

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030320\
 Data File : VN060327.D
 Acq On : 3 Mar 2020 14:19
 Operator : JC/MD
 Sample : PB127227ZHE#13
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 04 01:14:14 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	194948	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	313280	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	302253	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	142269	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	124157	49.64	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.28%	
35) Dibromofluoromethane	7.57	113	88207	60.66	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	121.32%	
50) Toluene-d8	10.08	98	393324	53.44	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	106.88%	
62) 4-Bromofluorobenzene	12.40	95	147816	52.98	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	105.96%	

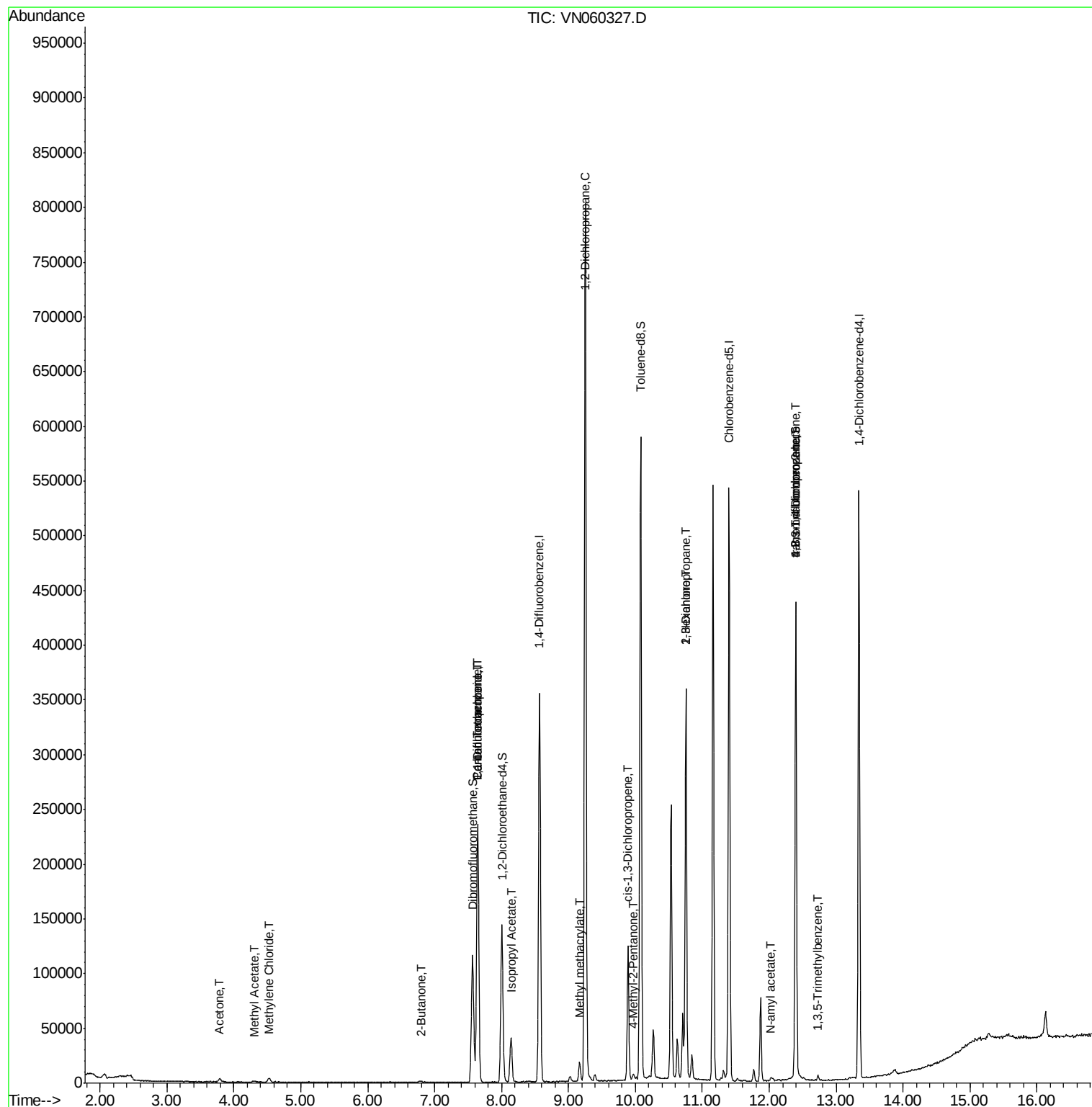
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	5489	6.796	ug/l	99
17) Carbon Disulfide	4.03	76	62	Below Cal	#	75
18) Methyl Acetate	4.29	43	1433	0.532	ug/l #	52
20) Methylene Chloride	4.53	84	2814	1.269	ug/l	95
25) 2-Butanone	6.80	43	311	0.238	ug/l #	49
31) Cyclohexane	7.64	56	4261	Below Cal	#	2
36) 1,1-Dichloropropene	7.64	75	15290	5.121	ug/l #	49
38) Carbon Tetrachloride	7.64	117	18915	6.507	ug/l #	16
43) Isopropyl Acetate	8.14	43	49189	9.939	ug/l #	90
45) 1,2-Dichloropropane	9.25	63	946	0.416	ug/l #	44
48) Methyl methacrylate	9.17	41	2651	1.175	ug/l #	13
51) 4-Methyl-2-Pentanone	9.97	43	4027	1.435	ug/l	91
54) cis-1,3-Dichloropropene	9.89	75	21530	5.655	ug/l #	58
57) 1,3-Dichloropropane	10.75	76	3744	1.046	ug/l #	42
59) 2-Hexanone	10.75	43	51733	25.109	ug/l #	52
74) N-amyl acetate	12.02	43	3167	0.687	ug/l #	44
76) 1,2,3-Trichloropropane	12.40	75	77227	24.741	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	2724	0.307	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.40	75	77227	68.297	ug/l #	8
87) 1,3-Dichlorobenzene	13.28	146	104	Below Cal	#	25
88) 1,4-Dichlorobenzene	13.36	146	268	Below Cal	#	13
95) Naphthalene	15.13	128	619	Below Cal	#	69
96) 1,2,3-Trichlorobenzene	15.31	180	158	Below Cal	#	22

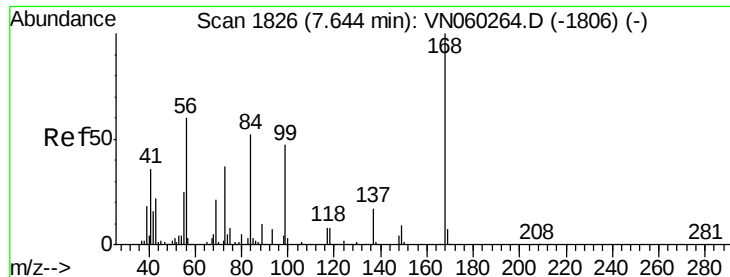
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN030320\
Data File : VN060327.D
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Instrument :
MSVOA_N
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Quant Time: Mar 04 01:14:14 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
Quant Title : SW846 8260
QLast Update : Thu Feb 27 13:52:50 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN060327.D

Acq: 3 Mar 2020 14:19

Instrument :

MSVOA_N

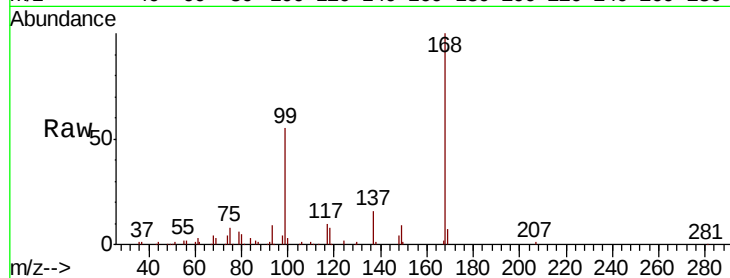
ClientSampleId :

Tot Ion:168 Resp: 194948

Ion Ratio Lower Upper

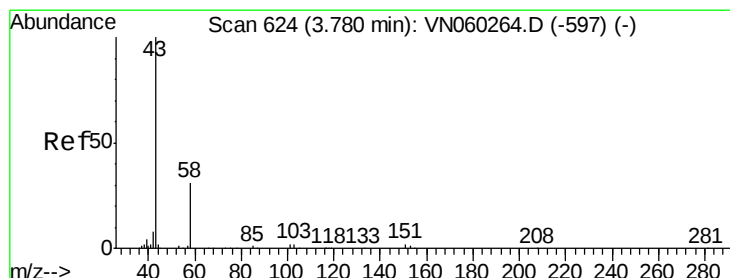
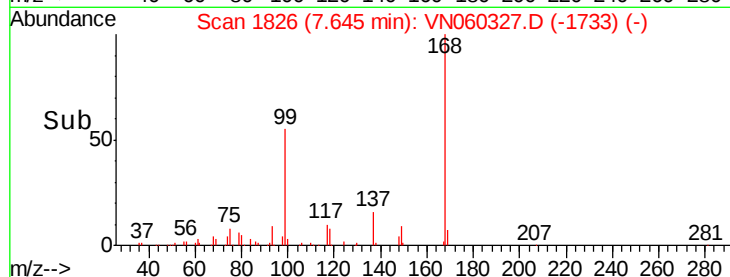
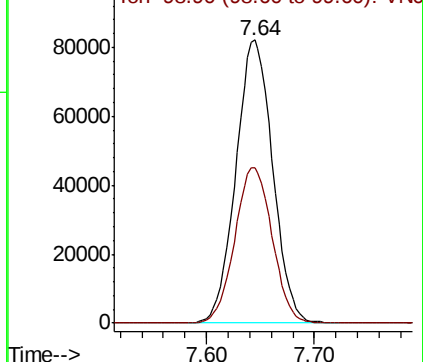
168 100

99 55.0 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#16

Acetone

Concen: 6.796 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.00 min

Lab File: VN060327.D

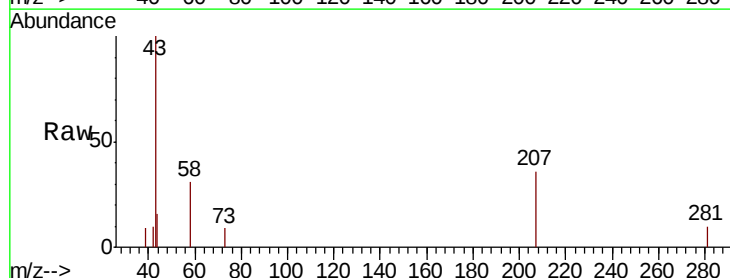
Acq: 3 Mar 2020 14:19

Tgt Ion: 43 Resp: 5489

Ion Ratio Lower Upper

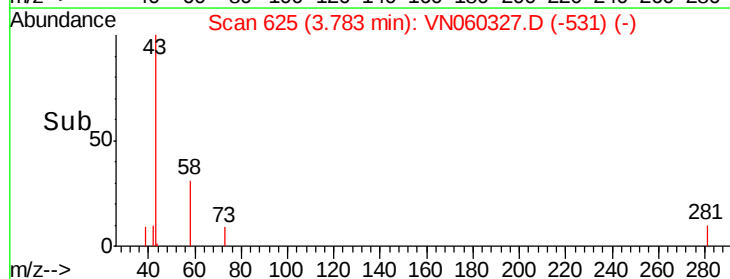
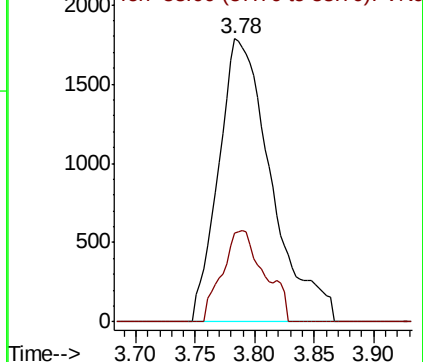
43 100

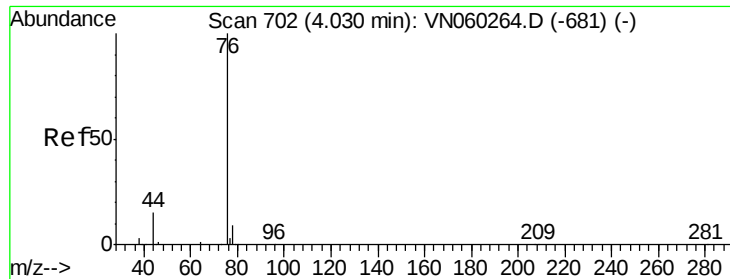
58 31.2 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN





#17

Carbon Disulfide

Concen: Below Cal

RT: 4.03 min Scan# 703

Delta R.T. 0.00 min

Lab File: VN060327.D

Acq: 3 Mar 2020 14:19

Instrument :

MSVOA_N

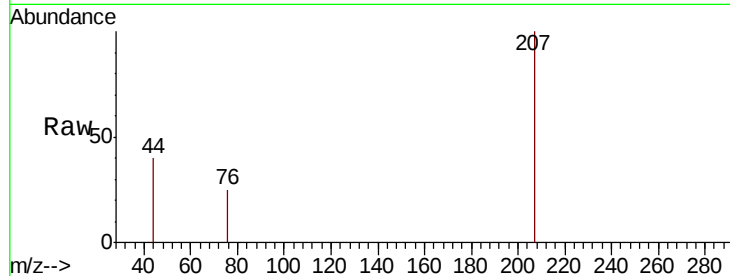
ClientSampleId :

Tot Ion: 76 Resp: 62

Ion Ratio Lower Upper

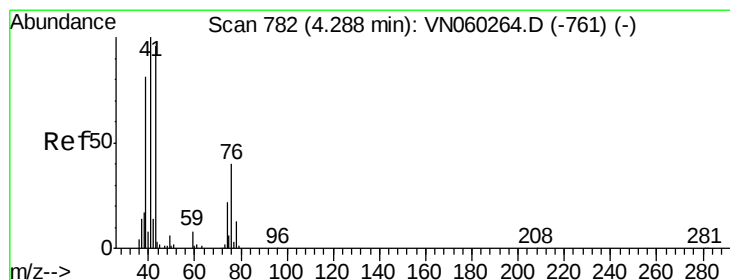
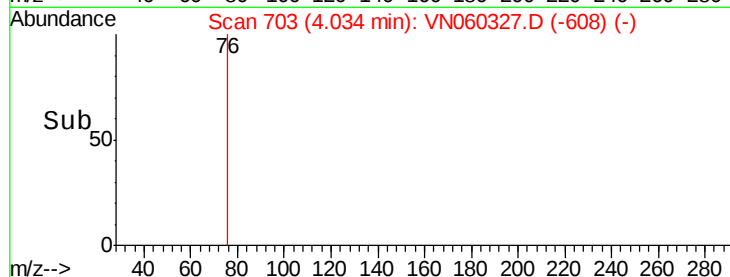
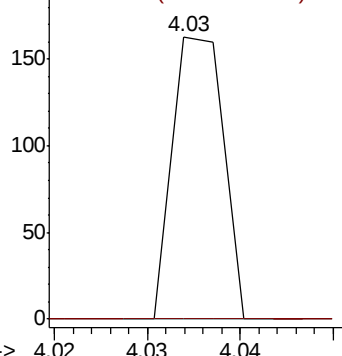
76 100

78 0.0 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 0.532 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.01 min

Lab File: VN060327.D

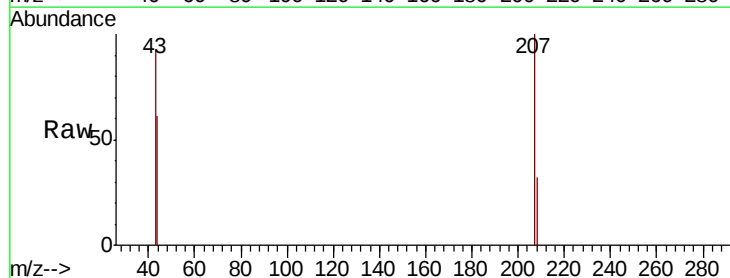
Acq: 3 Mar 2020 14:19

Tgt Ion: 43 Resp: 1433

Ion Ratio Lower Upper

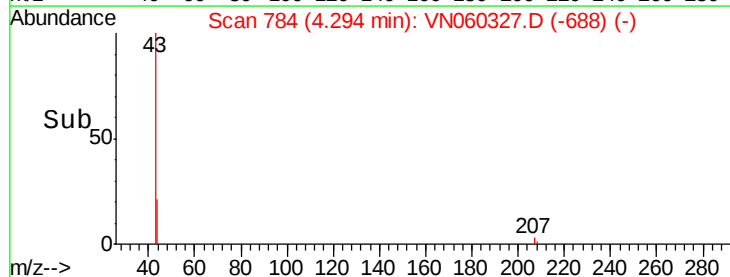
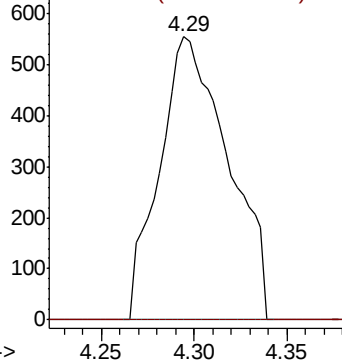
43 100

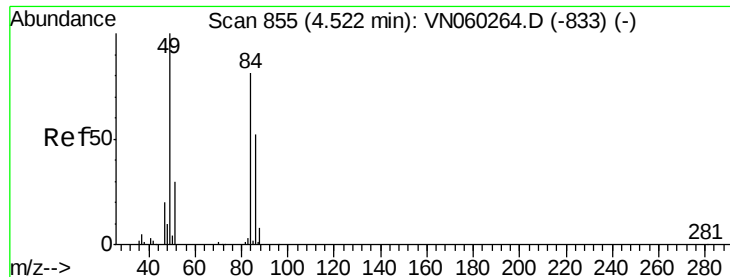
74 0.0 18.8 28.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

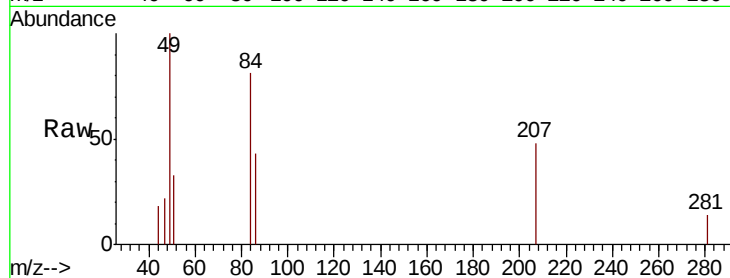




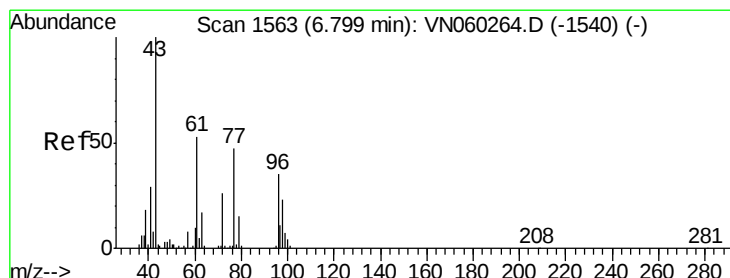
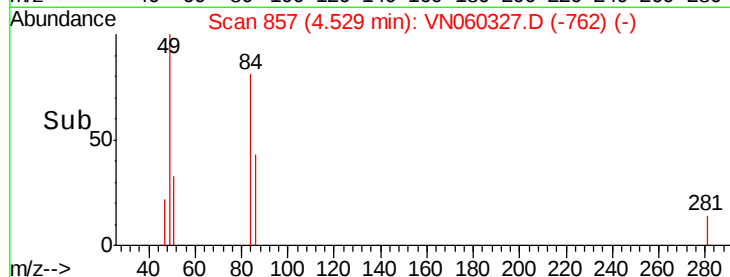
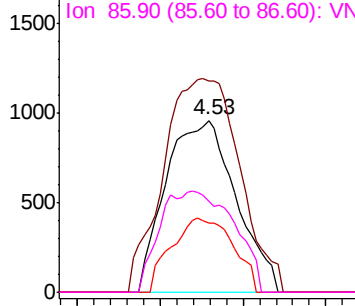
#20
Methvlene Chloride
Concen: 1.269 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.01 min
Lab File: VN060327.D
Acq: 3 Mar 2020 14:19

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:	84	Resp:	2814
Ion	Ratio	Lower	Upper
84	100		
49	123.0	99.3	148.9
51	40.5	30.1	45.1
86	52.6	51.1	76.7

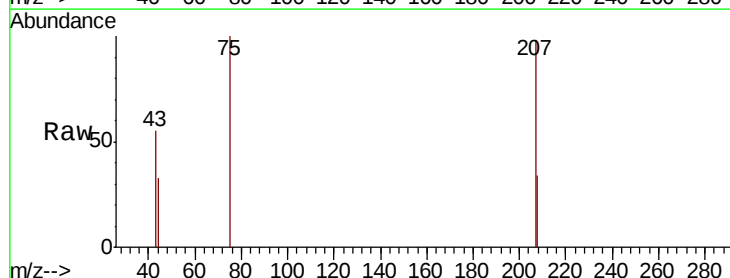


Abundance Ion 83.90 (83.60 to 84.60): VNO
Ion 48.90 (48.60 to 49.60): VNO
Ion 50.90 (50.60 to 51.60): VNO
Ion 85.90 (85.60 to 86.60): VNO

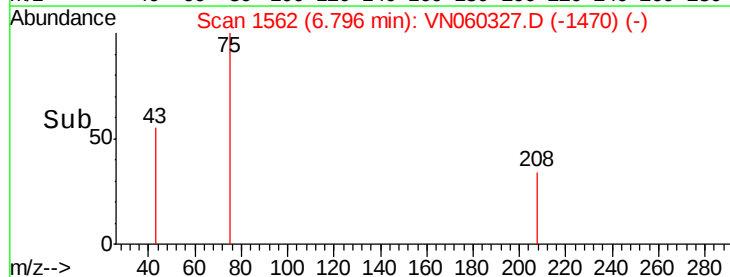
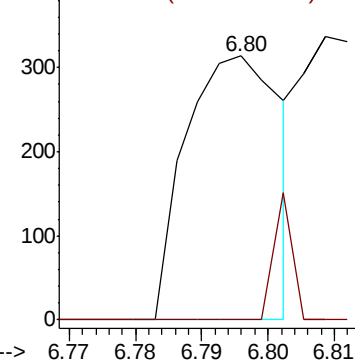


#25
2-Butanone
Concen: 0.238 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. -0.00 min
Lab File: VN060327.D
Acq: 3 Mar 2020 14:19

Tgt Ion:	43	Resp:	311
Ion	Ratio	Lower	Upper
43	100		
72	0.0	20.9	31.3#



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 72.00 (71.70 to 72.70): VNO





#33

1,2-Dichloroethane-d4

Concen: 49.639 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VN060327.D

Acq: 3 Mar 2020 14:19

Instrument :

MSVOA_N

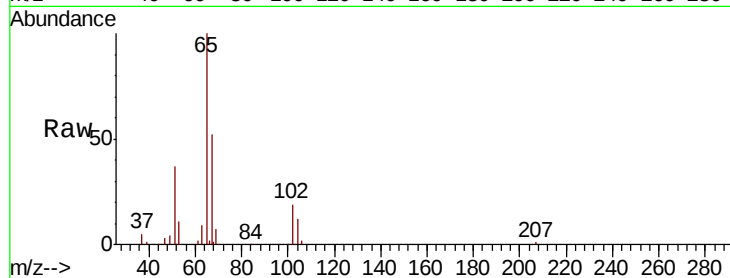
ClientSampled :

Tot Ion: 65 Resp: 124157

Ion Ratio Lower Upper

65 100

67 51.7 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VN060327.D (-1845) (-)

Ion 66.90 (66.60 to 67.60): VN060327.D (-1845) (-)

8.00

60000

50000

40000

30000

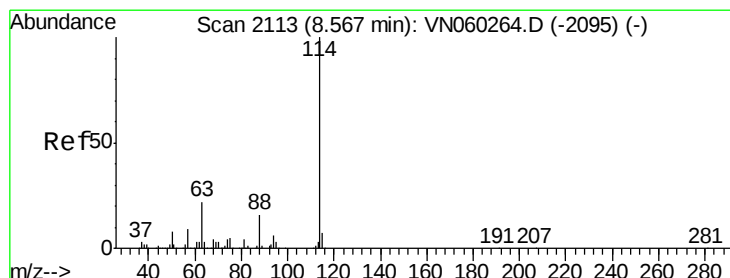
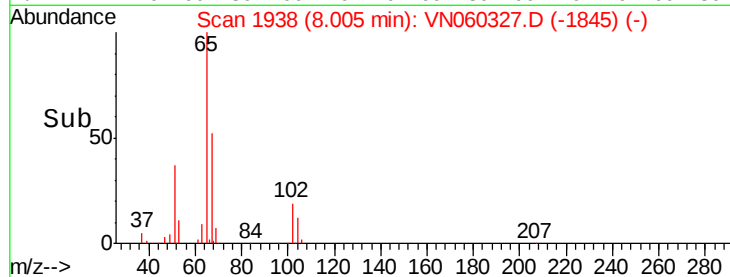
20000

10000

0

7.90 8.00 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. 0.00 min

Lab File: VN060327.D

Acq: 3 Mar 2020 14:19

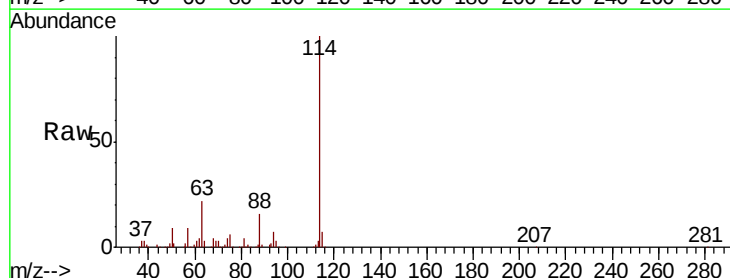
Tgt Ion: 114 Resp: 313280

Ion Ratio Lower Upper

114 100

63 21.9 0.0 43.2

88 16.3 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): VN060327.D (-2020) (-)

Ion 63.00 (62.70 to 63.70): VN060327.D (-2020) (-)

Ion 87.90 (87.60 to 88.60): VN060327.D (-2020) (-)

200000

150000

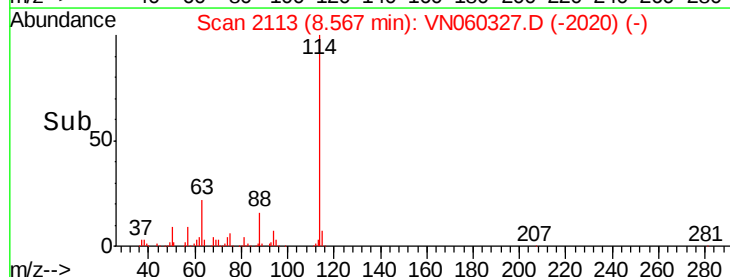
100000

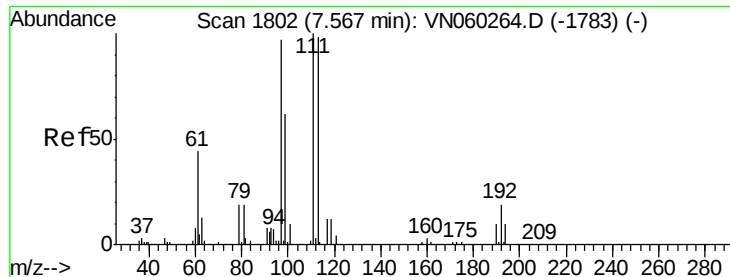
50000

0

8.50 8.57 8.70

Time-->





#35

Dibromofluoromethane

Concen: 60.659 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN060327.D

Acq: 3 Mar 2020 14:19

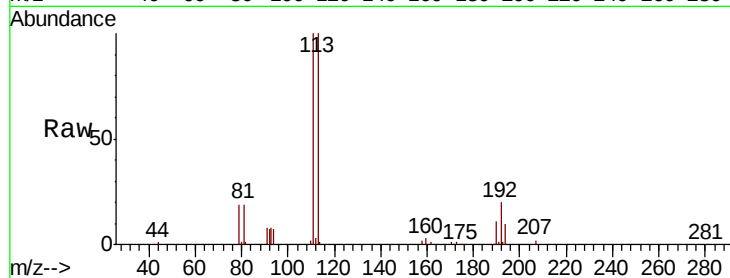
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:113 Resp: 88207

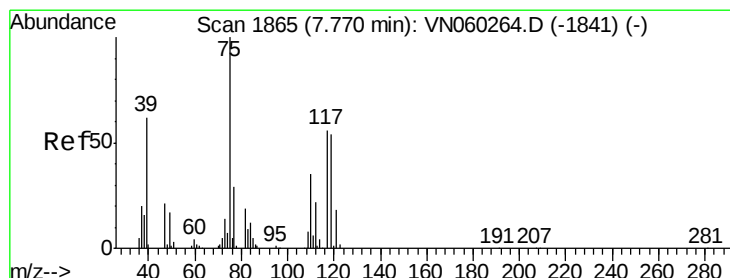
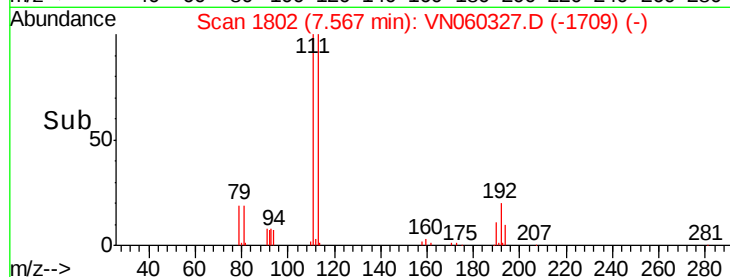
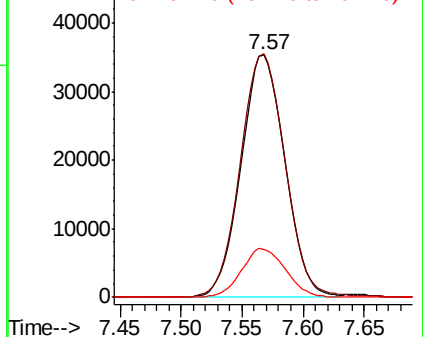
Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.4	123.6
192	20.0	16.2	24.2



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: 5.121 ug/l

RT: 7.64 min Scan# 1826

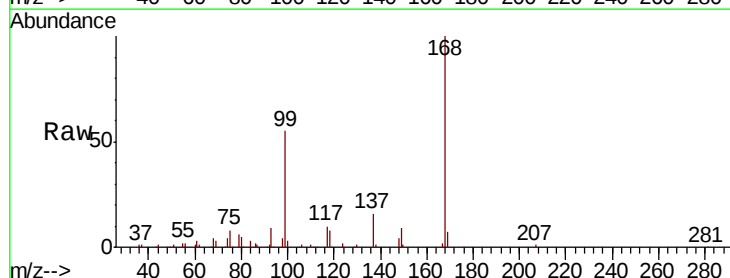
Delta R.T. -0.13 min

Lab File: VN060327.D

Acq: 3 Mar 2020 14:19

Tgt Ion: 75 Resp: 15290

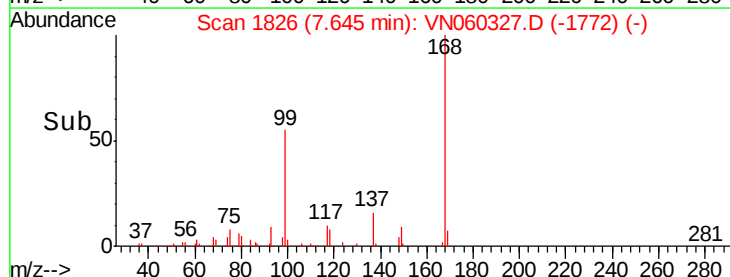
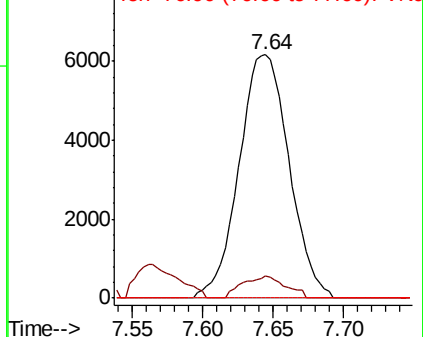
Ion	Ratio	Lower	Upper
75	100		
110	7.8	17.3	52.0#
77	0.0	24.2	36.2#

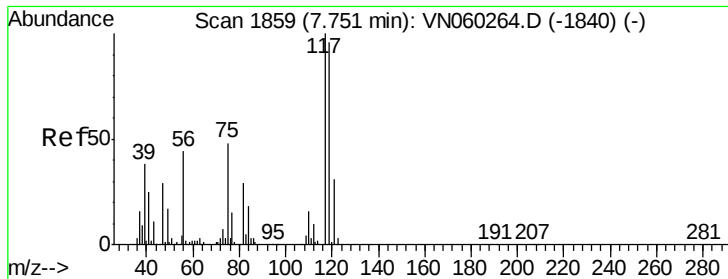


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 6.507 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.11 min

Lab File: VN060327.D

Acq: 3 Mar 2020 14:19

Instrument :

MSVOA_N

ClientSampled :

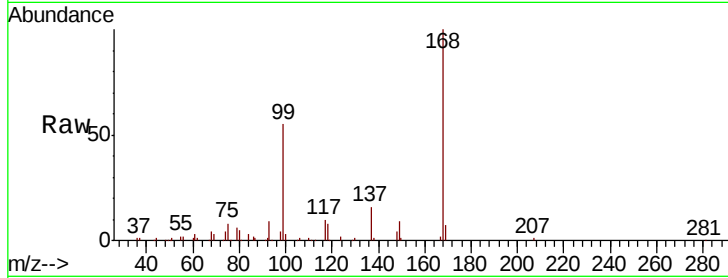
Tot Ion:117 Resp: 18915

Ion Ratio Lower Upper

117 100

119 5.0 76.7 115.1#

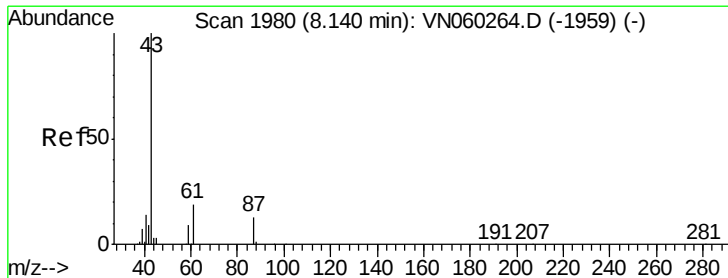
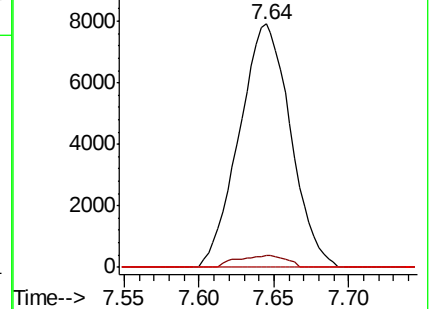
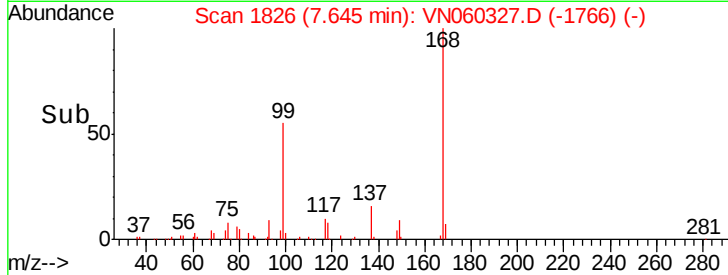
121 0.0 24.5 36.7#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 9.939 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. 0.00 min

Lab File: VN060327.D

Acq: 3 Mar 2020 14:19

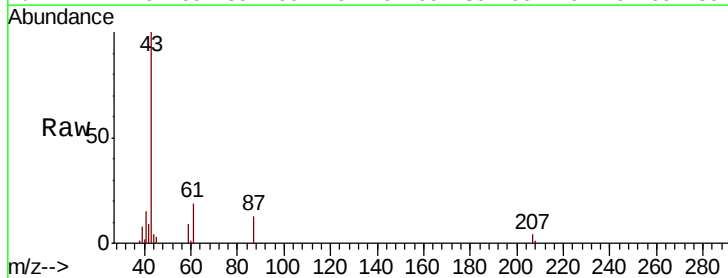
Tgt Ion: 43 Resp: 49189

Ion Ratio Lower Upper

43 100

61 18.7 20.9 31.3#

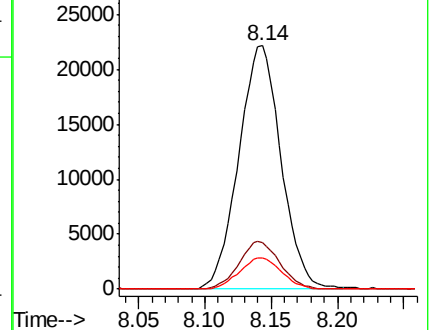
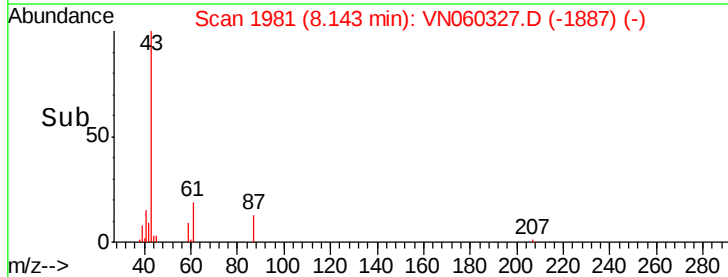
87 12.6 10.6 16.0

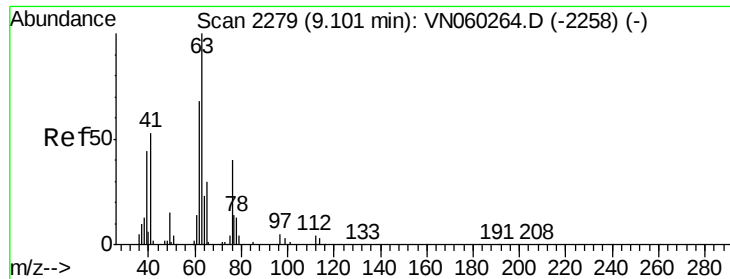


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#45

1,2-Dichloropropane

Concen: 0.416 ug/l

RT: 9.25 min Scan# 2326

Delta R.T. 0.15 min

Lab File: VN060327.D

Acq: 3 Mar 2020 14:19

Instrument :

MSVOA_N

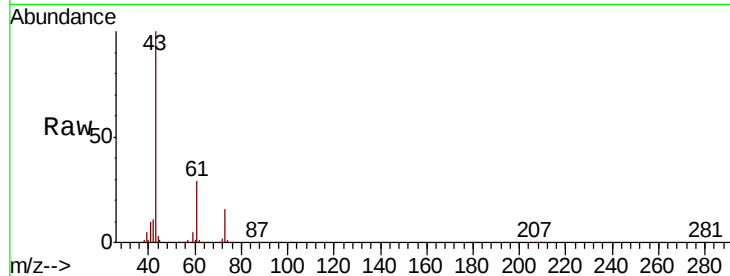
ClientSampleId :

Tot Ion: 63 Resp: 946

Ion Ratio Lower Upper

63 100

65 0.0 24.4 36.6#



Abundance Ion 62.90 (62.60 to 63.60): VNC

Ion 64.90 (64.60 to 65.60): VNC

9.25

600

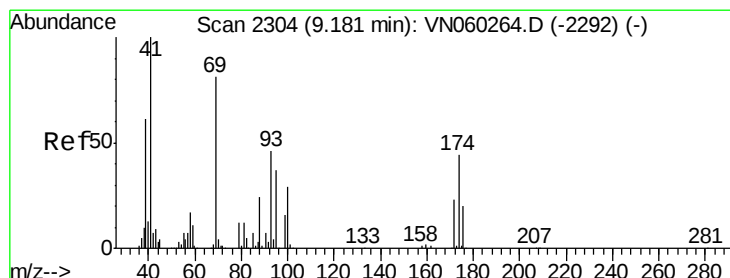
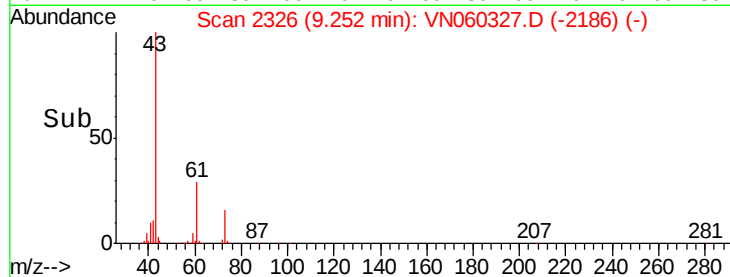
400

200

0

9.22 9.24 9.26 9.28

Time-->



#48

Methyl methacrylate

Concen: 1.175 ug/l

RT: 9.17 min Scan# 2299

Delta R.T. -0.02 min

Lab File: VN060327.D

Acq: 3 Mar 2020 14:19

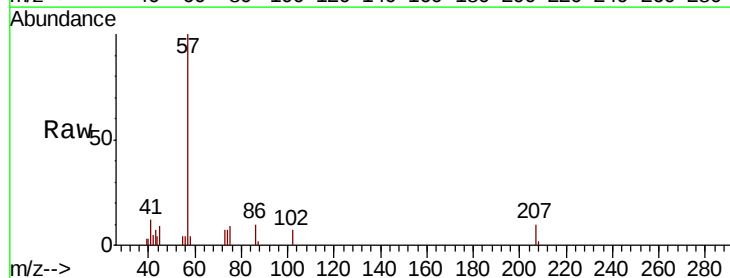
Tgt Ion: 41 Resp: 2651

Ion Ratio Lower Upper

41 100

69 0.0 66.7 100.1#

39 0.0 50.1 75.1#



Abundance Ion 41.00 (40.70 to 41.70): VNC

Ion 69.00 (68.70 to 69.70): VNC

Ion 39.00 (38.70 to 39.70): VNC

40000

30000

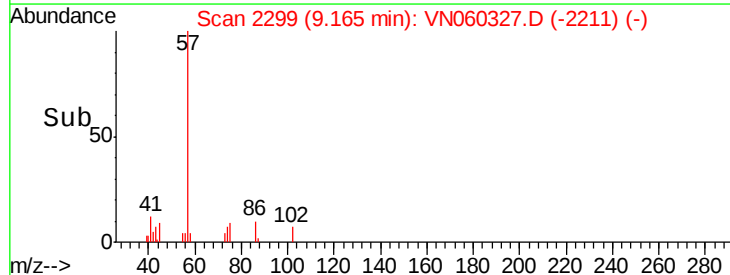
20000

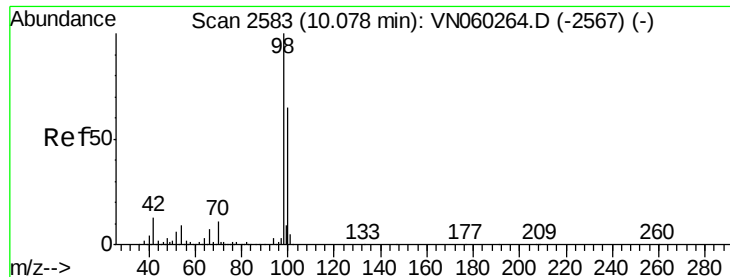
10000

0

9.10 9.15 9.20

Time-->





#50

Toluene-d8

Concen: 53.444 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN060327.D

Acq: 3 Mar 2020 14:19

Instrument :

MSVOA_N

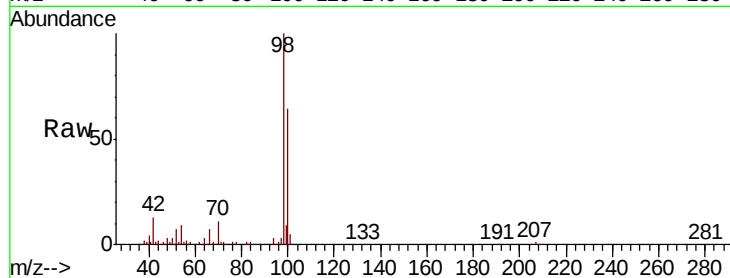
ClientSampleId :

Tot Ion: 98 Resp: 393324

Ion Ratio Lower Upper

98 100

100 64.3 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

10.08

250000

200000

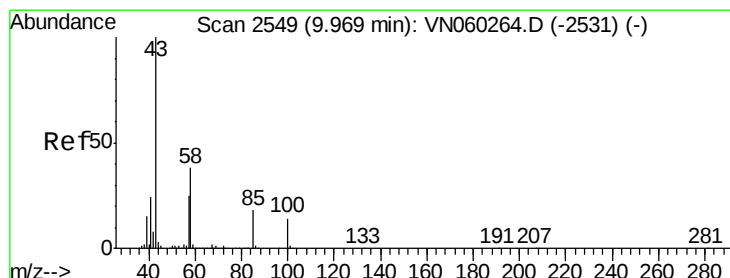
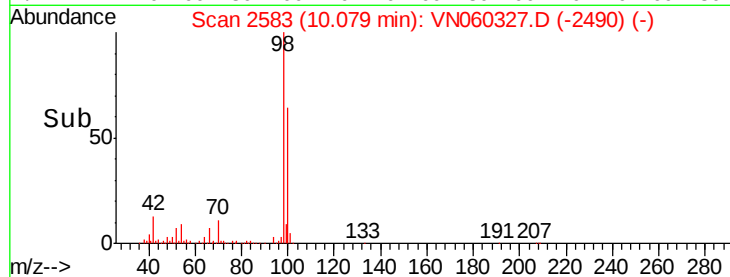
150000

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.435 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN060327.D

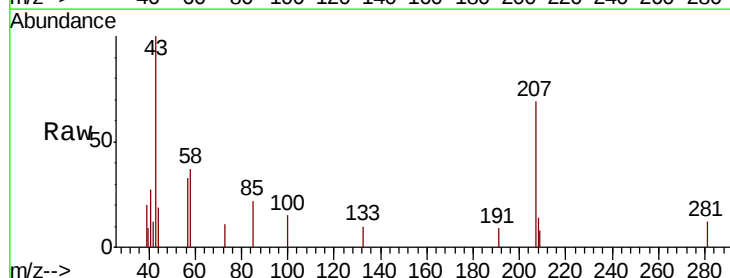
Acq: 3 Mar 2020 14:19

Tgt Ion: 43 Resp: 4027

Ion Ratio Lower Upper

43 100

58 33.3 30.9 46.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

8000

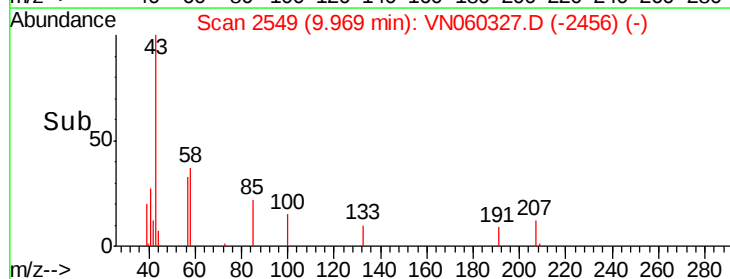
6000

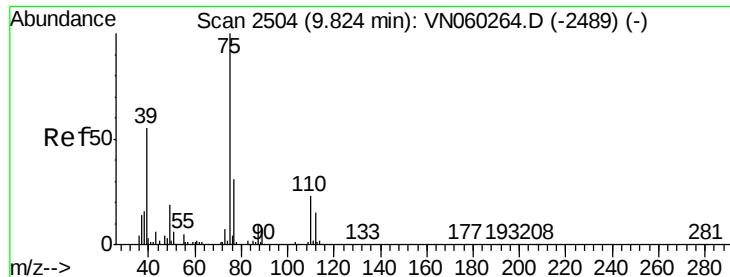
4000

2000

0

Time-->





#54

cis-1,3-Dichloropropene

Concen: 5.655 ug/l

RT: 9.89 min Scan# 2524

Delta R.T. 0.06 min

Lab File: VN060327.D

Acq: 3 Mar 2020 14:19

Instrument :

MSVOA_N

ClientSampleId :

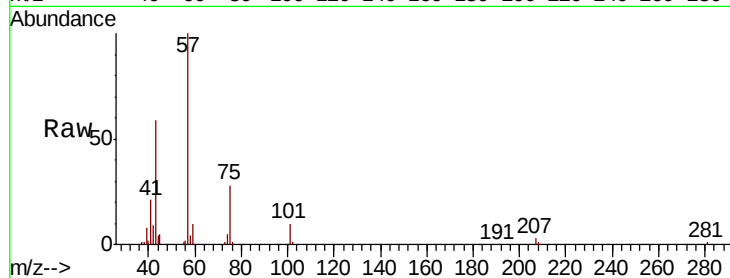
Tot Ion: 75 Resp: 21530

Ion Ratio Lower Upper

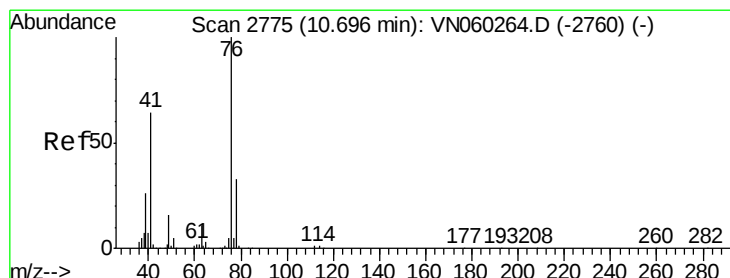
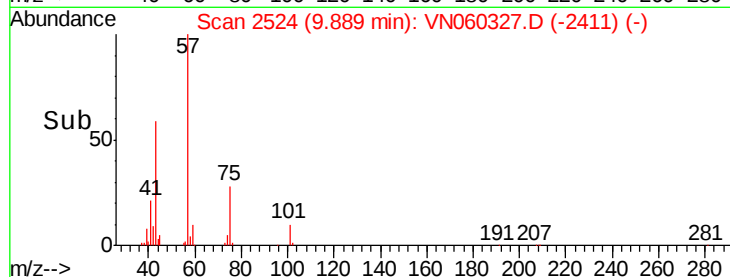
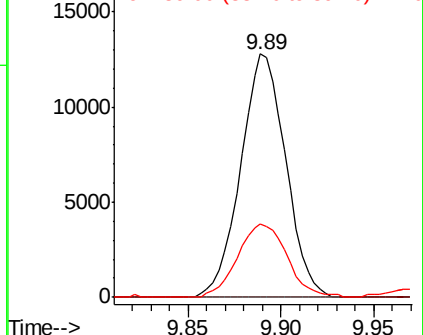
75 100

77 0.0 24.8 37.2#

39 29.9 43.8 65.8#



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: 1.046 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.06 min

Lab File: VN060327.D

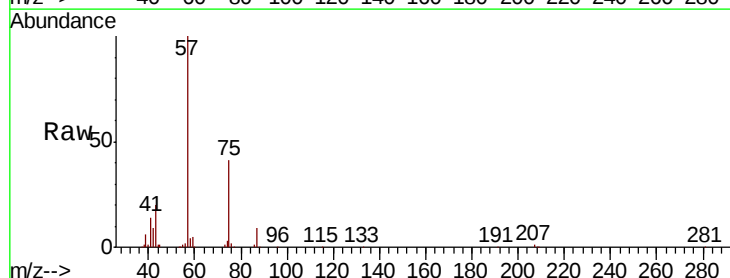
Acq: 3 Mar 2020 14:19

Tgt Ion: 76 Resp: 3744

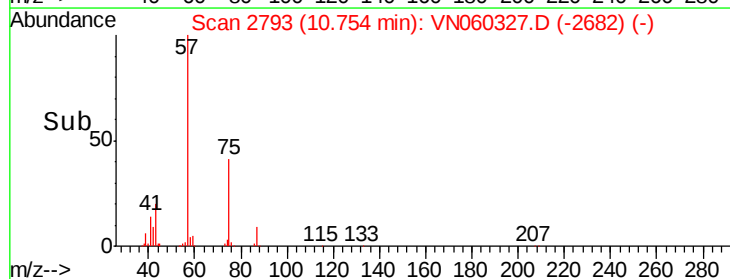
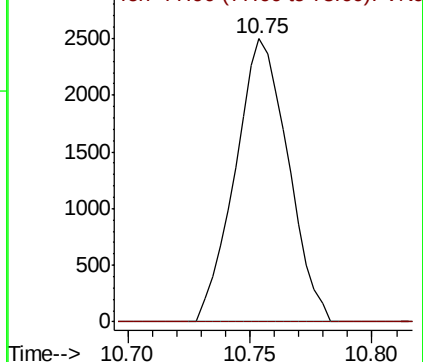
Ion Ratio Lower Upper

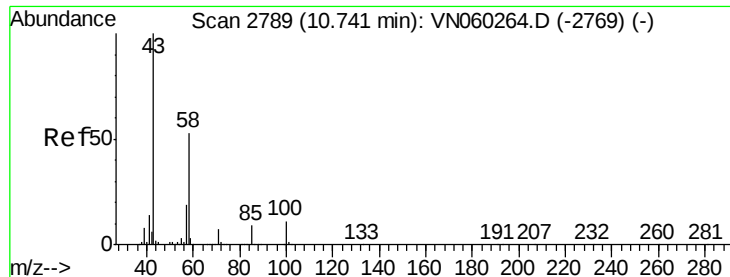
76 100

78 0.0 26.2 39.2#



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

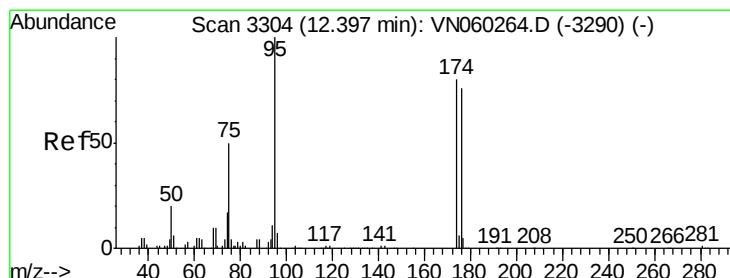
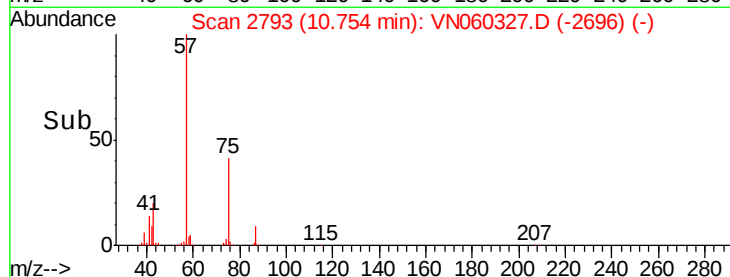
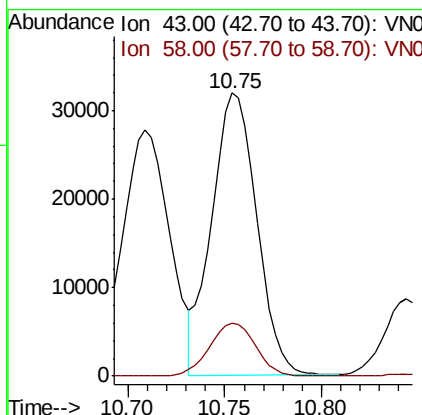
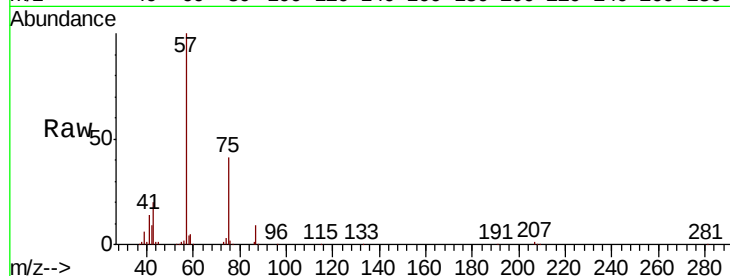




#59
2-Hexanone
Concen: 25.109 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.01 min
Lab File: VN060327.D
Acq: 3 Mar 2020 14:19

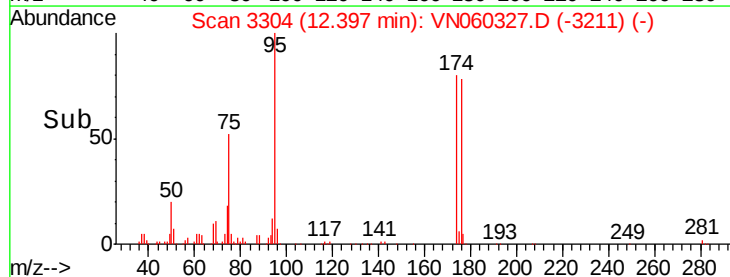
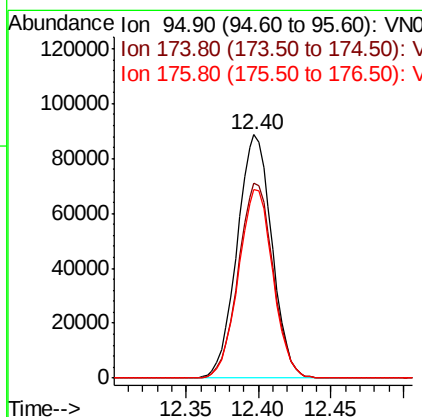
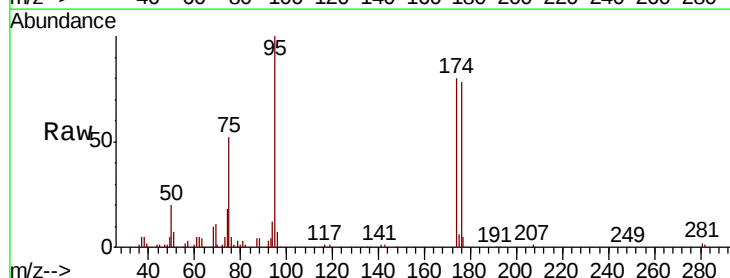
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 51733
Ion Ratio Lower Upper
43 100
58 19.2 26.5 79.5#



#62
4-Bromofluorobenzene
Concen: 52.984 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN060327.D
Acq: 3 Mar 2020 14:19

Tgt Ion: 95 Resp: 147816
Ion Ratio Lower Upper
95 100
174 80.4 0.0 159.2
176 77.1 0.0 153.8

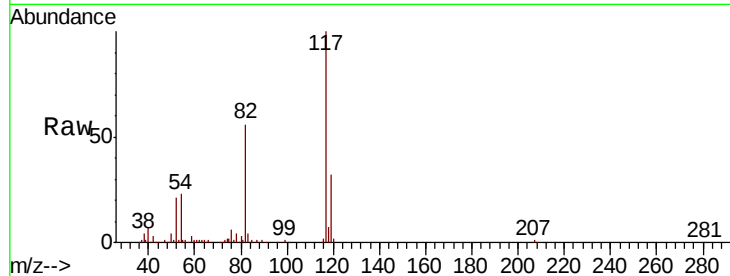




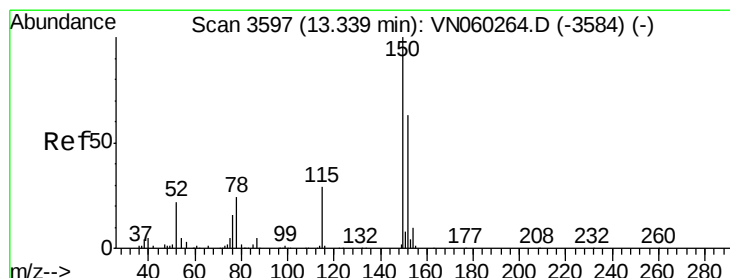
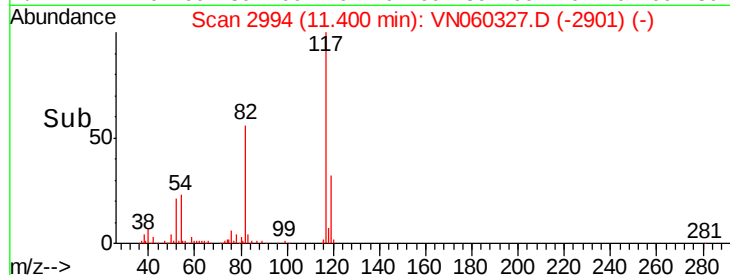
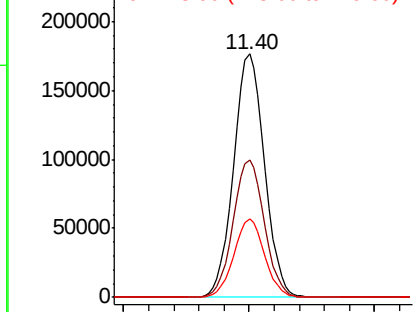
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060327.D
Acq: 3 Mar 2020 14:19

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 302253
Ion Ratio Lower Upper
117 100
82 56.3 45.8 68.6
119 32.2 25.8 38.8

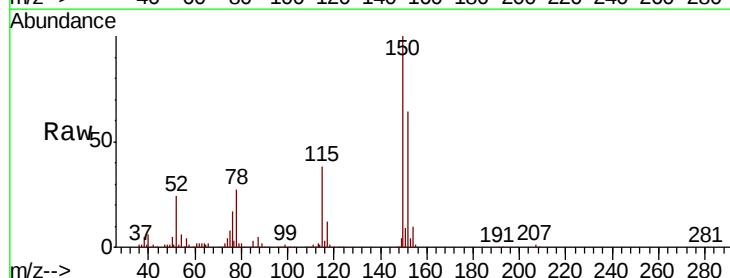


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

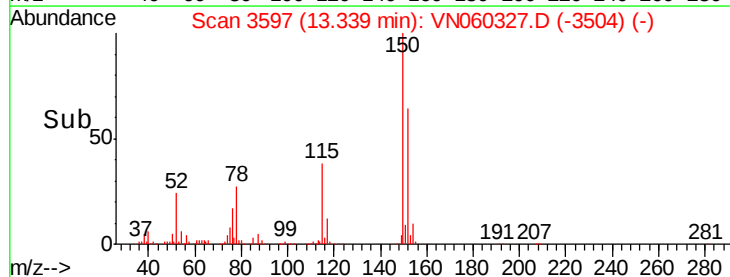
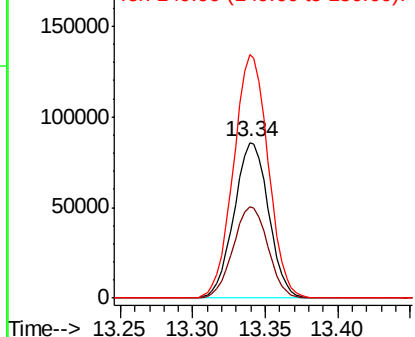


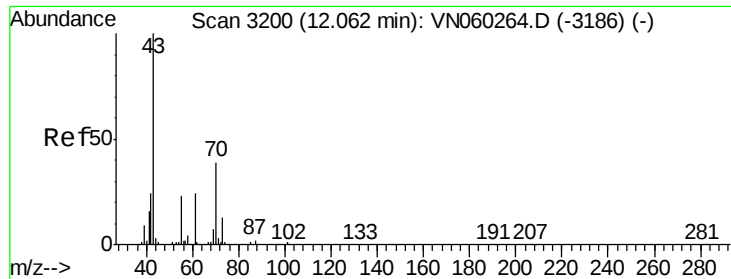
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN060327.D
Acq: 3 Mar 2020 14:19

Tgt Ion:152 Resp: 142269
Ion Ratio Lower Upper
152 100
115 59.1 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: 0.687 ug/l

RT: 12.02 min Scan# 3188

Delta R.T. -0.04 min

Lab File: VN060327.D

Acq: 3 Mar 2020 14:19

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 43 Resp: 3167

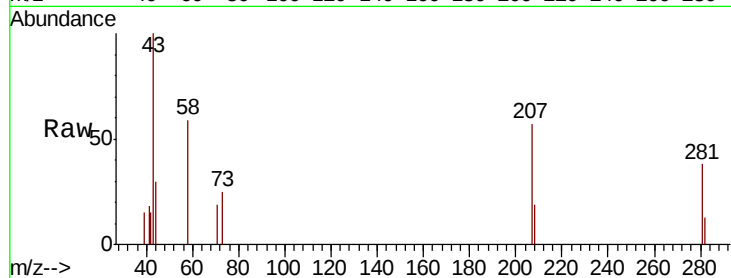
Ion Ratio Lower Upper

43 100

70 0.0 32.2 48.2#

55 0.0 18.2 27.4#

61 0.0 19.2 28.8#

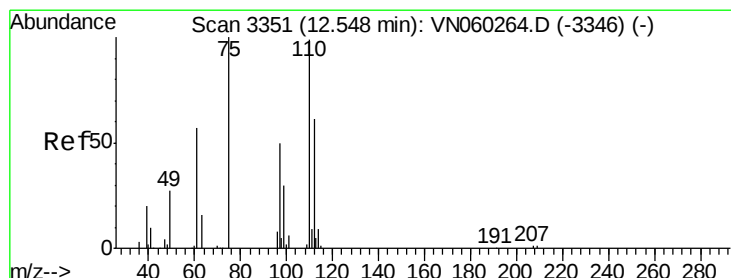
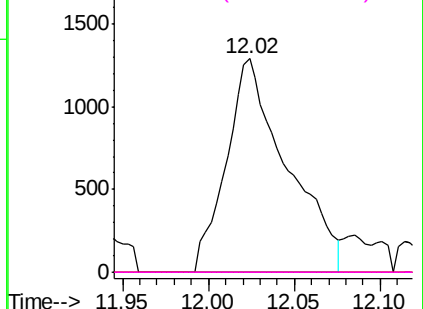
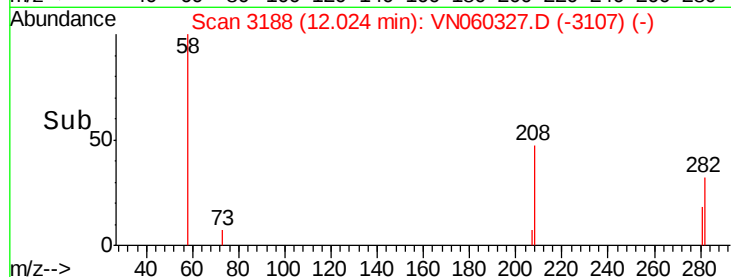


Abundance Ion 43.00 (42.70 to 43.70): VN0

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



#76

1,2,3-Trichloropropane

Concen: 24.741 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060327.D

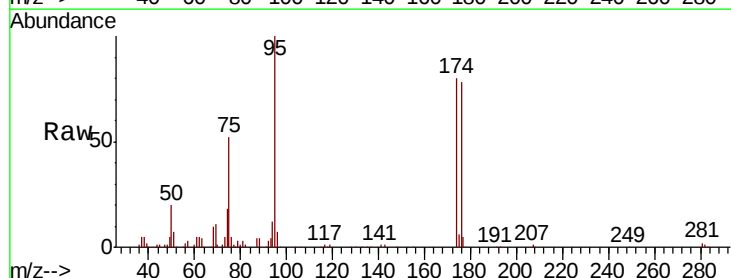
Acq: 3 Mar 2020 14:19

Tgt Ion: 75 Resp: 77227

Ion Ratio Lower Upper

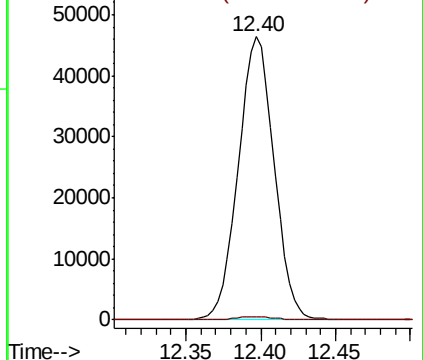
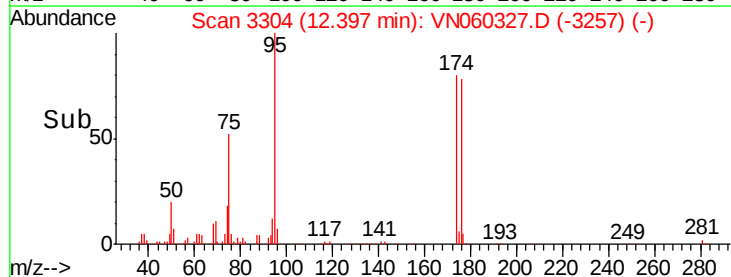
75 100

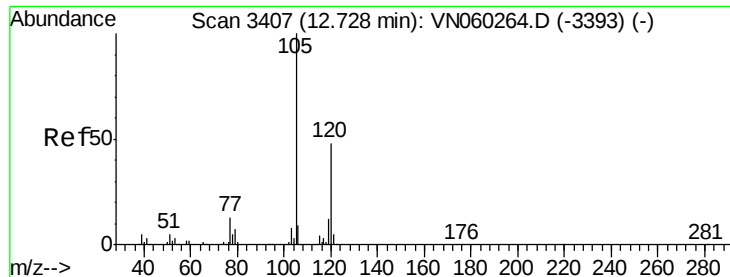
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

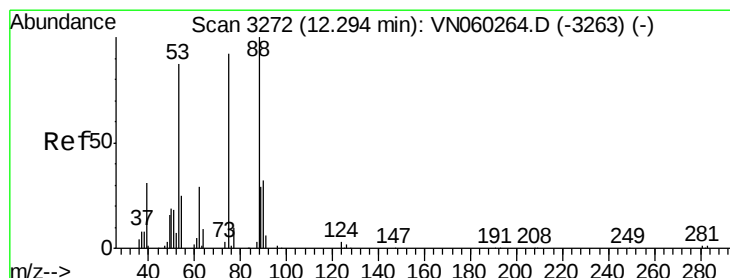
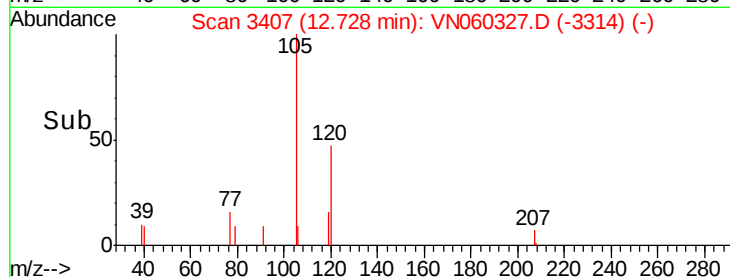
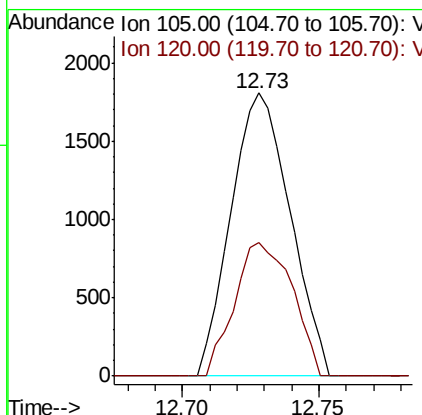
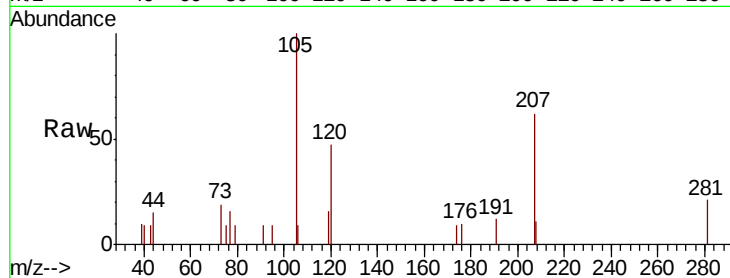




#80
 1,3,5-Trimethylbenzene
 Concen: 0.307 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. 0.00 min
 Lab File: VN060327.D
 Acq: 3 Mar 2020 14:19

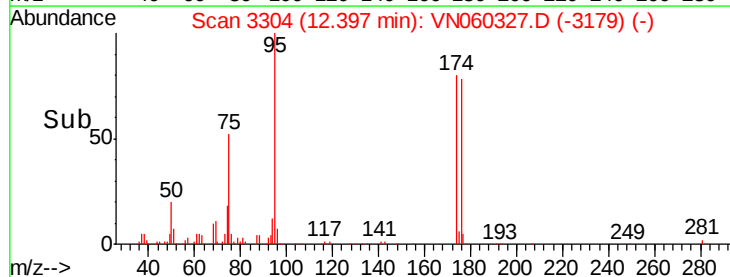
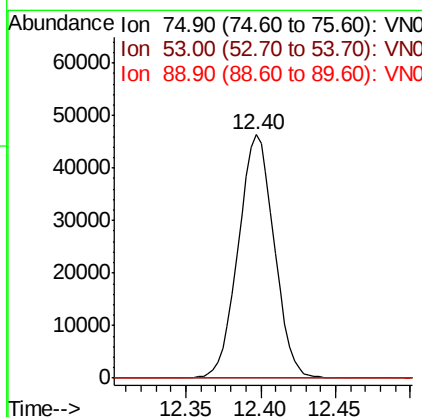
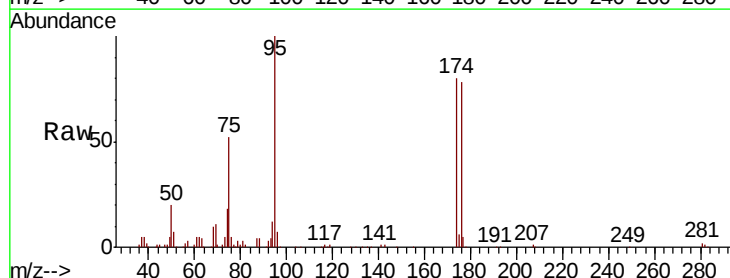
Instrument :
 MSVOA_N
 ClientSampled :

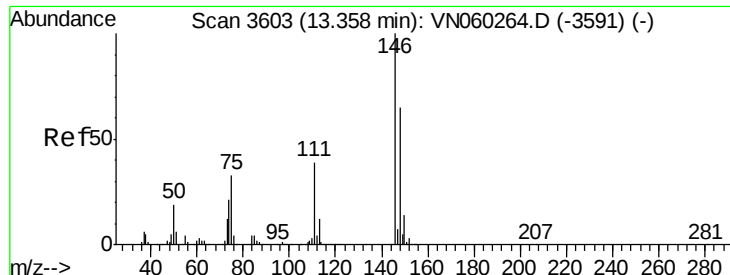
Tot Ion:105 Resp: 2724
 Ion Ratio Lower Upper
 105 100
 120 46.0 24.1 72.4



#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.297 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.10 min
 Lab File: VN060327.D
 Acq: 3 Mar 2020 14:19

Tgt Ion: 75 Resp: 77227
 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: 13.36 min Scan# 3602

Delta R.T. -0.00 min

Lab File: VN060327.D

Acq: 3 Mar 2020 14:19

Instrument :

MSVOA_N

ClientSampleId :

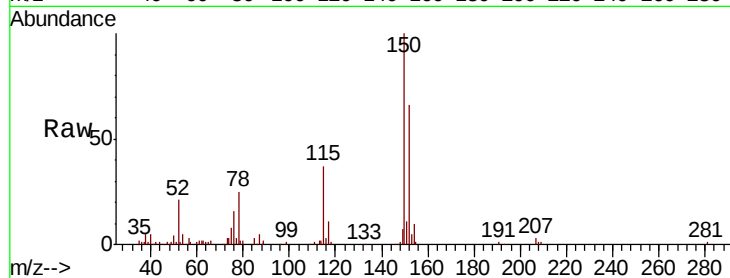
Tot Ion:146 Resp: 268

Ion Ratio Lower Upper

146 100

111 0.0 19.8 59.4#

148 144.4 32.3 96.9#



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

