

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031820\
 Data File : VN060614.D
 Acq On : 19 Mar 2020 00:43
 Operator : JC/MD
 Sample : PB127624TB
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB127624TB

Quant Time: Mar 19 05:06:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	200311	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	336277	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	313415	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	143371	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	128986	46.91	ug/l	0.00
Spiked Amount						
			Recovery	=	93.82%	
35) Dibromofluoromethane	7.57	113	98057	48.22	ug/l	0.00
Spiked Amount						
			Recovery	=	96.44%	
50) Toluene-d8	10.08	98	414056	49.85	ug/l	0.00
Spiked Amount						
			Recovery	=	99.70%	
62) 4-Bromofluorobenzene	12.40	95	153674	50.49	ug/l	0.00
Spiked Amount						
			Recovery	=	100.98%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	6187	6.352	ug/l	99
18) Methyl Acetate	4.30	43	1857	0.677	ug/l #	57
20) Methylene Chloride	4.52	84	6350	2.650	ug/l	97
25) 2-Butanone	6.81	43	899	0.570	ug/l #	50
29) Tetrahydrofuran	7.20	42	308	0.276	ug/l #	35
31) Cyclohexane	7.64	56	4288	0.968	ug/l #	2
36) 1,1-Dichloropropene	7.64	75	15249	4.683	ug/l #	50
37) Ethyl Acetate	6.81	43	899	0.256	ug/l #	70
38) Carbon Tetrachloride	7.64	117	19158	6.565	ug/l #	16
43) Isopropyl Acetate	8.14	43	65108	11.221	ug/l #	91
45) 1,2-Dichloropropane	9.25	63	1146	0.442	ug/l #	43
48) Methyl methacrylate	9.16	41	2946	1.140	ug/l #	15
51) 4-Methyl-2-Pentanone	9.97	43	5566	1.686	ug/l	90
54) cis-1,3-Dichloropropene	9.89	75	27802	6.771	ug/l #	61
57) 1,3-Dichloropropane	10.75	76	4381	1.105	ug/l #	42
59) 2-Hexanone	10.75	43	67159	28.236	ug/l #	51
74) N-amyl acetate	12.02	43	3594	0.723	ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	77807	25.151	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	3651	0.400	ug/l	94
81) trans-1,4-Dichloro-2-buten	12.40	75	77807	64.594	ug/l #	13
92) 1,2-Dibromo-3-Chloropropan	14.53	75	29	Below Cal	#	3

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

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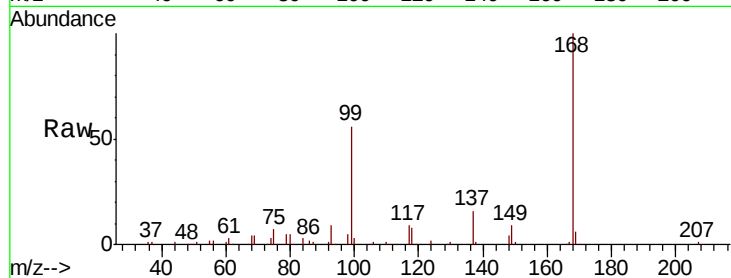
PB127624TB

Tot Ion:168 Resp: 200311

Ion Ratio Lower Upper

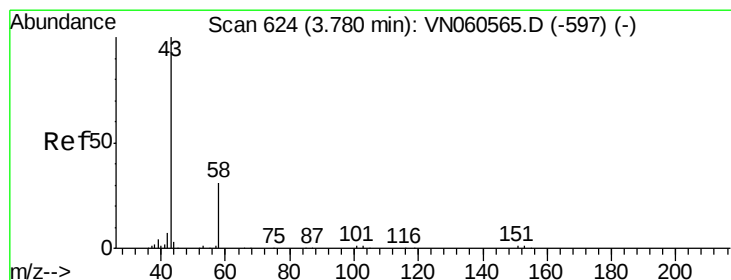
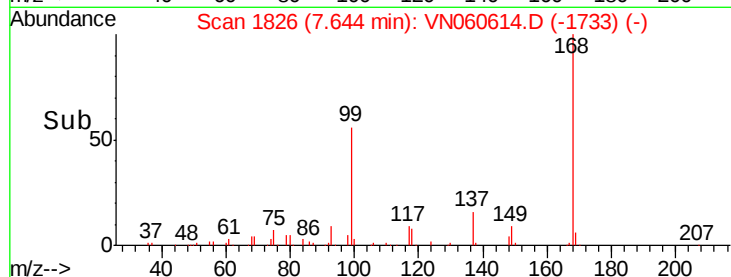
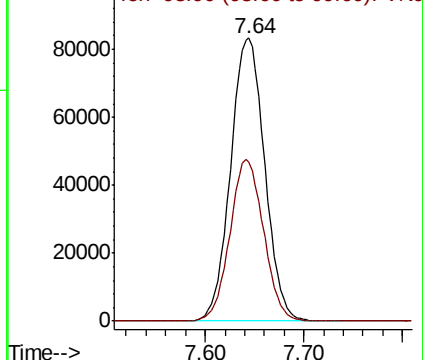
168 100

99 56.3 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#16

Acetone

Concen: 6.352 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.01 min

Lab File: VN060614.D

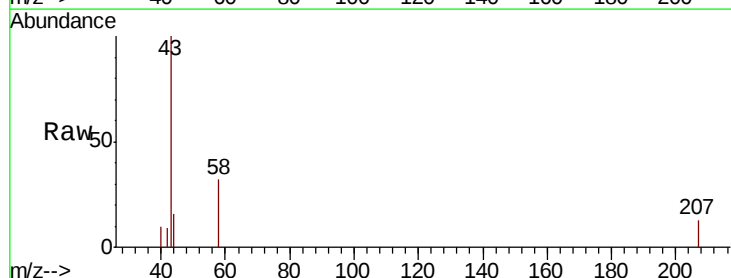
Acq: 19 Mar 2020 00:43

Tgt Ion: 43 Resp: 6187

Ion Ratio Lower Upper

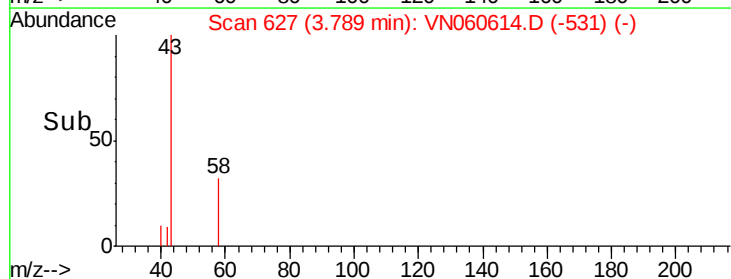
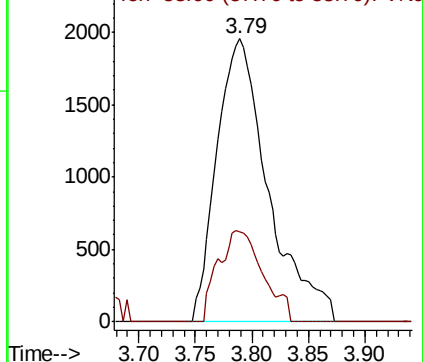
43 100

58 31.8 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

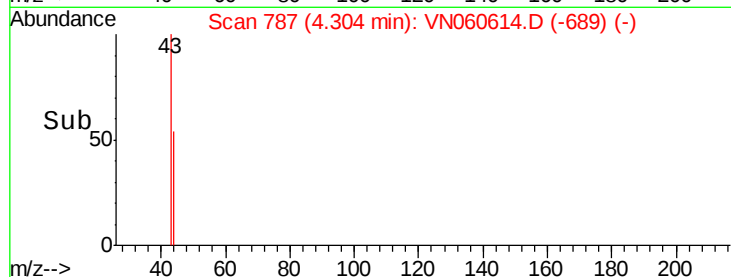
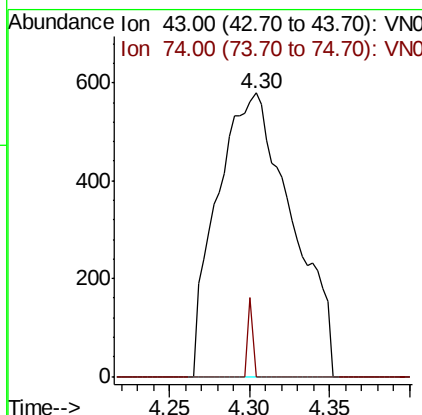
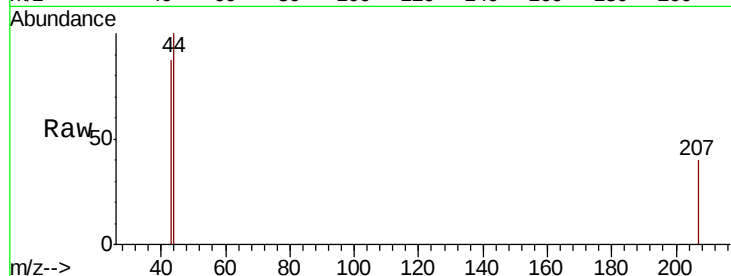




#18
Methyl Acetate
Concen: 0.677 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.02 min
Lab File: VN060614.D
Acq: 19 Mar 2020 00:43

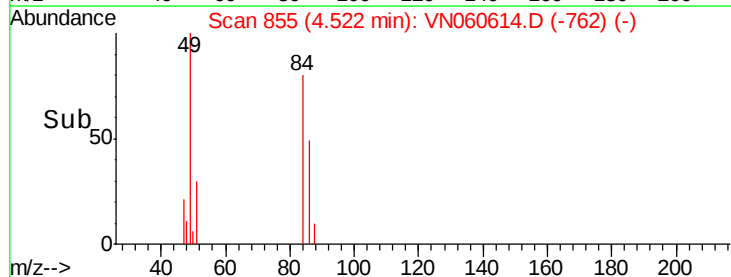
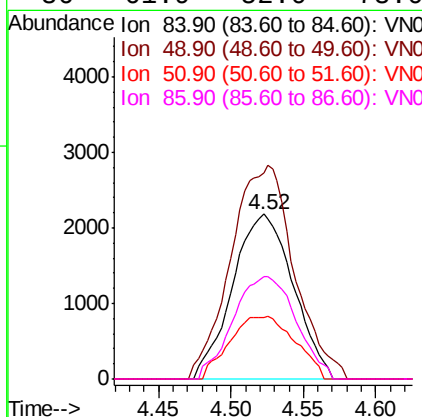
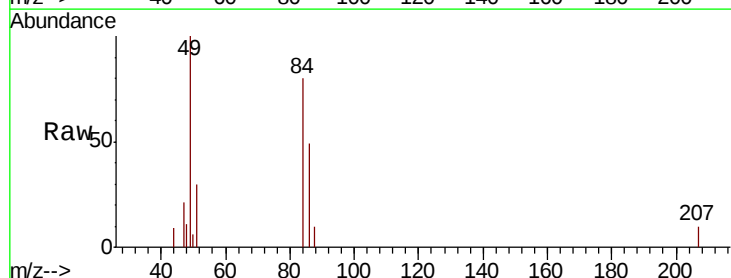
Instrument :
MSVOA_N
ClientSampleId :
PB127624TB

Tot Ion: 43 Resp: 1857
Ion Ratio Lower Upper
43 100
74 1.7 17.5 26.3#



#20
Methylene Chloride
Concen: 2.650 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN060614.D
Acq: 19 Mar 2020 00:43

Tgt Ion: 84 Resp: 6350
Ion Ratio Lower Upper
84 100
49 125.5 103.3 154.9
51 37.2 31.6 47.4
86 61.9 52.0 78.0





#25

2-Butanone

Concen: 0.570 ug/l

RT: 6.81 min Scan# 1568

Delta R.T. 0.02 min

Lab File: VN060614.D

Acq: 19 Mar 2020 00:43

Instrument :

MSVOA_N

ClientSampleId :

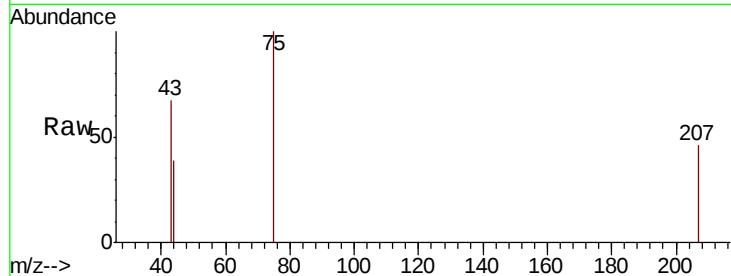
PB127624TB

Tot Ion: 43 Resp: 899

Ion Ratio Lower Upper

43 100

72 0.0 20.4 30.6#



Abundance Ion 43.00 (42.70 to 43.70): VN060614.D (-1537) (-)

Ion 72.00 (71.70 to 72.70): VN060614.D (-1537) (-)

6.81

400

300

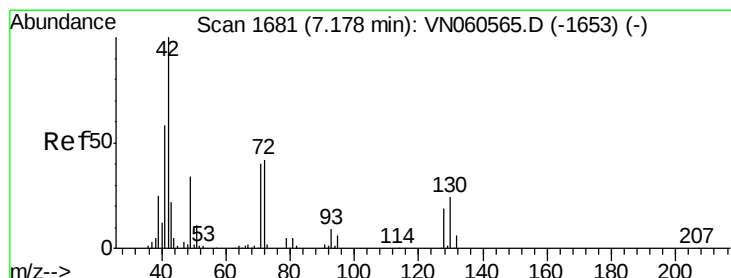
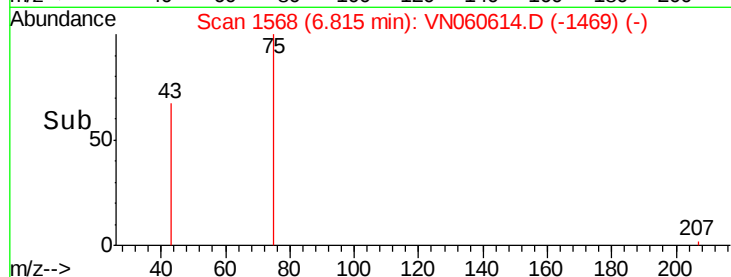
200

100

0

6.76 6.78 6.80 6.82 6.84

Time-->



#29

Tetrahydrofuran

Concen: 0.276 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.02 min

Lab File: VN060614.D

Acq: 19 Mar 2020 00:43

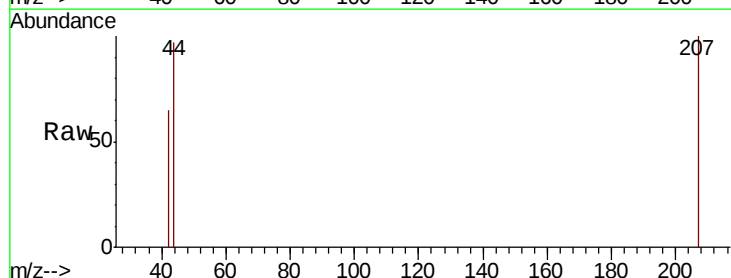
Tgt Ion: 42 Resp: 308

Ion Ratio Lower Upper

42 100

72 0.0 33.2 49.8#

71 0.0 31.1 46.7#



Abundance Ion 42.00 (41.70 to 42.70): VN060614.D (-1653) (-)

Ion 72.00 (71.70 to 72.70): VN060614.D (-1653) (-)

Ion 71.00 (70.70 to 71.70): VN060614.D (-1653) (-)

250

200

150

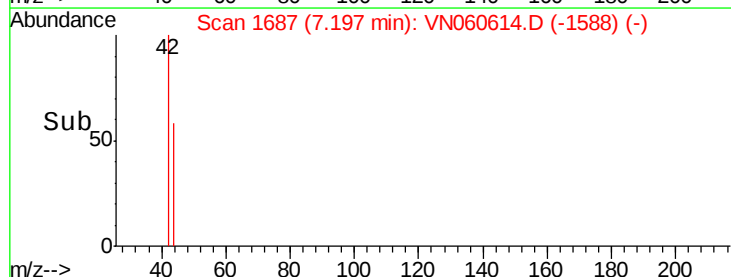
100

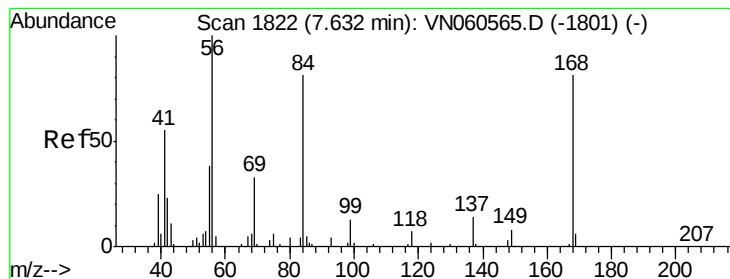
50

0

7.16 7.18 7.20 7.22

Time-->





#31

Cyclohexane

Concen: 0.968 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.01 min

Lab File: VN060614.D

Acq: 19 Mar 2020 00:43

Instrument :

MSVOA_N

ClientSampleId :

PB127624TB

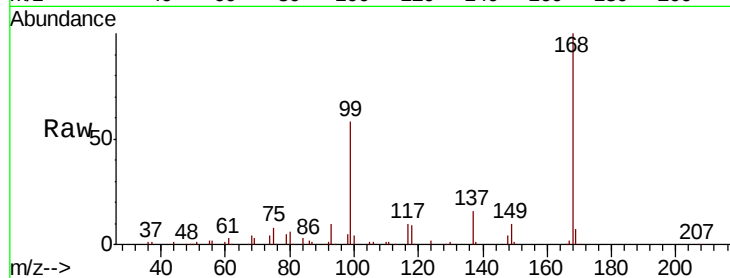
Tot Ion: 56 Resp: 4288

Ion Ratio Lower Upper

56 100

69 140.9 26.6 40.0#

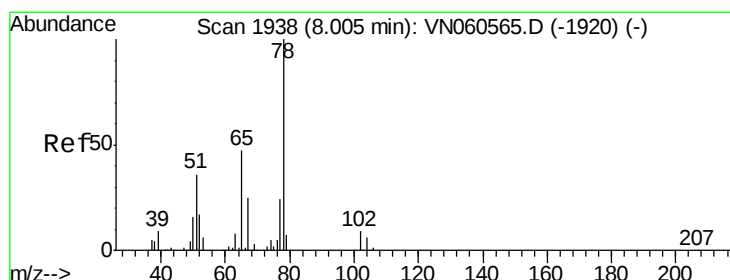
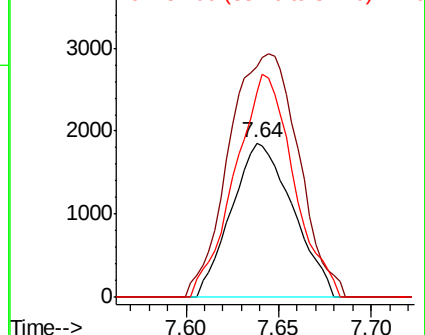
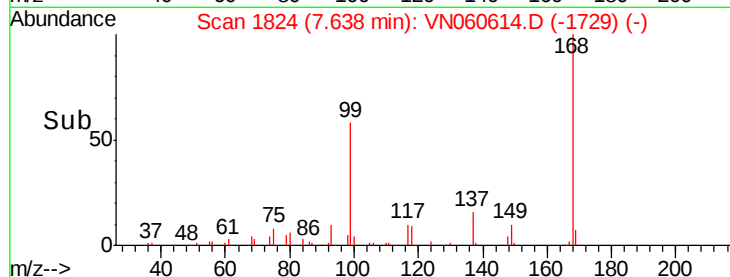
84 133.1 64.3 96.5#



Abundance Ion 56.00 (55.70 to 56.70): VN060614.D (-1729) (-)

Ion 69.00 (68.70 to 69.70): VN060614.D (-1729) (-)

Ion 84.00 (83.70 to 84.70): VN060614.D (-1729) (-)



#33

1,2-Dichloroethane-d4

Concen: 46.907 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. -0.00 min

Lab File: VN060614.D

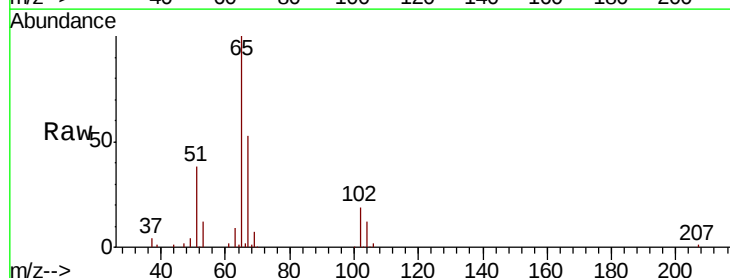
Acq: 19 Mar 2020 00:43

Tgt Ion: 65 Resp: 128986

Ion Ratio Lower Upper

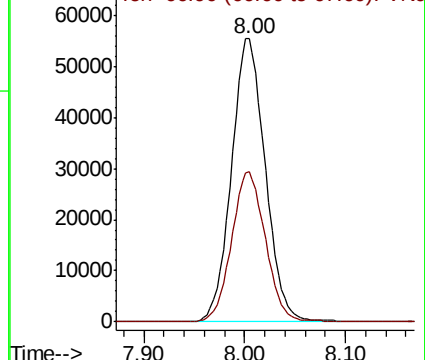
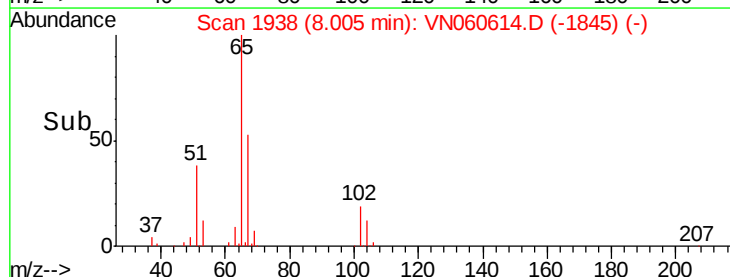
65 100

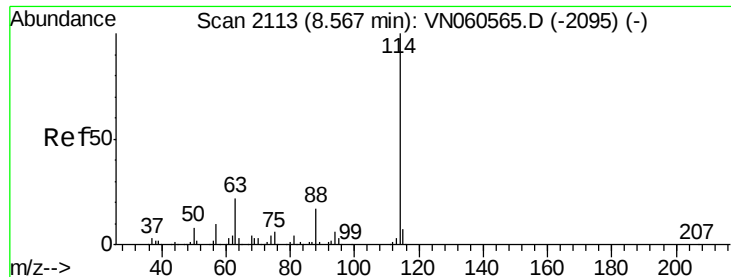
67 52.9 0.0 107.6



Abundance Ion 64.90 (64.60 to 65.60): VN060614.D (-1845) (-)

Ion 66.90 (66.60 to 67.60): VN060614.D (-1845) (-)





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VN060614.D

Acq: 19 Mar 2020 00:43

Instrument :

MSVOA_N

ClientSampleId :

PB127624TB

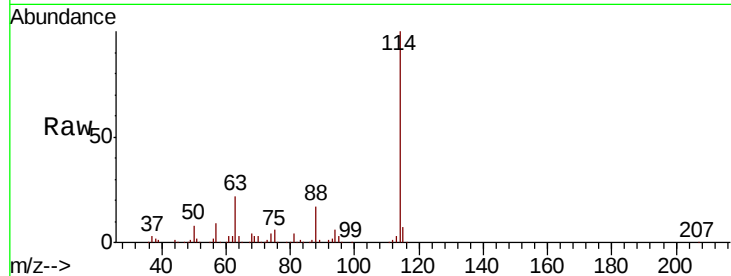
Tot Ion:114 Resp: 336277

Ion Ratio Lower Upper

114 100

63 22.2 0.0 43.8

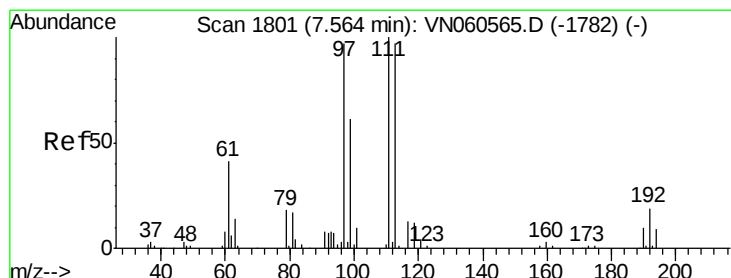
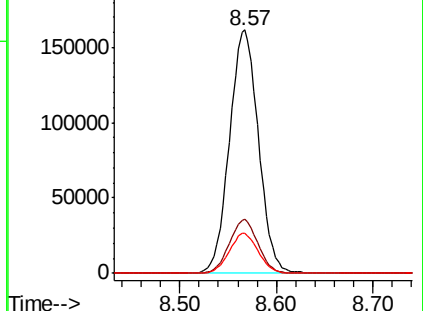
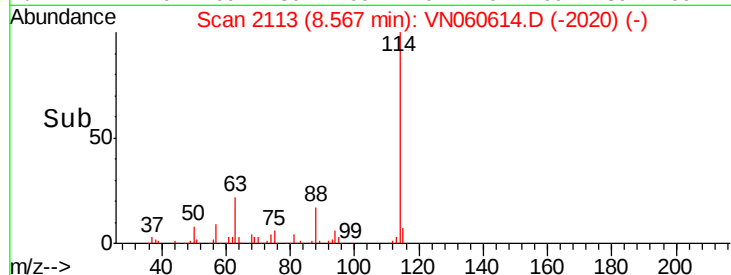
88 16.6 0.0 33.0



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: 48.224 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN060614.D

Acq: 19 Mar 2020 00:43

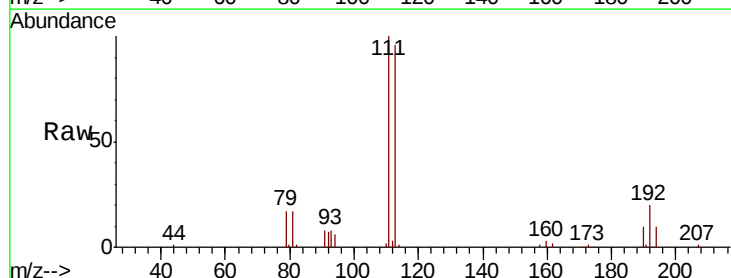
Tgt Ion:113 Resp: 98057

Ion Ratio Lower Upper

113 100

111 103.5 82.9 124.3

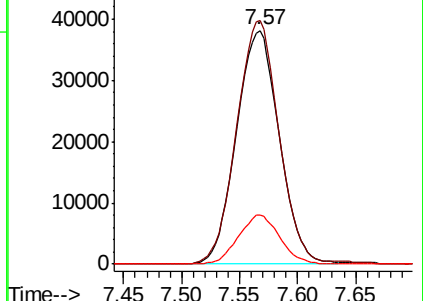
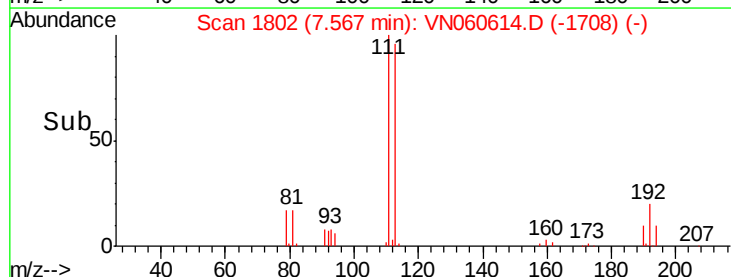
192 20.2 15.8 23.8

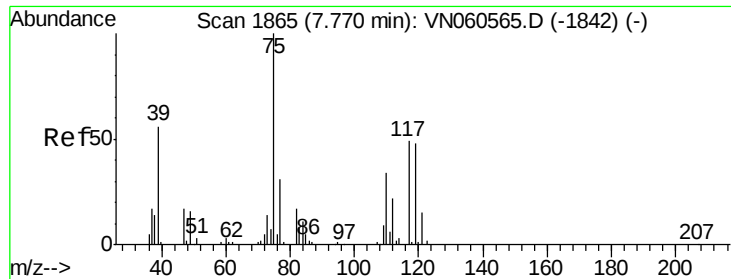


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

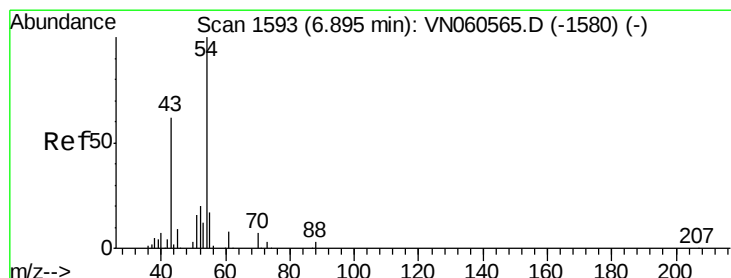
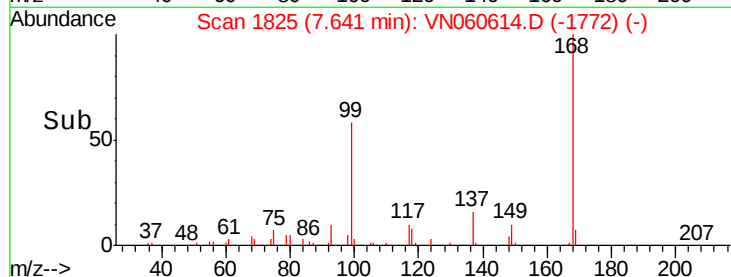
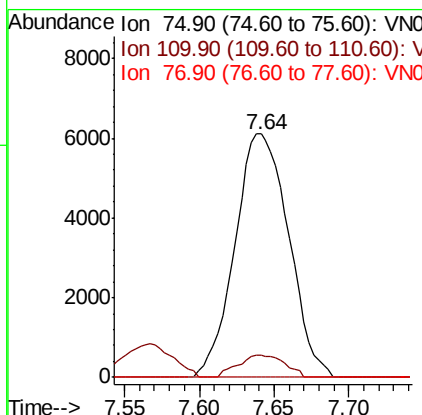
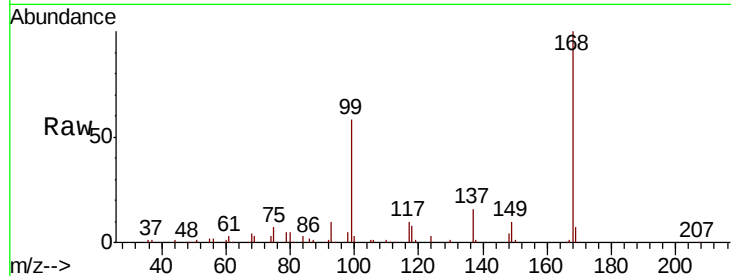




#36
 1,1-Dichloropropene
 Concen: 4.683 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN060614.D
 Acq: 19 Mar 2020 00:43

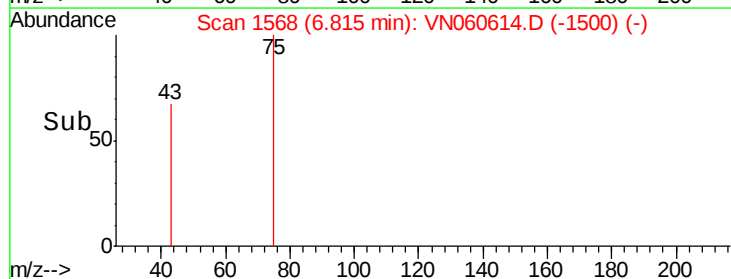
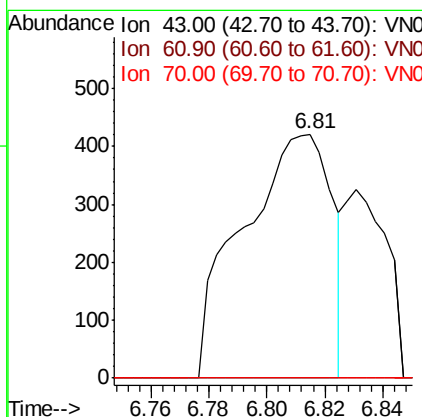
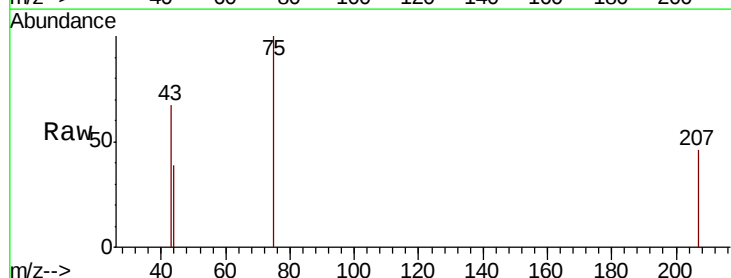
Instrument :
 MSVOA_N
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 PB127624TB

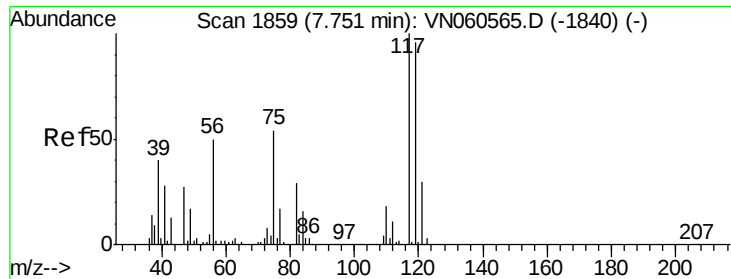
Tot Ion	75	Resp	15249
Ion Ratio	Lower	Upper	
75	100		
110	7.9	16.9	50.6#
77	0.0	24.6	36.8#



#37
 Ethyl Acetate
 Concen: 0.256 ug/l
 RT: 6.81 min Scan# 1568
 Delta R.T. -0.08 min
 Lab File: VN060614.D
 Acq: 19 Mar 2020 00:43

Tgt Ion	43	Resp	899
Ion Ratio	Lower	Upper	
43	100		
61	0.0	10.6	15.8#
70	0.0	7.9	11.9#

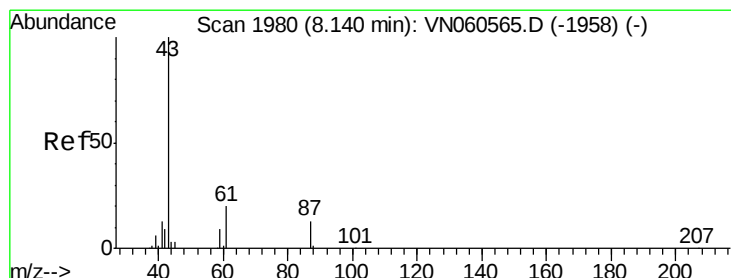
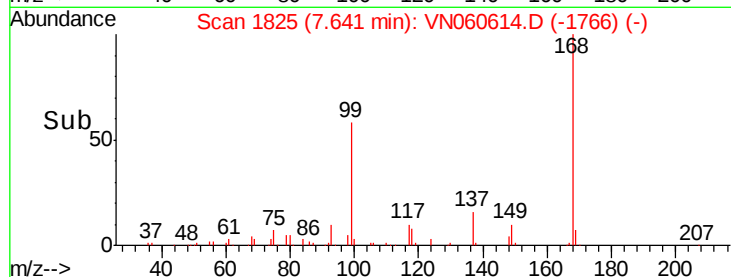
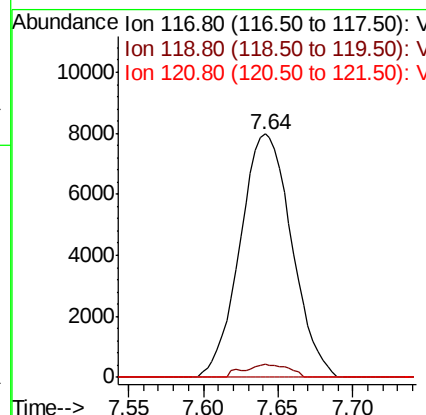
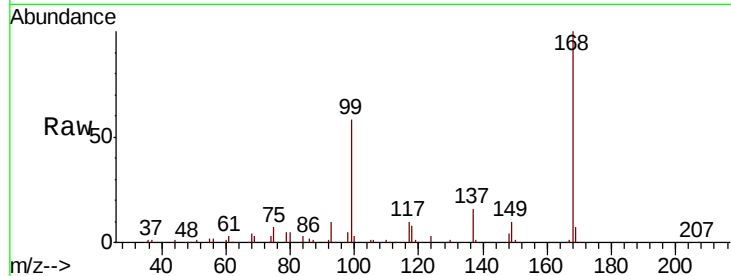




#38
Carbon Tetrachloride
Concen: 6.565 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. -0.11 min
Lab File: VN060614.D
Acq: 19 Mar 2020 00:43

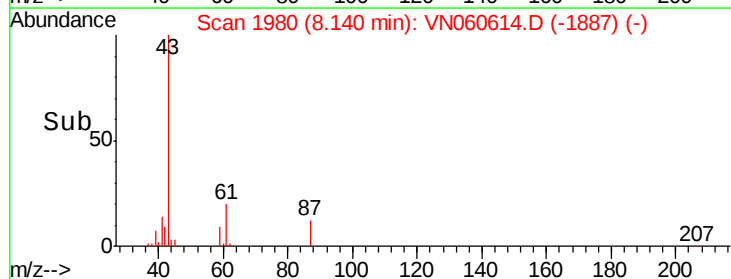
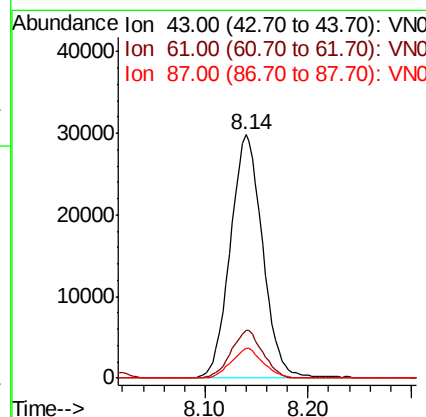
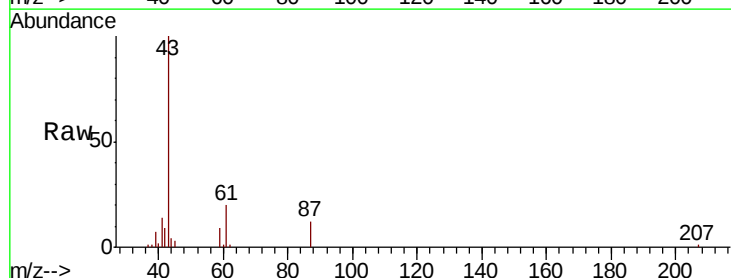
Instrument :
MSVOA_N
ClientSampled :
PB127624TB

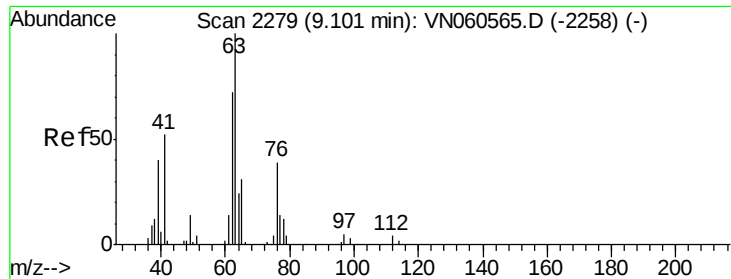
Tot Ion:117 Resp: 19158
Ion Ratio Lower Upper
117 100
119 5.3 76.2 114.2#
121 0.0 23.7 35.5#



#43
Isopropyl Acetate
Concen: 11.221 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. -0.00 min
Lab File: VN060614.D
Acq: 19 Mar 2020 00:43

Tgt Ion: 43 Resp: 65108
Ion Ratio Lower Upper
43 100
61 19.1 20.7 31.1#
87 11.9 9.8 14.8

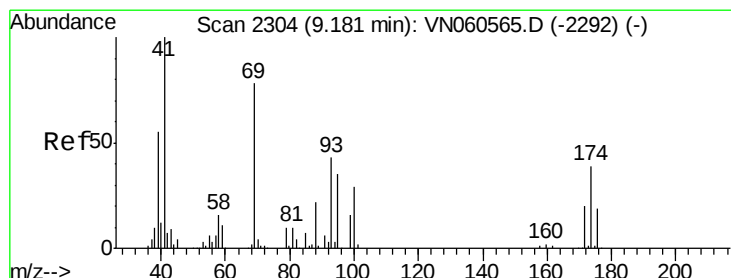
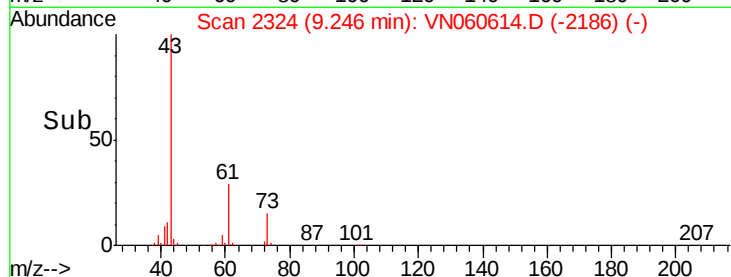
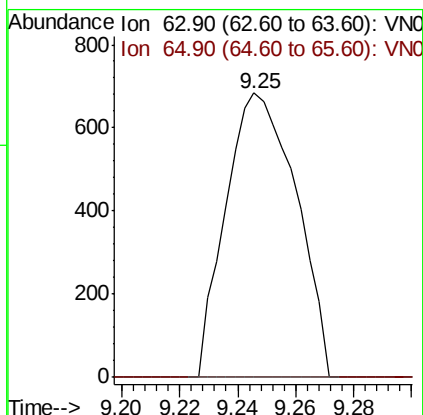
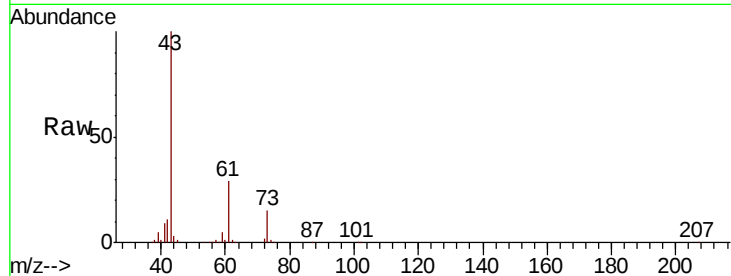




#45
 1,2-Dichloropropane
 Concen: 0.442 ug/l
 RT: 9.25 min Scan# 2324
 Delta R.T. 0.14 min
 Lab File: VN060614.D
 Acq: 19 Mar 2020 00:43

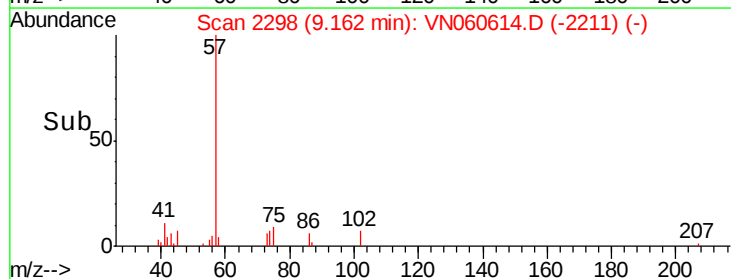
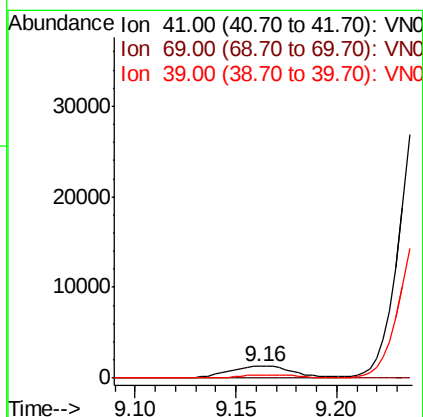
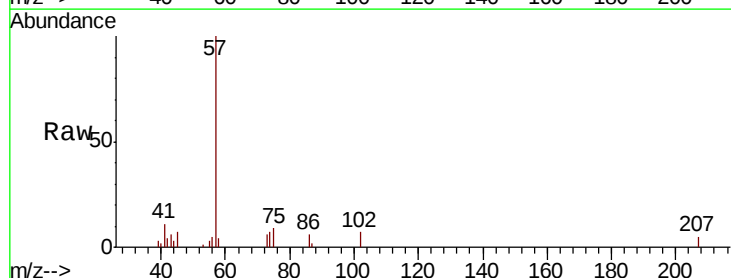
Instrument :
 MSVOA_N
 ClientSampleId :
 PB127624TB

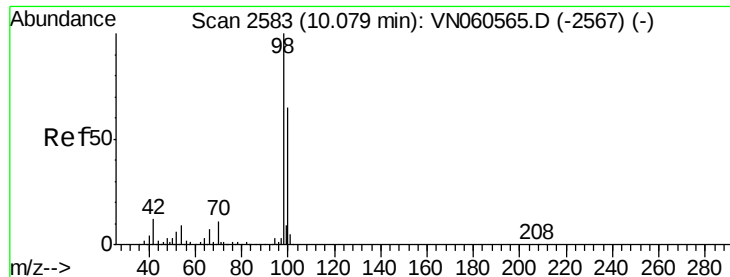
Tot Ion: 63 Resp: 1146
 Ion Ratio Lower Upper
 63 100
 65 0.0 25.4 38.0#



#48
 Methyl methacrylate
 Concen: 1.140 ug/l
 RT: 9.16 min Scan# 2298
 Delta R.T. -0.02 min
 Lab File: VN060614.D
 Acq: 19 Mar 2020 00:43

Tgt Ion: 41 Resp: 2946
 Ion Ratio Lower Upper
 41 100
 69 0.0 65.4 98.0#
 39 0.0 44.0 66.0#





#50

Toluene-d8

Concen: 49.853 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. -0.00 min

Lab File: VN060614.D

Acq: 19 Mar 2020 00:43

Instrument :

MSVOA_N

ClientSampleId :

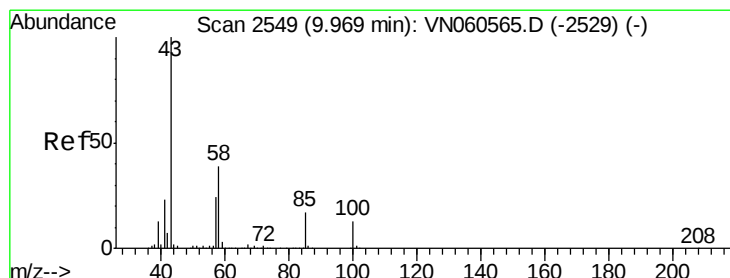
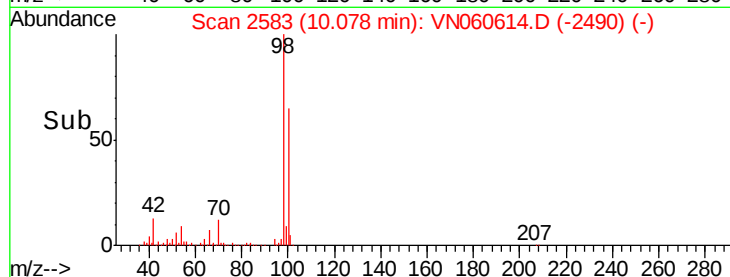
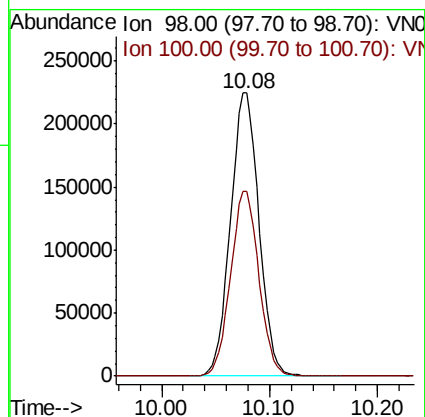
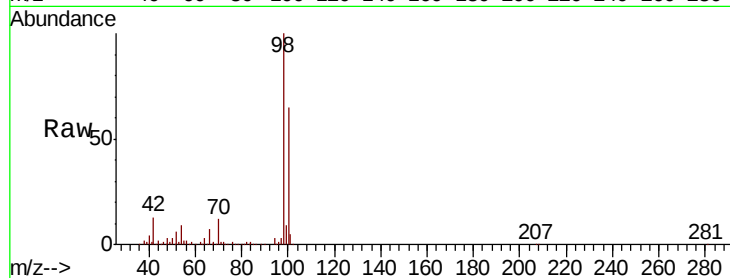
PB127624TB

Tot Ion: 98 Resp: 414056

Ion Ratio Lower Upper

98 100

100 64.9 51.8 77.8



#51

4-Methyl-2-Pentanone

Concen: 1.686 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VN060614.D

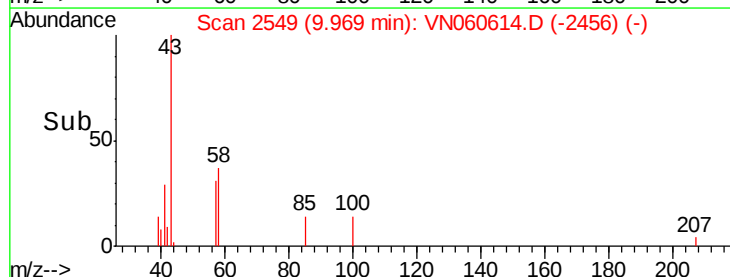
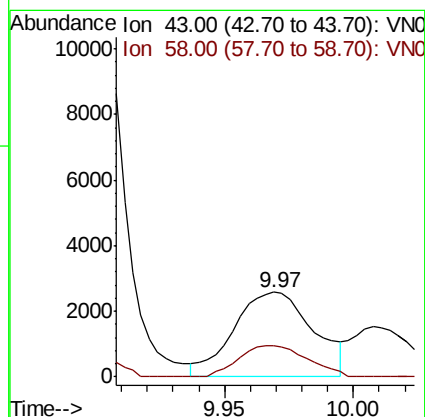
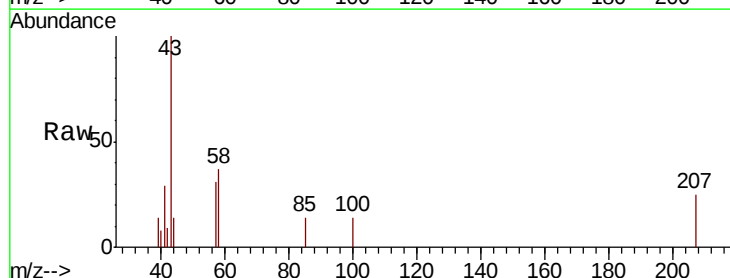
Acq: 19 Mar 2020 00:43

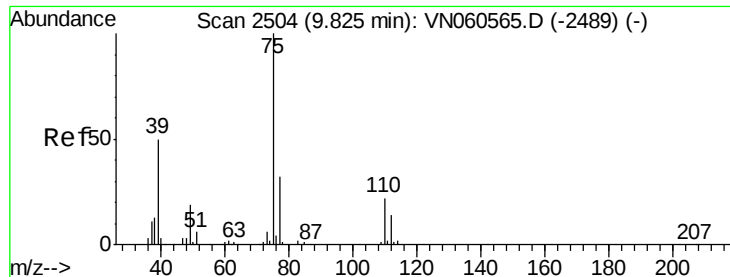
Tgt Ion: 43 Resp: 5566

Ion Ratio Lower Upper

43 100

58 32.4 30.8 46.2





#54

cis-1,3-Dichloropropene

Concen: 6.771 ug/l

RT: 9.89 min Scan# 2524

Delta R.T. 0.06 min

Lab File: VN060614.D

Acq: 19 Mar 2020 00:43

Instrument :

MSVOA_N

ClientSampleId :

PB127624TB

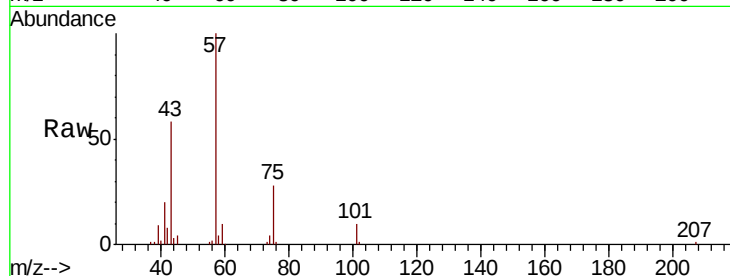
Tot Ion: 75 Resp: 27802

Ion Ratio Lower Upper

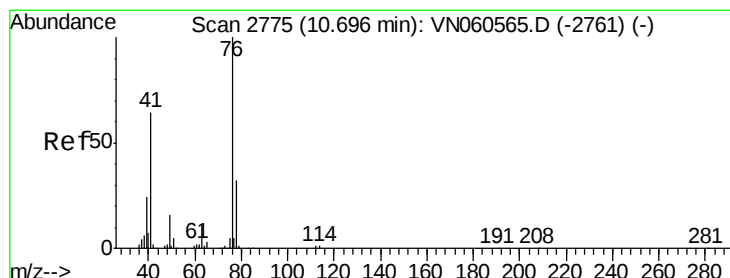
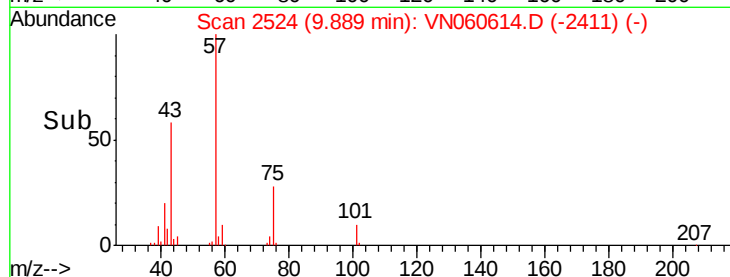
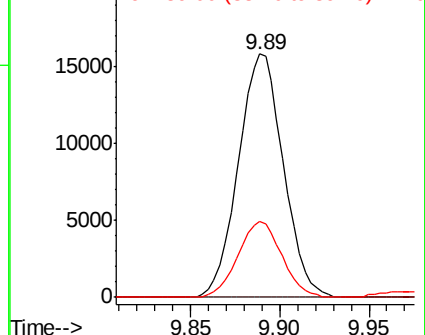
75 100

77 0.0 25.4 38.0#

39 31.1 40.2 60.4#



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 76.90 (76.60 to 77.60): VNO
Ion 39.00 (38.70 to 39.70): VNO



#57

1,3-Dichloropropane

Concen: 1.105 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.06 min

Lab File: VN060614.D

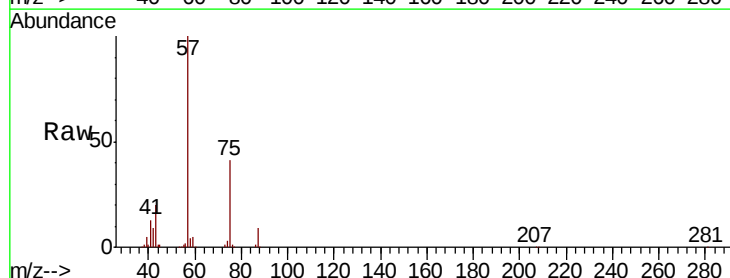
Acq: 19 Mar 2020 00:43

Tgt Ion: 76 Resp: 4381

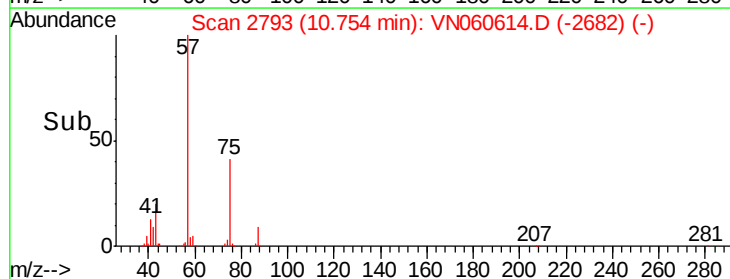
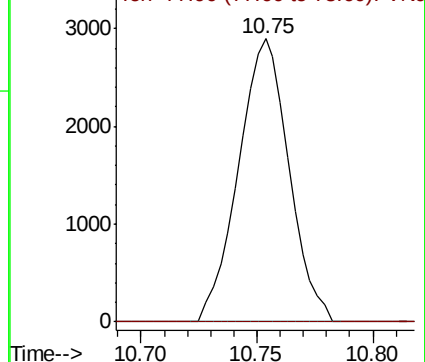
Ion Ratio Lower Upper

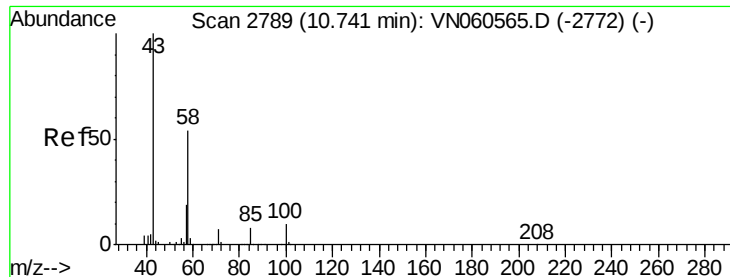
76 100

78 0.0 25.8 38.6#



Abundance Ion 75.90 (75.60 to 76.60): VNO
Ion 77.90 (77.60 to 78.60): VNO

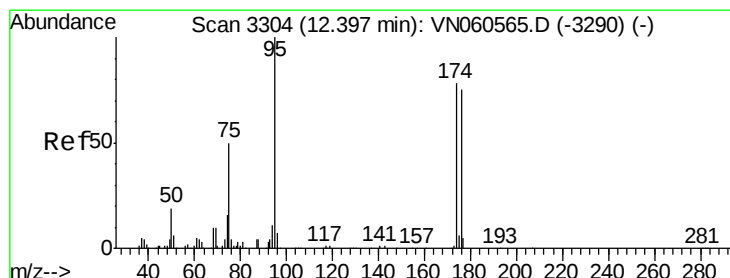
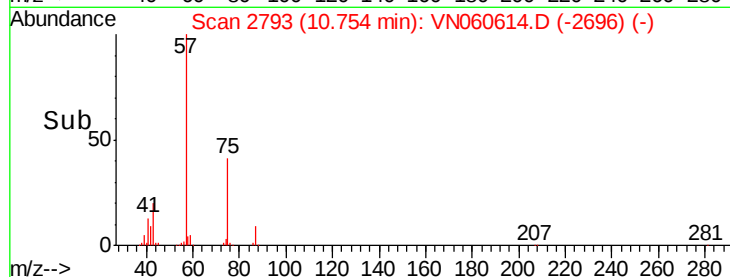
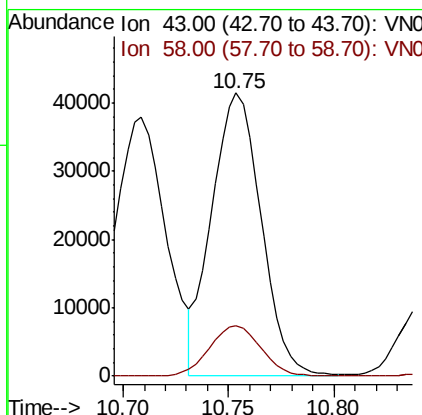
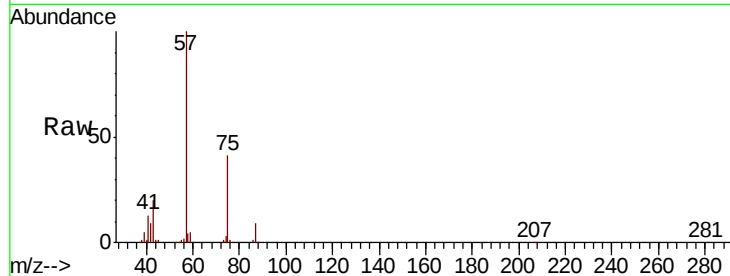




#59
2-Hexanone
Concen: 28.236 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.01 min
Lab File: VN060614.D
Acq: 19 Mar 2020 00:43

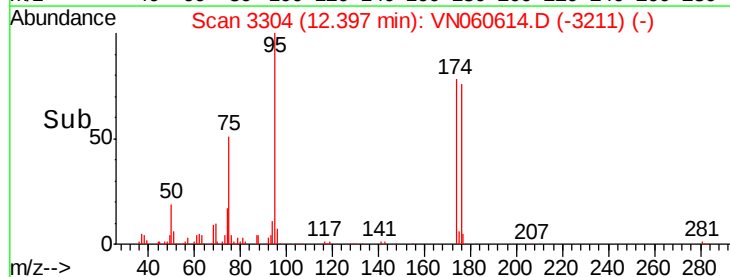
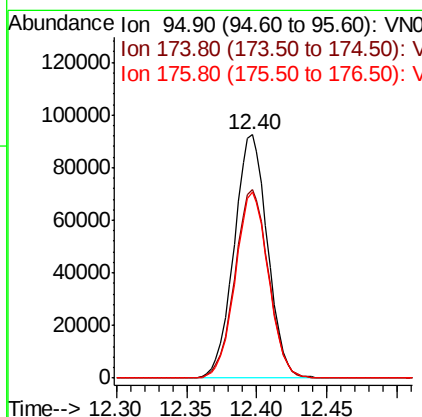
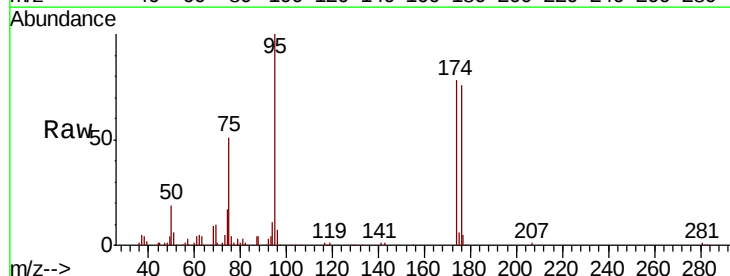
Instrument :
MSVOA_N
ClientSampleId :
PB127624TB

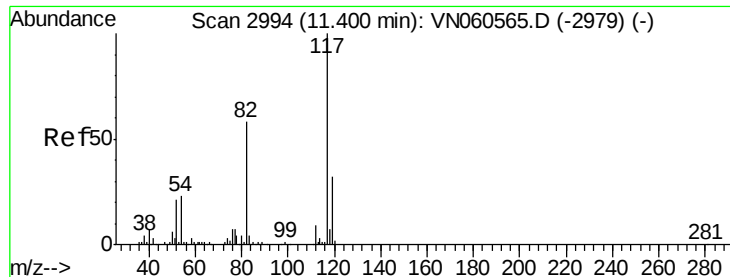
Tot Ion: 43 Resp: 67159
Ion Ratio Lower Upper
43 100
58 18.7 26.7 80.1#



#62
4-Bromofluorobenzene
Concen: 50.487 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.00 min
Lab File: VN060614.D
Acq: 19 Mar 2020 00:43

Tgt Ion: 95 Resp: 153674
Ion Ratio Lower Upper
95 100
174 77.9 0.0 157.6
176 75.7 0.0 150.6

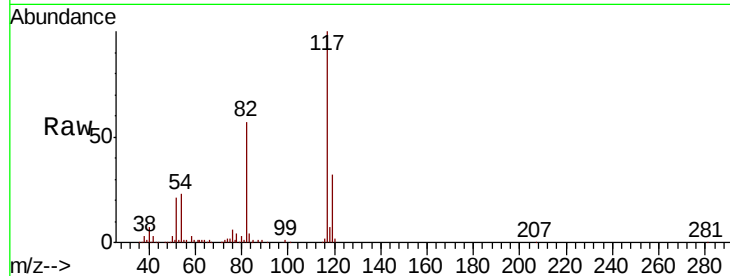




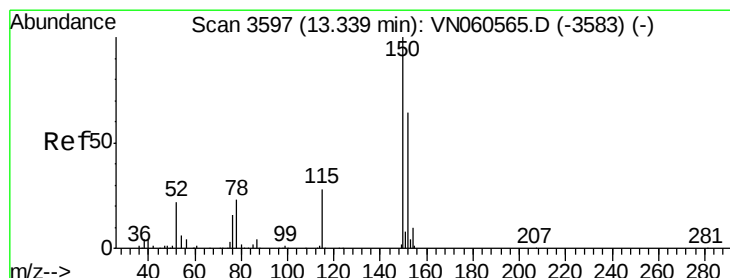
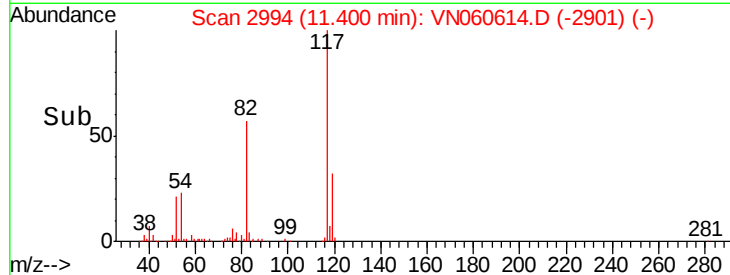
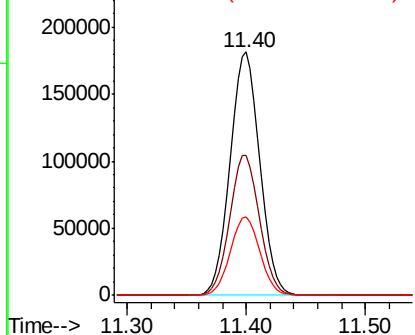
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060614.D
Acq: 19 Mar 2020 00:43

Instrument :
MSVOA_N
ClientSampleId :
PB127624TB

Tot Ion:117 Resp: 313415
Ion Ratio Lower Upper
117 100
82 57.3 46.7 70.1
119 32.1 25.5 38.3

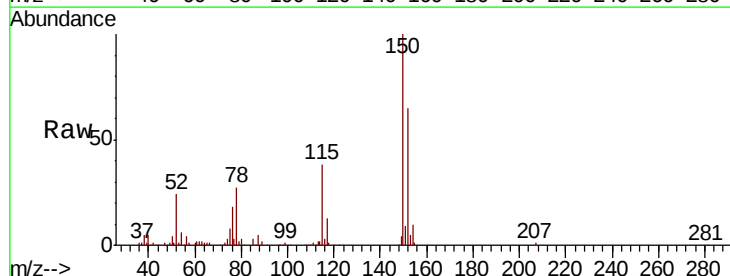


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

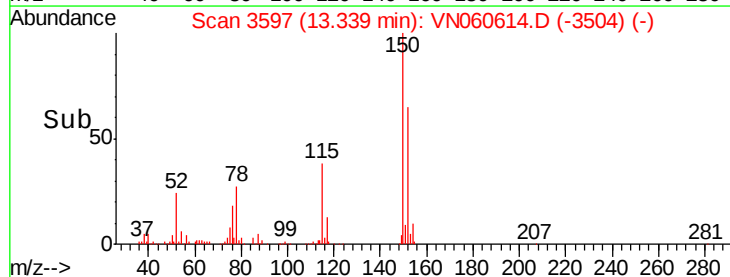
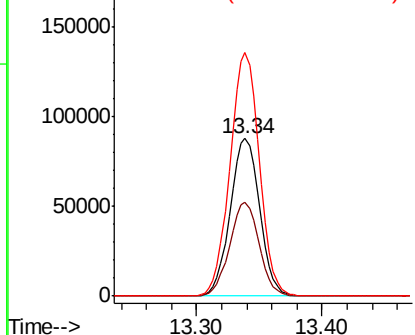


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. -0.00 min
Lab File: VN060614.D
Acq: 19 Mar 2020 00:43

Tgt Ion:152 Resp: 143371
Ion Ratio Lower Upper
152 100
115 59.5 30.2 90.6
150 153.6 0.0 350.2



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-amyl acetate

Concen: 0.723 ug/l

RT: 12.02 min Scan# 3188

Delta R.T. -0.04 min

Lab File: VN060614.D

Acq: 19 Mar 2020 00:43

Instrument :

MSVOA_N

ClientSampleId :

PB127624TB

Tot Ion: 43 Resp: 3594

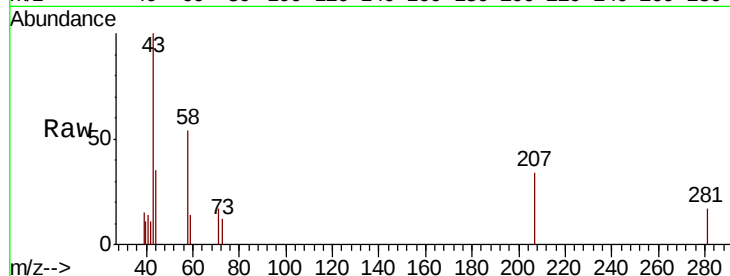
Ion Ratio Lower Upper

43 100

70 0.0 31.1 46.7#

55 0.0 18.6 27.8#

61 0.0 18.9 28.3#

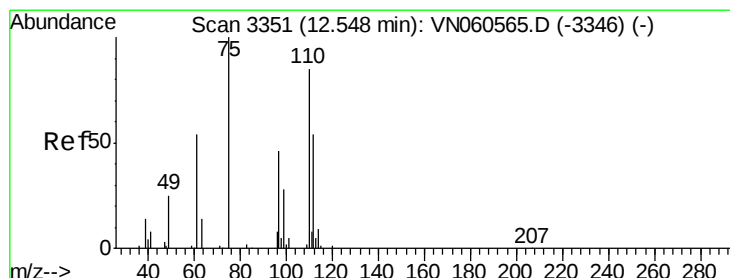
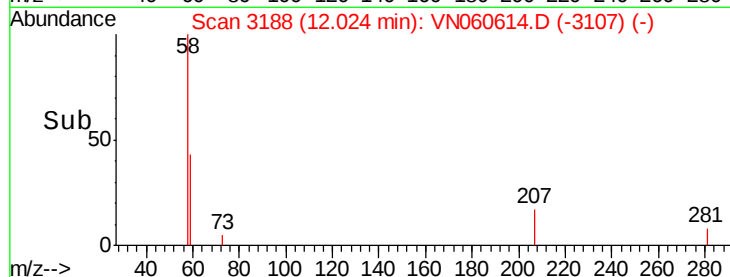
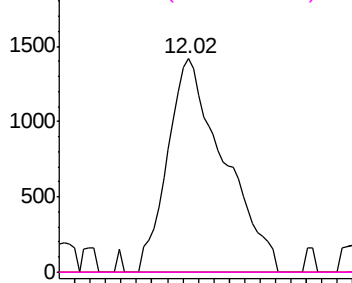


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 70.00 (69.70 to 70.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 61.00 (60.70 to 61.70): VNO



#76

1,2,3-Trichloropropane

Concen: 25.151 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060614.D

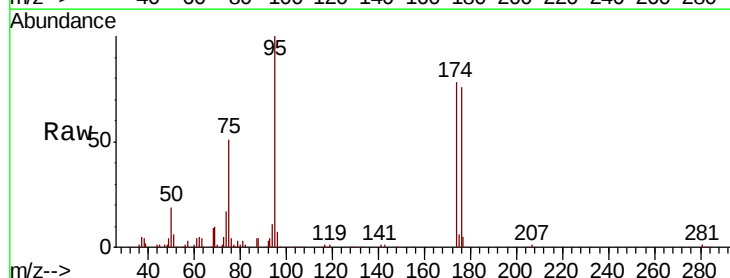
Acq: 19 Mar 2020 00:43

Tgt Ion: 75 Resp: 77807

Ion Ratio Lower Upper

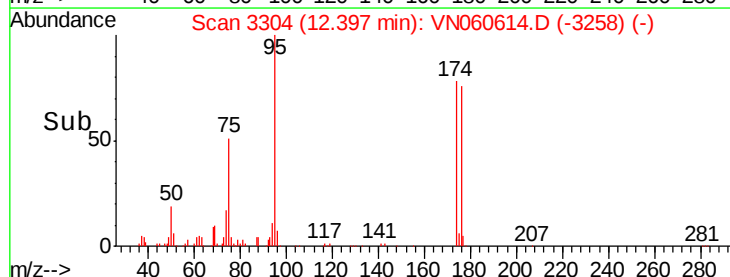
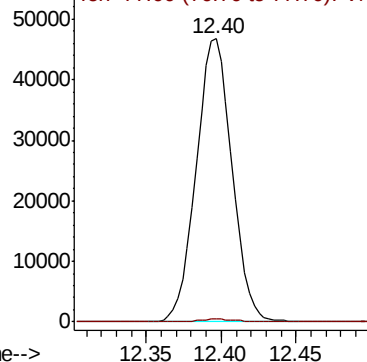
75 100

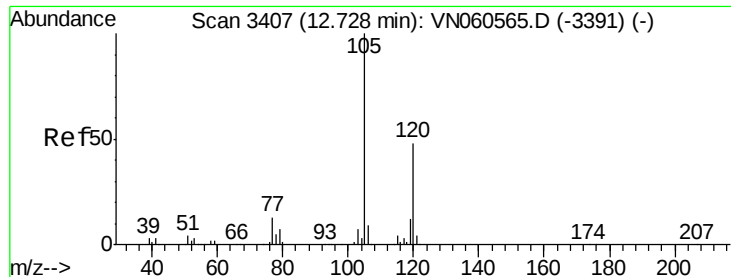
77 0.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO





#80

1,3,5-Trimethylbenzene

Concen: 0.400 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN060614.D

Acq: 19 Mar 2020 00:43

Instrument :

MSVOA_N

ClientSampleId :

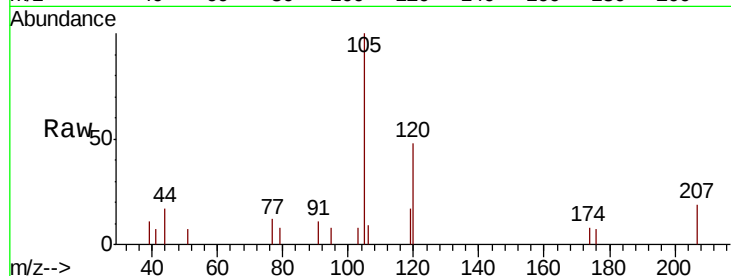
PB127624TB

Tot Ion:105 Resp: 3651

Ion Ratio Lower Upper

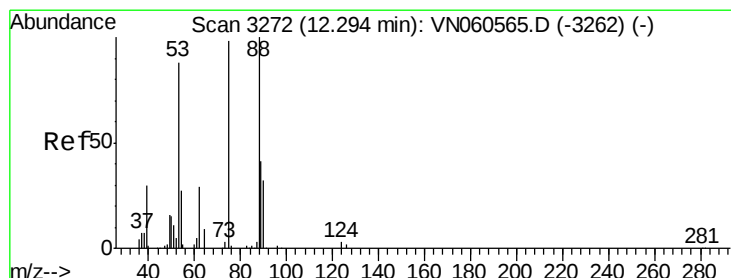
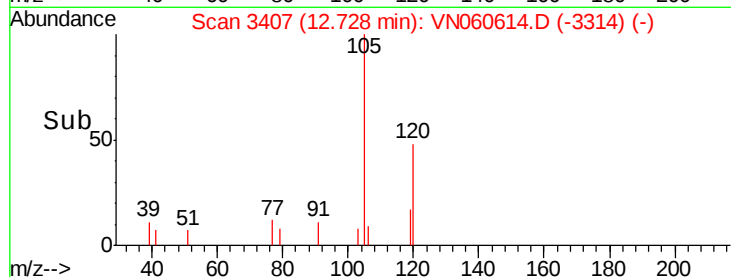
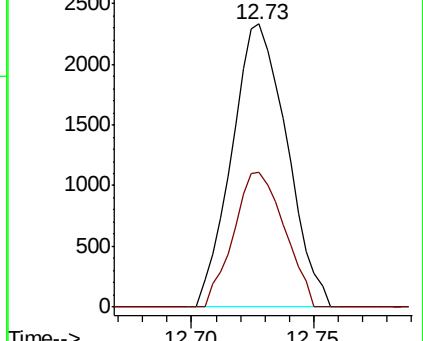
105 100

120 44.0 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 64.594 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060614.D

Acq: 19 Mar 2020 00:43

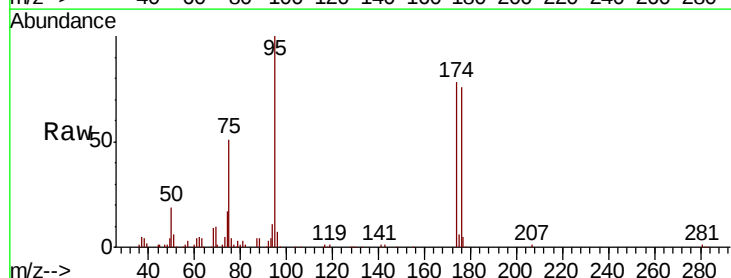
Tgt Ion: 75 Resp: 77807

Ion Ratio Lower Upper

75 100

53 0.0 73.0 109.4#

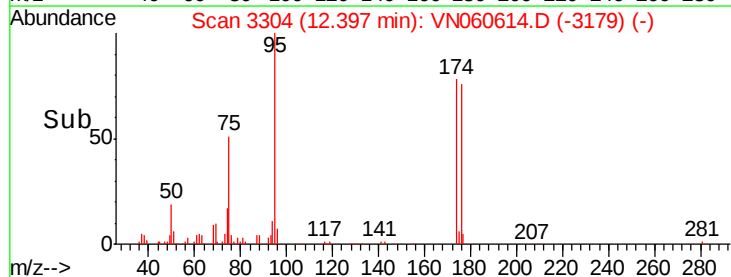
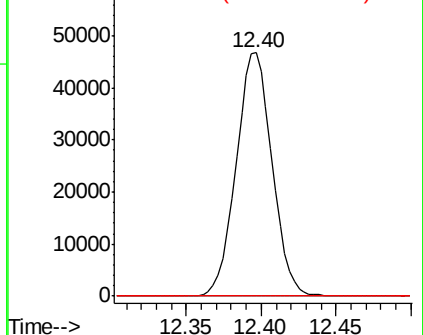
89 0.0 34.8 52.2#

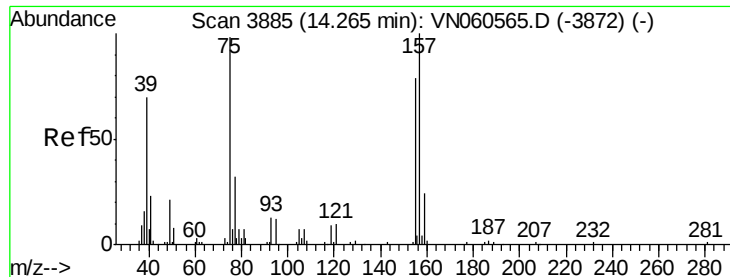


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.53 min Scan# 3966

Delta R.T. 0.26 min

Lab File: VN060614.D

Acq: 19 Mar 2020 00:43

Instrument :

MSVOA_N

ClientSampleId :

PB127624TB

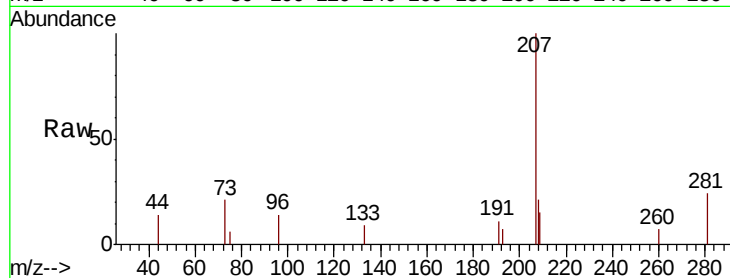
Tot Ion: 75 Resp: 29

Ion Ratio Lower Upper

75 100

155 0.0 40.7 122.1#

157 0.0 51.5 154.7#



Abundance Ion 74.90 (74.60 to 75.60): VN060614.D (-3791) (-)

Ion 154.80 (154.50 to 155.50): VN060614.D (-3791) (-)

Ion 156.80 (156.50 to 157.50): VN060614.D (-3791) (-)

