

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050219\
 Data File : VN055345.D
 Acq On : 2 May 2019 12:58
 Operator : JC/SP
 Sample : K2658-16
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-PZ-FD-01

Quant Time: May 03 01:52:49 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	337623	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	588856	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	549703	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	220412	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	235364	53.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.58%	
35) Dibromofluoromethane	7.59	113	190358	49.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.50%	
50) Toluene-d8	10.09	98	729035	52.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.48%	
62) 4-Bromofluorobenzene	12.40	95	262986	60.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.58%	

Target Compounds

						Qvalue
3) Chloromethane	2.06	50	67019	13.084	ug/l	99
11) Tert butyl alcohol	4.79	59	5060	20.010	ug/l #	78
16) Acetone	3.83	43	15465	11.237	ug/l	99
17) Carbon Disulfide	4.06	76	4172	0.479	ug/l	98
18) Methyl Acetate	4.34	43	10236	2.060	ug/l #	86
20) Methylene Chloride	4.55	84	2133	0.508	ug/l #	67
25) 2-Butanone	6.84	43	36185	20.559	ug/l	98
31) Cyclohexane	7.67	56	7944	1.143	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	26110	4.629	ug/l #	44
37) Ethyl Acetate	6.84	43	36185	8.371	ug/l #	71
38) Carbon Tetrachloride	7.67	117	32395	5.954	ug/l #	17
40) Benzene	8.04	78	16750	1.007	ug/l	96
41) Methacrylonitrile	7.18	41	218	0.832	ug/l #	48
43) Isopropyl Acetate	8.25	43	28000	4.030	ug/l #	58
51) 4-Methyl-2-Pentanone	9.99	43	2318	0.593	ug/l #	84
55) 1,1,2-Trichloroethane	10.53	97	16849	4.756	ug/l #	18
56) Ethyl methacrylate	10.43	69	10475	2.402	ug/l #	43
59) 2-Hexanone	10.72	43	45064	18.414	ug/l #	32
64) Tetrachloroethene	10.63	164	3431	0.763	ug/l	98
67) Ethyl Benzene	11.51	91	31779	1.637	ug/l	99
68) m/p-Xylenes	11.63	106	50396	7.275	ug/l	97
69) o-Xylene	11.95	106	11097	1.616	ug/l	61
73) Isopropylbenzene	12.25	105	3113153	186.116	ug/l	100
74) N-amyl acetate	12.04	43	274847	48.589	ug/l #	67
75) 1,1,2,2-Tetrachloroethane	12.47	83	24859	2.683	ug/l #	25
76) 1,2,3-Trichloropropane	12.59	75	6815	Below Cal	#	100
77) Bromobenzene	12.52	156	69	Below Cal	#	1
78) n-propylbenzene	12.59	91	912891	40.320	ug/l	99
79) 2-Chlorotoluene	12.69	91	83141	4.539	ug/l #	42
80) 1,3,5-Trimethylbenzene	12.69	105	761771	44.085	ug/l	73
81) trans-1,4-Dichloro-2-buten	12.25	75	37107	31.904	ug/l #	64
82) 4-Chlorotoluene	12.69	91	83141	6.316	ug/l #	42
83) tert-Butylbenzene	12.99	119	324290	25.063	ug/l	97
84) 1,2,4-Trimethylbenzene	13.03	105	15402774	996.688	ug/l	97

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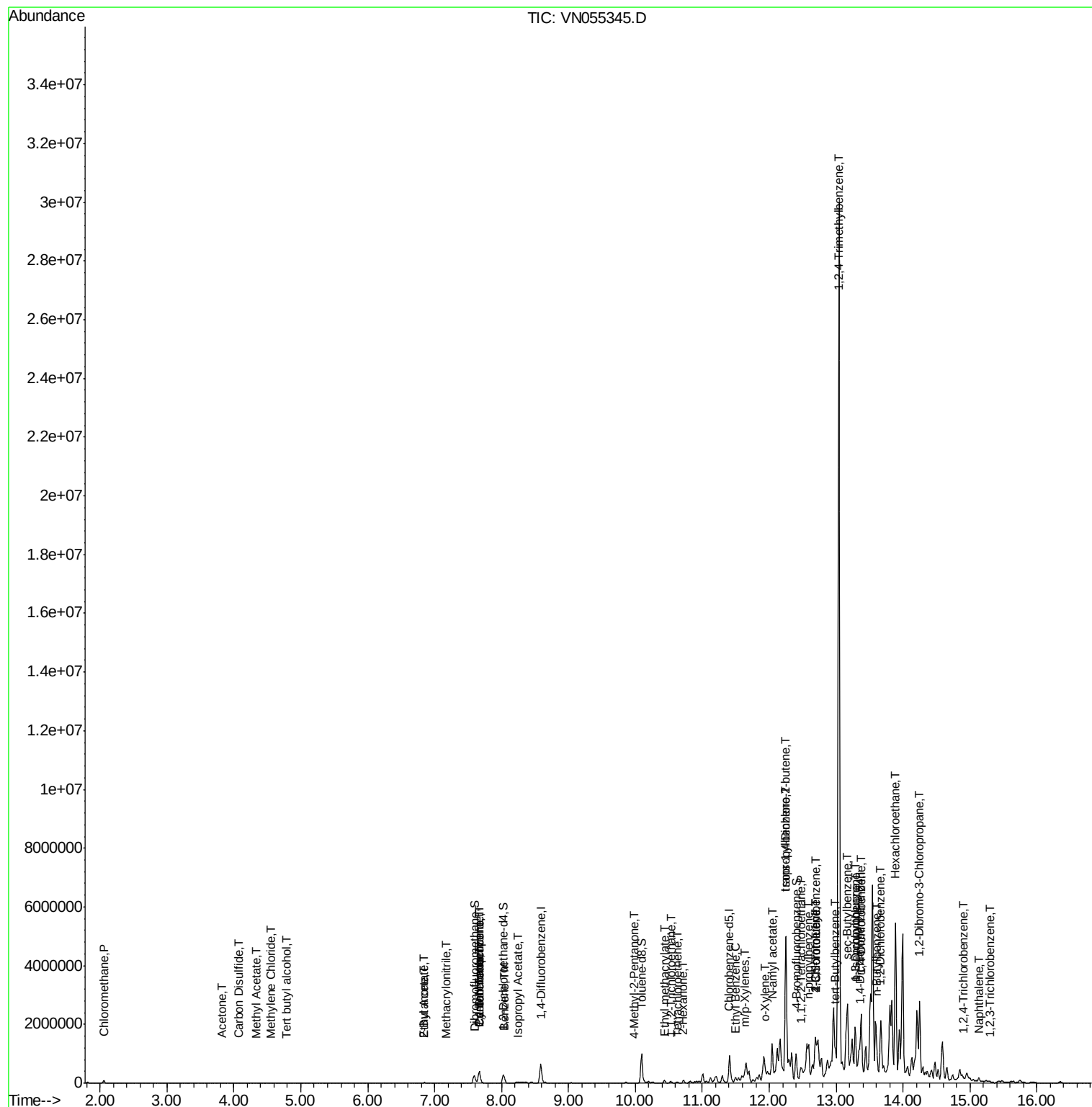
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
85) sec-Butylbenzene	13.17	105	1350527	71.908	ug/l #	77
86) p-Isopropyltoluene	13.29	119	670341	43.425	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	1603	0.217	ug/l #	74
88) 1,4-Dichlorobenzene	13.36	146	5633	0.811	ug/l #	1
89) n-Butylbenzene	13.61	91	436350	39.780	ug/l #	52
90) Hexachloroethane	13.89	117	261085	108.668	ug/l #	7
91) 1,2-Dichlorobenzene	13.65	146	3347	0.458	ug/l #	1
92) 1,2-Dibromo-3-Chloropropan	14.25	75	10109	17.433	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.91	180	3353	4.397	ug/l #	1
94) Hexachlorobutadiene	15.01	225	1159	Below Cal		92
95) Naphthalene	15.13	128	119940	21.602	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	4135	3.993	ug/l #	4

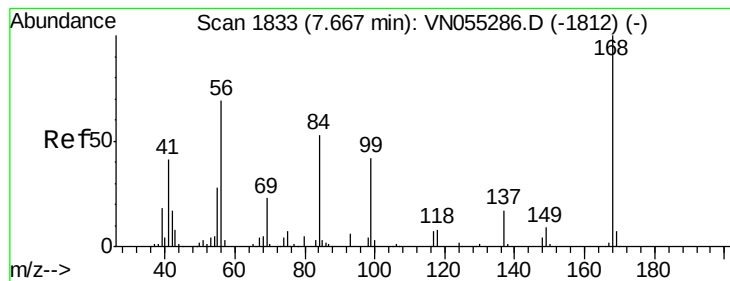
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055345.D

Acq: 2 May 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

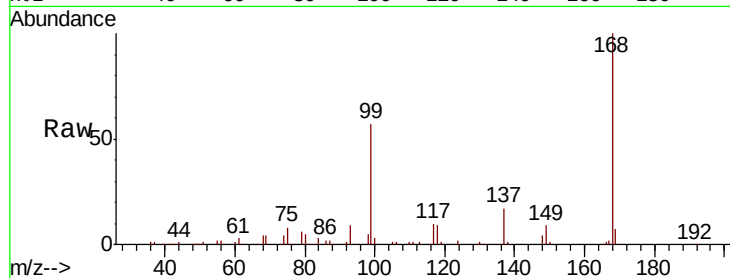
EP1-PZ-FD-01

Tot Ion:168 Resp: 337623

Ion Ratio Lower Upper

168 100

99 56.8 43.6 65.4



Abundance Ion 167.90 (167.60 to 168.60): VN055286.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN055286.D (-1812) (-)

7.67

150000

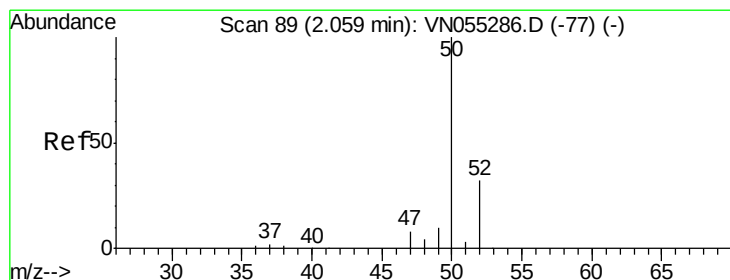
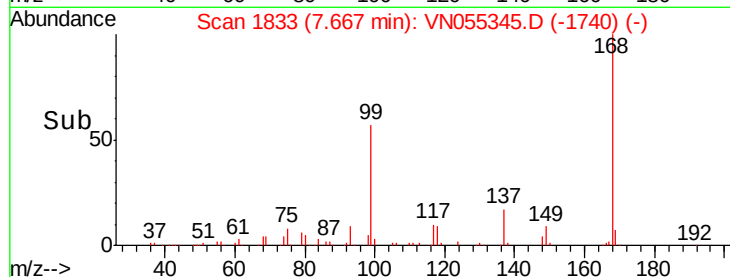
100000

50000

0

7.60 7.70 7.80

Time-->



#3

Chloromethane

Concen: 13.084 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN055345.D

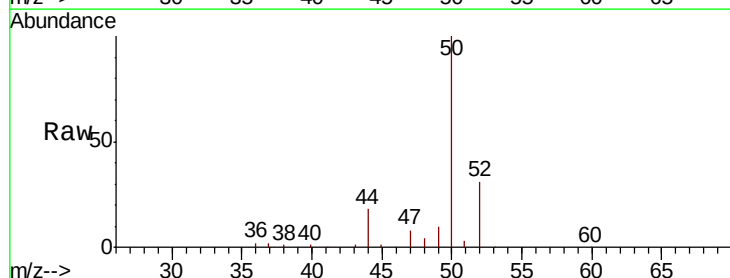
Acq: 2 May 2019 12:58

Tgt Ion: 50 Resp: 67019

Ion Ratio Lower Upper

50 100

52 31.4 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VN055286.D (-77) (-)

Ion 51.90 (51.60 to 52.60): VN055286.D (-77) (-)

2.06

50000

40000

30000

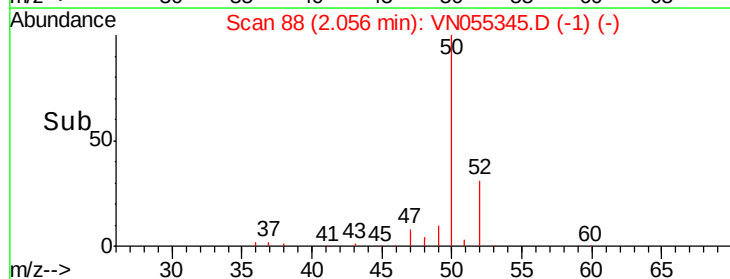
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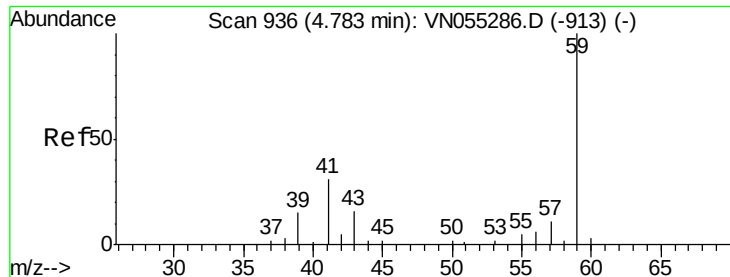
10000

0

2.00 2.05 2.10

Time-->

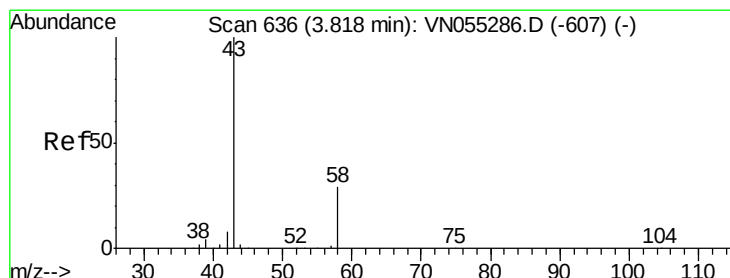
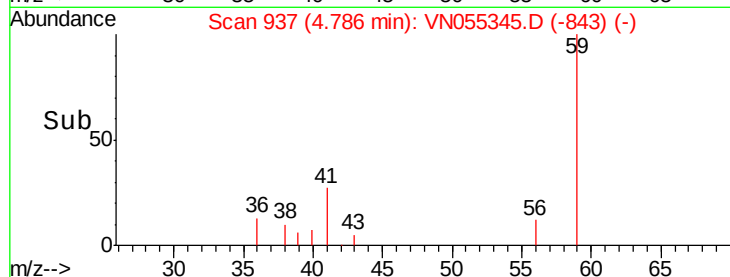
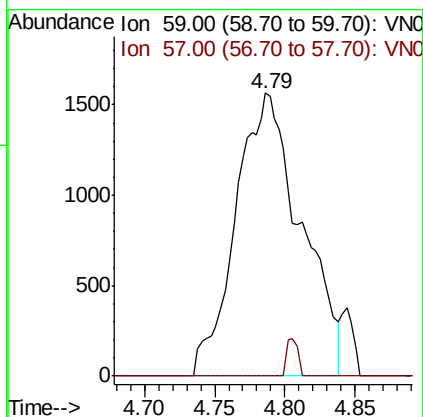
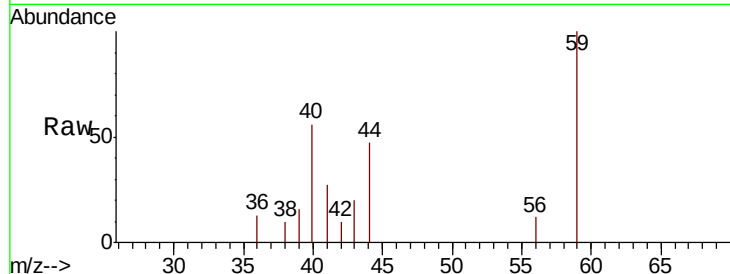




#11
Tert butyl alcohol
Concen: 20.010 ug/l
RT: 4.79 min Scan# 937
Delta R.T. 0.00 min
Lab File: VN055345.D
Acq: 2 May 2019 12:58

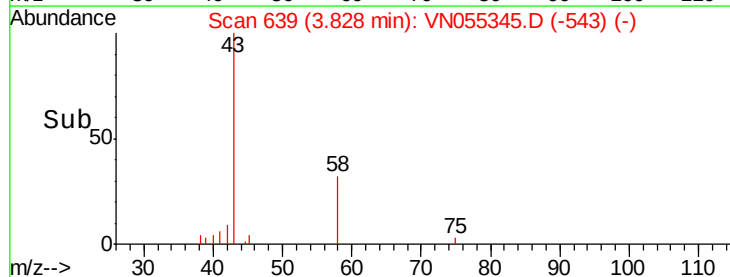
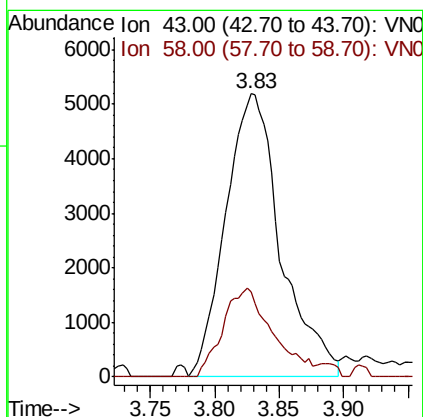
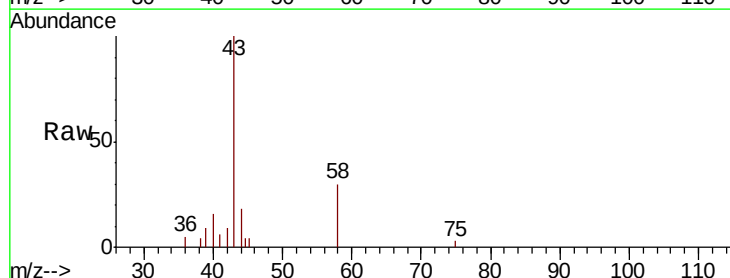
Instrument :
MSVOA_N
ClientSampleId :
EP1-PZ-FD-01

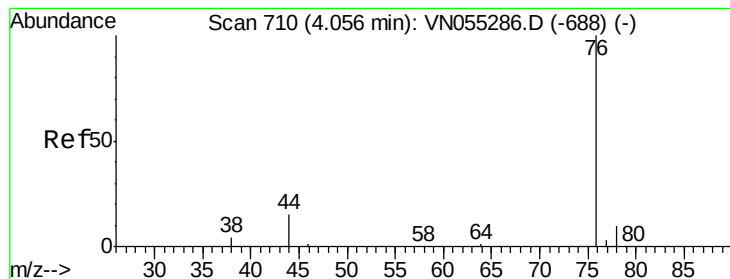
Tot Ion: 59 Resp: 5060
Ion Ratio Lower Upper
59 100
57 2.2 8.2 12.2#



#16
Acetone
Concen: 11.237 ug/l
RT: 3.83 min Scan# 639
Delta R.T. 0.01 min
Lab File: VN055345.D
Acq: 2 May 2019 12:58

Tgt Ion: 43 Resp: 15465
Ion Ratio Lower Upper
43 100
58 30.2 23.6 35.4





#17

Carbon Disulfide

Concen: 0.479 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: VN055345.D

Acq: 2 May 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

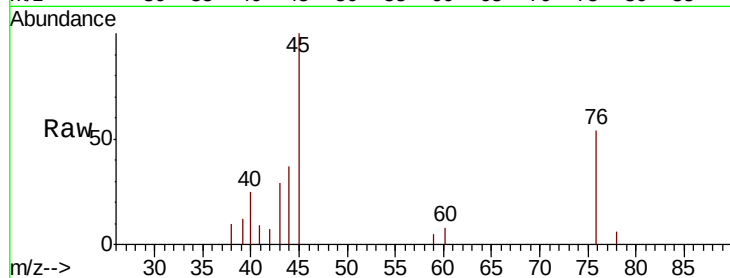
EP1-PZ-FD-01

Tot Ion: 76 Resp: 4172

Ion Ratio Lower Upper

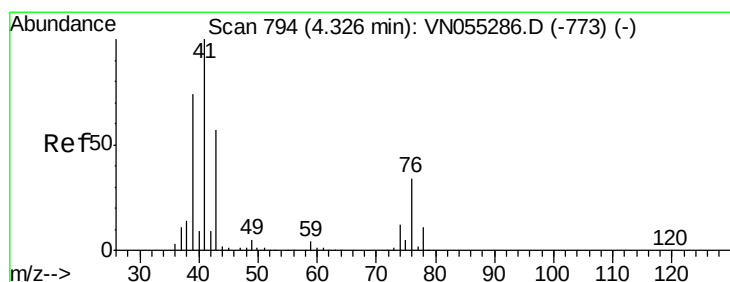
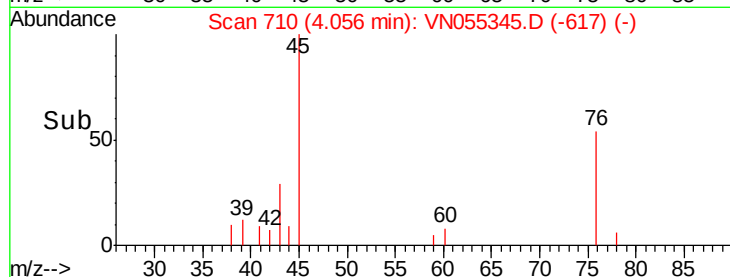
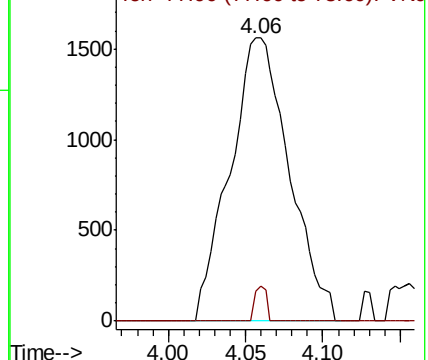
76 100

78 10.4 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: 2.060 ug/l

RT: 4.34 min Scan# 797

Delta R.T. 0.01 min

Lab File: VN055345.D

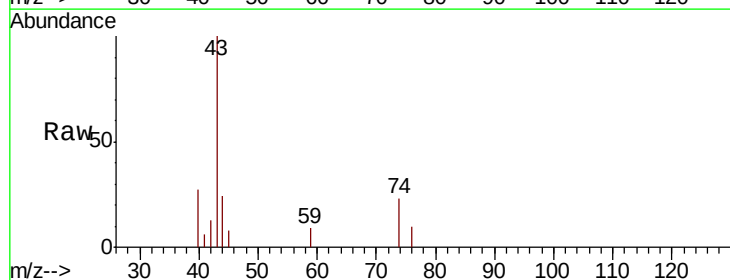
Acq: 2 May 2019 12:58

Tgt Ion: 43 Resp: 10236

Ion Ratio Lower Upper

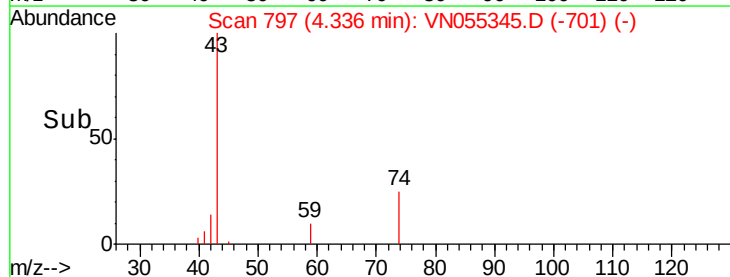
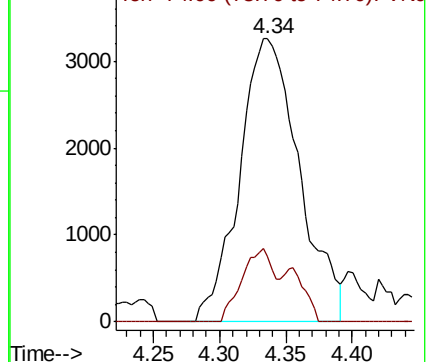
43 100

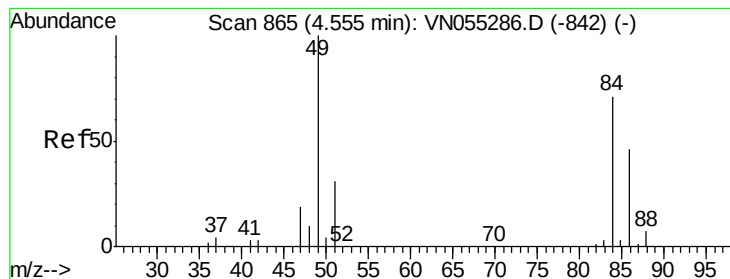
74 13.4 15.8 23.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





#20

Methvlene Chloride

Concen: 0.508 ug/l

RT: 4.55 min Scan# 865

Delta R.T. 0.00 min

Lab File: VN055345.D

Acq: 2 May 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

EP1-PZ-FD-01

Tot Ion: 84 Resp: 2133

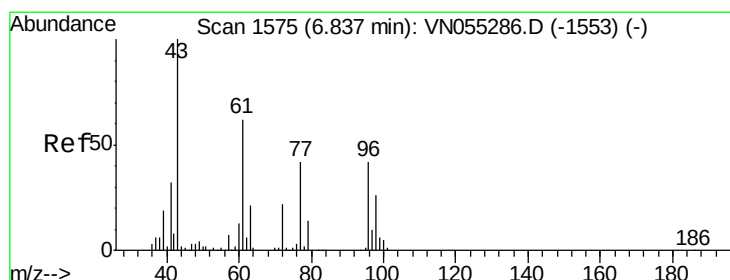
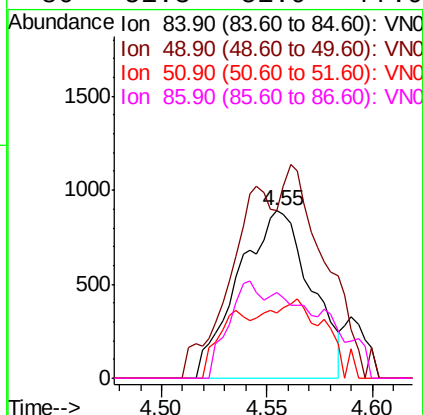
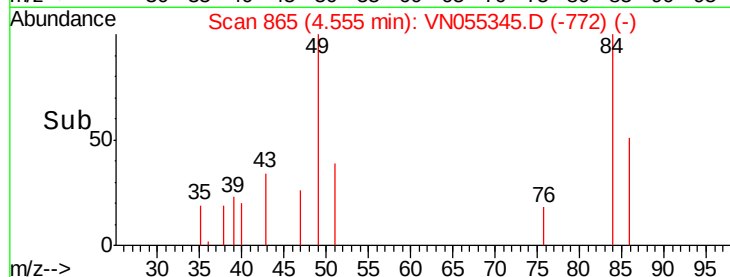
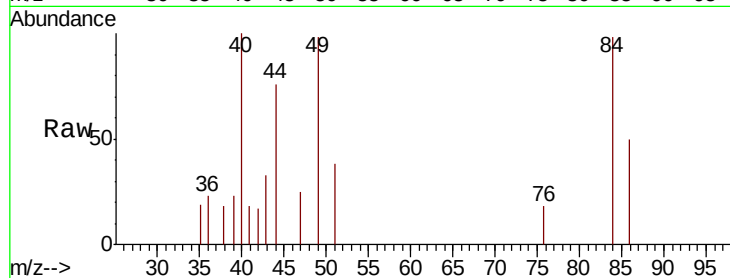
Ion Ratio Lower Upper

84 100

49 82.4 112.4 168.6#

51 39.1 34.6 51.8

86 51.3 51.9 77.9#



#25

2-Butanone

Concen: 20.559 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. 0.01 min

Lab File: VN055345.D

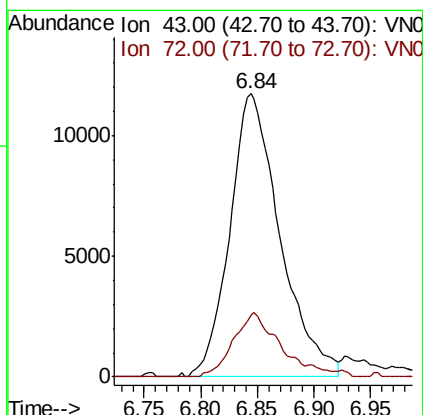
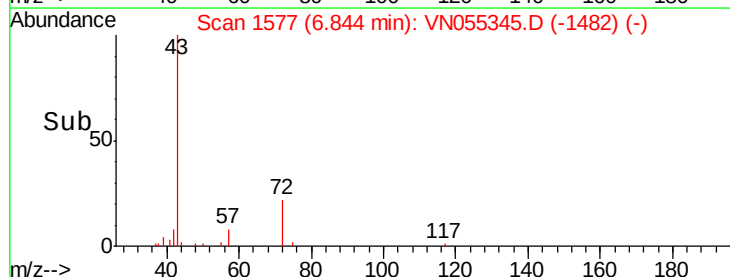
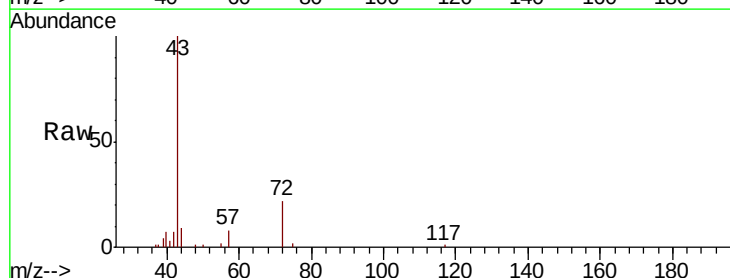
Acq: 2 May 2019 12:58

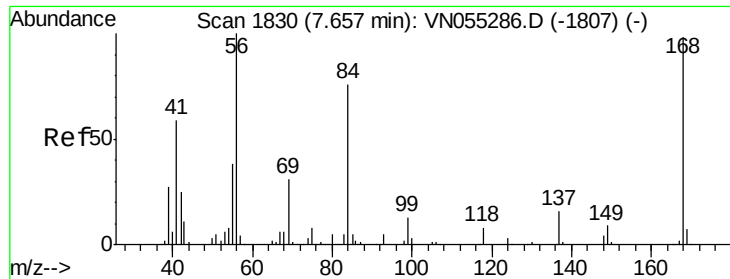
Tgt Ion: 43 Resp: 36185

Ion Ratio Lower Upper

43 100

72 21.7 18.0 27.0

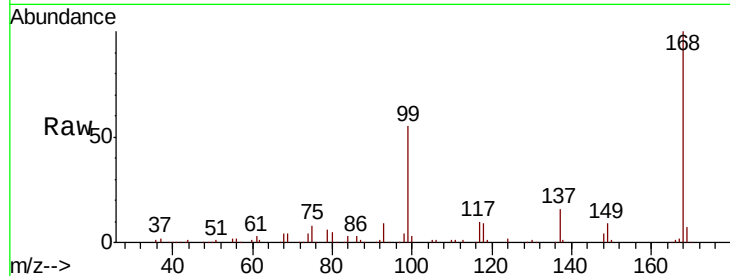




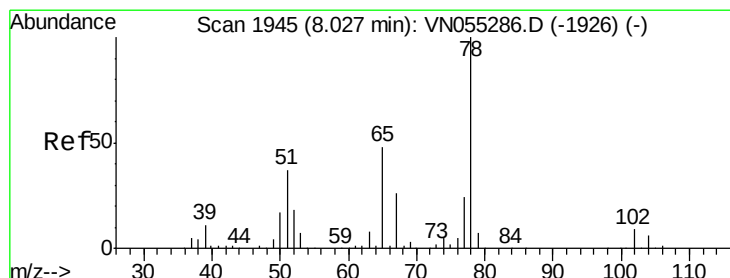
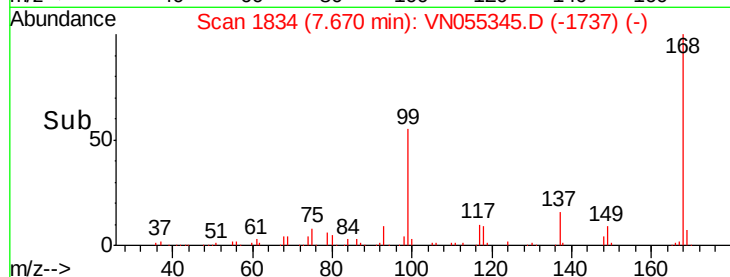
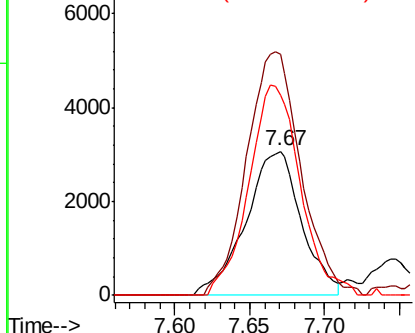
#31
Cyclohexane
Concen: 1.143 ug/l
RT: 7.67 min Scan# 1834
Delta R.T. 0.01 min
Lab File: VN055345.D
Acq: 2 May 2019 12:58

Instrument :
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ClientSampleId :
EP1-PZ-FD-01

Tot Ion: 56 Resp: 7944
Ion Ratio Lower Upper
56 100
69 166.6 25.2 37.8#
84 138.2 61.1 91.7#

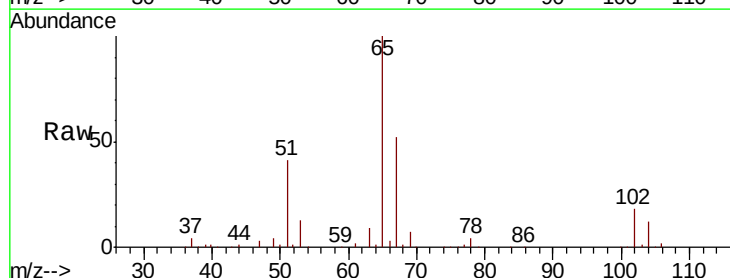


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

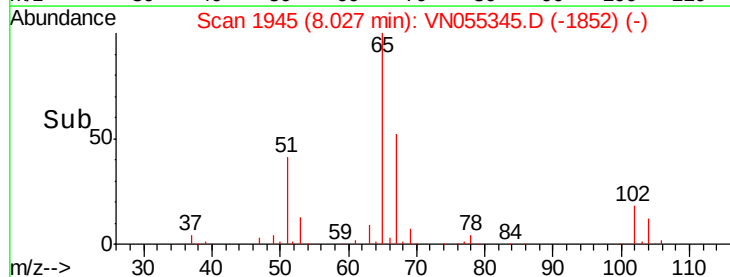
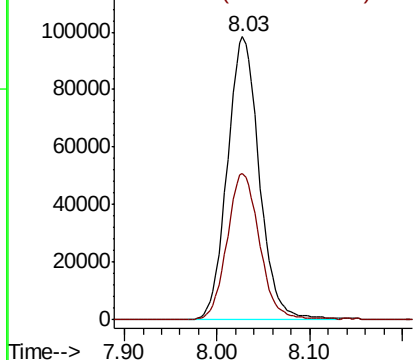


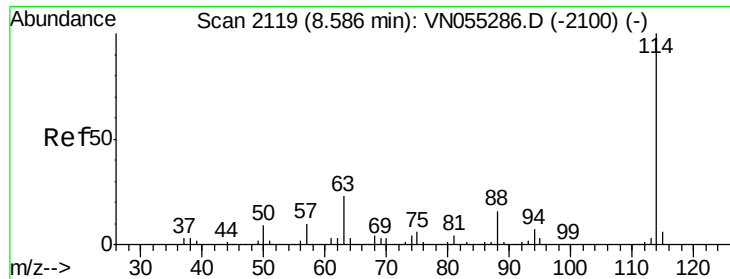
#33
1,2-Dichloroethane-d4
Concen: 53.287 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN055345.D
Acq: 2 May 2019 12:58

Tgt Ion: 65 Resp: 235364
Ion Ratio Lower Upper
65 100
67 52.6 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

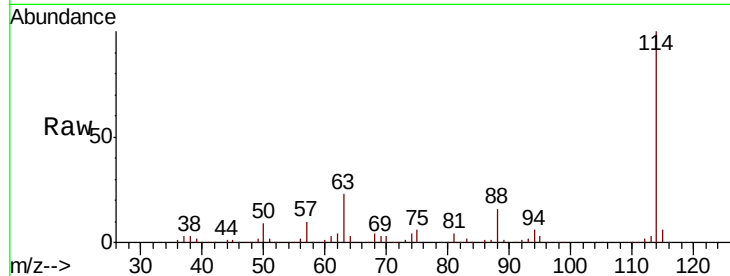




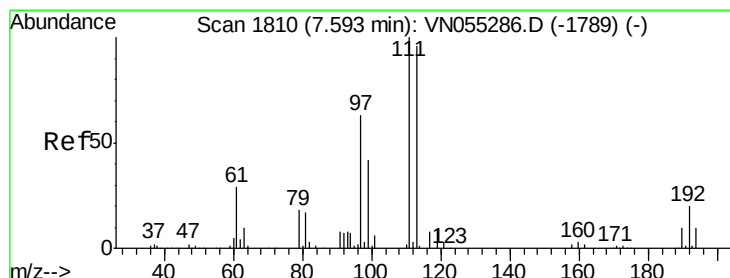
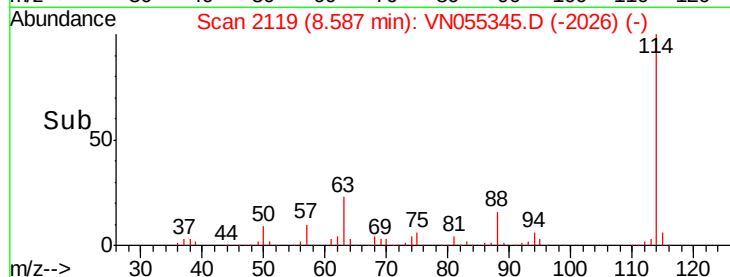
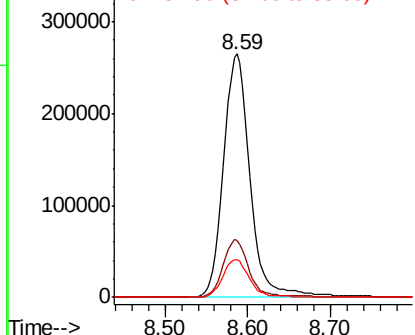
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. 0.00 min
Lab File: VN055345.D
Acq: 2 May 2019 12:58

Instrument :
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EP1-PZ-FD-01

Tot Ion	Ratio	Lower	Upper
114	100		
63	23.5	0.0	45.2
88	15.6	0.0	31.6

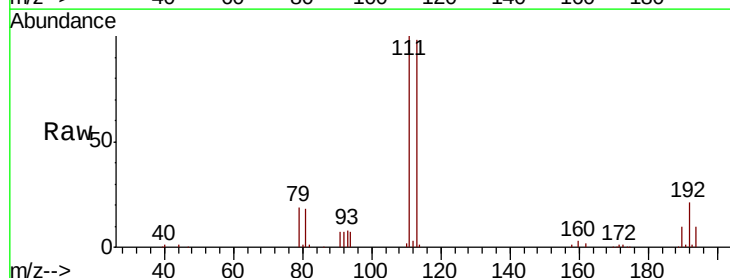


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

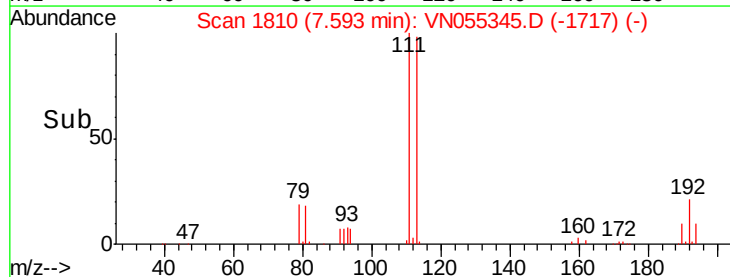
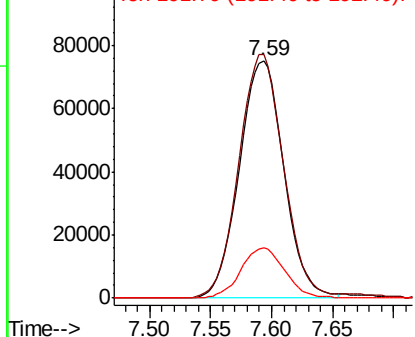


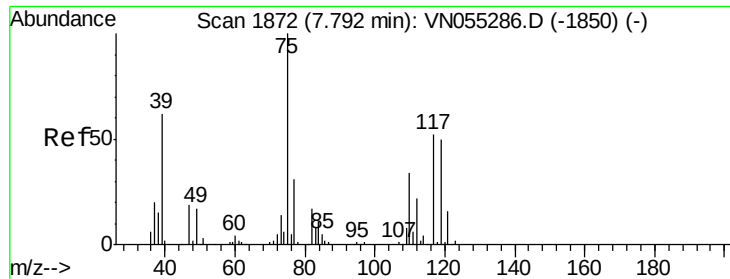
#35
Dibromofluoromethane
Concen: 49.251 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN055345.D
Acq: 2 May 2019 12:58

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.3	123.5
192	21.0	17.0	25.6



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

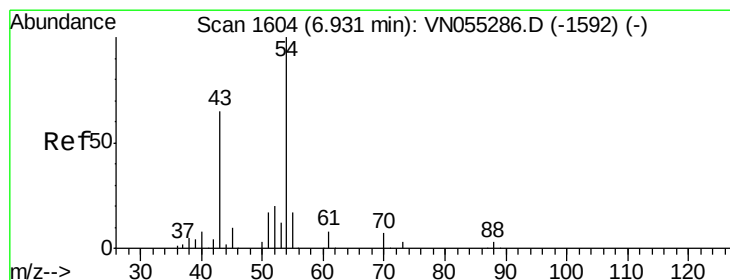
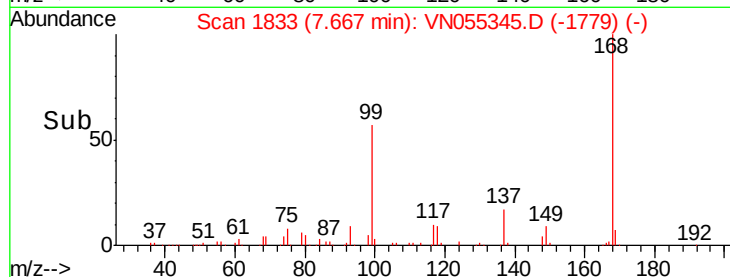
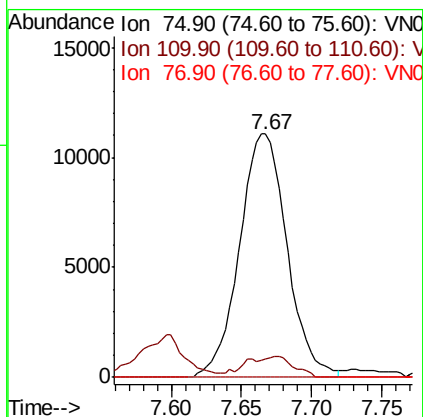
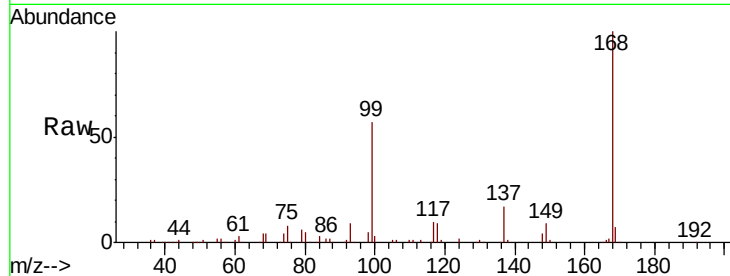




#36
 1,1-Dichloropropene
 Concen: 4.629 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN055345.D
 Acq: 2 May 2019 12:58

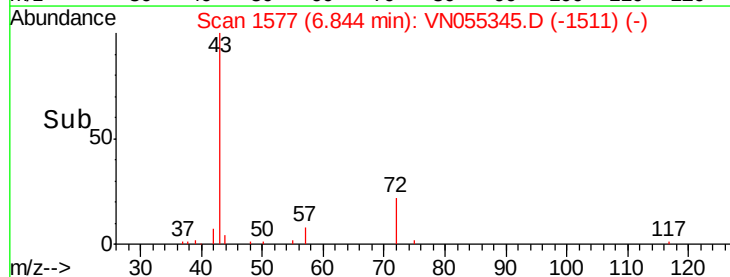
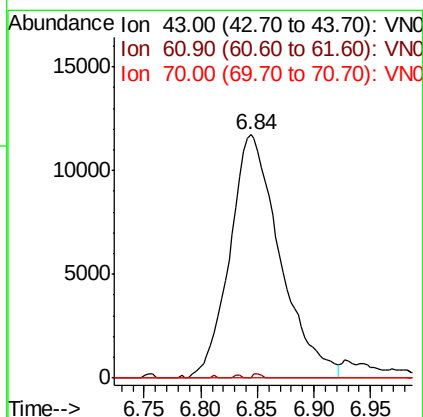
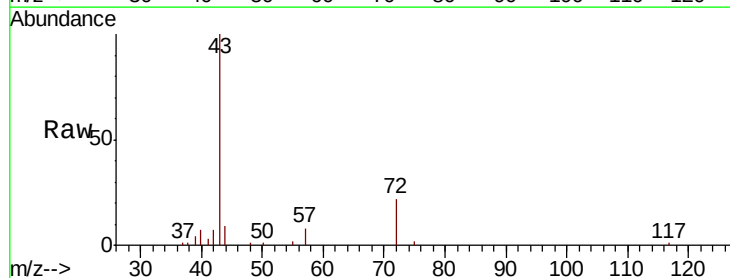
Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-PZ-FD-01

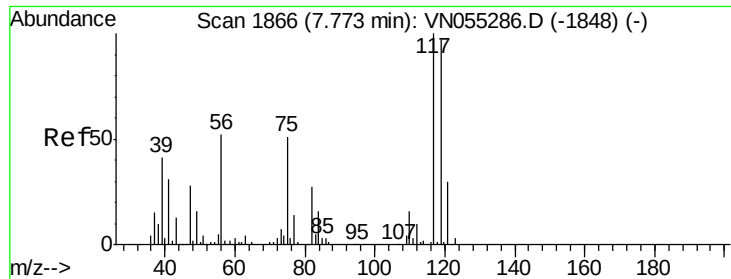
Tot Ion: 75 Resp: 26110
 Ion Ratio Lower Upper
 75 100
 110 1.8 16.8 50.4#
 77 0.0 25.0 37.6#



#37
 Ethyl Acetate
 Concen: 8.371 ug/l
 RT: 6.84 min Scan# 1577
 Delta R.T. -0.09 min
 Lab File: VN055345.D
 Acq: 2 May 2019 12:58

Tgt Ion: 43 Resp: 36185
 Ion Ratio Lower Upper
 43 100
 61 0.3 10.4 15.6#
 70 0.0 6.6 10.0#





#38

Carbon Tetrachloride

Concen: 5.954 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN055345.D

Acq: 2 May 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

EP1-PZ-FD-01

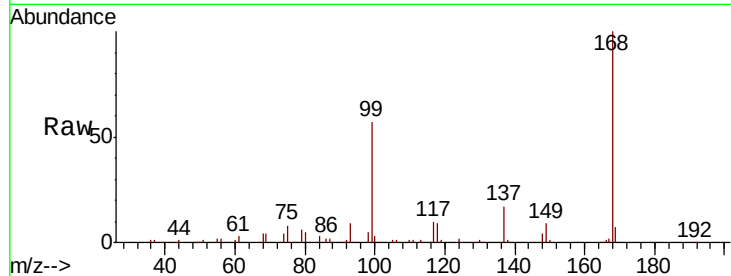
Tot Ion:117 Resp: 32395

Ion Ratio Lower Upper

117 100

119 6.4 77.0 115.6#

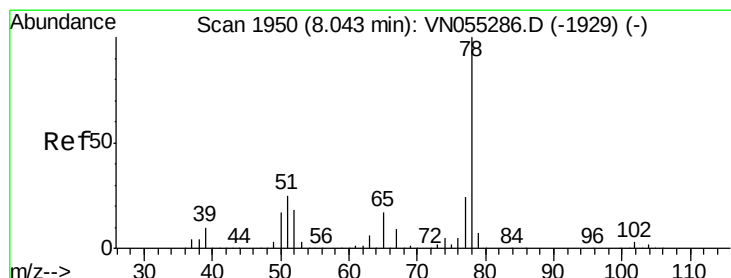
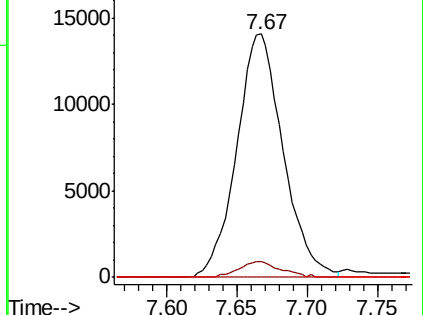
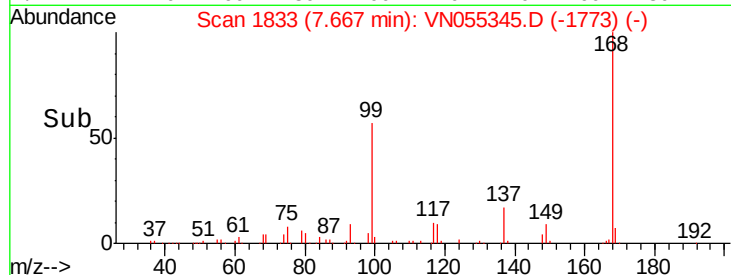
121 0.0 23.8 35.8#



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: 1.007 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. 0.00 min

Lab File: VN055345.D

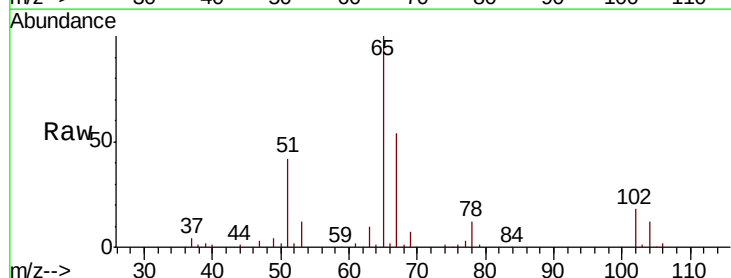
Acq: 2 May 2019 12:58

Tgt Ion: 78 Resp: 16750

Ion Ratio Lower Upper

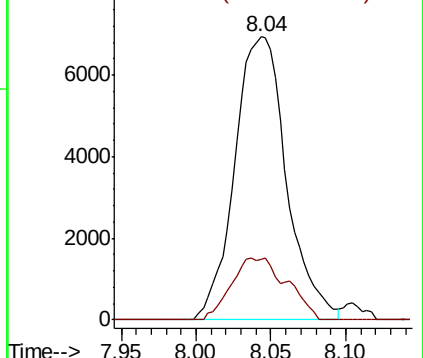
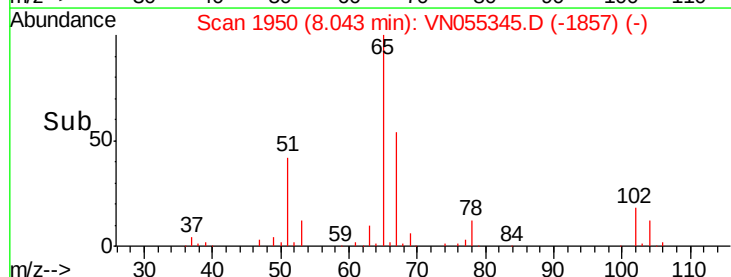
78 100

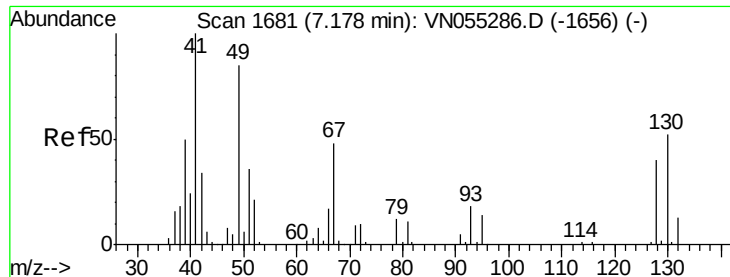
77 21.6 19.0 28.6



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

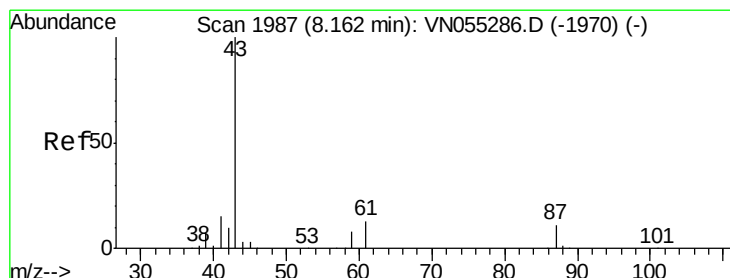
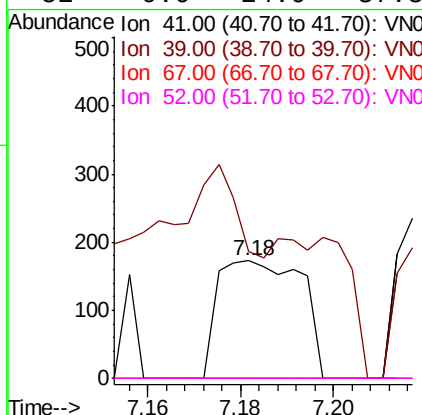
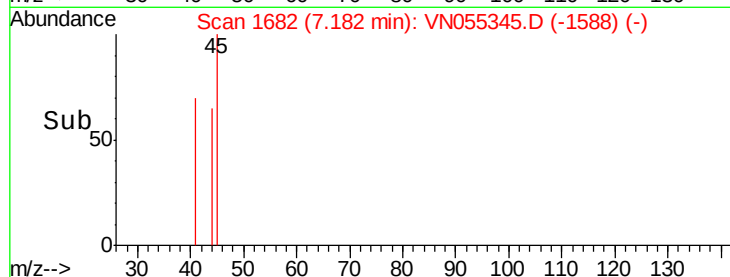
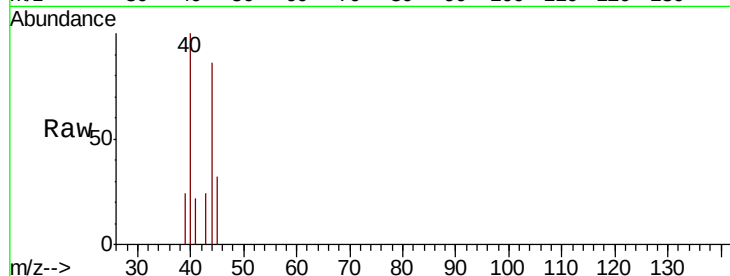




#41
Methacrylonitrile
Concen: 0.832 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VN055345.D
Acq: 2 May 2019 12:58

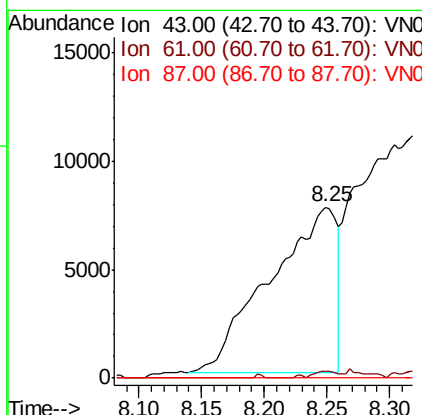
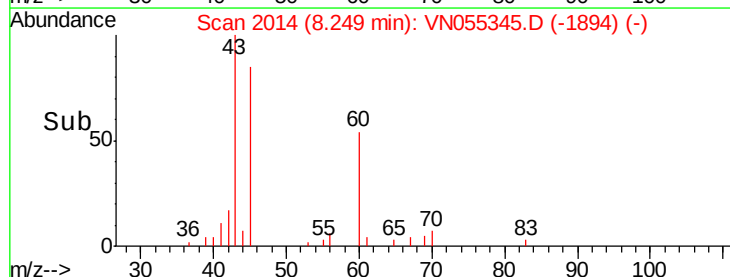
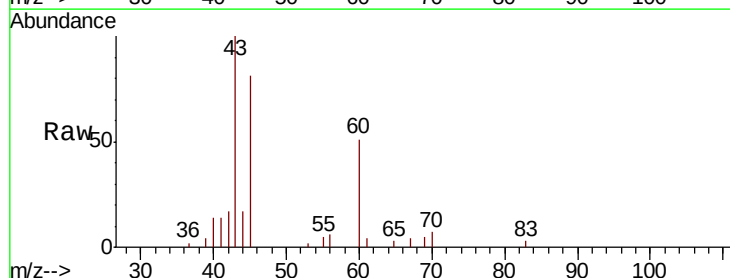
Instrument :
MSVOA_N
ClientSampled :
EP1-PZ-FD-01

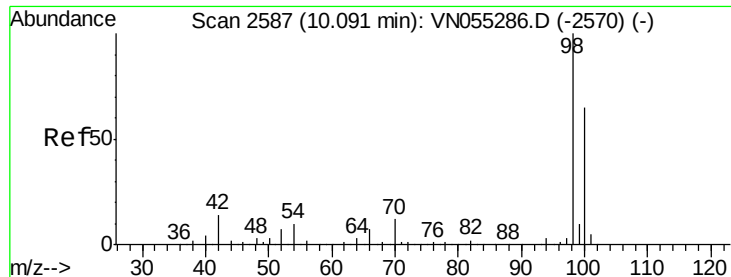
Tot Ion: 41 Resp: 218
Ion Ratio Lower Upper
41 100
39 50.5 48.5 72.7
67 0.0 54.9 82.3#
52 0.0 24.9 37.3#



#43
Isopropyl Acetate
Concen: 4.030 ug/l
RT: 8.25 min Scan# 2014
Delta R.T. 0.09 min
Lab File: VN055345.D
Acq: 2 May 2019 12:58

Tgt Ion: 43 Resp: 28000
Ion Ratio Lower Upper
43 100
61 1.5 20.8 31.2#
87 0.0 8.5 12.7#





#50

Toluene-d8

Concen: 52.237 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055345.D

Acq: 2 May 2019 12:58

Instrument :

MSVOA_N

ClientSampled :

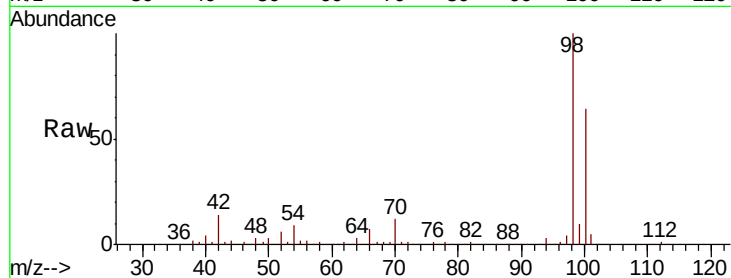
EP1-PZ-FD-01

Tot Ion: 98 Resp: 729035

Ion Ratio Lower Upper

98 100

100 63.8 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

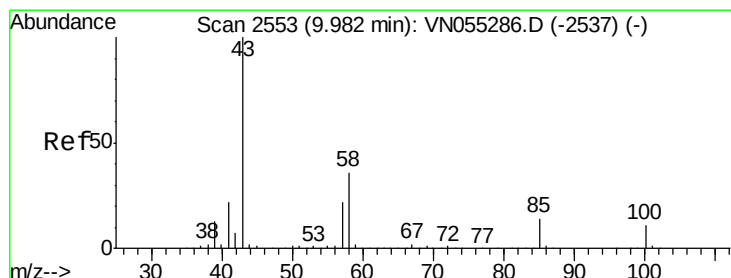
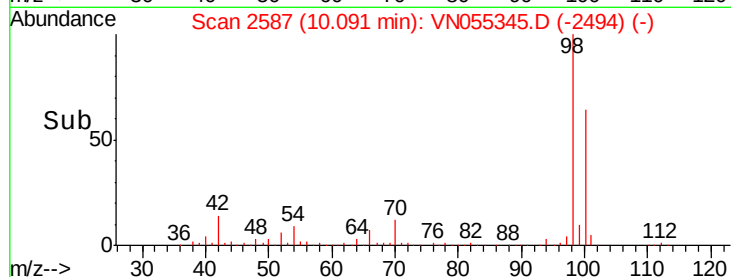
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.593 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055345.D

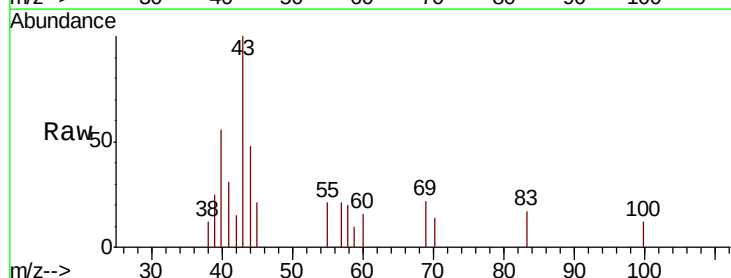
Acq: 2 May 2019 12:58

Tgt Ion: 43 Resp: 2318

Ion Ratio Lower Upper

43 100

58 26.1 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

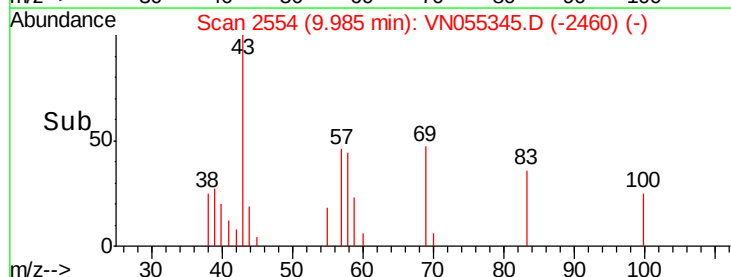
1500

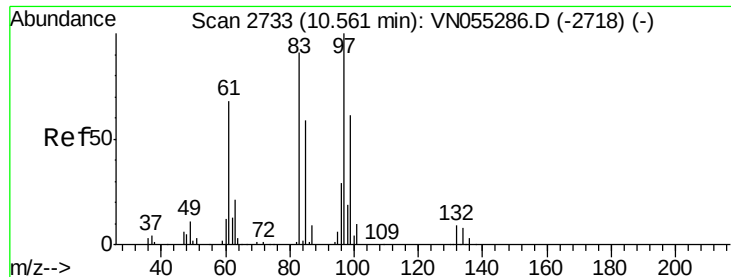
1000

500

0

Time-->

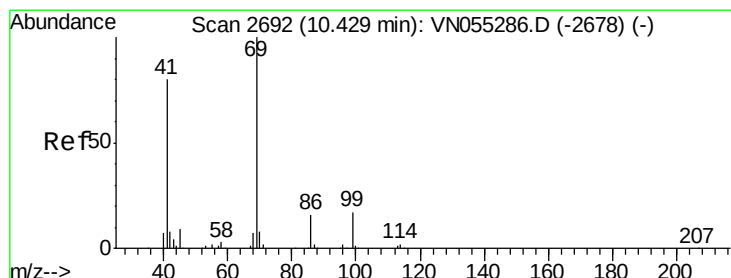
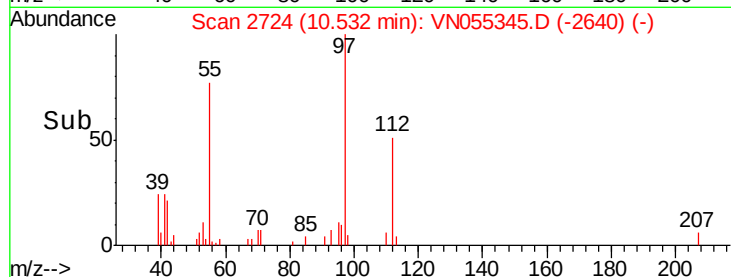
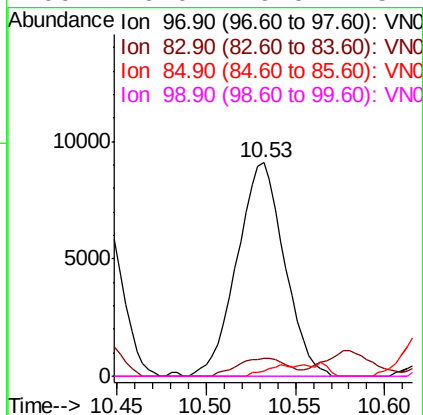
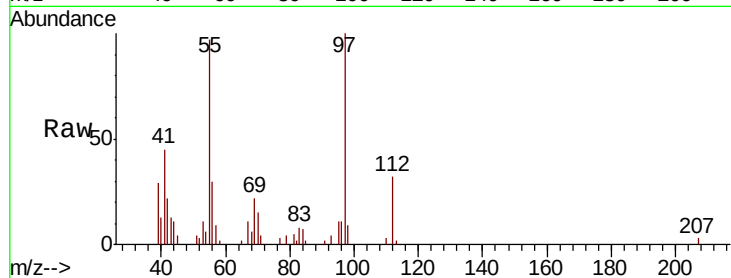




#55
 1,1,2-Trichloroethane
 Concen: 4.756 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.03 min
 Lab File: VN055345.D
 Acq: 2 May 2019 12:58

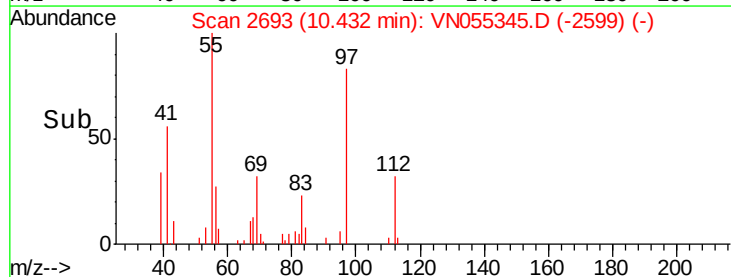
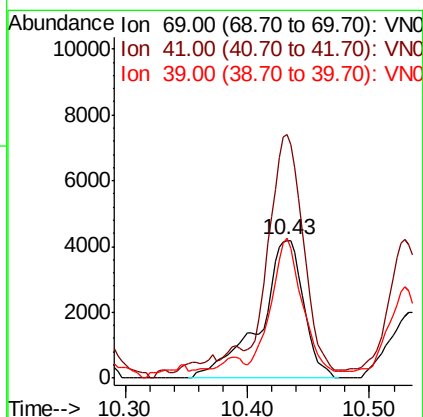
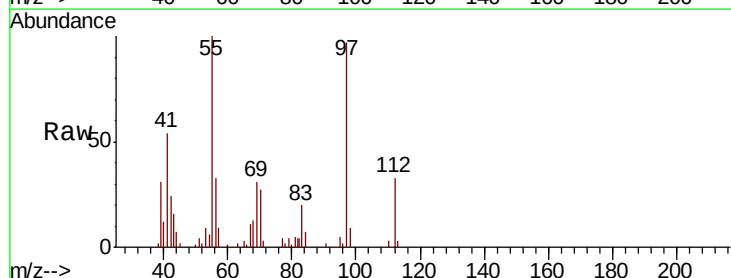
Instrument :
 MSVOA_N
 ClientSampled :
 EP1-PZ-FD-01

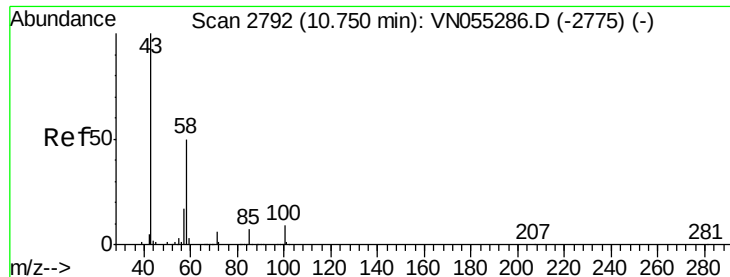
Tot Ion	97	Resp	16849
Ion	Ratio	Lower	Upper
97	100		
83	8.3	72.8	109.2#
85	2.3	47.0	70.6#
99	0.0	49.0	73.4#



#56
 Ethyl methacrylate
 Concen: 2.402 ug/l
 RT: 10.43 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN055345.D
 Acq: 2 May 2019 12:58

Tgt Ion	69	Resp	10475
Ion	Ratio	Lower	Upper
69	100		
41	133.3	62.7	94.1#
39	68.5	32.0	48.0#

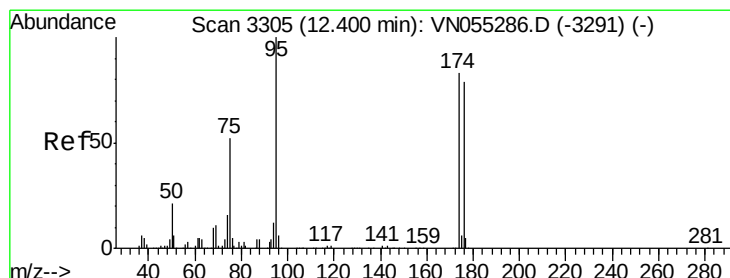
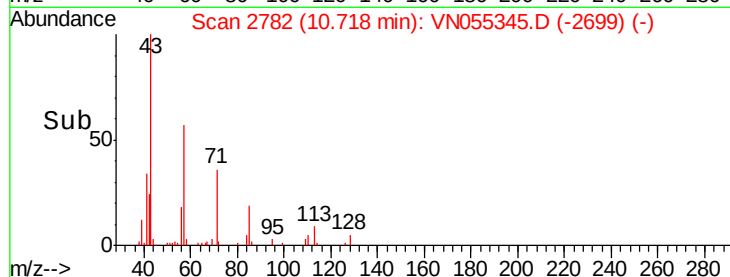
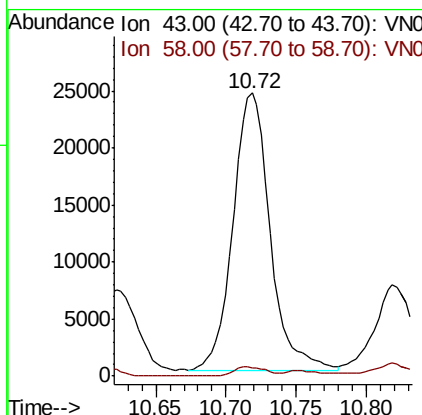
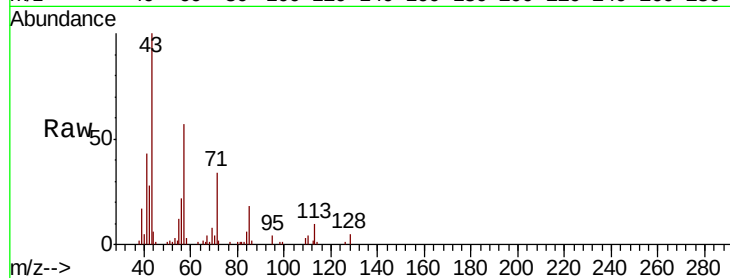




#59
2-Hexanone
Concen: 18.414 ug/l
RT: 10.72 min Scan# 2782
Delta R.T. -0.03 min
Lab File: VN055345.D
Acq: 2 May 2019 12:58

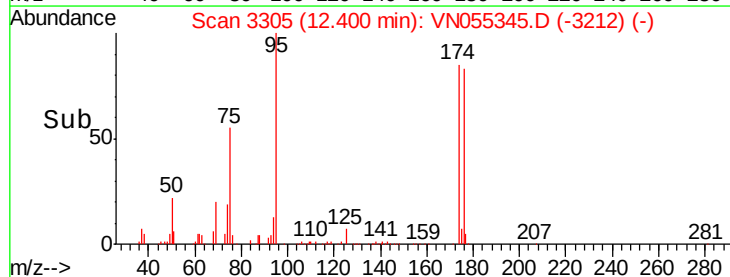
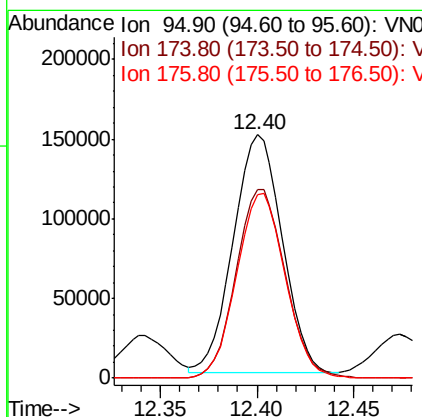
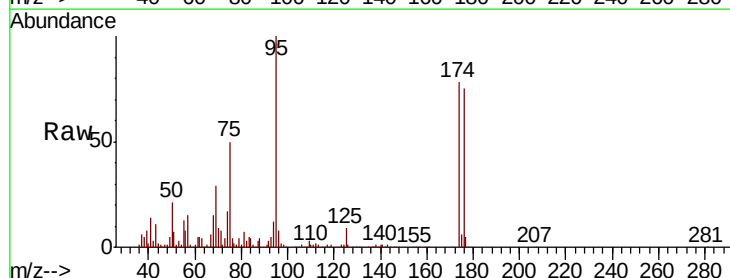
Instrument :
MSVOA_N
ClientSampled :
EP1-PZ-FD-01

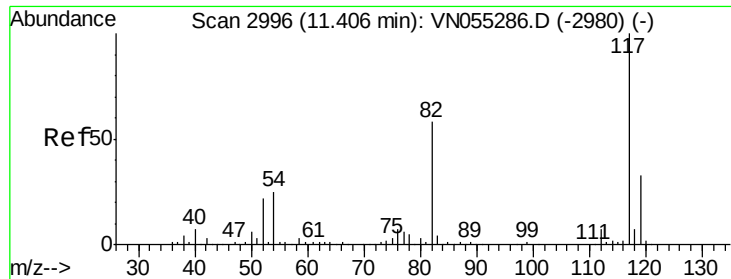
Tot Ion: 43 Resp: 45064
Ion Ratio Lower Upper
43 100
58 2.9 24.9 74.6#



#62
4-Bromofluorobenzene
Concen: 60.292 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN055345.D
Acq: 2 May 2019 12:58

Tgt Ion: 95 Resp: 262986
Ion Ratio Lower Upper
95 100
174 79.9 0.0 166.6
176 77.6 0.0 157.8

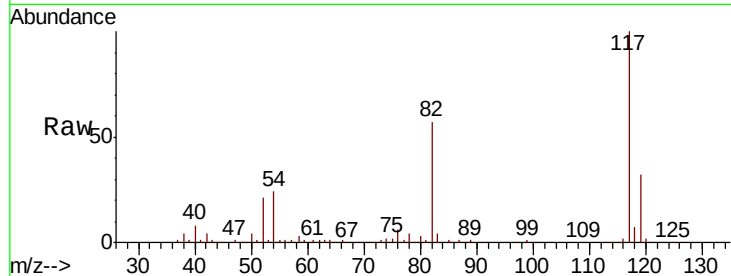




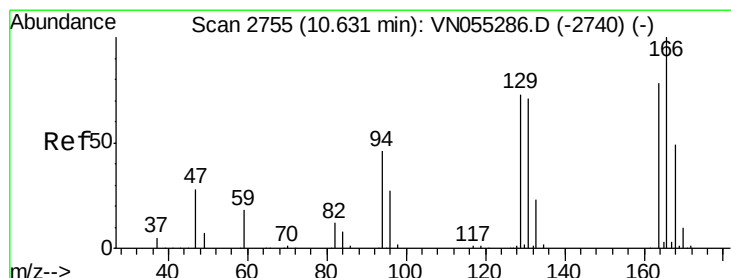
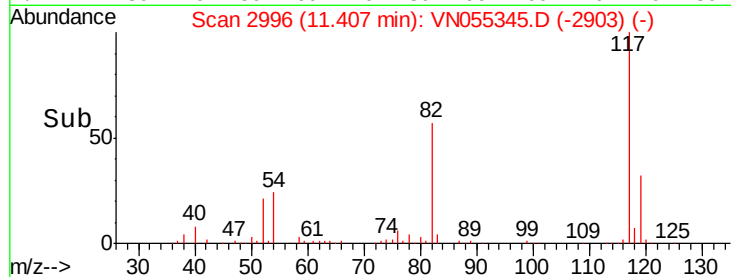
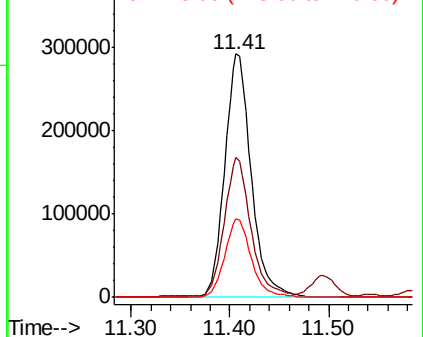
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055345.D
Acq: 2 May 2019 12:58

Instrument :
MSVOA_N
ClientSampled :
EP1-PZ-FD-01

Tot Ion:117 Resp: 549703
Ion Ratio Lower Upper
117 100
82 56.8 46.2 69.4
119 32.4 26.6 40.0

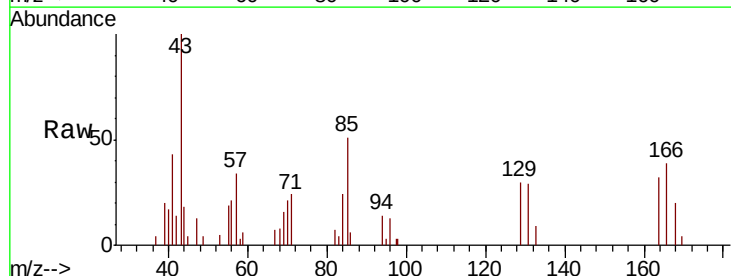


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

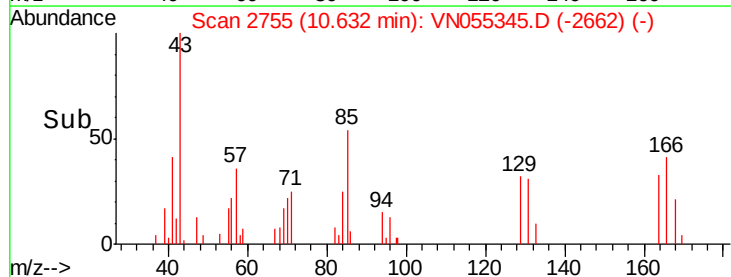
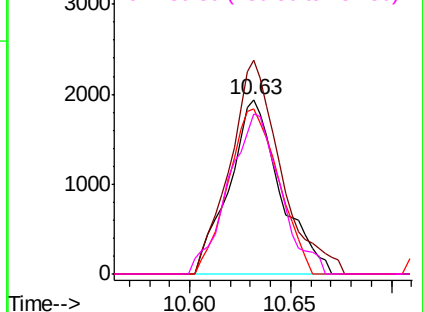


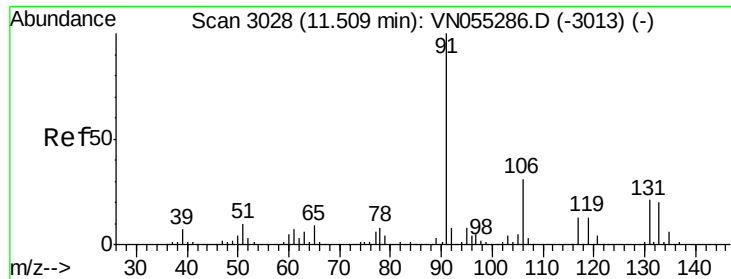
#64
Tetrachloroethene
Concen: 0.763 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055345.D
Acq: 2 May 2019 12:58

Tgt Ion:164 Resp: 3431
Ion Ratio Lower Upper
164 100
166 122.2 102.3 153.5
129 94.7 75.0 112.6
131 91.6 72.7 109.1



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

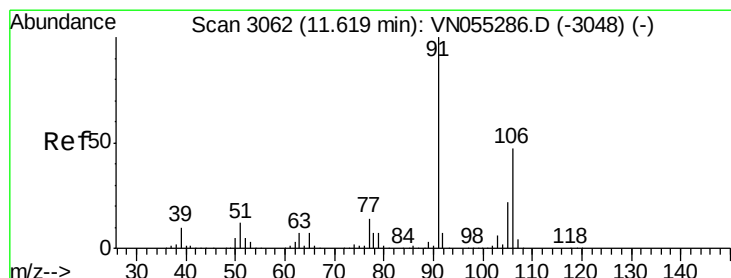
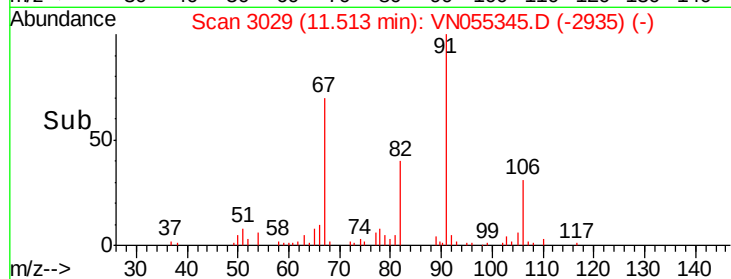
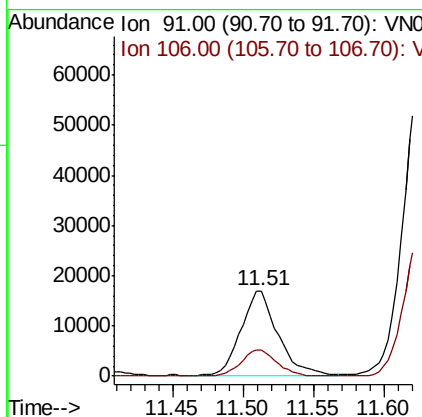
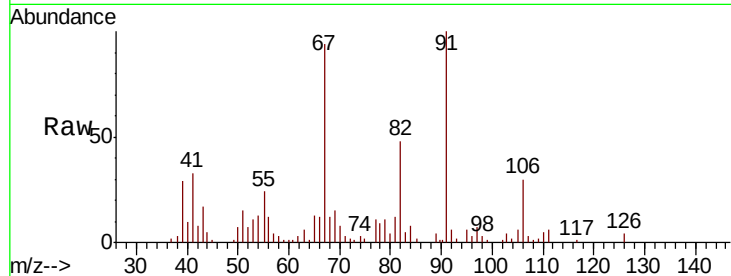




#67
Ethyl Benzene
Concen: 1.637 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN055345.D
Acq: 2 May 2019 12:58

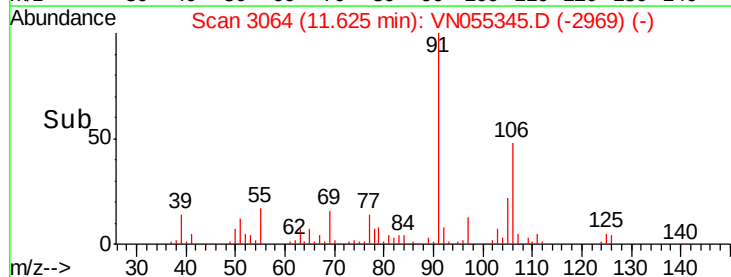
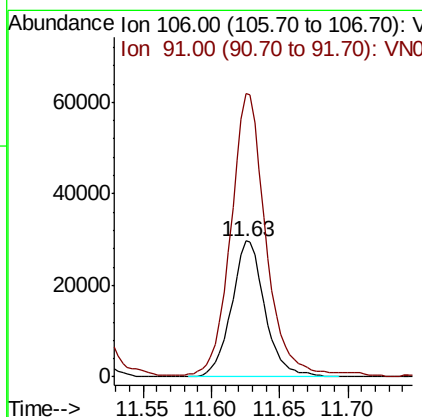
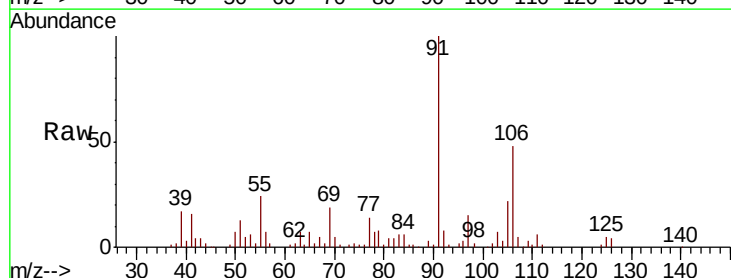
Instrument :
MSVOA_N
ClientSampled :
EP1-PZ-FD-01

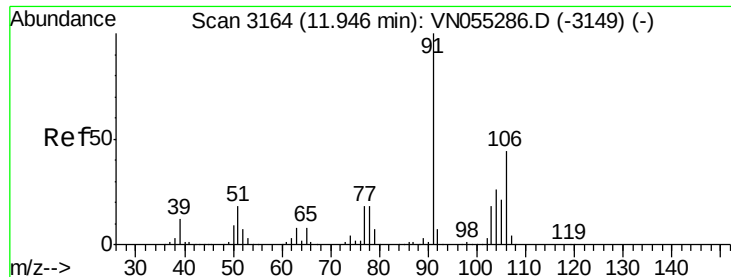
Tot Ion: 91 Resp: 31779
Ion Ratio Lower Upper
91 100
106 30.1 24.6 36.8



#68
m/p-Xylenes
Concen: 7.275 ug/l
RT: 11.63 min Scan# 3064
Delta R.T. 0.01 min
Lab File: VN055345.D
Acq: 2 May 2019 12:58

Tgt Ion: 106 Resp: 50396
Ion Ratio Lower Upper
106 100
91 215.9 169.5 254.3

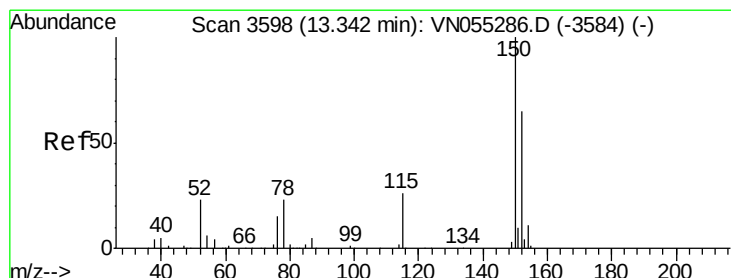
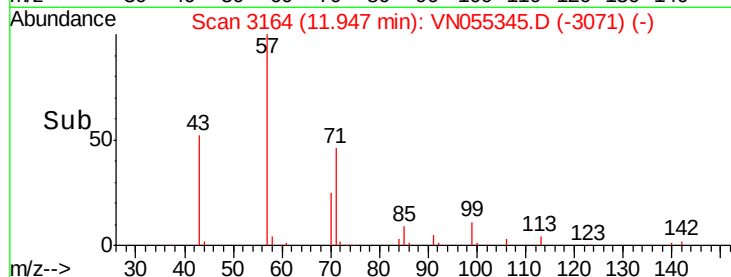
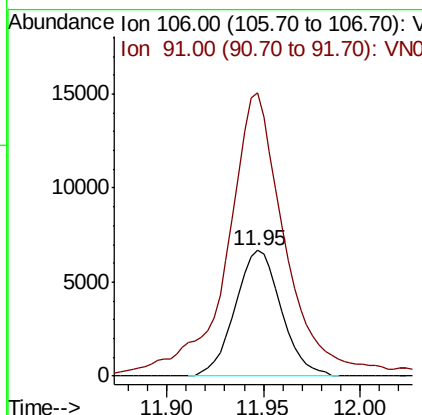
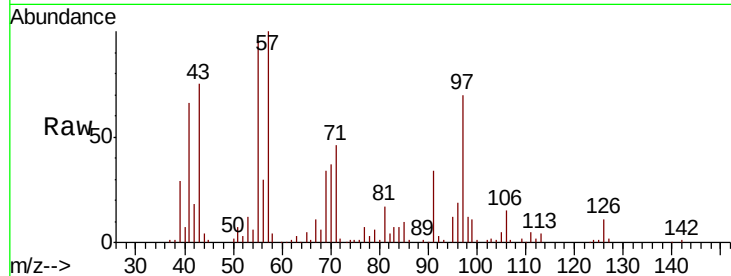




#69
o-Xylene
Concen: 1.616 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055345.D
Acq: 2 May 2019 12:58

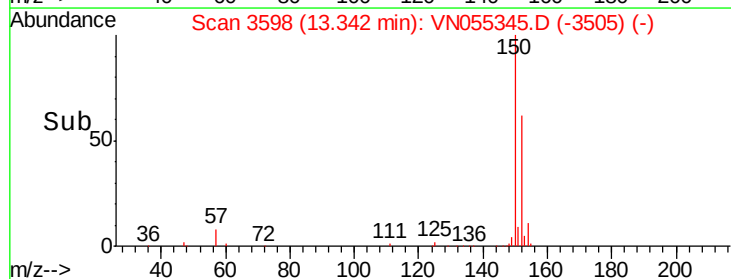
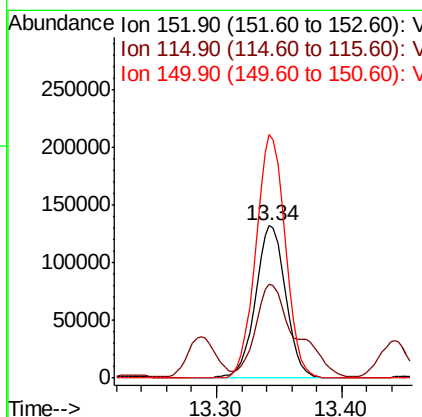
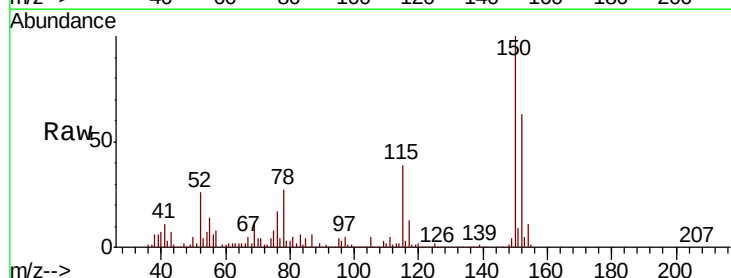
Instrument :
MSVOA_N
ClientSampled :
EP1-PZ-FD-01

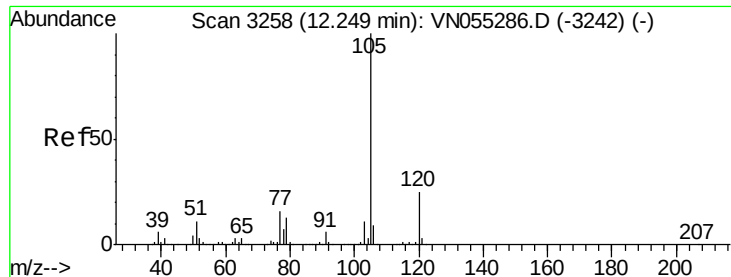
Tot Ion:106 Resp: 11097
Ion Ratio Lower Upper
106 100
91 286.2 111.5 334.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055345.D
Acq: 2 May 2019 12:58

Tgt Ion:152 Resp: 220412
Ion Ratio Lower Upper
152 100
115 80.4 29.0 87.0
150 156.5 0.0 345.6





#73

Isopropylbenzene

Concen: 186.116 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055345.D

Acq: 2 May 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

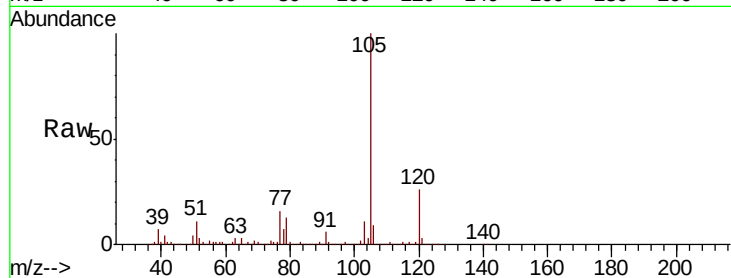
EP1-PZ-FD-01

Tot Ion:105 Resp: 3113153

Ion Ratio Lower Upper

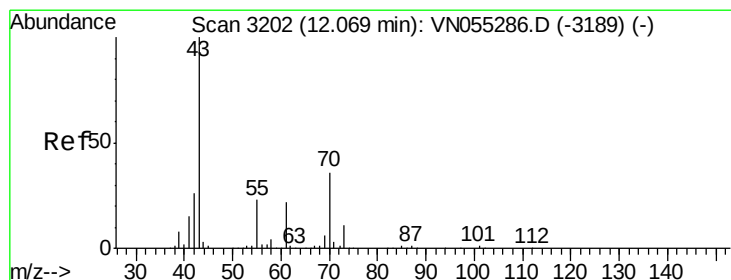
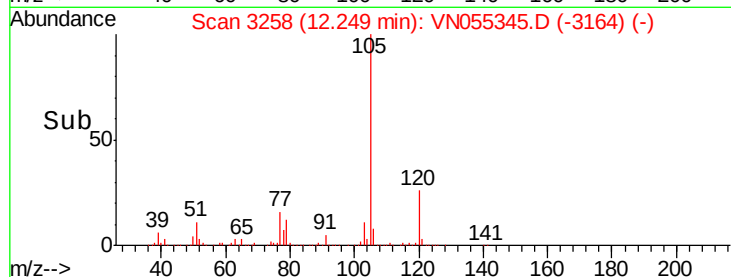
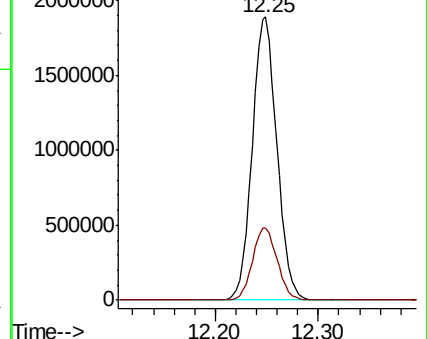
105 100

120 25.7 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: 48.589 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.03 min

Lab File: VN055345.D

Acq: 2 May 2019 12:58

Tgt Ion: 43 Resp: 274847

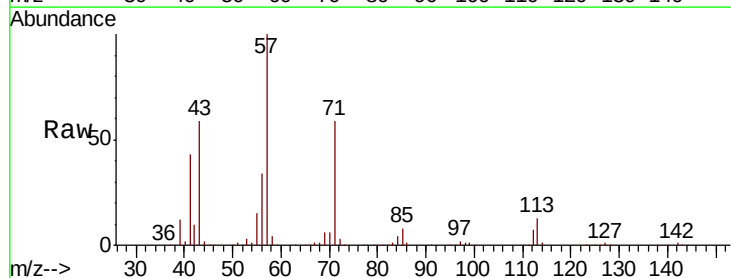
Ion Ratio Lower Upper

43 100

70 8.7 27.9 41.9#

55 21.7 18.2 27.2

61 0.0 16.9 25.3#

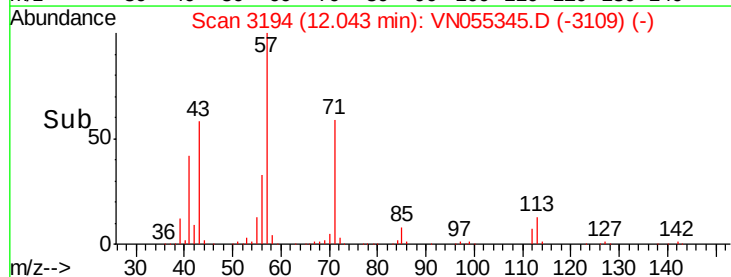
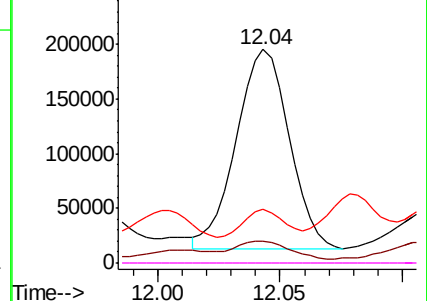


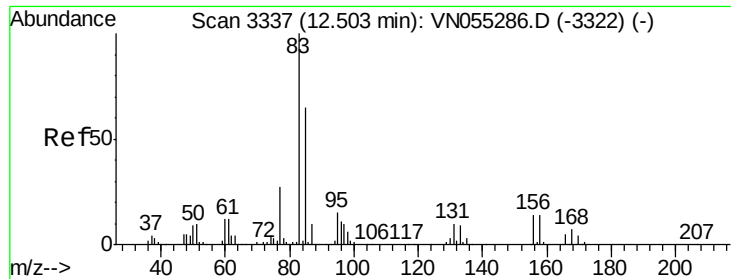
Abundance Ion 43.00 (42.70 to 43.70): V

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: 2.683 ug/l

RT: 12.47 min Scan# 3328

Delta R.T. -0.03 min

Lab File: VN055345.D

Acq: 2 May 2019 12:58

Instrument :

MSVOA_N

ClientSampled :

EP1-PZ-FD-01

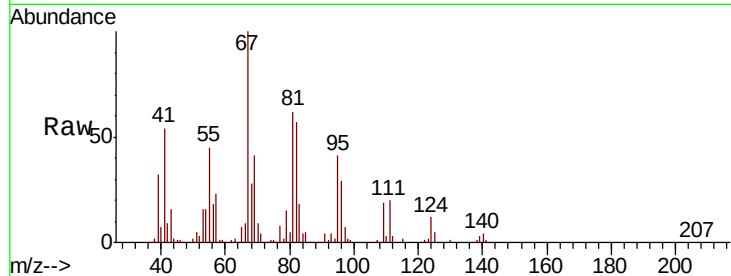
Tot Ion: 83 Resp: 24859

Ion Ratio Lower Upper

83 100

131 0.0 5.1 15.2#

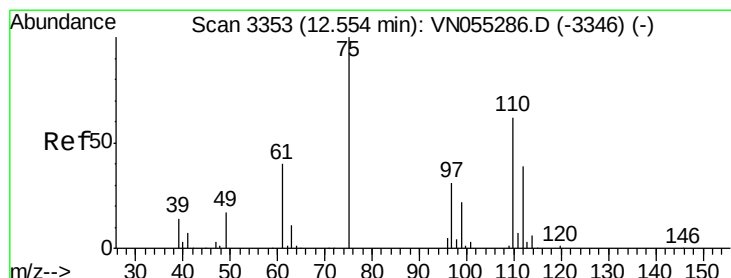
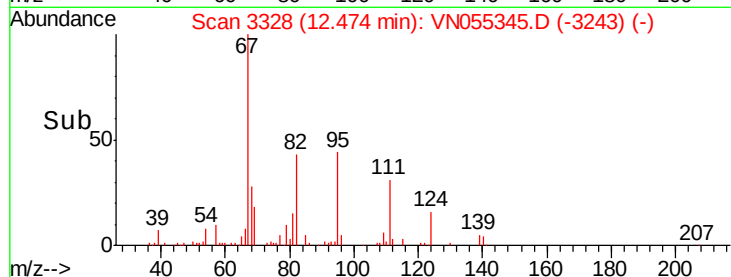
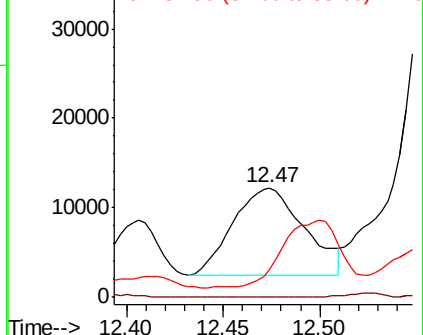
85 0.0 32.3 96.8#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: Below Cal

RT: 12.59 min Scan# 3363

Delta R.T. 0.03 min

Lab File: VN055345.D

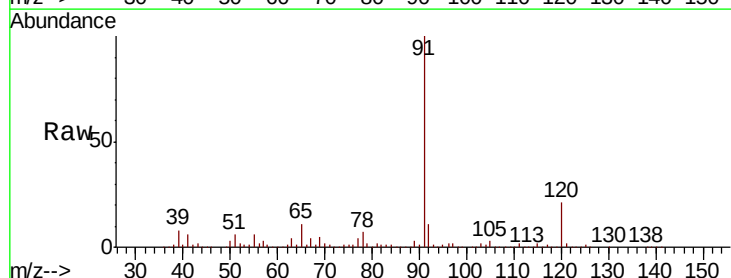
Acq: 2 May 2019 12:58

Tgt Ion: 75 Resp: 6815

Ion Ratio Lower Upper

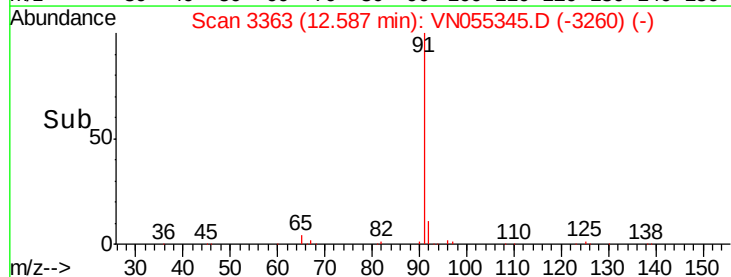
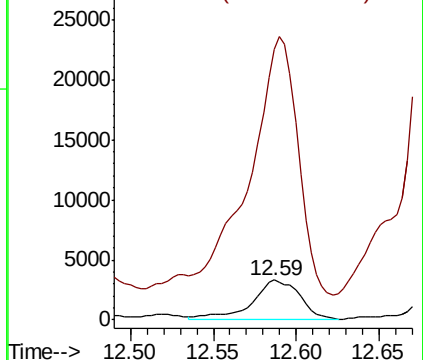
75 100

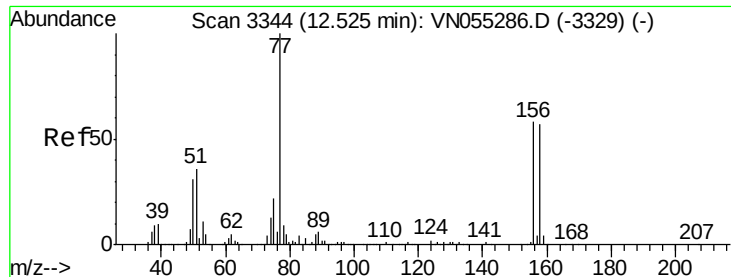
77 735.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: Below Cal

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN055345.D

Acq: 2 May 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

EP1-PZ-FD-01

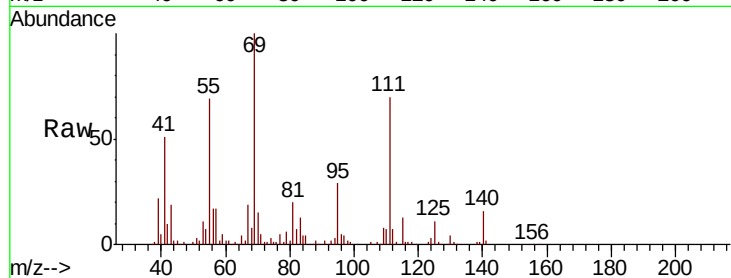
Tot Ion:156 Resp: 69

Ion Ratio Lower Upper

156 100

77 0.0 99.6 298.8#

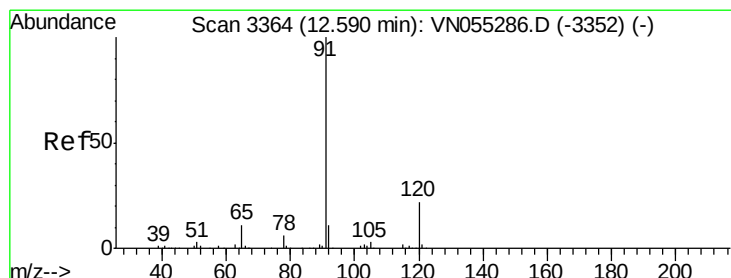
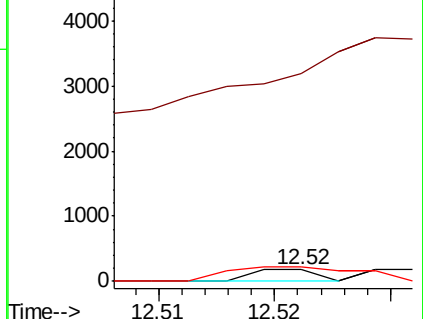
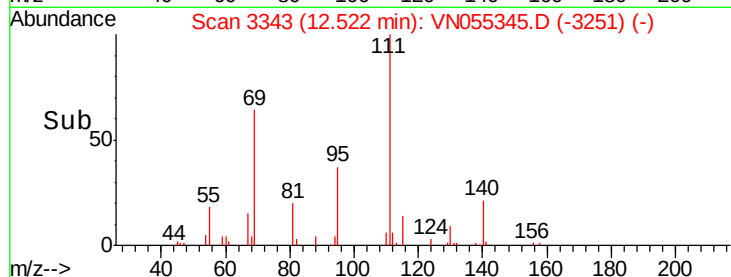
158 256.5 49.3 147.8#



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: 40.320 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055345.D

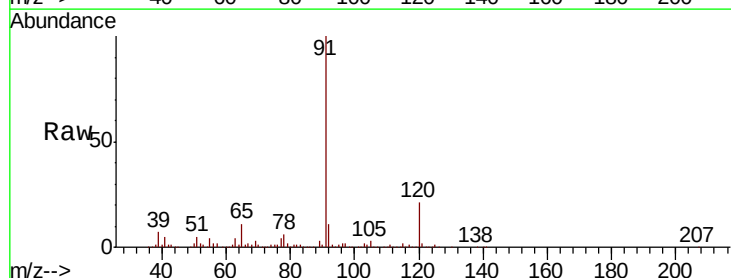
Acq: 2 May 2019 12:58

Tgt Ion: 91 Resp: 912891

Ion Ratio Lower Upper

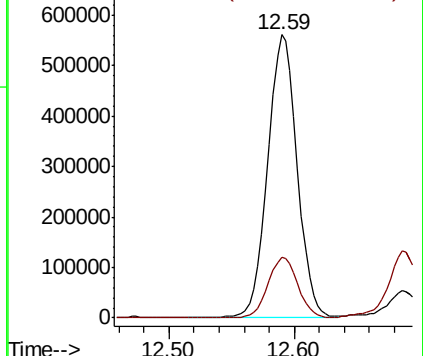
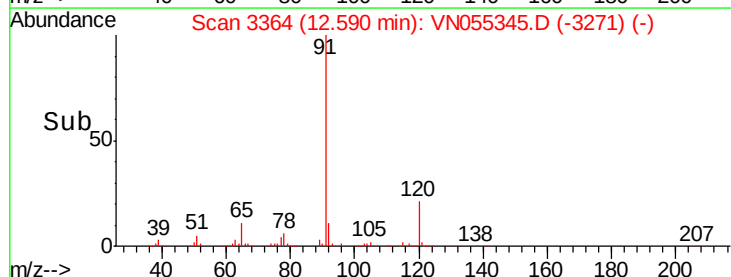
91 100

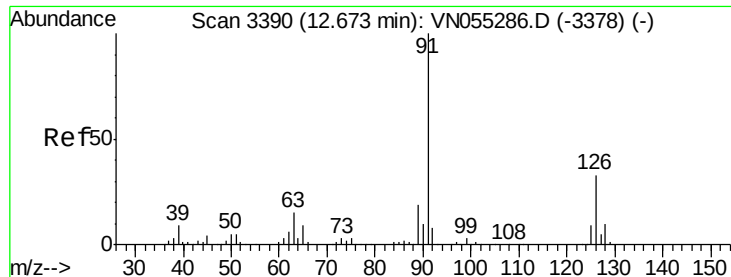
120 21.6 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 4.539 ug/l

RT: 12.69 min Scan# 3394

Delta R.T. 0.01 min

Lab File: VN055345.D

Acq: 2 May 2019 12:58

Instrument :

MSVOA_N

ClientSampled :

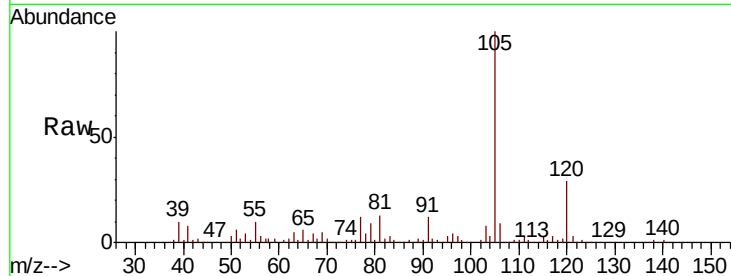
EP1-PZ-FD-01

Tot Ion: 91 Resp: 83141

Ion Ratio Lower Upper

91 100

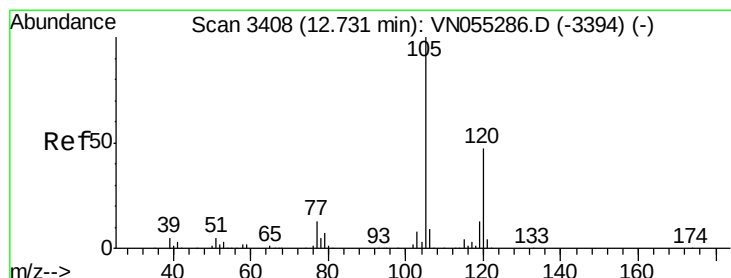
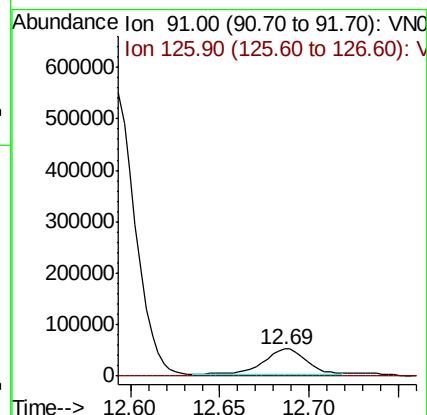
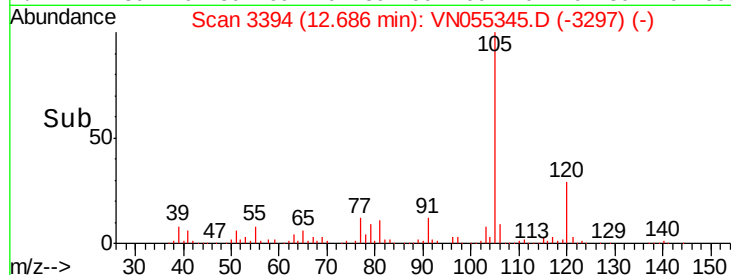
126 0.0 16.6 49.7#



Abundance Ion 91.00 (90.70 to 91.70): VN055286.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN055286.D (-3378) (-)

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 44.085 ug/l

RT: 12.69 min Scan# 3394

Delta R.T. -0.04 min

Lab File: VN055345.D

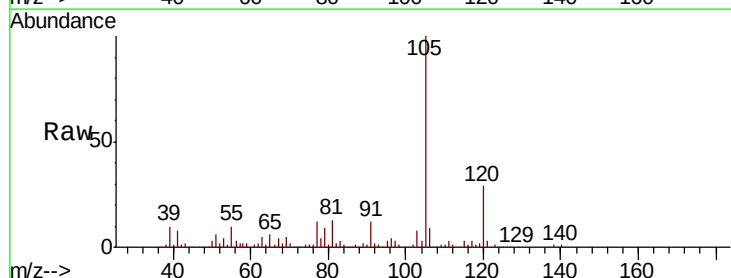
Acq: 2 May 2019 12:58

Tgt Ion:105 Resp: 761771

Ion Ratio Lower Upper

105 100

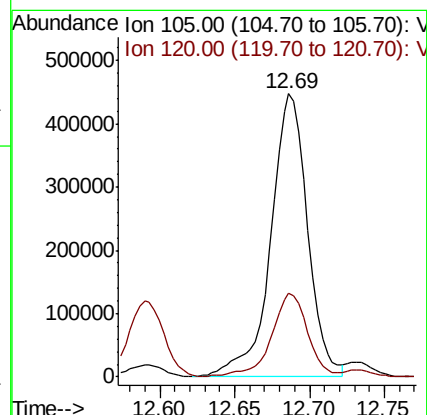
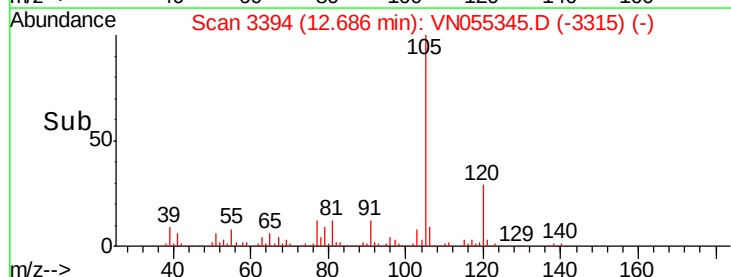
120 28.4 23.4 70.0

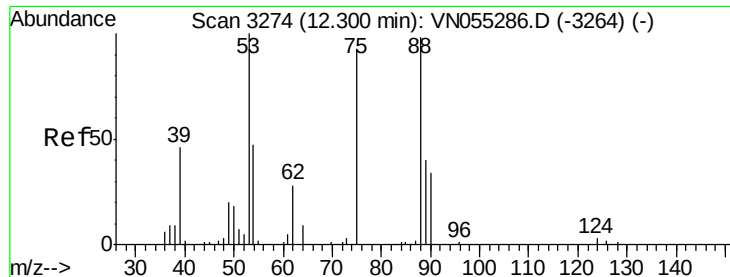


Abundance Ion 105.00 (104.70 to 105.70): VN055286.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN055286.D (-3394) (-)

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 31.904 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.05 min

Lab File: VN055345.D

Acq: 2 May 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

EP1-PZ-FD-01

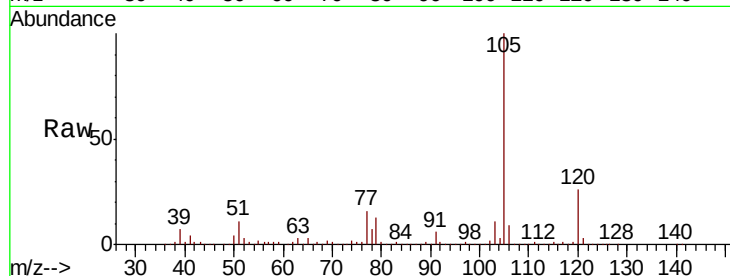
Tot Ion: 75 Resp: 37107

Ion Ratio Lower Upper

75 100

53 96.2 86.3 129.5

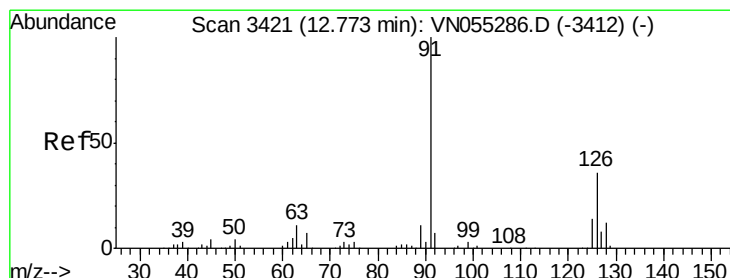
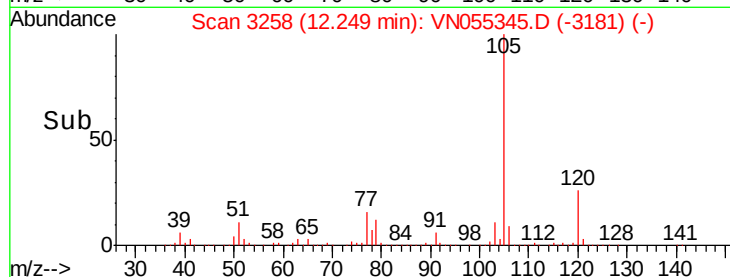
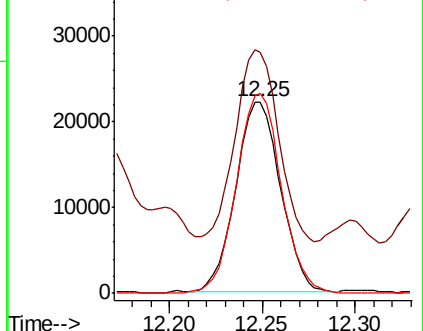
89 105.9 34.6 51.8#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO



#82

4-Chlorotoluene

Concen: 6.316 ug/l

RT: 12.69 min Scan# 3394

Delta R.T. -0.09 min

Lab File: VN055345.D

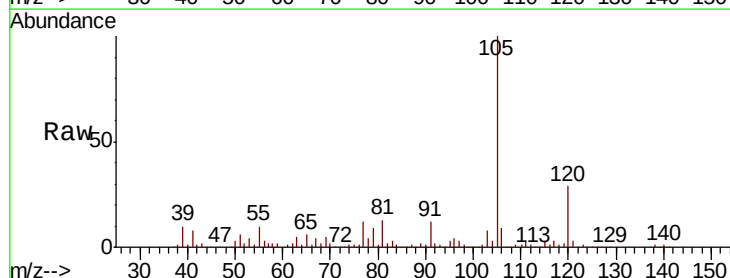
Acq: 2 May 2019 12:58

Tgt Ion: 91 Resp: 83141

Ion Ratio Lower Upper

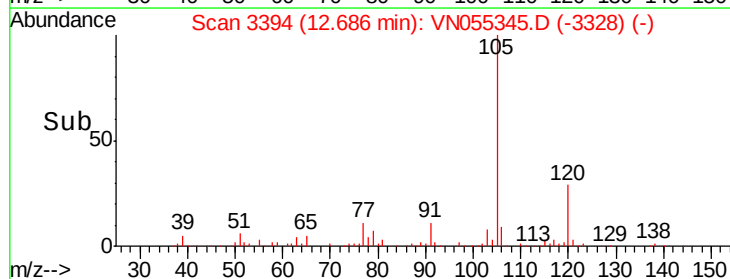
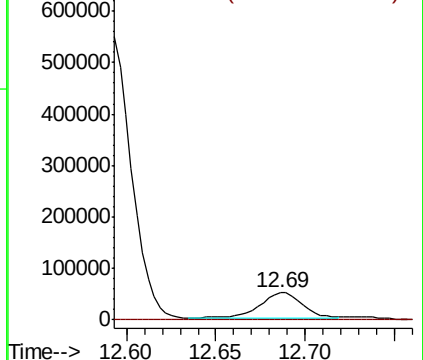
91 100

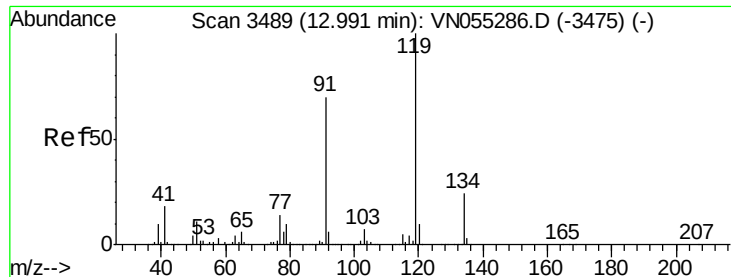
126 0.0 16.6 49.7#



Abundance Ion 91.00 (90.70 to 91.70): VNO

Ion 125.90 (125.60 to 126.60): V

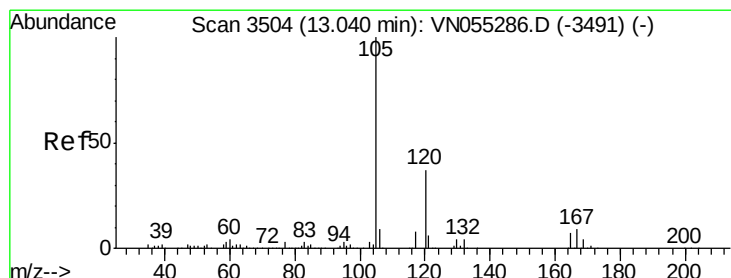
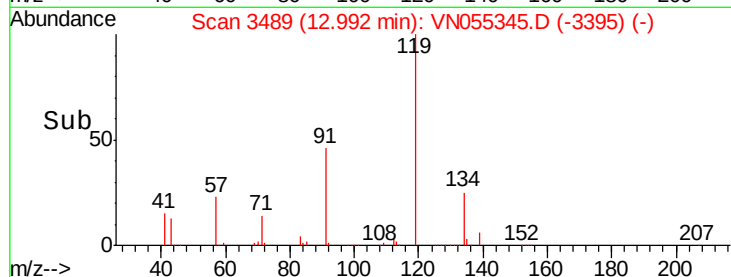
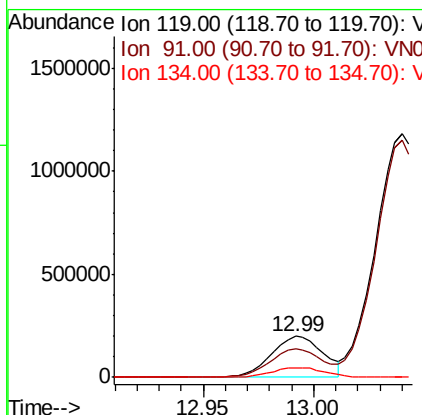
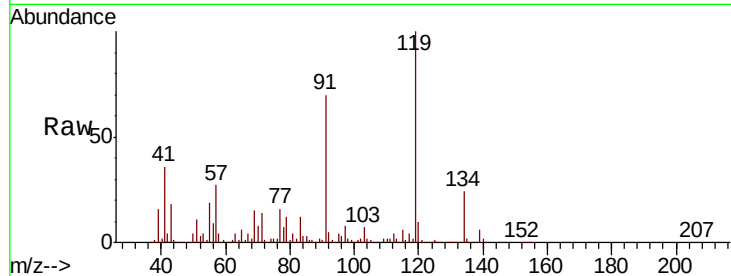




#83
 tert-Butylbenzene
 Concen: 25.063 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN055345.D
 Acq: 2 May 2019 12:58

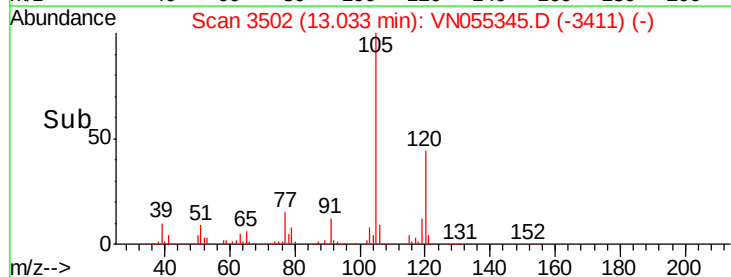
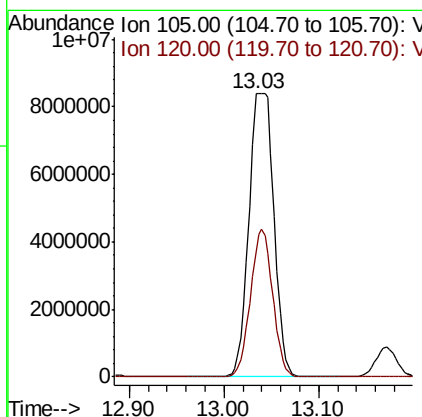
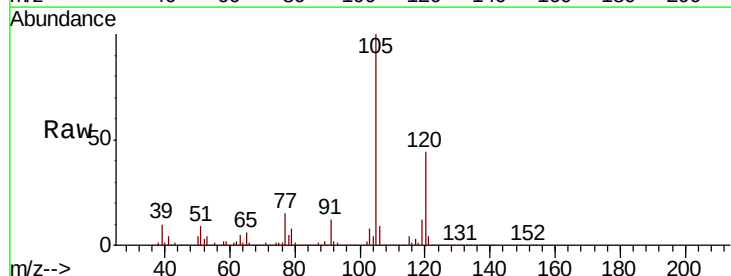
Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-PZ-FD-01

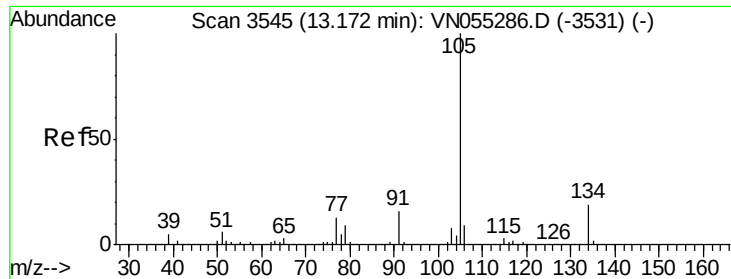
Tot Ion:119 Resp: 324290
 Ion Ratio Lower Upper
 119 100
 91 70.6 34.3 102.9
 134 24.4 13.1 39.3



#84
 1,2,4-Trimethylbenzene
 Concen: 996.688 ug/l
 RT: 13.03 min Scan# 3502
 Delta R.T. -0.01 min
 Lab File: VN055345.D
 Acq: 2 May 2019 12:58

Tgt Ion:105 Resp:15402774
 Ion Ratio Lower Upper
 105 100
 120 46.4 22.1 66.5





#85

sec-Butylbenzene

Concen: 71.908 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055345.D

Acq: 2 May 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

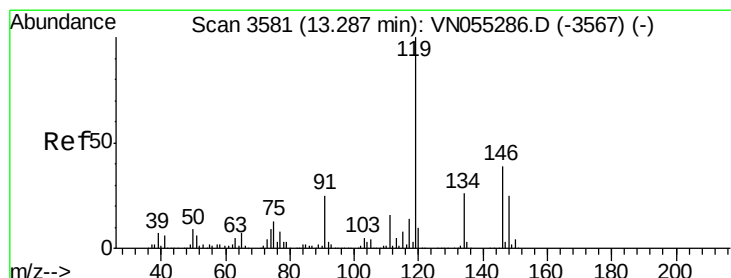
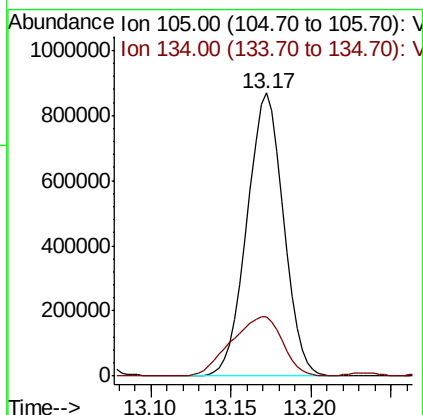
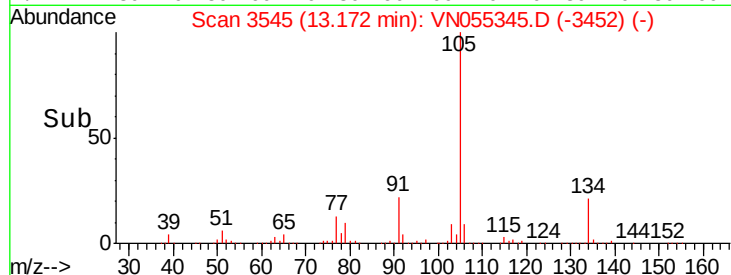
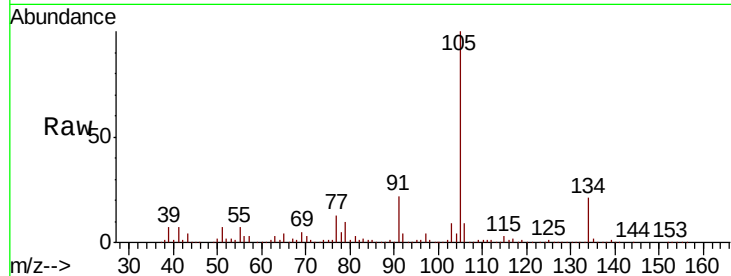
EP1-PZ-FD-01

Tot Ion:105 Resp: 1350527

Ion Ratio Lower Upper

105 100

134 29.8 9.6 28.8#



#86

p-Isopropyltoluene

Concen: 43.425 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055345.D

Acq: 2 May 2019 12:58

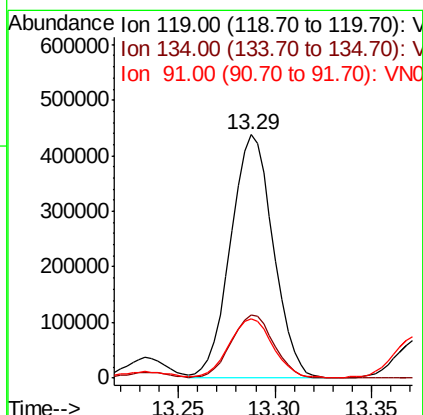
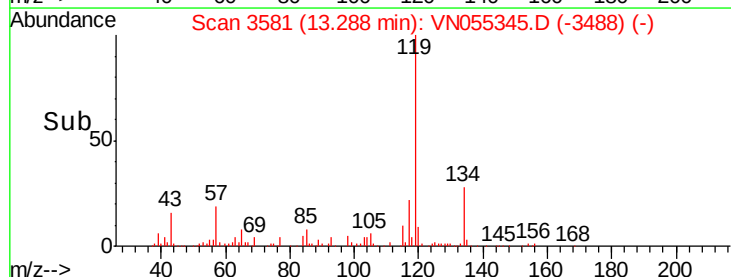
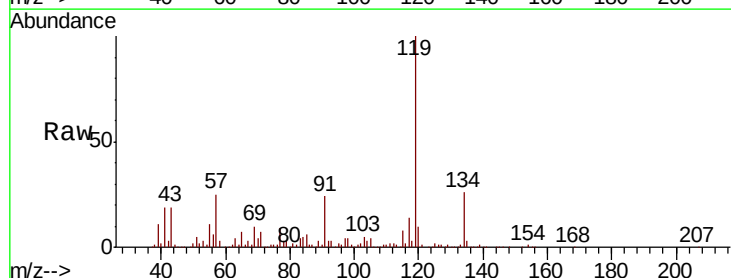
Tgt Ion:119 Resp: 670341

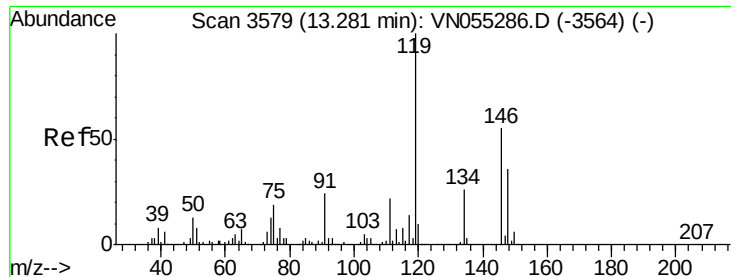
Ion Ratio Lower Upper

119 100

134 26.1 13.0 38.9

91 24.3 12.2 36.6





#87

1,3-Dichlorobenzene

Concen: 0.217 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.01 min

Lab File: VN055345.D

Acq: 2 May 2019 12:58

Instrument :

MSVOA_N

ClientSampled :

EP1-PZ-FD-01

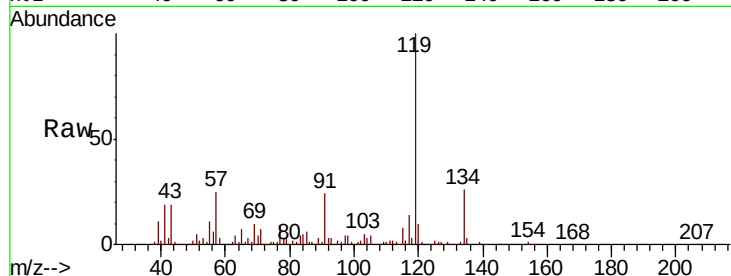
Tot Ion:146 Resp: 1603

Ion Ratio Lower Upper

146 100

111 0.0 20.3 60.8#

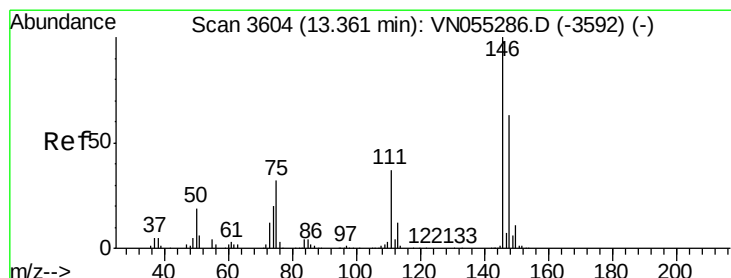
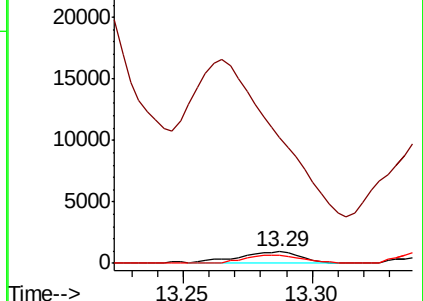
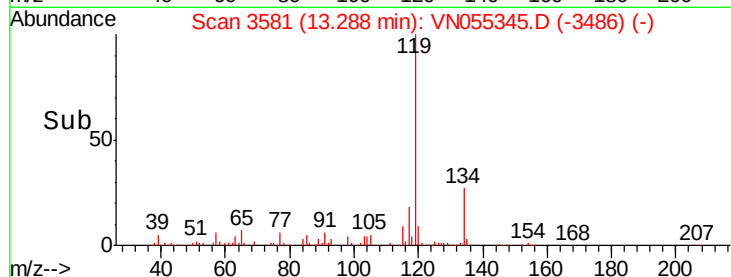
148 63.9 32.5 97.5



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



#88

1,4-Dichlorobenzene

Concen: 0.811 ug/l

RT: 13.36 min Scan# 3603

Delta R.T. -0.00 min

Lab File: VN055345.D

Acq: 2 May 2019 12:58

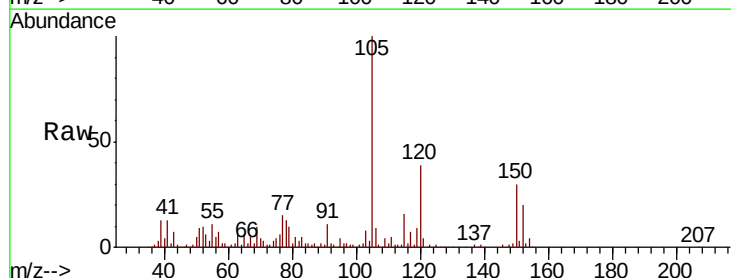
Tgt Ion:146 Resp: 5633

Ion Ratio Lower Upper

146 100

111 536.0 19.5 58.5#

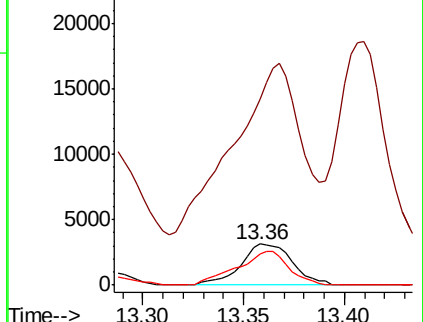
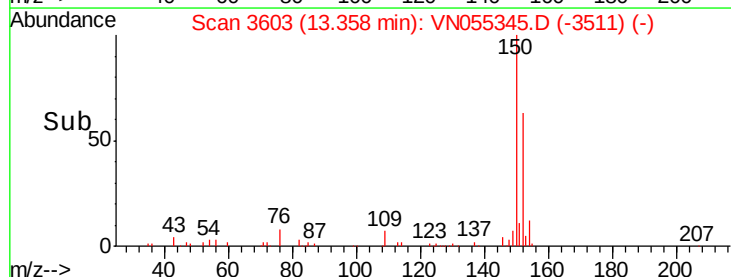
148 81.6 32.5 97.4

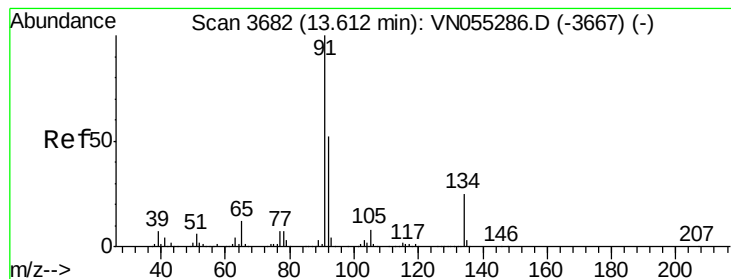


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 39.780 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN055345.D

Acq: 2 May 2019 12:58

Instrument :

MSVOA_N

ClientSampled :

EP1-PZ-FD-01

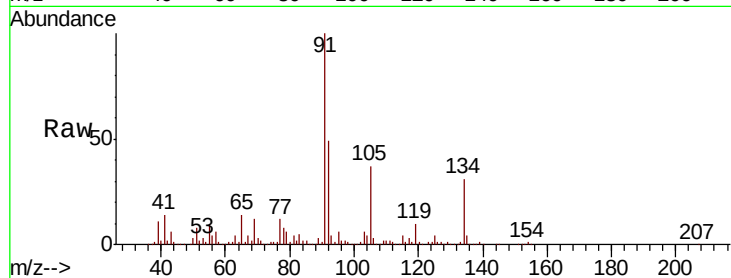
Tot Ion: 91 Resp: 436350

Ion Ratio Lower Upper

91 100

92 38.3 26.1 78.3

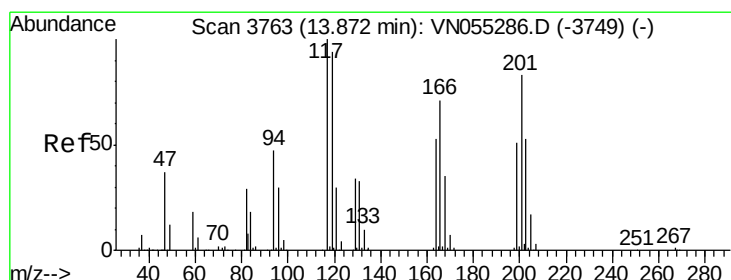
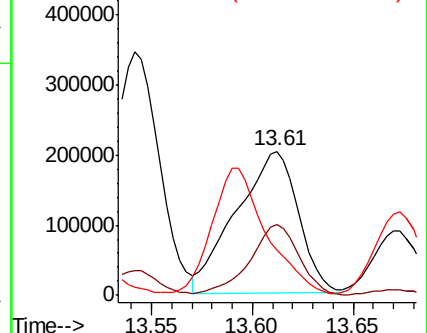
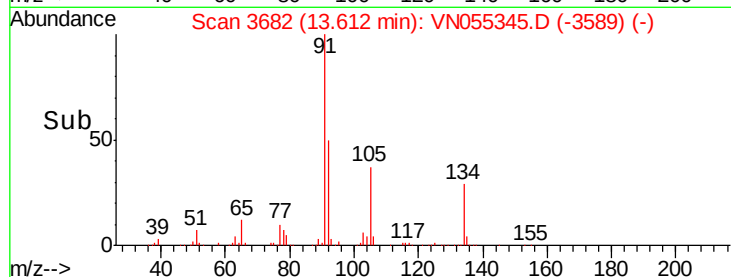
134 78.1 12.4 37.4#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

Ion 134.00 (133.70 to 134.70): VN0



#90

Hexachloroethane

Concen: 108.668 ug/l

RT: 13.89 min Scan# 3768

Delta R.T. 0.02 min

Lab File: VN055345.D

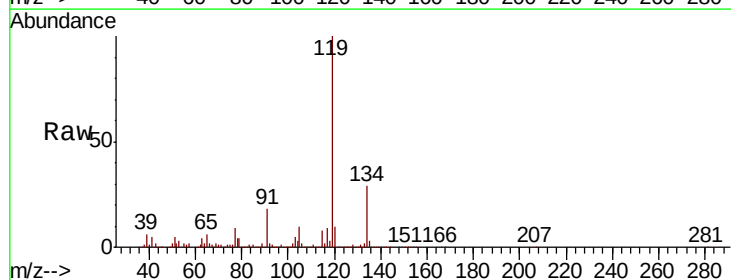
Acq: 2 May 2019 12:58

Tgt Ion: 117 Resp: 261085

Ion Ratio Lower Upper

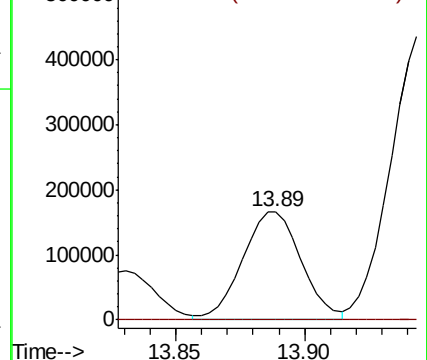
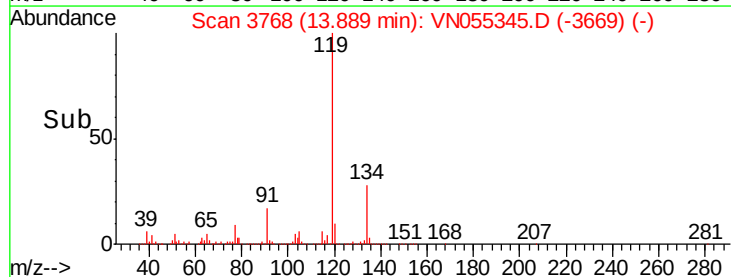
117 100

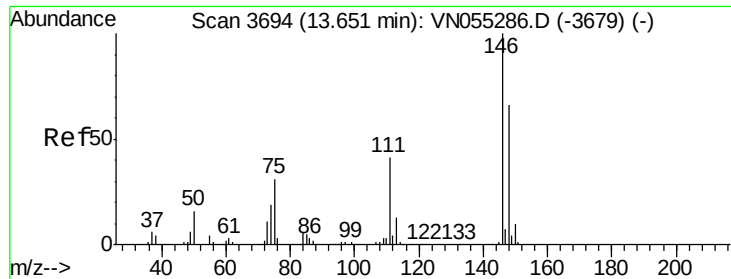
201 0.0 41.9 125.8#



Abundance Ion 116.80 (116.50 to 117.50): VN0

Ion 200.70 (200.40 to 201.40): VN0

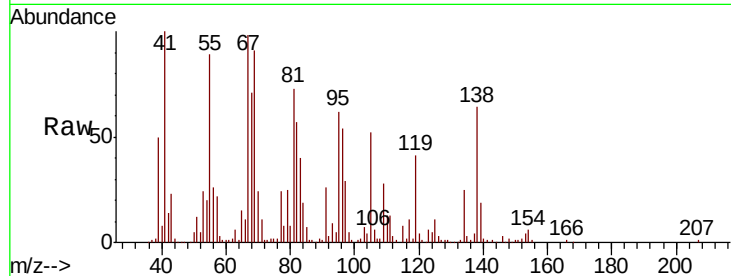




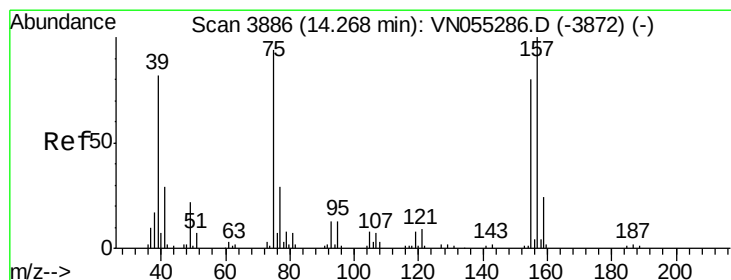
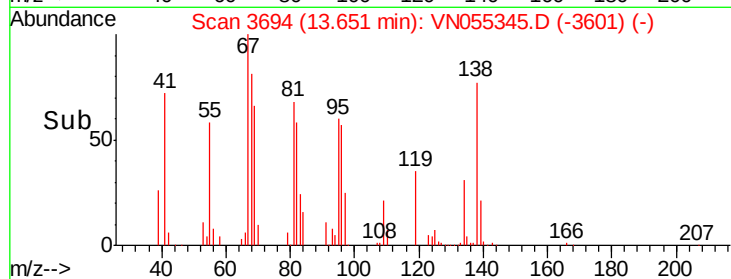
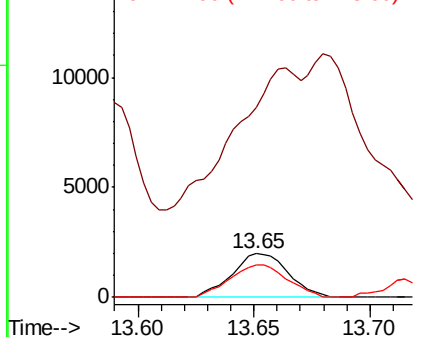
#91
 1,2-Dichlorobenzene
 Concen: 0.458 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN055345.D
 Acq: 2 May 2019 12:58

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-PZ-FD-01

Tot Ion:146 Resp: 3347
 Ion Ratio Lower Upper
 146 100
 111 369.8 20.3 61.0#
 148 75.8 32.4 97.2

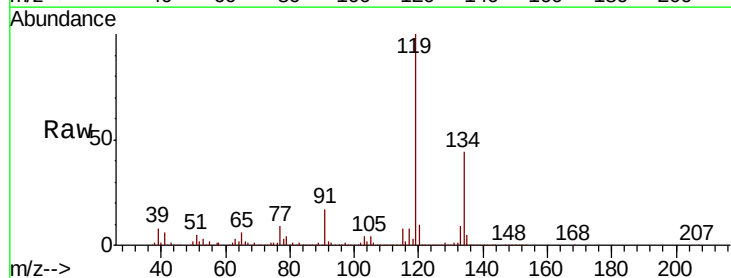


Abundance Ion 145.90 (145.60 to 146.60): V
 15000 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

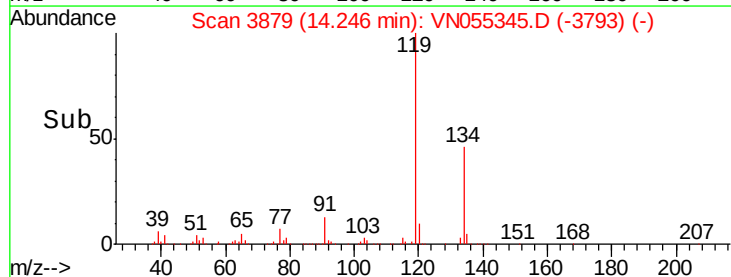
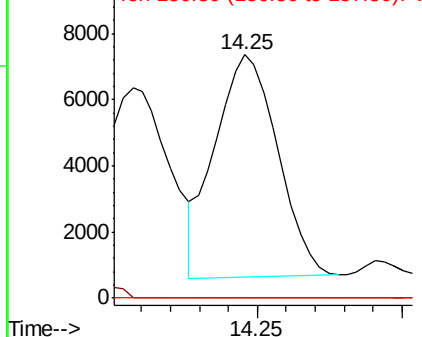


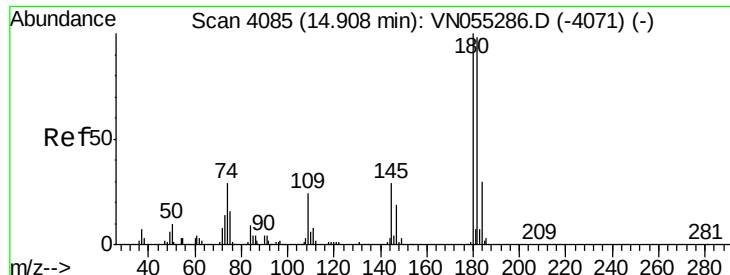
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.433 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. -0.02 min
 Lab File: VN055345.D
 Acq: 2 May 2019 12:58

Tgt Ion: 75 Resp: 10109
 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): V
 10000 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

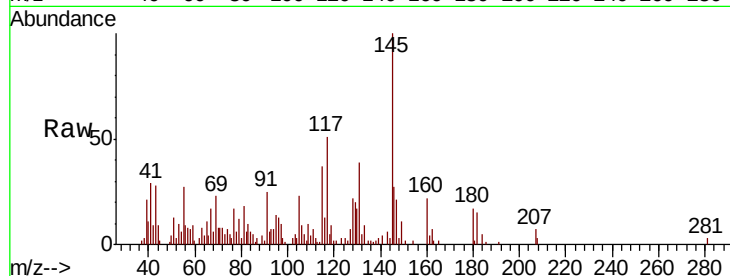




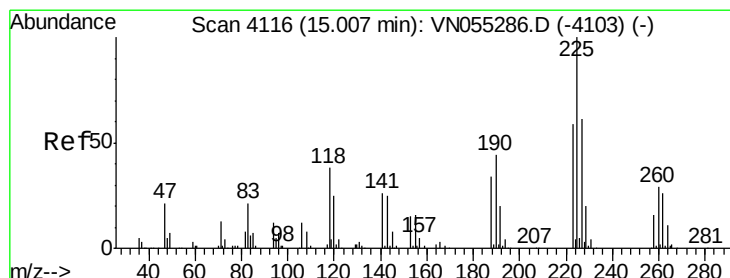
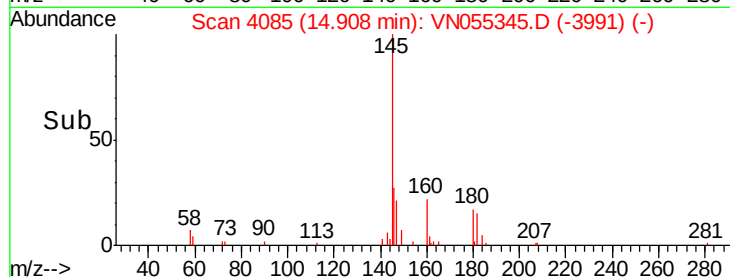
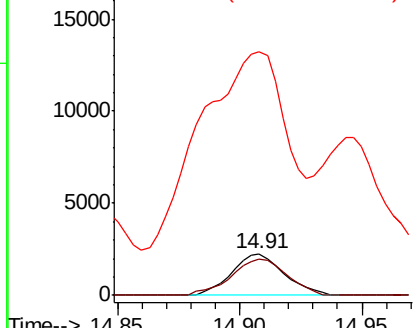
#93
 1,2,4-Trichlorobenzene
 Concen: 4.397 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055345.D
 Acq: 2 May 2019 12:58

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-PZ-FD-01

Tot Ion:180 Resp: 3353
 Ion Ratio Lower Upper
 180 100
 182 92.8 48.3 144.9
 145 786.8 14.2 42.6#

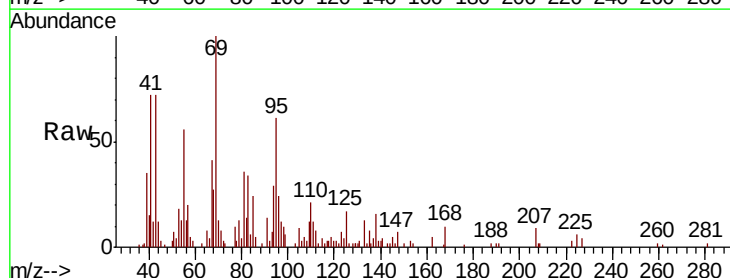


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

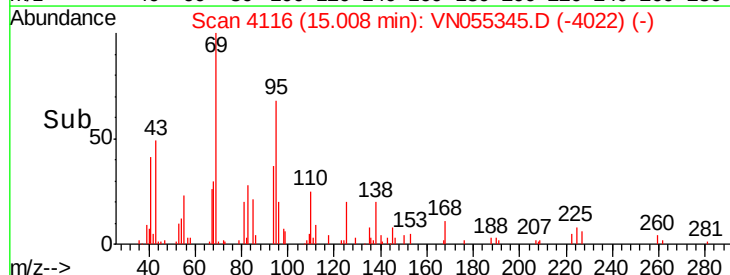
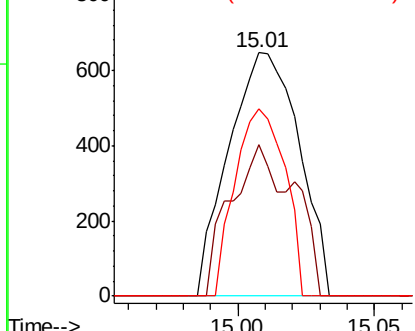


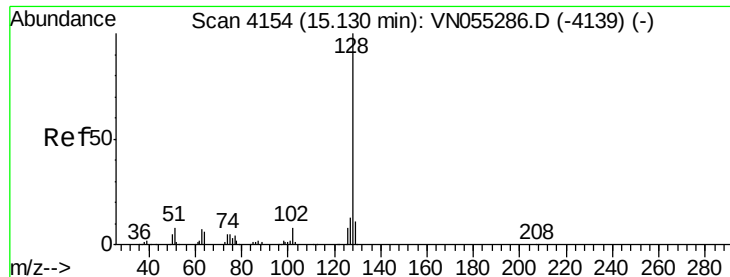
#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055345.D
 Acq: 2 May 2019 12:58

Tgt Ion:225 Resp: 1159
 Ion Ratio Lower Upper
 225 100
 223 56.3 30.3 90.8
 227 54.4 30.9 92.7



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 21.602 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055345.D

Acq: 2 May 2019 12:58

Instrument :

MSVOA_N

ClientSampled :

EP1-PZ-FD-01

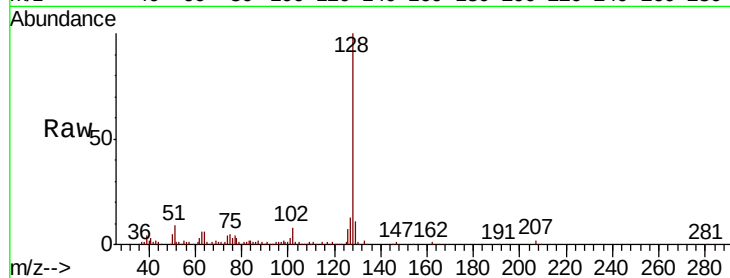
Tot Ion:128 Resp: 119940

Ion Ratio Lower Upper

128 100

127 13.7 10.7 16.1

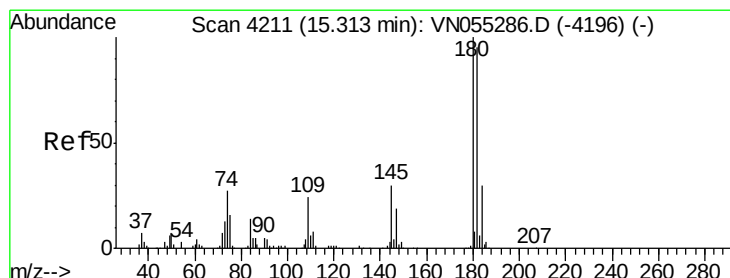
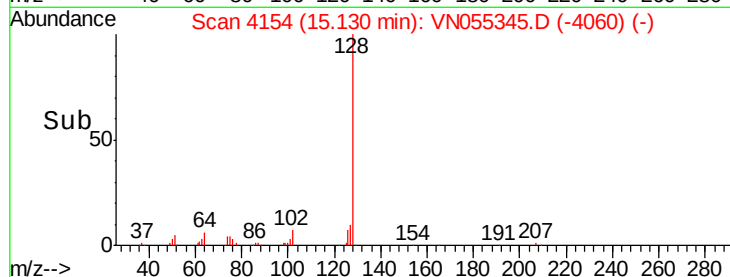
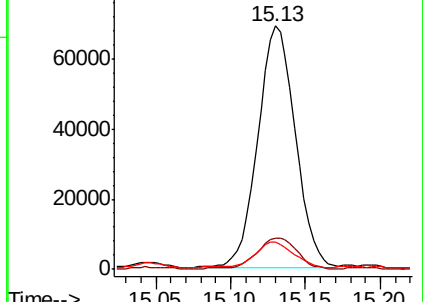
129 11.5 8.6 13.0



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: 3.993 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN055345.D

Acq: 2 May 2019 12:58

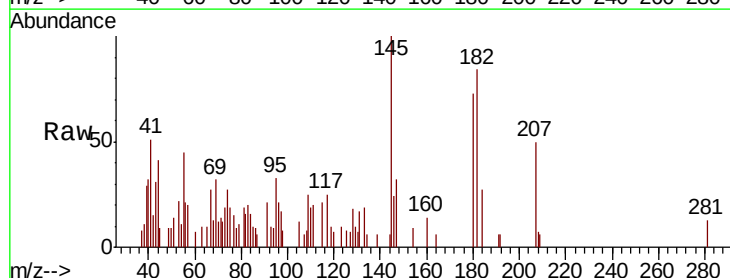
Tgt Ion:180 Resp: 4135

Ion Ratio Lower Upper

180 100

182 97.1 48.3 144.9

145 247.9 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

