

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072319\
 Data File : VN056875.D
 Acq On : 23 Jul 2019 13:47
 Operator : JC/SP
 Sample : K3622-10
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 OR-02-071919-A

Quant Time: Jul 24 01:14:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072219W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 23 01:46:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	274109	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	499590	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	570105	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	203711	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	161671	55.30	ug/l	0.00
Spiked Amount			Recovery	=	110.60%	
35) Dibromofluoromethane	7.59	113	151893	47.97	ug/l	0.00
Spiked Amount			Recovery	=	95.94%	
50) Toluene-d8	10.09	98	654706	54.04	ug/l	0.00
Spiked Amount			Recovery	=	108.08%	
62) 4-Bromofluorobenzene	12.40	95	242998	61.29	ug/l	0.00
Spiked Amount			Recovery	=	122.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	30	Below Cal	#	42
5) Bromomethane	2.57	94	1134	0.530	ug/l	91
10) Methyl Iodide	3.95	142	1691	0.578	ug/l #	58
13) Acrolein	3.59	56	104	0.301	ug/l #	15
14) Allyl chloride	4.55	41	8402	1.921	ug/l #	28
16) Acetone	3.82	43	13889	13.191	ug/l	92
17) Carbon Disulfide	4.04	76	2226	0.307	ug/l #	75
18) Methyl Acetate	4.33	43	5559	Below Cal		91
20) Methylene Chloride	4.54	84	210739	66.938	ug/l	99
25) 2-Butanone	6.87	43	2242	1.449	ug/l #	68
28) Bromochloromethane	7.37	49	481	0.207	ug/l #	11
29) Tetrahydrofuran	7.23	42	419	0.394	ug/l #	34
30) Chloroform	7.37	83	7377	1.437	ug/l	99
31) Cyclohexane	7.66	56	4674	0.941	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	17940	3.894	ug/l #	44
38) Carbon Tetrachloride	7.67	117	23295	5.311	ug/l #	16
43) Isopropyl Acetate	8.17	43	15714	2.460	ug/l	98
45) 1,2-Dichloropropane	9.27	63	1052	0.273	ug/l #	43
47) Bromodichloromethane	9.40	83	1473	0.329	ug/l #	79
48) Methyl methacrylate	9.18	41	7218	2.259	ug/l #	21
51) 4-Methyl-2-Pentanone	9.99	43	3898	1.023	ug/l	95
52) Toluene	10.16	92	1848	0.215	ug/l	99
54) cis-1,3-Dichloropropene	9.90	75	42705	7.887	ug/l #	62
57) 1,3-Dichloropropane	10.76	76	7821	1.382	ug/l #	42
59) 2-Hexanone	10.76	43	105445	39.996	ug/l #	51
68) m/p-Xylenes	11.62	106	1570	0.205	ug/l	91
70) Styrene	11.96	104	1073	0.600	ug/l	94
71) Bromoform	12.40	173	1856	0.600	ug/l #	1
73) Isopropylbenzene	12.25	105	896	Below Cal		96
74) N-amyl acetate	12.07	43	1529	0.256	ug/l #	41
76) 1,2,3-Trichloropropane	12.40	75	112744	26.705	ug/l #	100
79) 2-Chlorotoluene	12.67	91	1405	Below Cal		93
80) 1,3,5-Trimethylbenzene	12.73	105	3692	Below Cal		91
81) trans-1,4-Dichloro-2-buten	12.40	75	112744	85.533	ug/l #	13

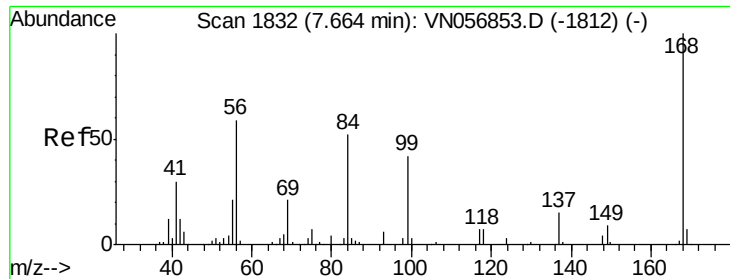
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072319\
Data File : VN056875.D
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072219W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 23 01:46:34 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
83) tert-Butylbenzene	12.99	119	806	Below Cal #	69
84) 1,2,4-Trimethylbenzene	13.04	105	5915	0.419 ug/l	70
93) 1,2,4-Trichlorobenzene	14.91	180	1545	4.498 ug/l	91
94) Hexachlorobutadiene	15.01	225	247	Below Cal	68
95) Naphthalene	15.13	128	14345	4.968 ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	2252	3.015 ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056875.D

Acq: 23 Jul 2019 13:47

Instrument :

MSVOA_N

ClientSampleId :

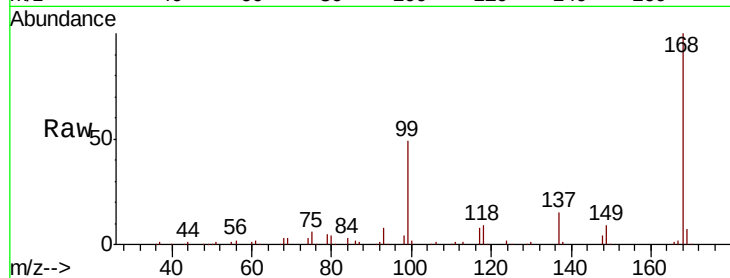
OR-02-071919-A

Tot Ion:168 Resp: 274109

Ion Ratio Lower Upper

168 100

99 49.3 40.9 61.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

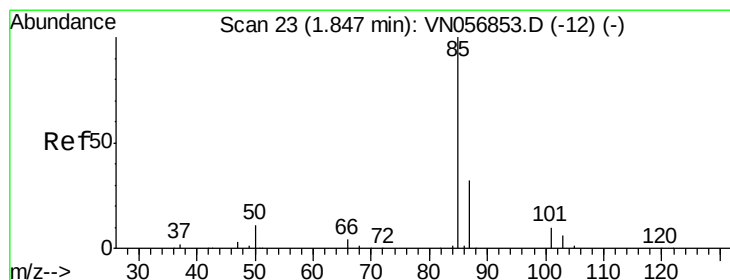
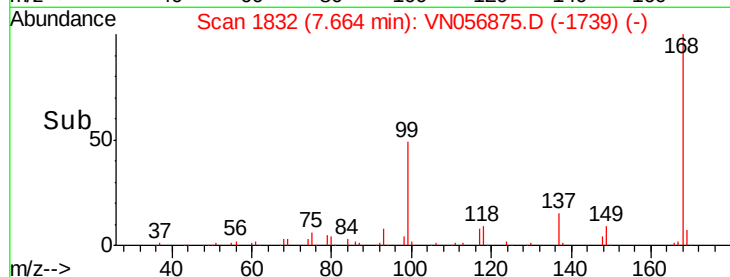
7.66

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN056875.D

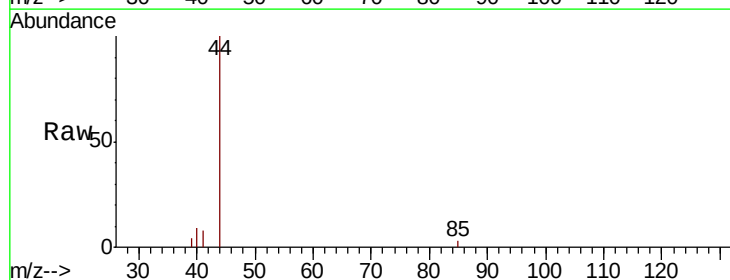
Acq: 23 Jul 2019 13:47

Tgt Ion: 85 Resp: 30

Ion Ratio Lower Upper

85 100

87 0.0 16.2 48.5#



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

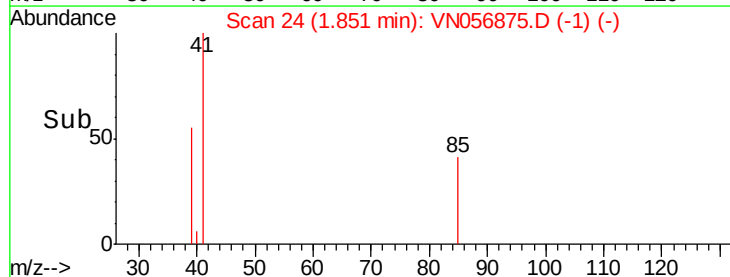
150

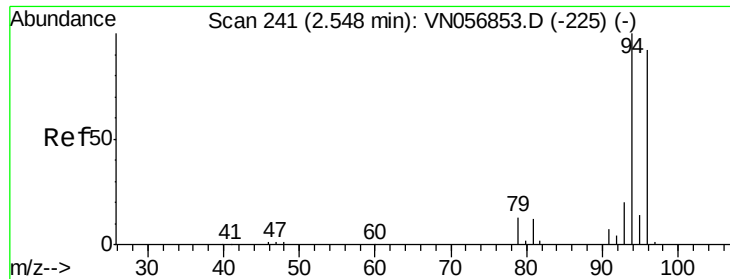
100

50

0

Time-->





#5

Bromomethane

Concen: 0.530 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.02 min

Lab File: VN056875.D

Acq: 23 Jul 2019 13:47

Instrument :

MSVOA_N

ClientSampleId :

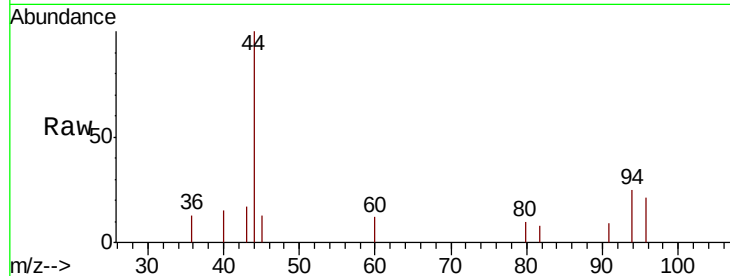
OR-02-071919-A

Tot Ion: 94 Resp: 1134

Ion Ratio Lower Upper

94 100

96 83.6 73.6 110.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.57

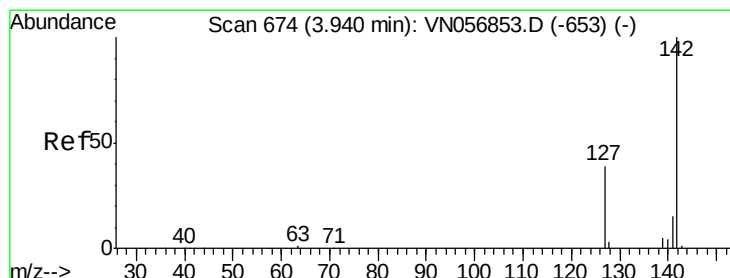
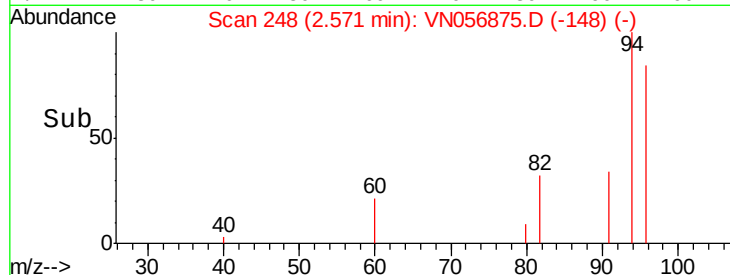
600

400

200

0

Time-->



#10

Methyl Iodide

Concen: 0.578 ug/l

RT: 3.95 min Scan# 678

Delta R.T. 0.01 min

Lab File: VN056875.D

Acq: 23 Jul 2019 13:47

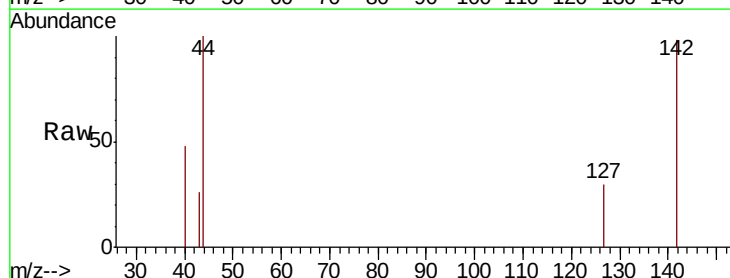
Tgt Ion: 142 Resp: 1691

Ion Ratio Lower Upper

142 100

127 11.9 31.2 46.8#

141 0.0 11.4 17.2#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

800

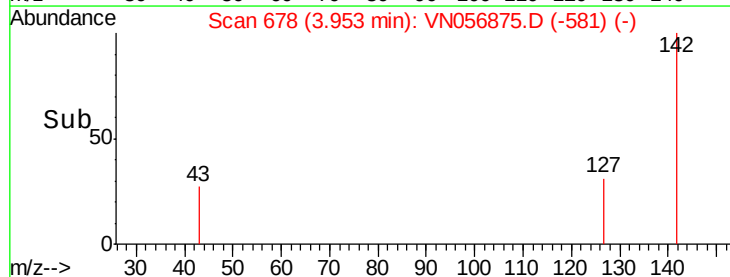
600

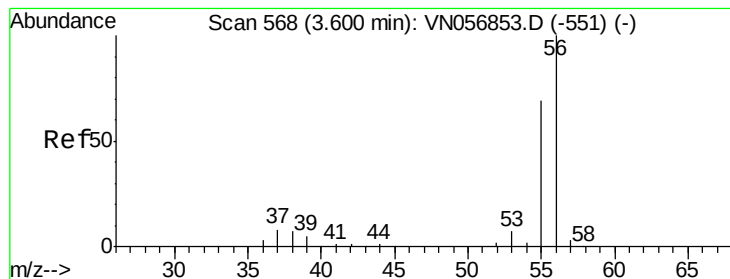
400

200

0

Time-->





#13

Acrolein

Concen: 0.301 ug/l

RT: 3.59 min Scan# 566

Delta R.T. -0.01 min

Lab File: VN056875.D

Acq: 23 Jul 2019 13:47

Instrument :

MSVOA_N

ClientSampleId :

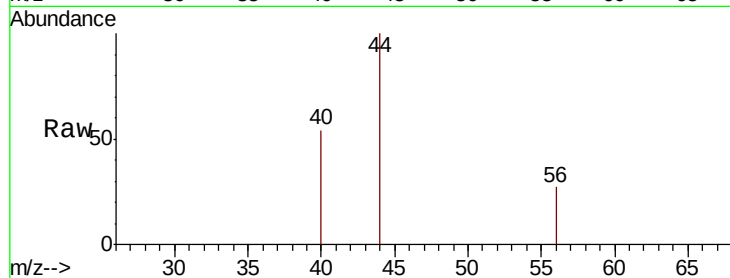
OR-02-071919-A

Tot Ion: 56 Resp: 104

Ion Ratio Lower Upper

56 100

55 0.0 56.2 84.4#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.59

200

150

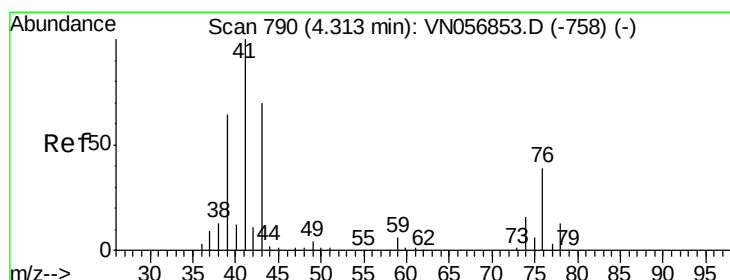
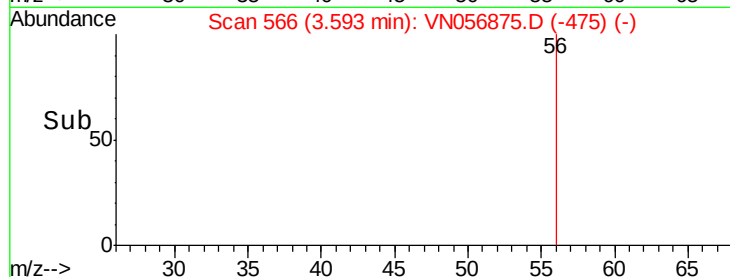
100

50

0

Time-->

3.58 3.59 3.60



#14

Allyl chloride

Concen: 1.921 ug/l

RT: 4.55 min Scan# 863

Delta R.T. 0.23 min

Lab File: VN056875.D

Acq: 23 Jul 2019 13:47

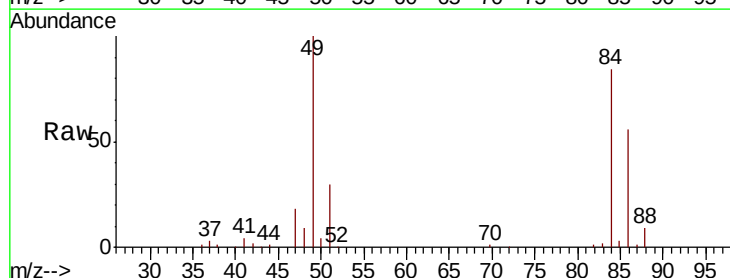
Tgt Ion: 41 Resp: 8402

Ion Ratio Lower Upper

41 100

39 0.0 47.8 71.6#

76 0.0 27.9 41.9#



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

4.55

4000

3000

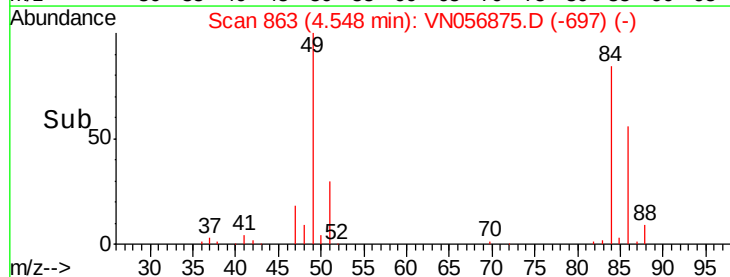
2000

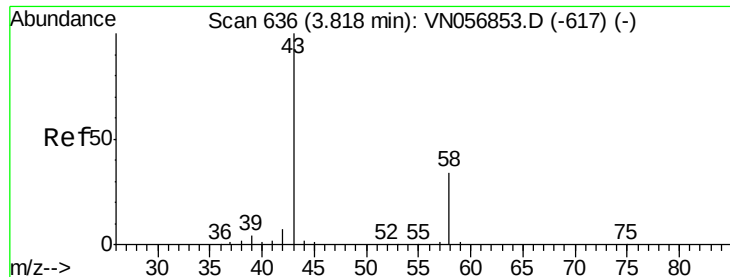
1000

0

Time-->

4.45 4.50 4.55 4.60





#16

Acetone

Concen: 13.191 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN056875.D

Acq: 23 Jul 2019 13:47

Instrument :

MSVOA_N

ClientSampleId :

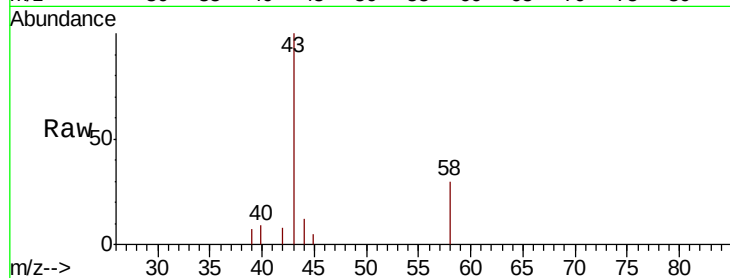
OR-02-071919-A

Tot Ion: 43 Resp: 13889

Ion Ratio Lower Upper

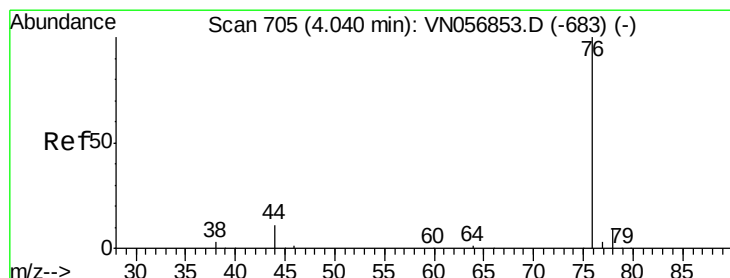
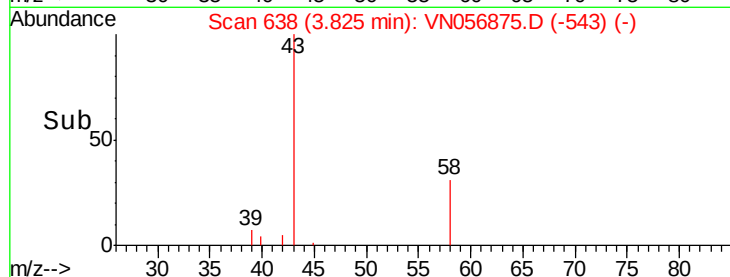
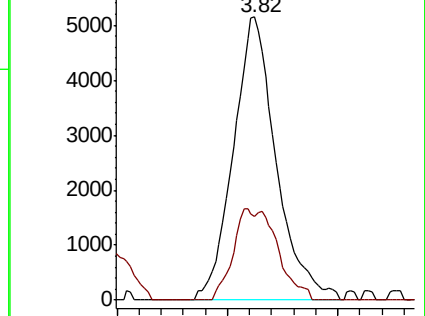
43 100

58 29.8 27.3 40.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#17

Carbon Disulfide

Concen: 0.307 ug/l

RT: 4.04 min Scan# 705

Delta R.T. 0.00 min

Lab File: VN056875.D

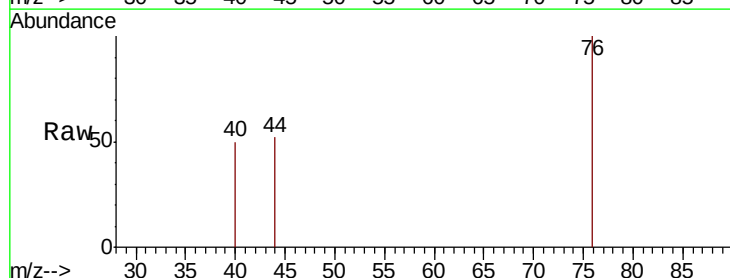
Acq: 23 Jul 2019 13:47

Tgt Ion: 76 Resp: 2226

Ion Ratio Lower Upper

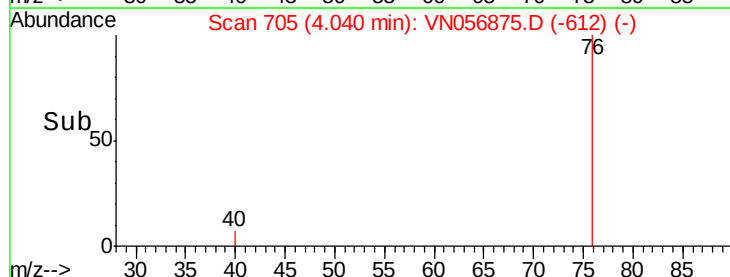
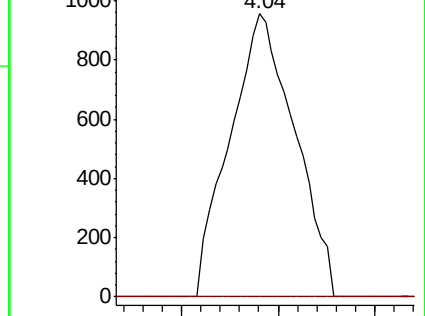
76 100

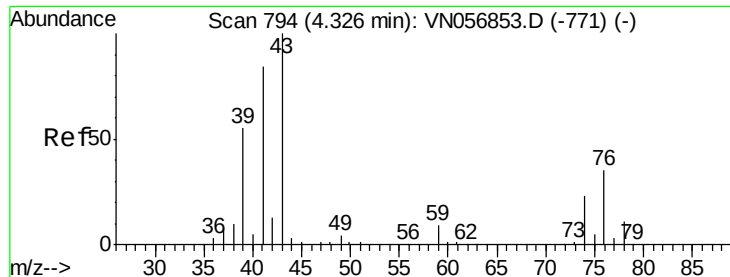
78 0.0 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

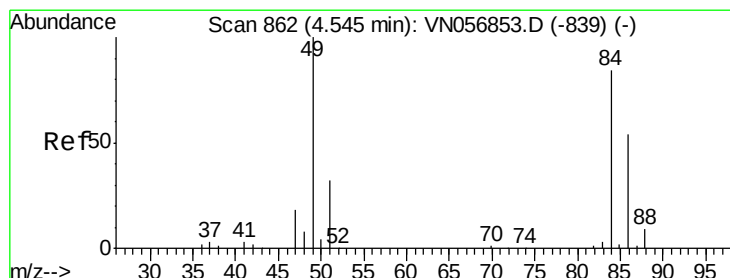
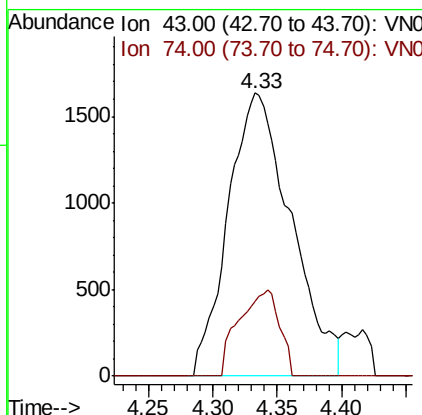
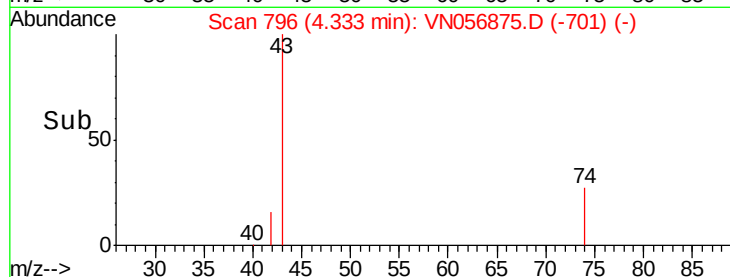
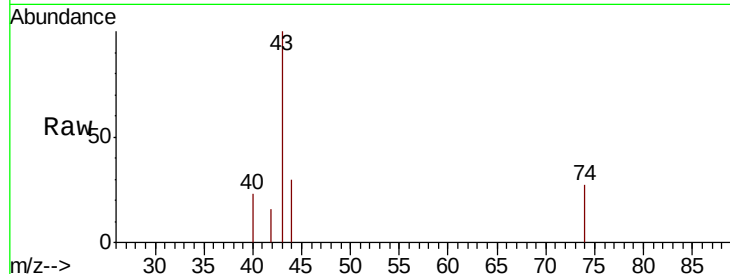




#18
Methvl Acetate
Concen: Below Cal
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN056875.D
Acq: 23 Jul 2019 13:47

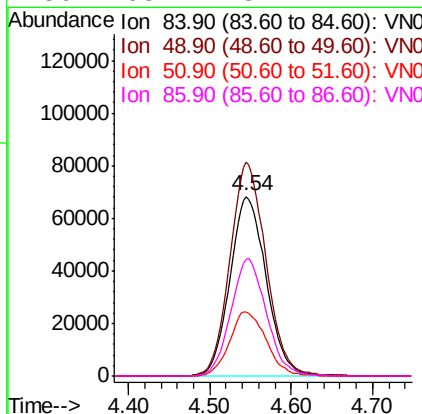
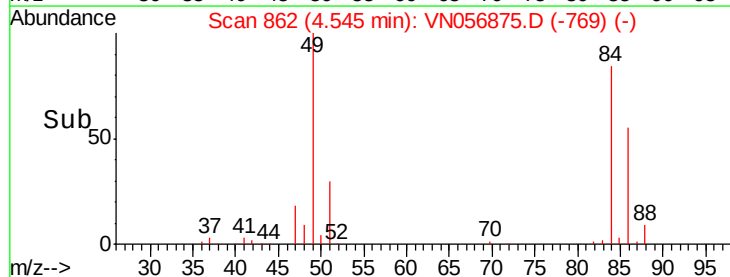
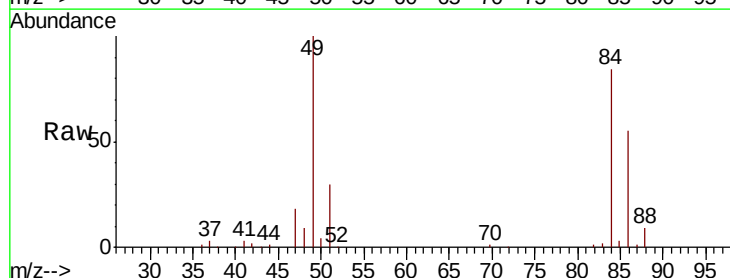
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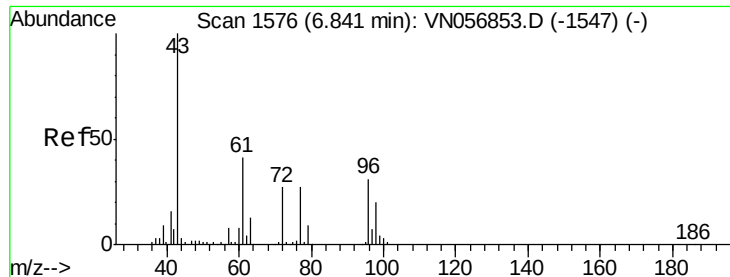
Tot Ion: 43 Resp: 5559
Ion Ratio Lower Upper
43 100
74 19.5 19.0 28.4



#20
Methylene Chloride
Concen: 66.938 ug/l
RT: 4.54 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN056875.D
Acq: 23 Jul 2019 13:47

Tgt Ion: 84 Resp: 210739
Ion Ratio Lower Upper
84 100
49 119.2 94.9 142.3
51 35.6 29.9 44.9
86 65.2 51.4 77.2

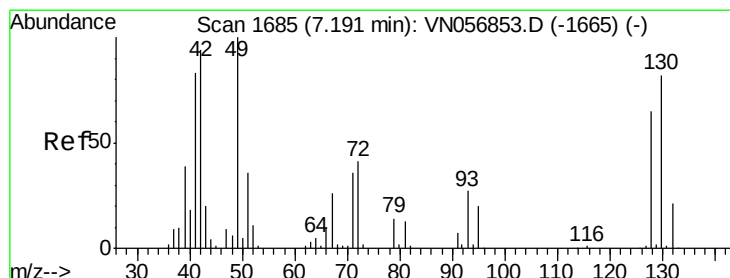
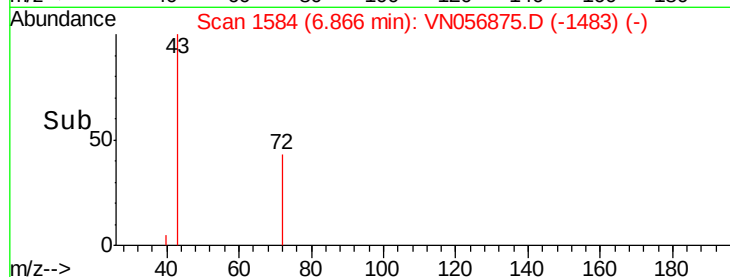
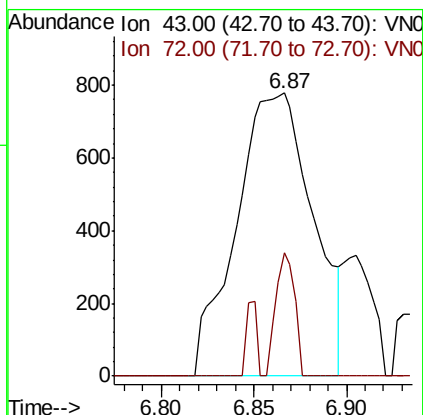
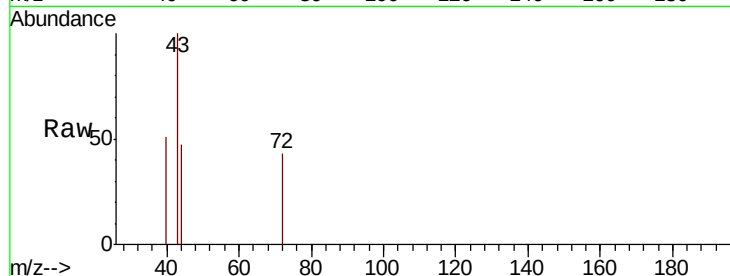




#25
2-Butanone
Concen: 1.449 ug/l
RT: 6.87 min Scan# 1584
Delta R.T. 0.03 min
Lab File: VN056875.D
Acq: 23 Jul 2019 13:47

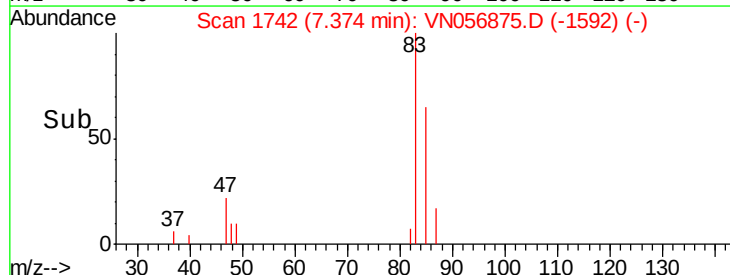
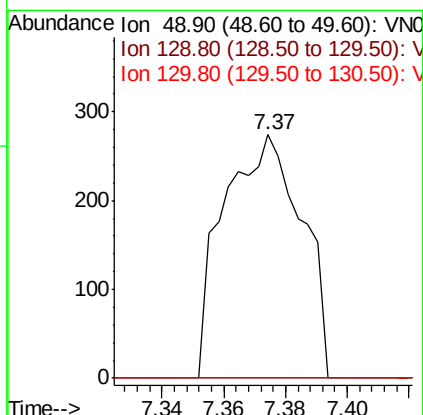
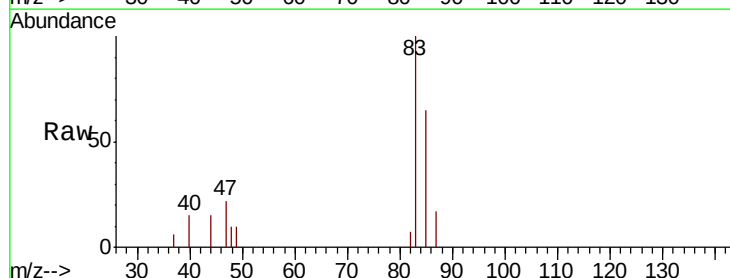
Instrument :
MSVOA_N
ClientSampleId :
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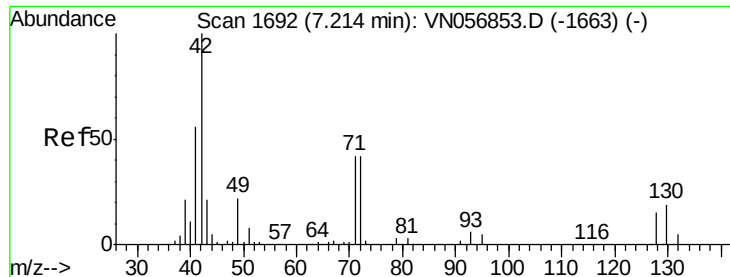
Tot Ion: 43 Resp: 2242
Ion Ratio Lower Upper
43 100
72 43.4 21.5 32.3#



#28
Bromochloromethane
Concen: 0.207 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.18 min
Lab File: VN056875.D
Acq: 23 Jul 2019 13:47

Tgt Ion: 49 Resp: 481
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 65.0 97.6#





#29

Tetrahydrofuran

Concen: 0.394 ug/l

RT: 7.23 min Scan# 1698

Delta R.T. 0.02 min

Lab File: VN056875.D

Acq: 23 Jul 2019 13:47

Instrument :

MSVOA_N

ClientSampleId :

OR-02-071919-A

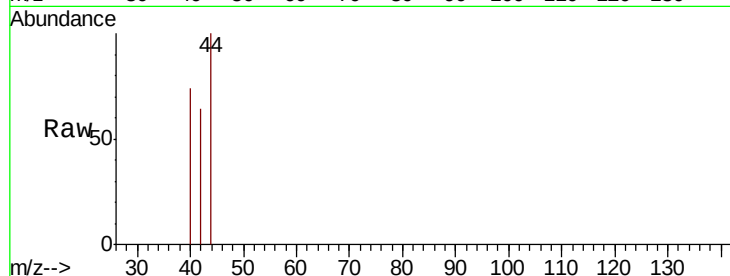
Tot Ion: 42 Resp: 419

Ion Ratio Lower Upper

42 100

72 0.0 34.2 51.2#

71 0.0 32.7 49.1#



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

300

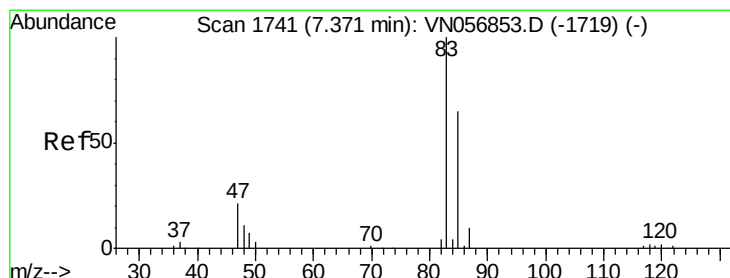
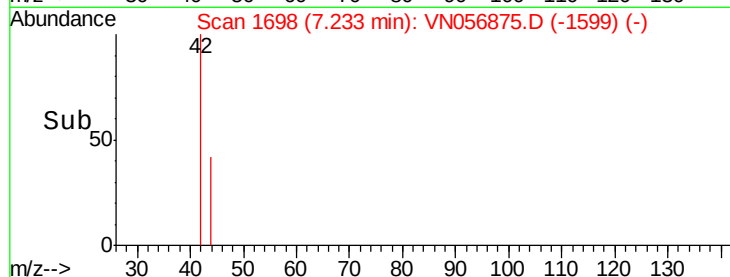
200

100

0

7.20 7.22 7.24

Time-->



#30

Chloroform

Concen: 1.437 ug/l

RT: 7.37 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VN056875.D

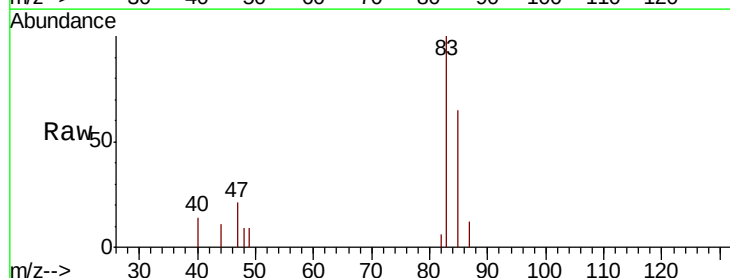
Acq: 23 Jul 2019 13:47

Tgt Ion: 83 Resp: 7377

Ion Ratio Lower Upper

83 100

85 64.7 52.3 78.5



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

3000

2500

2000

1500

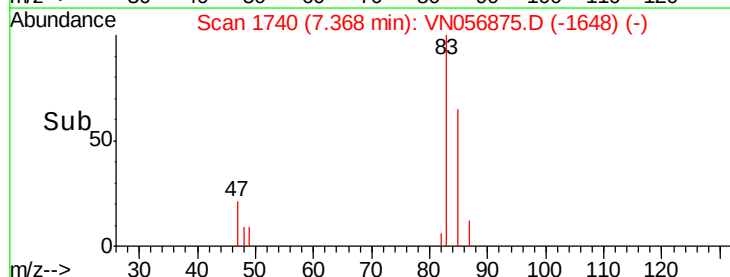
1000

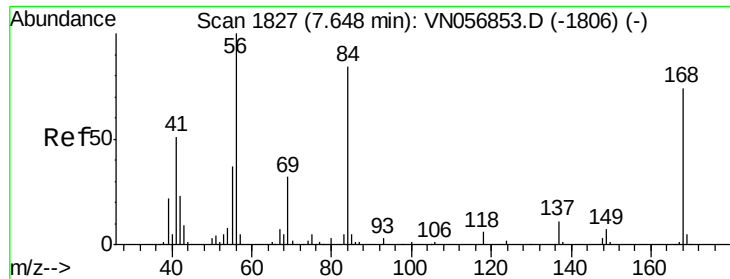
500

0

7.30 7.35 7.40 7.45

Time-->

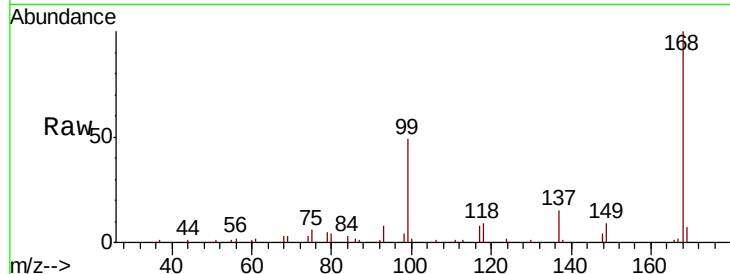




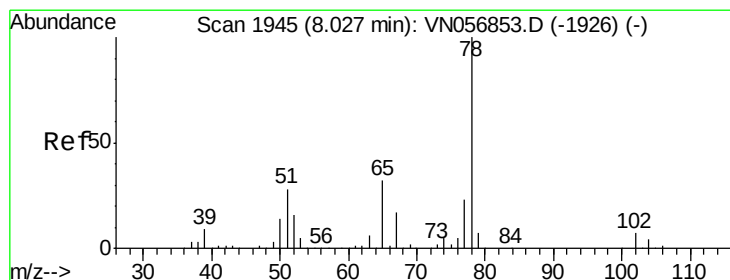
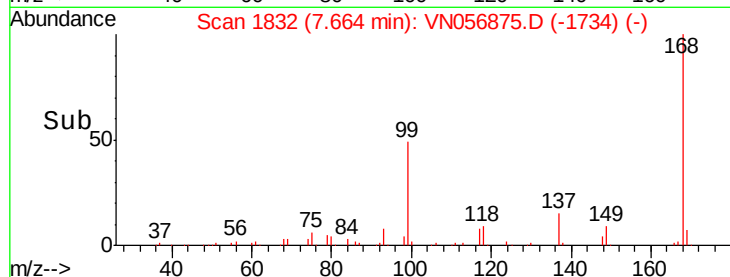
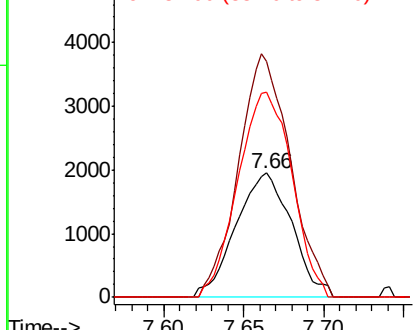
#31
Cyclohexane
Concen: 0.941 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.02 min
Lab File: VN056875.D
Acq: 23 Jul 2019 13:47

Instrument :
MSVOA_N
ClientSampleId :
OR-02-071919-A

Tot Ion: 56 Resp: 4674
Ion Ratio Lower Upper
56 100
69 189.6 25.5 38.3#
84 165.2 67.3 100.9#

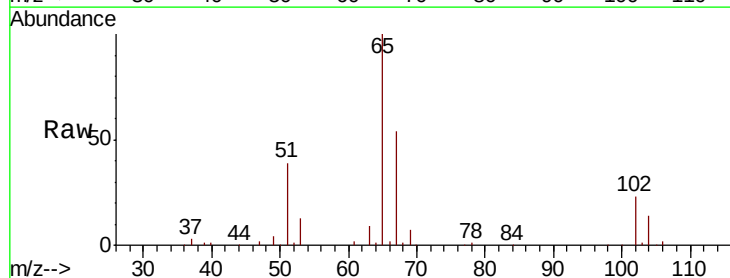


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

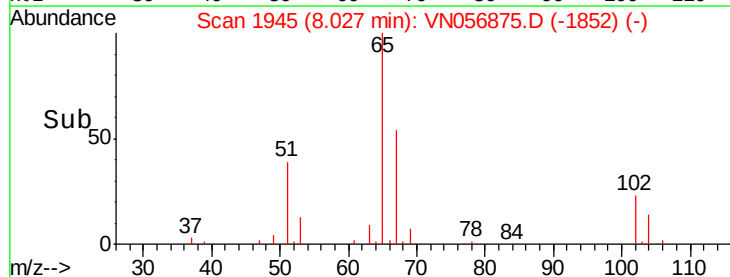
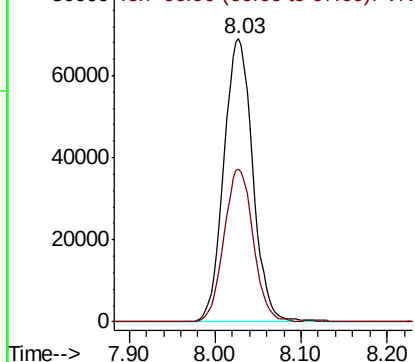


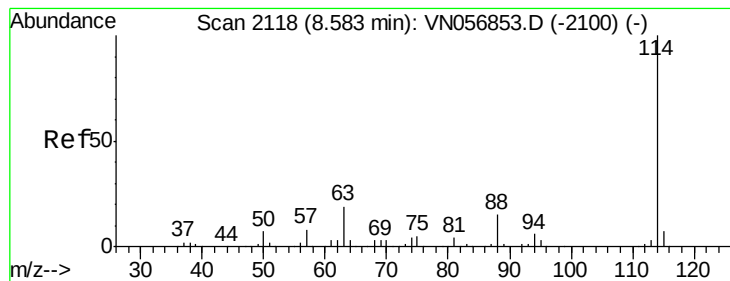
#33
1,2-Dichloroethane-d4
Concen: 55.295 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN056875.D
Acq: 23 Jul 2019 13:47

Tgt Ion: 65 Resp: 161671
Ion Ratio Lower Upper
65 100
67 54.3 0.0 108.6



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: 8.58 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN056875.D

Acq: 23 Jul 2019 13:47

Instrument :

MSVOA_N

ClientSampleId :

OR-02-071919-A

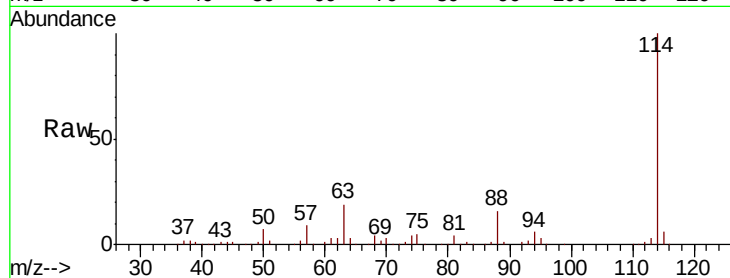
Tot Ion:114 Resp: 499590

Ion Ratio Lower Upper

114 100

63 19.5 0.0 37.8

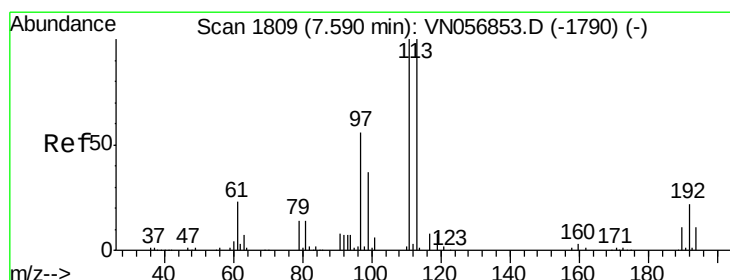
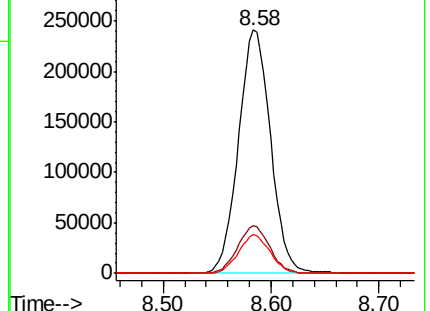
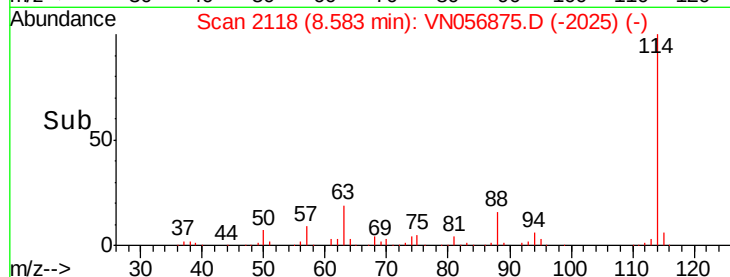
88 15.8 0.0 31.0



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: 47.968 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN056875.D

Acq: 23 Jul 2019 13:47

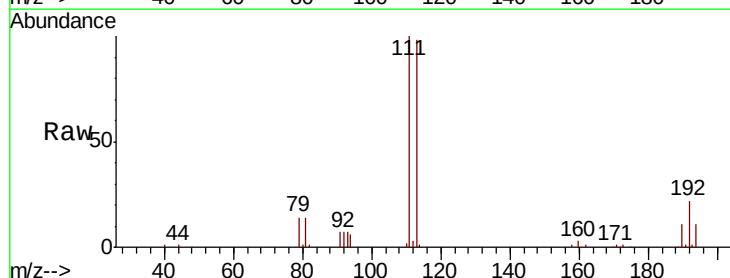
Tgt Ion:113 Resp: 151893

Ion Ratio Lower Upper

113 100

111 102.2 81.9 122.9

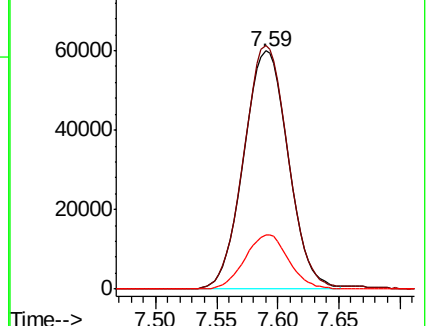
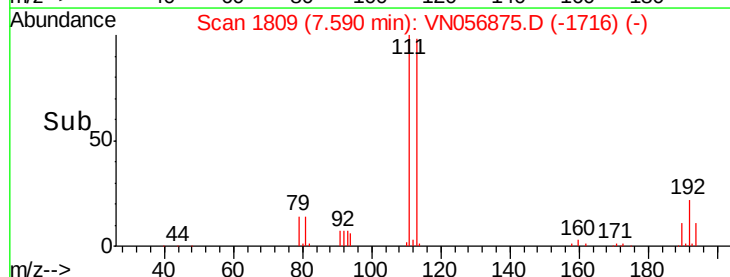
192 22.2 18.5 27.7

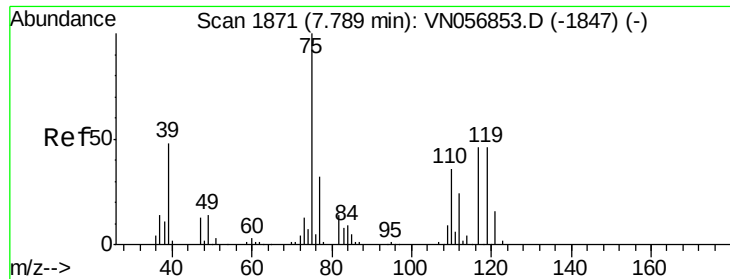


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

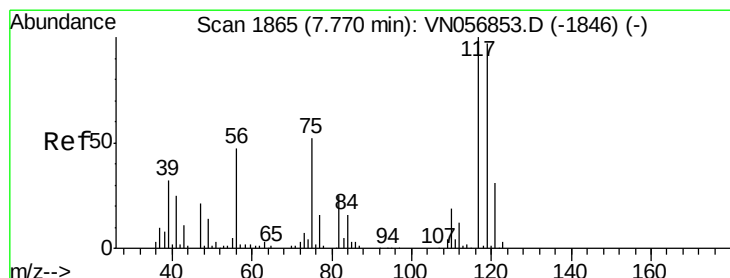
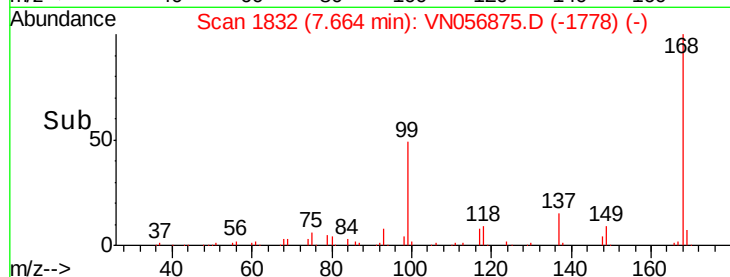
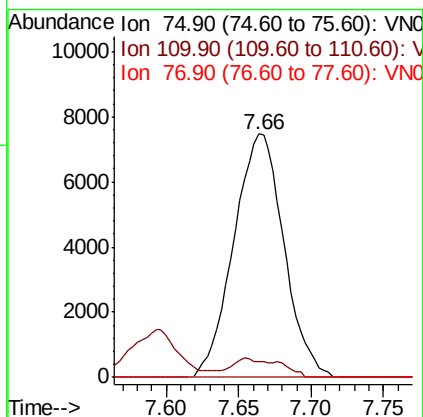
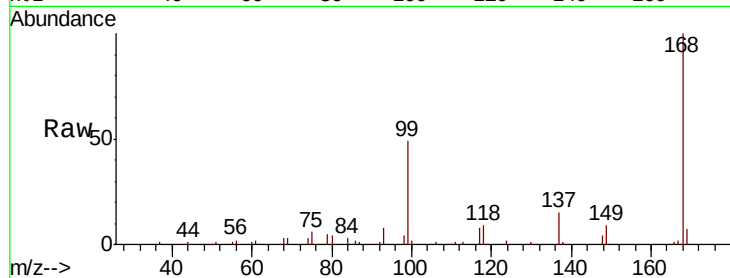




#36
 1,1-Dichloropropene
 Concen: 3.894 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN056875.D
 Acq: 23 Jul 2019 13:47

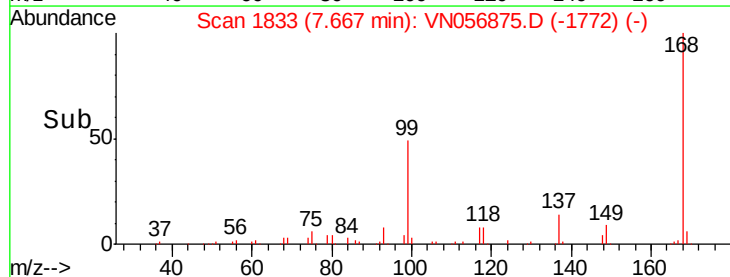
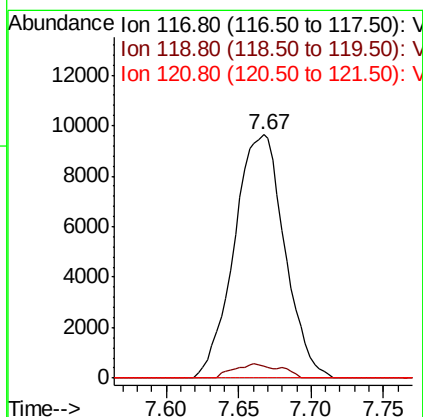
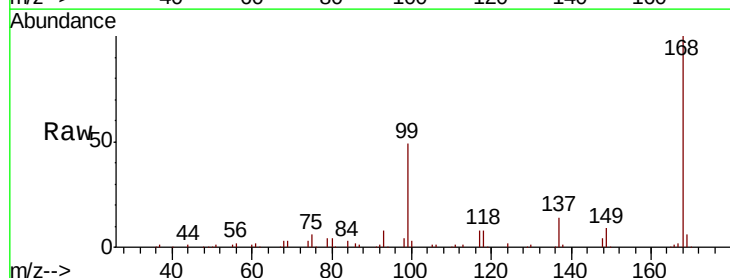
Instrument :
 MSVOA_N
 ClientSampleId :
 OR-02-071919-A

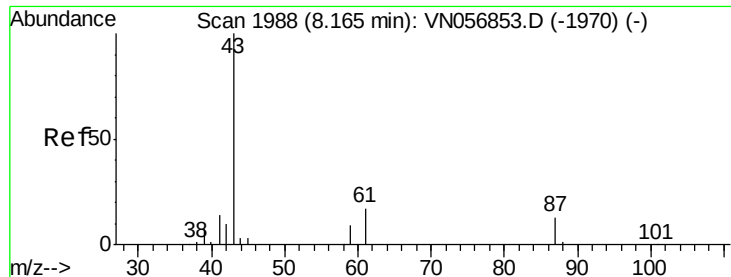
Tot Ion	75	Resp	17940
Ion Ratio	Lower	Upper	
75	100		
110	3.1	17.9	53.7#
77	0.0	25.0	37.6#



#38
 Carbon Tetrachloride
 Concen: 5.311 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.10 min
 Lab File: VN056875.D
 Acq: 23 Jul 2019 13:47

Tgt Ion	117	Resp	23295
Ion Ratio	Lower	Upper	
117	100		
119	4.9	77.2	115.8#
121	0.0	24.5	36.7#





#43

Isopropyl Acetate

Concen: 2.460 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN056875.D

Acq: 23 Jul 2019 13:47

Instrument :

MSVOA_N

ClientSampleId :

OR-02-071919-A

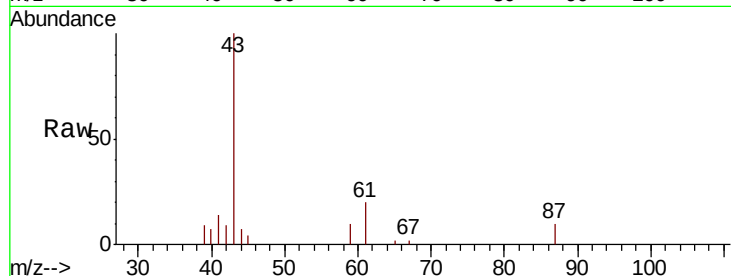
Tot Ion: 43 Resp: 15714

Ion Ratio Lower Upper

43 100

61 22.3 17.8 26.6

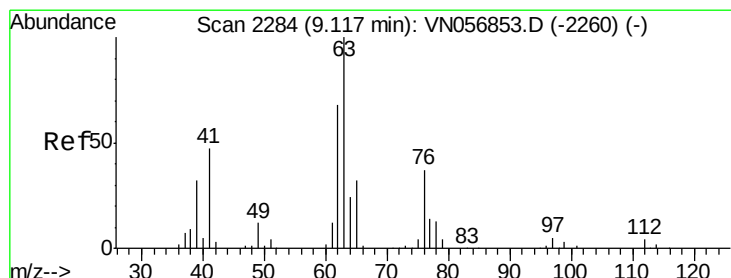
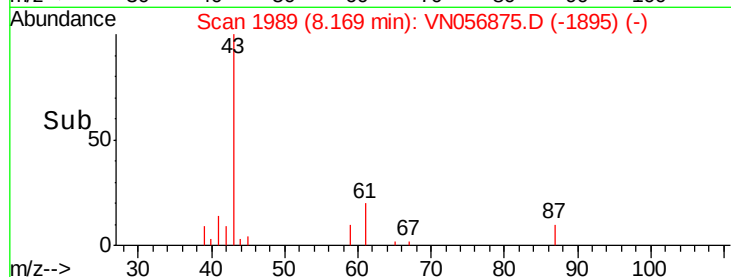
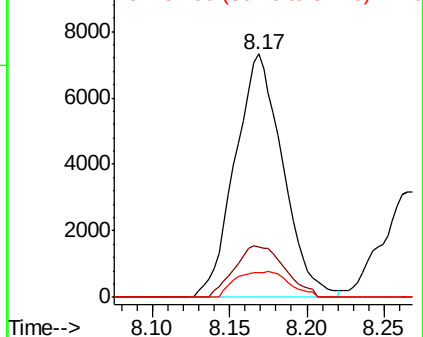
87 11.7 11.0 16.4



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



#45

1,2-Dichloropropane

Concen: 0.273 ug/l

RT: 9.27 min Scan# 2331

Delta R.T. 0.15 min

Lab File: VN056875.D

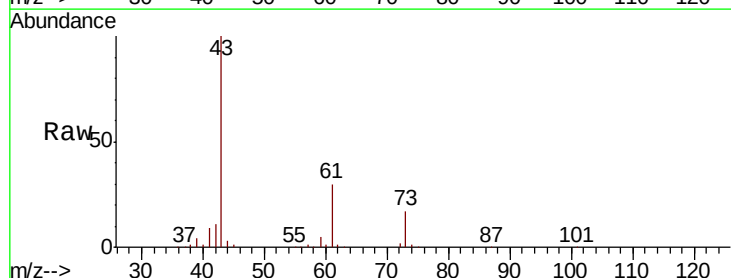
Acq: 23 Jul 2019 13:47

Tgt Ion: 63 Resp: 1052

Ion Ratio Lower Upper

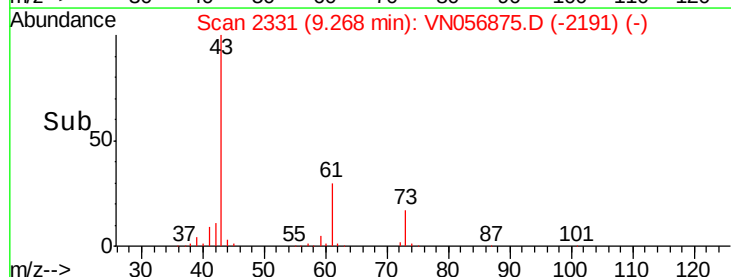
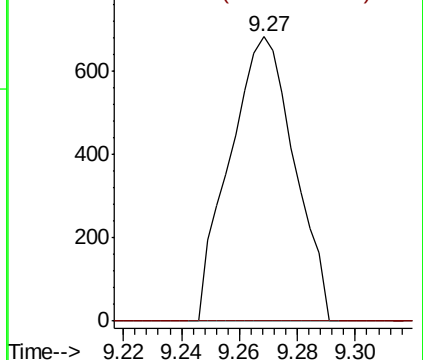
63 100

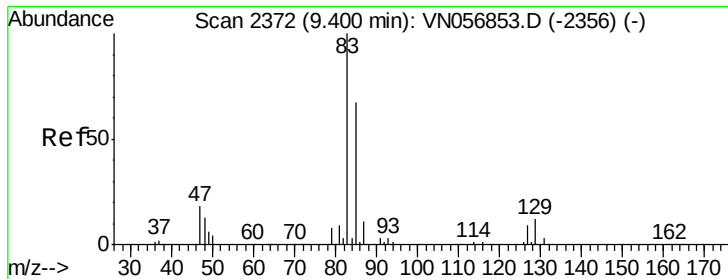
65 0.0 25.4 38.0#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0





#47

Bromodichloromethane

Concen: 0.329 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. 0.00 min

Lab File: VN056875.D

Acq: 23 Jul 2019 13:47

Instrument :

MSVOA_N

ClientSampleId :

OR-02-071919-A

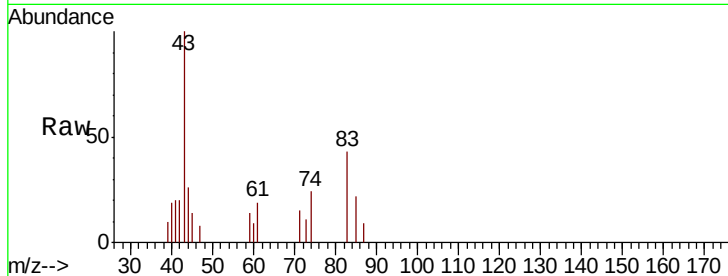
Tot Ion: 83 Resp: 1473

Ion Ratio Lower Upper

83 100

85 50.5 53.4 80.2#

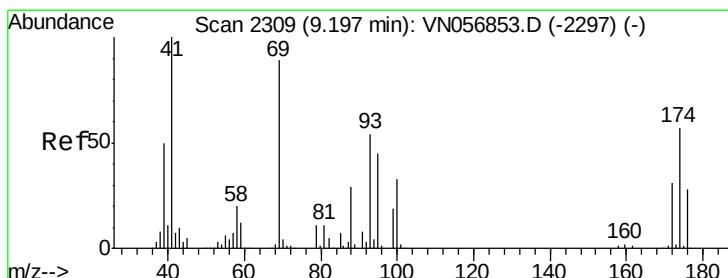
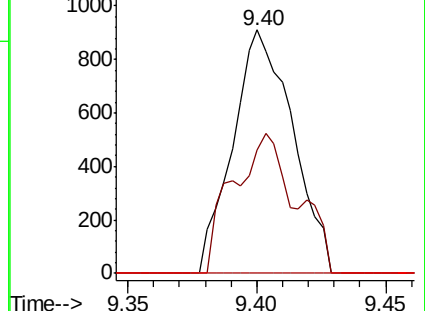
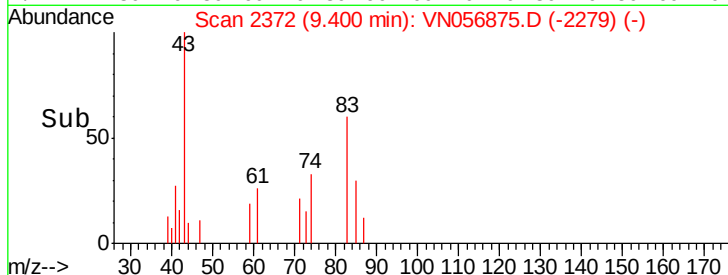
127 0.0 7.2 10.8#



Abundance Ion 82.90 (82.60 to 83.60): VN056875.D (-2279) (-)

Ion 84.90 (84.60 to 85.60): VN056875.D (-2279) (-)

Ion 126.80 (126.50 to 127.50): VN056875.D (-2279) (-)



#48

Methyl methacrylate

Concen: 2.259 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. -0.02 min

Lab File: VN056875.D

Acq: 23 Jul 2019 13:47

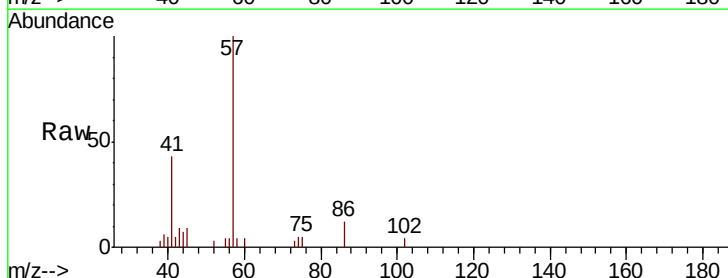
Tgt Ion: 41 Resp: 7218

Ion Ratio Lower Upper

41 100

69 0.0 71.1 106.7#

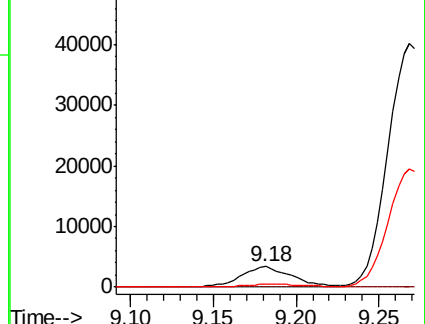
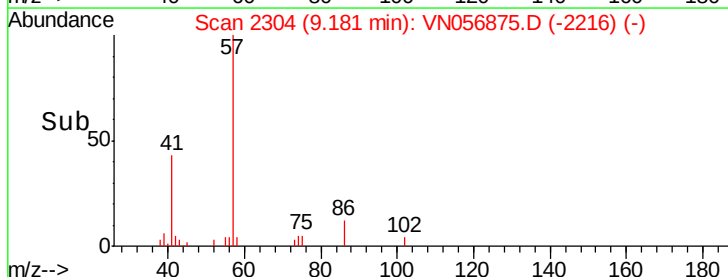
39 15.7 40.6 60.8#

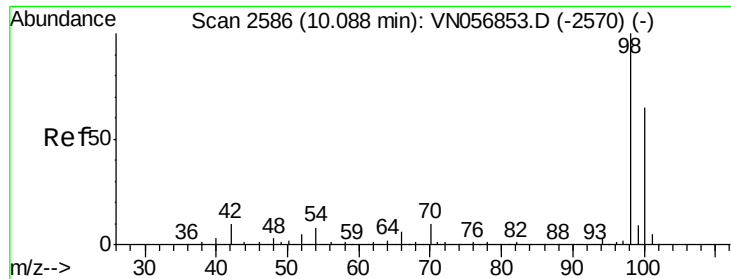


Abundance Ion 41.00 (40.70 to 41.70): VN056875.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN056875.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN056875.D (-2216) (-)

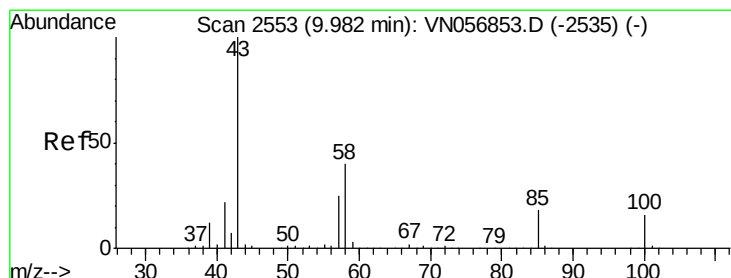
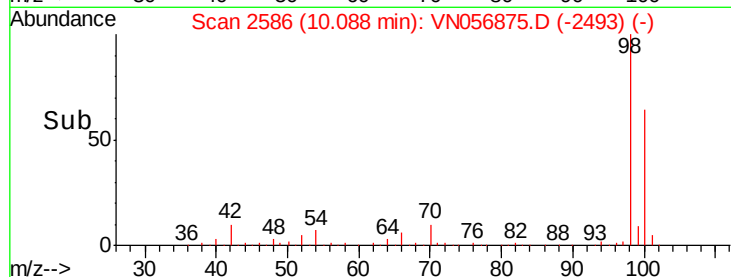
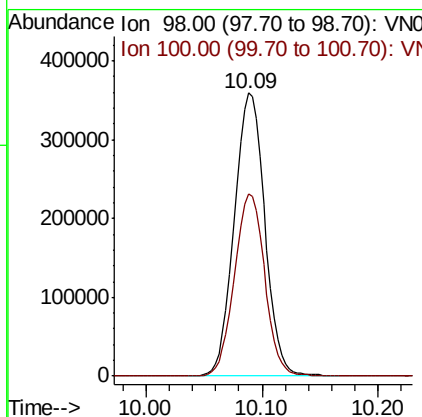
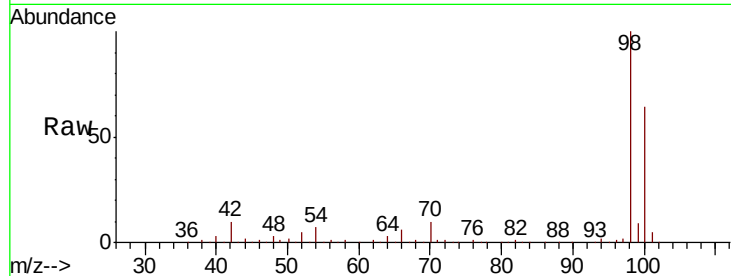




#50
Toluene-d8
Concen: 54.043 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN056875.D
Acq: 23 Jul 2019 13:47

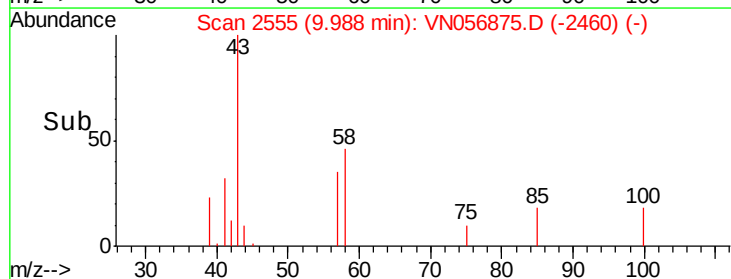
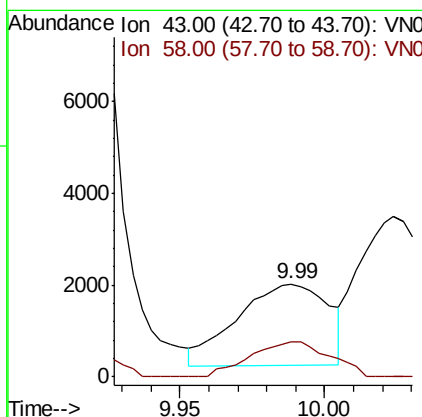
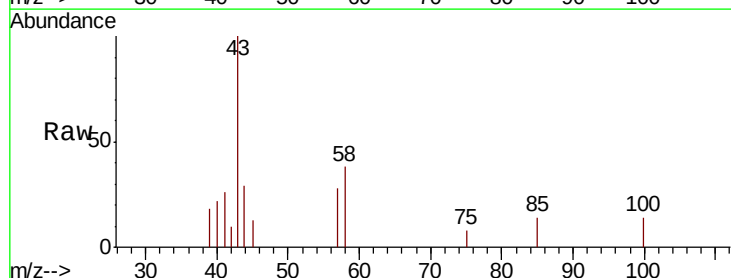
Instrument :
MSVOA_N
ClientSampleId :
OR-02-071919-A

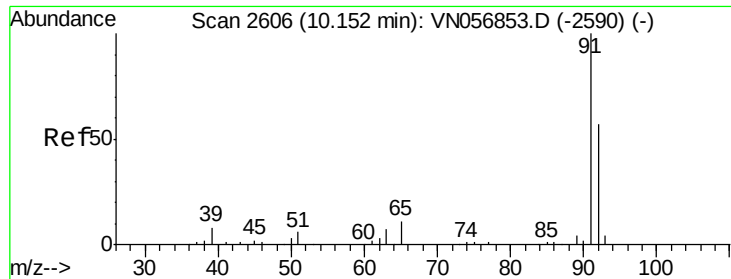
Tot Ion: 98 Resp: 654706
Ion Ratio Lower Upper
98 100
100 64.0 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 1.023 ug/l
RT: 9.99 min Scan# 2555
Delta R.T. 0.01 min
Lab File: VN056875.D
Acq: 23 Jul 2019 13:47

Tgt Ion: 43 Resp: 3898
Ion Ratio Lower Upper
43 100
58 37.4 32.4 48.6





#52

Toluene

Concen: 0.215 ug/l

RT: 10.16 min Scan# 2608

Delta R.T. 0.01 min

Lab File: VN056875.D

Acq: 23 Jul 2019 13:47

Instrument :

MSVOA_N

ClientSampleId :

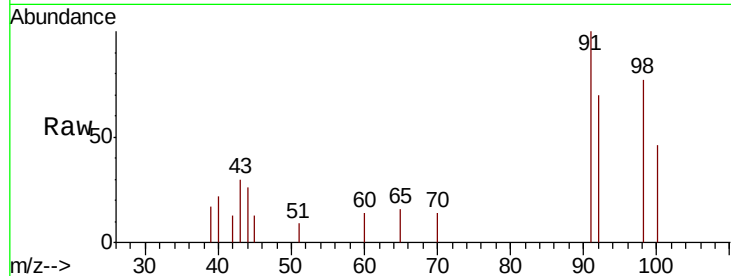
OR-02-071919-A

Tot Ion: 92 Resp: 1848

Ion Ratio Lower Upper

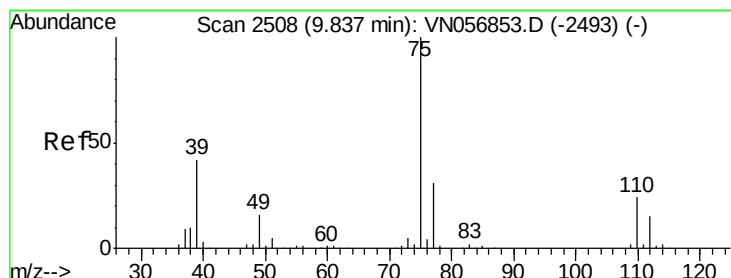
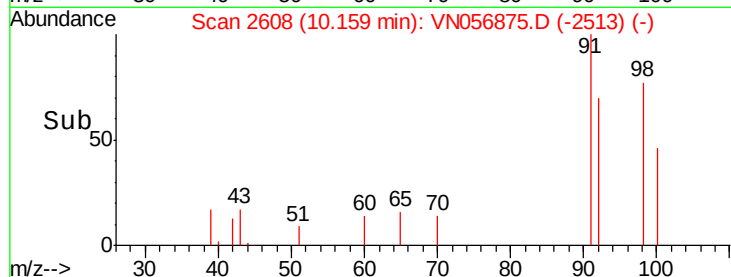
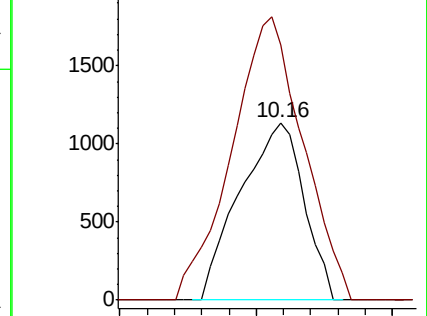
92 100

91 177.5 140.6 210.8



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#54

cis-1,3-Dichloropropene

Concen: 7.887 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.07 min

Lab File: VN056875.D

Acq: 23 Jul 2019 13:47

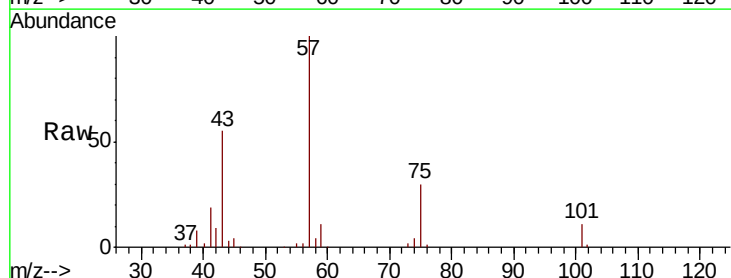
Tgt Ion: 75 Resp: 42705

Ion Ratio Lower Upper

75 100

77 0.0 25.1 37.7#

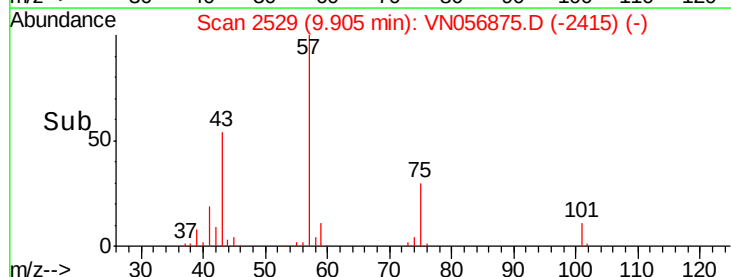
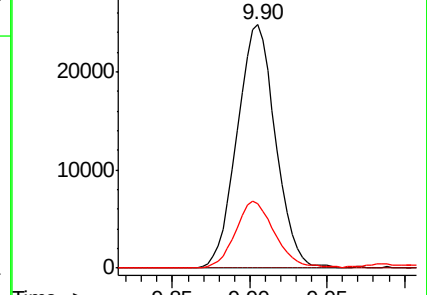
39 26.4 33.4 50.2#

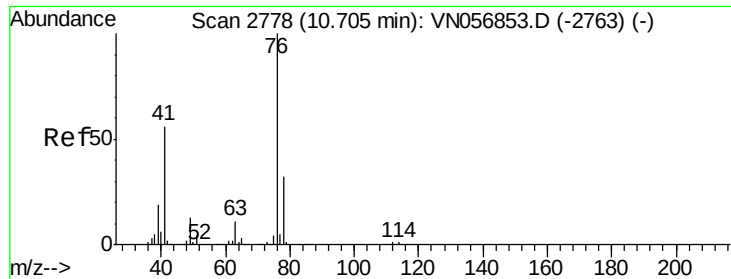


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

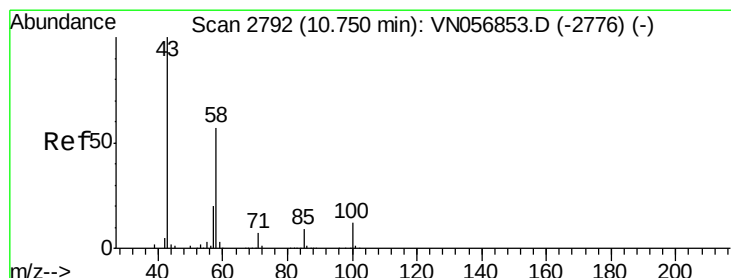
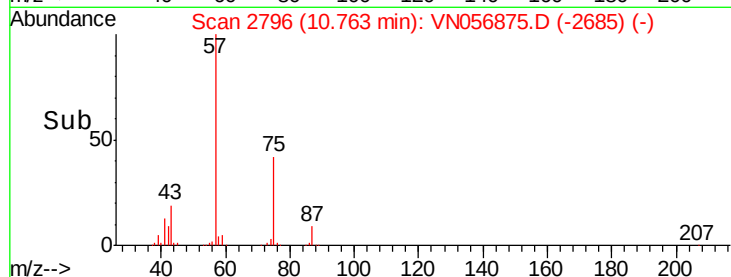
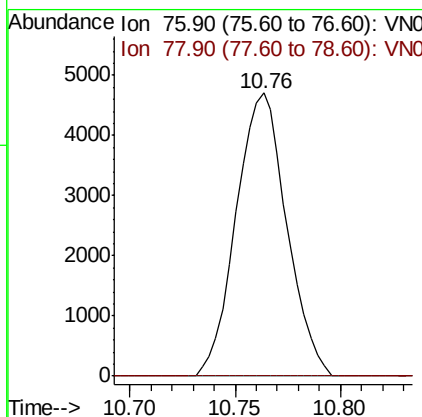
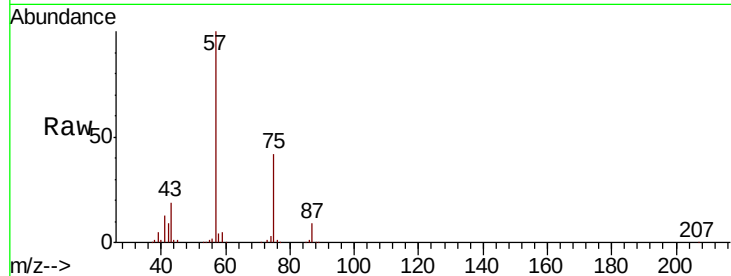




#57
 1,3-Dichloropropane
 Concen: 1.382 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.06 min
 Lab File: VN056875.D
 Acq: 23 Jul 2019 13:47

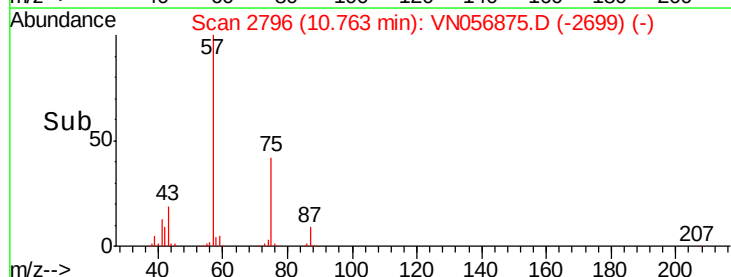
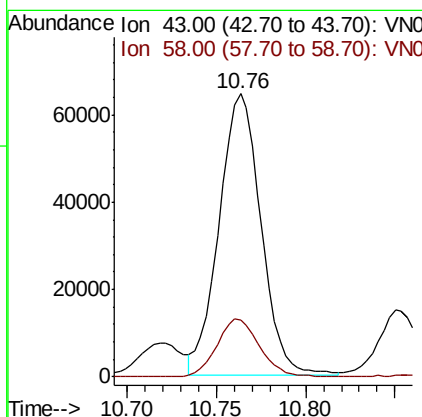
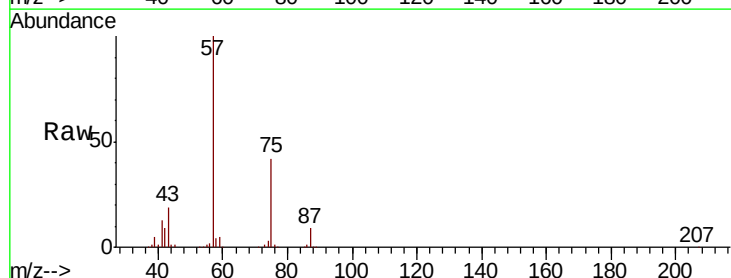
Instrument :
 MSVOA_N
 ClientSampled :
 OR-02-071919-A

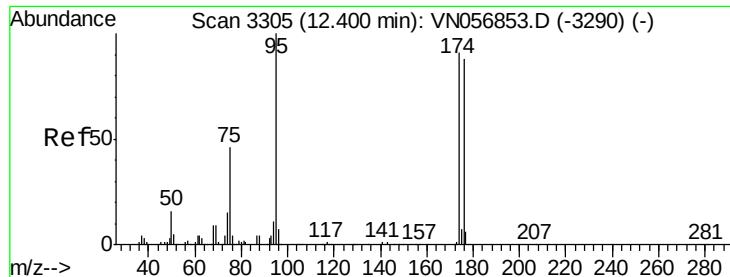
Tot Ion: 76 Resp: 7821
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.6#



#59
 2-Hexanone
 Concen: 39.996 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.01 min
 Lab File: VN056875.D
 Acq: 23 Jul 2019 13:47

Tgt Ion: 43 Resp: 105445
 Ion Ratio Lower Upper
 43 100
 58 21.0 28.3 85.0#

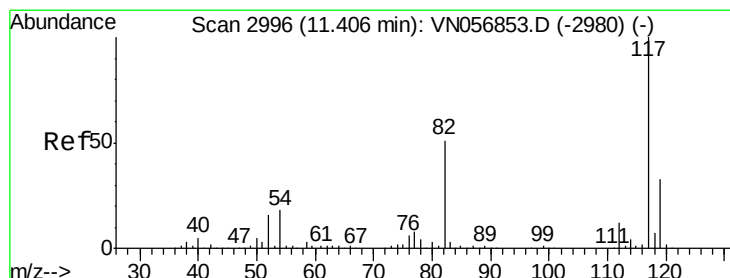
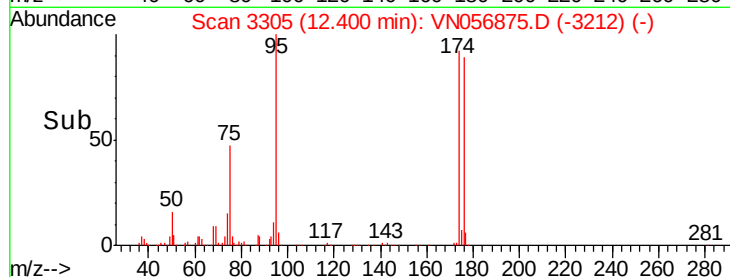
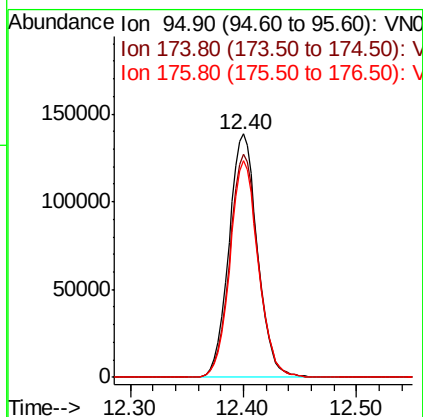
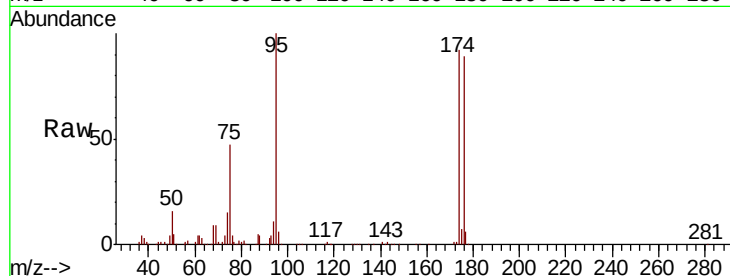




#62
4-Bromofluorobenzene
Concen: 61.292 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN056875.D
Acq: 23 Jul 2019 13:47

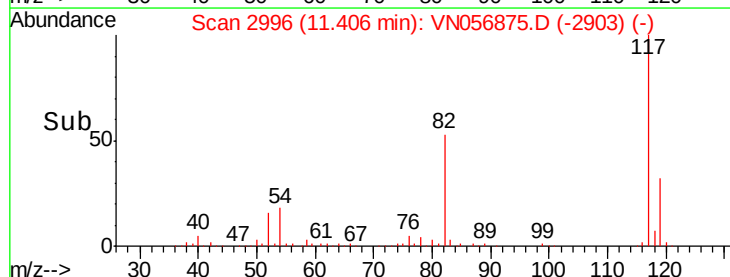
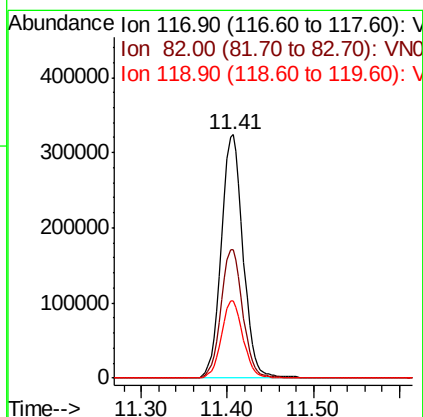
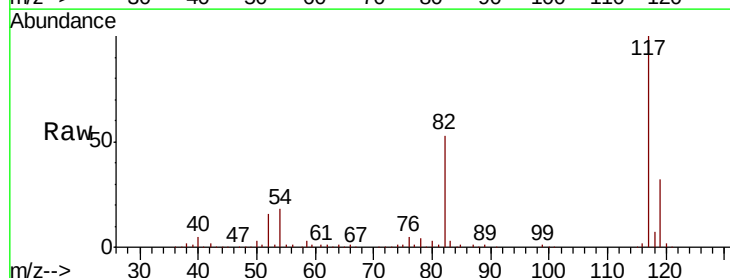
Instrument :
MSVOA_N
ClientSampleId :
OR-02-071919-A

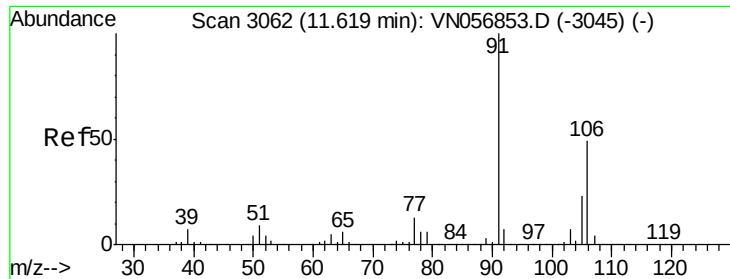
Tot Ion: 95 Resp: 242998
Ion Ratio Lower Upper
95 100
174 91.8 0.0 183.4
176 88.2 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056875.D
Acq: 23 Jul 2019 13:47

Tgt Ion: 117 Resp: 570105
Ion Ratio Lower Upper
117 100
82 52.6 41.2 61.8
119 31.8 26.4 39.6

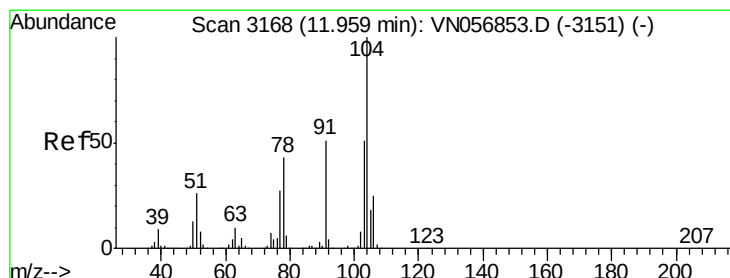
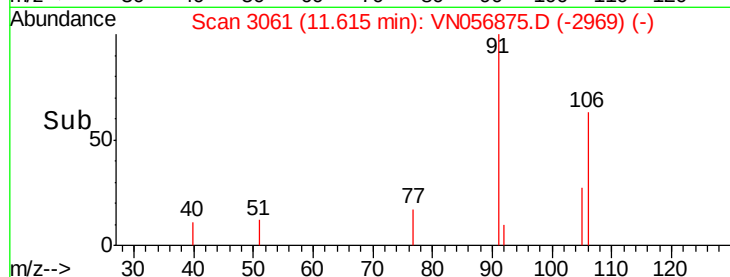
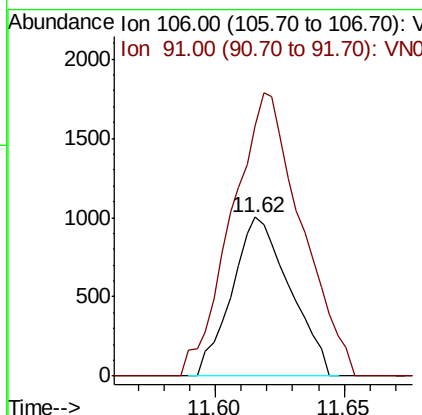
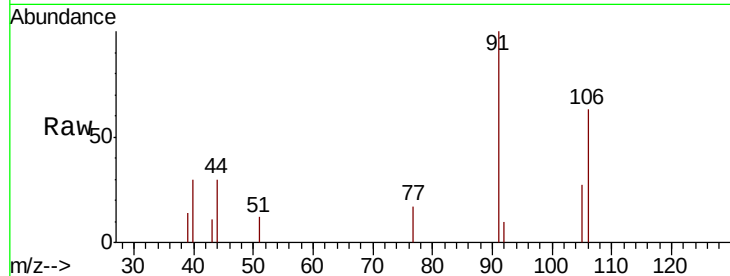




#68
m/p-Xylenes
Concen: 0.205 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN056875.D
Acq: 23 Jul 2019 13:47

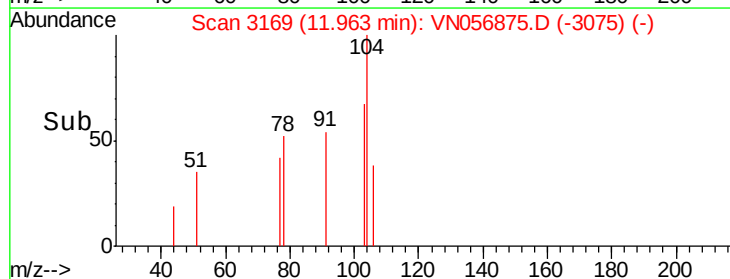
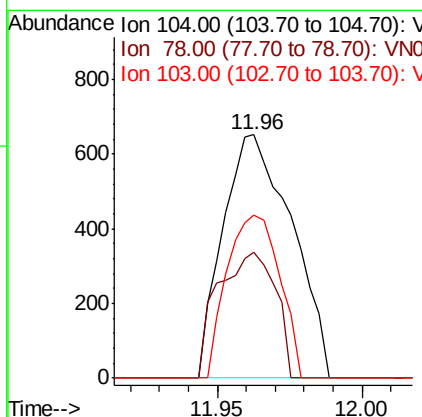
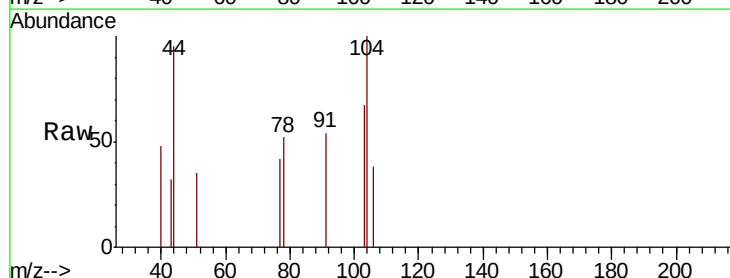
Instrument :
MSVOA_N
ClientSampleId :
OR-02-071919-A

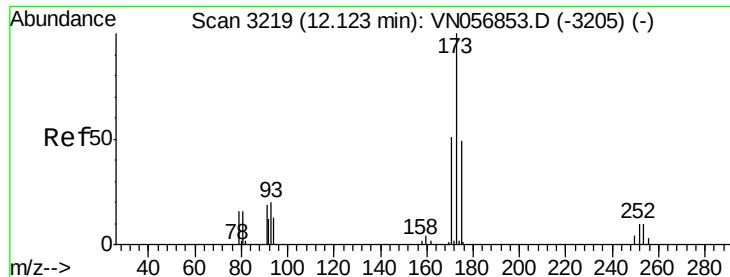
Tot Ion:106 Resp: 1570
Ion Ratio Lower Upper
106 100
91 214.1 160.5 240.7



#70
Styrene
Concen: 0.600 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056875.D
Acq: 23 Jul 2019 13:47

Tgt Ion:104 Resp: 1073
Ion Ratio Lower Upper
104 100
78 43.3 38.1 57.1
103 51.2 44.2 66.4

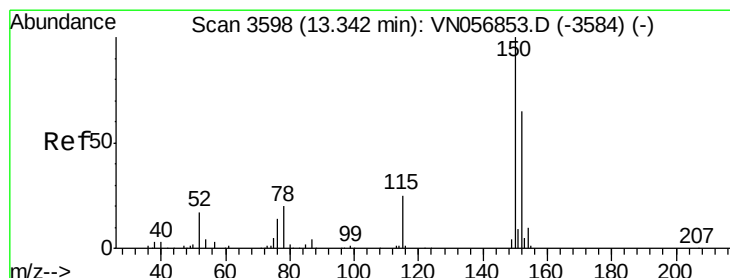
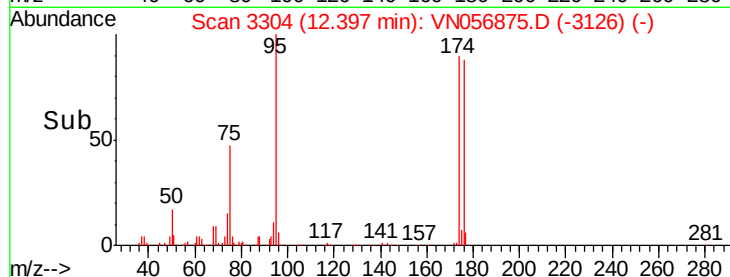
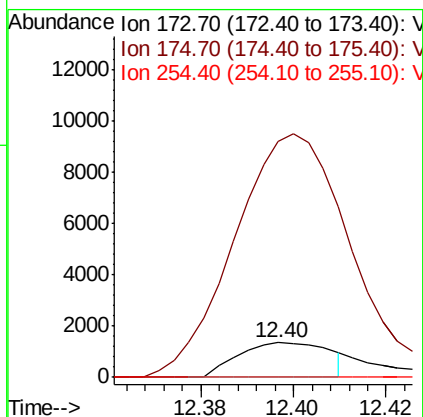
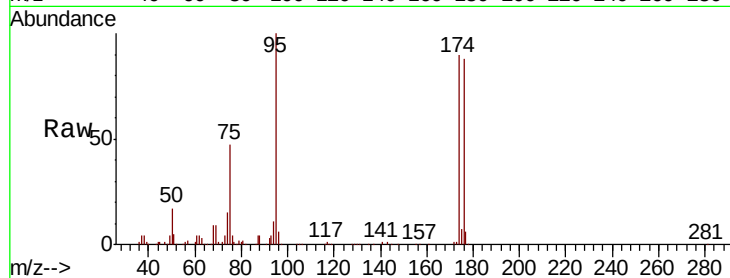




#71
Bromoform
Concen: 0.600 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.27 min
Lab File: VN056875.D
Acq: 23 Jul 2019 13:47

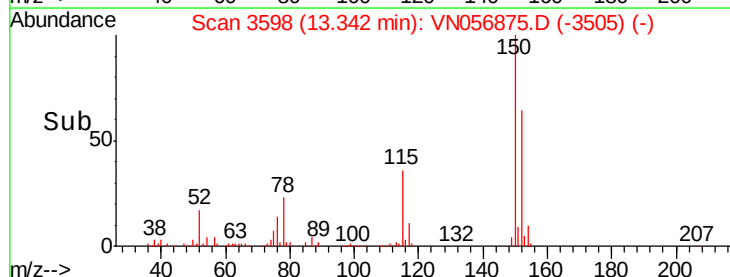
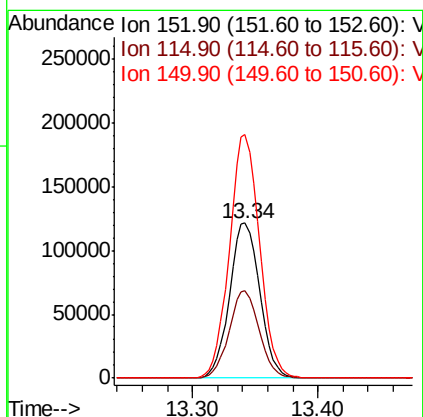
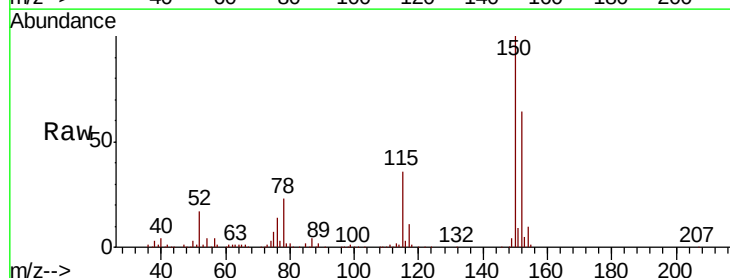
Instrument :
MSVOA_N
ClientSampleId :
OR-02-071919-A

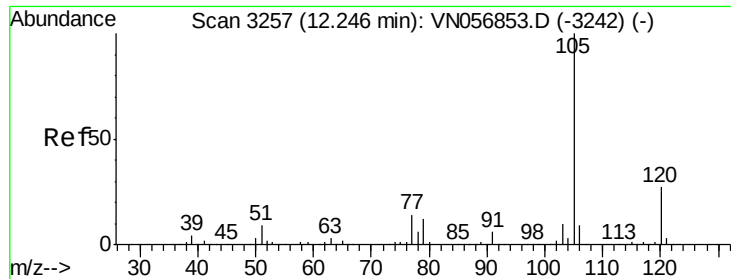
Tot Ion:173 Resp: 1856
Ion Ratio Lower Upper
173 100
175 742.6 24.1 72.3#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN056875.D
Acq: 23 Jul 2019 13:47

Tgt Ion:152 Resp: 203711
Ion Ratio Lower Upper
152 100
115 55.9 27.6 82.7
150 156.0 0.0 343.0





#73

Isopropylbenzene

Concen: Below Cal

RT: 12.25 min Scan# 3259

Delta R.T. 0.01 min

Lab File: VN056875.D

Acq: 23 Jul 2019 13:47

Instrument :

MSVOA_N

ClientSampleId :

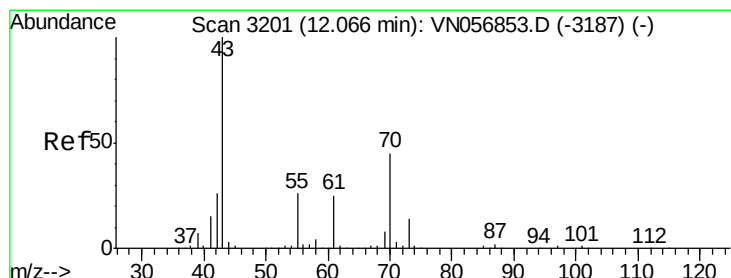
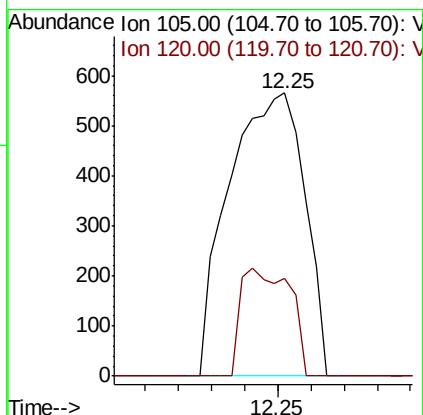
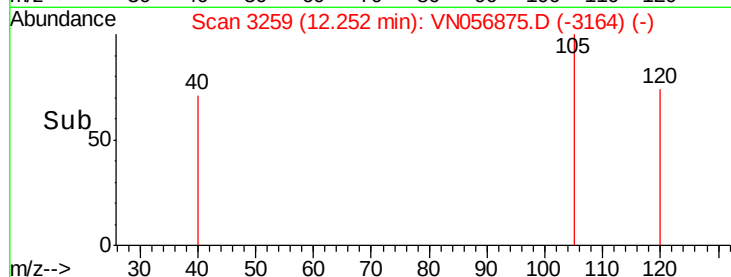
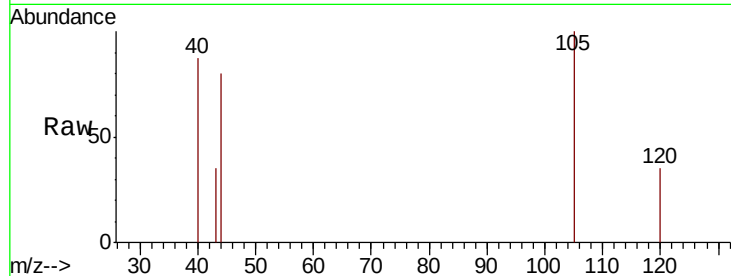
OR-02-071919-A

Tot Ion: 105 Resp: 896

Ion Ratio Lower Upper

105 100

120 24.8 13.4 40.2



#74

N-ethyl acetate

Concen: 0.256 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.01 min

Lab File: VN056875.D

Acq: 23 Jul 2019 13:47

Tgt Ion: 43 Resp: 1529

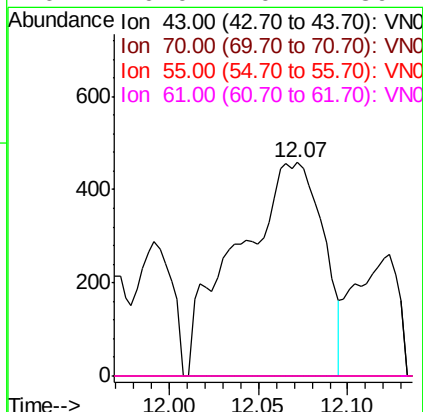
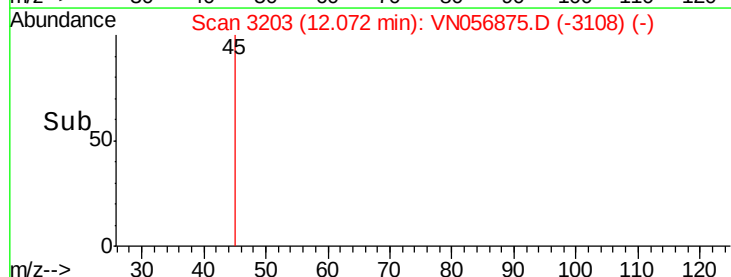
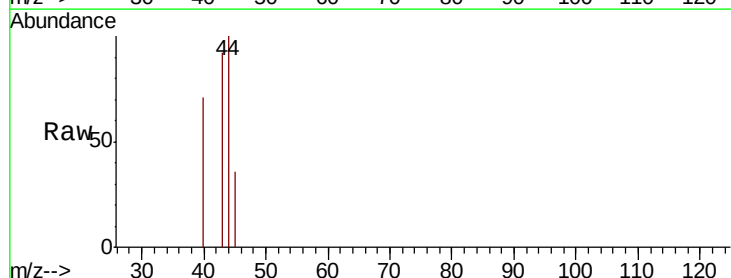
Ion Ratio Lower Upper

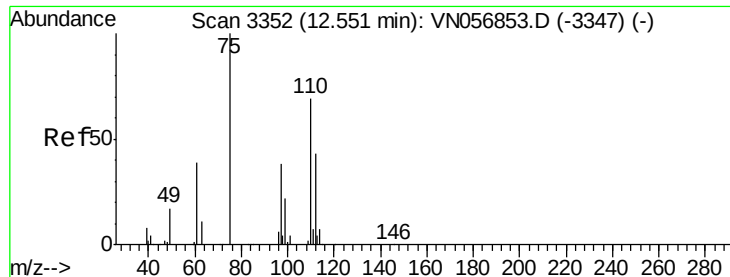
43 100

70 0.0 35.3 52.9#

55 0.0 20.6 31.0#

61 0.0 20.2 30.2#





#76

1,2,3-Trichloropropane

Concen: 26.705 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056875.D

Acq: 23 Jul 2019 13:47

Instrument :

MSVOA_N

ClientSampled :

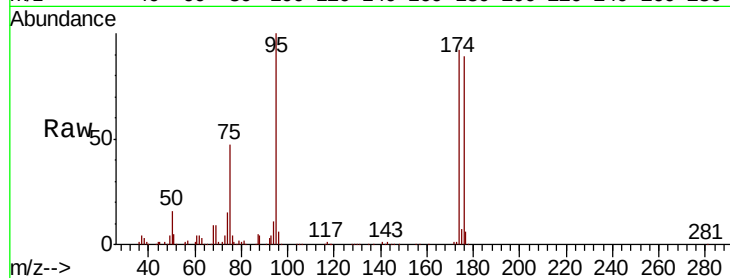
OR-02-071919-A

Tot Ion: 75 Resp: 112744

Ion Ratio Lower Upper

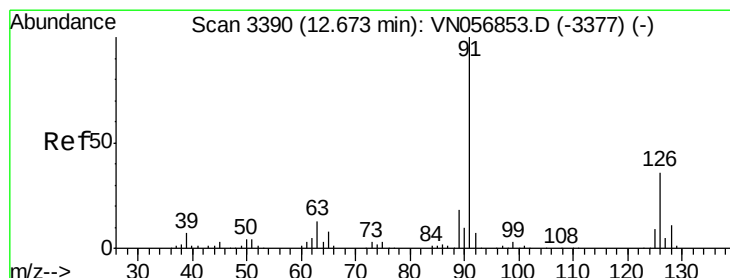
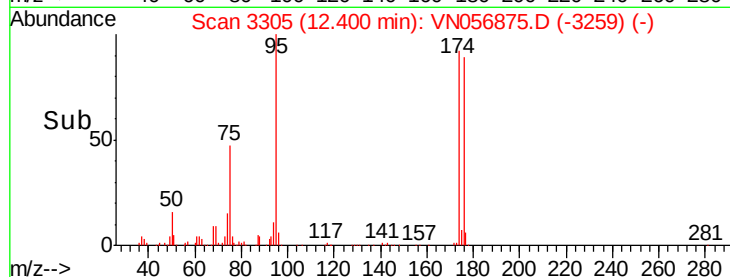
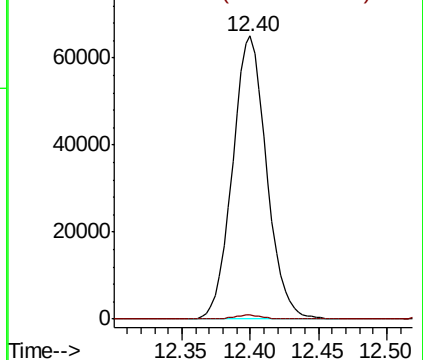
75 100

77 1.2 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: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN056875.D

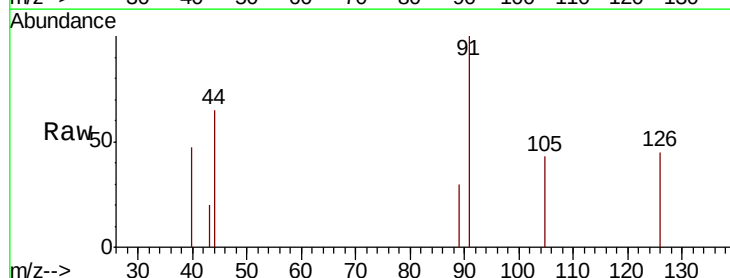
Acq: 23 Jul 2019 13:47

Tgt Ion: 91 Resp: 1405

Ion Ratio Lower Upper

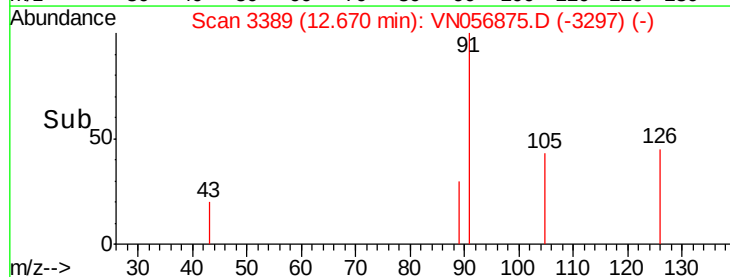
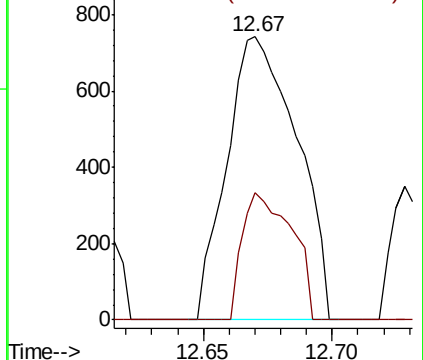
91 100

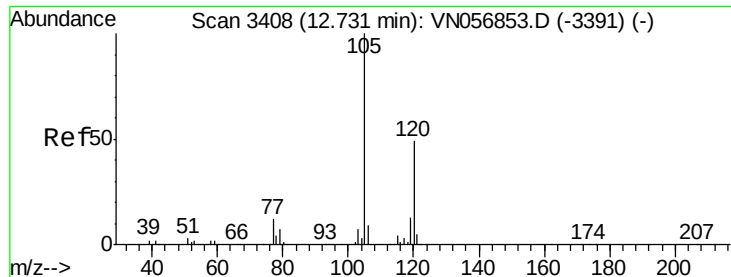
126 31.8 17.8 53.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

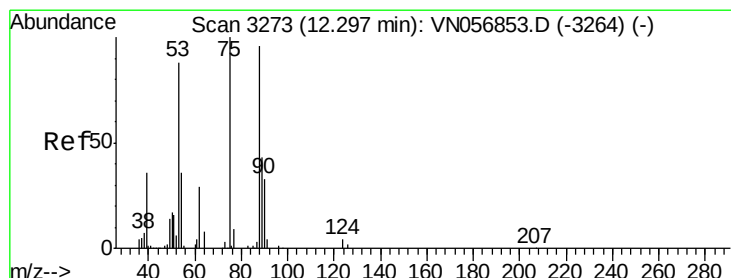
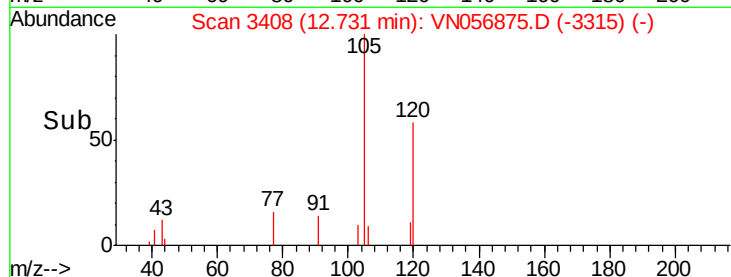
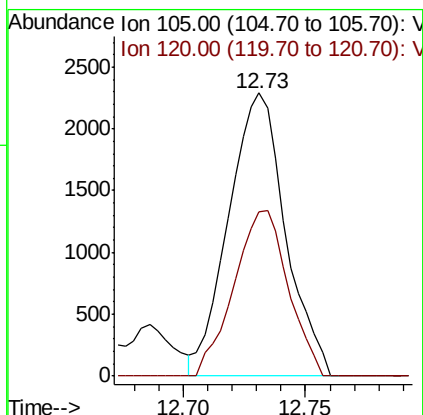
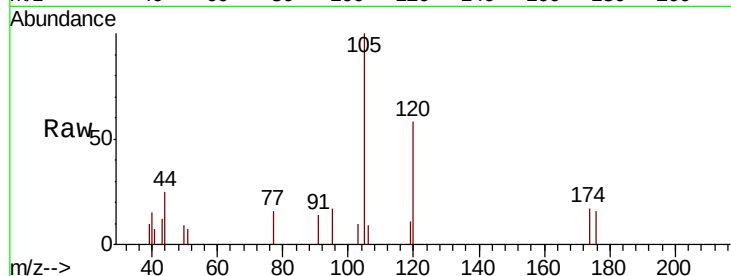




#80
 1,3,5-Trimethylbenzene
 Concen: Below Cal
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN056875.D
 Acq: 23 Jul 2019 13:47

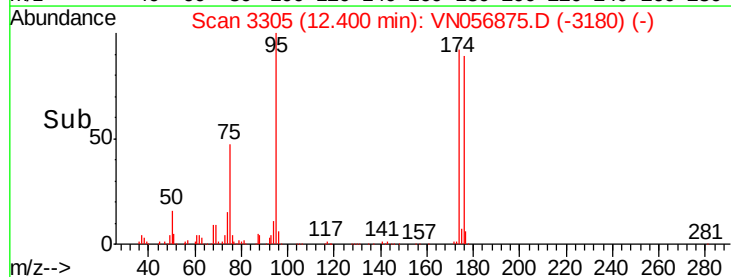
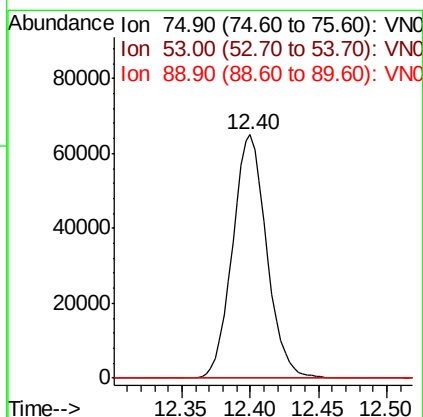
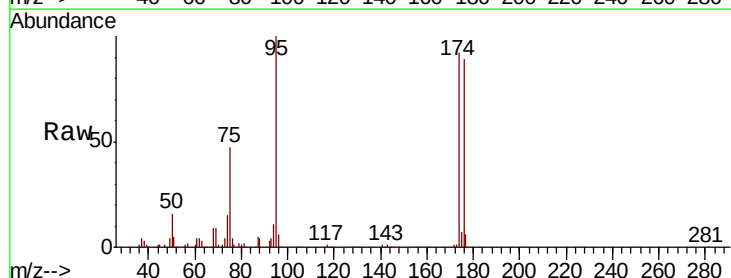
Instrument :
 MSVOA_N
 ClientSampleId :
 OR-02-071919-A

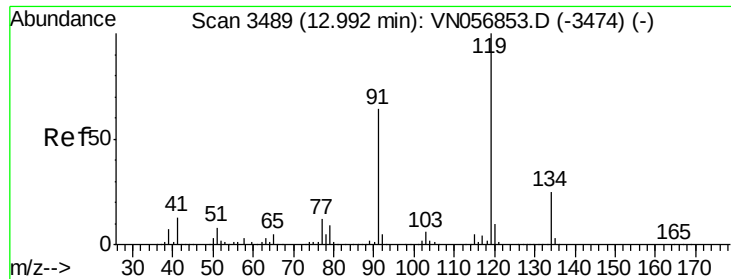
Tot Ion:105 Resp: 3692
 Ion Ratio Lower Upper
 105 100
 120 55.8 24.7 74.1



#81
 trans-1,4-Dichloro-2-butene
 Concen: 85.533 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN056875.D
 Acq: 23 Jul 2019 13:47

Tgt Ion: 75 Resp: 112744
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.3 108.5#
 89 0.1 36.2 54.4#

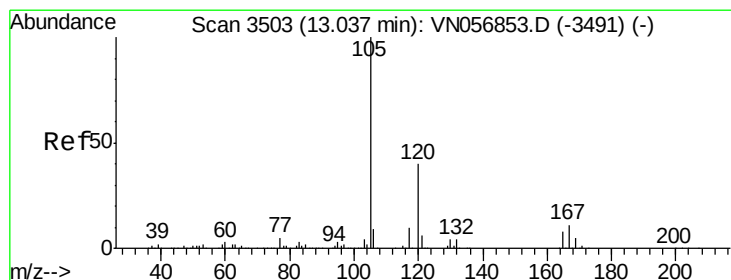
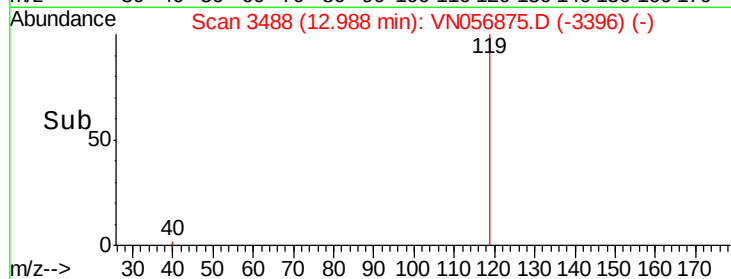
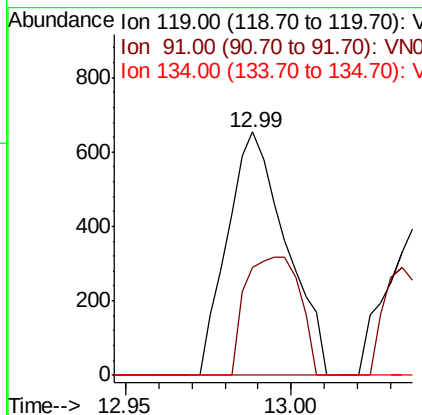
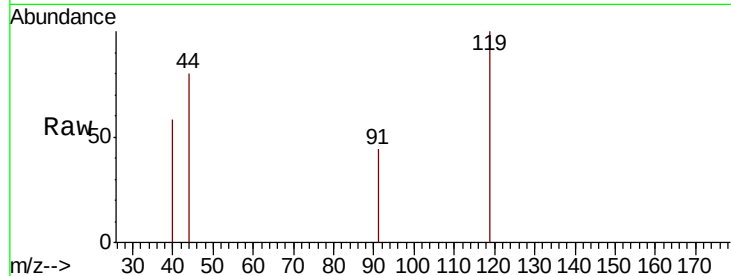




#83
 tert-Butylbenzene
 Concen: Below Cal
 RT: 12.99 min Scan# 3488
 Delta R.T. -0.00 min
 Lab File: VN056875.D
 Acq: 23 Jul 2019 13:47

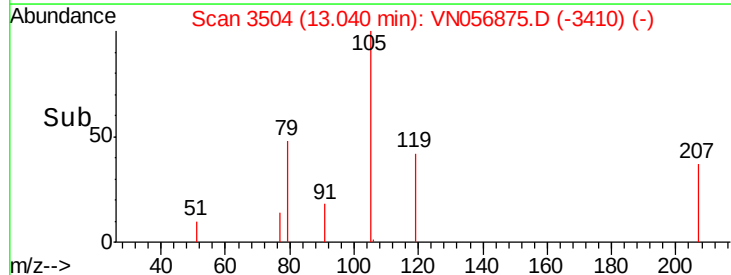
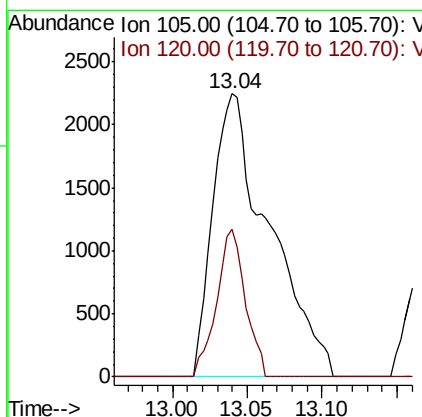
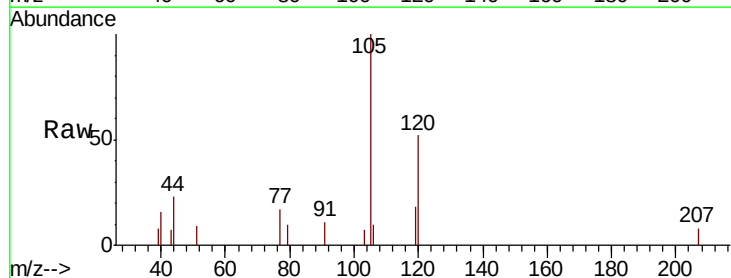
Instrument :
 MSVOA_N
 ClientSampleId :
 OR-02-071919-A

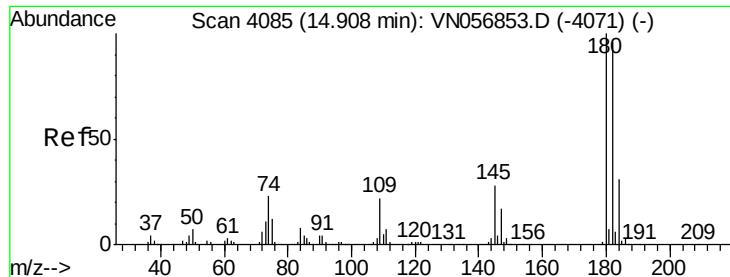
Tot Ion:119 Resp: 806
 Ion Ratio Lower Upper
 119 100
 91 44.9 31.5 94.5
 134 0.0 12.2 36.6#



#84
 1,2,4-Trimethylbenzene
 Concen: 0.419 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN056875.D
 Acq: 23 Jul 2019 13:47

Tgt Ion:105 Resp: 5915
 Ion Ratio Lower Upper
 105 100
 120 26.5 23.2 69.5

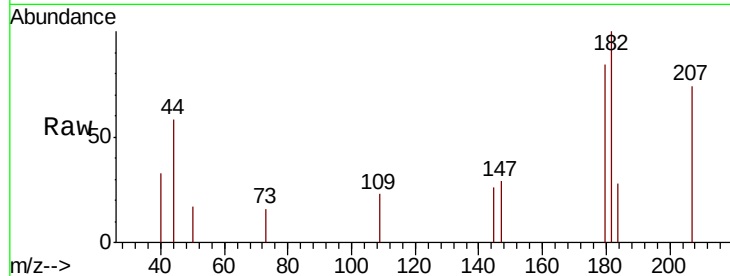




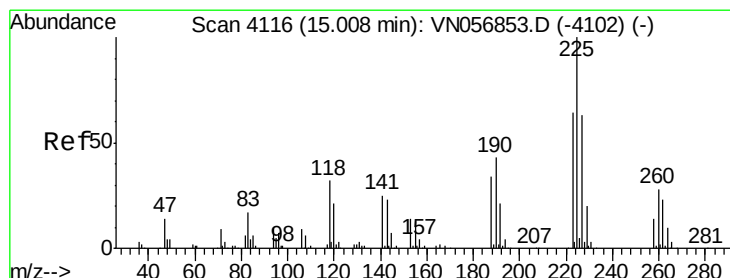
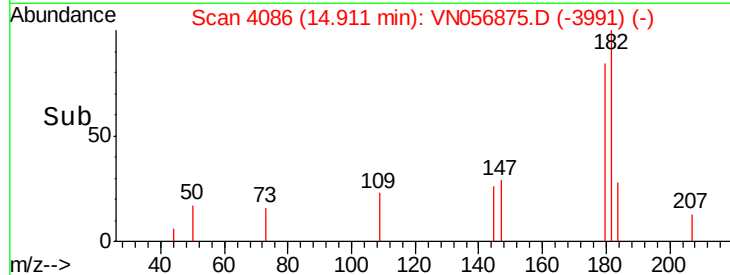
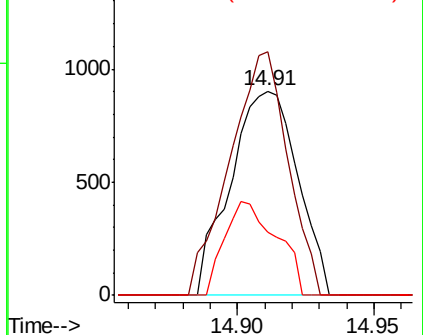
#93
 1,2,4-Trichlorobenzene
 Concen: 4.498 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN056875.D
 Acq: 23 Jul 2019 13:47

Instrument :
 MSVOA_N
 ClientSampleId :
 OR-02-071919-A

Tot Ion:180 Resp: 1545
 Ion Ratio Lower Upper
 180 100
 182 102.8 47.9 143.7
 145 35.7 14.1 42.3

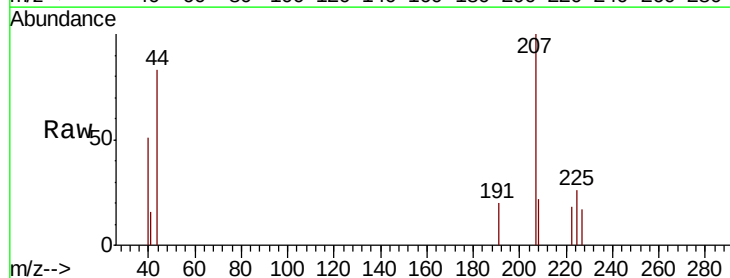


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

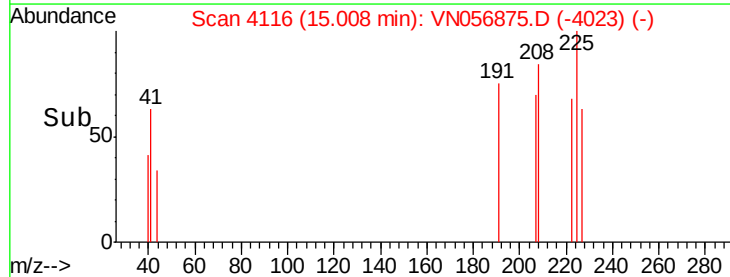
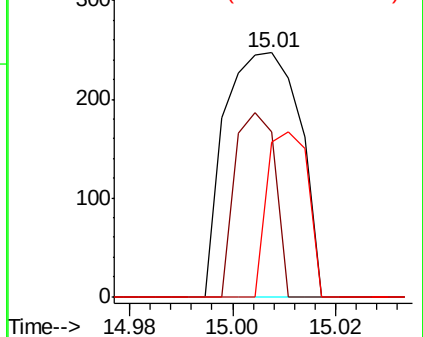


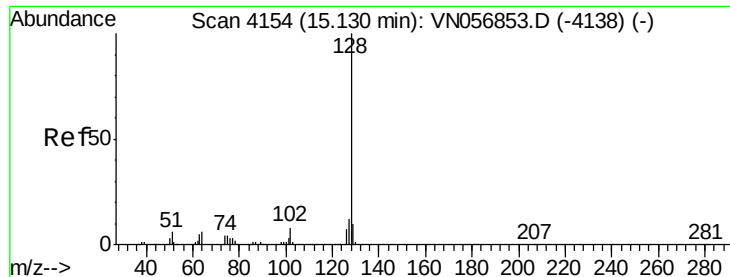
#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056875.D
 Acq: 23 Jul 2019 13:47

Tgt Ion:225 Resp: 247
 Ion Ratio Lower Upper
 225 100
 223 40.5 31.9 95.5
 227 36.8 31.7 95.1



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: 4.968 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056875.D

Acq: 23 Jul 2019 13:47

Instrument :

MSVOA_N

ClientSampleId :

OR-02-071919-A

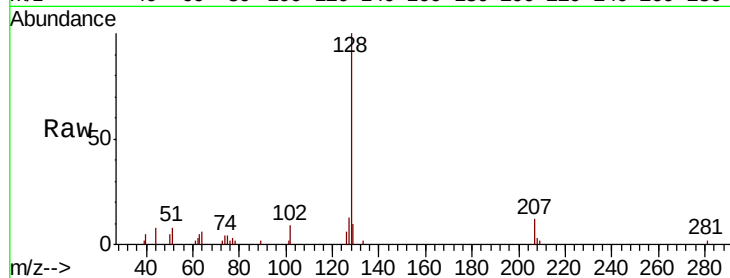
Tot Ion:128 Resp: 14345

Ion Ratio Lower Upper

128 100

127 11.9 10.2 15.2

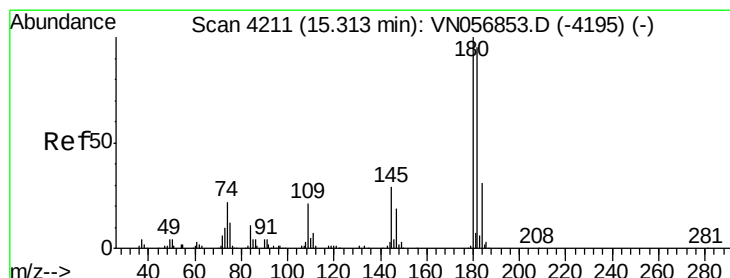
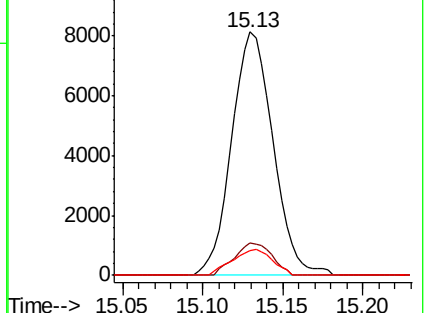
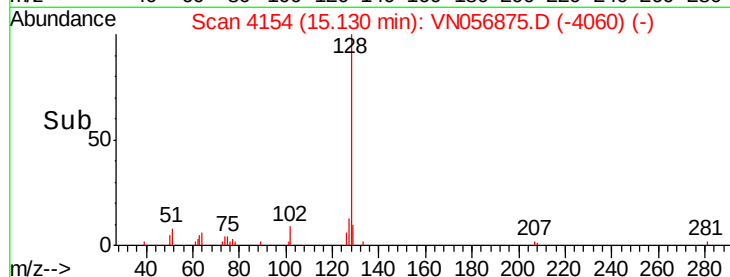
129 10.3 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 3.015 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056875.D

Acq: 23 Jul 2019 13:47

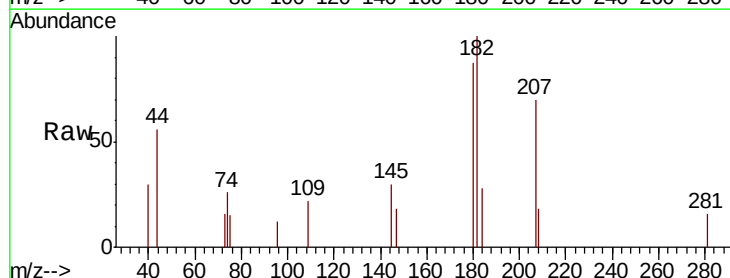
Tgt Ion:180 Resp: 2252

Ion Ratio Lower Upper

180 100

182 103.3 48.1 144.3

145 27.3 14.7 44.1



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

