

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112818\
 Data File : VN052515.D
 Acq On : 28 Nov 2018 13:10
 Operator : MD\SY
 Sample : J5996-01ME 20X
 Misc : 5.86g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 11 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 AOC2-01R

Quant Time: Nov 29 00:08:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 28 01:11:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1432393	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2153778	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1869157	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	813316	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	697994	44.75	ug/l	0.00
Spiked Amount			Recovery	=	89.50%	
35) Dibromofluoromethane	7.59	113	631361	47.55	ug/l	0.00
Spiked Amount			Recovery	=	95.10%	
50) Toluene-d8	10.09	98	2625470	50.80	ug/l	0.00
Spiked Amount			Recovery	=	101.60%	
62) 4-Bromofluorobenzene	12.40	95	882515	50.81	ug/l	0.00
Spiked Amount			Recovery	=	101.62%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.57	56	44916	61.880	ug/l #	1
14) Allyl chloride	4.43	41	97198	4.203	ug/l #	64
15) Acrylonitrile	5.06	53	41578	8.412	ug/l #	39
16) Acetone	3.81	43	58474	14.215	ug/l #	52
18) Methyl Acetate	4.40	43	47855	4.056	ug/l #	52
20) Methylene Chloride	4.43	84	25878	1.608	ug/l #	20
23) Vinyl Acetate	5.92	43	18764	0.620	ug/l #	81
25) 2-Butanone	6.82	43	28948	4.965	ug/l #	50
26) 2,2-Dichloropropane	6.63	77	7684	0.400	ug/l #	52
28) Bromochloromethane	7.38	49	4043	0.319	ug/l #	14
29) Tetrahydrofuran	7.21	42	2878	0.765	ug/l #	35
30) Chloroform	7.33	83	77256	2.792	ug/l #	18
31) Cyclohexane	7.64	56	506378	18.634	ug/l #	73
36) 1,1-Dichloropropene	7.67	75	97479	4.793	ug/l #	49
37) Ethyl Acetate	6.82	43	28948	2.332	ug/l #	71
38) Carbon Tetrachloride	7.67	117	125748	6.830	ug/l #	16
39) Methylcyclohexane	9.08	83	563500	22.794	ug/l #	81
40) Benzene	8.04	78	1746601	28.815	ug/l	99
41) Methacrylonitrile	7.21	41	23225	3.422	ug/l #	46
42) 1,2-Dichloroethane	8.12	62	4713	0.257	ug/l #	74
43) Isopropyl Acetate	8.21	43	1882128	89.600	ug/l #	51
47) Bromodichloromethane	9.38	83	59877	3.087	ug/l #	25
48) Methyl methacrylate	9.22	41	141455	12.915	ug/l #	26
51) 4-Methyl-2-Pentanone	10.02	43	594924	50.478	ug/l #	83
52) Toluene	10.16	92	9518913	264.319	ug/l	95
53) t-1,3-Dichloropropene	10.16	75	102519	5.494	ug/l #	1
55) 1,1,2-Trichloroethane	10.53	97	159125	12.562	ug/l #	32
56) Ethyl methacrylate	10.47	69	16080	3.558	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.72	63	4119	0.448	ug/l #	49
59) 2-Hexanone	10.72	43	131479	16.622	ug/l #	30
61) 1,2-Dibromoethane	11.01	107	15841	1.259	ug/l #	2
65) Chlorobenzene	11.43	112	21799	0.566	ug/l	97
67) Ethyl Benzene	11.51	91	3905106	57.859	ug/l	100
68) m/p-Xylenes	11.62	106	5140763	204.598	ug/l	100

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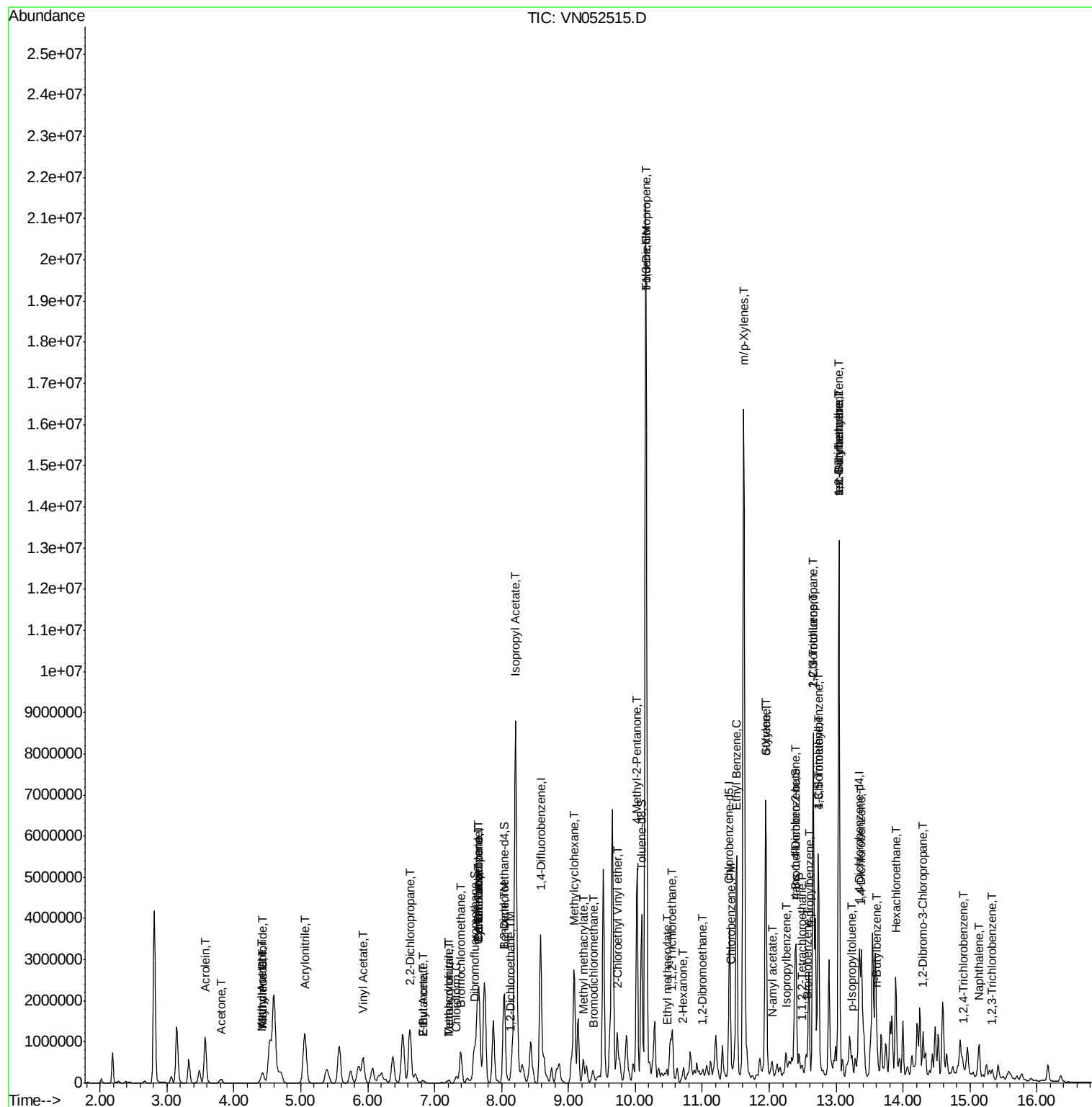
69) o-Xylene	11.95	106	1854606	76.009	ug/l	99
70) Styrene	11.95	104	90589	2.331	ug/l #	1
73) Isopropylbenzene	12.25	105	398586	6.246	ug/l	99
74) N-amyl acetate	12.04	43	100744	6.249	ug/l #	43
75) 1,1,2,2-Tetrachloroethane	12.49	83	3357	0.231	ug/l #	1
76) 1,2,3-Trichloropropane	12.65	75	41260	3.290	ug/l #	100
77) Bromobenzene	12.56	156	62793	3.981	ug/l #	1
78) n-propylbenzene	12.59	91	1977977	27.286	ug/l	99
79) 2-Chlorotoluene	12.66	91	608467	14.095	ug/l #	41
80) 1,3,5-Trimethylbenzene	12.73	105	2384108	46.847	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.40	75	409336	108.995	ug/l #	15
82) 4-Chlorotoluene	12.73	91	234735	5.395	ug/l #	43
83) tert-Butylbenzene	13.04	119	932740	20.559	ug/l #	73
84) 1,2,4-Trimethylbenzene	13.04	105	7596126	148.940	ug/l	100
85) sec-Butylbenzene	13.04	105	7596126	122.926	ug/l #	57
86) p-Isopropyltoluene	13.24	119	197056	3.744	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	8458	0.311	ug/l #	1
89) n-Butylbenzene	13.62	91	265385	6.063	ug/l #	69
90) Hexachloroethane	13.89	117	111431	12.504	ug/l #	6
92) 1,2-Dibromo-3-Chloropropan	14.30	75	2098	1.011	ug/l #	7
93) 1,2,4-Trichlorobenzene	14.91	180	15784	3.861	ug/l #	1
95) Naphthalene	15.14	128	608388	21.935	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	6283	3.174	ug/l #	82

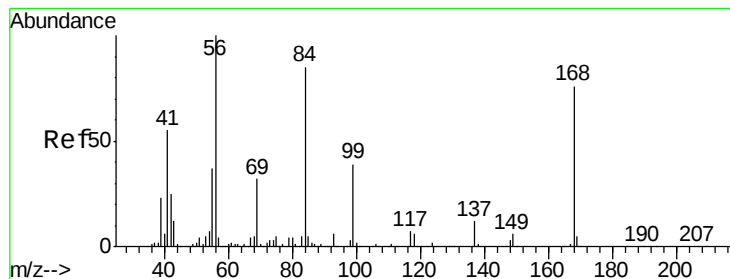
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN052515.D

Acq: 28 Nov 2018 13:10

Instrument :

MSVOA_N

ClientSampleId :

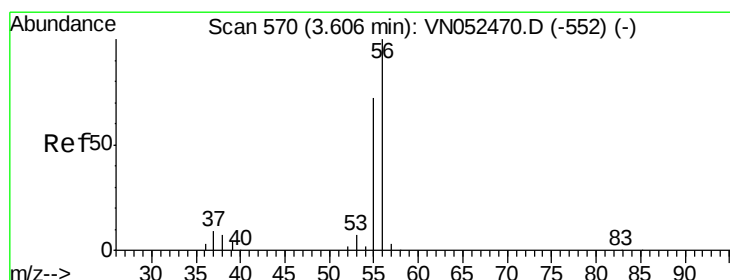
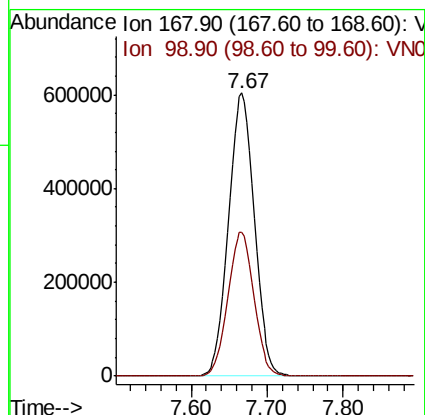
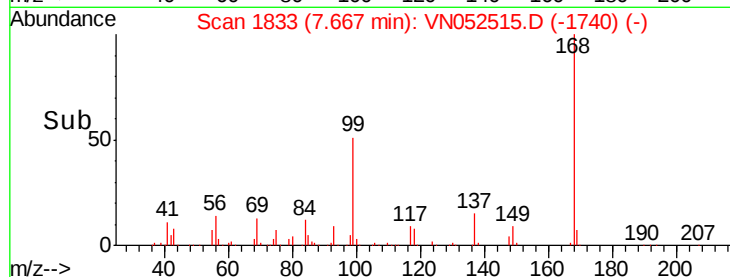
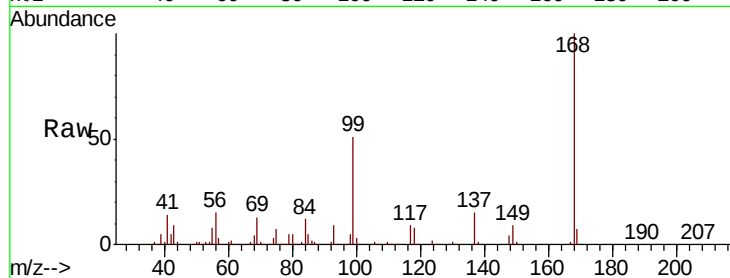
AOC2-01R

Tot Ion:168 Resp: 1432393

Ion Ratio Lower Upper

168 100

99 51.0 41.7 62.5



#13

Acrolein

Concen: 61.880 ug/l

RT: 3.57 min Scan# 559

Delta R.T. -0.04 min

Lab File: VN052515.D

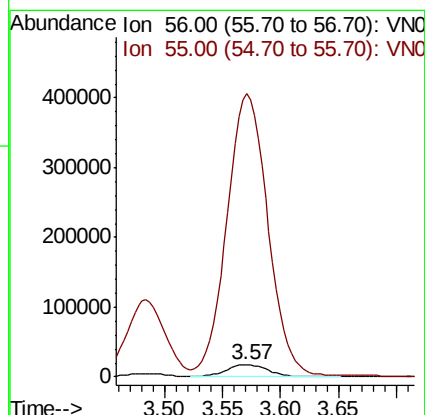
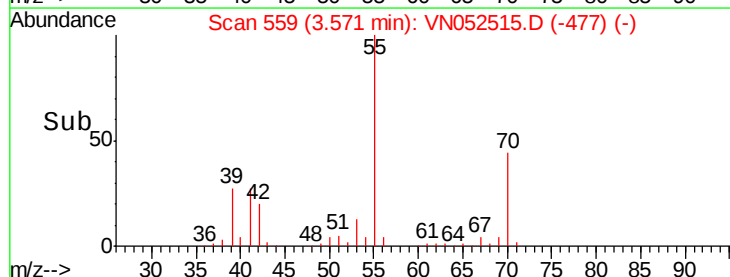
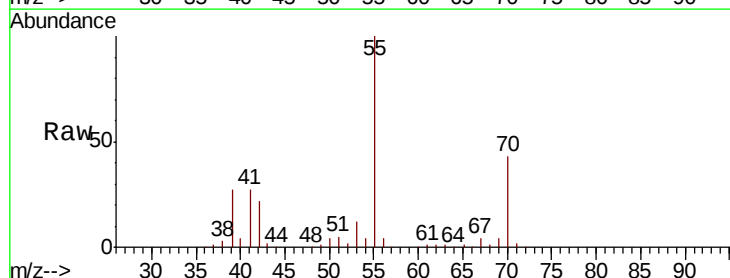
Acq: 28 Nov 2018 13:10

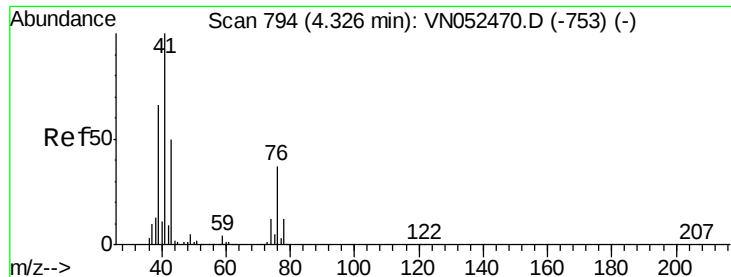
Tgt Ion: 56 Resp: 44916

Ion Ratio Lower Upper

56 100

55 2206.1 56.8 85.2#

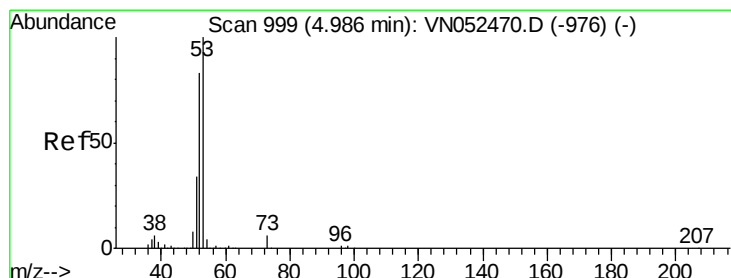
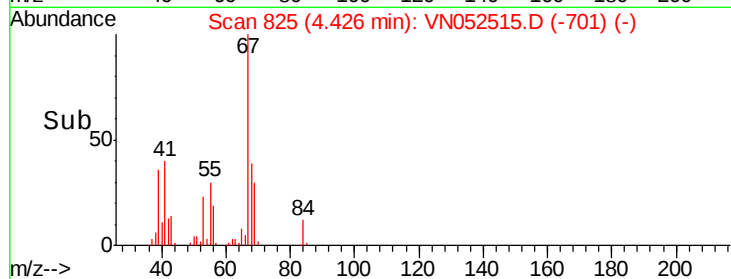
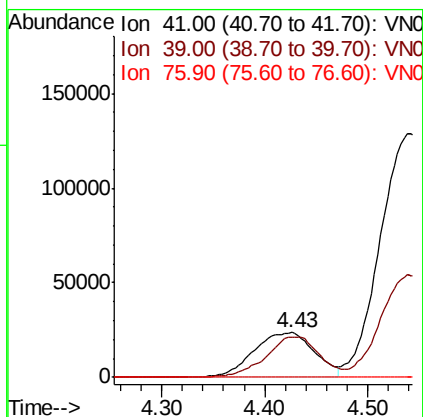
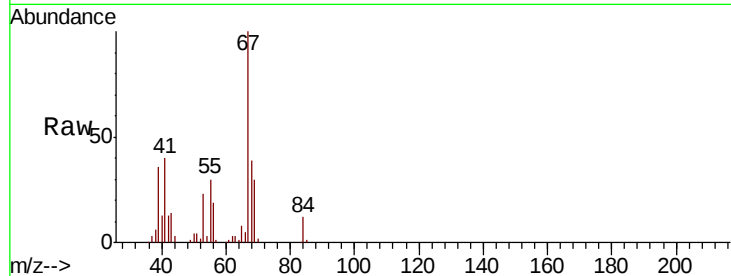




#14
Allvl chloride
Concen: 4.203 ug/l
RT: 4.43 min Scan# 825
Delta R.T. 0.10 min
Lab File: VN052515.D
Acq: 28 Nov 2018 13:10

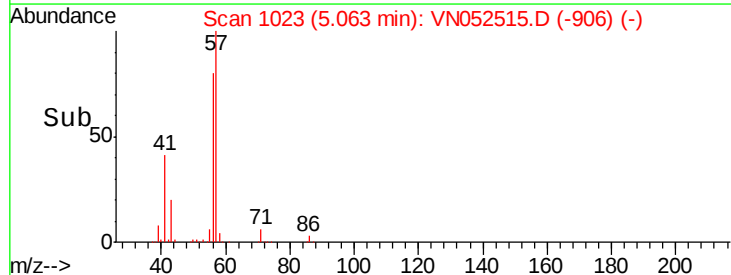
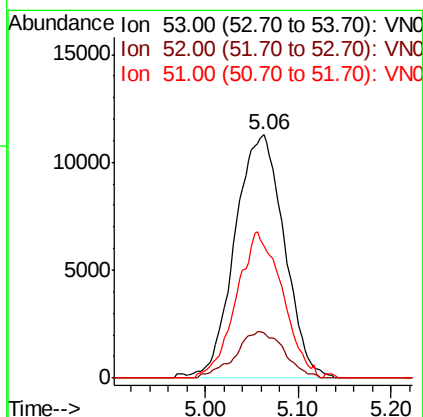
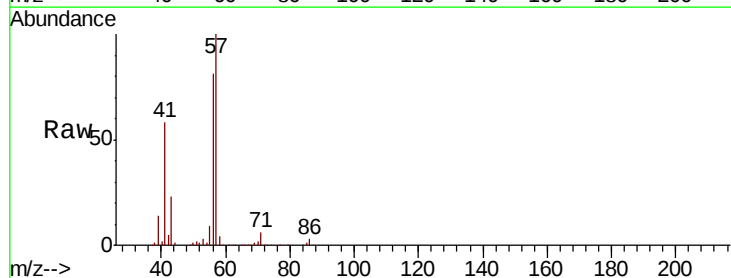
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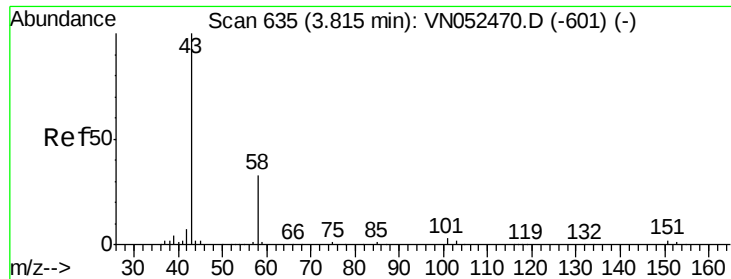
Tot Ion: 41 Resp: 97198
Ion Ratio Lower Upper
41 100
39 45.2 50.6 76.0#
76 0.0 27.4 41.2#



#15
Acrylonitrile
Concen: 8.412 ug/l
RT: 5.06 min Scan# 1023
Delta R.T. 0.08 min
Lab File: VN052515.D
Acq: 28 Nov 2018 13:10

Tgt Ion: 53 Resp: 41578
Ion Ratio Lower Upper
53 100
52 19.0 66.2 99.2#
51 56.3 28.1 42.1#





#16

Acetone

Concen: 14.215 ug/l

RT: 3.81 min Scan# 632

Delta R.T. -0.01 min

Lab File: VN052515.D

Acq: 28 Nov 2018 13:10

Instrument :

MSVOA_N

ClientSampleId :

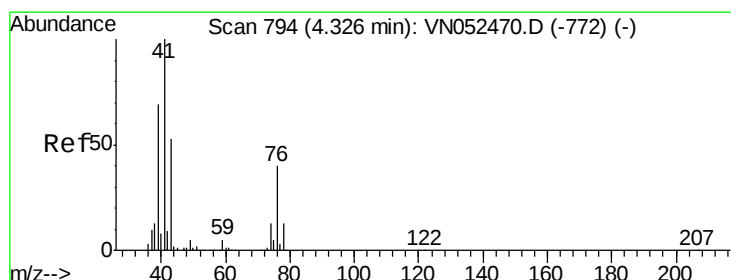
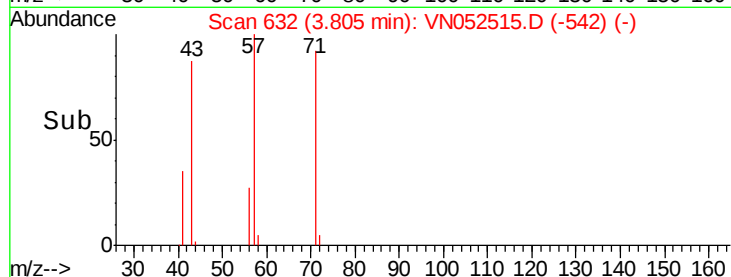
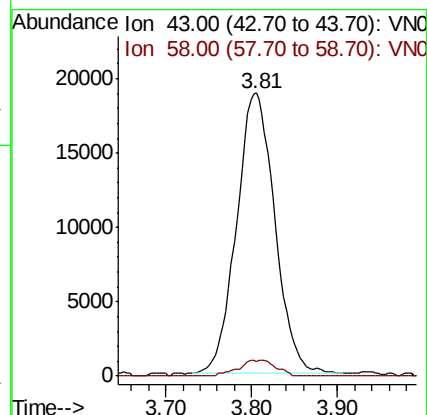
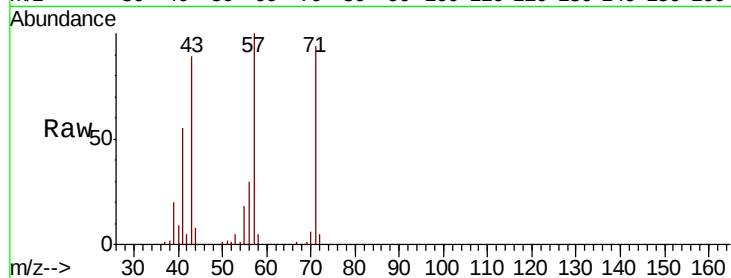
AOC2-01R

Tot Ion: 43 Resp: 58474

Ion Ratio Lower Upper

43 100

58 5.4 26.0 39.0#



#18

Methyl Acetate

Concen: 4.056 ug/l

RT: 4.40 min Scan# 817

Delta R.T. 0.07 min

Lab File: VN052515.D

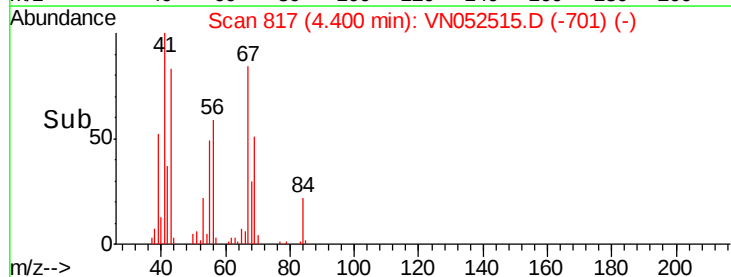
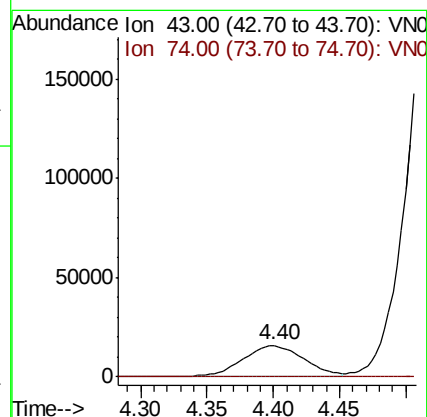
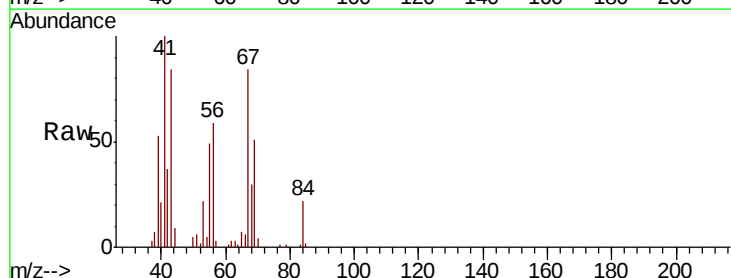
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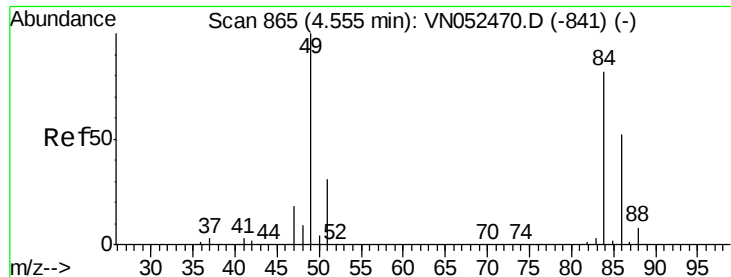
Tgt Ion: 43 Resp: 47855

Ion Ratio Lower Upper

43 100

74 0.0 18.6 27.8#

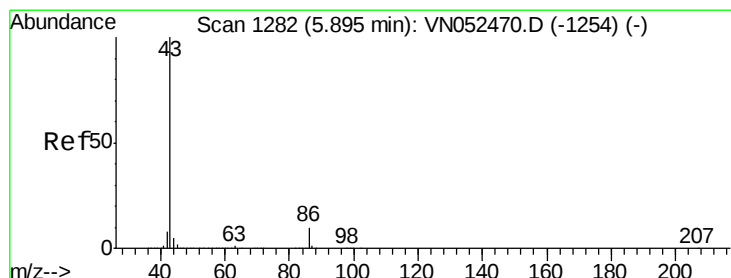
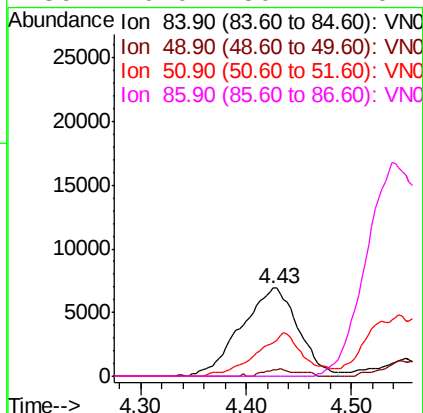
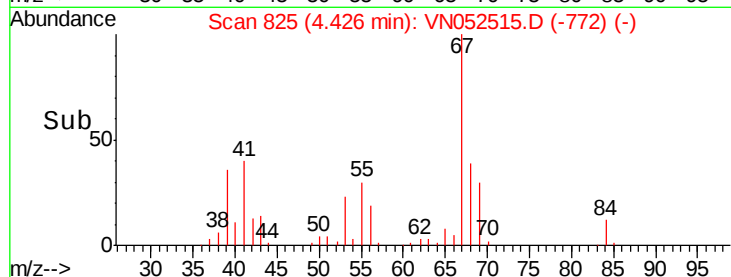
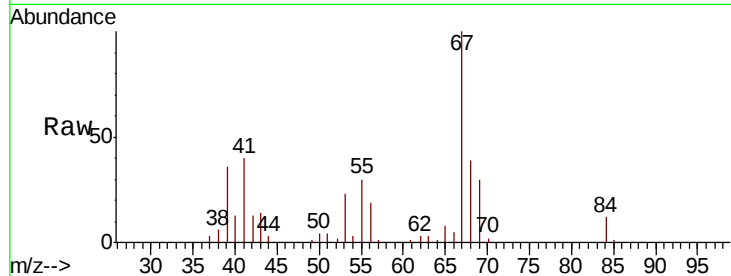




#20
Methvlene Chloride
Concen: 1.608 ug/l
RT: 4.43 min Scan# 825
Delta R.T. -0.13 min
Lab File: VN052515.D
Acq: 28 Nov 2018 13:10

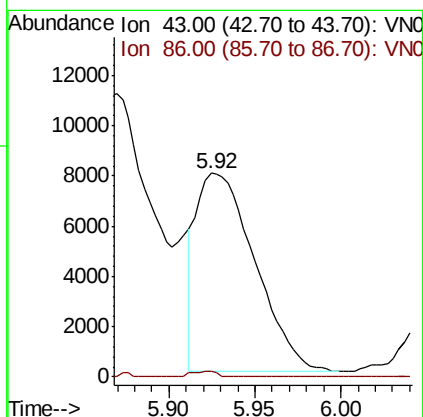
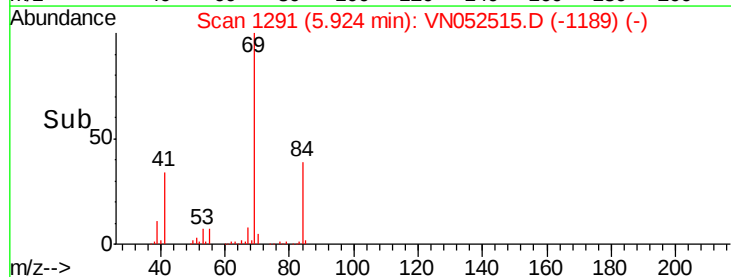
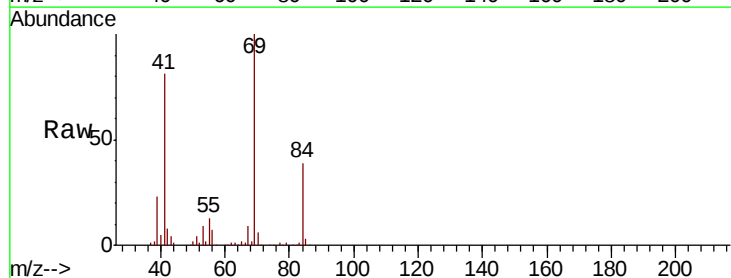
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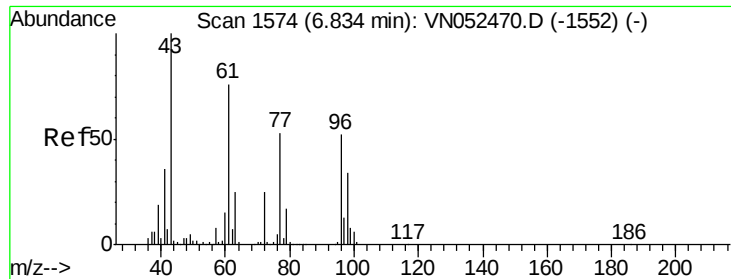
Tot Ion: 84 Resp: 25878
Ion Ratio Lower Upper
84 100
49 6.9 98.0 147.0#
51 37.8 30.1 45.1
86 0.0 50.7 76.1#



#23
Vinyl Acetate
Concen: 0.620 ug/l
RT: 5.92 min Scan# 1291
Delta R.T. 0.03 min
Lab File: VN052515.D
Acq: 28 Nov 2018 13:10

Tgt Ion: 43 Resp: 18764
Ion Ratio Lower Upper
43 100
86 2.9 7.8 11.8#

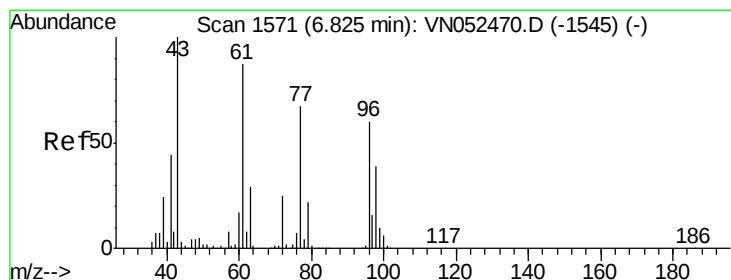
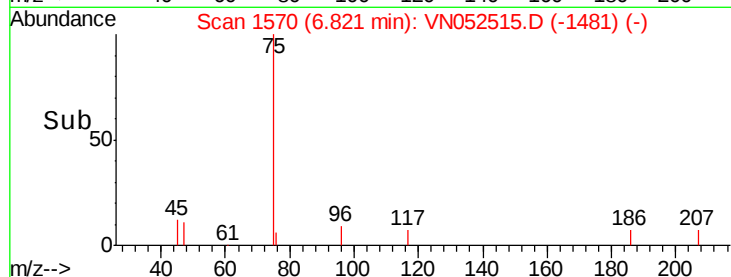
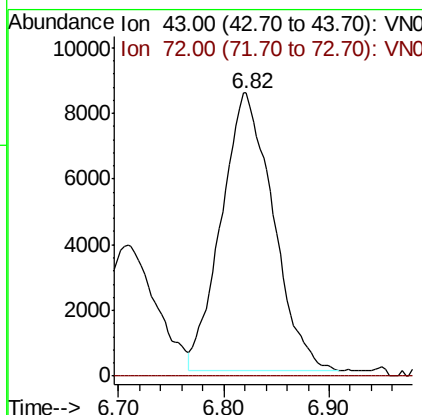
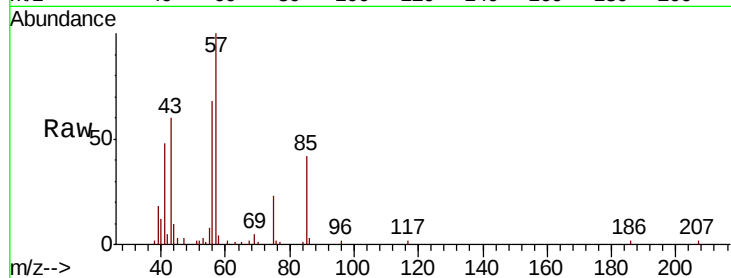




#25
 2-Butanone
 Concen: 4.965 ug/l
 RT: 6.82 min Scan# 1570
 Delta R.T. -0.01 min
 Lab File: VN052515.D
 Acq: 28 Nov 2018 13:10

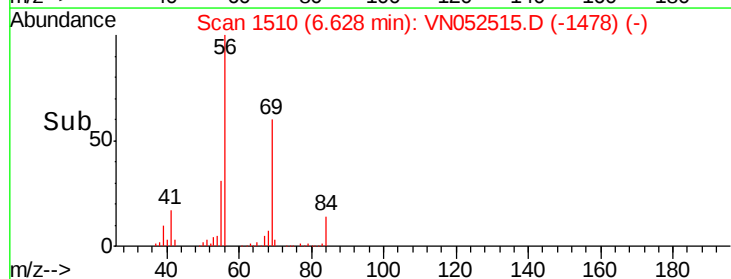
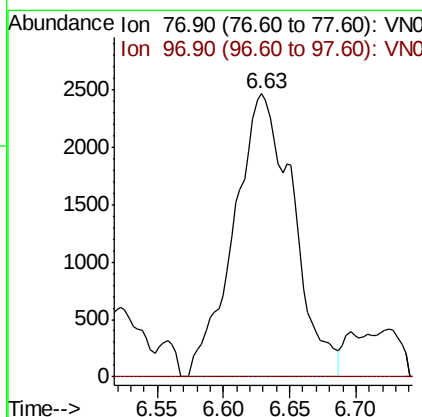
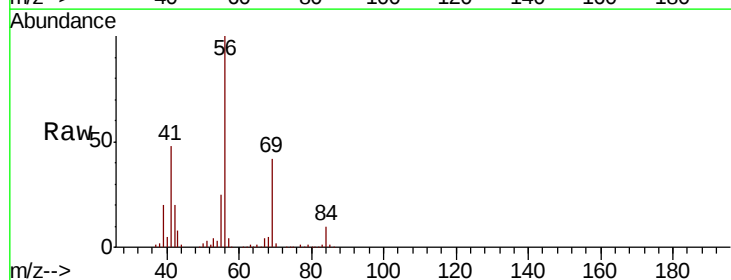
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 AOC2-01R

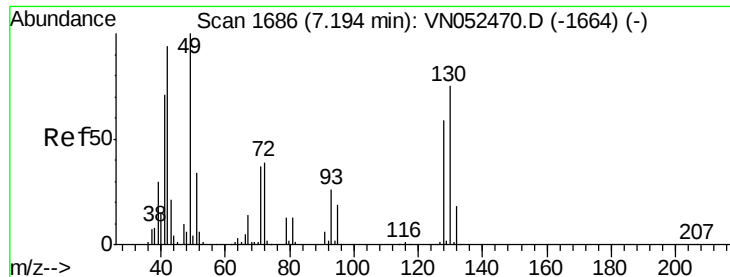
Tot Ion: 43 Resp: 28948
 Ion Ratio Lower Upper
 43 100
 72 0.0 20.1 30.1#



#26
 2,2-Dichloropropane
 Concen: 0.400 ug/l
 RT: 6.63 min Scan# 1510
 Delta R.T. -0.20 min
 Lab File: VN052515.D
 Acq: 28 Nov 2018 13:10

Tgt Ion: 77 Resp: 7684
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.8 35.3#





#28

Bromochloromethane

Concen: 0.319 ug/l

RT: 7.38 min Scan# 1744

Delta R.T. 0.19 min

Lab File: VN052515.D

Acq: 28 Nov 2018 13:10

Instrument :

MSVOA_N

ClientSampleId :

AOC2-01R

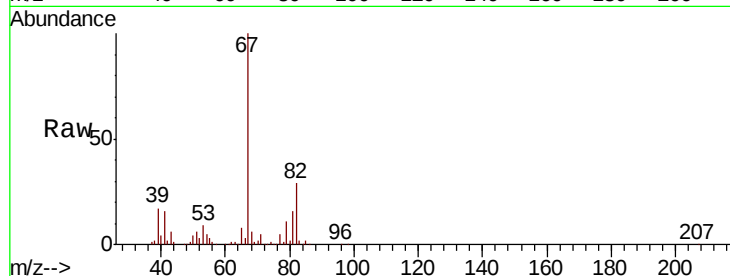
Tot Ion: 49 Resp: 4043

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

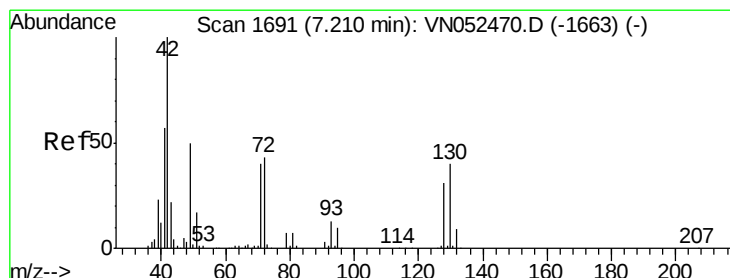
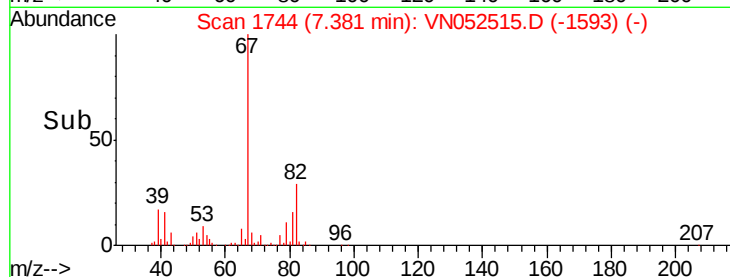
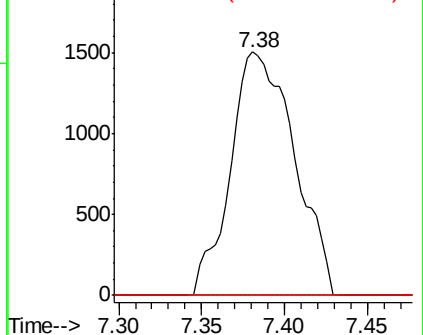
130 0.0 60.2 90.2#



Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#29

Tetrahydrofuran

Concen: 0.765 ug/l

RT: 7.21 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VN052515.D

Acq: 28 Nov 2018 13:10

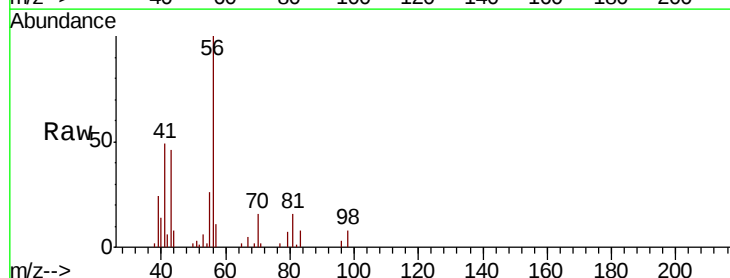
Tgt Ion: 42 Resp: 2878

Ion Ratio Lower Upper

42 100

72 0.0 33.3 49.9#

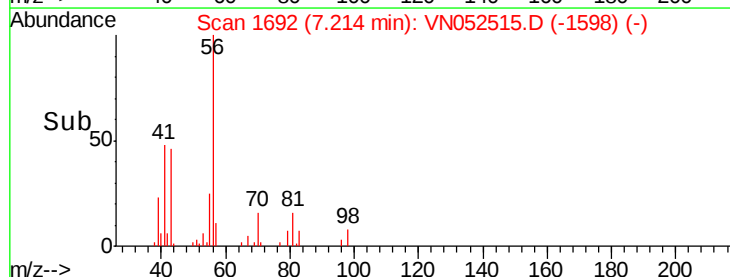
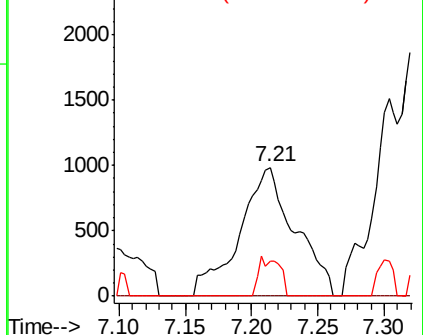
71 0.0 32.0 48.0#

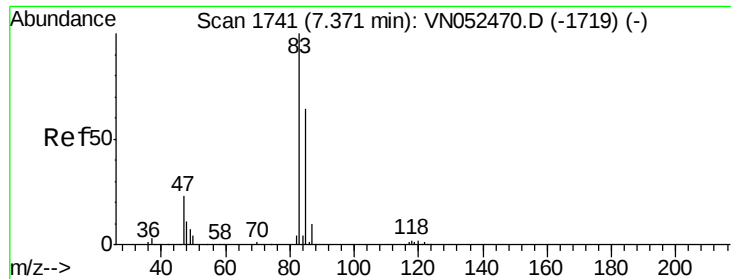


Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0

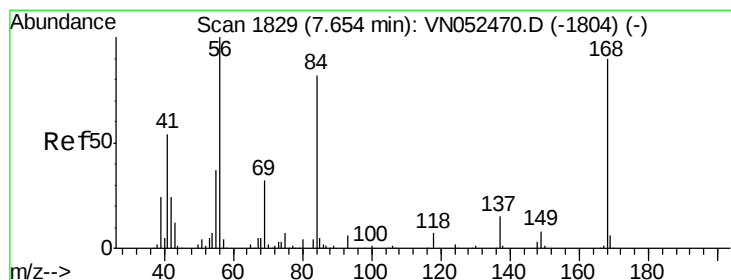
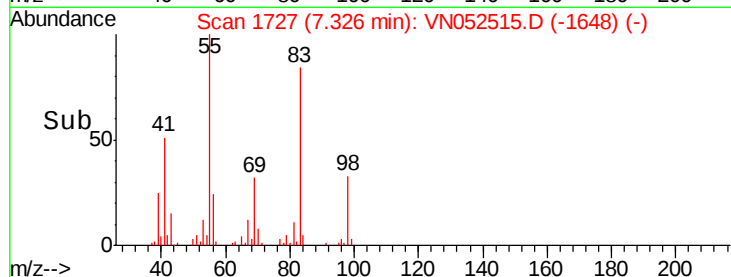
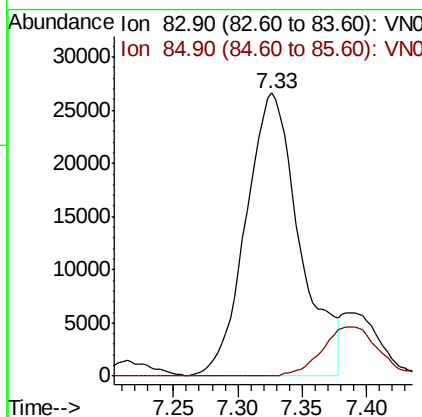
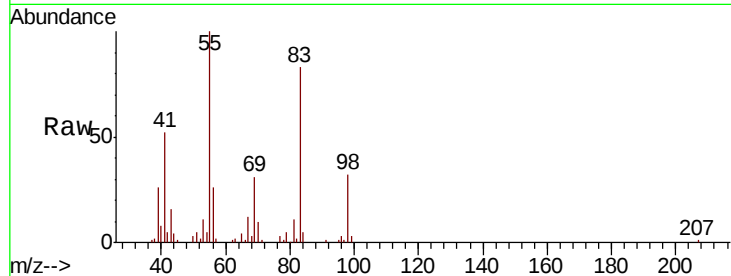




#30
Chloroform
Concen: 2.792 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.05 min
Lab File: VN052515.D
Acq: 28 Nov 2018 13:10

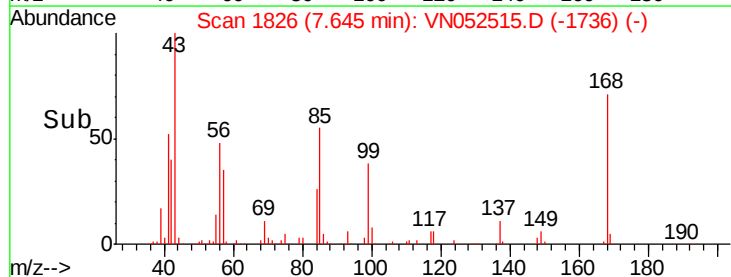
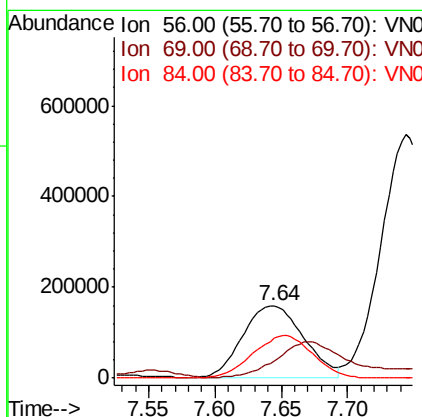
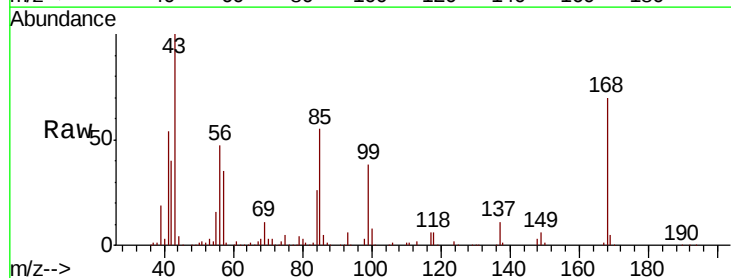
Instrument :
MSVOA_N
ClientSampleId :
AOC2-01R

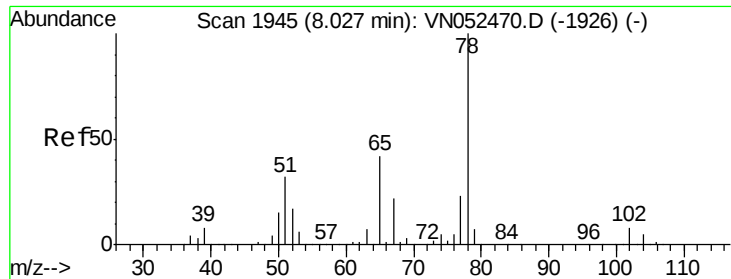
Tot Ion: 83 Resp: 77256
Ion Ratio Lower Upper
83 100
85 0.0 51.0 76.4#



#31
Cyclohexane
Concen: 18.634 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. -0.01 min
Lab File: VN052515.D
Acq: 28 Nov 2018 13:10

Tgt Ion: 56 Resp: 506378
Ion Ratio Lower Upper
56 100
69 20.4 25.8 38.6#
84 55.4 65.3 97.9#

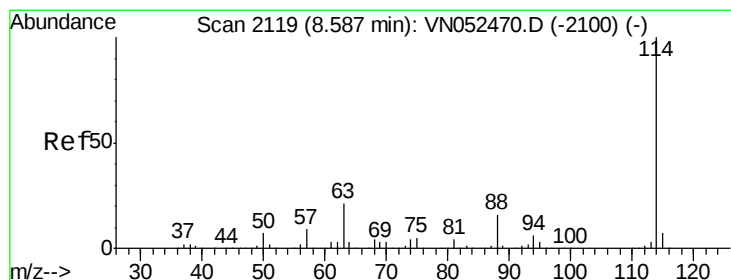
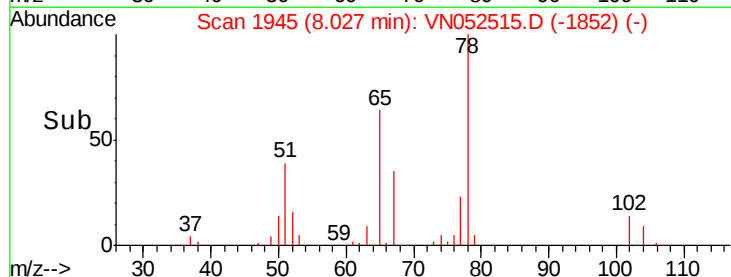
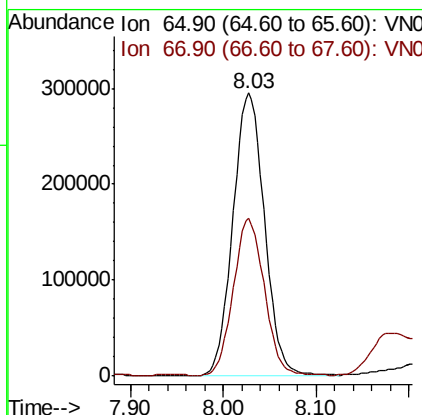
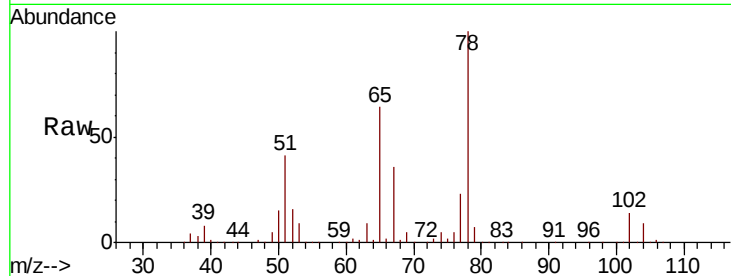




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052515.D
 Acq: 28 Nov 2018 13:10

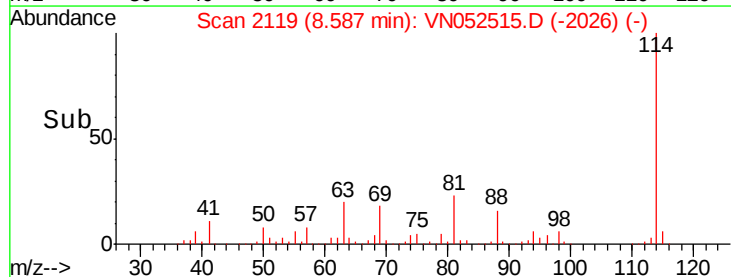
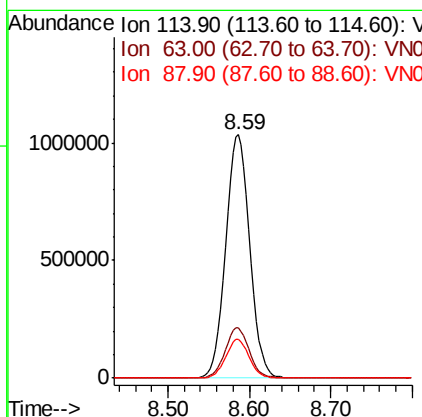
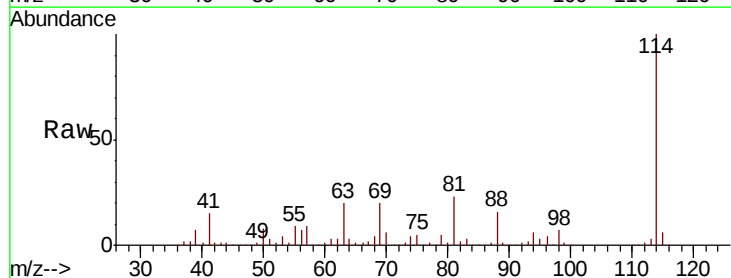
Instrument :
 MSVOA_N
 ClientSampleId :
 AOC2-01R

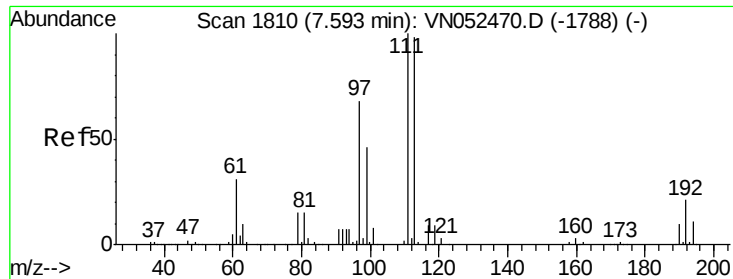
Tot Ion: 65 Resp: 697994
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 109.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052515.D
 Acq: 28 Nov 2018 13:10

Tgt Ion: 114 Resp: 2153778
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 41.8
 88 15.7 0.0 31.6

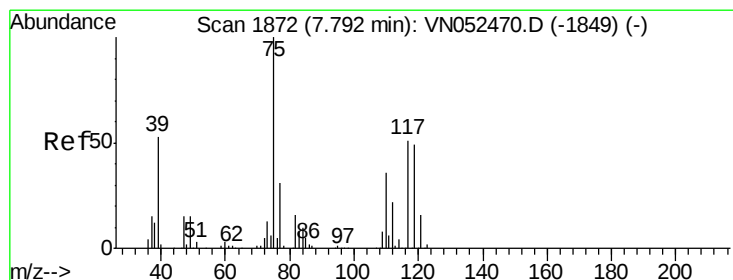
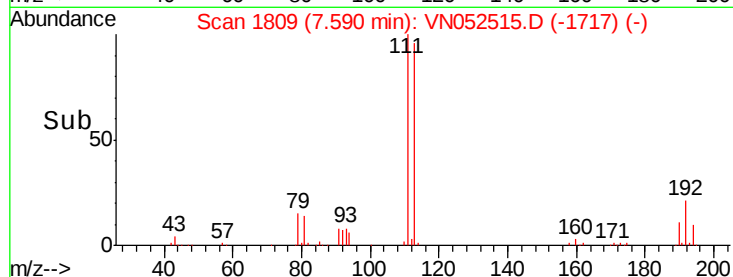
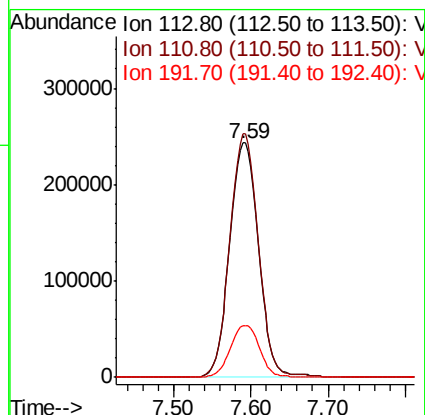
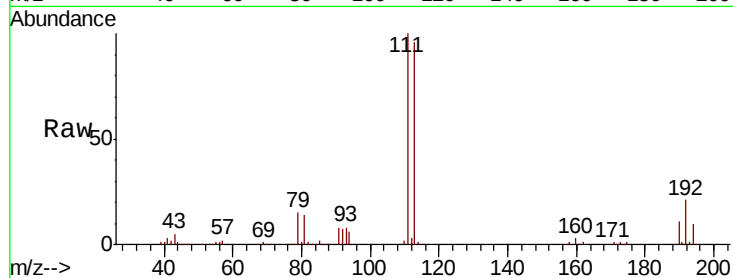




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN052515.D
 Acq: 28 Nov 2018 13:10

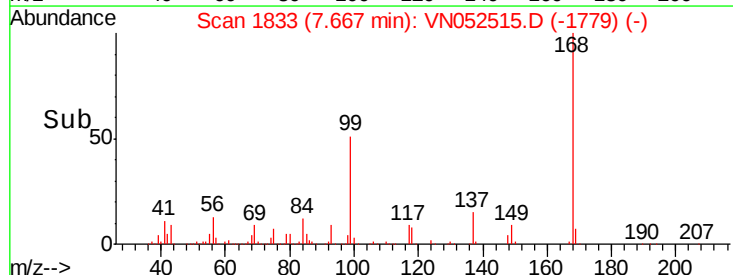
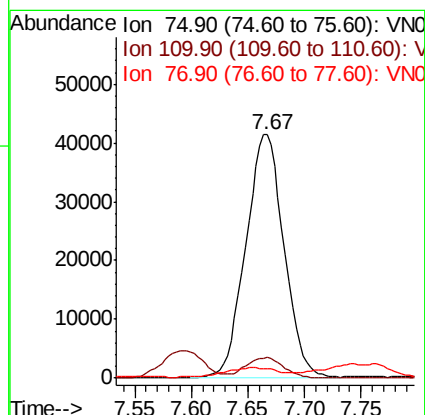
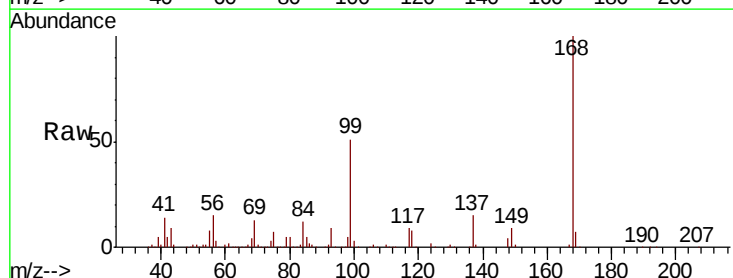
Instrument :
 MSVOA_N
 ClientSampleId :
 AOC2-01R

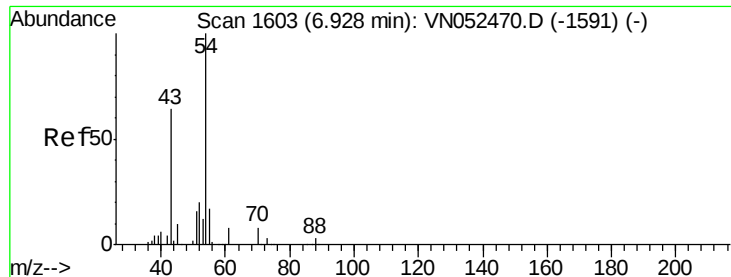
Tot Ion:113 Resp: 631361
 Ion Ratio Lower Upper
 113 100
 111 102.3 82.0 123.0
 192 22.3 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 4.793 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN052515.D
 Acq: 28 Nov 2018 13:10

Tgt Ion: 75 Resp: 97479
 Ion Ratio Lower Upper
 75 100
 110 8.4 17.5 52.6#
 77 0.0 24.5 36.7#

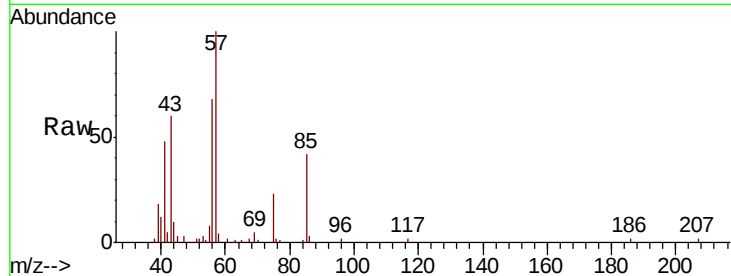




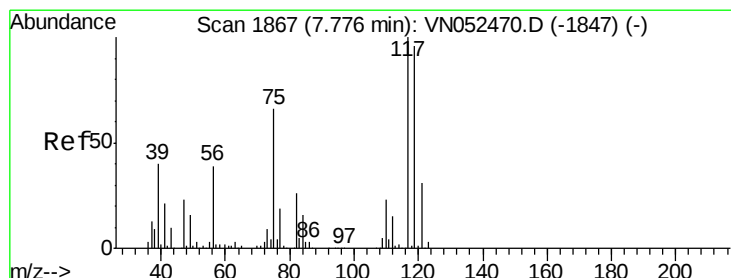
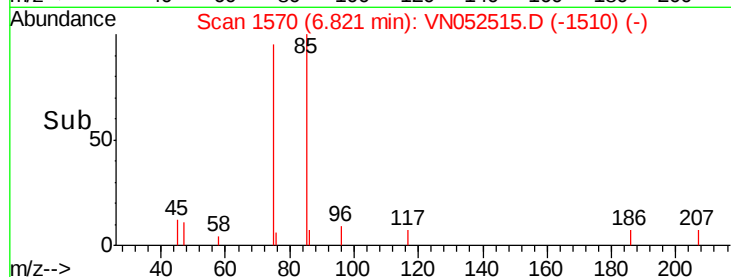
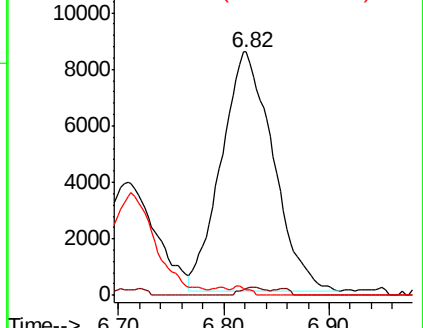
#37
Ethyl Acetate
Concen: 2.332 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. -0.11 min
Lab File: VN052515.D
Acq: 28 Nov 2018 13:10

Instrument :
MSVOA_N
ClientSampleId :
AOC2-01R

Tot Ion: 43 Resp: 28948
Ion Ratio Lower Upper
43 100
61 1.6 11.8 17.8#
70 1.1 7.8 11.8#

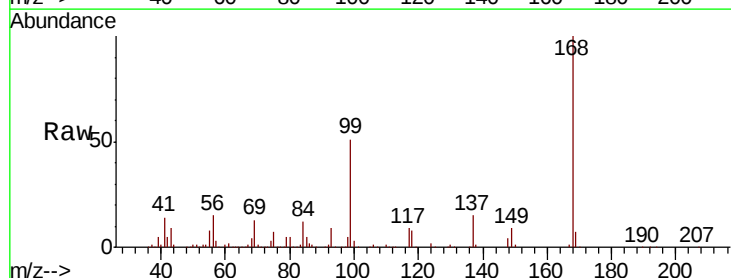


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

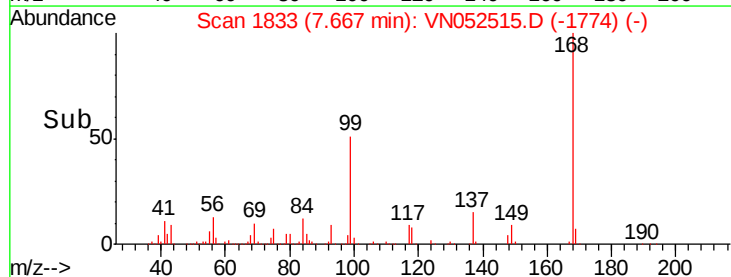
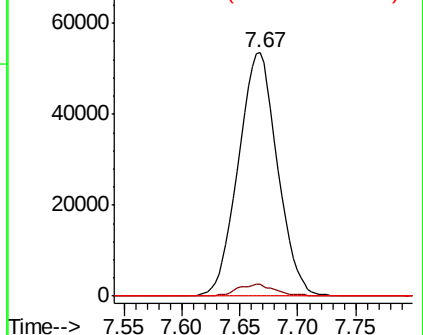


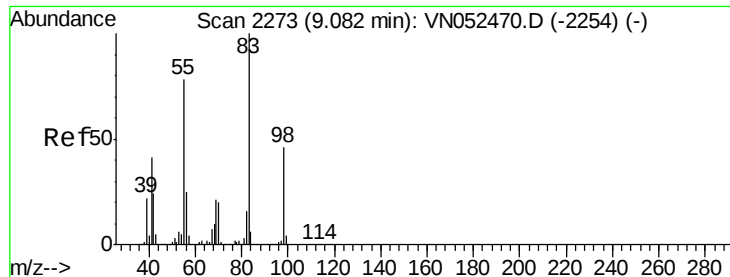
#38
Carbon Tetrachloride
Concen: 6.830 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.11 min
Lab File: VN052515.D
Acq: 28 Nov 2018 13:10

Tgt Ion: 117 Resp: 125748
Ion Ratio Lower Upper
117 100
119 4.8 76.8 115.2#
121 0.0 24.9 37.3#



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

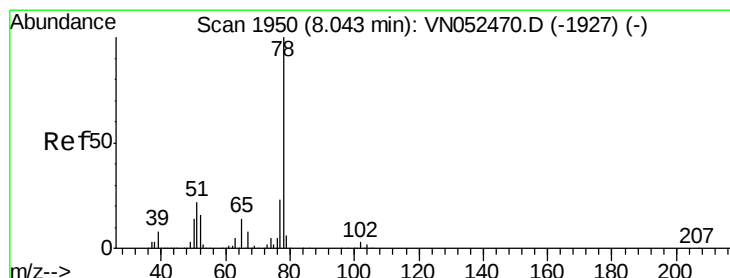
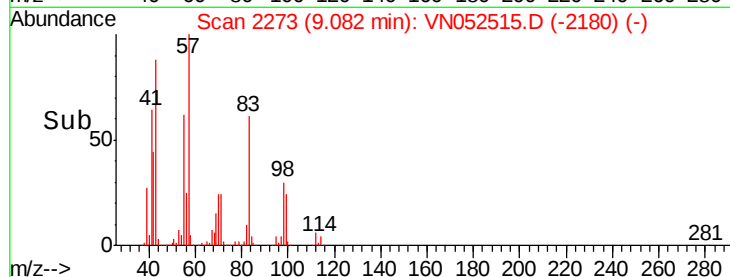
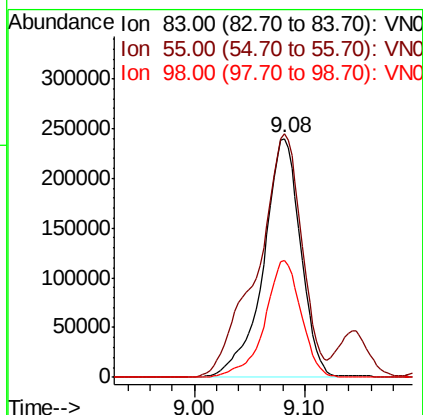
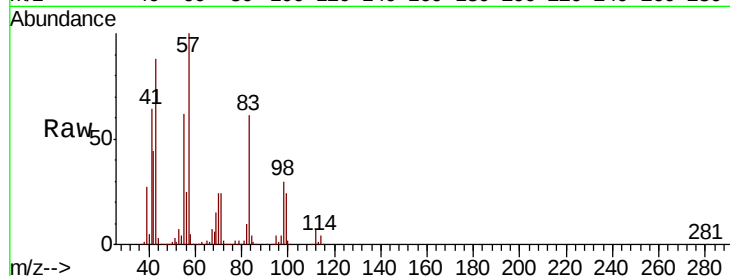




#39
Methvlcvclohexane
Concen: 22.794 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN052515.D
Acq: 28 Nov 2018 13:10

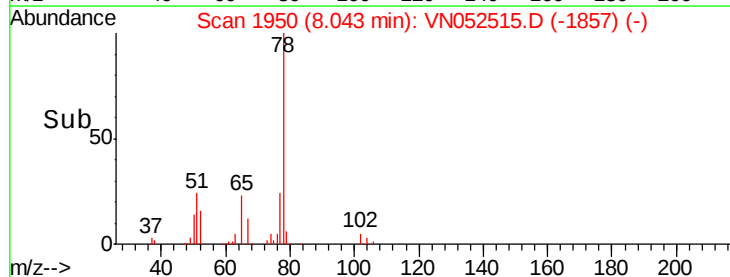
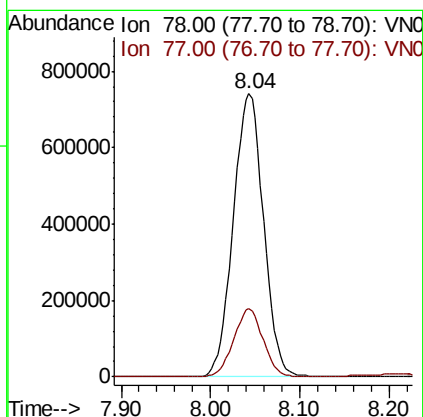
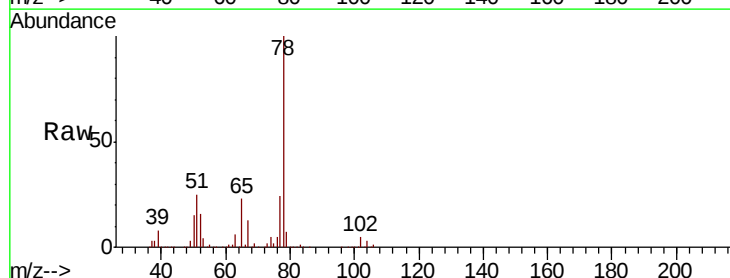
Instrument :
MSVOA_N
ClientSampleId :
AOC2-01R

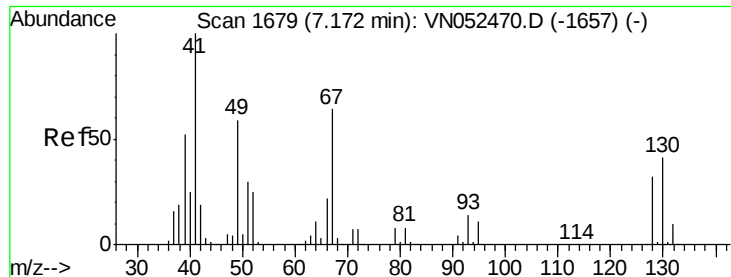
Tot Ion: 83 Resp: 563500
Ion Ratio Lower Upper
83 100
55 101.8 62.2 93.2#
98 48.8 36.4 54.6



#40
Benzene
Concen: 28.815 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN052515.D
Acq: 28 Nov 2018 13:10

Tgt Ion: 78 Resp: 1746601
Ion Ratio Lower Upper
78 100
77 24.0 18.8 28.2

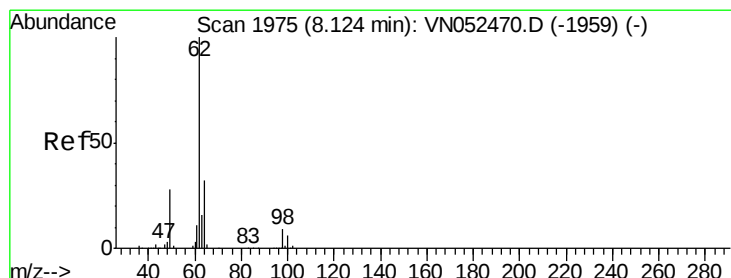
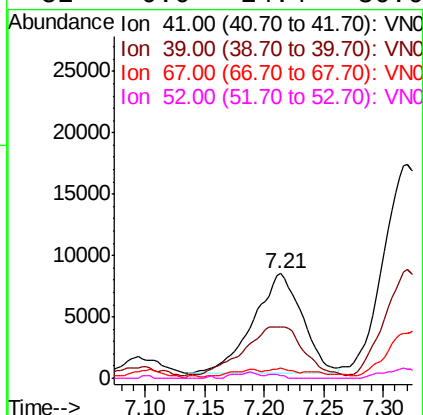
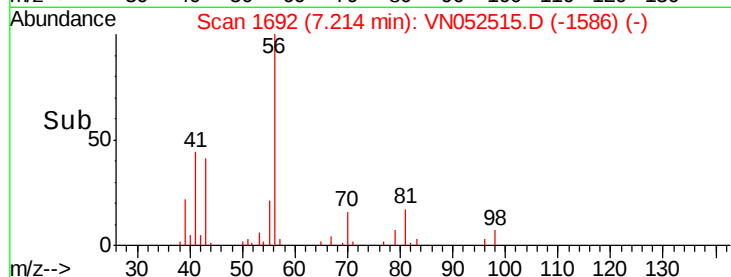
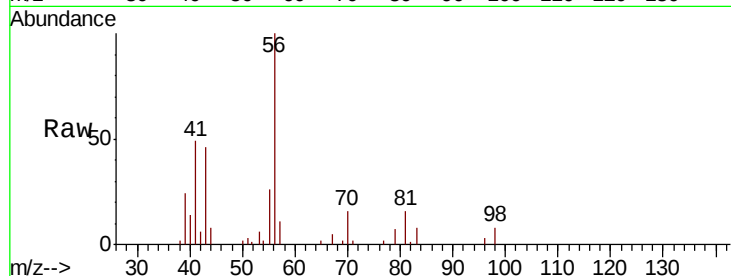




#41
Methacrylonitrile
Concen: 3.422 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.04 min
Lab File: VN052515.D
Acq: 28 Nov 2018 13:10

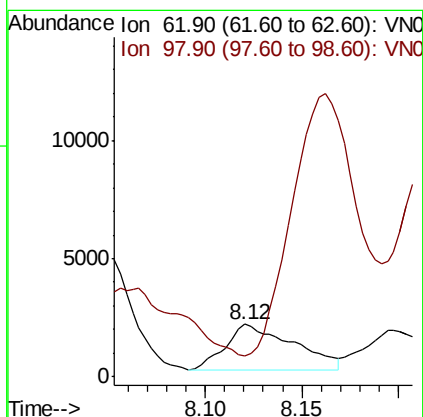
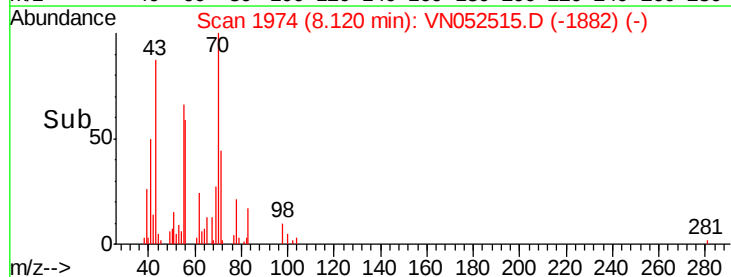
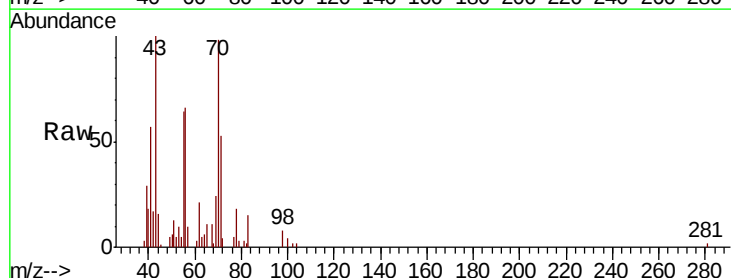
Instrument :
MSVOA_N
ClientSampled :
AOC2-01R

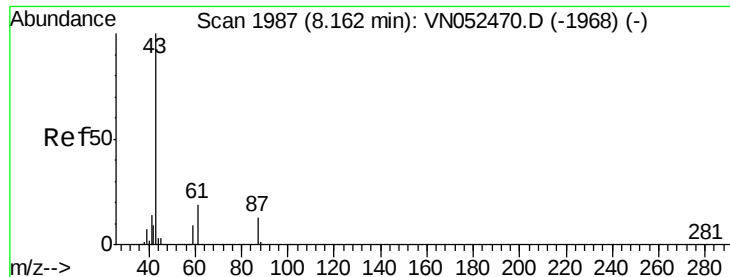
Tot Ion	Ratio	Lower	Upper
41	100		
39	58.4	50.9	76.3
67	0.0	63.6	95.4#
52	0.0	24.4	36.6#



#42
1,2-Dichloroethane
Concen: 0.257 ug/l
RT: 8.12 min Scan# 1974
Delta R.T. -0.00 min
Lab File: VN052515.D
Acq: 28 Nov 2018 13:10

Tgt Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	18.6





#43

Isopropyl Acetate

Concen: 89.600 ug/l

RT: 8.21 min Scan# 2001

Delta R.T. 0.04 min

Lab File: VN052515.D

Acq: 28 Nov 2018 13:10

Instrument :

MSVOA_N

ClientSampleId :

AOC2-01R

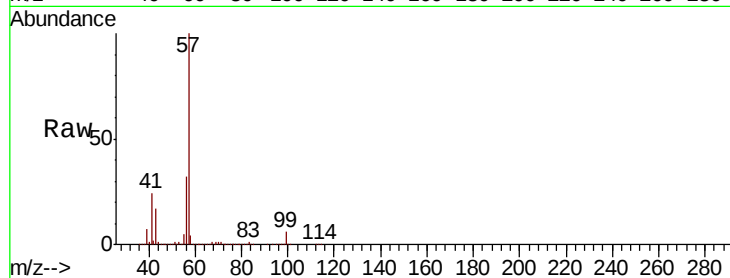
Tot Ion: 43 Resp: 1882128

Ion Ratio Lower Upper

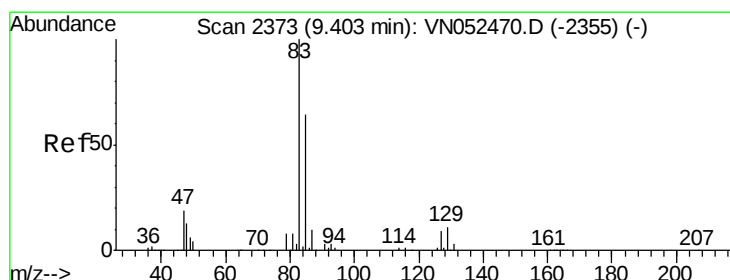
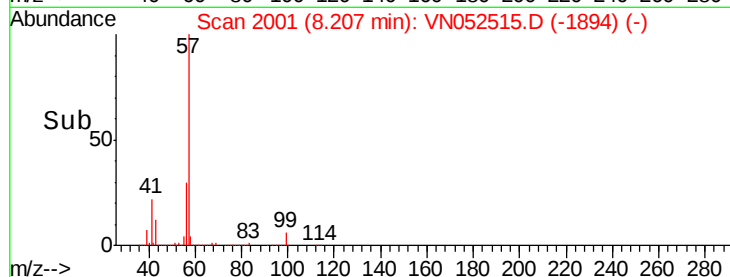
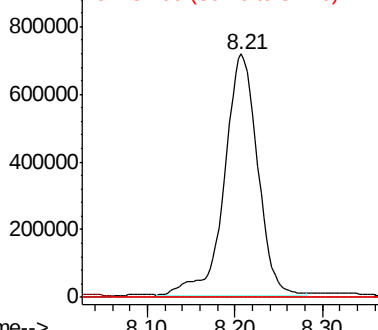
43 100

61 0.0 24.1 36.1#

87 0.0 10.6 15.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 87.00 (86.70 to 87.70): VN0



#47

Bromodichloromethane

Concen: 3.087 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. -0.02 min

Lab File: VN052515.D

Acq: 28 Nov 2018 13:10

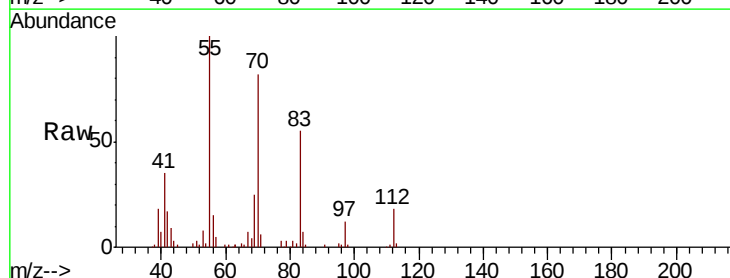
Tgt Ion: 83 Resp: 59877

Ion Ratio Lower Upper

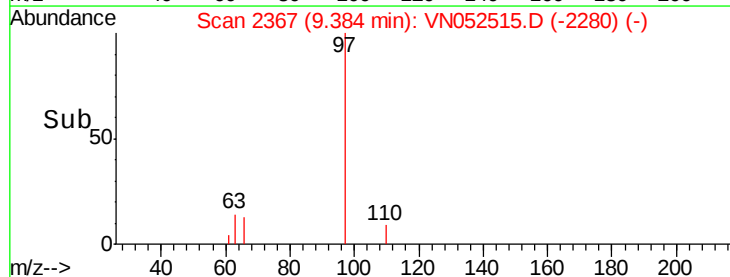
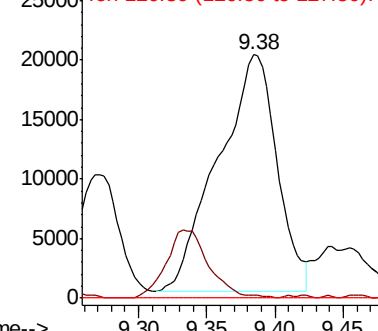
83 100

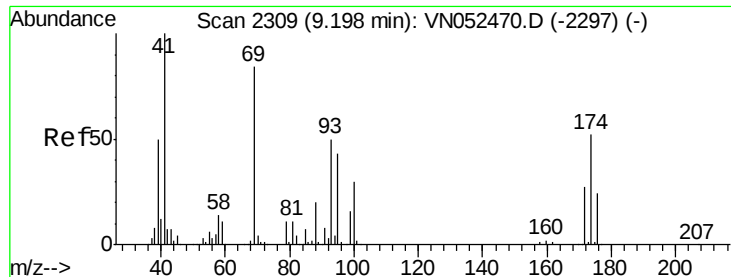
85 0.1 51.3 76.9#

127 0.0 6.9 10.3#



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V

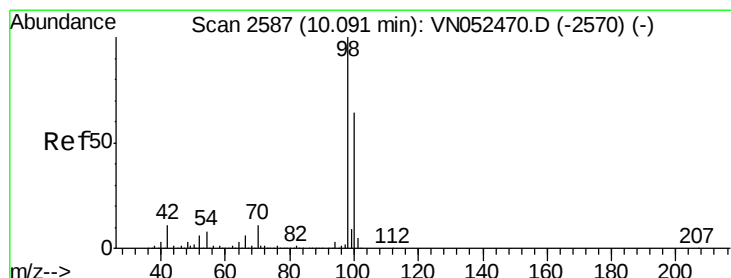
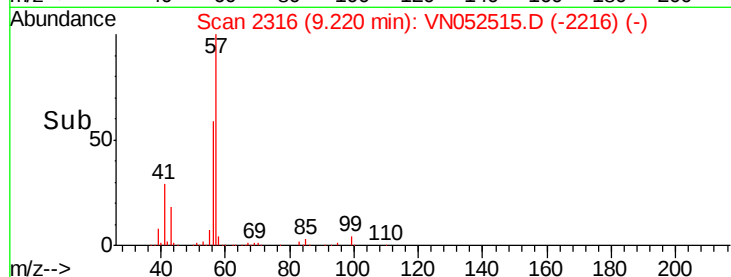
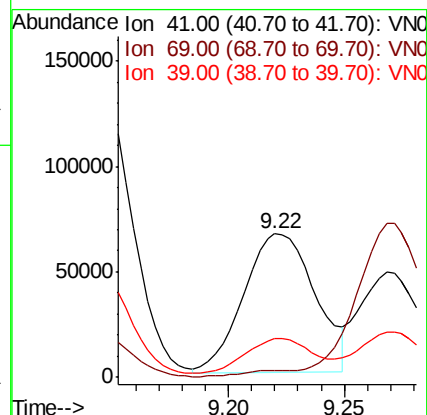
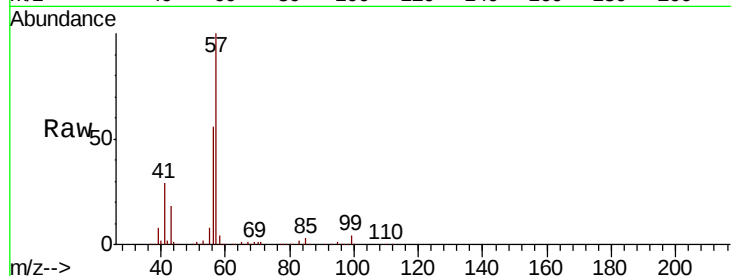




#48
Methvl methacrylate
Concen: 12.915 ug/l
RT: 9.22 min Scan# 2316
Delta R.T. 0.02 min
Lab File: VN052515.D
Acq: 28 Nov 2018 13:10

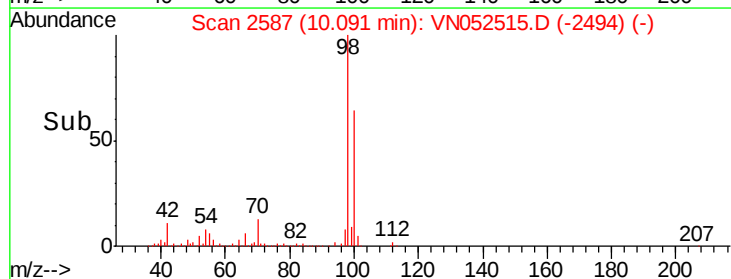
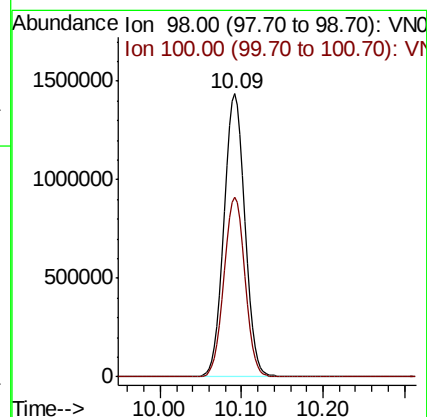
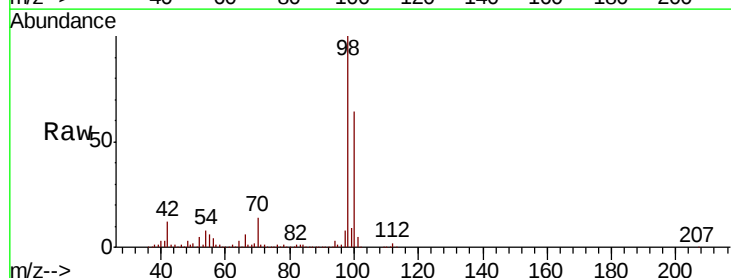
Instrument :
MSVOA_N
ClientSampled :
AOC2-01R

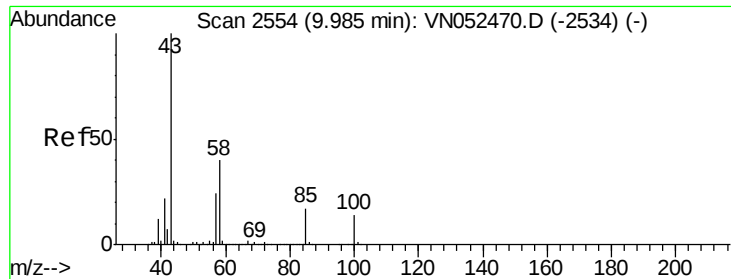
Tot Ion: 41 Resp: 141455
Ion Ratio Lower Upper
41 100
69 0.0 70.0 105.0#
39 23.8 42.6 64.0#



#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN052515.D
Acq: 28 Nov 2018 13:10

Tgt Ion: 98 Resp: 2625470
Ion Ratio Lower Upper
98 100
100 64.0 51.3 76.9

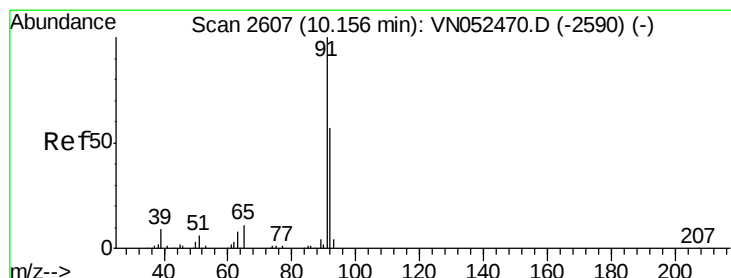
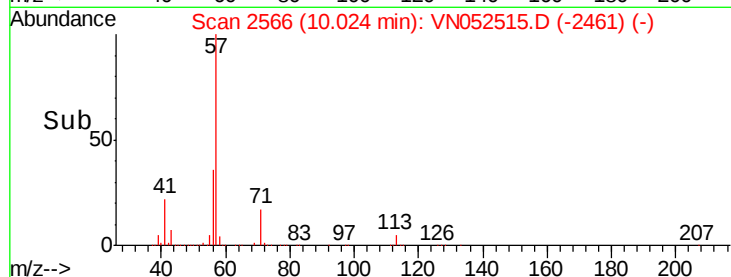
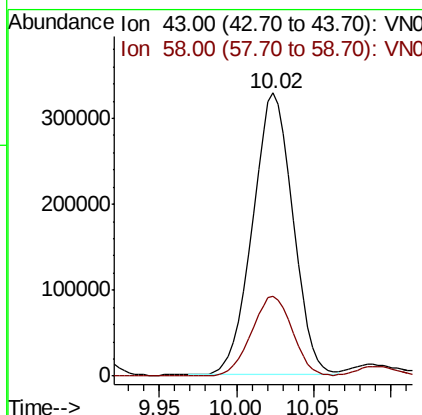
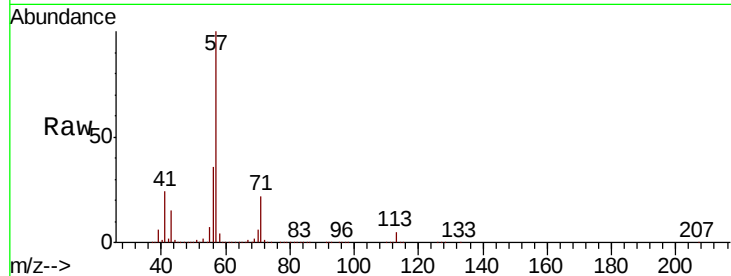




#51
 4-Methyl-2-Pentanone
 Concen: 50.478 ug/l
 RT: 10.02 min Scan# 2566
 Delta R.T. 0.04 min
 Lab File: VN052515.D
 Acq: 28 Nov 2018 13:10

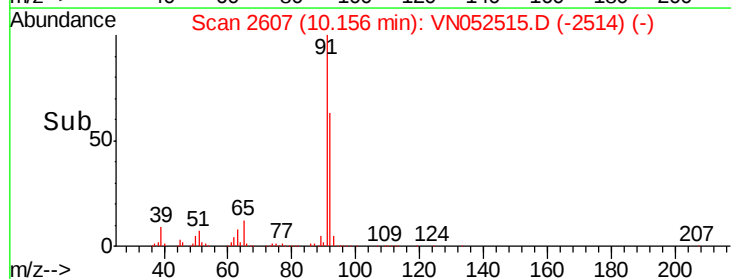
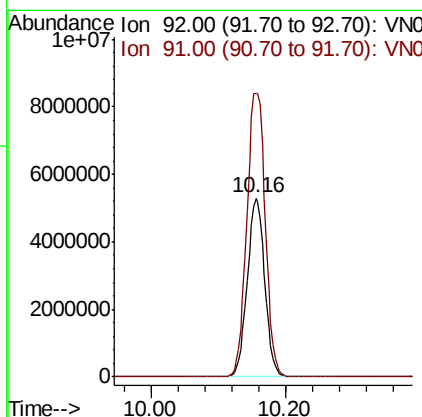
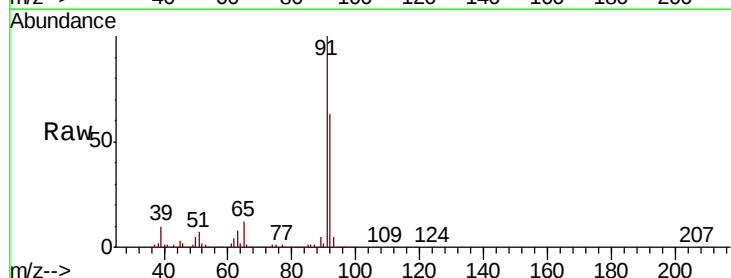
Instrument :
 MSVOA_N
 ClientSampleId :
 AOC2-01R

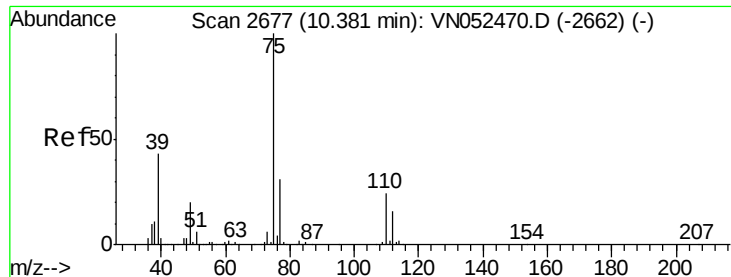
Tot Ion: 43 Resp: 594924
 Ion Ratio Lower Upper
 43 100
 58 28.7 31.5 47.3#



#52
 Toluene
 Concen: 264.319 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN052515.D
 Acq: 28 Nov 2018 13:10

Tgt Ion: 92 Resp: 9518913
 Ion Ratio Lower Upper
 92 100
 91 169.4 141.0 211.4





#53

t-1,3-Dichloropropene

Concen: 5.494 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.23 min

Lab File: VN052515.D

Acq: 28 Nov 2018 13:10

Instrument :

MSVOA_N

ClientSampled :

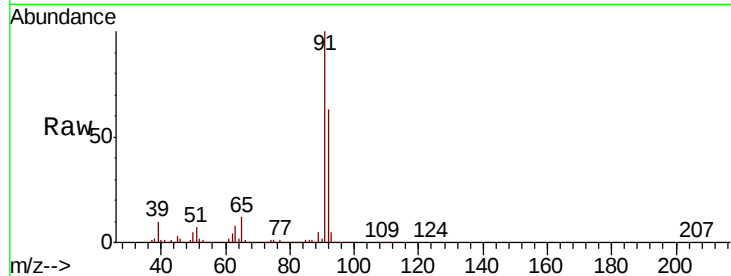
AOC2-01R

Tot Ion: 75 Resp: 102519

Ion Ratio Lower Upper

75 100

77 165.1 25.0 37.4#

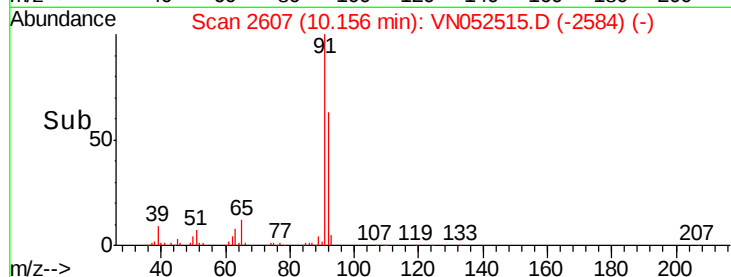


Abundance Ion 74.90 (74.60 to 75.60): VN052470.D (-2662) (-)

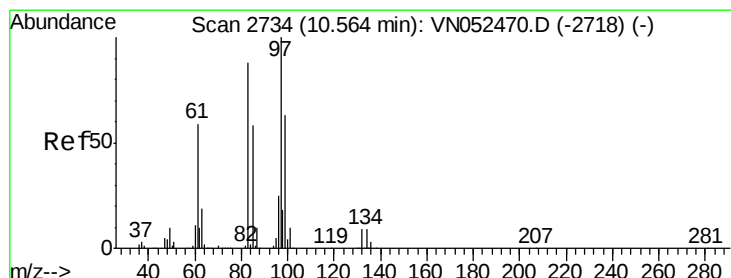
Ion 76.90 (76.60 to 77.60): VN052470.D (-2662) (-)

10.16

Time-->



Time-->



#55

1,1,2-Trichloroethane

Concen: 12.562 ug/l

RT: 10.53 min Scan# 2724

Delta R.T. -0.03 min

Lab File: VN052515.D

Acq: 28 Nov 2018 13:10

Tgt Ion: 97 Resp: 159125

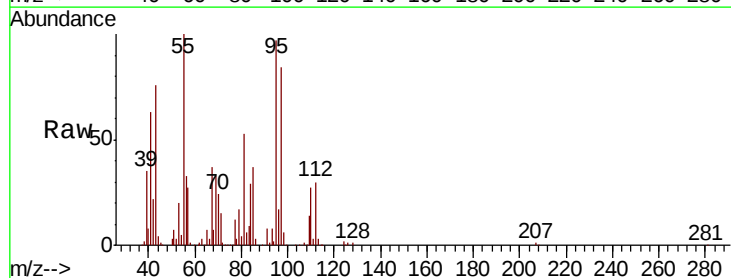
Ion Ratio Lower Upper

97 100

83 4.4 70.7 106.1#

85 44.1 46.1 69.1#

99 0.2 50.8 76.2#



Abundance Ion 96.90 (96.60 to 97.60): VN052470.D (-2718) (-)

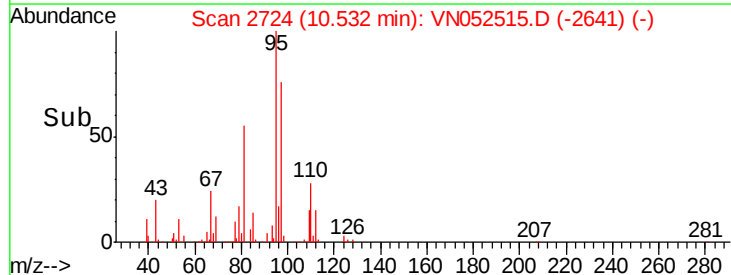
Ion 82.90 (82.60 to 83.60): VN052470.D (-2718) (-)

Ion 84.90 (84.60 to 85.60): VN052470.D (-2718) (-)

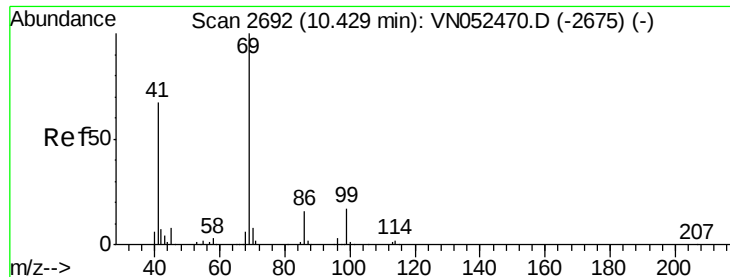
Ion 98.90 (98.60 to 99.60): VN052470.D (-2718) (-)

10.53

Time-->



Time-->



#56

Ethyl methacrylate

Concen: 3.558 ug/l

RT: 10.47 min Scan# 2704

Delta R.T. 0.04 min

Lab File: VN052515.D

Acq: 28 Nov 2018 13:10

Instrument :

MSVOA_N

ClientSampleId :

AOC2-01R

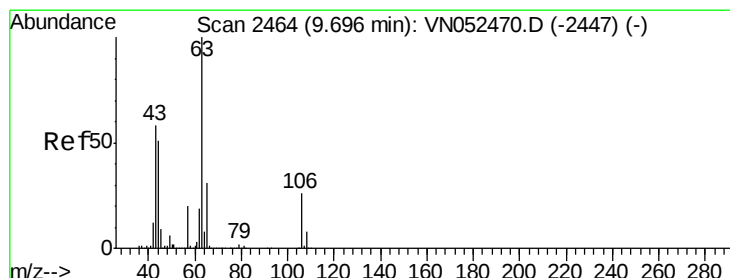
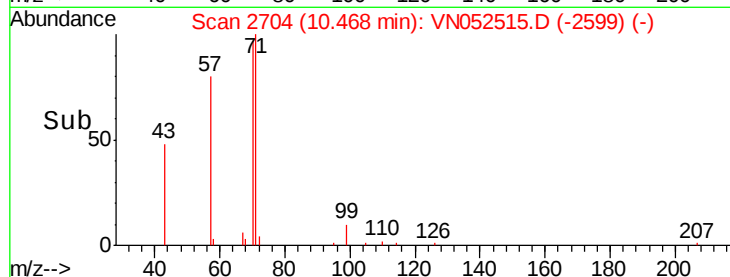
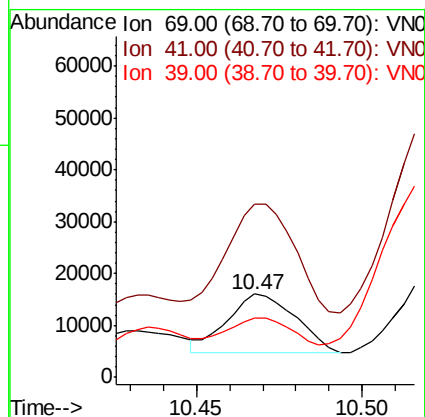
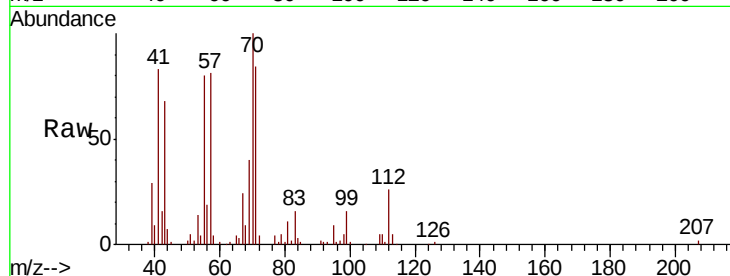
Tot Ion: 69 Resp: 16080

Ion Ratio Lower Upper

69 100

41 184.6 52.6 79.0#

39 0.0 25.9 38.9#



#58

2-Chloroethyl Vinyl ether

Concen: 0.448 ug/l

RT: 9.72 min Scan# 2473

Delta R.T. 0.03 min

Lab File: VN052515.D

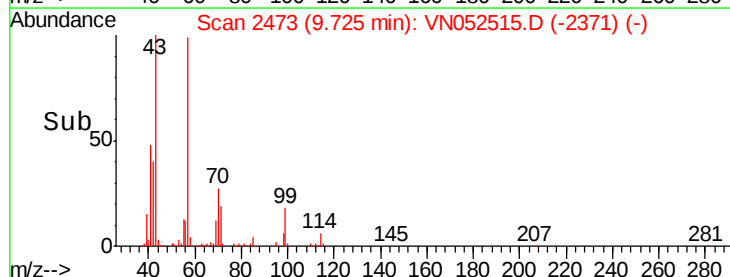
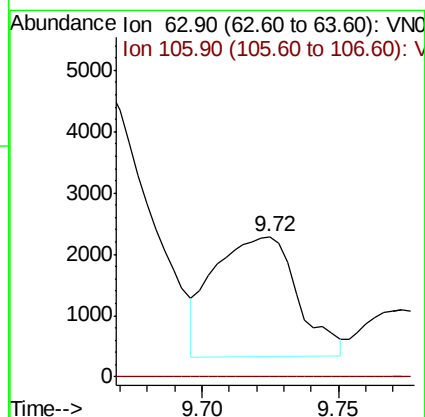
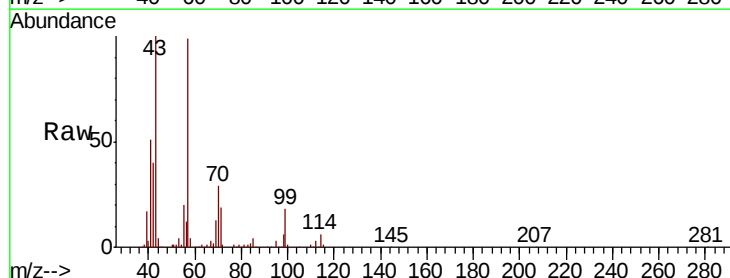
Acq: 28 Nov 2018 13:10

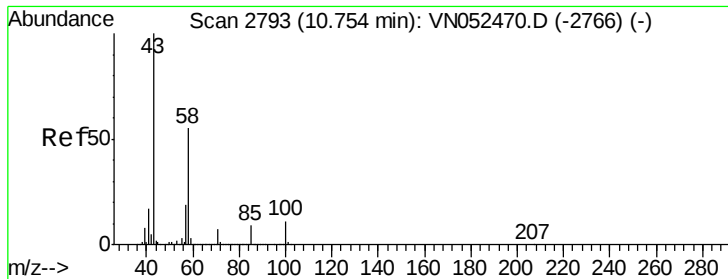
Tgt Ion: 63 Resp: 4119

Ion Ratio Lower Upper

63 100

106 0.0 20.6 30.8#





#59

2-Hexanone

Concen: 16.622 ug/l

RT: 10.72 min Scan# 2782

Delta R.T. -0.04 min

Lab File: VN052515.D

Acq: 28 Nov 2018 13:10

Instrument :

MSVOA_N

ClientSampleId :

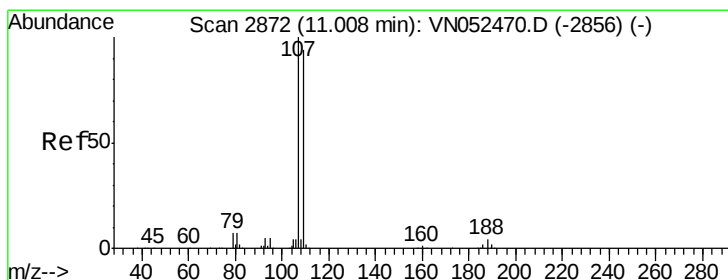
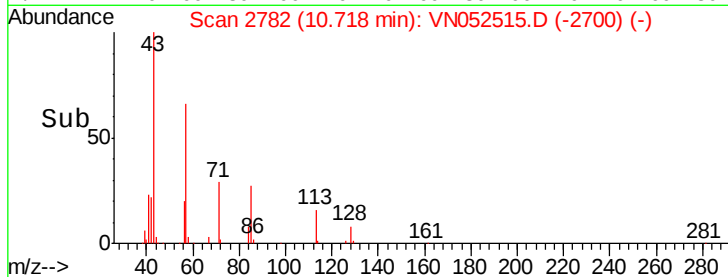
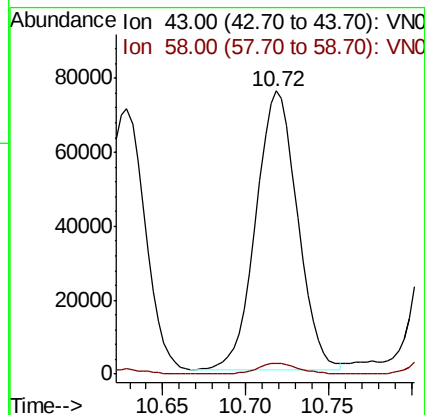
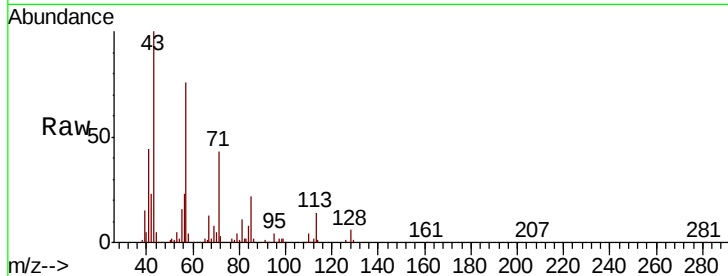
AOC2-01R

Tot Ion: 43 Resp: 131479

Ion Ratio Lower Upper

43 100

58 4.2 27.4 82.0#



#61

1,2-Dibromoethane

Concen: 1.259 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VN052515.D

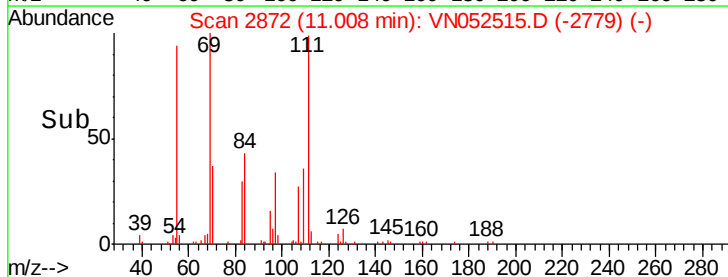
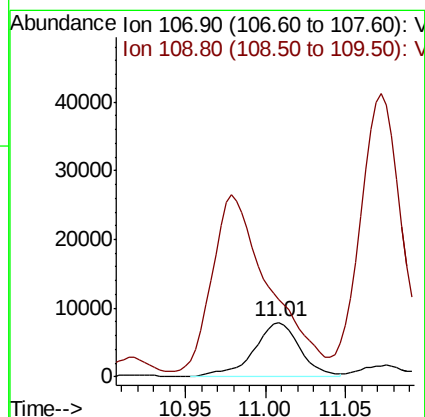
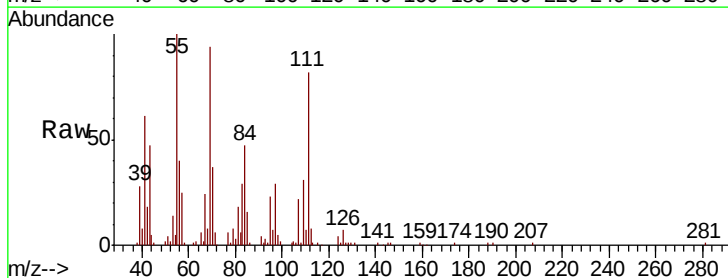
Acq: 28 Nov 2018 13:10

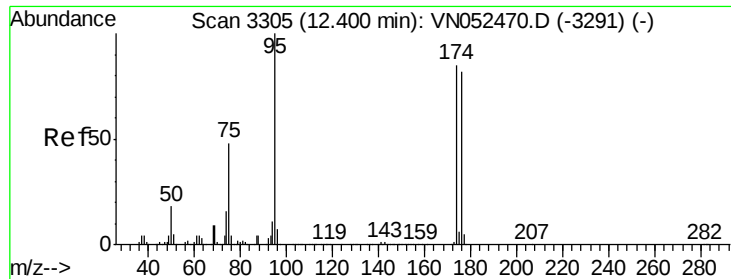
Tgt Ion: 107 Resp: 15841

Ion Ratio Lower Upper

107 100

109 0.0 75.6 113.4#

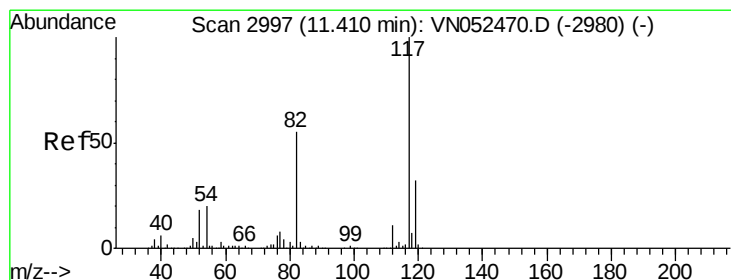
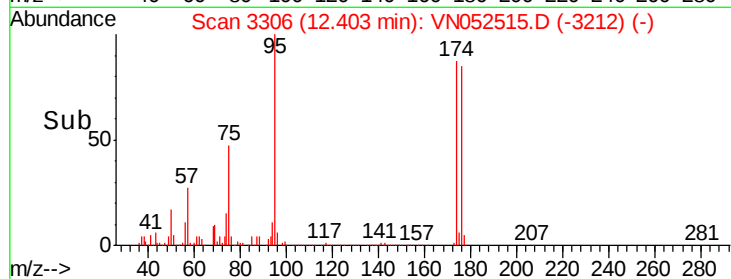
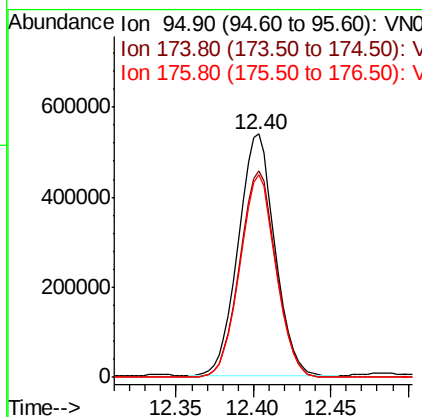
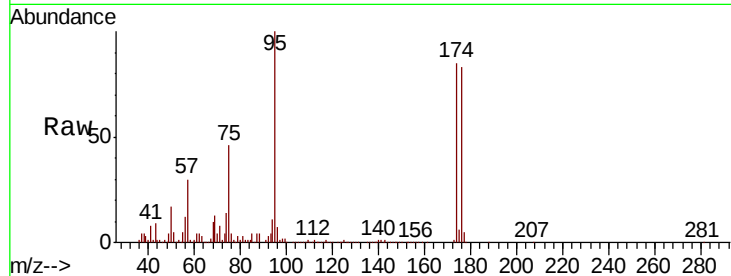




#62
4-Bromofluorobenzene
Concen: 1.259 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN052515.D
Acq: 28 Nov 2018 13:10

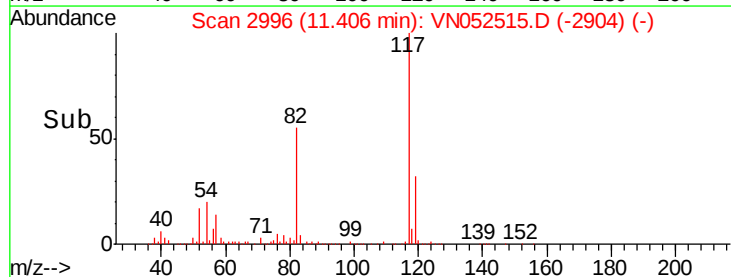
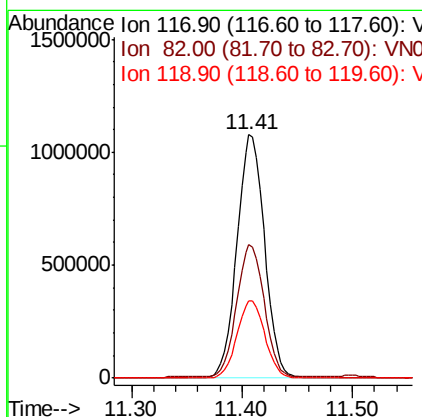
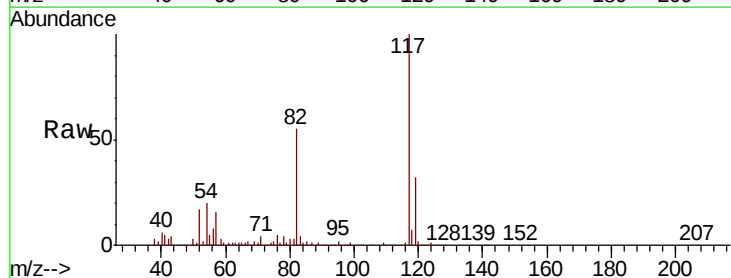
Instrument :
MSVOA_N
ClientSampleId :
AOC2-01R

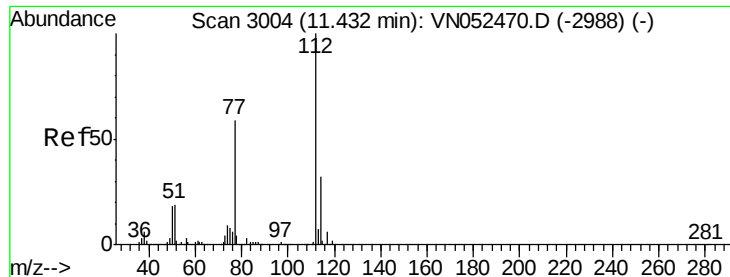
Tot Ion	Ratio	Lower	Upper
95	100		
174	85.4	0.0	173.0
176	82.8	0.0	166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052515.D
Acq: 28 Nov 2018 13:10

Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.4	43.6	65.4
119	31.8	25.4	38.2





#65

Chlorobenzene

Concen: 0.566 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN052515.D

Acq: 28 Nov 2018 13:10

Instrument :

MSVOA_N

ClientSampled :

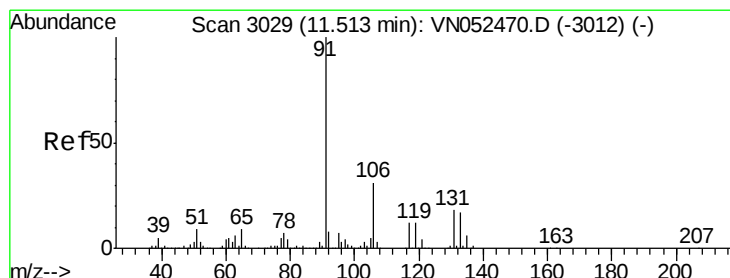
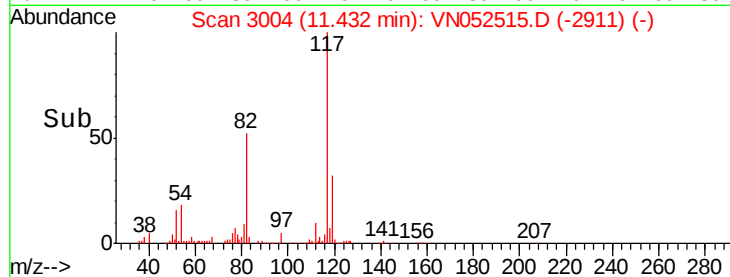
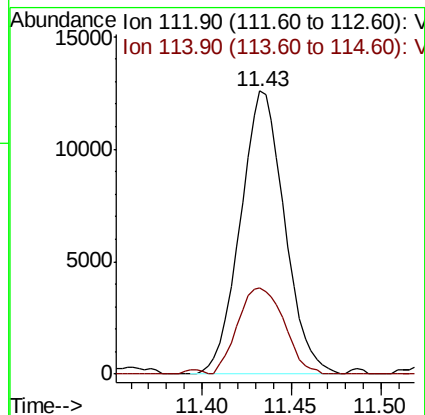
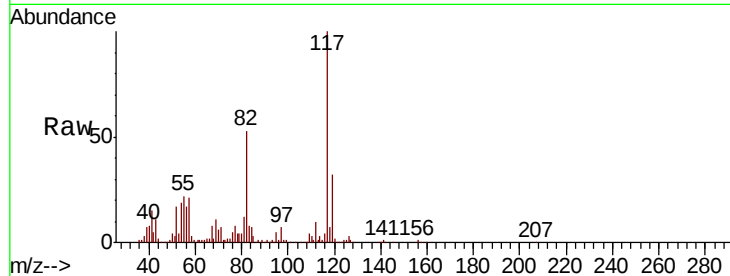
AOC2-01R

Tot Ion:112 Resp: 21799

Ion Ratio Lower Upper

112 100

114 30.3 25.8 38.6



#67

Ethyl Benzene

Concen: 57.859 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN052515.D

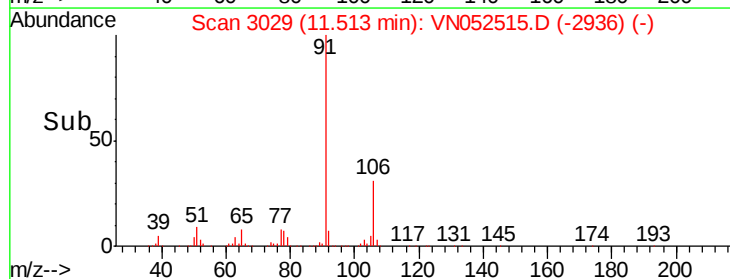
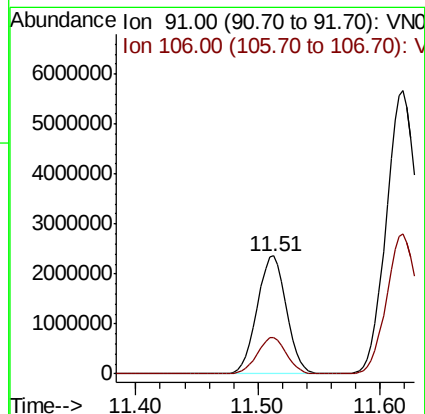
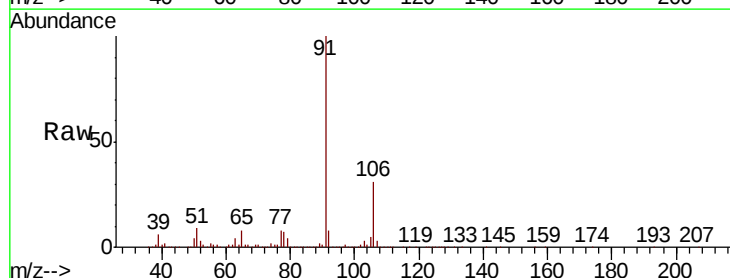
Acq: 28 Nov 2018 13:10

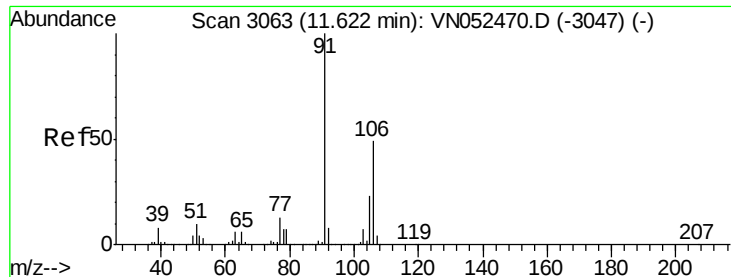
Tgt Ion: 91 Resp: 3905106

Ion Ratio Lower Upper

91 100

106 31.0 24.9 37.3

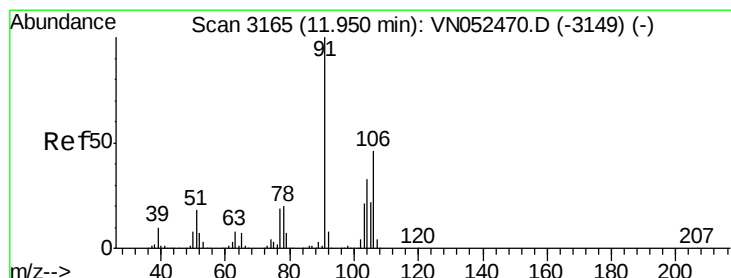
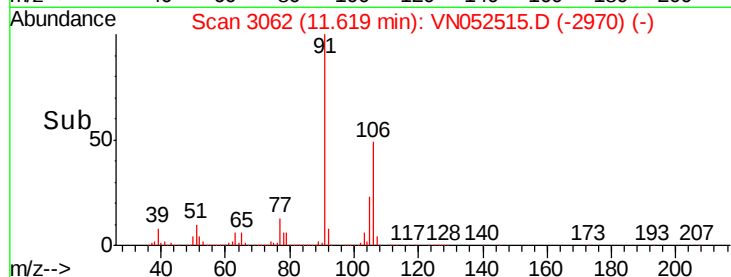
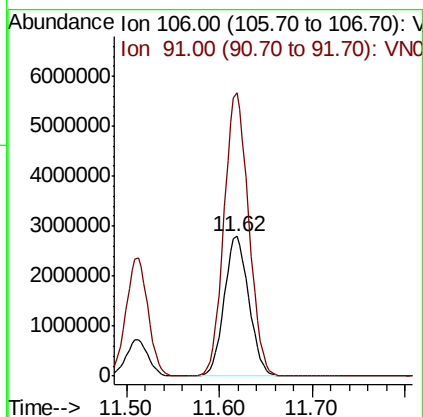
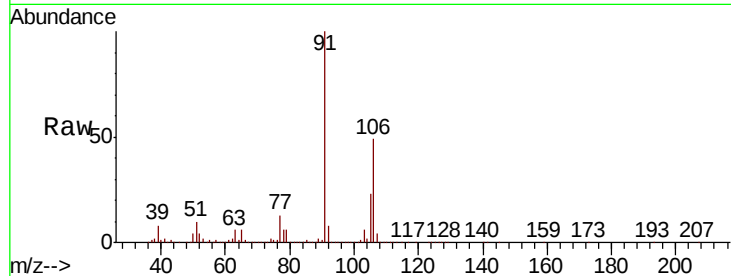




#68
m/p-Xylenes
Concen: 204.598 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN052515.D
Acq: 28 Nov 2018 13:10

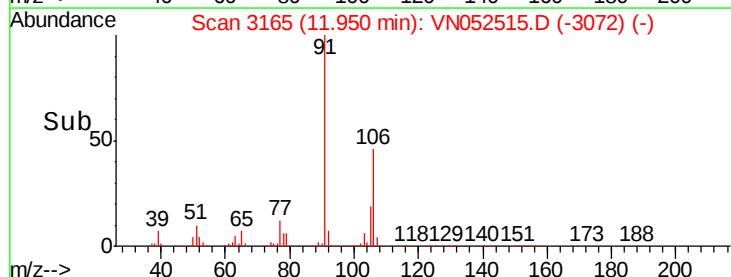
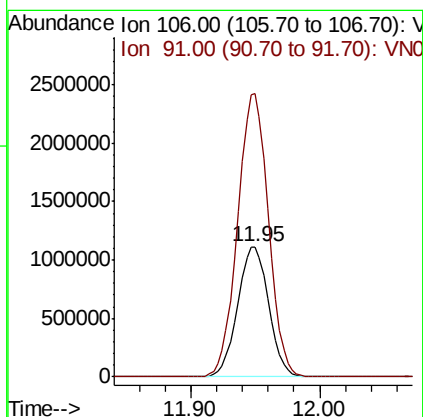
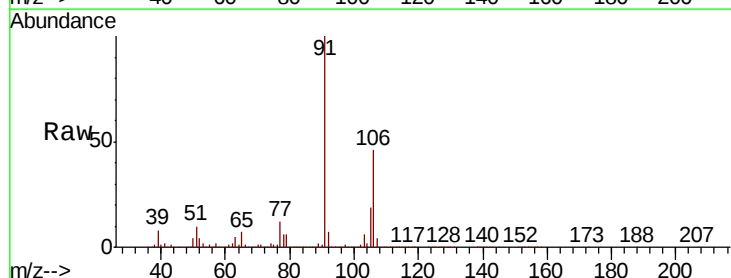
Instrument :
MSVOA_N
ClientSampleId :
AOC2-01R

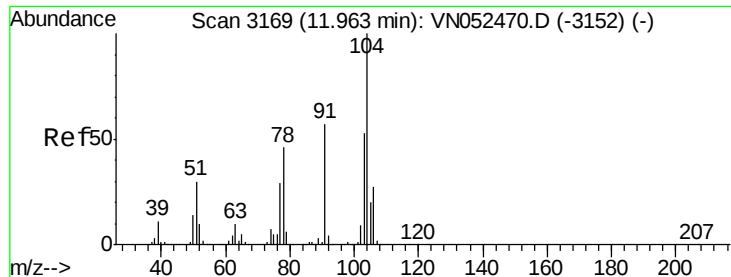
Tot Ion:106 Resp: 5140763
Ion Ratio Lower Upper
106 100
91 203.4 163.2 244.8



#69
o-Xylene
Concen: 76.009 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN052515.D
Acq: 28 Nov 2018 13:10

Tgt Ion:106 Resp: 1854606
Ion Ratio Lower Upper
106 100
91 216.3 107.7 323.1

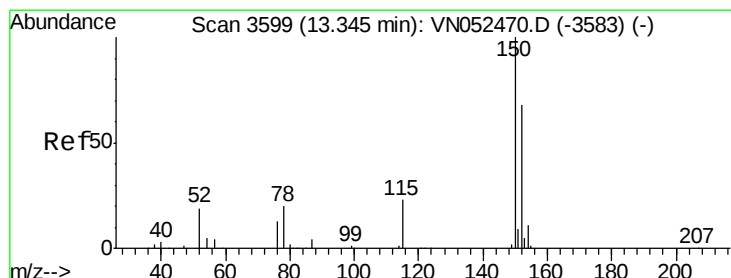
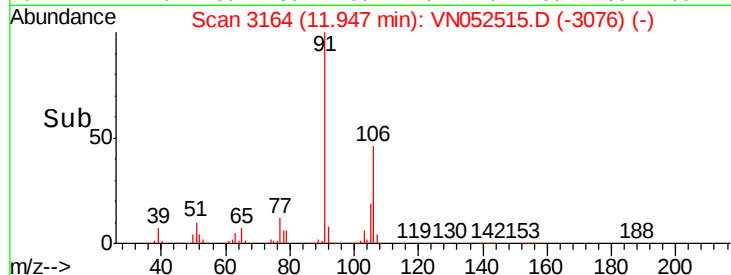
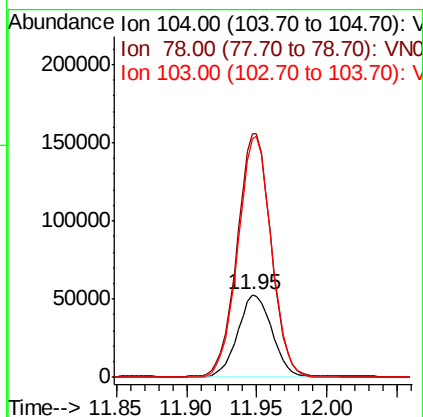
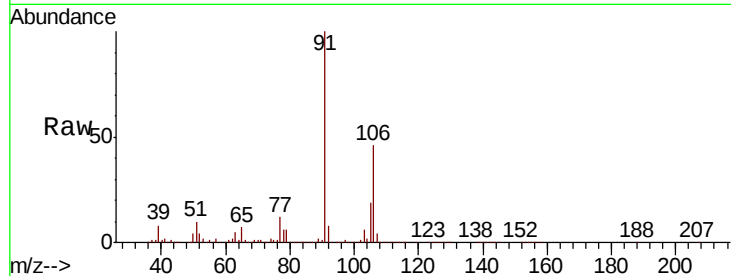




#70
Stvrene
Concen: 2.331 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.02 min
Lab File: VN052515.D
Acq: 28 Nov 2018 13:10

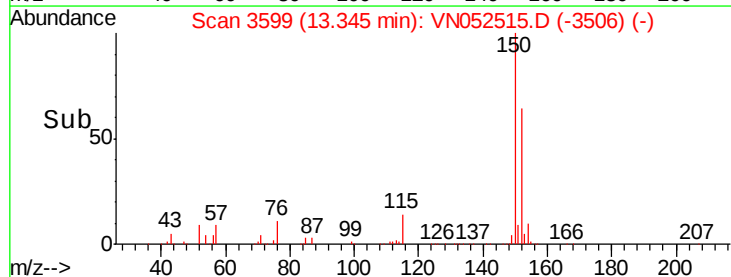
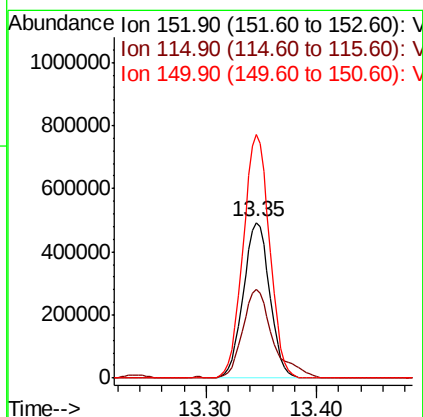
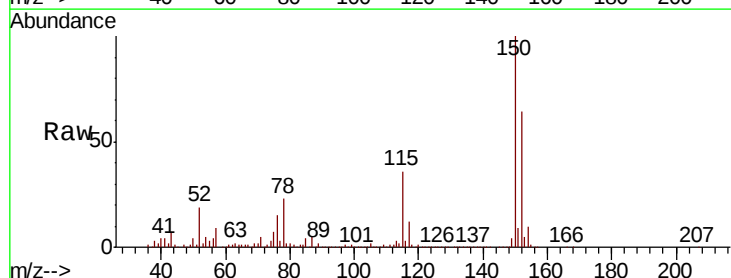
Instrument :
MSVOA_N
ClientSampleId :
AOC2-01R

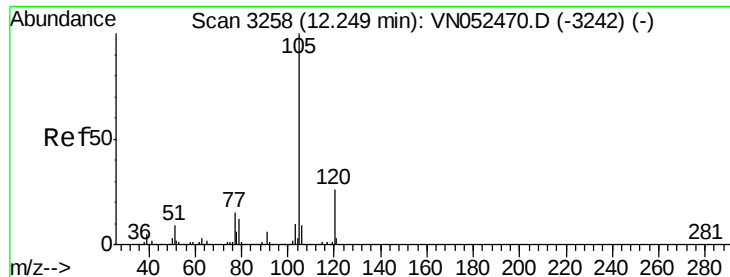
Tot Ion:104 Resp: 90589
Ion Ratio Lower Upper
104 100
78 289.0 39.4 59.2#
103 282.7 44.9 67.3#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN052515.D
Acq: 28 Nov 2018 13:10

Tgt Ion:152 Resp: 813316
Ion Ratio Lower Upper
152 100
115 64.1 28.4 85.2
150 156.5 0.0 346.0





#73

Isopropylbenzene

Concen: 6.246 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN052515.D

Acq: 28 Nov 2018 13:10

Instrument :

MSVOA_N

ClientSampled :

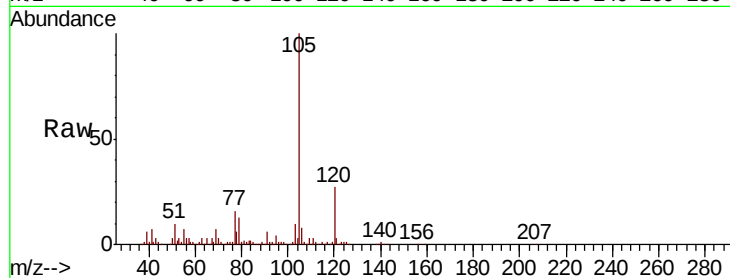
AOC2-01R

Tot Ion:105 Resp: 398586

Ion Ratio Lower Upper

105 100

120 26.9 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

250000

200000

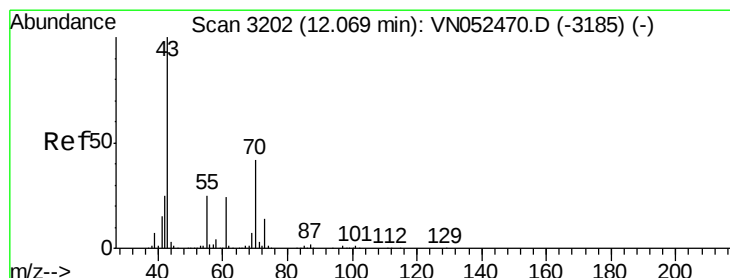
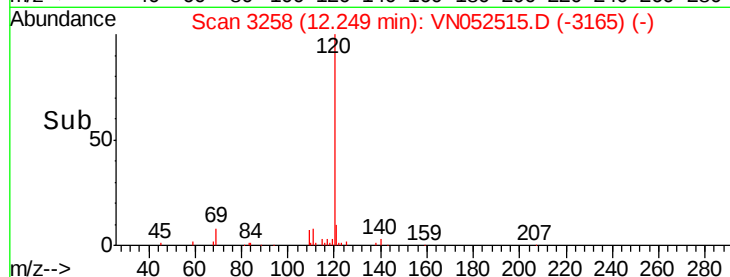
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 6.249 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.03 min

Lab File: VN052515.D

Acq: 28 Nov 2018 13:10

Tgt Ion: 43 Resp: 100744

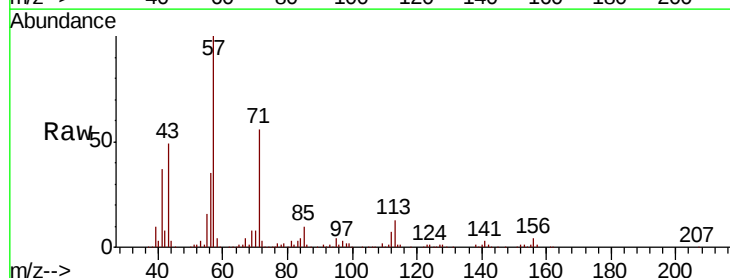
Ion Ratio Lower Upper

43 100

70 0.0 33.8 50.8#

55 0.0 20.0 30.0#

61 0.0 19.7 29.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

12.04

80000

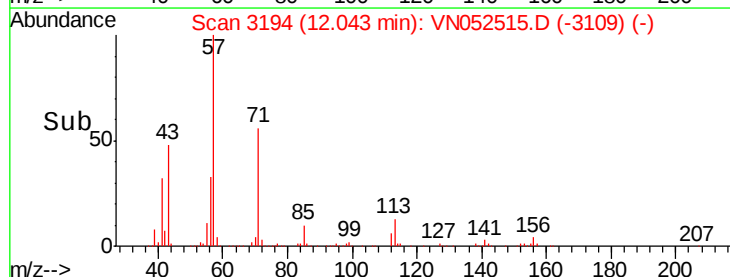
60000

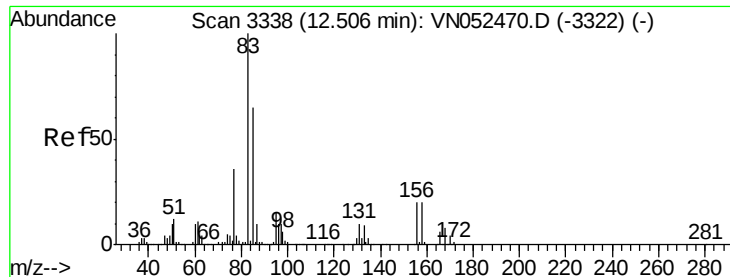
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 0.231 ug/l

RT: 12.49 min Scan# 3333

Delta R.T. -0.02 min

Lab File: VN052515.D

Acq: 28 Nov 2018 13:10

Instrument :

MSVOA_N

ClientSampleId :

AOC2-01R

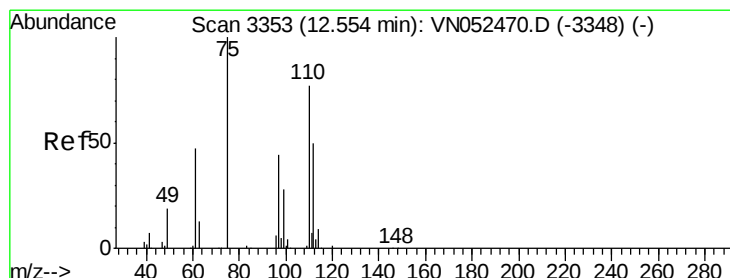
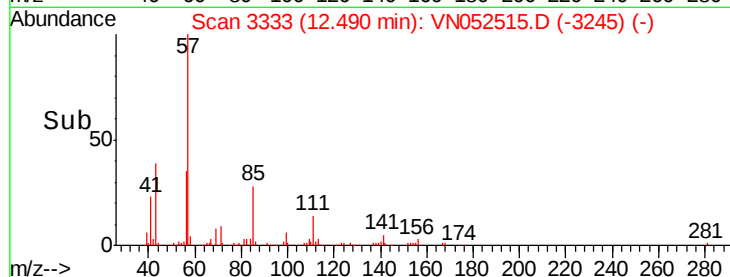
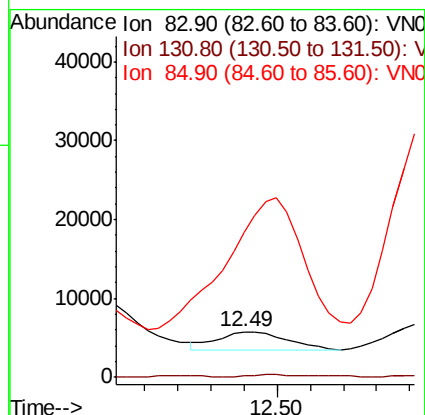
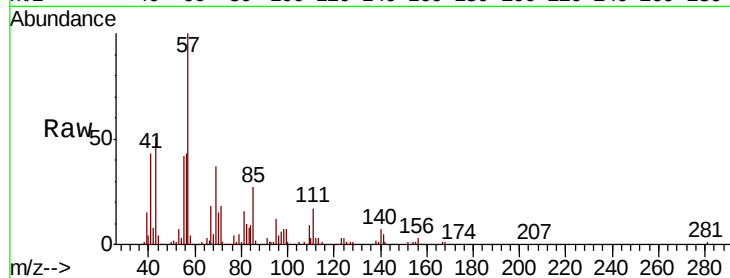
Tot Ion: 83 Resp: 3357

Ion Ratio Lower Upper

83 100

131 9.4 5.0 15.0

85 1140.2 31.9 95.9#



#76

1,2,3-Trichloropropane

Concen: 3.290 ug/l

RT: 12.65 min Scan# 3384

Delta R.T. 0.10 min

Lab File: VN052515.D

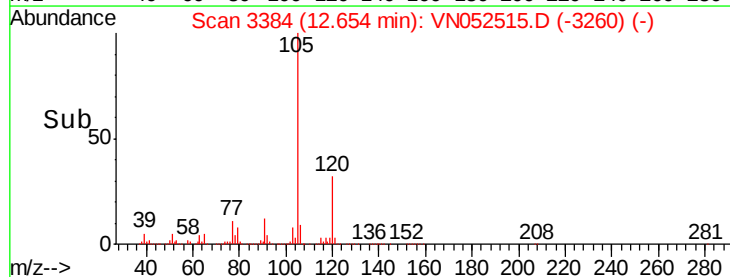
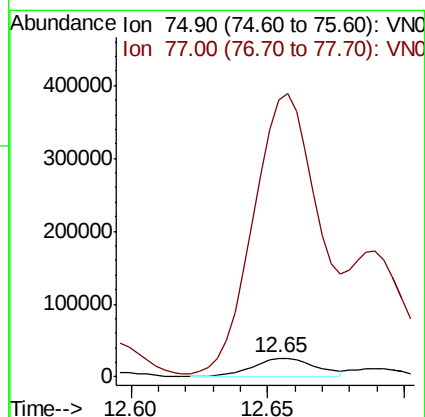
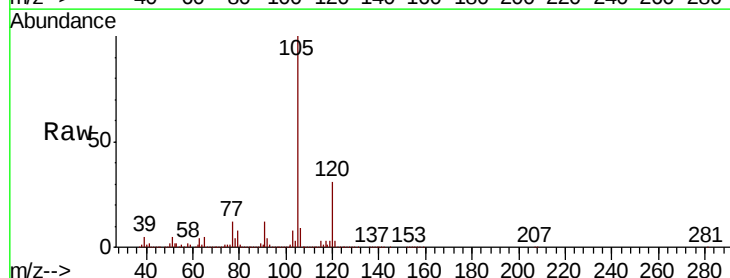
Acq: 28 Nov 2018 13:10

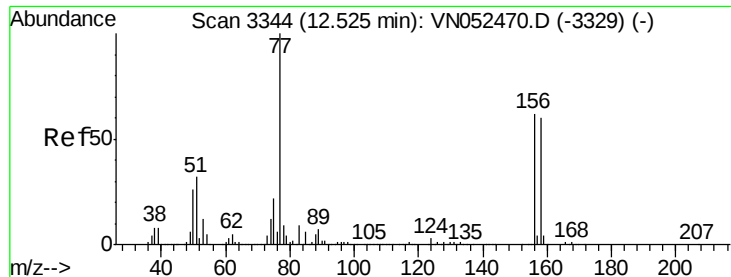
Tgt Ion: 75 Resp: 41260

Ion Ratio Lower Upper

75 100

77 1528.6 0.0 0.0#





#77

Bromobenzene

Concen: 3.981 ug/l

RT: 12.56 min Scan# 3356

Delta R.T. 0.04 min

Lab File: VN052515.D

Acq: 28 Nov 2018 13:10

Instrument :

MSVOA_N

ClientSampled :

AOC2-01R

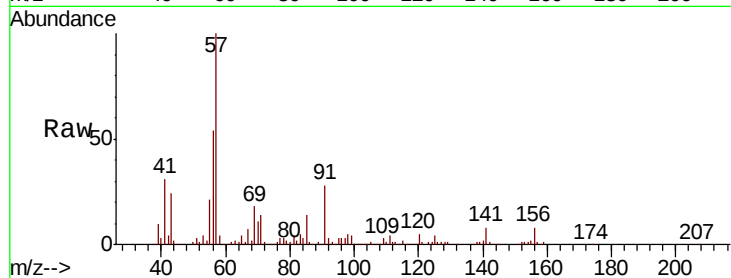
Tot Ion:156 Resp: 62793

Ion Ratio Lower Upper

156 100

77 0.0 93.5 280.4#

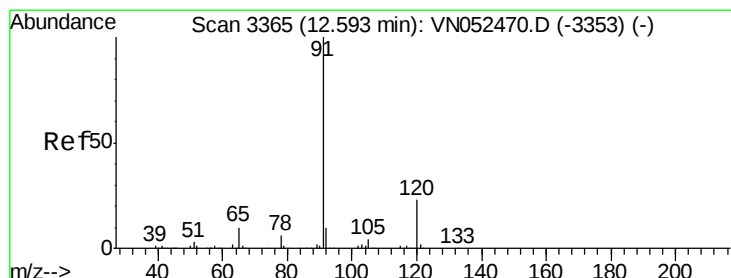
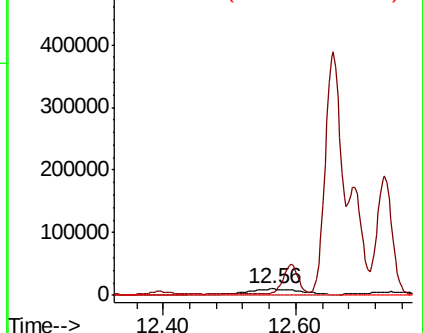
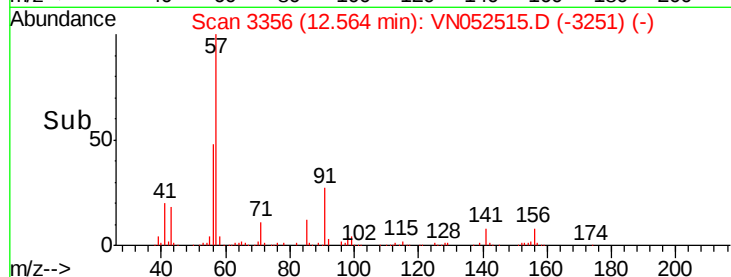
158 0.2 48.3 144.9#



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: 27.286 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN052515.D

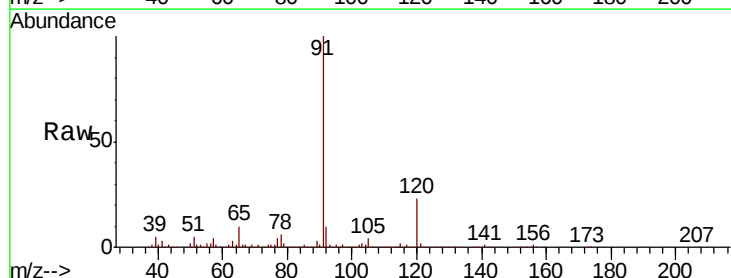
Acq: 28 Nov 2018 13:10

Tgt Ion: 91 Resp: 1977977

Ion Ratio Lower Upper

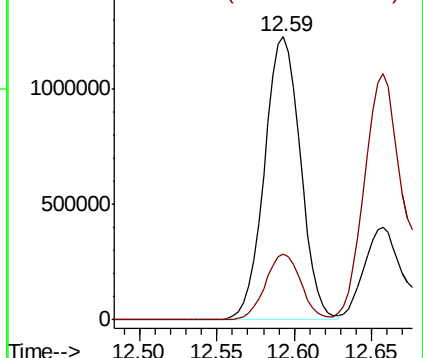
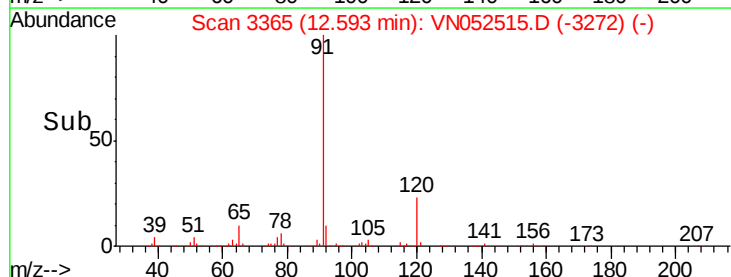
91 100

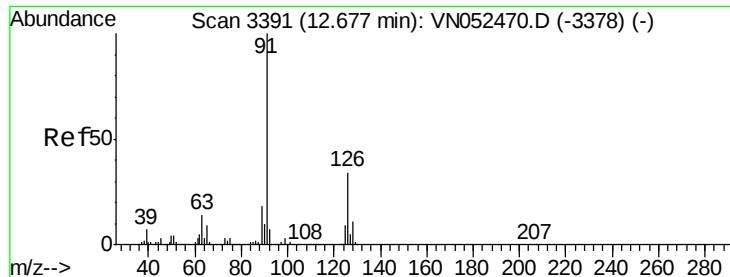
120 23.0 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 14.095 ug/l

RT: 12.66 min Scan# 3385

Delta R.T. -0.02 min

Lab File: VN052515.D

Acq: 28 Nov 2018 13:10

Instrument :

MSVOA_N

ClientSampleId :

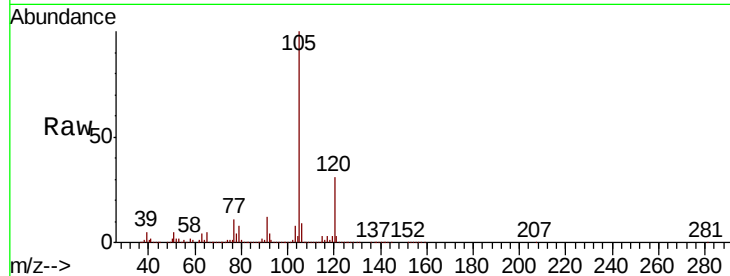
AOC2-01R

Tot Ion: 91 Resp: 608467

Ion Ratio Lower Upper

91 100

126 0.1 17.2 51.6#



Abundance Ion 91.00 (90.70 to 91.70): VN052470.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN052470.D (-3378) (-)

800000

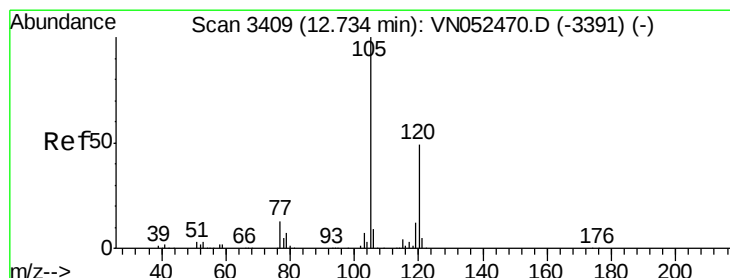
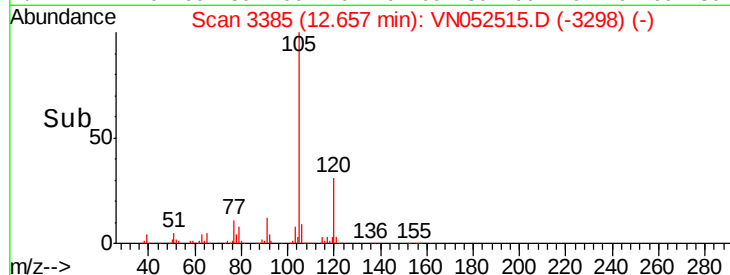
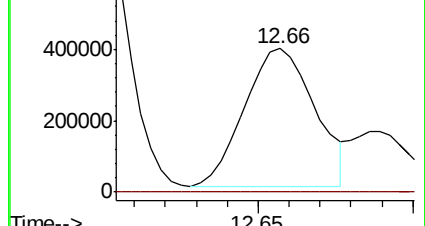
600000

400000

200000

0

12.65



#80

1,3,5-Trimethylbenzene

Concen: 46.847 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN052515.D

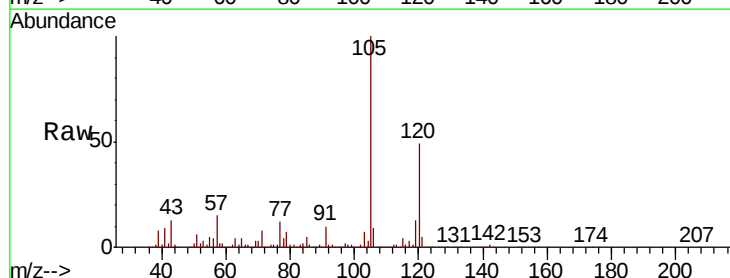
Acq: 28 Nov 2018 13:10

Tgt Ion: 105 Resp: 2384108

Ion Ratio Lower Upper

105 100

120 48.9 24.3 73.0



Abundance Ion 105.00 (104.70 to 105.70): VN052470.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN052470.D (-3391) (-)

3000000

2500000

2000000

1500000

1000000

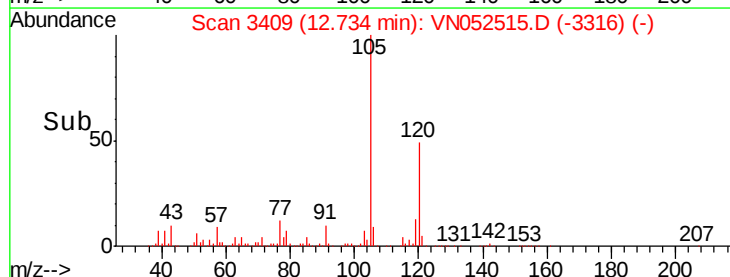
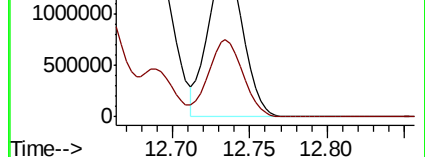
500000

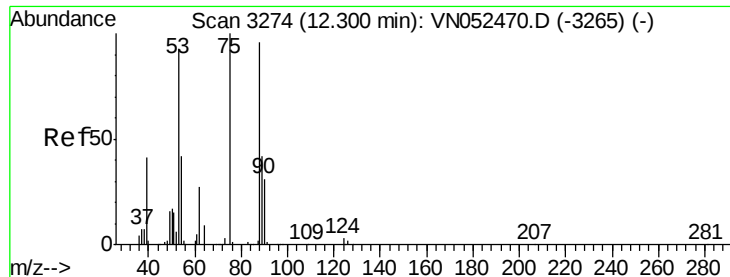
0

12.70

12.73

12.80





#81

trans-1,4-Dichloro-2-butene

Concen: 108.995 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN052515.D

Acq: 28 Nov 2018 13:10

Instrument :

MSVOA_N

ClientSampleId :

AOC2-01R

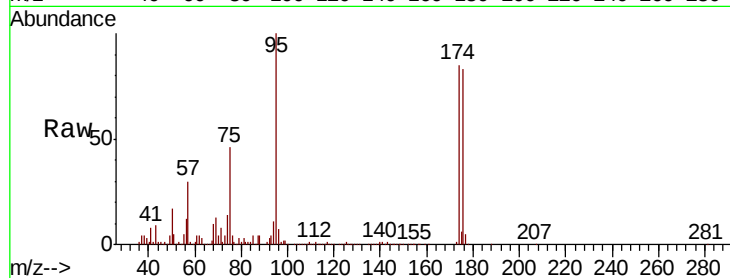
Tot Ion: 75 Resp: 409336

Ion Ratio Lower Upper

75 100

53 6.3 77.4 116.0#

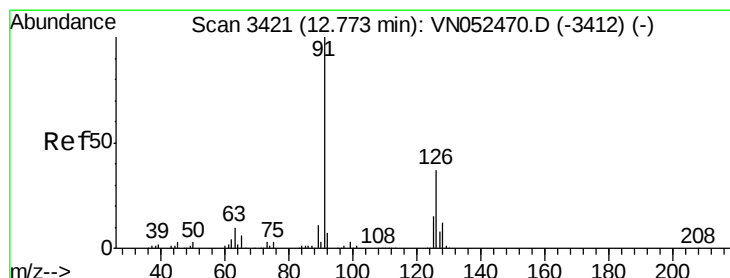
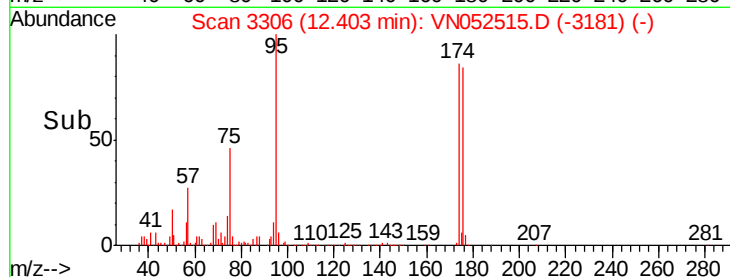
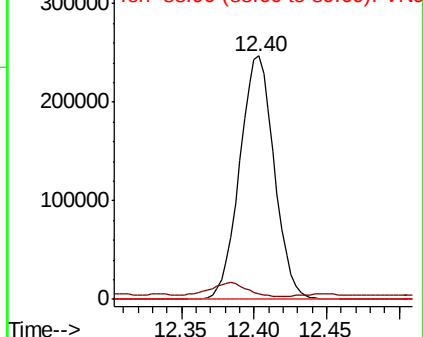
89 0.0 35.4 53.2#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 5.395 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.04 min

Lab File: VN052515.D

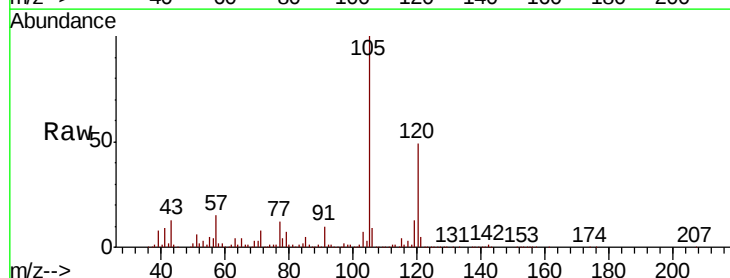
Acq: 28 Nov 2018 13:10

Tgt Ion: 91 Resp: 234735

Ion Ratio Lower Upper

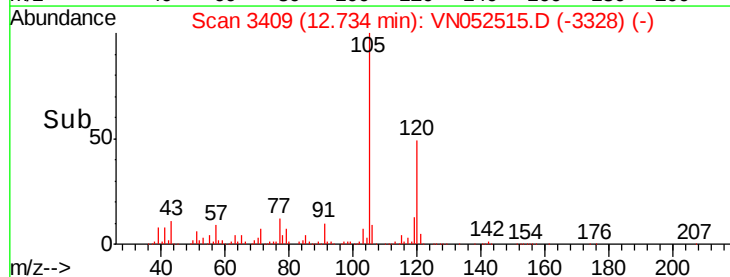
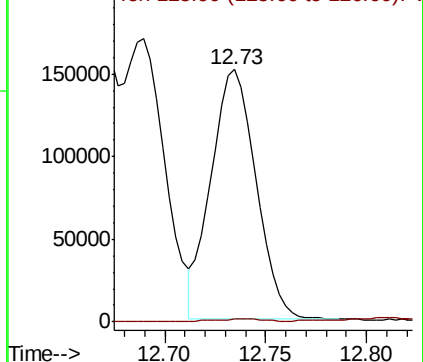
91 100

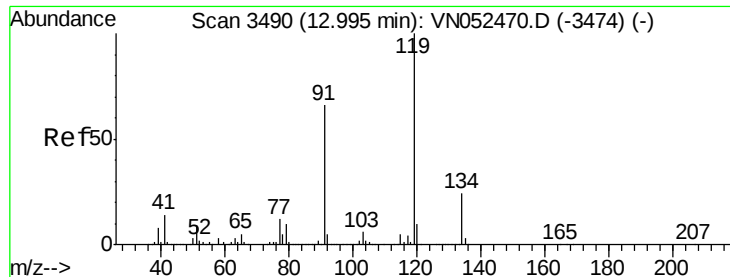
126 1.2 16.9 50.6#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

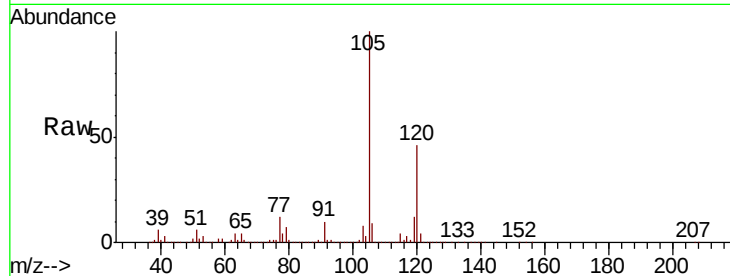




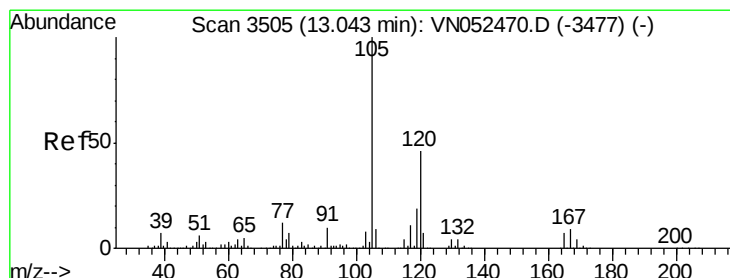
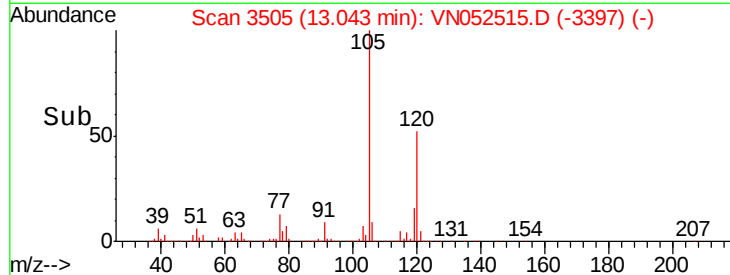
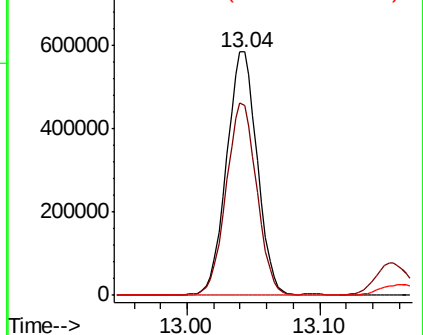
#83
 tert-Butylbenzene
 Concen: 20.559 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.05 min
 Lab File: VN052515.D
 Acq: 28 Nov 2018 13:10

Instrument :
 MSVOA_N
 ClientSampleId :
 AOC2-01R

Tot Ion:119 Resp: 932740
 Ion Ratio Lower Upper
 119 100
 91 78.8 32.3 96.9
 134 0.0 13.0 38.9#

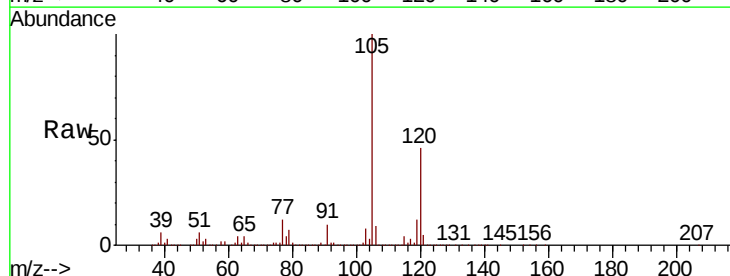


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

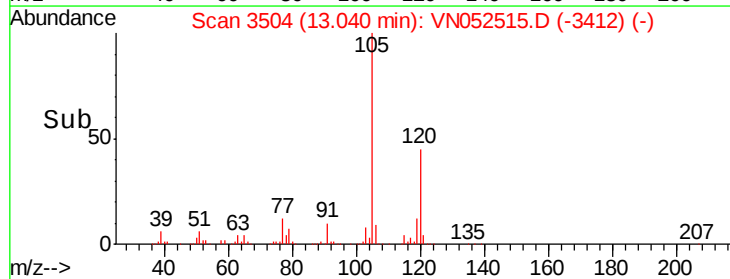
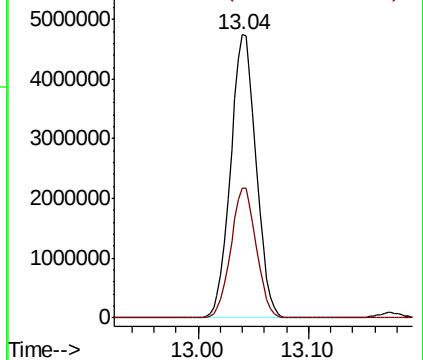


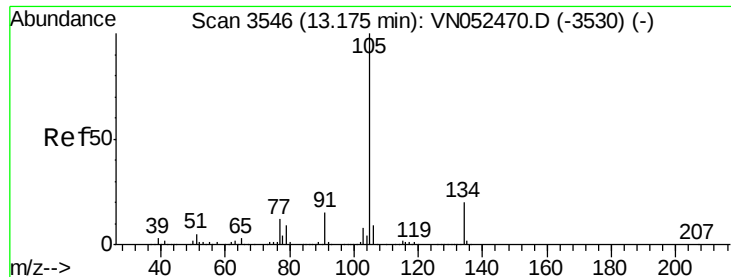
#84
 1,2,4-Trimethylbenzene
 Concen: 148.940 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN052515.D
 Acq: 28 Nov 2018 13:10

Tgt Ion:105 Resp: 7596126
 Ion Ratio Lower Upper
 105 100
 120 45.8 22.8 68.4



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 122.926 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.14 min

Lab File: VN052515.D

Acq: 28 Nov 2018 13:10

Instrument :

MSVOA_N

ClientSampleId :

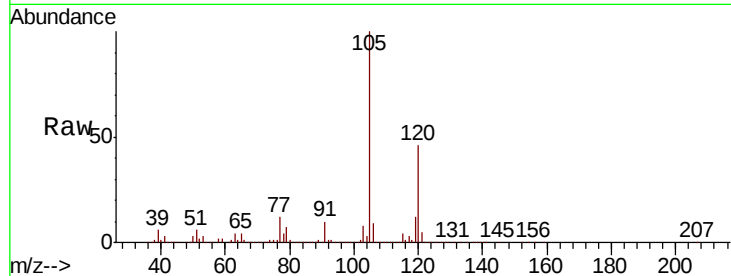
AOC2-01R

Tot Ion:105 Resp: 7596126

Ion Ratio Lower Upper

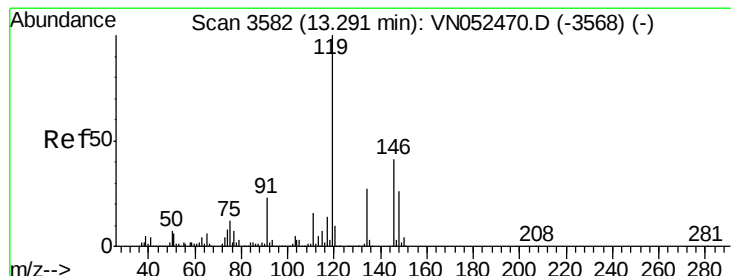
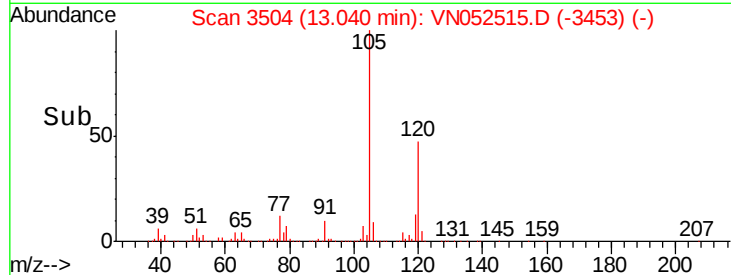
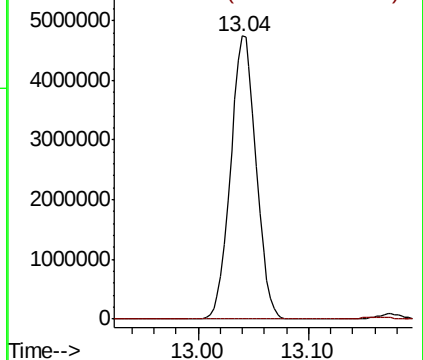
105 100

134 0.0 9.9 29.7#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 3.744 ug/l

RT: 13.24 min Scan# 3565

Delta R.T. -0.05 min

Lab File: VN052515.D

Acq: 28 Nov 2018 13:10

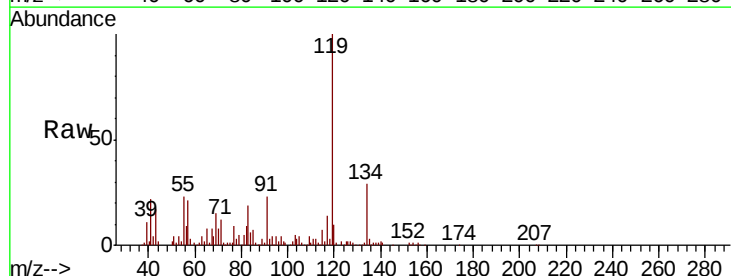
Tgt Ion:119 Resp: 197056

Ion Ratio Lower Upper

119 100

134 28.9 13.4 40.2

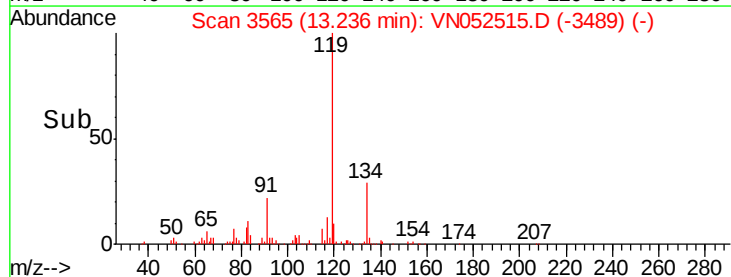
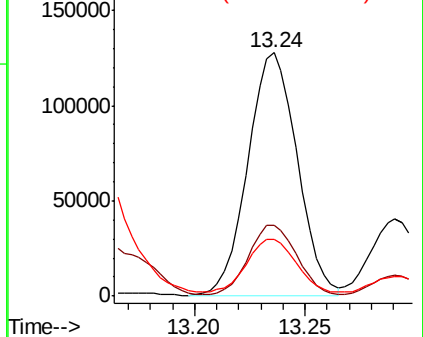
91 22.3 11.4 34.2

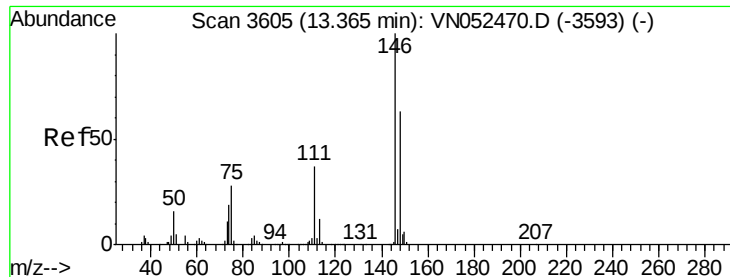


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#88

1,4-Dichlorobenzene

Concen: 0.311 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. -0.00 min

Lab File: VN052515.D

Acq: 28 Nov 2018 13:10

Instrument :

MSVOA_N

ClientSampled :

AOC2-01R

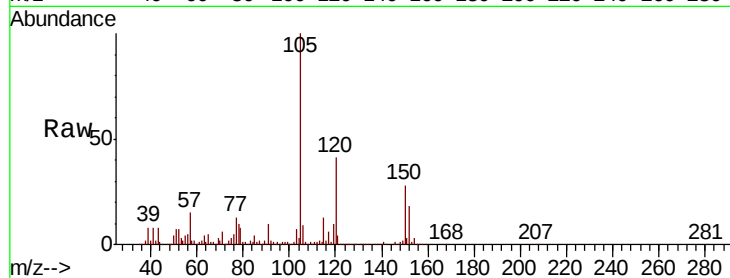
Tot Ion:146 Resp: 8458

Ion Ratio Lower Upper

146 100

111 177.6 18.6 56.0#

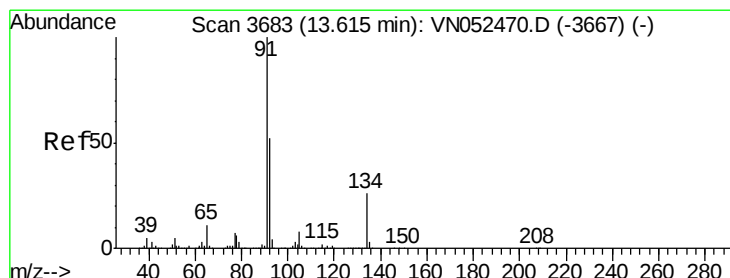
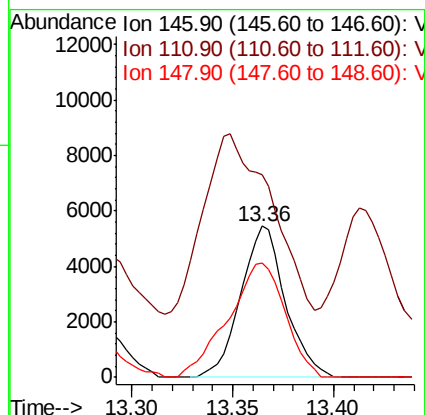
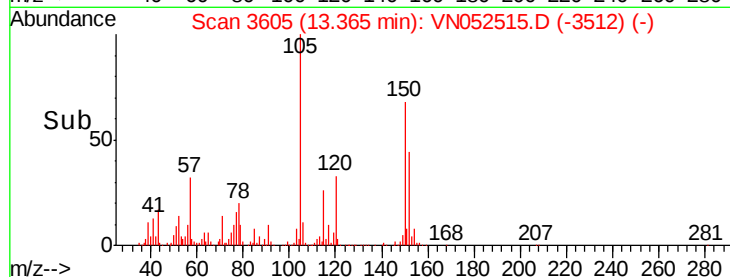
148 95.7 31.9 95.9



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: 6.063 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN052515.D

Acq: 28 Nov 2018 13:10

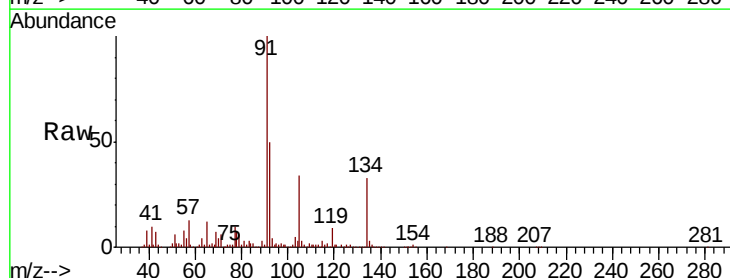
Tgt Ion: 91 Resp: 265385

Ion Ratio Lower Upper

91 100

92 67.4 26.1 78.3

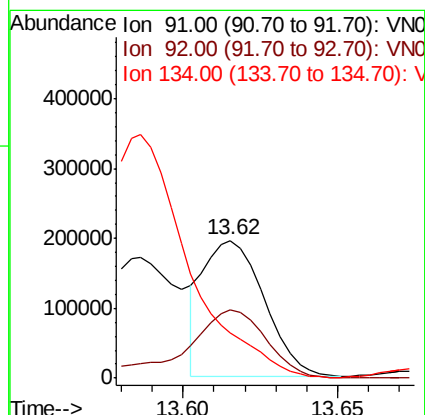
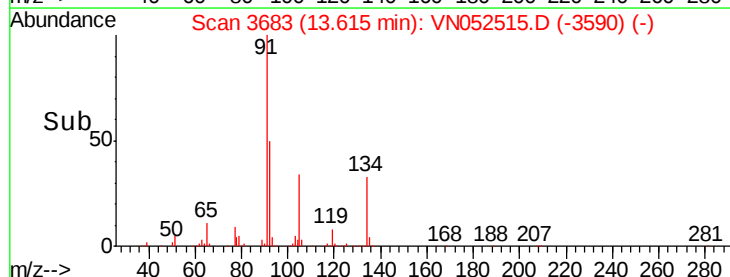
134 0.0 13.0 38.9#

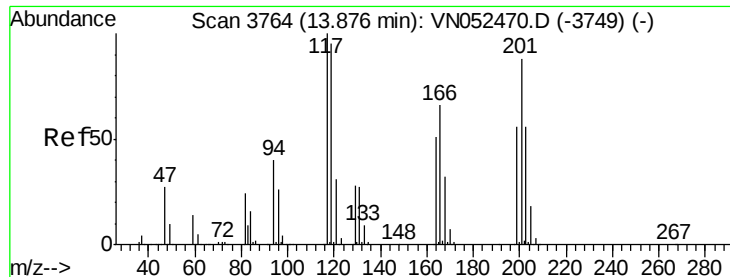


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 12.504 ug/l

RT: 13.89 min Scan# 3769

Delta R.T. 0.02 min

Lab File: VN052515.D

Acq: 28 Nov 2018 13:10

Instrument :

MSVOA_N

ClientSampled :

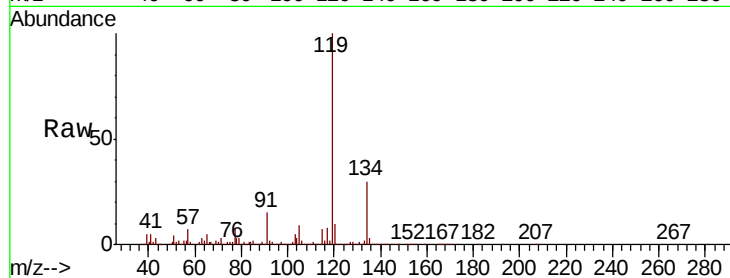
AOC2-01R

Tot Ion:117 Resp: 111431

Ion Ratio Lower Upper

117 100

201 0.0 43.6 130.9#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

100000

80000

60000

40000

20000

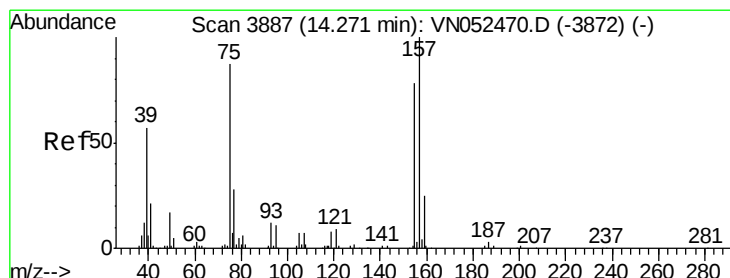
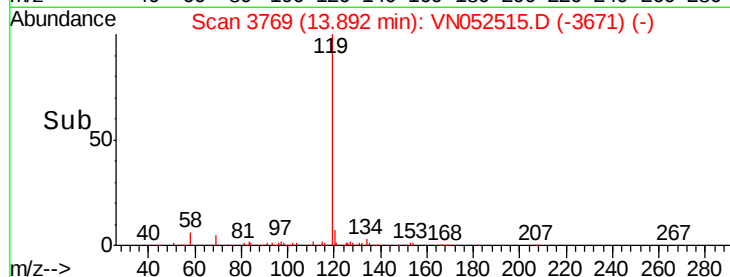
0

13.85

13.89

13.90

Time-->



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.011 ug/l

RT: 14.30 min Scan# 3895

Delta R.T. 0.03 min

Lab File: VN052515.D

Acq: 28 Nov 2018 13:10

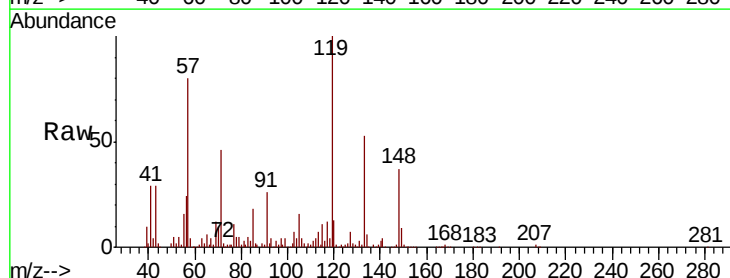
Tgt Ion: 75 Resp: 2098

Ion Ratio Lower Upper

75 100

155 19.6 45.3 135.9#

157 0.0 58.1 174.2#



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

4000

3000

2000

1000

0

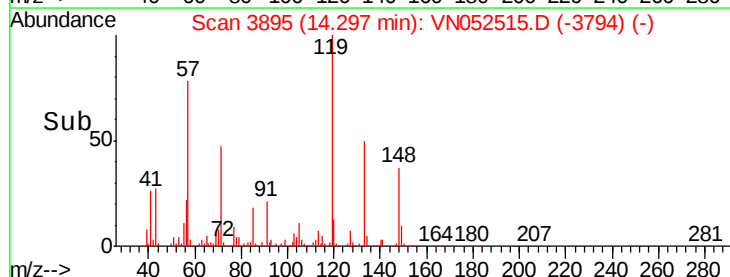
14.26

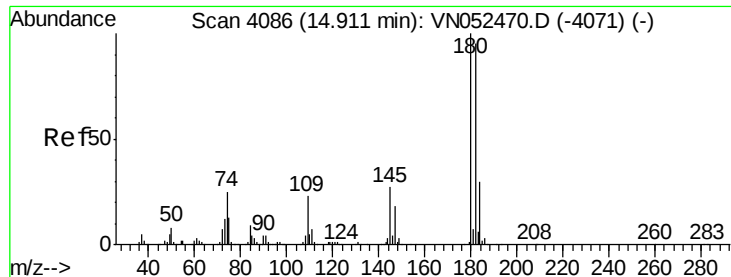
14.28

14.30

14.32

Time-->

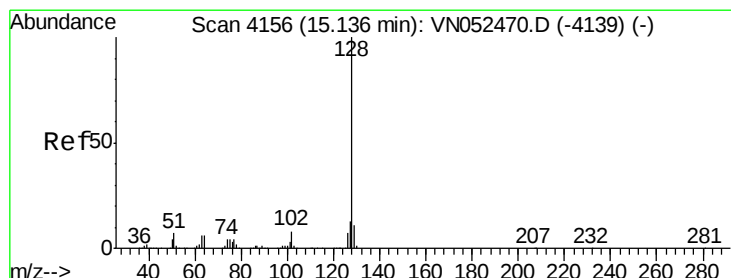
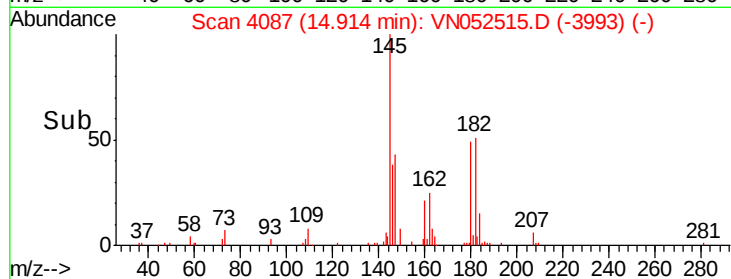
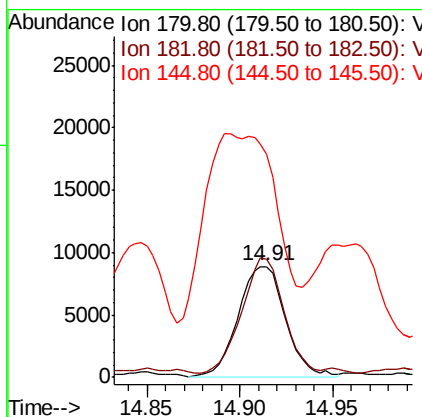
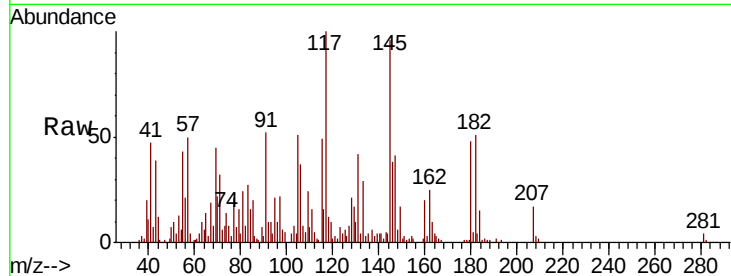




#93
 1,2,4-Trichlorobenzene
 Concen: 3.861 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN052515.D
 Acq: 28 Nov 2018 13:10

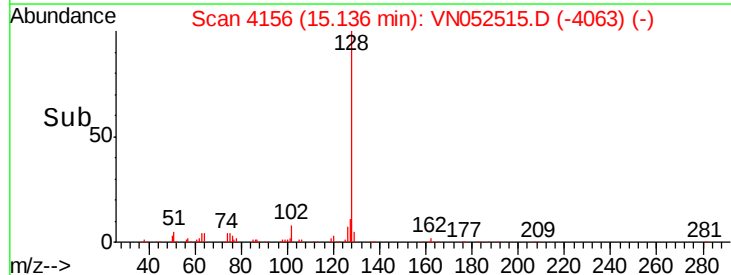
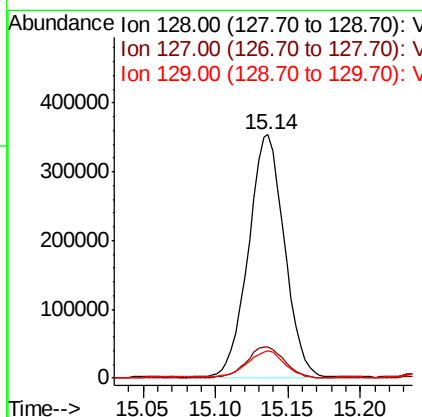
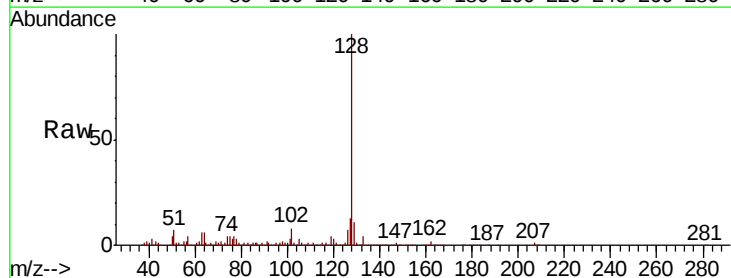
Instrument :
 MSVOA_N
 ClientSampled :
 AOC2-01R

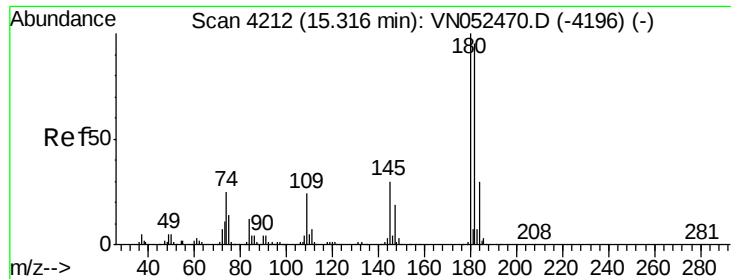
Tot Ion:180 Resp: 15784
 Ion Ratio Lower Upper
 180 100
 182 92.4 47.8 143.4
 145 251.8 14.1 42.3#



#95
 Naphthalene
 Concen: 21.935 ug/l
 RT: 15.14 min Scan# 4156
 Delta R.T. 0.00 min
 Lab File: VN052515.D
 Acq: 28 Nov 2018 13:10

Tgt Ion:128 Resp: 608388
 Ion Ratio Lower Upper
 128 100
 127 13.2 10.2 15.2
 129 11.1 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 3.174 ug/l
 RT: 15.32 min Scan# 4213
 Delta R.T. 0.00 min
 Lab File: VN052515.D
 Acq: 28 Nov 2018 13:10

Instrument :
 MSVOA_N
 ClientSampleId :
 AOC2-01R

Tot Ion	Ratio	Lower	Upper
180	100		
182	101.6	47.8	143.3
145	0.0	15.2	45.5

