

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092719\
 Data File : VN058416.D
 Acq On : 27 Sep 2019 18:19
 Operator : JC/SP
 Sample : K5054-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PAT-091019-B

Quant Time: Sep 28 00:06:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 27 23:01:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	492707	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	775418	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	659093	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	276522	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	337334	48.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.32%	
35) Dibromofluoromethane	7.58	113	236266	50.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.14%	
50) Toluene-d8	10.08	98	958079	52.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.50%	
62) 4-Bromofluorobenzene	12.41	95	317306	46.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.44%	

Target Compounds						Qvalue
5) Bromomethane	2.54	94	606	0.275	ug/l #	66
11) Tert butyl alcohol	4.76	59	68511	84.083	ug/l #	86
13) Acrolein	3.77	56	259	1.812	ug/l #	13
16) Acetone	3.80	43	38111	15.964	ug/l	93
17) Carbon Disulfide	4.04	76	4083	0.615	ug/l #	74
18) Methyl Acetate	4.32	43	1276	0.207	ug/l #	77
20) Methylene Chloride	4.54	84	6706	1.403	ug/l	92
25) 2-Butanone	6.81	43	671	0.208	ug/l #	50
28) Bromochloromethane	7.18	49	977	0.234	ug/l #	43
29) Tetrahydrofuran	7.19	42	15933	7.936	ug/l #	82
30) Chloroform	7.35	83	16079	1.647	ug/l	91
31) Cyclohexane	7.64	56	73671	9.997	ug/l #	92
36) 1,1-Dichloropropene	7.65	75	42114	7.028	ug/l #	54
38) Carbon Tetrachloride	7.65	117	49063	8.337	ug/l #	15
39) Methylcyclohexane	9.07	83	134976	20.852	ug/l	98
40) Benzene	8.03	78	8692	0.484	ug/l	93
41) Methacrylonitrile	7.19	41	11063	3.941	ug/l #	38
43) Isopropyl Acetate	8.13	43	4085	0.370	ug/l #	63
48) Methyl methacrylate	9.13	41	2589	0.517	ug/l #	13
49) 1,4-Dioxane	9.20	88	65	0.819	ug/l #	44
51) 4-Methyl-2-Pentanone	9.98	43	5425	0.936	ug/l	99
52) Toluene	10.15	92	13343	1.193	ug/l	97
55) 1,1,2-Trichloroethane	10.53	97	10371	2.162	ug/l #	17
56) Ethyl methacrylate	10.43	69	5403	0.775	ug/l #	12
59) 2-Hexanone	10.61	43	12826	2.986	ug/l	73
67) Ethyl Benzene	11.51	91	50411	2.443	ug/l	98
68) m/p-Xylenes	11.63	106	9878	1.269	ug/l	94
69) o-Xylene	11.95	106	17373	2.282	ug/l	95
70) Styrene	11.97	104	3834	0.295	ug/l #	33
73) Isopropylbenzene	12.25	105	19150	1.070	ug/l	97
76) 1,2,3-Trichloropropane	12.41	75	173079	34.480	ug/l #	100
78) n-propylbenzene	12.60	91	8449	0.415	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	51923	3.442	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.41	75	173079	112.099	ug/l #	7

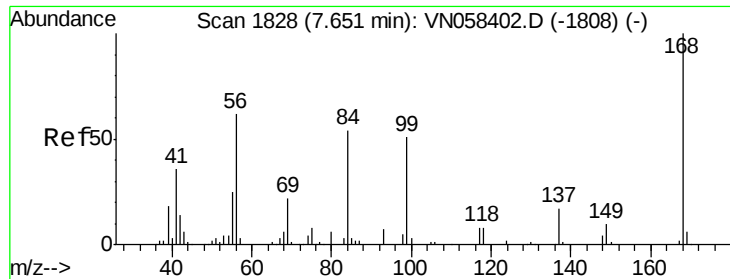
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092719\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
84) 1,2,4-Trimethylbenzene	13.05	105	16764	1.116	ug/l	97
85) sec-Butylbenzene	13.05	105	16764	0.962	ug/l #	58
86) p-Isopropyltoluene	13.30	119	21205	1.372	ug/l	98
88) 1,4-Dichlorobenzene	13.37	146	1951	0.237	ug/l #	1
89) n-Butylbenzene	13.55	91	152231	10.537	ug/l #	44
90) Hexachloroethane	13.90	117	8656	3.618	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	14.28	75	336	0.320	ug/l #	37
93) 1,2,4-Trichlorobenzene	14.92	180	4233	0.836	ug/l #	52
94) Hexachlorobutadiene	15.02	225	520	0.212	ug/l	71
95) Naphthalene	15.14	128	39932	3.050	ug/l	96
96) 1,2,3-Trichlorobenzene	15.30	180	5203	1.094	ug/l #	63

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN058416.D

Acq: 27 Sep 2019 18:19

Instrument :

MSVOA_N

ClientSampleId :

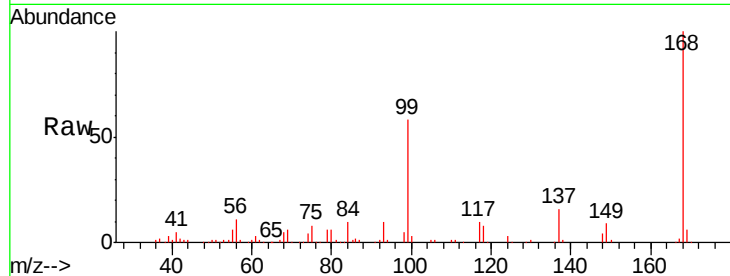
PAT-091019-B

Tgt Ion:168 Resp: 492707

Ion Ratio Lower Upper

168 100

99 58.1 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): VN058416.D (-1735) (-)

Ion 98.90 (98.60 to 99.60): VN058416.D (-1735) (-)

7.65

200000

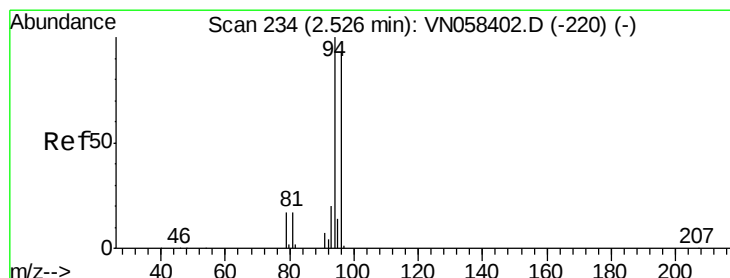
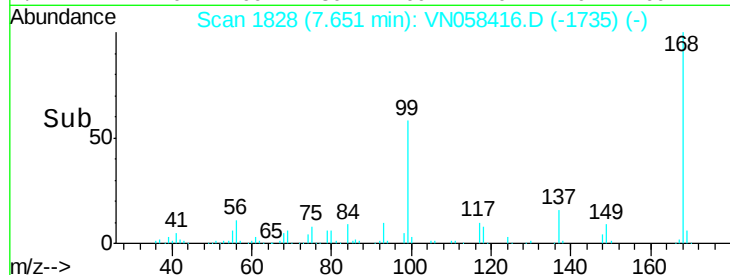
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.275 ug/l

RT: 2.54 min Scan# 240

Delta R.T. 0.02 min

Lab File: VN058416.D

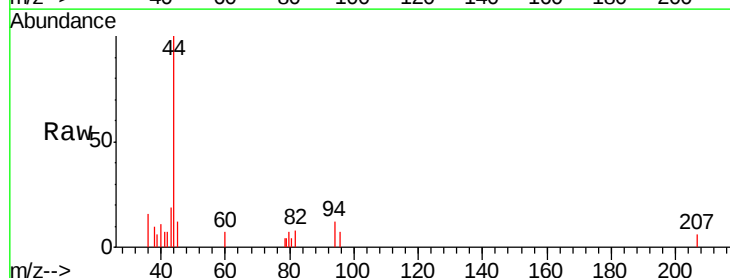
Acq: 27 Sep 2019 18:19

Tgt Ion: 94 Resp: 606

Ion Ratio Lower Upper

94 100

96 60.7 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VN058416.D (-141) (-)

Ion 95.90 (95.60 to 96.60): VN058416.D (-141) (-)

2.54

500

400

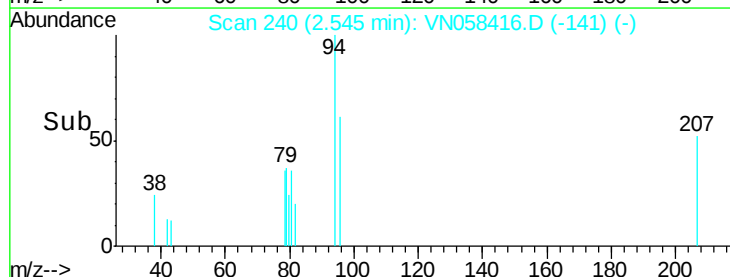
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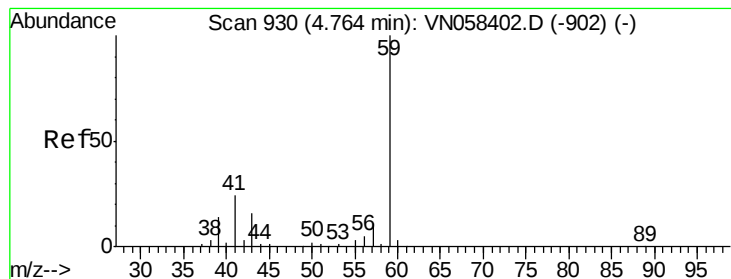
200

100

0

Time-->



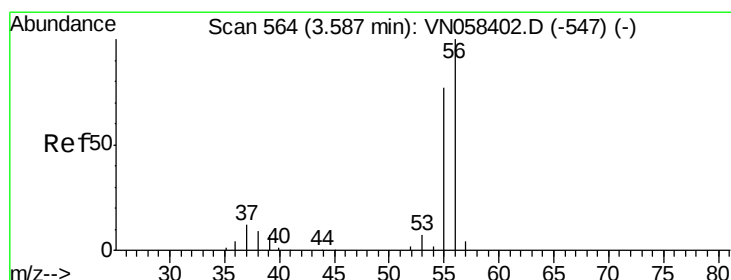
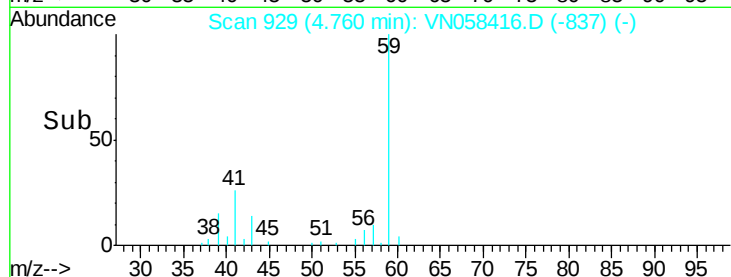
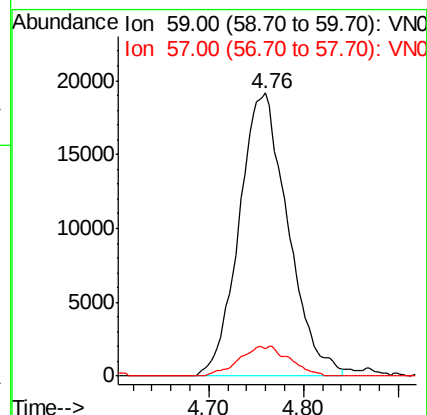
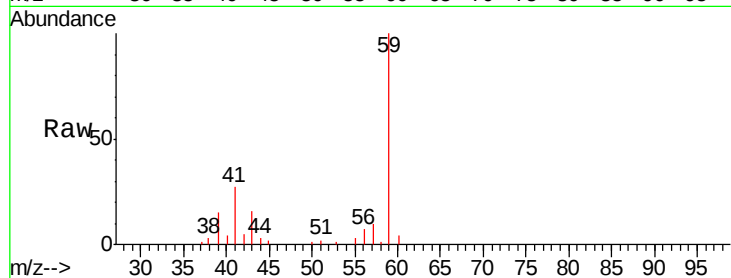


#11

Tert butyl alcohol
 Concen: 84.083 ug/l
 RT: 4.76 min Scan# 929
 Delta R.T. -0.00 min
 Lab File: VN058416.D
 Acq: 27 Sep 2019 18:19

Instrument :
 MSVOA_N
 ClientSampleId :
 PAT-091019-B

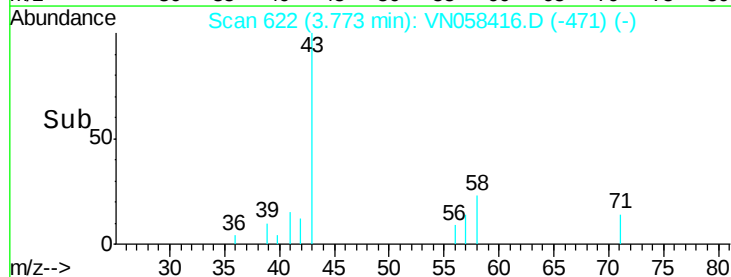
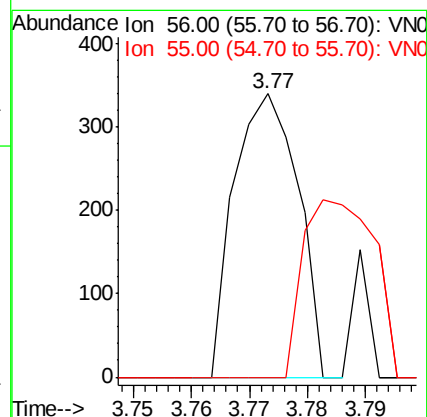
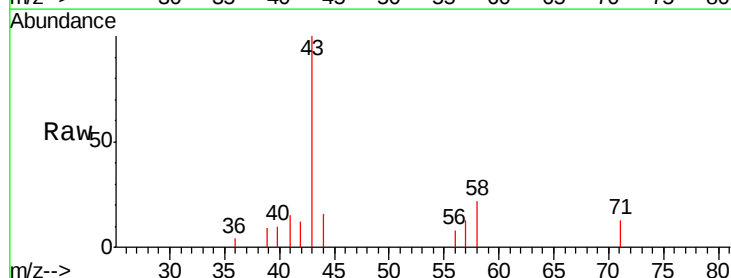
Tgt Ion: 59 Resp: 68511
 Ion Ratio Lower Upper
 59 100
 57 5.9 9.0 13.4#

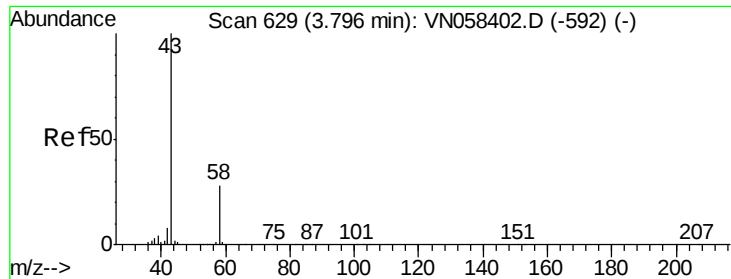


#13

Acrolein
 Concen: 1.812 ug/l
 RT: 3.77 min Scan# 622
 Delta R.T. 0.19 min
 Lab File: VN058416.D
 Acq: 27 Sep 2019 18:19

Tgt Ion: 56 Resp: 259
 Ion Ratio Lower Upper
 56 100
 55 0.0 58.3 87.5#





#16

Acetone

Concen: 15.964 ug/l

RT: 3.80 min Scan# 630

Delta R.T. 0.00 min

Lab File: VN058416.D

Acq: 27 Sep 2019 18:19

Instrument :

MSVOA_N

ClientSampled :

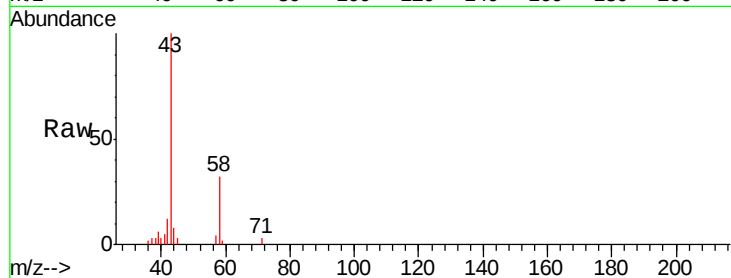
PAT-091019-B

Tgt Ion: 43 Resp: 38111

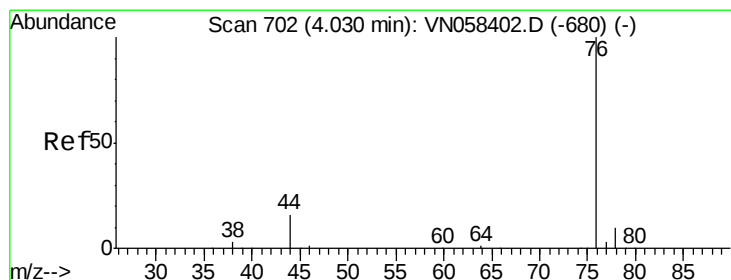
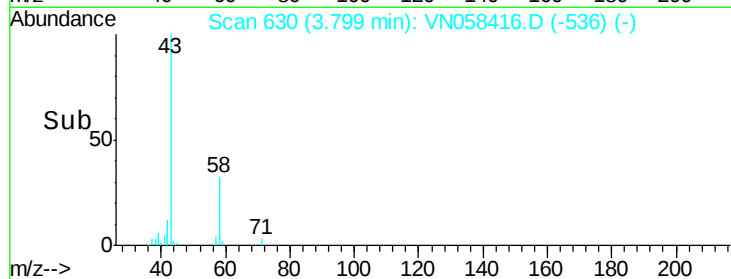
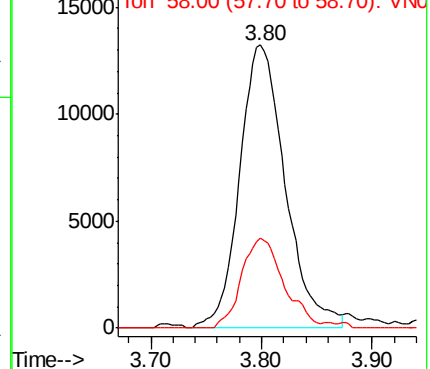
Ion Ratio Lower Upper

43 100

58 31.6 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VN058416.D (-536) (-)



#17

Carbon Disulfide

Concen: 0.615 ug/l

RT: 4.04 min Scan# 704

Delta R.T. 0.01 min

Lab File: VN058416.D

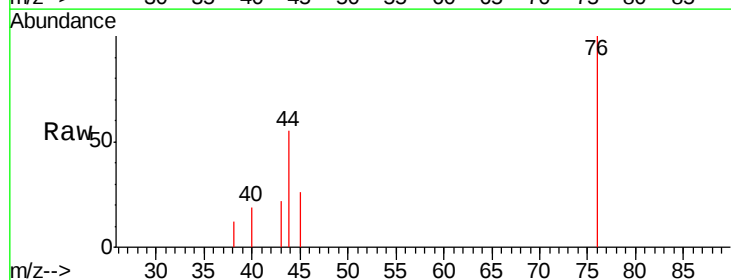
Acq: 27 Sep 2019 18:19

Tgt Ion: 76 Resp: 4083

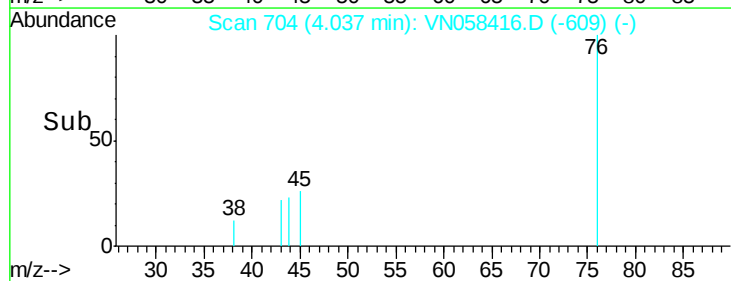
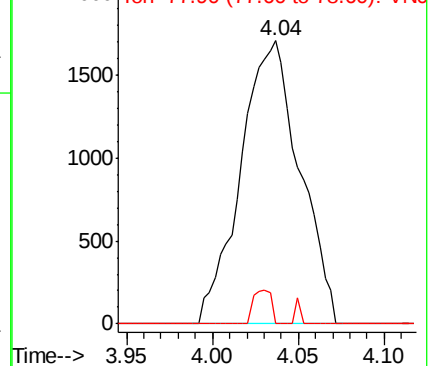
Ion Ratio Lower Upper

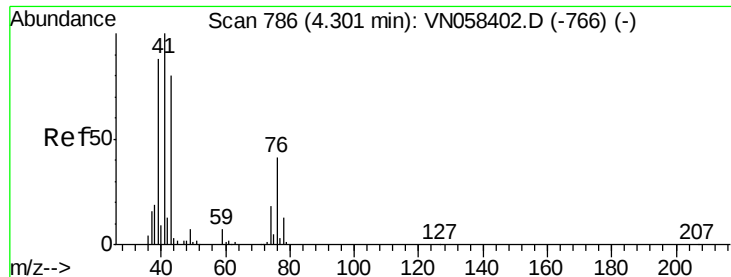
76 100

78 0.0 7.7 11.5#



Abundance Ion 75.90 (75.60 to 76.60): VN058416.D (-609) (-)





#18

Methyl Acetate

Concen: 0.207 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.02 min

Lab File: VN058416.D

Acq: 27 Sep 2019 18:19

Instrument :

MSVOA_N

ClientSampleId :

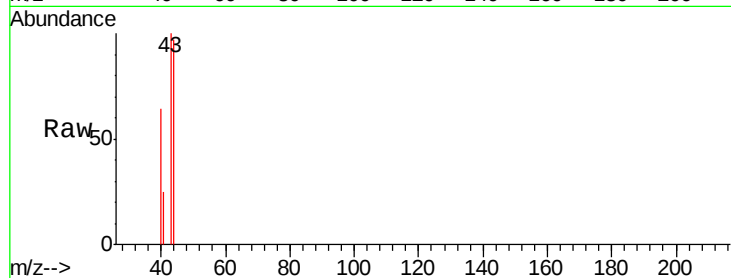
PAT-091019-B

Tgt Ion: 43 Resp: 1276

Ion Ratio Lower Upper

43 100

74 11.2 18.0 27.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.32

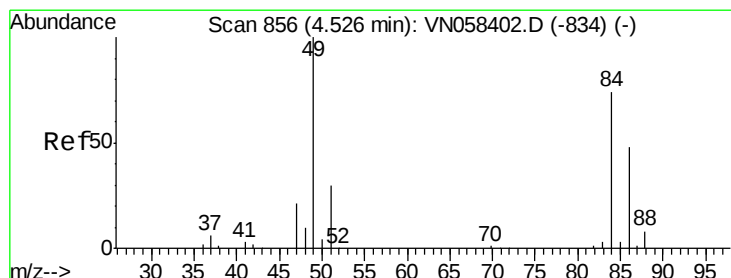
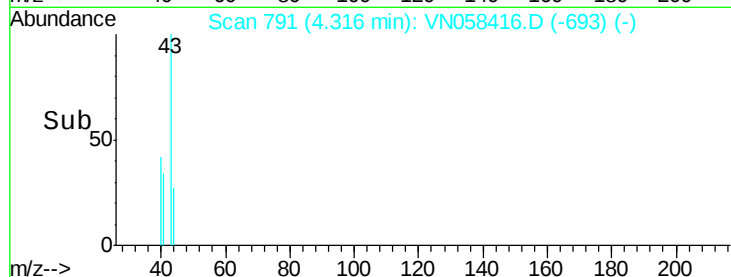
600

400

200

0

Time--> 4.25 4.30 4.35



#20

Methylene Chloride

Concen: 1.403 ug/l

RT: 4.54 min Scan# 859

Delta R.T. 0.01 min

Lab File: VN058416.D

Acq: 27 Sep 2019 18:19

Tgt Ion: 84 Resp: 6706

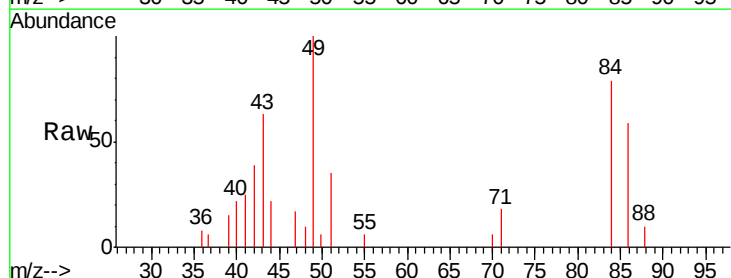
Ion Ratio Lower Upper

84 100

49 127.1 107.9 161.9

51 43.9 32.8 49.2

86 75.0 51.5 77.3



Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0

4000

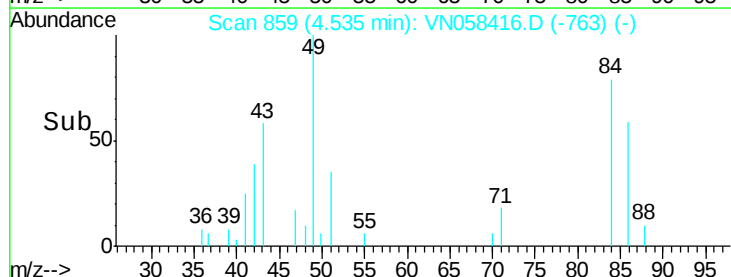
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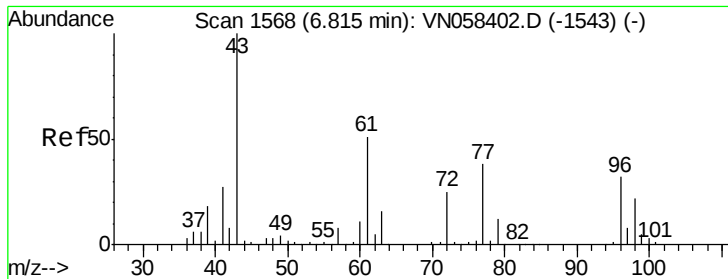
2000

1000

0

Time--> 4.45 4.50 4.55 4.60





#25

2-Butanone

Concen: 0.208 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.01 min

Lab File: VN058416.D

Acq: 27 Sep 2019 18:19

Instrument :

MSVOA_N

ClientSampleId :

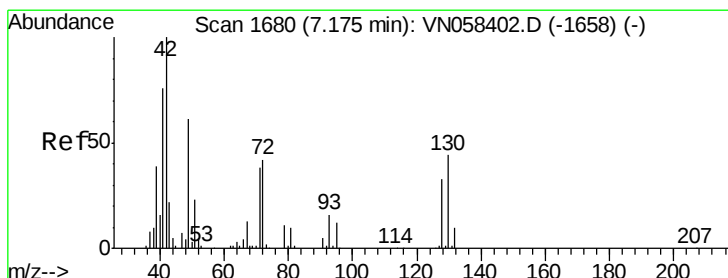
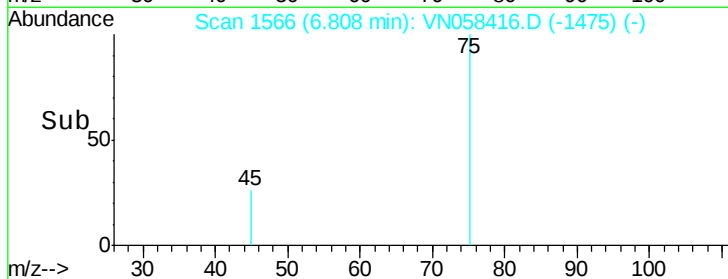
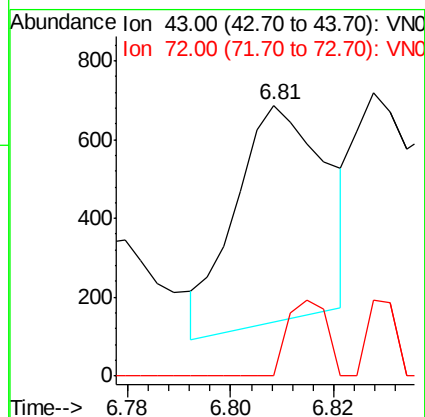
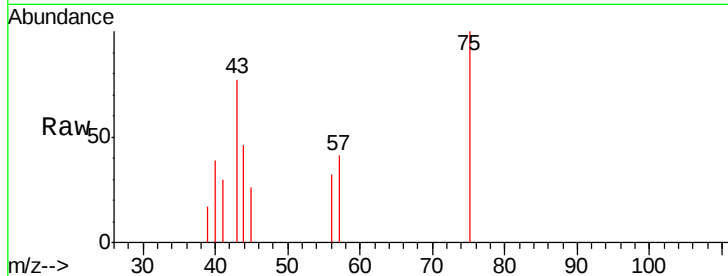
PAT-091019-B

Tgt Ion: 43 Resp: 671

Ion Ratio Lower Upper

43 100

72 0.0 20.2 30.4#



#28

Bromochloromethane

Concen: 0.234 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN058416.D

Acq: 27 Sep 2019 18:19

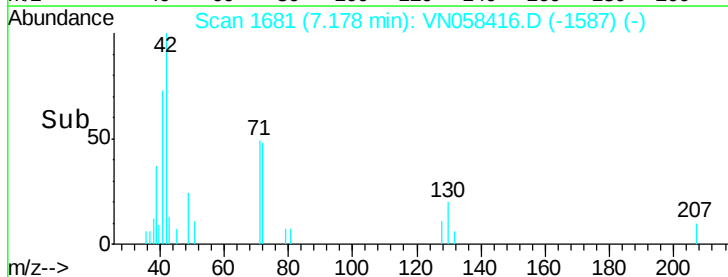
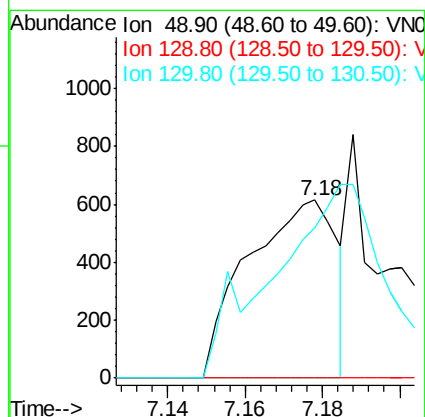
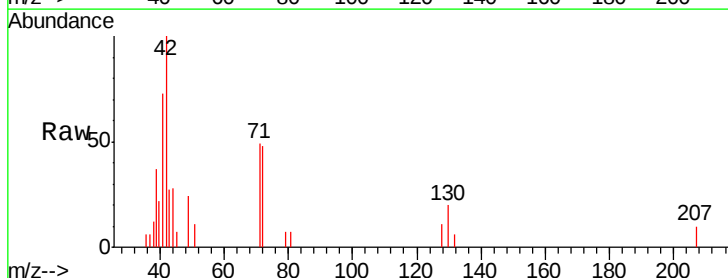
Tgt Ion: 49 Resp: 977

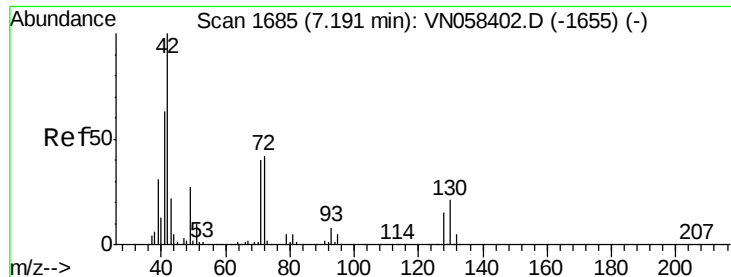
Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.4

130 118.4 56.3 84.5#

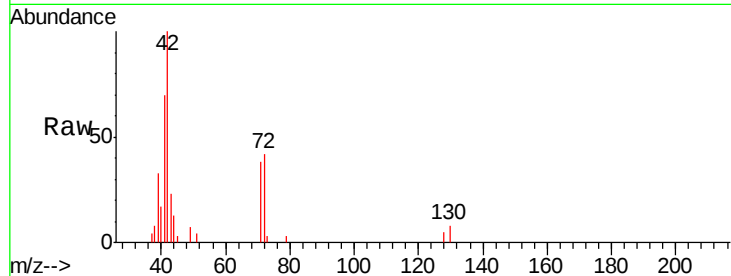




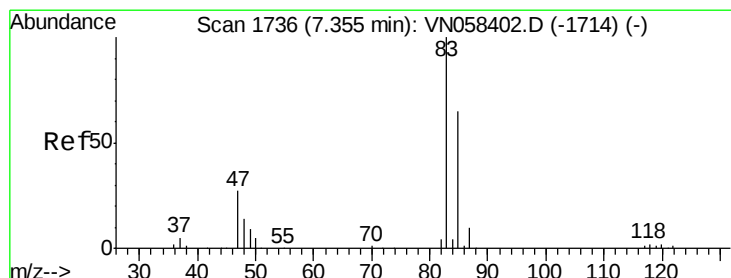
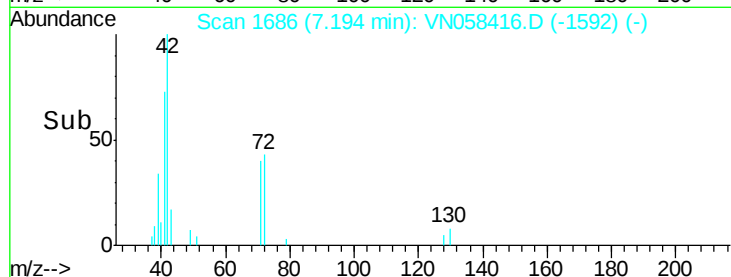
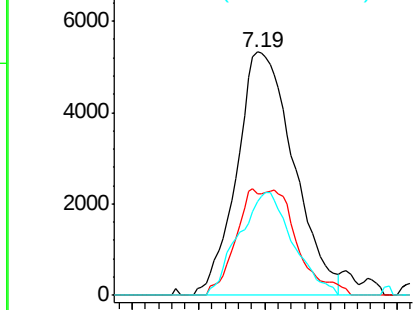
#29
Tetrahydrofuran
Concen: 7.936 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN058416.D
Acq: 27 Sep 2019 18:19

Instrument :
MSVOA_N
ClientSampled :
PAT-091019-B

Tgt Ion: 42 Resp: 15933
Ion Ratio Lower Upper
42 100
72 20.1 33.7 50.5#
71 39.9 31.8 47.6

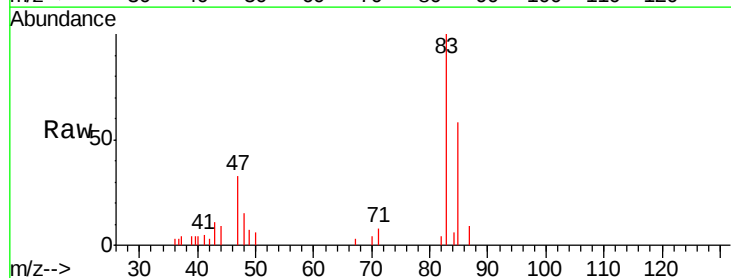


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

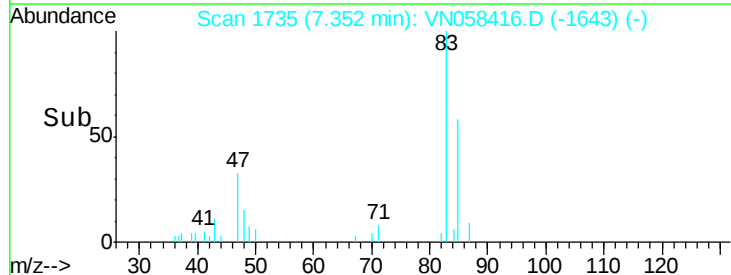
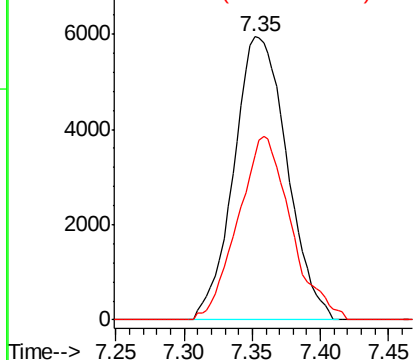


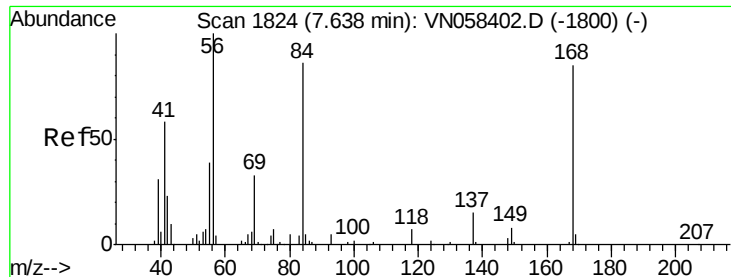
#30
Chloroform
Concen: 1.647 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. -0.00 min
Lab File: VN058416.D
Acq: 27 Sep 2019 18:19

Tgt Ion: 83 Resp: 16079
Ion Ratio Lower Upper
83 100
85 58.1 52.0 78.0



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 9.997 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN058416.D

Acq: 27 Sep 2019 18:19

Instrument :

MSVOA_N

ClientSampleId :

PAT-091019-B

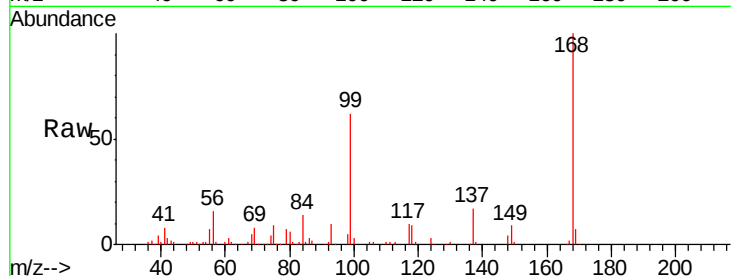
Tgt Ion: 56 Resp: 73671

Ion Ratio Lower Upper

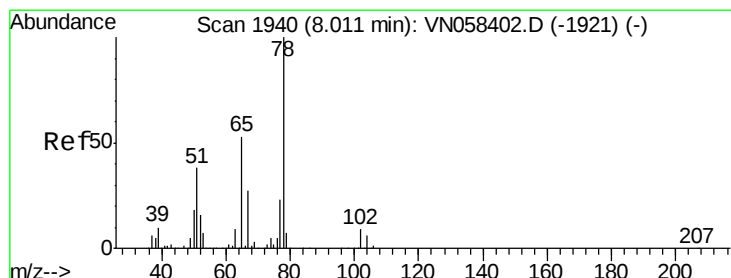
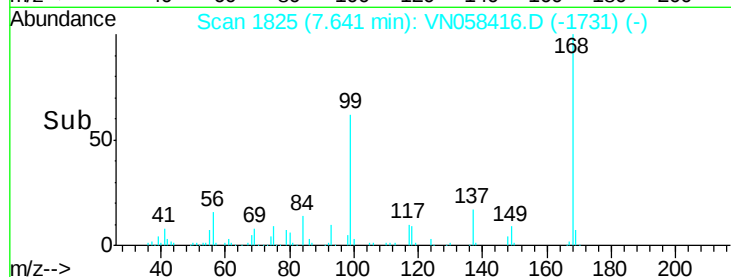
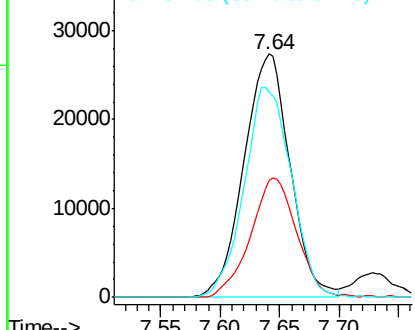
56 100

69 47.8 26.2 39.4#

84 84.3 67.6 101.4



Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC



#33

1,2-Dichloroethane-d4

Concen: 48.657 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. 0.00 min

Lab File: VN058416.D

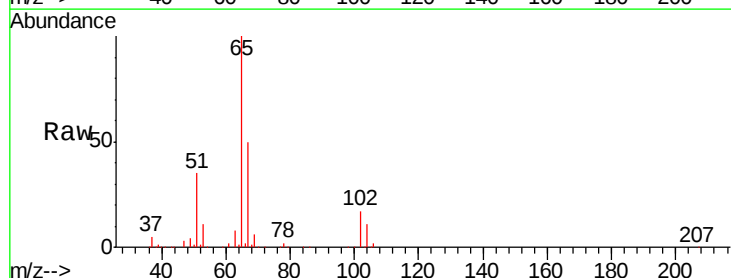
Acq: 27 Sep 2019 18:19

Tgt Ion: 65 Resp: 337334

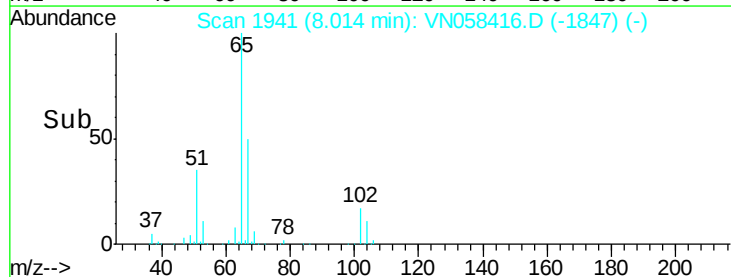
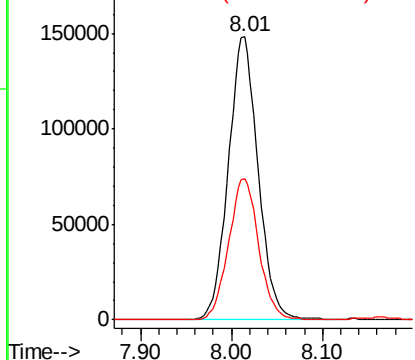
Ion Ratio Lower Upper

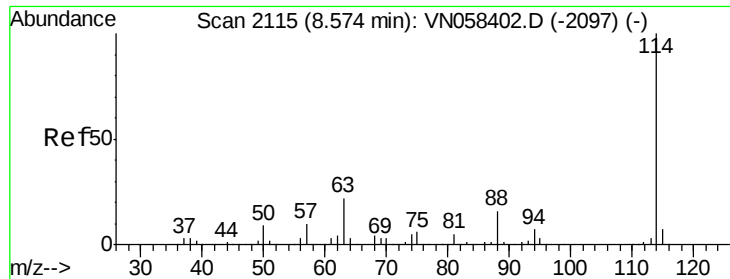
65 100

67 50.6 0.0 102.4



Abundance Ion 64.90 (64.60 to 65.60): VNC
Ion 66.90 (66.60 to 67.60): VNC

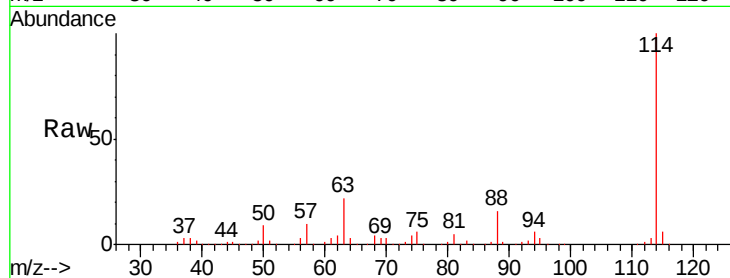




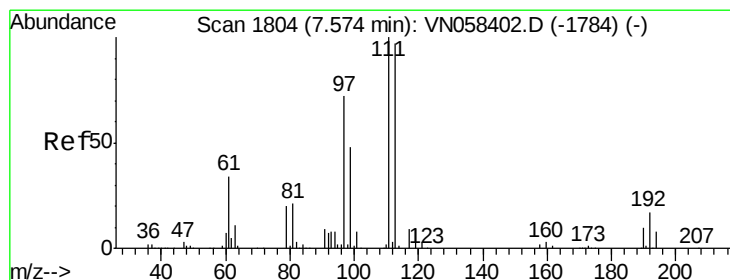
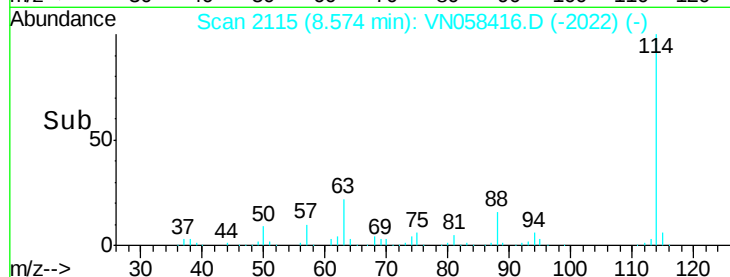
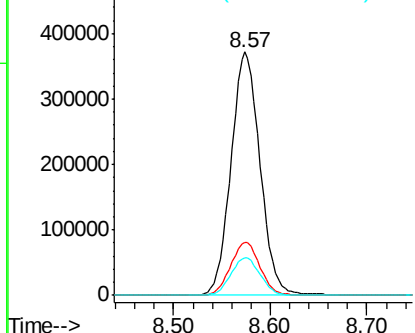
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058416.D
 Acq: 27 Sep 2019 18:19

Instrument :
 MSVOA_N
 ClientSampleId :
 PAT-091019-B

Tgt Ion:114 Resp: 775418
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 45.0
 88 15.7 0.0 32.2

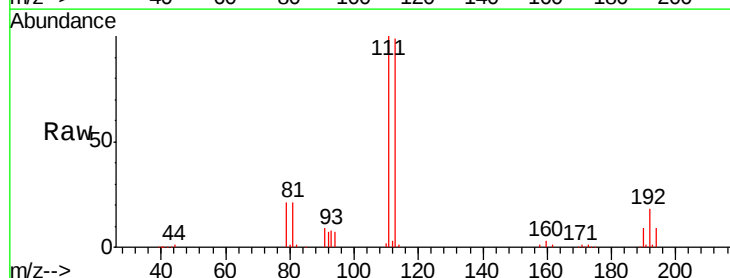


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

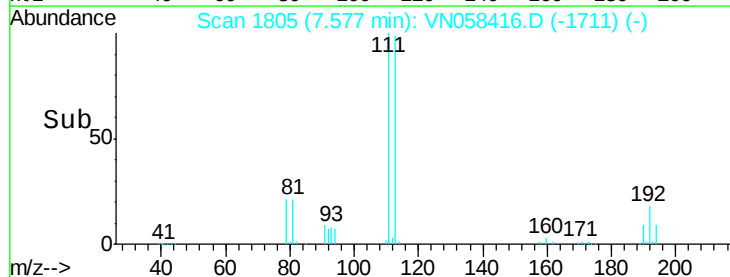
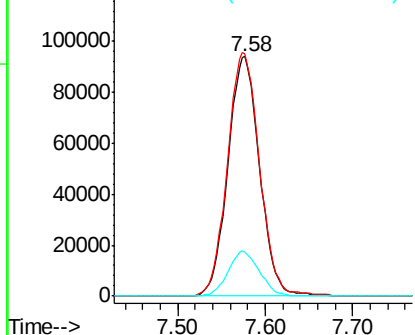


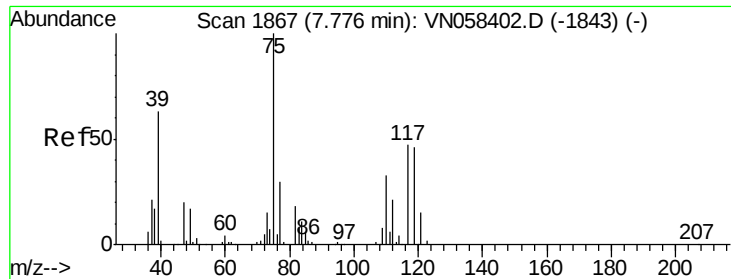
#35
 Dibromofluoromethane
 Concen: 50.071 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN058416.D
 Acq: 27 Sep 2019 18:19

Tgt Ion:113 Resp: 236266
 Ion Ratio Lower Upper
 113 100
 111 103.4 83.4 125.2
 192 18.6 14.9 22.3



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 7.028 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.13 min

Lab File: VN058416.D

Acq: 27 Sep 2019 18:19

Instrument :

MSVOA_N

ClientSampleId :

PAT-091019-B

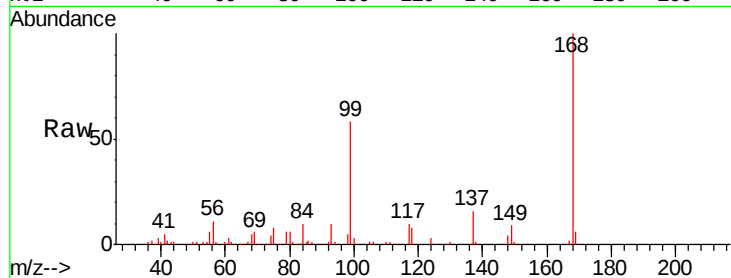
Tgt Ion: 75 Resp: 42114

Ion Ratio Lower Upper

75 100

110 9.3 16.4 49.2#

77 2.4 24.3 36.5#

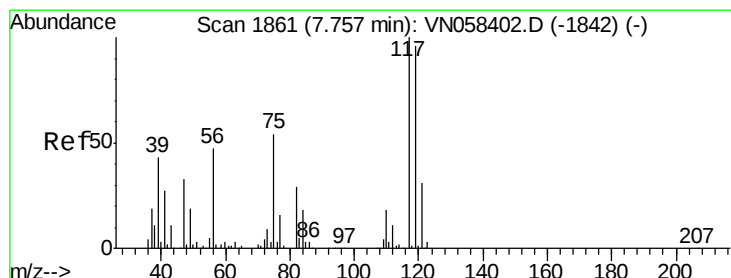
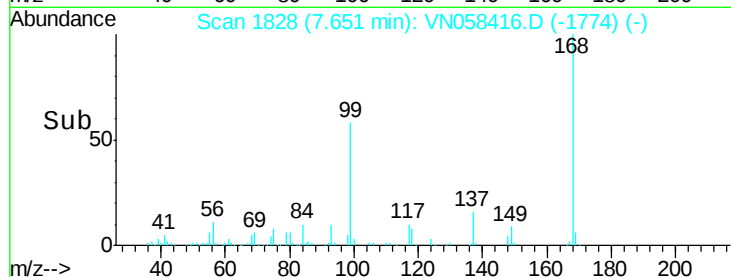


Abundance Ion 74.90 (74.60 to 75.60): VN058416.D (-1774) (-)

Ion 109.90 (109.60 to 110.60): VN058416.D (-1774) (-)

Ion 76.90 (76.60 to 77.60): VN058416.D (-1774) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 8.337 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.11 min

Lab File: VN058416.D

Acq: 27 Sep 2019 18:19

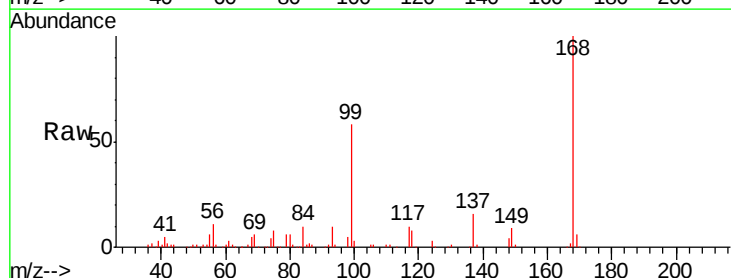
Tgt Ion: 117 Resp: 49063

Ion Ratio Lower Upper

117 100

119 3.8 76.6 115.0#

121 0.0 24.7 37.1#

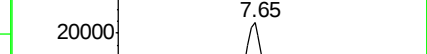
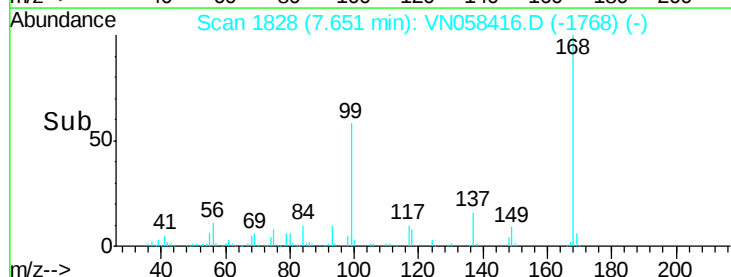


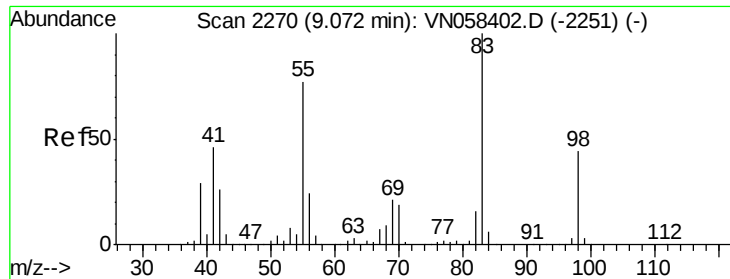
Abundance Ion 116.80 (116.50 to 117.50): VN058416.D (-1768) (-)

Ion 118.80 (118.50 to 119.50): VN058416.D (-1768) (-)

Ion 120.80 (120.50 to 121.50): VN058416.D (-1768) (-)

Time-->

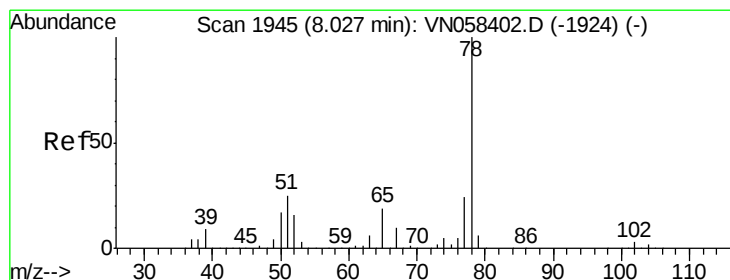
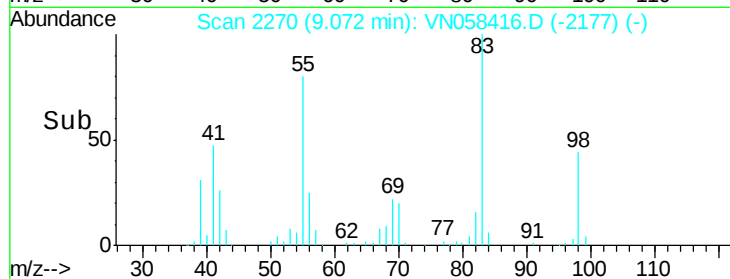
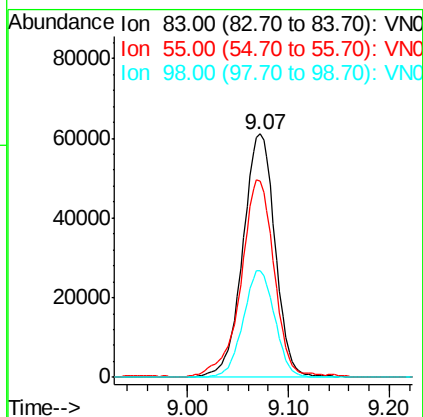
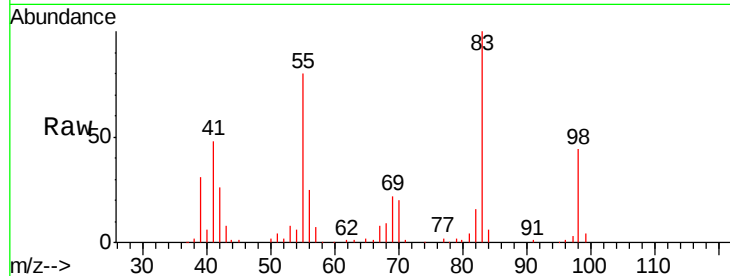




#39
Methylcyclohexane
Concen: 20.852 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. -0.00 min
Lab File: VN058416.D
Acq: 27 Sep 2019 18:19

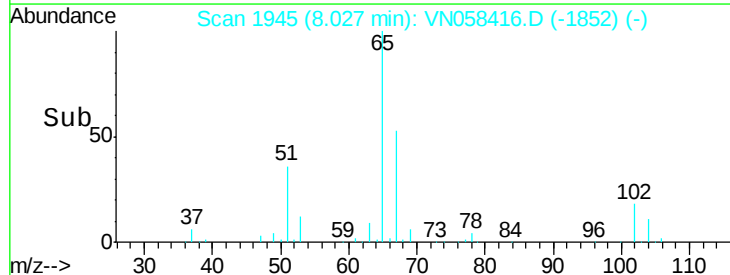
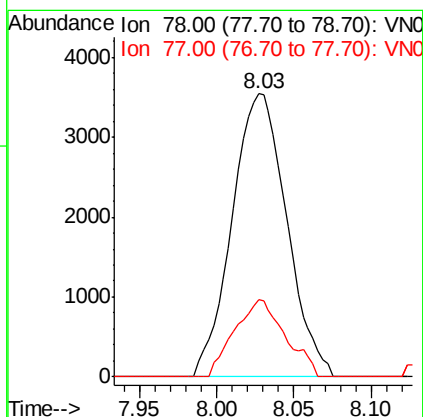
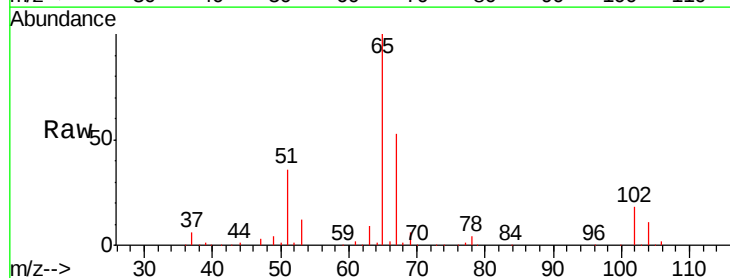
Instrument :
MSVOA_N
ClientSampleId :
PAT-091019-B

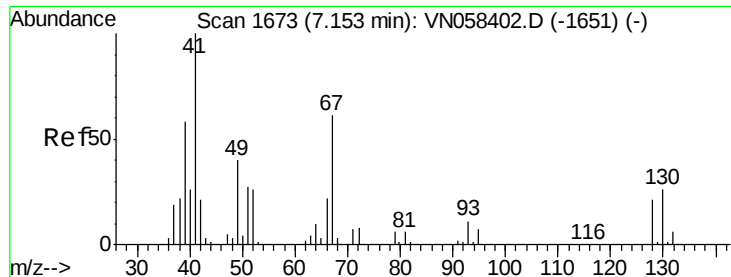
Tgt Ion: 83 Resp: 134976
Ion Ratio Lower Upper
83 100
55 79.9 61.8 92.6
98 44.0 35.4 53.0



#40
Benzene
Concen: 0.484 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN058416.D
Acq: 27 Sep 2019 18:19

Tgt Ion: 78 Resp: 8692
Ion Ratio Lower Upper
78 100
77 27.2 18.9 28.3





#41

Methacrylonitrile

Concen: 3.941 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.04 min

Lab File: VN058416.D

Acq: 27 Sep 2019 18:19

Instrument :

MSVOA_N

ClientSampleId :

PAT-091019-B

Tgt Ion: 41 Resp: 11063

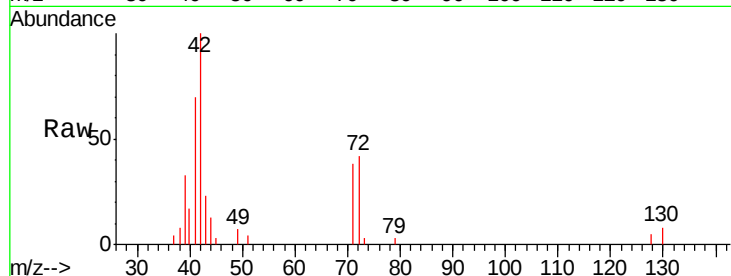
Ion Ratio Lower Upper

41 100

39 50.3 50.2 75.4

67 0.0 70.2 105.4#

52 0.0 31.4 47.0#

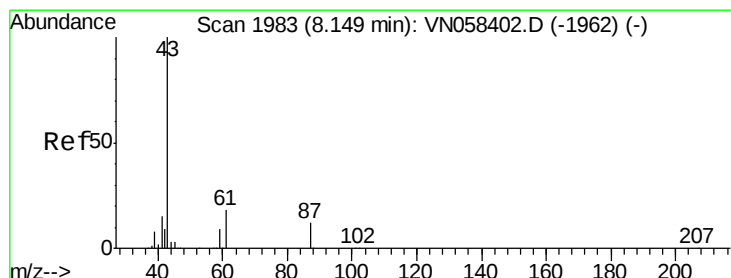
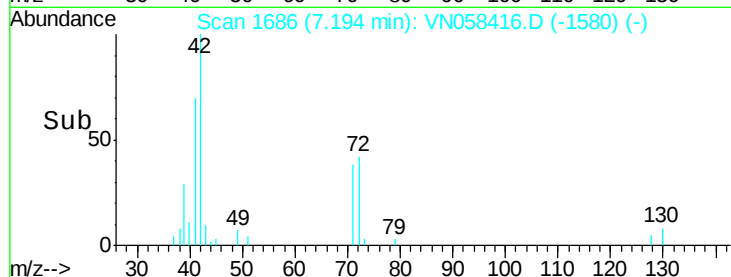
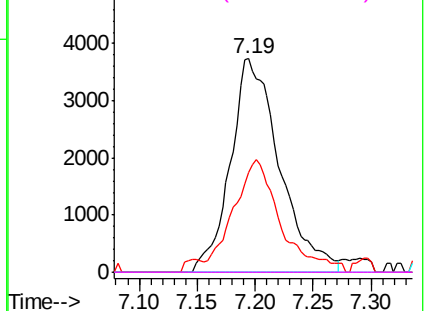


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#43

Isopropyl Acetate

Concen: 0.370 ug/l

RT: 8.13 min Scan# 1978

Delta R.T. -0.02 min

Lab File: VN058416.D

Acq: 27 Sep 2019 18:19

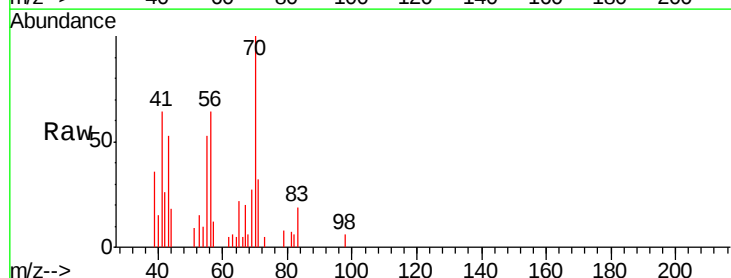
Tgt Ion: 43 Resp: 4085

Ion Ratio Lower Upper

43 100

61 0.0 14.8 22.2#

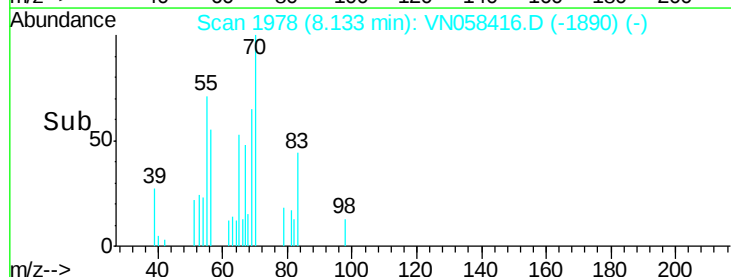
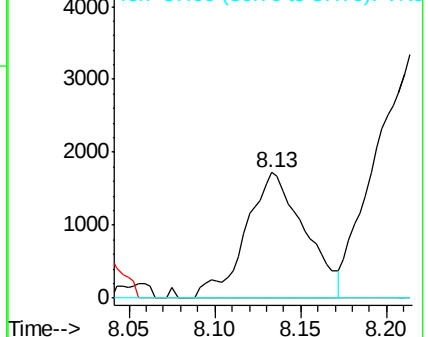
87 0.0 9.7 14.5#

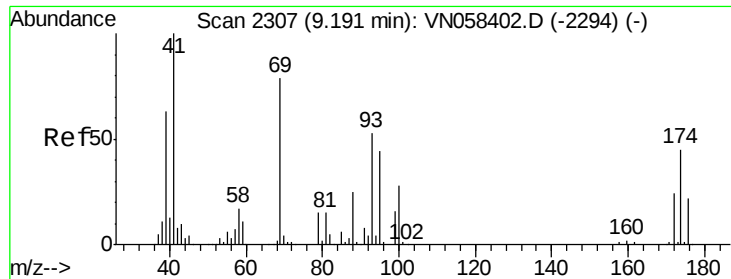


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

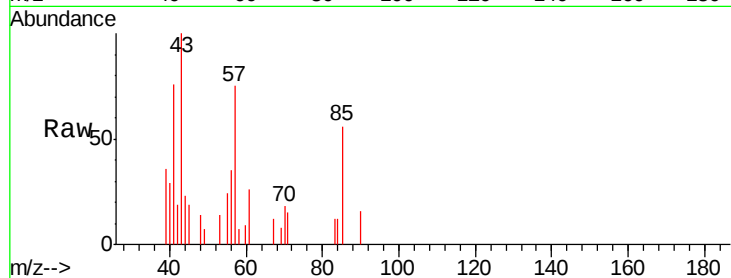




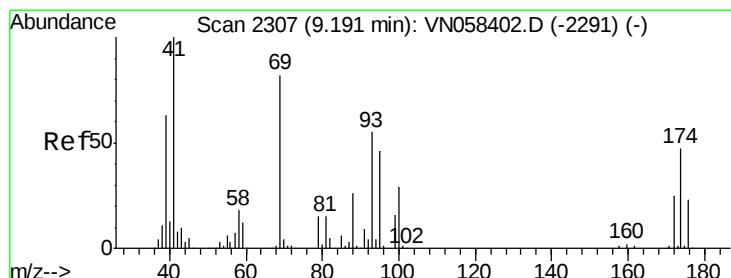
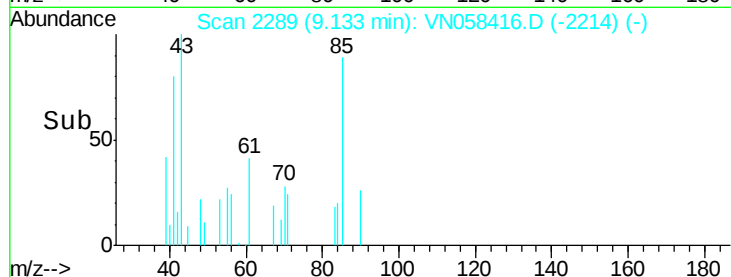
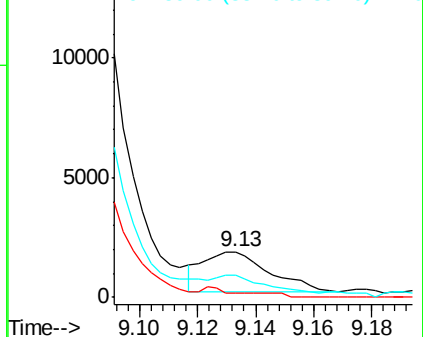
#48
Methyl methacrylate
Concen: 0.517 ug/l
RT: 9.13 min Scan# 2289
Delta R.T. -0.06 min
Lab File: VN058416.D
Acq: 27 Sep 2019 18:19

Instrument :
MSVOA_N
ClientSampleId :
PAT-091019-B

Tgt Ion: 41 Resp: 2589
Ion Ratio Lower Upper
41 100
69 0.0 64.7 97.1#
39 0.0 52.9 79.3#

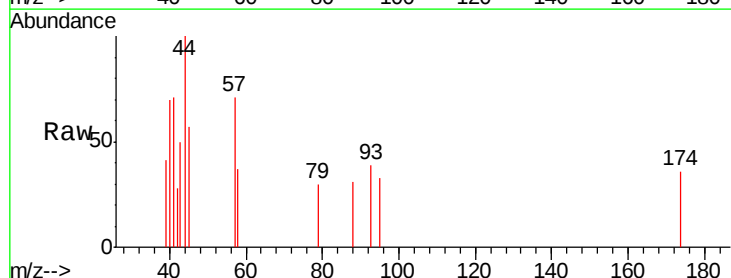


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

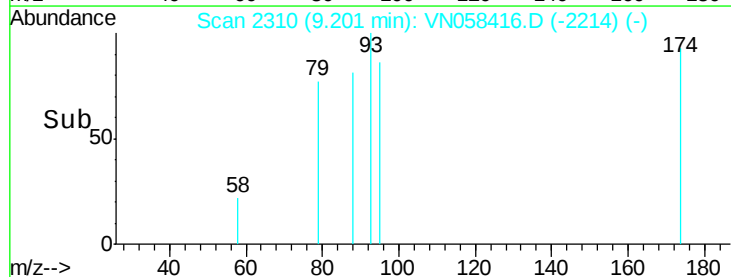
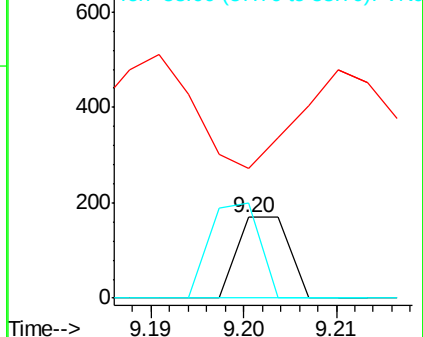


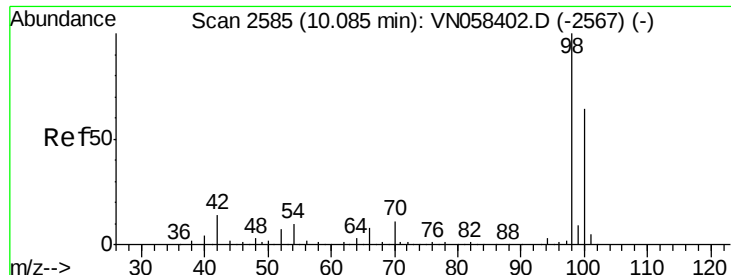
#49
1,4-Dioxane
Concen: 0.819 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.01 min
Lab File: VN058416.D
Acq: 27 Sep 2019 18:19

Tgt Ion: 88 Resp: 65
Ion Ratio Lower Upper
88 100
43 0.0 31.1 46.7#
58 115.4 58.1 87.1#



Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0





#50

Toluene-d8

Concen: 52.248 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN058416.D

Acq: 27 Sep 2019 18:19

Instrument :

MSVOA_N

ClientSampled :

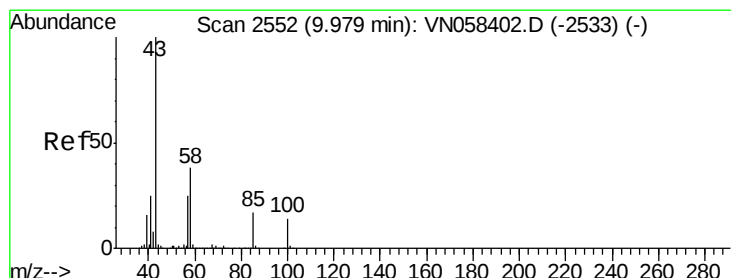
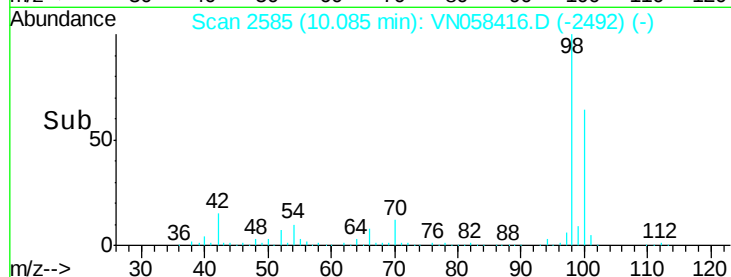
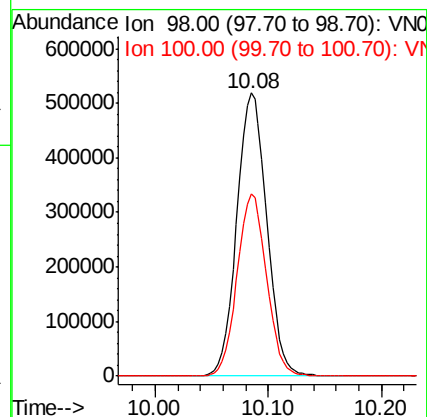
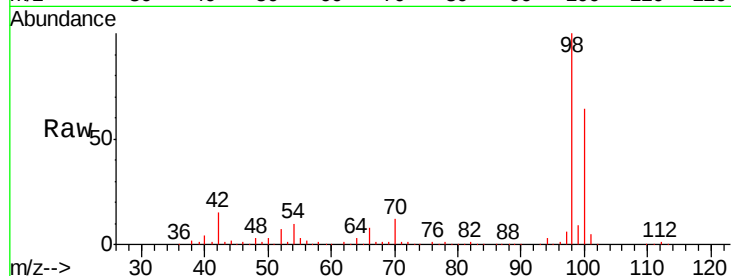
PAT-091019-B

Tgt Ion: 98 Resp: 958079

Ion Ratio Lower Upper

98 100

100 63.3 51.0 76.6



#51

4-Methyl-2-Pentanone

Concen: 0.936 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. -0.00 min

Lab File: VN058416.D

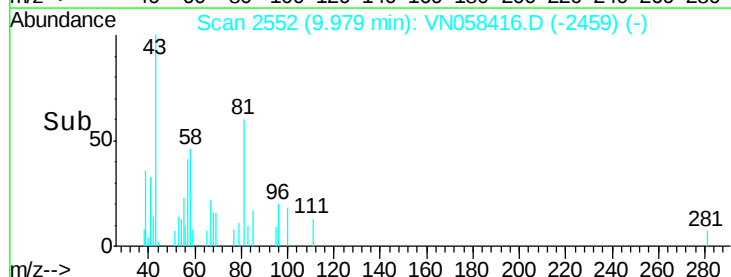
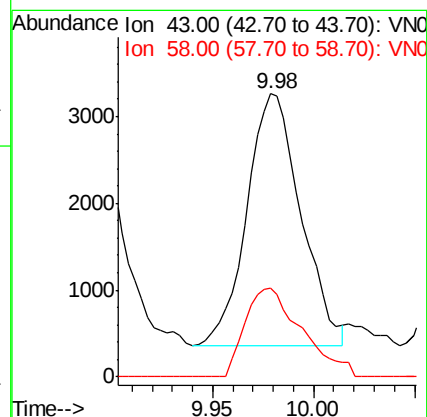
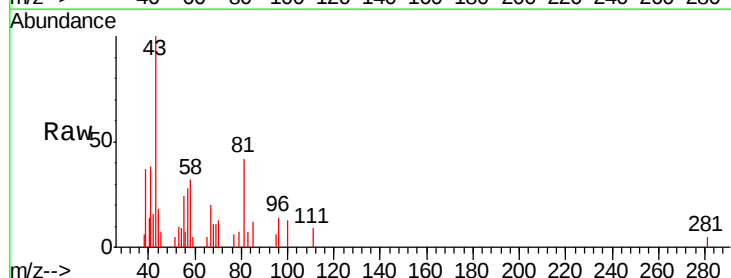
Acq: 27 Sep 2019 18:19

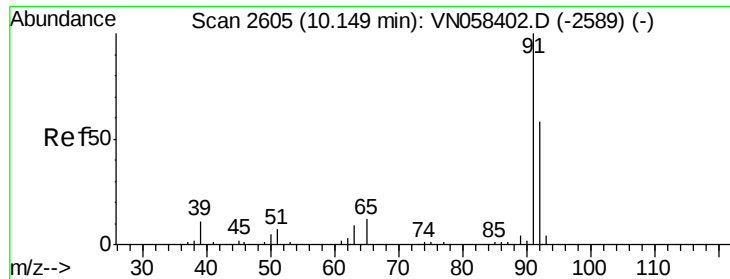
Tgt Ion: 43 Resp: 5425

Ion Ratio Lower Upper

43 100

58 37.1 30.2 45.2





#52

Toluene

Concen: 1.193 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN058416.D

Acq: 27 Sep 2019 18:19

Instrument :

MSVOA_N

ClientSampled :

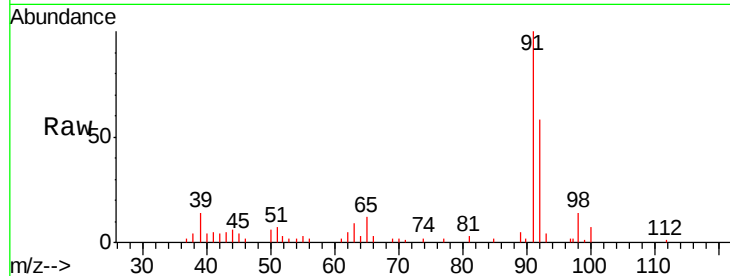
PAT-091019-B

Tgt Ion: 92 Resp: 13343

Ion Ratio Lower Upper

92 100

91 171.4 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VN058416.D (-2512) (-)

Ion 91.00 (90.70 to 91.70): VN058416.D (-2512) (-)

15000

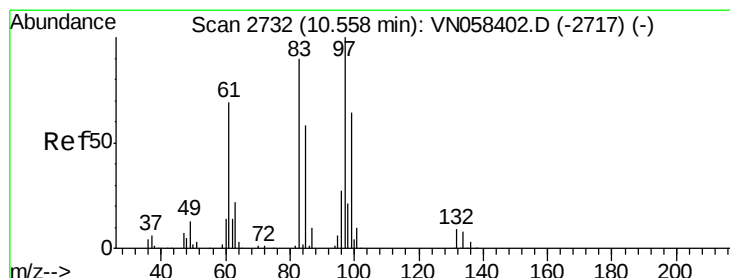
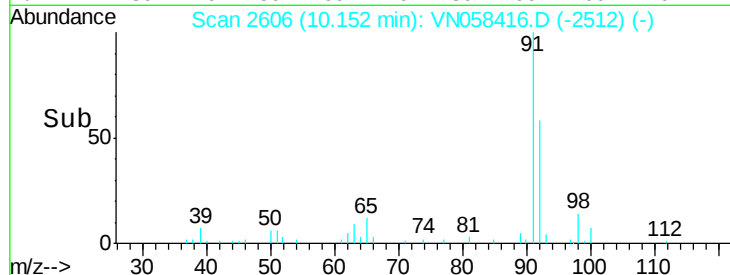
10000

5000

0

10.10 10.15 10.20

Time-->



#55

1,1,2-Trichloroethane

Concen: 2.162 ug/l

RT: 10.53 min Scan# 2722

Delta R.T. -0.03 min

Lab File: VN058416.D

Acq: 27 Sep 2019 18:19

Tgt Ion: 97 Resp: 10371

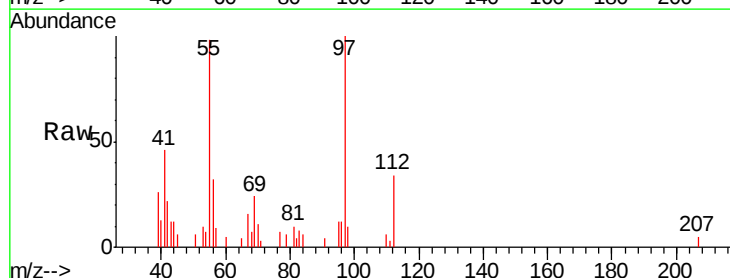
Ion Ratio Lower Upper

97 100

83 7.7 71.8 107.6#

85 0.0 46.6 69.8#

99 0.0 51.5 77.3#



Abundance Ion 96.90 (96.60 to 97.60): VN058416.D (-2639) (-)

Ion 82.90 (82.60 to 83.60): VN058416.D (-2639) (-)

Ion 84.90 (84.60 to 85.60): VN058416.D (-2639) (-)

Ion 98.90 (98.60 to 99.60): VN058416.D (-2639) (-)

8000

6000

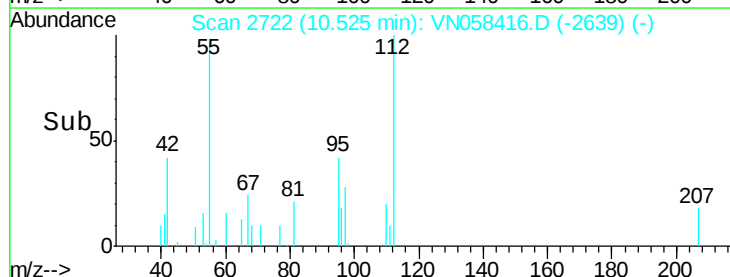
4000

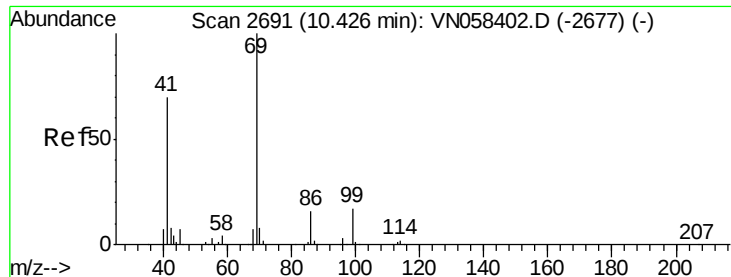
2000

0

10.45 10.50 10.55 10.60

Time-->





#56

Ethyl methacrylate

Concen: 0.775 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN058416.D

Acq: 27 Sep 2019 18:19

Instrument :

MSVOA_N

ClientSampled :

PAT-091019-B

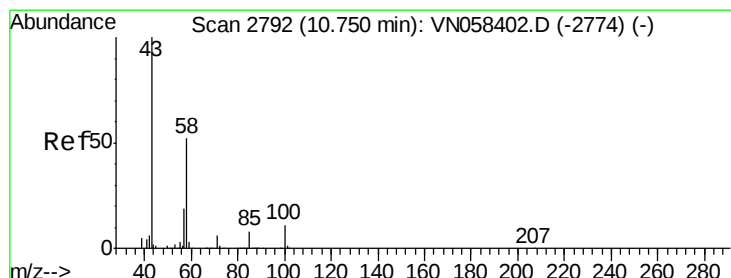
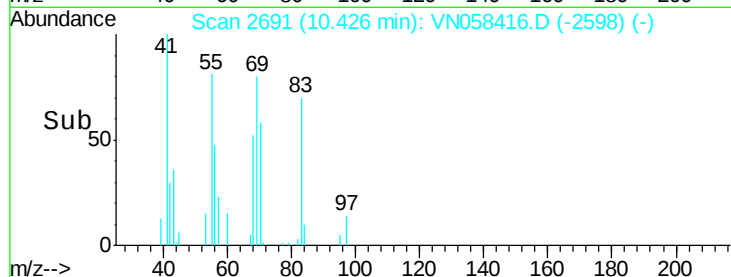
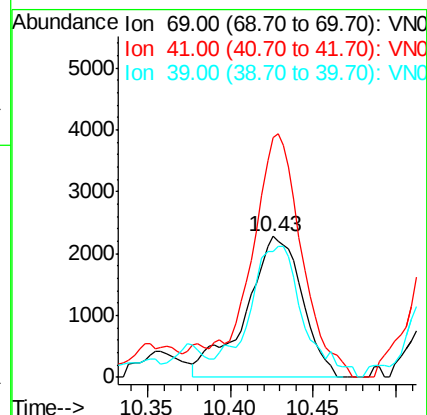
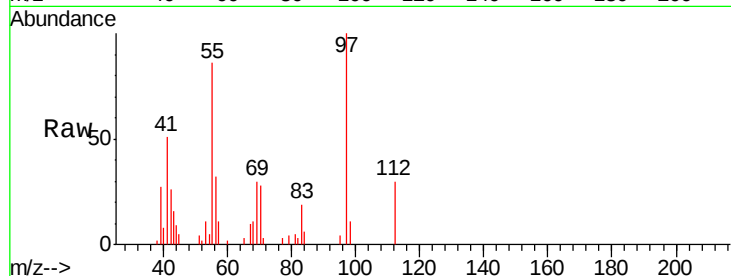
Tgt Ion: 69 Resp: 5403

Ion Ratio Lower Upper

69 100

41 153.8 56.3 84.5#

39 88.4 35.8 53.6#



#59

2-Hexanone

Concen: 2.986 ug/l

RT: 10.61 min Scan# 2748

Delta R.T. -0.14 min

Lab File: VN058416.D

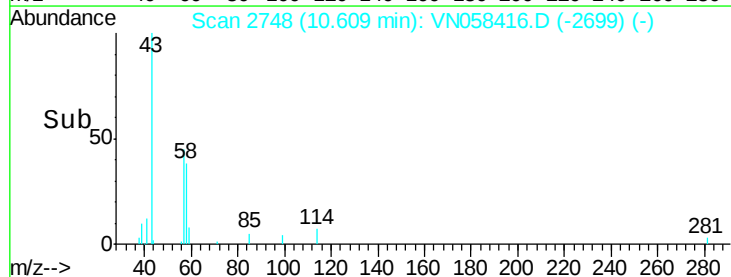
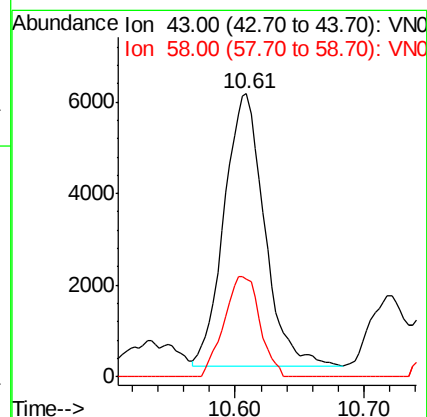
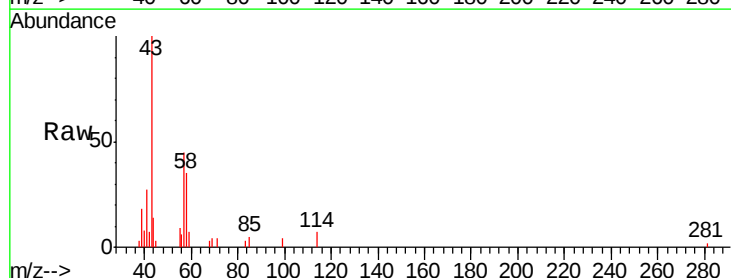
Acq: 27 Sep 2019 18:19

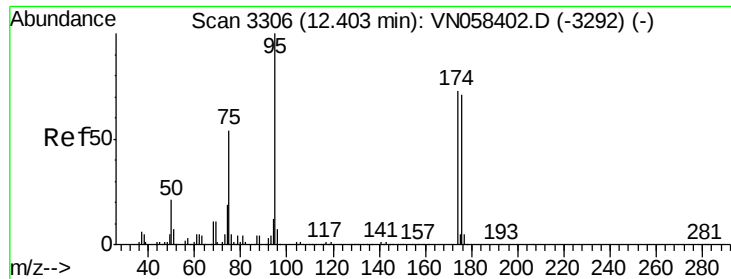
Tgt Ion: 43 Resp: 12826

Ion Ratio Lower Upper

43 100

58 32.9 25.8 77.3





#62

4-Bromofluorobenzene

Concen: 46.719 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058416.D

Acq: 27 Sep 2019 18:19

Instrument :

MSVOA_N

ClientSampleId :

PAT-091019-B

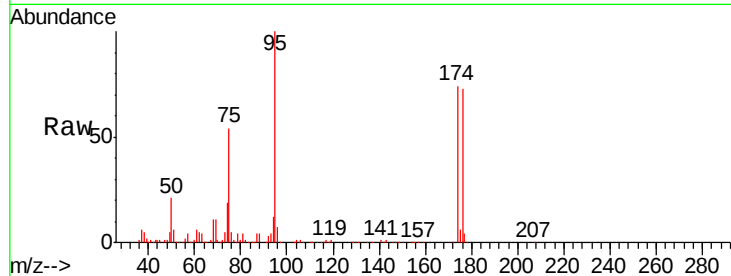
Tgt Ion: 95 Resp: 317306

Ion Ratio Lower Upper

95 100

174 74.8 0.0 150.6

176 72.9 0.0 146.2

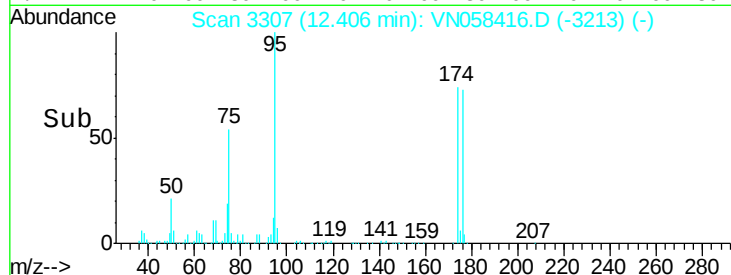


Abundance Ion 94.90 (94.60 to 95.60): VN058416.D (-3213) (-)

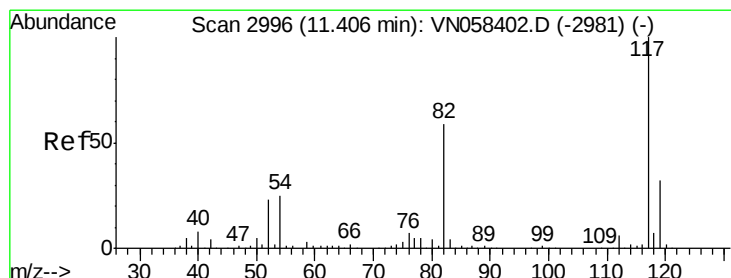
Ion 173.80 (173.50 to 174.50): VN058416.D (-3213) (-)

Ion 175.80 (175.50 to 176.50): VN058416.D (-3213) (-)

Time-->



Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN058416.D

Acq: 27 Sep 2019 18:19

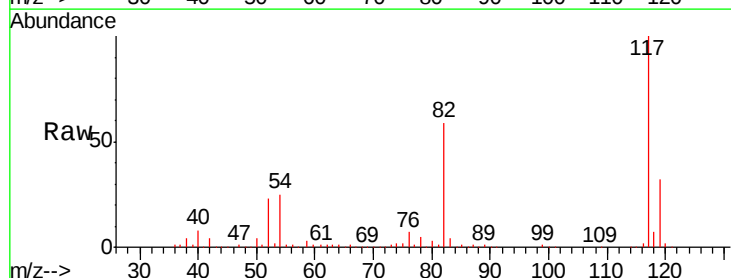
Tgt Ion: 117 Resp: 659093

Ion Ratio Lower Upper

117 100

82 59.1 47.4 71.0

119 31.6 25.5 38.3

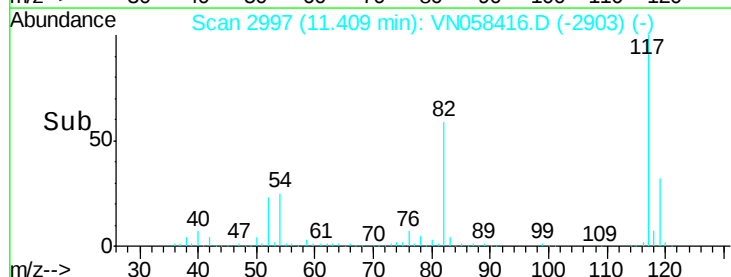


Abundance Ion 116.90 (116.60 to 117.60): VN058416.D (-2903) (-)

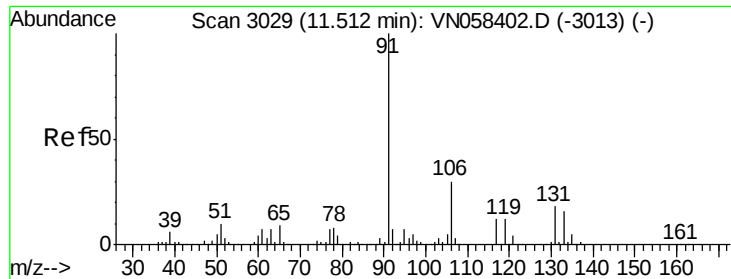
Ion 82.00 (81.70 to 82.70): VN058416.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN058416.D (-2903) (-)

Time-->



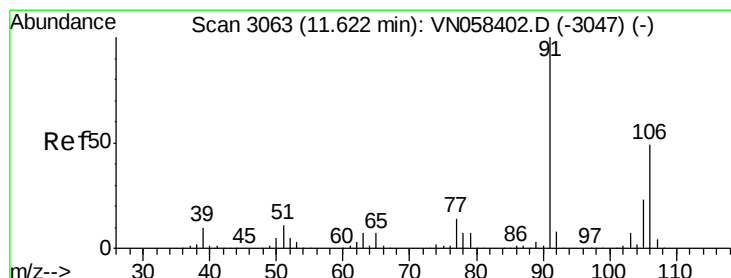
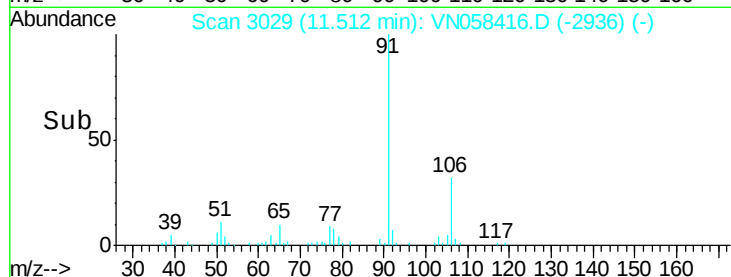
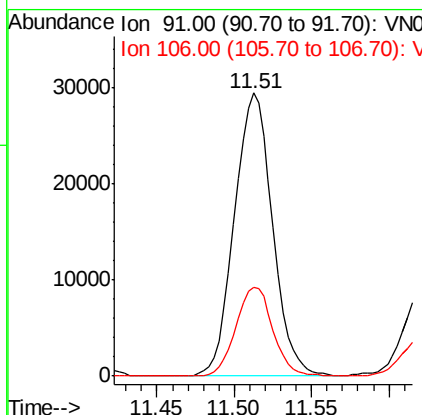
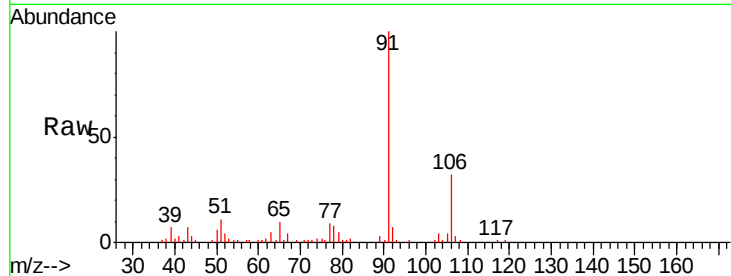
Time-->



#67
Ethyl Benzene
Concen: 2.443 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN058416.D
Acq: 27 Sep 2019 18:19

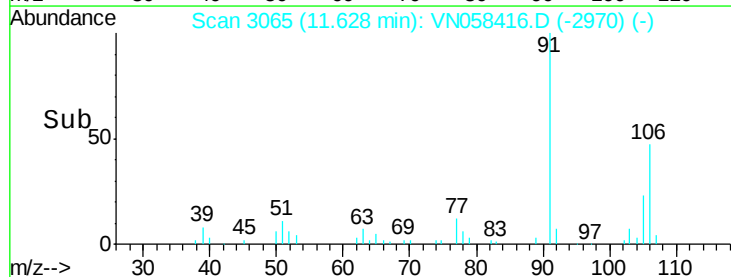
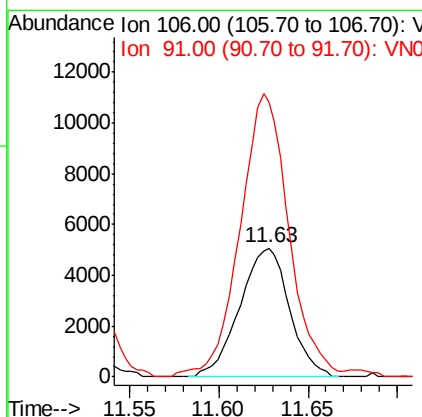
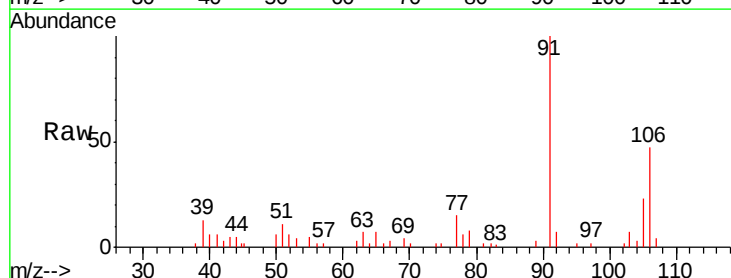
Instrument :
MSVOA_N
ClientSampleId :
PAT-091019-B

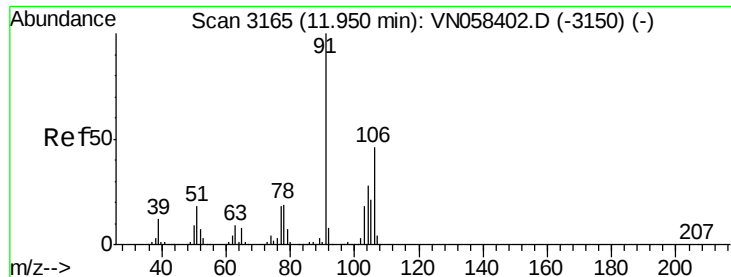
Tgt Ion: 91 Resp: 50411
Ion Ratio Lower Upper
91 100
106 31.6 24.3 36.5



#68
m/p-Xylenes
Concen: 1.269 ug/l
RT: 11.63 min Scan# 3065
Delta R.T. 0.01 min
Lab File: VN058416.D
Acq: 27 Sep 2019 18:19

Tgt Ion: 106 Resp: 9878
Ion Ratio Lower Upper
106 100
91 215.8 165.0 247.4

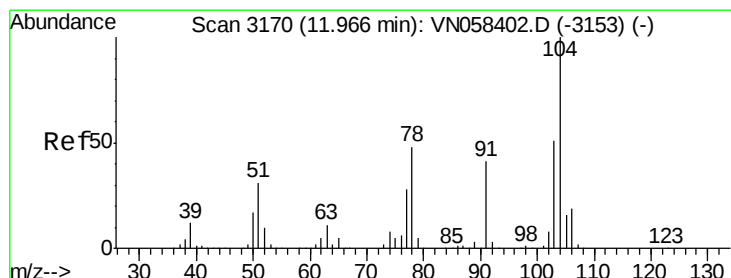
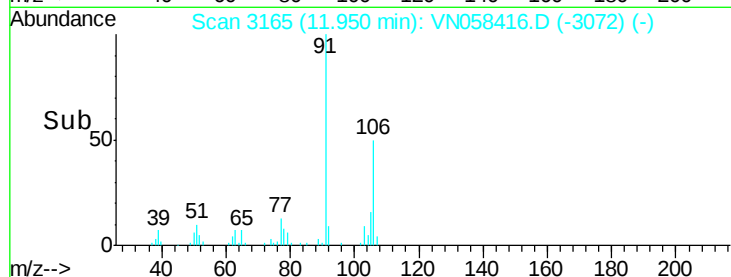
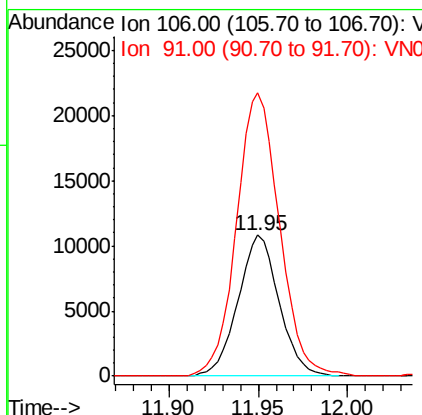
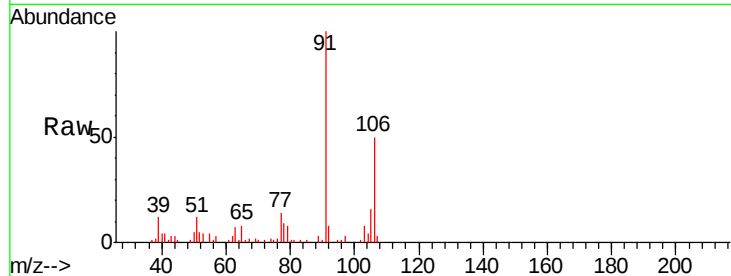




#69
o-Xylene
Concen: 2.282 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN058416.D
Acq: 27 Sep 2019 18:19

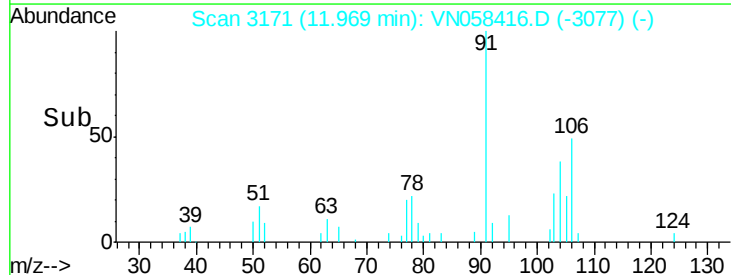
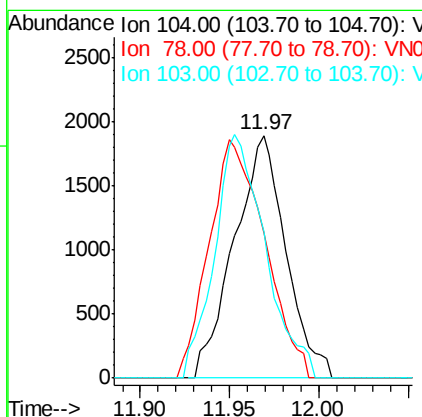
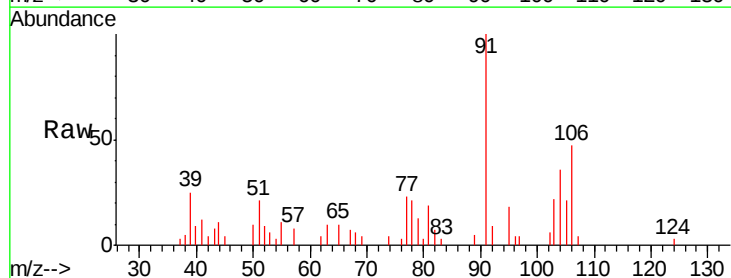
Instrument :
MSVOA_N
ClientSampled :
PAT-091019-B

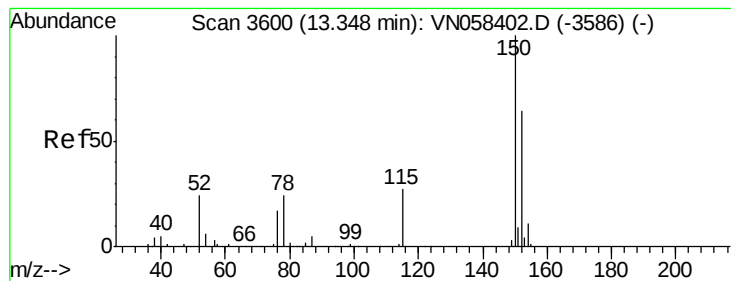
Tgt Ion:106 Resp: 17373
Ion Ratio Lower Upper
106 100
91 210.5 109.1 327.4



#70
Styrene
Concen: 0.295 ug/l
RT: 11.97 min Scan# 3171
Delta R.T. 0.00 min
Lab File: VN058416.D
Acq: 27 Sep 2019 18:19

Tgt Ion:104 Resp: 3834
Ion Ratio Lower Upper
104 100
78 105.4 42.8 64.2#
103 98.1 43.7 65.5#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN058416.D

Acq: 27 Sep 2019 18:19

Instrument :

MSVOA_N

ClientSampleId :

PAT-091019-B

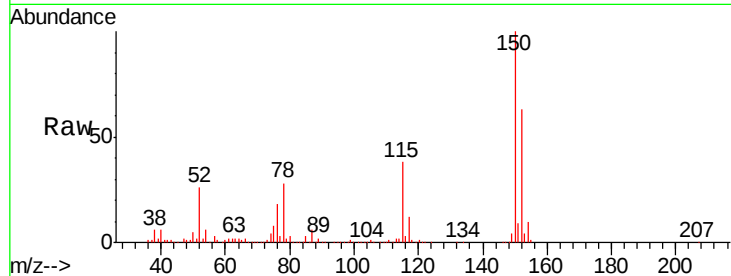
Tgt Ion:152 Resp: 276522

Ion Ratio Lower Upper

152 100

115 63.0 30.0 90.0

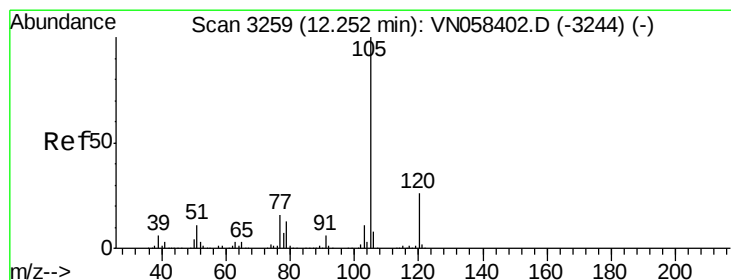
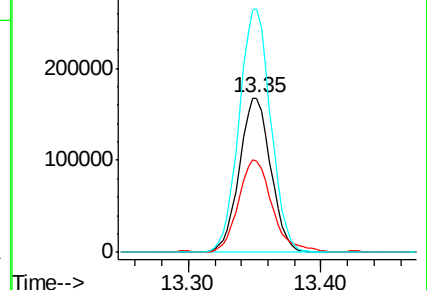
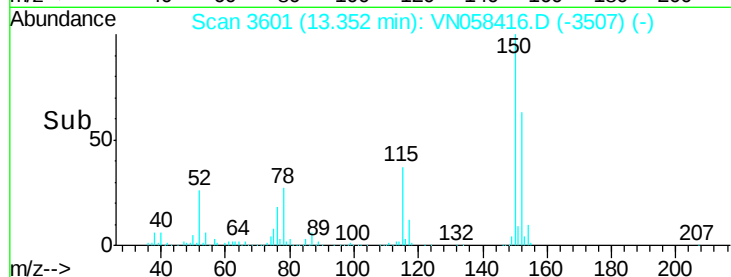
150 158.9 0.0 348.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 1.070 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN058416.D

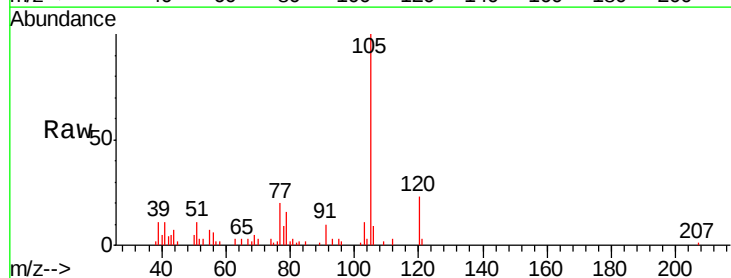
Acq: 27 Sep 2019 18:19

Tgt Ion:105 Resp: 19150

Ion Ratio Lower Upper

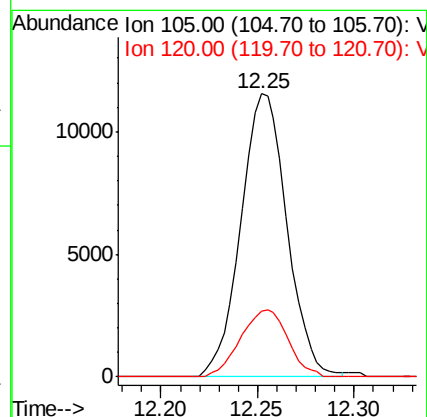
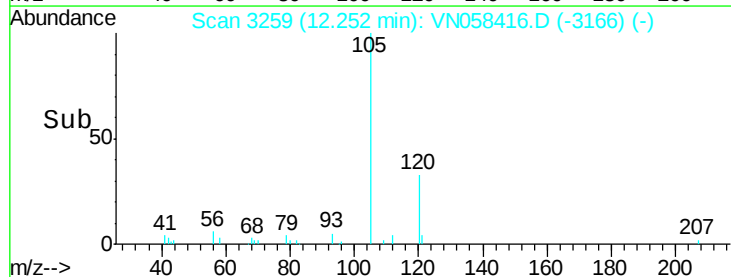
105 100

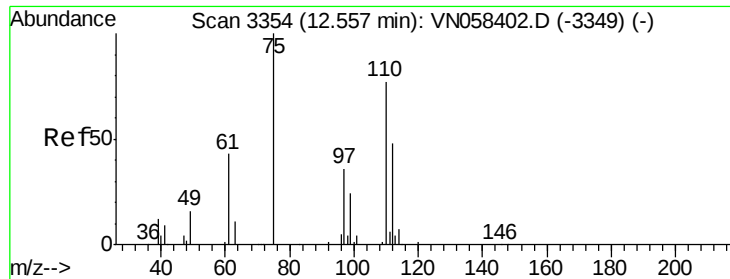
120 24.3 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

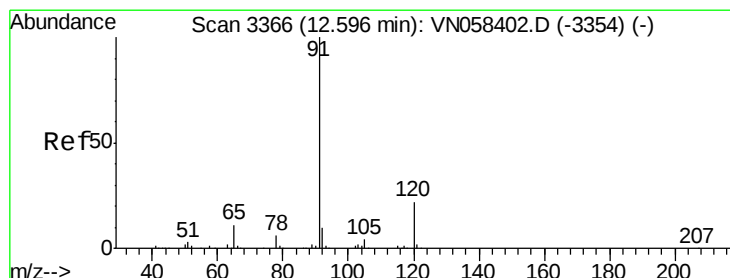
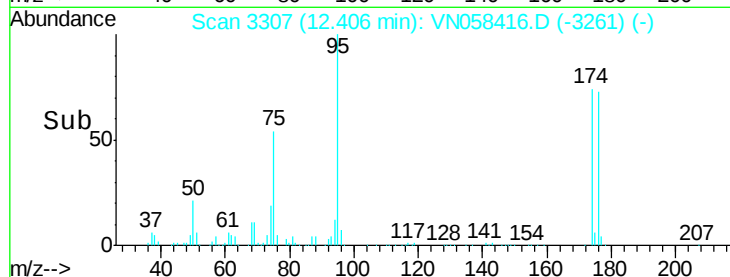
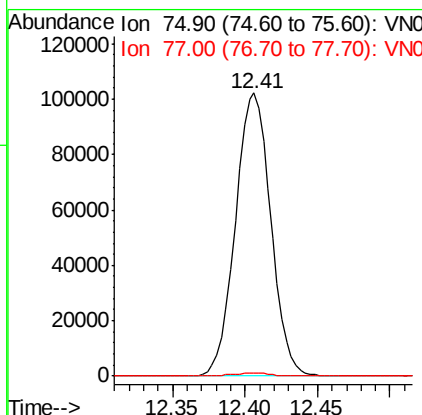
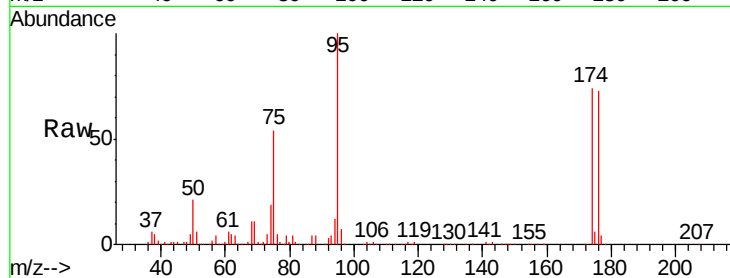




#76
 1,2,3-Trichloropropane
 Concen: 34.480 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. -0.15 min
 Lab File: VN058416.D
 Acq: 27 Sep 2019 18:19

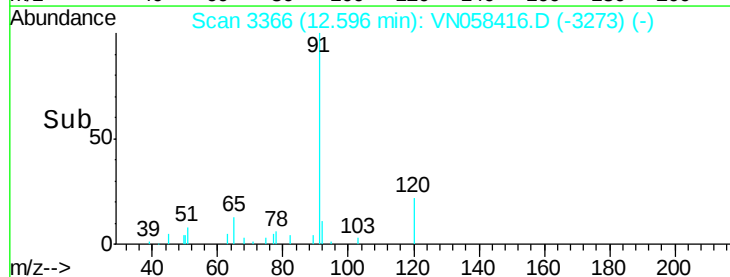
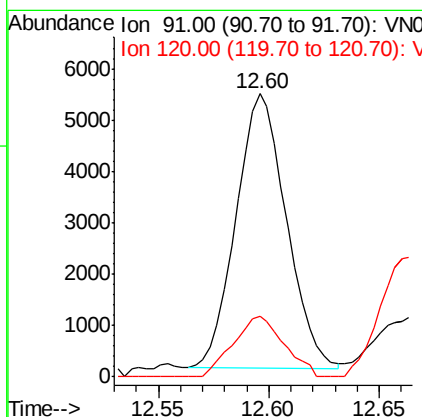
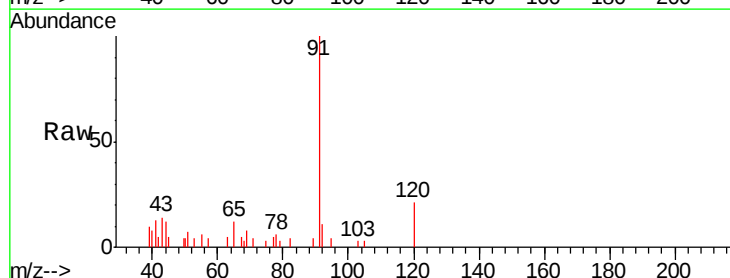
Instrument :
 MSVOA_N
 ClientSampleId :
 PAT-091019-B

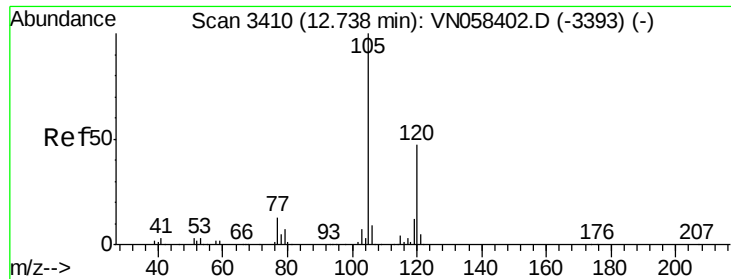
Tgt Ion: 75 Resp: 173079
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



#78
 n-propylbenzene
 Concen: 0.415 ug/l
 RT: 12.60 min Scan# 3366
 Delta R.T. -0.00 min
 Lab File: VN058416.D
 Acq: 27 Sep 2019 18:19

Tgt Ion: 91 Resp: 8449
 Ion Ratio Lower Upper
 91 100
 120 22.2 10.9 32.9

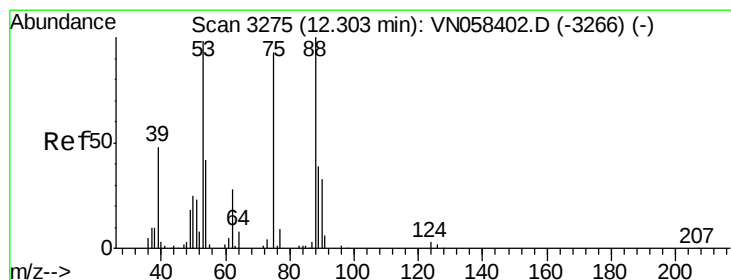
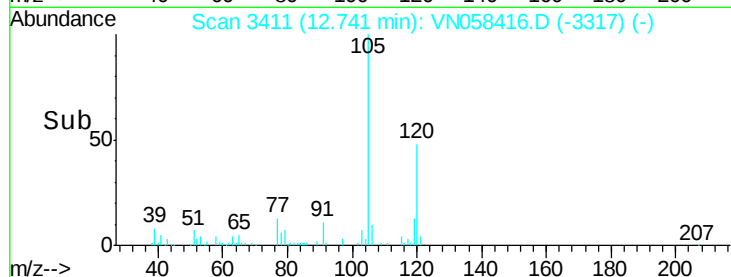
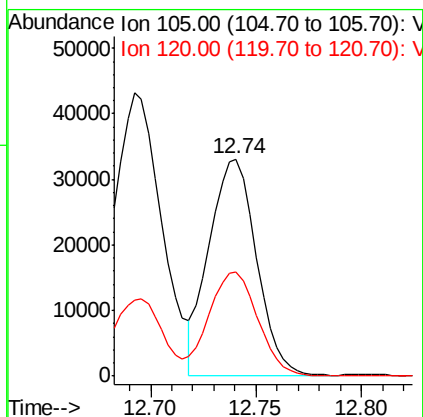
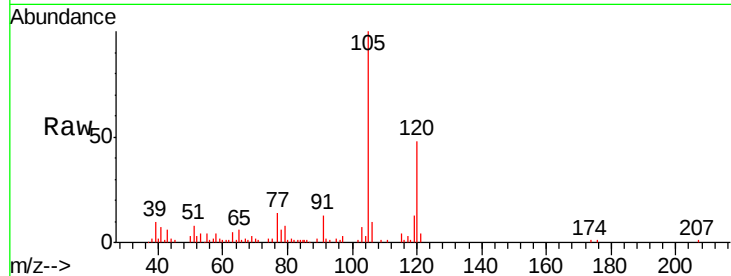




#80
 1,3,5-Trimethylbenzene
 Concen: 3.442 ug/l
 RT: 12.74 min Scan# 3411
 Delta R.T. 0.00 min
 Lab File: VN058416.D
 Acq: 27 Sep 2019 18:19

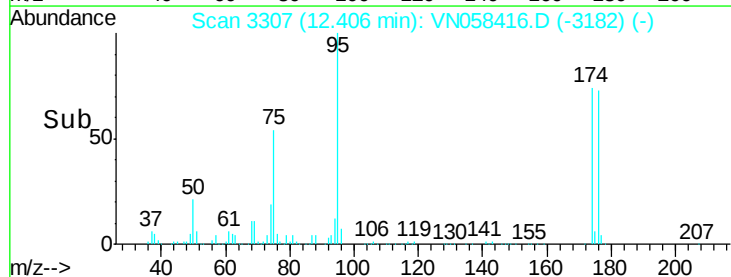
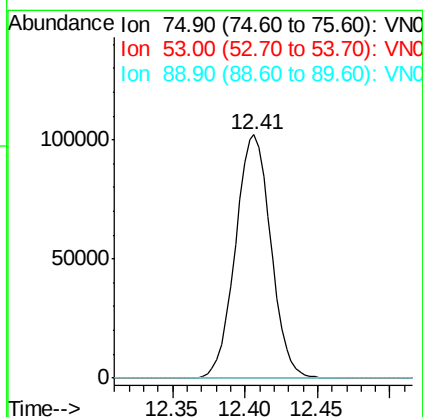
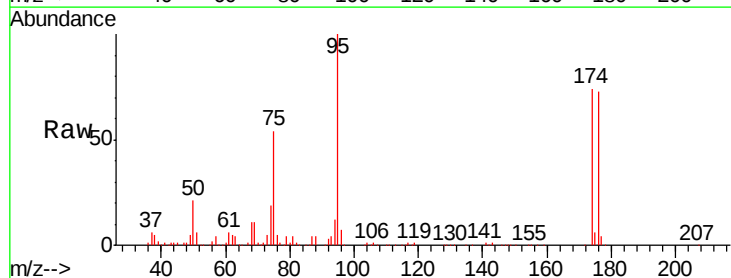
Instrument :
 MSVOA_N
 ClientSampleId :
 PAT-091019-B

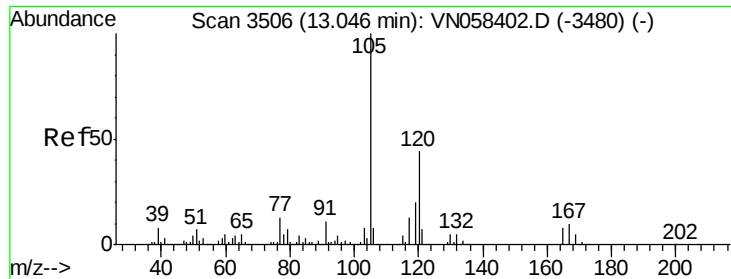
Tgt Ion: 105 Resp: 51923
 Ion Ratio Lower Upper
 105 100
 120 50.0 23.5 70.6



#81
 trans-1,4-Dichloro-2-butene
 Concen: 112.099 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. 0.10 min
 Lab File: VN058416.D
 Acq: 27 Sep 2019 18:19

Tgt Ion: 75 Resp: 173079
 Ion Ratio Lower Upper
 75 100
 53 0.1 85.4 128.0#
 89 0.0 35.0 52.4#

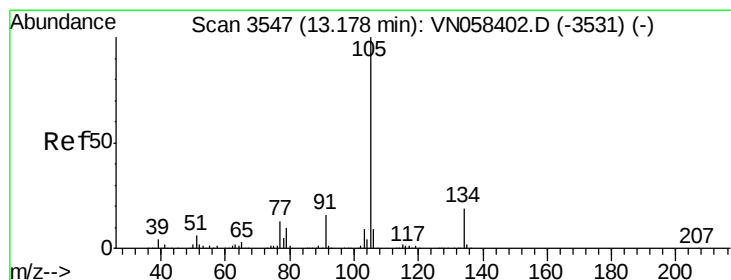
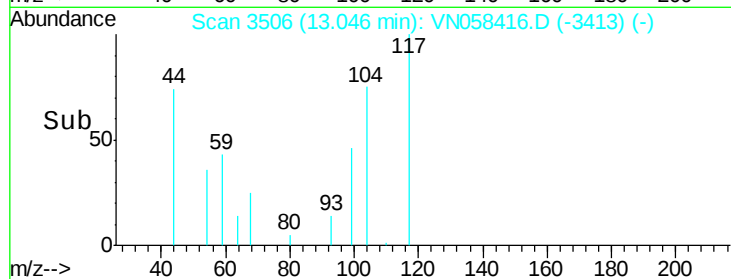
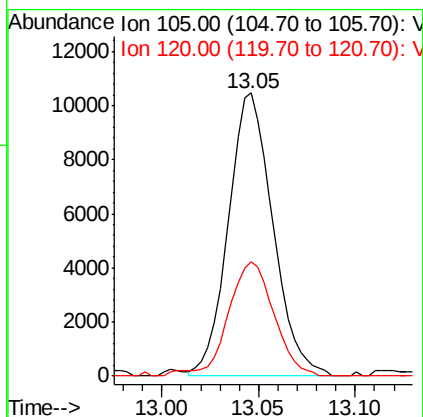
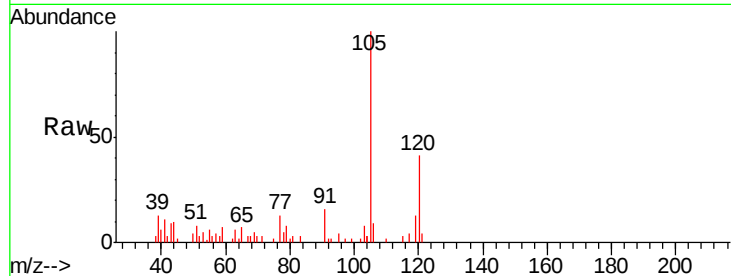




#84
 1,2,4-Trimethylbenzene
 Concen: 1.116 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. -0.00 min
 Lab File: VN058416.D
 Acq: 27 Sep 2019 18:19

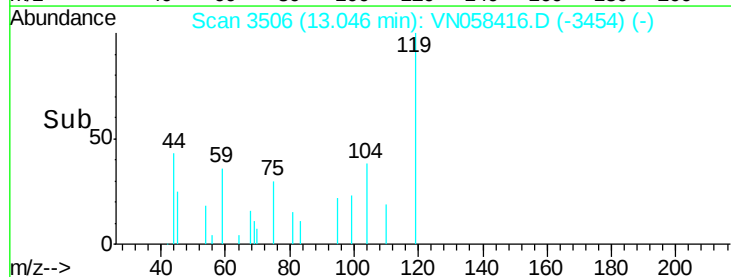
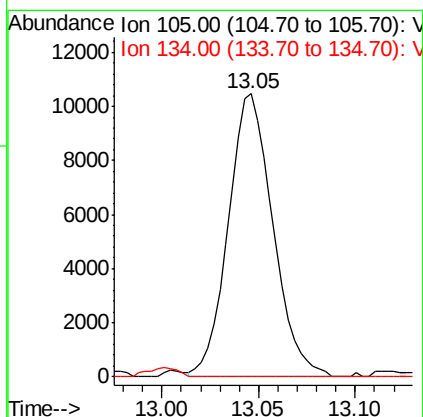
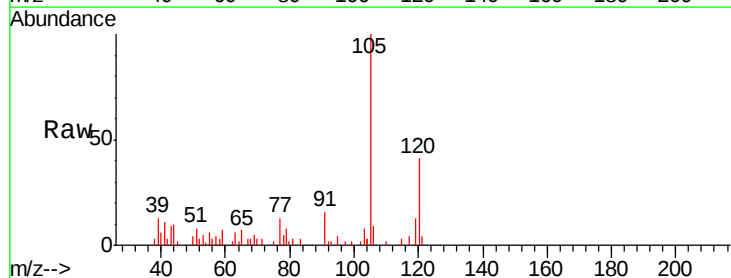
Instrument :
 MSVOA_N
 ClientSampleId :
 PAT-091019-B

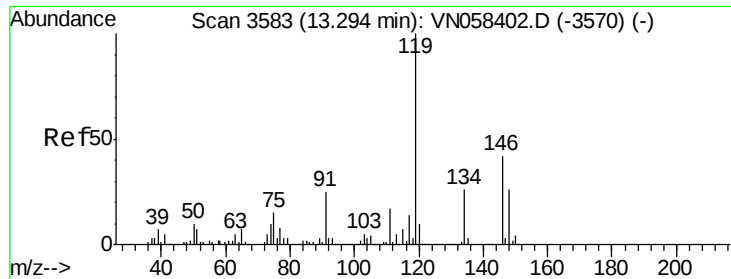
Tgt Ion:105 Resp: 16764
 Ion Ratio Lower Upper
 105 100
 120 41.6 21.7 65.1



#85
 sec-Butylbenzene
 Concen: 0.962 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. -0.13 min
 Lab File: VN058416.D
 Acq: 27 Sep 2019 18:19

Tgt Ion:105 Resp: 16764
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.4 28.2#

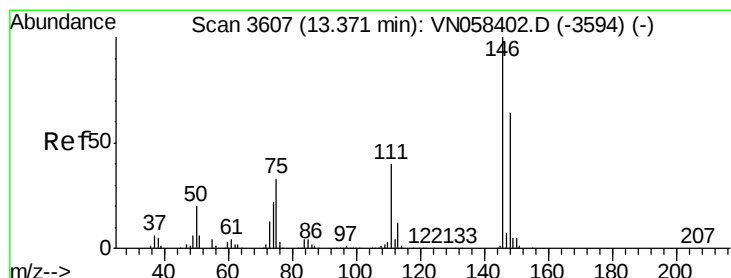
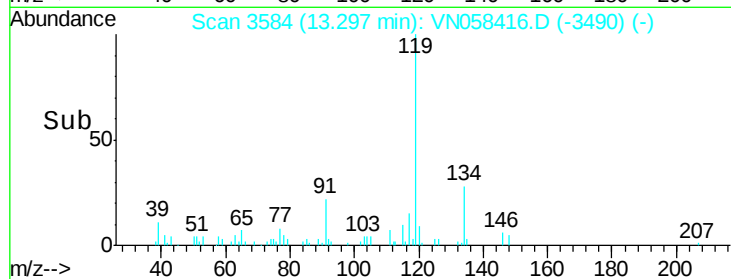
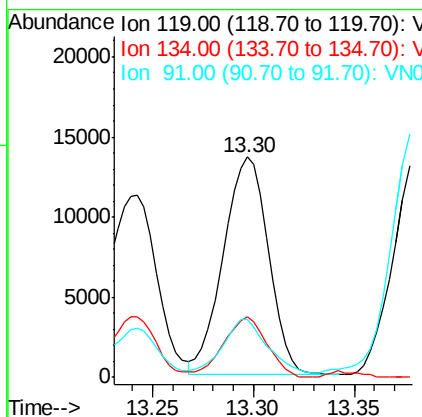
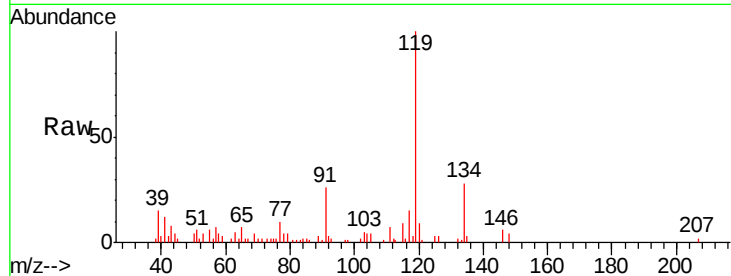




#86
p-Isopropyltoluene
Concen: 1.372 ug/l
RT: 13.30 min Scan# 3584
Delta R.T. 0.00 min
Lab File: VN058416.D
Acq: 27 Sep 2019 18:19

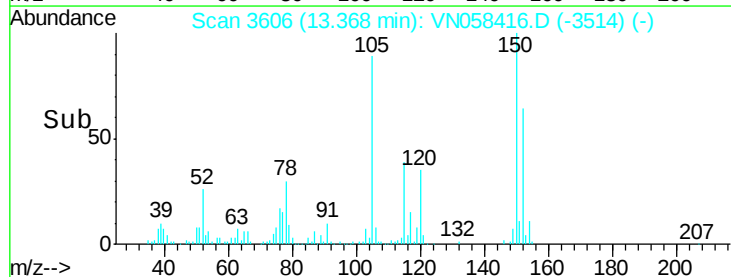
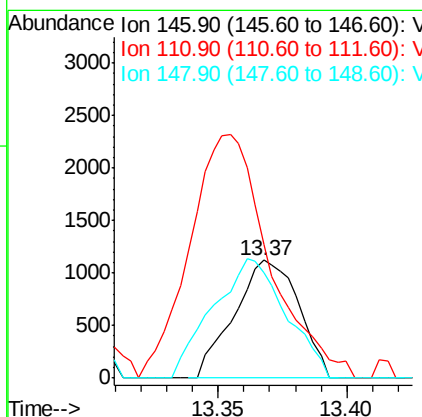
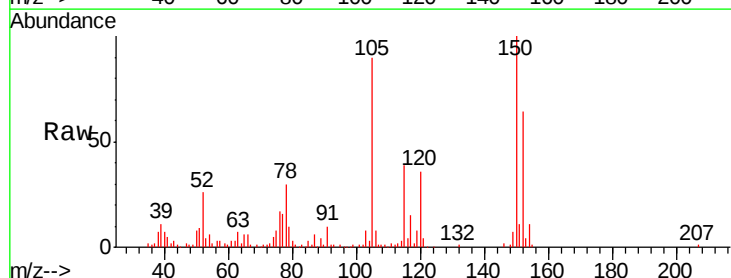
Instrument :
MSVOA_N
ClientSampleId :
PAT-091019-B

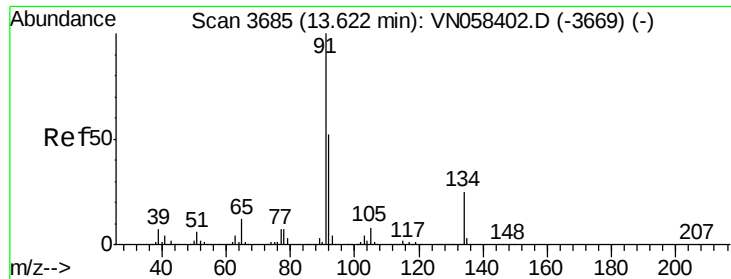
Tgt Ion:119 Resp: 21205
Ion Ratio Lower Upper
119 100
134 26.9 13.0 39.0
91 23.7 12.4 37.0



#88
1,4-Dichlorobenzene
Concen: 0.237 ug/l
RT: 13.37 min Scan# 3606
Delta R.T. -0.00 min
Lab File: VN058416.D
Acq: 27 Sep 2019 18:19

Tgt Ion:146 Resp: 1951
Ion Ratio Lower Upper
146 100
111 254.5 20.5 61.6#
148 114.6 31.5 94.5#

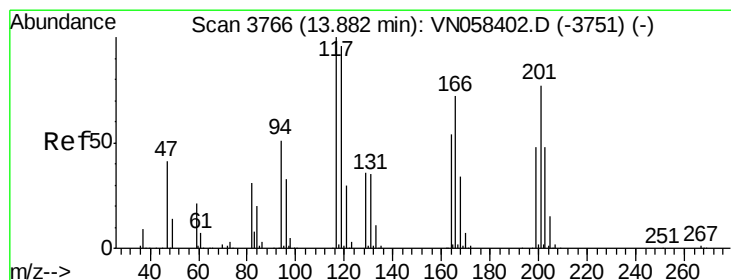
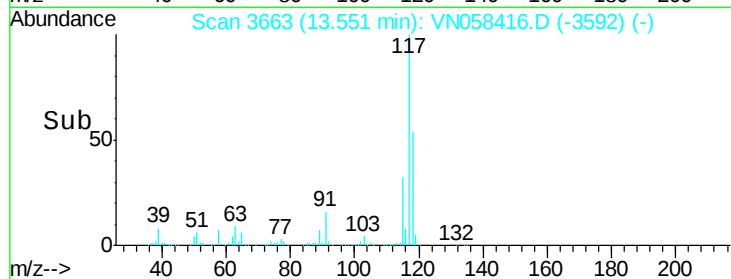
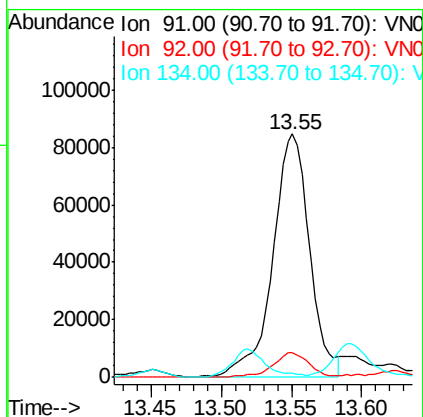
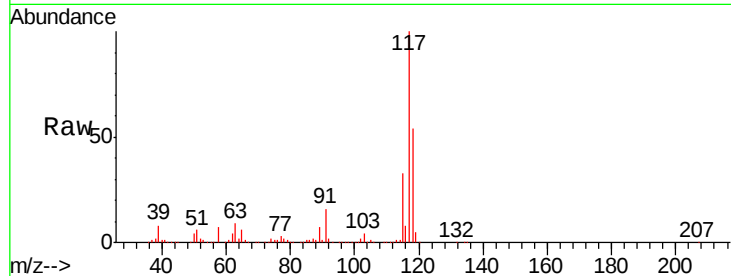




#89
n-Butylbenzene
Concen: 10.537 ug/l
RT: 13.55 min Scan# 3663
Delta R.T. -0.07 min
Lab File: VN058416.D
Acq: 27 Sep 2019 18:19

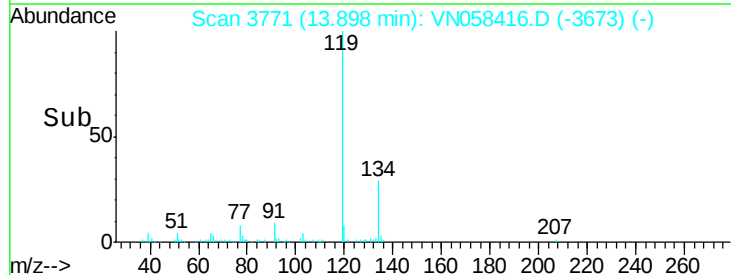
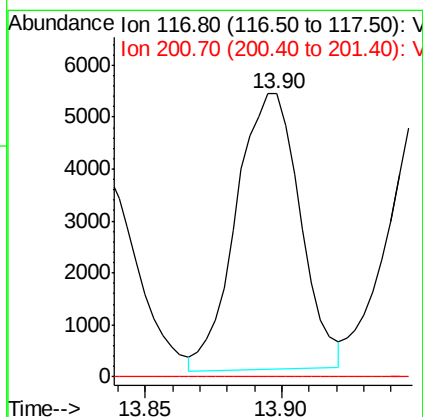
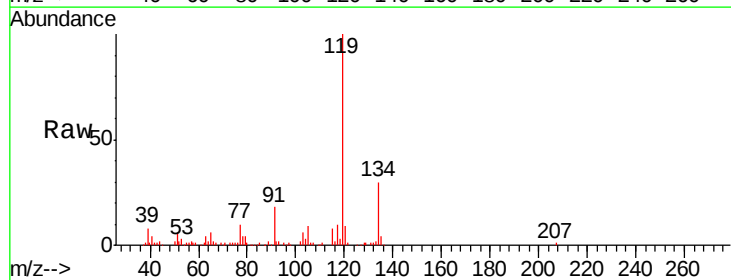
Instrument :
MSVOA_N
ClientSampleId :
PAT-091019-B

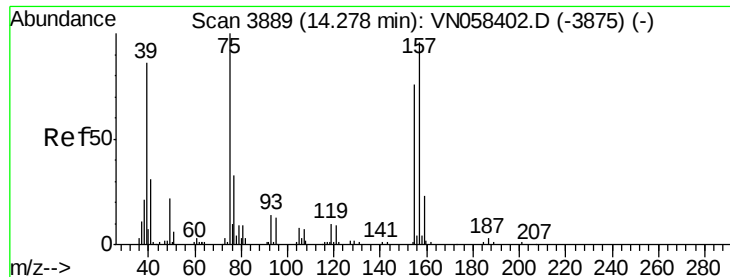
Tgt Ion: 91 Resp: 152231
Ion Ratio Lower Upper
91 100
92 10.1 25.7 77.1#
134 0.0 12.2 36.6#



#90
Hexachloroethane
Concen: 3.618 ug/l
RT: 13.90 min Scan# 3771
Delta R.T. 0.02 min
Lab File: VN058416.D
Acq: 27 Sep 2019 18:19

Tgt Ion: 117 Resp: 8656
Ion Ratio Lower Upper
117 100
201 0.0 38.6 116.0#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.320 ug/l

RT: 14.28 min Scan# 3889

Delta R.T. -0.00 min

Lab File: VN058416.D

Acq: 27 Sep 2019 18:19

Instrument :

MSVOA_N

ClientSampled :

PAT-091019-B

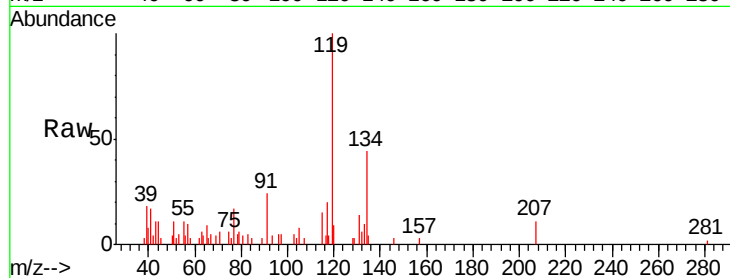
Tgt Ion: 75 Resp: 336

Ion Ratio Lower Upper

75 100

155 0.0 39.2 117.6#

157 56.0 48.7 146.1

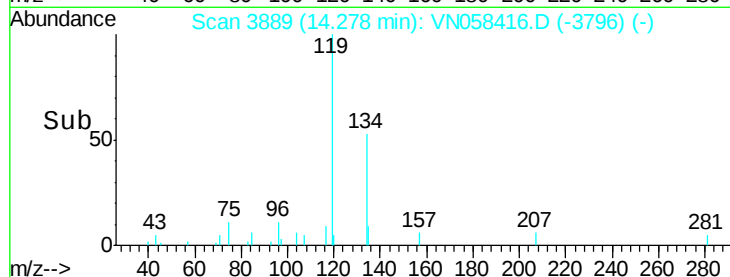


Abundance Ion 74.90 (74.60 to 75.60): VN058416.D (-3796) (-)

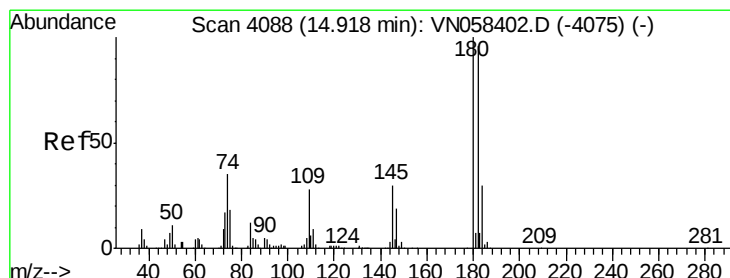
Ion 154.80 (154.50 to 155.50): VN058416.D (-3796) (-)

Ion 156.80 (156.50 to 157.50): VN058416.D (-3796) (-)

Time-->



Time-->



#93

1,2,4-Trichlorobenzene

Concen: 0.836 ug/l

RT: 14.92 min Scan# 4088

Delta R.T. -0.00 min

Lab File: VN058416.D

Acq: 27 Sep 2019 18:19

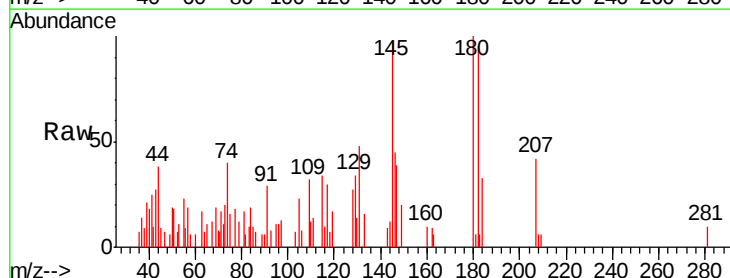
Tgt Ion: 180 Resp: 4233

Ion Ratio Lower Upper

180 100

182 97.7 47.4 142.3

145 134.2 15.3 45.9#

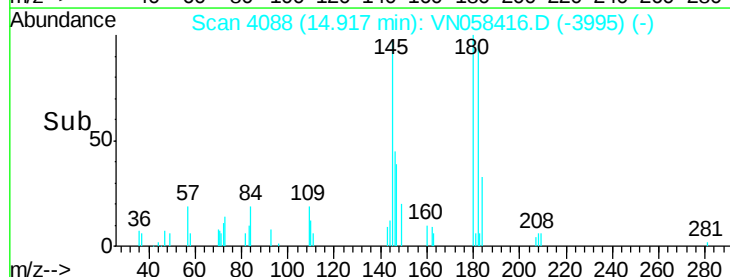


Abundance Ion 179.80 (179.50 to 180.50): VN058416.D (-3995) (-)

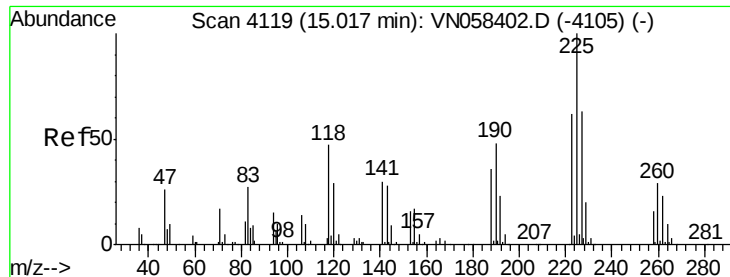
Ion 181.80 (181.50 to 182.50): VN058416.D (-3995) (-)

Ion 144.80 (144.50 to 145.50): VN058416.D (-3995) (-)

Time-->



Time-->



#94

Hexachlorobutadiene

Concen: 0.212 ug/l

RT: 15.02 min Scan# 4119

Delta R.T. -0.00 min

Lab File: VN058416.D

Acq: 27 Sep 2019 18:19

Instrument :

MSVOA_N

ClientSampleId :

PAT-091019-B

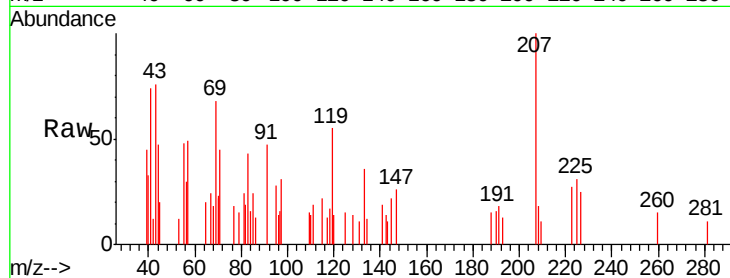
Tgt Ion:225 Resp: 520

Ion Ratio Lower Upper

225 100

223 84.0 31.1 93.5

227 85.8 31.4 94.2



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

15.02

400

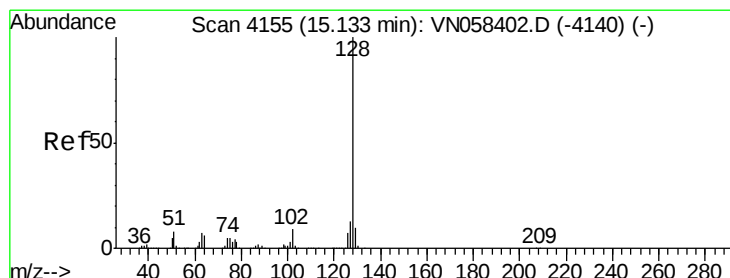
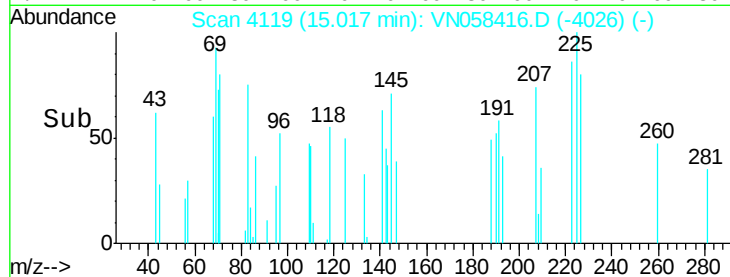
300

200

100

0

Time--> 15.00 15.02 15.04



#95

Naphthalene

Concen: 3.050 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN058416.D

Acq: 27 Sep 2019 18:19

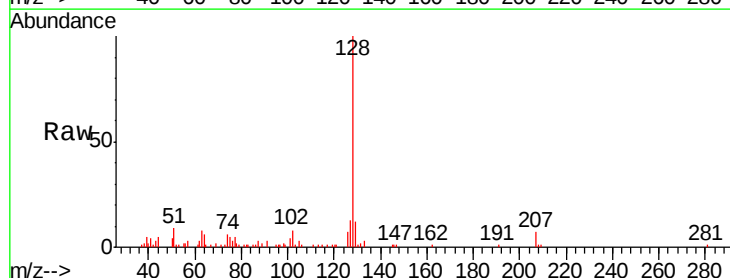
Tgt Ion:128 Resp: 39932

Ion Ratio Lower Upper

128 100

127 14.8 10.2 15.4

129 9.1 8.3 12.5



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

15.14

30000

25000

20000

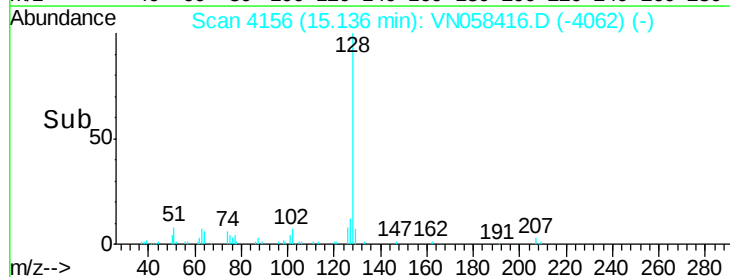
15000

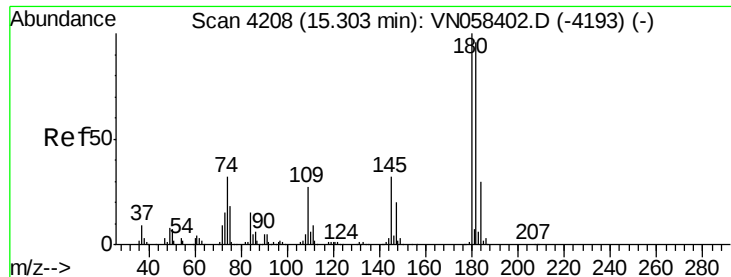
10000

5000

0

Time--> 15.05 15.10 15.15





#96
 1,2,3-Trichlorobenzene
 Concen: 1.094 ug/l
 RT: 15.30 min Scan# 4208
 Delta R.T. -0.00 min
 Lab File: VN058416.D
 Acq: 27 Sep 2019 18:19

Instrument :
 MSVOA_N
 ClientSampleId :
 PAT-091019-B

Tgt Ion	Ratio	Lower	Upper
180	100		
182	88.2	48.3	144.9
145	100.9	16.1	48.3#

