

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN080819\
 Data File : VN057127.D
 Acq On : 8 Aug 2019 13:09
 Operator : JC/SP
 Sample : K4092-04
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EO-01-080719-B

Quant Time: Aug 09 03:14:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080719W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 08 06:49:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	1488168	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.01	114	2115230	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.90	117	1772569	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.87	152	470818	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	697237	45.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.12%	
35) Dibromofluoromethane	6.99	113	634702	47.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.64%	
50) Toluene-d8	9.56	98	2451817	48.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.56%	
62) 4-Bromofluorobenzene	11.92	95	669012	40.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.78%	

Target Compounds					Qvalue	
8) Diethyl Ether	3.15	74	2447	0.298	ug/l	96
11) Tert butyl alcohol	4.23	59	2872	1.319	ug/l #	73
13) Acrolein	3.32	56	643	0.467	ug/l #	50
14) Allyl chloride	4.10	41	52937	2.877	ug/l #	25
16) Acetone	3.48	43	66866	14.467	ug/l	92
18) Methyl Acetate	3.90	43	17404	0.615	ug/l #	72
20) Methylene Chloride	4.10	84	1506699	98.773	ug/l	98
25) 2-Butanone	6.22	43	5218	0.739	ug/l #	81
30) Chloroform	6.75	83	32385	1.268	ug/l	95
31) Cyclohexane	7.05	56	21401	0.964	ug/l #	1
36) 1,1-Dichloropropene	7.05	75	91518	5.255	ug/l #	48
38) Carbon Tetrachloride	7.05	117	127475	7.023	ug/l #	16
43) Isopropyl Acetate	7.57	43	70438	2.875	ug/l #	84
45) 1,2-Dichloropropane	8.70	63	5343	0.374	ug/l #	43
47) Bromodichloromethane	8.85	83	7104	0.401	ug/l	97
48) Methyl methacrylate	8.62	41	24169	2.092	ug/l #	20
49) 1,4-Dioxane	8.70	88	854	3.630	ug/l #	1
51) 4-Methyl-2-Pentanone	9.45	43	11317	0.794	ug/l	98
54) cis-1,3-Dichloropropene	9.36	75	165912	7.815	ug/l #	61
57) 1,3-Dichloropropane	10.25	76	33938	1.529	ug/l #	42
59) 2-Hexanone	10.25	43	439999	45.595	ug/l #	48
73) Isopropylbenzene	11.77	105	1691	Below Cal	#	56
74) N-amyl acetate	11.39	43	37764	3.165	ug/l #	50
75) 1,1,2,2-Tetrachloroethane	11.91	83	73	Below Cal	#	1
76) 1,2,3-Trichloropropane	11.92	75	306367	32.289	ug/l #	100
79) 2-Chlorotoluene	12.19	91	1742	Below Cal		71
80) 1,3,5-Trimethylbenzene	12.26	105	10690	0.294	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.92	75	306367	95.677	ug/l #	14
83) tert-Butylbenzene	12.52	119	831	Below Cal		88
84) 1,2,4-Trimethylbenzene	12.57	105	12023	0.342	ug/l	98
90) Hexachloroethane	13.42	117	287	Below Cal	#	1
93) 1,2,4-Trichlorobenzene	14.45	180	1115	6.074	ug/l #	62
94) Hexachlorobutadiene	14.55	225	480	Below Cal		81
95) Naphthalene	14.67	128	3880	3.122	ug/l #	92

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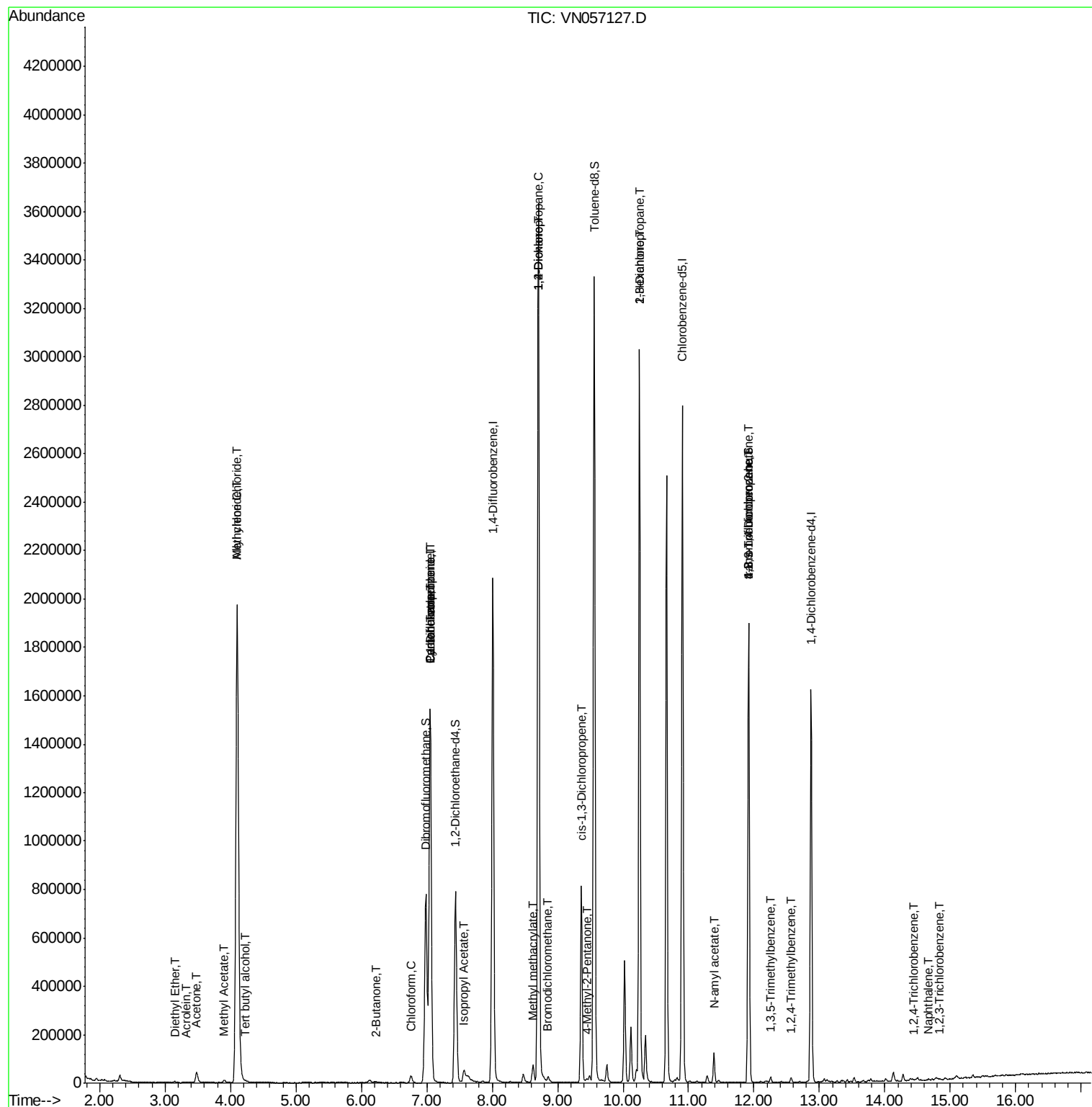
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	14.83	180	1274	5.881	ug/l #	83

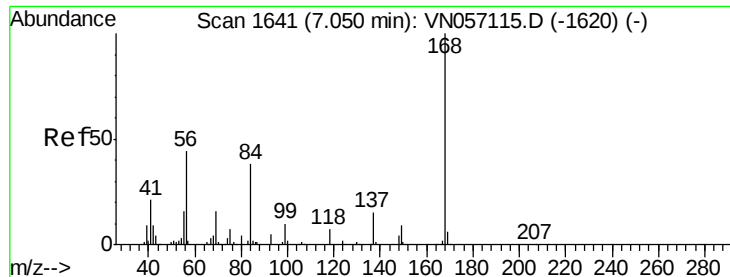
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 1642

Delta R.T. 0.00 min

Lab File: VN057127.D

Acq: 8 Aug 2019 13:09

Instrument :

MSVOA_N

ClientSampleId :

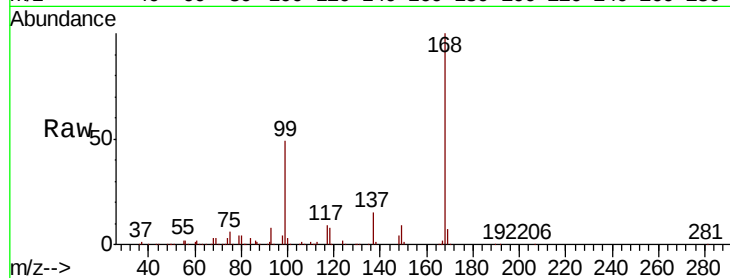
EO-01-080719-B

Tgt Ion:168 Resp: 1488168

Ion Ratio Lower Upper

168 100

99 48.9 38.6 57.8



Abundance Ion 167.90 (167.60 to 168.60): VN057127.D (-1548) (-)

Ion 98.90 (98.60 to 99.60): VN057127.D (-1548) (-)

7.05

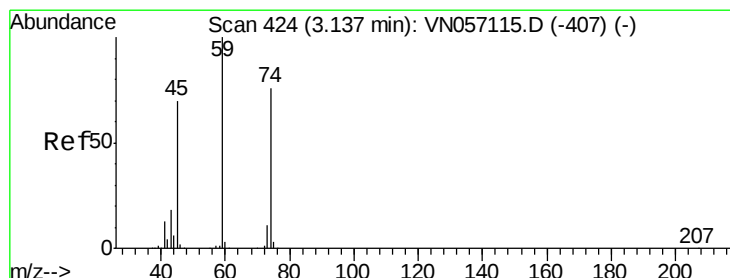
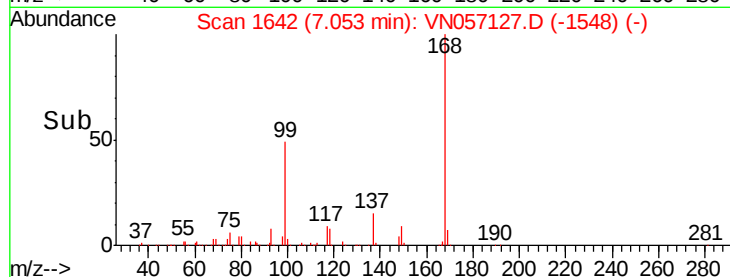
600000

400000

200000

0

Time-->



#8

Diethyl Ether

Concen: 0.298 ug/l

RT: 3.15 min Scan# 427

Delta R.T. 0.01 min

Lab File: VN057127.D

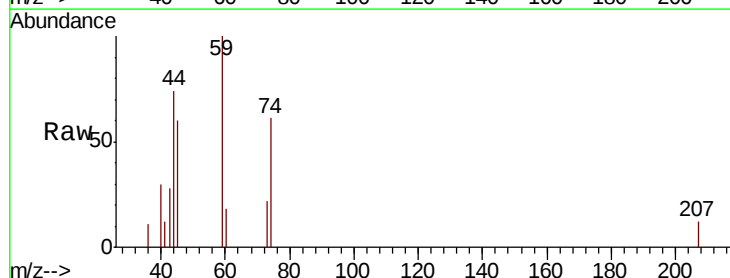
Acq: 8 Aug 2019 13:09

Tgt Ion: 74 Resp: 2447

Ion Ratio Lower Upper

74 100

45 88.4 46.3 138.8



Abundance Ion 74.00 (73.70 to 74.70): VN057127.D (-331) (-)

Ion 45.00 (44.70 to 45.70): VN057127.D (-331) (-)

3.15

1200

1000

800

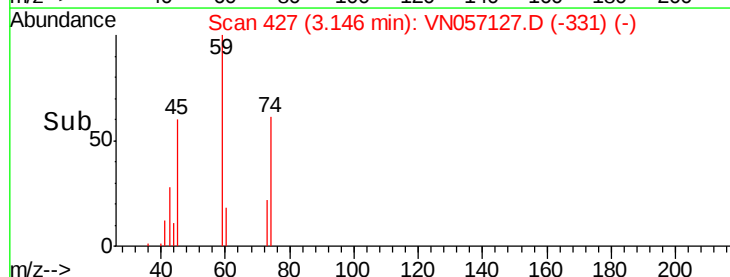
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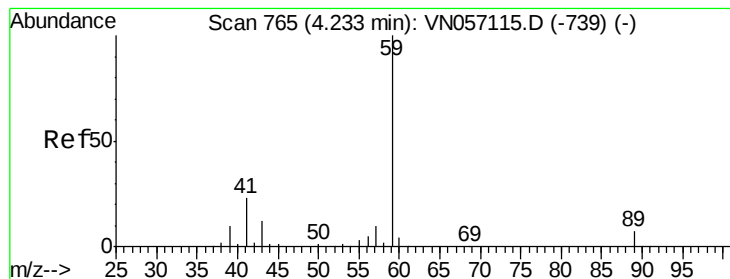
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200

0

Time-->



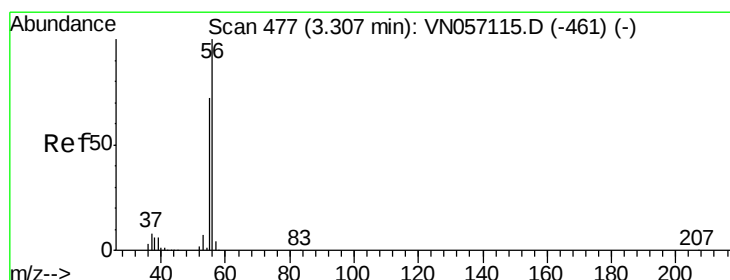
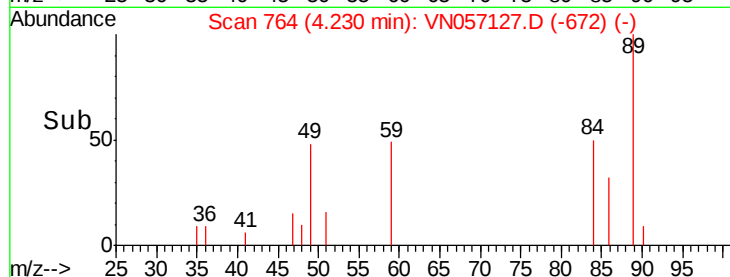
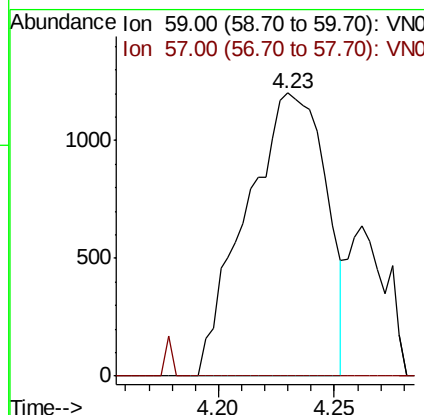
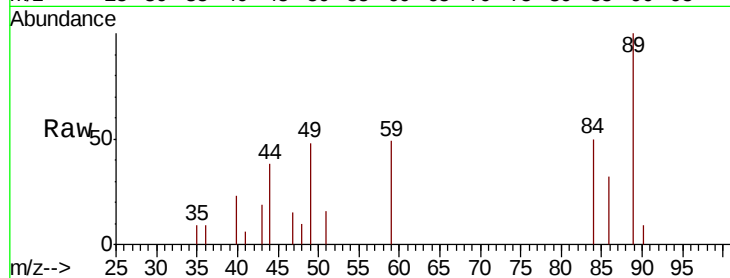


#11

Tert butyl alcohol
 Concen: 1.319 ug/l
 RT: 4.23 min Scan# 764
 Delta R.T. -0.00 min
 Lab File: VN057127.D
 Acq: 8 Aug 2019 13:09

Instrument :
 MSVOA_N
 ClientSampled :
 EO-01-080719-B

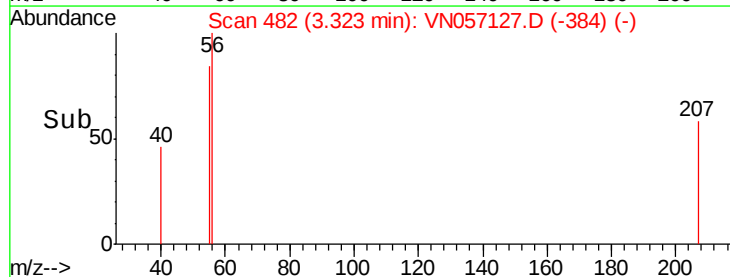
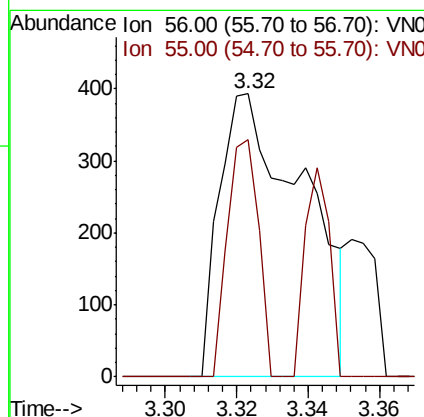
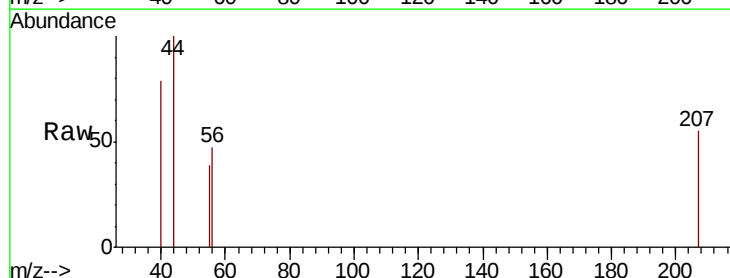
Tgt Ion: 59 Resp: 2872
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.9 11.9#

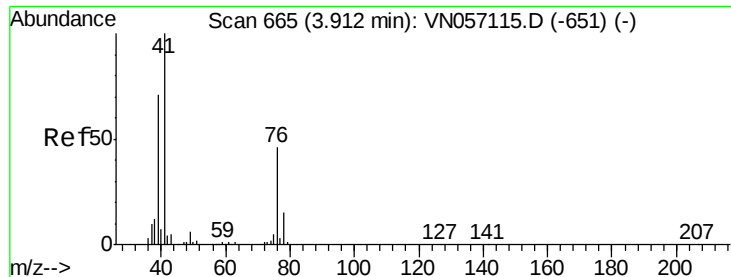


#13

Acrolein
 Concen: 0.467 ug/l
 RT: 3.32 min Scan# 482
 Delta R.T. 0.02 min
 Lab File: VN057127.D
 Acq: 8 Aug 2019 13:09

Tgt Ion: 56 Resp: 643
 Ion Ratio Lower Upper
 56 100
 55 30.8 57.7 86.5#

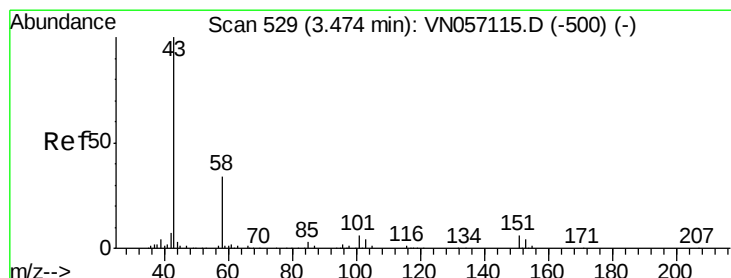
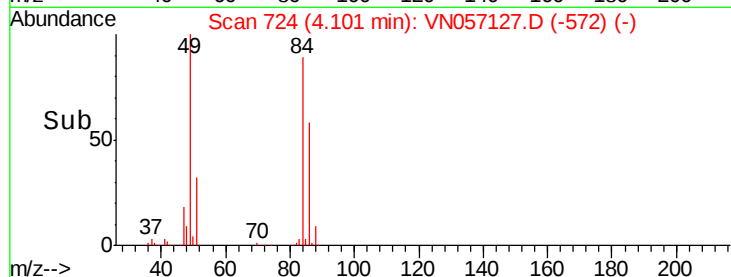
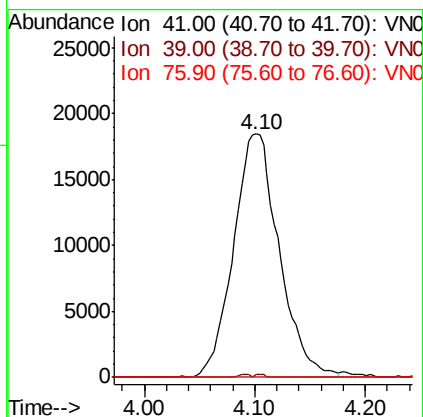
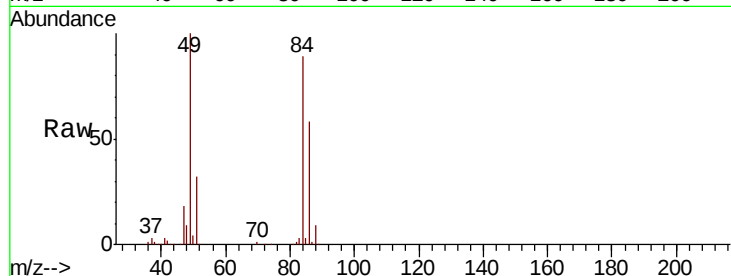




#14
 Allyl chloride
 Concen: 2.877 ug/l
 RT: 4.10 min Scan# 724
 Delta R.T. 0.19 min
 Lab File: VN057127.D
 Acq: 8 Aug 2019 13:09

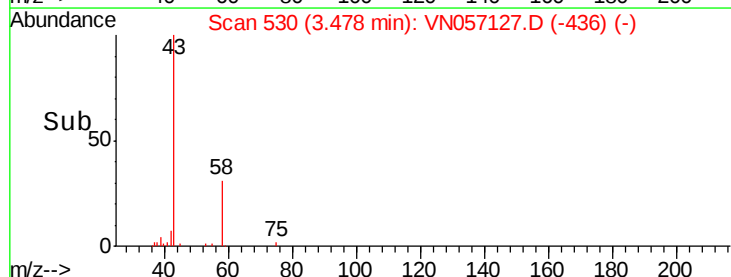
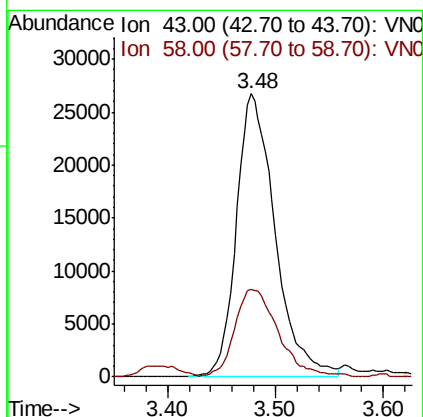
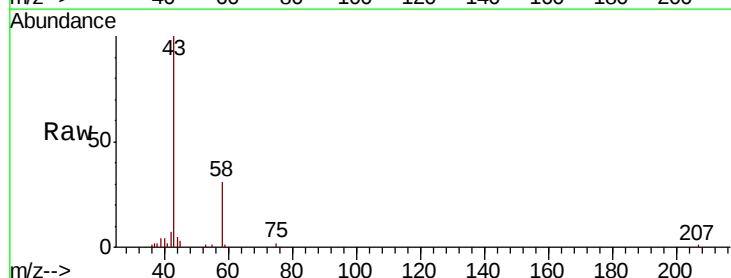
Instrument :
 MSVOA_N
 ClientSampleId :
 EO-01-080719-B

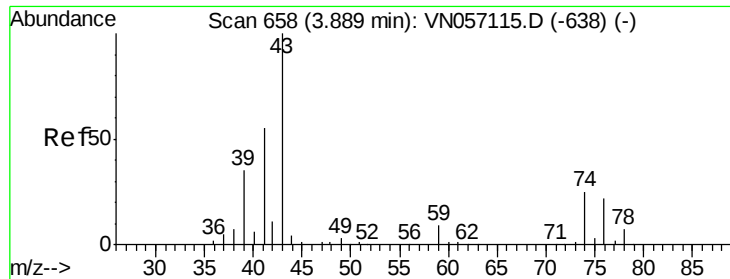
Tgt Ion: 41 Resp: 52937
 Ion Ratio Lower Upper
 41 100
 39 0.2 51.1 76.7#
 76 0.0 32.8 49.2#



#16
 Acetone
 Concen: 14.467 ug/l
 RT: 3.48 min Scan# 530
 Delta R.T. 0.00 min
 Lab File: VN057127.D
 Acq: 8 Aug 2019 13:09

Tgt Ion: 43 Resp: 66866
 Ion Ratio Lower Upper
 43 100
 58 29.8 27.4 41.2

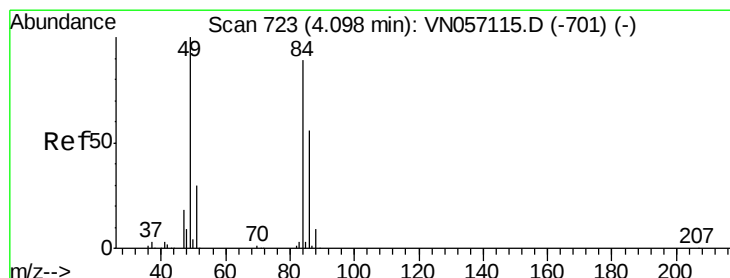
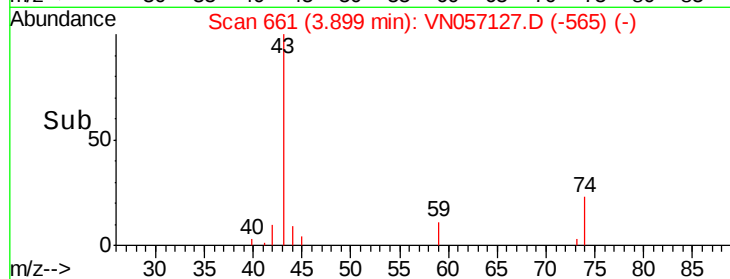
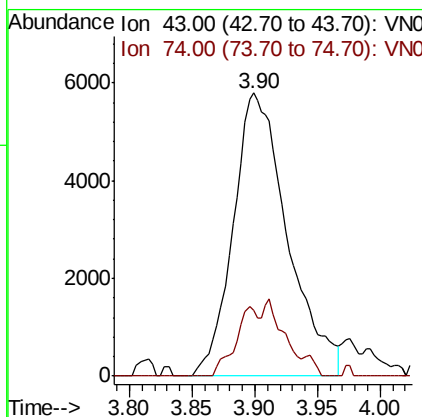
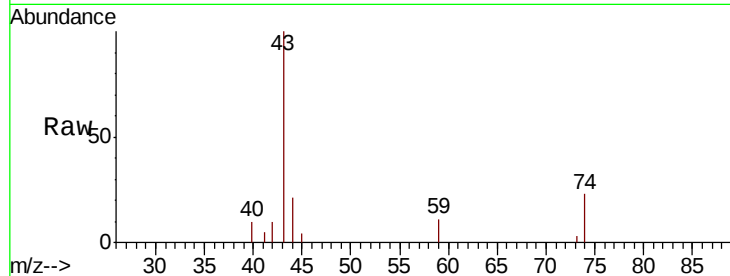




#18
Methyl Acetate
Concen: 0.615 ug/l
RT: 3.90 min Scan# 661
Delta R.T. 0.01 min
Lab File: VN057127.D
Acq: 8 Aug 2019 13:09

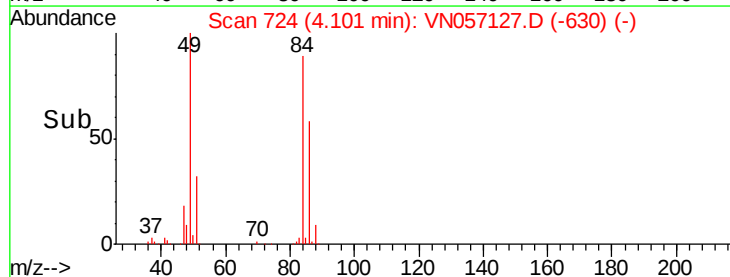
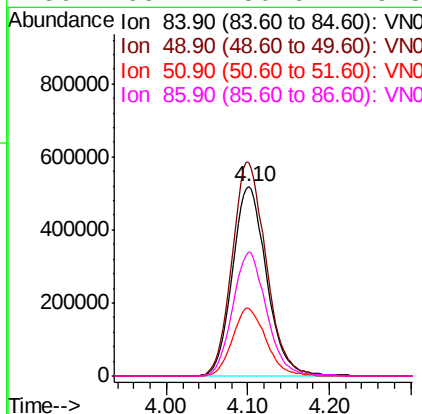
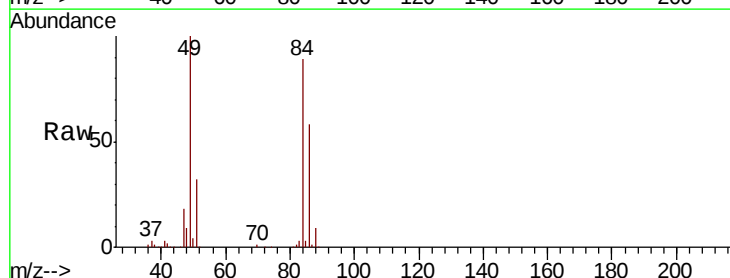
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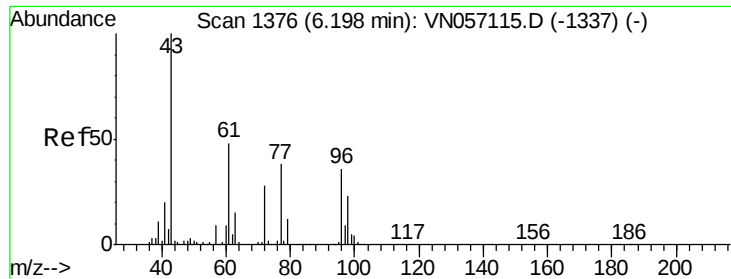
Tgt Ion: 43 Resp: 17404
Ion Ratio Lower Upper
43 100
74 11.2 20.2 30.4#



#20
Methylene Chloride
Concen: 98.773 ug/l
RT: 4.10 min Scan# 724
Delta R.T. 0.00 min
Lab File: VN057127.D
Acq: 8 Aug 2019 13:09

Tgt Ion: 84 Resp: 1506699
Ion Ratio Lower Upper
84 100
49 112.7 89.5 134.3
51 35.8 27.2 40.8
86 65.4 50.6 75.8

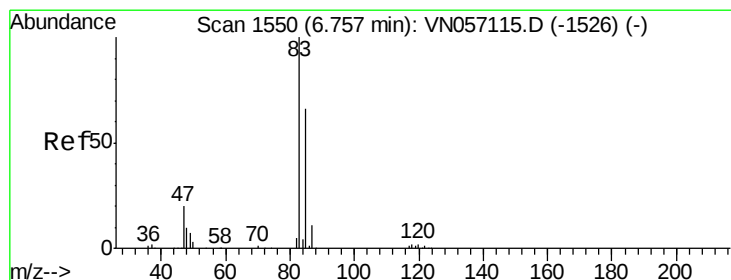
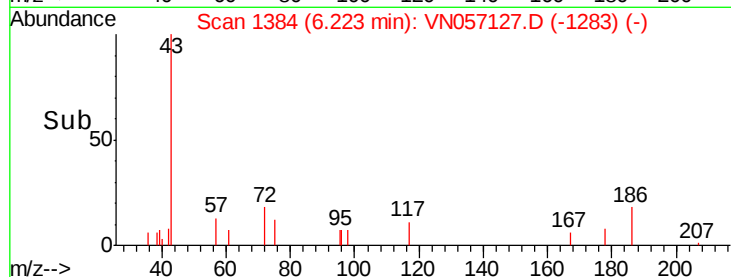
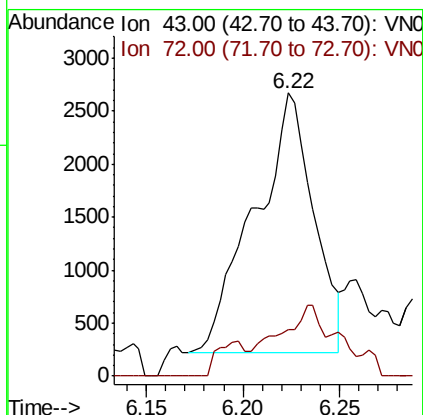
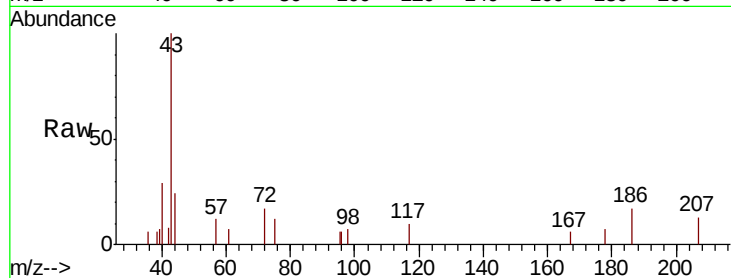




#25
2-Butanone
Concen: 0.739 ug/l
RT: 6.22 min Scan# 1384
Delta R.T. 0.03 min
Lab File: VN057127.D
Acq: 8 Aug 2019 13:09

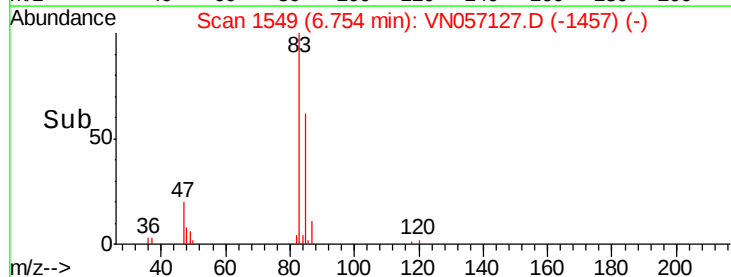
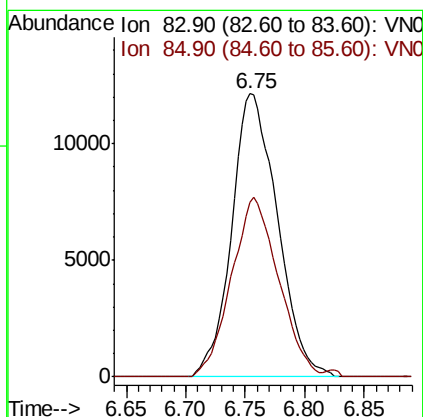
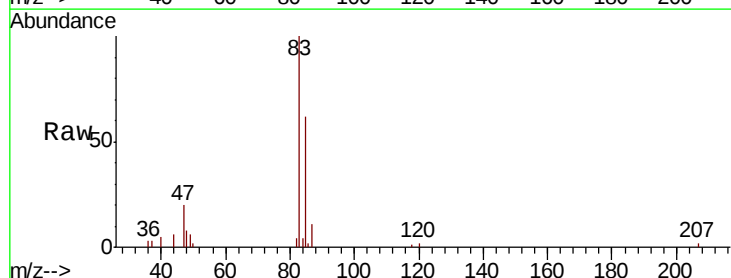
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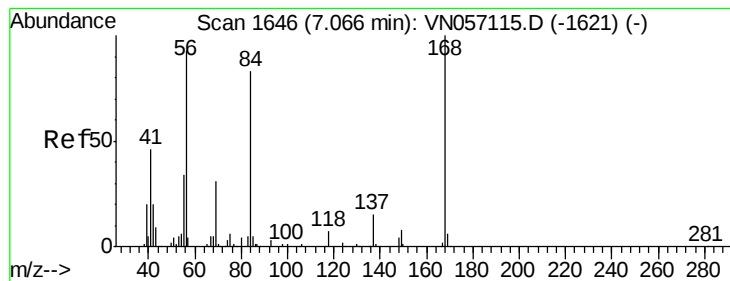
Tgt Ion: 43 Resp: 5218
Ion Ratio Lower Upper
43 100
72 18.0 22.2 33.4#



#30
Chloroform
Concen: 1.268 ug/l
RT: 6.75 min Scan# 1549
Delta R.T. -0.00 min
Lab File: VN057127.D
Acq: 8 Aug 2019 13:09

Tgt Ion: 83 Resp: 32385
Ion Ratio Lower Upper
83 100
85 61.8 52.6 78.8





#31

Cyclohexane

Concen: 0.964 ug/l

RT: 7.05 min Scan# 1642

Delta R.T. -0.01 min

Lab File: VN057127.D

Acq: 8 Aug 2019 13:09

Instrument :

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ClientSampleId :

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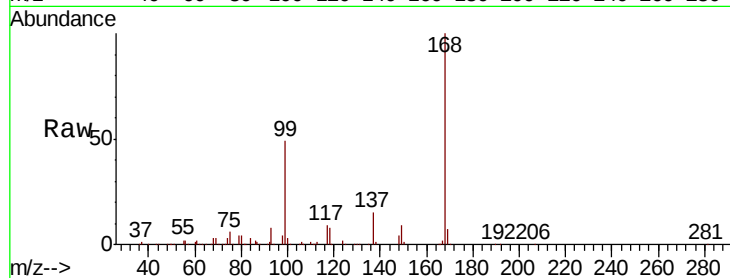
Tgt Ion: 56 Resp: 21401

Ion Ratio Lower Upper

56 100

69 178.3 26.9 40.3#

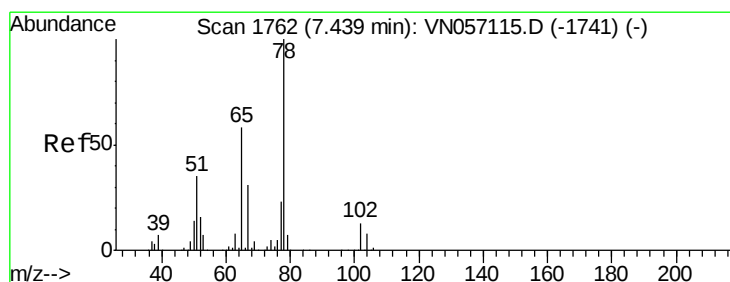
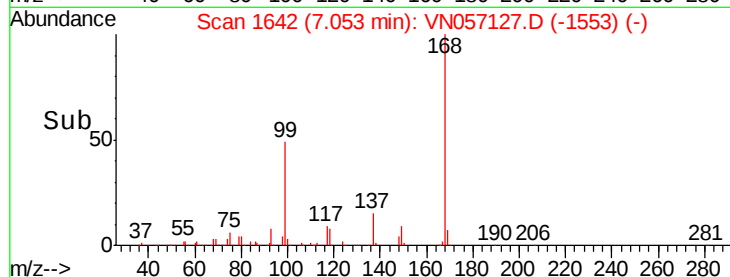
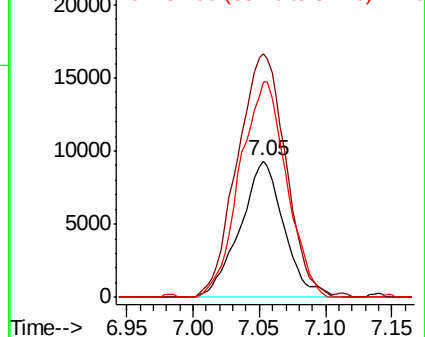
84 157.9 71.9 107.9#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 45.557 ug/l

RT: 7.44 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VN057127.D

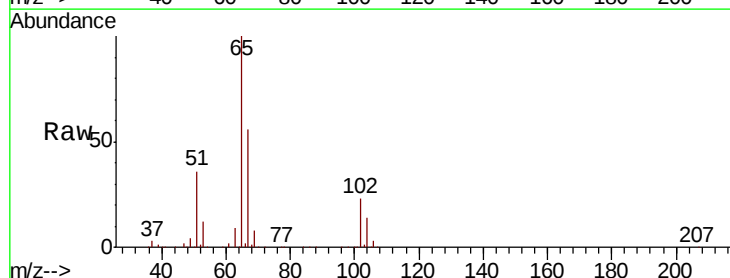
Acq: 8 Aug 2019 13:09

Tgt Ion: 65 Resp: 697237

Ion Ratio Lower Upper

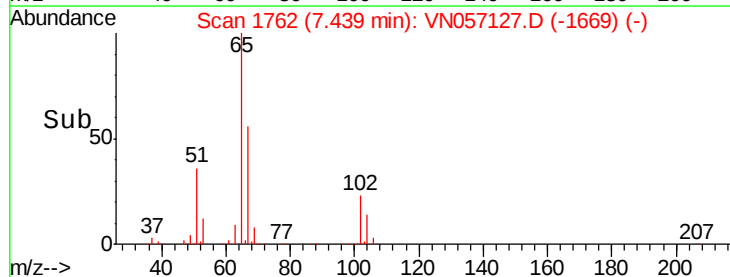
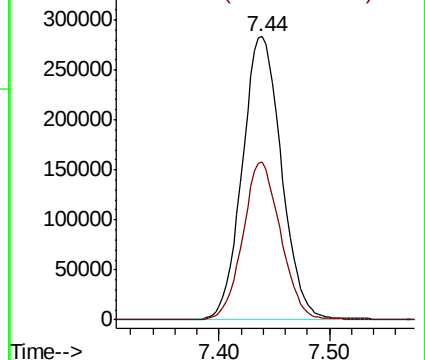
65 100

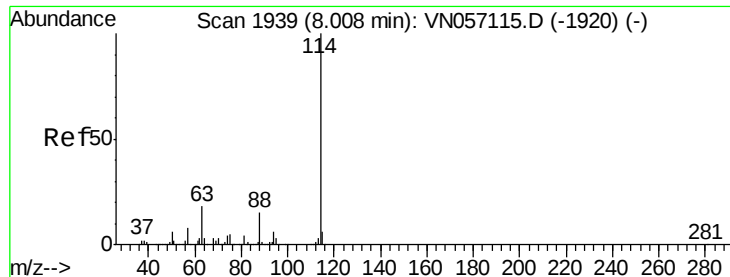
67 54.0 0.0 108.2



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

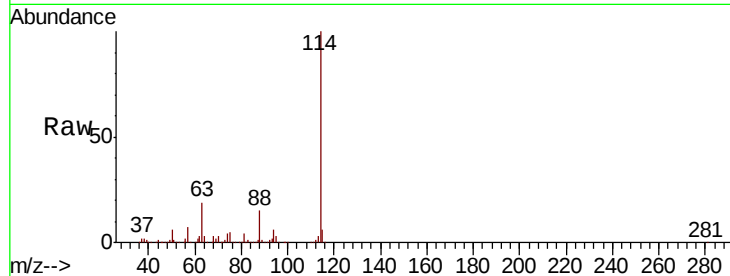




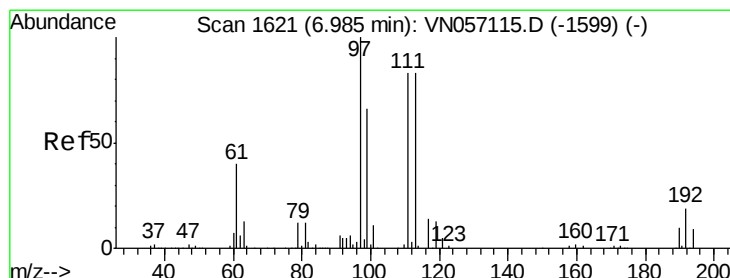
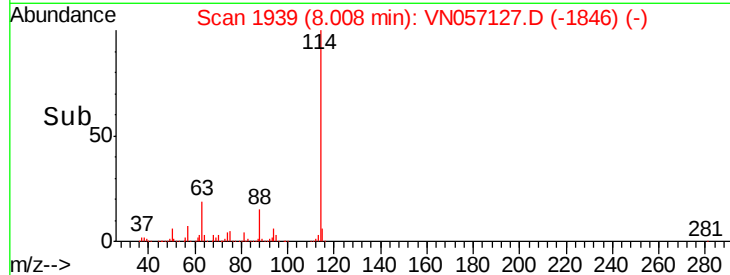
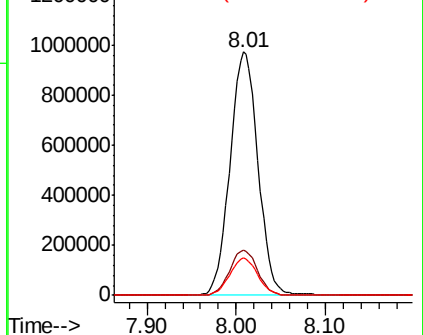
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. -0.00 min
 Lab File: VN057127.D
 Acq: 8 Aug 2019 13:09

Instrument :
 MSVOA_N
 ClientSampleId :
 EO-01-080719-B

Tgt Ion:114 Resp: 2115230
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 36.2
 88 15.3 0.0 30.0

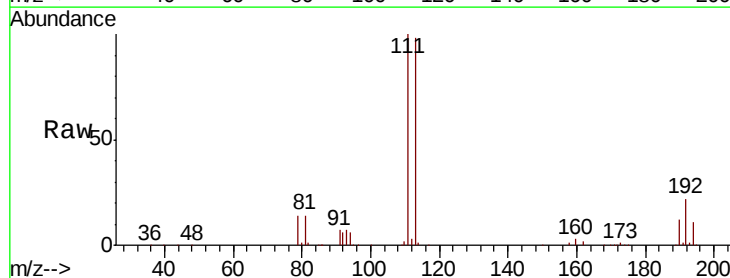


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

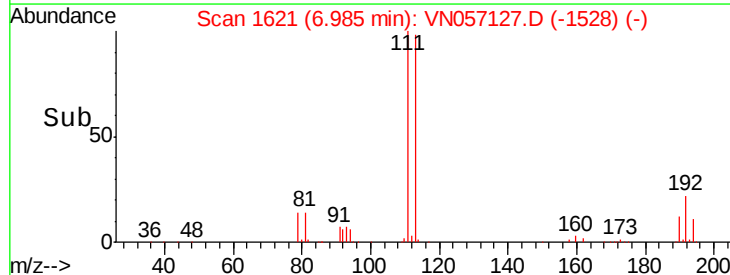
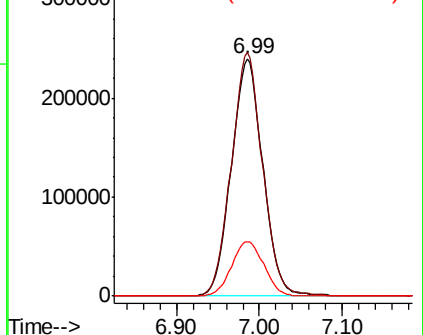


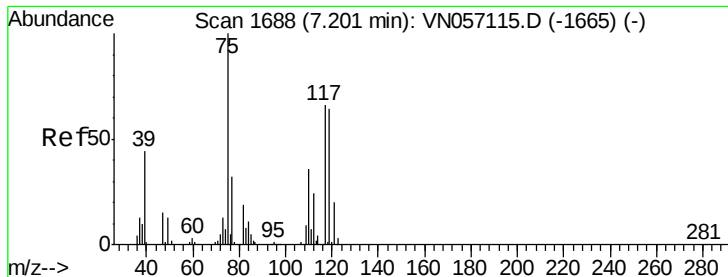
#35
 Dibromofluoromethane
 Concen: 47.818 ug/l
 RT: 6.99 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VN057127.D
 Acq: 8 Aug 2019 13:09

Tgt Ion:113 Resp: 634702
 Ion Ratio Lower Upper
 113 100
 111 101.5 81.3 121.9
 192 23.5 19.0 28.4



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: 5.255 ug/l

RT: 7.05 min Scan# 1642

Delta R.T. -0.15 min

Lab File: VN057127.D

Acq: 8 Aug 2019 13:09

Instrument :

MSVOA_N

ClientSampleId :

EO-01-080719-B

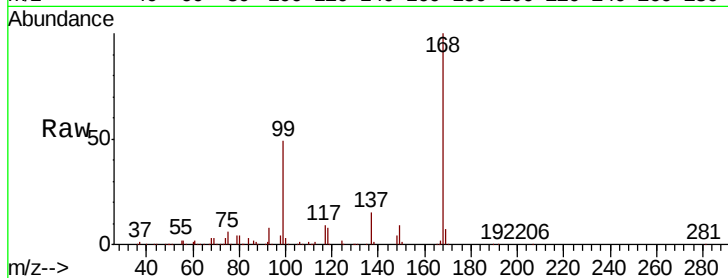
Tgt Ion: 75 Resp: 91518

Ion Ratio Lower Upper

75 100

110 8.7 18.7 56.1#

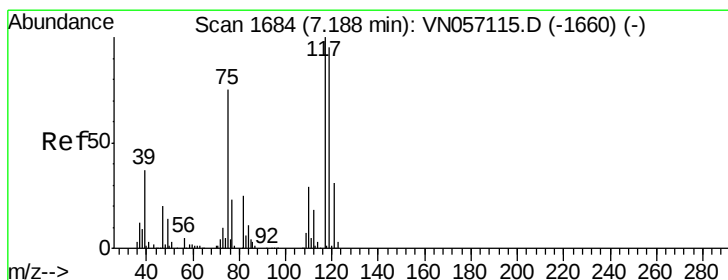
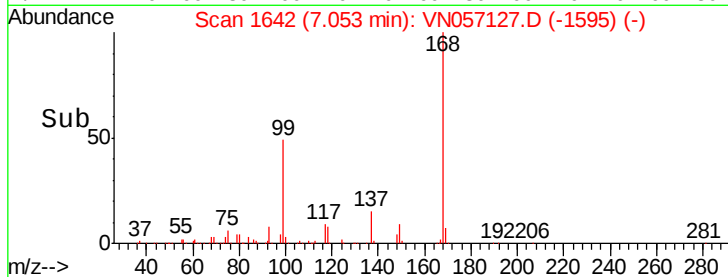
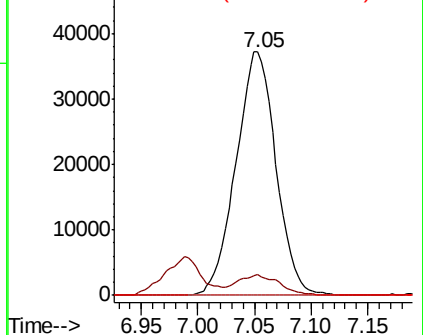
77 0.0 25.0 37.4#



Abundance Ion 74.90 (74.60 to 75.60): VN057127.D (-1595) (-)

Ion 109.90 (109.60 to 110.60): VN057127.D (-1595) (-)

Ion 76.90 (76.60 to 77.60): VN057127.D (-1595) (-)



#38

Carbon Tetrachloride

Concen: 7.023 ug/l

RT: 7.05 min Scan# 1641

Delta R.T. -0.14 min

Lab File: VN057127.D

Acq: 8 Aug 2019 13:09

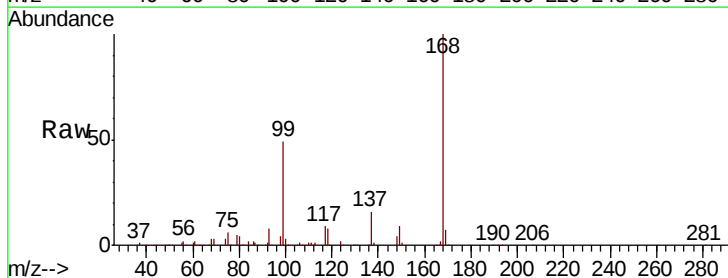
Tgt Ion: 117 Resp: 127475

Ion Ratio Lower Upper

117 100

119 4.8 75.8 113.6#

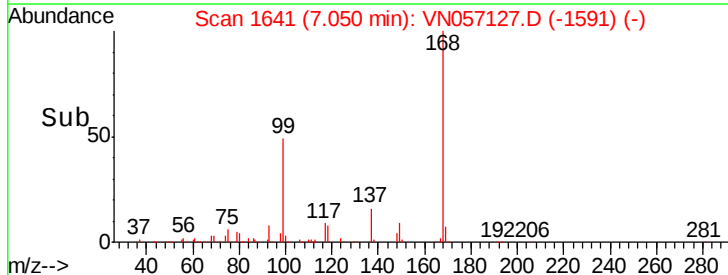
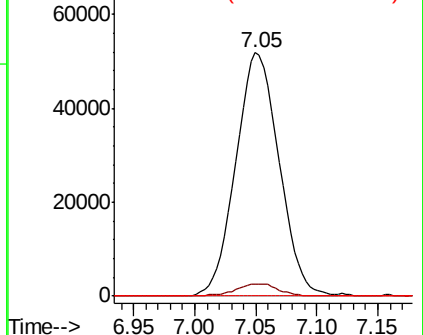
121 0.0 24.4 36.6#

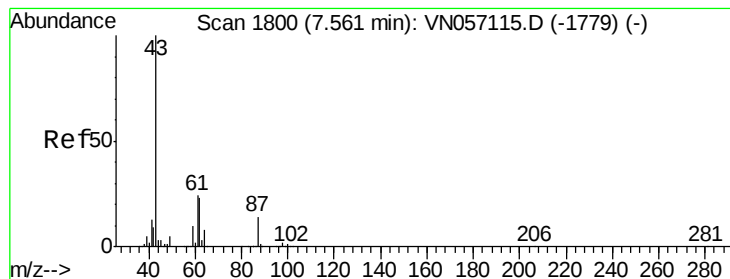


Abundance Ion 116.80 (116.50 to 117.50): VN057127.D (-1591) (-)

Ion 118.80 (118.50 to 119.50): VN057127.D (-1591) (-)

Ion 120.80 (120.50 to 121.50): VN057127.D (-1591) (-)





#43

Isopropyl Acetate

Concen: 2.875 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.01 min

Lab File: VN057127.D

Acq: 8 Aug 2019 13:09

Instrument :

MSVOA_N

ClientSampled :

EO-01-080719-B

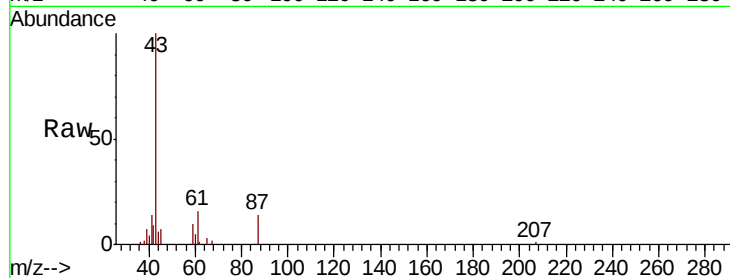
Tgt Ion: 43 Resp: 70438

Ion Ratio Lower Upper

43 100

61 18.7 24.2 36.2#

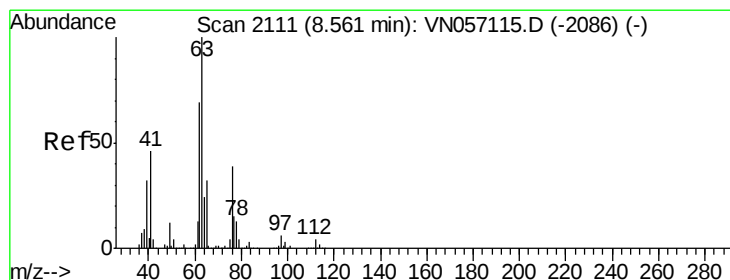
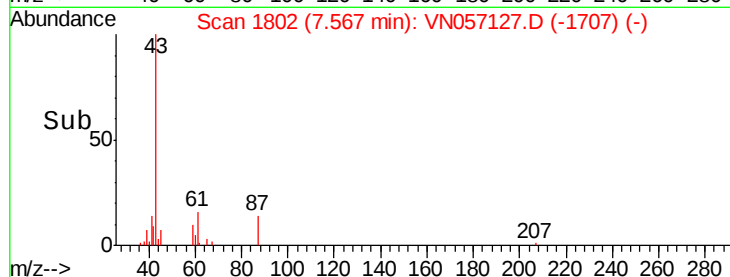
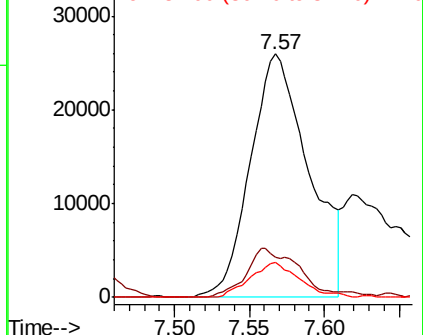
87 12.2 11.8 17.8



Abundance Ion 43.00 (42.70 to 43.70): VN057127.D (-1707) (-)

Ion 61.00 (60.70 to 61.70): VN057127.D (-1707) (-)

Ion 87.00 (86.70 to 87.70): VN057127.D (-1707) (-)



#45

1,2-Dichloropropane

Concen: 0.374 ug/l

RT: 8.70 min Scan# 2155

Delta R.T. 0.14 min

Lab File: VN057127.D

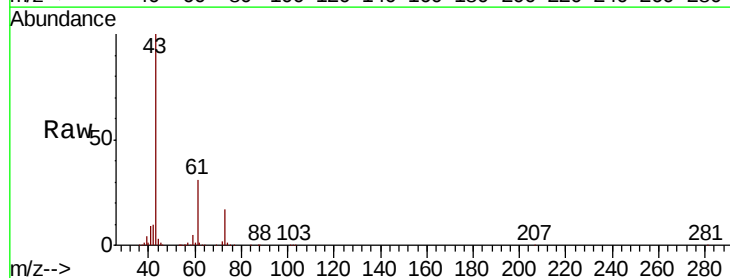
Acq: 8 Aug 2019 13:09

Tgt Ion: 63 Resp: 5343

Ion Ratio Lower Upper

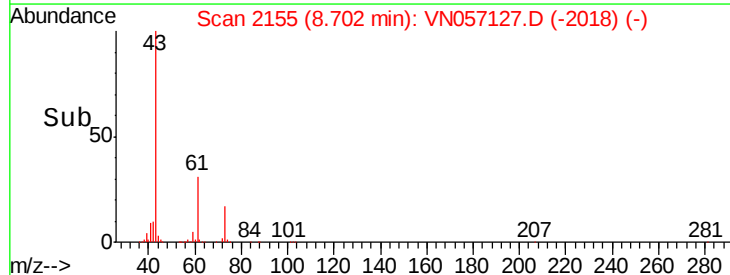
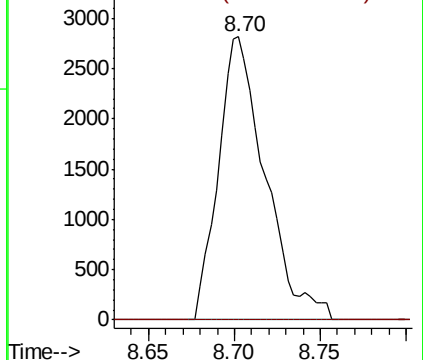
63 100

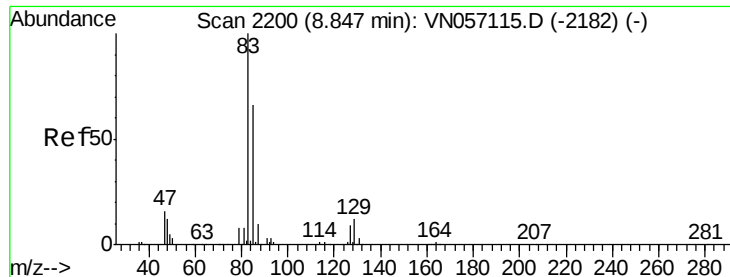
65 0.0 25.2 37.8#



Abundance Ion 62.90 (62.60 to 63.60): VN057127.D (-2018) (-)

Ion 64.90 (64.60 to 65.60): VN057127.D (-2018) (-)





#47

Bromodichloromethane

Concen: 0.401 ug/l

RT: 8.85 min Scan# 2201

Delta R.T. 0.00 min

Lab File: VN057127.D

Acq: 8 Aug 2019 13:09

Instrument :

MSVOA_N

ClientSampleId :

EO-01-080719-B

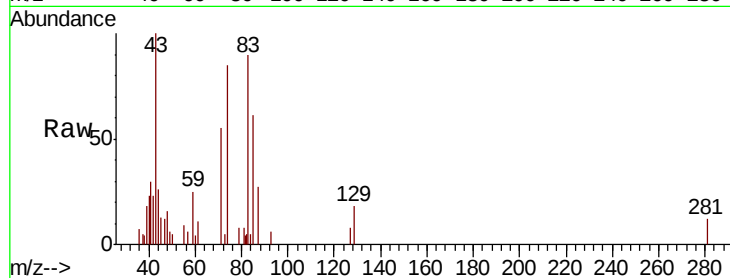
Tgt Ion: 83 Resp: 7104

Ion Ratio Lower Upper

83 100

85 68.3 52.6 78.8

127 9.2 7.5 11.3

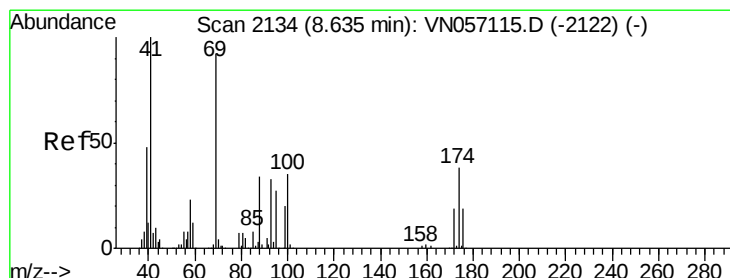
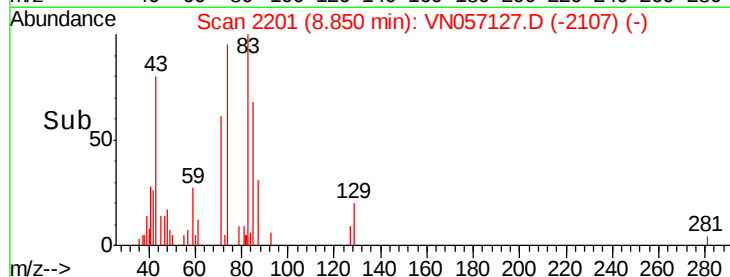


Abundance Ion 82.90 (82.60 to 83.60): VN057127.D (-2107) (-)

Ion 84.90 (84.60 to 85.60): VN057127.D (-2107) (-)

Ion 126.80 (126.50 to 127.50): VN057127.D (-2107) (-)

Time-->



#48

Methyl methacrylate

Concen: 2.092 ug/l

RT: 8.62 min Scan# 2129

Delta R.T. -0.02 min

Lab File: VN057127.D

Acq: 8 Aug 2019 13:09

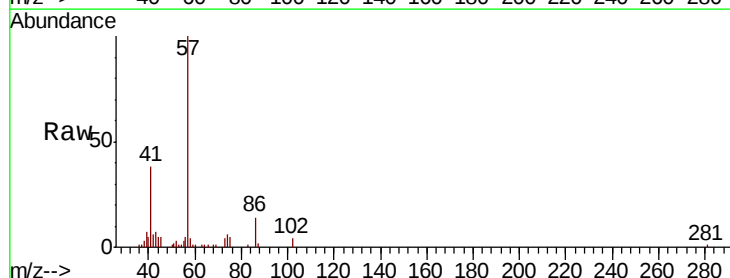
Tgt Ion: 41 Resp: 24169

Ion Ratio Lower Upper

41 100

69 0.5 77.5 116.3#

39 19.8 39.8 59.6#

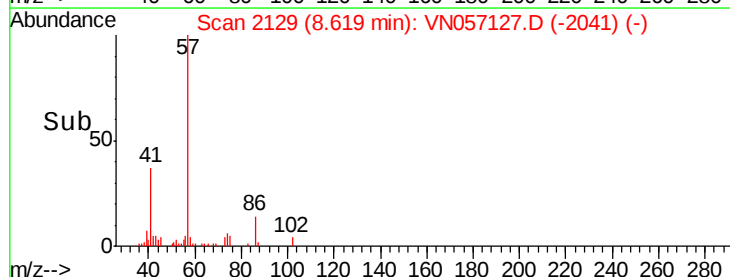


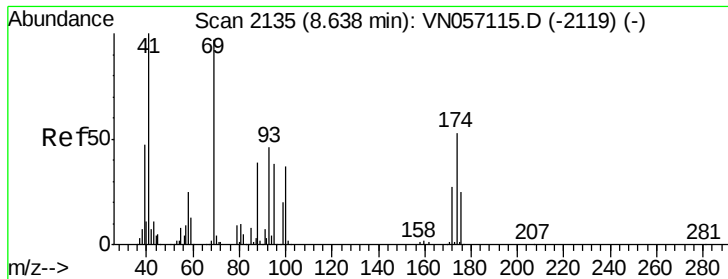
Abundance Ion 41.00 (40.70 to 41.70): VN057127.D (-2041) (-)

Ion 69.00 (68.70 to 69.70): VN057127.D (-2041) (-)

Ion 39.00 (38.70 to 39.70): VN057127.D (-2041) (-)

Time-->

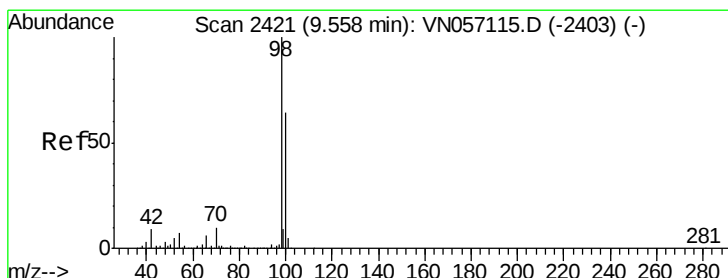
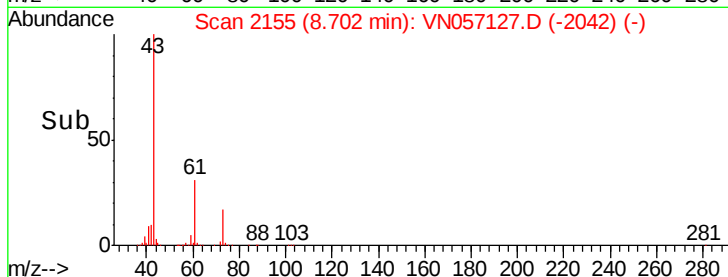
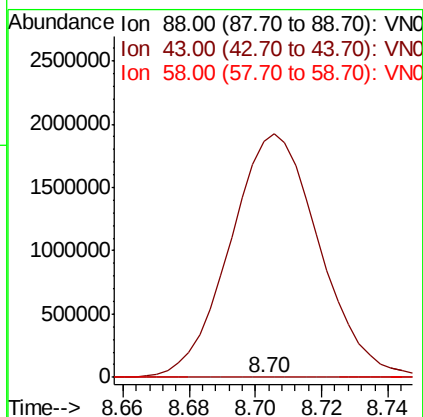
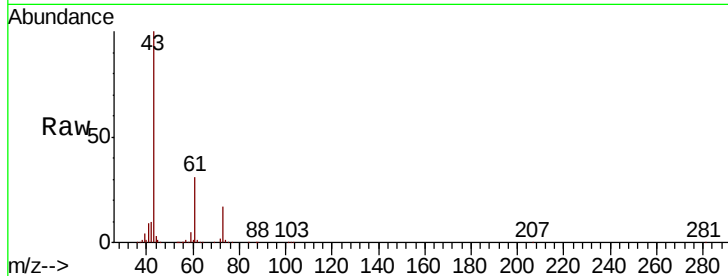




#49
 1,4-Dioxane
 Concen: 3.630 ug/l
 RT: 8.70 min Scan# 2155
 Delta R.T. 0.06 min
 Lab File: VN057127.D
 Acq: 8 Aug 2019 13:09

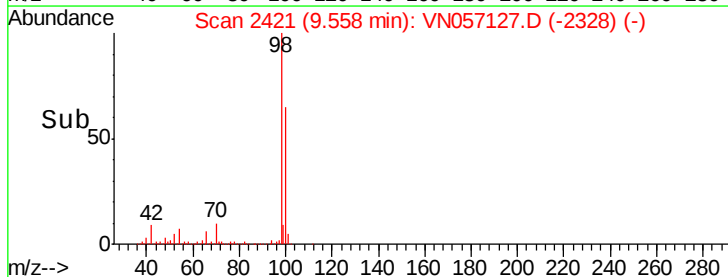
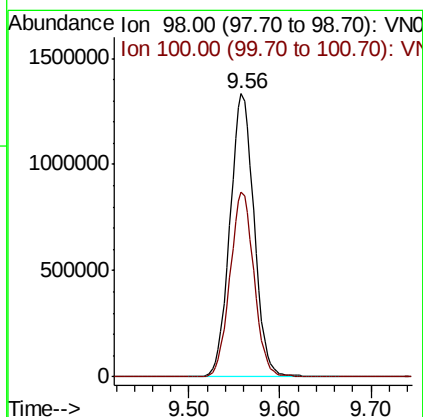
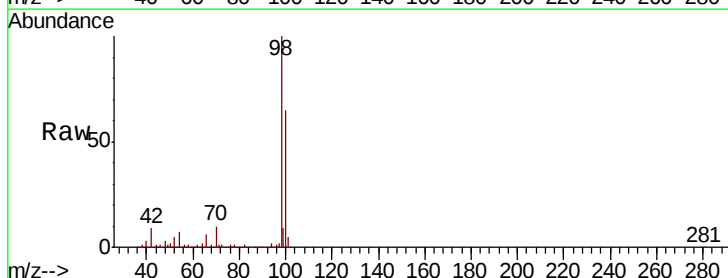
Instrument :
 MSVOA_N
 ClientSampleId :
 EO-01-080719-B

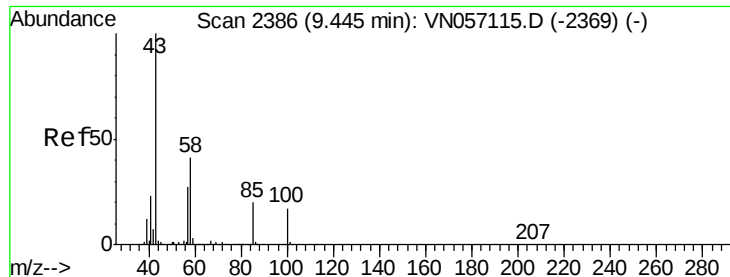
Tgt Ion: 88 Resp: 854
 Ion Ratio Lower Upper
 88 100
 43 428376.8 21.7 32.5#
 58 1838.9 51.1 76.7#



#50
 Toluene-d8
 Concen: 48.282 ug/l
 RT: 9.56 min Scan# 2421
 Delta R.T. -0.00 min
 Lab File: VN057127.D
 Acq: 8 Aug 2019 13:09

Tgt Ion: 98 Resp: 2451817
 Ion Ratio Lower Upper
 98 100
 100 65.0 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 0.794 ug/l

RT: 9.45 min Scan# 2387

Delta R.T. 0.00 min

Lab File: VN057127.D

Acq: 8 Aug 2019 13:09

Instrument :

MSVOA_N

ClientSampleId :

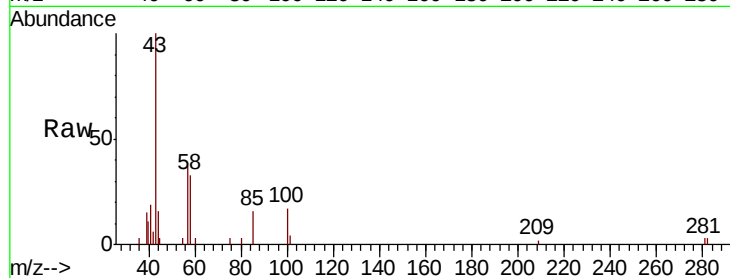
EO-01-080719-B

Tgt Ion: 43 Resp: 11317

Ion Ratio Lower Upper

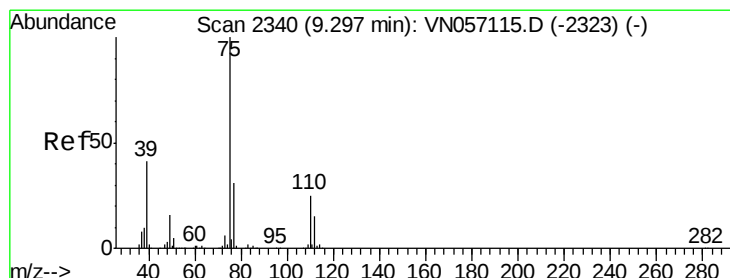
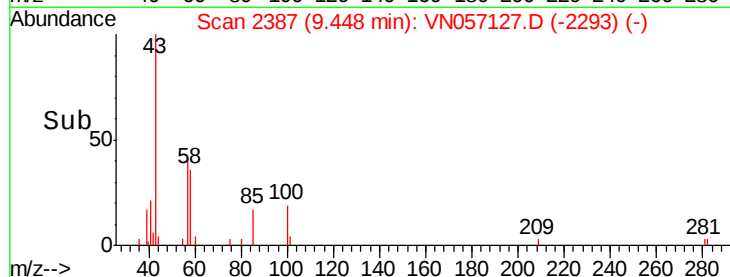
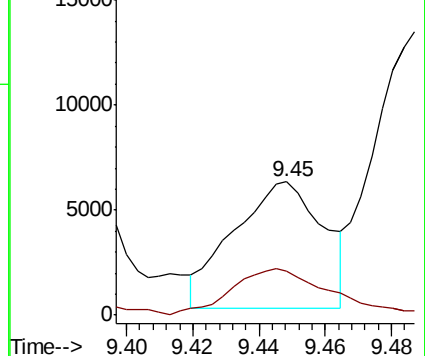
43 100

58 40.2 33.2 49.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#54

cis-1,3-Dichloropropene

Concen: 7.815 ug/l

RT: 9.36 min Scan# 2360

Delta R.T. 0.06 min

Lab File: VN057127.D

Acq: 8 Aug 2019 13:09

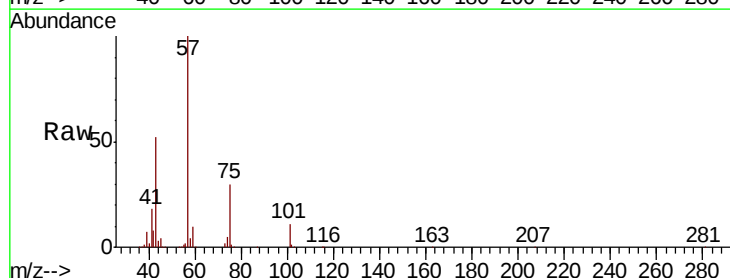
Tgt Ion: 75 Resp: 165912

Ion Ratio Lower Upper

75 100

77 0.7 25.1 37.7#

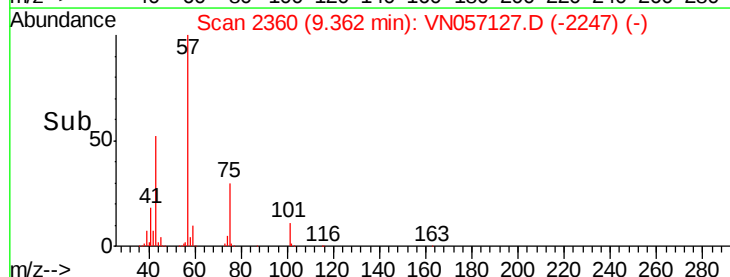
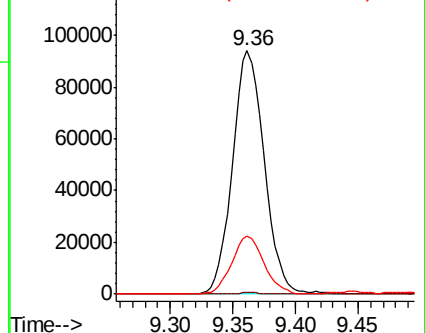
39 23.9 32.5 48.7#

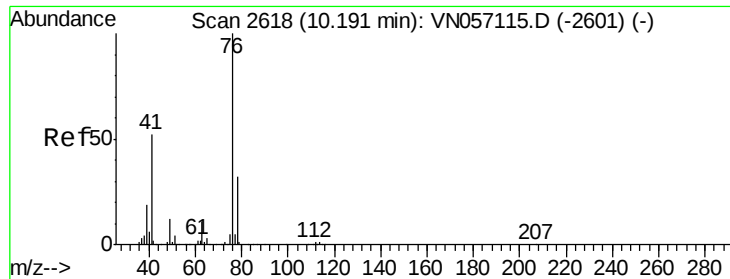


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

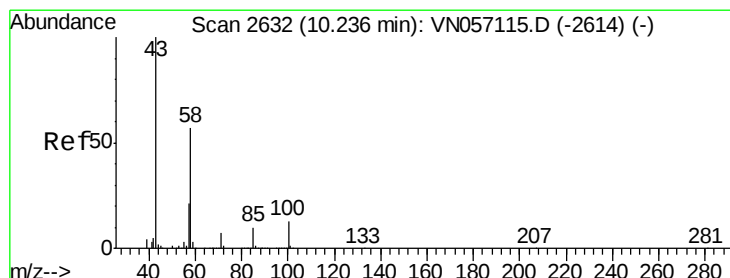
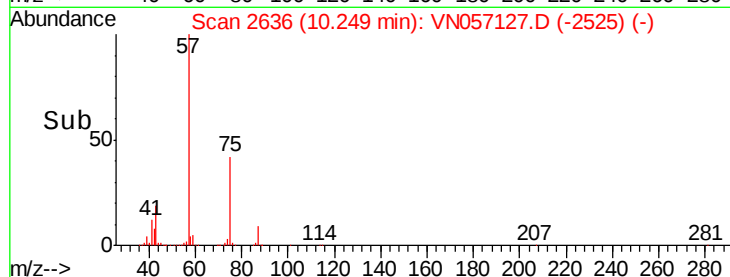
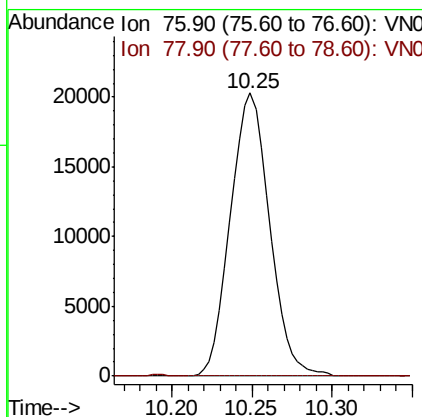
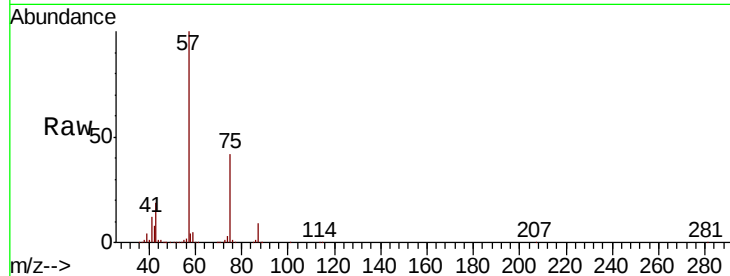




#57
 1,3-Dichloropropane
 Concen: 1.529 ug/l
 RT: 10.25 min Scan# 2636
 Delta R.T. 0.06 min
 Lab File: VN057127.D
 Acq: 8 Aug 2019 13:09

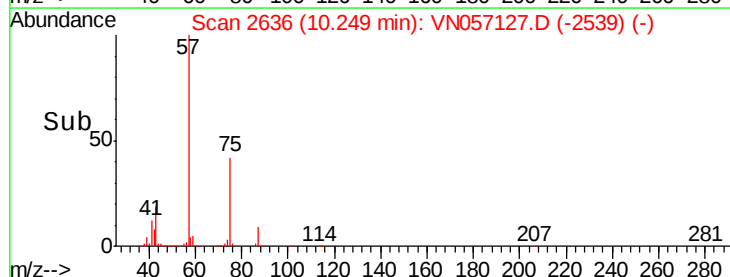
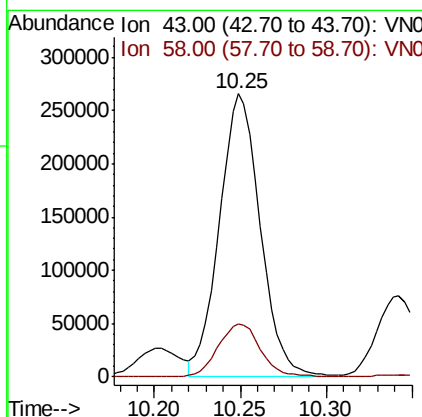
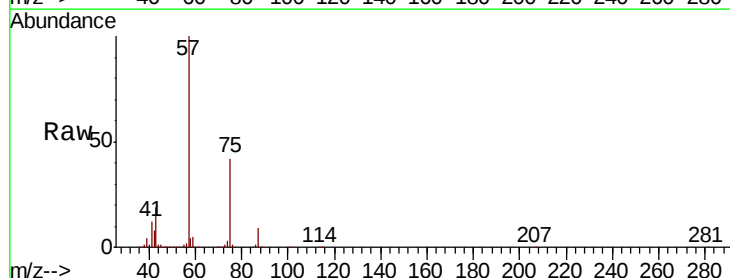
Instrument :
 MSVOA_N
 ClientSampleId :
 EO-01-080719-B

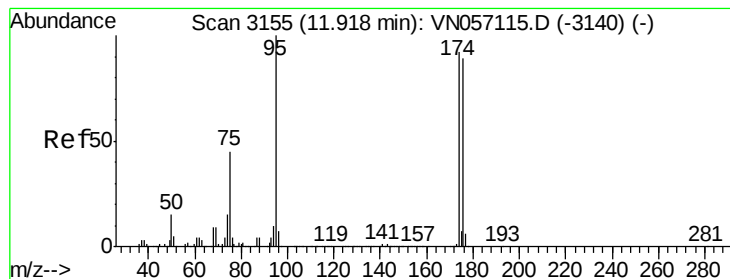
Tgt Ion: 76 Resp: 33938
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.9 38.9#



#59
 2-Hexanone
 Concen: 45.595 ug/l
 RT: 10.25 min Scan# 2636
 Delta R.T. 0.01 min
 Lab File: VN057127.D
 Acq: 8 Aug 2019 13:09

Tgt Ion: 43 Resp: 439999
 Ion Ratio Lower Upper
 43 100
 58 19.6 29.2 87.6#





#62

4-Bromofluorobenzene

Concen: 40.887 ug/l

RT: 11.92 min Scan# 3155

Delta R.T. -0.00 min

Lab File: VN057127.D

Acq: 8 Aug 2019 13:09

Instrument :

MSVOA_N

ClientSampleId :

EO-01-080719-B

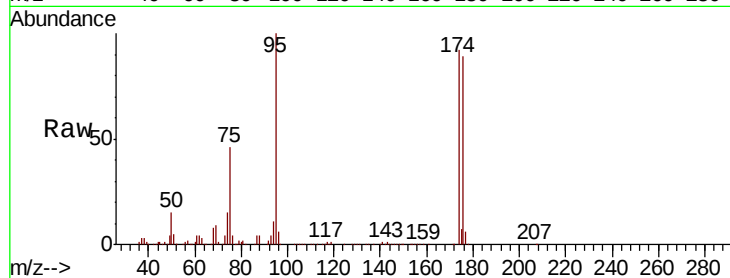
Tgt Ion: 95 Resp: 669012

Ion Ratio Lower Upper

95 100

174 93.1 0.0 185.0

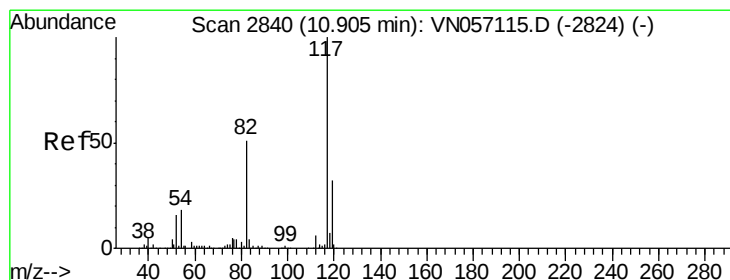
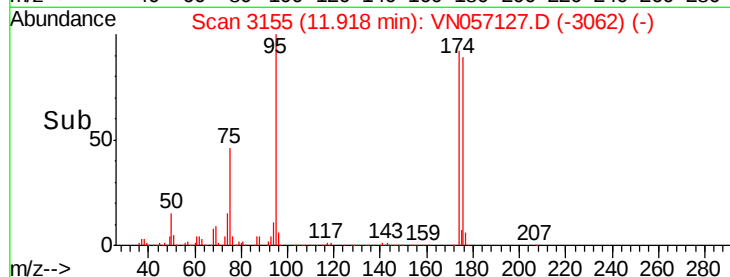
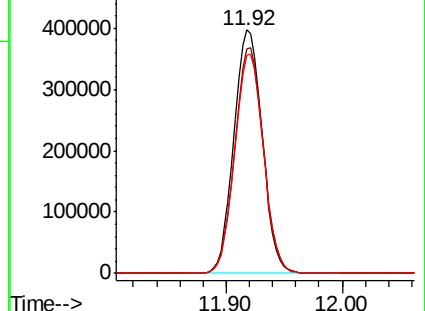
176 91.0 0.0 181.2



Abundance Ion 94.90 (94.60 to 95.60): VN057115.D (-3140) (-)

Ion 173.80 (173.50 to 174.50): VN057115.D (-3140) (-)

Ion 175.80 (175.50 to 176.50): VN057115.D (-3140) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.90 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VN057127.D

Acq: 8 Aug 2019 13:09

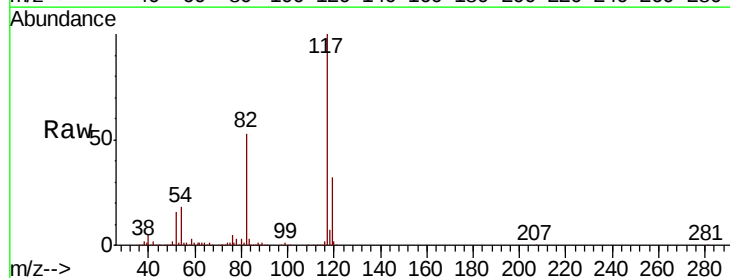
Tgt Ion: 117 Resp: 1772569

Ion Ratio Lower Upper

117 100

82 52.5 40.8 61.2

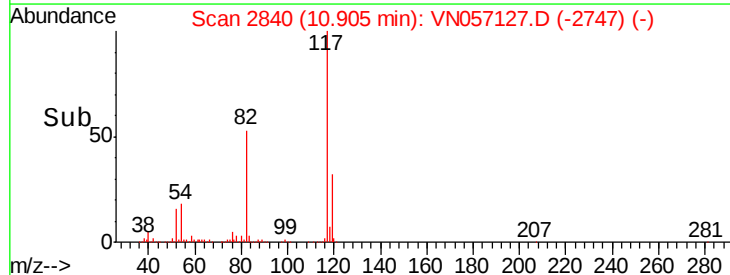
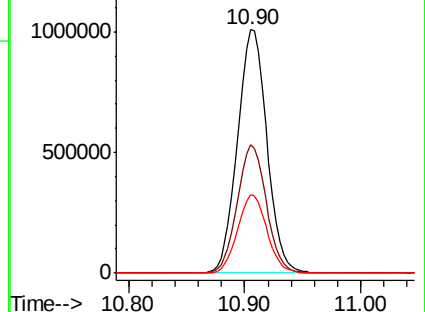
119 32.1 25.7 38.5

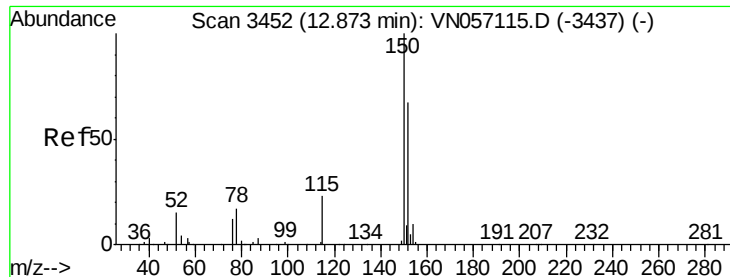


Abundance Ion 116.90 (116.60 to 117.60): VN057115.D (-2824) (-)

Ion 82.00 (81.70 to 82.70): VN057115.D (-2824) (-)

Ion 118.90 (118.60 to 119.60): VN057115.D (-2824) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.87 min Scan# 3452

Delta R.T. -0.00 min

Lab File: VN057127.D

Acq: 8 Aug 2019 13:09

Instrument :

MSVOA_N

ClientSampleId :

EO-01-080719-B

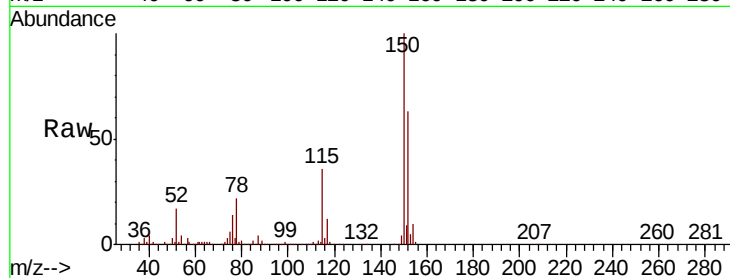
Tgt Ion:152 Resp: 470818

Ion Ratio Lower Upper

152 100

115 56.9 27.5 82.5

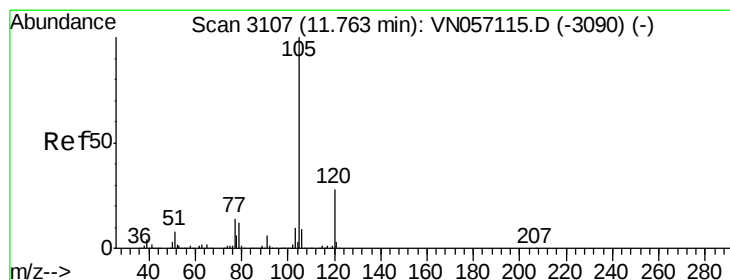
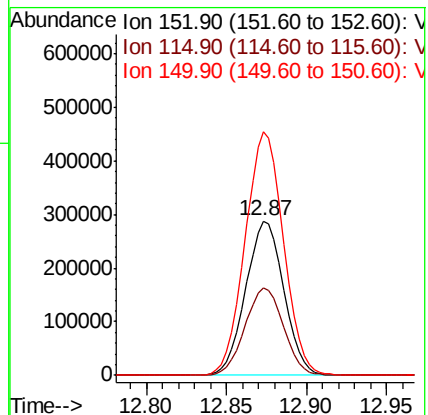
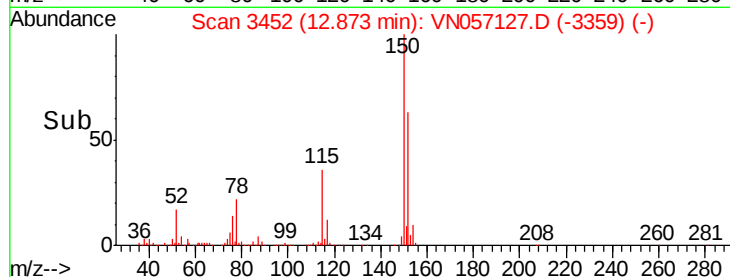
150 158.3 0.0 341.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: Below Cal

RT: 11.77 min Scan# 3108

Delta R.T. 0.00 min

Lab File: VN057127.D

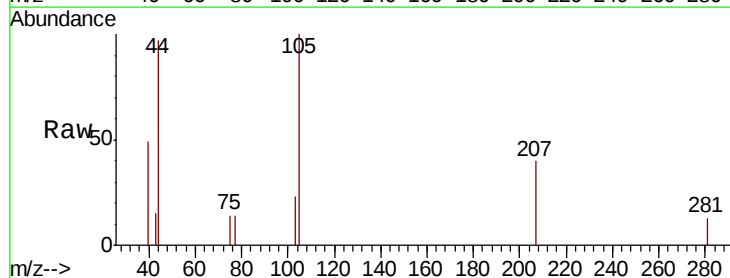
Acq: 8 Aug 2019 13:09

Tgt Ion:105 Resp: 1691

Ion Ratio Lower Upper

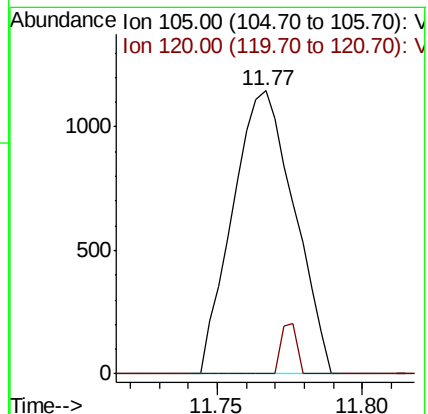
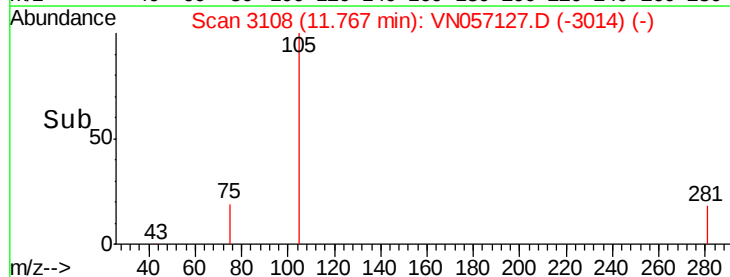
105 100

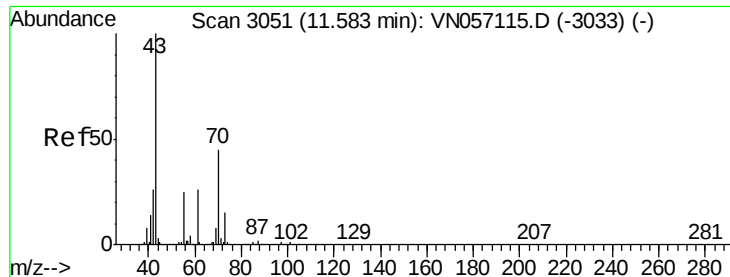
120 4.6 13.7 41.0#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-ethyl acetate

Concen: 3.165 ug/l

RT: 11.39 min Scan# 2991

Delta R.T. -0.19 min

Lab File: VN057127.D

Acq: 8 Aug 2019 13:09

Instrument :

MSVOA_N

ClientSampled :

EO-01-080719-B

Tgt Ion: 43 Resp: 37764

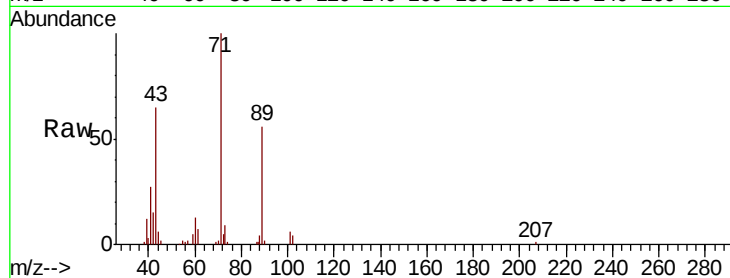
Ion Ratio Lower Upper

43 100

70 2.7 36.8 55.2#

55 3.9 20.6 31.0#

61 10.6 21.0 31.4#

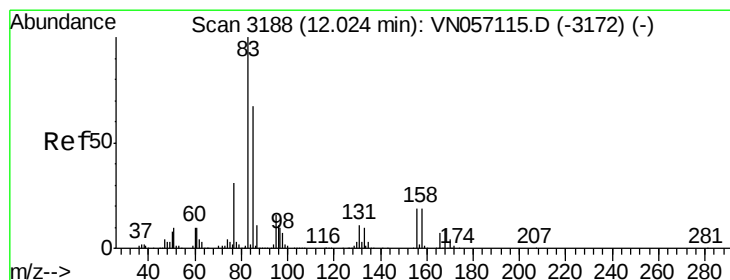
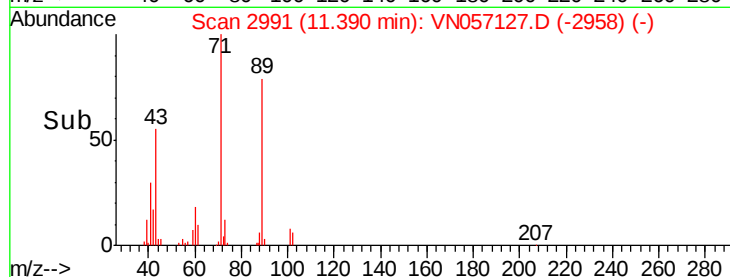
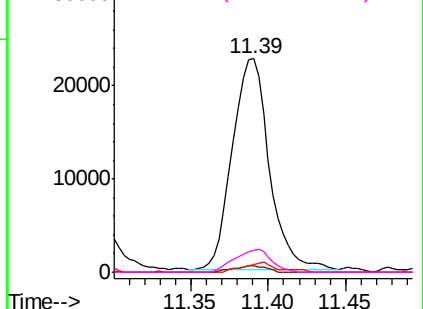


Abundance Ion 43.00 (42.70 to 43.70): VN0

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



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 11.91 min Scan# 3153

Delta R.T. -0.11 min

Lab File: VN057127.D

Acq: 8 Aug 2019 13:09

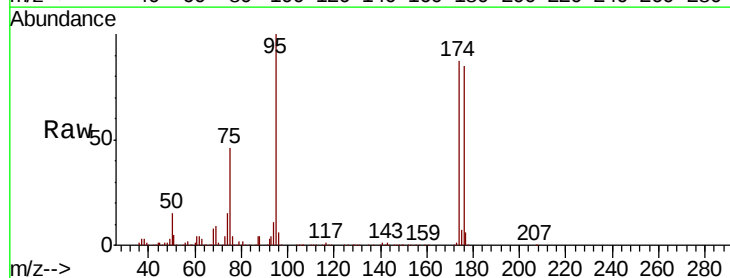
Tgt Ion: 83 Resp: 73

Ion Ratio Lower Upper

83 100

131 1258.9 5.5 16.4#

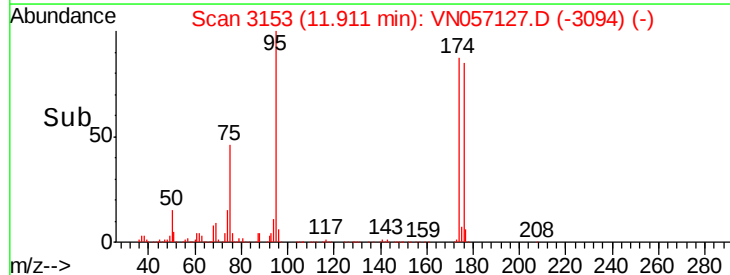
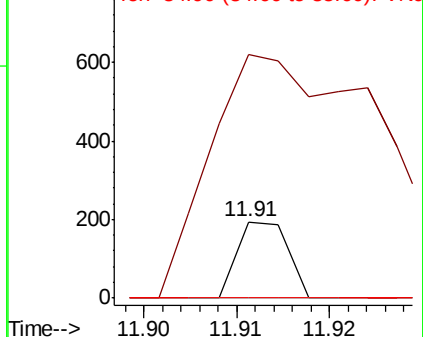
85 0.0 32.4 97.0#

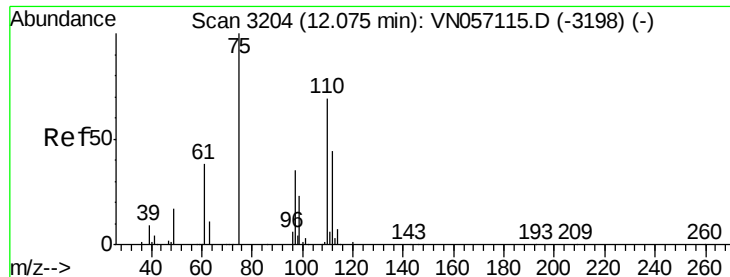


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0





#76

1,2,3-Trichloropropane

Concen: 32.289 ug/l

RT: 11.92 min Scan# 3155

Delta R.T. -0.16 min

Lab File: VN057127.D

Acq: 8 Aug 2019 13:09

Instrument :

MSVOA_N

ClientSampleId :

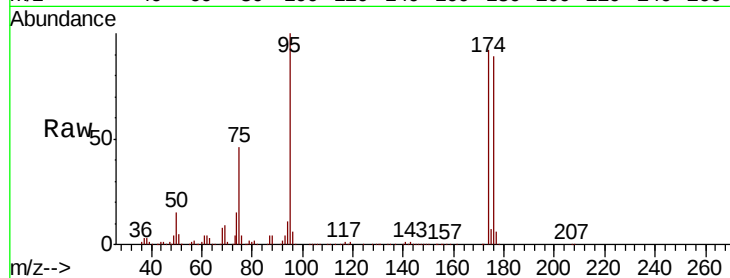
EO-01-080719-B

Tgt Ion: 75 Resp: 306367

Ion Ratio Lower Upper

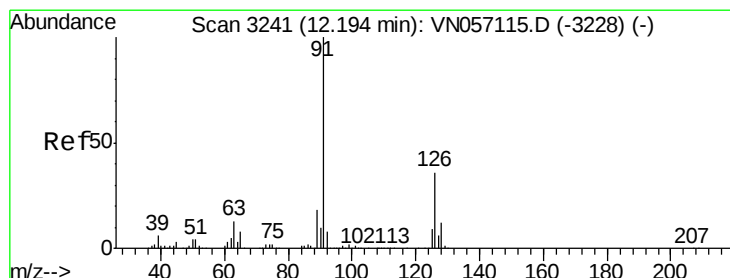
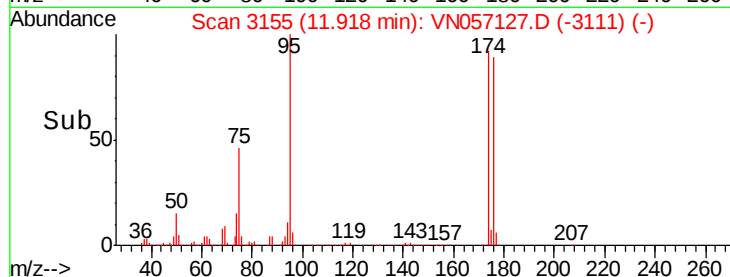
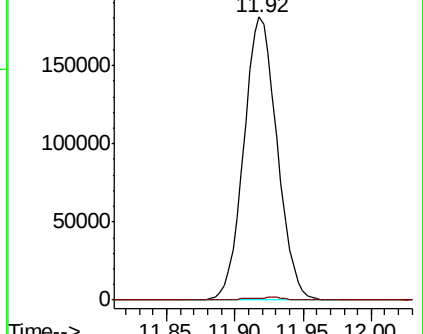
75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.19 min Scan# 3240

Delta R.T. -0.00 min

Lab File: VN057127.D

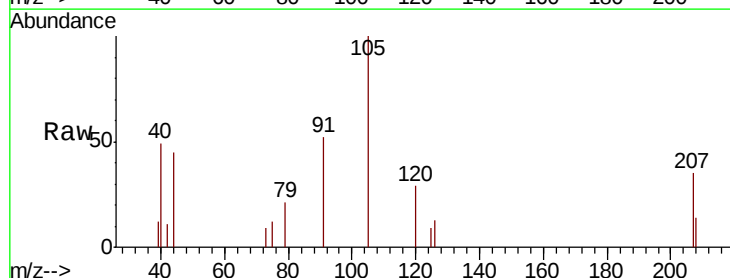
Acq: 8 Aug 2019 13:09

Tgt Ion: 91 Resp: 1742

Ion Ratio Lower Upper

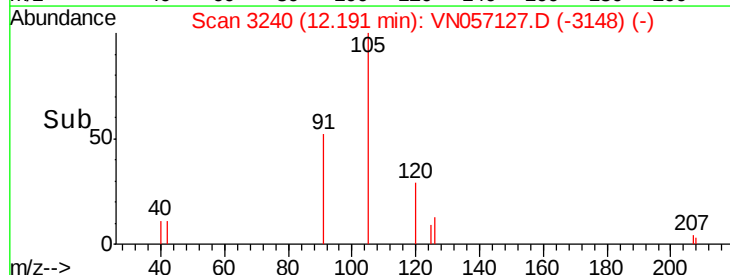
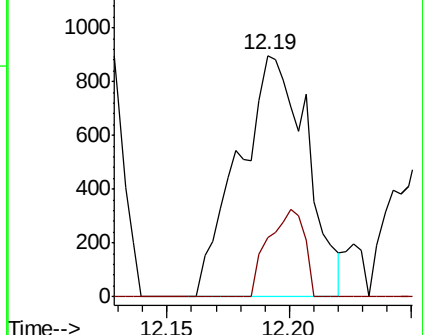
91 100

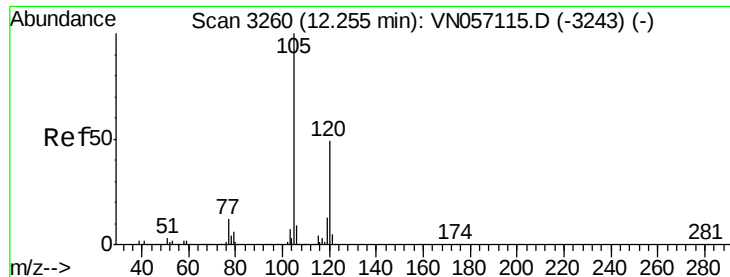
126 19.2 18.1 54.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

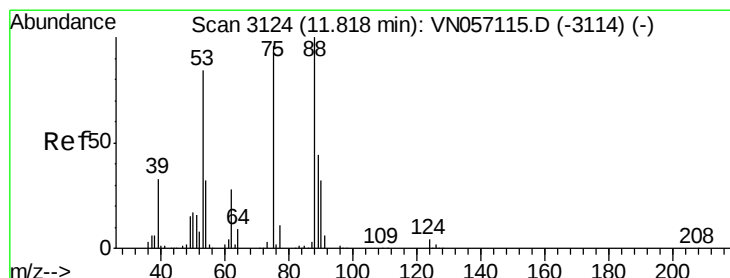
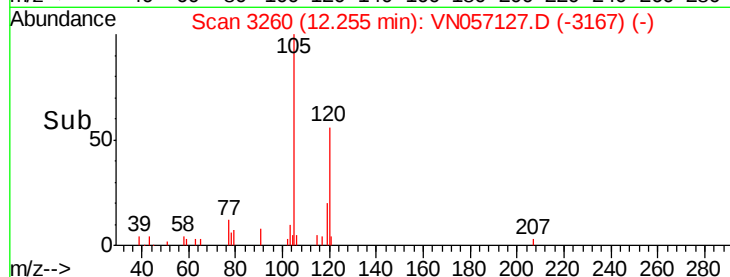
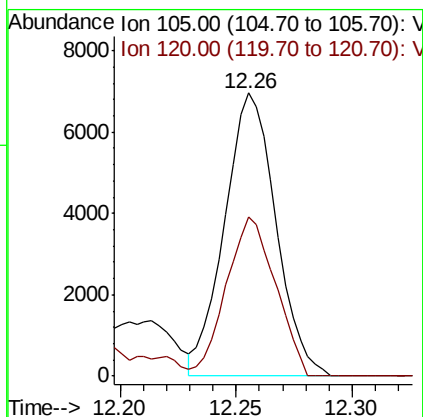
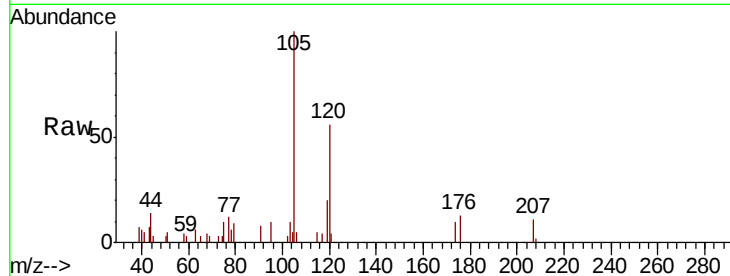




#80
 1,3,5-Trimethylbenzene
 Concen: 0.294 ug/l
 RT: 12.26 min Scan# 3260
 Delta R.T. -0.00 min
 Lab File: VN057127.D
 Acq: 8 Aug 2019 13:09

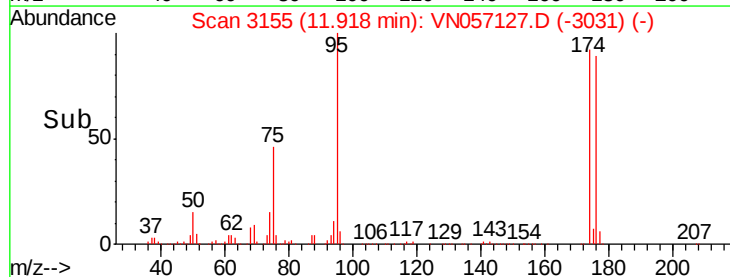
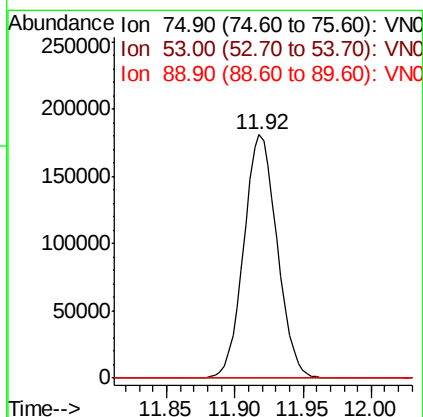
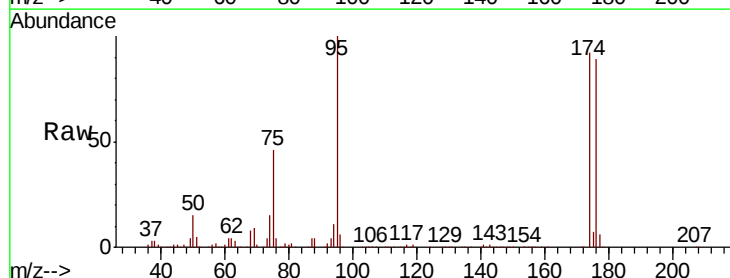
Instrument :
 MSVOA_N
 ClientSampleId :
 EO-01-080719-B

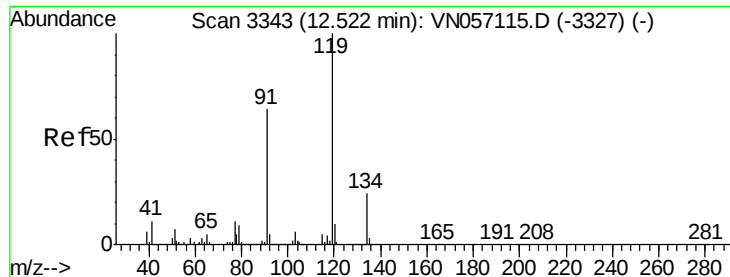
Tgt Ion:105 Resp: 10690
 Ion Ratio Lower Upper
 105 100
 120 53.9 24.6 73.6



#81
 trans-1,4-Dichloro-2-butene
 Concen: 95.677 ug/l
 RT: 11.92 min Scan# 3155
 Delta R.T. 0.10 min
 Lab File: VN057127.D
 Acq: 8 Aug 2019 13:09

Tgt Ion: 75 Resp: 306367
 Ion Ratio Lower Upper
 75 100
 53 0.0 70.6 106.0#
 89 0.0 36.4 54.6#





#83

tert-Butylbenzene

Concen: Below Cal

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN057127.D

Acq: 8 Aug 2019 13:09

Instrument :

MSVOA_N

ClientSampleId :

EO-01-080719-B

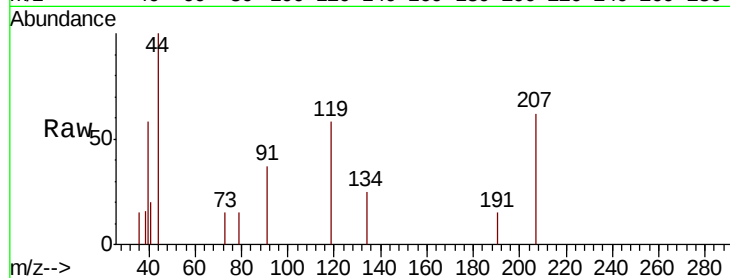
Tgt Ion:119 Resp: 831

Ion Ratio Lower Upper

119 100

91 51.1 31.4 94.2

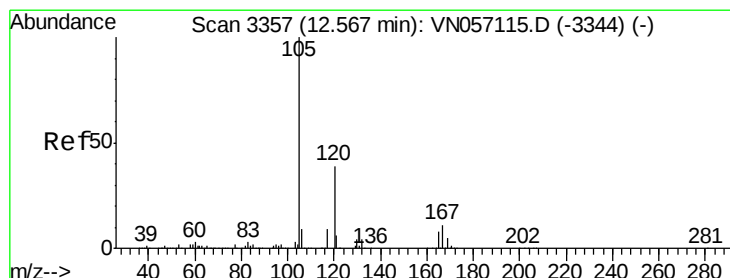
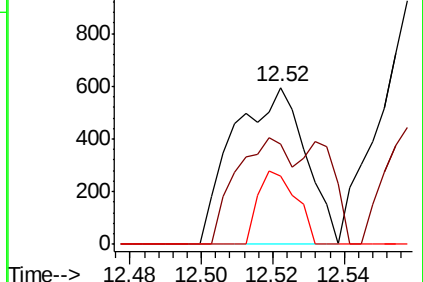
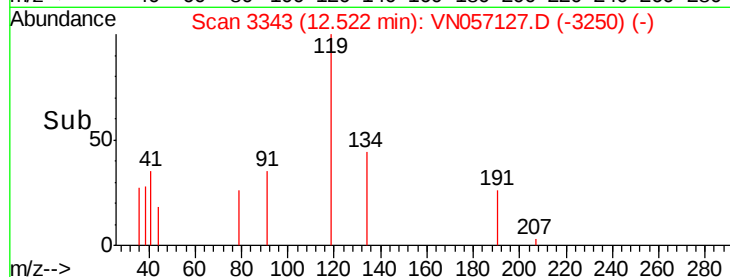
134 24.5 13.2 39.6



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: 0.342 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. -0.00 min

Lab File: VN057127.D

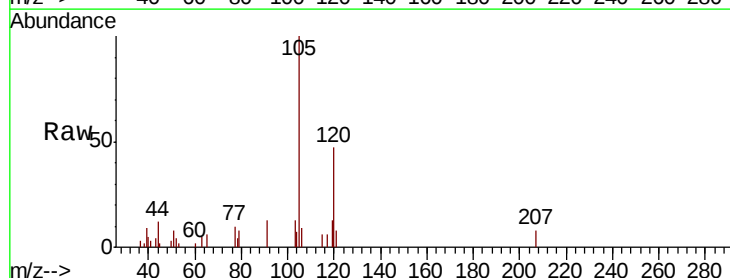
Acq: 8 Aug 2019 13:09

Tgt Ion:105 Resp: 12023

Ion Ratio Lower Upper

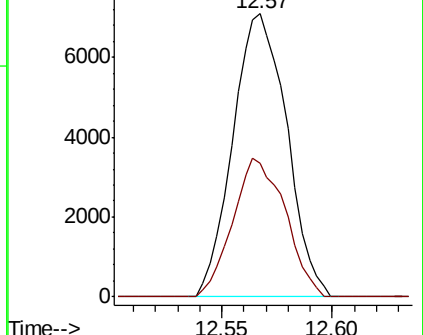
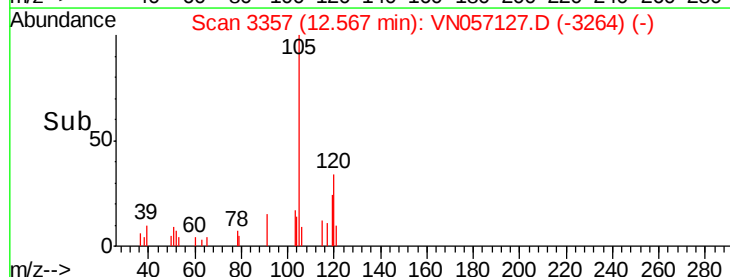
105 100

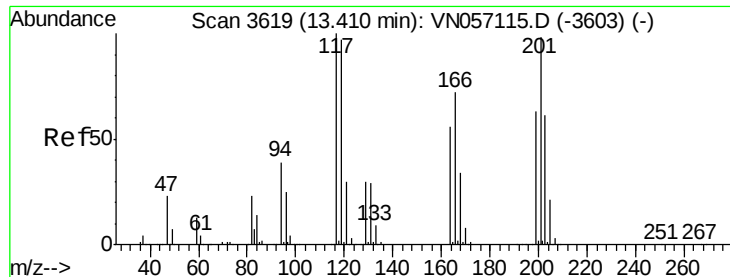
120 47.7 23.3 69.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#90

Hexachloroethane

Concen: Below Cal

RT: 13.42 min Scan# 3623

Delta R.T. 0.01 min

Lab File: VN057127.D

Acq: 8 Aug 2019 13:09

Instrument :

MSVOA_N

ClientSampleId :

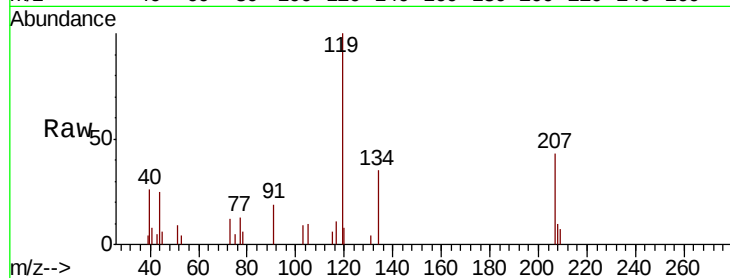
EO-01-080719-B

Tgt Ion:117 Resp: 287

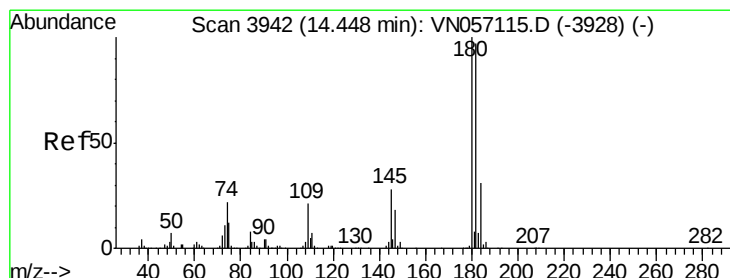
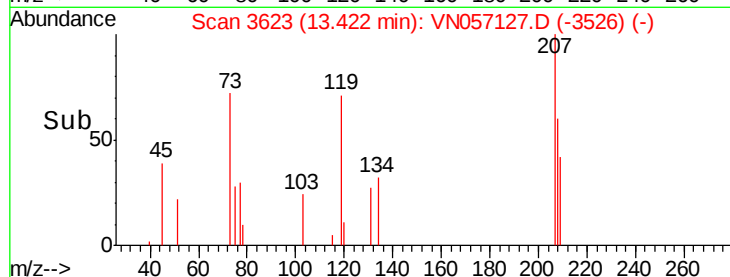
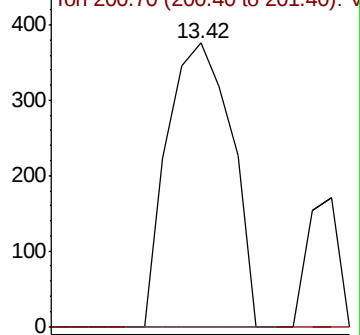
Ion Ratio Lower Upper

117 100

201 0.0 49.3 147.8#



Abundance Ion 116.80 (116.50 to 117.50): V



#93

1,2,4-Trichlorobenzene

Concen: 6.074 ug/l

RT: 14.45 min Scan# 3942

Delta R.T. 0.00 min

Lab File: VN057127.D

Acq: 8 Aug 2019 13:09

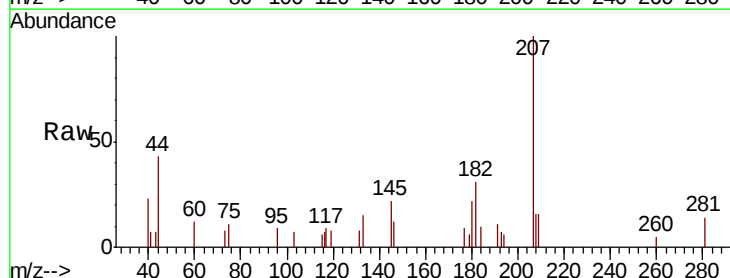
Tgt Ion:180 Resp: 1115

Ion Ratio Lower Upper

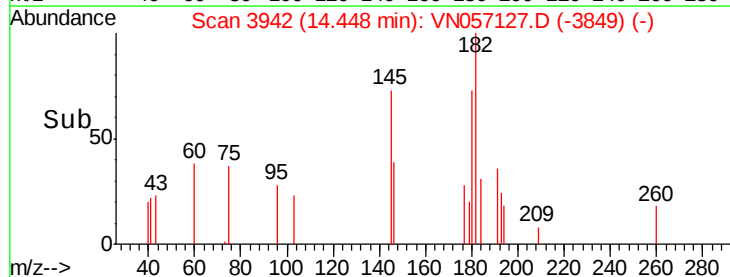
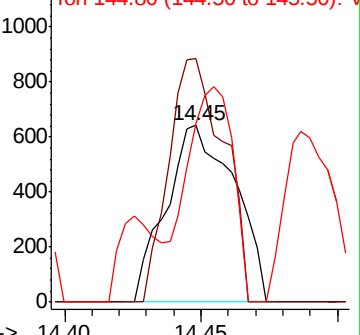
180 100

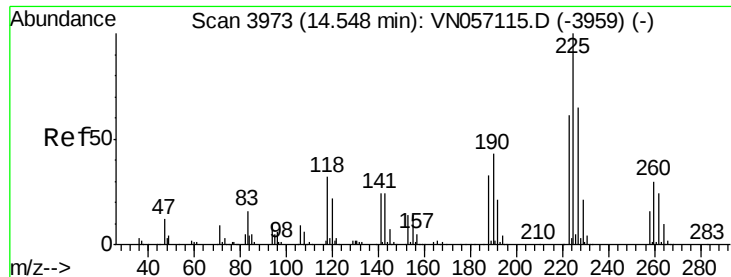
182 111.7 47.5 142.6

145 84.4 14.1 42.2#



Abundance Ion 179.80 (179.50 to 180.50): V





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 14.55 min Scan# 3973

Delta R.T. 0.00 min

Lab File: VN057127.D

Acq: 8 Aug 2019 13:09

Instrument :

MSVOA_N

ClientSampleId :

EO-01-080719-B

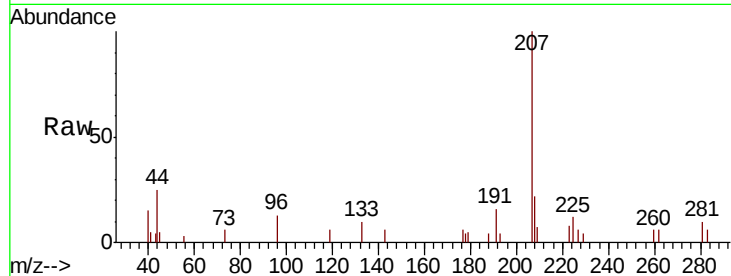
Tgt Ion:225 Resp: 480

Ion Ratio Lower Upper

225 100

223 66.5 30.9 92.8

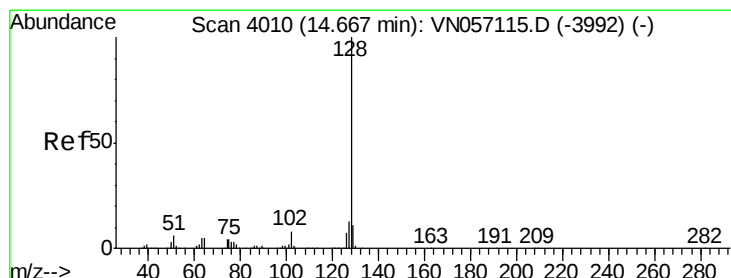
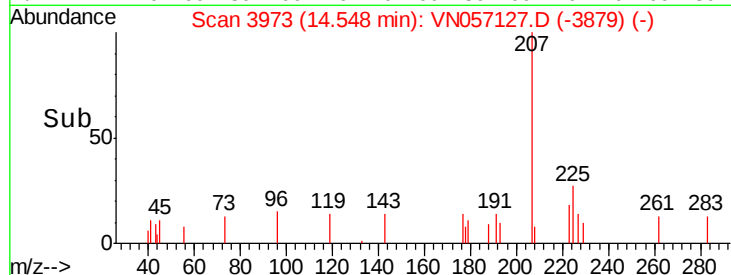
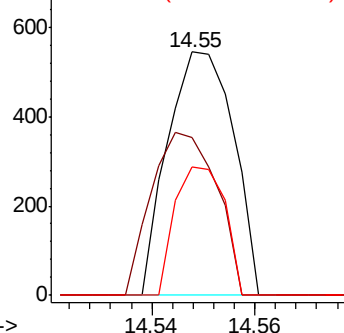
227 40.0 32.4 97.0



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: 3.122 ug/l

RT: 14.67 min Scan# 4011

Delta R.T. 0.00 min

Lab File: VN057127.D

Acq: 8 Aug 2019 13:09

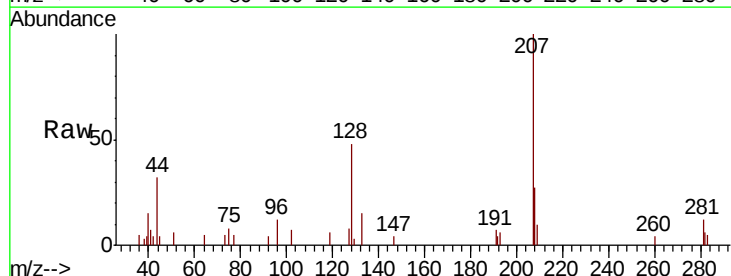
Tgt Ion:128 Resp: 3880

Ion Ratio Lower Upper

128 100

127 8.3 10.3 15.5#

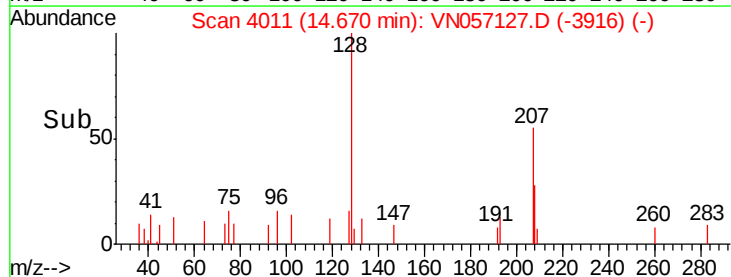
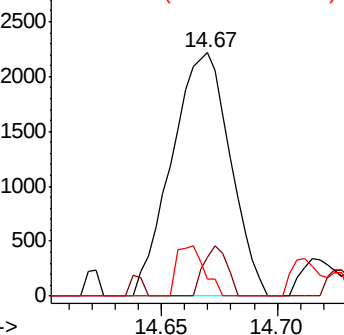
129 9.7 8.8 13.2

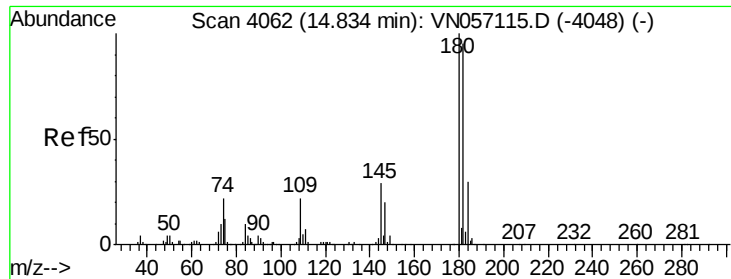


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

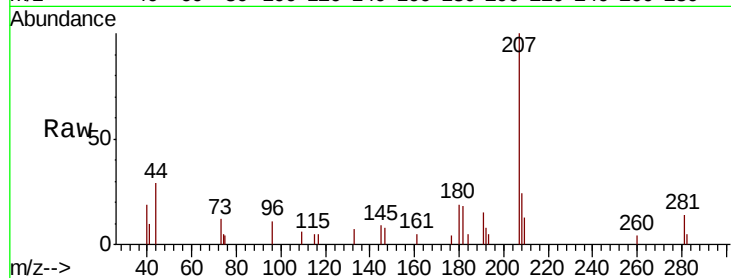




#96
 1,2,3-Trichlorobenzene
 Concen: 5.881 ug/l
 RT: 14.83 min Scan# 4062
 Delta R.T. -0.00 min
 Lab File: VN057127.D
 Acq: 8 Aug 2019 13:09

Instrument :
 MSVOA_N
 ClientSampleId :
 EO-01-080719-B

Tgt Ion:180 Resp: 1274
 Ion Ratio Lower Upper
 180 100
 182 109.0 48.3 144.8
 145 45.4 14.9 44.5#



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

