

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050219\
 Data File : VN055348.D
 Acq On : 2 May 2019 14:14
 Operator : JC/SP
 Sample : K2658-14
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-PZ-E3-4

Quant Time: May 03 01:53:26 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	344246	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	595538	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	572416	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	249288	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	240331	53.37	ug/l	0.00
Spiked Amount			Recovery	=	106.74%	
35) Dibromofluoromethane	7.59	113	190129	48.64	ug/l	0.00
Spiked Amount			Recovery	=	97.28%	
50) Toluene-d8	10.09	98	750427	53.17	ug/l	0.00
Spiked Amount			Recovery	=	106.34%	
62) 4-Bromofluorobenzene	12.40	95	277631	62.94	ug/l	0.00
Spiked Amount			Recovery	=	125.88%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	19671	3.766	ug/l	95
11) Tert butyl alcohol	4.77	59	4584	17.779	ug/l #	91
16) Acetone	3.82	43	35470	25.277	ug/l	97
17) Carbon Disulfide	4.05	76	2703	0.305	ug/l #	74
18) Methyl Acetate	4.34	43	4803	0.377	ug/l #	77
20) Methylene Chloride	4.56	84	1392	0.325	ug/l	93
25) 2-Butanone	6.82	43	476	0.265	ug/l #	53
27) cis-1,2-Dichloroethene	6.84	96	1859	0.454	ug/l	42
31) Cyclohexane	7.66	56	18192	2.568	ug/l #	67
36) 1,1-Dichloropropene	7.67	75	26580	4.660	ug/l #	49
38) Carbon Tetrachloride	7.67	117	32120	5.837	ug/l #	17
39) Methylcyclohexane	9.09	83	31686	5.224	ug/l	96
40) Benzene	8.04	78	32945	1.959	ug/l	98
41) Methacrylonitrile	7.18	41	71	0.769	ug/l #	38
43) Isopropyl Acetate	8.25	43	20223	2.878	ug/l #	58
44) Trichloroethene	8.83	130	3909	0.912	ug/l	86
48) Methyl methacrylate	9.28	41	1199	0.347	ug/l #	51
51) 4-Methyl-2-Pentanone	9.99	43	4029	1.019	ug/l #	84
52) Toluene	10.16	92	4910	0.509	ug/l	90
55) 1,1,2-Trichloroethane	10.53	97	14952	4.173	ug/l #	17
56) Ethyl methacrylate	10.44	69	7974	1.808	ug/l #	1
59) 2-Hexanone	10.72	43	34743	14.037	ug/l #	31
60) Dibromochloromethane	10.63	129	3146	0.859	ug/l #	11
64) Tetrachloroethene	10.63	164	3558	0.760	ug/l #	79
67) Ethyl Benzene	11.51	91	2985072	147.706	ug/l	98
68) m/p-Xylenes	11.62	106	2967359	411.351	ug/l	100
69) o-Xylene	11.95	106	776283	108.572	ug/l	100
70) Styrene	11.95	104	39044	3.557	ug/l #	1
73) Isopropylbenzene	12.25	105	2962628	156.066	ug/l	100
74) N-amyl acetate	12.04	43	222993	34.855	ug/l #	61
75) 1,1,2,2-Tetrachloroethane	12.47	83	18845	0.678	ug/l #	25
76) 1,2,3-Trichloropropane	12.59	75	39307	6.282	ug/l #	100
78) n-propylbenzene	12.59	91	6187517	241.633	ug/l	99
79) 2-Chlorotoluene	12.65	91	615413	45.301	ug/l #	42

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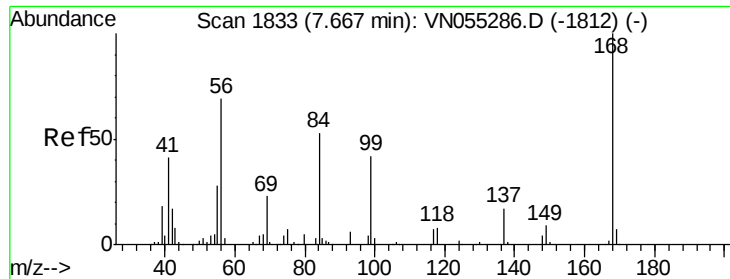
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

80) 1,3,5-Trimethylbenzene	12.73	105	5104354	261.181	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.25	75	36808	27.981	ug/l #	67
82) 4-Chlorotoluene	12.73	91	562789	37.799	ug/l #	43
83) tert-Butylbenzene	12.99	119	252763	16.311	ug/l	97
84) 1,2,4-Trimethylbenzene	12.89	105	1828776	104.630	ug/l	78
85) sec-Butylbenzene	13.17	105	1220620	57.463	ug/l #	76
86) p-Isopropyltoluene	13.29	119	578649	33.143	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	3217	0.410	ug/l #	1
89) n-Butylbenzene	13.61	91	945085	76.179	ug/l #	73
90) Hexachloroethane	13.89	117	209820	76.744	ug/l #	7
91) 1,2-Dichlorobenzene	13.65	146	1826	0.221	ug/l #	1
92) 1,2-Dibromo-3-Chloropropan	14.25	75	9103	13.880	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.90	180	252	3.383	ug/l #	1
94) Hexachlorobutadiene	15.01	225	78	Below Cal	#	20
95) Naphthalene	15.13	128	807739	112.140	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	234	2.682	ug/l #	1

(#) = 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: VN055348.D

Acq: 2 May 2019 14:14

Instrument :

MSVOA_N

ClientSampleId :

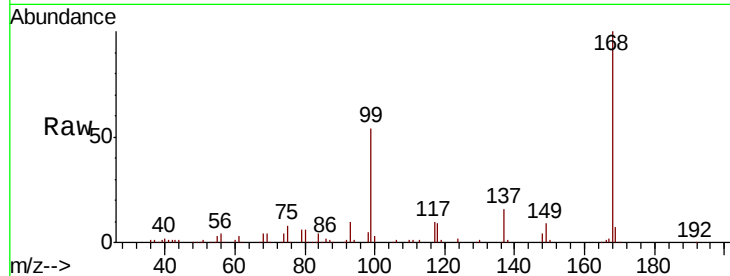
EP1-PZ-E3-4

Tot Ion:168 Resp: 344246

Ion Ratio Lower Upper

168 100

99 54.3 43.6 65.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

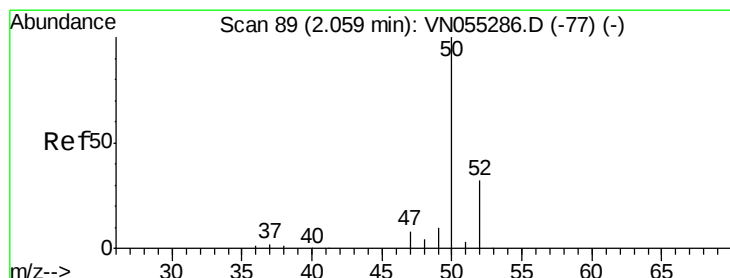
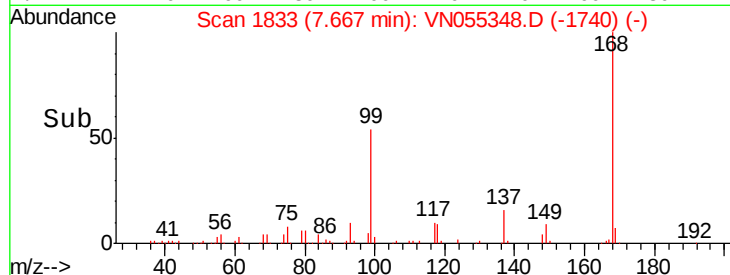
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 3.766 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN055348.D

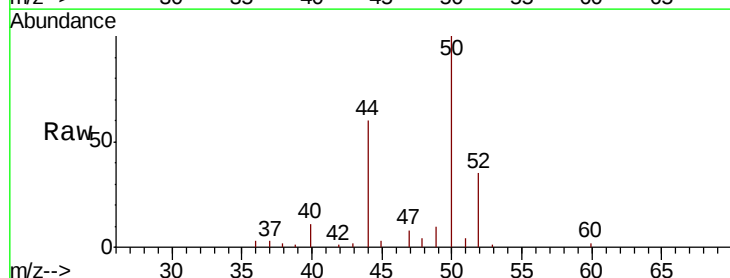
Acq: 2 May 2019 14:14

Tgt Ion: 50 Resp: 19671

Ion Ratio Lower Upper

50 100

52 34.8 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.06

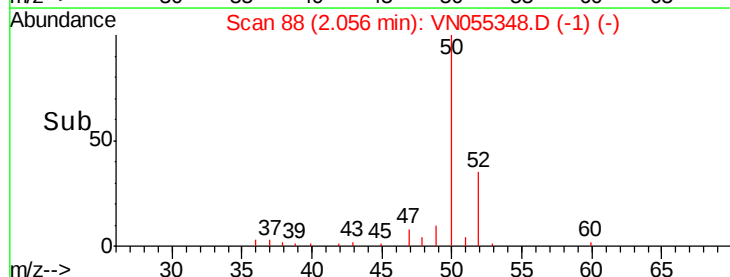
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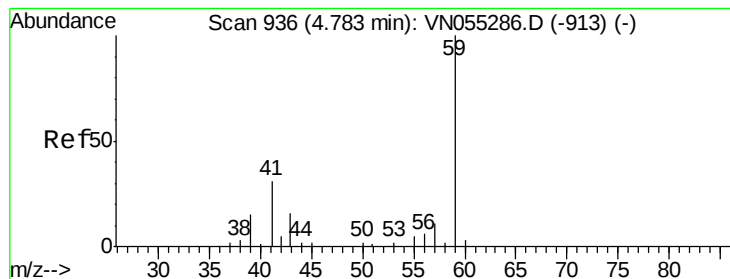
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Time-->



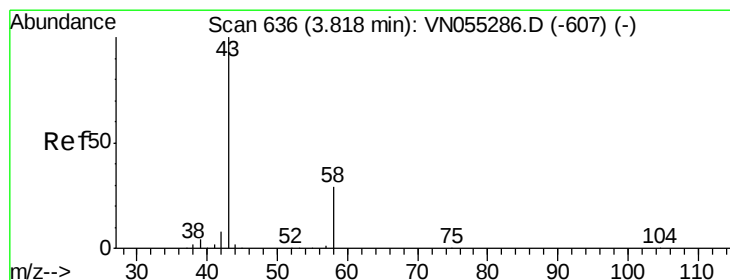
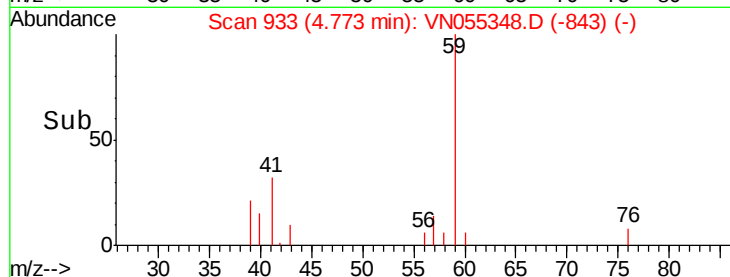
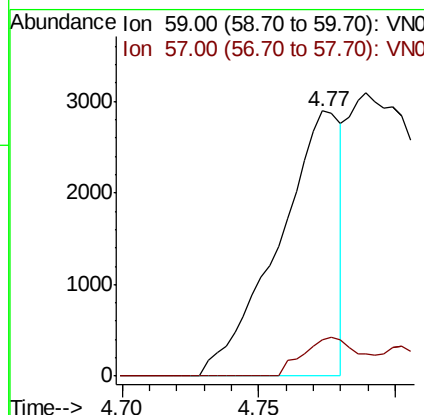
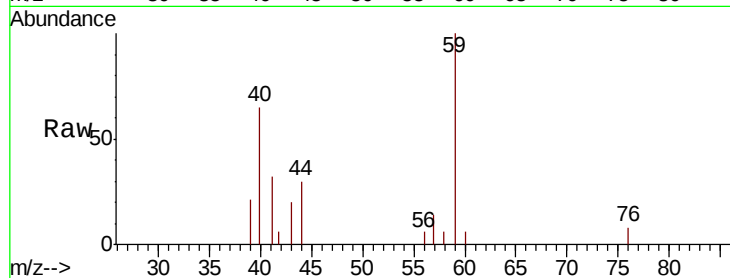


#11

Tert butyl alcohol
 Concen: 17.779 ug/l
 RT: 4.77 min Scan# 933
 Delta R.T. -0.01 min
 Lab File: VN055348.D
 Acq: 2 May 2019 14:14

Instrument :
 MSVOA_N
 ClientSampled :
 EP1-PZ-E3-4

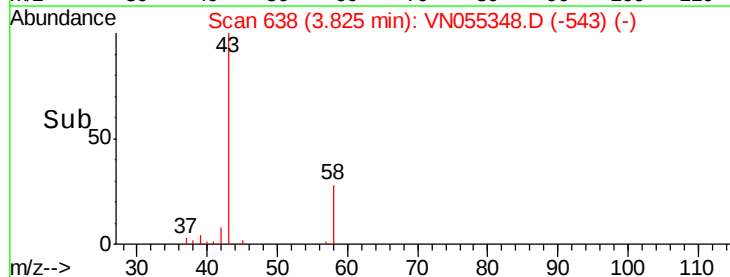
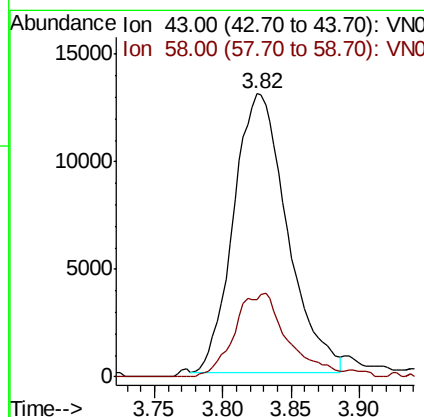
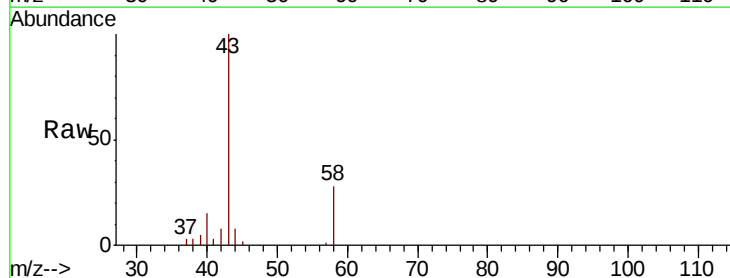
Tot Ion: 59 Resp: 4584
 Ion Ratio Lower Upper
 59 100
 57 13.4 8.2 12.2#

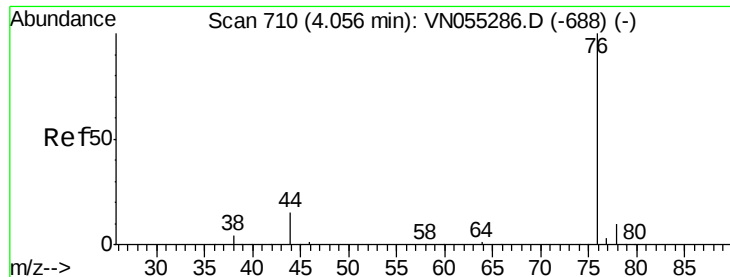


#16

Acetone
 Concen: 25.277 ug/l
 RT: 3.82 min Scan# 638
 Delta R.T. 0.01 min
 Lab File: VN055348.D
 Acq: 2 May 2019 14:14

Tgt Ion: 43 Resp: 35470
 Ion Ratio Lower Upper
 43 100
 58 27.9 23.6 35.4





#17

Carbon Disulfide

Concen: 0.305 ug/l

RT: 4.05 min Scan# 709

Delta R.T. -0.00 min

Lab File: VN055348.D

Acq: 2 May 2019 14:14

Instrument :

MSVOA_N

ClientSampled :

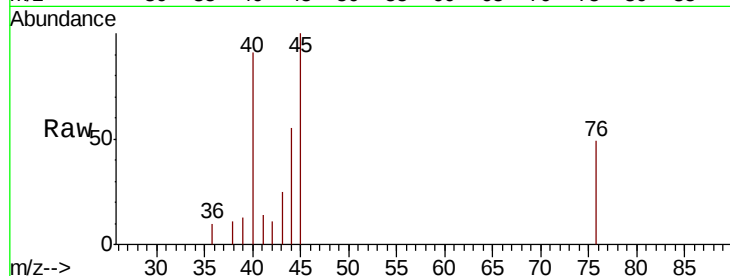
EP1-PZ-E3-4

Tot Ion: 76 Resp: 2703

Ion Ratio Lower Upper

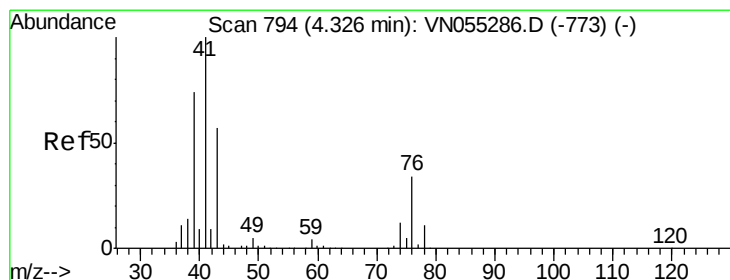
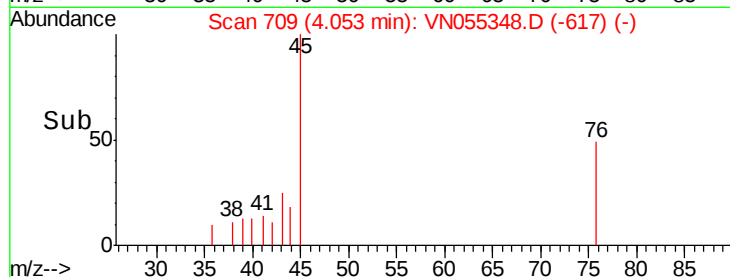
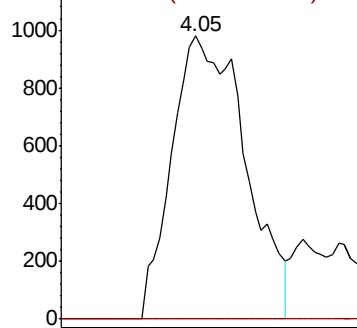
76 100

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: 0.377 ug/l

RT: 4.34 min Scan# 798

Delta R.T. 0.01 min

Lab File: VN055348.D

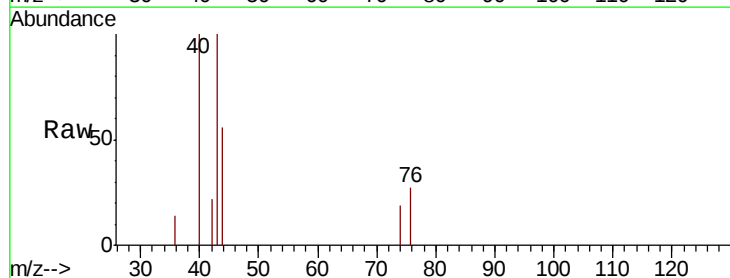
Acq: 2 May 2019 14:14

Tgt Ion: 43 Resp: 4803

Ion Ratio Lower Upper

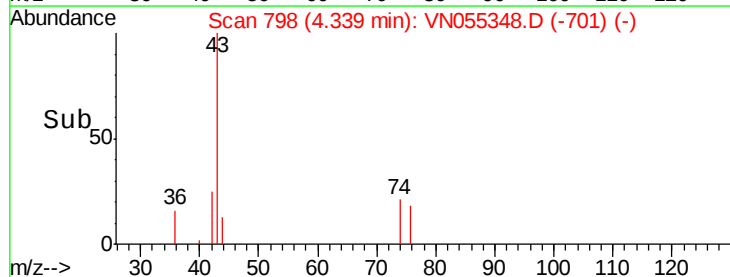
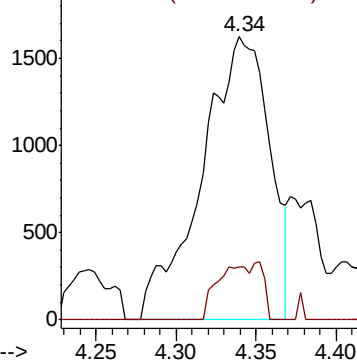
43 100

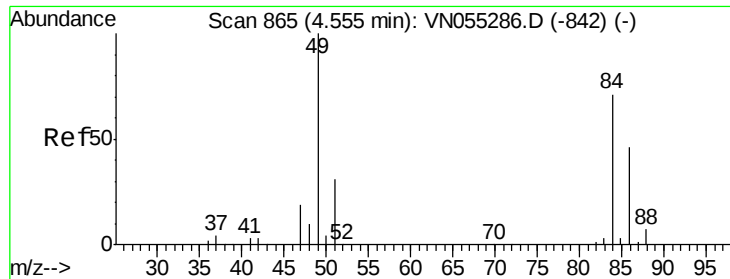
74 9.3 15.8 23.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

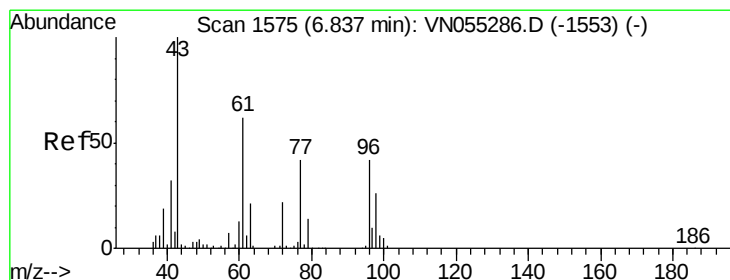
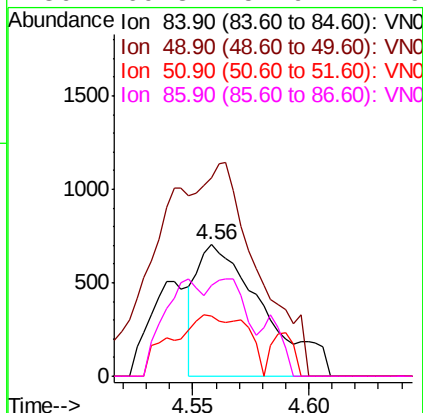
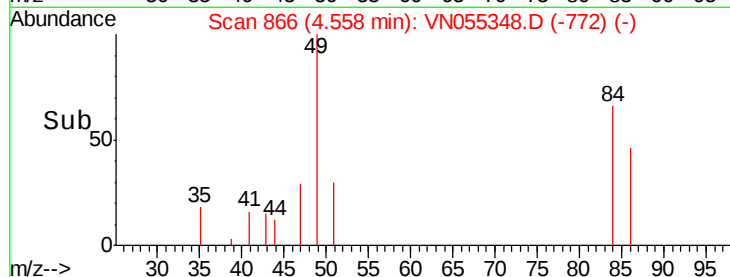
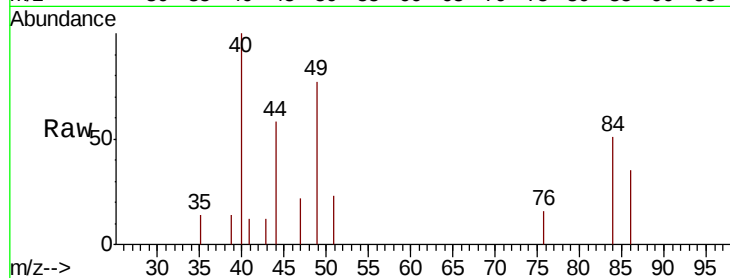




#20
Methvlene Chloride
Concen: 0.325 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN055348.D
Acq: 2 May 2019 14:14

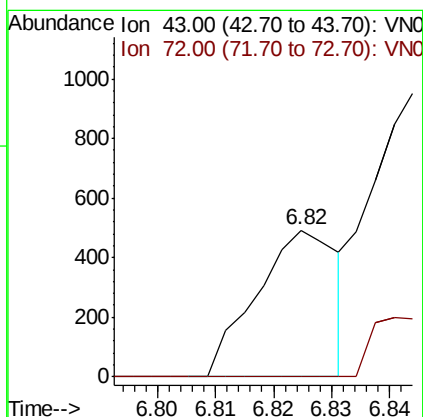
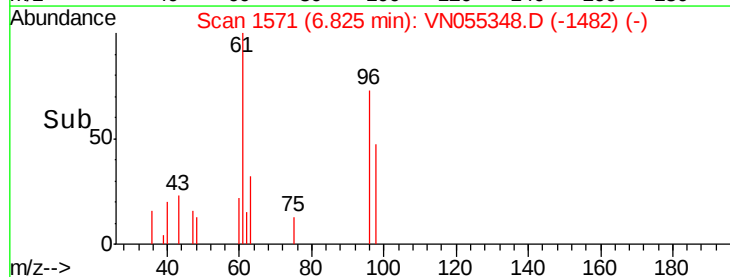
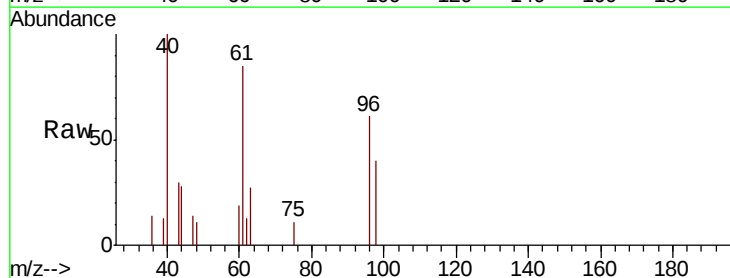
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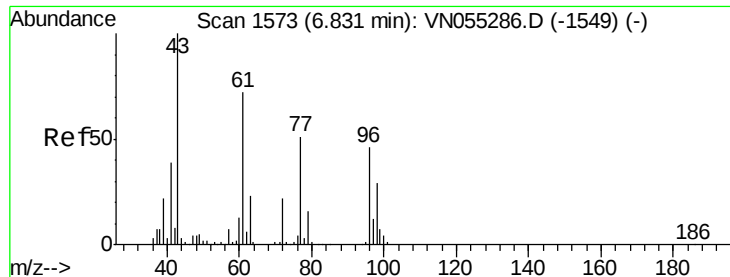
Tot Ion:	84	Resp:	1392
Ion	Ratio	Lower	Upper
84	100		
49	150.9	112.4	168.6
51	45.6	34.6	51.8
86	69.3	51.9	77.9



#25
2-Butanone
Concen: 0.265 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.01 min
Lab File: VN055348.D
Acq: 2 May 2019 14:14

Tgt Ion:	43	Resp:	476
Ion	Ratio	Lower	Upper
43	100		
72	0.0	18.0	27.0#

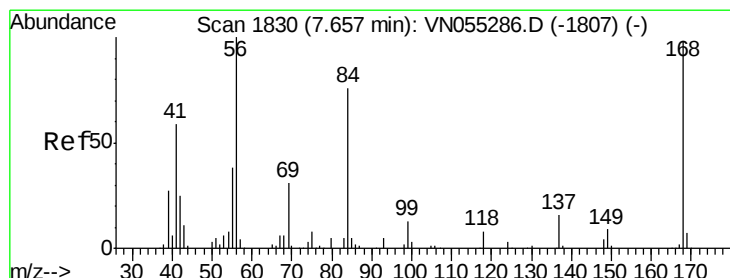
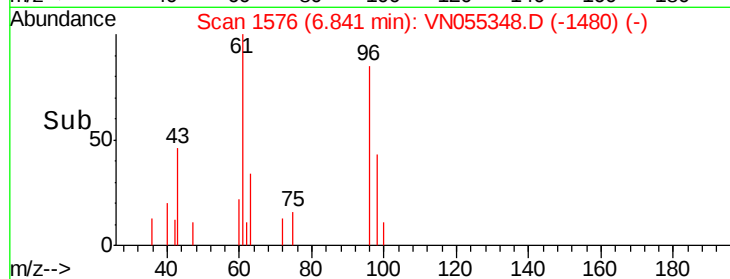
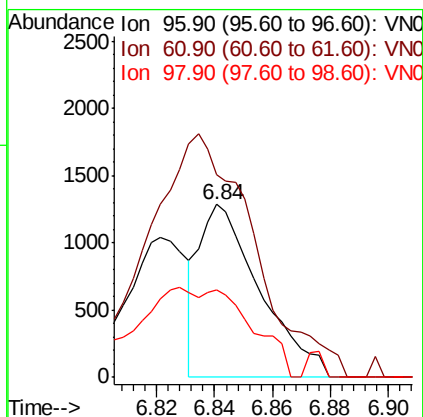
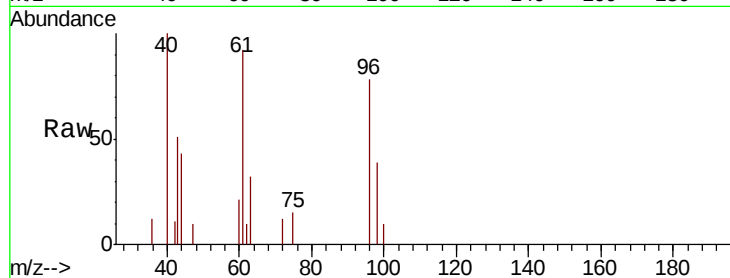




#27
 cis-1,2-Dichloroethene
 Concen: 0.454 ug/l
 RT: 6.84 min Scan# 1576
 Delta R.T. 0.01 min
 Lab File: VN055348.D
 Acq: 2 May 2019 14:14

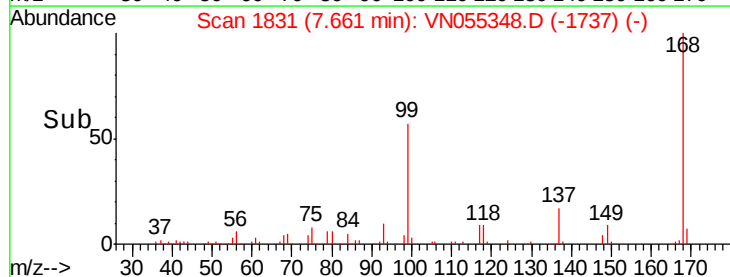
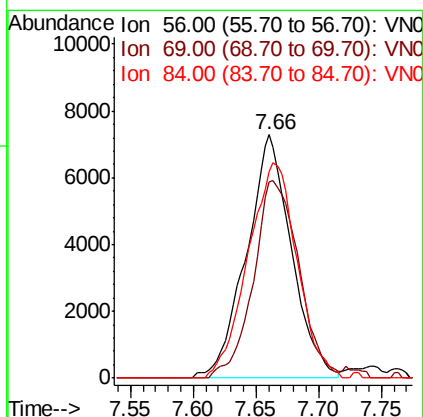
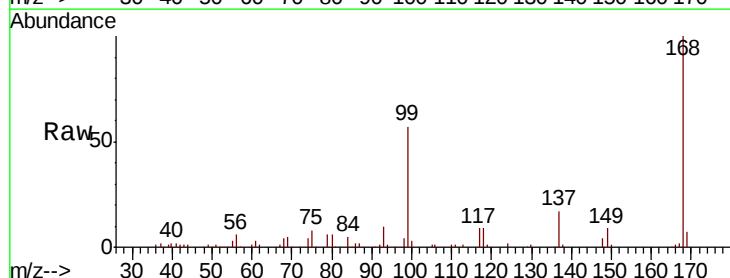
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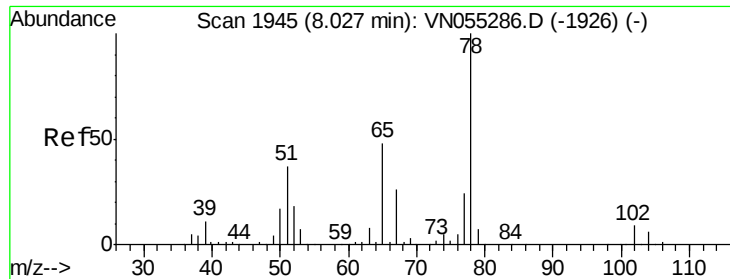
Tot Ion: 96 Resp: 1859
 Ion Ratio Lower Upper
 96 100
 61 258.9 0.0 316.2
 98 55.8 0.0 126.6



#31
 Cyclohexane
 Concen: 2.568 ug/l
 RT: 7.66 min Scan# 1831
 Delta R.T. 0.00 min
 Lab File: VN055348.D
 Acq: 2 May 2019 14:14

Tgt Ion: 56 Resp: 18192
 Ion Ratio Lower Upper
 56 100
 69 80.8 25.2 37.8#
 84 85.0 61.1 91.7





#33

1,2-Dichloroethane-d4

Concen: 53.365 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN055348.D

Acq: 2 May 2019 14:14

Instrument :

MSVOA_N

ClientSampleId :

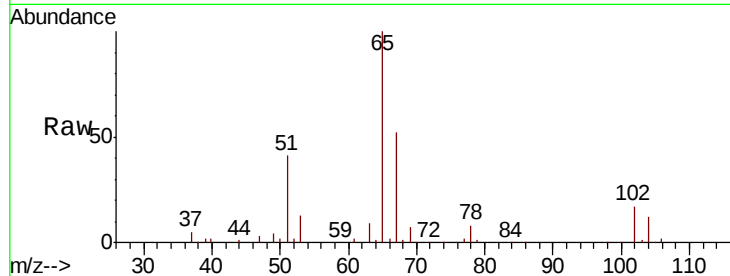
EP1-PZ-E3-4

Tot Ion: 65 Resp: 240331

Ion Ratio Lower Upper

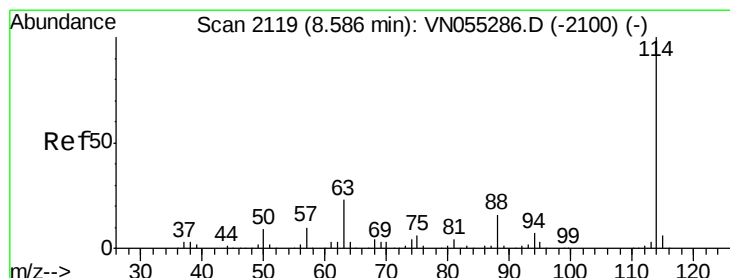
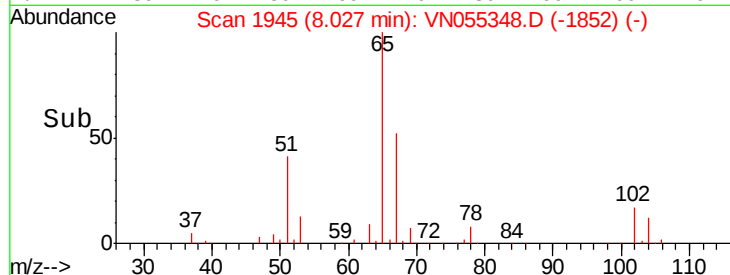
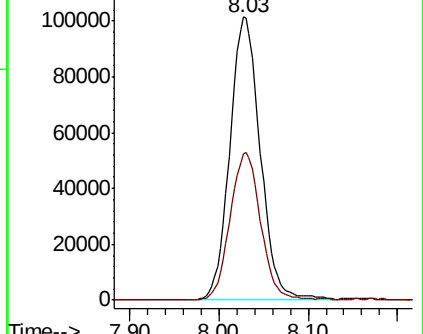
65 100

67 52.1 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VN055348.D (-1852) (-)

Ion 66.90 (66.60 to 67.60): VN055348.D (-1852) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN055348.D

Acq: 2 May 2019 14:14

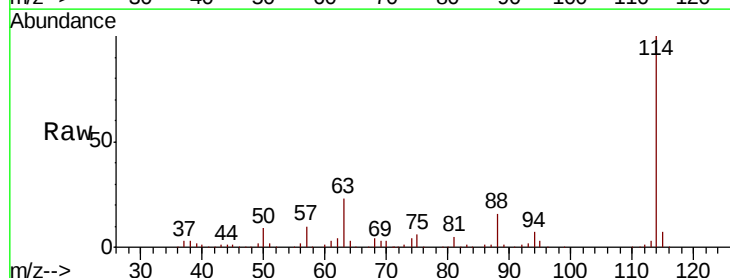
Tgt Ion: 114 Resp: 595538

Ion Ratio Lower Upper

114 100

63 23.0 0.0 45.2

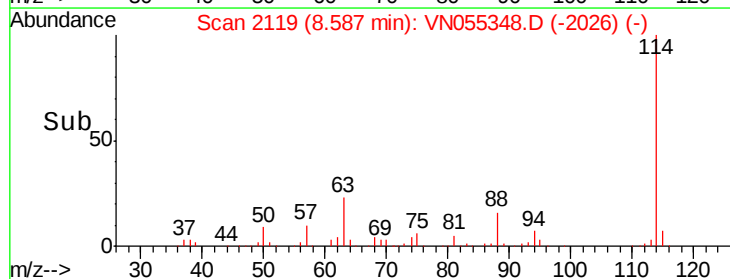
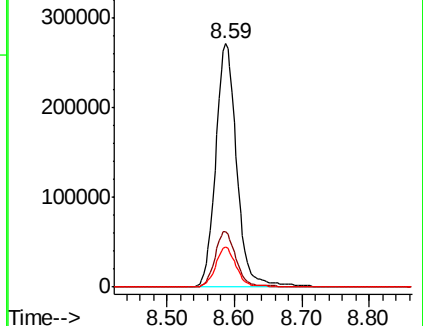
88 16.2 0.0 31.6

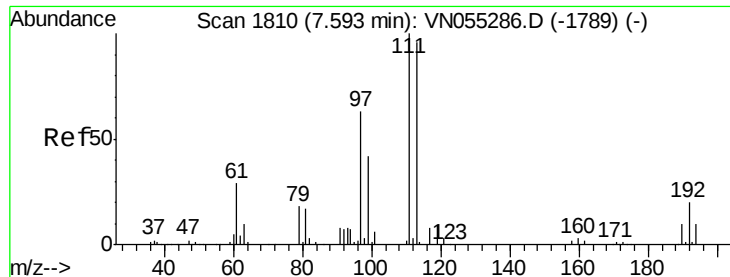


Abundance Ion 113.90 (113.60 to 114.60): VN055348.D (-2026) (-)

Ion 63.00 (62.70 to 63.70): VN055348.D (-2026) (-)

Ion 87.90 (87.60 to 88.60): VN055348.D (-2026) (-)

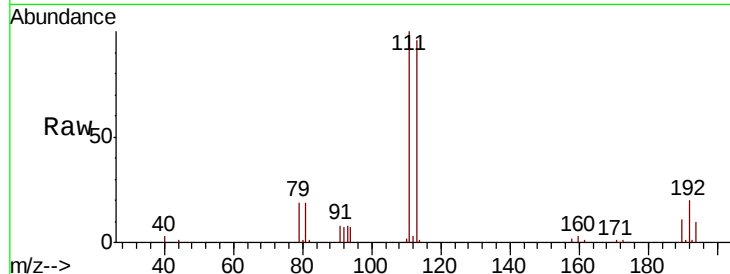




#35
 Dibromofluoromethane
 Concen: 48.640 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN055348.D
 Acq: 2 May 2019 14:14

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-PZ-E3-4

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.3	82.3	123.5
192	20.3	17.0	25.6

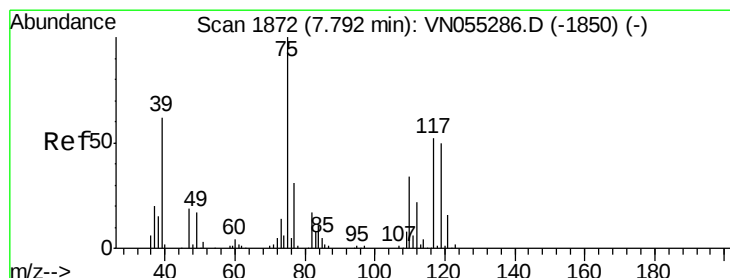
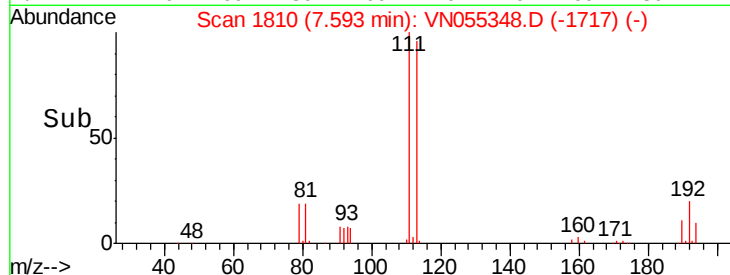
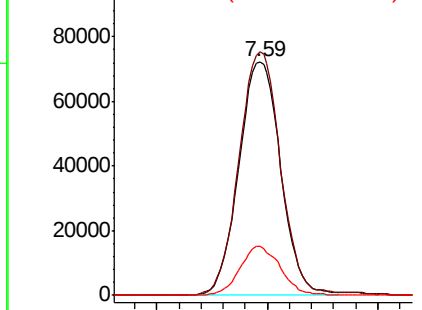


Abundance

Ion 112.80 (112.50 to 113.50): V

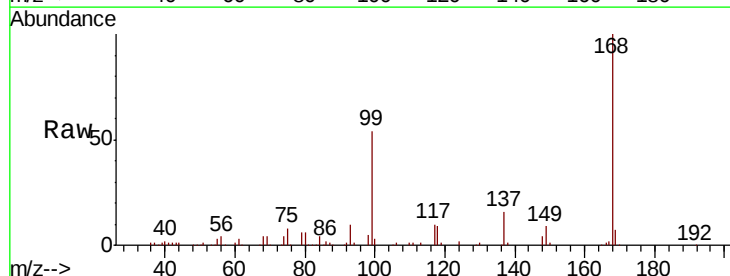
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 4.660 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN055348.D
 Acq: 2 May 2019 14:14

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.6	16.8	50.4#
77	0.0	25.0	37.6#

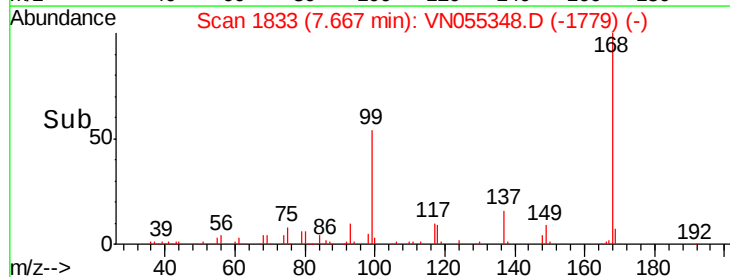
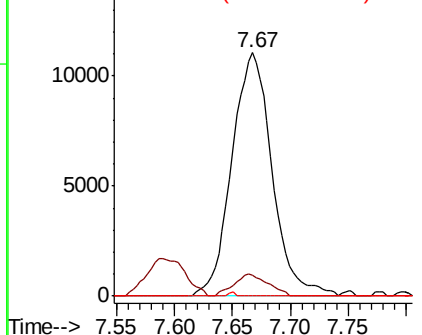


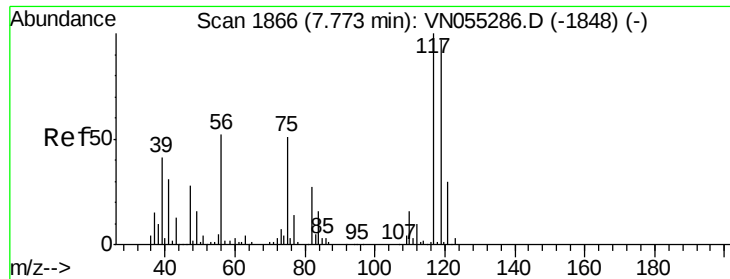
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

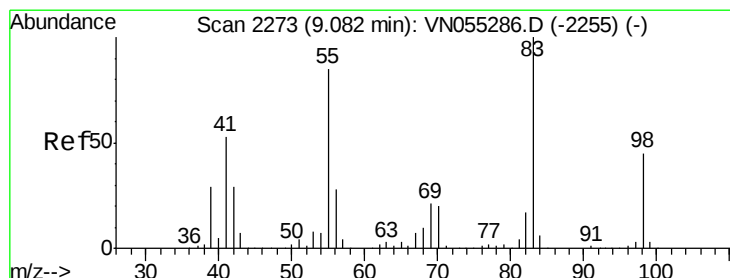
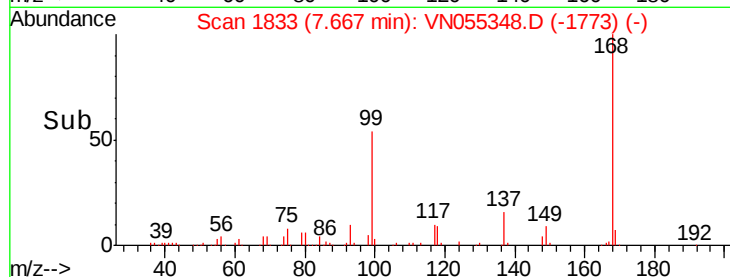
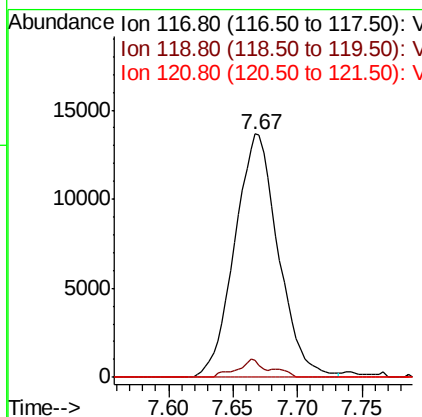
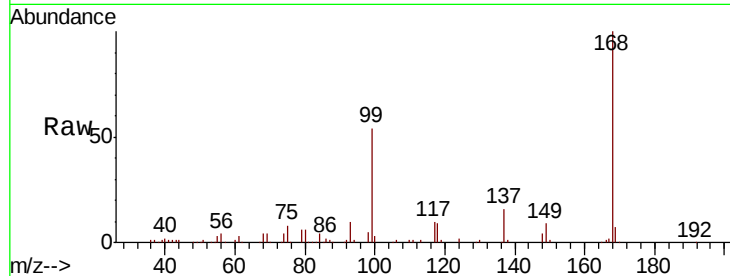




#38
Carbon Tetrachloride
Concen: 5.837 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.11 min
Lab File: VN055348.D
Acq: 2 May 2019 14:14

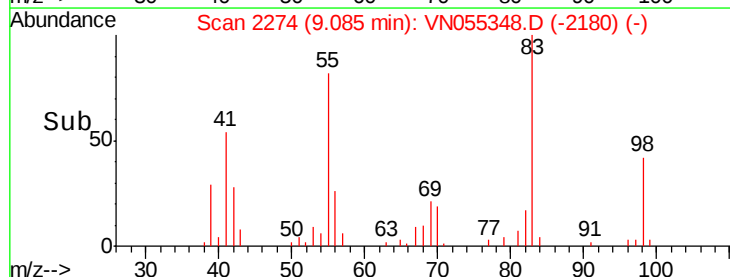
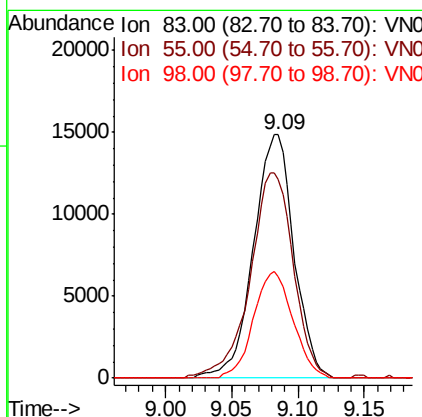
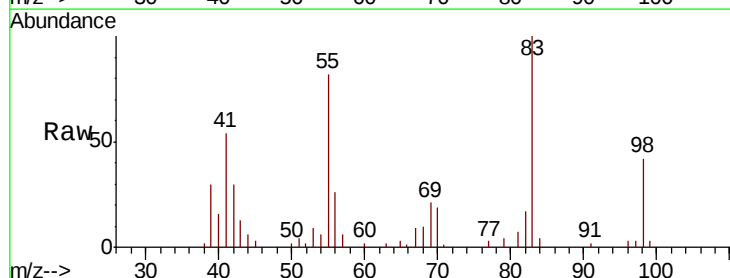
Instrument :
MSVOA_N
ClientSampled :
EP1-PZ-E3-4

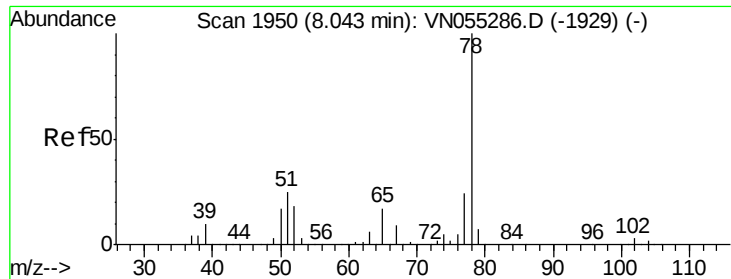
Tot Ion:117 Resp: 32120
Ion Ratio Lower Upper
117 100
119 6.9 77.0 115.6#
121 0.0 23.8 35.8#



#39
Methylcyclohexane
Concen: 5.224 ug/l
RT: 9.09 min Scan# 2274
Delta R.T. 0.00 min
Lab File: VN055348.D
Acq: 2 May 2019 14:14

Tgt Ion: 83 Resp: 31686
Ion Ratio Lower Upper
83 100
55 81.7 67.8 101.6
98 41.5 36.2 54.4





#40

Benzene

Concen: 1.959 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. 0.00 min

Lab File: VN055348.D

Acq: 2 May 2019 14:14

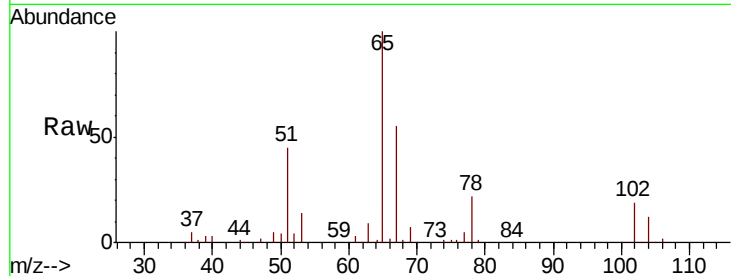
Instrument :
MSVOA_N
ClientSampleId :
EP1-PZ-E3-4

Tot Ion: 78 Resp: 32945

Ion Ratio Lower Upper

78 100

77 22.7 19.0 28.6



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

8.04

15000

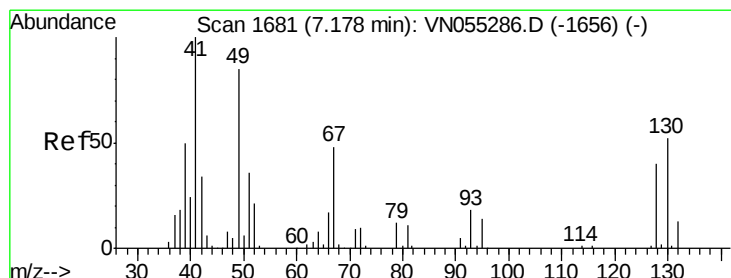
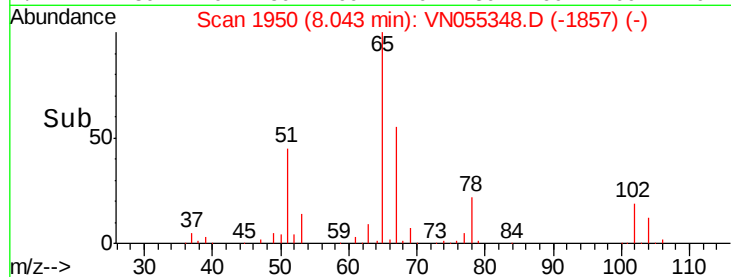
10000

5000

0

Time-->

7.95 8.00 8.05 8.10



#41

Methacrylonitrile

Concen: 0.769 ug/l

RT: 7.18 min Scan# 1682

Delta R.T. 0.00 min

Lab File: VN055348.D

Acq: 2 May 2019 14:14

Tgt Ion: 41 Resp: 71

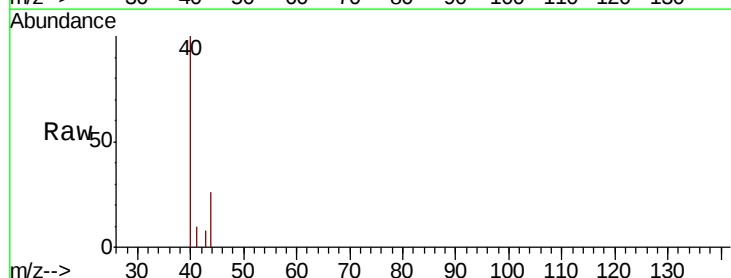
Ion Ratio Lower Upper

41 100

39 90.1 48.5 72.7#

67 0.0 54.9 82.3#

52 0.0 24.9 37.3#



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

300

250

200

150

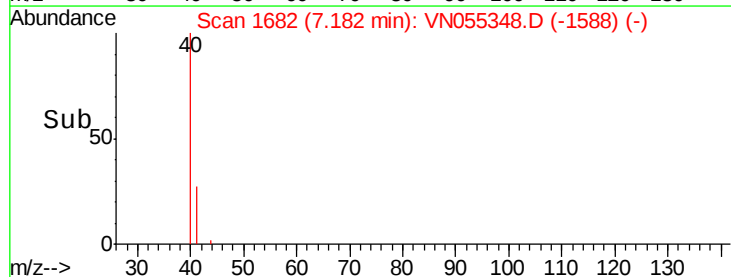
100

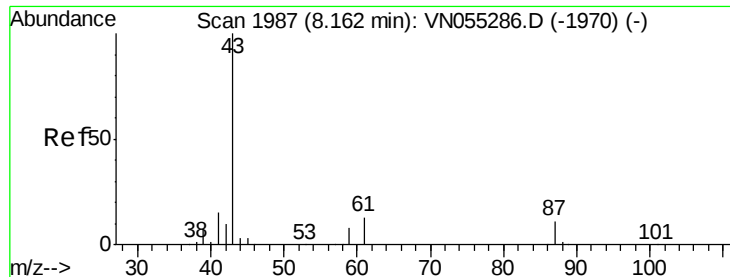
50

0

Time-->

7.17 7.18 7.19





#43

Isopropyl Acetate

Concen: 2.878 ug/l

RT: 8.25 min Scan# 2013

Delta R.T. 0.08 min

Lab File: VN055348.D

Acq: 2 May 2019 14:14

Instrument :

MSVOA_N

ClientSampled :

EP1-PZ-E3-4

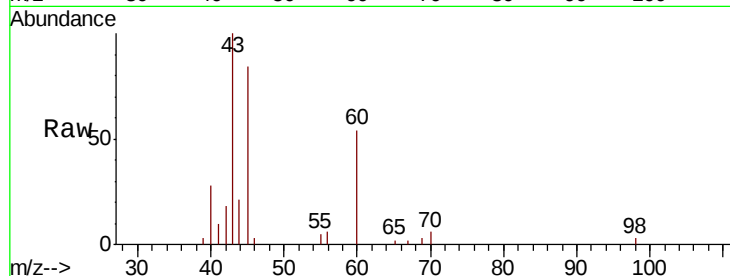
Tot Ion: 43 Resp: 20223

Ion Ratio Lower Upper

43 100

61 1.6 20.8 31.2#

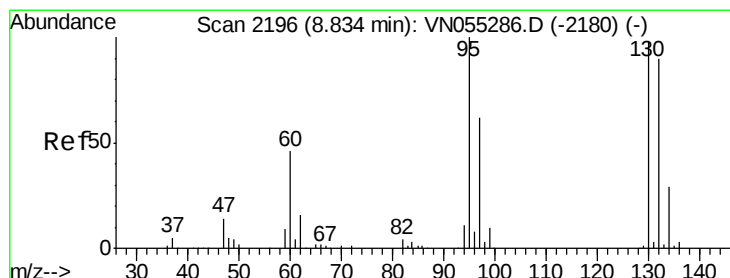
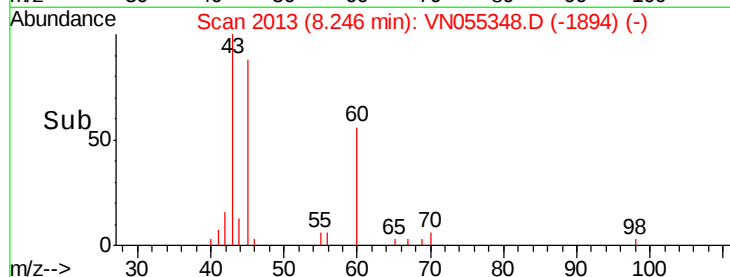
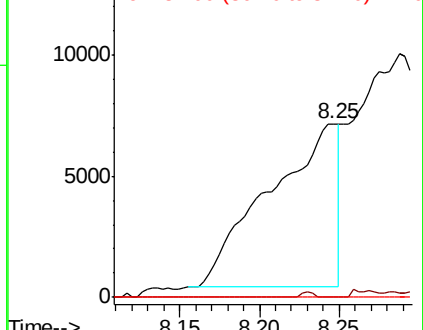
87 0.0 8.5 12.7#



Abundance Ion 43.00 (42.70 to 43.70): VN055348.D (-2013) (-)

Ion 61.00 (60.70 to 61.70): VN055348.D (-2013) (-)

Ion 87.00 (86.70 to 87.70): VN055348.D (-2013) (-)



#44

Trichloroethene

Concen: 0.912 ug/l

RT: 8.83 min Scan# 2195

Delta R.T. -0.00 min

Lab File: VN055348.D

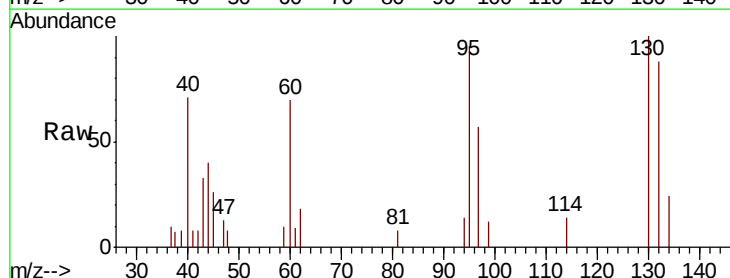
Acq: 2 May 2019 14:14

Tgt Ion: 130 Resp: 3909

Ion Ratio Lower Upper

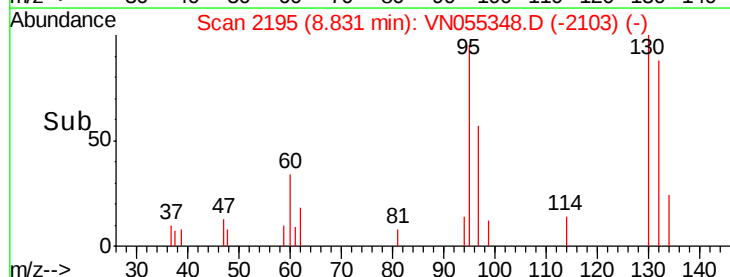
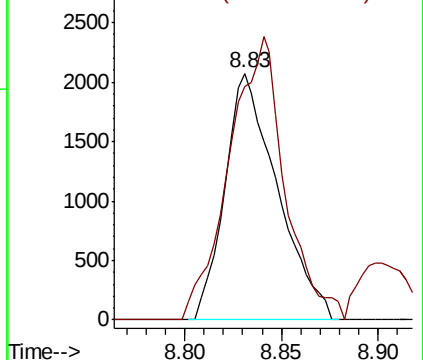
130 100

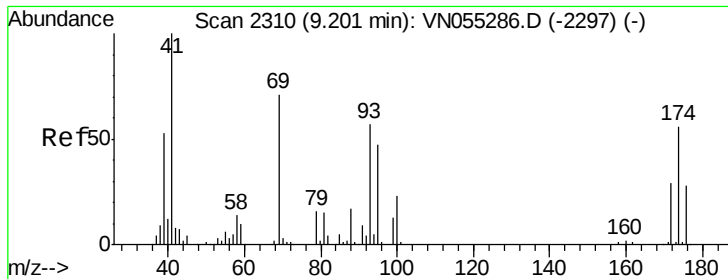
95 87.4 0.0 203.4



Abundance Ion 129.80 (129.50 to 130.50): VN055348.D (-2195) (-)

Ion 94.90 (94.60 to 95.60): VN055348.D (-2195) (-)

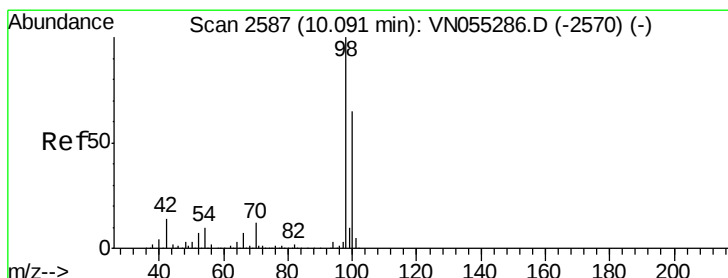
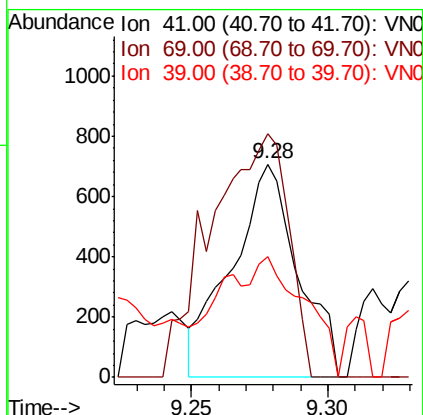
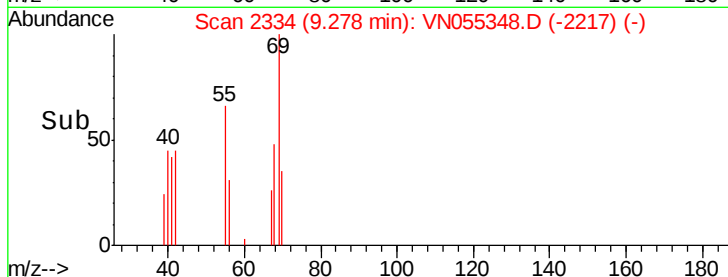
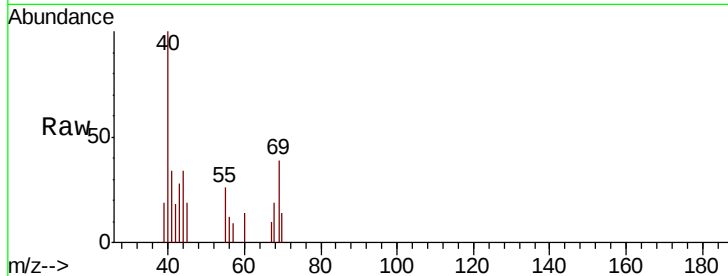




#48
Methyl methacrylate
Concen: 0.347 ug/l
RT: 9.28 min Scan# 2334
Delta R.T. 0.08 min
Lab File: VN055348.D
Acq: 2 May 2019 14:14

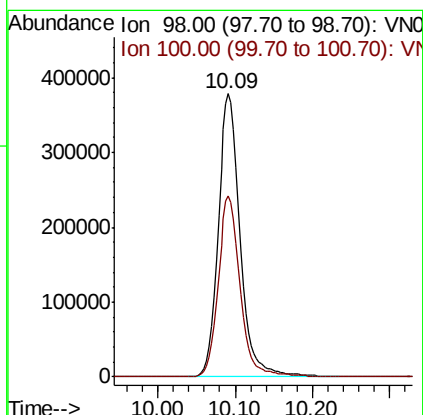
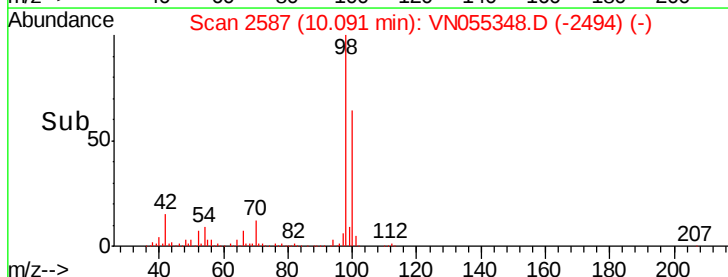
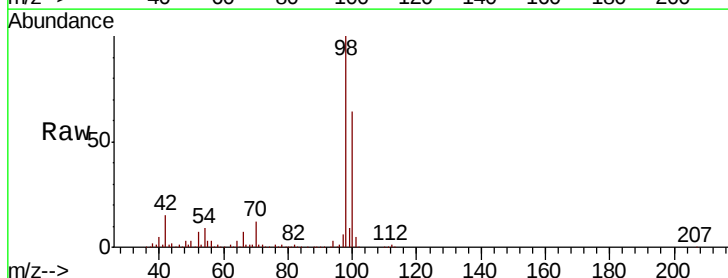
Instrument :
MSVOA_N
ClientSampled :
EP1-PZ-E3-4

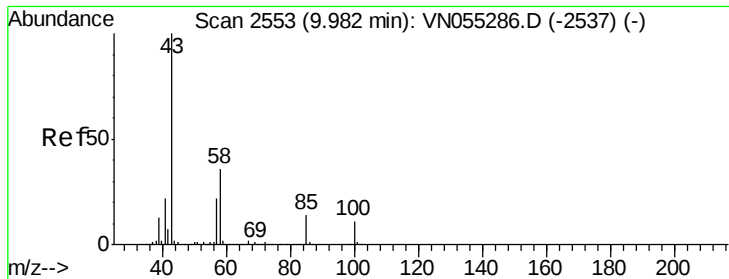
Tot Ion: 41 Resp: 1199
Ion Ratio Lower Upper
41 100
69 132.9 58.6 87.8#
39 41.1 43.8 65.6#



#50
Toluene-d8
Concen: 53.167 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN055348.D
Acq: 2 May 2019 14:14

Tgt Ion: 98 Resp: 750427
Ion Ratio Lower Upper
98 100
100 63.9 51.7 77.5

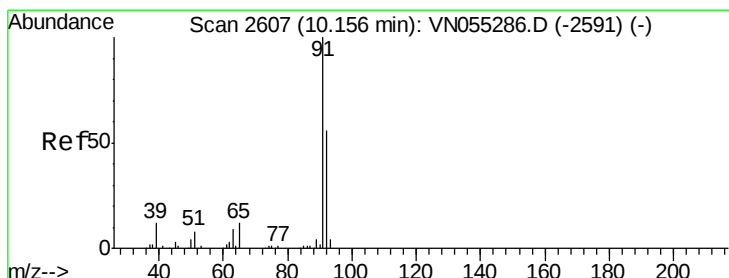
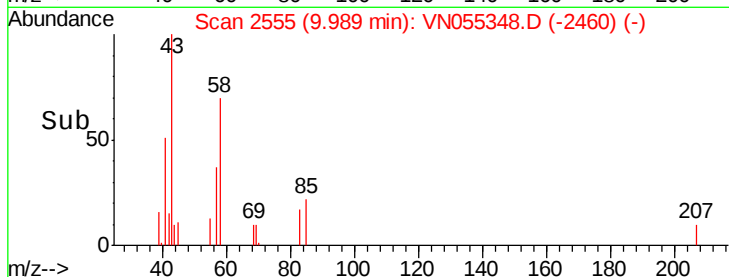
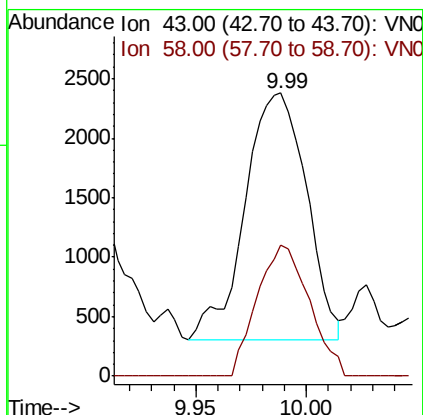
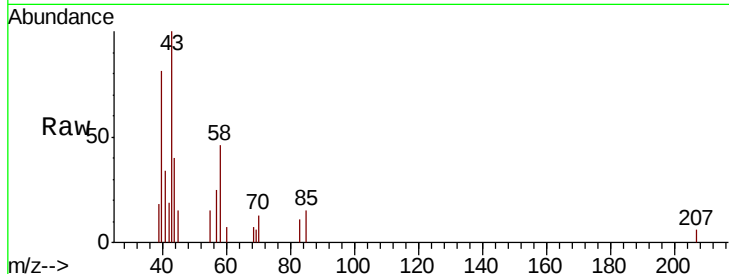




#51
 4-Methyl-2-Pentanone
 Concen: 1.019 ug/l
 RT: 9.99 min Scan# 2555
 Delta R.T. 0.01 min
 Lab File: VN055348.D
 Acq: 2 May 2019 14:14

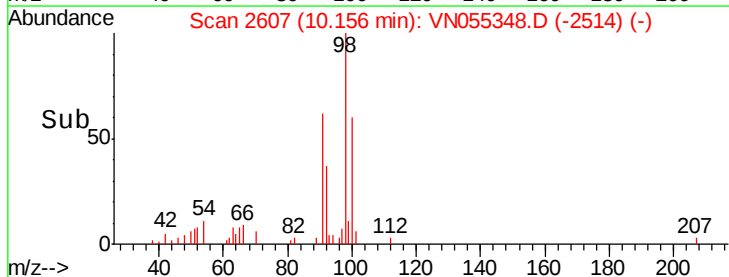
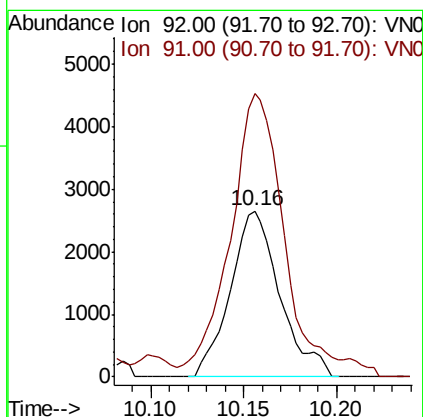
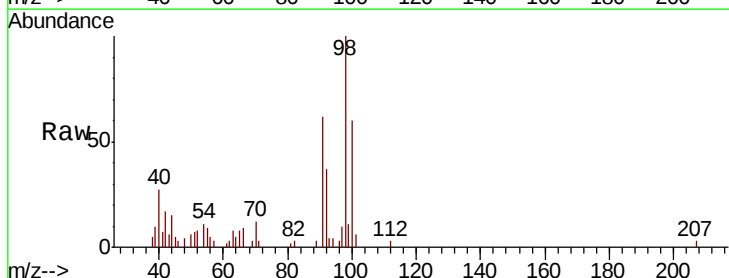
Instrument :
 MSVOA_N
 ClientSampled :
 EP1-PZ-E3-4

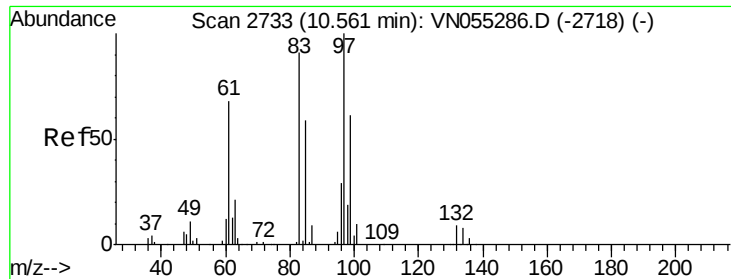
Tot Ion: 43 Resp: 4029
 Ion Ratio Lower Upper
 43 100
 58 44.7 28.5 42.7#



#52
 Toluene
 Concen: 0.509 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. 0.00 min
 Lab File: VN055348.D
 Acq: 2 May 2019 14:14

Tgt Ion: 92 Resp: 4910
 Ion Ratio Lower Upper
 92 100
 91 189.1 140.1 210.1

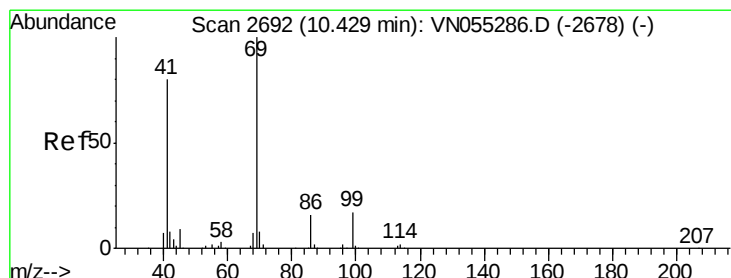
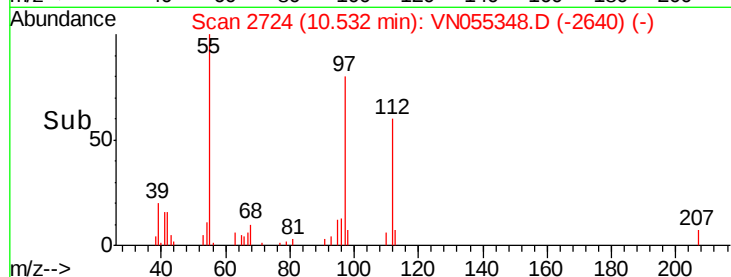
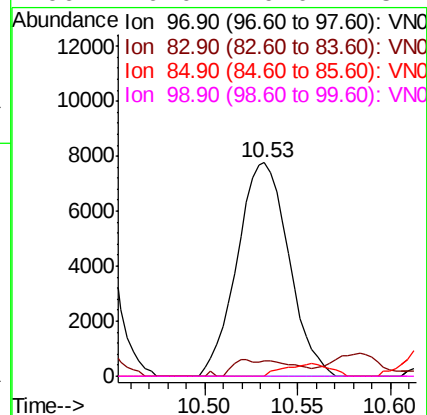
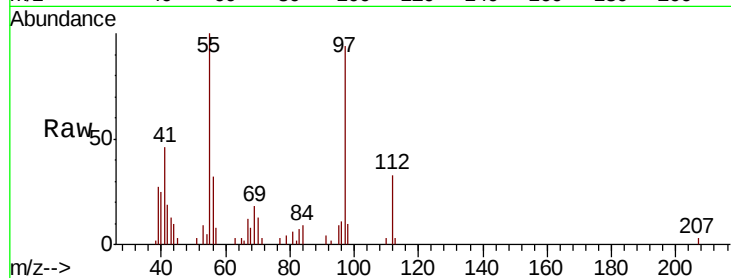




#55
 1,1,2-Trichloroethane
 Concen: 4.173 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.03 min
 Lab File: VN055348.D
 Acq: 2 May 2019 14:14

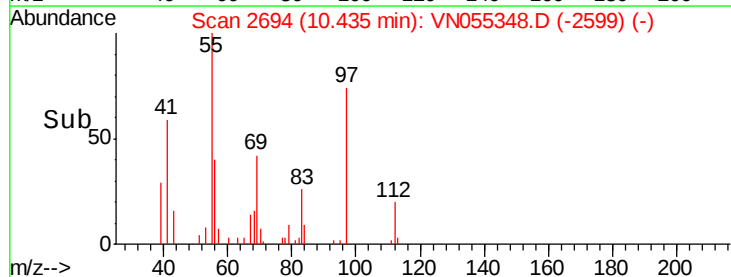
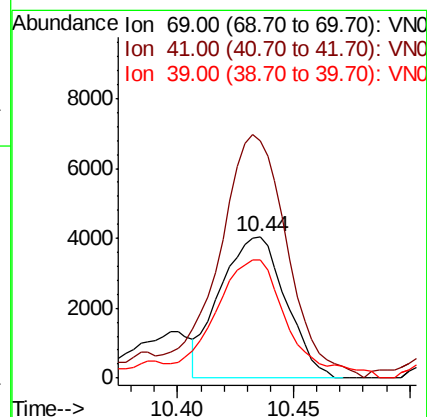
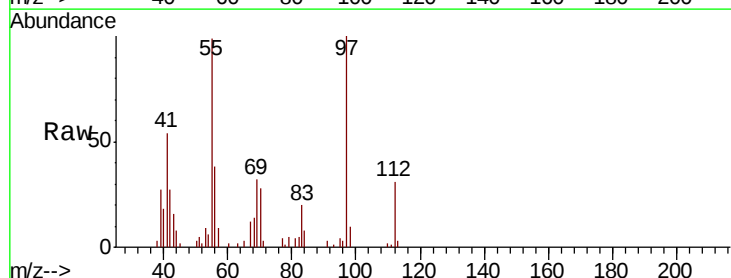
Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-PZ-E3-4

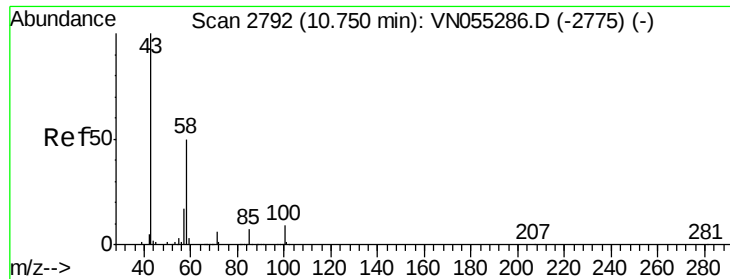
Tot Ion: 97 Resp: 14952
 Ion Ratio Lower Upper
 97 100
 83 7.2 72.8 109.2#
 85 0.0 47.0 70.6#
 99 0.0 49.0 73.4#



#56
 Ethyl methacrylate
 Concen: 1.808 ug/l
 RT: 10.44 min Scan# 2694
 Delta R.T. 0.01 min
 Lab File: VN055348.D
 Acq: 2 May 2019 14:14

Tgt Ion: 69 Resp: 7974
 Ion Ratio Lower Upper
 69 100
 41 179.7 62.7 94.1#
 39 92.3 32.0 48.0#

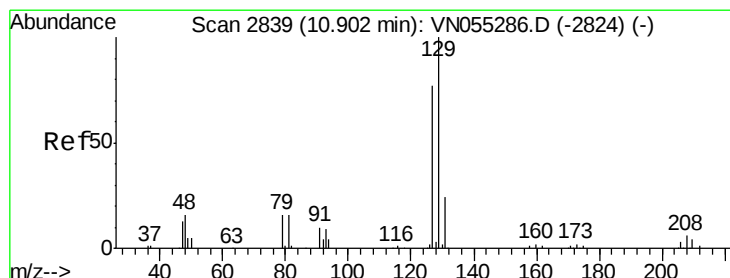
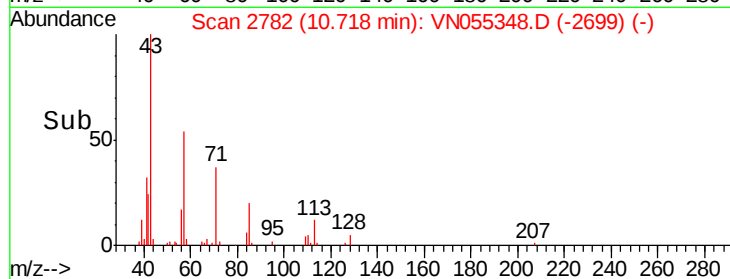
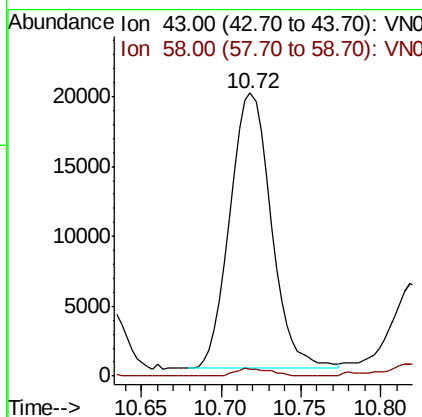
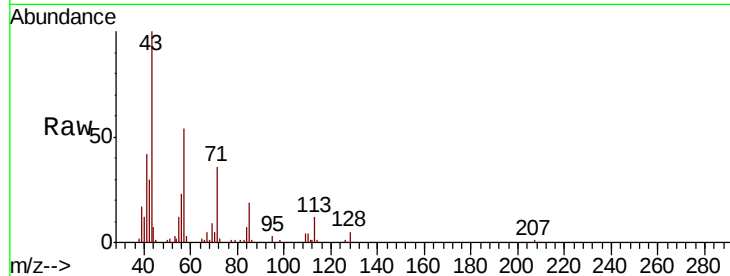




#59
2-Hexanone
Concen: 14.037 ug/l
RT: 10.72 min Scan# 2782
Delta R.T. -0.03 min
Lab File: VN055348.D
Acq: 2 May 2019 14:14

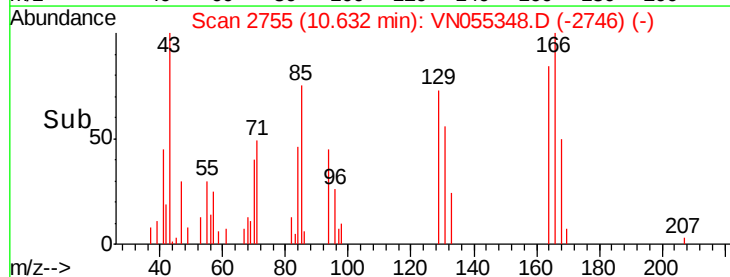
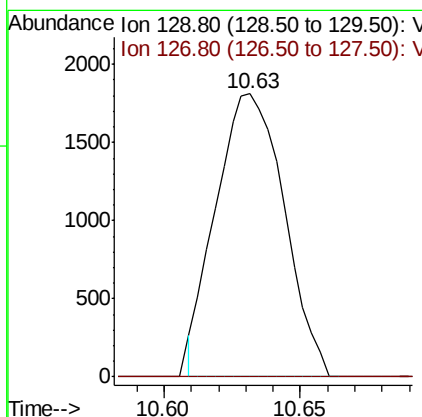
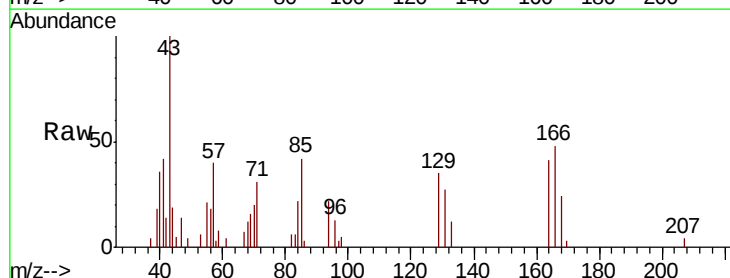
Instrument :
MSVOA_N
ClientSampleId :
EP1-PZ-E3-4

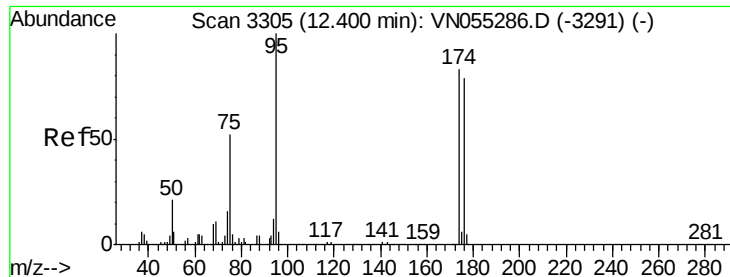
Tot Ion: 43 Resp: 34743
Ion Ratio Lower Upper
43 100
58 2.4 24.9 74.6#



#60
Dibromochloromethane
Concen: 0.859 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.27 min
Lab File: VN055348.D
Acq: 2 May 2019 14:14

Tgt Ion: 129 Resp: 3146
Ion Ratio Lower Upper
129 100
127 0.0 38.1 114.5#





#62

4-Bromofluorobenzene

Concen: 62.936 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055348.D

Acq: 2 May 2019 14:14

Instrument :

MSVOA_N

ClientSampled :

EP1-PZ-E3-4

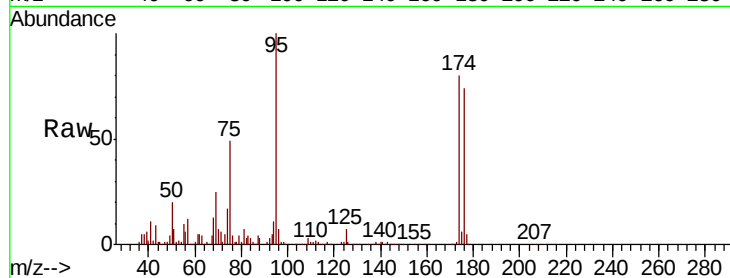
Tot Ion: 95 Resp: 277631

Ion Ratio Lower Upper

95 100

174 82.7 0.0 166.6

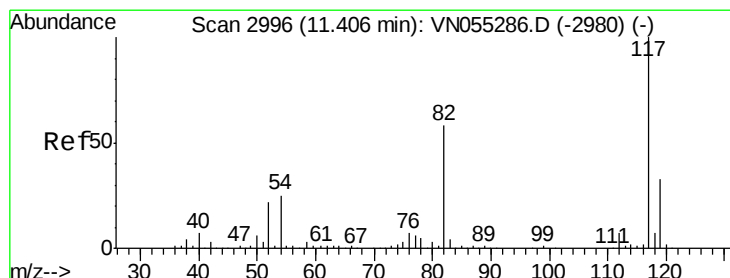
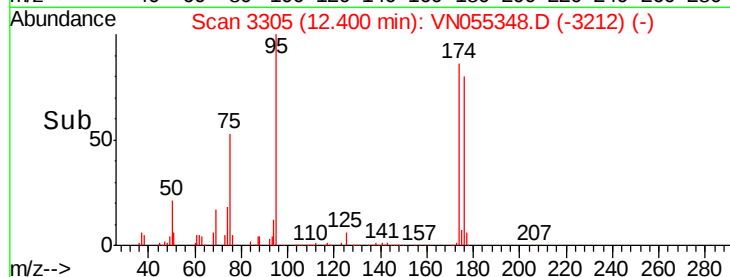
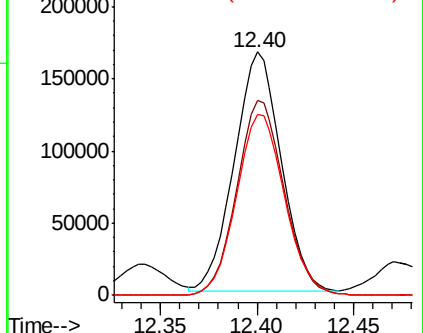
176 78.4 0.0 157.8



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN055348.D

Acq: 2 May 2019 14:14

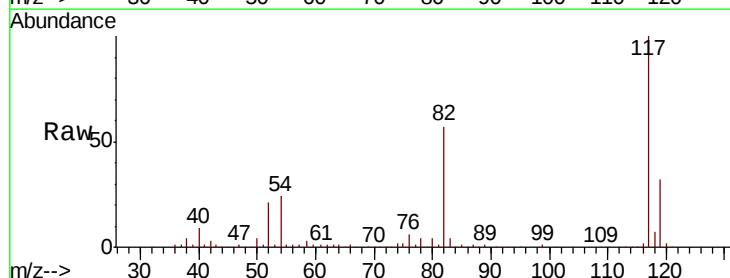
Tgt Ion: 117 Resp: 572416

Ion Ratio Lower Upper

117 100

82 56.6 46.2 69.4

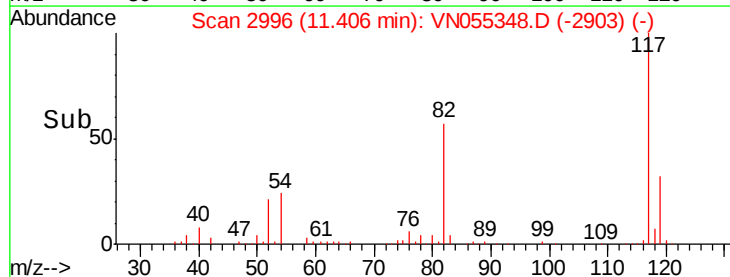
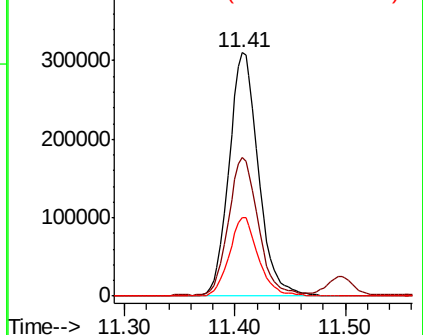
119 32.5 26.6 40.0

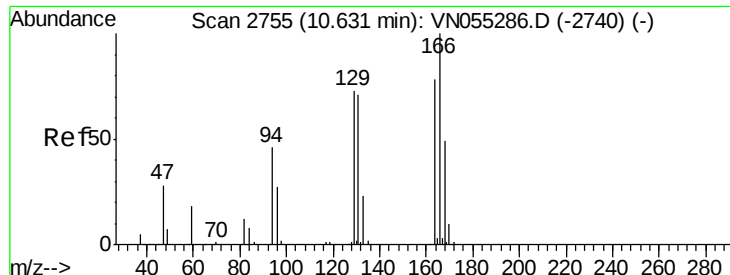


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0

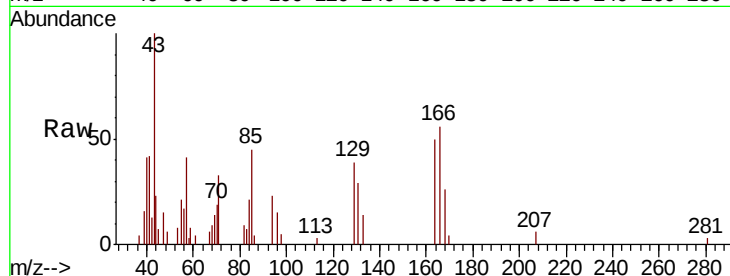




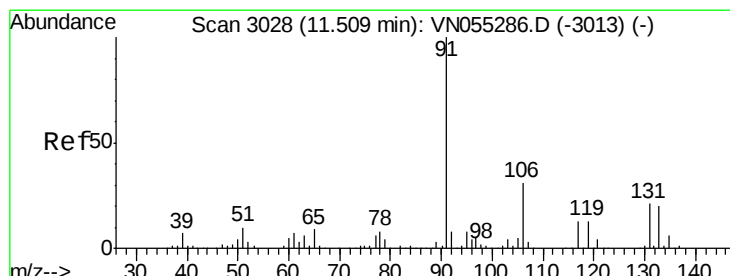
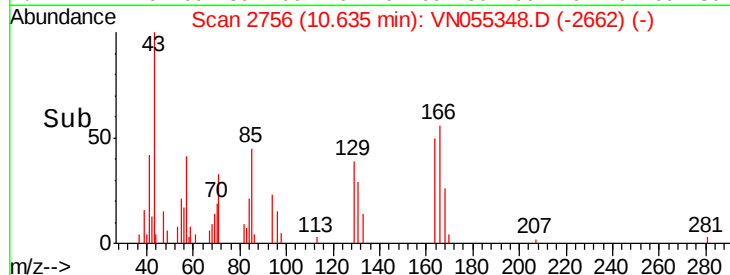
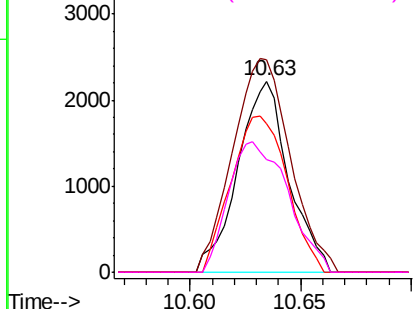
#64
Tetrachloroethene
Concen: 0.760 ug/l
RT: 10.63 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN055348.D
Acq: 2 May 2019 14:14

Instrument :
MSVOA_N
ClientSampled :
EP1-PZ-E3-4

Tot Ion:164 Resp: 3558
Ion Ratio Lower Upper
164 100
166 111.4 102.3 153.5
129 77.4 75.0 112.6
131 58.6 72.7 109.1#

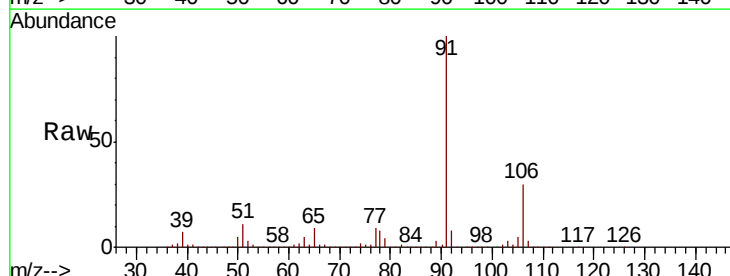


Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

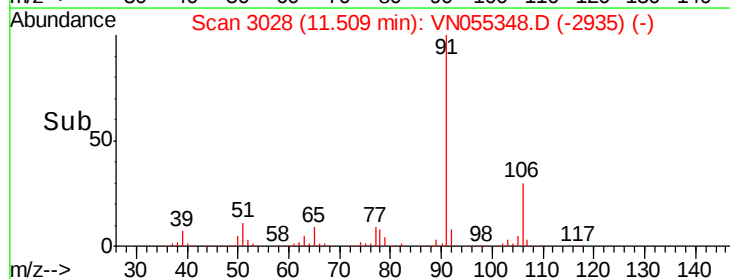
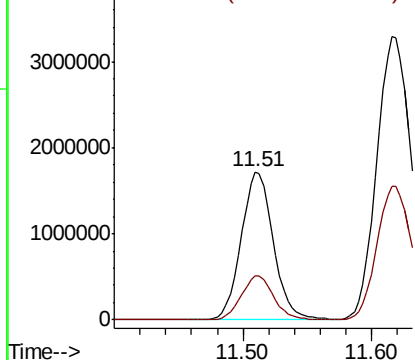


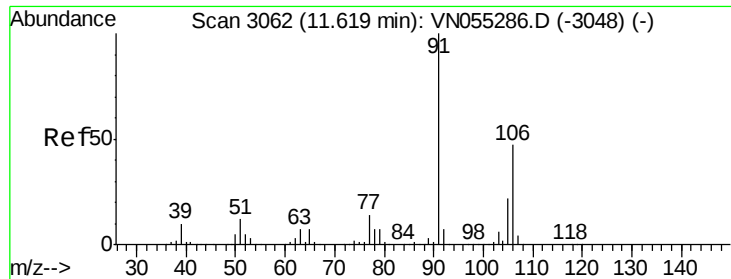
#67
Ethyl Benzene
Concen: 147.706 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055348.D
Acq: 2 May 2019 14:14

Tgt Ion: 91 Resp: 2985072
Ion Ratio Lower Upper
91 100
106 29.9 24.6 36.8



Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 106.00 (105.70 to 106.70): V

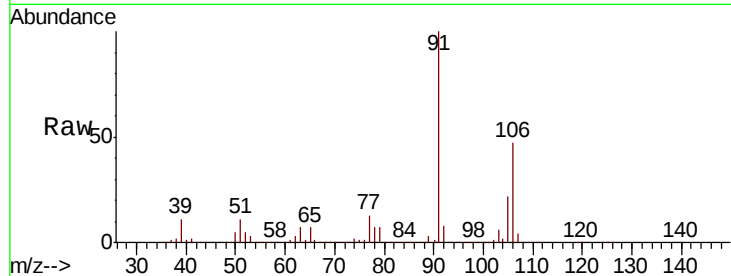




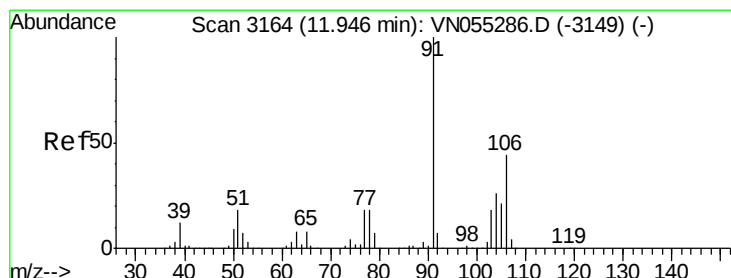
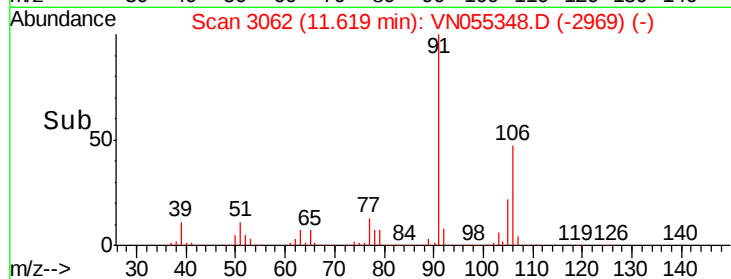
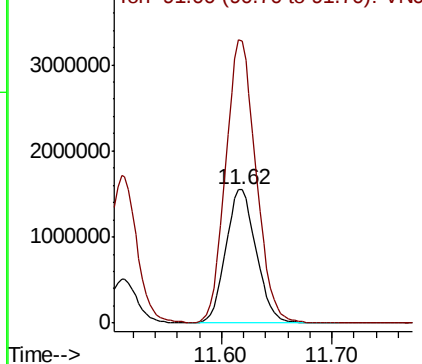
#68
m/p-Xvlenes
Concen: 411.351 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055348.D
Acq: 2 May 2019 14:14

Instrument :
MSVOA_N
ClientSampled :
EP1-PZ-E3-4

Tot Ion:106 Resp: 2967359
Ion Ratio Lower Upper
106 100
91 211.6 169.5 254.3

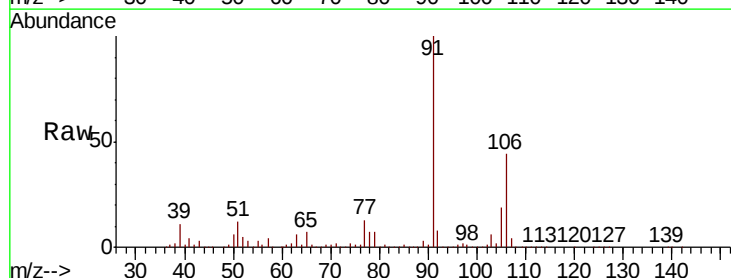


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

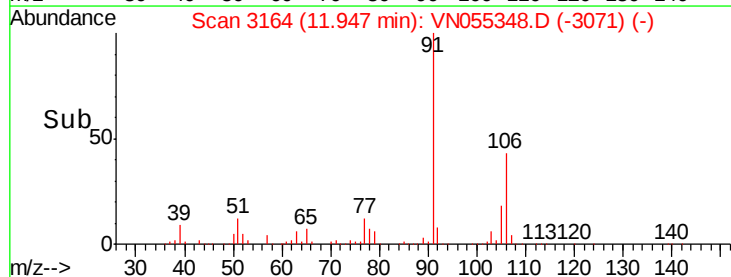
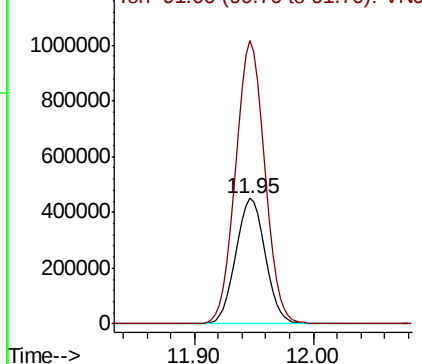


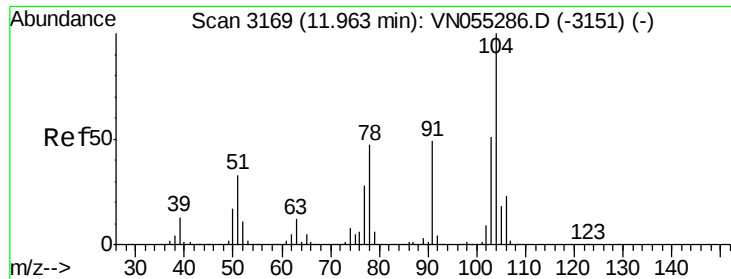
#69
o-Xylene
Concen: 108.572 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055348.D
Acq: 2 May 2019 14:14

Tgt Ion:106 Resp: 776283
Ion Ratio Lower Upper
106 100
91 222.6 111.5 334.5



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

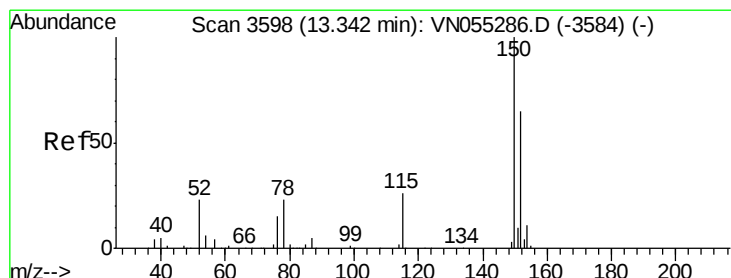
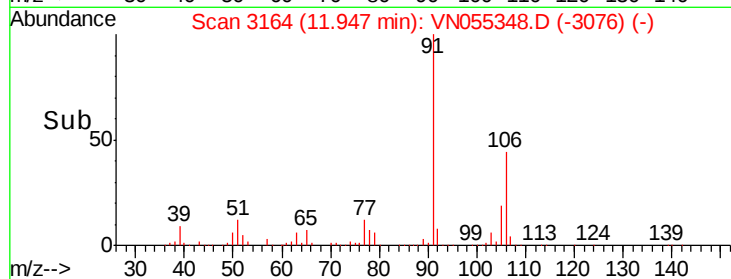
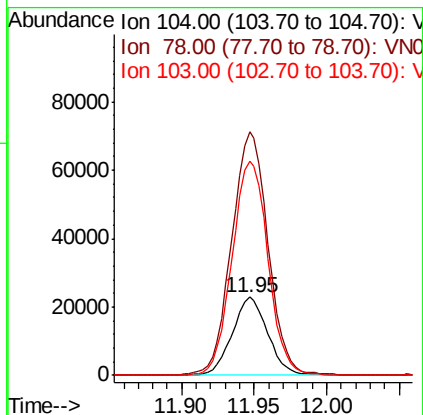
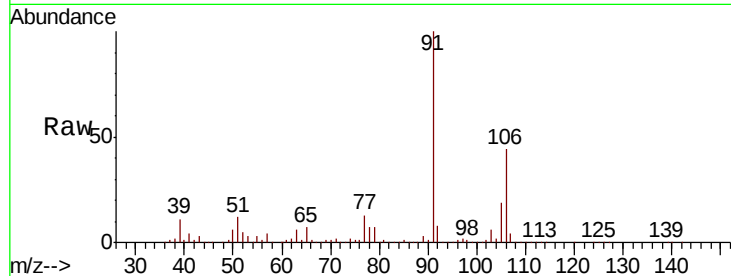




#70
Stvrene
Concen: 3.557 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.02 min
Lab File: VN055348.D
Acq: 2 May 2019 14:14

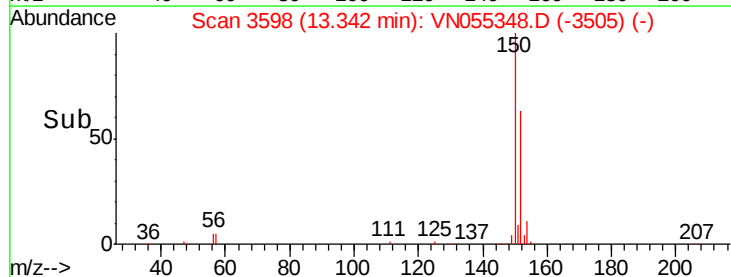
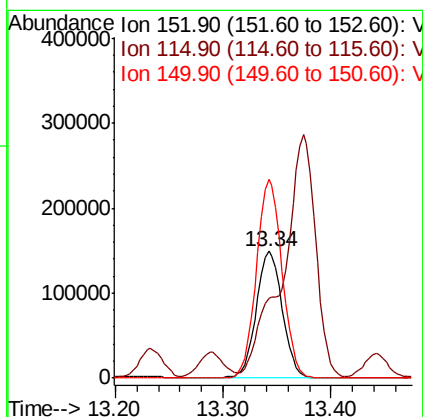
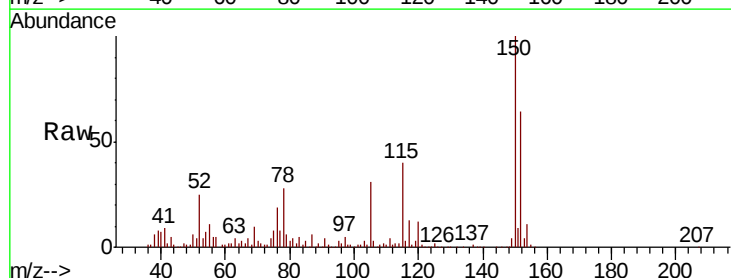
Instrument :
MSVOA_N
ClientSampled :
EP1-PZ-E3-4

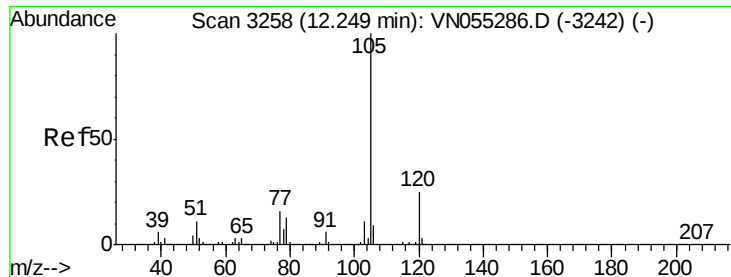
Tot Ion:104 Resp: 39044
Ion Ratio Lower Upper
104 100
78 319.3 42.2 63.2#
103 276.7 44.6 67.0#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055348.D
Acq: 2 May 2019 14:14

Tgt Ion:152 Resp: 249288
Ion Ratio Lower Upper
152 100
115 0.0 29.0 87.0#
150 154.6 0.0 345.6





#73

Isopropylbenzene

Concen: 156.066 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055348.D

Acq: 2 May 2019 14:14

Instrument :

MSVOA_N

ClientSampleId :

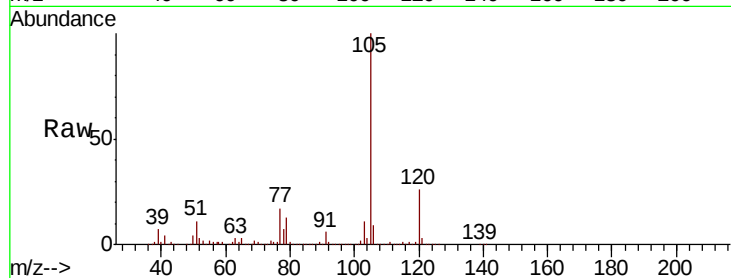
EP1-PZ-E3-4

Tot Ion:105 Resp: 2962628

Ion Ratio Lower Upper

105 100

120 26.0 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

2000000

1500000

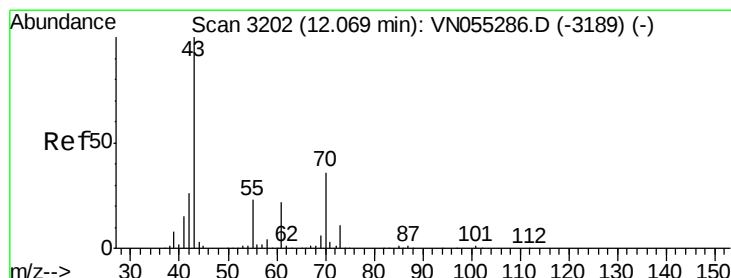
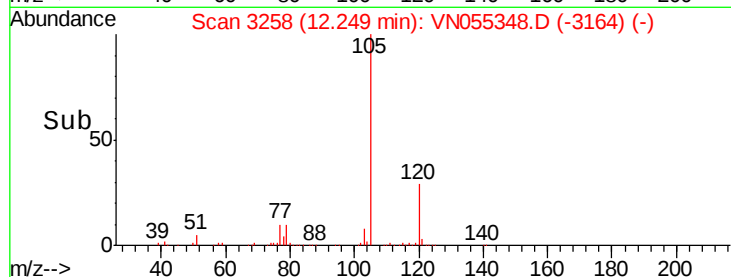
1000000

500000

0

Time-->

12.20 12.30



#74

N-ethyl acetate

Concen: 34.855 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.03 min

Lab File: VN055348.D

Acq: 2 May 2019 14:14

Tgt Ion: 43 Resp: 222993

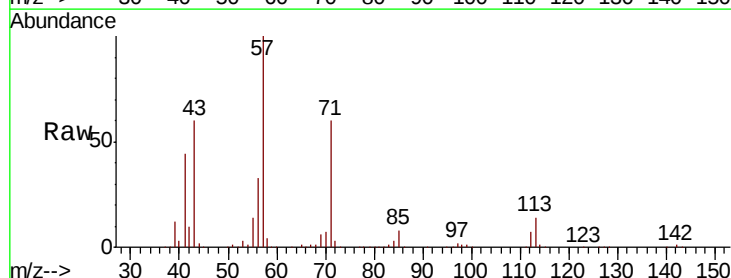
Ion Ratio Lower Upper

43 100

70 8.9 27.9 41.9#

55 11.0 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

200000

150000

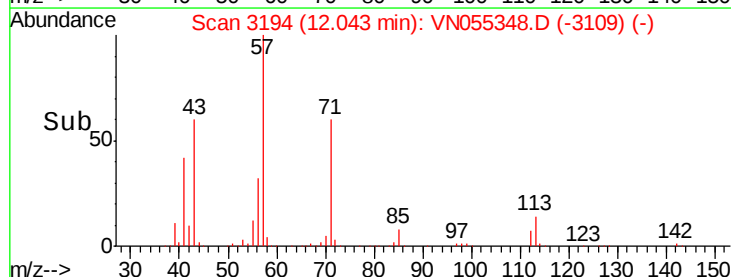
100000

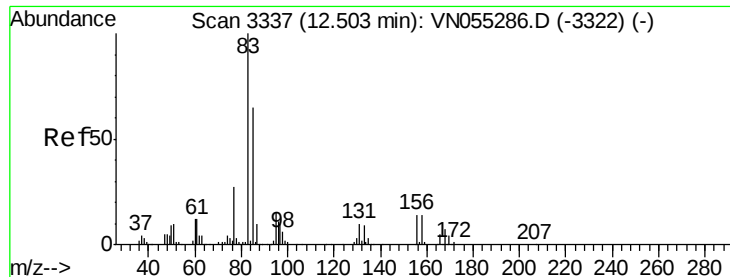
50000

0

Time-->

12.00 12.05





#75

1,1,2,2-Tetrachloroethane

Concen: 0.678 ug/l

RT: 12.47 min Scan# 3328

Delta R.T. -0.03 min

Lab File: VN055348.D

Acq: 2 May 2019 14:14

Instrument :

MSVOA_N

ClientSampled :

EP1-PZ-E3-4

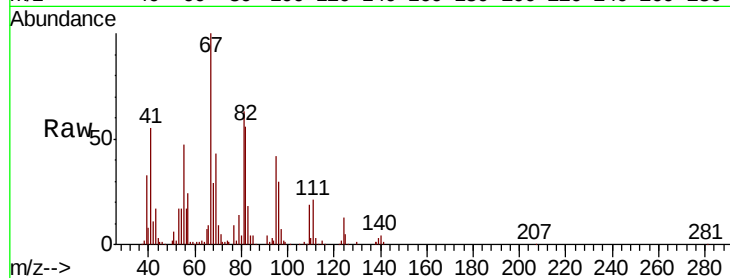
Tot Ion: 83 Resp: 18845

Ion Ratio Lower Upper

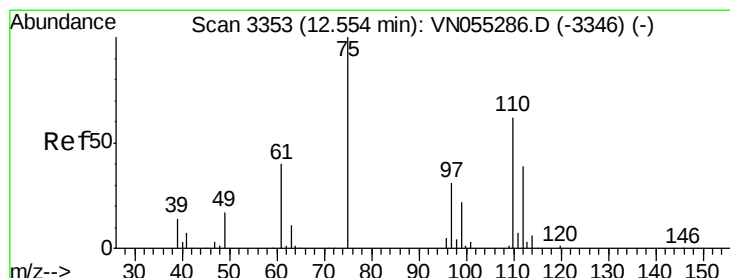
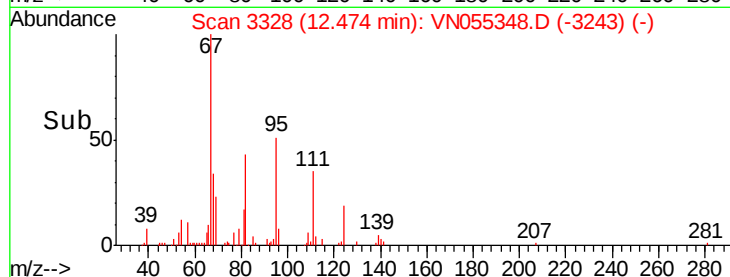
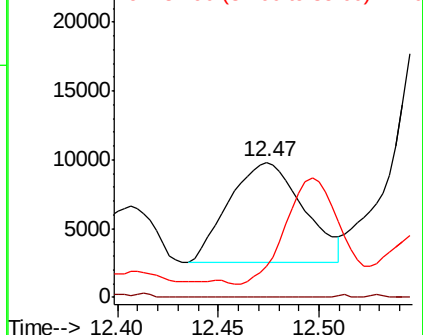
83 100

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: 6.282 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.04 min

Lab File: VN055348.D

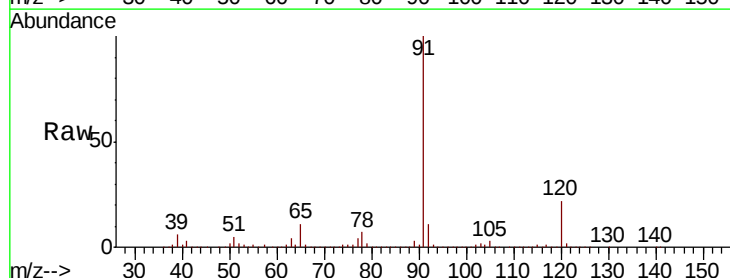
Acq: 2 May 2019 14:14

Tgt Ion: 75 Resp: 39307

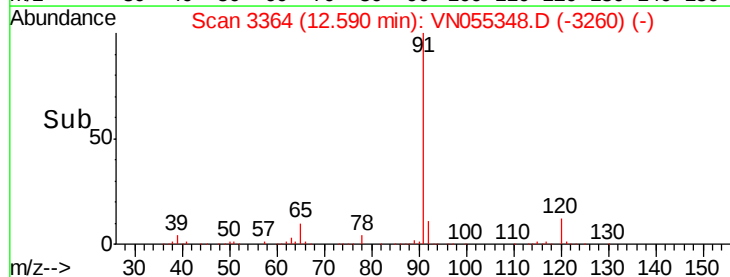
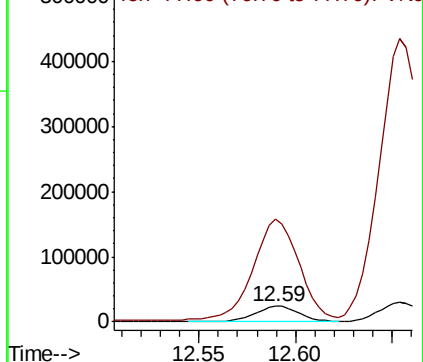
Ion Ratio Lower Upper

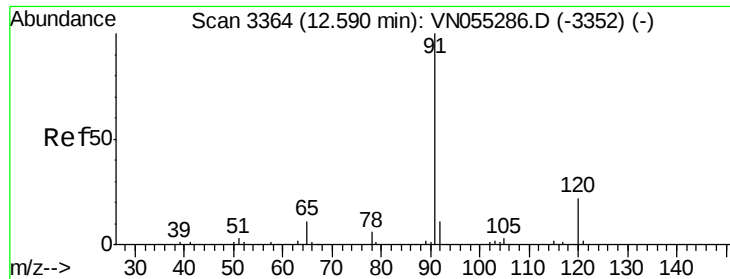
75 100

77 652.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#78

n-propylbenzene

Concen: 241.633 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055348.D

Acq: 2 May 2019 14:14

Instrument :

MSVOA_N

ClientSampled :

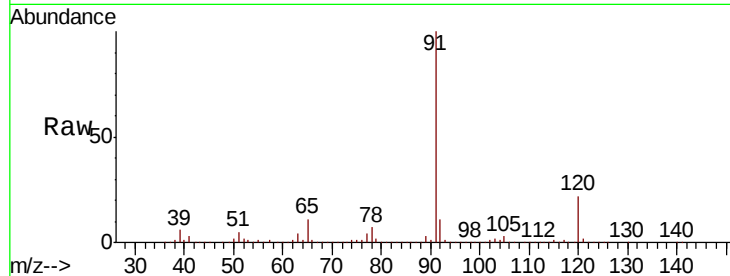
EP1-PZ-E3-4

Tot Ion: 91 Resp: 6187517

Ion Ratio Lower Upper

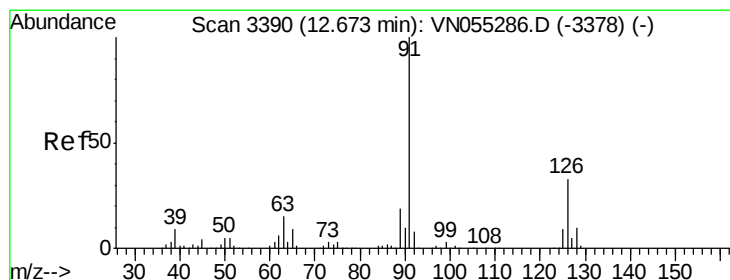
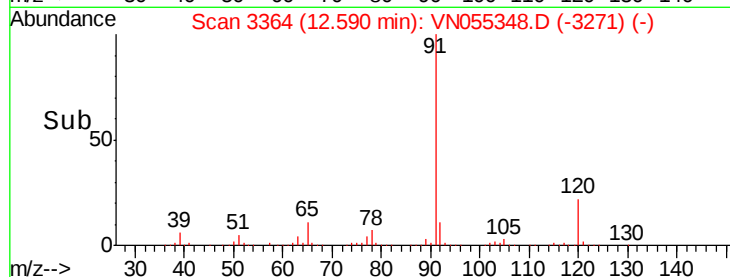
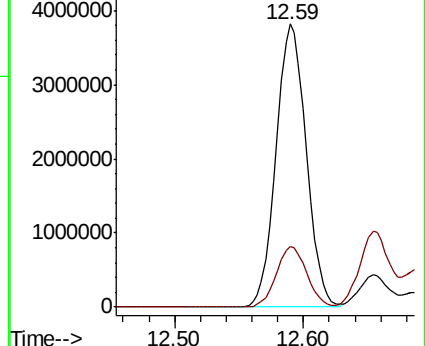
91 100

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: 45.301 ug/l

RT: 12.65 min Scan# 3384

Delta R.T. -0.02 min

Lab File: VN055348.D

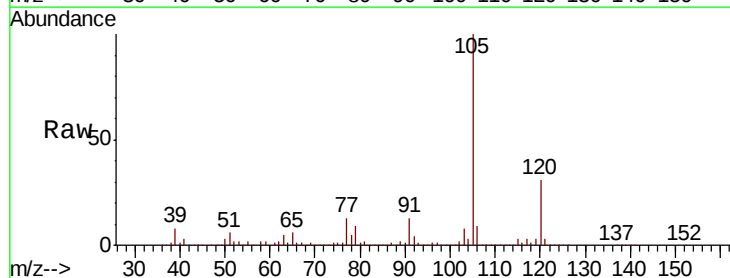
Acq: 2 May 2019 14:14

Tgt Ion: 91 Resp: 615413

Ion Ratio Lower Upper

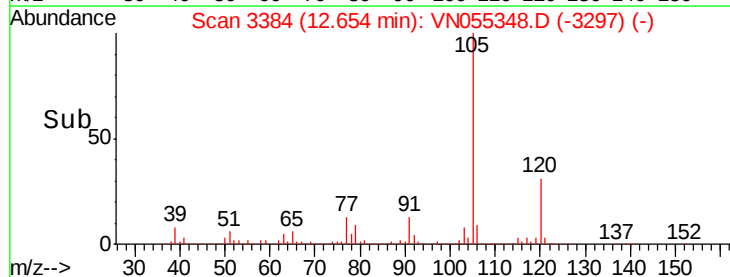
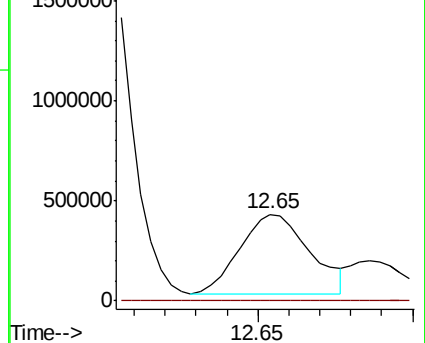
91 100

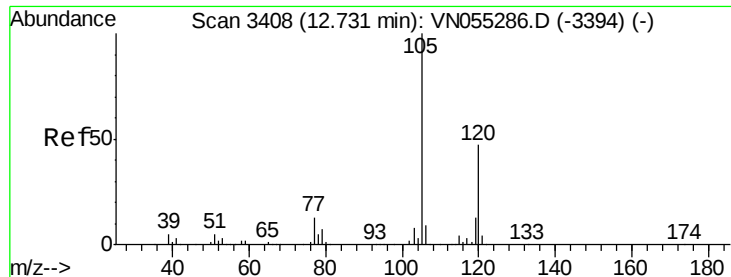
126 0.1 16.6 49.7#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#80

1,3,5-Trimethylbenzene

Concen: 261.181 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055348.D

Acq: 2 May 2019 14:14

Instrument :

MSVOA_N

ClientSampled :

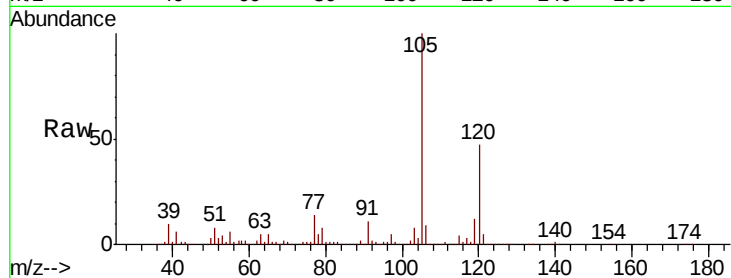
EP1-PZ-E3-4

Tot Ion:105 Resp: 5104354

Ion Ratio Lower Upper

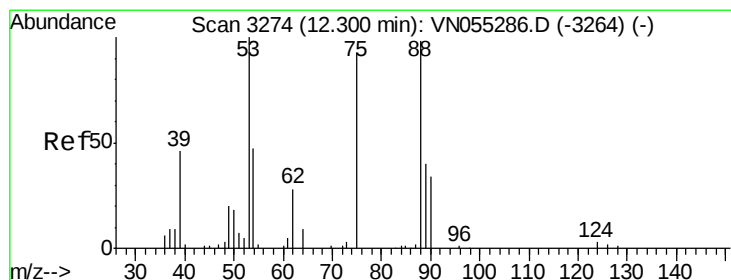
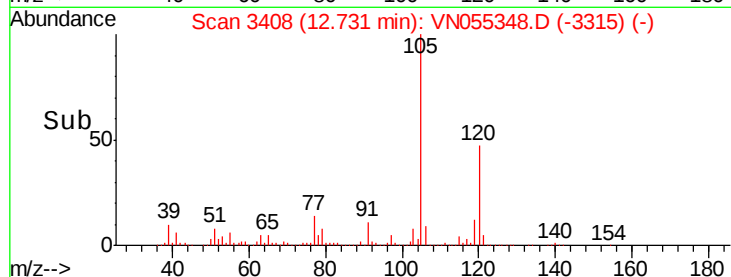
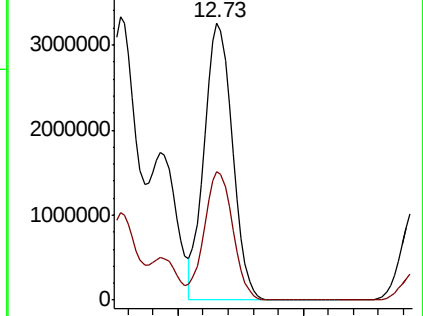
105 100

120 47.4 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 27.981 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.05 min

Lab File: VN055348.D

Acq: 2 May 2019 14:14

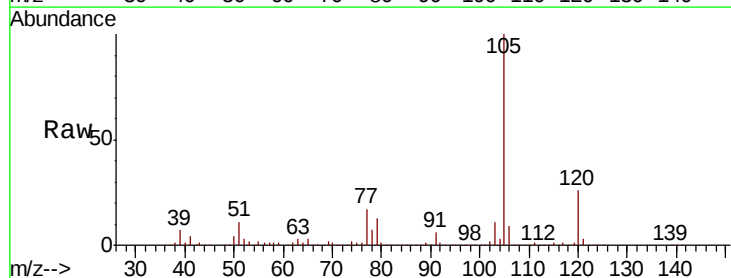
Tgt Ion: 75 Resp: 36808

Ion Ratio Lower Upper

75 100

53 100.3 86.3 129.5

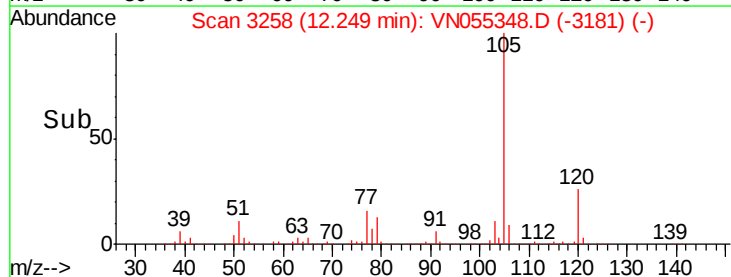
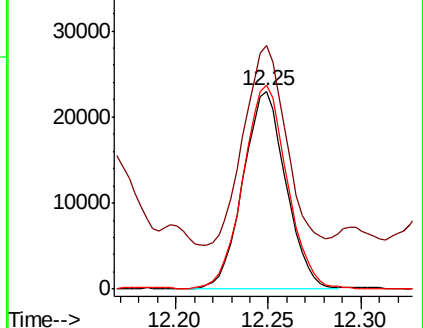
89 106.2 34.6 51.8#

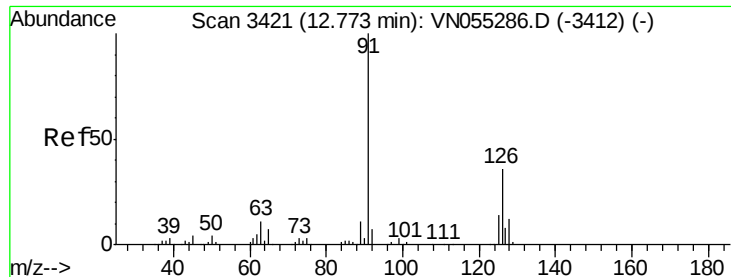


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#82

4-Chlorotoluene

Concen: 37.799 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.04 min

Lab File: VN055348.D

Acq: 2 May 2019 14:14

Instrument :

MSVOA_N

ClientSampleId :

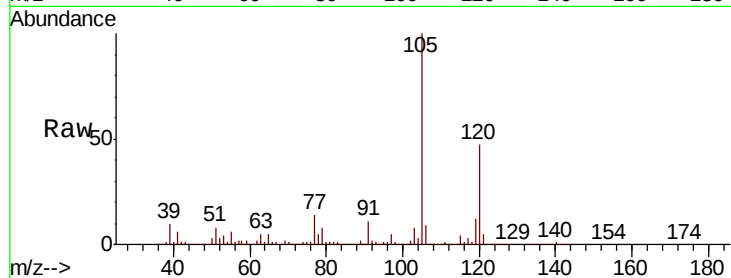
EP1-PZ-E3-4

Tot Ion: 91 Resp: 562789

Ion Ratio Lower Upper

91 100

126 0.6 16.6 49.7#



Abundance Ion 91.00 (90.70 to 91.70): VN055348.D (-3328) (-)

Ion 125.90 (125.60 to 126.60): VN055348.D (-3328) (-)

500000

400000

300000

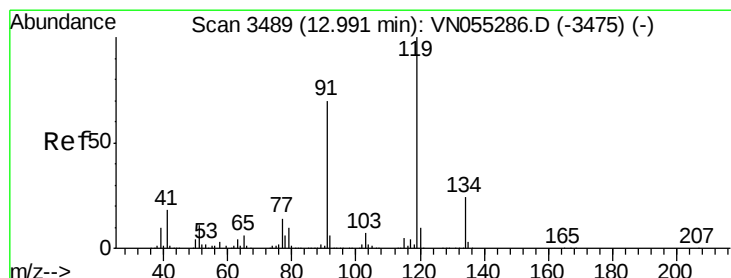
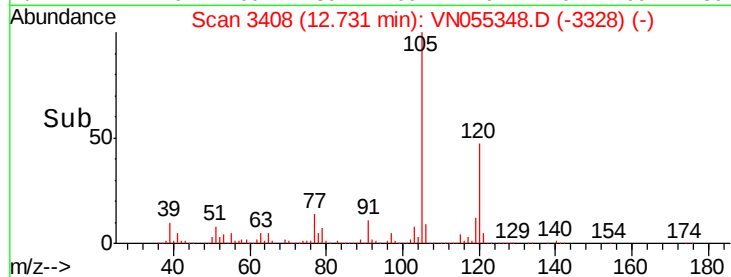
200000

100000

0

12.70 12.75 12.80

Time-->



#83

tert-Butylbenzene

Concen: 16.311 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN055348.D

Acq: 2 May 2019 14:14

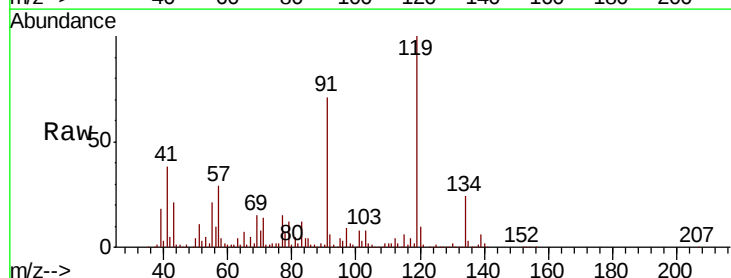
Tgt Ion: 119 Resp: 252763

Ion Ratio Lower Upper

119 100

91 71.4 34.3 102.9

134 24.9 13.1 39.3



Abundance Ion 119.00 (118.70 to 119.70): VN055348.D (-3396) (-)

Ion 91.00 (90.70 to 91.70): VN055348.D (-3396) (-)

Ion 134.00 (133.70 to 134.70): VN055348.D (-3396) (-)

2500000

2000000

1500000

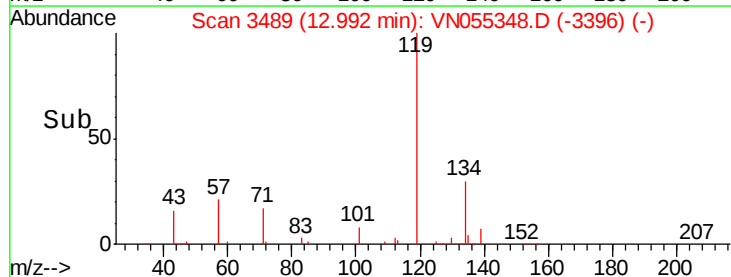
1000000

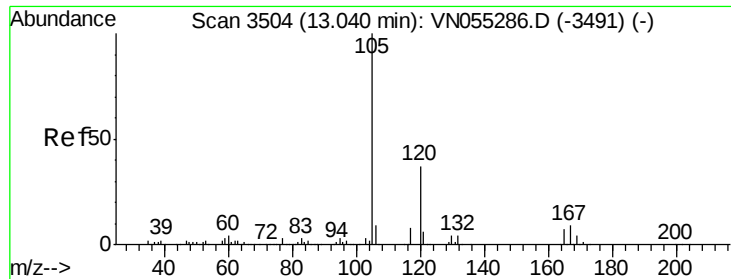
500000

0

12.95 13.00

Time-->

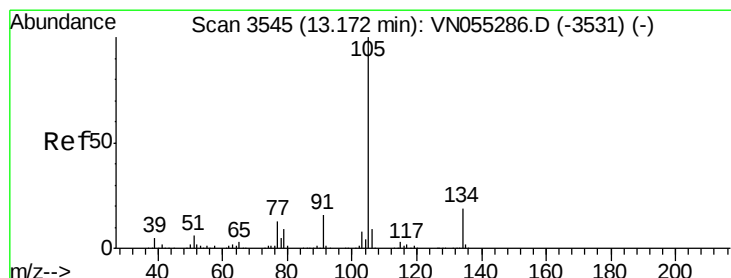
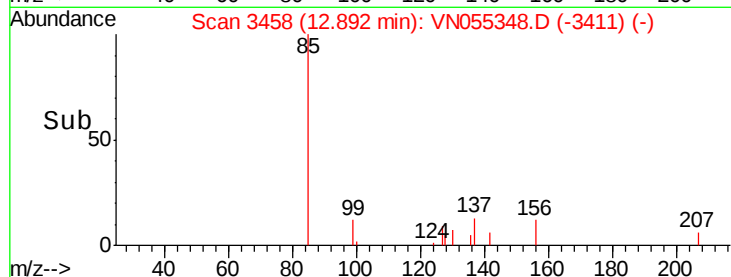
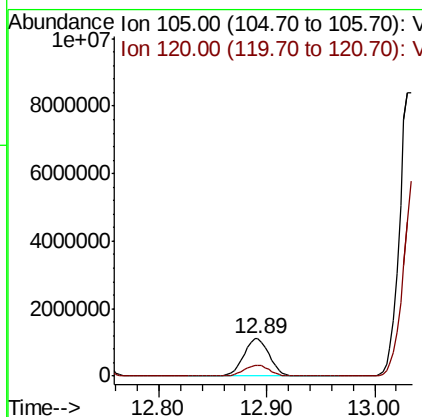
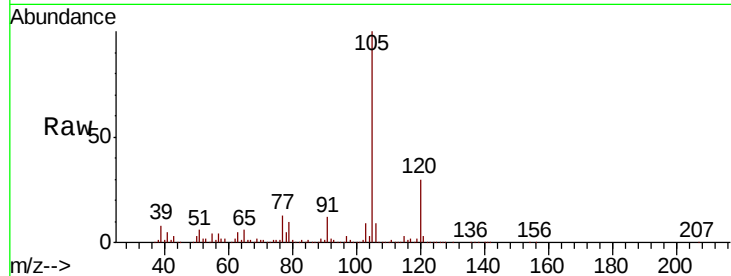




#84
 1,2,4-Trimethylbenzene
 Concen: 104.630 ug/l
 RT: 12.89 min Scan# 3458
 Delta R.T. -0.15 min
 Lab File: VN055348.D
 Acq: 2 May 2019 14:14

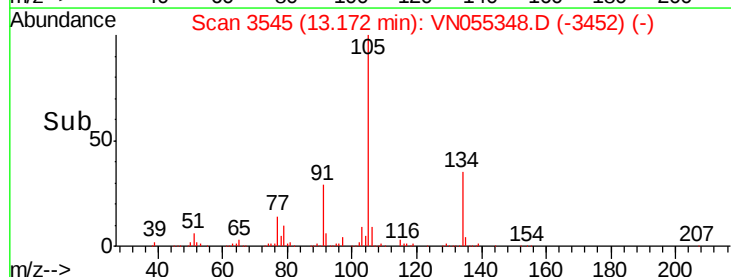
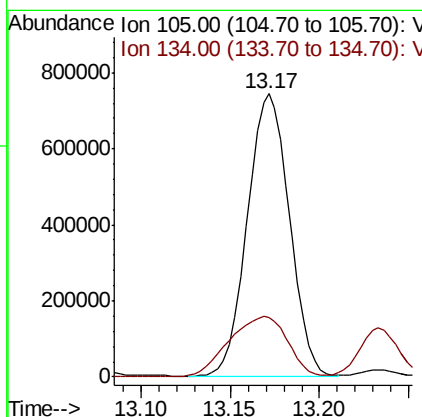
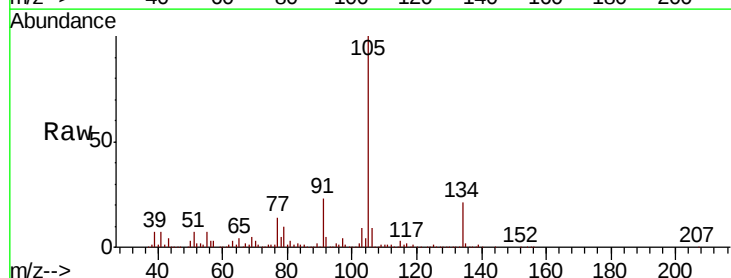
Instrument :
 MSVOA_N
 ClientSampled :
 EP1-PZ-E3-4

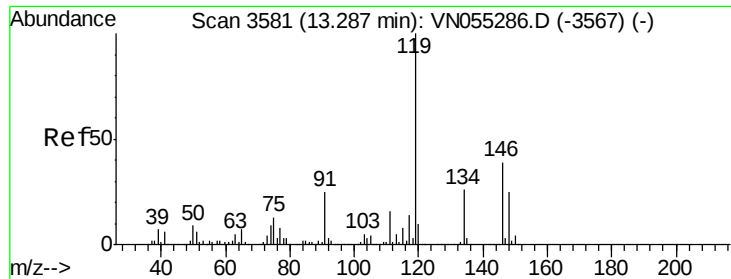
Tot Ion:105 Resp: 1828776
 Ion Ratio Lower Upper
 105 100
 120 29.8 22.1 66.5



#85
 sec-Butylbenzene
 Concen: 57.463 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN055348.D
 Acq: 2 May 2019 14:14

Tgt Ion:105 Resp: 1220620
 Ion Ratio Lower Upper
 105 100
 134 29.9 9.6 28.8#

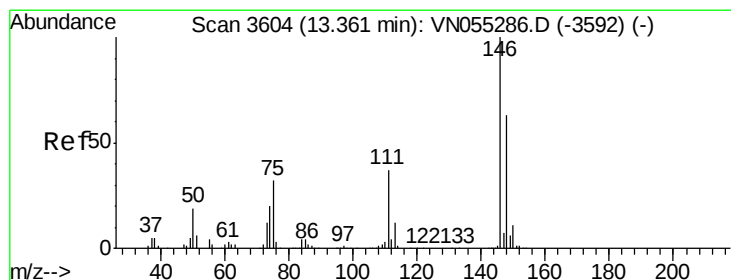
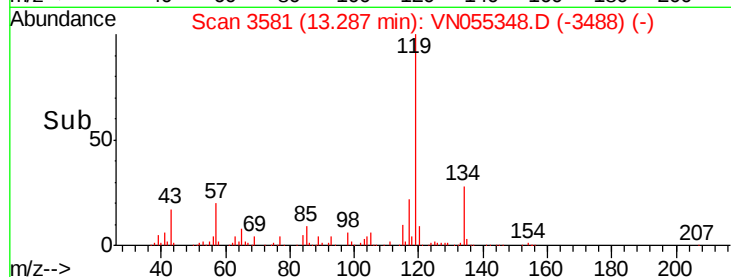
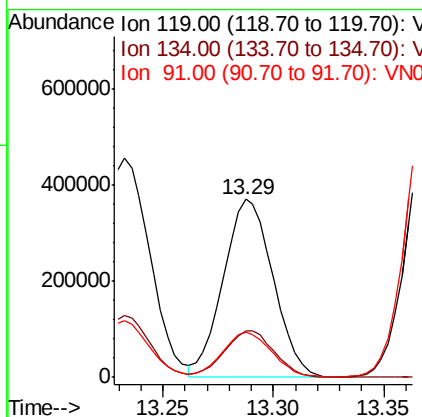
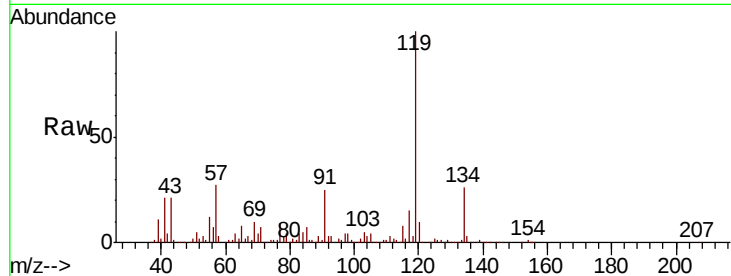




#86
 p-Isopropyltoluene
 Concen: 33.143 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN055348.D
 Acq: 2 May 2019 14:14

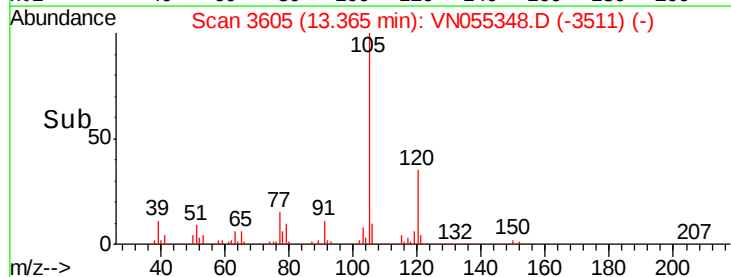
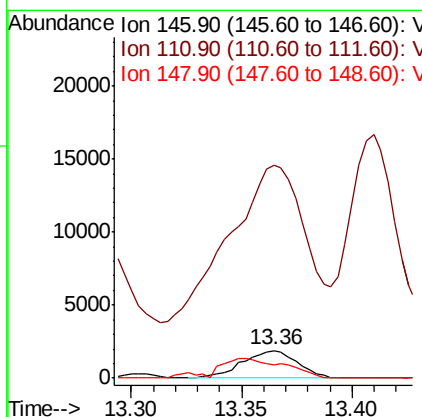
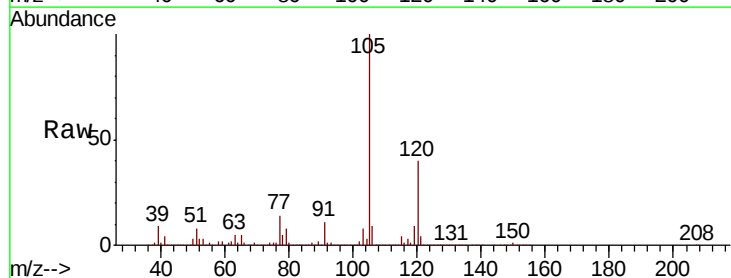
Instrument :
 MSVOA_N
 ClientSampled :
 EP1-PZ-E3-4

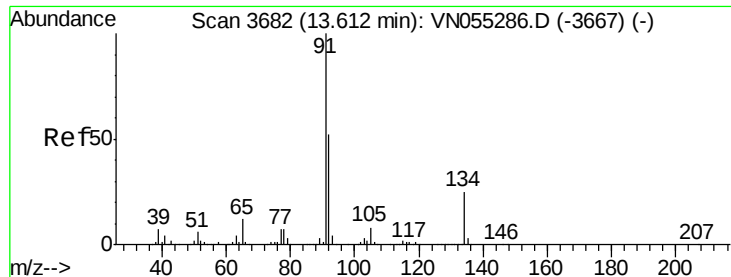
Tot Ion:119 Resp: 578649
 Ion Ratio Lower Upper
 119 100
 134 26.3 13.0 38.9
 91 24.4 12.2 36.6



#88
 1,4-Dichlorobenzene
 Concen: 0.410 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN055348.D
 Acq: 2 May 2019 14:14

Tgt Ion:146 Resp: 3217
 Ion Ratio Lower Upper
 146 100
 111 786.5 19.5 58.5#
 148 82.1 32.5 97.4

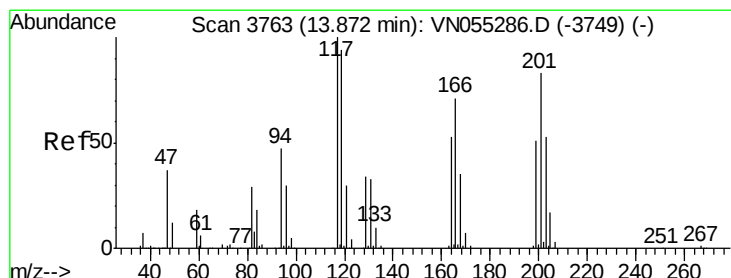
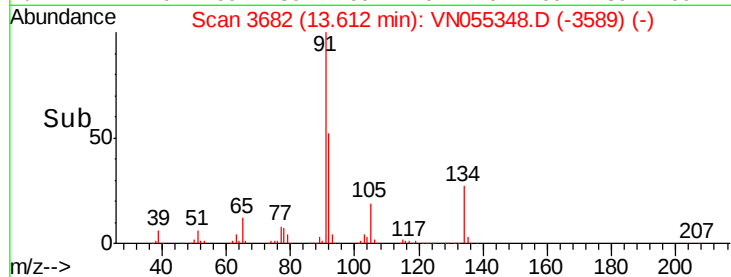
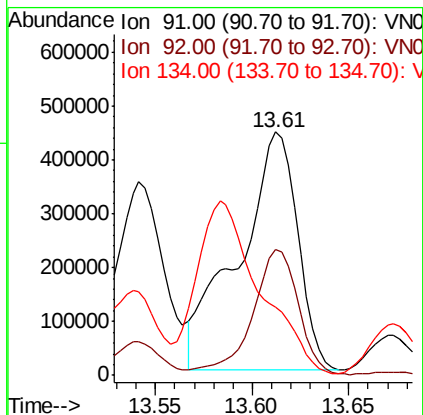
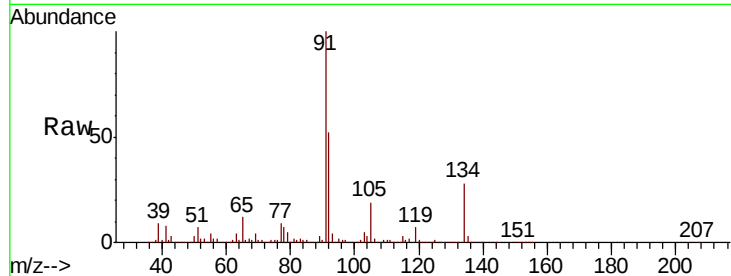




#89
n-Butylbenzene
Concen: 76.179 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055348.D
Acq: 2 May 2019 14:14

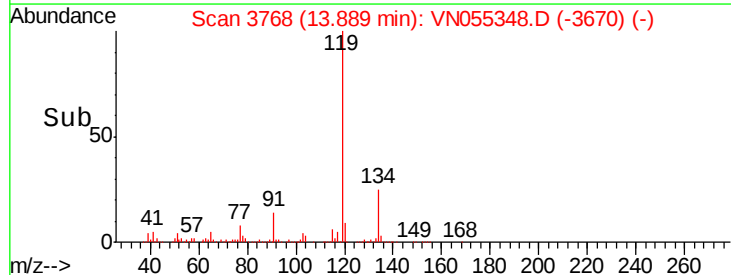
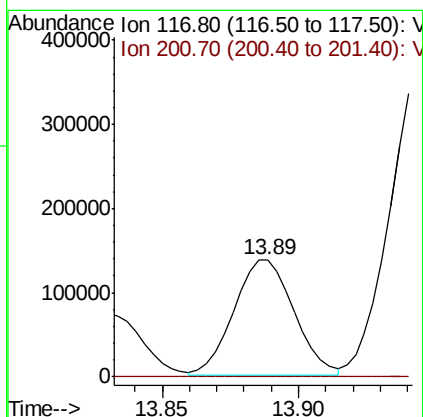
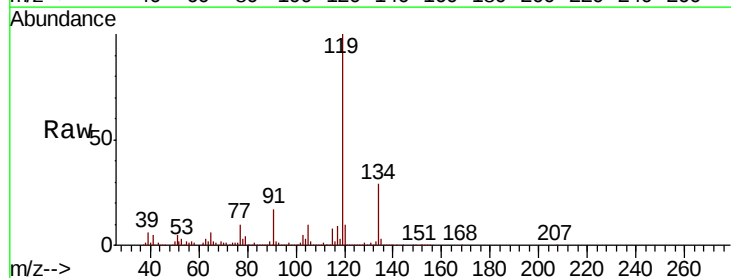
Instrument :
MSVOA_N
ClientSampled :
EP1-PZ-E3-4

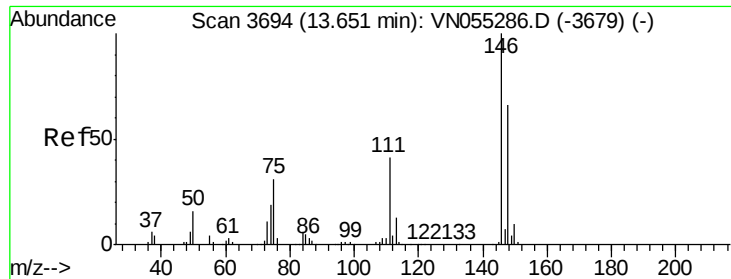
Tot Ion: 91 Resp: 945085
Ion Ratio Lower Upper
91 100
92 40.4 26.1 78.3
134 0.0 12.4 37.4#



#90
Hexachloroethane
Concen: 76.744 ug/l
RT: 13.89 min Scan# 3768
Delta R.T. 0.02 min
Lab File: VN055348.D
Acq: 2 May 2019 14:14

Tgt Ion: 117 Resp: 209820
Ion Ratio Lower Upper
117 100
201 0.0 41.9 125.8#





#91

1,2-Dichlorobenzene

Concen: 0.221 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN055348.D

Acq: 2 May 2019 14:14

Instrument :

MSVOA_N

ClientSampled :

EP1-PZ-E3-4

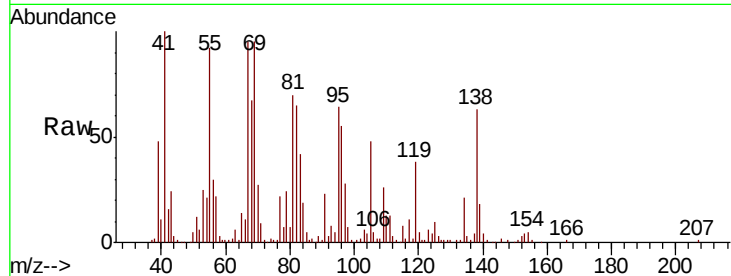
Tot Ion:146 Resp: 1826

Ion Ratio Lower Upper

146 100

111 531.8 20.3 61.0#

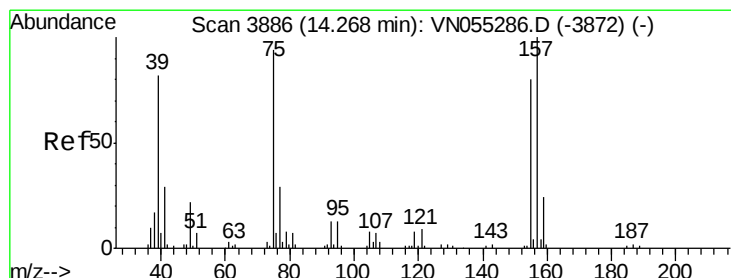
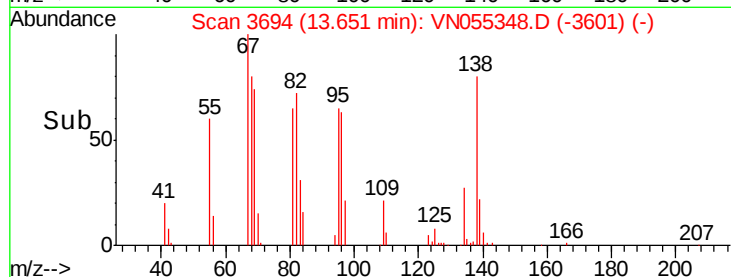
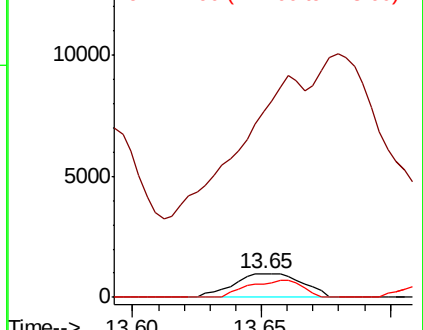
148 55.9 32.4 97.2



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: 13.880 ug/l

RT: 14.25 min Scan# 3879

Delta R.T. -0.02 min

Lab File: VN055348.D

Acq: 2 May 2019 14:14

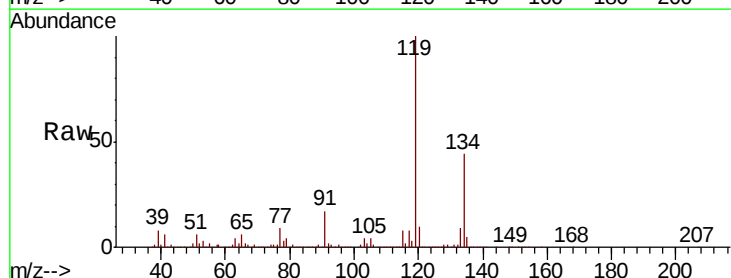
Tgt Ion: 75 Resp: 9103

Ion Ratio Lower Upper

75 100

155 0.0 41.5 124.6#

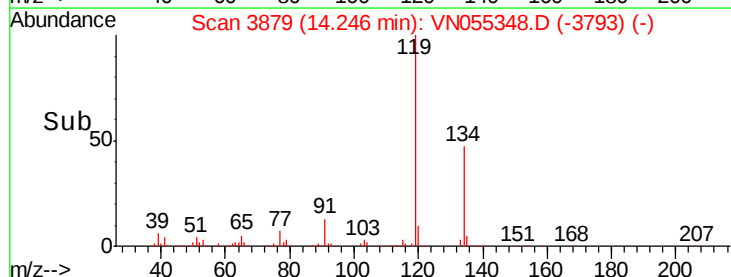
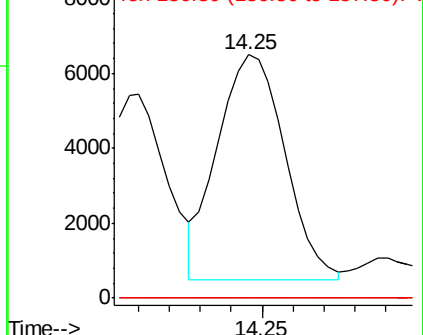
157 0.0 54.0 162.2#

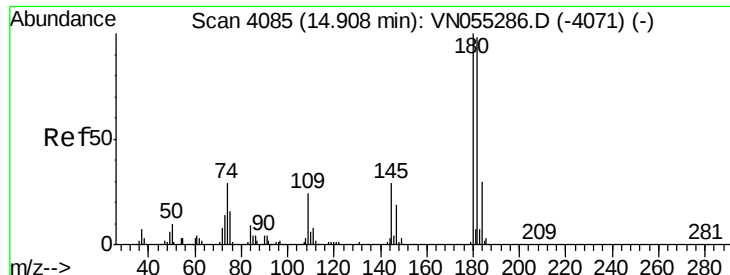


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

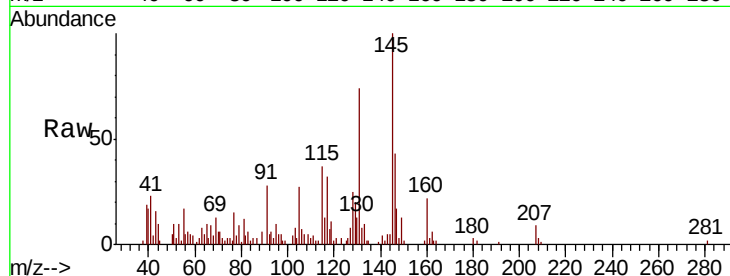




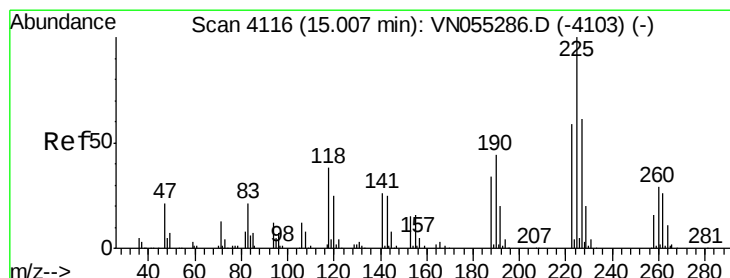
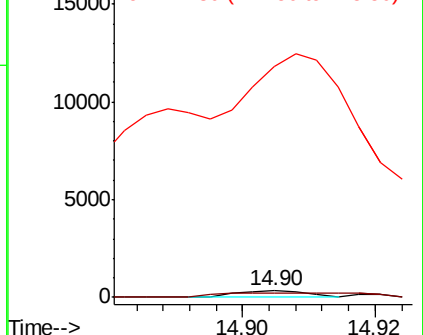
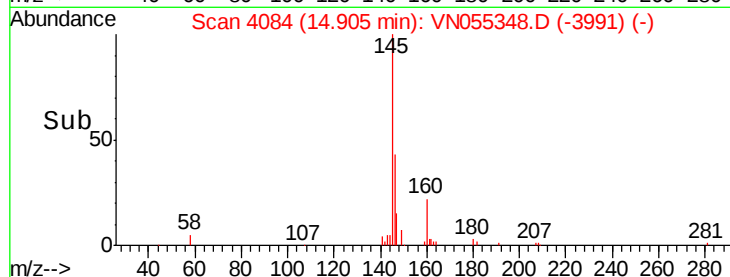
#93
 1,2,4-Trichlorobenzene
 Concen: 3.383 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.00 min
 Lab File: VN055348.D
 Acq: 2 May 2019 14:14

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-PZ-E3-4

Tot Ion:180 Resp: 252
 Ion Ratio Lower Upper
 180 100
 182 142.9 48.3 144.9
 145 6455.2 14.2 42.6#

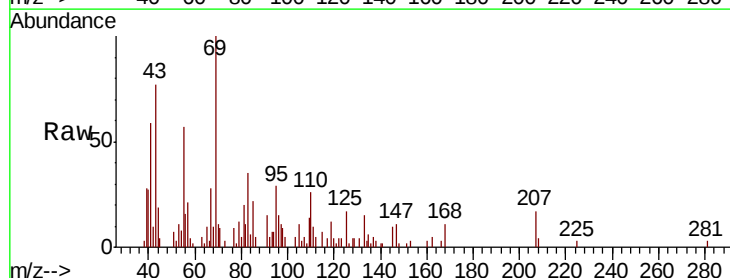


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

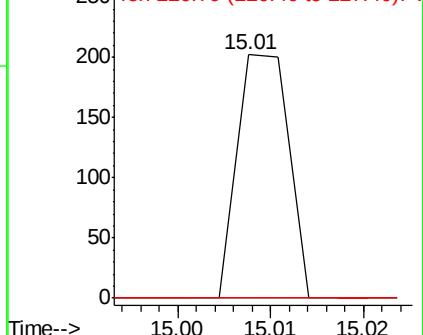
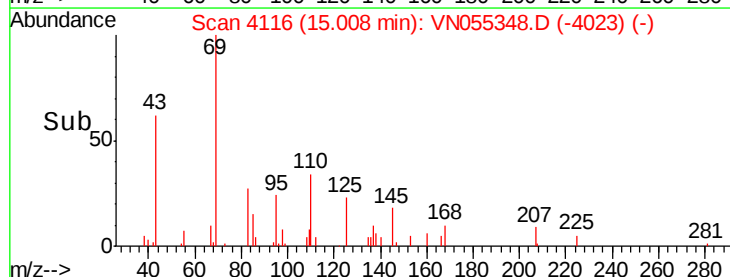


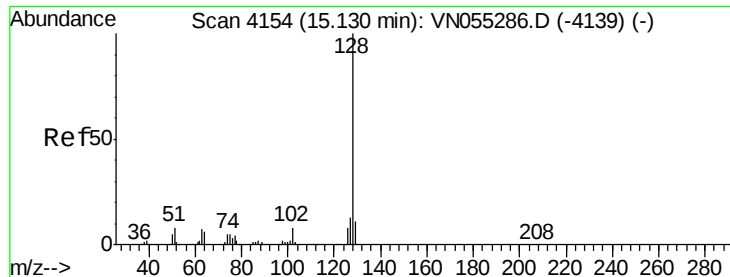
#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055348.D
 Acq: 2 May 2019 14:14

Tgt Ion:225 Resp: 78
 Ion Ratio Lower Upper
 225 100
 223 0.0 30.3 90.8#
 227 0.0 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: 112.140 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055348.D

Acq: 2 May 2019 14:14

Instrument :

MSVOA_N

ClientSampleId :

EP1-PZ-E3-4

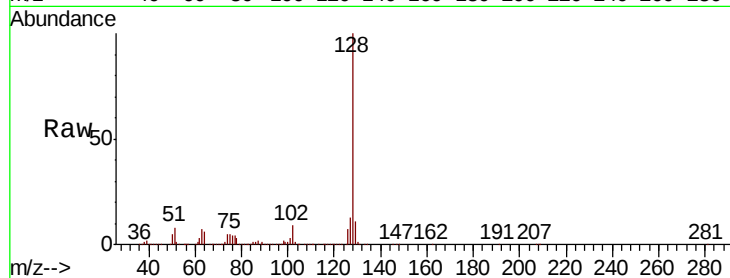
Tot Ion:128 Resp: 807739

Ion Ratio Lower Upper

128 100

127 13.2 10.7 16.1

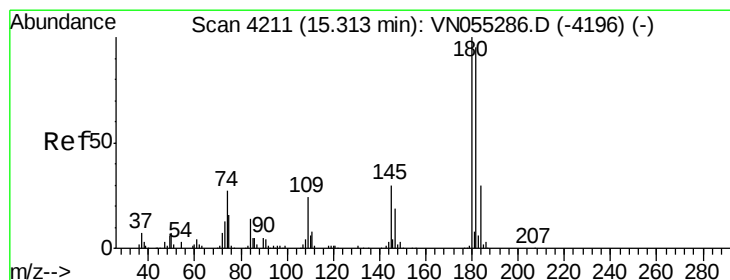
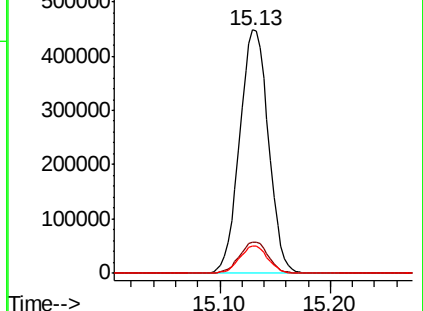
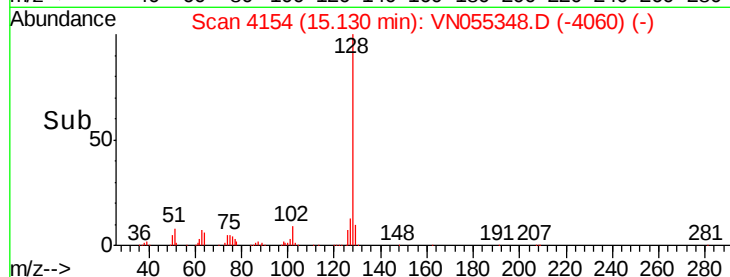
129 10.9 8.6 13.0



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: 2.682 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN055348.D

Acq: 2 May 2019 14:14

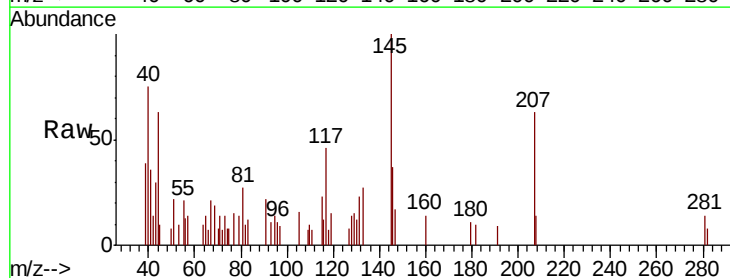
Tgt Ion:180 Resp: 234

Ion Ratio Lower Upper

180 100

182 111.1 48.3 144.9

145 3403.8 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

