

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031720\
 Data File : VN060554.D
 Acq On : 17 Mar 2020 14:18
 Operator : JC/MD
 Sample : L1759-15
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 OR-02-031620

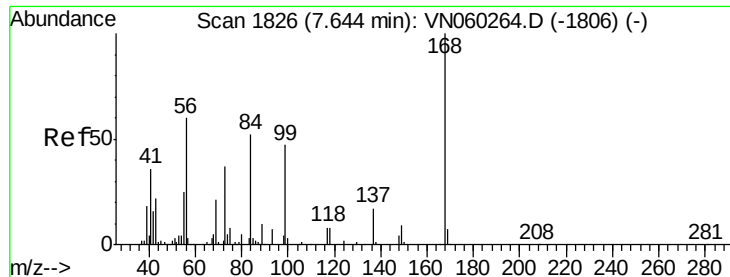
Quant Time: Mar 18 06:43:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	206538	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	344418	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	323780	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	147774	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	135036	50.96	ug/l	0.00
Spiked Amount			Recovery	=	101.92%	
35) Dibromofluoromethane	7.56	113	102208	63.93	ug/l	0.00
Spiked Amount			Recovery	=	127.86%	
50) Toluene-d8	10.08	98	424077	52.41	ug/l	0.00
Spiked Amount			Recovery	=	104.82%	
62) 4-Bromofluorobenzene	12.40	95	158386	51.64	ug/l	0.00
Spiked Amount			Recovery	=	103.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	98867	115.534	ug/l	99
18) Methyl Acetate	4.30	43	2214	0.775	ug/l #	64
20) Methylene Chloride	4.53	84	8331	3.545	ug/l	98
25) 2-Butanone	6.81	43	1661	1.202	ug/l #	49
31) Cyclohexane	7.64	56	4320	Below Cal	#	1
36) 1,1-Dichloropropene	7.64	75	16271	4.957	ug/l #	49
38) Carbon Tetrachloride	7.64	117	20205	6.322	ug/l #	16
43) Isopropyl Acetate	8.14	43	62350	11.459	ug/l #	90
45) 1,2-Dichloropropane	9.25	63	1059	0.424	ug/l #	44
48) Methyl methacrylate	9.16	41	3290	1.326	ug/l #	13
51) 4-Methyl-2-Pentanone	9.97	43	5674	1.839	ug/l	97
54) cis-1,3-Dichloropropene	9.89	75	27214	6.502	ug/l #	57
56) Ethyl methacrylate	10.54	69	699	0.202	ug/l #	1
57) 1,3-Dichloropropane	10.75	76	4156	1.056	ug/l #	42
59) 2-Hexanone	10.75	43	61377	27.096	ug/l #	51
74) N-amyl acetate	12.02	43	3010	0.629	ug/l #	44
76) 1,2,3-Trichloropropane	12.40	75	79844	24.627	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	79844	67.981	ug/l #	8
87) 1,3-Dichlorobenzene	13.28	146	141	Below Cal	#	25
88) 1,4-Dichlorobenzene	13.28	146	141	Below Cal	#	25
95) Naphthalene	15.13	128	1138	Below Cal	#	69

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060554.D

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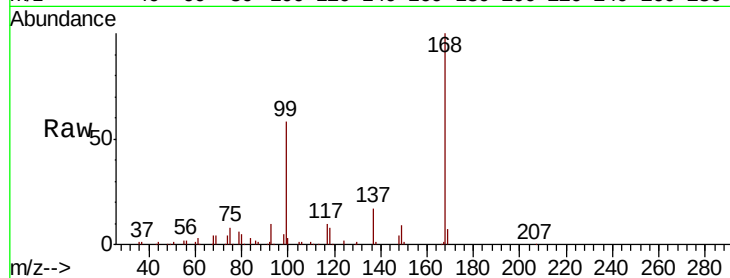
OR-02-031620

Tot Ion:168 Resp: 206538

Ion Ratio Lower Upper

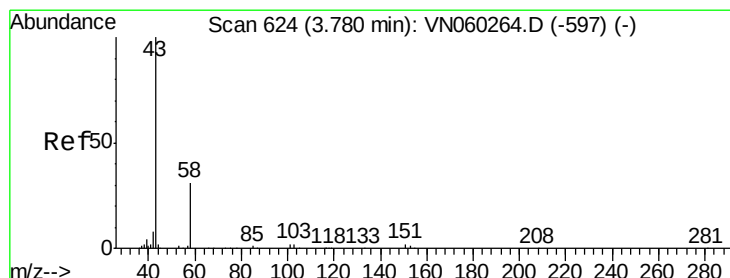
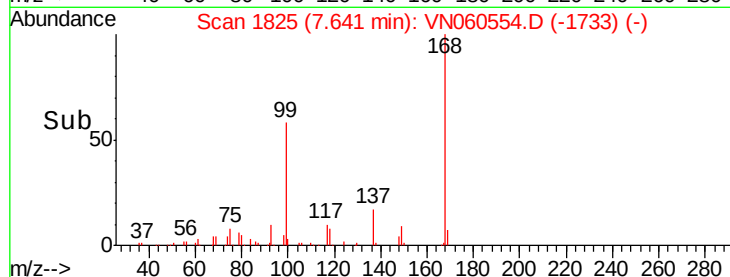
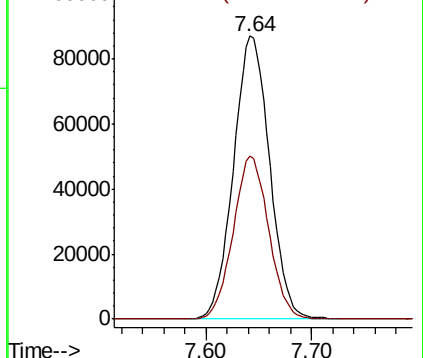
168 100

99 57.7 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): VN060264.D (-1806) (-)

Ion 98.90 (98.60 to 99.60): VN060264.D (-1806) (-)



#16

Acetone

Concen: 115.534 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.00 min

Lab File: VN060554.D

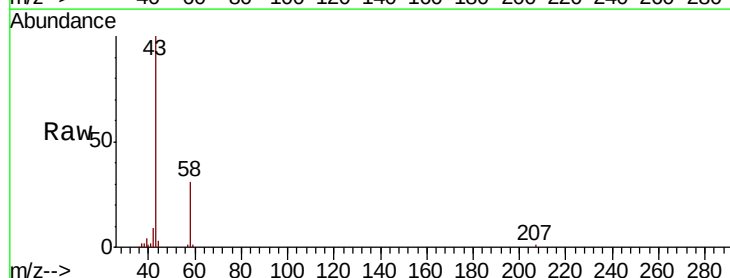
Acq: 17 Mar 2020 14:18

Tgt Ion: 43 Resp: 98867

Ion Ratio Lower Upper

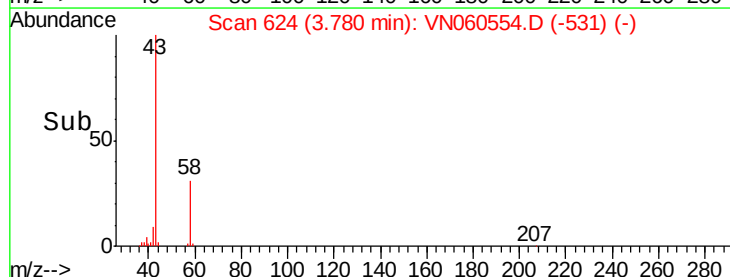
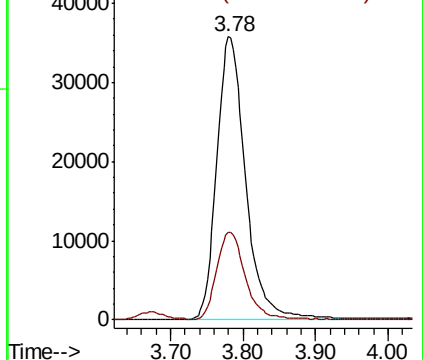
43 100

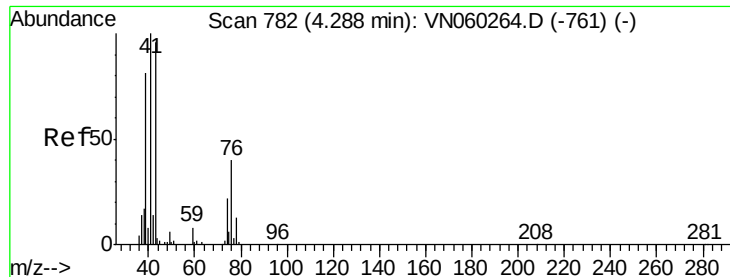
58 31.0 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VN060264.D (-597) (-)

Ion 58.00 (57.70 to 58.70): VN060264.D (-597) (-)

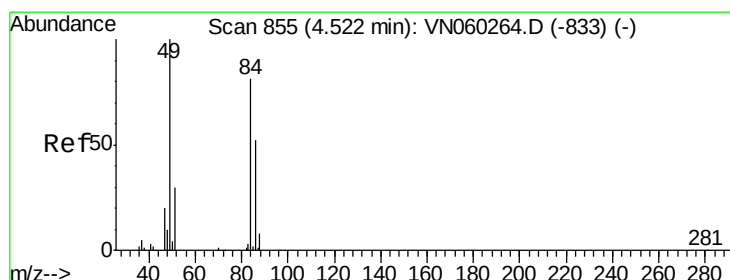
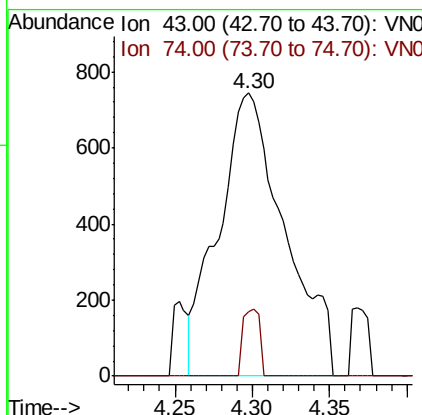
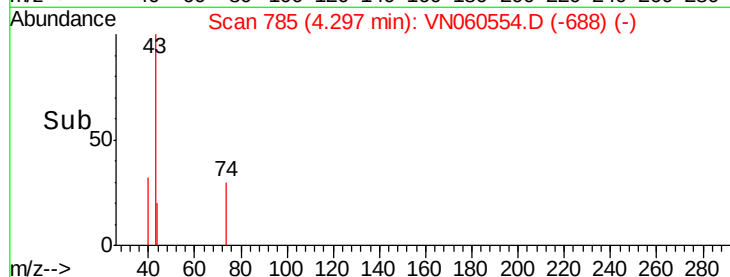
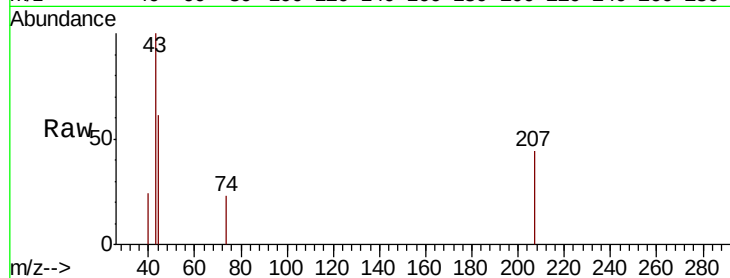




#18
Methyl Acetate
Concen: 0.775 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.01 min
Lab File: VN060554.D
Acq: 17 Mar 2020 14:18

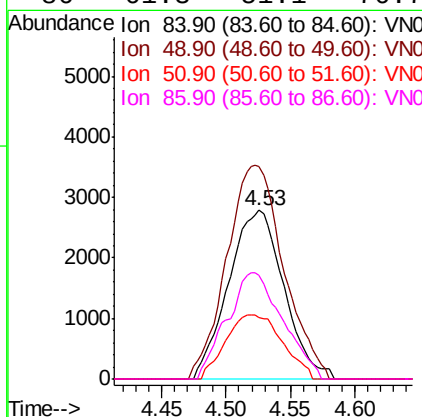
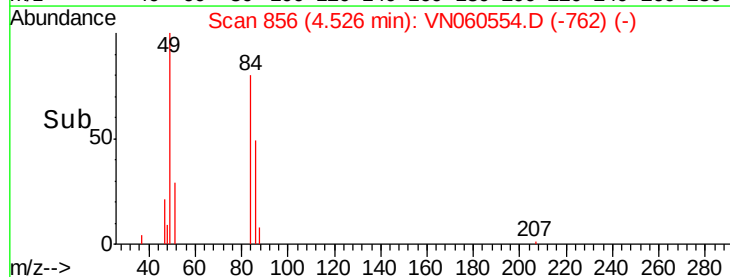
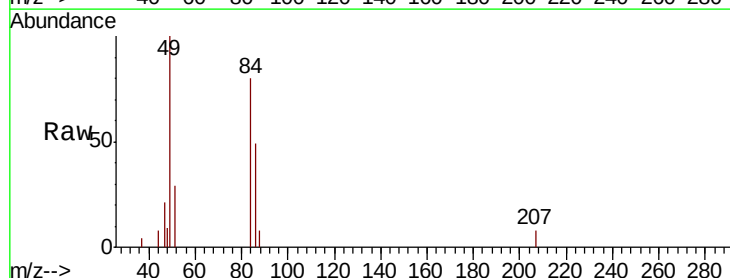
Instrument :
MSVOA_N
ClientSampleId :
OR-02-031620

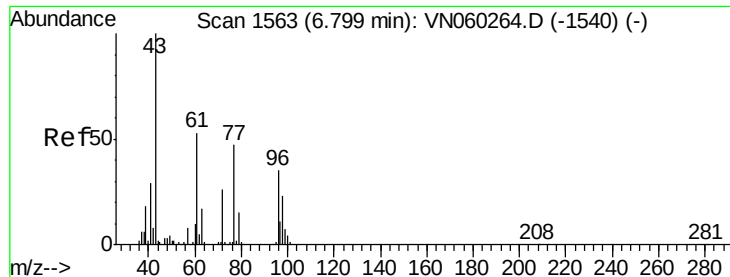
Tot Ion: 43 Resp: 2214
Ion Ratio Lower Upper
43 100
74 5.8 18.8 28.2#



#20
Methylene Chloride
Concen: 3.545 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN060554.D
Acq: 17 Mar 2020 14:18

Tgt Ion: 84 Resp: 8331
Ion Ratio Lower Upper
84 100
49 125.7 99.3 148.9
51 36.4 30.1 45.1
86 61.3 51.1 76.7

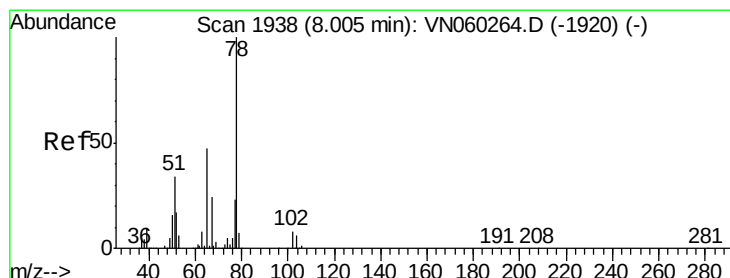
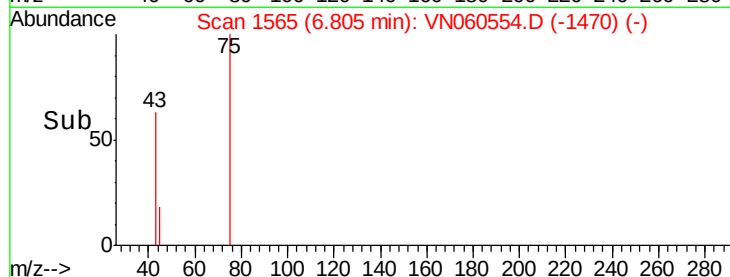
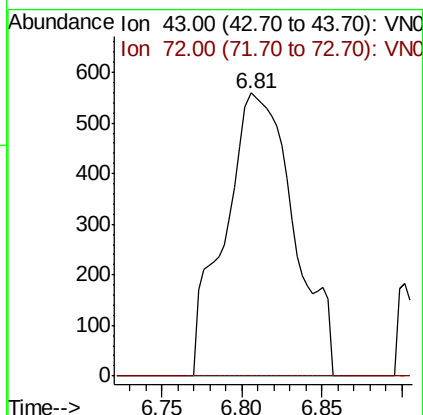
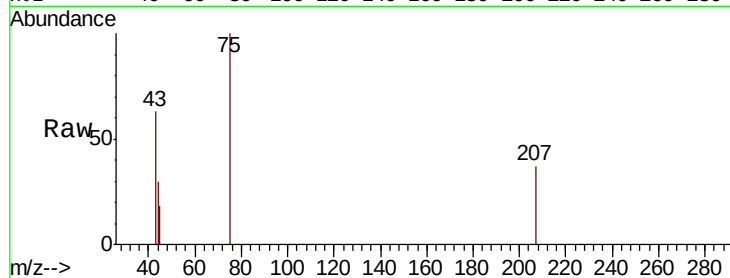




#25
 2-Butanone
 Concen: 1.202 ug/l
 RT: 6.81 min Scan# 1565
 Delta R.T. 0.01 min
 Lab File: VN060554.D
 Acq: 17 Mar 2020 14:18

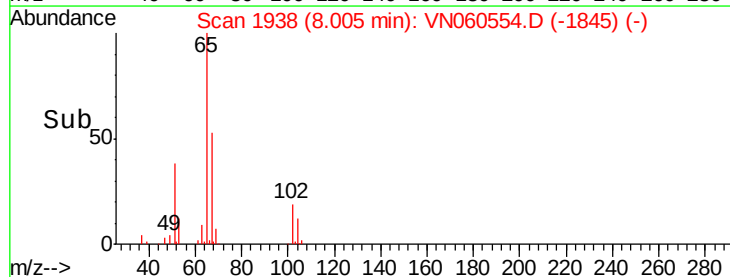
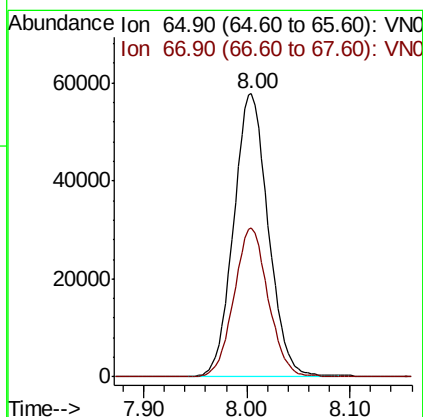
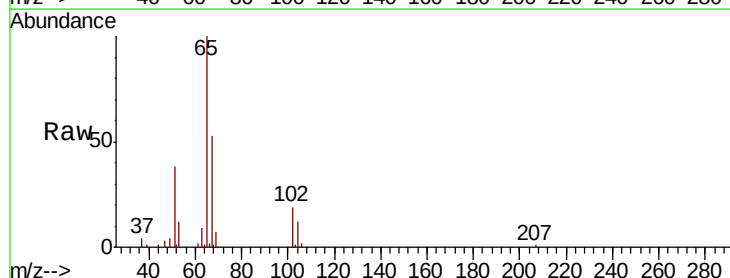
Instrument :
 MSVOA_N
 ClientSampled :
 OR-02-031620

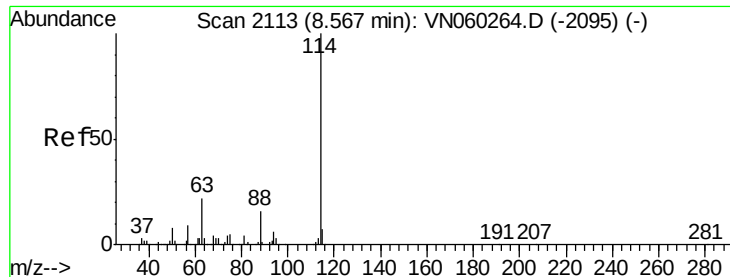
Tot Ion: 43 Resp: 1661
 Ion Ratio Lower Upper
 43 100
 72 0.0 20.9 31.3#



#33
 1,2-Dichloroethane-d4
 Concen: 50.959 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN060554.D
 Acq: 17 Mar 2020 14:18

Tgt Ion: 65 Resp: 135036
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 103.8

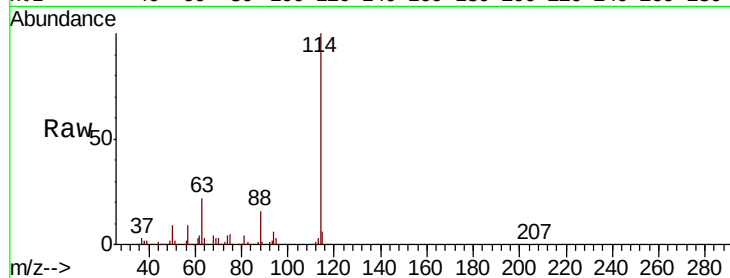




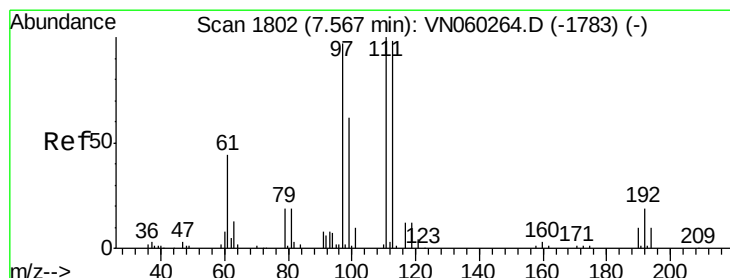
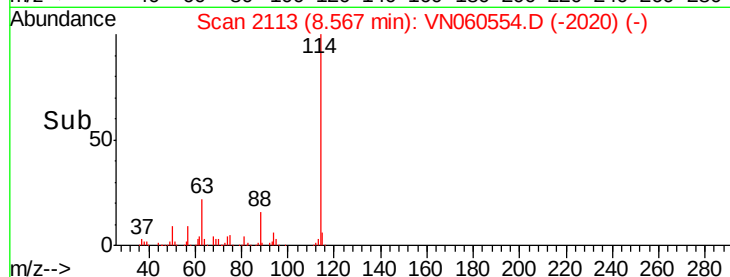
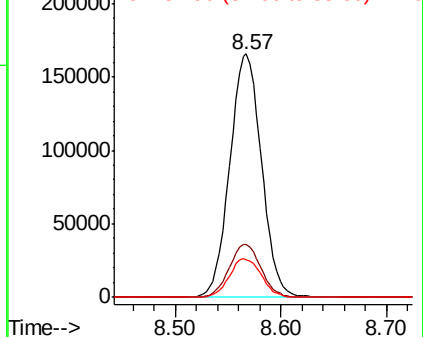
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.57 min Scan# 2113
Delta R.T. 0.00 min
Lab File: VN060554.D
Acq: 17 Mar 2020 14:18

Instrument :
MSVOA_N
ClientSampleId :
OR-02-031620

Tot Ion:114 Resp: 344418
Ion Ratio Lower Upper
114 100
63 21.9 0.0 43.2
88 15.6 0.0 31.6

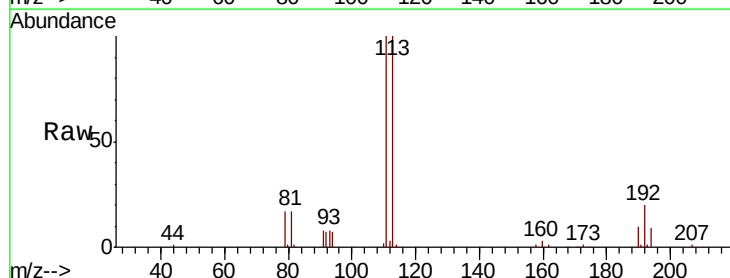


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

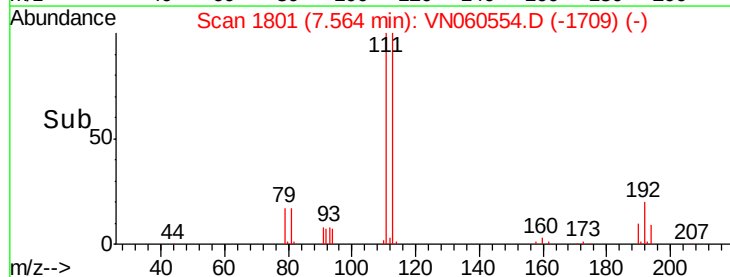
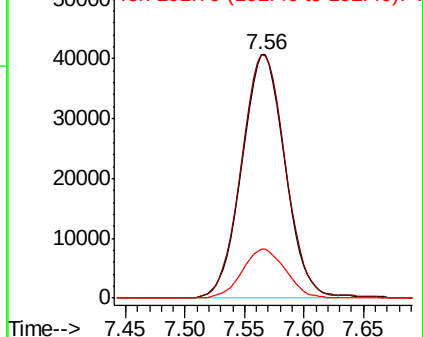


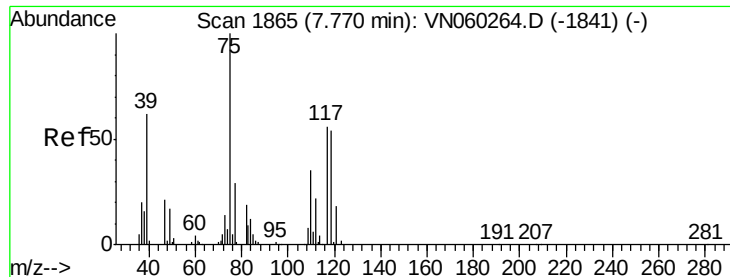
#35
Dibromofluoromethane
Concen: 63.933 ug/l
RT: 7.56 min Scan# 1801
Delta R.T. -0.00 min
Lab File: VN060554.D
Acq: 17 Mar 2020 14:18

Tgt Ion:113 Resp: 102208
Ion Ratio Lower Upper
113 100
111 101.7 82.4 123.6
192 20.2 16.2 24.2



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.957 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.13 min

Lab File: VN060554.D

Acq: 17 Mar 2020 14:18

Instrument :

MSVOA_N

ClientSampleId :

OR-02-031620

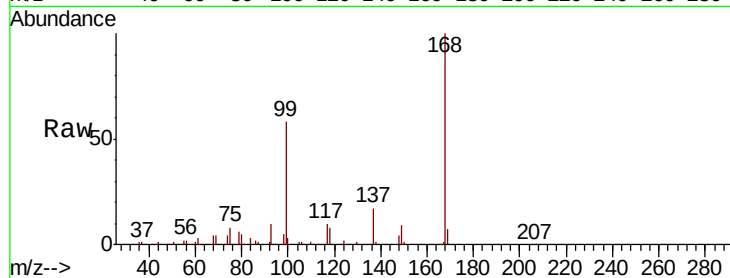
Tot Ion: 75 Resp: 16271

Ion Ratio Lower Upper

75 100

110 7.8 17.3 52.0#

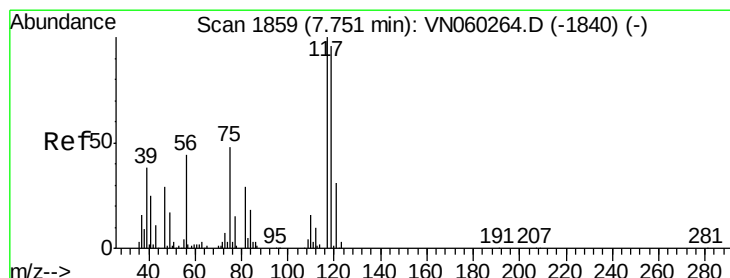
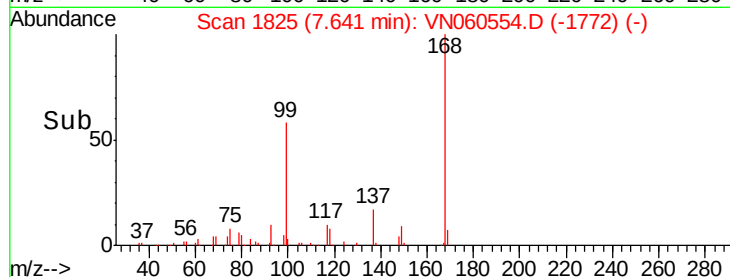
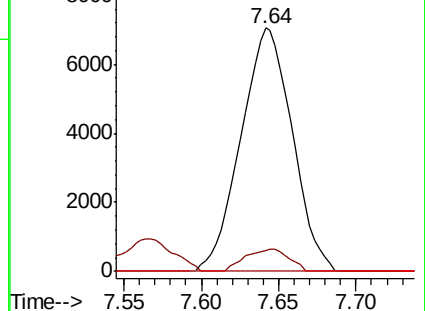
77 0.0 24.2 36.2#



Abundance Ion 74.90 (74.60 to 75.60): VN060554.D (-1772) (-)

Ion 109.90 (109.60 to 110.60): VN060554.D (-1772) (-)

Ion 76.90 (76.60 to 77.60): VN060554.D (-1772) (-)



#38

Carbon Tetrachloride

Concen: 6.322 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN060554.D

Acq: 17 Mar 2020 14:18

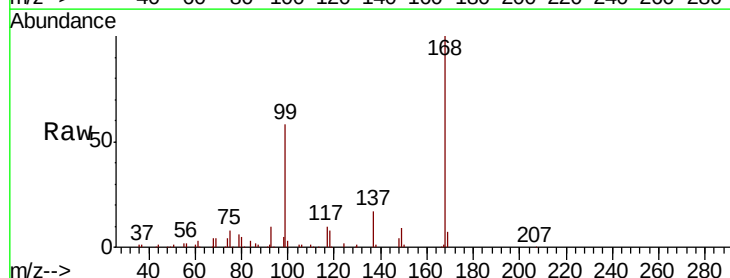
Tgt Ion: 117 Resp: 20205

Ion Ratio Lower Upper

117 100

119 4.9 76.7 115.1#

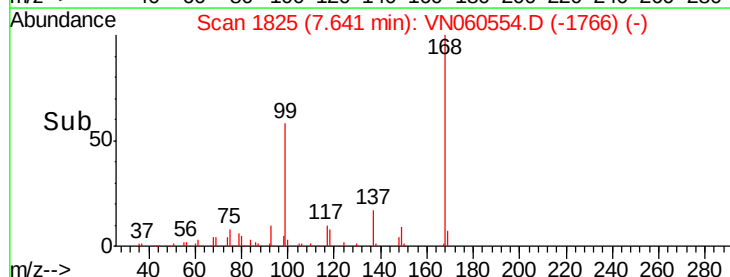
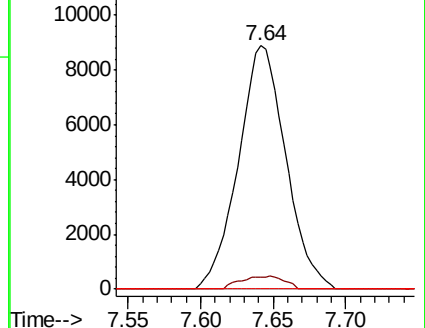
121 0.0 24.5 36.7#

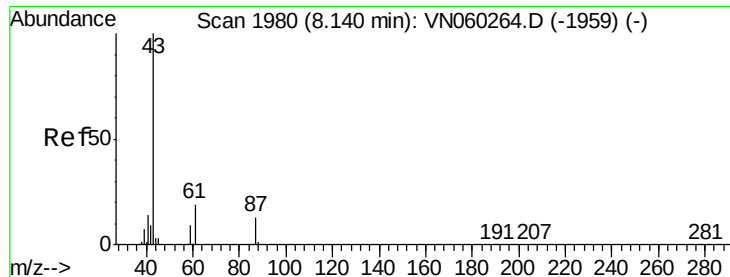


Abundance Ion 116.80 (116.50 to 117.50): VN060554.D (-1766) (-)

Ion 118.80 (118.50 to 119.50): VN060554.D (-1766) (-)

Ion 120.80 (120.50 to 121.50): VN060554.D (-1766) (-)





#43

Isopropyl Acetate

Concen: 11.459 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060554.D

Acq: 17 Mar 2020 14:18

Instrument :

MSVOA_N

ClientSampleId :

OR-02-031620

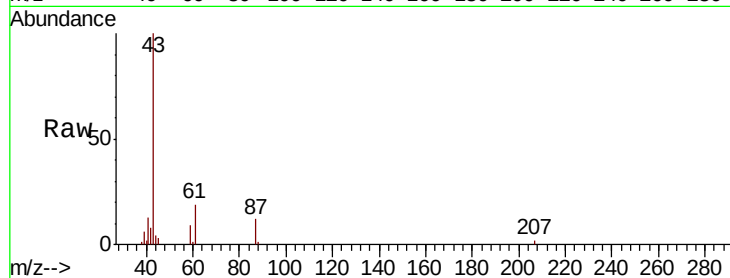
Tot Ion: 43 Resp: 62350

Ion Ratio Lower Upper

43 100

61 19.1 20.9 31.3#

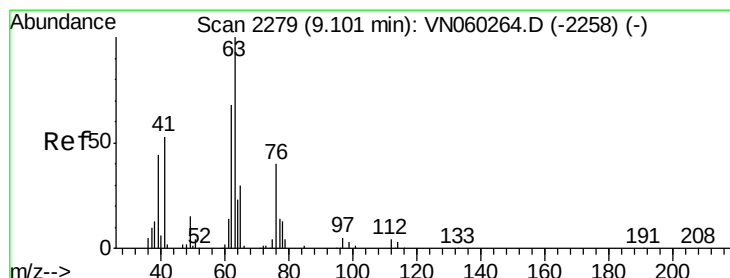
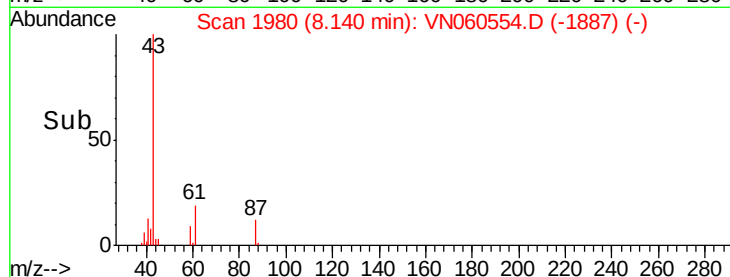
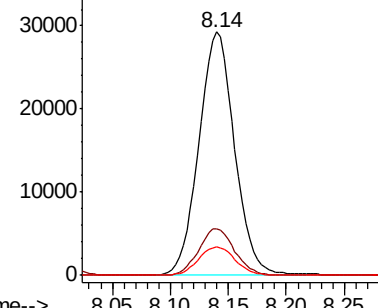
87 11.9 10.6 16.0



Abundance Ion 43.00 (42.70 to 43.70): VN060264.D (-1959) (-)

Ion 61.00 (60.70 to 61.70): VN060264.D (-1959) (-)

Ion 87.00 (86.70 to 87.70): VN060264.D (-1959) (-)



#45

1,2-Dichloropropane

Concen: 0.424 ug/l

RT: 9.25 min Scan# 2325

Delta R.T. 0.15 min

Lab File: VN060554.D

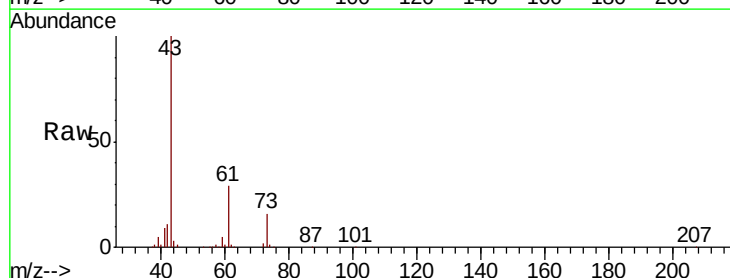
Acq: 17 Mar 2020 14:18

Tgt Ion: 63 Resp: 1059

Ion Ratio Lower Upper

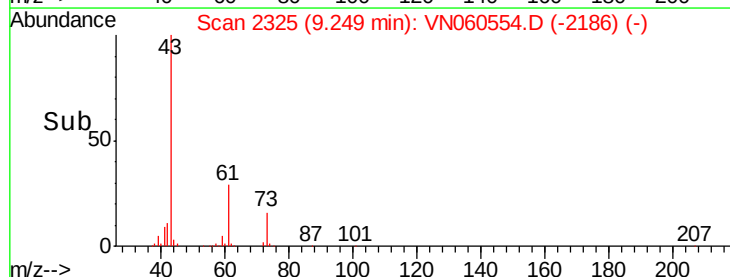
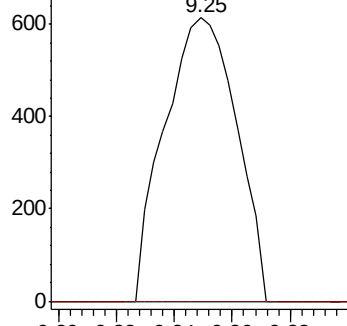
63 100

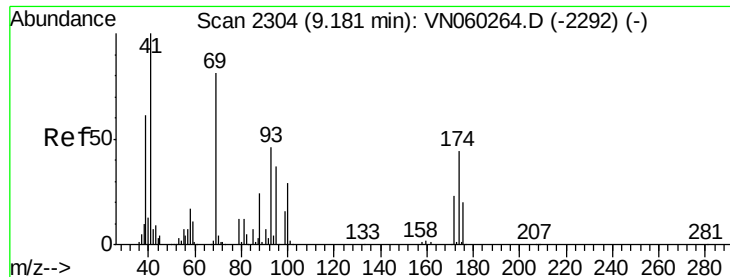
65 0.0 24.4 36.6#



Abundance Ion 62.90 (62.60 to 63.60): VN060264.D (-2258) (-)

Ion 64.90 (64.60 to 65.60): VN060264.D (-2258) (-)

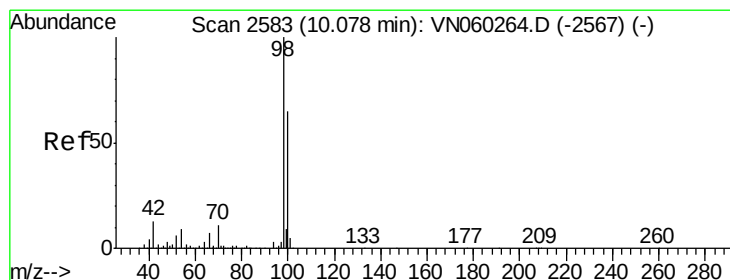
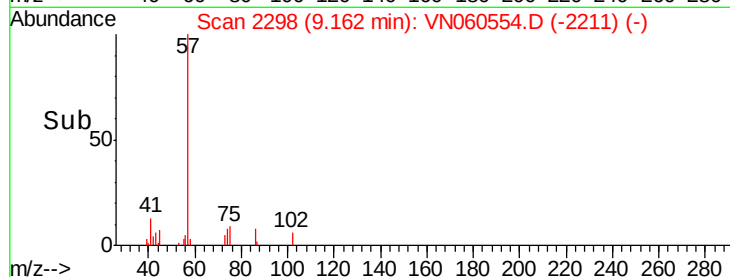
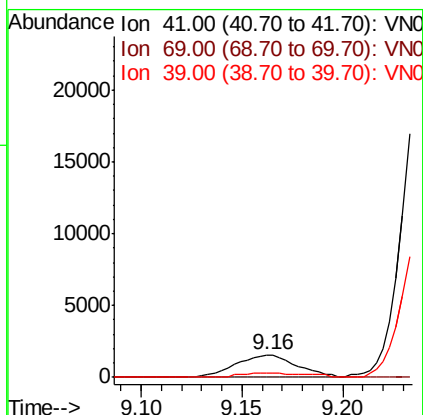
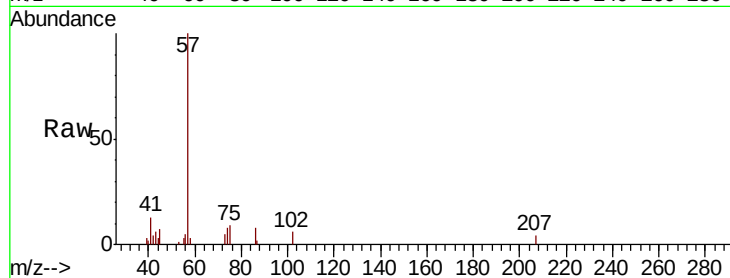




#48
Methvl methacrylate
Concen: 1.326 ug/l
RT: 9.16 min Scan# 2298
Delta R.T. -0.02 min
Lab File: VN060554.D
Acq: 17 Mar 2020 14:18

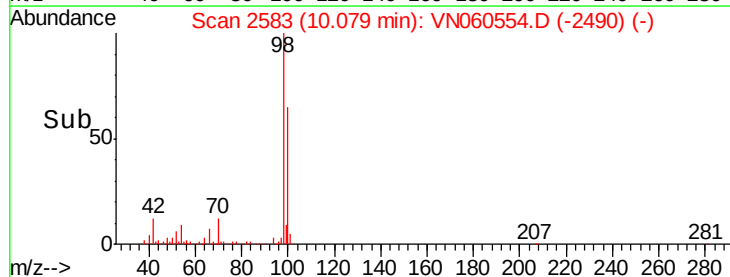
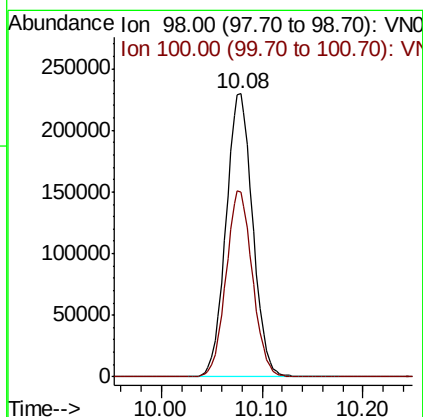
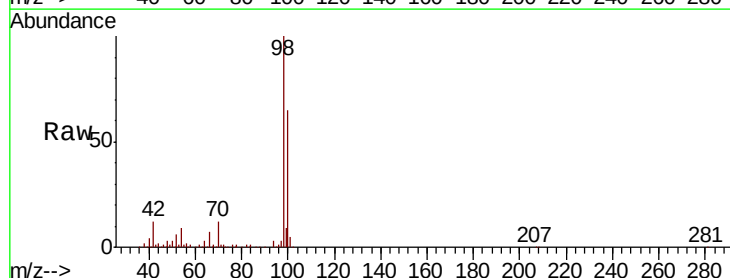
Instrument :
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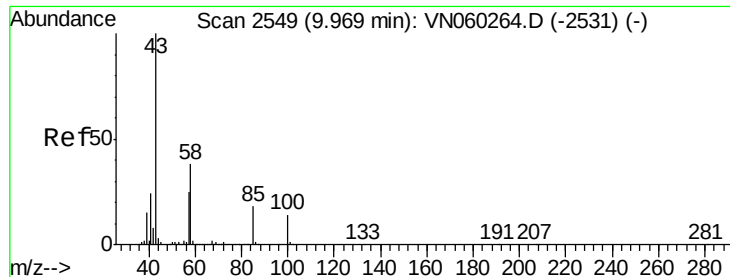
Tot Ion: 41 Resp: 3290
Ion Ratio Lower Upper
41 100
69 0.0 66.7 100.1#
39 0.0 50.1 75.1#



#50
Toluene-d8
Concen: 52.413 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN060554.D
Acq: 17 Mar 2020 14:18

Tgt Ion: 98 Resp: 424077
Ion Ratio Lower Upper
98 100
100 65.2 52.2 78.2

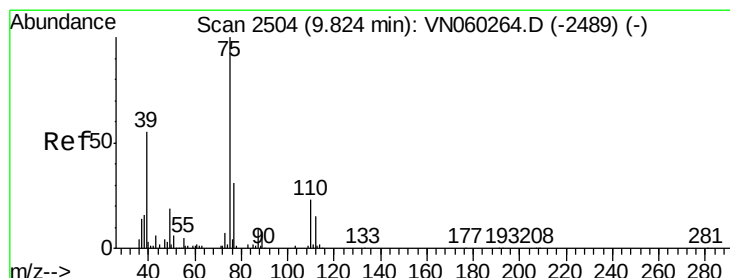
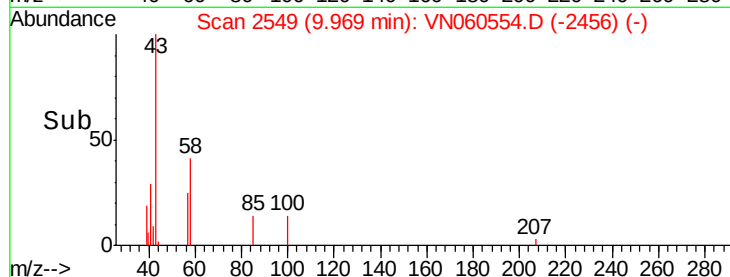
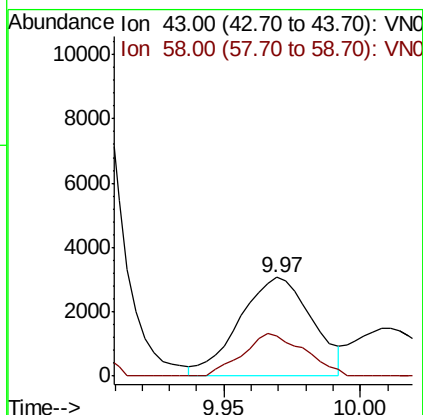
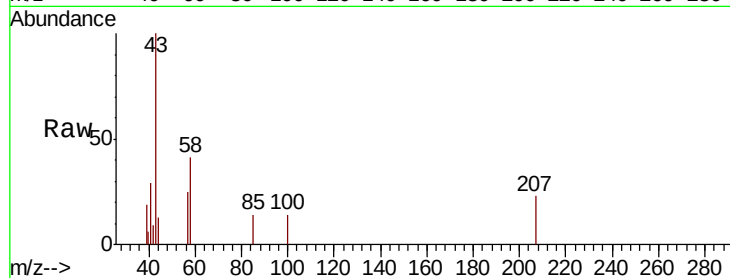




#51
 4-Methyl-2-Pentanone
 Concen: 1.839 ug/l
 RT: 9.97 min Scan# 2549
 Delta R.T. 0.00 min
 Lab File: VN060554.D
 Acq: 17 Mar 2020 14:18

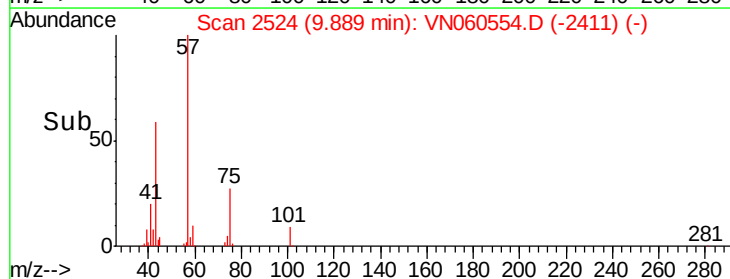
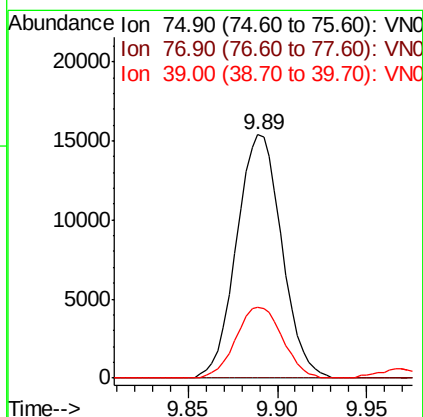
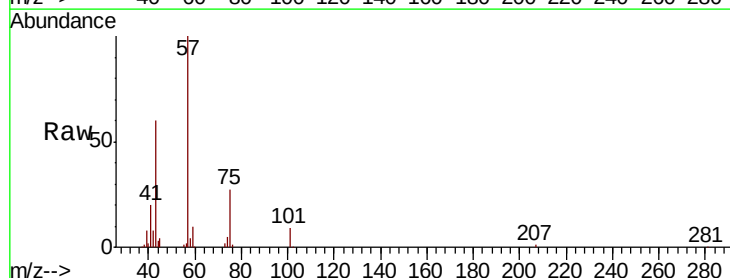
Instrument :
 MSVOA_N
 ClientSampleID :
 OR-02-031620

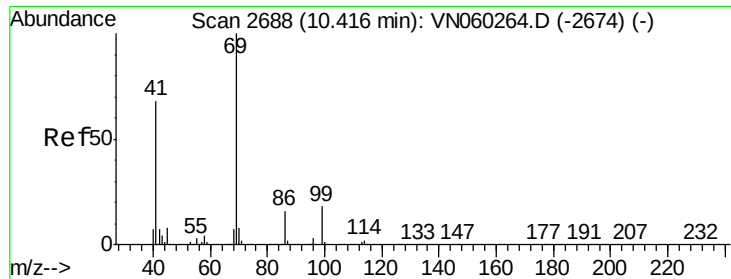
Tot Ion: 43 Resp: 5674
 Ion Ratio Lower Upper
 43 100
 58 36.7 30.9 46.3



#54
 cis-1,3-Dichloropropene
 Concen: 6.502 ug/l
 RT: 9.89 min Scan# 2524
 Delta R.T. 0.06 min
 Lab File: VN060554.D
 Acq: 17 Mar 2020 14:18

Tgt Ion: 75 Resp: 27214
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.8 37.2#
 39 28.9 43.8 65.8#





#56

Ethyl methacrylate

Concen: 0.202 ug/l

RT: 10.54 min Scan# 2725

Delta R.T. 0.12 min

Lab File: VN060554.D

Acq: 17 Mar 2020 14:18

Instrument :

MSVOA_N

ClientSampleId :

OR-02-031620

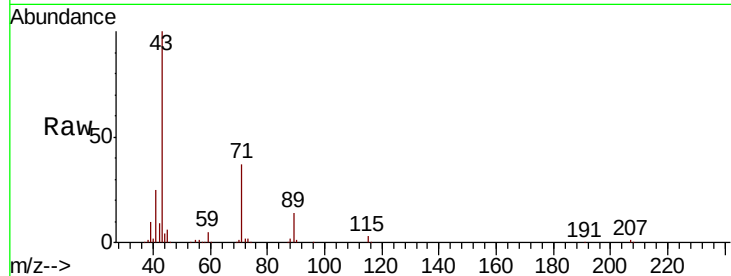
Tot Ion: 69 Resp: 699

Ion Ratio Lower Upper

69 100

41 7779.0 54.1 81.1#

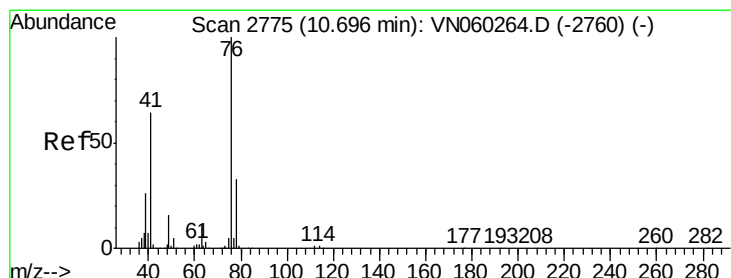
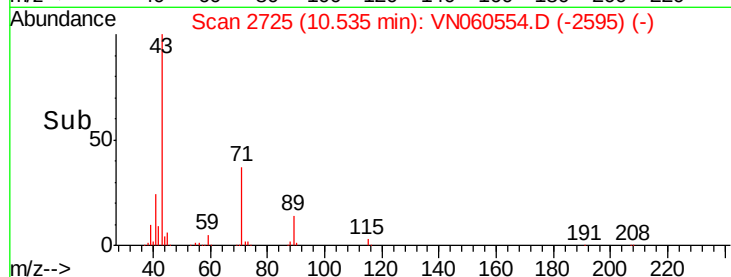
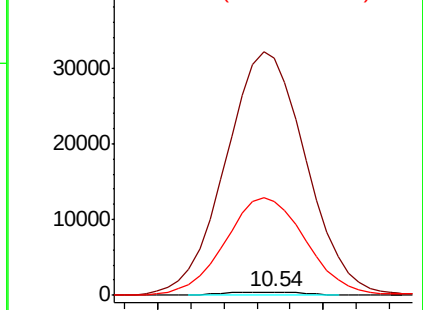
39 3163.2 32.5 48.7#



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#57

1,3-Dichloropropane

Concen: 1.056 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.06 min

Lab File: VN060554.D

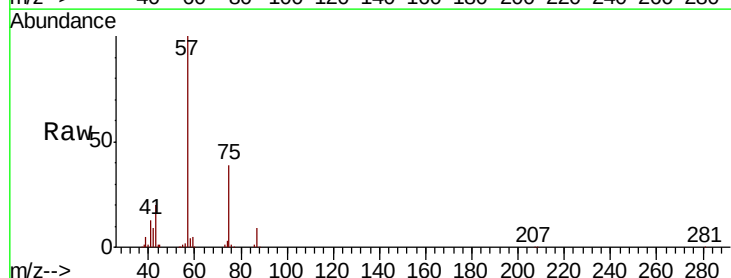
Acq: 17 Mar 2020 14:18

Tgt Ion: 76 Resp: 4156

Ion Ratio Lower Upper

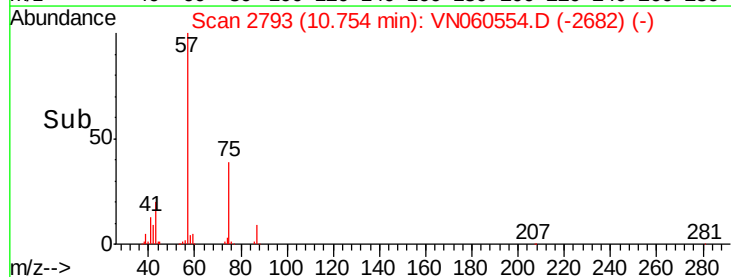
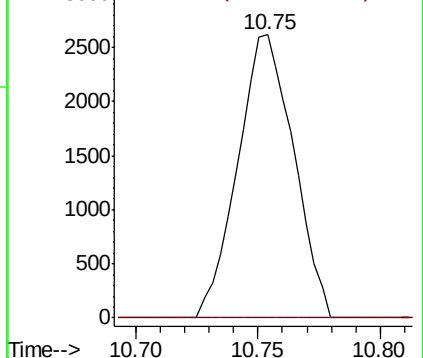
76 100

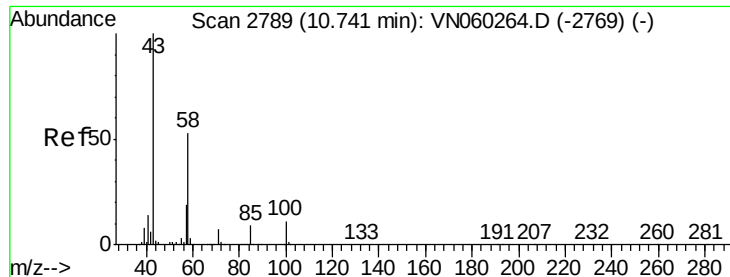
78 0.0 26.2 39.2#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

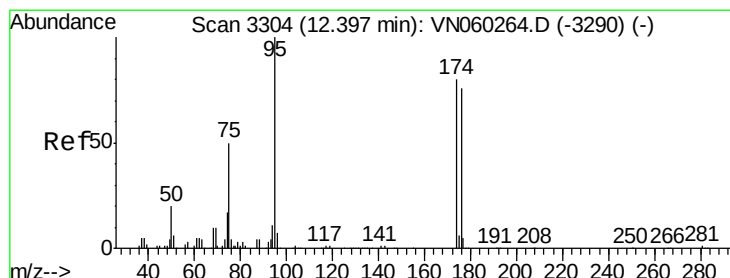
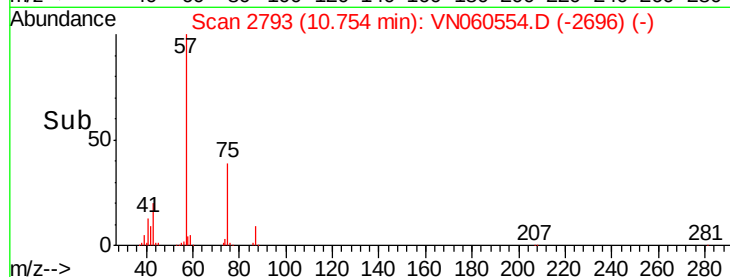
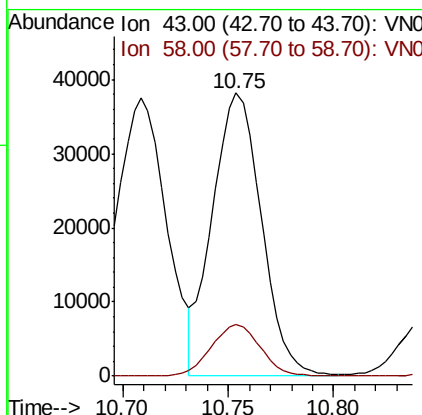
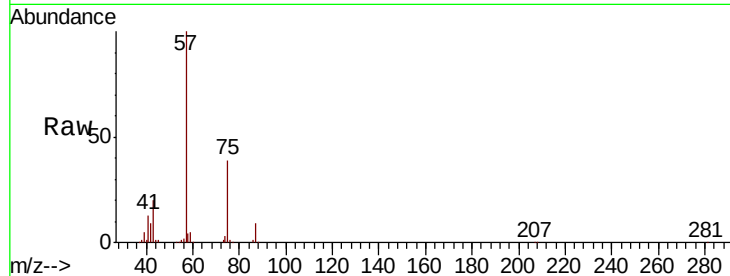




#59
2-Hexanone
Concen: 27.096 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.01 min
Lab File: VN060554.D
Acq: 17 Mar 2020 14:18

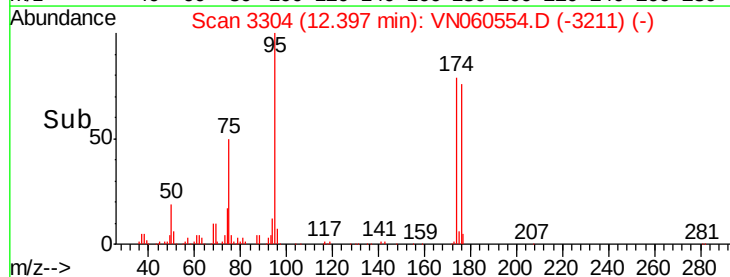
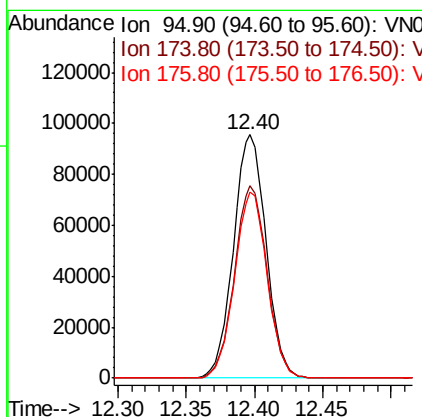
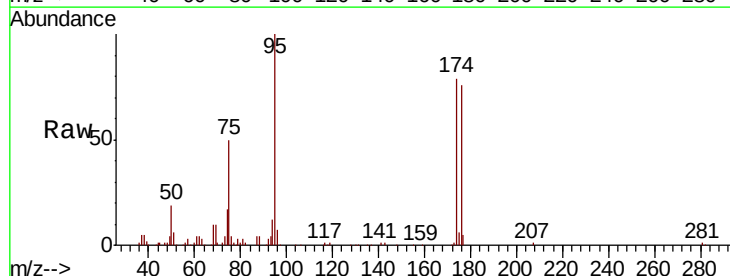
Instrument :
MSVOA_N
ClientSampleId :
OR-02-031620

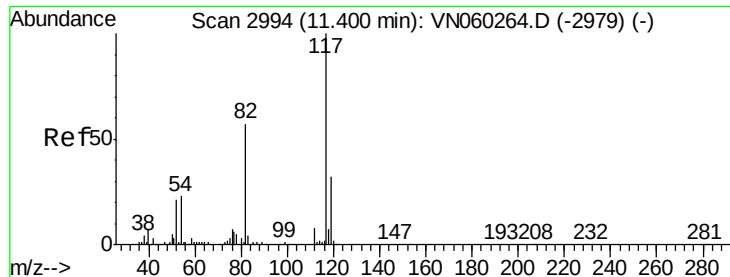
Tot Ion: 43 Resp: 61377
Ion Ratio Lower Upper
43 100
58 18.3 26.5 79.5#



#62
4-Bromofluorobenzene
Concen: 51.640 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN060554.D
Acq: 17 Mar 2020 14:18

Tgt Ion: 95 Resp: 158386
Ion Ratio Lower Upper
95 100
174 78.9 0.0 159.2
176 76.3 0.0 153.8

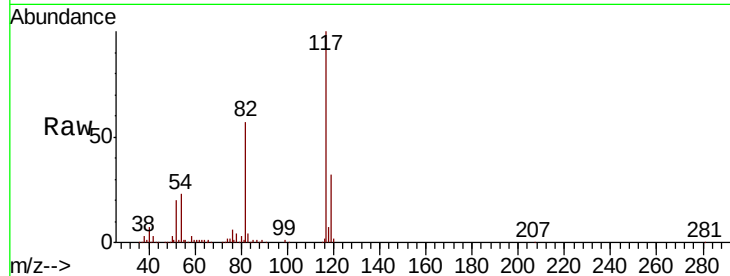




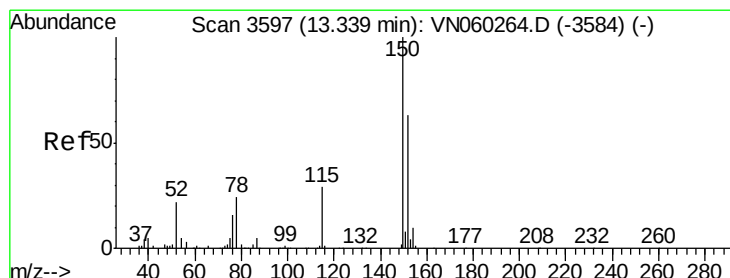
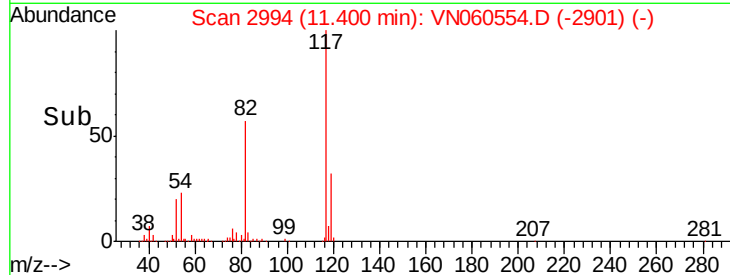
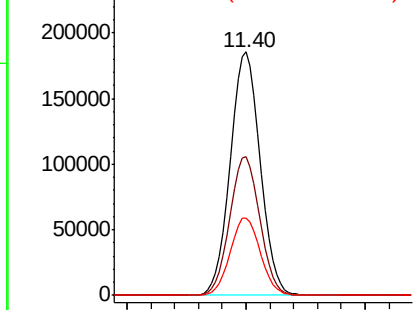
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060554.D
Acq: 17 Mar 2020 14:18

Instrument :
MSVOA_N
ClientSampled :
OR-02-031620

Tot Ion:117 Resp: 323780
Ion Ratio Lower Upper
117 100
82 56.8 45.8 68.6
119 32.0 25.8 38.8

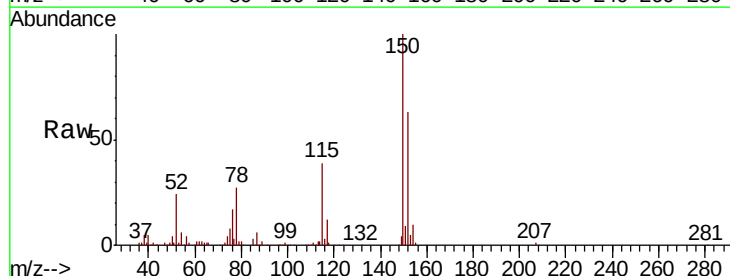


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

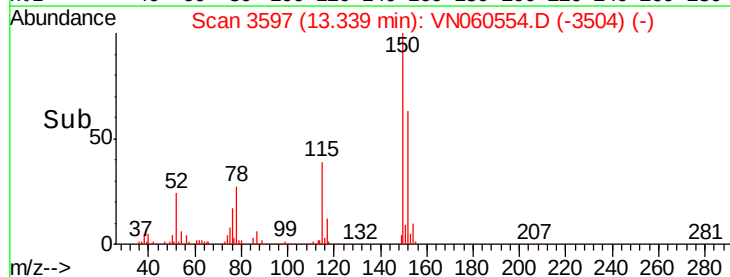
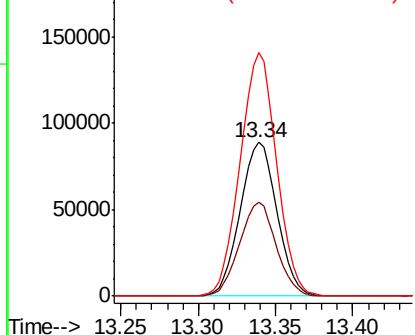


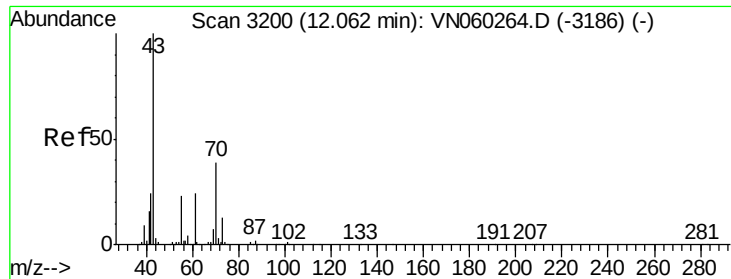
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN060554.D
Acq: 17 Mar 2020 14:18

Tgt Ion:152 Resp: 147774
Ion Ratio Lower Upper
152 100
115 60.6 30.0 90.0
150 156.9 0.0 349.6



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





#74

N-amvl acetate

Concen: 0.629 ug/l

RT: 12.02 min Scan# 3188

Delta R.T. -0.04 min

Lab File: VN060554.D

Acq: 17 Mar 2020 14:18

Instrument :

MSVOA_N

ClientSampleId :

OR-02-031620

Tot Ion: 43 Resp: 3010

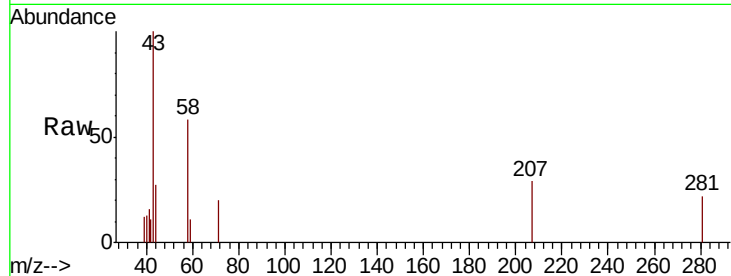
Ion Ratio Lower Upper

43 100

70 0.0 32.2 48.2#

55 0.0 18.2 27.4#

61 0.0 19.2 28.8#



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

2000

1500

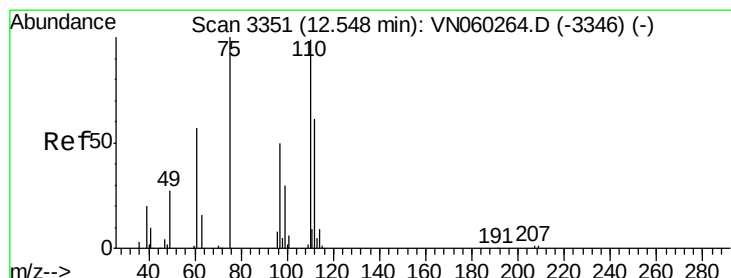
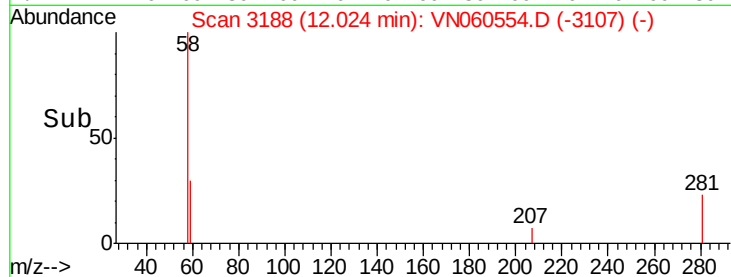
12.02

1000

500

0

Time-->



#76

1,2,3-Trichloropropane

Concen: 24.627 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060554.D

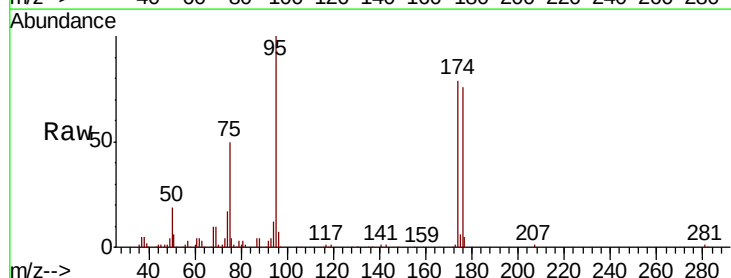
Acq: 17 Mar 2020 14:18

Tgt Ion: 75 Resp: 79844

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

50000

40000

12.40

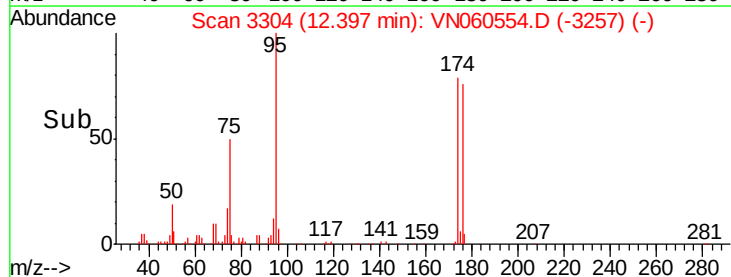
30000

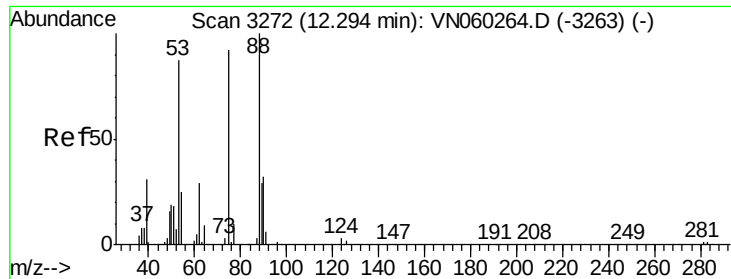
20000

10000

0

Time-->

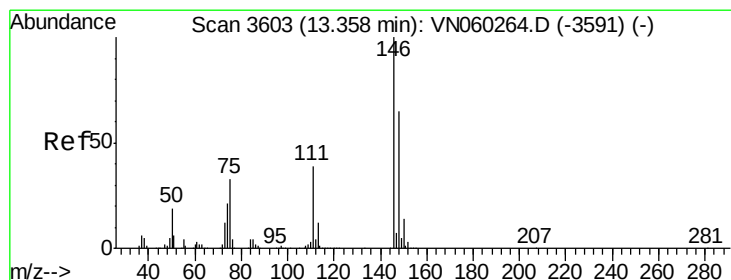
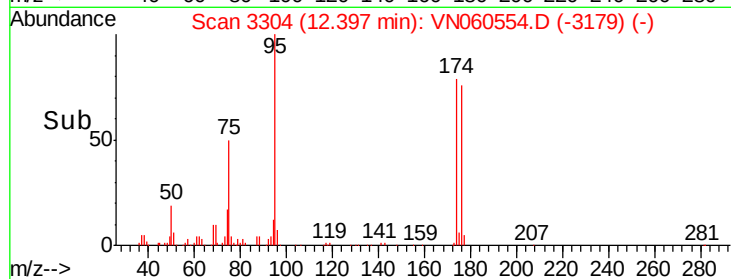
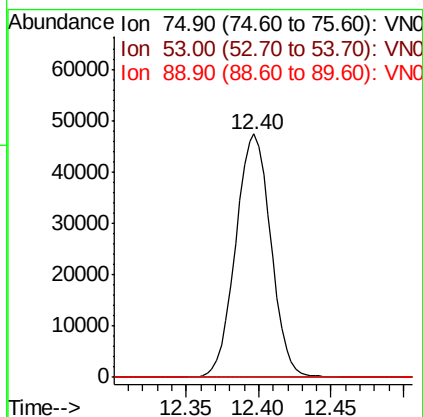
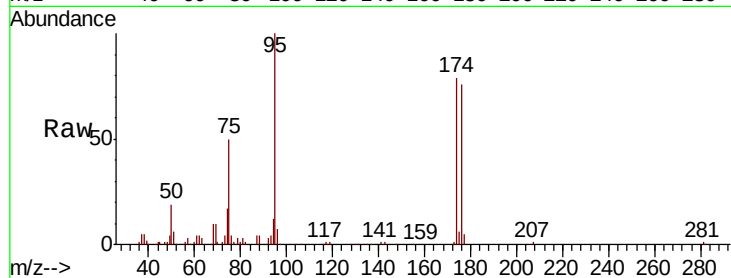




#81
trans-1,4-Dichloro-2-butene
Concen: 67.981 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.10 min
Lab File: VN060554.D
Acq: 17 Mar 2020 14:18

Instrument :
MSVOA_N
ClientSampleId :
OR-02-031620

Tot Ion: 75 Resp: 79844
Ion Ratio Lower Upper
75 100
53 0.0 73.8 110.6#
89 0.0 57.1 85.7#



#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.28 min Scan# 3578
Delta R.T. -0.08 min
Lab File: VN060554.D
Acq: 17 Mar 2020 14:18

Tgt Ion: 146 Resp: 141
Ion Ratio Lower Upper
146 100
111 0.0 19.8 59.4#
148 0.0 32.3 96.9#

