

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031220\
 Data File : VN060483.D
 Acq On : 12 Mar 2020 16:41
 Operator : JC/MD
 Sample : PB127465ZHE#05
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB127465ZHE#05

Quant Time: Mar 13 02:05:57 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	189954	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	316773	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	299423	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	138389	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	124125	50.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.86%	
35) Dibromofluoromethane	7.57	113	94125	64.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	128.04%	
50) Toluene-d8	10.08	98	391723	52.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.28%	
62) 4-Bromofluorobenzene	12.40	95	148091	52.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.00%	

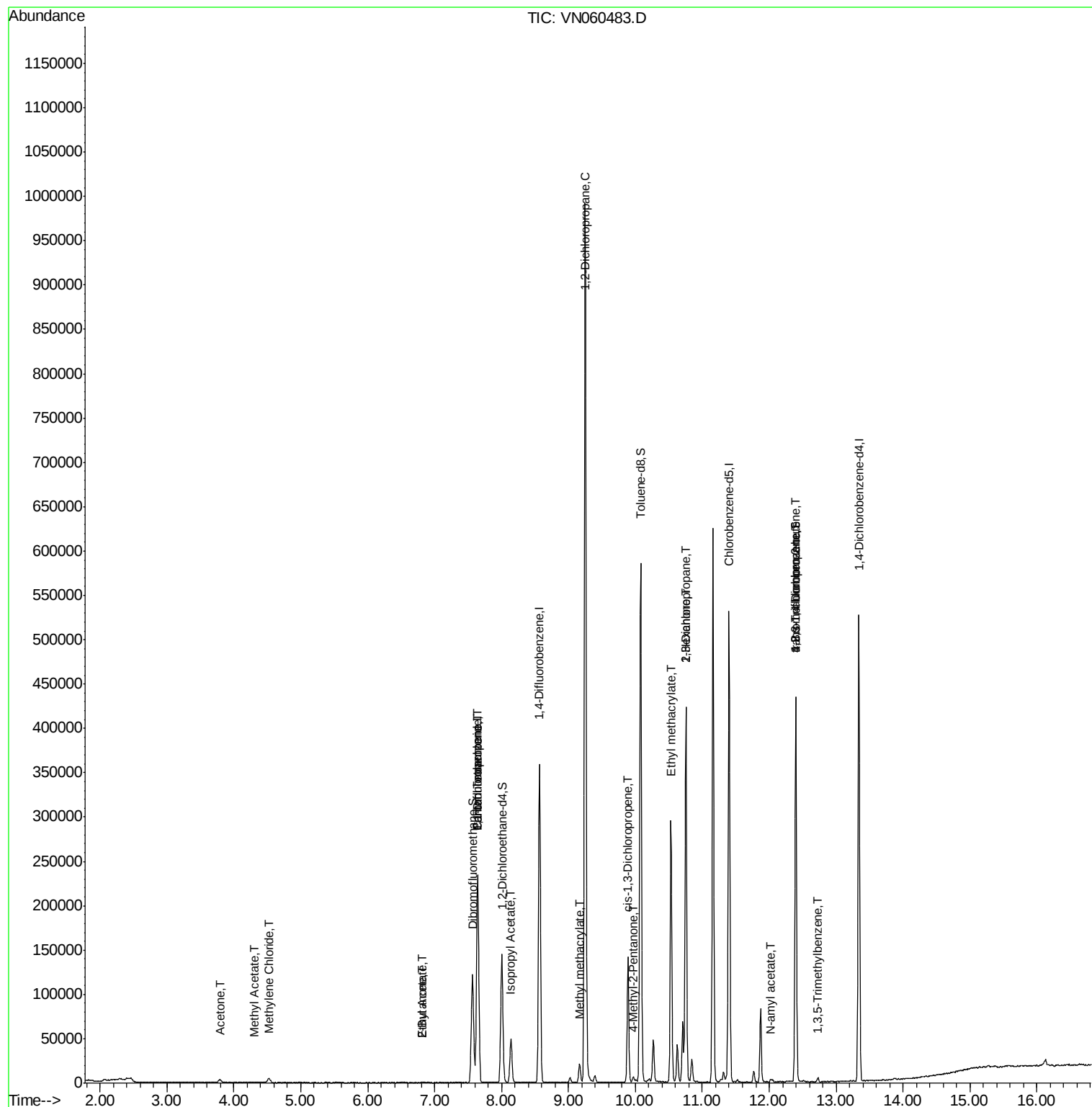
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	6838	8.69	ug/l	100
18) Methyl Acetate	4.30	43	1704	0.65	ug/l #	52
20) Methylene Chloride	4.53	84	3911	1.81	ug/l	95
25) 2-Butanone	6.81	43	775	0.61	ug/l #	49
31) Cyclohexane	7.64	56	4052	Below Cal	#	1
36) 1,1-Dichloropropene	7.64	75	14927	4.94	ug/l #	49
37) Ethyl Acetate	6.81	43	775	0.27	ug/l #	68
38) Carbon Tetrachloride	7.64	117	18208	6.19	ug/l #	16
43) Isopropyl Acetate	8.14	43	58060	11.60	ug/l #	90
45) 1,2-Dichloropropane	9.25	63	1188	0.52	ug/l #	44
48) Methyl methacrylate	9.16	41	2980	1.31	ug/l #	13
51) 4-Methyl-2-Pentanone	9.97	43	4745	1.67	ug/l	93
54) cis-1,3-Dichloropropene	9.89	75	24714	6.42	ug/l #	60
56) Ethyl methacrylate	10.53	69	701	0.22	ug/l #	1
57) 1,3-Dichloropropane	10.75	76	4020	1.11	ug/l #	42
59) 2-Hexanone	10.75	43	61513	29.53	ug/l #	52
74) N-amyl acetate	12.02	43	3052	0.68	ug/l #	44
76) 1,2,3-Trichloropropane	12.40	75	74535	24.55	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	2980	0.35	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.40	75	74535	67.76	ug/l #	8

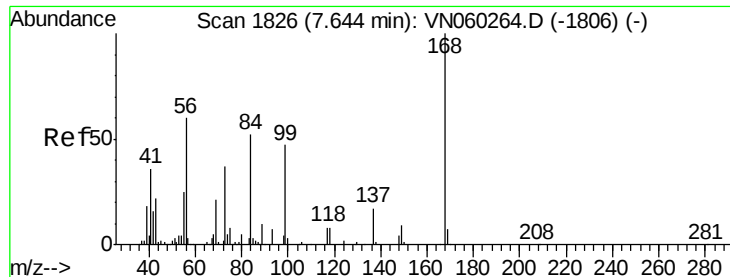
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Feb 27 13:52:50 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060483.D

Acq: 12 Mar 2020 16:41

Instrument :

MSVOA_N

ClientSampleId :

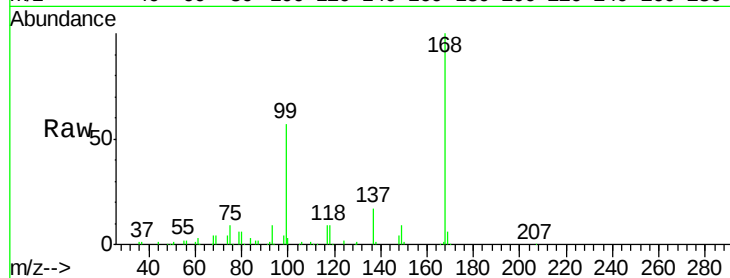
PB127465ZHE#05

Tgt Ion:168 Resp: 189954

Ion Ratio Lower Upper

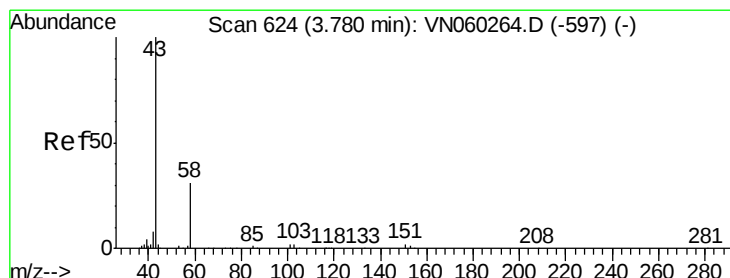
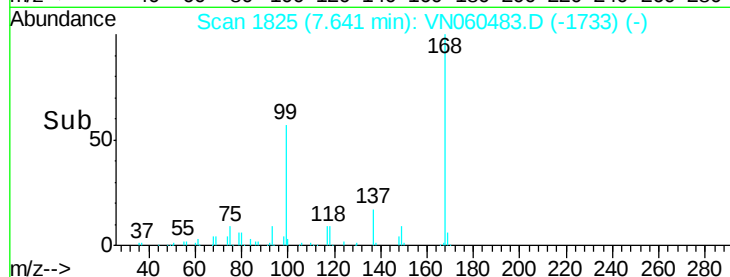
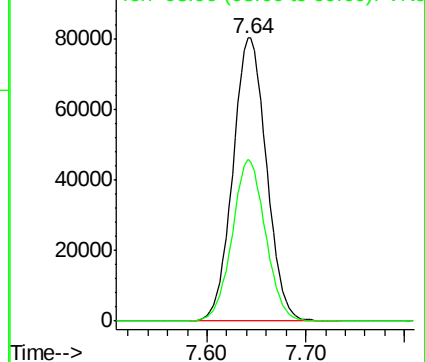
168 100

99 57.2 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#16

Acetone

Concen: 8.69 ug/l

RT: 3.79 min Scan# 626

Delta R.T. 0.01 min

Lab File: VN060483.D

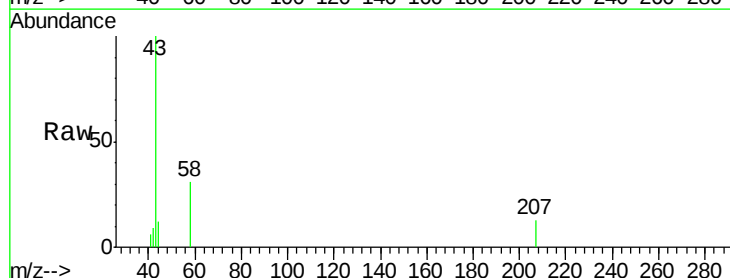
Acq: 12 Mar 2020 16:41

Tgt Ion: 43 Resp: 6838

Ion Ratio Lower Upper

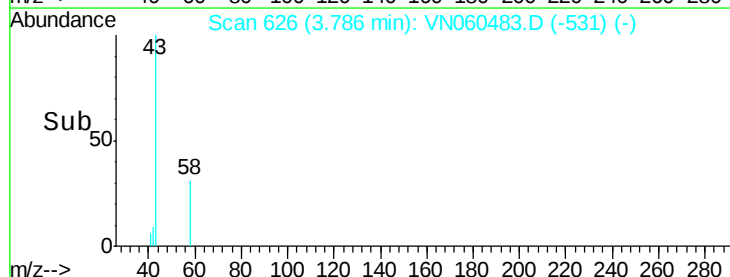
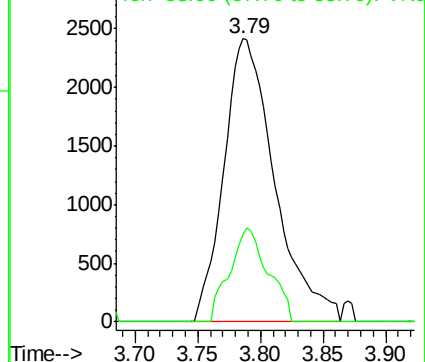
43 100

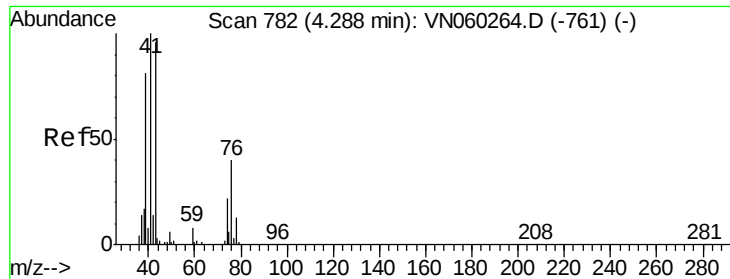
58 30.8 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

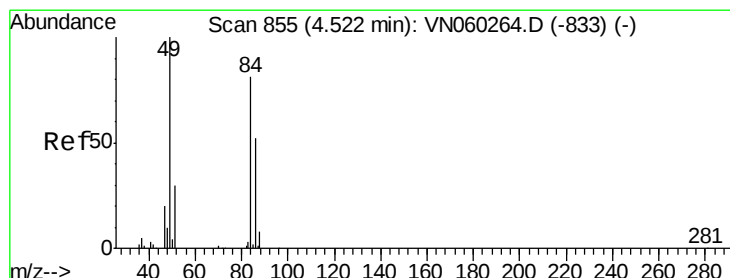
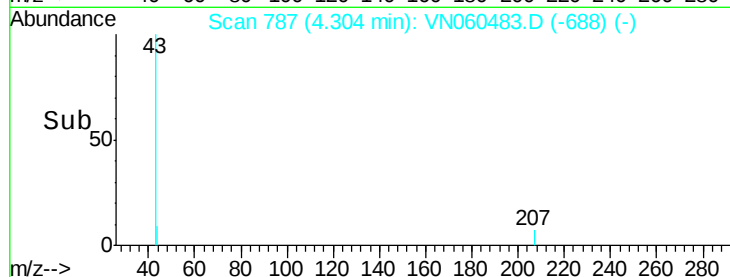
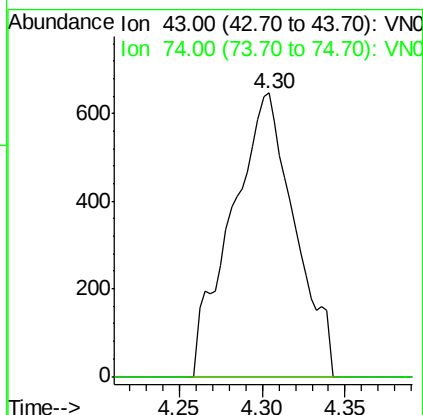
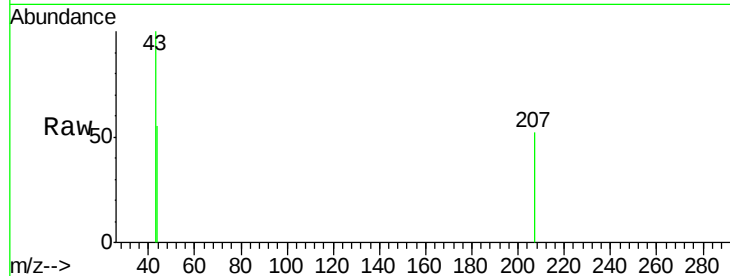




#18
Methyl Acetate
Concen: 0.65 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.02 min
Lab File: VN060483.D
Acq: 12 Mar 2020 16:41

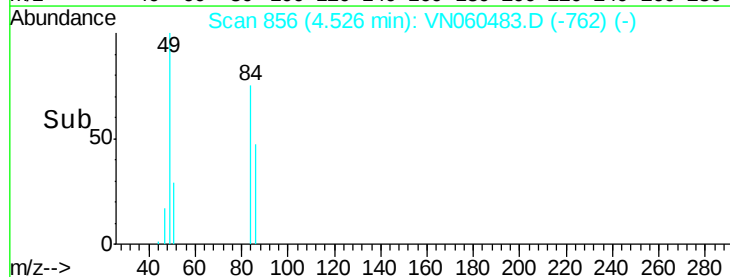
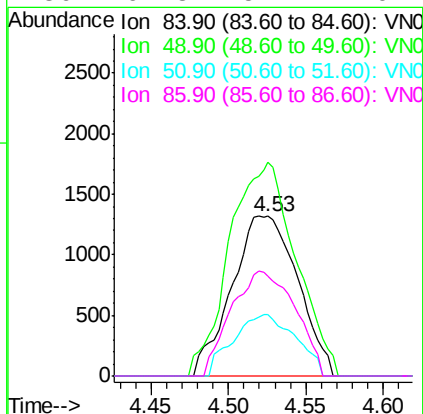
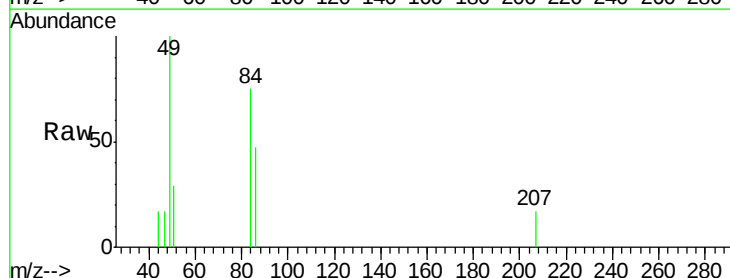
Instrument :
MSVOA_N
ClientSampleId :
PB127465ZHE#05

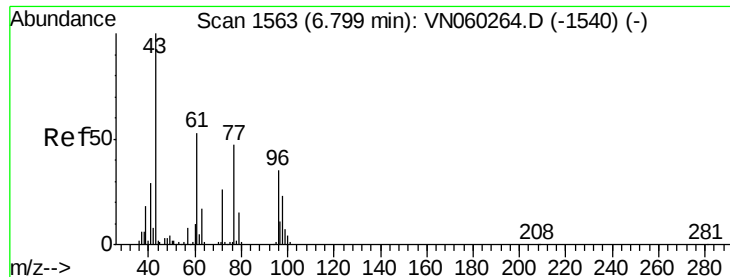
Tgt Ion: 43 Resp: 1704
Ion Ratio Lower Upper
43 100
74 0.0 18.8 28.2#



#20
Methylene Chloride
Concen: 1.81 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN060483.D
Acq: 12 Mar 2020 16:41

Tgt Ion: 84 Resp: 3911
Ion Ratio Lower Upper
84 100
49 133.5 99.3 148.9
51 38.1 30.1 45.1
86 62.8 51.1 76.7





#25

2-Butanone

Concen: 0.61 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.01 min

Lab File: VN060483.D

Acq: 12 Mar 2020 16:41

Instrument :

MSVOA_N

ClientSampleId :

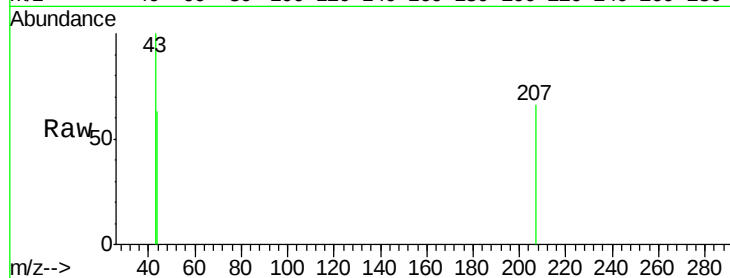
PB127465ZHE#05

Tgt Ion: 43 Resp: 775

Ion Ratio Lower Upper

43 100

72 0.0 20.9 31.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.81

400

300

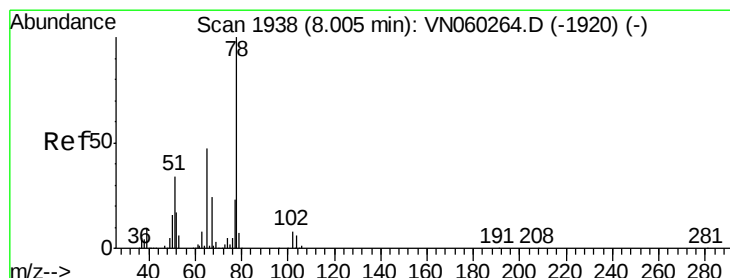
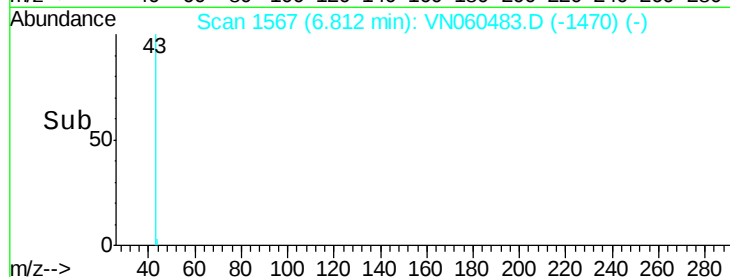
200

100

0

6.76 6.78 6.80 6.82 6.84

Time-->



#33

1,2-Dichloroethane-d4

Concen: 50.93 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VN060483.D

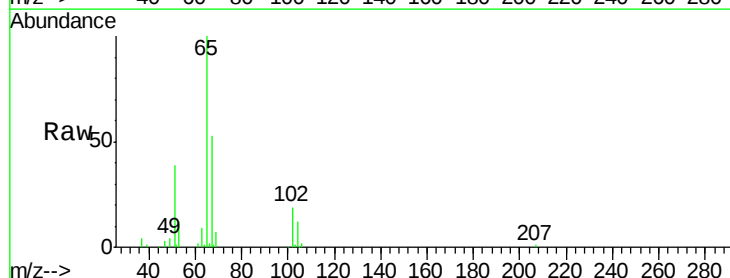
Acq: 12 Mar 2020 16:41

Tgt Ion: 65 Resp: 124125

Ion Ratio Lower Upper

65 100

67 52.8 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

8.00

60000

50000

40000

30000

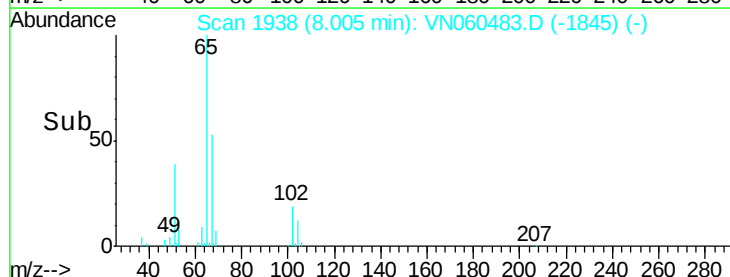
20000

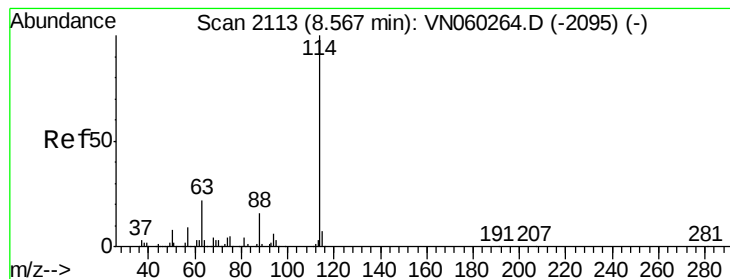
10000

0

7.90 8.00 8.10

Time-->





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. 0.00 min

Lab File: VN060483.D

Acq: 12 Mar 2020 16:41

Instrument :

MSVOA_N

ClientSampleId :

PB127465ZHE#05

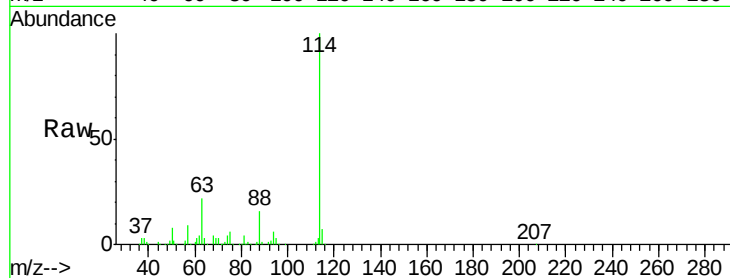
Tgt Ion:114 Resp: 316773

Ion Ratio Lower Upper

114 100

63 22.0 0.0 43.2

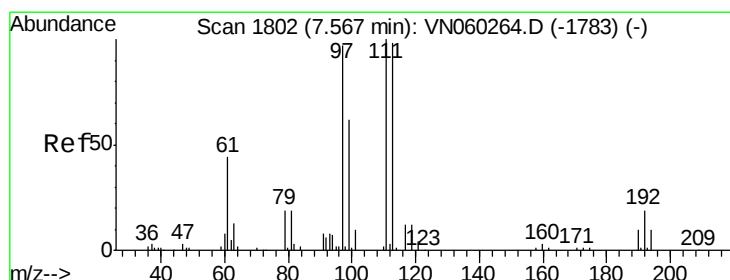
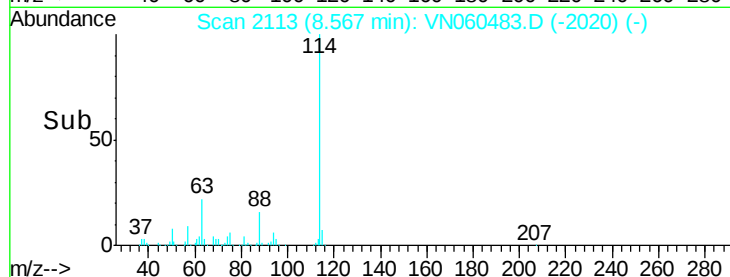
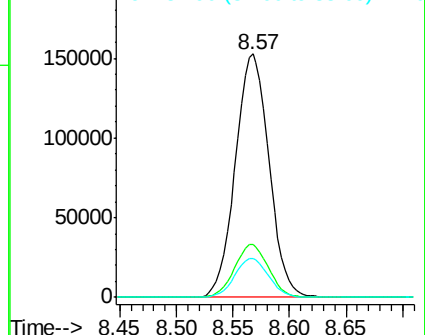
88 16.0 0.0 31.6



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: 64.02 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN060483.D

Acq: 12 Mar 2020 16:41

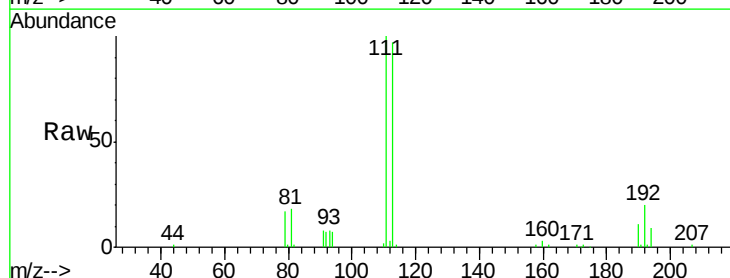
Tgt Ion:113 Resp: 94125

Ion Ratio Lower Upper

113 100

111 102.6 82.4 123.6

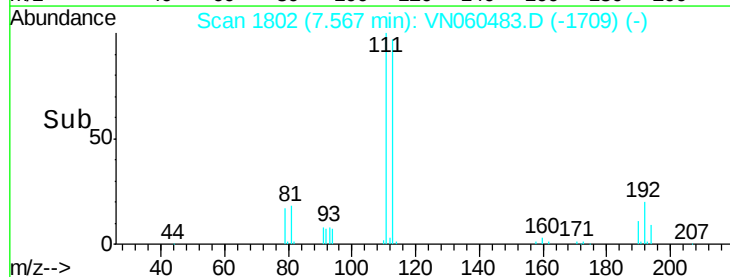
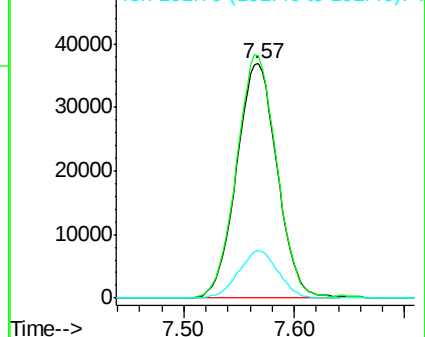
192 19.6 16.2 24.2

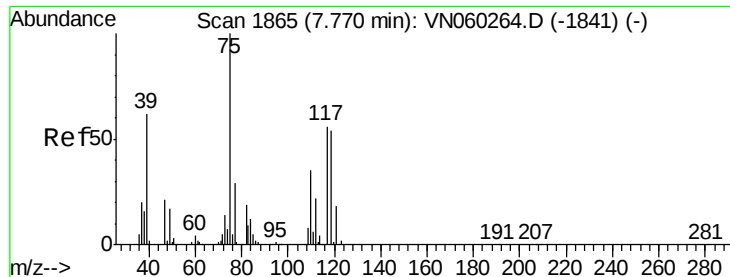


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.94 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.13 min

Lab File: VN060483.D

Acq: 12 Mar 2020 16:41

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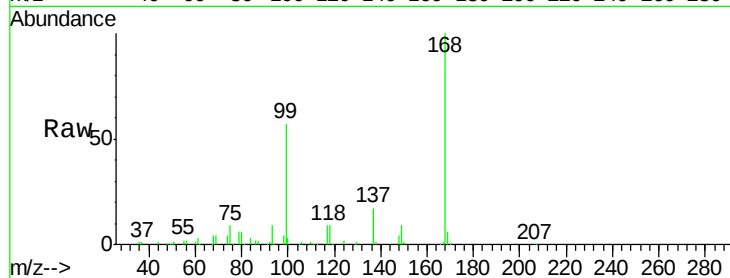
Tgt Ion: 75 Resp: 14927

Ion Ratio Lower Upper

75 100

110 7.8 17.3 52.0#

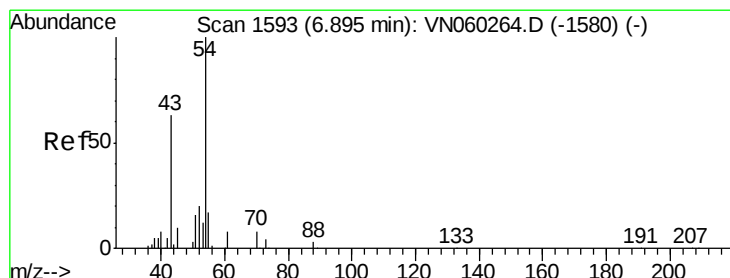
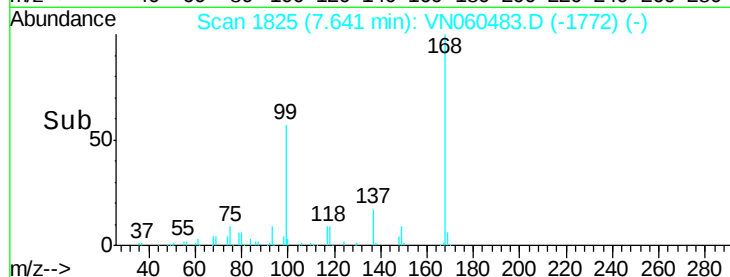
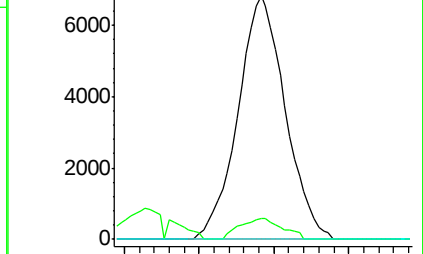
77 0.0 24.2 36.2#



Abundance Ion 74.90 (74.60 to 75.60): VN060483.D (-1772) (-)

Ion 109.90 (109.60 to 110.60): VN060483.D (-1772) (-)

Ion 76.90 (76.60 to 77.60): VN060483.D (-1772) (-)



#37

Ethyl Acetate

Concen: 0.27 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. -0.08 min

Lab File: VN060483.D

Acq: 12 Mar 2020 16:41

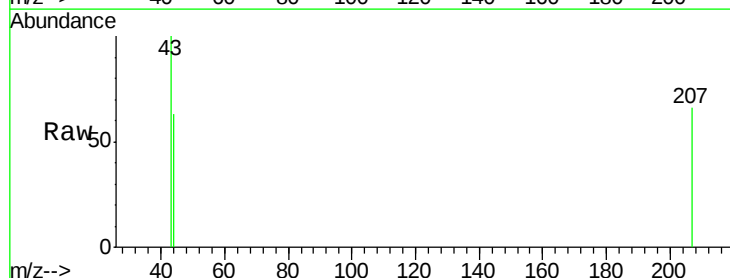
Tgt Ion: 43 Resp: 775

Ion Ratio Lower Upper

43 100

61 0.0 11.1 16.7#

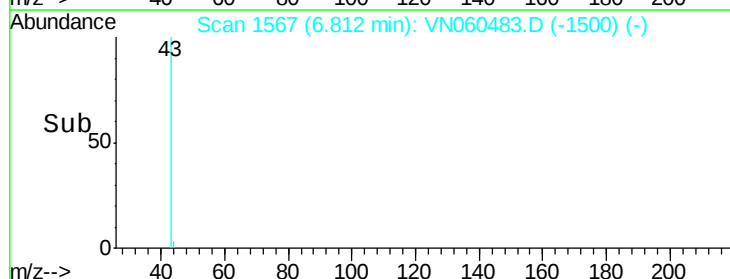
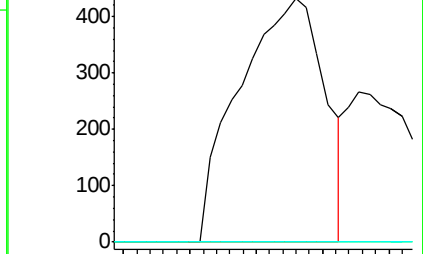
70 0.0 8.4 12.6#

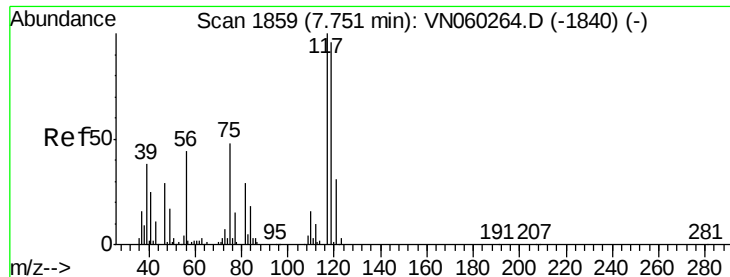


Abundance Ion 43.00 (42.70 to 43.70): VN060483.D (-1500) (-)

Ion 60.90 (60.60 to 61.60): VN060483.D (-1500) (-)

Ion 70.00 (69.70 to 70.70): VN060483.D (-1500) (-)

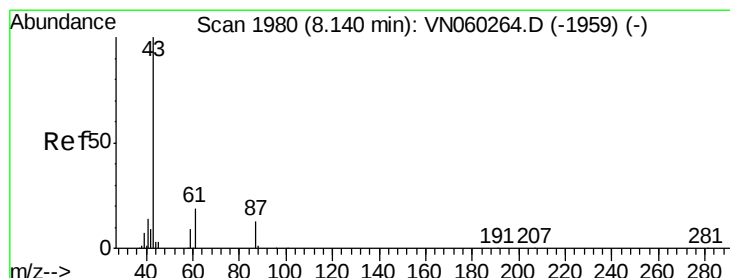
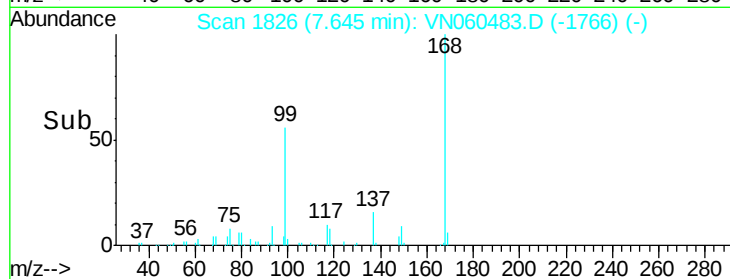
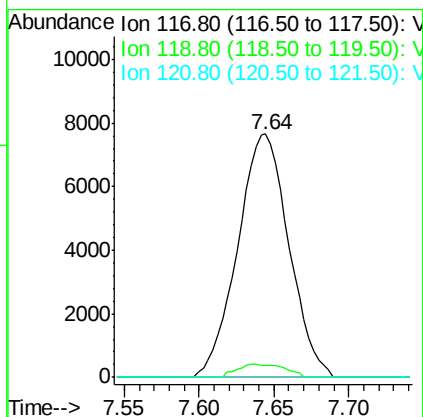
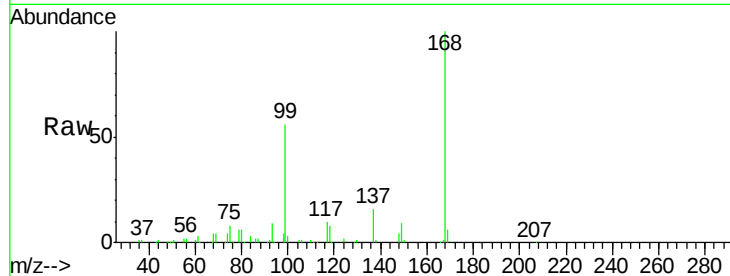




#38
Carbon Tetrachloride
Concen: 6.19 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. -0.11 min
Lab File: VN060483.D
Acq: 12 Mar 2020 16:41

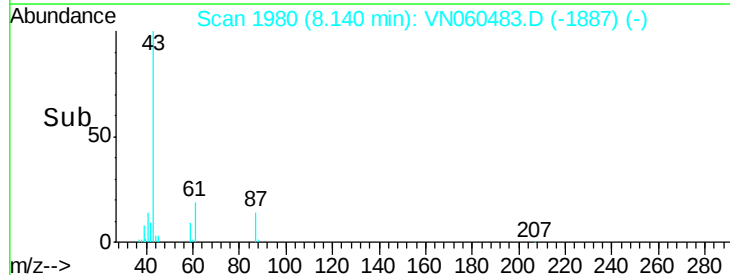
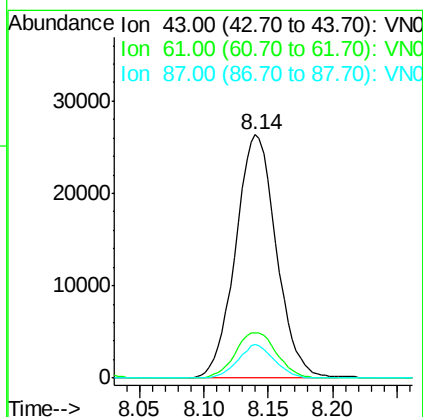
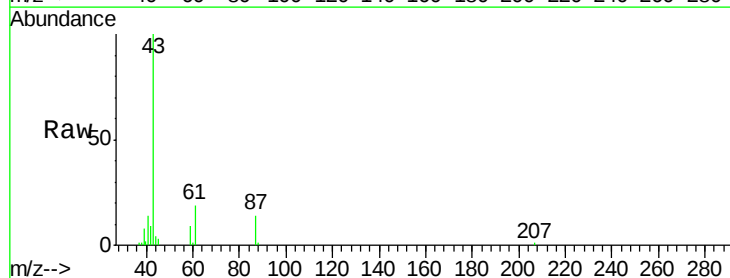
Instrument :
MSVOA_N
ClientSampleId :
PB127465ZHE#05

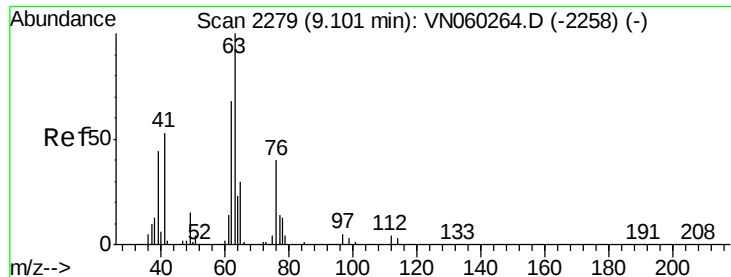
Tgt Ion:117 Resp: 18208
Ion Ratio Lower Upper
117 100
119 4.7 76.7 115.1#
121 0.0 24.5 36.7#



#43
Isopropyl Acetate
Concen: 11.60 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. 0.00 min
Lab File: VN060483.D
Acq: 12 Mar 2020 16:41

Tgt Ion: 43 Resp: 58060
Ion Ratio Lower Upper
43 100
61 19.1 20.9 31.3#
87 12.2 10.6 16.0





#45

1,2-Dichloropropane

Concen: 0.52 ug/l

RT: 9.25 min Scan# 2326

Delta R.T. 0.15 min

Lab File: VN060483.D

Acq: 12 Mar 2020 16:41

Instrument :

MSVOA_N

ClientSampleId :

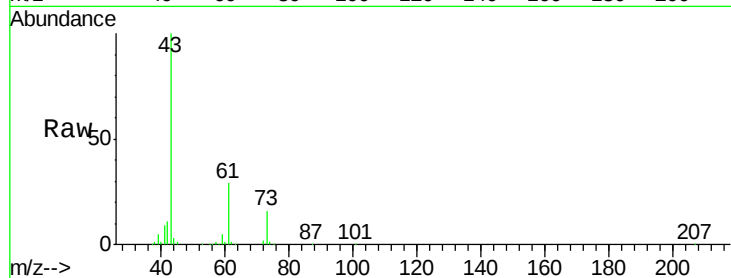
PB127465ZHE#05

Tgt Ion: 63 Resp: 1188

Ion Ratio Lower Upper

63 100

65 0.0 24.4 36.6#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.25

800

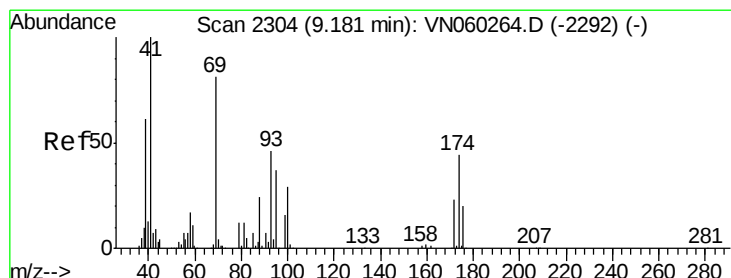
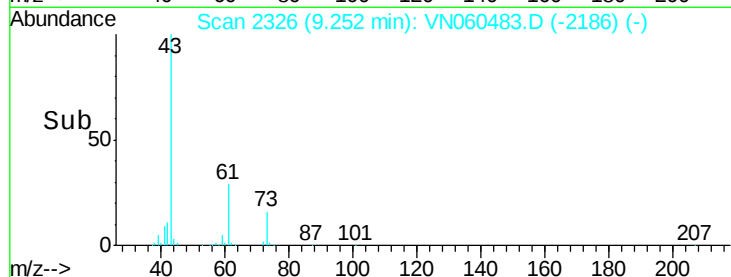
600

400

200

0

Time--> 9.20 9.22 9.24 9.26 9.28



#48

Methyl methacrylate

Concen: 1.31 ug/l

RT: 9.16 min Scan# 2298

Delta R.T. -0.02 min

Lab File: VN060483.D

Acq: 12 Mar 2020 16:41

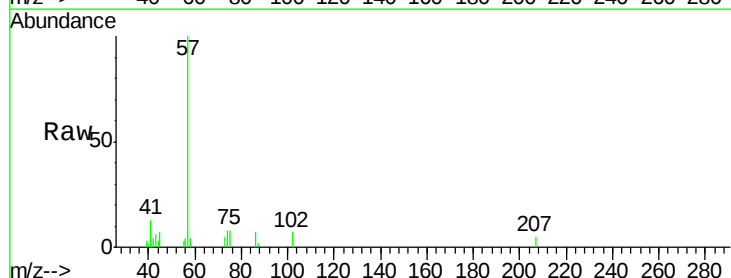
Tgt Ion: 41 Resp: 2980

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): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

50000

40000

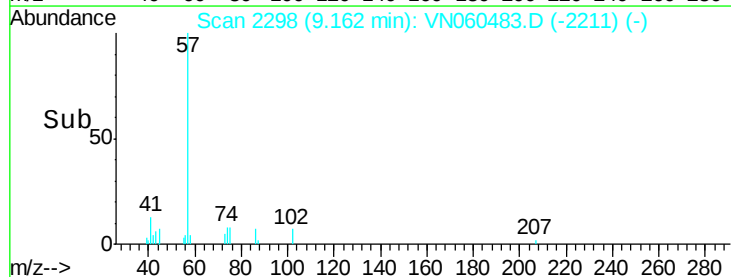
30000

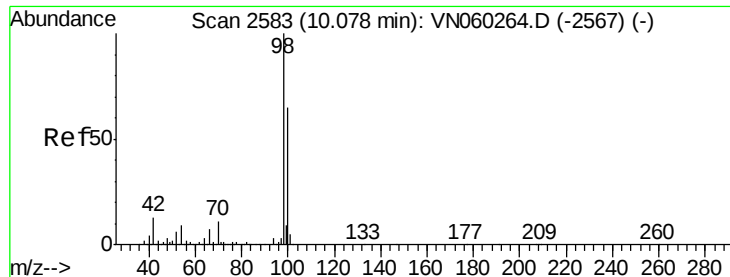
20000

10000

0

Time--> 9.10 9.15 9.20





#50

Toluene-d8

Concen: 52.64 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN060483.D

Acq: 12 Mar 2020 16:41

Instrument :

MSVOA_N

ClientSampleId :

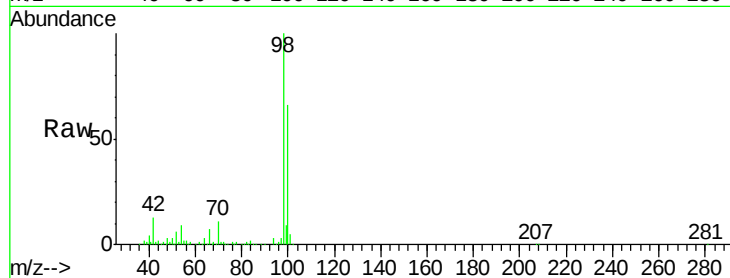
PB127465ZHE#05

Tgt Ion: 98 Resp: 391723

Ion Ratio Lower Upper

98 100

100 65.1 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VN060264.D (-2567) (-)

Ion 100.00 (99.70 to 100.70): VN060264.D (-2567) (-)

10.08

250000

200000

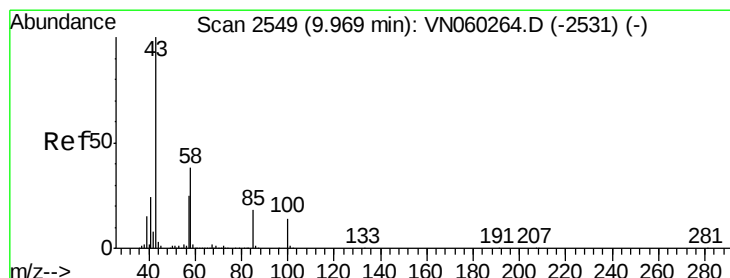
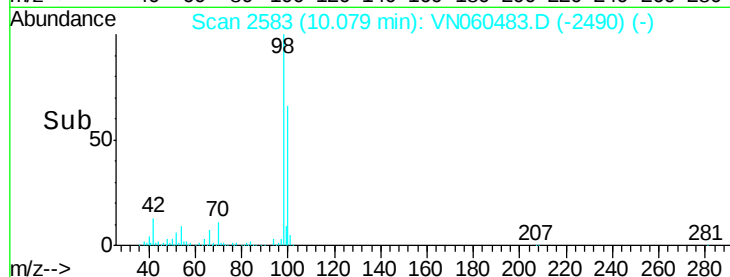
150000

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.67 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN060483.D

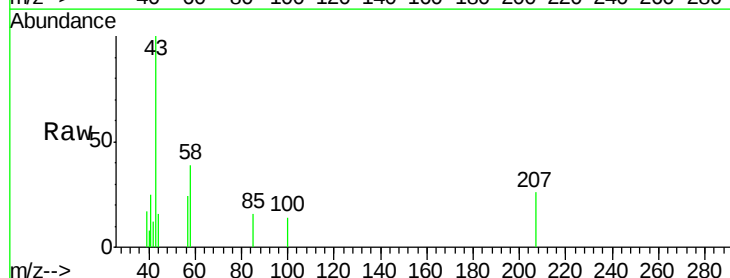
Acq: 12 Mar 2020 16:41

Tgt Ion: 43 Resp: 4745

Ion Ratio Lower Upper

43 100

58 34.3 30.9 46.3



Abundance Ion 43.00 (42.70 to 43.70): VN060264.D (-2531) (-)

Ion 58.00 (57.70 to 58.70): VN060264.D (-2531) (-)

8000

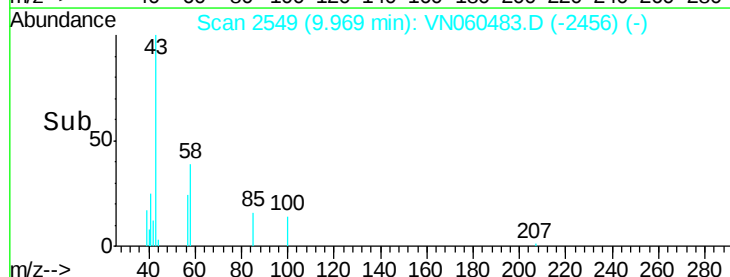
6000

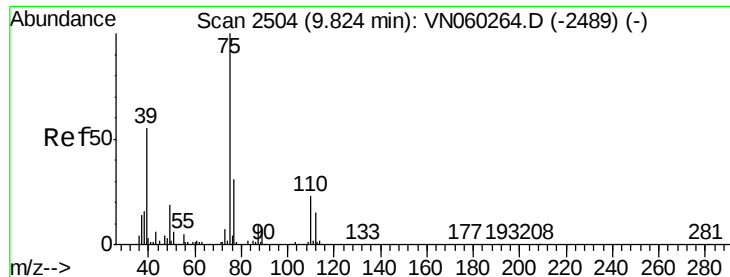
4000

2000

0

Time-->





#54

cis-1,3-Dichloropropene

Concen: 6.42 ug/l

RT: 9.89 min Scan# 2524

Delta R.T. 0.06 min

Lab File: VN060483.D

Acq: 12 Mar 2020 16:41

Instrument :

MSVOA_N

ClientSampleId :

PB127465ZHE#05

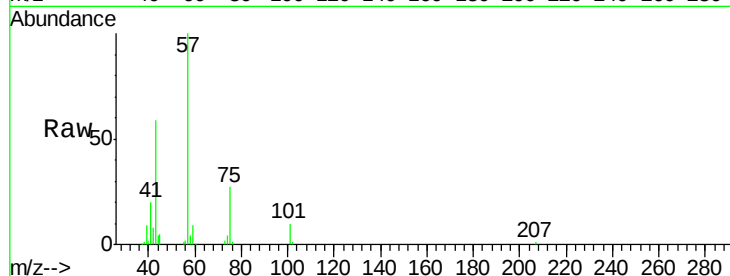
Tgt Ion: 75 Resp: 24714

Ion Ratio Lower Upper

75 100

77 0.0 24.8 37.2#

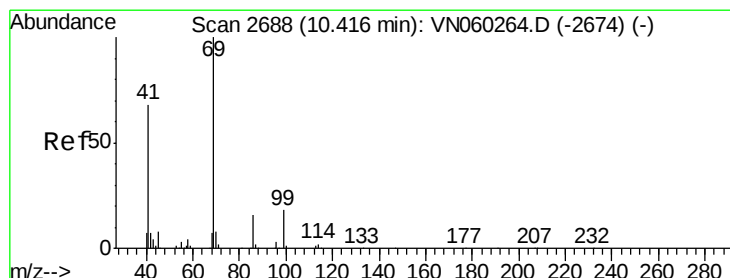
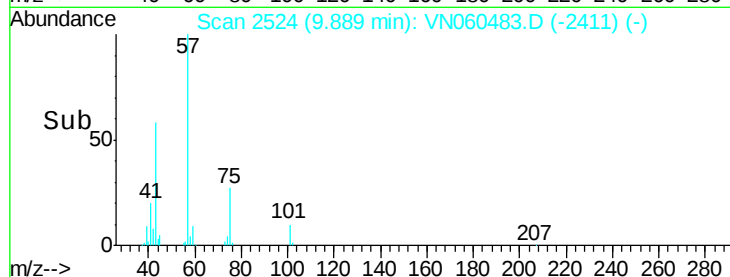
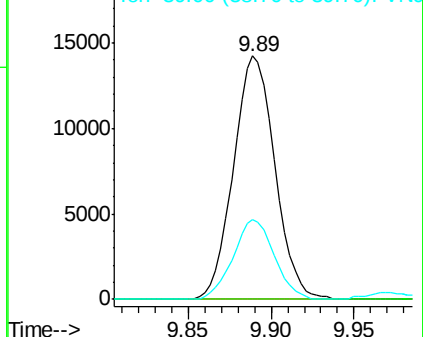
39 32.9 43.8 65.8#



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



#56

Ethyl methacrylate

Concen: 0.22 ug/l

RT: 10.53 min Scan# 2724

Delta R.T. 0.12 min

Lab File: VN060483.D

Acq: 12 Mar 2020 16:41

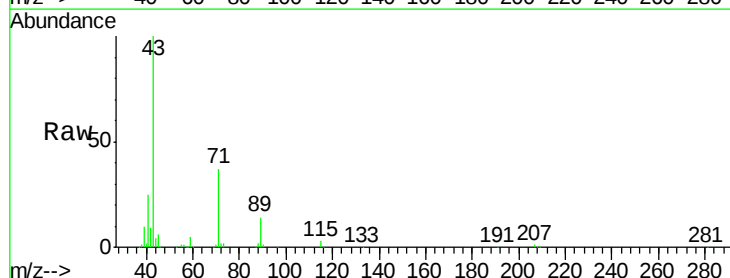
Tgt Ion: 69 Resp: 701

Ion Ratio Lower Upper

69 100

41 7672.0 54.1 81.1#

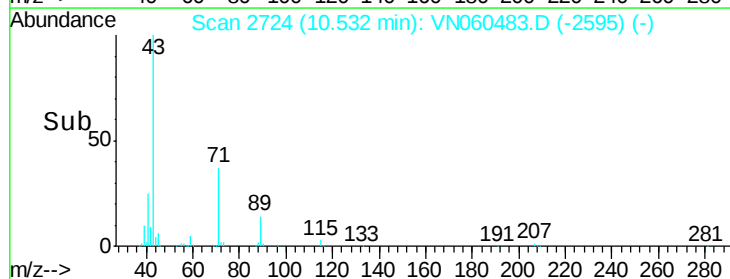
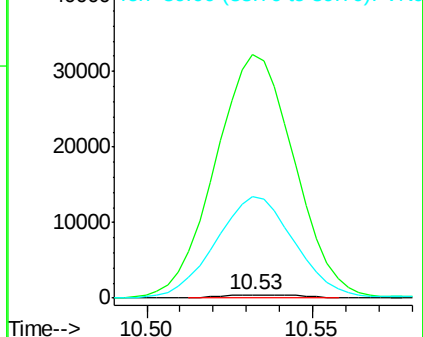
39 3213.4 32.5 48.7#

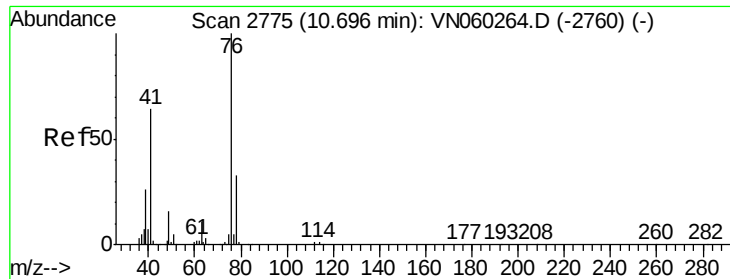


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

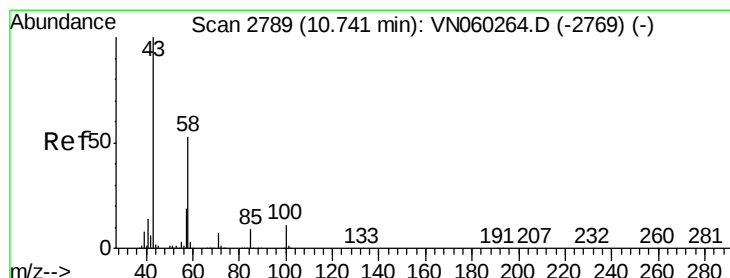
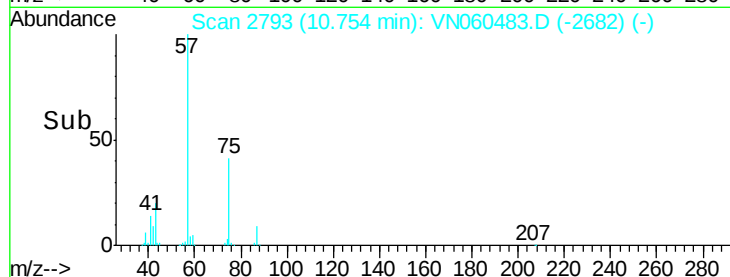
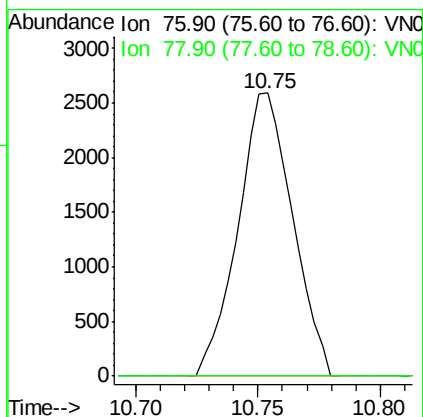
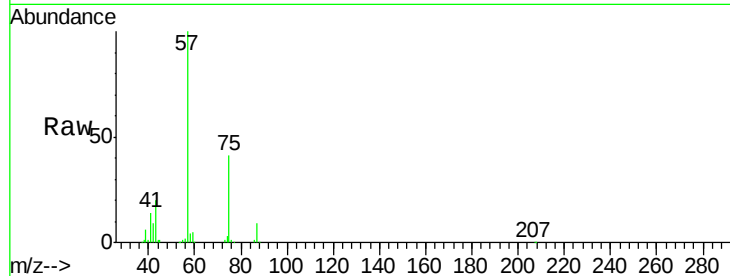




#57
 1,3-Dichloropropane
 Concen: 1.11 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.06 min
 Lab File: VN060483.D
 Acq: 12 Mar 2020 16:41

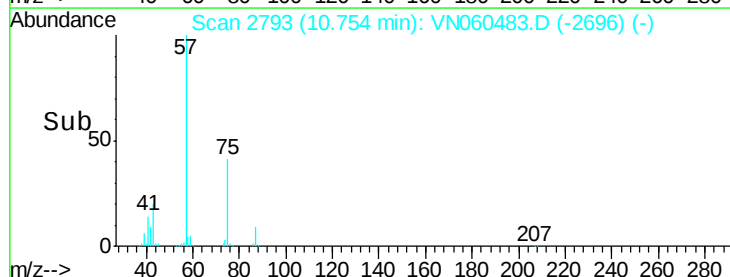
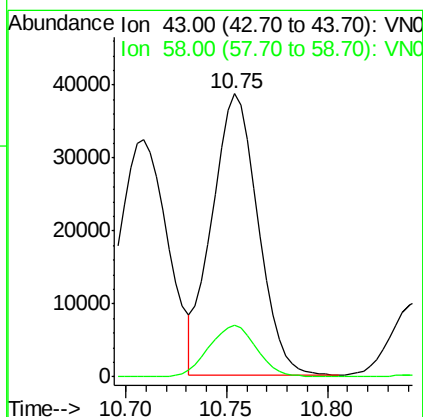
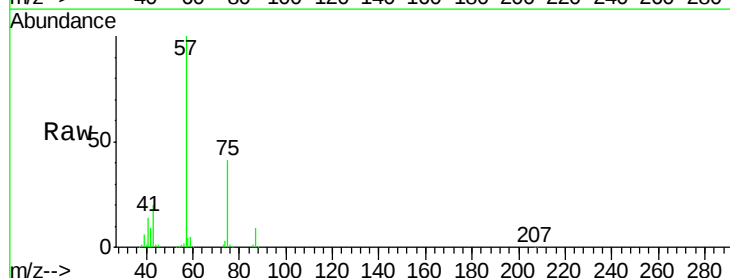
Instrument :
 MSVOA_N
 ClientSampleId :
 PB127465ZHE#05

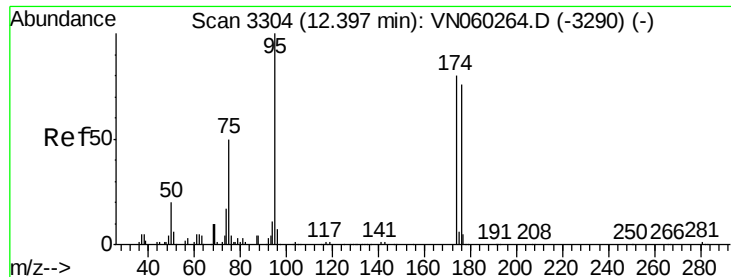
Tgt Ion: 76 Resp: 4020
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.2 39.2#



#59
 2-Hexanone
 Concen: 29.53 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.01 min
 Lab File: VN060483.D
 Acq: 12 Mar 2020 16:41

Tgt Ion: 43 Resp: 61513
 Ion Ratio Lower Upper
 43 100
 58 18.9 26.5 79.5#





#62

4-Bromofluorobenzene

Concen: 52.50 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060483.D

Acq: 12 Mar 2020 16:41

Instrument :

MSVOA_N

ClientSampleId :

PB127465ZHE#05

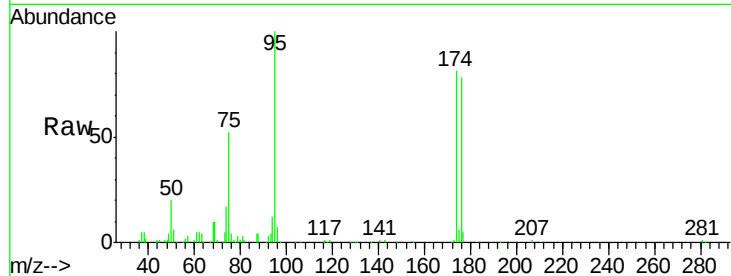
Tgt Ion: 95 Resp: 148091

Ion Ratio Lower Upper

95 100

174 79.2 0.0 159.2

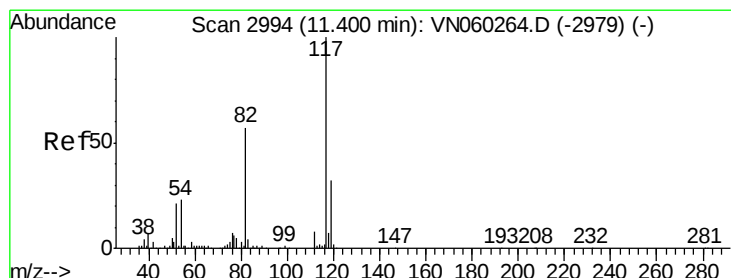
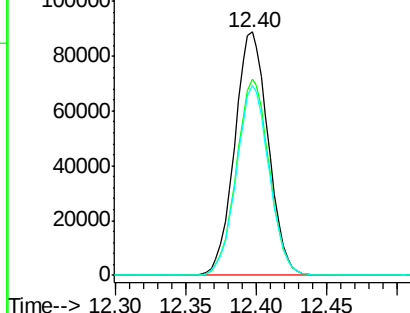
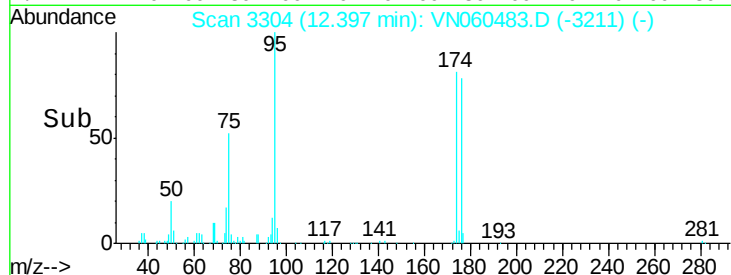
176 76.4 0.0 153.8



Abundance Ion 94.90 (94.60 to 95.60): VN060483.D (-3211) (-)

Ion 173.80 (173.50 to 174.50): VN060483.D (-3211) (-)

Ion 175.80 (175.50 to 176.50): VN060483.D (-3211) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. 0.00 min

Lab File: VN060483.D

Acq: 12 Mar 2020 16:41

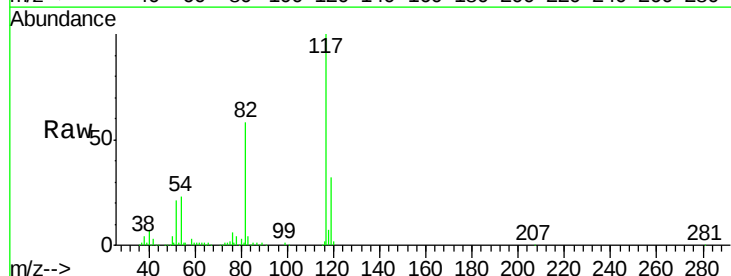
Tgt Ion: 117 Resp: 299423

Ion Ratio Lower Upper

117 100

82 57.8 45.8 68.6

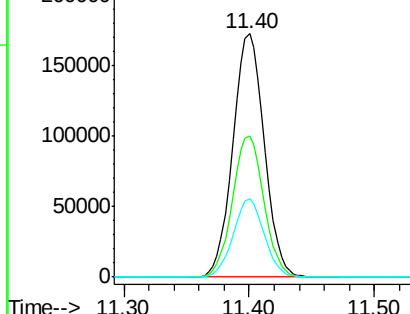
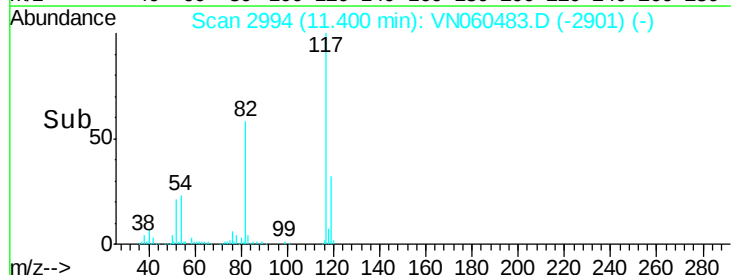
119 32.3 25.8 38.8

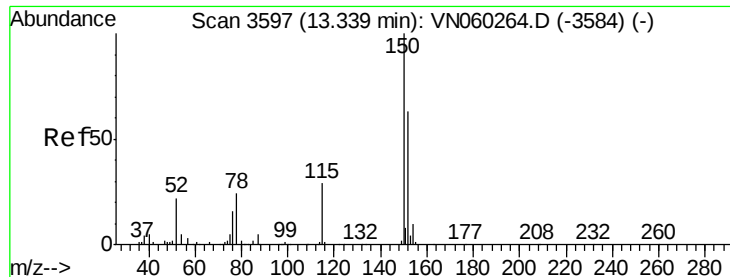


Abundance Ion 116.90 (116.60 to 117.60): VN060483.D (-2901) (-)

Ion 82.00 (81.70 to 82.70): VN060483.D (-2901) (-)

Ion 118.90 (118.60 to 119.60): VN060483.D (-2901) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN060483.D

Acq: 12 Mar 2020 16:41

Instrument :

MSVOA_N

ClientSampleId :

PB127465ZHE#05

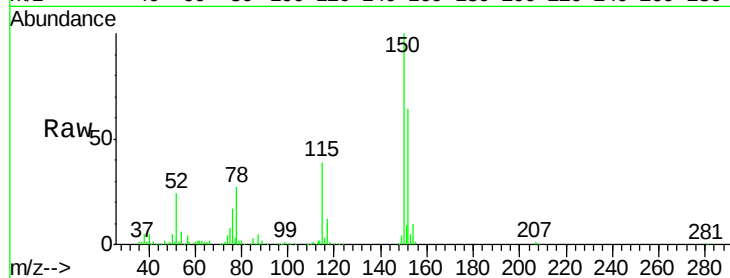
Tgt Ion: 152 Resp: 138389

Ion Ratio Lower Upper

152 100

115 60.4 30.0 90.0

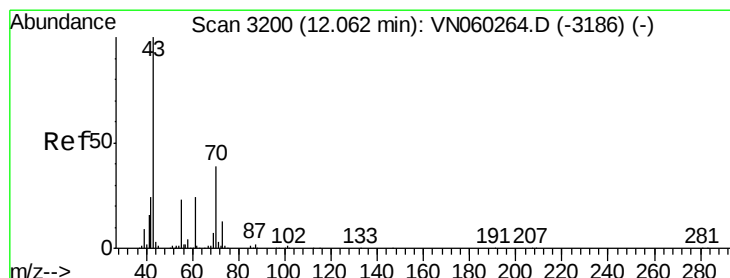
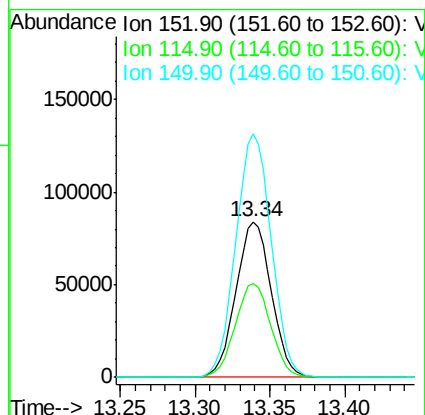
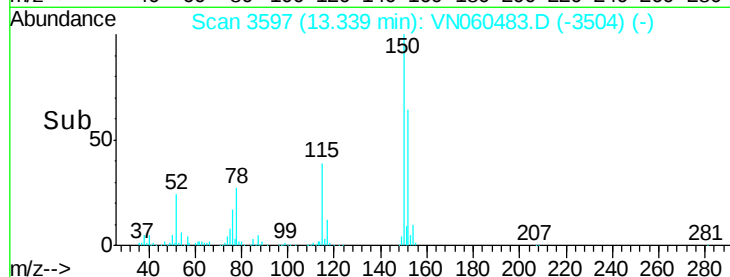
150 157.0 0.0 349.6



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-ethyl acetate

Concen: 0.68 ug/l

RT: 12.02 min Scan# 3188

Delta R.T. -0.04 min

Lab File: VN060483.D

Acq: 12 Mar 2020 16:41

Tgt Ion: 43 Resp: 3052

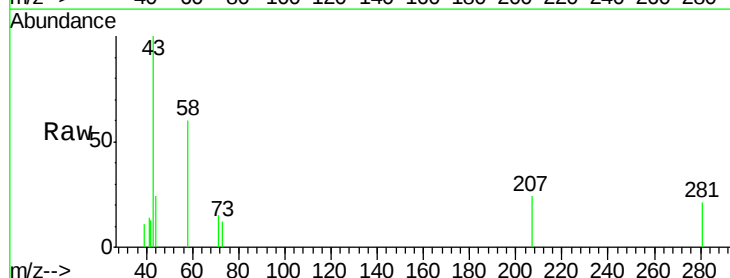
Ion Ratio Lower Upper

43 100

70 0.0 32.2 48.2#

55 0.0 18.2 27.4#

61 0.0 19.2 28.8#

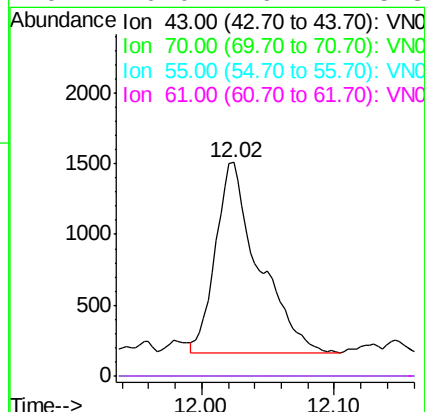
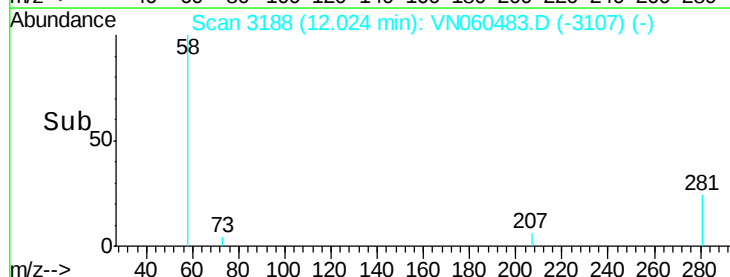


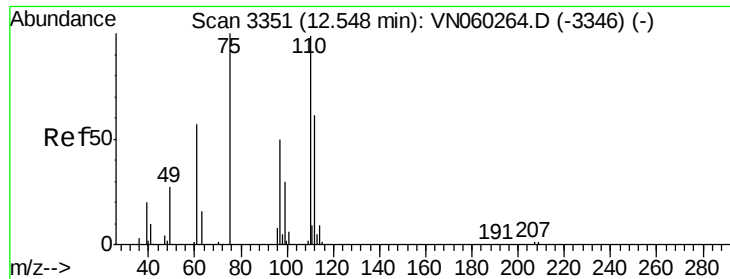
Abundance Ion 43.00 (42.70 to 43.70): VNO

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

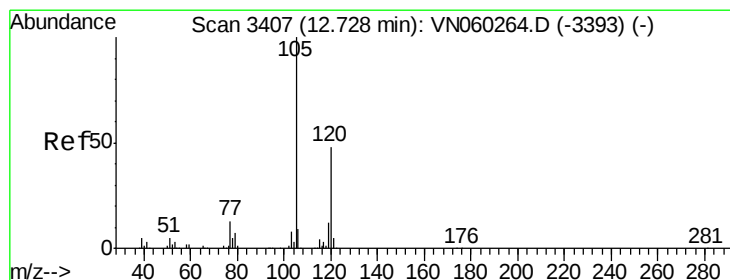
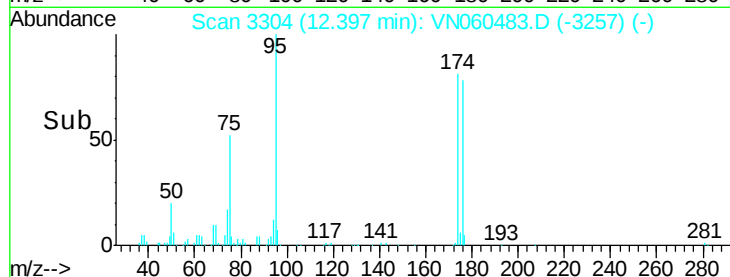
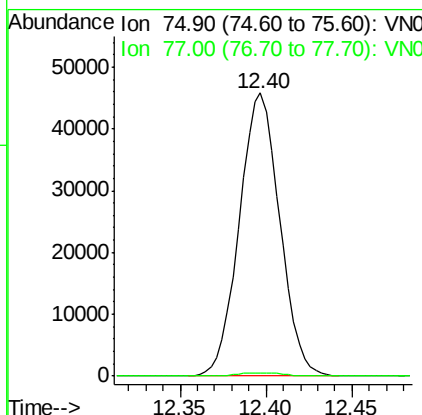
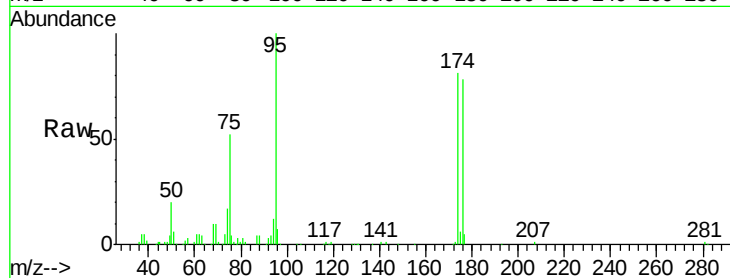




#76
 1,2,3-Trichloropropane
 Concen: 24.55 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.15 min
 Lab File: VN060483.D
 Acq: 12 Mar 2020 16:41

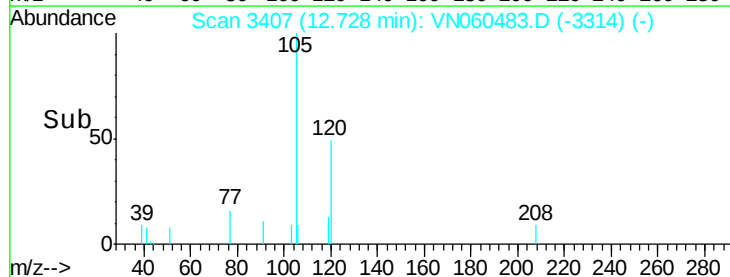
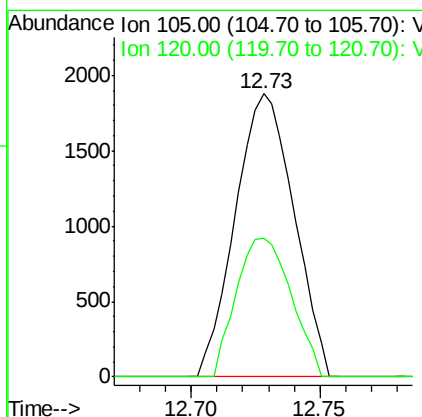
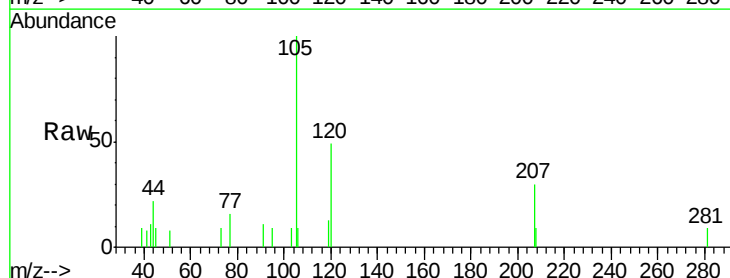
Instrument :
 MSVOA_N
 ClientSampleId :
 PB127465ZHE#05

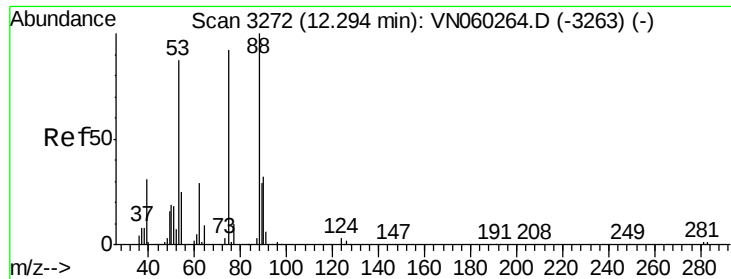
Tgt Ion: 75 Resp: 74535
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.35 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. 0.00 min
 Lab File: VN060483.D
 Acq: 12 Mar 2020 16:41

Tgt Ion: 105 Resp: 2980
 Ion Ratio Lower Upper
 105 100
 120 45.9 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 67.76 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060483.D

Acq: 12 Mar 2020 16:41

Instrument :

MSVOA_N

ClientSampleId :

PB127465ZHE#05

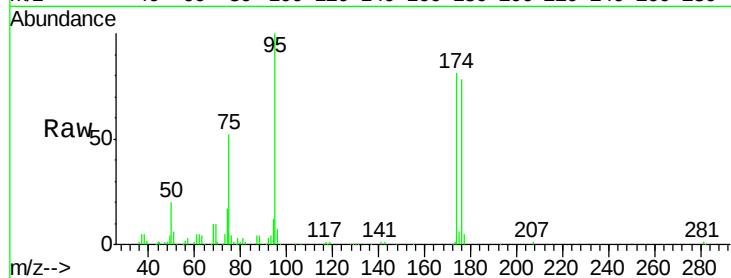
Tgt Ion: 75 Resp: 74535

Ion Ratio Lower Upper

75 100

53 0.0 73.8 110.6#

89 0.0 57.1 85.7#



Abundance Ion 74.90 (74.60 to 75.60): VN060483.D (-3179) (-)

Ion 53.00 (52.70 to 53.70): VN060483.D (-3179) (-)

Ion 88.90 (88.60 to 89.60): VN060483.D (-3179) (-)

