

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112219\
 Data File : VN059376.D
 Acq On : 22 Nov 2019 19:26
 Operator : JC/SP
 Sample : K5676-30
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SU-03-112019

Quant Time: Nov 22 22:37:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112019W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 21 08:44:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	374398	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	572565	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	510178	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	201901	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	216290	48.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.30%	
35) Dibromofluoromethane	7.57	113	172582	50.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.48%	
50) Toluene-d8	10.08	98	707550	51.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.62%	
62) 4-Bromofluorobenzene	12.40	95	229928	48.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.30%	

Target Compounds

						Qvalue
14) Allyl chloride	4.53	41	32765	4.340	ug/l #	29
16) Acetone	3.80	43	11786	5.851	ug/l	95
17) Carbon Disulfide	4.03	76	1495	0.258	ug/l #	75
18) Methyl Acetate	4.30	43	3779	0.565	ug/l #	67
20) Methylene Chloride	4.52	84	839452	184.790	ug/l	99
25) 2-Butanone	6.83	43	1092	0.349	ug/l #	49
29) Tetrahydrofuran	7.20	42	577	0.266	ug/l #	34
31) Cyclohexane	7.64	56	6728	0.851	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	27431	4.641	ug/l #	49
38) Carbon Tetrachloride	7.64	117	33902	5.991	ug/l #	16
43) Isopropyl Acetate	8.15	43	75794	7.807	ug/l #	92
45) 1,2-Dichloropropane	9.26	63	1747	0.378	ug/l #	45
48) Methyl methacrylate	9.17	41	4748	1.075	ug/l #	14
49) 1,4-Dioxane	9.26	88	109	1.643	ug/l #	1
51) 4-Methyl-2-Pentanone	9.97	43	5195	0.914	ug/l	91
52) Toluene	10.15	92	9596	0.920	ug/l	99
54) cis-1,3-Dichloropropene	9.90	75	32365	4.515	ug/l #	62
56) Ethyl methacrylate	10.53	69	965	2.327	ug/l #	1
57) 1,3-Dichloropropane	10.76	76	5674	0.803	ug/l #	42
59) 2-Hexanone	10.76	43	78767	18.930	ug/l #	50
67) Ethyl Benzene	11.51	91	23773	1.214	ug/l	98
68) m/p-Xylenes	11.62	106	32249	4.431	ug/l	98
69) o-Xylene	11.95	106	13365	1.918	ug/l	99
70) Styrene	11.96	104	2457	0.223	ug/l #	10
71) Bromoform	12.40	173	974	0.323	ug/l #	1
74) N-amyl acetate	12.03	43	3443	0.518	ug/l #	42
76) 1,2,3-Trichloropropane	12.40	75	110819	23.758	ug/l #	100
78) n-propylbenzene	12.59	91	8266	0.441	ug/l	98
79) 2-Chlorotoluene	12.65	91	4024	0.350	ug/l #	41
80) 1,3,5-Trimethylbenzene	12.73	105	25585	1.840	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	110819	59.424	ug/l #	14
82) 4-Chlorotoluene	12.73	91	2635	0.221	ug/l #	42
83) tert-Butylbenzene	13.04	119	12845	1.094	ug/l #	70
84) 1,2,4-Trimethylbenzene	13.04	105	100721	7.395	ug/l	99

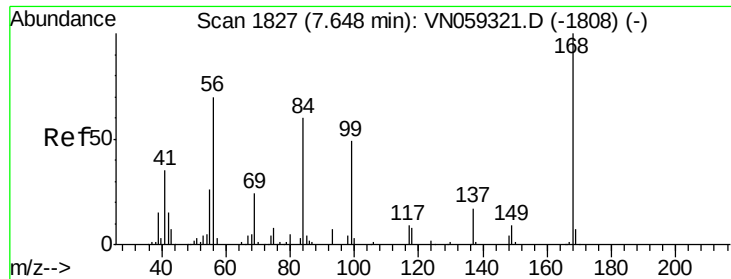
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
85) sec-Butylbenzene	13.04	105	100721	6.382	ug/l #	57
86) p-Isopropyltoluene	13.23	119	4241	0.302	ug/l	90
90) Hexachloroethane	13.89	117	1868	0.702	ug/l #	9
92) 1,2-Dibromo-3-Chloropropan	14.25	75	323	0.278	ug/l #	3
93) 1,2,4-Trichlorobenzene	14.91	180	246	2.992	ug/l #	1
95) Naphthalene	15.13	128	126584	13.128	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	102	1.925	ug/l #	1

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN059376.D

Acq: 22 Nov 2019 19:26

Instrument :

MSVOA_N

ClientSampleId :

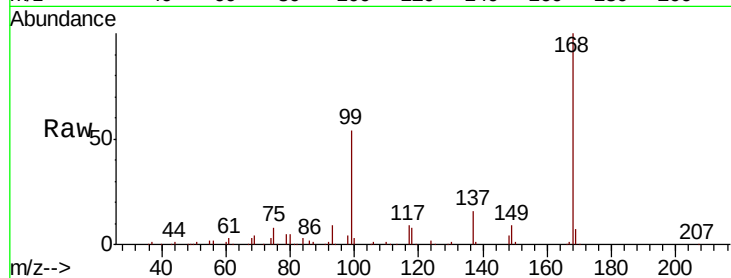
SU-03-112019

Tot Ion:168 Resp: 374398

Ion Ratio Lower Upper

168 100

99 54.3 44.6 66.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

150000

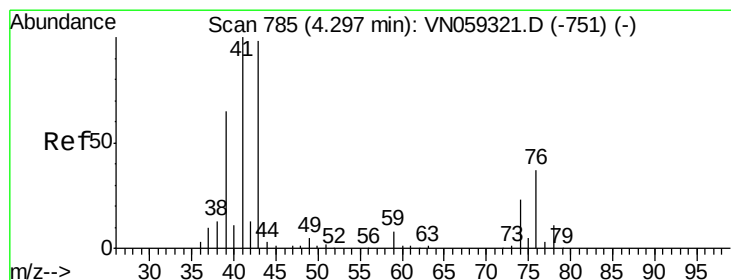
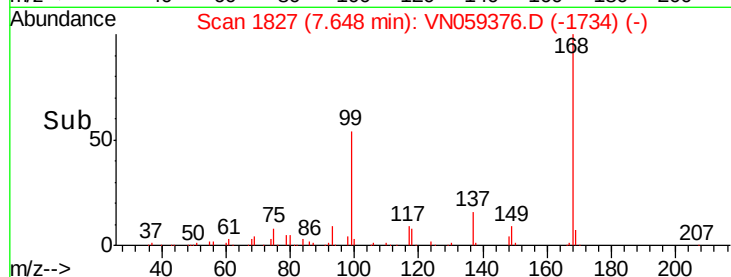
100000

50000

0

7.60 7.70

Time-->



#14

Allyl chloride

Concen: 4.340 ug/l

RT: 4.53 min Scan# 856

Delta R.T. 0.23 min

Lab File: VN059376.D

Acq: 22 Nov 2019 19:26

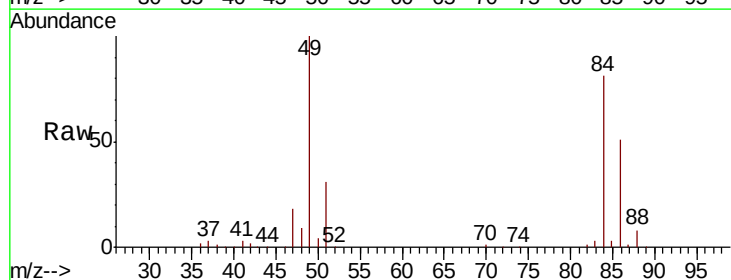
Tgt Ion: 41 Resp: 32765

Ion Ratio Lower Upper

41 100

39 0.9 48.4 72.6#

76 0.0 26.2 39.4#



Abundance Ion 41.00 (40.70 to 41.70): VN

Ion 39.00 (38.70 to 39.70): VN

Ion 75.90 (75.60 to 76.60): VN

4.53

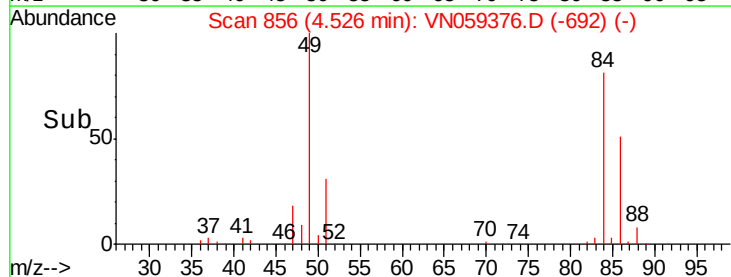
10000

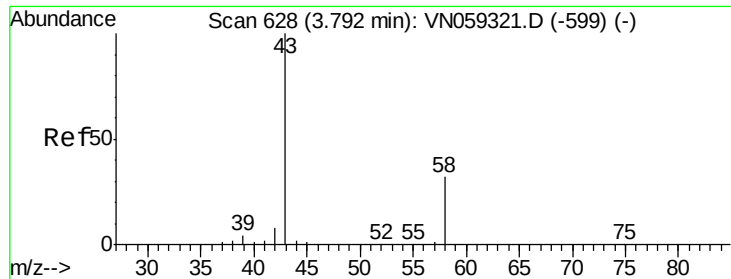
5000

0

4.40 4.45 4.50 4.55 4.60

Time-->





#16

Acetone

Concen: 5.851 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN059376.D

Acq: 22 Nov 2019 19:26

Instrument :

MSVOA_N

ClientSampled :

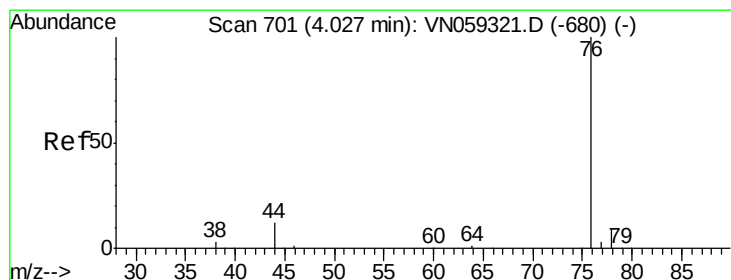
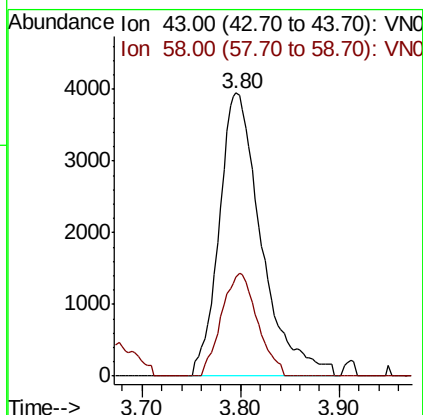
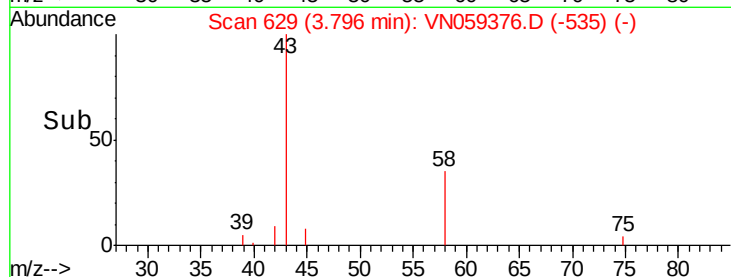
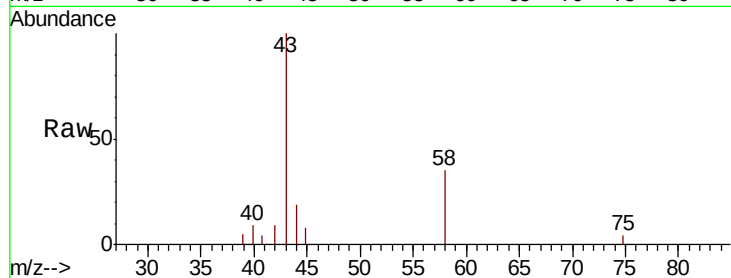
SU-03-112019

Tot Ion: 43 Resp: 11786

Ion Ratio Lower Upper

43 100

58 35.1 25.8 38.6



#17

Carbon Disulfide

Concen: 0.258 ug/l

RT: 4.03 min Scan# 703

Delta R.T. 0.01 min

Lab File: VN059376.D

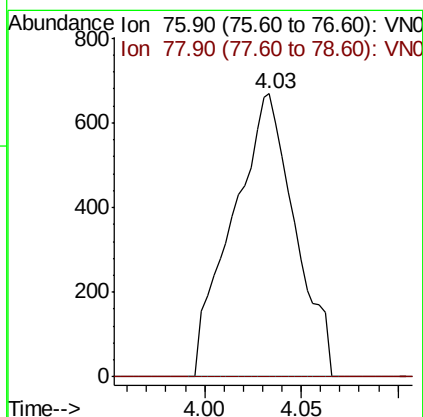
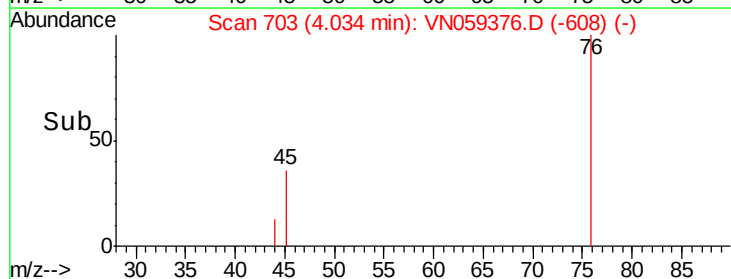
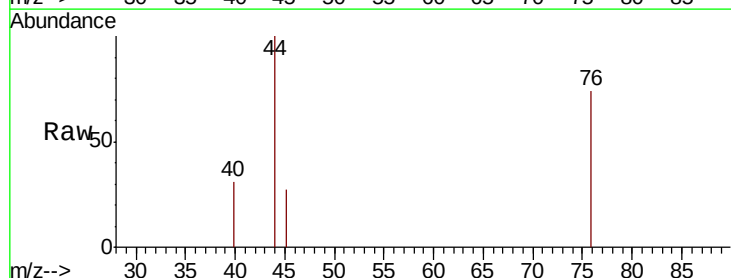
Acq: 22 Nov 2019 19:26

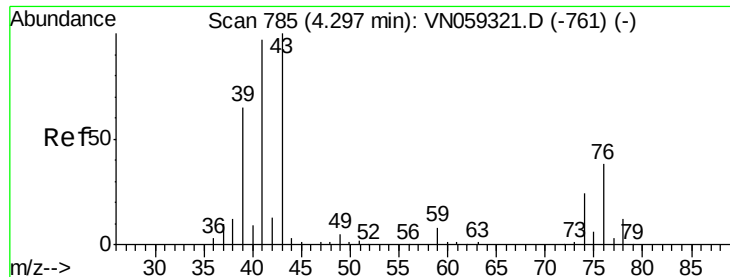
Tgt Ion: 76 Resp: 1495

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#

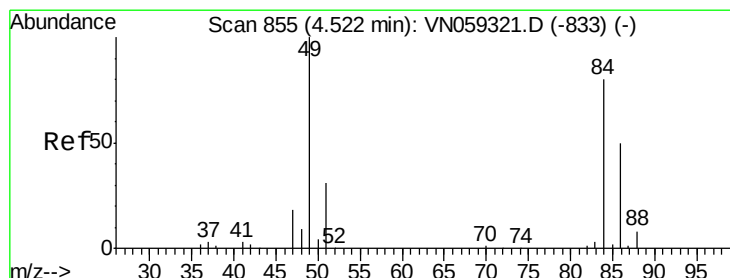
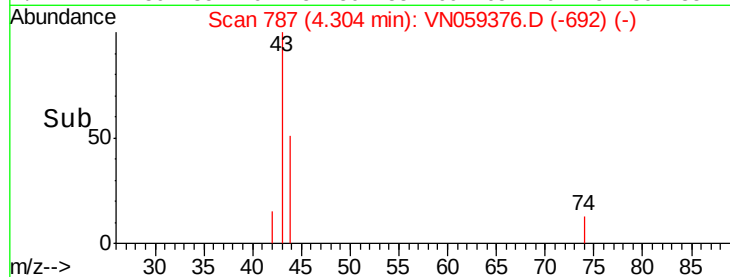
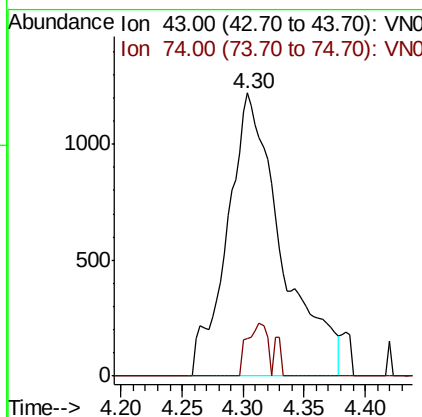
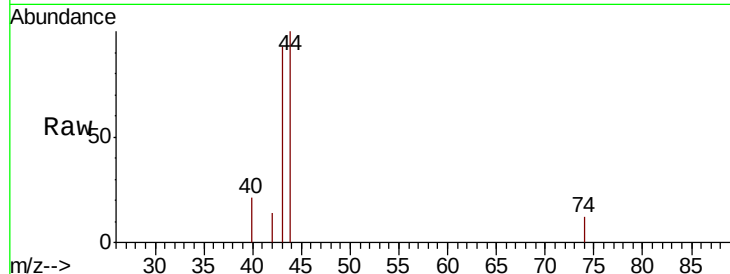




#18
Methvl Acetate
Concen: 0.565 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.01 min
Lab File: VN059376.D
Acq: 22 Nov 2019 19:26

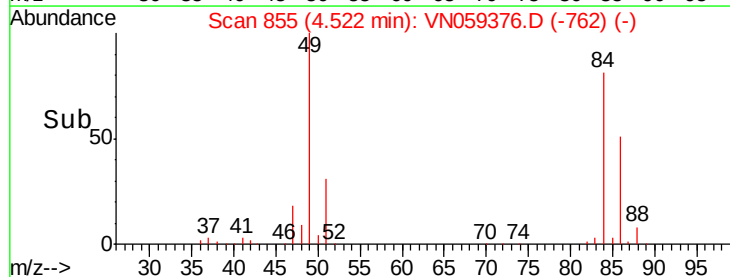
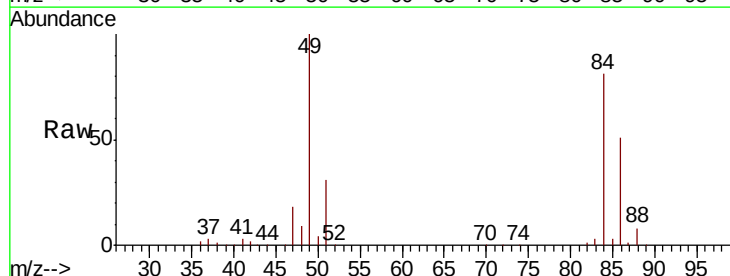
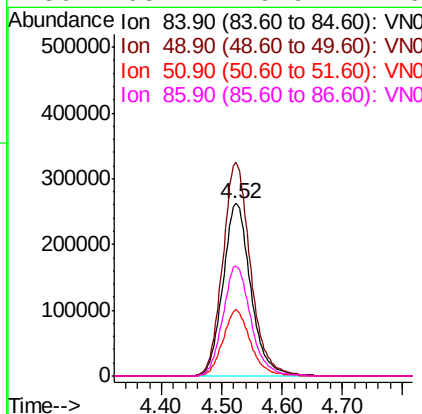
Instrument :
MSVOA_N
ClientSampled :
SU-03-112019

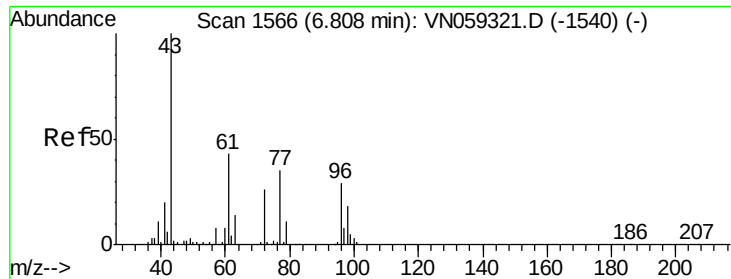
Tot Ion: 43 Resp: 3779
Ion Ratio Lower Upper
43 100
74 6.6 18.1 27.1#



#20
Methylene Chloride
Concen: 184.790 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN059376.D
Acq: 22 Nov 2019 19:26

Tgt Ion: 84 Resp: 839452
Ion Ratio Lower Upper
84 100
49 123.7 99.5 149.3
51 38.3 31.1 46.7
86 63.7 49.9 74.9





#25

2-Butanone

Concen: 0.349 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.02 min

Lab File: VN059376.D

Acq: 22 Nov 2019 19:26

Instrument :

MSVOA_N

ClientSampleId :

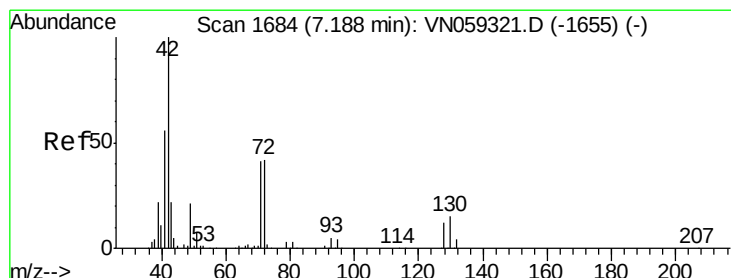
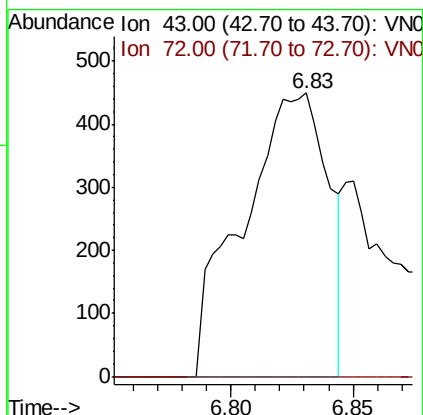
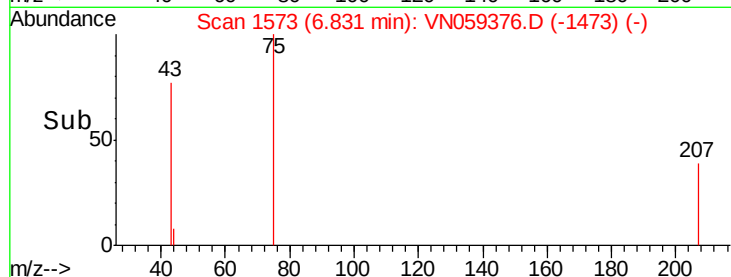
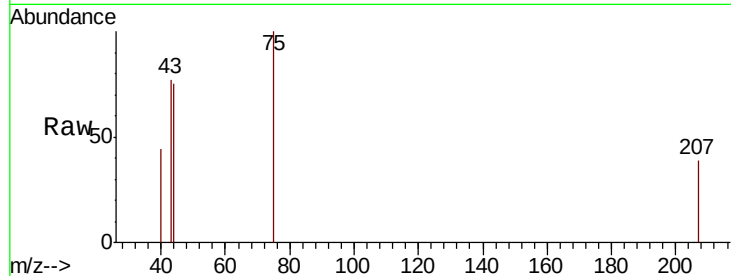
SU-03-112019

Tot Ion: 43 Resp: 1092

Ion Ratio Lower Upper

43 100

72 0.0 20.5 30.7#



#29

Tetrahydrofuran

Concen: 0.266 ug/l

RT: 7.20 min Scan# 1688

Delta R.T. 0.01 min

Lab File: VN059376.D

Acq: 22 Nov 2019 19:26

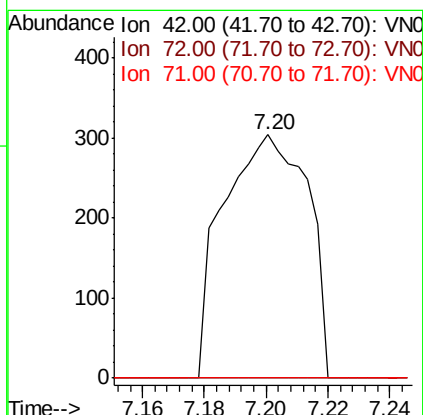
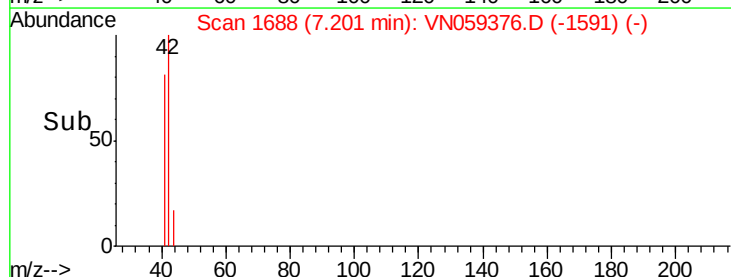
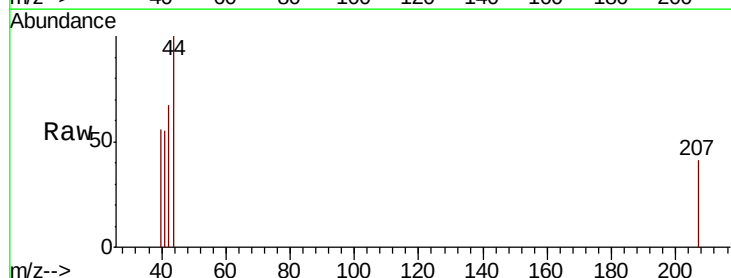
Tgt Ion: 42 Resp: 577

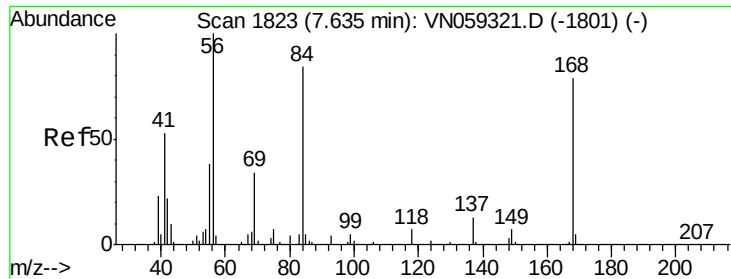
Ion Ratio Lower Upper

42 100

72 0.0 34.2 51.2#

71 0.0 32.6 48.8#

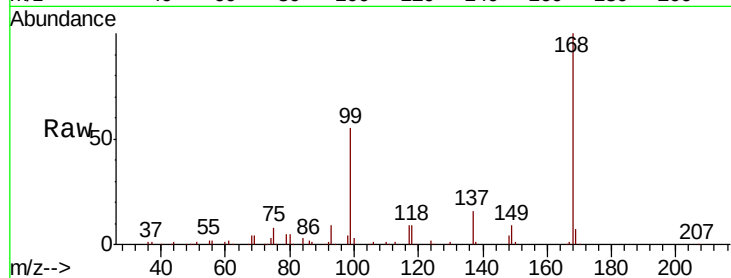




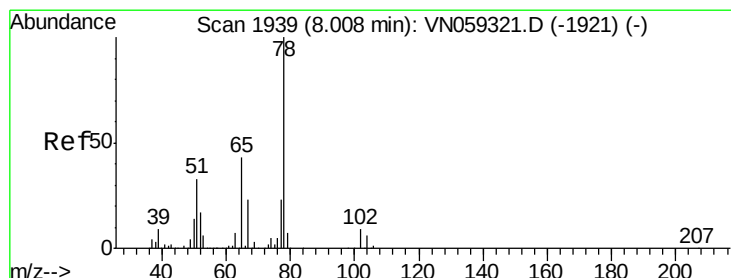
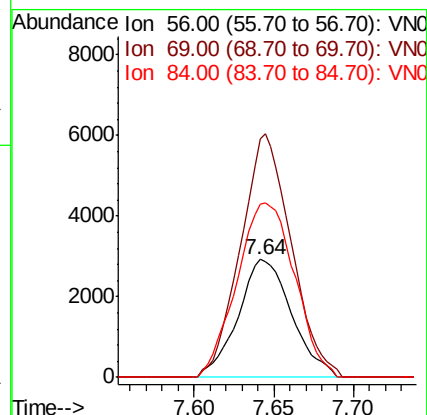
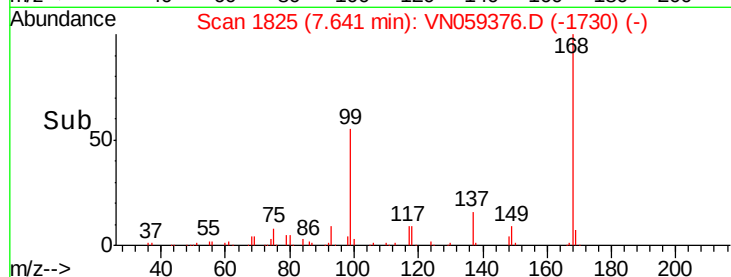
#31
Cyclohexane
Concen: 0.851 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN059376.D
Acq: 22 Nov 2019 19:26

Instrument :
MSVOA_N
ClientSampleId :
SU-03-112019

Tot Ion: 56 Resp: 6728
Ion Ratio Lower Upper
56 100
69 202.8 26.6 40.0#
84 147.5 67.0 100.4#

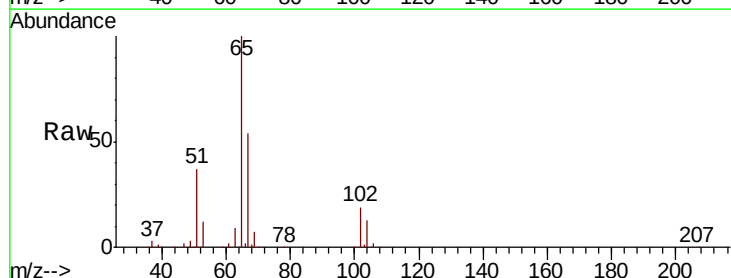


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

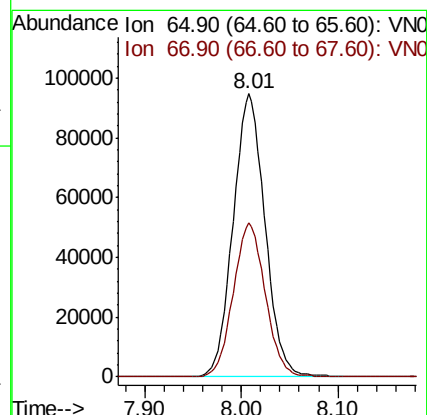
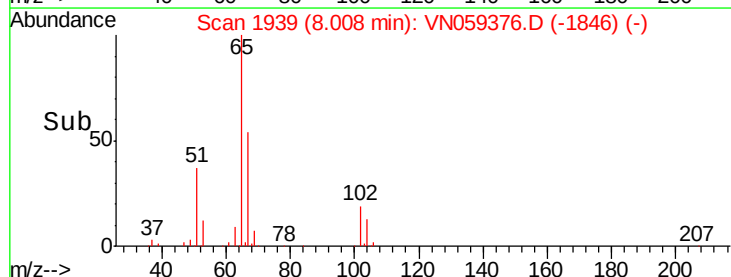


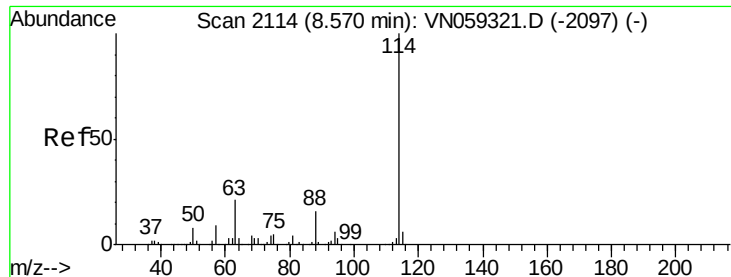
#33
1,2-Dichloroethane-d4
Concen: 48.148 ug/l
RT: 8.01 min Scan# 1939
Delta R.T. -0.00 min
Lab File: VN059376.D
Acq: 22 Nov 2019 19:26

Tgt Ion: 65 Resp: 216290
Ion Ratio Lower Upper
65 100
67 54.7 0.0 109.4



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# 2114

Delta R.T. -0.00 min

Lab File: VN059376.D

Acq: 22 Nov 2019 19:26

Instrument :

MSVOA_N

ClientSampleId :

SU-03-112019

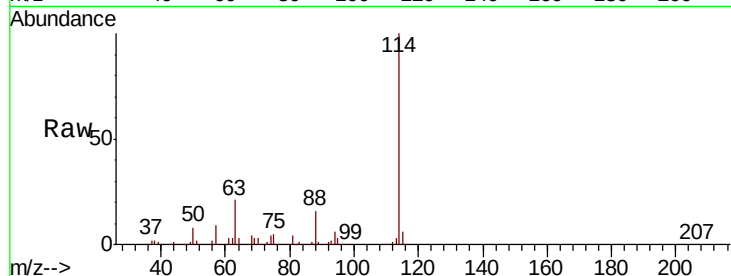
Tot Ion:114 Resp: 572565

Ion Ratio Lower Upper

114 100

63 20.8 0.0 42.2

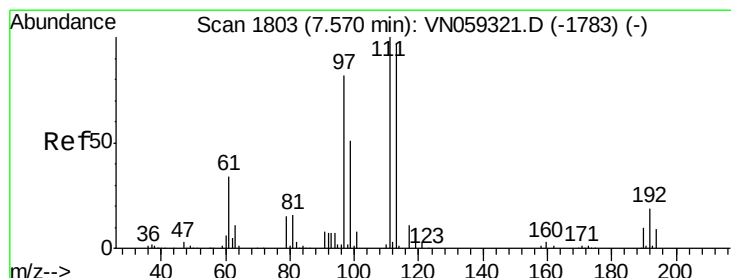
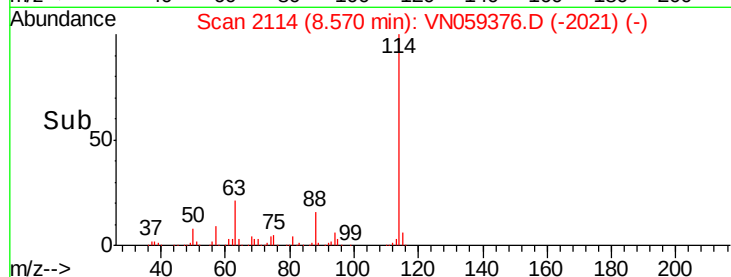
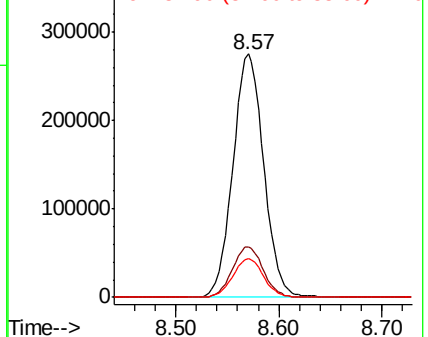
88 15.7 0.0 32.2



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: 50.241 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN059376.D

Acq: 22 Nov 2019 19:26

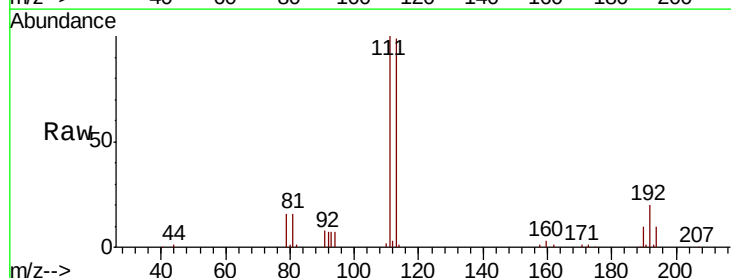
Tgt Ion:113 Resp: 172582

Ion Ratio Lower Upper

113 100

111 103.0 82.7 124.1

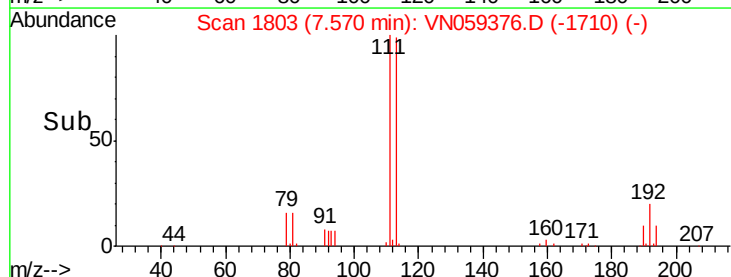
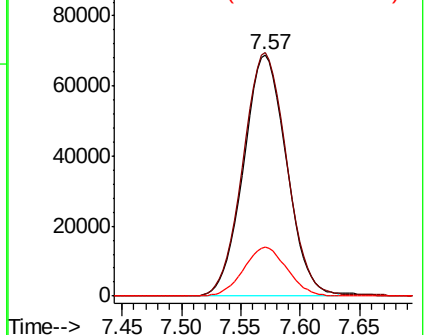
192 20.5 16.3 24.5

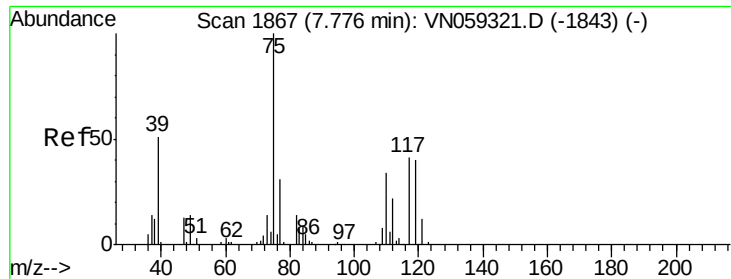


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.641 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.13 min

Lab File: VN059376.D

Acq: 22 Nov 2019 19:26

Instrument :

MSVOA_N

ClientSampleId :

SU-03-112019

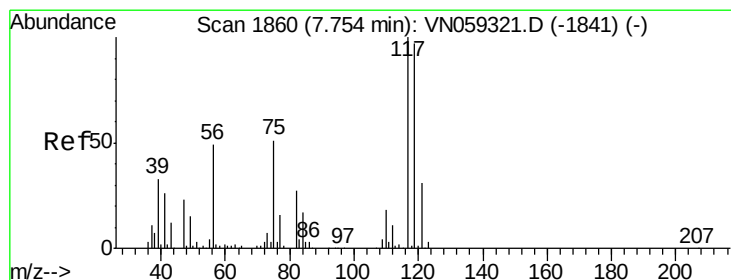
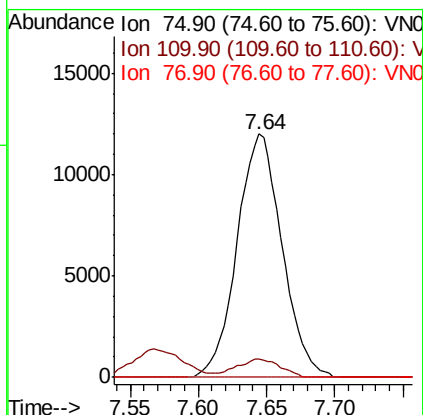
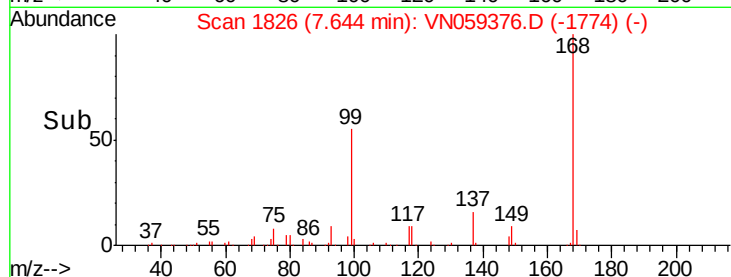
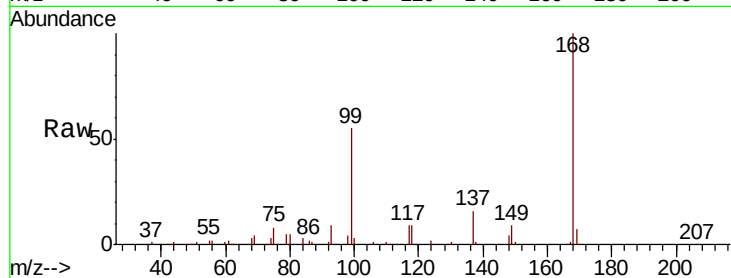
Tot Ion: 75 Resp: 27431

Ion Ratio Lower Upper

75 100

110 7.2 17.0 51.0#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 5.991 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.11 min

Lab File: VN059376.D

Acq: 22 Nov 2019 19:26

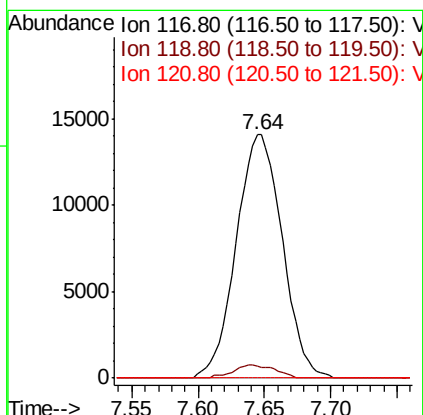
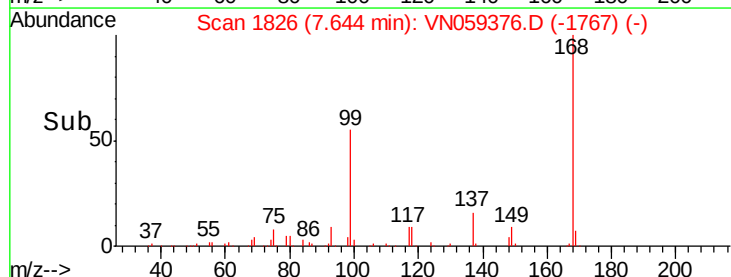
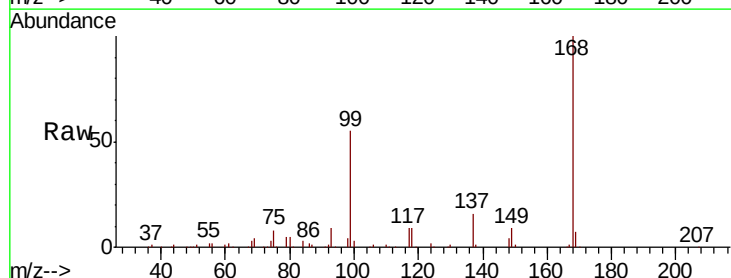
Tgt Ion: 117 Resp: 33902

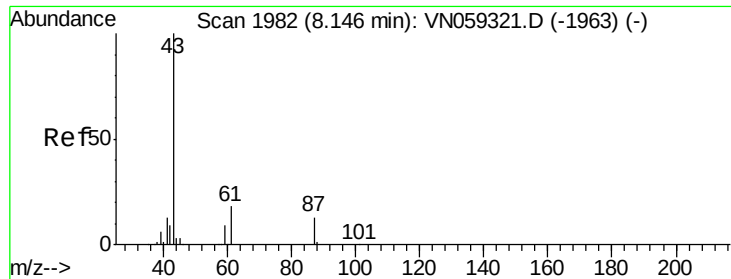
Ion Ratio Lower Upper

117 100

119 4.8 77.0 115.4#

121 0.0 24.4 36.6#





#43

Isopropyl Acetate

Concen: 7.807 ug/l

RT: 8.15 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VN059376.D

Acq: 22 Nov 2019 19:26

Instrument :

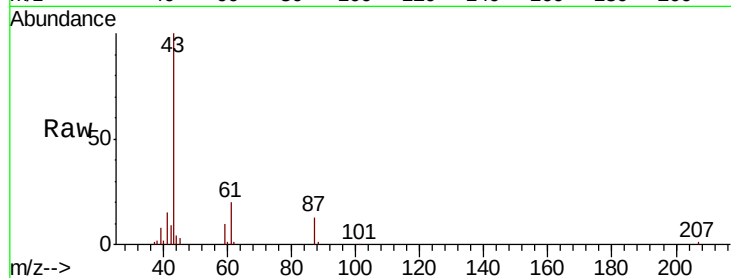
MSVOA_N

ClientSampleId :

SU-03-112019

Tot Ion: 43 Resp: 75794

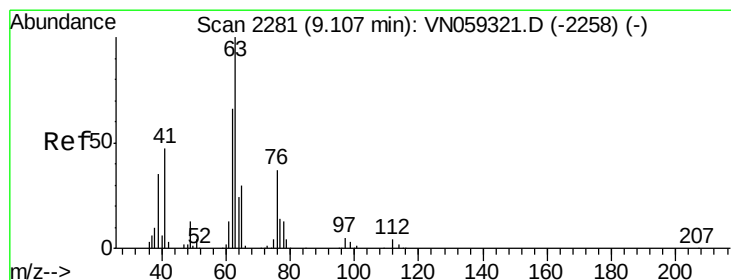
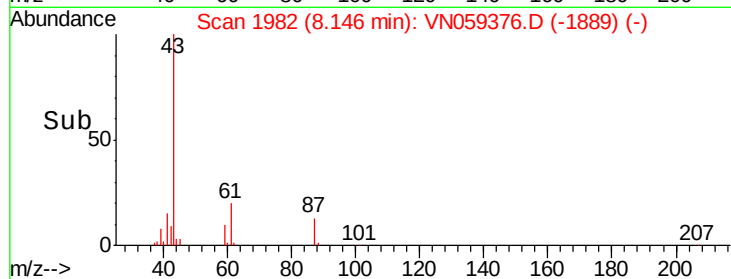
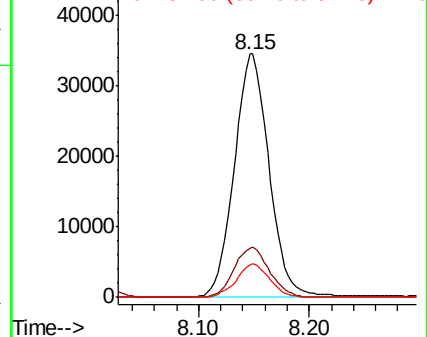
Ion	Ratio	Lower	Upper
43	100		
61	20.7	21.7	32.5#
87	12.9	10.2	15.4



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



#45

1,2-Dichloropropane

Concen: 0.378 ug/l

RT: 9.26 min Scan# 2327

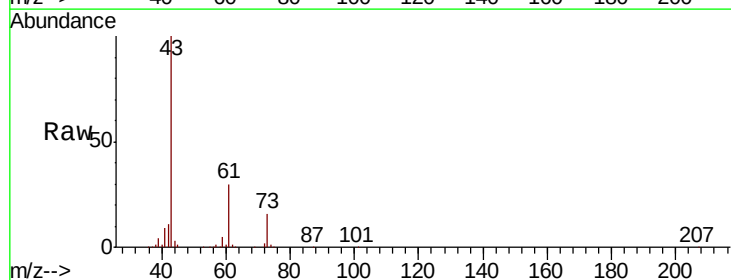
Delta R.T. 0.15 min

Lab File: VN059376.D

Acq: 22 Nov 2019 19:26

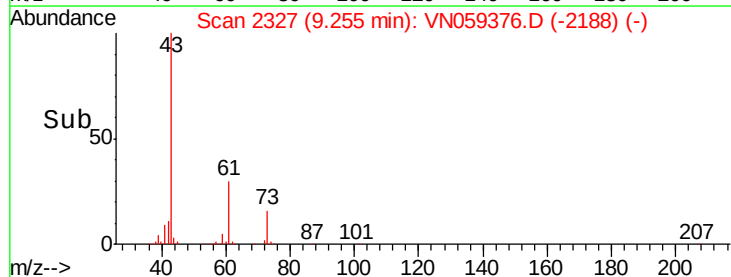
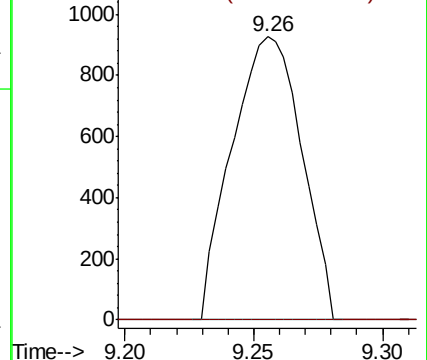
Tgt Ion: 63 Resp: 1747

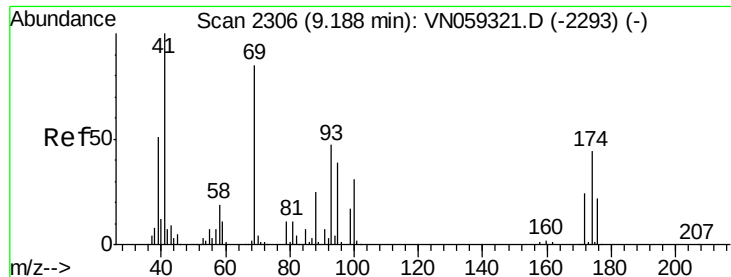
Ion	Ratio	Lower	Upper
63	100		
65	0.0	23.9	35.9#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

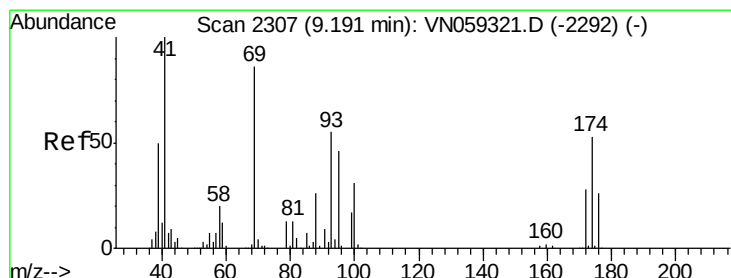
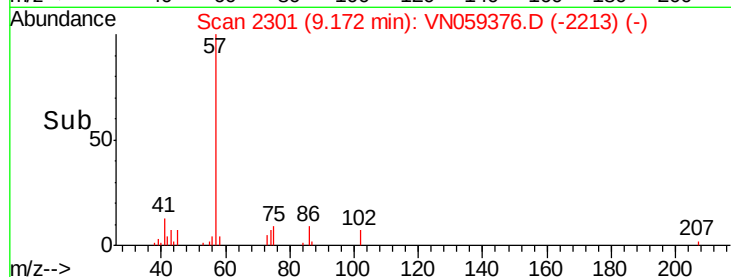
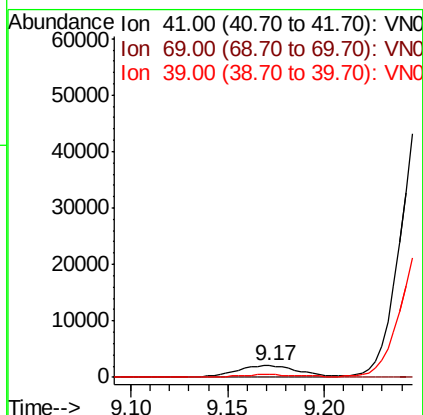
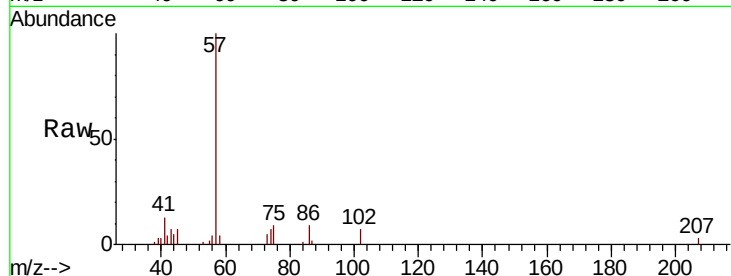




#48
Methvl methacrylate
Concen: 1.075 ug/l
RT: 9.17 min Scan# 2301
Delta R.T. -0.02 min
Lab File: VN059376.D
Acq: 22 Nov 2019 19:26

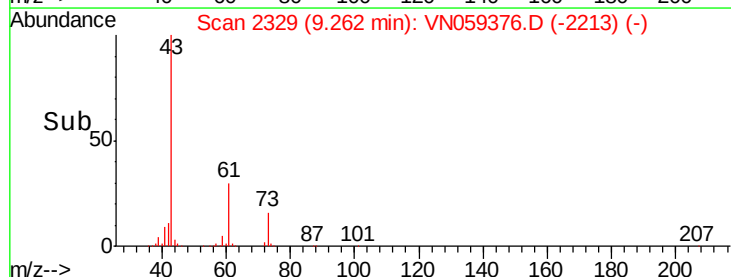
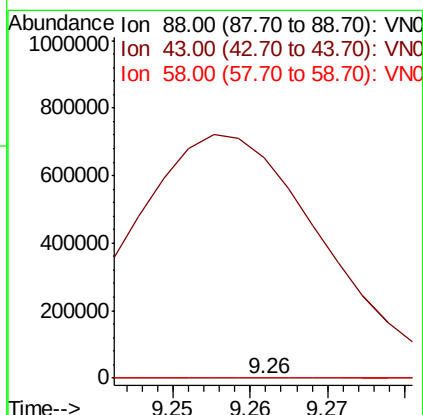
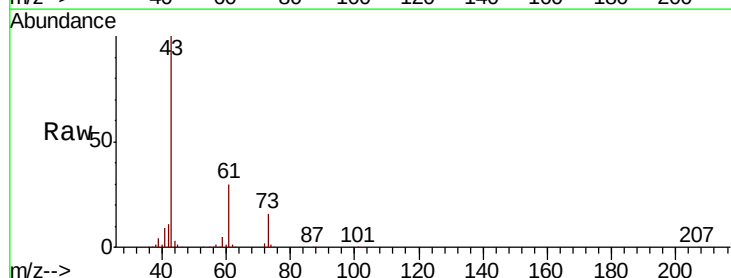
Instrument :
MSVOA_N
ClientSampleId :
SU-03-112019

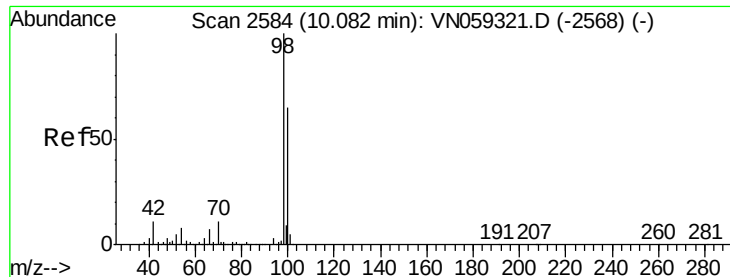
Tot Ion: 41 Resp: 4748
Ion Ratio Lower Upper
41 100
69 0.0 68.8 103.2#
39 0.0 42.1 63.1#



#49
1,4-Dioxane
Concen: 1.643 ug/l
RT: 9.26 min Scan# 2329
Delta R.T. 0.07 min
Lab File: VN059376.D
Acq: 22 Nov 2019 19:26

Tgt Ion: 88 Resp: 109
Ion Ratio Lower Upper
88 100
43 1225129.4 26.9 40.3#
58 5218.3 59.2 88.8#





#50

Toluene-d8

Concen: 51.813 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. 0.00 min

Lab File: VN059376.D

Acq: 22 Nov 2019 19:26

Instrument :

MSVOA_N

ClientSampleId :

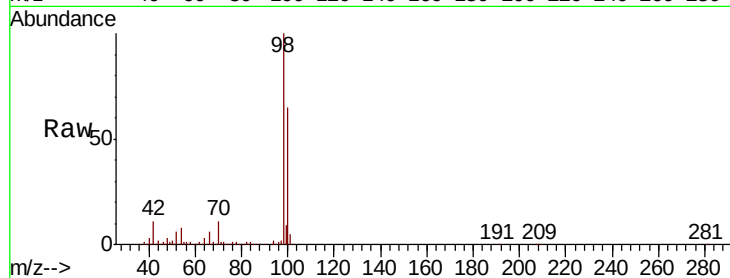
SU-03-112019

Tot Ion: 98 Resp: 707550

Ion Ratio Lower Upper

98 100

100 64.5 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN059321.D (-2568) (-)

Ion 100.00 (99.70 to 100.70): VN059321.D (-2568) (-)

10.08

400000

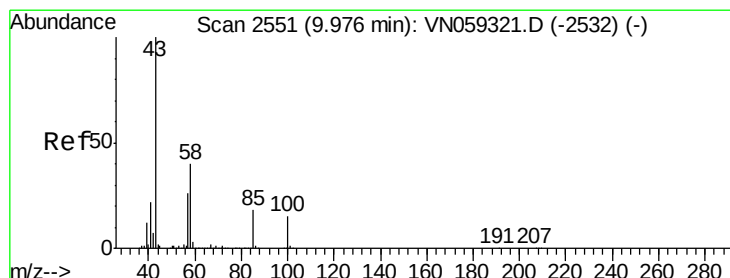
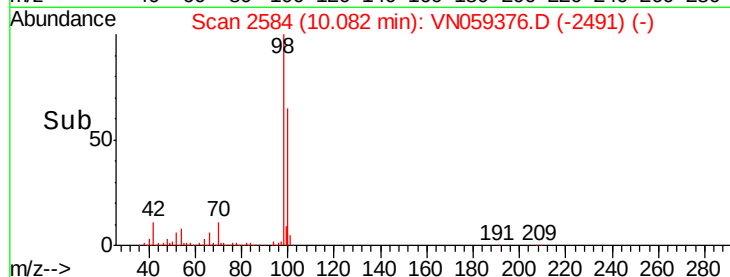
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.914 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VN059376.D

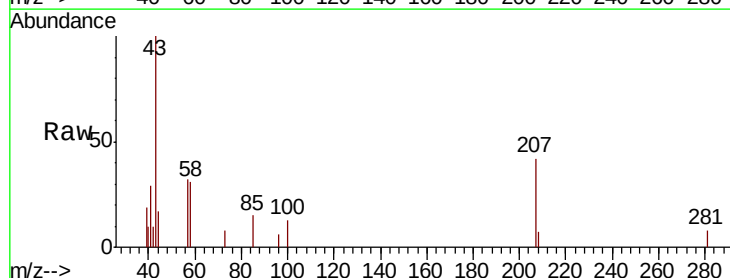
Acq: 22 Nov 2019 19:26

Tgt Ion: 43 Resp: 5195

Ion Ratio Lower Upper

43 100

58 34.3 31.8 47.8



Abundance Ion 43.00 (42.70 to 43.70): VN059321.D (-2532) (-)

Ion 58.00 (57.70 to 58.70): VN059321.D (-2532) (-)

10000

8000

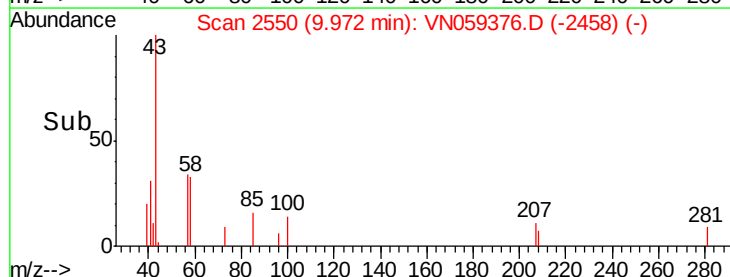
6000

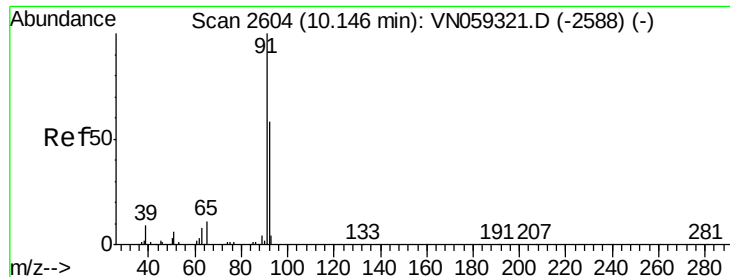
4000

2000

0

Time-->





#52

Toluene

Concen: 0.920 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VN059376.D

Acq: 22 Nov 2019 19:26

Instrument :

MSVOA_N

ClientSampleId :

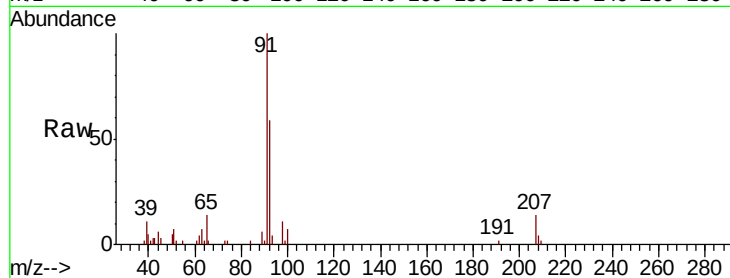
SU-03-112019

Tot Ion: 92 Resp: 9596

Ion Ratio Lower Upper

92 100

91 173.5 137.9 206.9



Abundance Ion 92.00 (91.70 to 92.70): VN059376.D (-2511) (-)

Ion 91.00 (90.70 to 91.70): VN059376.D (-2511) (-)

10000

8000

6000

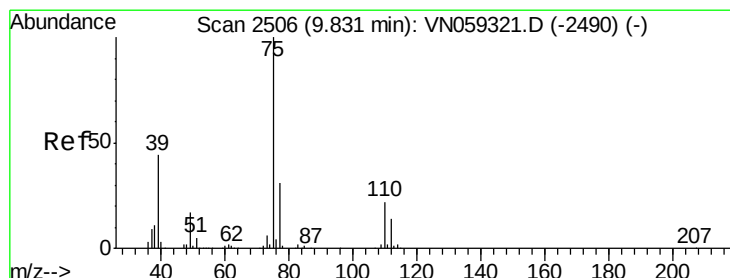
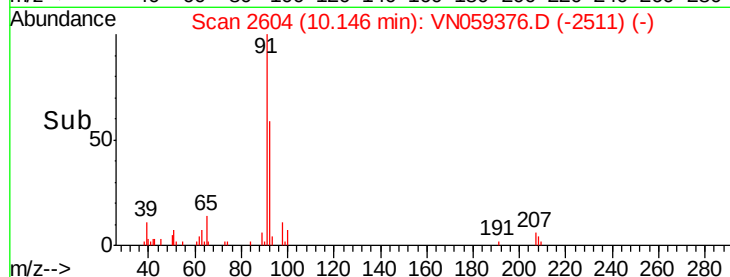
4000

2000

0

10.10 10.15 10.20

Time-->



#54

cis-1,3-Dichloropropene

Concen: 4.515 ug/l

RT: 9.90 min Scan# 2526

Delta R.T. 0.06 min

Lab File: VN059376.D

Acq: 22 Nov 2019 19:26

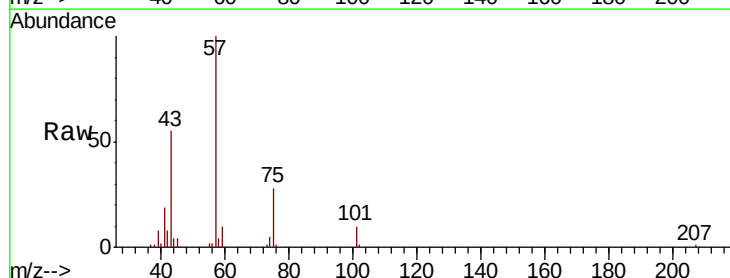
Tgt Ion: 75 Resp: 32365

Ion Ratio Lower Upper

75 100

77 0.0 25.0 37.4#

39 28.2 35.5 53.3#



Abundance Ion 74.90 (74.60 to 75.60): VN059376.D (-2413) (-)

Ion 76.90 (76.60 to 77.60): VN059376.D (-2413) (-)

Ion 39.00 (38.70 to 39.70): VN059376.D (-2413) (-)

25000

20000

15000

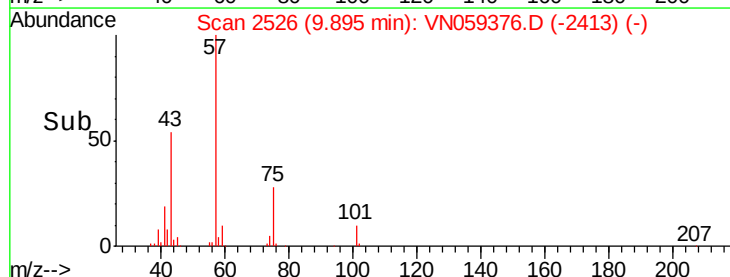
10000

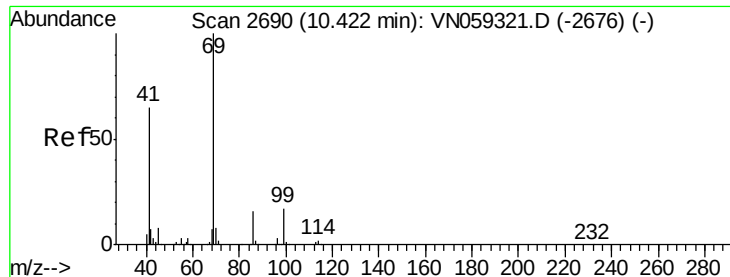
5000

0

9.85 9.90 9.95

Time-->





#56

Ethyl methacrylate

Concen: 2.327 ug/l

RT: 10.53 min Scan# 2725

Delta R.T. 0.11 min

Lab File: VN059376.D

Acq: 22 Nov 2019 19:26

Instrument :

MSVOA_N

ClientSampleId :

SU-03-112019

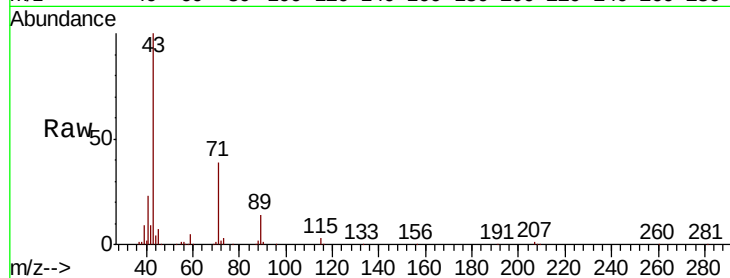
Tot Ion: 69 Resp: 965

Ion Ratio Lower Upper

69 100

41 5731.4 51.7 77.5#

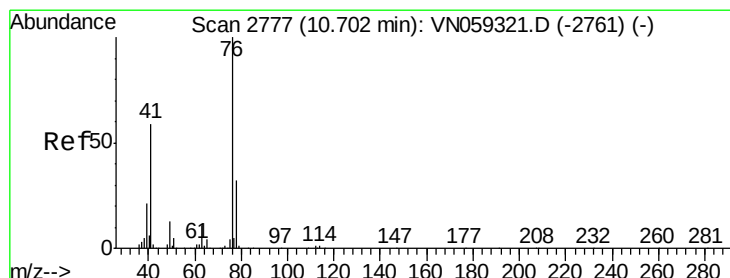
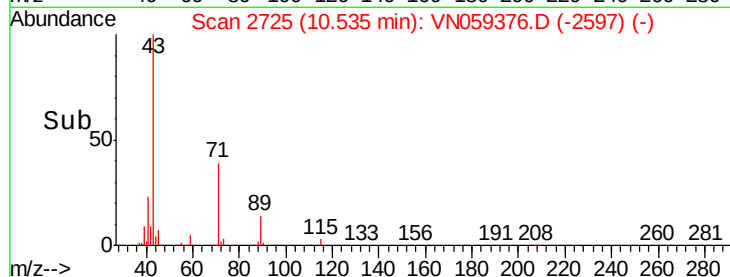
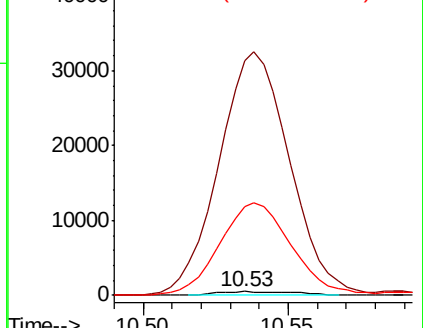
39 2206.5 25.2 37.8#



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#57

1,3-Dichloropropane

Concen: 0.803 ug/l

RT: 10.76 min Scan# 2794

Delta R.T. 0.05 min

Lab File: VN059376.D

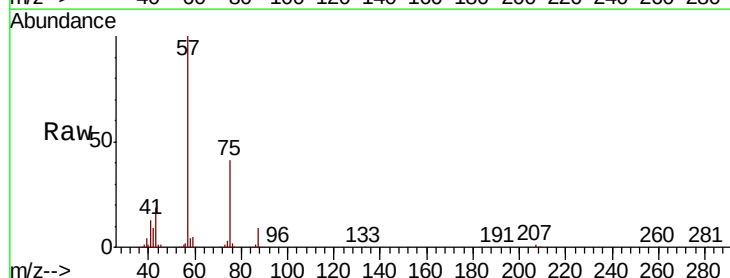
Acq: 22 Nov 2019 19:26

Tgt Ion: 76 Resp: 5674

Ion Ratio Lower Upper

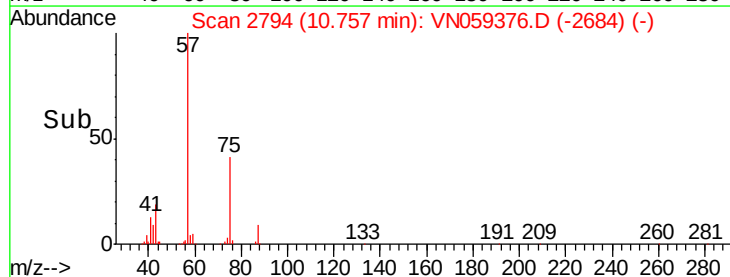
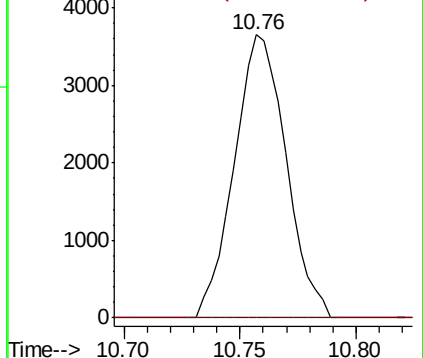
76 100

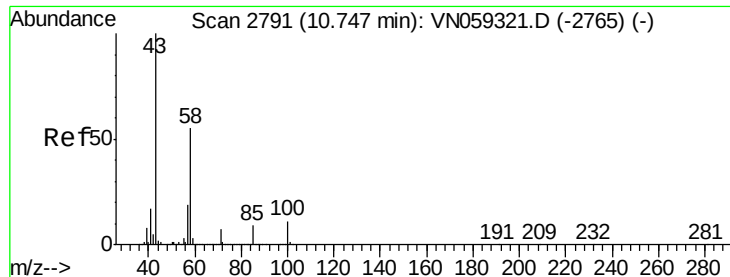
78 0.0 26.0 39.0#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

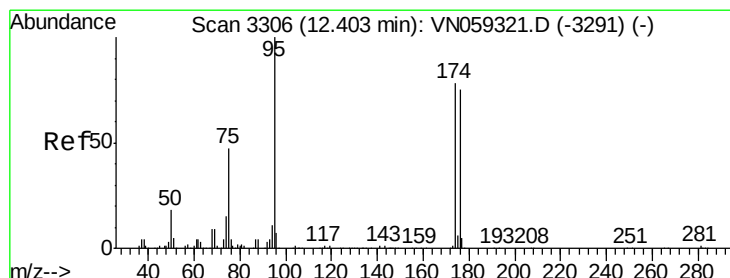
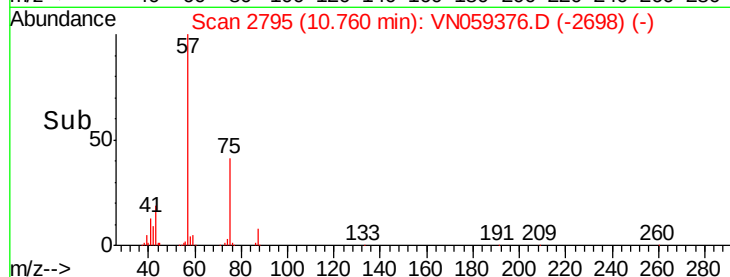
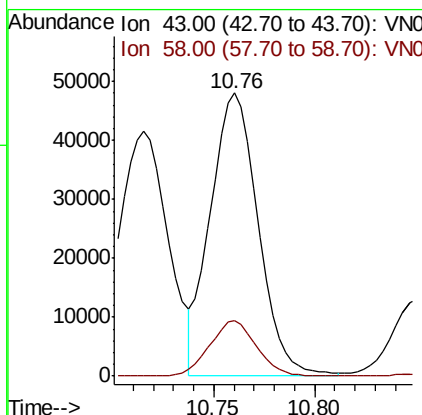
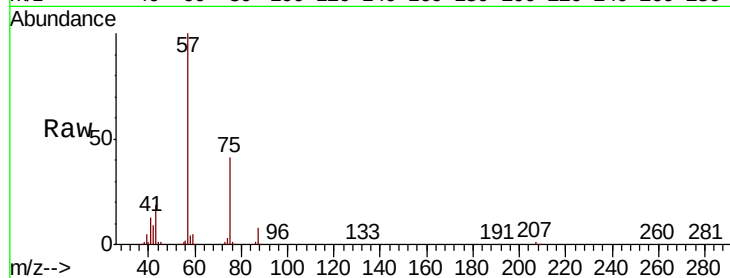




#59
2-Hexanone
Concen: 18.930 ug/l
RT: 10.76 min Scan# 2795
Delta R.T. 0.01 min
Lab File: VN059376.D
Acq: 22 Nov 2019 19:26

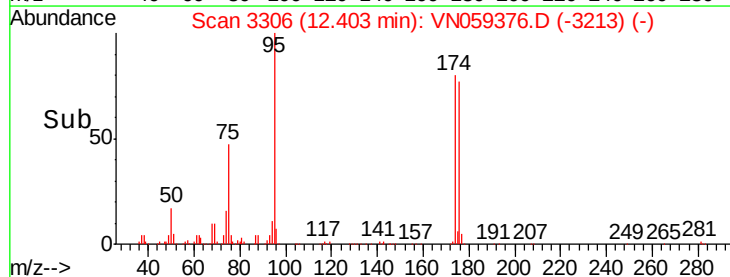
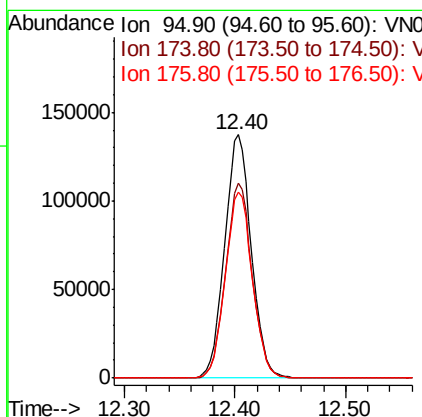
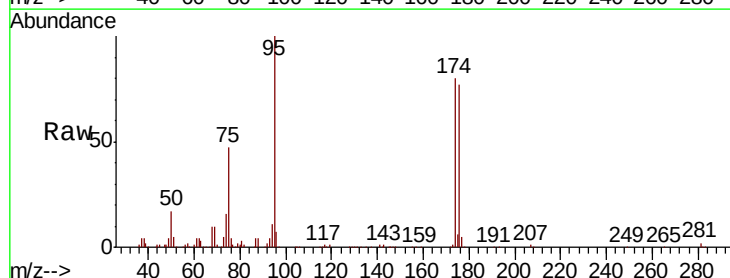
Instrument :
MSVOA_N
ClientSampled :
SU-03-112019

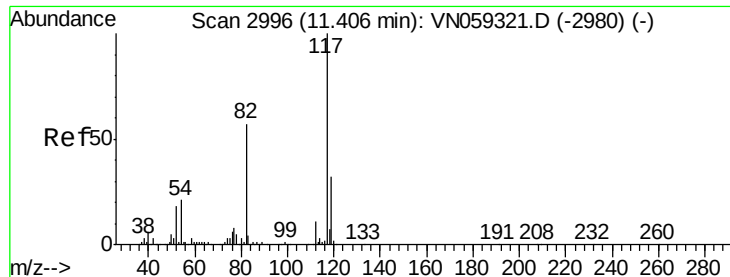
Tot Ion: 43 Resp: 78767
Ion Ratio Lower Upper
43 100
58 19.4 27.7 83.0#



#62
4-Bromofluorobenzene
Concen: 48.154 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN059376.D
Acq: 22 Nov 2019 19:26

Tgt Ion: 95 Resp: 229928
Ion Ratio Lower Upper
95 100
174 80.0 0.0 157.4
176 77.6 0.0 151.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN059376.D

Acq: 22 Nov 2019 19:26

Instrument :

MSVOA_N

ClientSampleId :

SU-03-112019

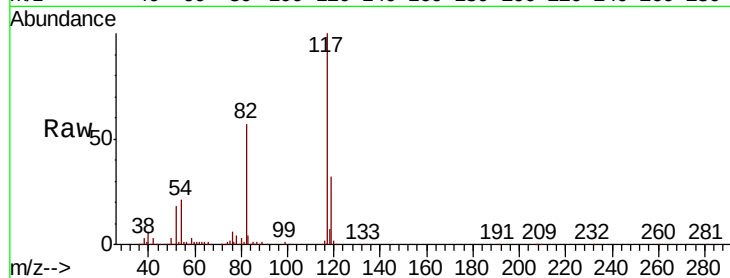
Tot Ion:117 Resp: 510178

Ion Ratio Lower Upper

117 100

82 57.0 45.7 68.5

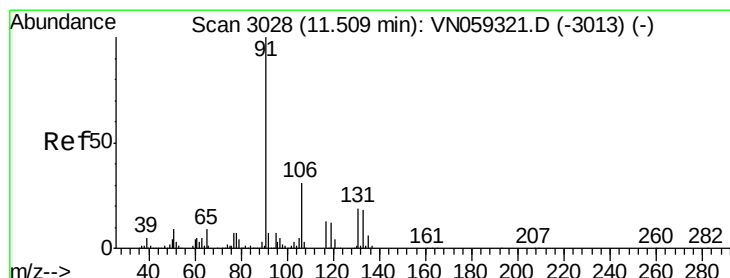
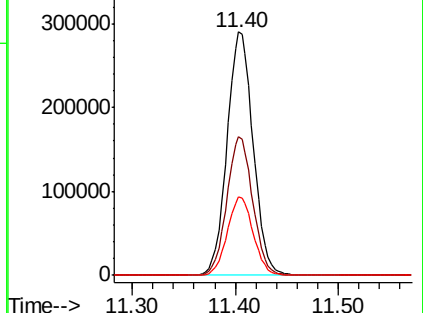
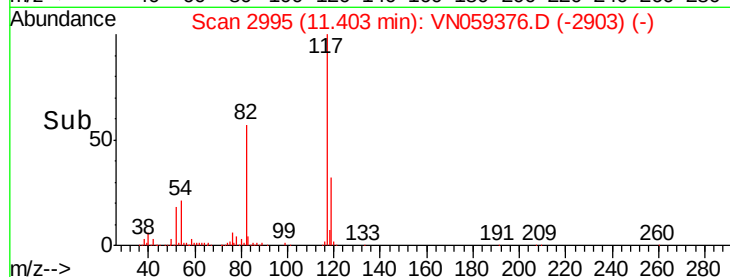
119 32.1 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

Ion 118.90 (118.60 to 119.60): V



#67

Ethyl Benzene

Concen: 1.214 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN059376.D

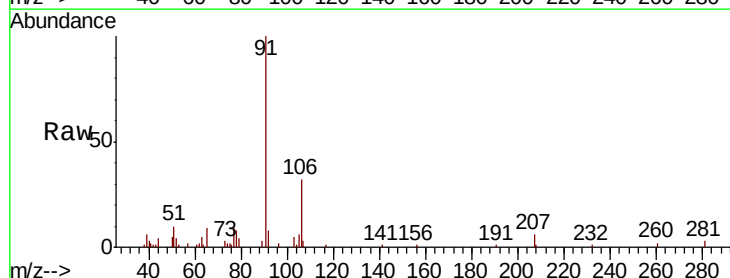
Acq: 22 Nov 2019 19:26

Tgt Ion: 91 Resp: 23773

Ion Ratio Lower Upper

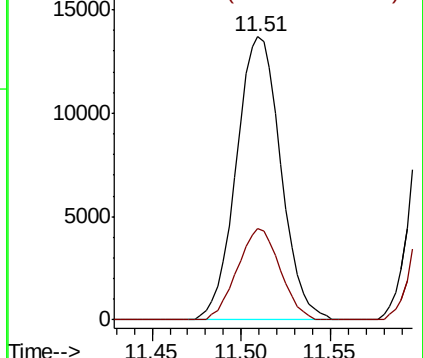
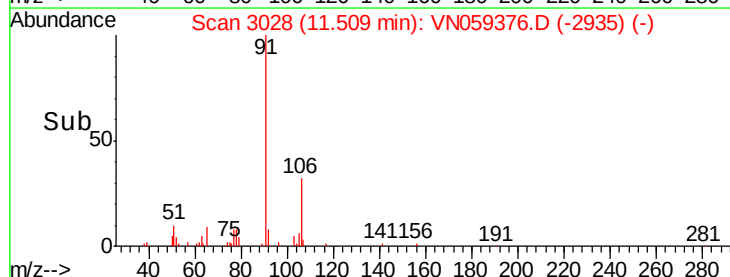
91 100

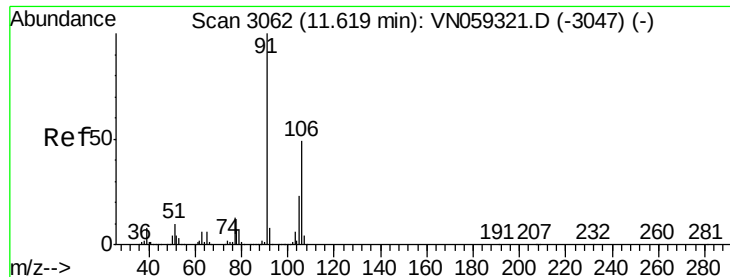
106 32.1 24.6 37.0



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 106.00 (105.70 to 106.70): V





#68

m/p-Xylenes

Concen: 4.431 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN059376.D

Acq: 22 Nov 2019 19:26

Instrument :

MSVOA_N

ClientSampled :

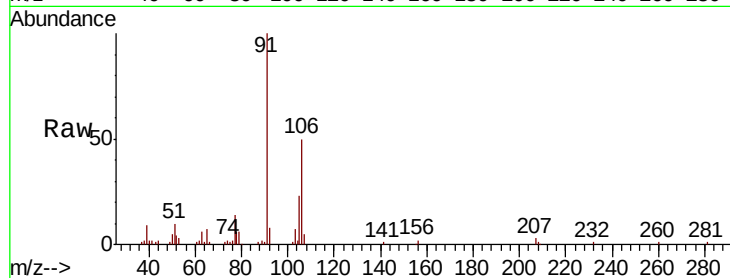
SU-03-112019

Tot Ion:106 Resp: 32249

Ion Ratio Lower Upper

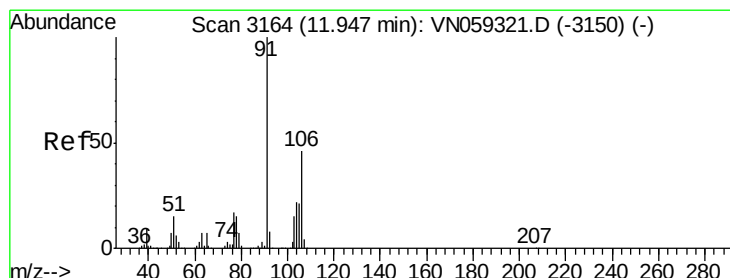
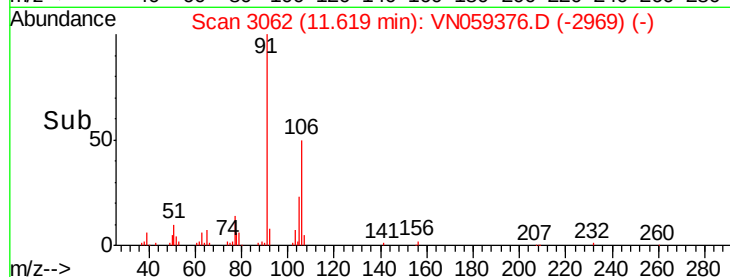
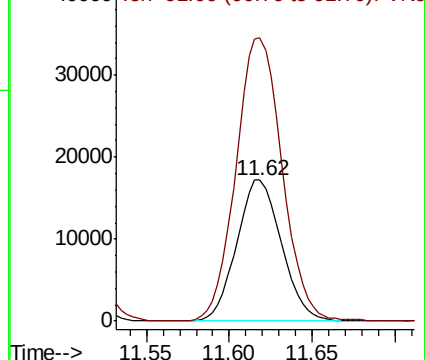
106 100

91 207.0 163.2 244.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#69

o-Xylene

Concen: 1.918 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. 0.00 min

Lab File: VN059376.D

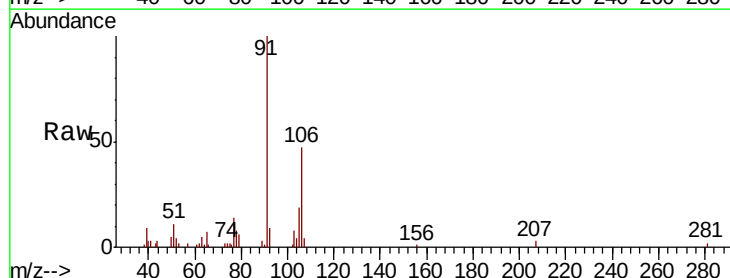
Acq: 22 Nov 2019 19:26

Tgt Ion:106 Resp: 13365

Ion Ratio Lower Upper

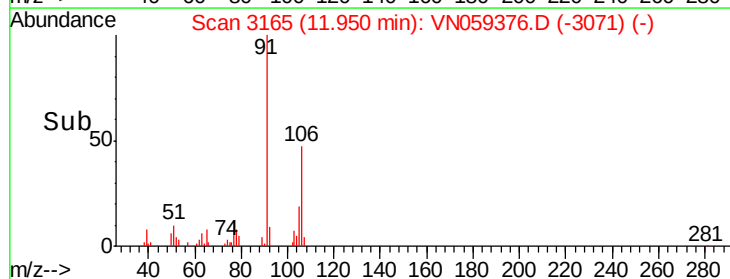
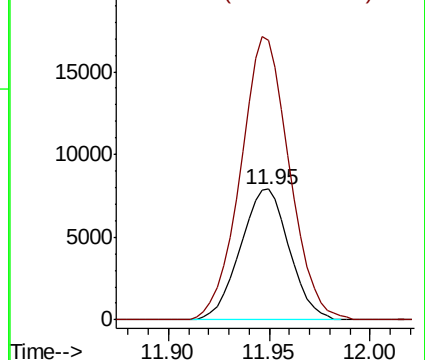
106 100

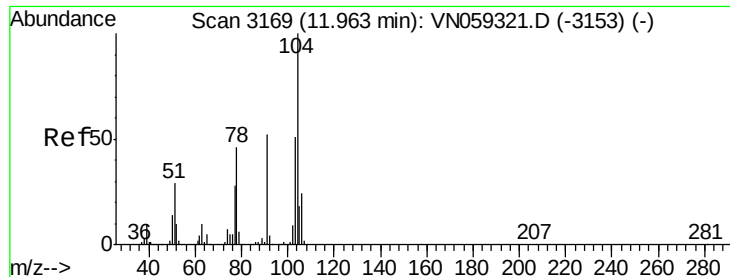
91 217.0 109.3 327.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

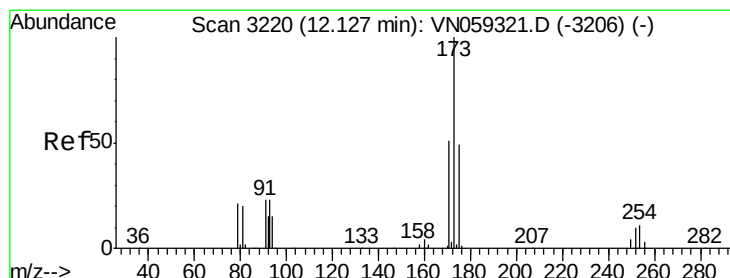
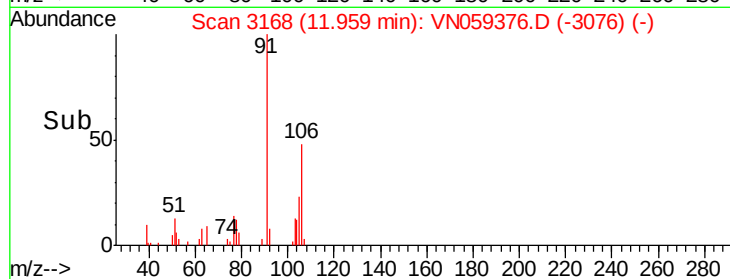
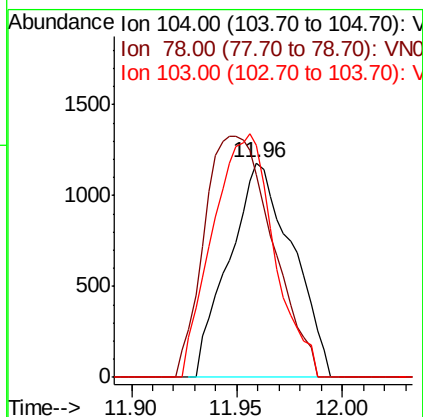
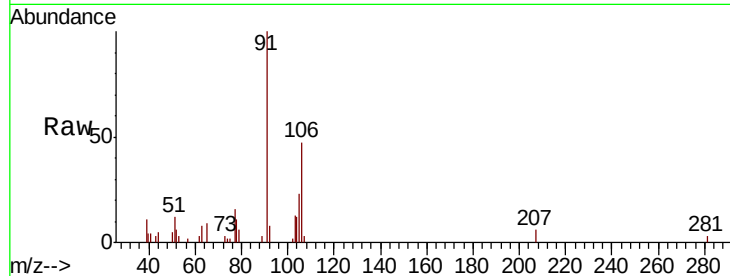




#70
Stvrene
Concen: 0.223 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VN059376.D
Acq: 22 Nov 2019 19:26

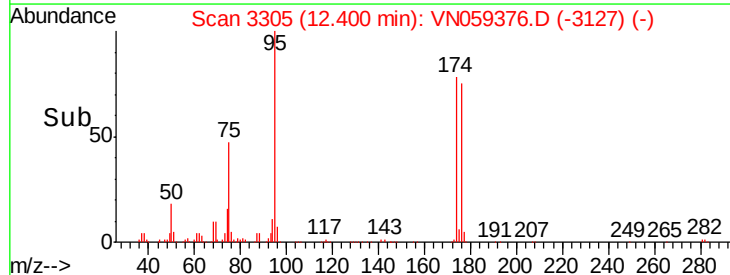
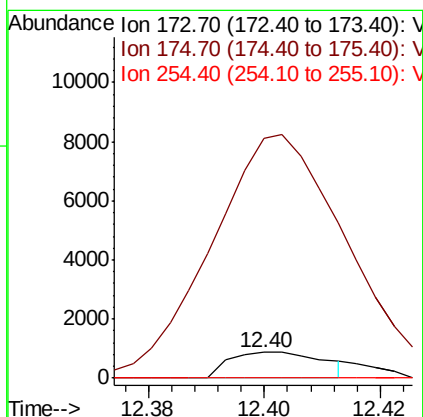
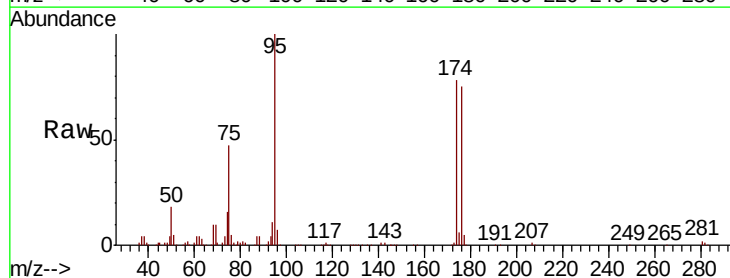
Instrument :
MSVOA_N
ClientSampleId :
SU-03-112019

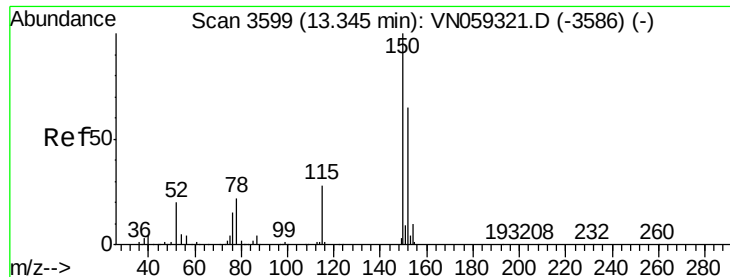
Tot Ion:104 Resp: 2457
Ion Ratio Lower Upper
104 100
78 121.3 40.3 60.5#
103 110.4 43.6 65.4#



#71
Bromoform
Concen: 0.323 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN059376.D
Acq: 22 Nov 2019 19:26

Tgt Ion:173 Resp: 974
Ion Ratio Lower Upper
173 100
175 1165.8 24.6 73.6#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN059376.D

Acq: 22 Nov 2019 19:26

Instrument :

MSVOA_N

ClientSampleId :

SU-03-112019

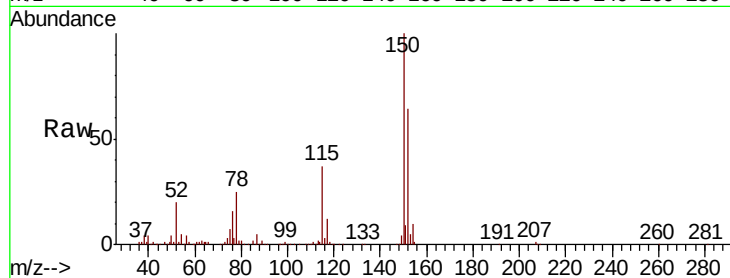
Tot Ion:152 Resp: 201901

Ion Ratio Lower Upper

152 100

115 58.7 29.3 88.0

150 156.5 0.0 346.0

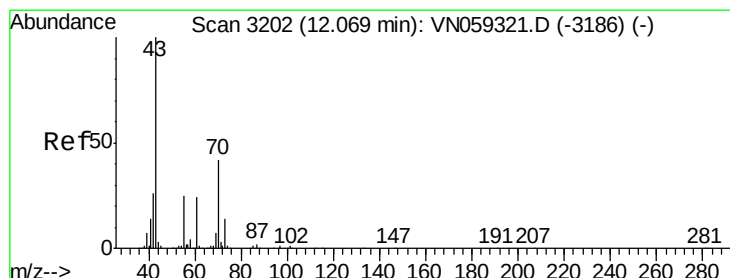
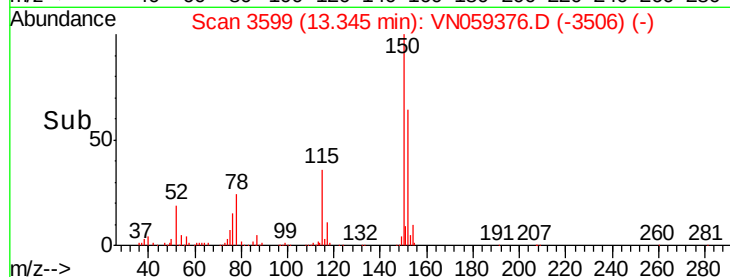
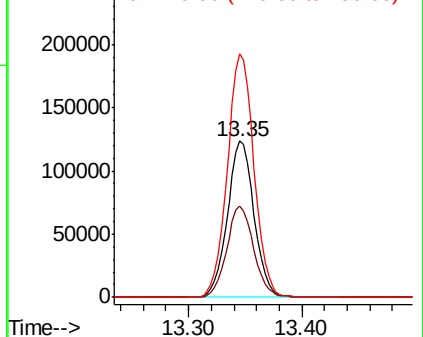


Abundance

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



#74

N-ethyl acetate

Concen: 0.518 ug/l

RT: 12.03 min Scan# 3190

Delta R.T. -0.04 min

Lab File: VN059376.D

Acq: 22 Nov 2019 19:26

Tgt Ion: 43 Resp: 3443

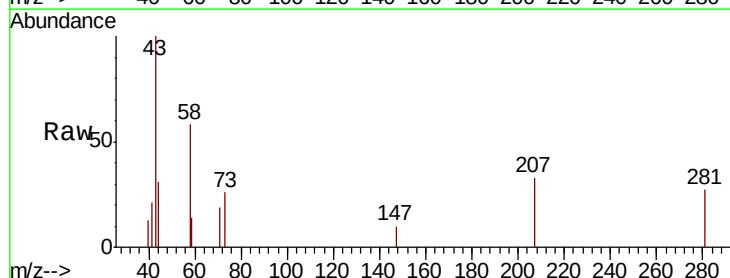
Ion Ratio Lower Upper

43 100

70 0.0 33.8 50.6#

55 0.0 20.3 30.5#

61 0.0 19.9 29.9#



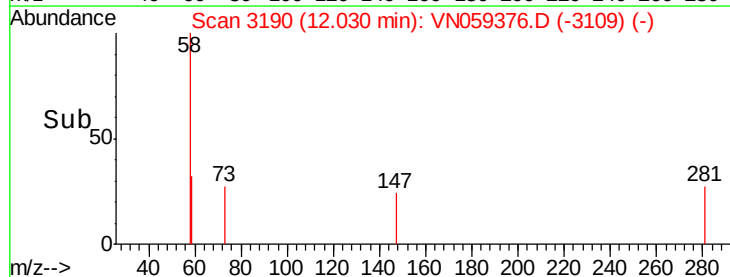
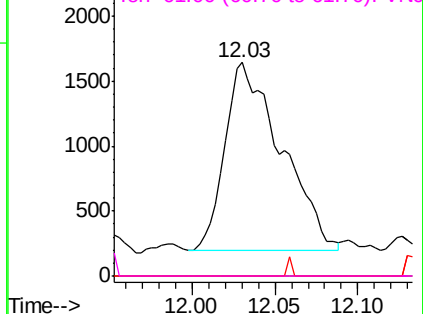
Abundance

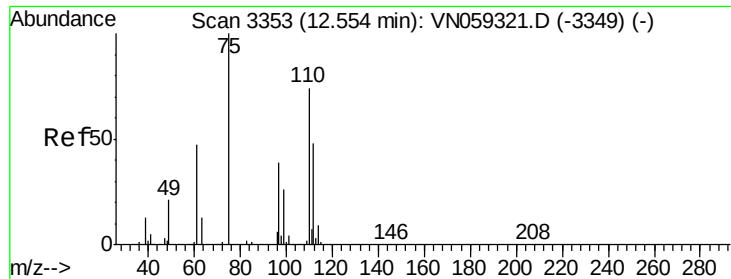
Ion 43.00 (42.70 to 43.70): VNO

Ion 70.00 (69.70 to 70.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

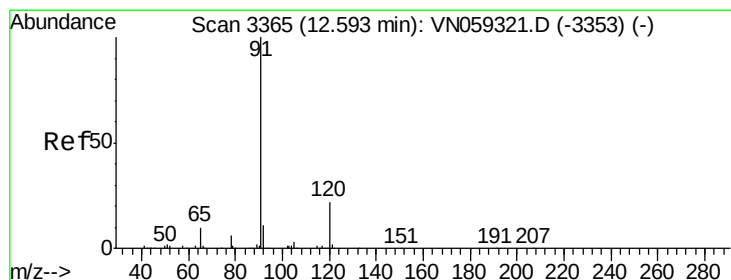
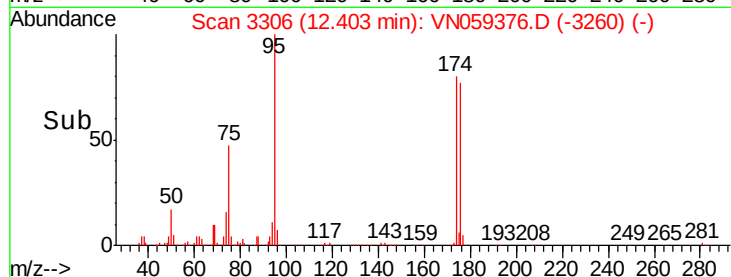
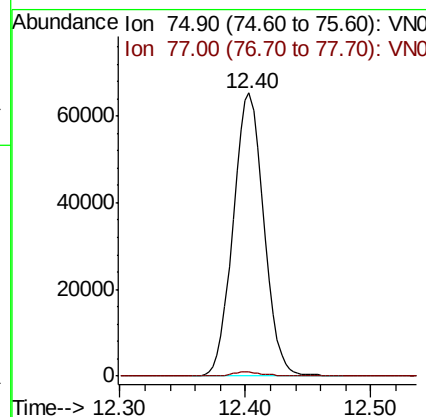
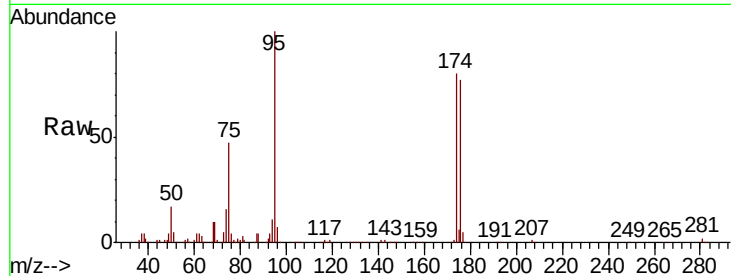




#76
 1,2,3-Trichloropropane
 Concen: 23.758 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. -0.15 min
 Lab File: VN059376.D
 Acq: 22 Nov 2019 19:26

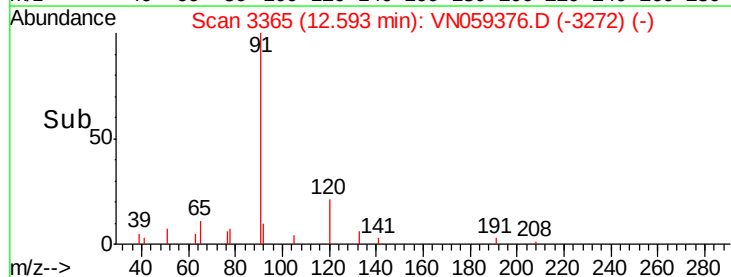
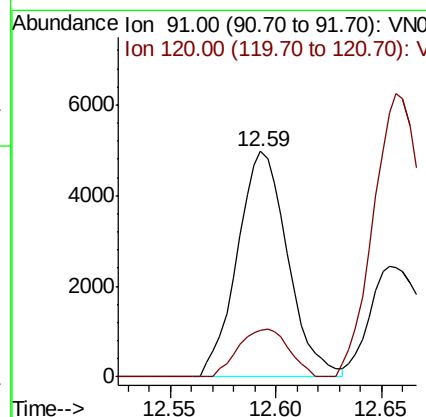
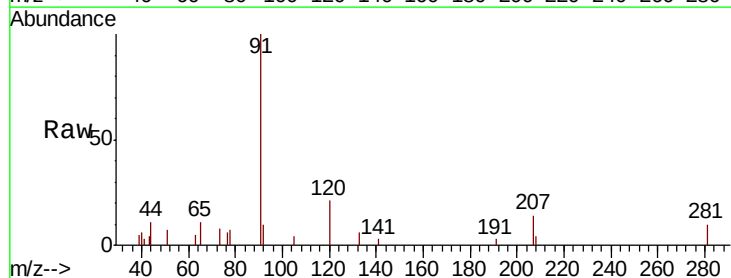
Instrument :
 MSVOA_N
 ClientSampleId :
 SU-03-112019

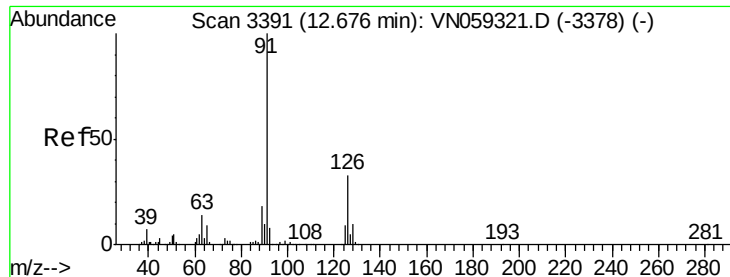
Tot Ion: 75 Resp: 110819
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



#78
 n-propylbenzene
 Concen: 0.441 ug/l
 RT: 12.59 min Scan# 3365
 Delta R.T. 0.00 min
 Lab File: VN059376.D
 Acq: 22 Nov 2019 19:26

Tgt Ion: 91 Resp: 8266
 Ion Ratio Lower Upper
 91 100
 120 21.4 11.3 33.9





#79

2-Chlorotoluene

Concen: 0.350 ug/l

RT: 12.65 min Scan# 3384

Delta R.T. -0.02 min

Lab File: VN059376.D

Acq: 22 Nov 2019 19:26

Instrument :

MSVOA_N

ClientSampleId :

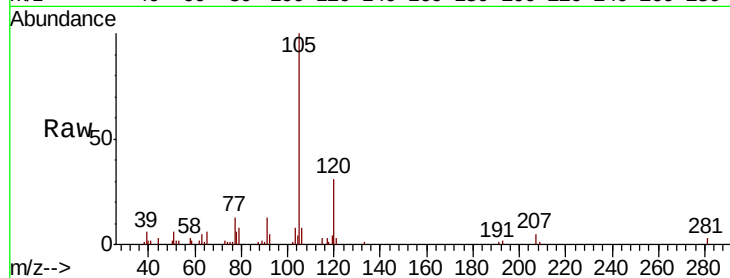
SU-03-112019

Tot Ion: 91 Resp: 4024

Ion Ratio Lower Upper

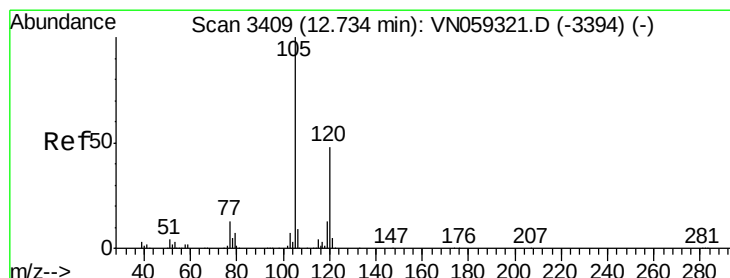
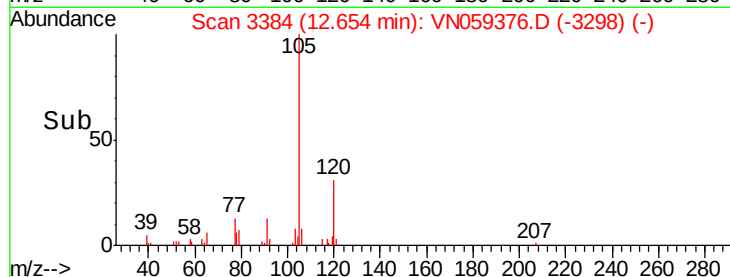
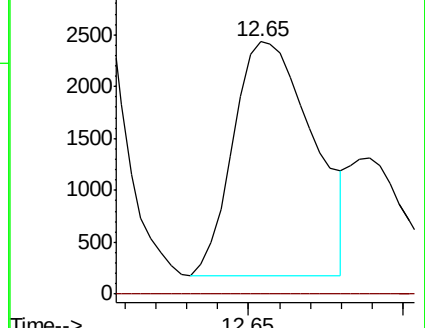
91 100

126 0.0 16.7 50.1#



Abundance Ion 91.00 (90.70 to 91.70): VN059376.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN059376.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 1.840 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN059376.D

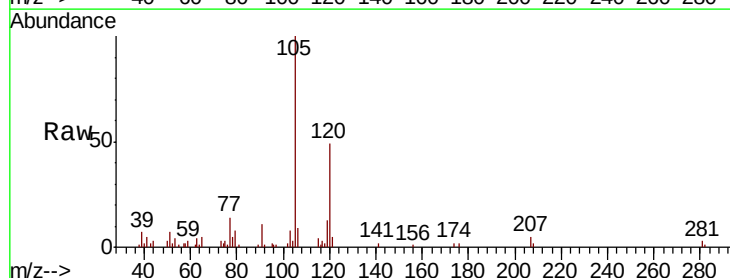
Acq: 22 Nov 2019 19:26

Tgt Ion: 105 Resp: 25585

Ion Ratio Lower Upper

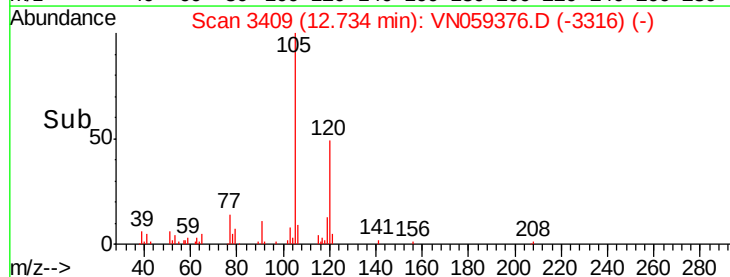
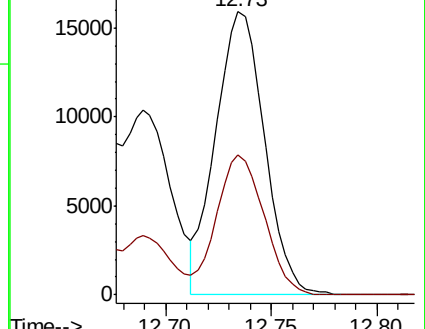
105 100

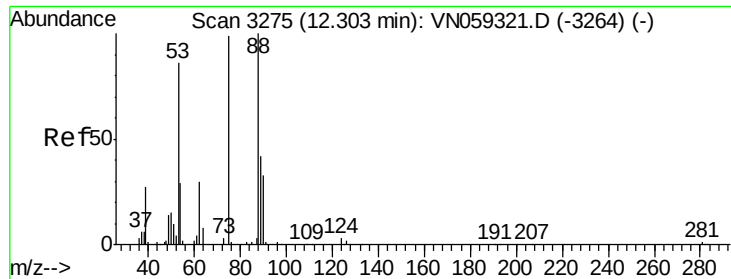
120 47.9 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN059376.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN059376.D (-3394) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 59.424 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN059376.D

Acq: 22 Nov 2019 19:26

Instrument :

MSVOA_N

ClientSampleId :

SU-03-112019

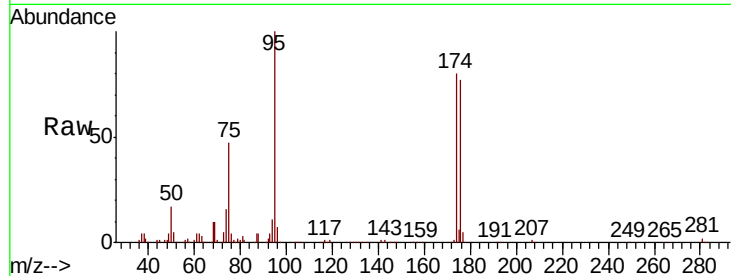
Tot Ion: 75 Resp: 110819

Ion Ratio Lower Upper

75 100

53 0.0 70.7 106.1#

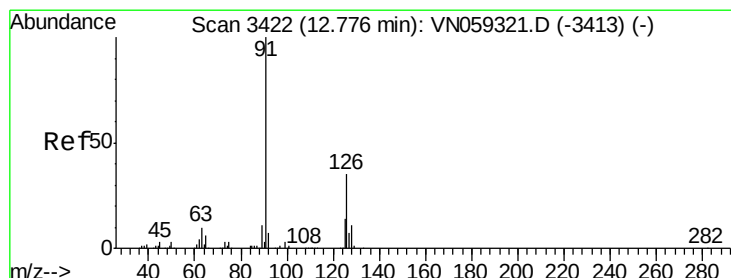
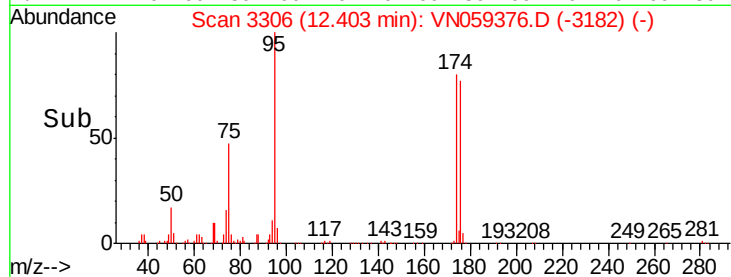
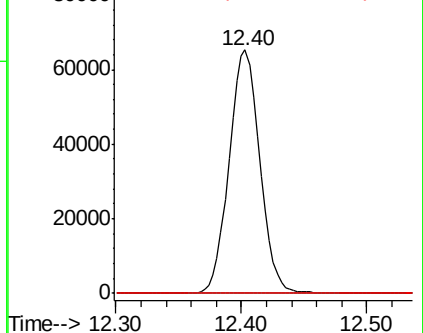
89 0.0 35.4 53.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 0.221 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.04 min

Lab File: VN059376.D

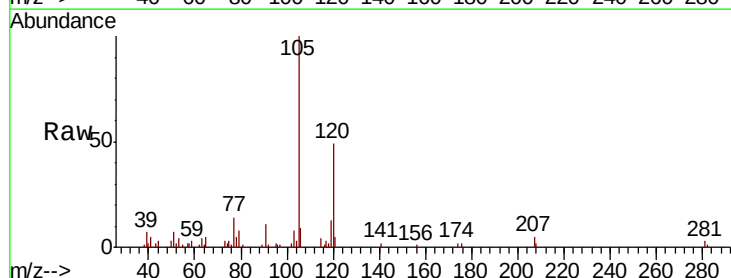
Acq: 22 Nov 2019 19:26

Tgt Ion: 91 Resp: 2635

Ion Ratio Lower Upper

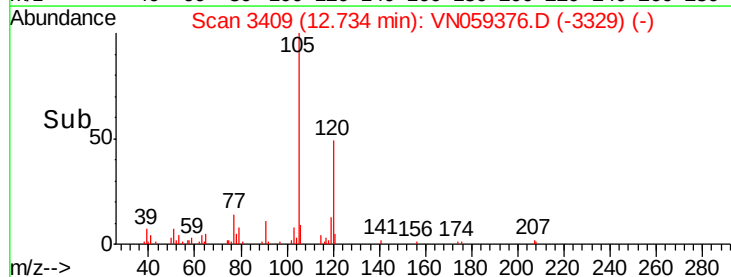
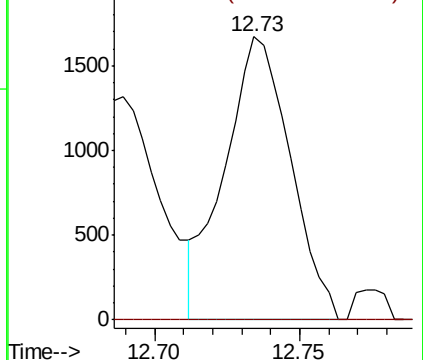
91 100

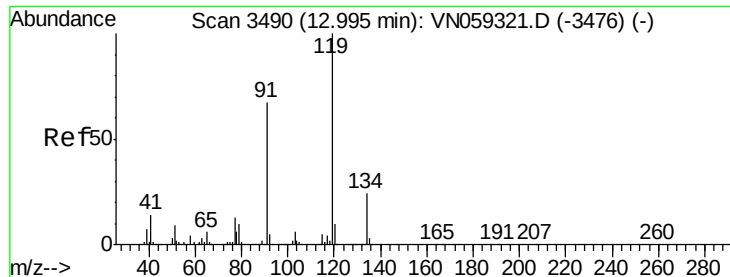
126 0.0 16.2 48.6#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 1.094 ug/l

RT: 13.04 min Scan# 3505

Delta R.T. 0.05 min

Lab File: VN059376.D

Acq: 22 Nov 2019 19:26

Instrument :

MSVOA_N

ClientSampleId :

SU-03-112019

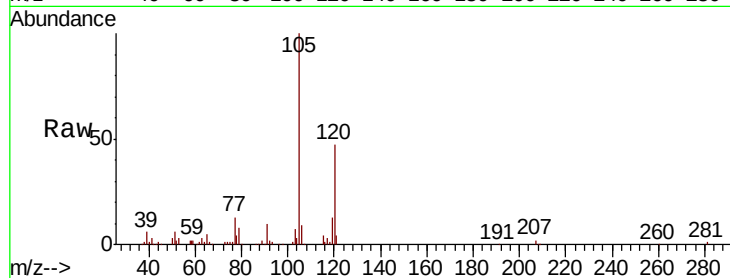
Tot Ion:119 Resp: 12845

Ion Ratio Lower Upper

119 100

91 82.9 32.8 98.4

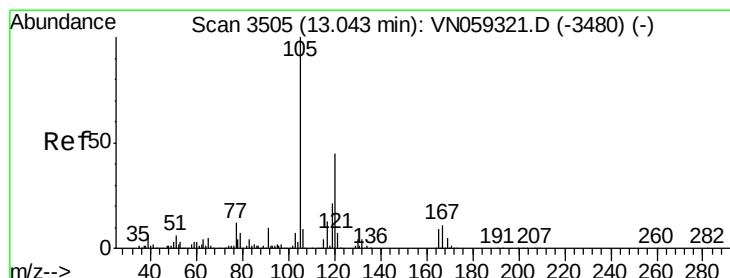
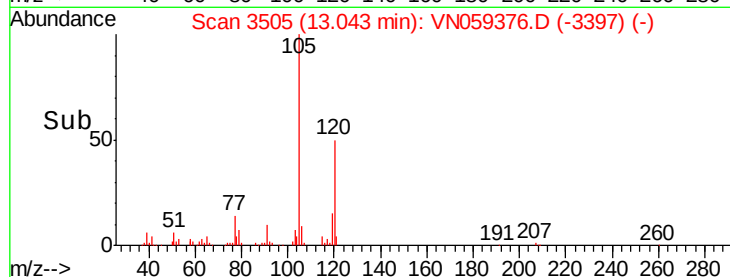
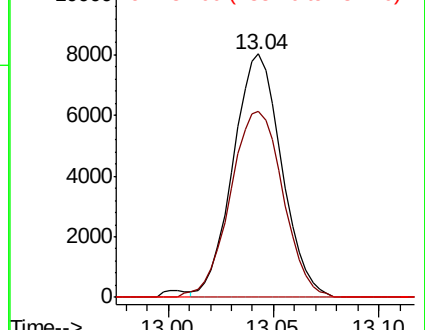
134 0.0 13.0 38.9#



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 7.395 ug/l

RT: 13.04 min Scan# 3505

Delta R.T. -0.00 min

Lab File: VN059376.D

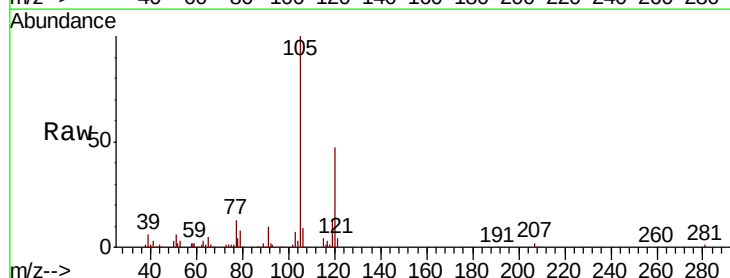
Acq: 22 Nov 2019 19:26

Tgt Ion:105 Resp: 100721

Ion Ratio Lower Upper

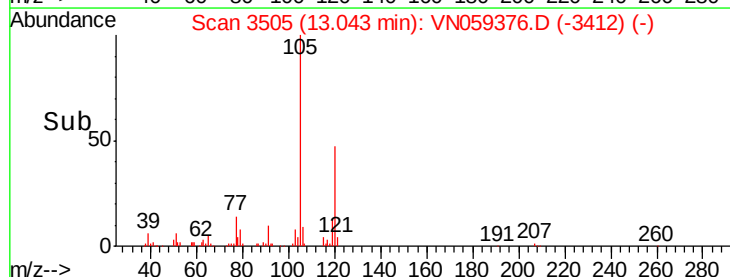
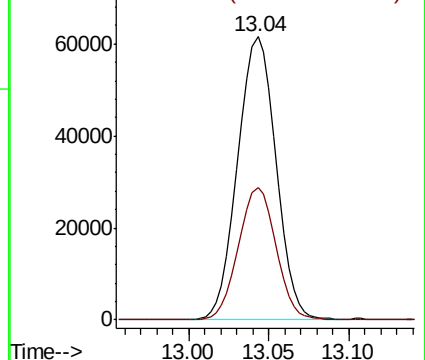
105 100

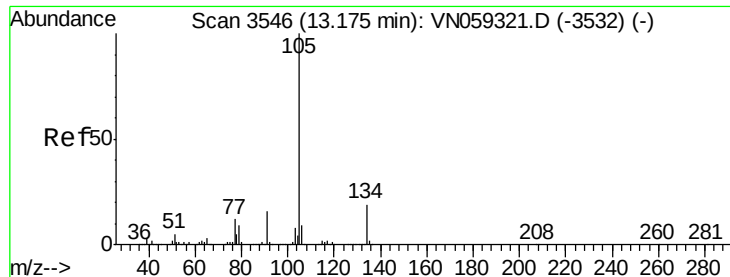
120 45.7 22.6 67.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 6.382 ug/l

RT: 13.04 min Scan# 3505

Delta R.T. -0.13 min

Lab File: VN059376.D

Acq: 22 Nov 2019 19:26

Instrument :

MSVOA_N

ClientSampleId :

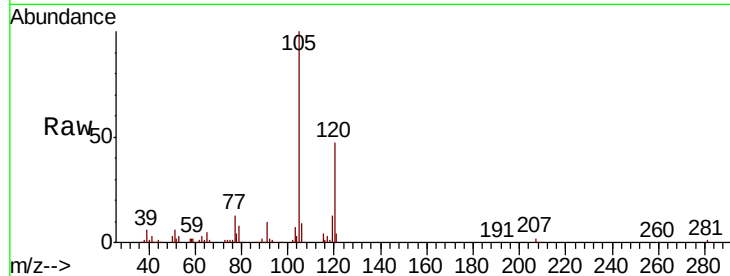
SU-03-112019

Tot Ion:105 Resp: 100721

Ion Ratio Lower Upper

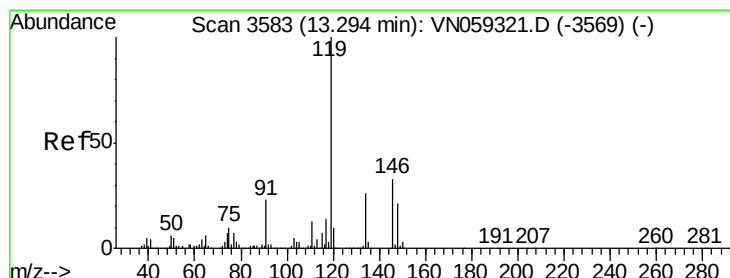
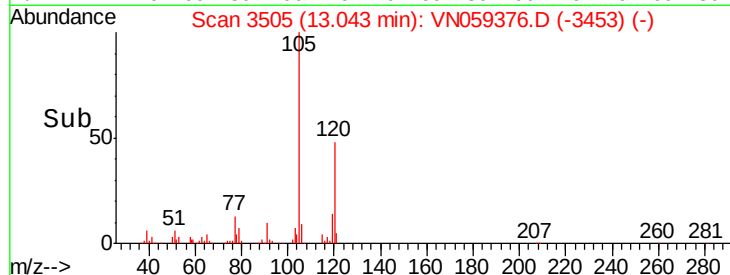
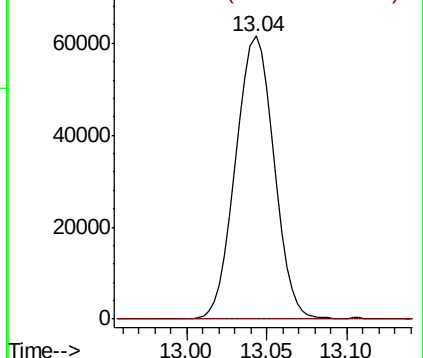
105 100

134 0.0 9.8 29.3#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 0.302 ug/l

RT: 13.23 min Scan# 3564

Delta R.T. -0.06 min

Lab File: VN059376.D

Acq: 22 Nov 2019 19:26

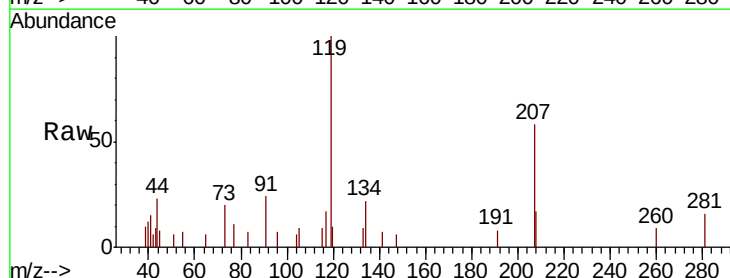
Tgt Ion:119 Resp: 4241

Ion Ratio Lower Upper

119 100

134 22.0 13.0 38.9

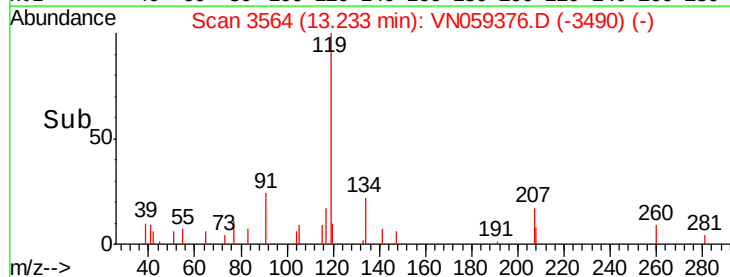
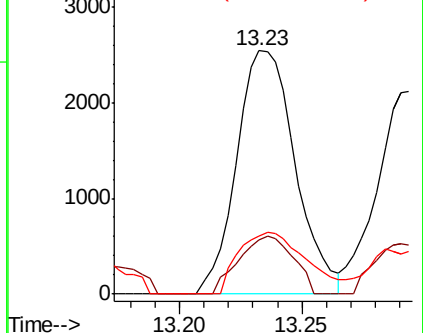
91 29.0 11.6 34.7

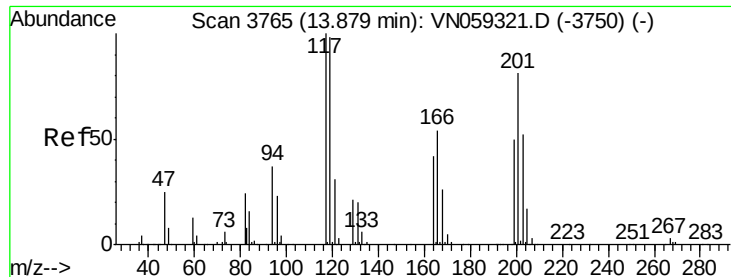


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#90

Hexachloroethane

Concen: 0.702 ug/l

RT: 13.89 min Scan# 3770

Delta R.T. 0.02 min

Lab File: VN059376.D

Acq: 22 Nov 2019 19:26

Instrument :

MSVOA_N

ClientSampled :

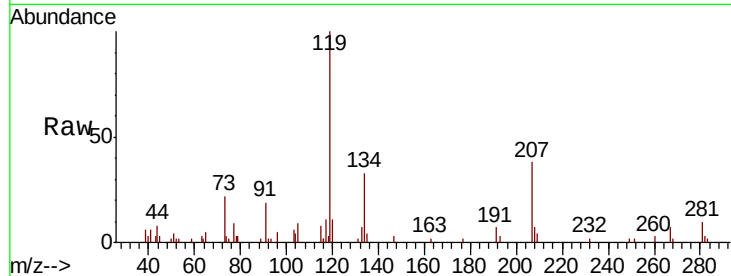
SU-03-112019

Tot Ion:117 Resp: 1868

Ion Ratio Lower Upper

117 100

201 0.0 40.4 121.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

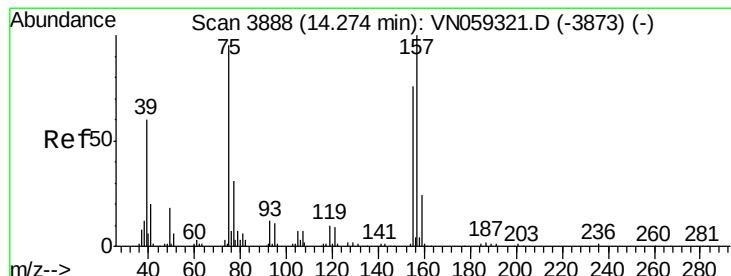
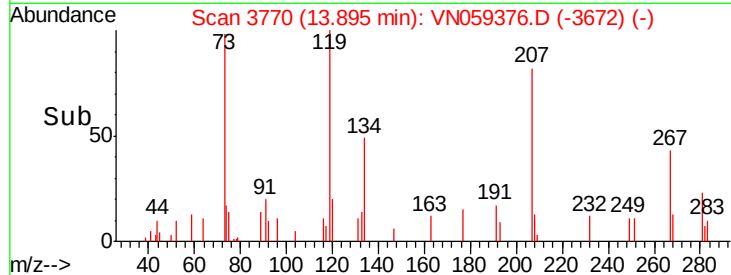
13.89

1000

500

0

Time-->



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.278 ug/l

RT: 14.25 min Scan# 3880

Delta R.T. -0.03 min

Lab File: VN059376.D

Acq: 22 Nov 2019 19:26

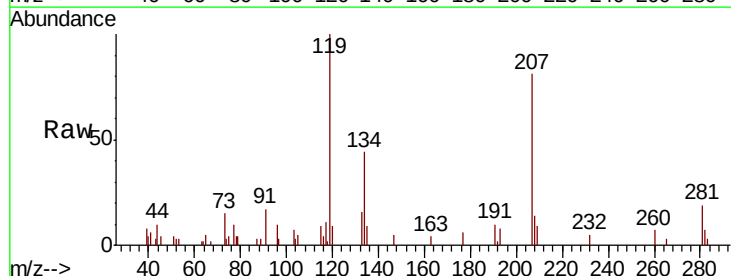
Tgt Ion: 75 Resp: 323

Ion Ratio Lower Upper

75 100

155 0.0 40.5 121.5#

157 0.0 52.7 158.1#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

400

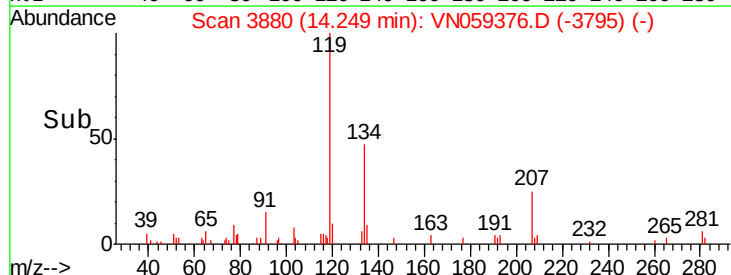
300

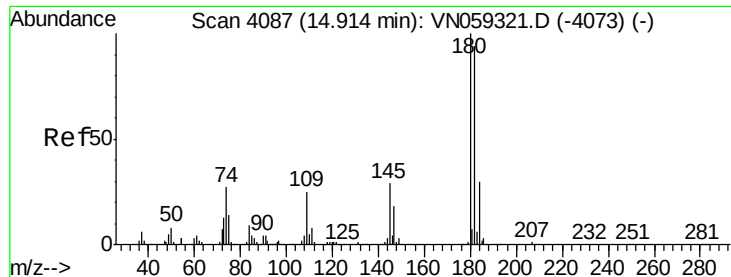
200

100

0

Time-->





#93

1,2,4-Trichlorobenzene

Concen: 2.992 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. -0.00 min

Lab File: VN059376.D

Acq: 22 Nov 2019 19:26

Instrument :

MSVOA_N

ClientSampled :

SU-03-112019

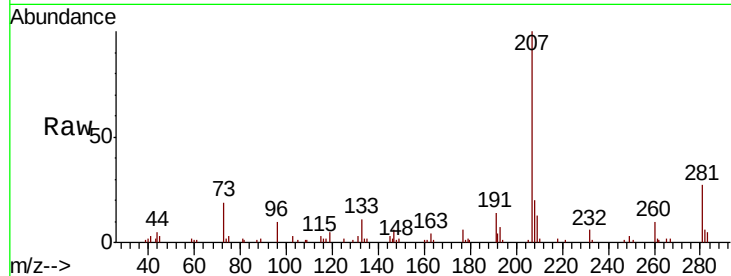
Tot Ion:180 Resp: 246

Ion Ratio Lower Upper

180 100

182 24.4 47.2 141.6#

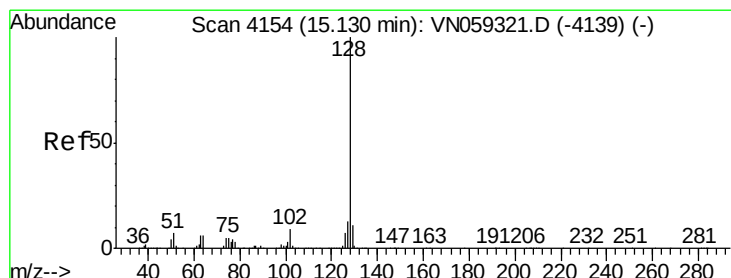
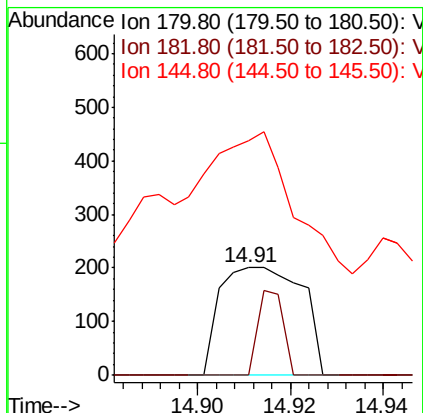
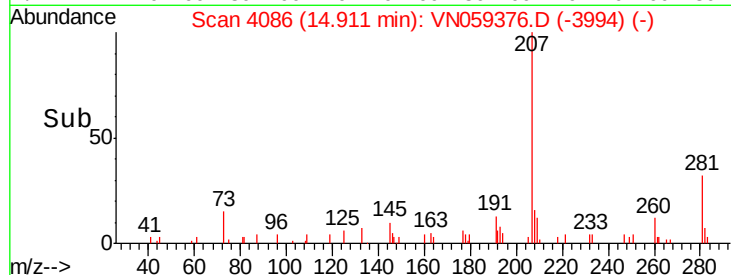
145 466.3 14.9 44.5#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#95

Naphthalene

Concen: 13.128 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059376.D

Acq: 22 Nov 2019 19:26

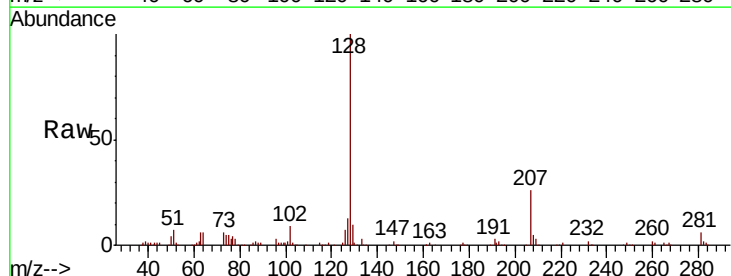
Tgt Ion:128 Resp: 126584

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.2

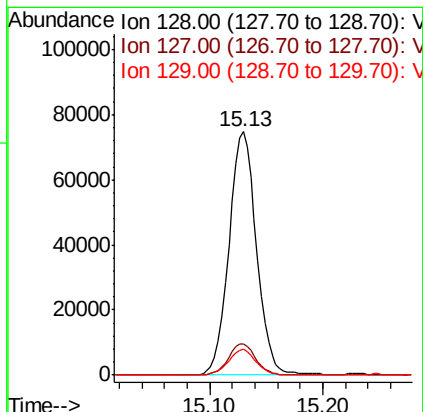
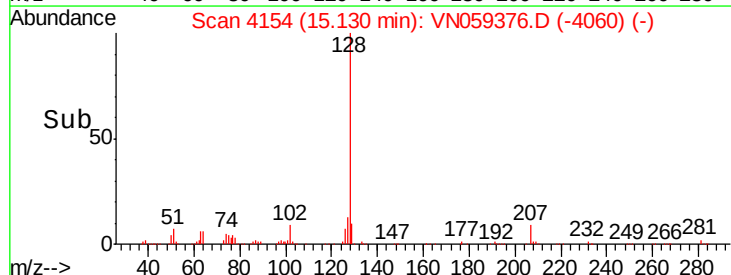
129 10.5 8.6 13.0

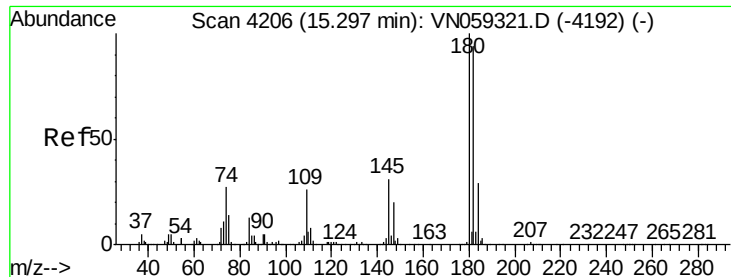


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 1.925 ug/l
 RT: 15.30 min Scan# 4207
 Delta R.T. 0.00 min
 Lab File: VN059376.D
 Acq: 22 Nov 2019 19:26

Instrument :
 MSVOA_N
 ClientSampleId :
 SU-03-112019

Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	47.1	141.4#
145	771.6	15.6	46.8#

