

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031720\
 Data File : VN060556.D
 Acq On : 17 Mar 2020 15:03
 Operator : JC/MD
 Sample : PB127594ZHE#01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB127594ZHE#01

Quant Time: Mar 18 06:44:09 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	207313	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	344167	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	321777	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	147304	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	132987	50.00	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.00%	
35) Dibromofluoromethane	7.56	113	102092	63.91	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	127.82%	
50) Toluene-d8	10.08	98	423745	52.41	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	104.82%	
62) 4-Bromofluorobenzene	12.40	95	157764	51.47	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.94%	

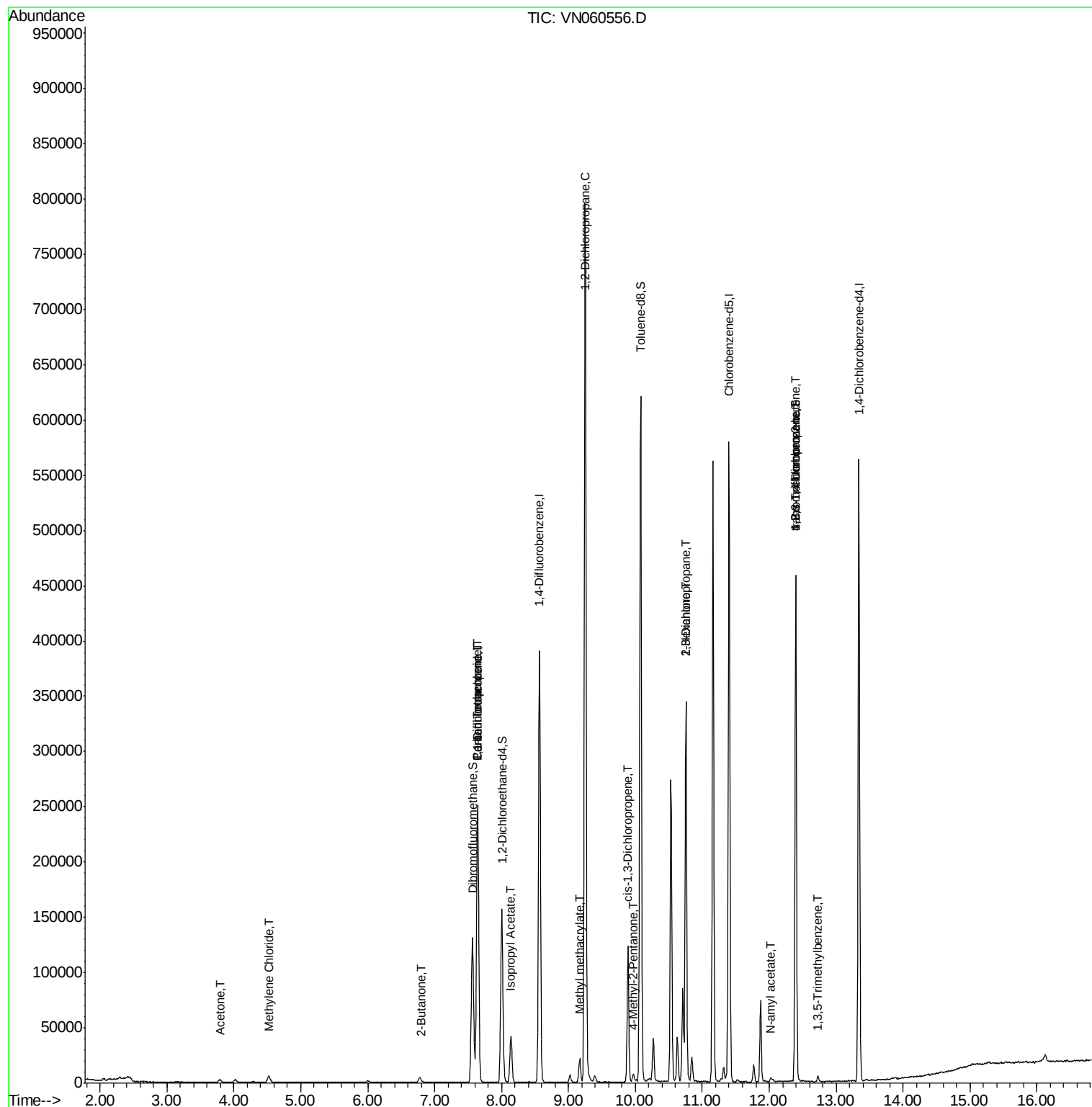
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	4891	5.694	ug/l	96
20) Methylene Chloride	4.53	84	4405	1.867	ug/l	97
25) 2-Butanone	6.82	43	1154	0.832	ug/l #	49
31) Cyclohexane	7.64	56	4280	Below Cal	#	1
36) 1,1-Dichloropropene	7.64	75	16258	4.957	ug/l #	49
38) Carbon Tetrachloride	7.64	117	19626	6.146	ug/l #	16
43) Isopropyl Acetate	8.14	43	51013	9.382	ug/l #	90
45) 1,2-Dichloropropane	9.25	63	945	0.379	ug/l #	44
48) Methyl methacrylate	9.16	41	3665	1.478	ug/l #	13
51) 4-Methyl-2-Pentanone	9.97	43	5582	1.811	ug/l	91
54) cis-1,3-Dichloropropene	9.89	75	21645	5.175	ug/l #	59
57) 1,3-Dichloropropane	10.75	76	3560	0.905	ug/l #	42
59) 2-Hexanone	10.75	43	51840	22.903	ug/l #	52
74) N-amyl acetate	12.02	43	4087	0.857	ug/l #	44
76) 1,2,3-Trichloropropane	12.40	75	80682	24.965	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.72	105	3102	0.337	ug/l	93
81) trans-1,4-Dichloro-2-buten	12.40	75	80682	68.914	ug/l #	8
95) Naphthalene	15.13	128	270	Below Cal	#	69

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

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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# 1825

Delta R.T. -0.00 min

Lab File: VN060556.D

Acq: 17 Mar 2020 15:03

Instrument :

MSVOA_N

ClientSampleId :

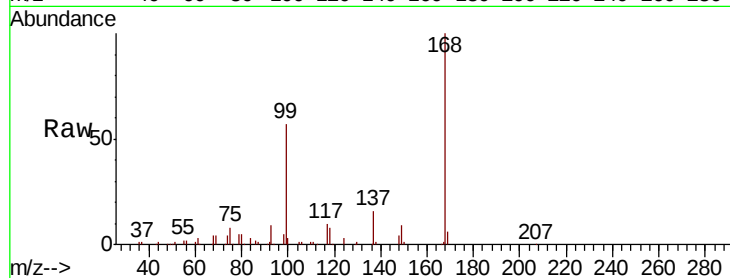
PB127594ZHE#01

Tot Ion:168 Resp: 207313

Ion Ratio Lower Upper

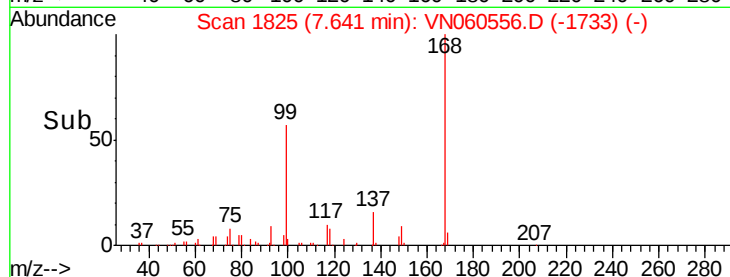
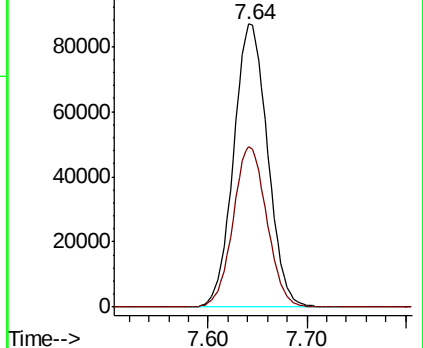
168 100

99 56.6 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: 5.694 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.01 min

Lab File: VN060556.D

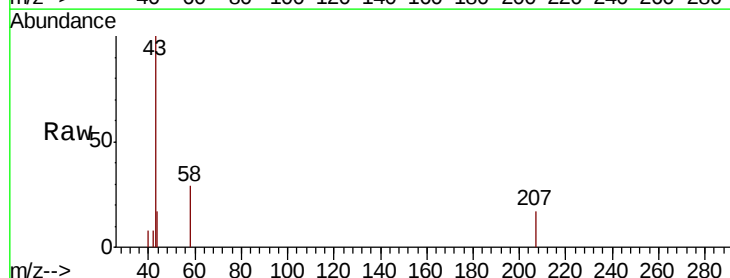
Acq: 17 Mar 2020 15:03

Tgt Ion: 43 Resp: 4891

Ion Ratio Lower Upper

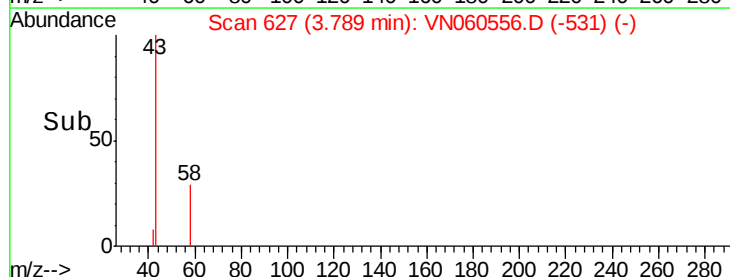
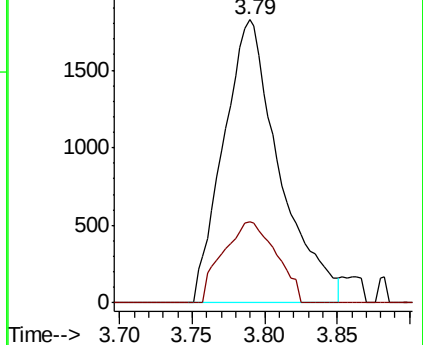
43 100

58 28.8 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) (-)

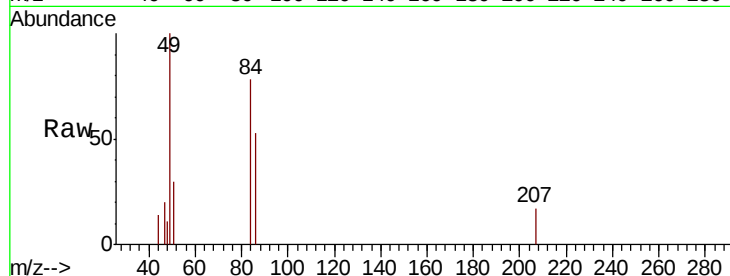




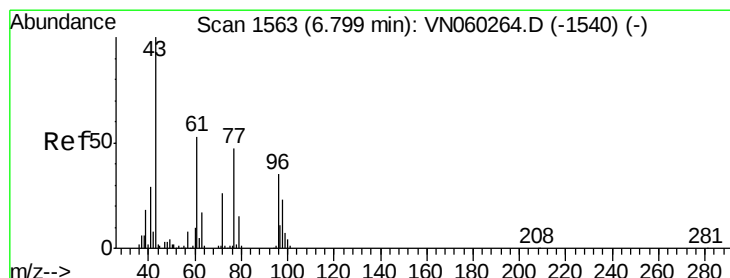
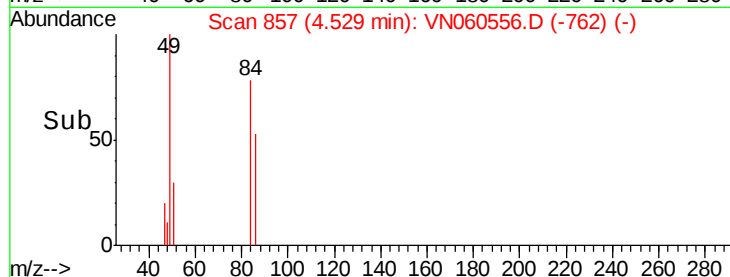
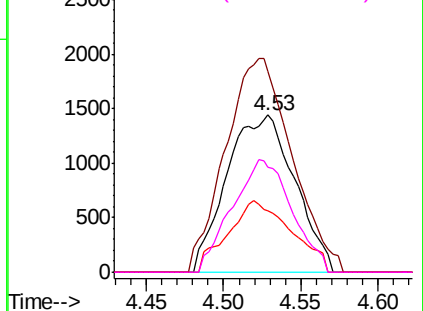
#20
Methvlene Chloride
Concen: 1.867 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.01 min
Lab File: VN060556.D
Acq: 17 Mar 2020 15:03

Instrument :
MSVOA_N
ClientSampleId :
PB127594ZHE#01

Tot Ion:	84	Resp:	4405
Ion	Ratio	Lower	Upper
84	100		
49	127.8	99.3	148.9
51	38.9	30.1	45.1
86	67.2	51.1	76.7

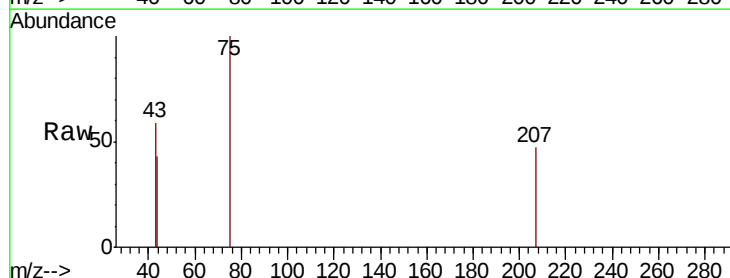


Abundance Ion 83.90 (83.60 to 84.60): VN0
Ion 48.90 (48.60 to 49.60): VN0
Ion 50.90 (50.60 to 51.60): VN0
Ion 85.90 (85.60 to 86.60): VN0

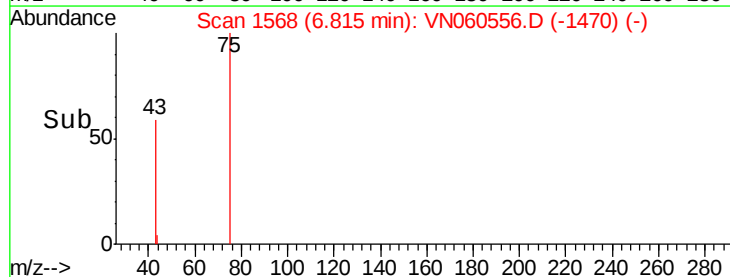
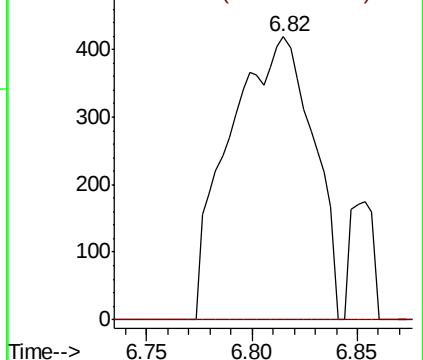


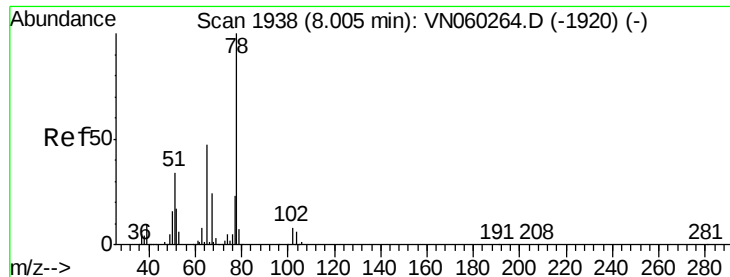
#25
2-Butanone
Concen: 0.832 ug/l
RT: 6.82 min Scan# 1568
Delta R.T. 0.02 min
Lab File: VN060556.D
Acq: 17 Mar 2020 15:03

Tgt Ion:	43	Resp:	1154
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





#33

1,2-Dichloroethane-d4

Concen: 49.998 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VN060556.D

Acq: 17 Mar 2020 15:03

Instrument :

MSVOA_N

ClientSampleId :

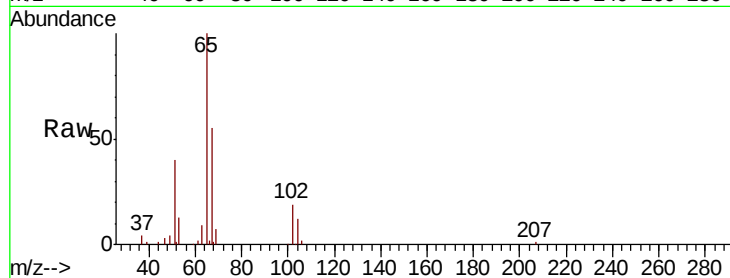
PB127594ZHE#01

Tot Ion: 65 Resp: 132987

Ion Ratio Lower Upper

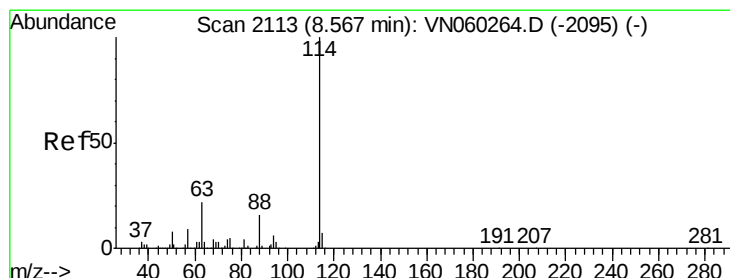
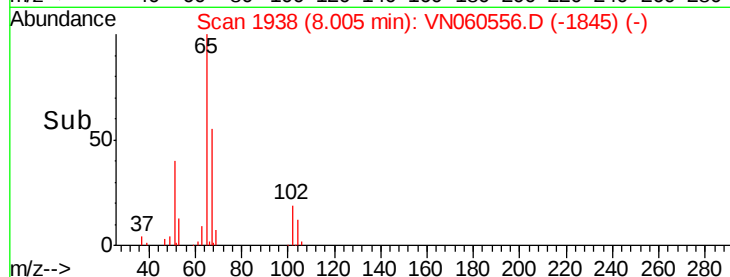
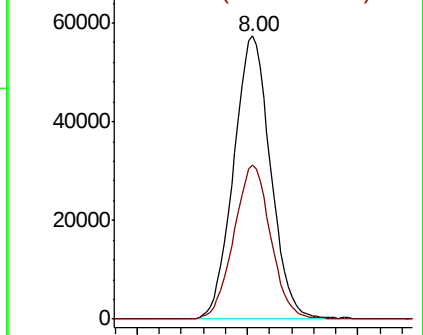
65 100

67 54.4 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VN060556.D (-1845) (-)

Ion 66.90 (66.60 to 67.60): VN060556.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: VN060556.D

Acq: 17 Mar 2020 15:03

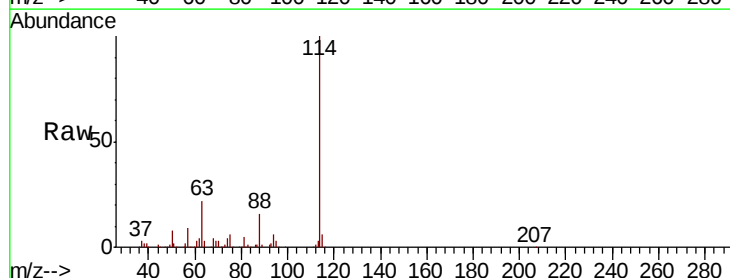
Tgt Ion: 114 Resp: 344167

Ion Ratio Lower Upper

114 100

63 22.0 0.0 43.2

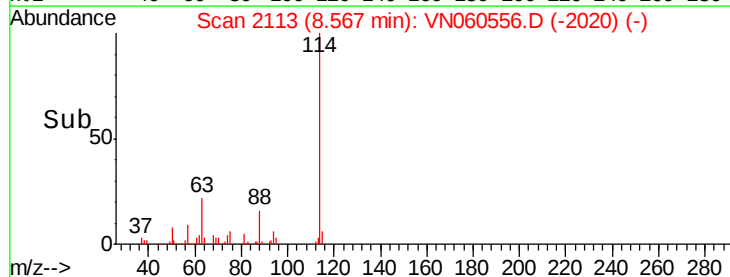
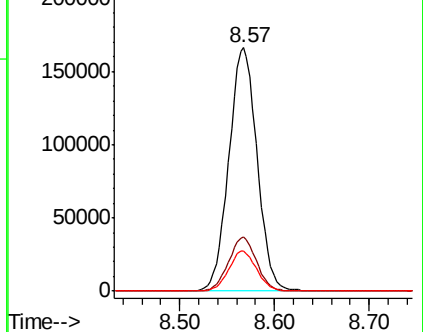
88 16.4 0.0 31.6

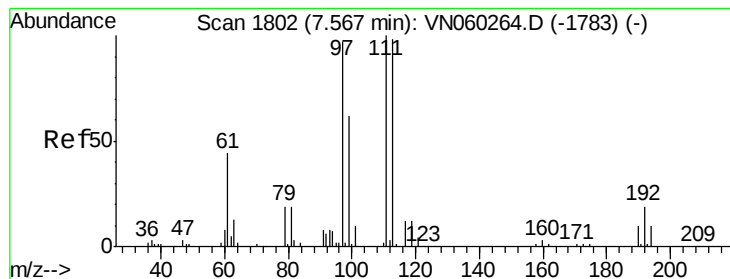


Abundance Ion 113.90 (113.60 to 114.60): VN060556.D (-2020) (-)

Ion 63.00 (62.70 to 63.70): VN060556.D (-2020) (-)

Ion 87.90 (87.60 to 88.60): VN060556.D (-2020) (-)





#35

Dibromofluoromethane

Concen: 63.907 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN060556.D

Acq: 17 Mar 2020 15:03

Instrument :

MSVOA_N

ClientSampleId :

PB127594ZHE#01

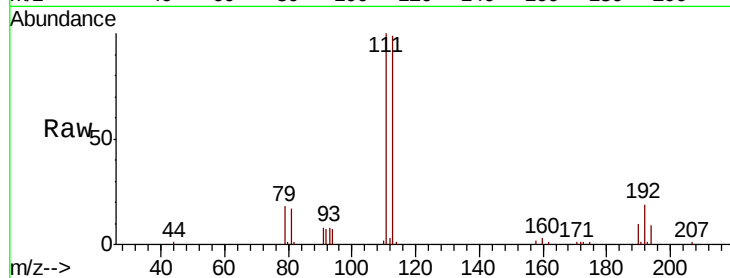
Tot Ion:113 Resp: 102092

Ion Ratio Lower Upper

113 100

111 102.7 82.4 123.6

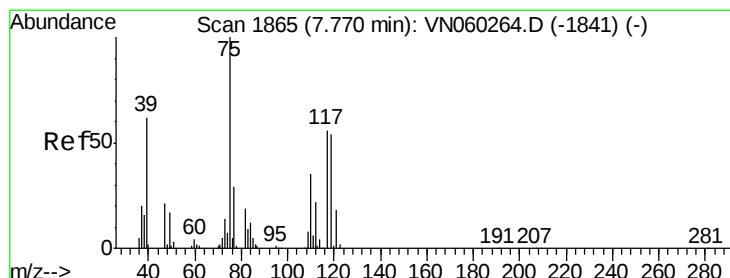
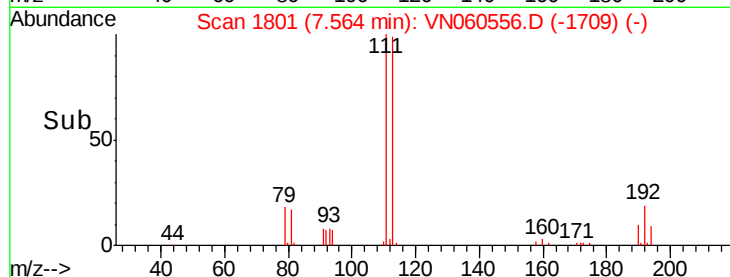
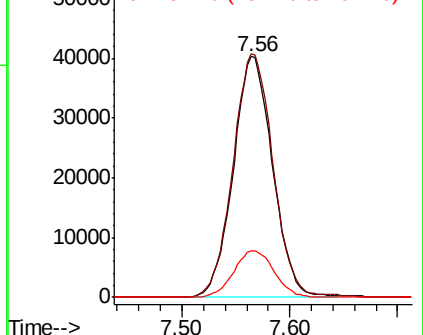
192 19.8 16.2 24.2



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: VN060556.D

Acq: 17 Mar 2020 15:03

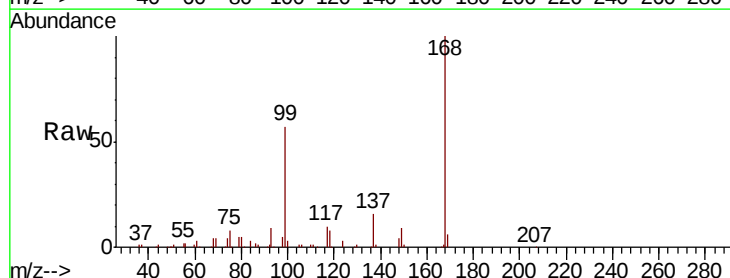
Tgt Ion: 75 Resp: 16258

Ion Ratio Lower Upper

75 100

110 7.8 17.3 52.0#

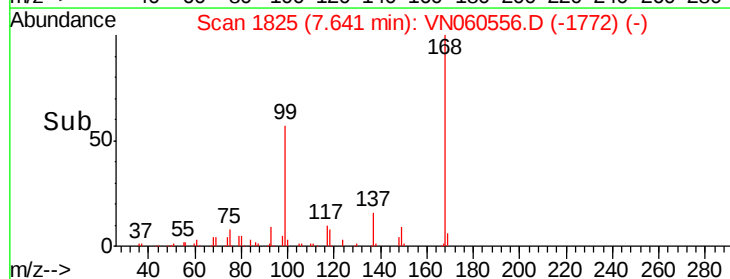
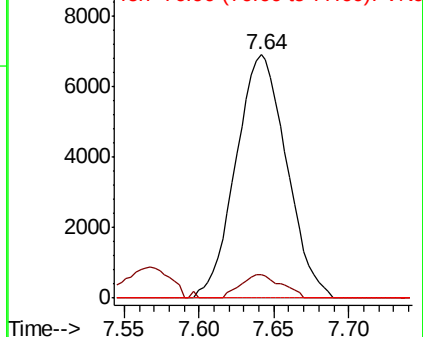
77 0.0 24.2 36.2#

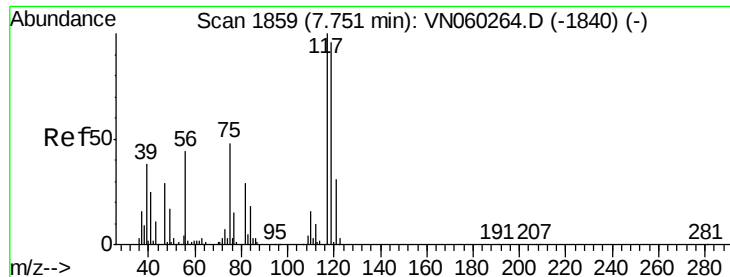


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VNO

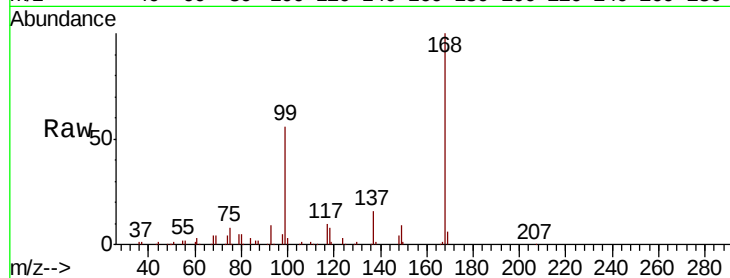




#38
Carbon Tetrachloride
Concen: 6.146 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. -0.11 min
Lab File: VN060556.D
Acq: 17 Mar 2020 15:03

Instrument :
MSVOA_N
ClientSampleId :
PB127594ZHE#01

Tot Ion	Ratio	Lower	Upper
117	100		
119	5.0	76.7	115.1#
121	0.0	24.5	36.7#

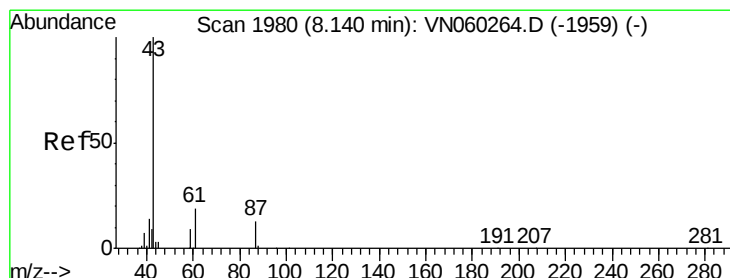
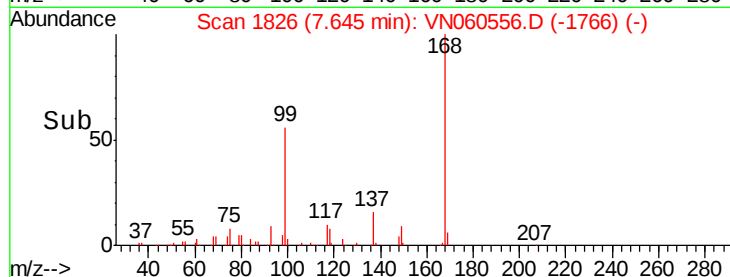
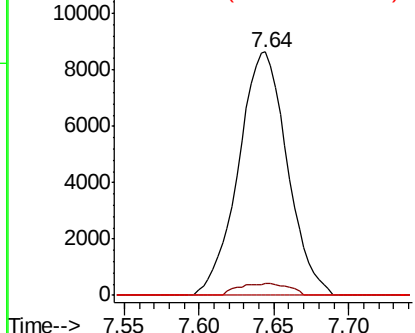


Abundance

Ion 116.80 (116.50 to 117.50): V

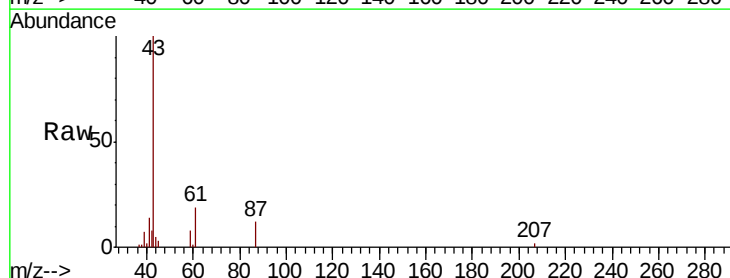
Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43
Isopropyl Acetate
Concen: 9.382 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. 0.00 min
Lab File: VN060556.D
Acq: 17 Mar 2020 15:03

Tgt Ion	Ratio	Lower	Upper
43	100		
61	19.5	20.9	31.3#
87	11.9	10.6	16.0

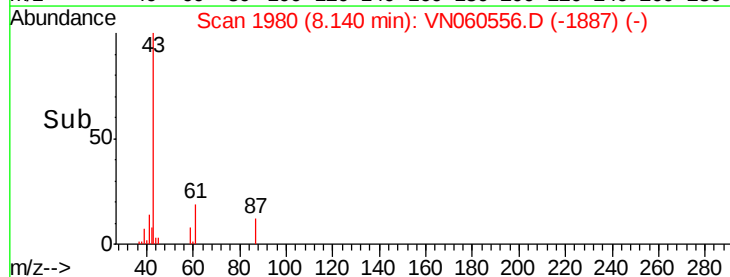
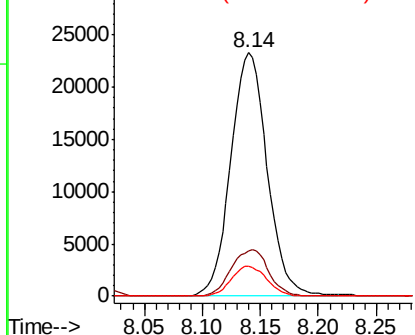


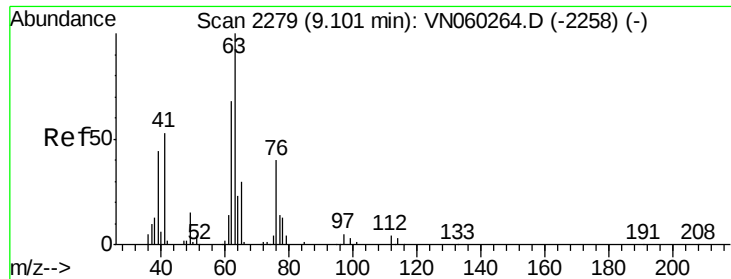
Abundance

Ion 43.00 (42.70 to 43.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

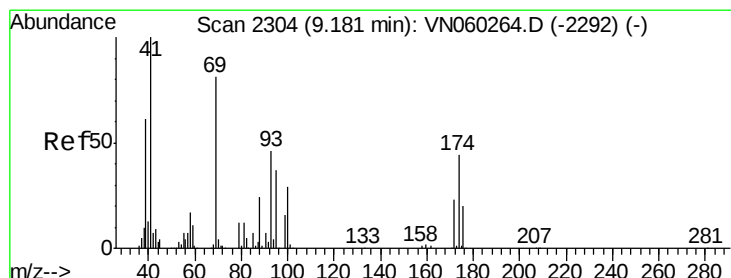
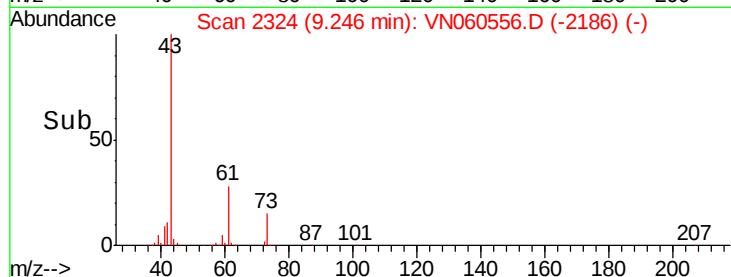
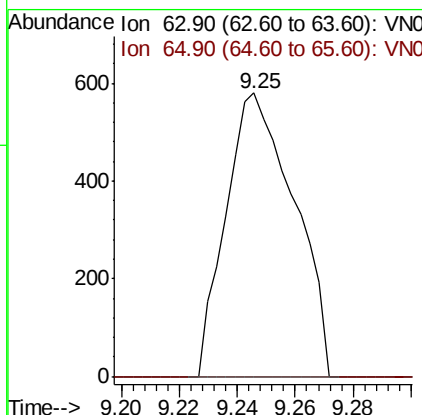
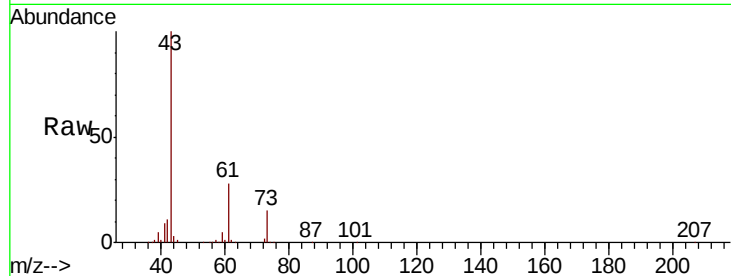




#45
 1,2-Dichloropropane
 Concen: 0.379 ug/l
 RT: 9.25 min Scan# 2324
 Delta R.T. 0.14 min
 Lab File: VN060556.D
 Acq: 17 Mar 2020 15:03

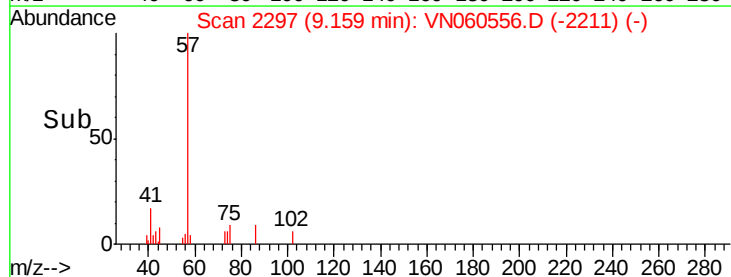
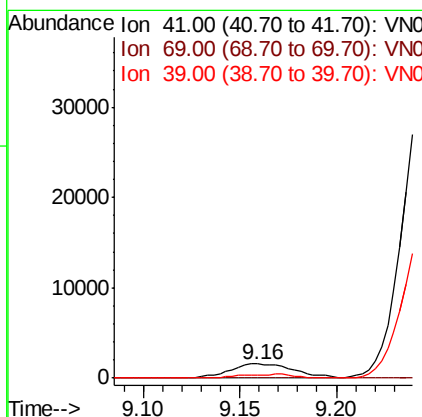
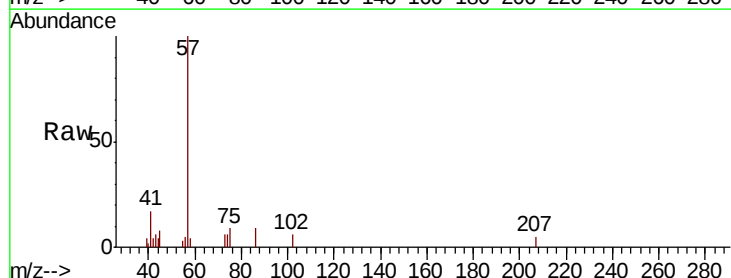
Instrument :
 MSVOA_N
 ClientSampleId :
 PB127594ZHE#01

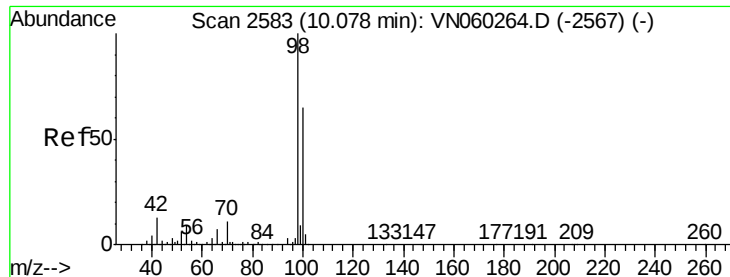
Tot Ion: 63 Resp: 945
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.4 36.6#



#48
 Methyl methacrylate
 Concen: 1.478 ug/l
 RT: 9.16 min Scan# 2297
 Delta R.T. -0.02 min
 Lab File: VN060556.D
 Acq: 17 Mar 2020 15:03

Tgt Ion: 41 Resp: 3665
 Ion Ratio Lower Upper
 41 100
 69 0.0 66.7 100.1#
 39 0.0 50.1 75.1#





#50

Toluene-d8

Concen: 52.410 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN060556.D

Acq: 17 Mar 2020 15:03

Instrument :

MSVOA_N

ClientSampleId :

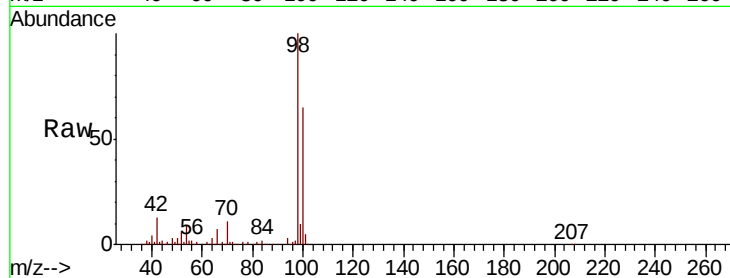
PB127594ZHE#01

Tot Ion: 98 Resp: 423745

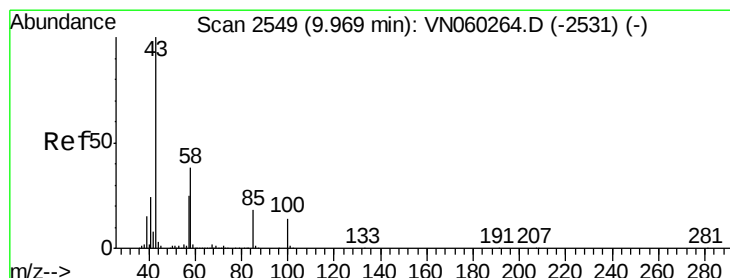
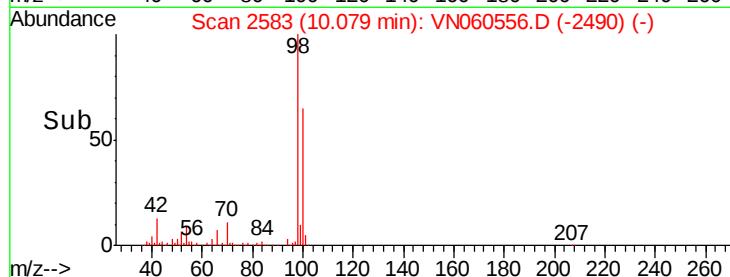
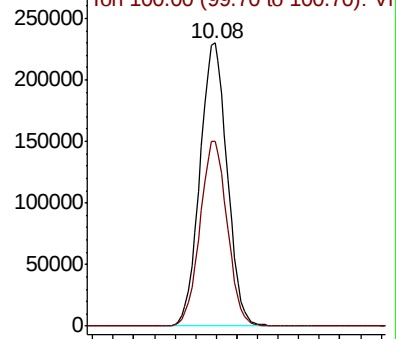
Ion Ratio Lower Upper

98 100

100 65.1 52.2 78.2



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



#51

4-Methyl-2-Pentanone

Concen: 1.811 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN060556.D

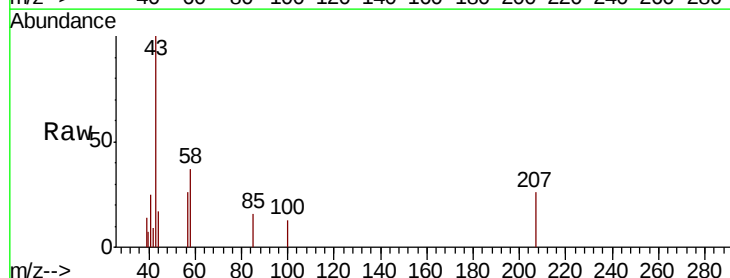
Acq: 17 Mar 2020 15:03

Tgt Ion: 43 Resp: 5582

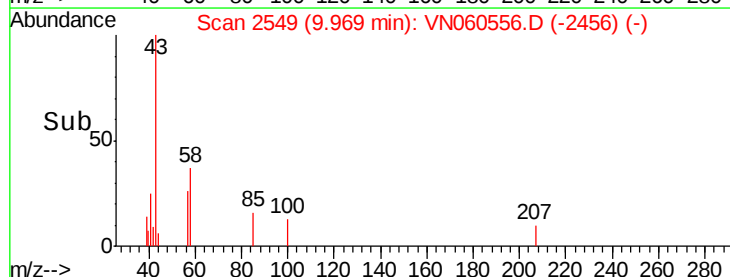
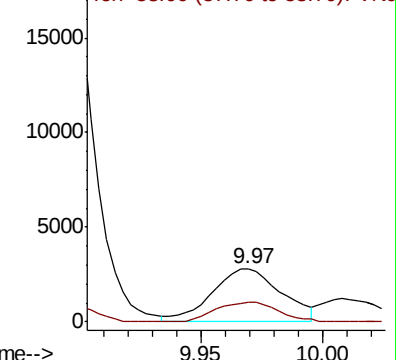
Ion Ratio Lower Upper

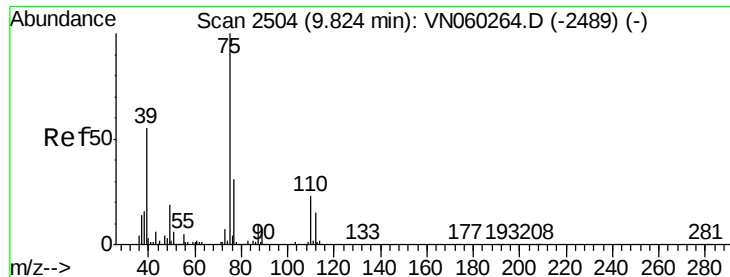
43 100

58 33.3 30.9 46.3



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





#54

cis-1,3-Dichloropropene

Concen: 5.175 ug/l

RT: 9.89 min Scan# 2524

Delta R.T. 0.06 min

Lab File: VN060556.D

Acq: 17 Mar 2020 15:03

Instrument :

MSVOA_N

ClientSampleId :

PB127594ZHE#01

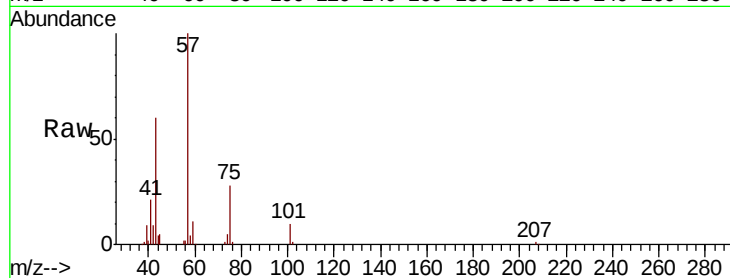
Tot Ion: 75 Resp: 21645

Ion Ratio Lower Upper

75 100

77 0.0 24.8 37.2#

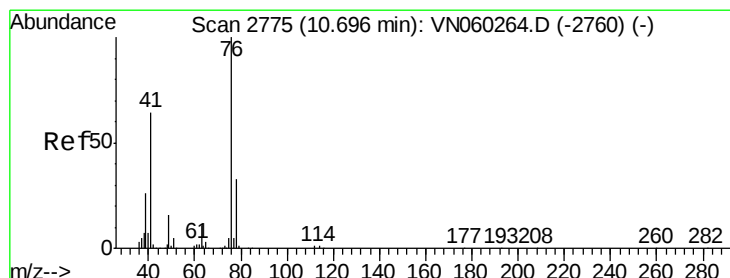
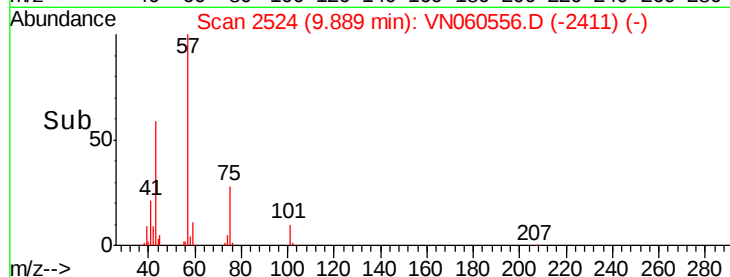
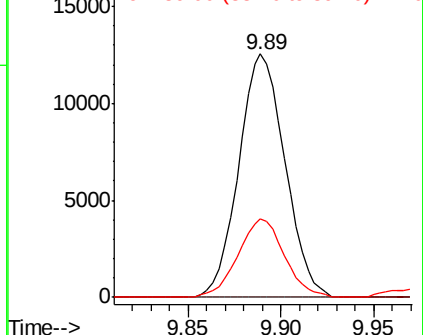
39 32.0 43.8 65.8#



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



#57

1,3-Dichloropropane

Concen: 0.905 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.06 min

Lab File: VN060556.D

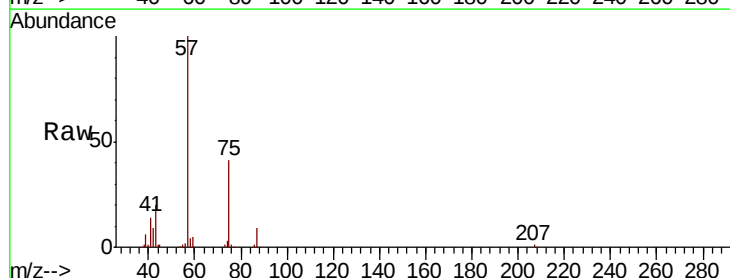
Acq: 17 Mar 2020 15:03

Tgt Ion: 76 Resp: 3560

Ion Ratio Lower Upper

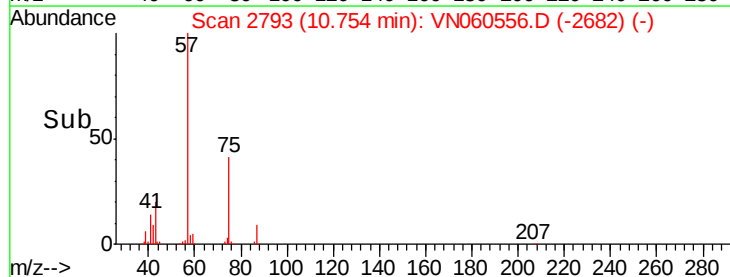
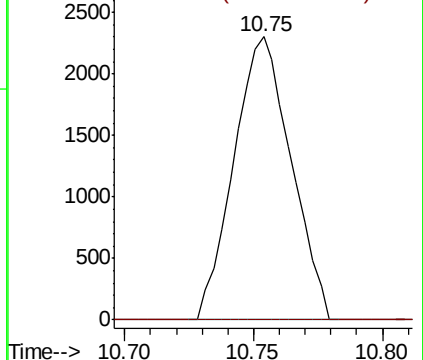
76 100

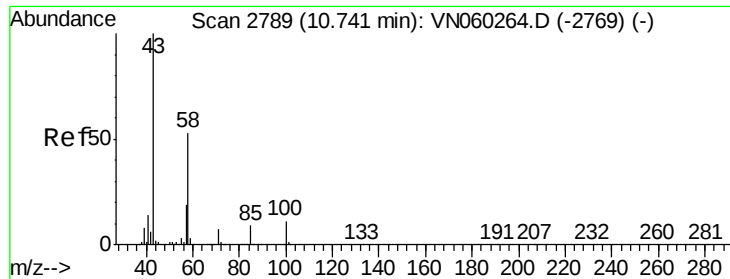
78 0.0 26.2 39.2#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

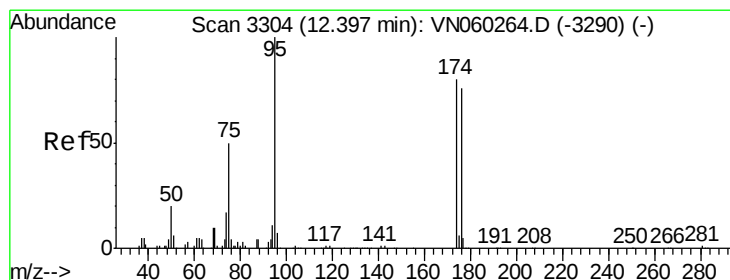
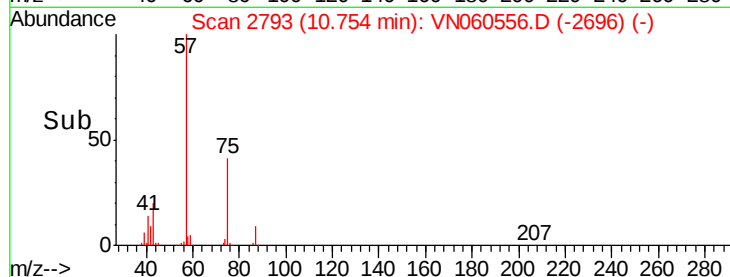
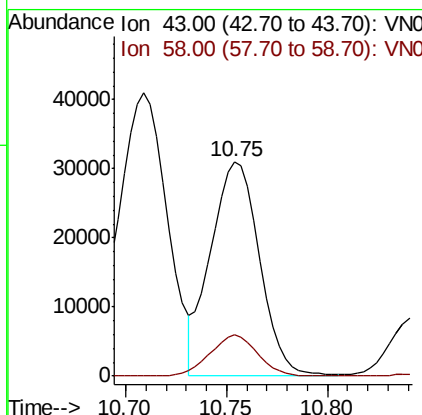
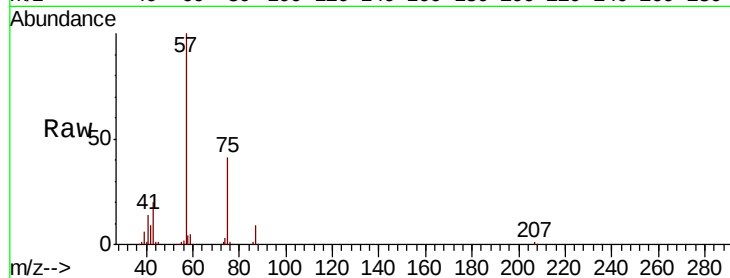




#59
2-Hexanone
Concen: 22.903 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.01 min
Lab File: VN060556.D
Acq: 17 Mar 2020 15:03

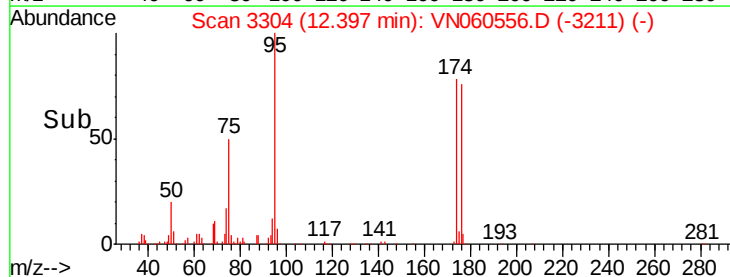
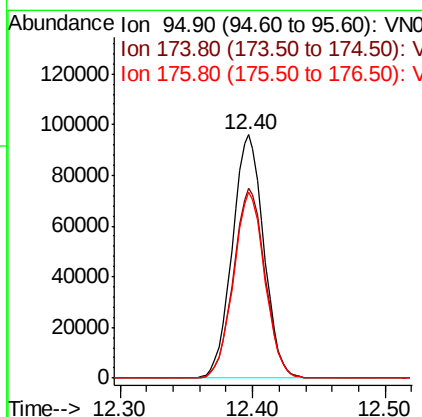
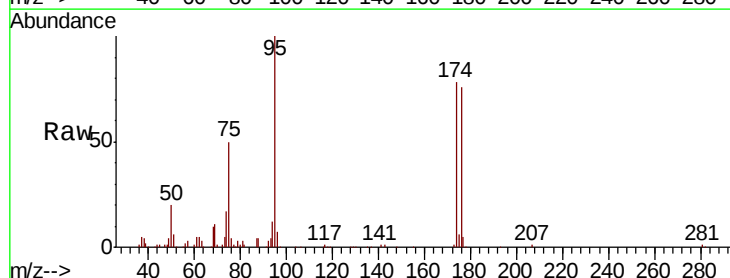
Instrument :
MSVOA_N
ClientSampleId :
PB127594ZHE#01

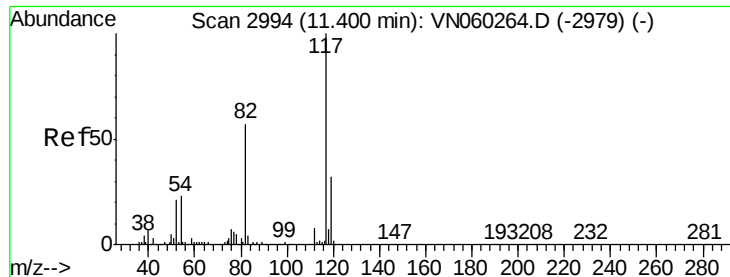
Tot Ion: 43 Resp: 51840
Ion Ratio Lower Upper
43 100
58 18.8 26.5 79.5#



#62
4-Bromofluorobenzene
Concen: 51.474 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN060556.D
Acq: 17 Mar 2020 15:03

Tgt Ion: 95 Resp: 157764
Ion Ratio Lower Upper
95 100
174 78.5 0.0 159.2
176 76.2 0.0 153.8

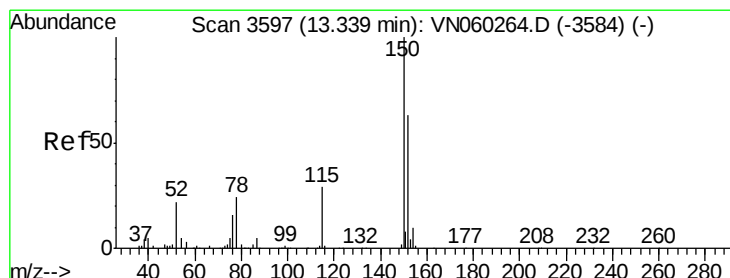
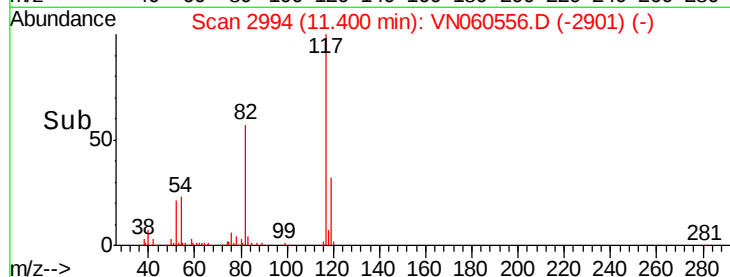
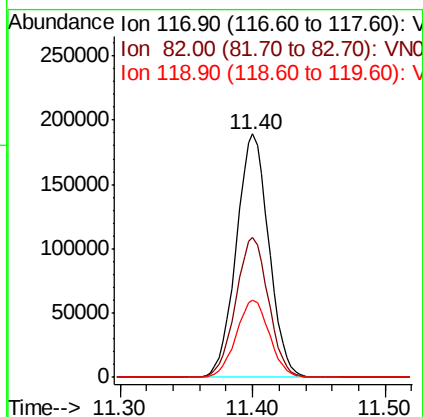
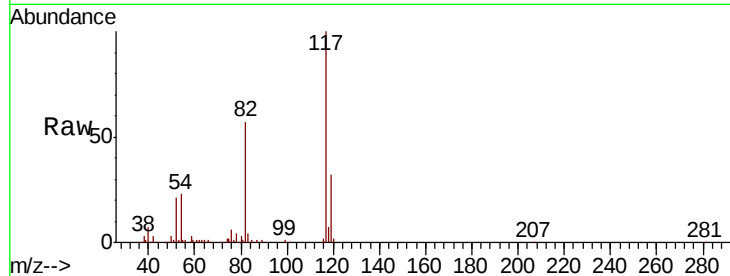




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060556.D
Acq: 17 Mar 2020 15:03

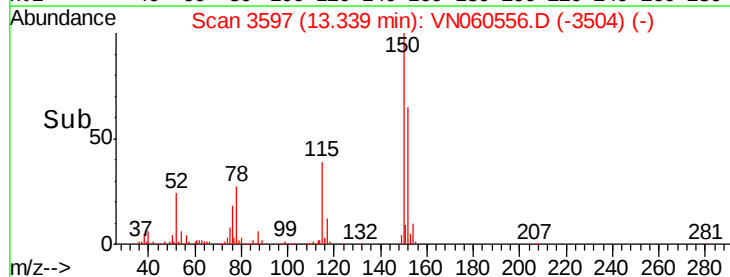
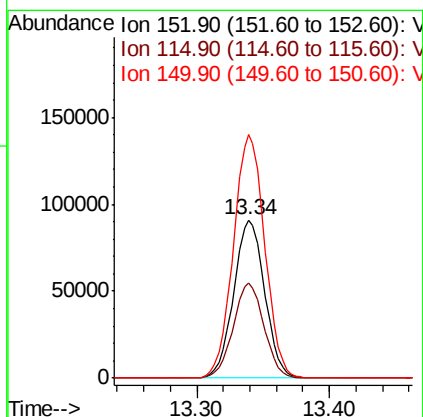
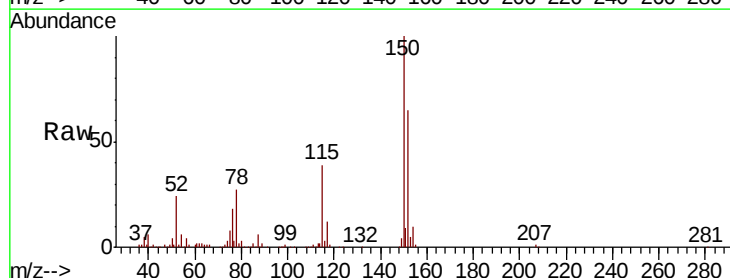
Instrument :
MSVOA_N
ClientSampleId :
PB127594ZHE#01

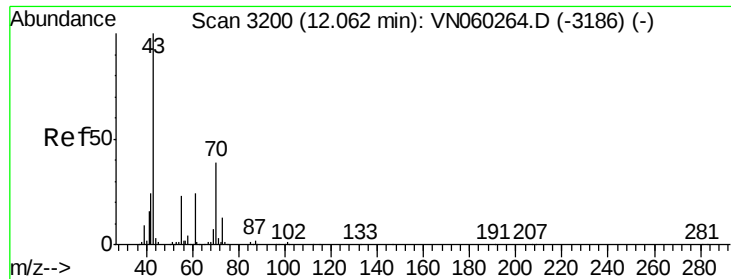
Tot Ion:117 Resp: 321777
Ion Ratio Lower Upper
117 100
82 57.4 45.8 68.6
119 31.9 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN060556.D
Acq: 17 Mar 2020 15:03

Tgt Ion:152 Resp: 147304
Ion Ratio Lower Upper
152 100
115 59.7 30.0 90.0
150 155.9 0.0 349.6





#74

N-amvl acetate

Concen: 0.857 ug/l

RT: 12.02 min Scan# 3188

Delta R.T. -0.04 min

Lab File: VN060556.D

Acq: 17 Mar 2020 15:03

Instrument :

MSVOA_N

ClientSampleId :

PB127594ZHE#01

Tot Ion: 43 Resp: 4087

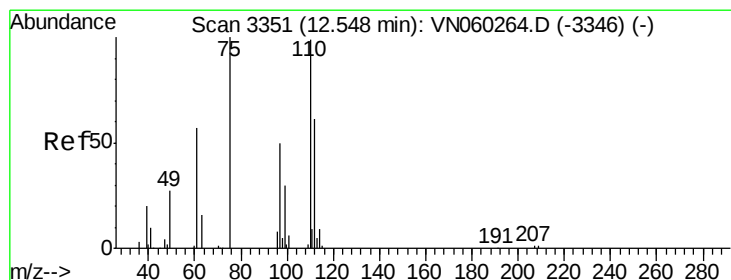
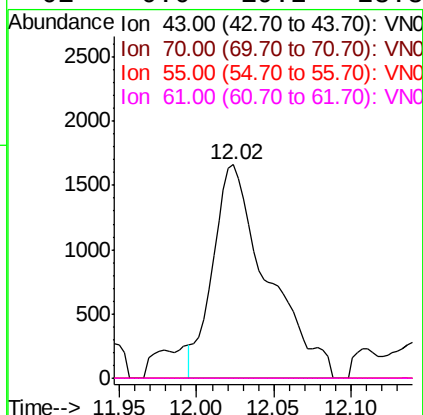
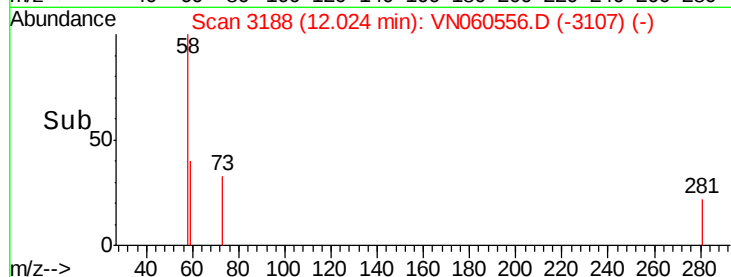
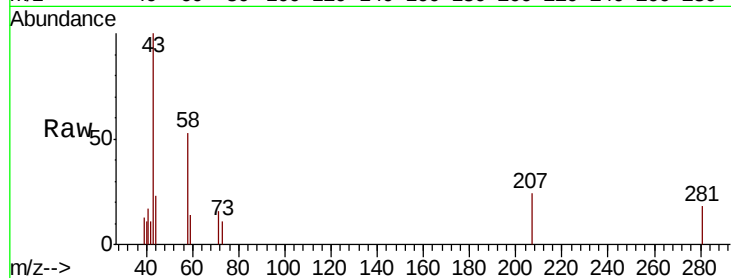
Ion Ratio Lower Upper

43 100

70 0.0 32.2 48.2#

55 0.0 18.2 27.4#

61 0.0 19.2 28.8#



#76

1,2,3-Trichloropropane

Concen: 24.965 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060556.D

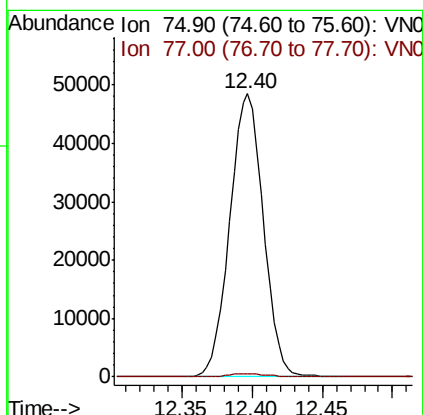
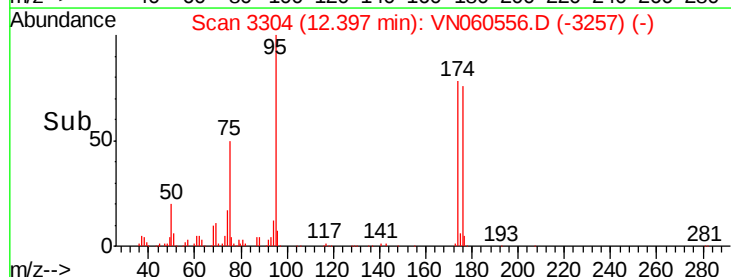
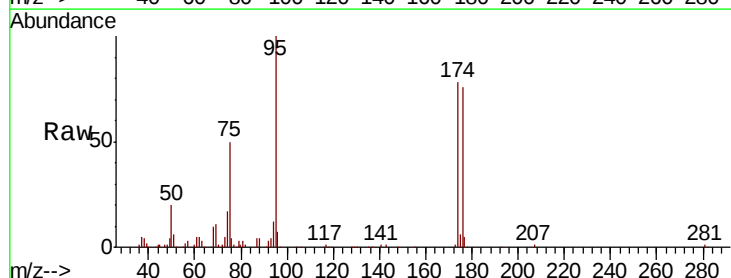
Acq: 17 Mar 2020 15:03

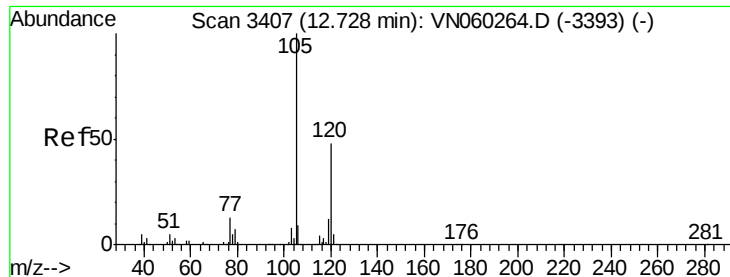
Tgt Ion: 75 Resp: 80682

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#

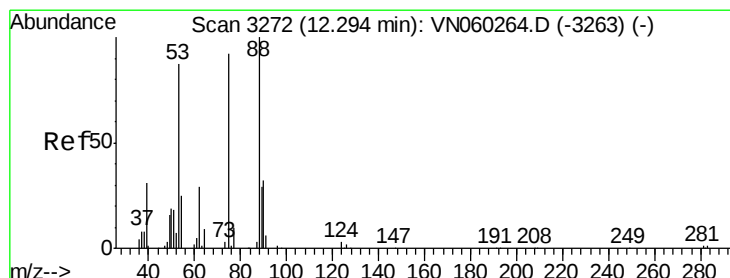
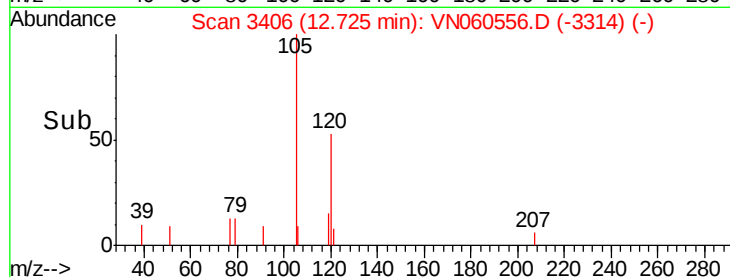
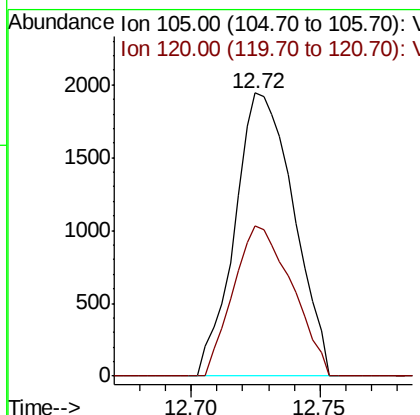
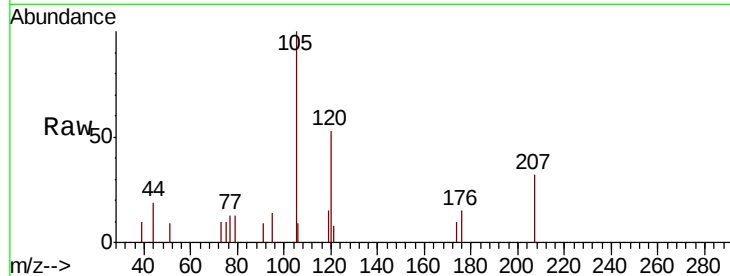




#80
 1,3,5-Trimethylbenzene
 Concen: 0.337 ug/l
 RT: 12.72 min Scan# 3406
 Delta R.T. -0.00 min
 Lab File: VN060556.D
 Acq: 17 Mar 2020 15:03

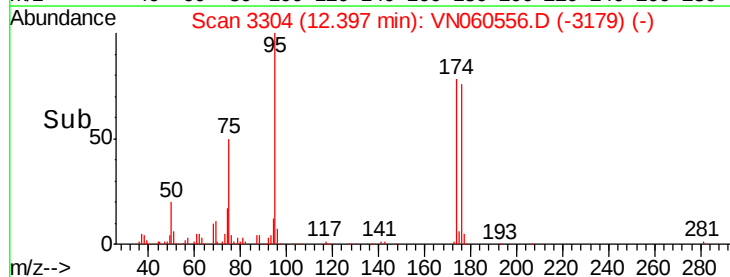
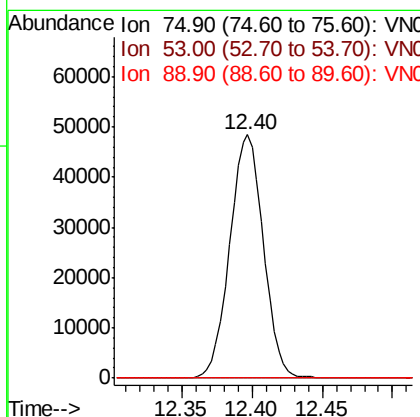
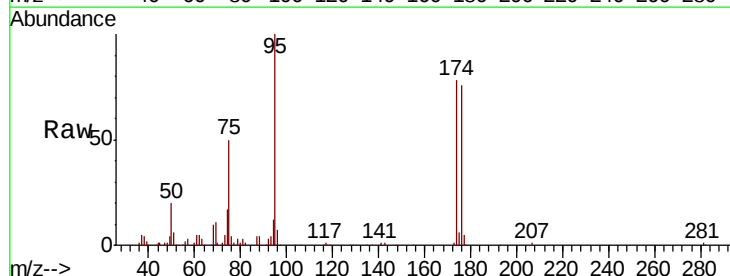
Instrument :
 MSVOA_N
 ClientSampleId :
 PB127594ZHE#01

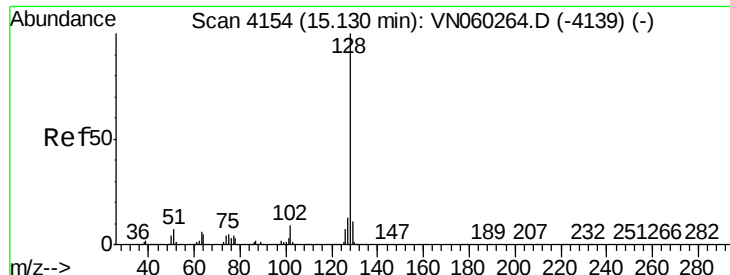
Tot Ion:105 Resp: 3102
 Ion Ratio Lower Upper
 105 100
 120 52.8 24.1 72.4



#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.914 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.10 min
 Lab File: VN060556.D
 Acq: 17 Mar 2020 15:03

Tgt Ion: 75 Resp: 80682
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.8 110.6#
 89 0.0 57.1 85.7#





#95

Naphthalene

Concen: Below Cal

RT: 15.13 min Scan# 4153

Delta R.T. -0.00 min

Lab File: VN060556.D

Acq: 17 Mar 2020 15:03

Instrument :

MSVOA_N

ClientSampleId :

PB127594ZHE#01

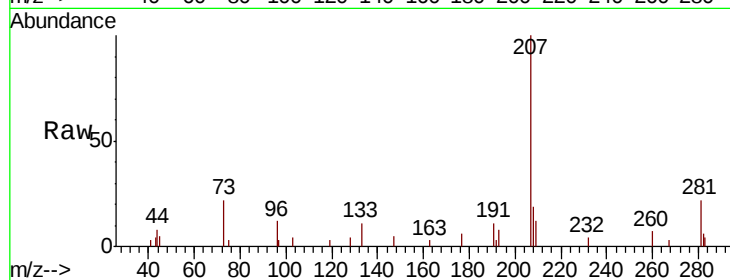
Tot Ion:128 Resp: 270

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

129 0.0 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

