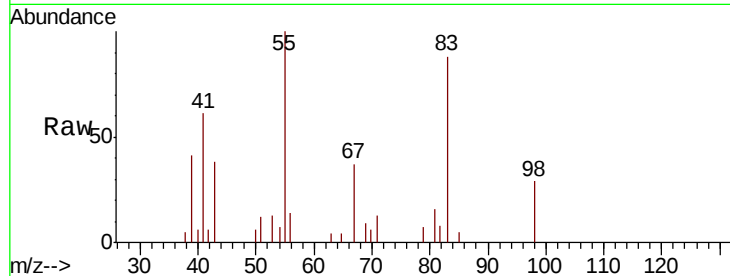




#30
Chloroform
Concen: 52.860 ug/l
RT: 6.60 min Scan# 526
Delta R.T. -0.08 min
Lab File: VD062505.D
Acq: 22 May 2019 16:21

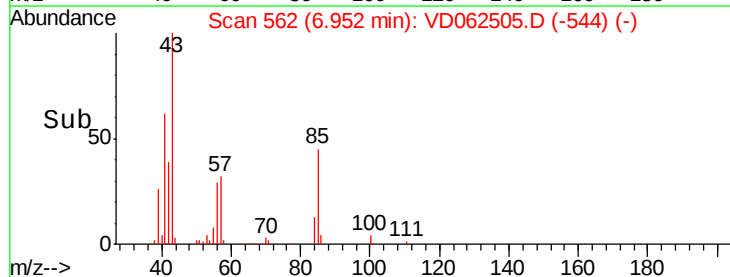
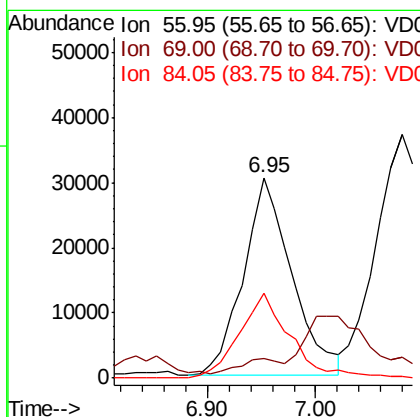
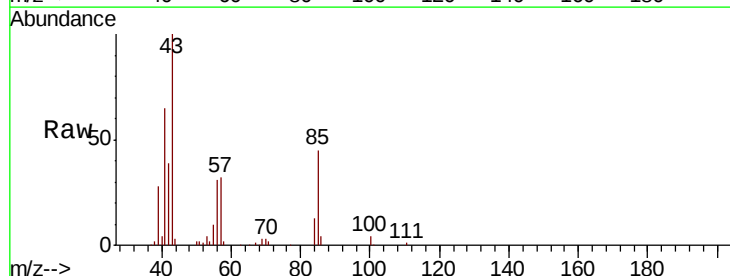
Instrument :
MSVOA_D
ClientSampleId :
P-3(0.5-1.0)

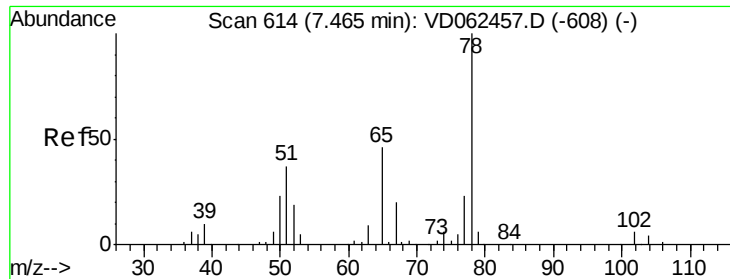
Tot Ion: 83 Resp: 23598
Ion Ratio Lower Upper
83 100
85 6.1 51.7 77.5#



#31
Cyclohexane
Concen: 402.472 ug/l
RT: 6.95 min Scan# 562
Delta R.T. -0.02 min
Lab File: VD062505.D
Acq: 22 May 2019 16:21

Tgt Ion: 56 Resp: 95158
Ion Ratio Lower Upper
56 100
69 9.9 25.8 38.6#
84 42.4 72.2 108.4#





#33

1,2-Dichloroethane-d4

Concen: 58.820 ug/l

RT: 7.43 min Scan# 611

Delta R.T. -0.03 min

Lab File: VD062505.D

Acq: 22 May 2019 16:21

Instrument :

MSVOA_D

ClientSampleId :

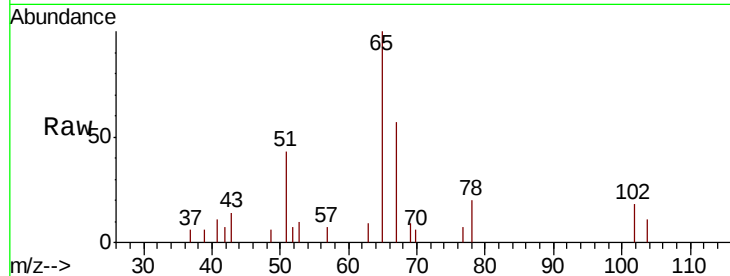
P-3(0.5-1.0)

Tot Ion: 65 Resp: 14729

Ion Ratio Lower Upper

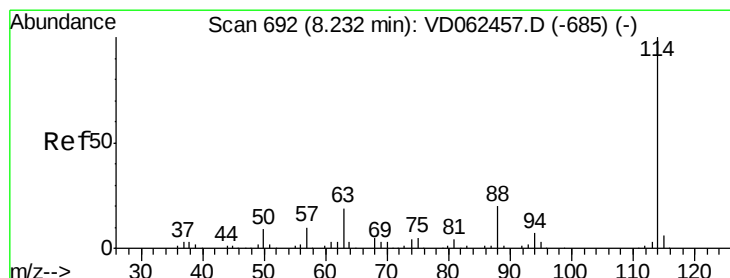
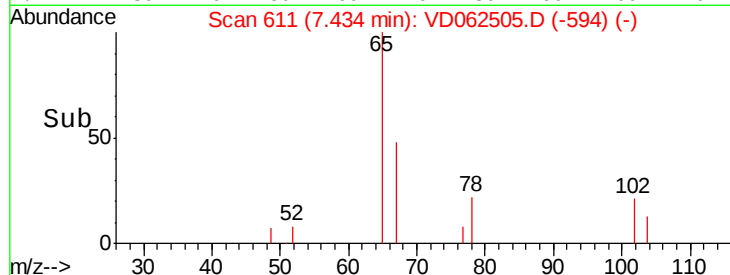
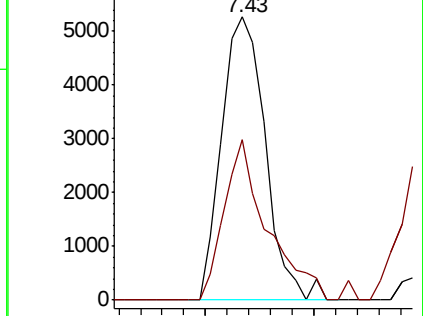
65 100

67 56.7 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.20 min Scan# 689

Delta R.T. -0.03 min

Lab File: VD062505.D

Acq: 22 May 2019 16:21

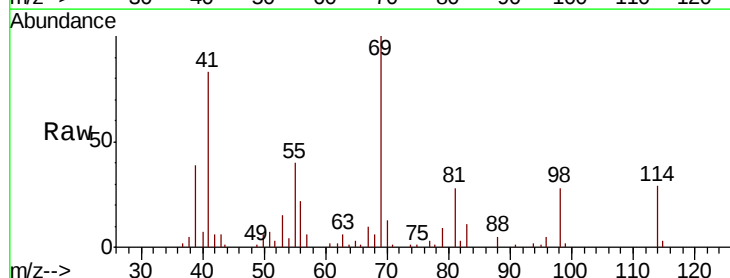
Tgt Ion: 114 Resp: 35064

Ion Ratio Lower Upper

114 100

63 20.9 0.0 32.4

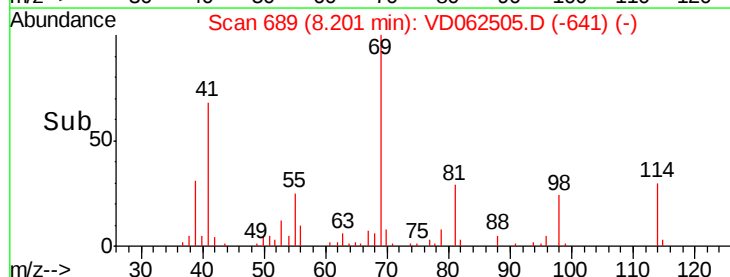
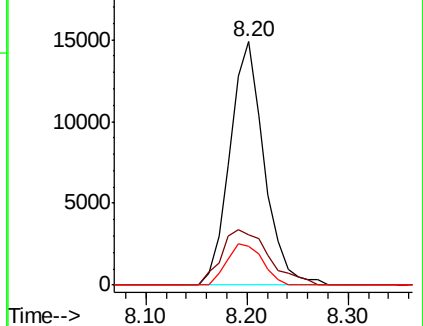
88 16.1 0.0 33.6

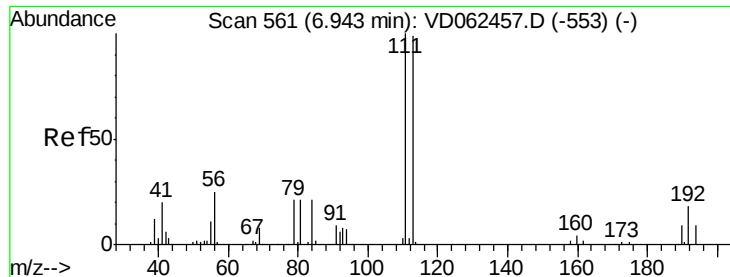


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 42.425 ug/l

RT: 6.90 min Scan# 557

Delta R.T. -0.04 min

Lab File: VD062505.D

Acq: 22 May 2019 16:21

Instrument :

MSVOA_D

ClientSampleId :

P-3(0.5-1.0)

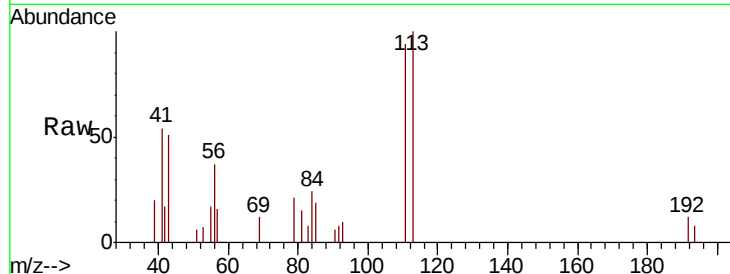
Tot Ion:113 Resp: 13420

Ion Ratio Lower Upper

113 100

111 94.0 78.5 117.7

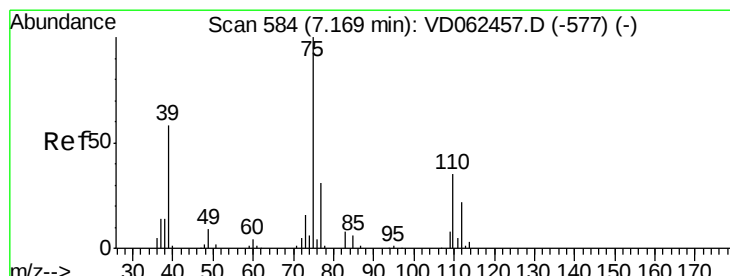
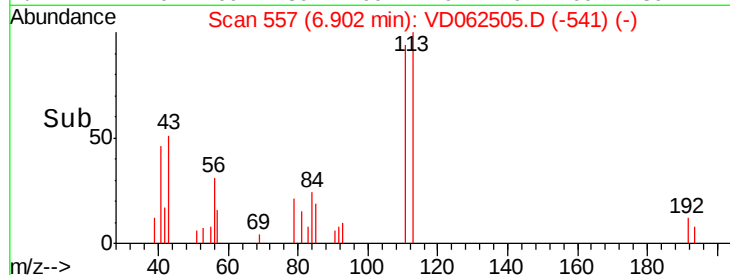
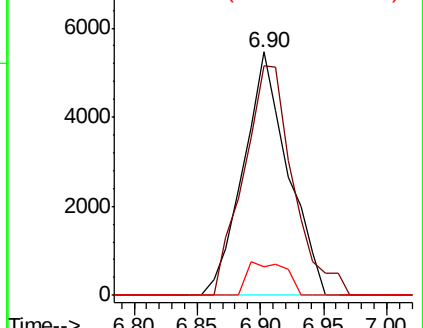
192 11.9 13.0 19.4#



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 4.412 ug/l

RT: 7.03 min Scan# 570

Delta R.T. -0.14 min

Lab File: VD062505.D

Acq: 22 May 2019 16:21

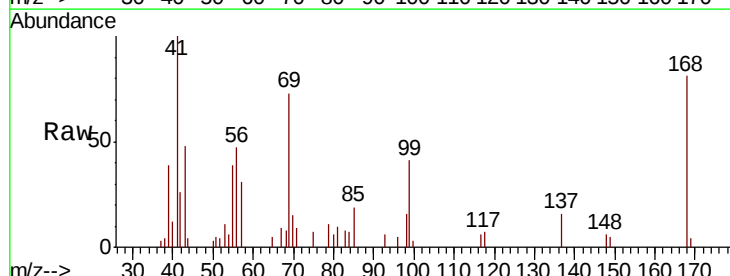
Tgt Ion: 75 Resp: 1479

Ion Ratio Lower Upper

75 100

110 0.0 19.1 57.1#

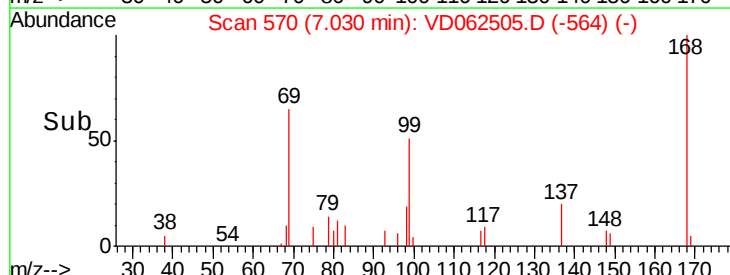
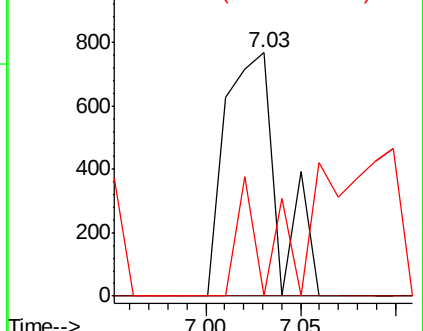
77 0.0 25.6 38.4#

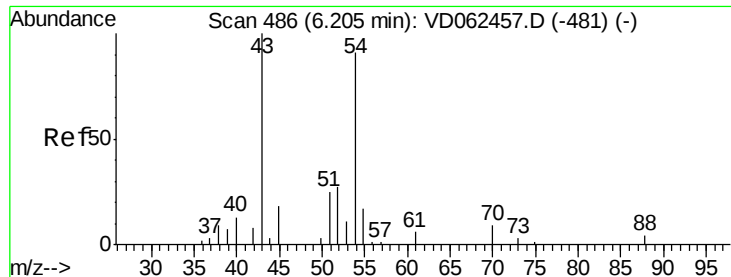


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#37

Ethyl Acetate

Concen: 3.747 ug/l

RT: 6.31 min Scan# 497

Delta R.T. 0.11 min

Lab File: VD062505.D

Acq: 22 May 2019 16:21

Instrument :

MSVOA_D

ClientSampleId :

P-3(0.5-1.0)

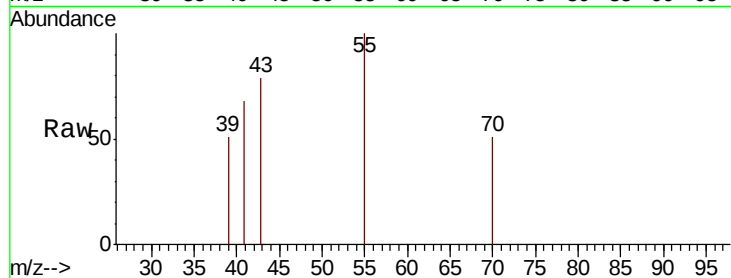
Tot Ion: 43 Resp: 488

Ion Ratio Lower Upper

43 100

61 0.0 14.7 22.1#

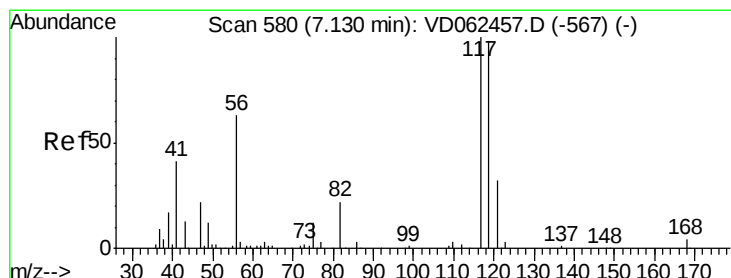
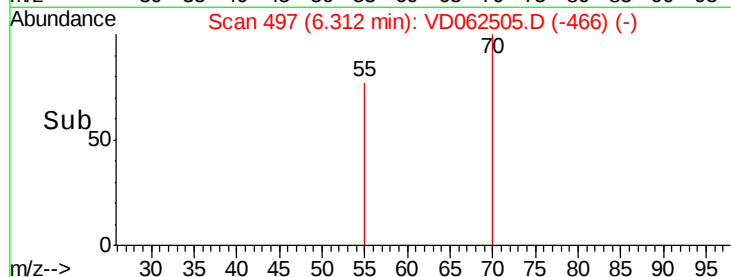
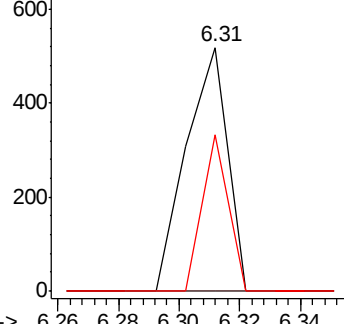
70 64.1 7.8 11.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 4.107 ug/l

RT: 7.02 min Scan# 569

Delta R.T. -0.11 min

Lab File: VD062505.D

Acq: 22 May 2019 16:21

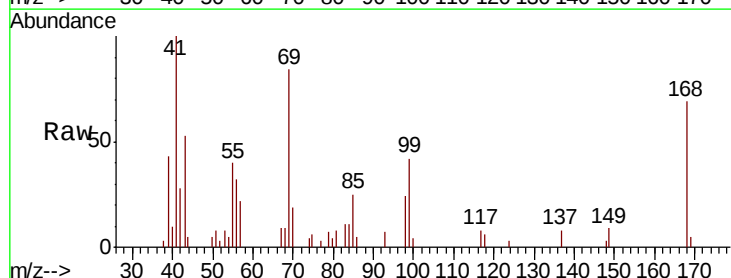
Tgt Ion: 117 Resp: 2046

Ion Ratio Lower Upper

117 100

119 0.0 75.8 113.8#

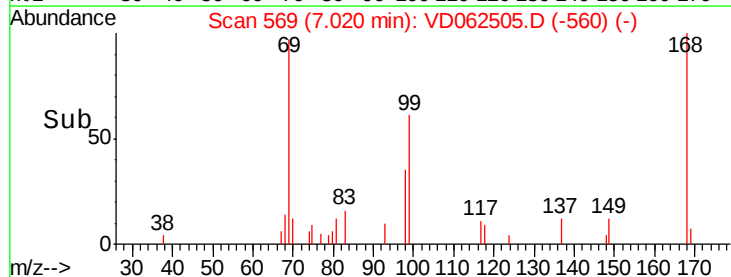
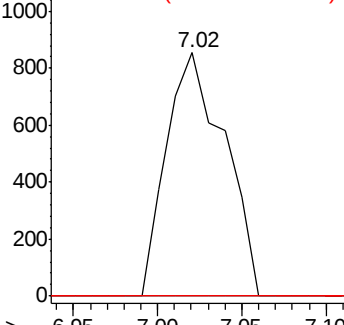
121 0.0 25.9 38.9#

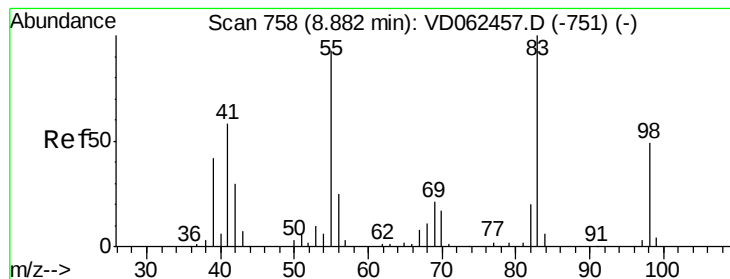


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V





#39

Methvlcvclohexane

Concen: 290.937 ug/l

RT: 8.85 min Scan# 755

Delta R.T. -0.03 min

Lab File: VD062505.D

Acq: 22 May 2019 16:21

Instrument :

MSVOA_D

ClientSampleId :

P-3(0.5-1.0)

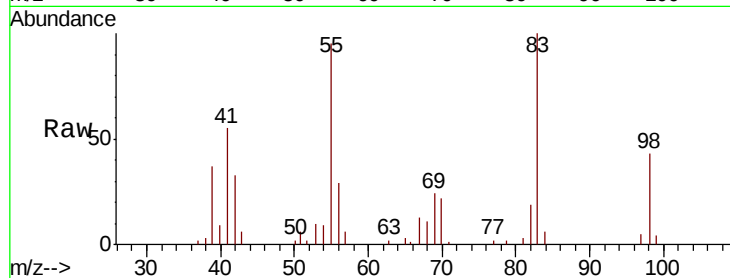
Tot Ion: 83 Resp: 80445

Ion Ratio Lower Upper

83 100

55 94.9 68.2 102.4

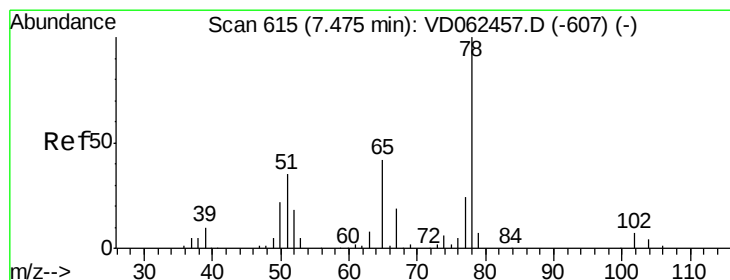
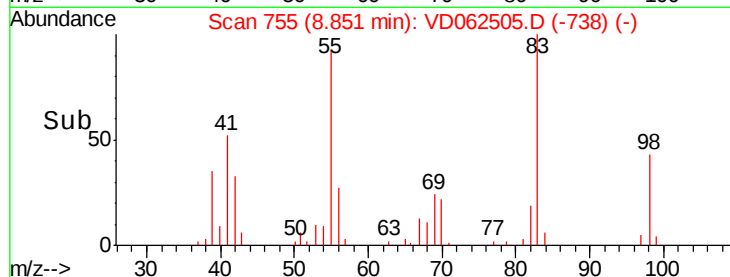
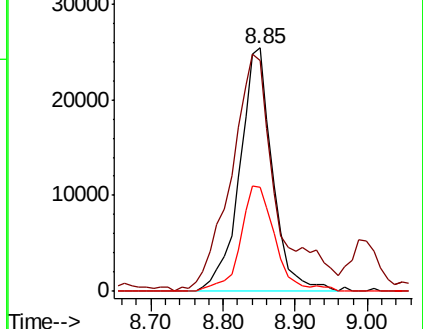
98 42.6 38.2 57.4



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 6.427 ug/l

RT: 7.44 min Scan# 612

Delta R.T. -0.03 min

Lab File: VD062505.D

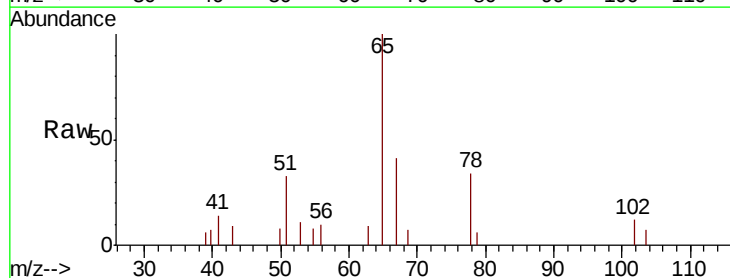
Acq: 22 May 2019 16:21

Tgt Ion: 78 Resp: 4226

Ion Ratio Lower Upper

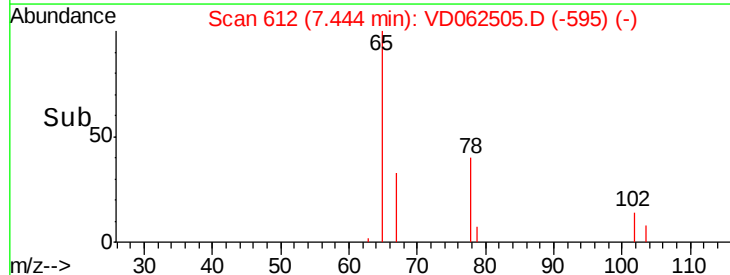
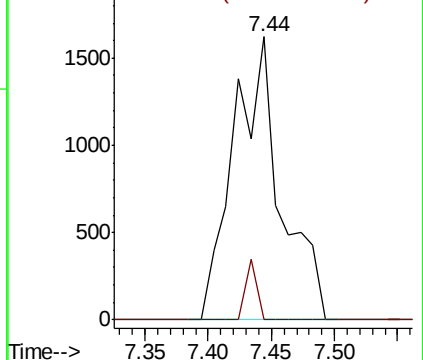
78 100

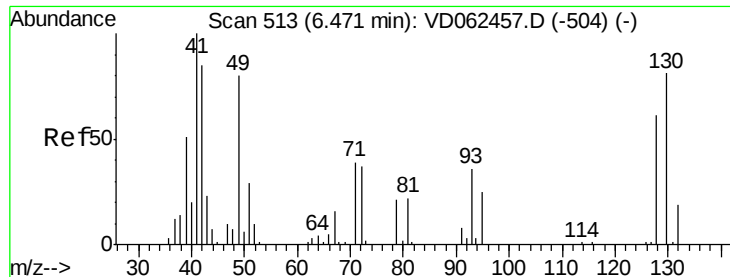
77 0.0 19.7 29.5#



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 45.371 ug/l

RT: 6.45 min Scan# 511

Delta R.T. -0.02 min

Lab File: VD062505.D

Acq: 22 May 2019 16:21

Instrument :

MSVOA_D

ClientSampleId :

P-3(0.5-1.0)

Tot Ion: 41 Resp: 7421

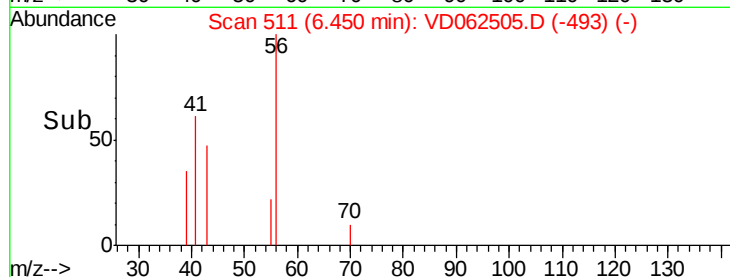
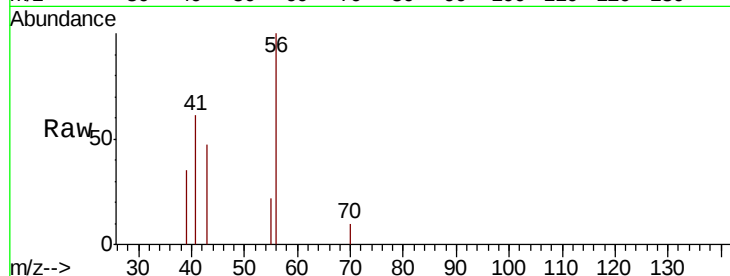
Ion Ratio Lower Upper

41 100

39 56.4 34.1 51.1#

67 0.0 23.8 35.6#

52 0.0 8.8 13.2#

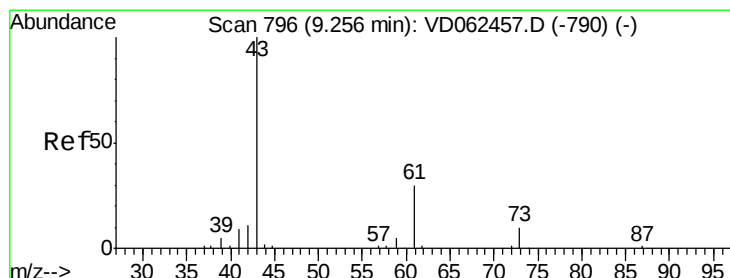
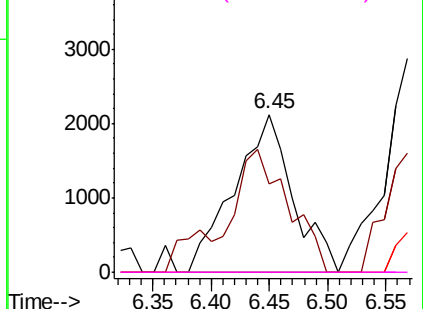


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#43

Isopropyl Acetate

Concen: 73.335 ug/l

RT: 9.26 min Scan# 797

Delta R.T. 0.01 min

Lab File: VD062505.D

Acq: 22 May 2019 16:21

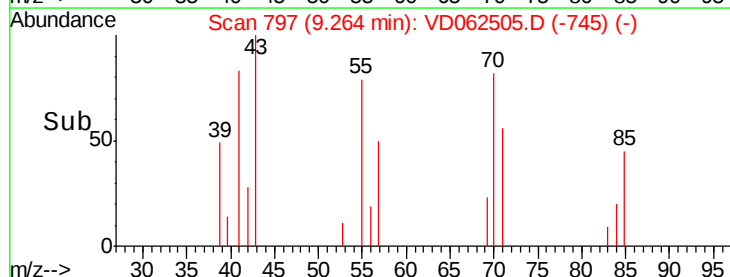
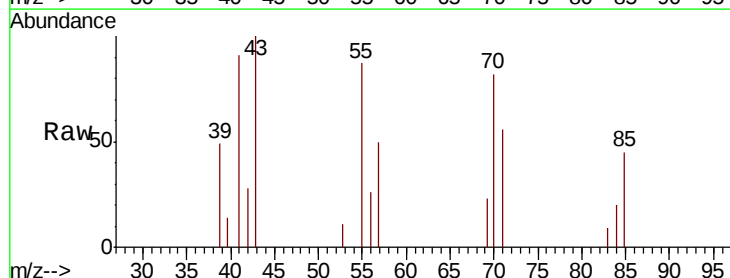
Tgt Ion: 43 Resp: 12670

Ion Ratio Lower Upper

43 100

61 0.0 25.1 37.7#

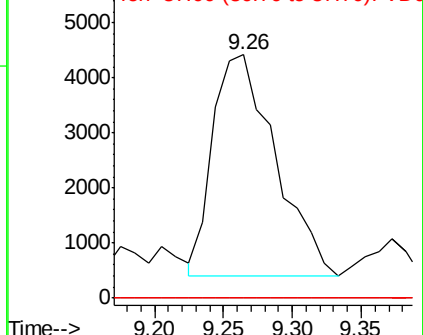
87 0.0 0.0 0.0

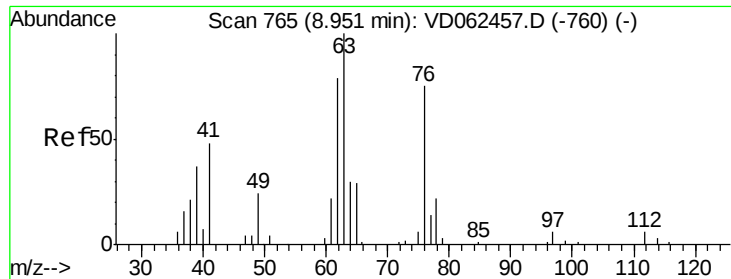


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC





#45

1,2-Dichloropropane

Concen: 1.635 ug/l

RT: 8.91 min Scan# 761

Delta R.T. -0.04 min

Lab File: VD062505.D

Acq: 22 May 2019 16:21

Instrument :

MSVOA_D

ClientSampleId :

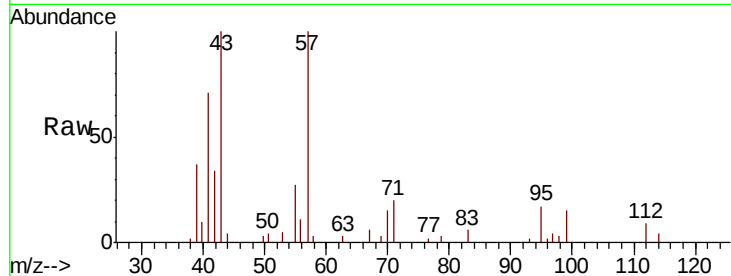
P-3(0.5-1.0)

Tot Ion: 63 Resp: 262

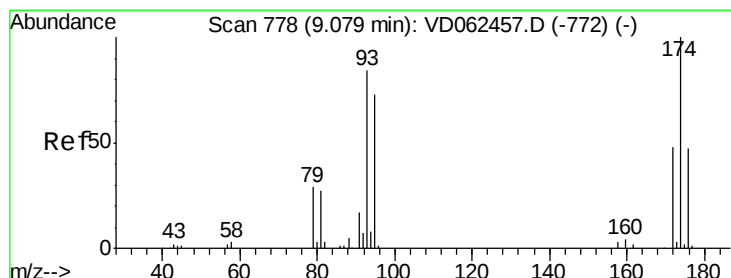
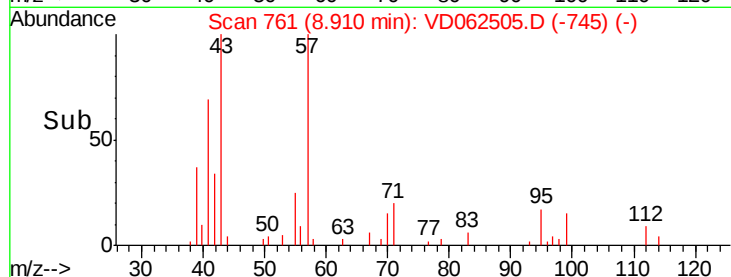
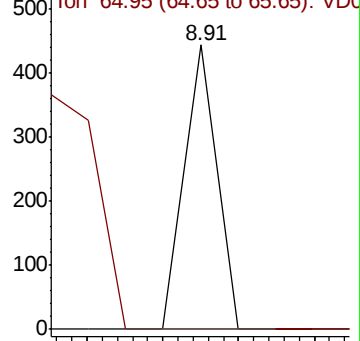
Ion Ratio Lower Upper

63 100

65 0.0 23.8 35.6#



Abundance Ion 62.95 (62.65 to 63.65): VDC



#46

Dibromomethane

Concen: 1.466 ug/l

RT: 8.91 min Scan# 761

Delta R.T. -0.17 min

Lab File: VD062505.D

Acq: 22 May 2019 16:21

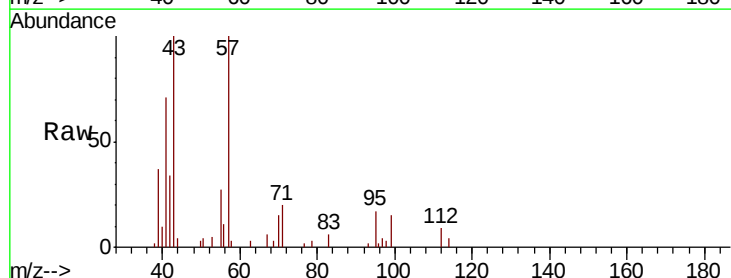
Tgt Ion: 93 Resp: 213

Ion Ratio Lower Upper

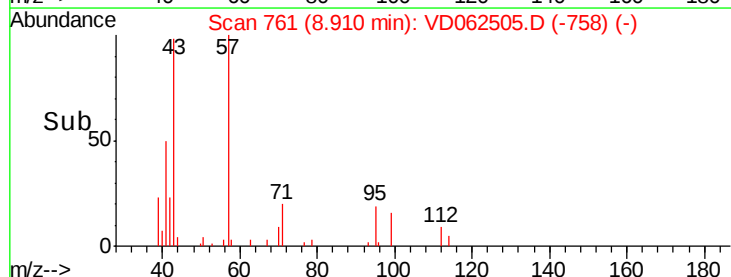
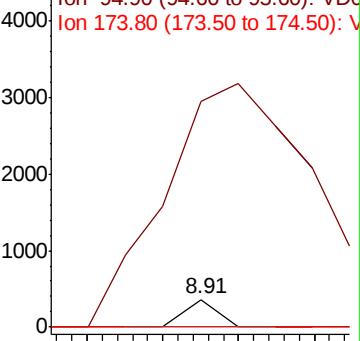
93 100

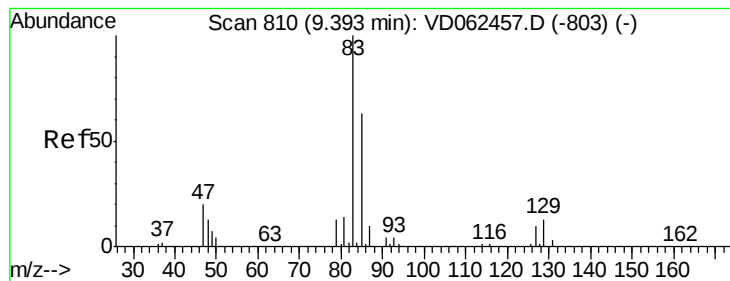
95 819.7 64.8 97.2#

174 0.0 79.3 118.9#



Abundance Ion 92.90 (92.60 to 93.60): VDC





#47

Bromodichloromethane

Concen: 73.840 ug/l

RT: 9.36 min Scan# 807

Delta R.T. -0.03 min

Lab File: VD062505.D

Acq: 22 May 2019 16:21

Instrument :

MSVOA_D

ClientSampleId :

P-3(0.5-1.0)

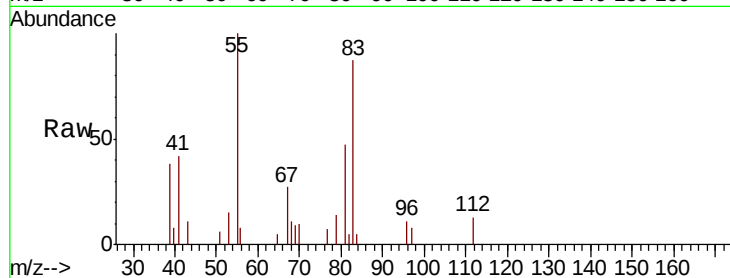
Tot Ion: 83 Resp: 27286

Ion Ratio Lower Upper

83 100

85 0.0 50.9 76.3#

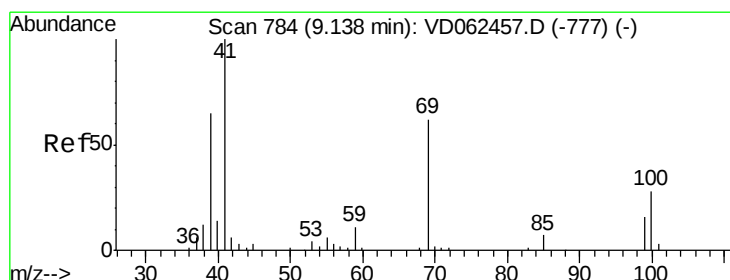
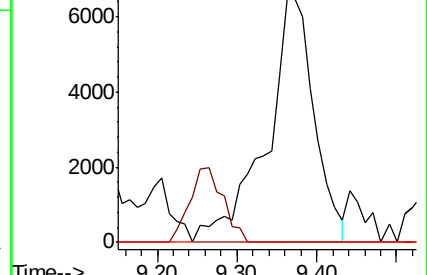
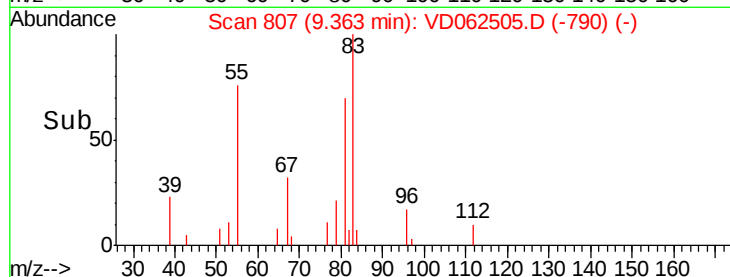
127 0.0 8.1 12.1#



Abundance Ion 82.85 (82.55 to 83.55): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 213.462 ug/l

RT: 9.14 min Scan# 784

Delta R.T. -0.00 min

Lab File: VD062505.D

Acq: 22 May 2019 16:21

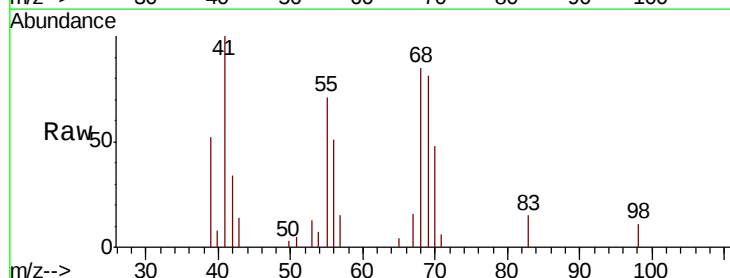
Tgt Ion: 41 Resp: 24818

Ion Ratio Lower Upper

41 100

69 80.8 64.2 96.2

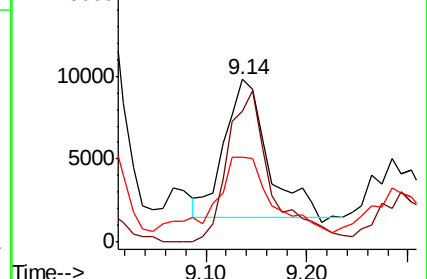
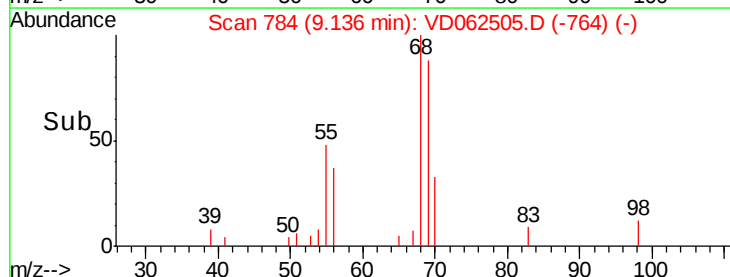
39 52.1 46.8 70.2

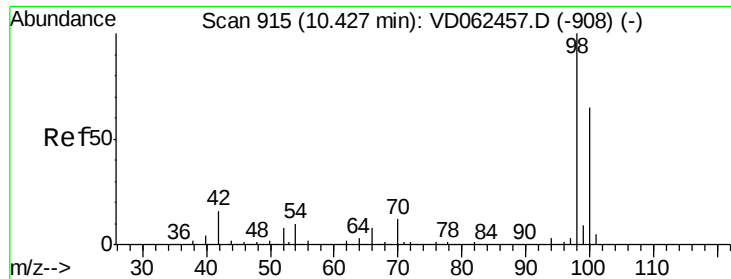


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC

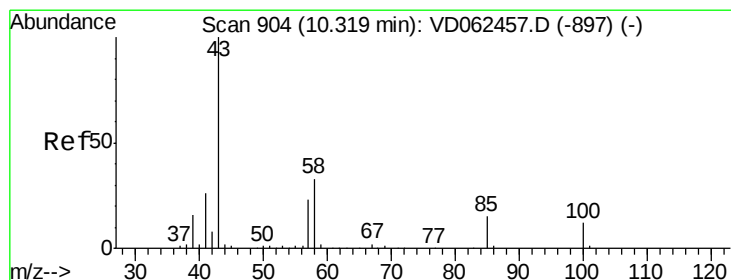
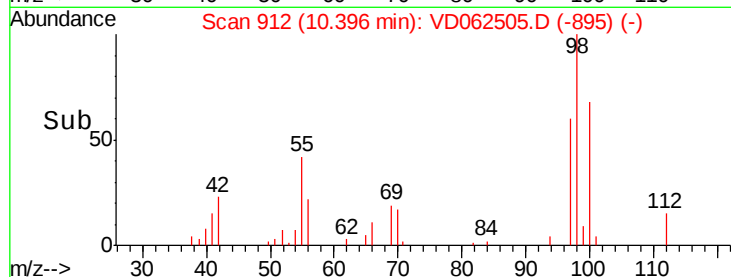
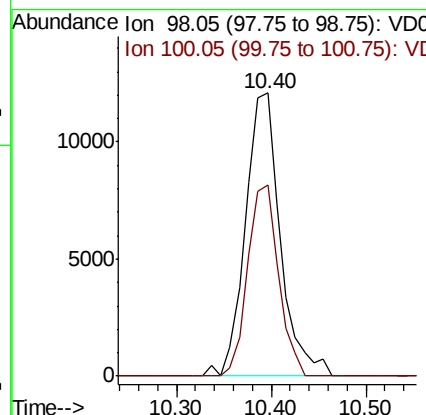
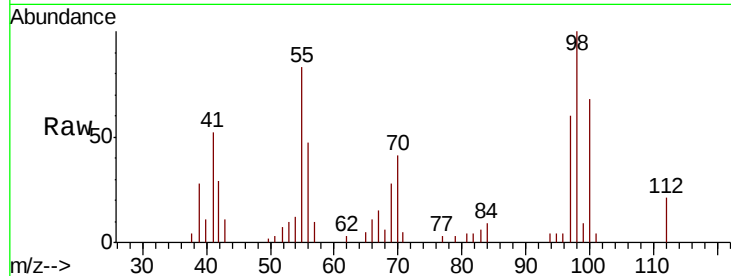




#50
Toluene-d8
Concen: 44.695 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.03 min
Lab File: VD062505.D
Acq: 22 May 2019 16:21

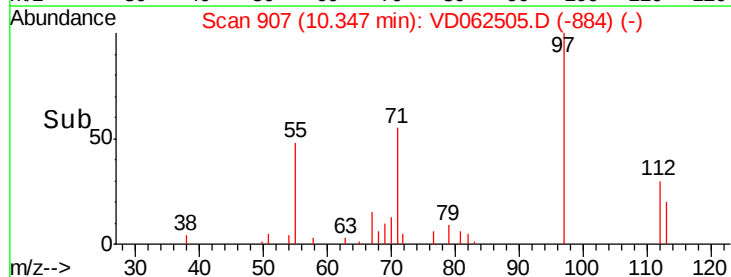
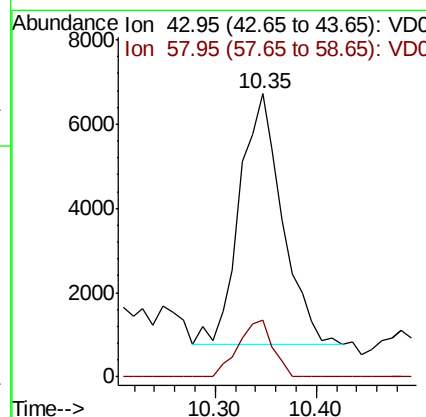
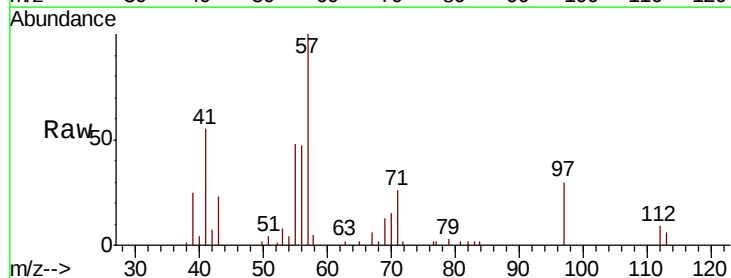
Instrument :
MSVOA_D
ClientSampleId :
P-3(0.5-1.0)

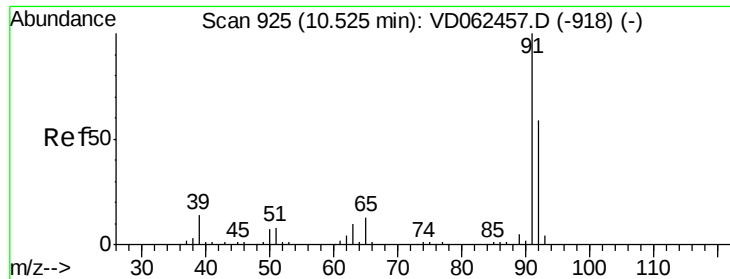
Tot Ion: 98 Resp: 30939
Ion Ratio Lower Upper
98 100
100 67.7 53.8 80.8



#51
4-Methyl-2-Pentanone
Concen: 153.573 ug/l
RT: 10.35 min Scan# 907
Delta R.T. 0.03 min
Lab File: VD062505.D
Acq: 22 May 2019 16:21

Tgt Ion: 43 Resp: 17528
Ion Ratio Lower Upper
43 100
58 19.9 30.4 45.6#





#52

Toluene

Concen: 9.348 ug/l

RT: 10.49 min Scan# 922

Delta R.T. -0.03 min

Lab File: VD062505.D

Acq: 22 May 2019 16:21

Instrument :

MSVOA_D

ClientSampleId :

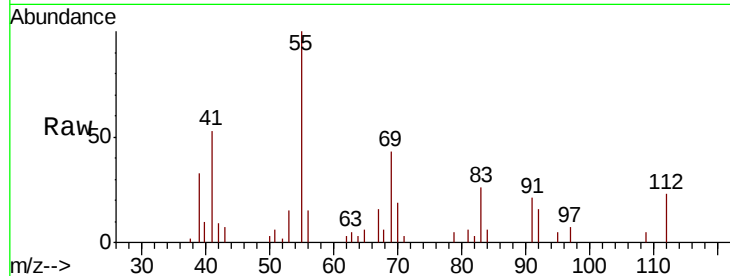
P-3(0.5-1.0)

Tot Ion: 92 Resp: 4208

Ion Ratio Lower Upper

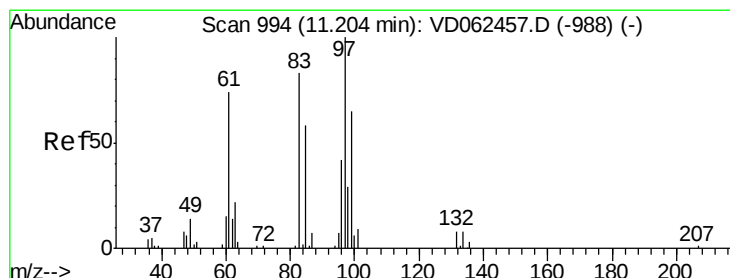
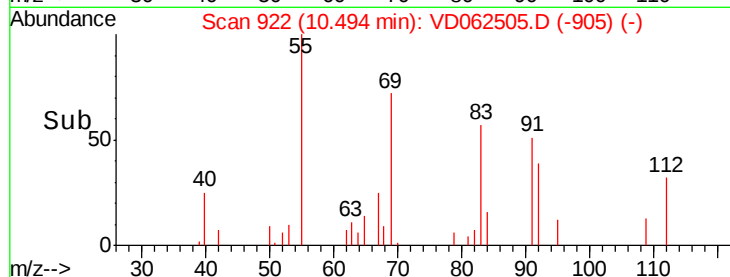
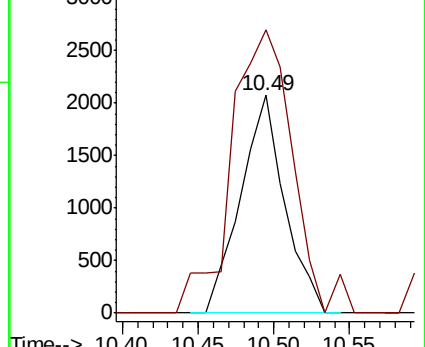
92 100

91 130.1 136.6 204.8#



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#55

1,1,2-Trichloroethane

Concen: 229.858 ug/l

RT: 11.08 min Scan# 982

Delta R.T. -0.12 min

Lab File: VD062505.D

Acq: 22 May 2019 16:21

Tgt Ion: 97 Resp: 35069

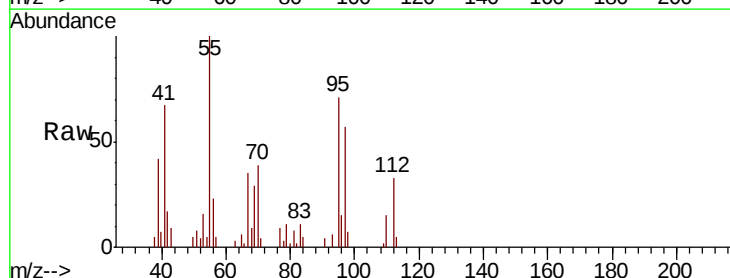
Ion Ratio Lower Upper

97 100

83 19.7 65.7 98.5#

85 0.0 45.6 68.4#

99 0.0 48.4 72.6#

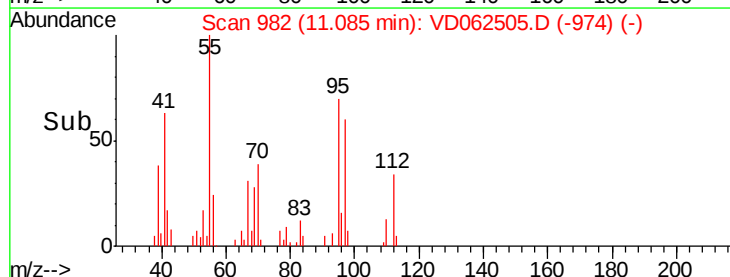
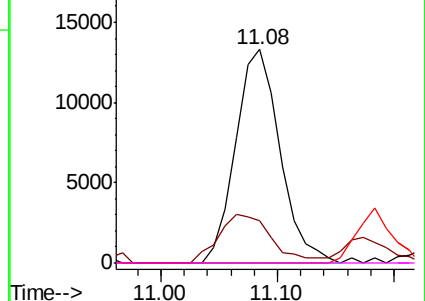


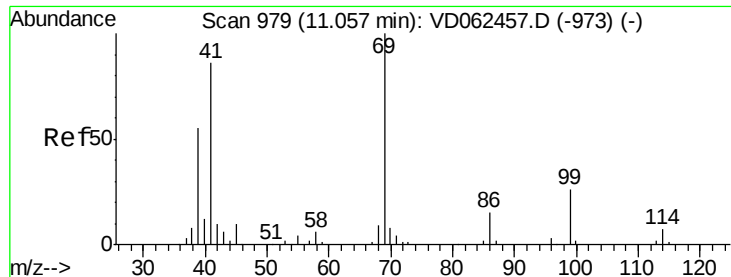
Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC





#56

Ethyl methacrylate

Concen: 148.437 ug/l

RT: 11.07 min Scan# 981

Delta R.T. 0.02 min

Lab File: VD062505.D

Acq: 22 May 2019 16:21

Instrument :

MSVOA_D

ClientSampleId :

P-3(0.5-1.0)

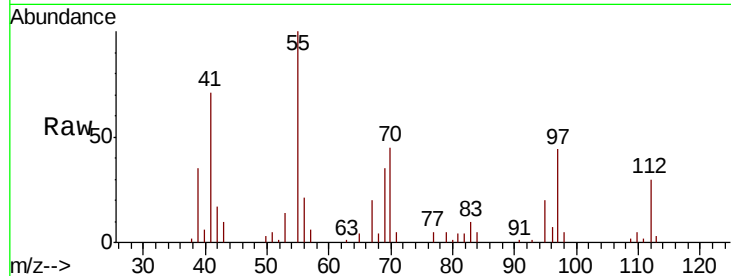
Tot Ion: 69 Resp: 24210

Ion Ratio Lower Upper

69 100

41 203.2 56.3 84.5#

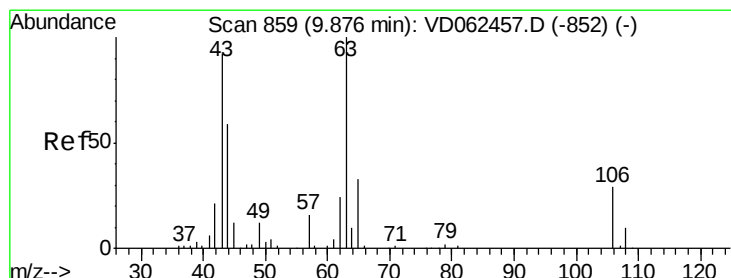
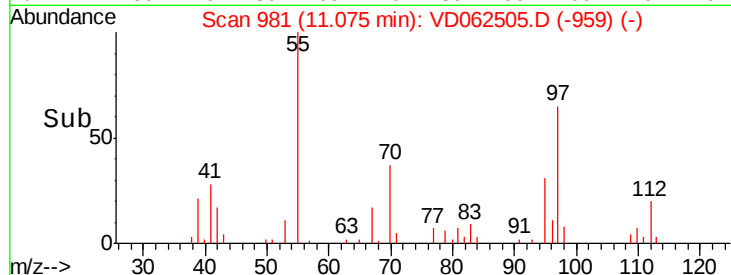
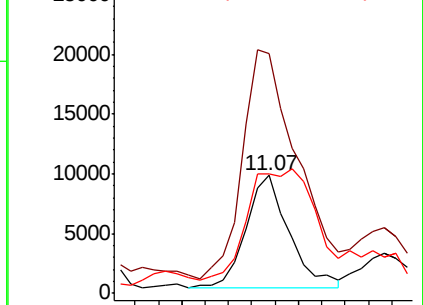
39 101.3 29.4 44.2#



Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 6.412 ug/l

RT: 9.88 min Scan# 860

Delta R.T. 0.01 min

Lab File: VD062505.D

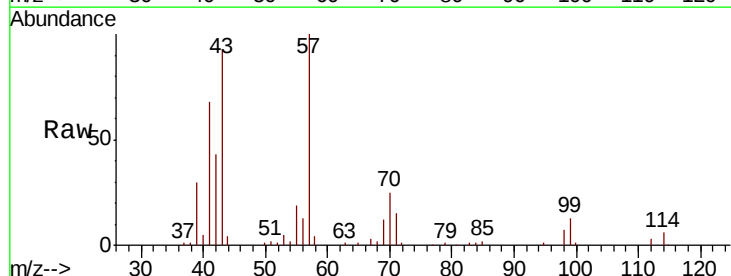
Acq: 22 May 2019 16:21

Tgt Ion: 63 Resp: 537

Ion Ratio Lower Upper

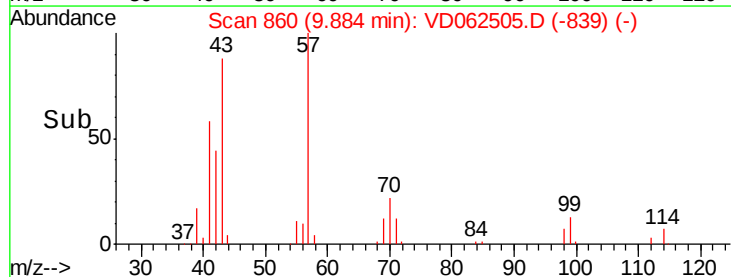
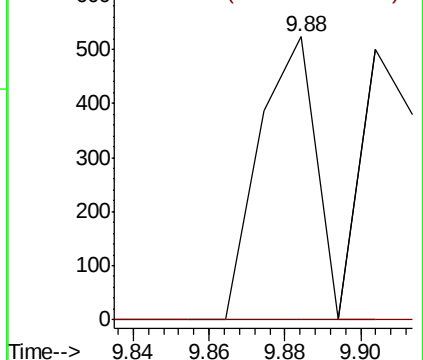
63 100

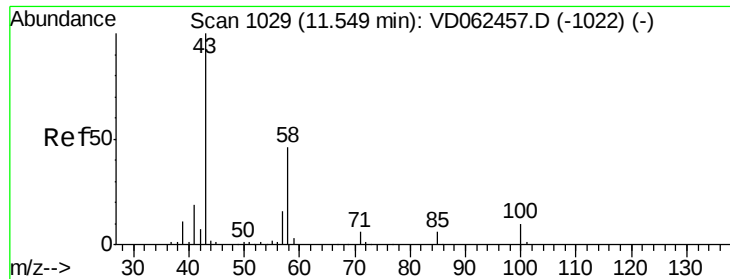
106 0.0 22.6 34.0#



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

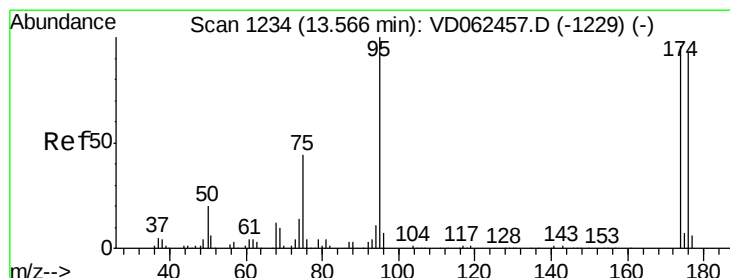
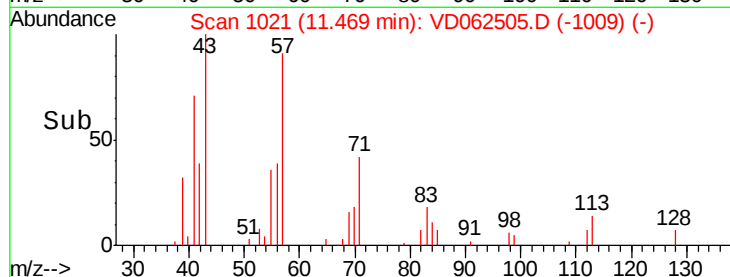
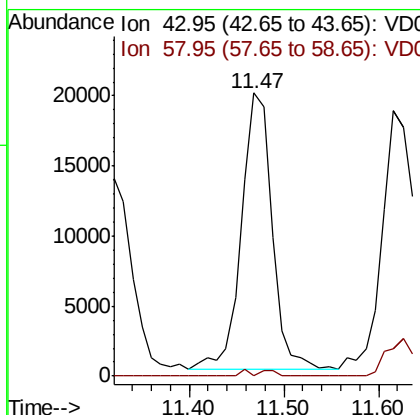
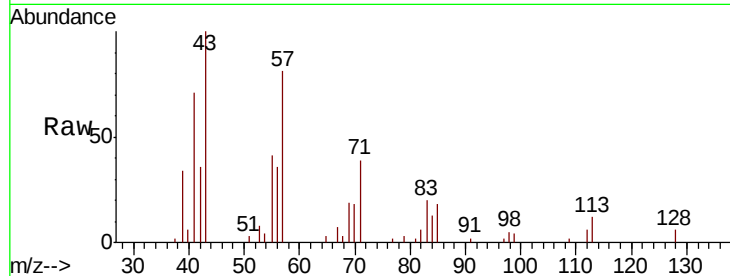




#59
2-Hexanone
Concen: 537.826 ug/l
RT: 11.47 min Scan# 1021
Delta R.T. -0.08 min
Lab File: VD062505.D
Acq: 22 May 2019 16:21

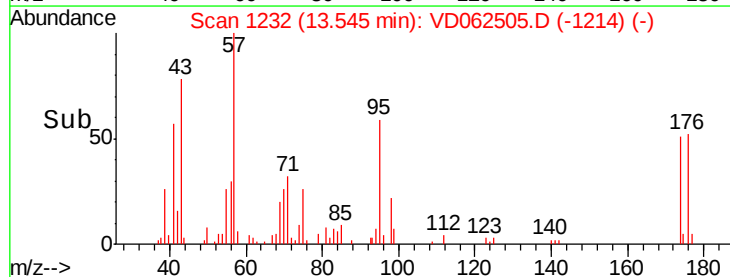
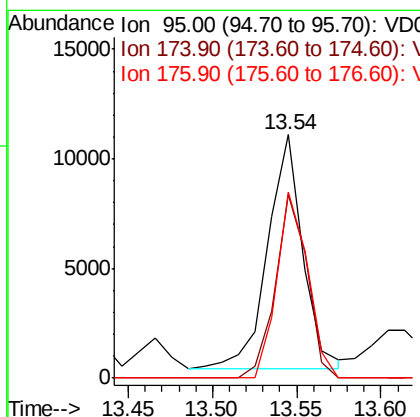
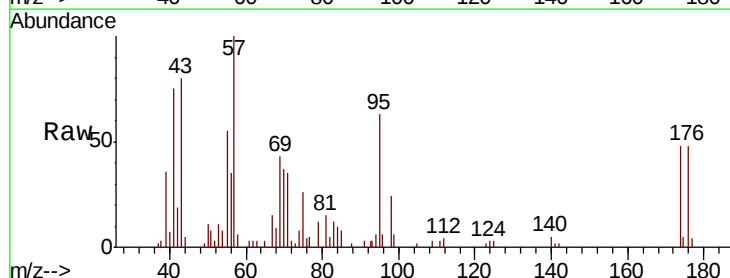
Instrument :
MSVOA_D
ClientSampleId :
P-3(0.5-1.0)

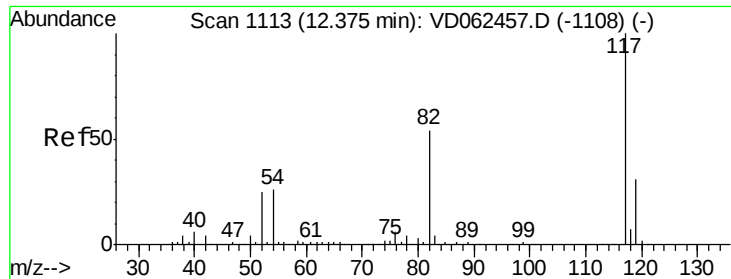
Tot Ion: 43 Resp: 44613
Ion Ratio Lower Upper
43 100
58 0.0 25.4 76.4#



#62
4-Bromofluorobenzene
Concen: 51.188 ug/l
RT: 13.54 min Scan# 1232
Delta R.T. -0.02 min
Lab File: VD062505.D
Acq: 22 May 2019 16:21

Tgt Ion: 95 Resp: 15500
Ion Ratio Lower Upper
95 100
174 75.4 0.0 181.8
176 76.6 0.0 174.4

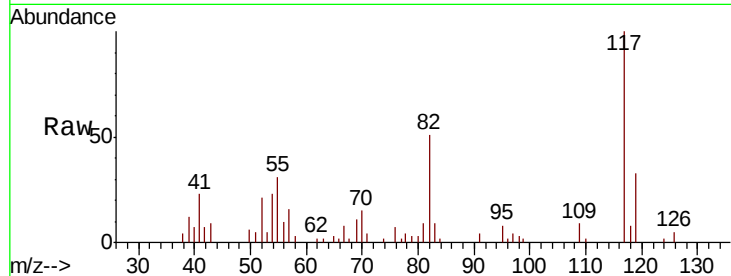




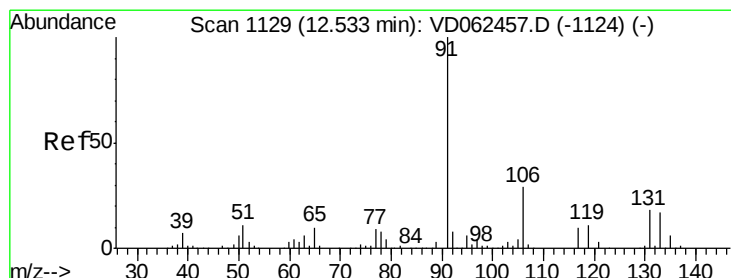
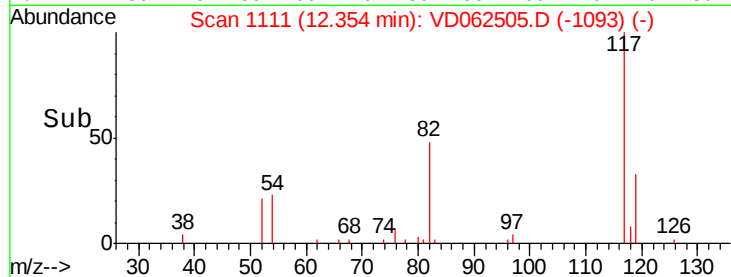
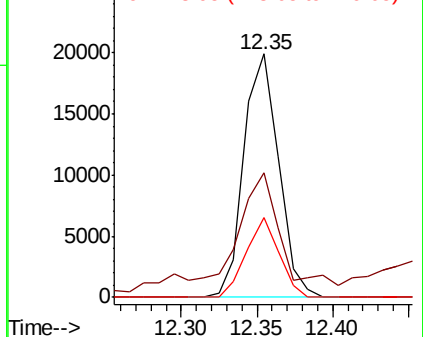
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1111
Delta R.T. -0.02 min
Lab File: VD062505.D
Acq: 22 May 2019 16:21

Instrument :
MSVOA_D
ClientSampleId :
P-3(0.5-1.0)

Tot Ion:117 Resp: 31911
Ion Ratio Lower Upper
117 100
82 51.1 36.2 54.2
119 32.9 26.2 39.4

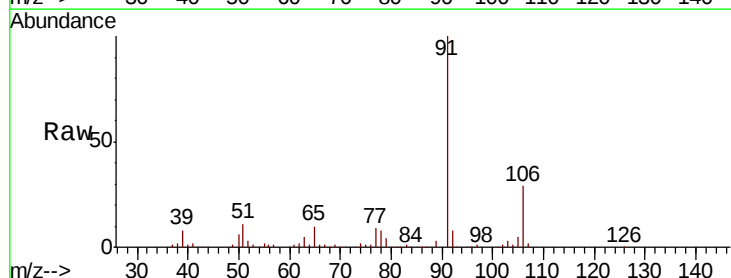


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): VDC
Ion 118.95 (118.65 to 119.65): V

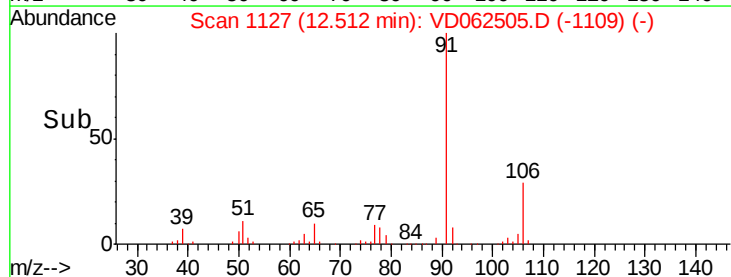
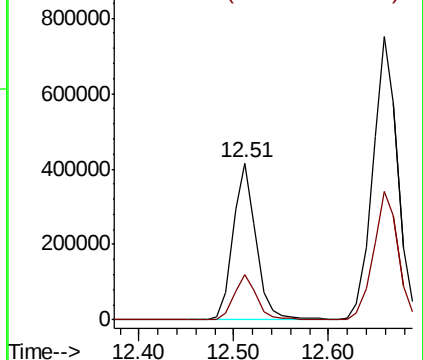


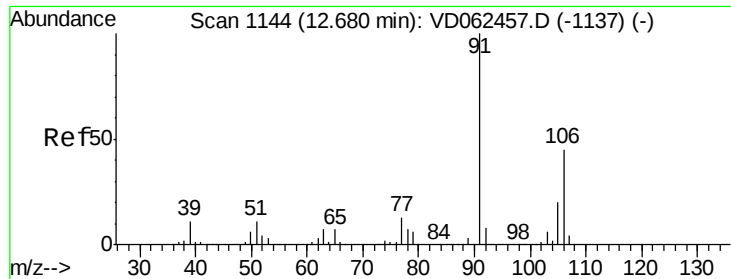
#67
Ethyl Benzene
Concen: 652.159 ug/l
RT: 12.51 min Scan# 1127
Delta R.T. -0.02 min
Lab File: VD062505.D
Acq: 22 May 2019 16:21

Tgt Ion: 91 Resp: 689328
Ion Ratio Lower Upper
91 100
106 28.9 24.7 37.1



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

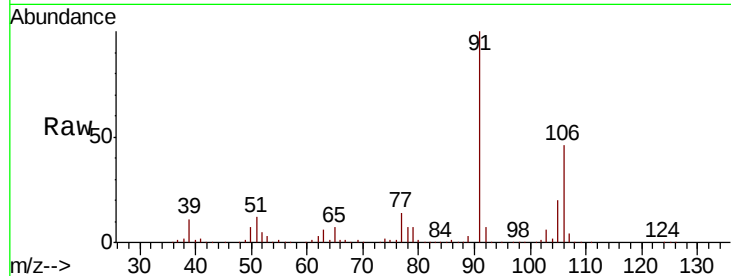




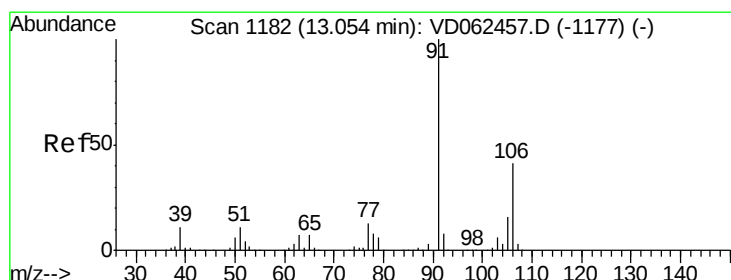
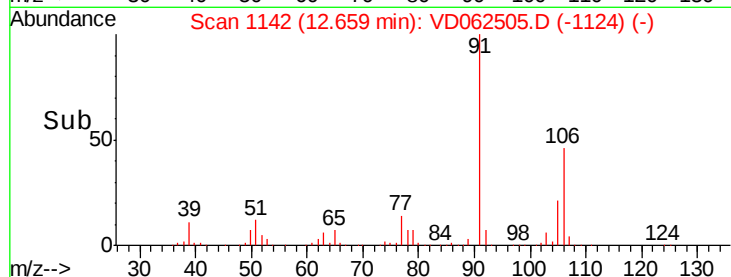
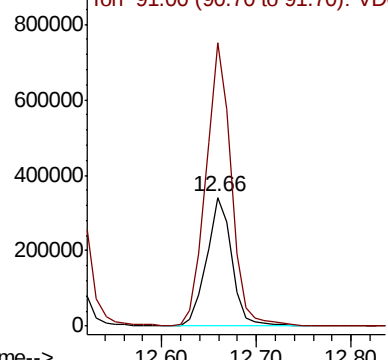
#68
m/p-Xylenes
Concen: 1639.568 ug/l
RT: 12.66 min Scan# 1142
Delta R.T. -0.02 min
Lab File: VD062505.D
Acq: 22 May 2019 16:21

Instrument :
MSVOA_D
ClientSampleId :
P-3(0.5-1.0)

Tot Ion:106 Resp: 622084
Ion Ratio Lower Upper
106 100
91 219.6 164.0 246.0

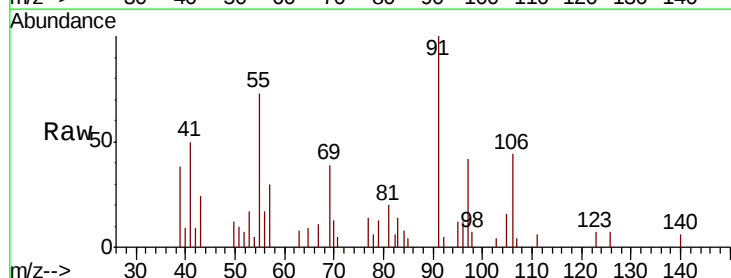


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

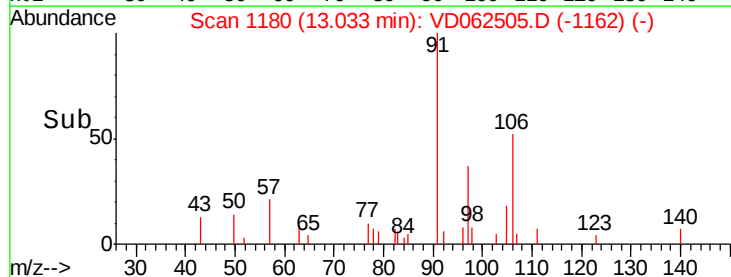
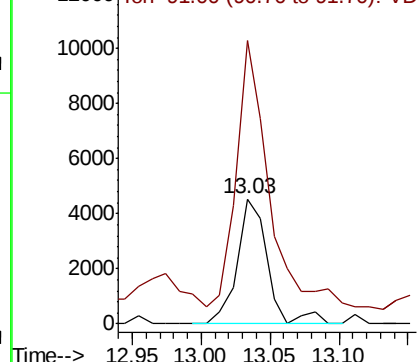


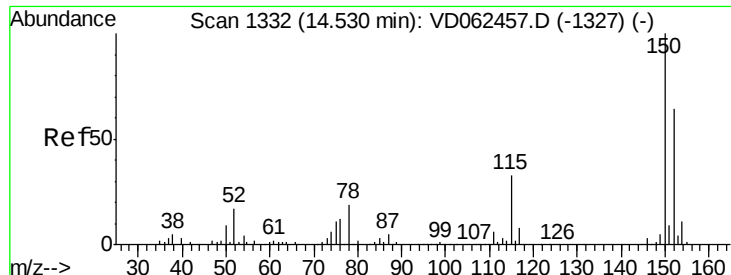
#69
o-Xylene
Concen: 19.417 ug/l
RT: 13.03 min Scan# 1180
Delta R.T. -0.02 min
Lab File: VD062505.D
Acq: 22 May 2019 16:21

Tgt Ion:106 Resp: 6951
Ion Ratio Lower Upper
106 100
91 226.3 106.7 319.9



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.51 min Scan# 1330

Delta R.T. -0.02 min

Lab File: VD062505.D

Acq: 22 May 2019 16:21

Instrument :

MSVOA_D

ClientSampleId :

P-3(0.5-1.0)

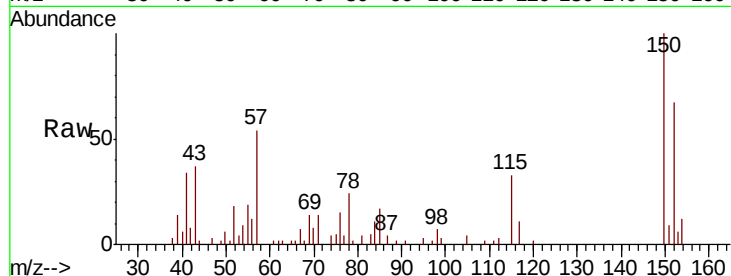
Tot Ion:152 Resp: 15713

Ion Ratio Lower Upper

152 100

115 49.7 30.9 92.7

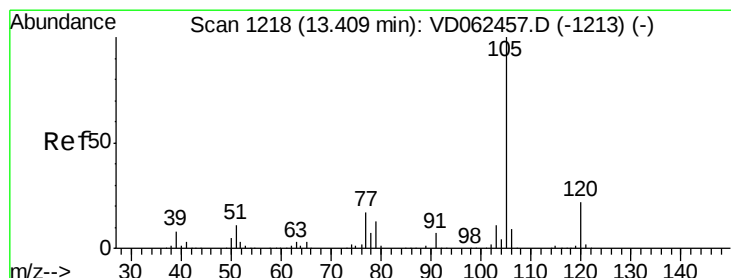
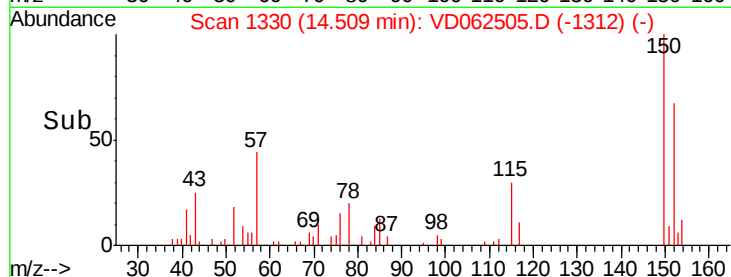
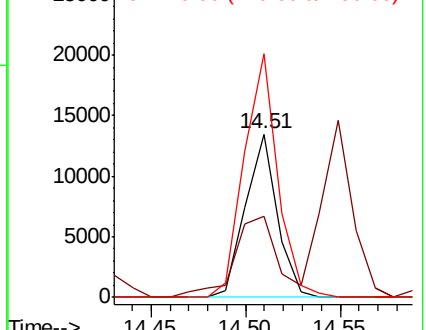
150 149.3 0.0 314.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 282.201 ug/l

RT: 13.39 min Scan# 1216

Delta R.T. -0.02 min

Lab File: VD062505.D

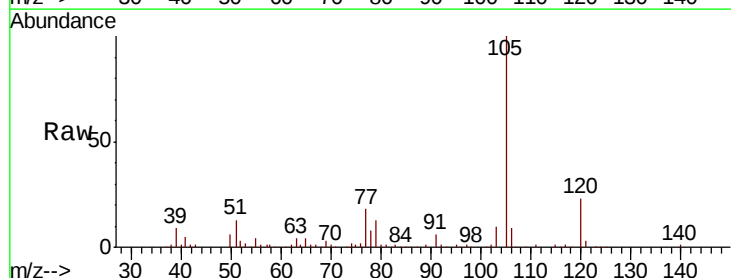
Acq: 22 May 2019 16:21

Tgt Ion:105 Resp: 279506

Ion Ratio Lower Upper

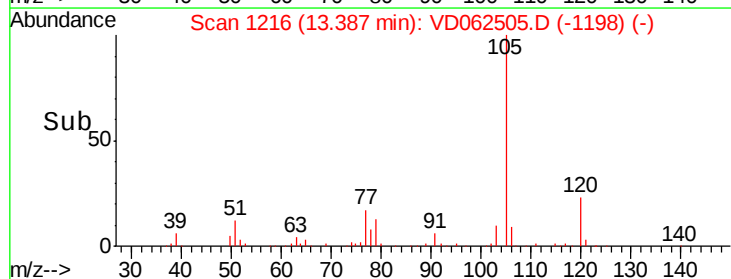
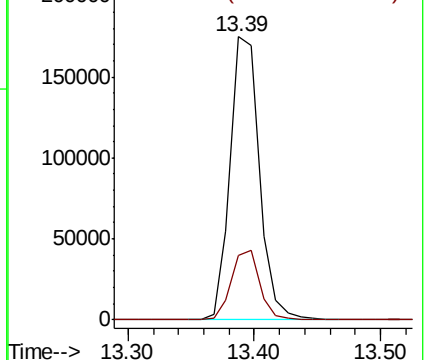
105 100

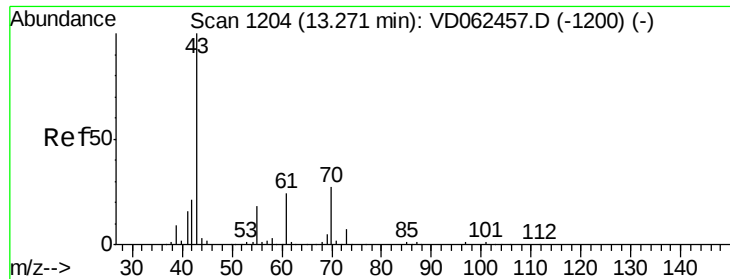
120 22.6 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#74

N-amvl acetate

Concen: 47.628 ug/l

RT: 13.29 min Scan# 1206

Delta R.T. 0.02 min

Lab File: VD062505.D

Acq: 22 May 2019 16:21

Instrument :

MSVOA_D

ClientSampleId :

P-3(0.5-1.0)

Tot Ion: 43 Resp: 11651

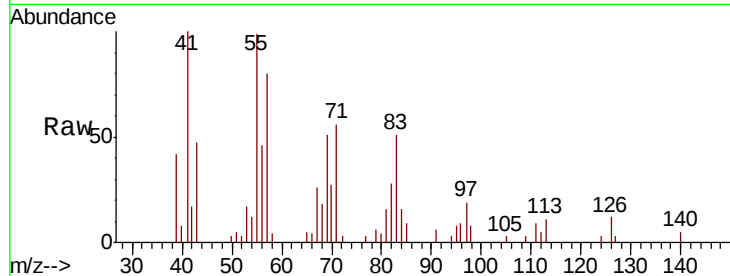
Ion Ratio Lower Upper

43 100

70 56.7 24.2 36.4#

55 210.9 16.0 24.0#

61 0.0 21.6 32.4#

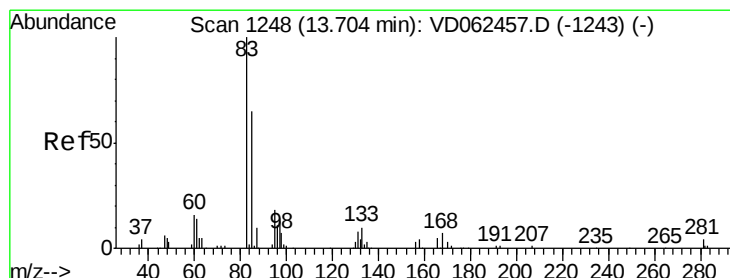
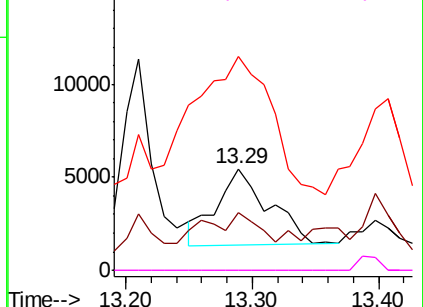
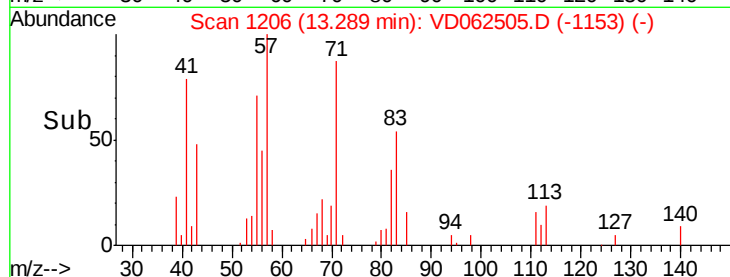


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC



#75

1,1,2,2-Tetrachloroethane

Concen: 7.941 ug/l

RT: 13.75 min Scan# 1253

Delta R.T. 0.05 min

Lab File: VD062505.D

Acq: 22 May 2019 16:21

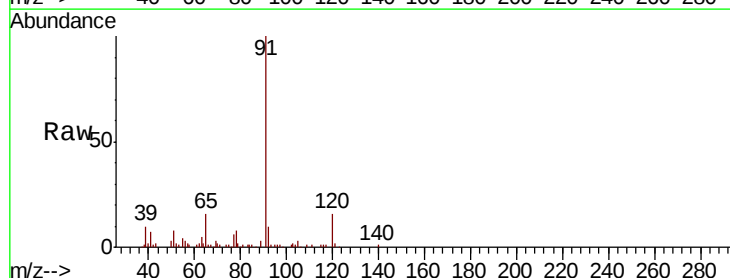
Tgt Ion: 83 Resp: 1419

Ion Ratio Lower Upper

83 100

131 0.0 5.0 14.9#

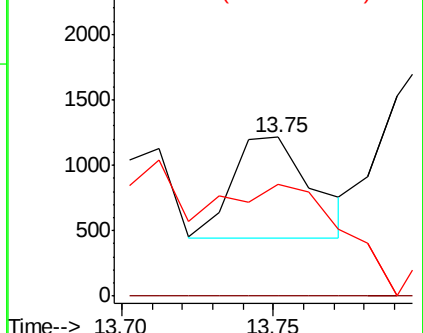
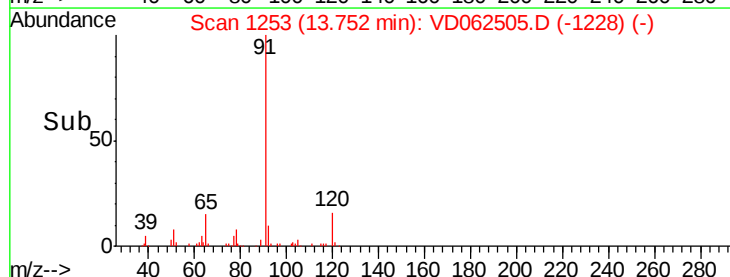
85 70.3 32.6 97.7

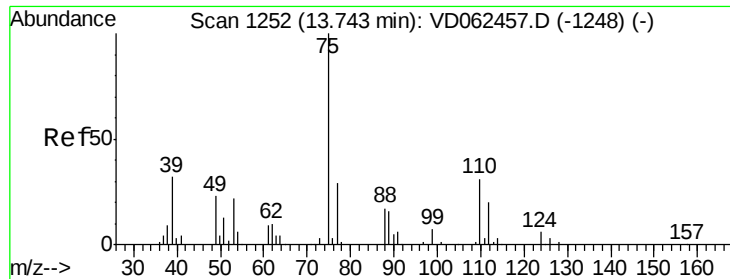


Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): V

Ion 84.95 (84.65 to 85.65): VDC

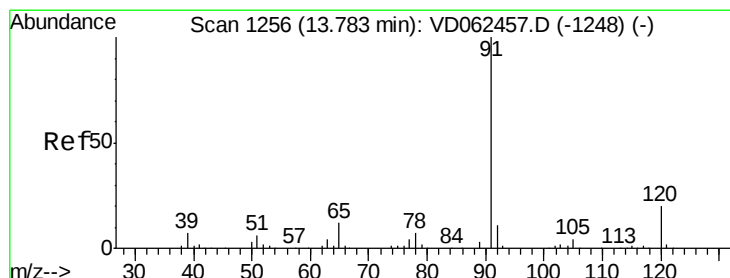
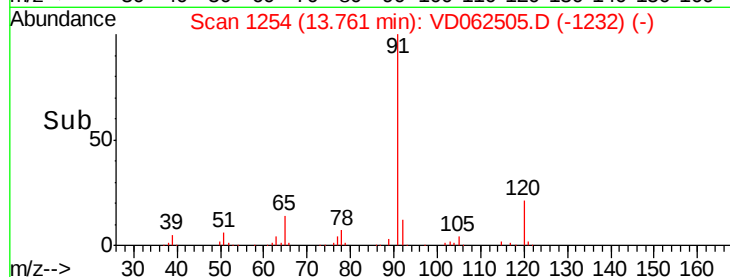
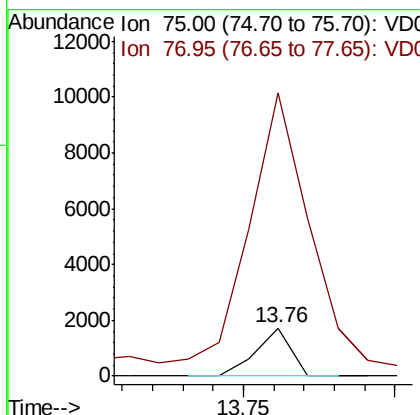
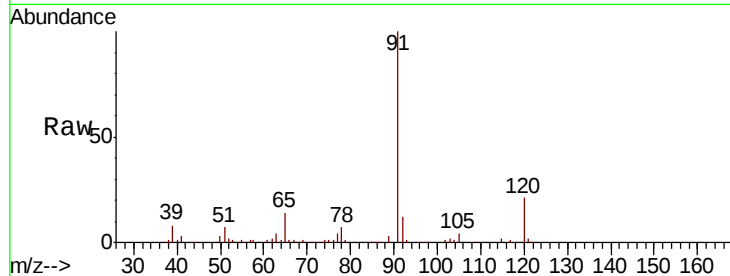




#76
 1,2,3-Trichloropropane
 Concen: 7.391 ug/l
 RT: 13.76 min Scan# 1254
 Delta R.T. 0.02 min
 Lab File: VD062505.D
 Acq: 22 May 2019 16:21

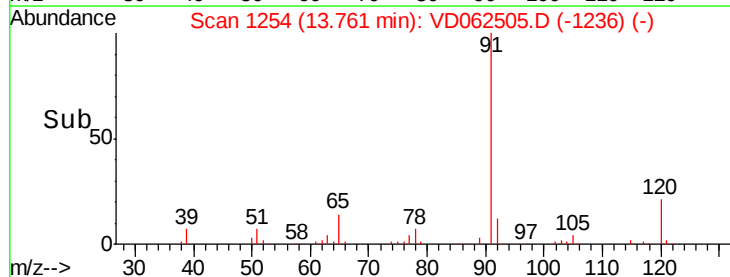
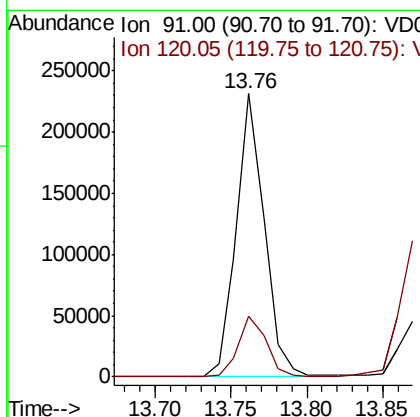
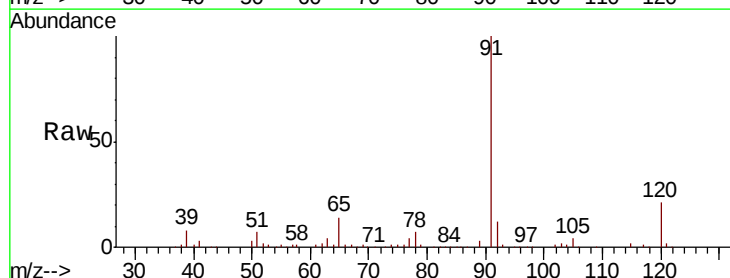
Instrument :
 MSVOA_D
 ClientSampleId :
 P-3(0.5-1.0)

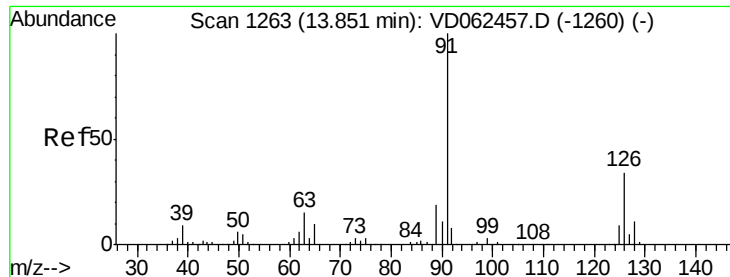
Tot Ion: 75 Resp: 1368
 Ion Ratio Lower Upper
 75 100
 77 591.3 16.4 49.4#



#78
 n-propylbenzene
 Concen: 258.296 ug/l
 RT: 13.76 min Scan# 1254
 Delta R.T. -0.02 min
 Lab File: VD062505.D
 Acq: 22 May 2019 16:21

Tgt Ion: 91 Resp: 296335
 Ion Ratio Lower Upper
 91 100
 120 21.4 11.1 33.1

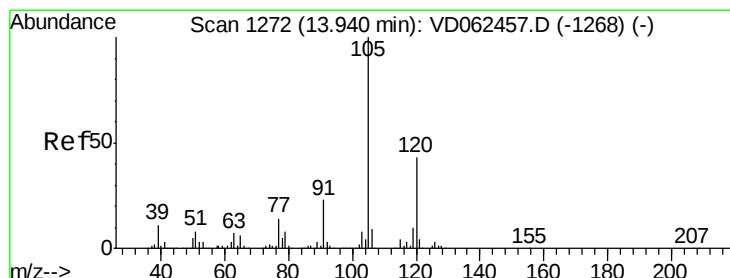
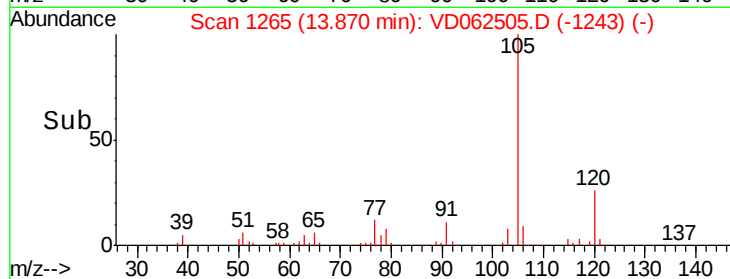
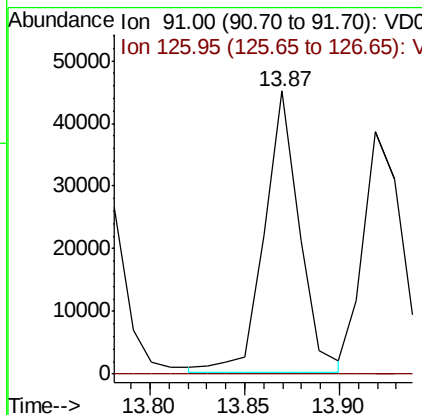
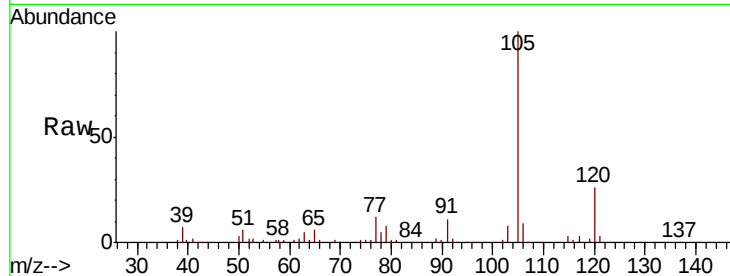




#79
 2-Chlorotoluene
 Concen: 82.652 ug/l
 RT: 13.87 min Scan# 1265
 Delta R.T. 0.02 min
 Lab File: VD062505.D
 Acq: 22 May 2019 16:21

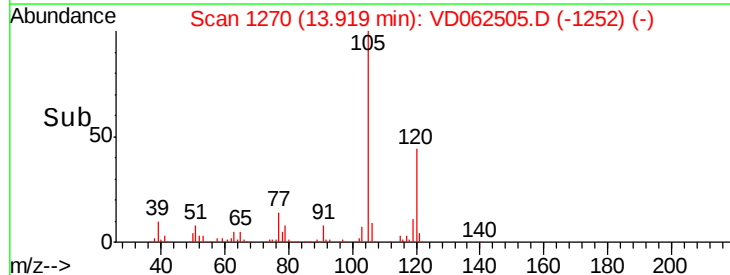
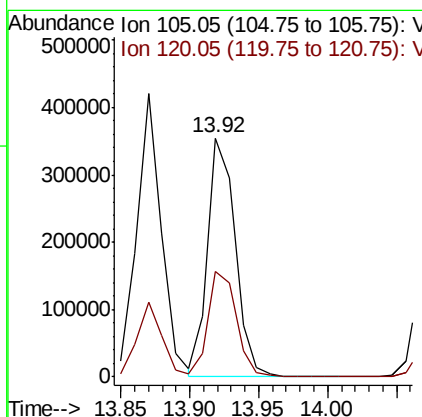
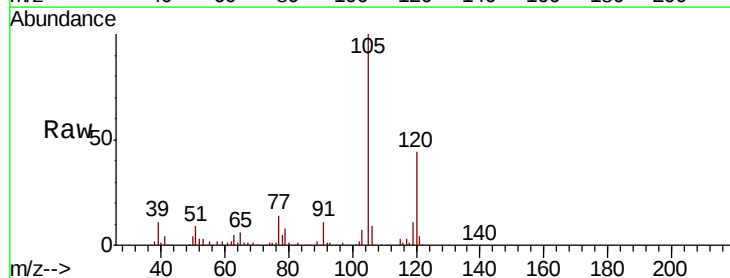
Instrument :
 MSVOA_D
 ClientSampleId :
 P-3(0.5-1.0)

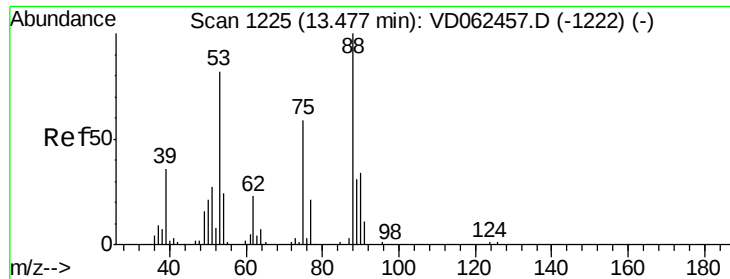
Tot Ion: 91 Resp: 57545
 Ion Ratio Lower Upper
 91 100
 126 0.0 18.6 55.8#



#80
 1,3,5-Trimethylbenzene
 Concen: 574.906 ug/l
 RT: 13.92 min Scan# 1270
 Delta R.T. -0.02 min
 Lab File: VD062505.D
 Acq: 22 May 2019 16:21

Tgt Ion: 105 Resp: 493028
 Ion Ratio Lower Upper
 105 100
 120 43.9 24.0 72.0





#81

trans-1,4-Dichloro-2-butene

Concen: 117.265 ug/l

RT: 13.54 min Scan# 1232

Delta R.T. 0.07 min

Lab File: VD062505.D

Acq: 22 May 2019 16:21

Instrument :

MSVOA_D

ClientSampleId :

P-3(0.5-1.0)

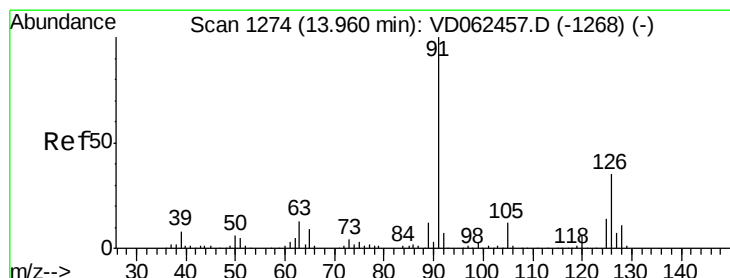
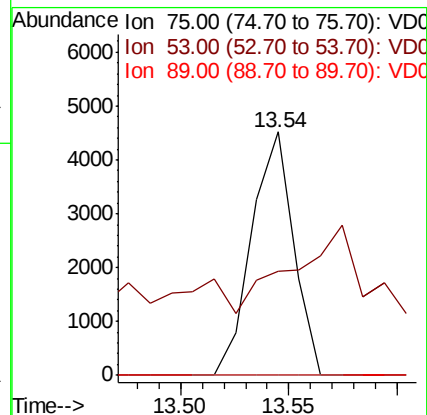
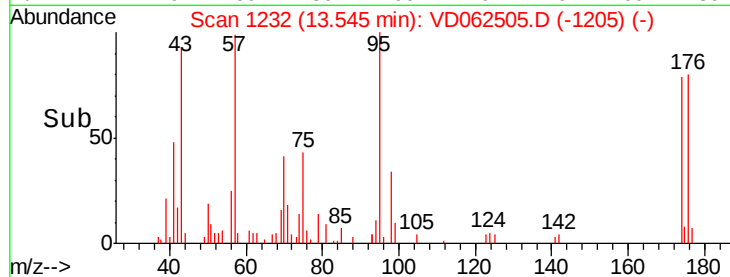
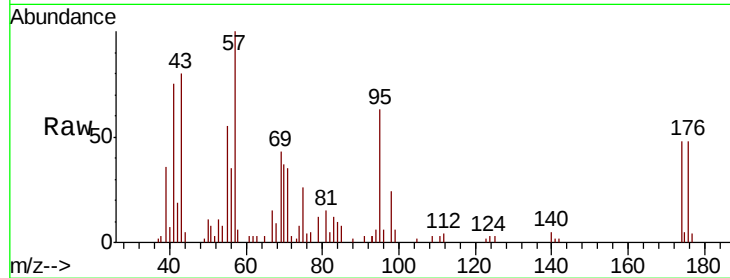
Tot Ion: 75 Resp: 6121

Ion Ratio Lower Upper

75 100

53 42.7 65.8 98.8#

89 0.0 35.0 52.6#



#82

4-Chlorotoluene

Concen: 68.886 ug/l

RT: 13.92 min Scan# 1270

Delta R.T. -0.04 min

Lab File: VD062505.D

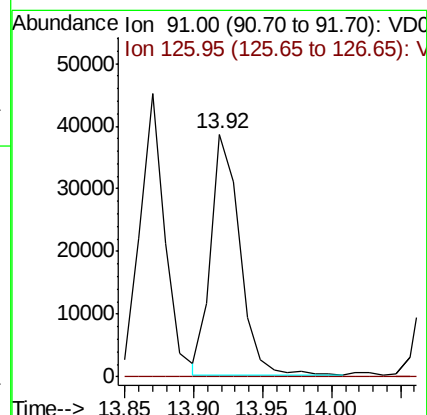
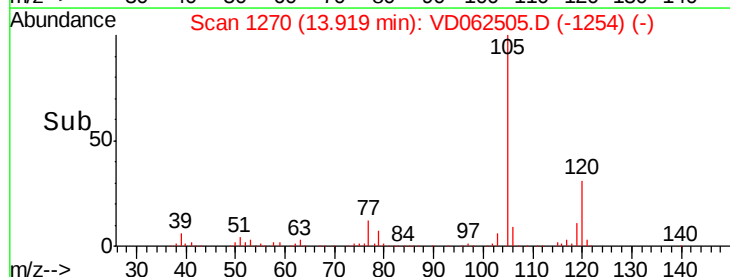
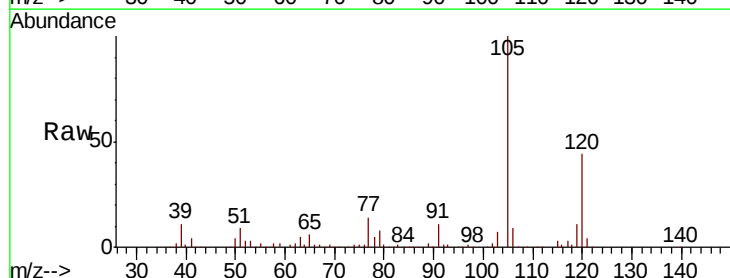
Acq: 22 May 2019 16:21

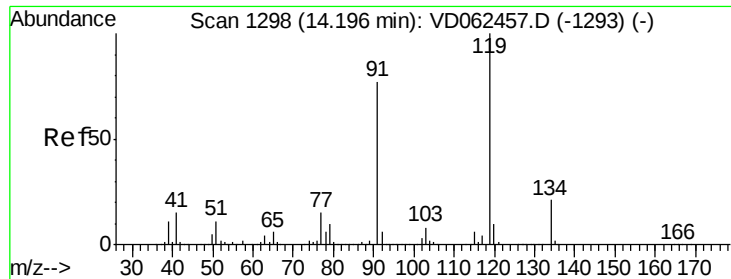
Tgt Ion: 91 Resp: 55234

Ion Ratio Lower Upper

91 100

126 0.0 19.1 57.5#

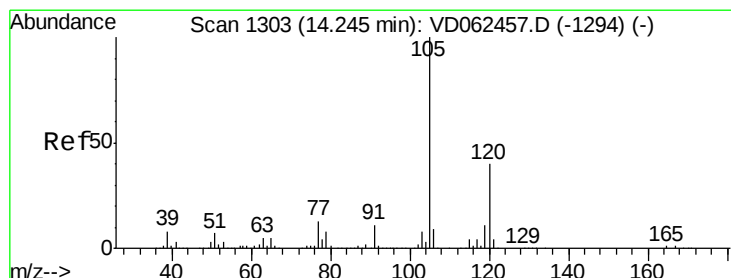
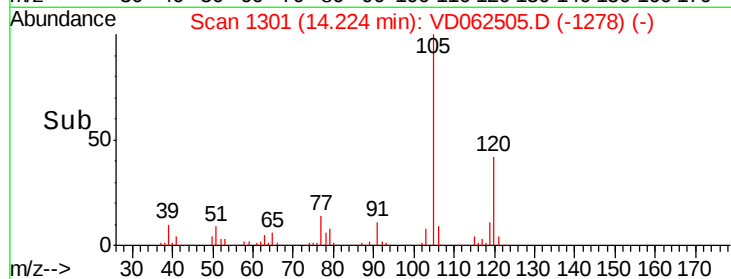
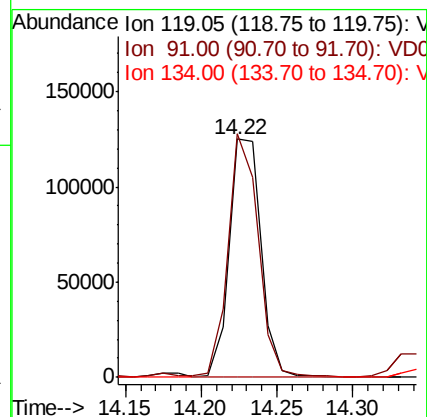
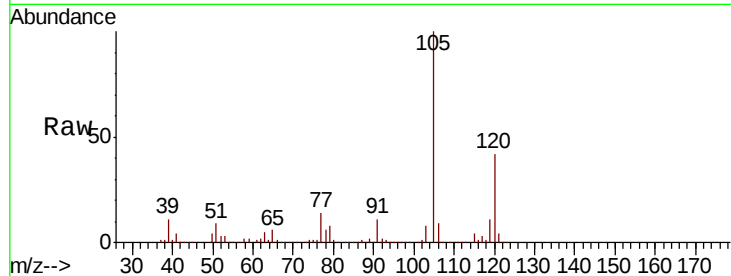




#83
 tert-Butylbenzene
 Concen: 191.318 ug/l
 RT: 14.22 min Scan# 1301
 Delta R.T. 0.03 min
 Lab File: VD062505.D
 Acq: 22 May 2019 16:21

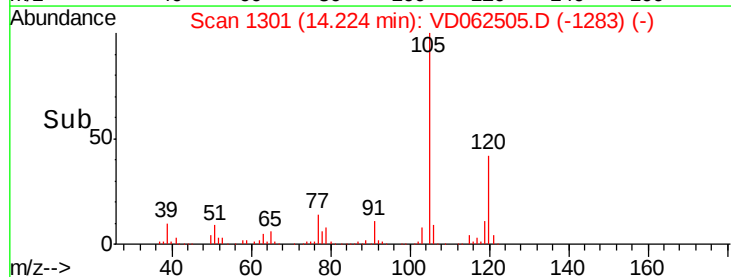
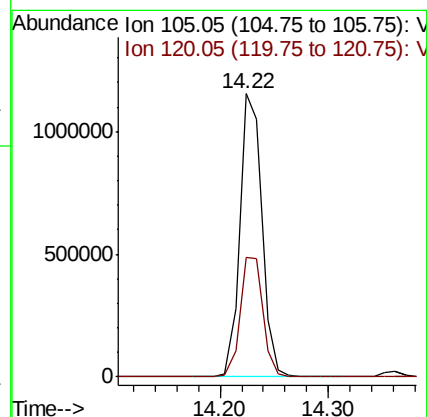
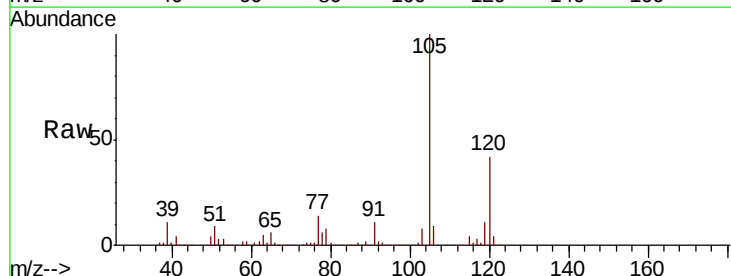
Instrument :
 MSVOA_D
 ClientSampleId :
 P-3(0.5-1.0)

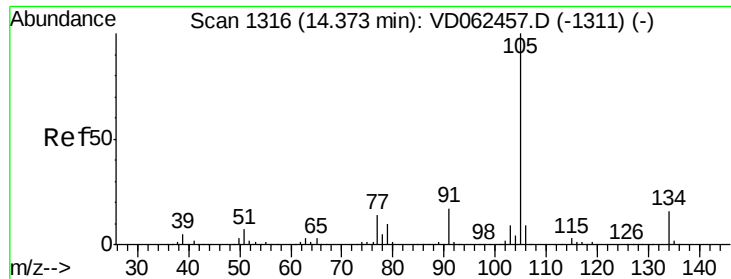
Tot Ion:119 Resp: 181993
 Ion Ratio Lower Upper
 119 100
 91 102.1 34.2 102.6
 134 0.0 12.0 36.0#



#84
 1,2,4-Trimethylbenzene
 Concen: 1859.163 ug/l
 RT: 14.22 min Scan# 1301
 Delta R.T. -0.02 min
 Lab File: VD062505.D
 Acq: 22 May 2019 16:21

Tgt Ion:105 Resp: 1633725
 Ion Ratio Lower Upper
 105 100
 120 42.1 23.1 69.2

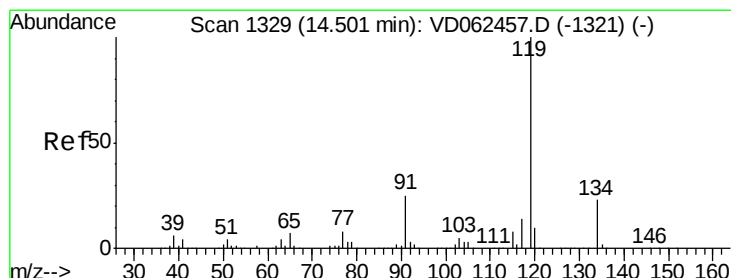
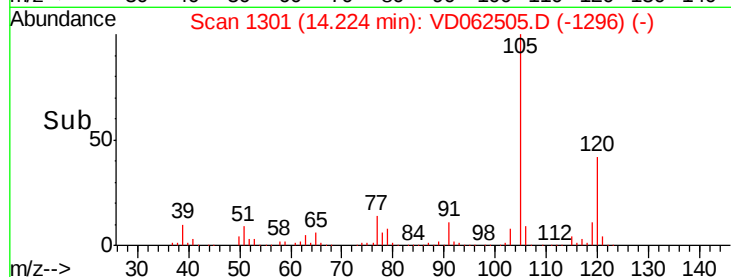
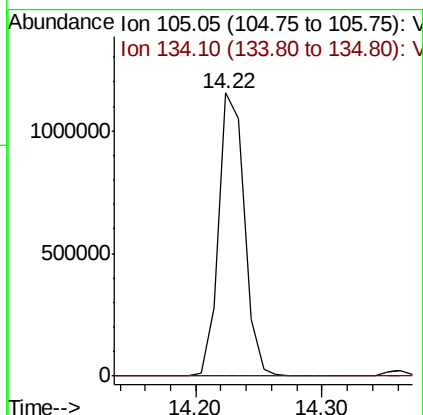
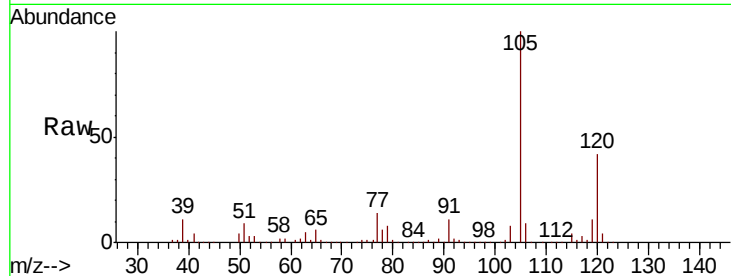




#85
 sec-Butylbenzene
 Concen: 1645.599 ug/l
 RT: 14.22 min Scan# 1301
 Delta R.T. -0.15 min
 Lab File: VD062505.D
 Acq: 22 May 2019 16:21

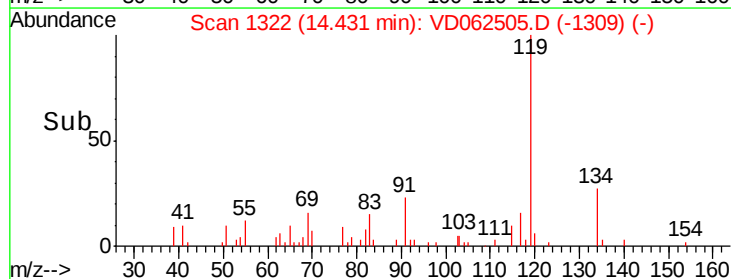
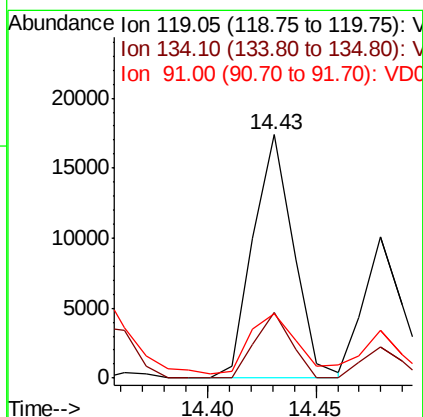
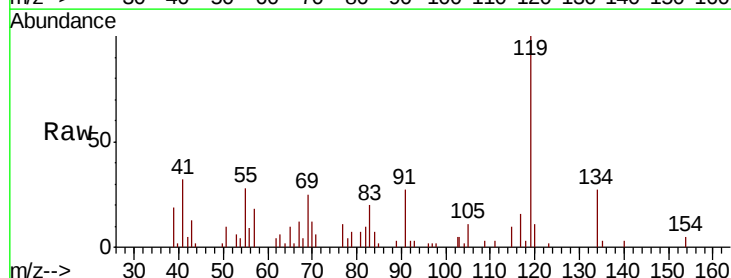
Instrument :
 MSVOA_D
 ClientSampleId :
 P-3(0.5-1.0)

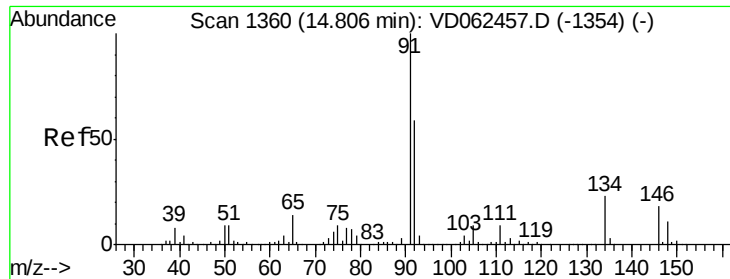
Tot Ion:105 Resp: 1632258
 Ion Ratio Lower Upper
 105 100
 134 0.0 8.9 26.7#



#86
 p-Isopropyltoluene
 Concen: 25.012 ug/l
 RT: 14.43 min Scan# 1322
 Delta R.T. -0.07 min
 Lab File: VD062505.D
 Acq: 22 May 2019 16:21

Tgt Ion:119 Resp: 22483
 Ion Ratio Lower Upper
 119 100
 134 26.9 12.8 38.3
 91 26.5 10.7 32.1





#89

n-Butylbenzene

Concen: 131.614 ug/l

RT: 14.77 min Scan# 1356

Delta R.T. -0.04 min

Lab File: VD062505.D

Acq: 22 May 2019 16:21

Instrument :

MSVOA_D

ClientSampleId :

P-3(0.5-1.0)

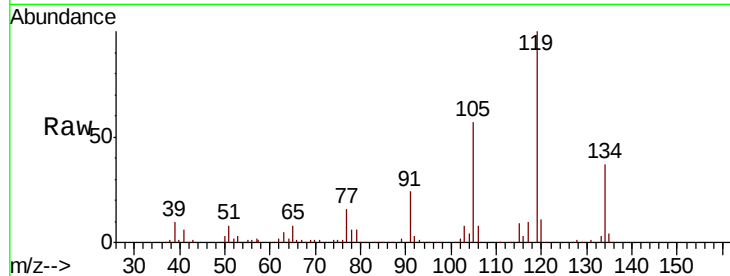
Tot Ion: 91 Resp: 114174

Ion Ratio Lower Upper

91 100

92 11.6 30.3 91.0#

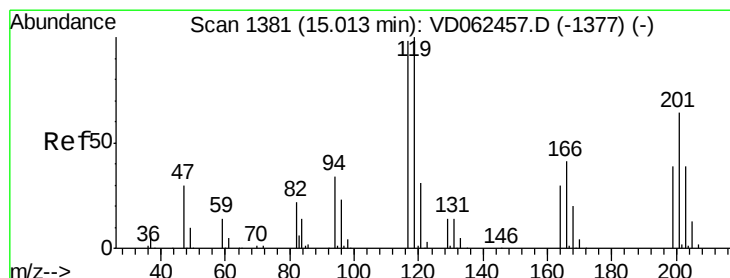
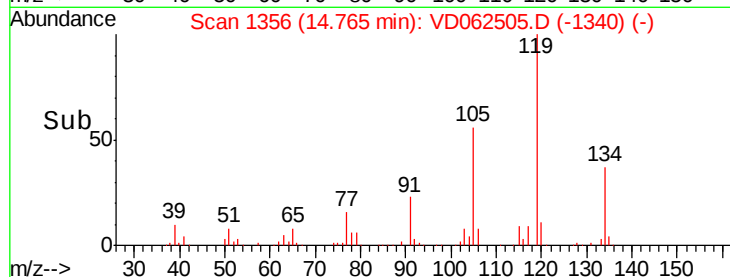
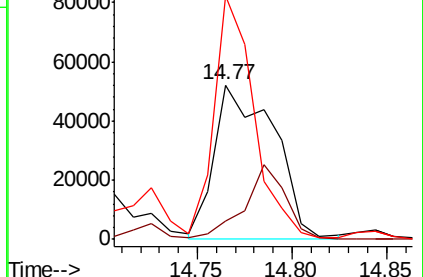
134 157.5 14.5 43.6#



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 119.970 ug/l

RT: 14.99 min Scan# 1379

Delta R.T. -0.02 min

Lab File: VD062505.D

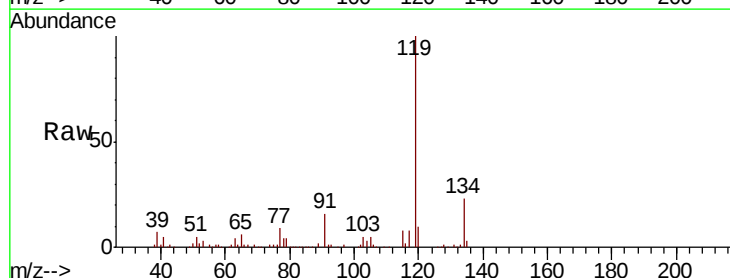
Acq: 22 May 2019 16:21

Tgt Ion: 117 Resp: 29803

Ion Ratio Lower Upper

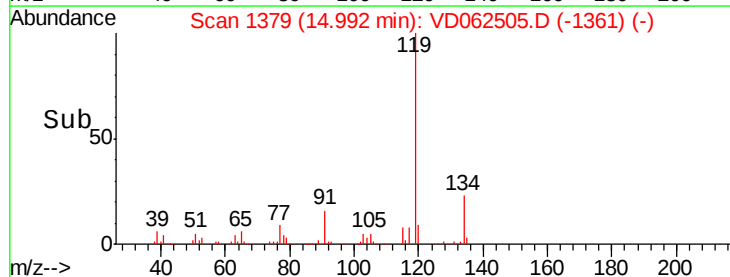
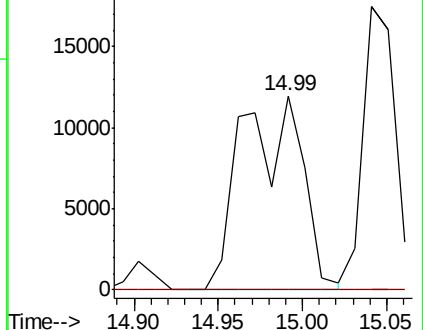
117 100

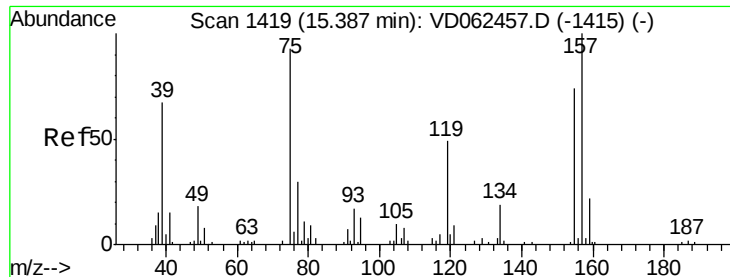
201 0.0 30.2 90.6#



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC





#92

1,2-Dibromo-3-Chloropropane

Concen: 64.629 ug/l

RT: 15.37 min Scan# 1417

Delta R.T. -0.02 min

Lab File: VD062505.D

Acq: 22 May 2019 16:21

Instrument :

MSVOA_D

ClientSampleId :

P-3(0.5-1.0)

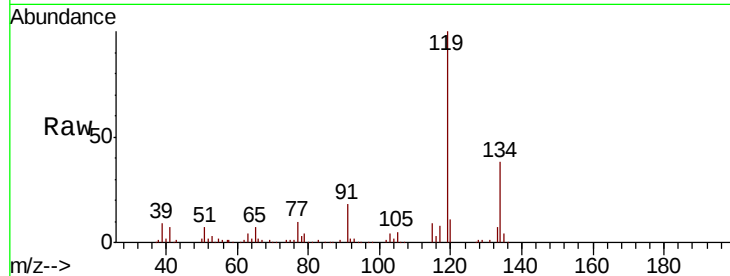
Tot Ion: 75 Resp: 2192

Ion Ratio Lower Upper

75 100

155 0.0 55.3 165.8#

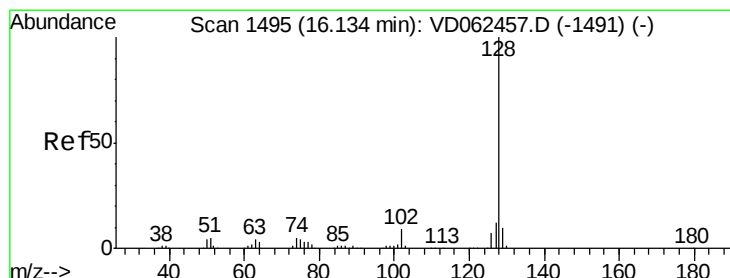
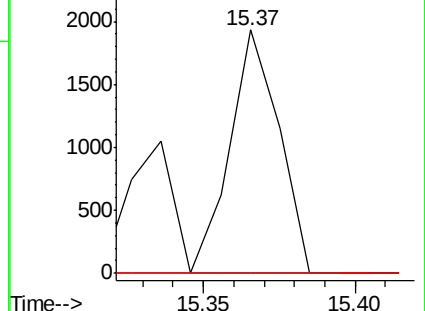
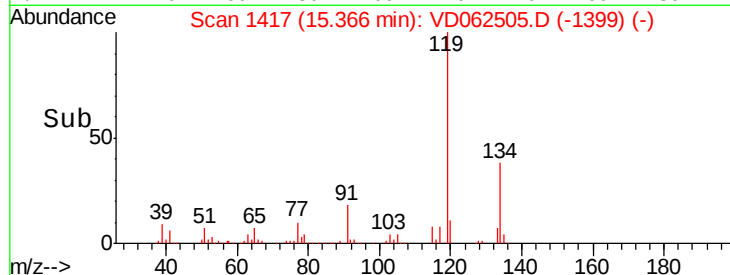
157 0.0 67.8 203.2#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V



#95

Naphthalene

Concen: 1320.982 ug/l

RT: 16.11 min Scan# 1493

Delta R.T. -0.02 min

Lab File: VD062505.D

Acq: 22 May 2019 16:21

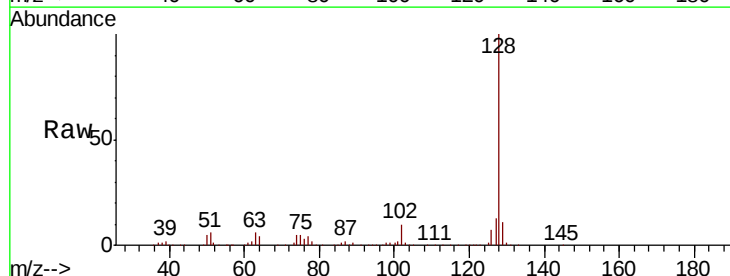
Tgt Ion: 128 Resp: 599635

Ion Ratio Lower Upper

128 100

127 12.9 9.8 14.8

129 10.9 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

