

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050219\
 Data File : VN055349.D
 Acq On : 2 May 2019 14:39
 Operator : JC/SP
 Sample : K2658-15
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-PZ-E1-6

Quant Time: May 03 01:53:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:16:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	341931	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	610156	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	572128	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	243052	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	241724	54.04	ug/l	0.00
Spiked Amount			Recovery	=	108.08%	
35) Dibromofluoromethane	7.59	113	194842	48.65	ug/l	0.00
Spiked Amount			Recovery	=	97.30%	
50) Toluene-d8	10.09	98	746682	51.63	ug/l	0.00
Spiked Amount			Recovery	=	103.26%	
62) 4-Bromofluorobenzene	12.40	95	273934	60.61	ug/l	0.00
Spiked Amount			Recovery	=	121.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	9016	1.738	ug/l	98
11) Tert butyl alcohol	4.78	59	5972	23.319	ug/l #	87
16) Acetone	3.82	43	36920	26.489	ug/l	92
17) Carbon Disulfide	4.06	76	2944	0.334	ug/l #	74
18) Methyl Acetate	4.34	43	1932	Below Cal	#	84
25) 2-Butanone	6.84	43	43897	24.627	ug/l	100
31) Cyclohexane	7.67	56	8078	1.148	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	27190	4.652	ug/l #	49
37) Ethyl Acetate	6.84	43	43897	9.800	ug/l #	71
38) Carbon Tetrachloride	7.67	117	33064	5.865	ug/l #	16
40) Benzene	8.04	78	17327	1.006	ug/l	98
41) Methacrylonitrile	7.19	41	94	0.778	ug/l #	51
51) 4-Methyl-2-Pentanone	9.99	43	1395	0.344	ug/l	94
55) 1,1,2-Trichloroethane	10.53	97	15078	4.108	ug/l #	19
56) Ethyl methacrylate	10.43	69	7336	1.624	ug/l #	1
59) 2-Hexanone	10.72	43	40959	16.153	ug/l #	31
60) Dibromochloromethane	10.63	129	2579	0.687	ug/l #	11
64) Tetrachloroethene	10.63	164	3079	0.658	ug/l	86
65) Chlorobenzene	11.53	112	2581	0.231	ug/l #	43
67) Ethyl Benzene	11.51	91	37805	1.872	ug/l	96
68) m/p-Xylenes	11.62	106	59720	8.283	ug/l	99
69) o-Xylene	11.95	106	12568	1.759	ug/l	81
73) Isopropylbenzene	12.25	105	3161282	171.122	ug/l	100
74) N-amyl acetate	12.04	43	236895	37.978	ug/l #	61
75) 1,1,2,2-Tetrachloroethane	12.47	83	20154	1.073	ug/l #	25
76) 1,2,3-Trichloropropane	12.59	75	6726	Below Cal	#	100
77) Bromobenzene	12.50	156	181	Below Cal	#	1
78) n-propylbenzene	12.59	91	954611	38.236	ug/l	99
79) 2-Chlorotoluene	12.69	91	89571	4.370	ug/l #	42
80) 1,3,5-Trimethylbenzene	12.69	105	808069	42.408	ug/l	72
81) trans-1,4-Dichloro-2-buten	12.25	75	39258	30.609	ug/l #	71
82) 4-Chlorotoluene	12.69	91	89571	6.170	ug/l #	42
83) tert-Butylbenzene	12.99	119	329838	22.877	ug/l	97
84) 1,2,4-Trimethylbenzene	13.03	105	15416484	904.652	ug/l	96

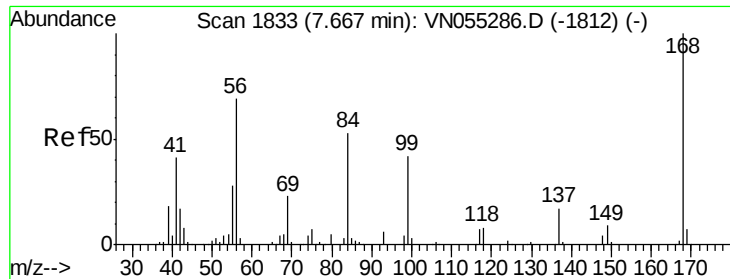
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050219\
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 30 07:16:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
85) sec-Butylbenzene	13.17	105	1362139	65.771	ug/l #	77
86) p-Isopropyltoluene	13.29	119	657191	38.608	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	3573	0.466	ug/l #	1
89) n-Butylbenzene	13.61	91	429108	35.476	ug/l #	71
90) Hexachloroethane	13.89	117	251763	94.823	ug/l #	7
91) 1,2-Dichlorobenzene	13.66	146	1837	0.228	ug/l #	1
92) 1,2-Dibromo-3-Chloropropan	14.25	75	10501	16.422	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.91	180	62	3.329	ug/l #	1
95) Naphthalene	15.13	128	148583	23.858	ug/l	99
96) 1,2,3-Trichlorobenzene	15.33	180	198	2.673	ug/l #	12

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055349.D

Acq: 2 May 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

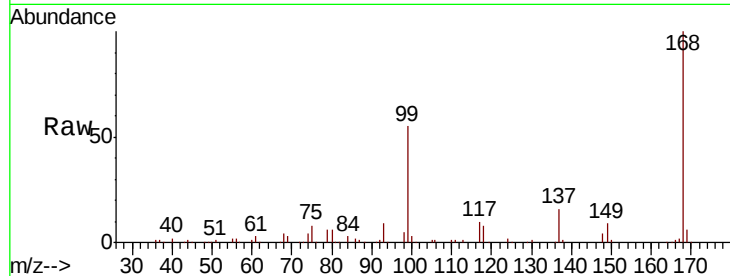
EP1-PZ-E1-6

Tot Ion:168 Resp: 341931

Ion Ratio Lower Upper

168 100

99 55.5 43.6 65.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

150000

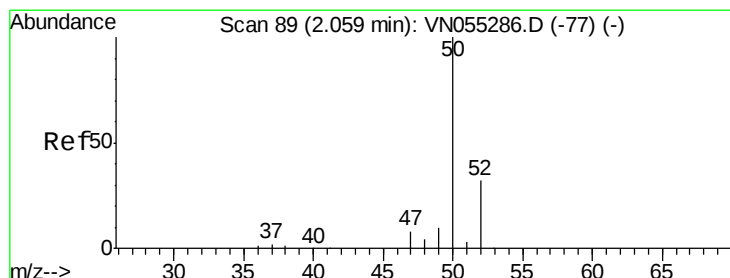
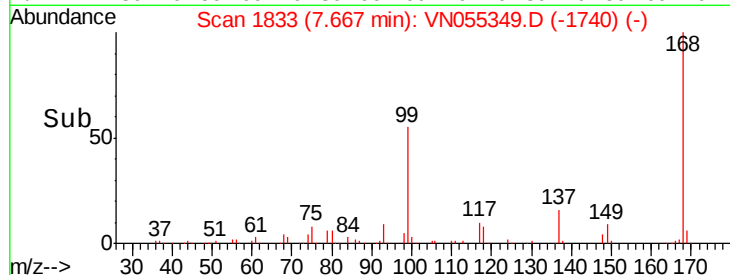
100000

50000

0

Time-->

7.60 7.70 7.80



#3

Chloromethane

Concen: 1.738 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055349.D

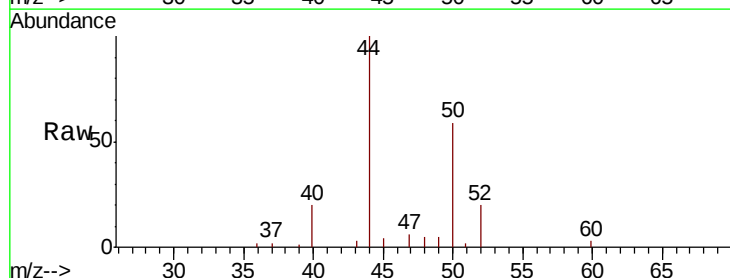
Acq: 2 May 2019 14:39

Tgt Ion: 50 Resp: 9016

Ion Ratio Lower Upper

50 100

52 33.5 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.06

6000

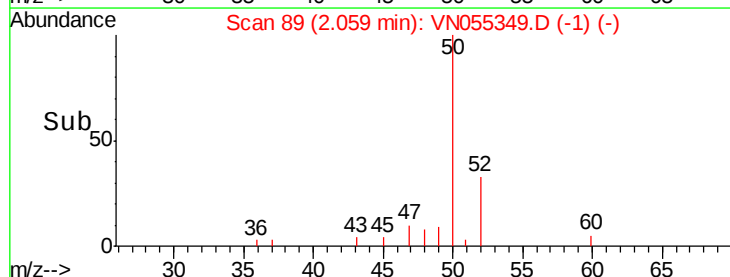
4000

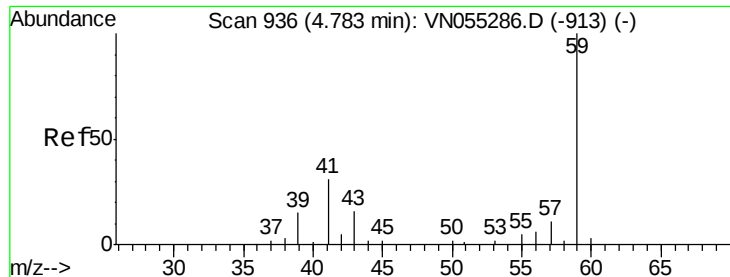
2000

0

Time-->

2.00 2.05 2.10

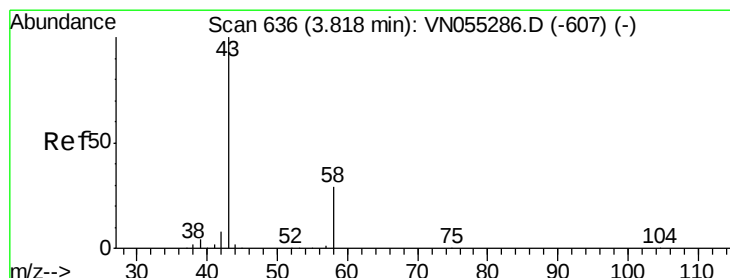
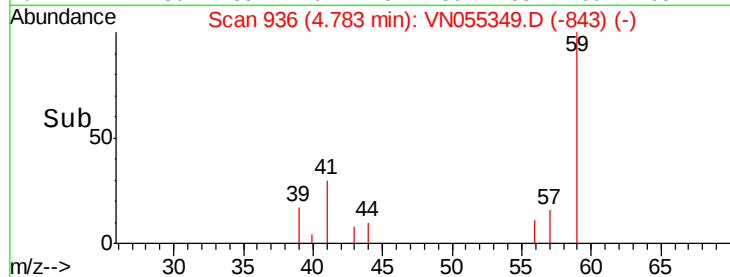
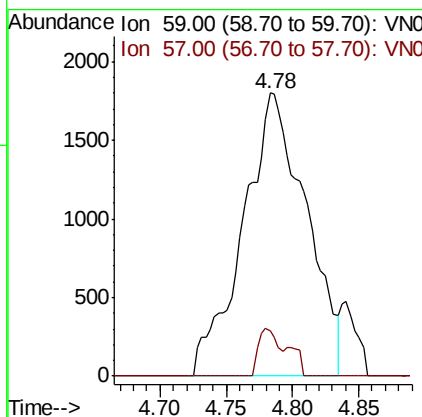
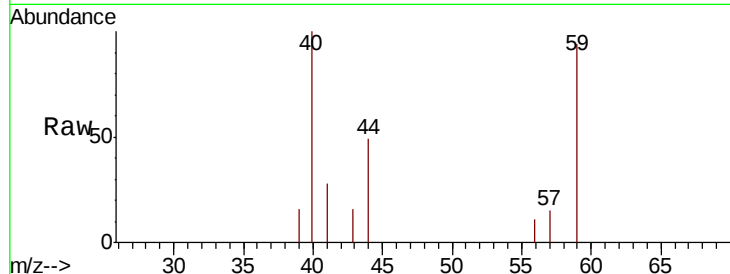




#11
Tert butyl alcohol
Concen: 23.319 ug/l
RT: 4.78 min Scan# 936
Delta R.T. 0.00 min
Lab File: VN055349.D
Acq: 2 May 2019 14:39

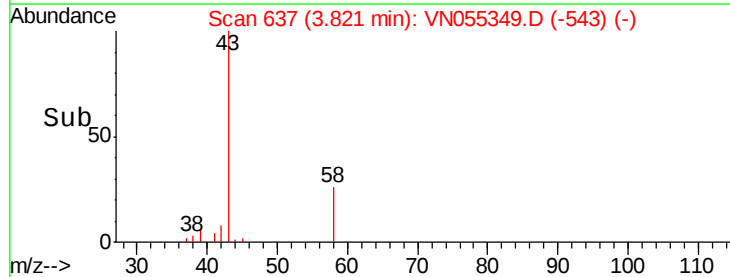
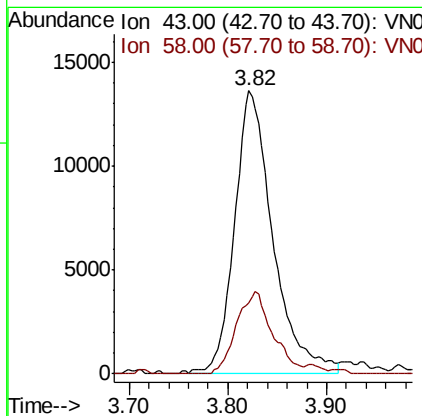
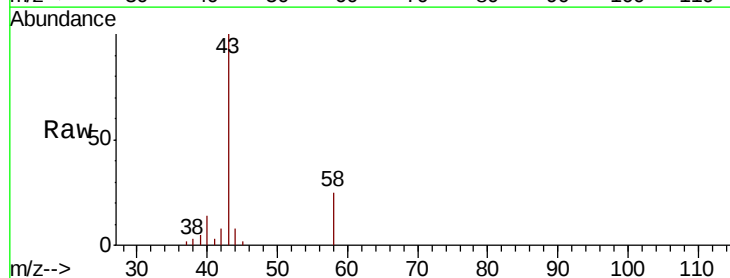
Instrument :
MSVOA_N
ClientSampled :
EP1-PZ-E1-6

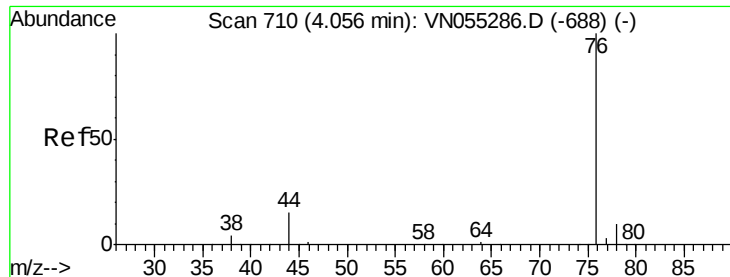
Tot Ion: 59 Resp: 5972
Ion Ratio Lower Upper
59 100
57 5.3 8.2 12.2#



#16
Acetone
Concen: 26.489 ug/l
RT: 3.82 min Scan# 637
Delta R.T. 0.00 min
Lab File: VN055349.D
Acq: 2 May 2019 14:39

Tgt Ion: 43 Resp: 36920
Ion Ratio Lower Upper
43 100
58 25.3 23.6 35.4





#17

Carbon Disulfide

Concen: 0.334 ug/l

RT: 4.06 min Scan# 712

Delta R.T. 0.01 min

Lab File: VN055349.D

Acq: 2 May 2019 14:39

Instrument :

MSVOA_N

ClientSampled :

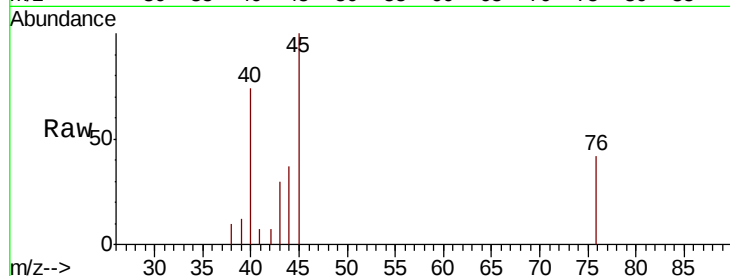
EP1-PZ-E1-6

Tot Ion: 76 Resp: 2944

Ion Ratio Lower Upper

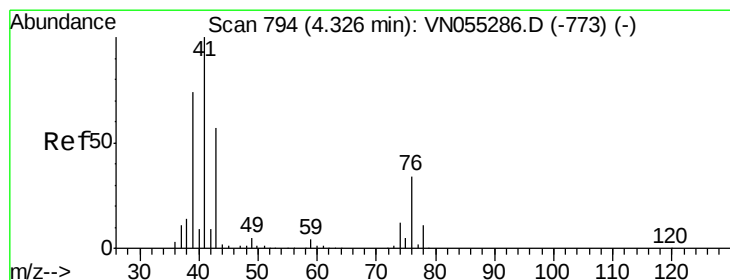
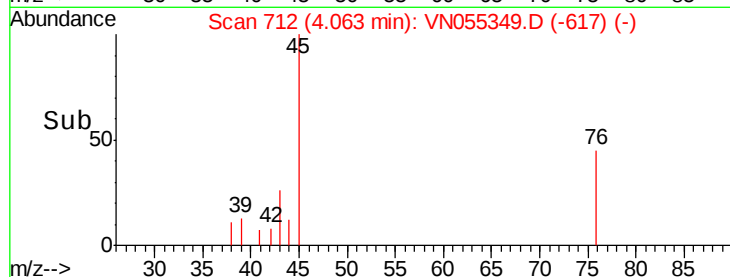
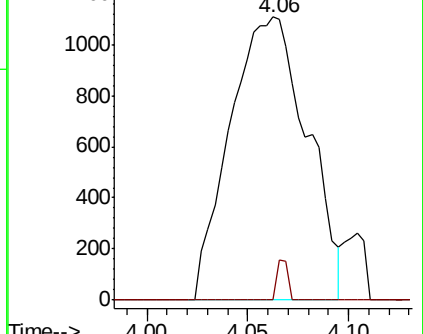
76 100

78 0.0 7.6 11.4#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: Below Cal

RT: 4.34 min Scan# 798

Delta R.T. 0.01 min

Lab File: VN055349.D

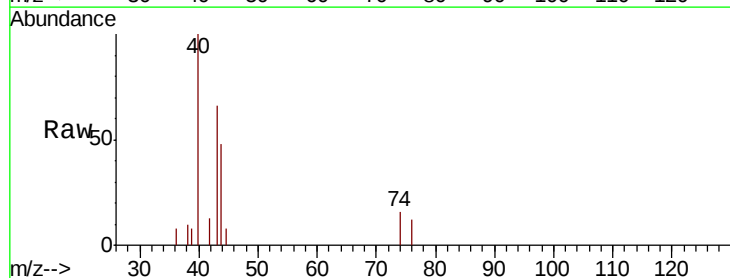
Acq: 2 May 2019 14:39

Tgt Ion: 43 Resp: 1932

Ion Ratio Lower Upper

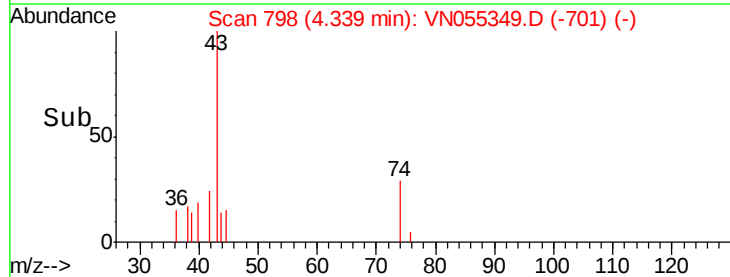
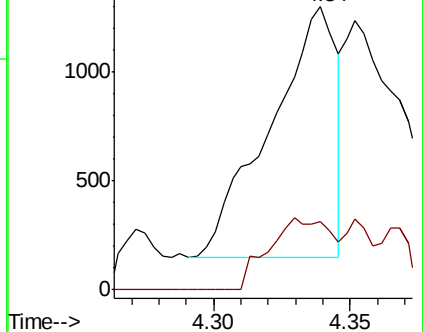
43 100

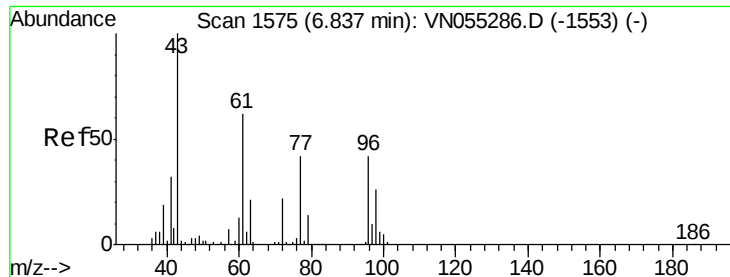
74 27.3 15.8 23.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





#25

2-Butanone

Concen: 24.627 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. 0.01 min

Lab File: VN055349.D

Acq: 2 May 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

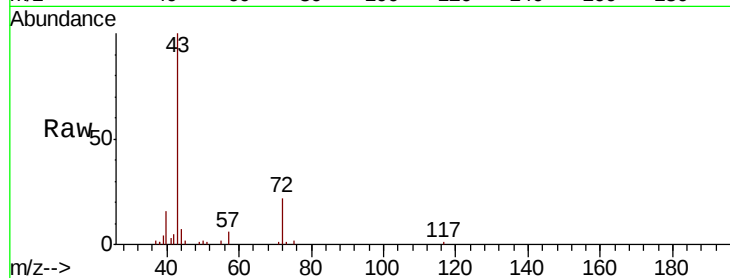
EP1-PZ-E1-6

Tot Ion: 43 Resp: 43897

Ion Ratio Lower Upper

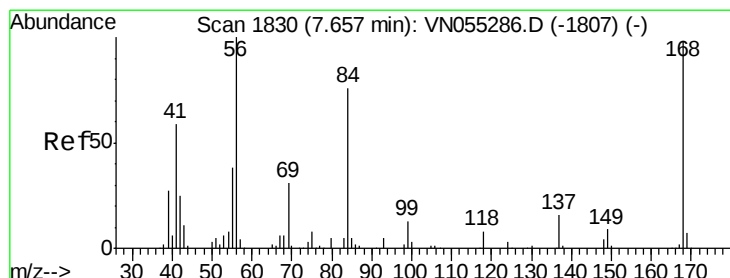
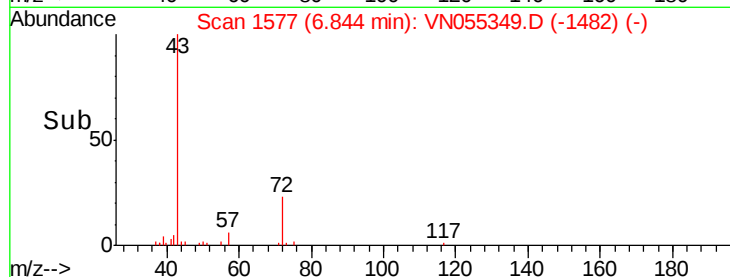
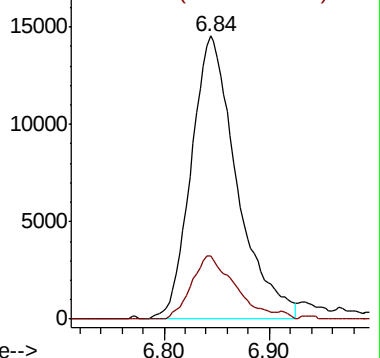
43 100

72 22.4 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#31

Cyclohexane

Concen: 1.148 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.01 min

Lab File: VN055349.D

Acq: 2 May 2019 14:39

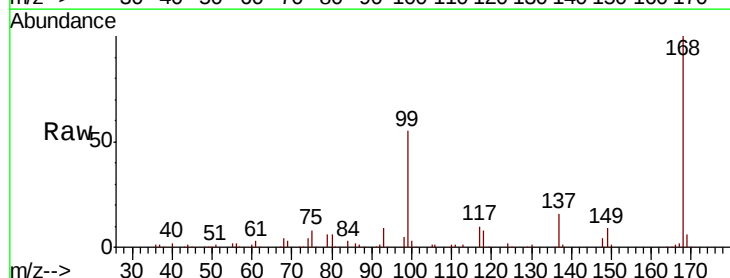
Tgt Ion: 56 Resp: 8078

Ion Ratio Lower Upper

56 100

69 148.8 25.2 37.8#

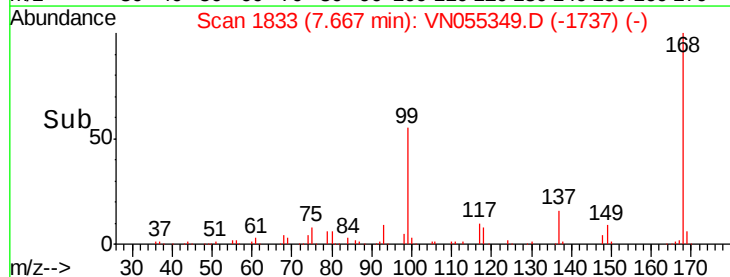
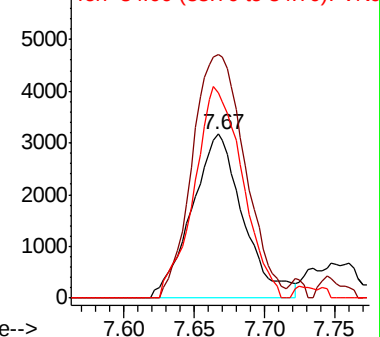
84 125.5 61.1 91.7#

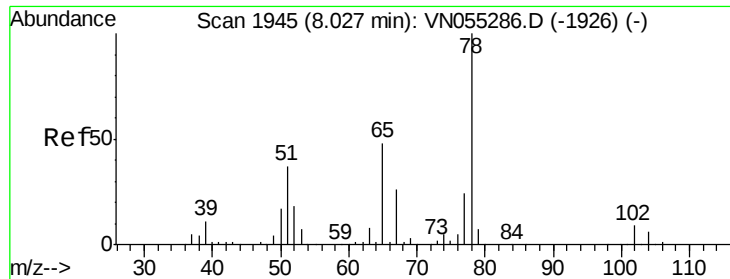


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

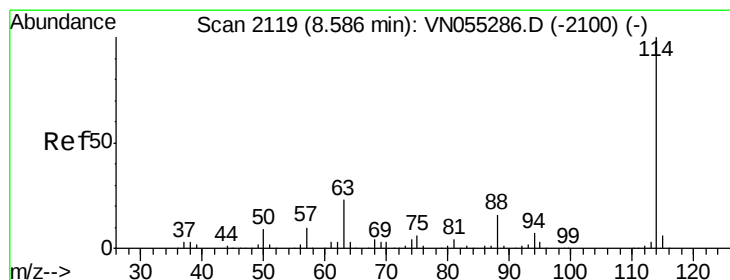
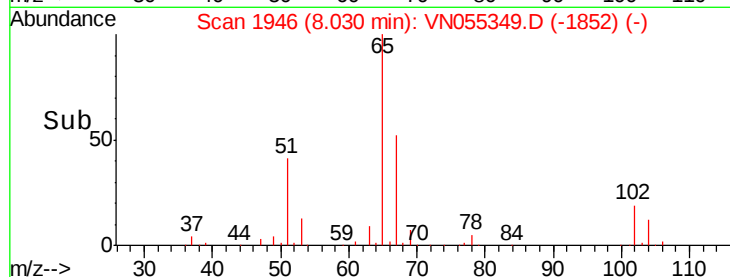
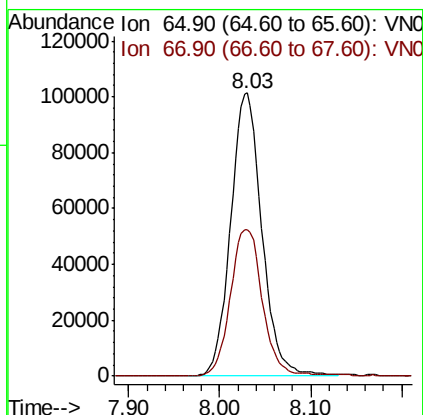
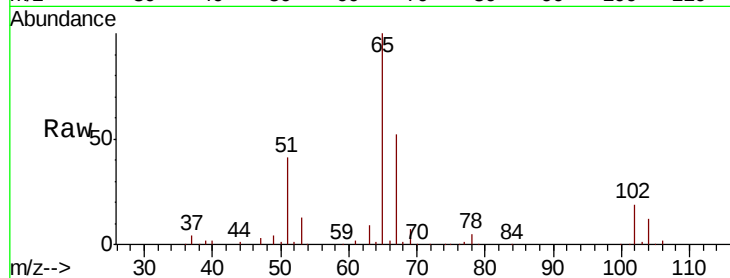




#33
 1,2-Dichloroethane-d4
 Concen: 54.038 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN055349.D
 Acq: 2 May 2019 14:39

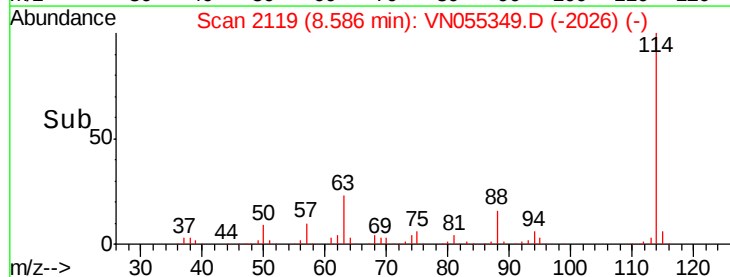
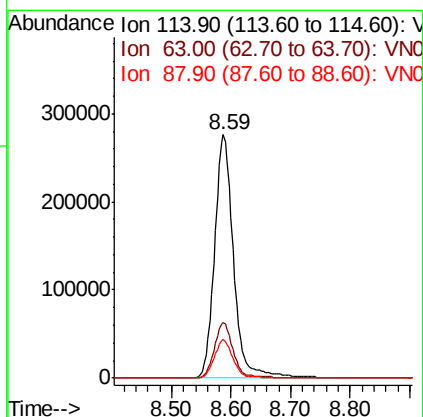
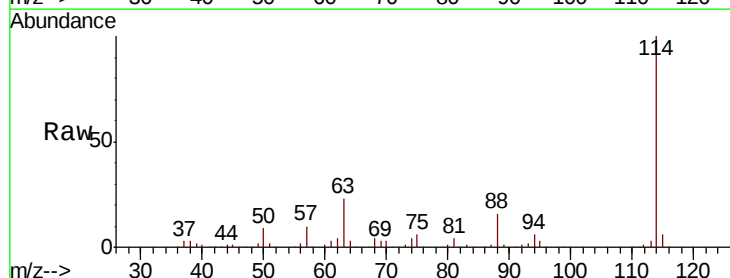
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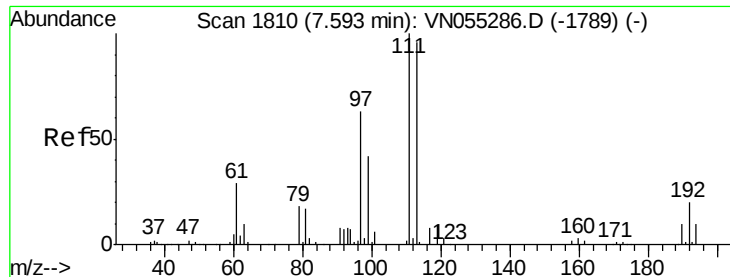
Tot Ion: 65 Resp: 241724
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055349.D
 Acq: 2 May 2019 14:39

Tgt Ion: 114 Resp: 610156
 Ion Ratio Lower Upper
 114 100
 63 23.0 0.0 45.2
 88 15.8 0.0 31.6





#35

Dibromofluoromethane

Concen: 48.651 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN055349.D

Acq: 2 May 2019 14:39

Instrument :
MSVOA_N
ClientSampleId :
EP1-PZ-E1-6

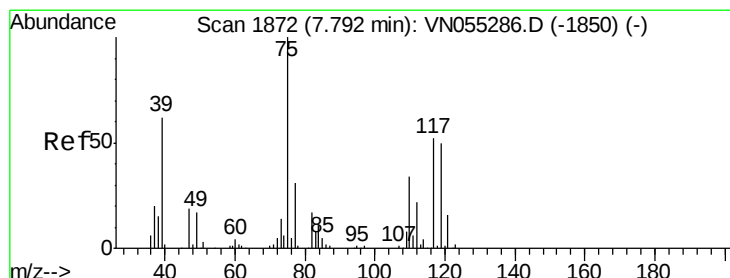
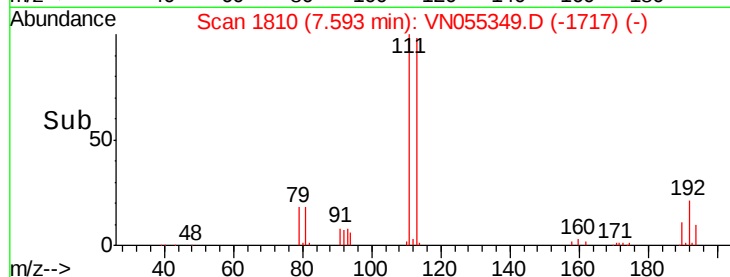
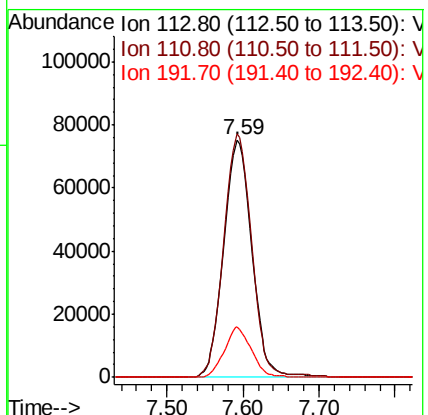
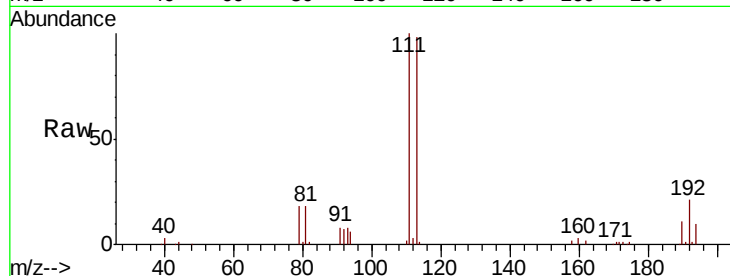
Tot Ion:113 Resp: 194842

Ion Ratio Lower Upper

113 100

111 101.0 82.3 123.5

192 20.1 17.0 25.6



#36

1,1-Dichloropropene

Concen: 4.652 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN055349.D

Acq: 2 May 2019 14:39

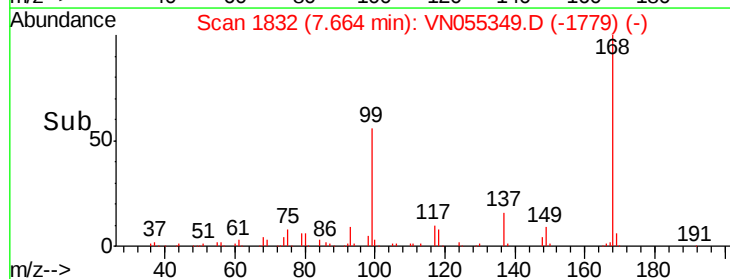
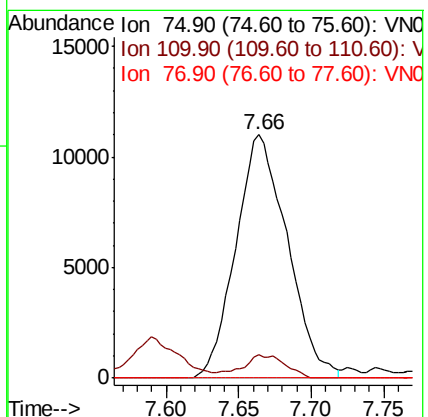
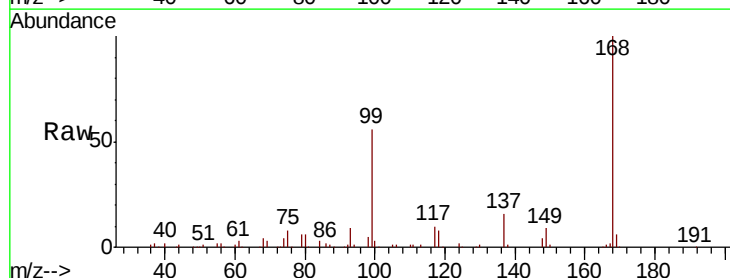
Tgt Ion: 75 Resp: 27190

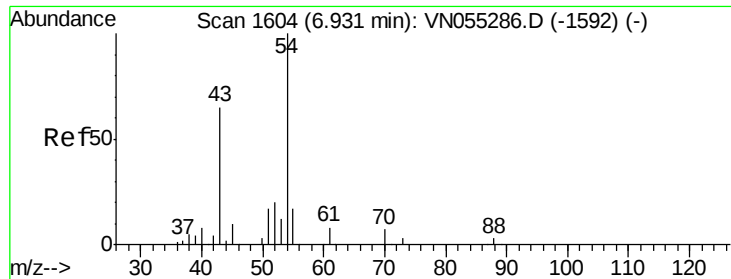
Ion Ratio Lower Upper

75 100

110 7.6 16.8 50.4#

77 0.0 25.0 37.6#

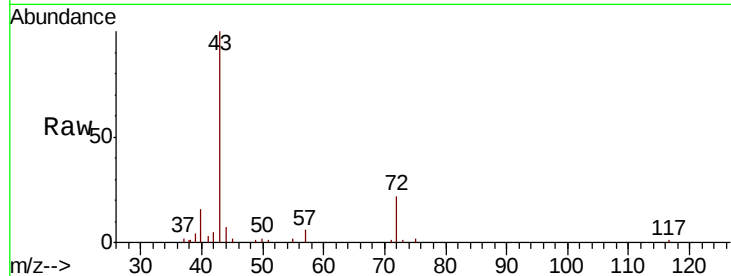




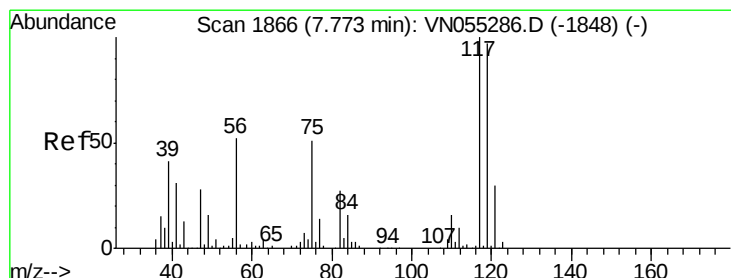
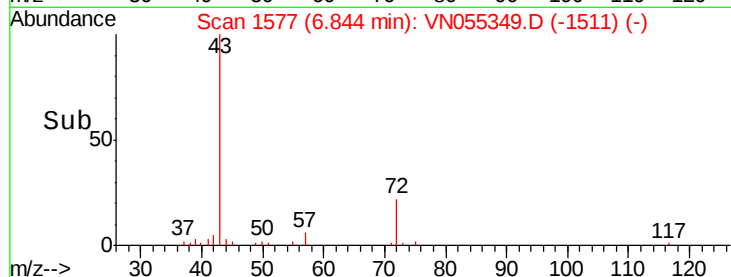
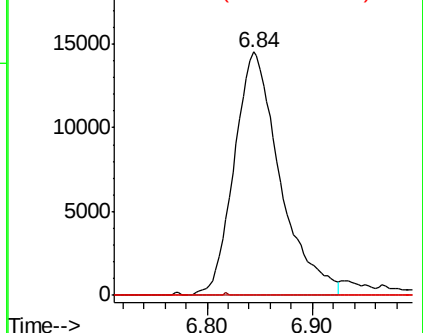
#37
Ethyl Acetate
Concen: 9.800 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. -0.09 min
Lab File: VN055349.D
Acq: 2 May 2019 14:39

Instrument :
MSVOA_N
ClientSampleId :
EP1-PZ-E1-6

Tot Ion: 43 Resp: 43897
Ion Ratio Lower Upper
43 100
61 0.0 10.4 15.6#
70 0.0 6.6 10.0#

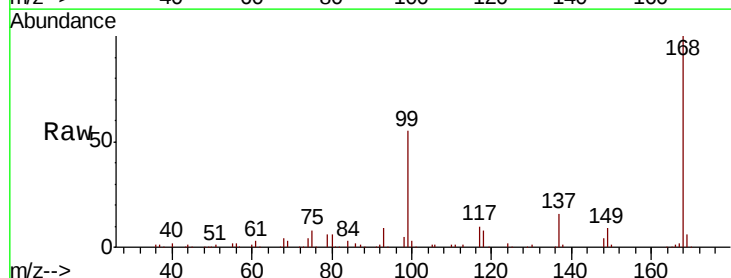


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

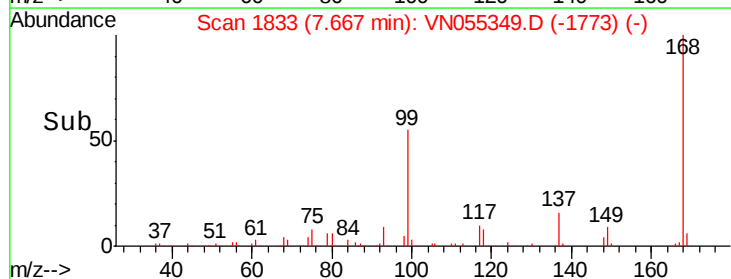
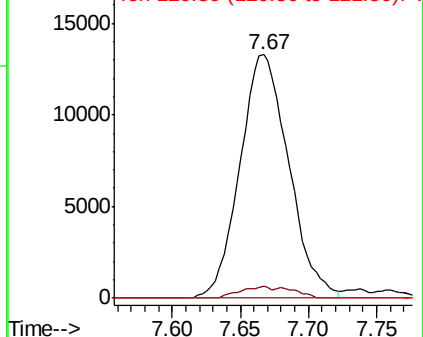


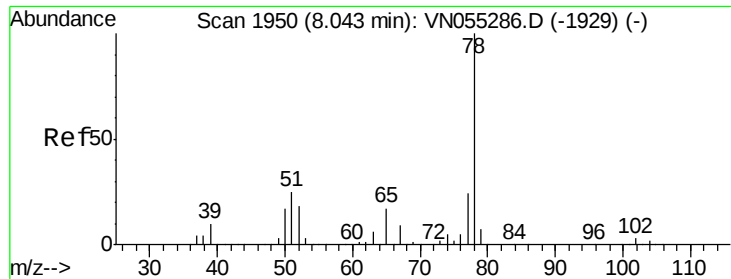
#38
Carbon Tetrachloride
Concen: 5.865 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.11 min
Lab File: VN055349.D
Acq: 2 May 2019 14:39

Tgt Ion: 117 Resp: 33064
Ion Ratio Lower Upper
117 100
119 4.9 77.0 115.6#
121 0.0 23.8 35.8#



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V





#40

Benzene

Concen: 1.006 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. 0.00 min

Lab File: VN055349.D

Acq: 2 May 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

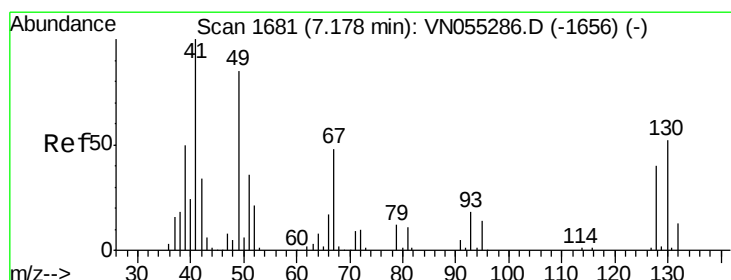
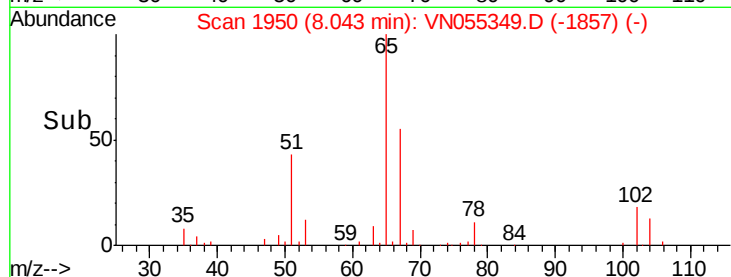
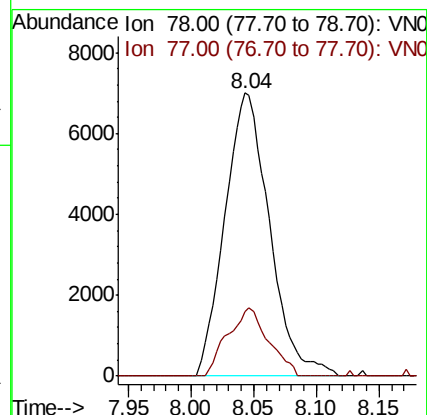
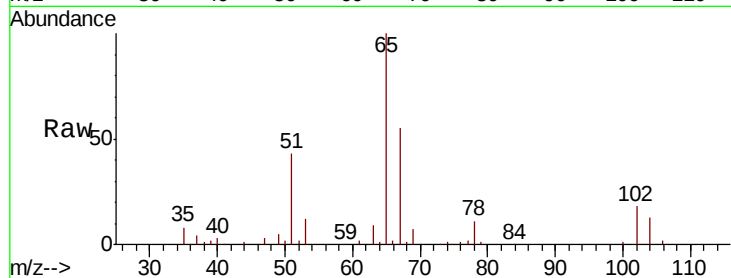
EP1-PZ-E1-6

Tot Ion: 78 Resp: 17327

Ion Ratio Lower Upper

78 100

77 22.7 19.0 28.6



#41

Methacrylonitrile

Concen: 0.778 ug/l

RT: 7.19 min Scan# 1684

Delta R.T. 0.01 min

Lab File: VN055349.D

Acq: 2 May 2019 14:39

Tgt Ion: 41 Resp: 94

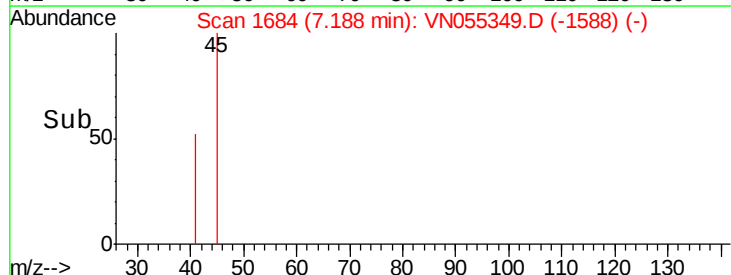
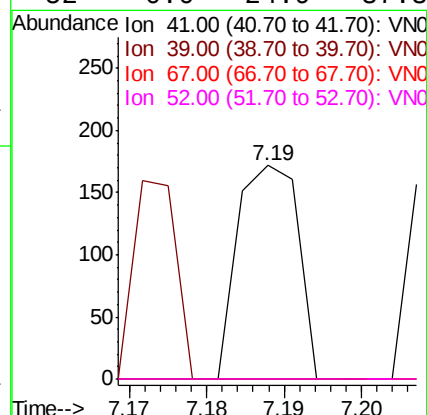
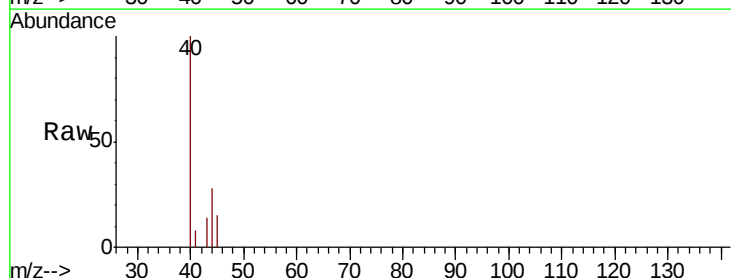
Ion Ratio Lower Upper

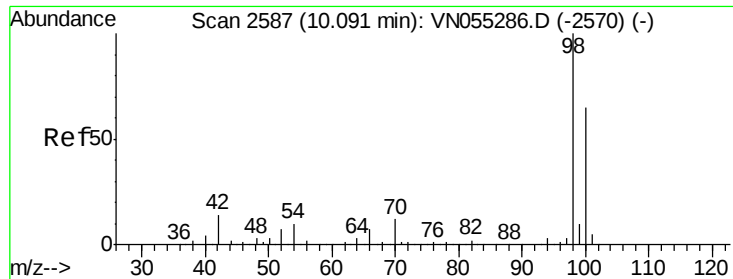
41 100

39 64.9 48.5 72.7

67 0.0 54.9 82.3#

52 0.0 24.9 37.3#





#50

Toluene-d8

Concen: 51.634 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055349.D

Acq: 2 May 2019 14:39

Instrument :

MSVOA_N

ClientSampled :

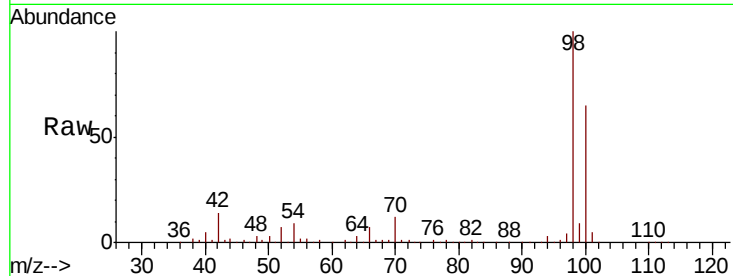
EP1-PZ-E1-6

Tot Ion: 98 Resp: 746682

Ion Ratio Lower Upper

98 100

100 63.4 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

10.09

400000

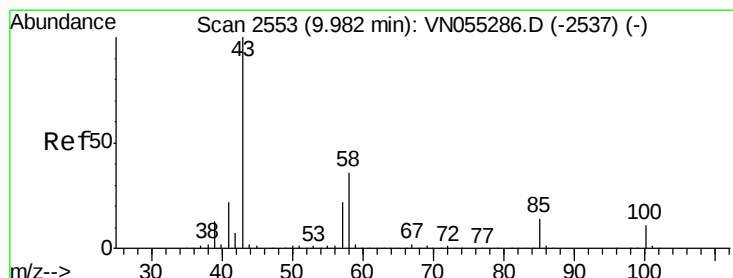
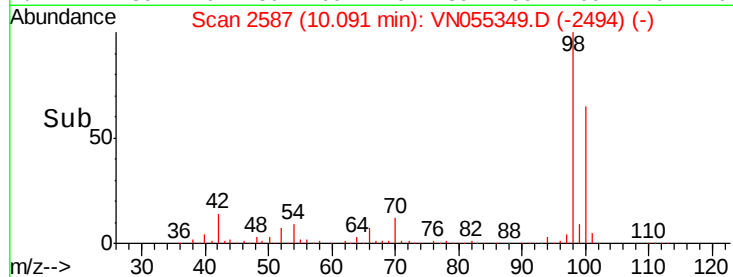
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.344 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055349.D

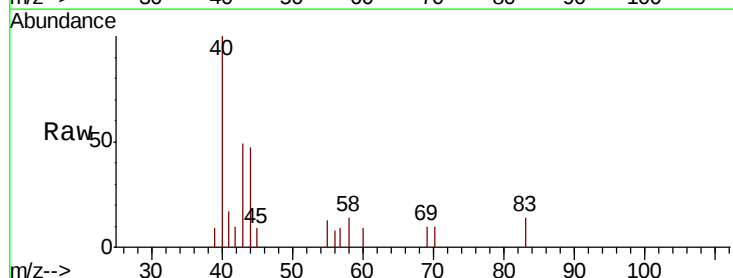
Acq: 2 May 2019 14:39

Tgt Ion: 43 Resp: 1395

Ion Ratio Lower Upper

43 100

58 31.9 28.5 42.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

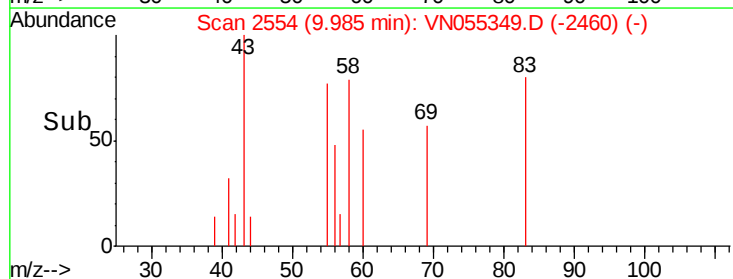
9.99

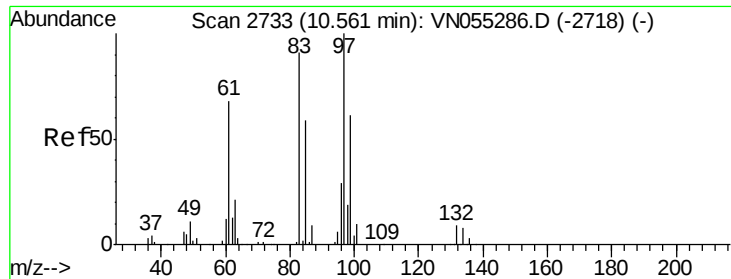
1000

500

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 4.108 ug/l

RT: 10.53 min Scan# 2724

Delta R.T. -0.03 min

Lab File: VN055349.D

Acq: 2 May 2019 14:39

Instrument :

MSVOA_N

ClientSampled :

EP1-PZ-E1-6

Tot Ion: 97 Resp: 15078

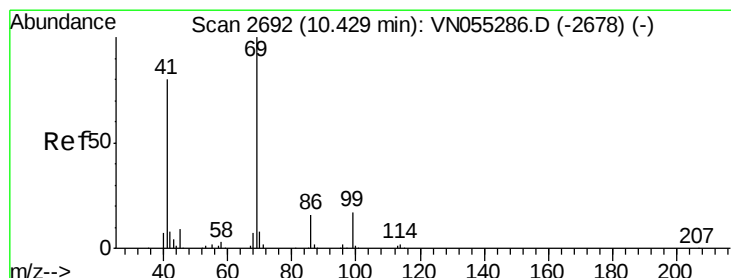
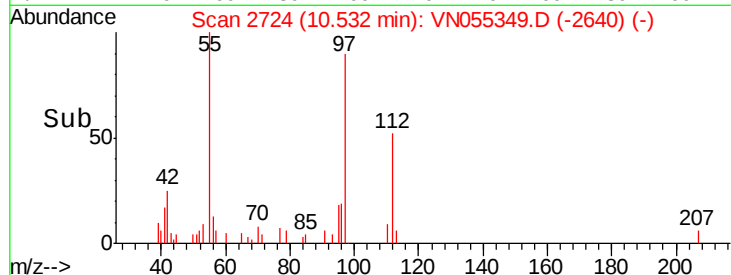
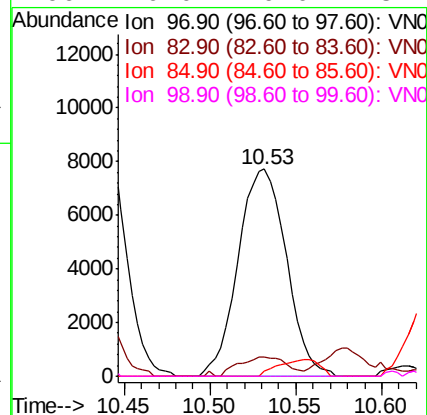
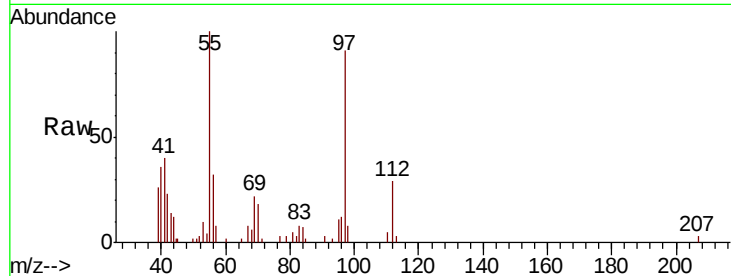
Ion Ratio Lower Upper

97 100

83 9.3 72.8 109.2#

85 2.3 47.0 70.6#

99 0.0 49.0 73.4#



#56

Ethyl methacrylate

Concen: 1.624 ug/l

RT: 10.43 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN055349.D

Acq: 2 May 2019 14:39

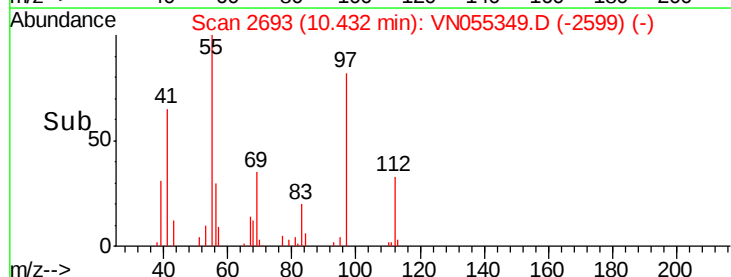
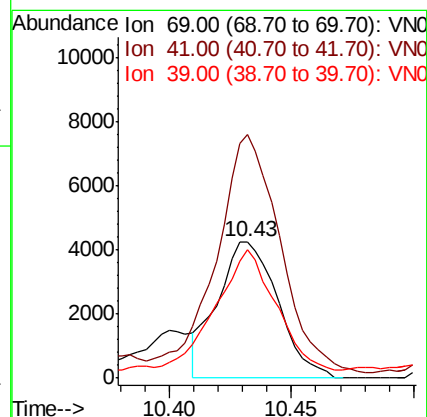
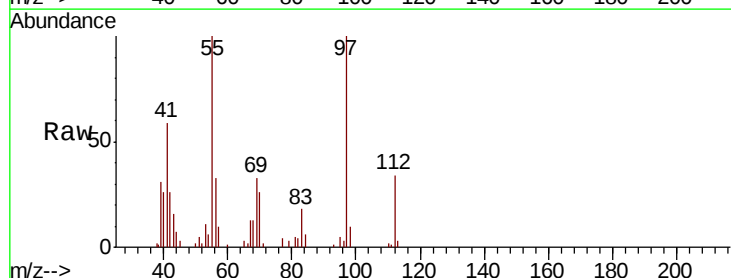
Tgt Ion: 69 Resp: 7336

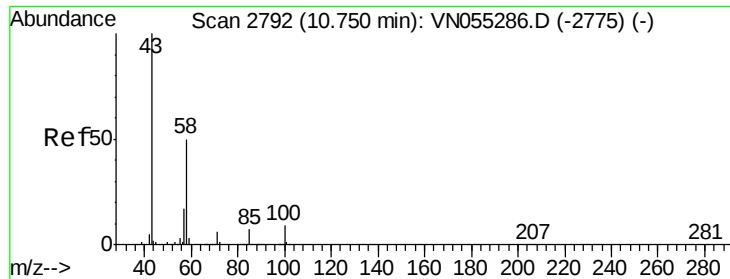
Ion Ratio Lower Upper

69 100

41 185.8 62.7 94.1#

39 95.3 32.0 48.0#

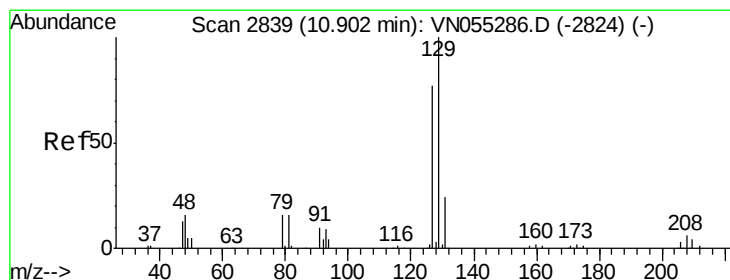
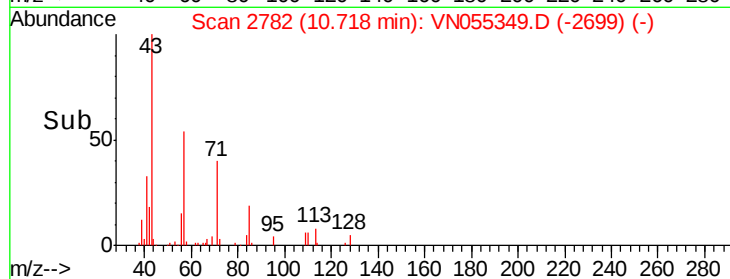
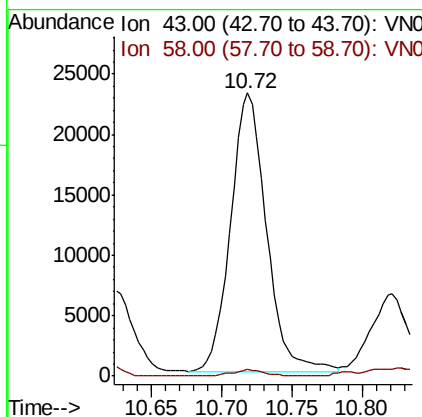
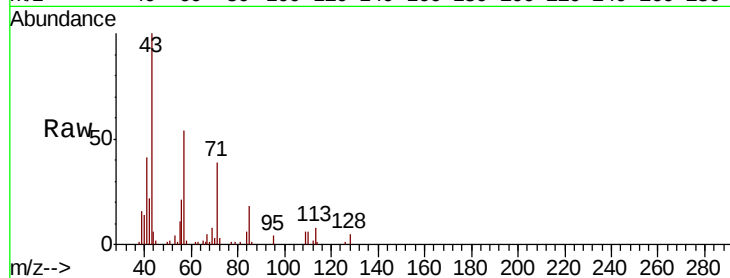




#59
2-Hexanone
Concen: 16.153 ug/l
RT: 10.72 min Scan# 2782
Delta R.T. -0.03 min
Lab File: VN055349.D
Acq: 2 May 2019 14:39

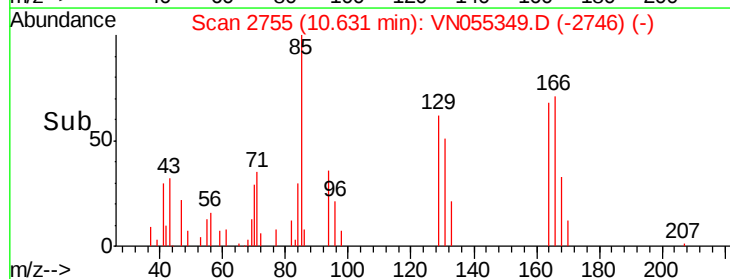
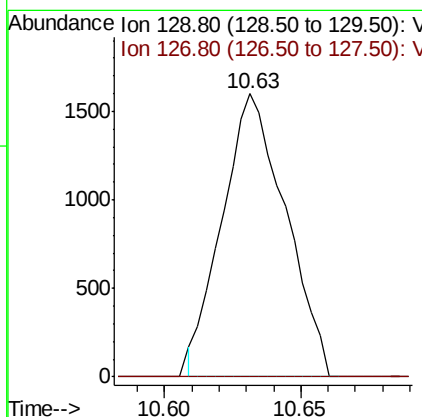
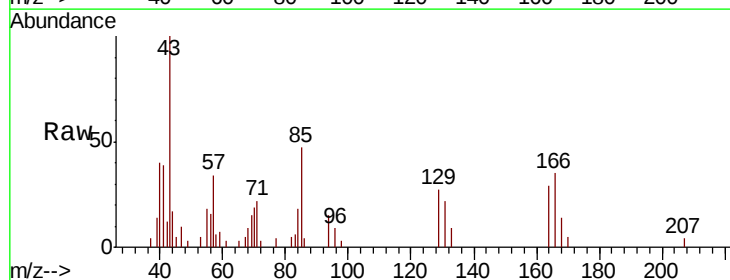
Instrument :
MSVOA_N
ClientSampled :
EP1-PZ-E1-6

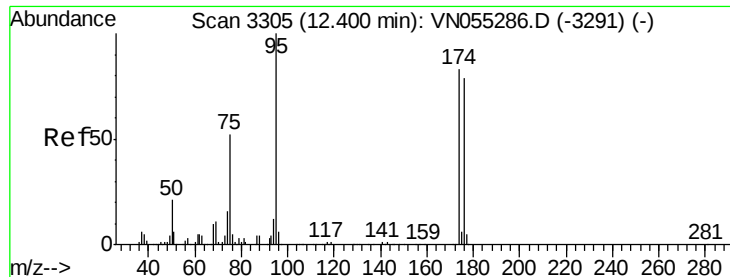
Tot Ion: 43 Resp: 40959
Ion Ratio Lower Upper
43 100
58 2.1 24.9 74.6#



#60
Dibromochloromethane
Concen: 0.687 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.27 min
Lab File: VN055349.D
Acq: 2 May 2019 14:39

Tgt Ion: 129 Resp: 2579
Ion Ratio Lower Upper
129 100
127 0.0 38.1 114.5#





#62

4-Bromofluorobenzene

Concen: 60.610 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055349.D

Acq: 2 May 2019 14:39

Instrument :

MSVOA_N

ClientSampled :

EP1-PZ-E1-6

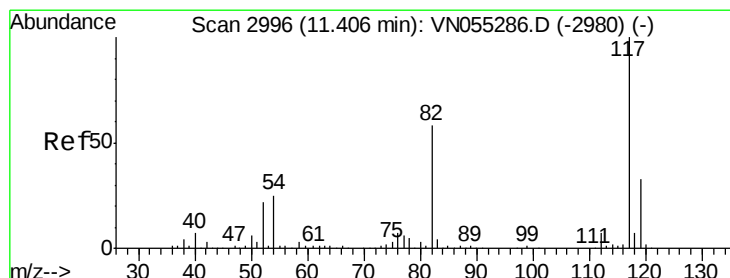
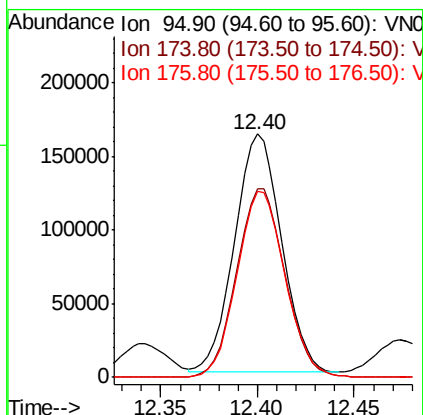
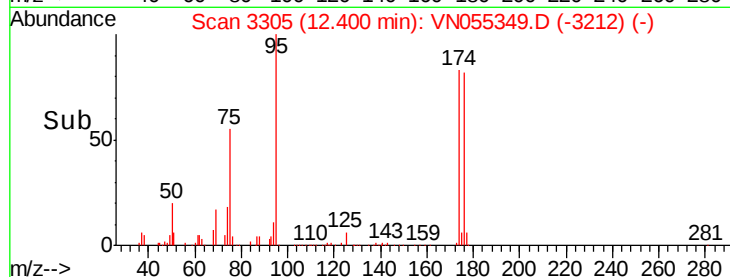
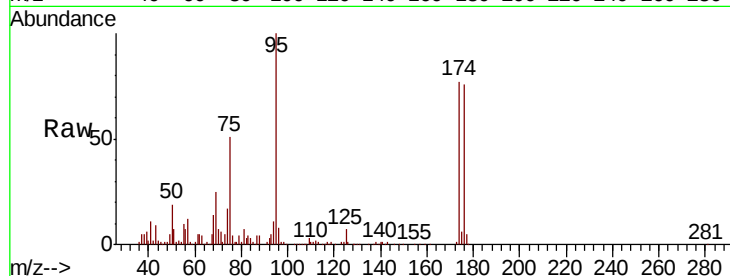
Tot Ion: 95 Resp: 273934

Ion Ratio Lower Upper

95 100

174 81.5 0.0 166.6

176 79.8 0.0 157.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN055349.D

Acq: 2 May 2019 14:39

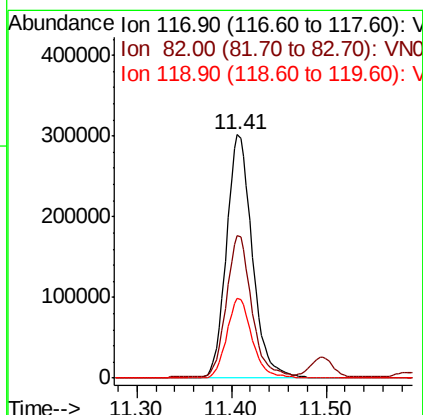
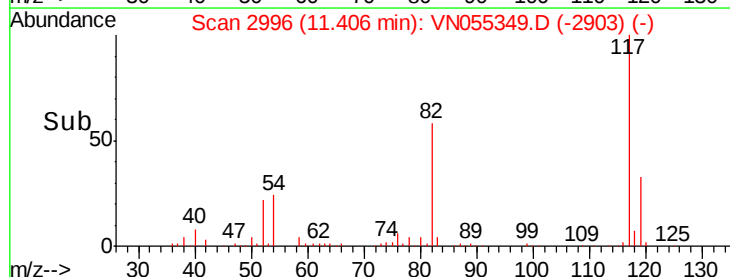
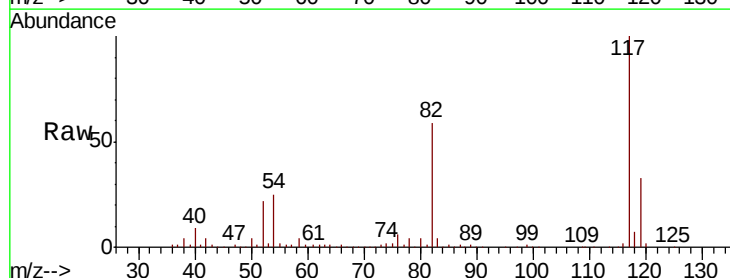
Tgt Ion: 117 Resp: 572128

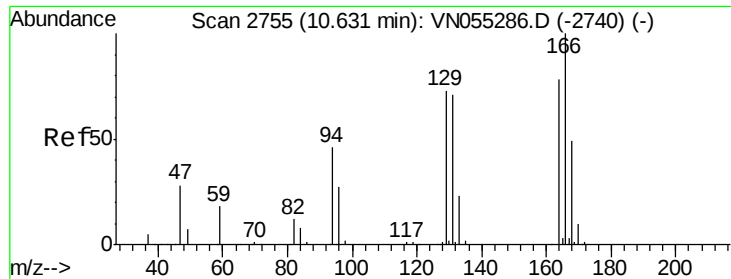
Ion Ratio Lower Upper

117 100

82 58.0 46.2 69.4

119 32.6 26.6 40.0

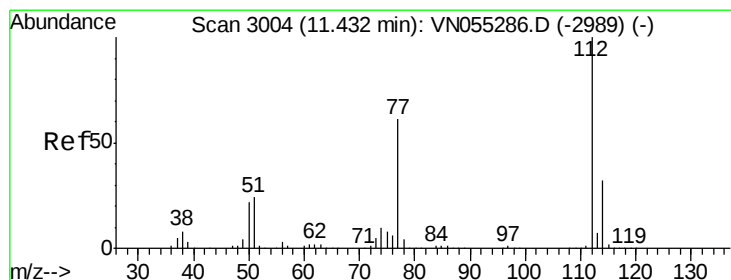
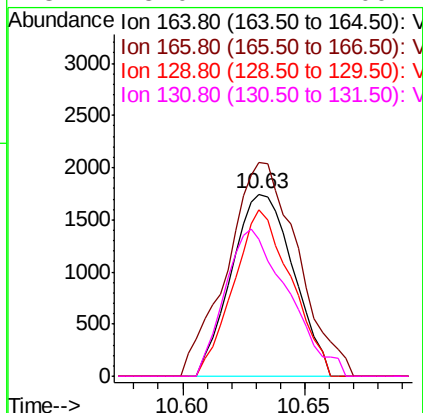
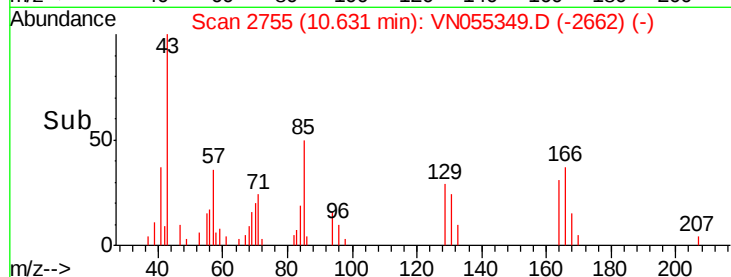
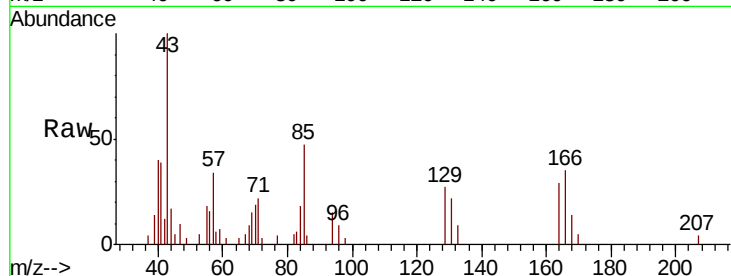




#64
Tetrachloroethene
Concen: 0.658 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055349.D
Acq: 2 May 2019 14:39

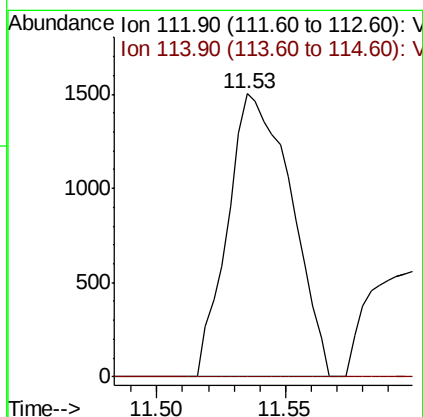
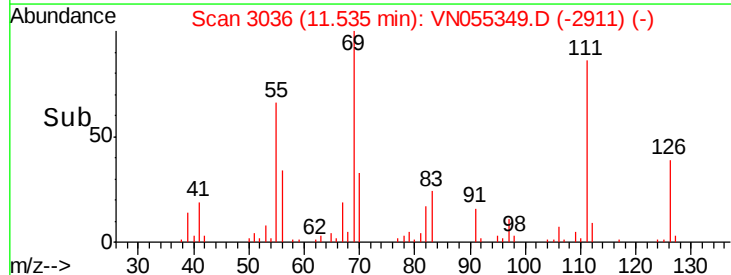
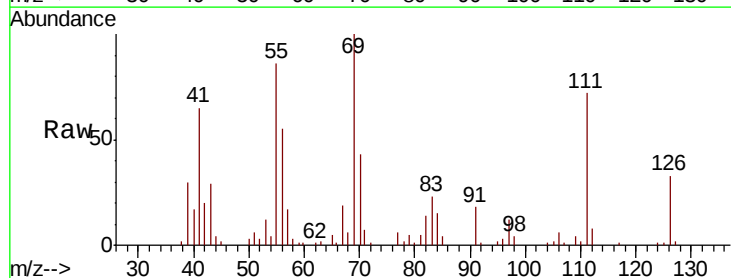
Instrument :
MSVOA_N
ClientSampleId :
EP1-PZ-E1-6

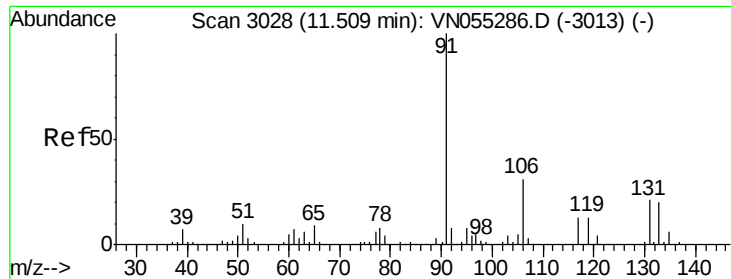
Tot Ion	Ratio	Lower	Upper
164	100		
166	104.9	102.3	153.5
129	91.6	75.0	112.6
131	75.0	72.7	109.1



#65
Chlorobenzene
Concen: 0.231 ug/l
RT: 11.53 min Scan# 3036
Delta R.T. 0.10 min
Lab File: VN055349.D
Acq: 2 May 2019 14:39

Tgt Ion	Ratio	Lower	Upper
112	100		
114	0.0	25.3	37.9#

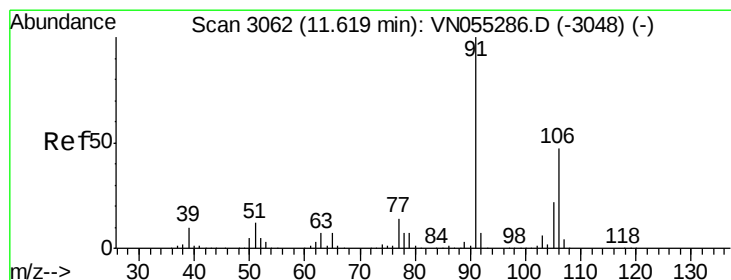
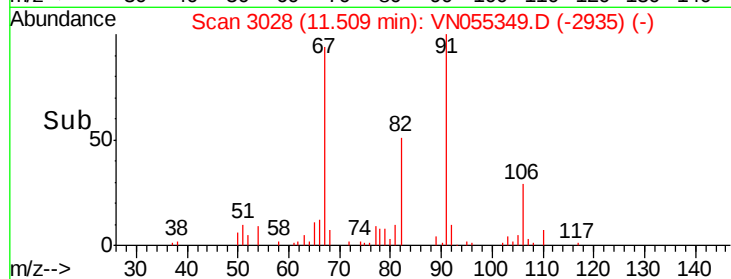
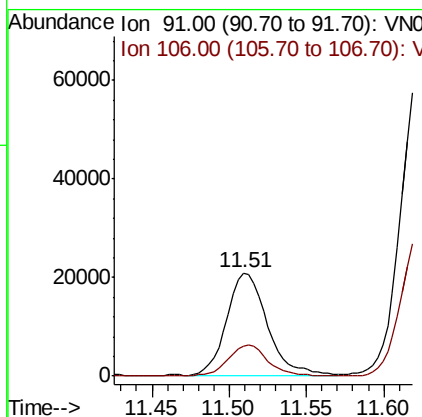
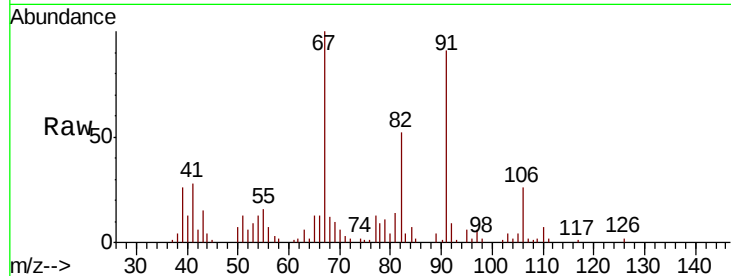




#67
Ethyl Benzene
Concen: 1.872 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055349.D
Acq: 2 May 2019 14:39

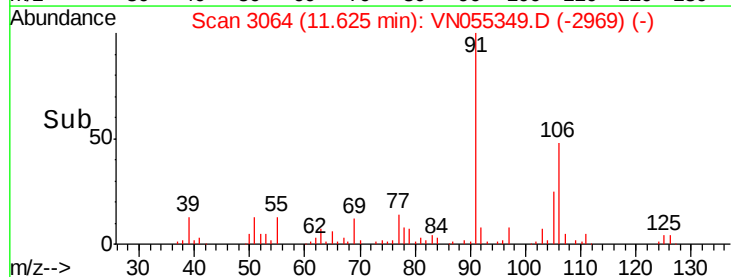
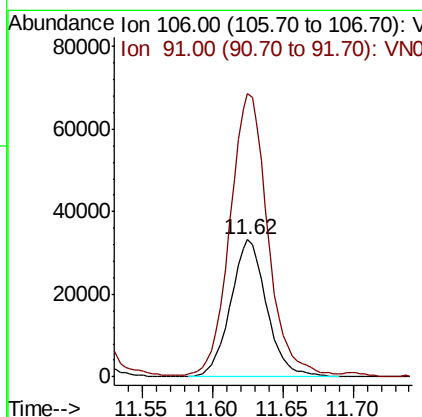
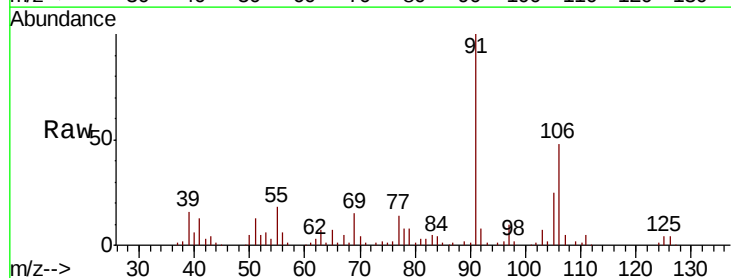
Instrument :
MSVOA_N
ClientSampled :
EP1-PZ-E1-6

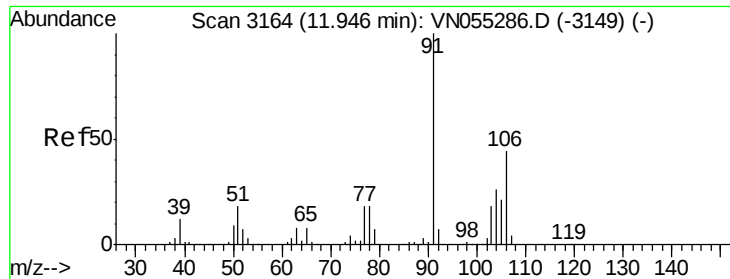
Tot Ion: 91 Resp: 37805
Ion Ratio Lower Upper
91 100
106 28.6 24.6 36.8



#68
m/p-Xylenes
Concen: 8.283 ug/l
RT: 11.62 min Scan# 3064
Delta R.T. 0.01 min
Lab File: VN055349.D
Acq: 2 May 2019 14:39

Tgt Ion: 106 Resp: 59720
Ion Ratio Lower Upper
106 100
91 213.0 169.5 254.3

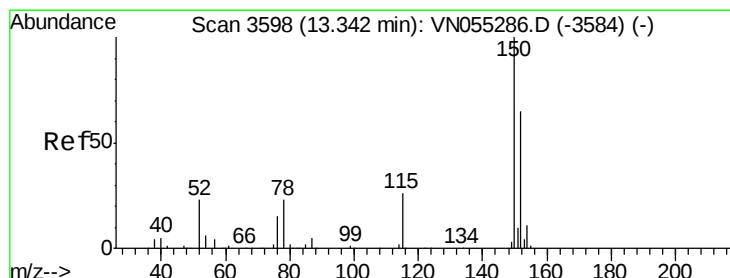
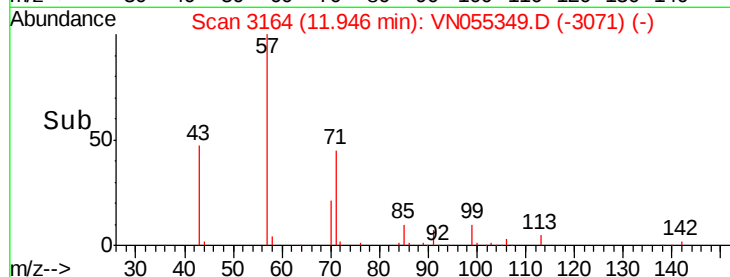
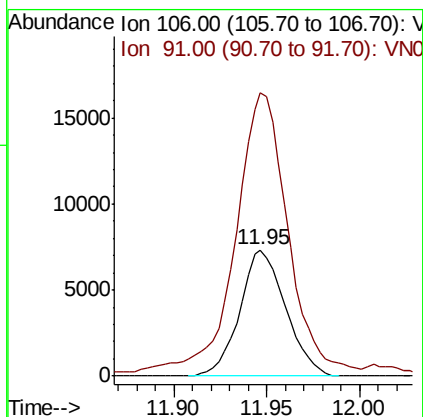
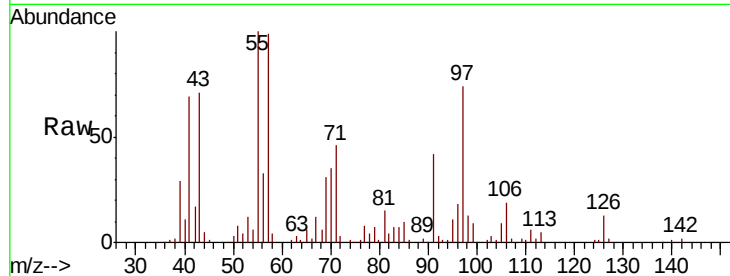




#69
o-Xylene
Concen: 1.759 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055349.D
Acq: 2 May 2019 14:39

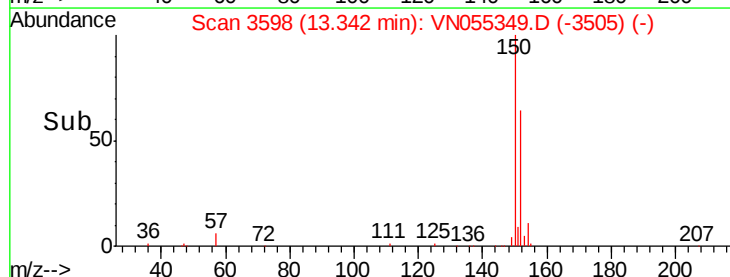
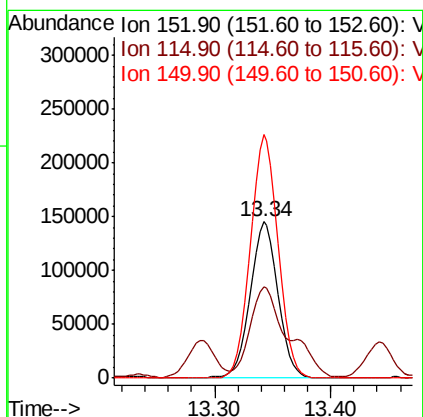
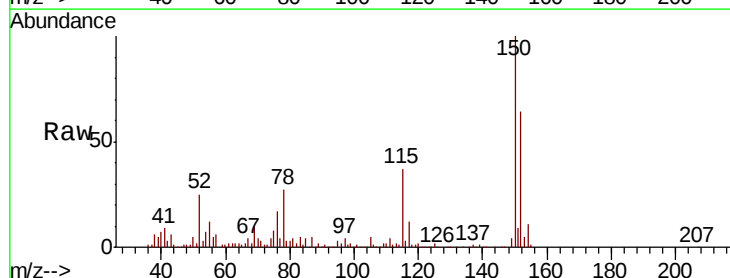
Instrument :
MSVOA_N
ClientSampled :
EP1-PZ-E1-6

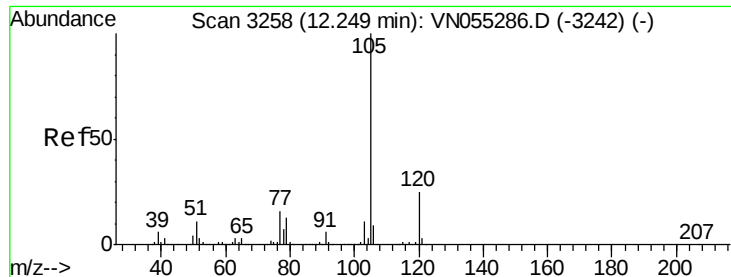
Tot Ion:106 Resp: 12568
Ion Ratio Lower Upper
106 100
91 254.6 111.5 334.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055349.D
Acq: 2 May 2019 14:39

Tgt Ion:152 Resp: 243052
Ion Ratio Lower Upper
152 100
115 77.9 29.0 87.0
150 155.4 0.0 345.6





#73

Isopropylbenzene

Concen: 171.122 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055349.D

Acq: 2 May 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

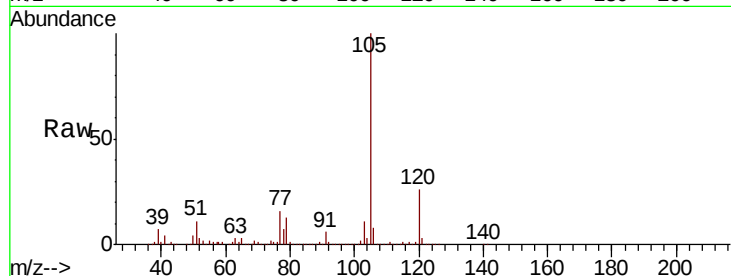
EP1-PZ-E1-6

Tot Ion:105 Resp: 3161282

Ion Ratio Lower Upper

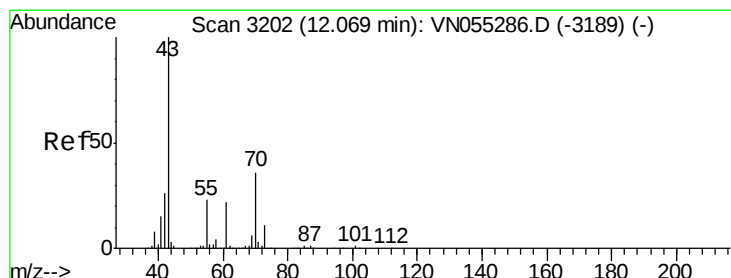
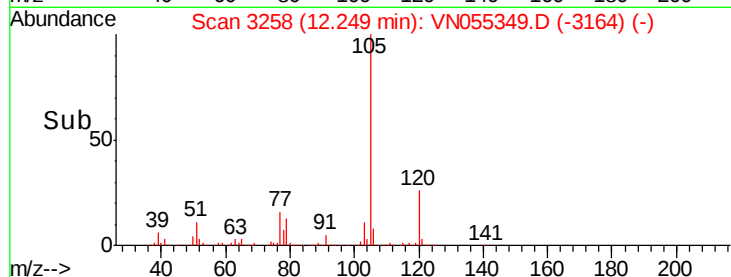
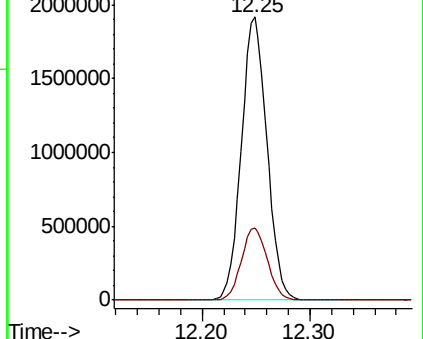
105 100

120 25.9 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 37.978 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.03 min

Lab File: VN055349.D

Acq: 2 May 2019 14:39

Tgt Ion: 43 Resp: 236895

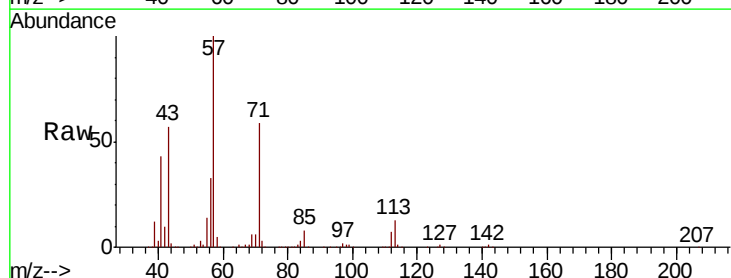
Ion Ratio Lower Upper

43 100

70 8.9 27.9 41.9#

55 10.3 18.2 27.2#

61 0.0 16.9 25.3#

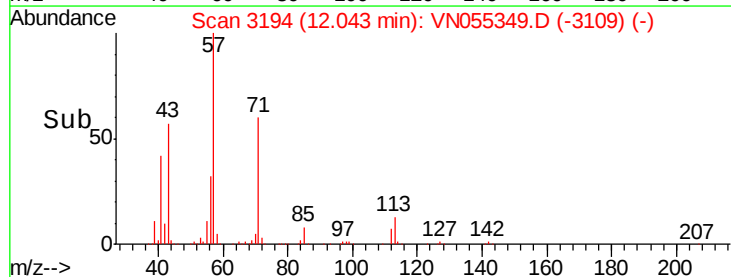
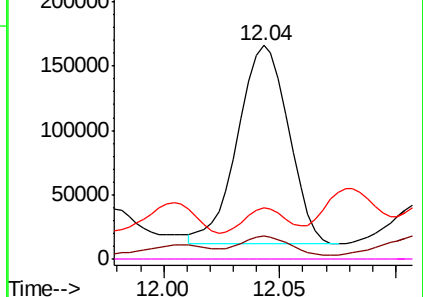


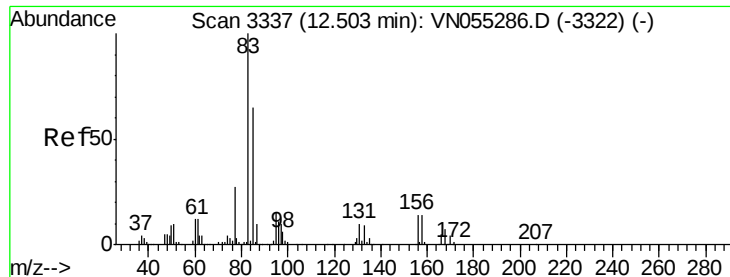
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 1.073 ug/l

RT: 12.47 min Scan# 3328

Delta R.T. -0.03 min

Lab File: VN055349.D

Acq: 2 May 2019 14:39

Instrument :

MSVOA_N

ClientSampled :

EP1-PZ-E1-6

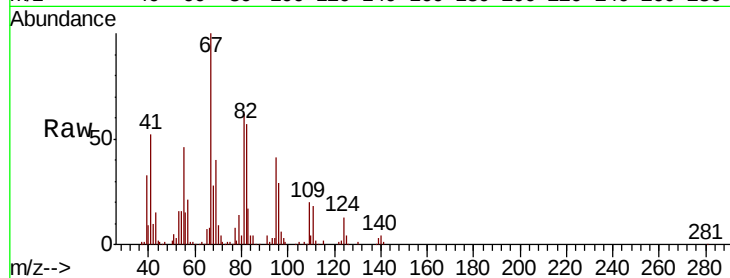
Tot Ion: 83 Resp: 20154

Ion Ratio Lower Upper

83 100

131 0.0 5.1 15.2#

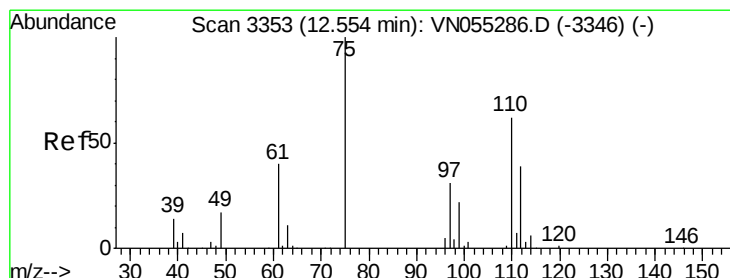
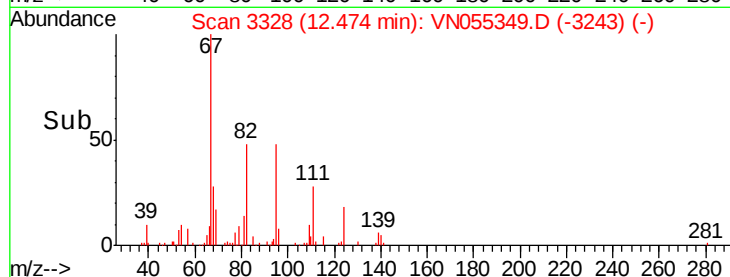
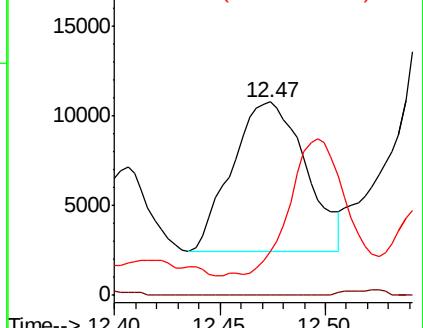
85 0.0 32.3 96.8#



Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 130.80 (130.50 to 131.50): VNO

Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: Below Cal

RT: 12.59 min Scan# 3364

Delta R.T. 0.04 min

Lab File: VN055349.D

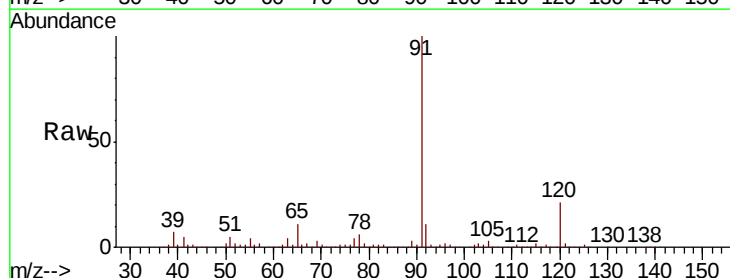
Acq: 2 May 2019 14:39

Tgt Ion: 75 Resp: 6726

Ion Ratio Lower Upper

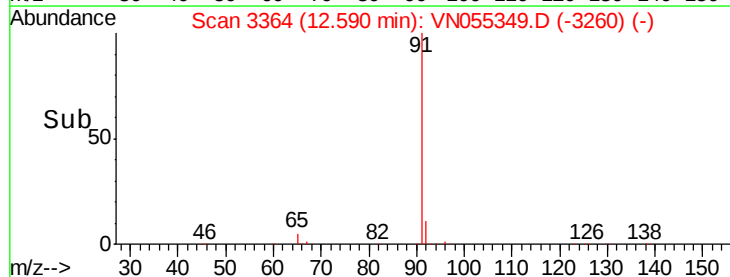
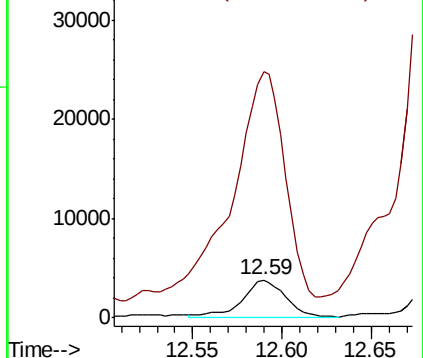
75 100

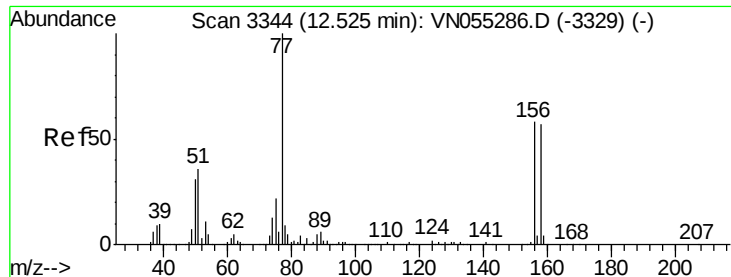
77 682.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: Below Cal

RT: 12.50 min Scan# 3337

Delta R.T. -0.02 min

Lab File: VN055349.D

Acq: 2 May 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

EP1-PZ-E1-6

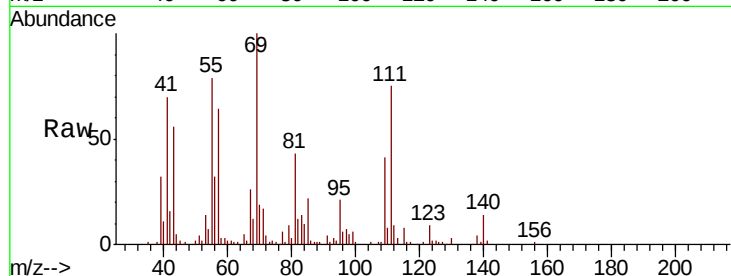
Tot Ion:156 Resp: 181

Ion Ratio Lower Upper

156 100

77 0.0 99.6 298.8#

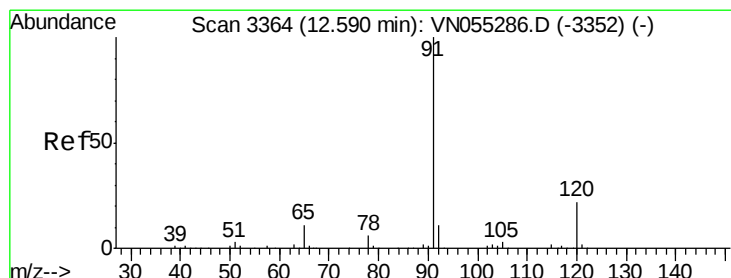
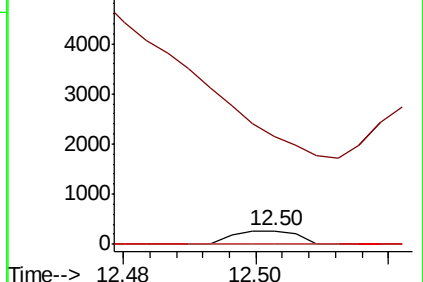
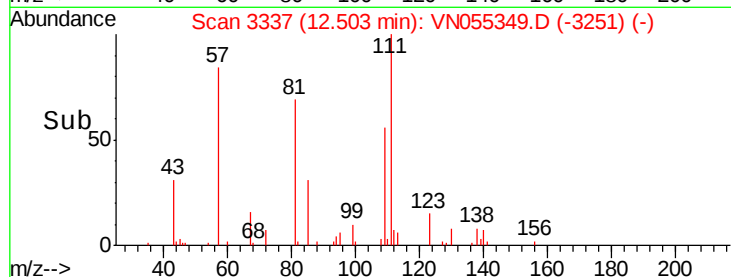
158 0.0 49.3 147.8#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 38.236 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055349.D

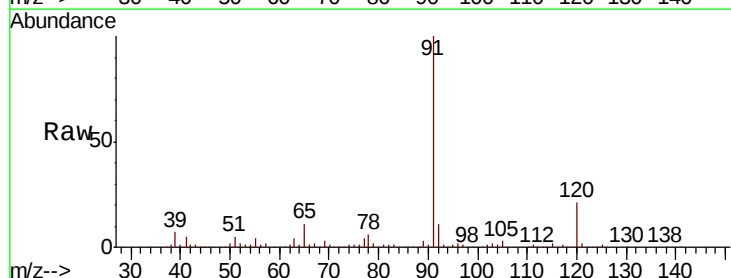
Acq: 2 May 2019 14:39

Tgt Ion: 91 Resp: 954611

Ion Ratio Lower Upper

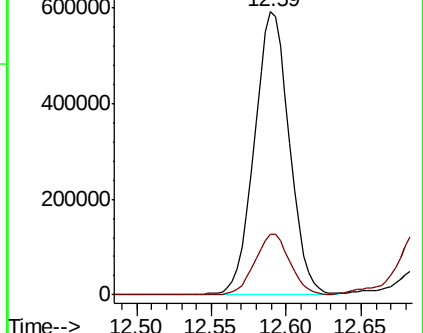
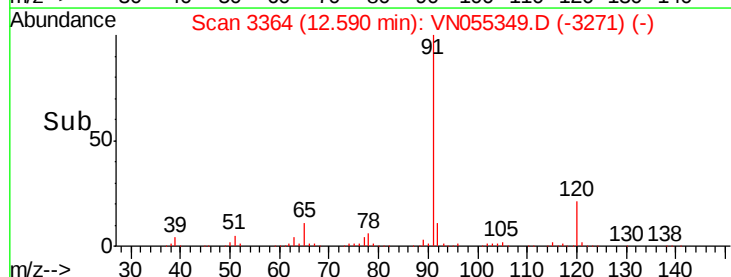
91 100

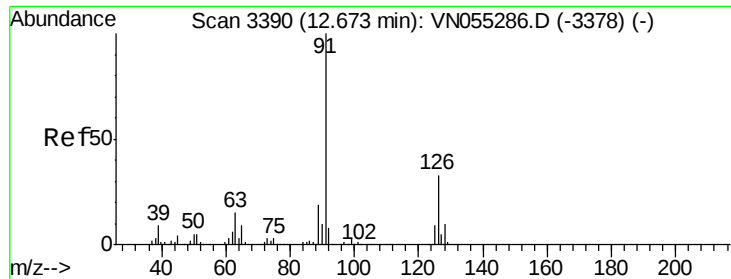
120 21.6 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

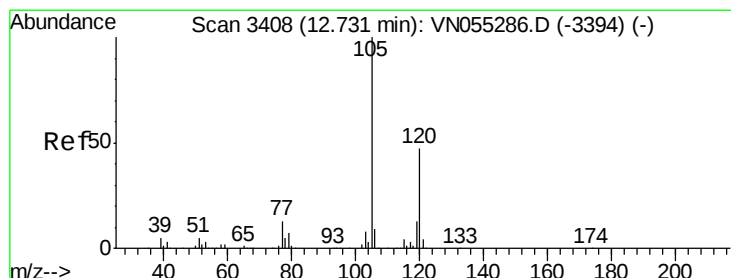
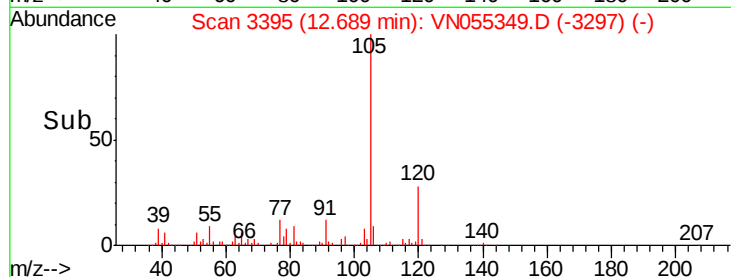
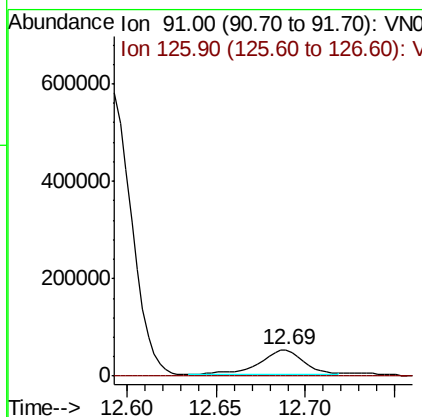
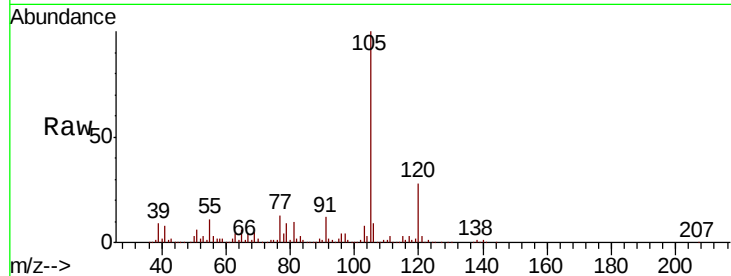




#79
 2-Chlorotoluene
 Concen: 4.370 ug/l
 RT: 12.69 min Scan# 3395
 Delta R.T. 0.02 min
 Lab File: VN055349.D
 Acq: 2 May 2019 14:39

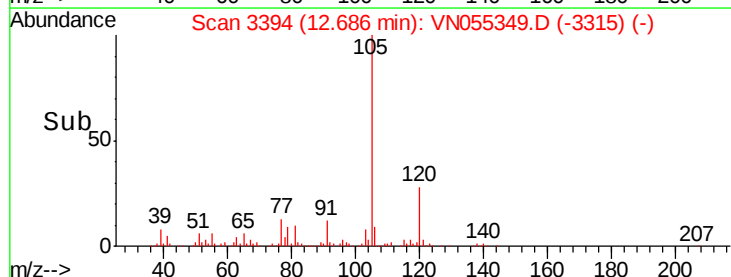
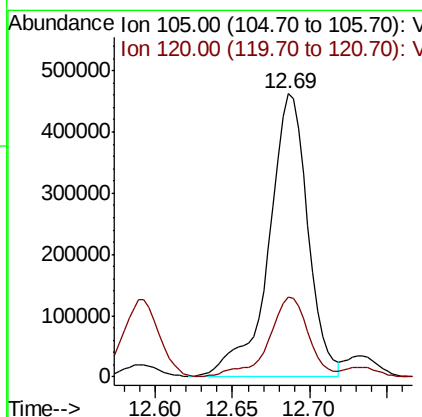
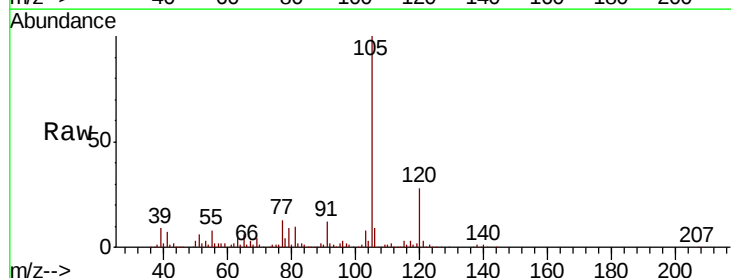
Instrument :
 MSVOA_N
 ClientSampled :
 EP1-PZ-E1-6

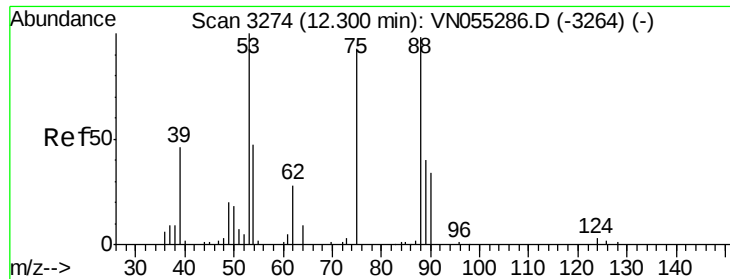
Tot Ion: 91 Resp: 89571
 Ion Ratio Lower Upper
 91 100
 126 0.0 16.6 49.7#



#80
 1,3,5-Trimethylbenzene
 Concen: 42.408 ug/l
 RT: 12.69 min Scan# 3394
 Delta R.T. -0.04 min
 Lab File: VN055349.D
 Acq: 2 May 2019 14:39

Tgt Ion: 105 Resp: 808069
 Ion Ratio Lower Upper
 105 100
 120 28.1 23.4 70.0





#81

trans-1,4-Dichloro-2-butene

Concen: 30.609 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.05 min

Lab File: VN055349.D

Acq: 2 May 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

EP1-PZ-E1-6

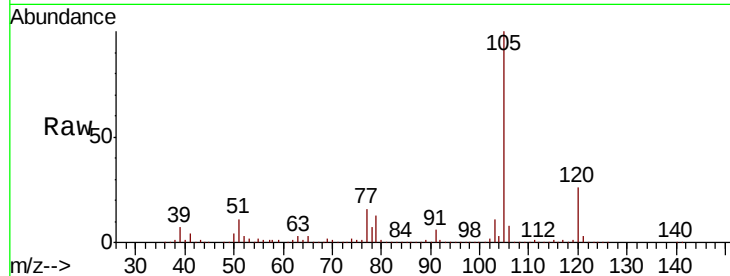
Tot Ion: 75 Resp: 39258

Ion Ratio Lower Upper

75 100

53 103.1 86.3 129.5

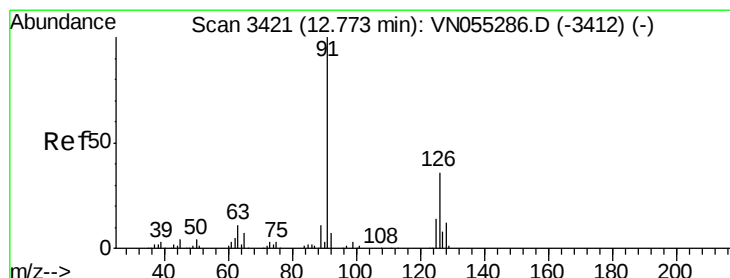
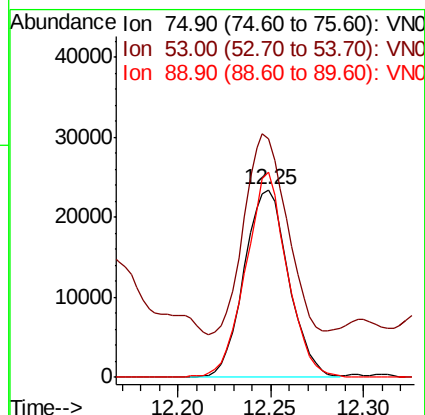
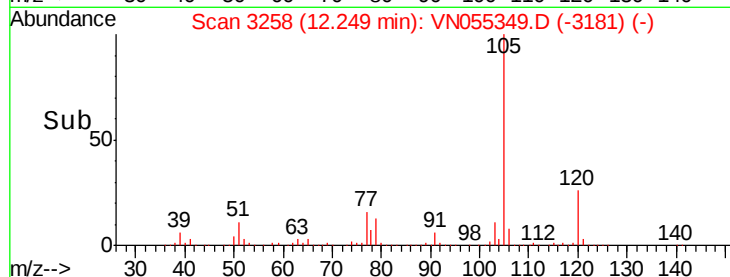
89 101.4 34.6 51.8#



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: 6.170 ug/l

RT: 12.69 min Scan# 3395

Delta R.T. -0.08 min

Lab File: VN055349.D

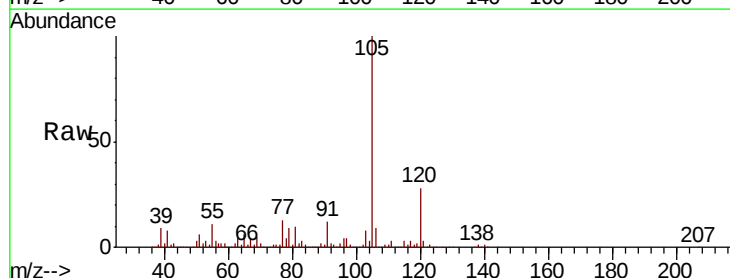
Acq: 2 May 2019 14:39

Tgt Ion: 91 Resp: 89571

Ion Ratio Lower Upper

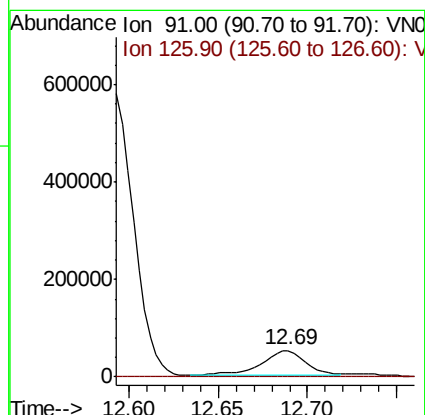
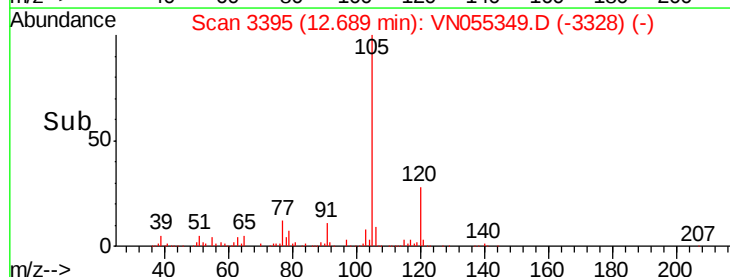
91 100

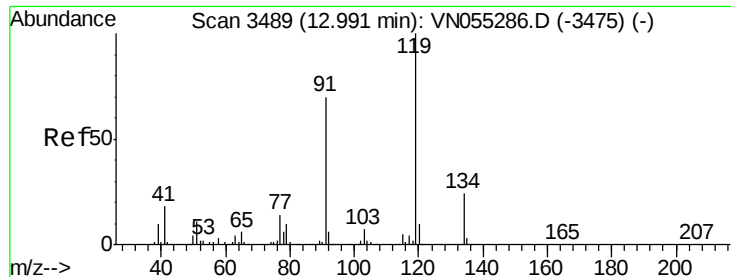
126 0.0 16.6 49.7#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

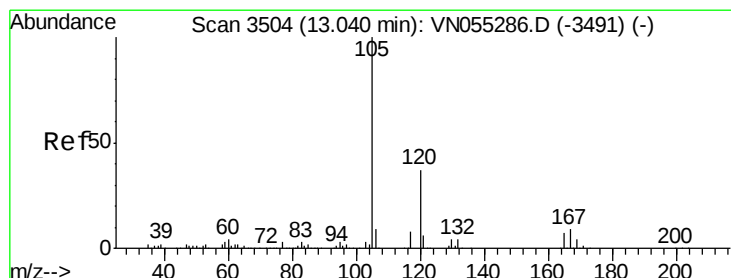
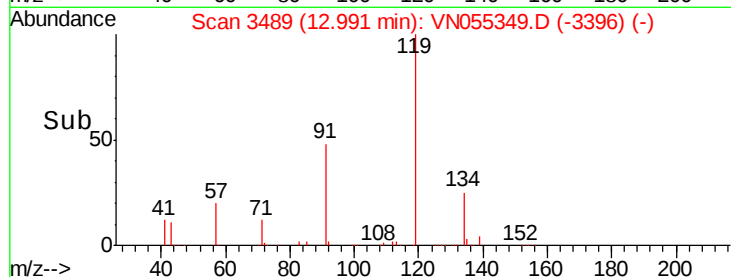
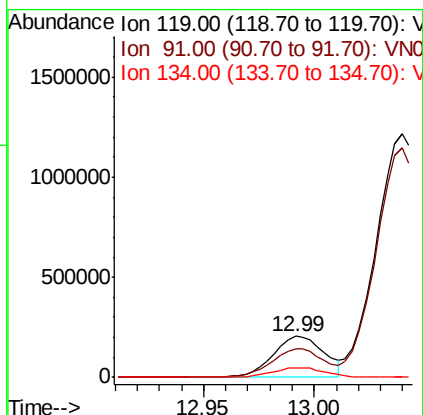
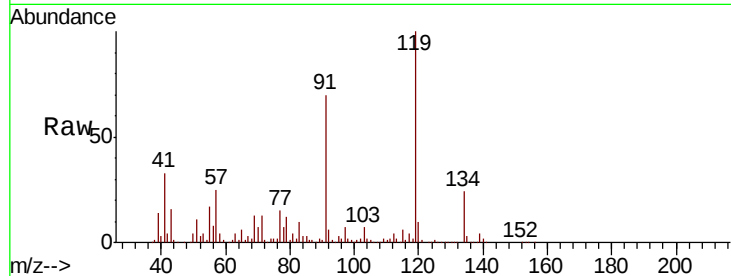




#83
tert-Butylbenzene
Concen: 22.877 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055349.D
Acq: 2 May 2019 14:39

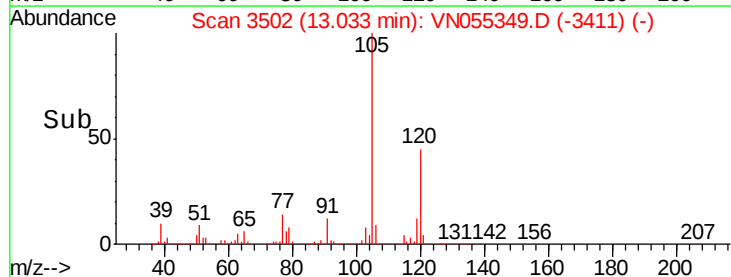
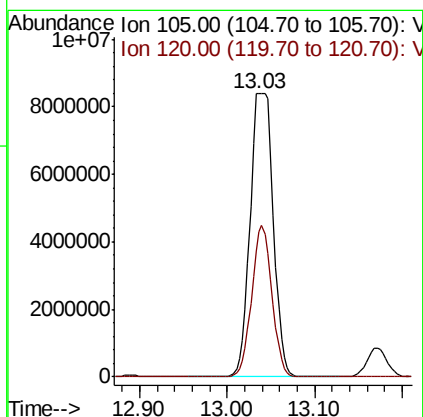
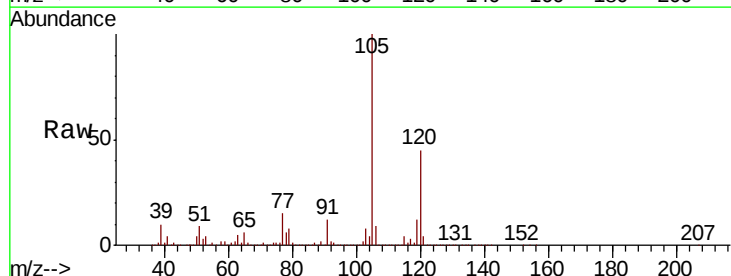
Instrument :
MSVOA_N
ClientSampleId :
EP1-PZ-E1-6

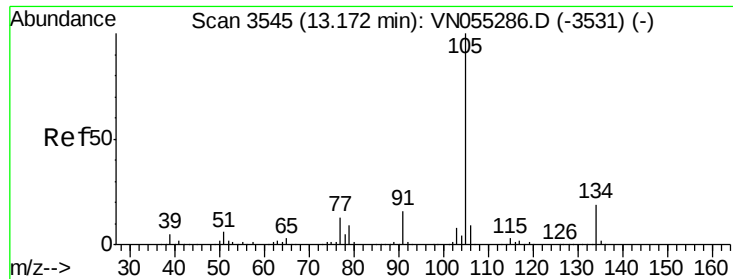
Tot Ion:119 Resp: 329838
Ion Ratio Lower Upper
119 100
91 71.0 34.3 102.9
134 24.0 13.1 39.3



#84
1,2,4-Trimethylbenzene
Concen: 904.652 ug/l
RT: 13.03 min Scan# 3502
Delta R.T. -0.01 min
Lab File: VN055349.D
Acq: 2 May 2019 14:39

Tgt Ion:105 Resp:15416484
Ion Ratio Lower Upper
105 100
120 46.6 22.1 66.5





#85

sec-Butylbenzene

Concen: 65.771 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055349.D

Acq: 2 May 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

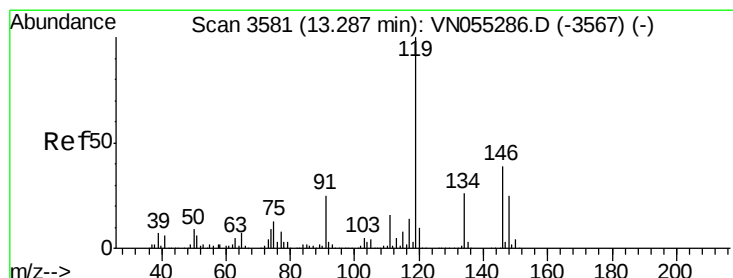
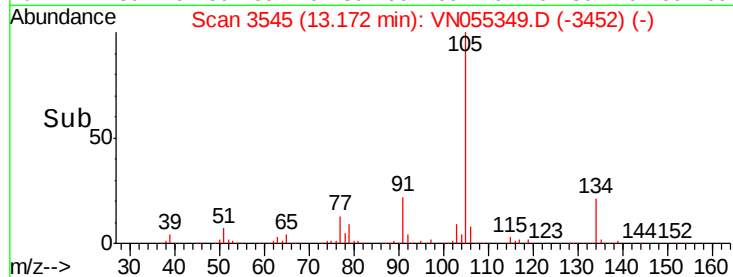
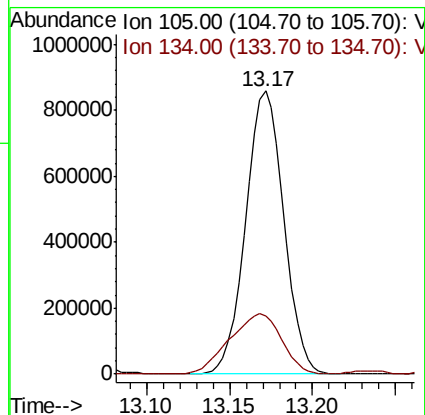
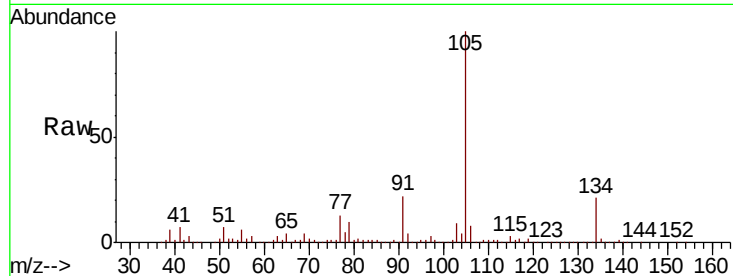
EP1-PZ-E1-6

Tot Ion:105 Resp: 1362139

Ion Ratio Lower Upper

105 100

134 29.5 9.6 28.8#



#86

p-Isopropyltoluene

Concen: 38.608 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055349.D

Acq: 2 May 2019 14:39

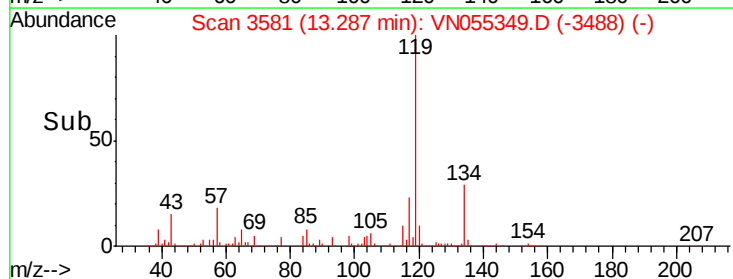
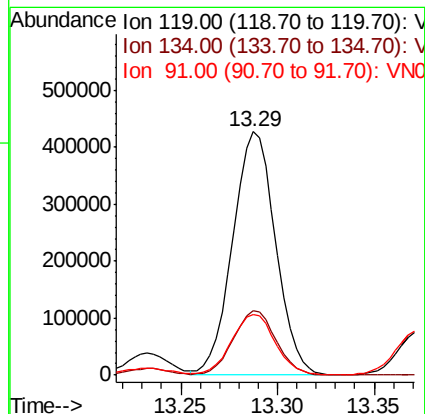
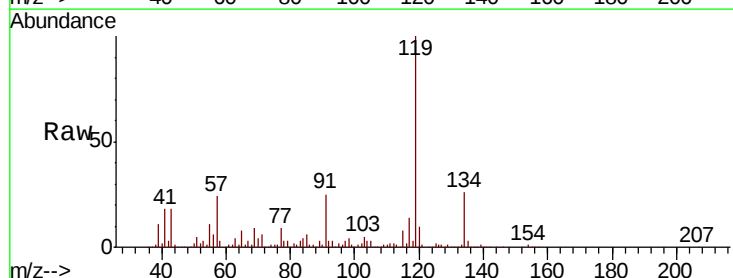
Tgt Ion:119 Resp: 657191

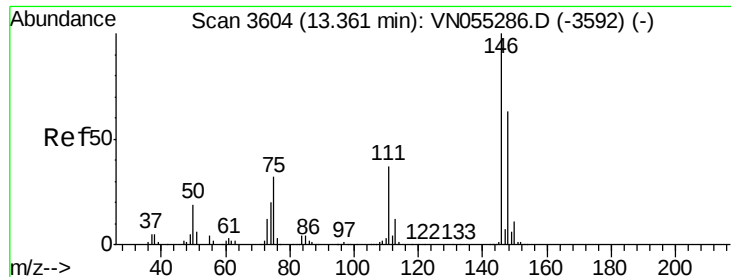
Ion Ratio Lower Upper

119 100

134 26.3 13.0 38.9

91 24.8 12.2 36.6

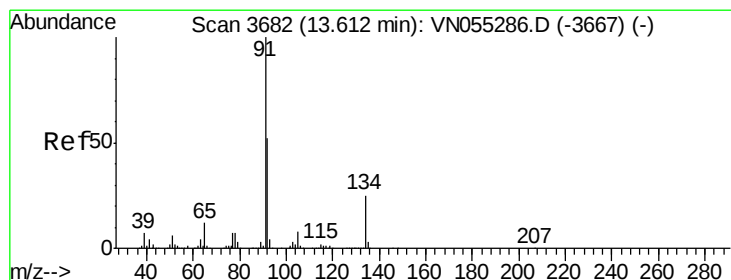
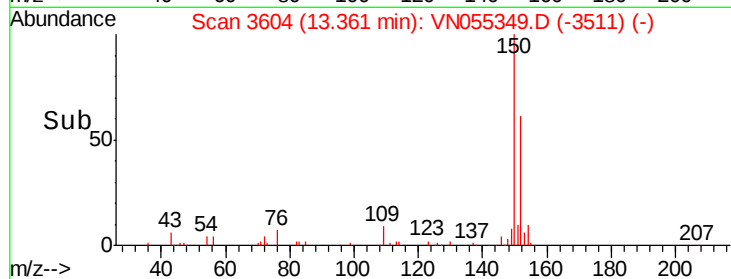
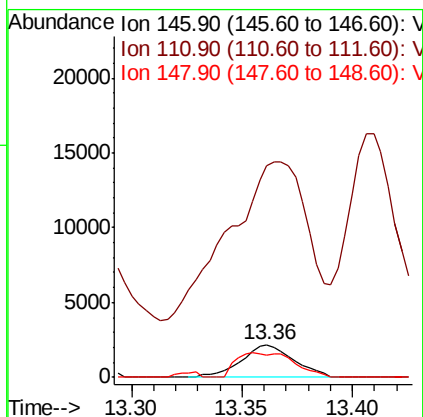
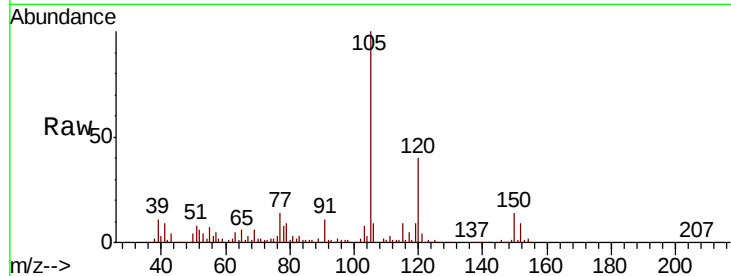




#88
 1,4-Dichlorobenzene
 Concen: 0.466 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055349.D
 Acq: 2 May 2019 14:39

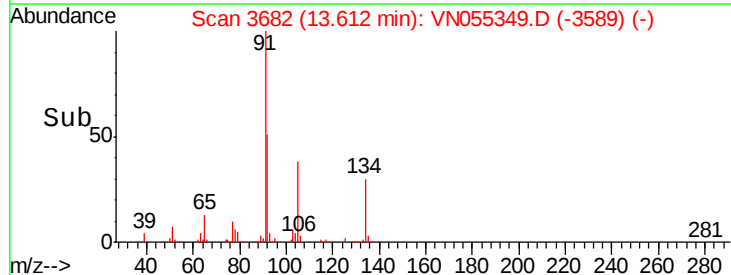
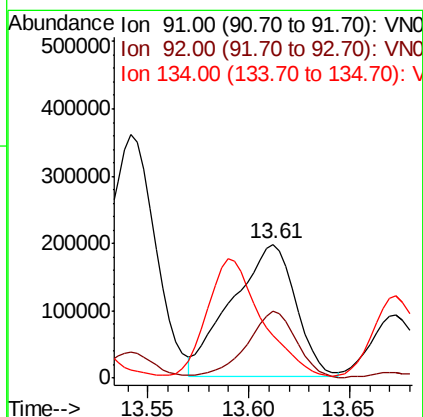
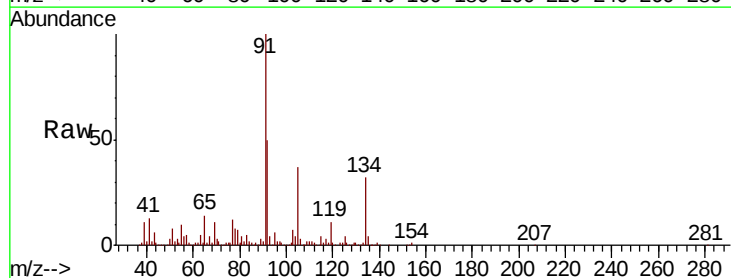
Instrument :
 MSVOA_N
 ClientSampled :
 EP1-PZ-E1-6

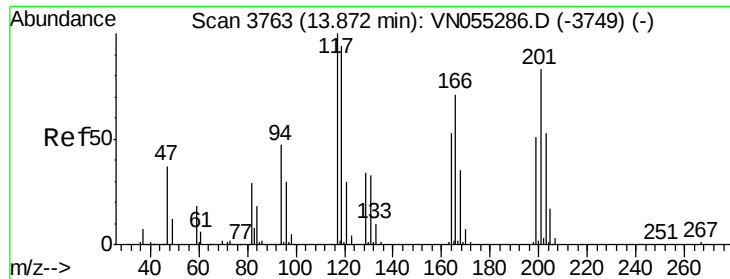
Tot Ion:146 Resp: 3573
 Ion Ratio Lower Upper
 146 100
 111 734.2 19.5 58.5#
 148 84.9 32.5 97.4



#89
 n-Butylbenzene
 Concen: 35.476 ug/l
 RT: 13.61 min Scan# 3682
 Delta R.T. 0.00 min
 Lab File: VN055349.D
 Acq: 2 May 2019 14:39

Tgt Ion: 91 Resp: 429108
 Ion Ratio Lower Upper
 91 100
 92 38.9 26.1 78.3
 134 0.0 12.4 37.4#





#90

Hexachloroethane

Concen: 94.823 ug/l

RT: 13.89 min Scan# 3768

Delta R.T. 0.02 min

Lab File: VN055349.D

Acq: 2 May 2019 14:39

Instrument :

MSVOA_N

ClientSampled :

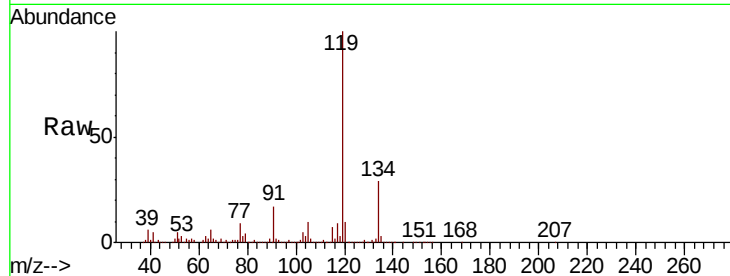
EP1-PZ-E1-6

Tot Ion:117 Resp: 251763

Ion Ratio Lower Upper

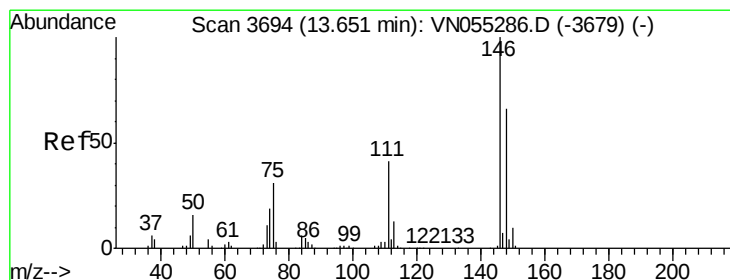
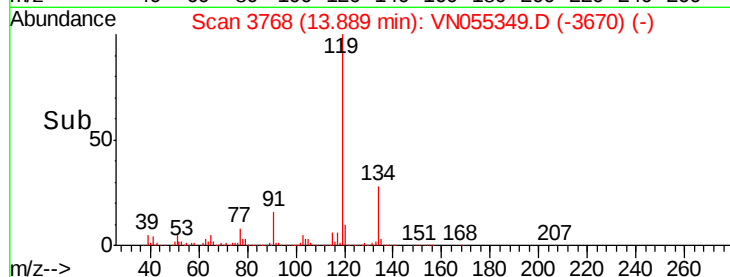
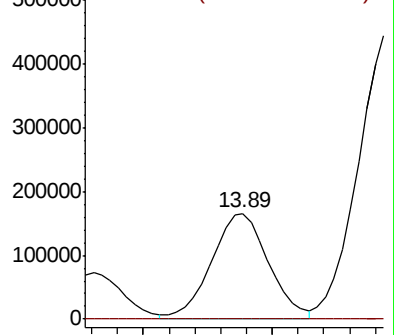
117 100

201 0.0 41.9 125.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 0.228 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.01 min

Lab File: VN055349.D

Acq: 2 May 2019 14:39

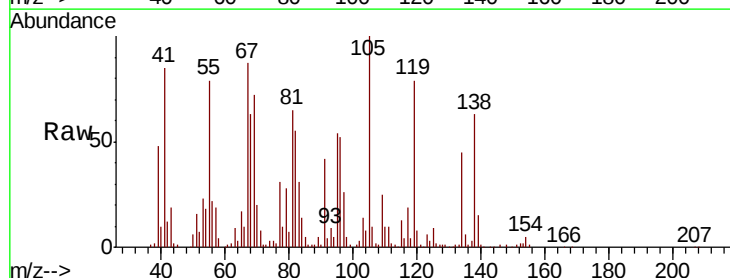
Tgt Ion:146 Resp: 1837

Ion Ratio Lower Upper

146 100

111 1604.4 20.3 61.0#

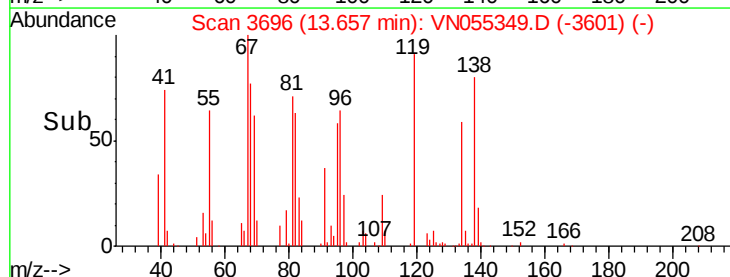
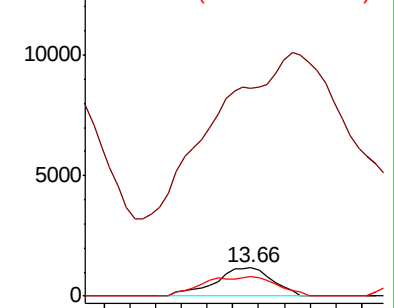
148 87.4 32.4 97.2

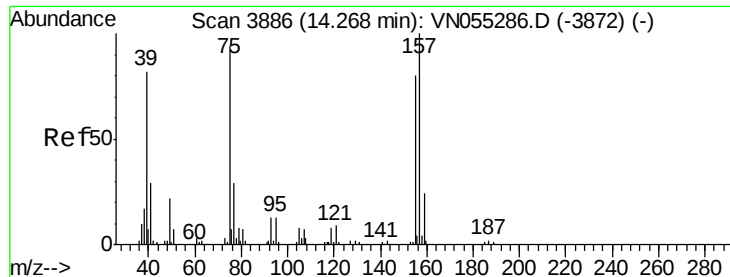


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 16.422 ug/l

RT: 14.25 min Scan# 3879

Delta R.T. -0.02 min

Lab File: VN055349.D

Acq: 2 May 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

EP1-PZ-E1-6

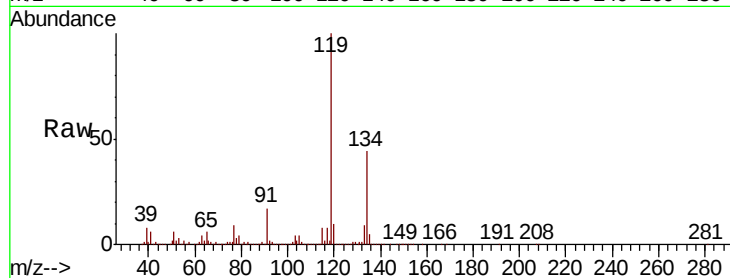
Tot Ion: 75 Resp: 10501

Ion Ratio Lower Upper

75 100

155 0.0 41.5 124.6#

157 0.0 54.0 162.2#

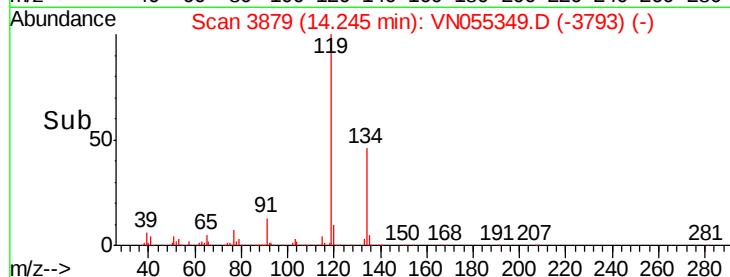


Abundance Ion 74.90 (74.60 to 75.60): VN055286.D (-3872) (-)

Ion 154.80 (154.50 to 155.50): VN055286.D (-3872) (-)

Ion 156.80 (156.50 to 157.50): VN055286.D (-3872) (-)

Time-->

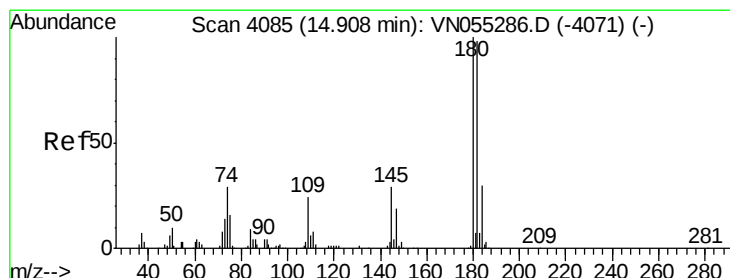


Abundance Ion 74.90 (74.60 to 75.60): VN055349.D (-3793) (-)

Ion 154.80 (154.50 to 155.50): VN055349.D (-3793) (-)

Ion 156.80 (156.50 to 157.50): VN055349.D (-3793) (-)

Time-->



#93

1,2,4-Trichlorobenzene

Concen: 3.329 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN055349.D

Acq: 2 May 2019 14:39

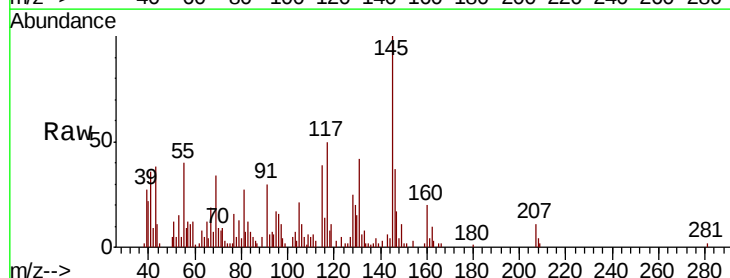
Tgt Ion: 180 Resp: 62

Ion Ratio Lower Upper

180 100

182 0.0 48.3 144.9#

145 53883.9 14.2 42.6#

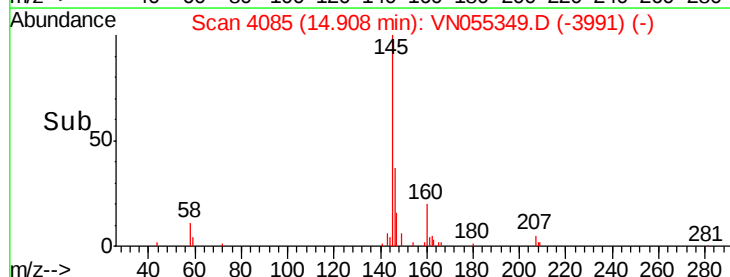


Abundance Ion 179.80 (179.50 to 180.50): VN055286.D (-4071) (-)

Ion 181.80 (181.50 to 182.50): VN055286.D (-4071) (-)

Ion 144.80 (144.50 to 145.50): VN055286.D (-4071) (-)

Time-->

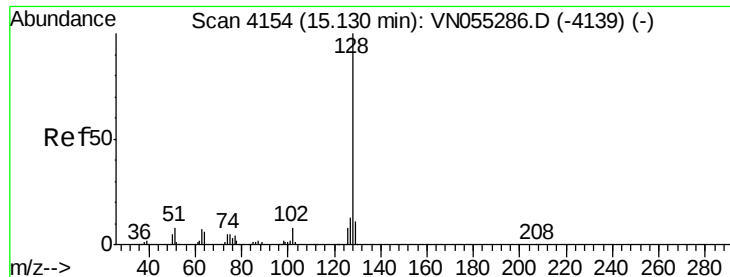


Abundance Ion 179.80 (179.50 to 180.50): VN055349.D (-3991) (-)

Ion 181.80 (181.50 to 182.50): VN055349.D (-3991) (-)

Ion 144.80 (144.50 to 145.50): VN055349.D (-3991) (-)

Time-->



#95

Naphthalene

Concen: 23.858 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055349.D

Acq: 2 May 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

EP1-PZ-E1-6

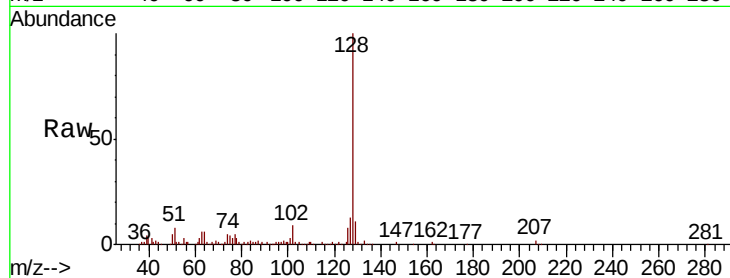
Tot Ion:128 Resp: 148583

Ion Ratio Lower Upper

128 100

127 12.9 10.7 16.1

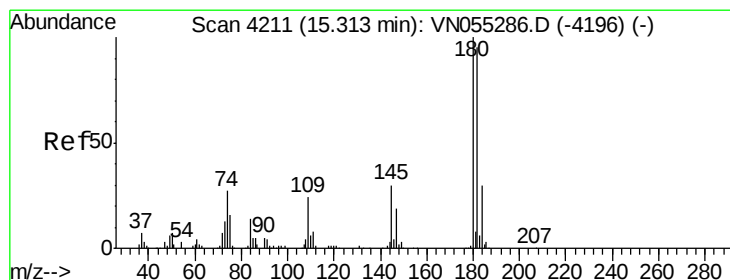
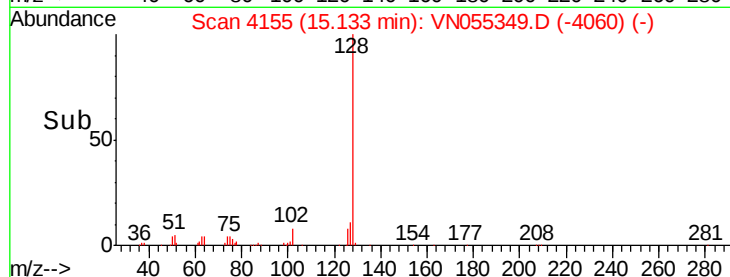
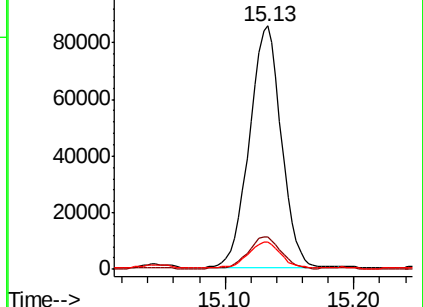
129 10.5 8.6 13.0



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: 2.673 ug/l

RT: 15.33 min Scan# 4215

Delta R.T. 0.01 min

Lab File: VN055349.D

Acq: 2 May 2019 14:39

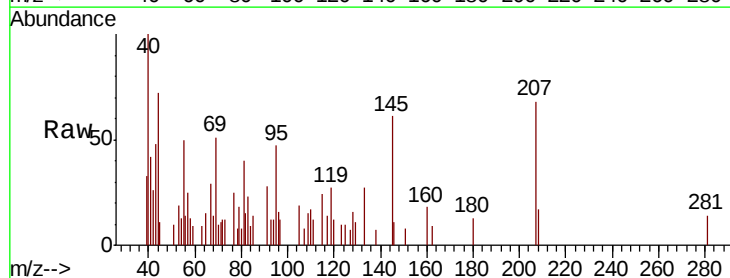
Tgt Ion:180 Resp: 198

Ion Ratio Lower Upper

180 100

182 0.0 48.3 144.9#

145 0.0 15.2 45.6#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

