

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031920\
 Data File : VN060631.D
 Acq On : 19 Mar 2020 13:06
 Operator : JC/MD
 Sample : PB127661ZHE#03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB127661ZHE#03

Quant Time: Mar 20 01:48:44 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	199202	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	333546	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	309980	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	138476	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	130127	47.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.18%	
35) Dibromofluoromethane	7.57	113	98677	48.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.86%	
50) Toluene-d8	10.08	98	411823	49.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.98%	
62) 4-Bromofluorobenzene	12.40	95	150679	49.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.82%	

Target Compounds

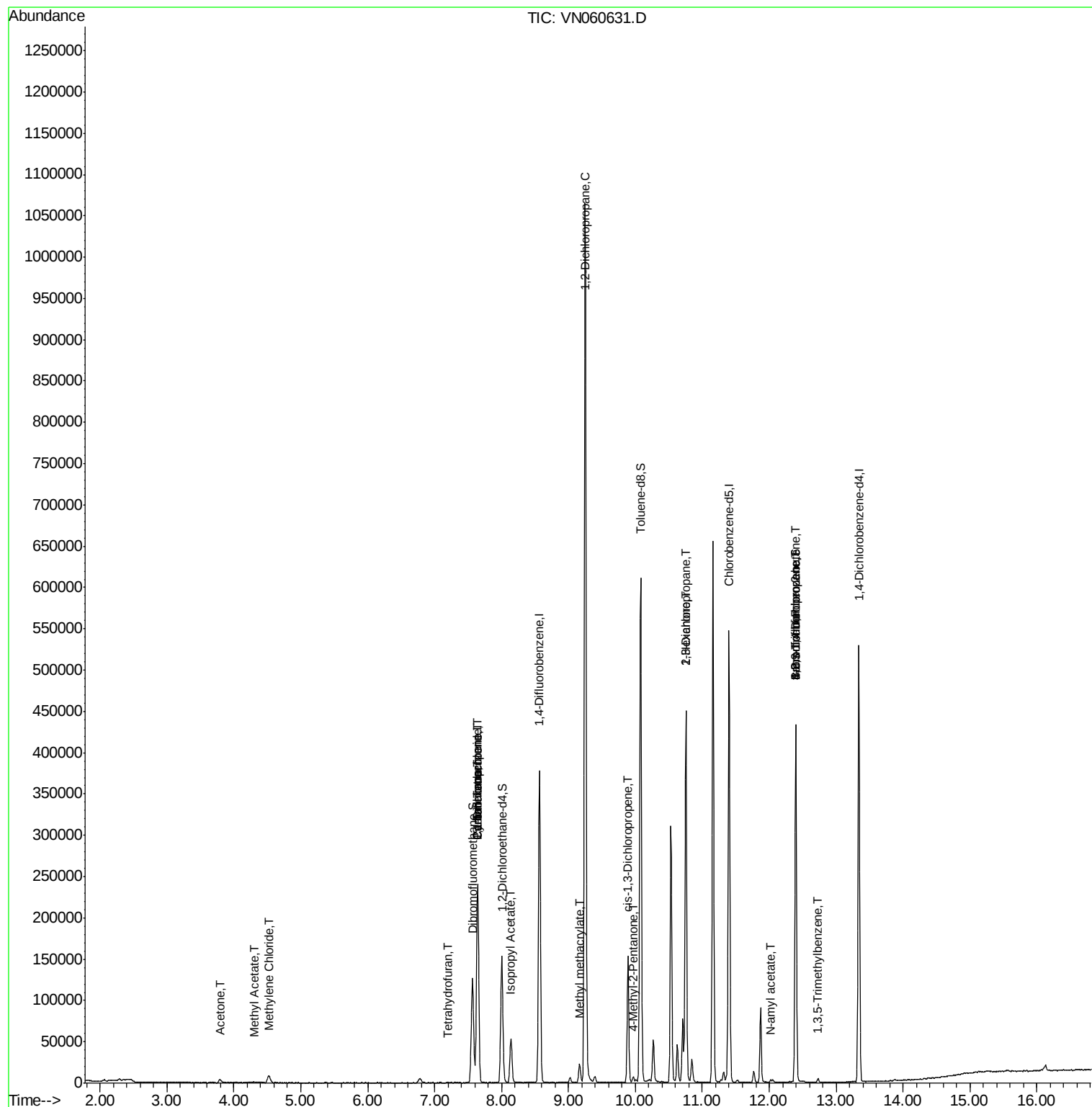
						Qvalue
16) Acetone	3.79	43	6188	6.388	ug/l	92
18) Methyl Acetate	4.30	43	1844	0.676	ug/l #	72
20) Methylene Chloride	4.52	84	6725	2.822	ug/l	96
29) Tetrahydrofuran	7.20	42	300	0.271	ug/l #	35
31) Cyclohexane	7.64	56	4214	0.957	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	15455	4.785	ug/l #	49
38) Carbon Tetrachloride	7.64	117	18711	6.464	ug/l #	16
43) Isopropyl Acetate	8.14	43	64997	11.293	ug/l #	91
45) 1,2-Dichloropropane	9.25	63	1225	0.476	ug/l #	43
48) Methyl methacrylate	9.16	41	3456	1.349	ug/l #	15
51) 4-Methyl-2-Pentanone	9.97	43	5352	1.634	ug/l	94
54) cis-1,3-Dichloropropene	9.89	75	27285	6.699	ug/l #	59
57) 1,3-Dichloropropane	10.75	76	4635	1.179	ug/l #	42
59) 2-Hexanone	10.75	43	66282	28.095	ug/l #	52
71) Bromoform	12.39	173	284	1.829	ug/l #	1
74) N-amyl acetate	12.02	43	2565	0.534	ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	76499	25.602	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	3106	0.352	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.40	75	76499	65.753	ug/l #	13

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

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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: VN060631.D

Acq: 19 Mar 2020 13:06

Instrument :

MSVOA_N

ClientSampleId :

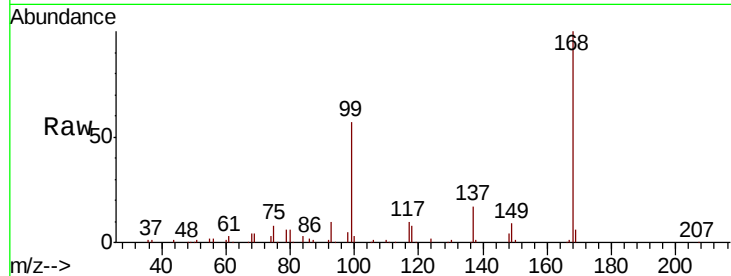
PB127661ZHE#03

Tot Ion:168 Resp: 199202

Ion Ratio Lower Upper

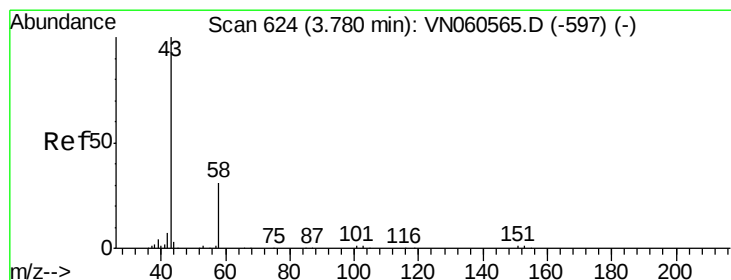
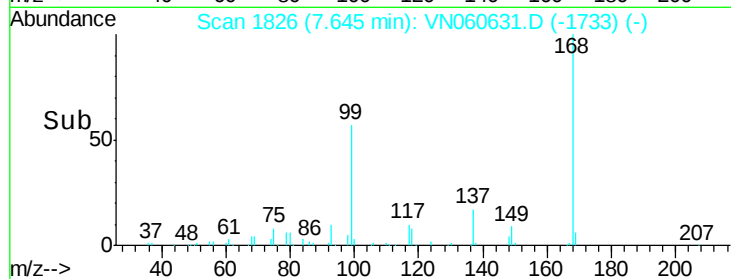
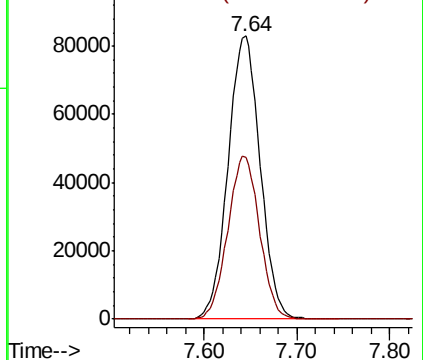
168 100

99 57.2 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: 6.388 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.01 min

Lab File: VN060631.D

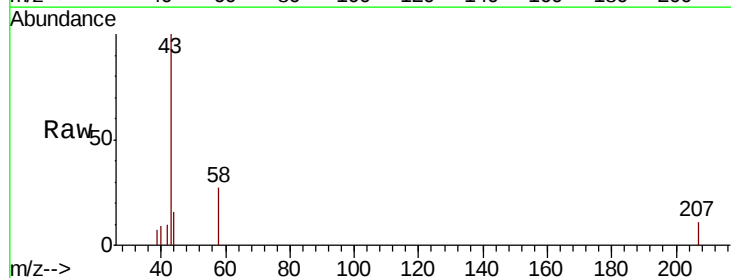
Acq: 19 Mar 2020 13:06

Tgt Ion: 43 Resp: 6188

Ion Ratio Lower Upper

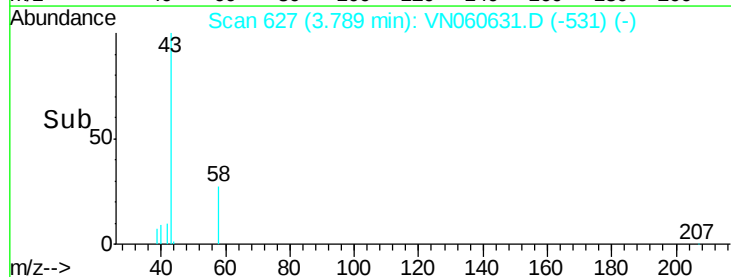
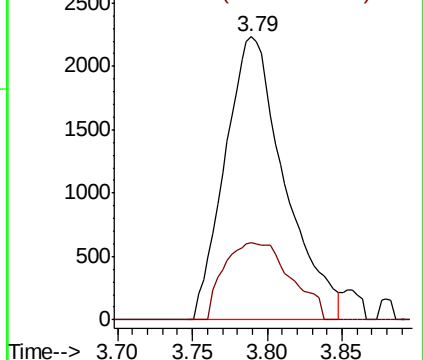
43 100

58 27.2 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

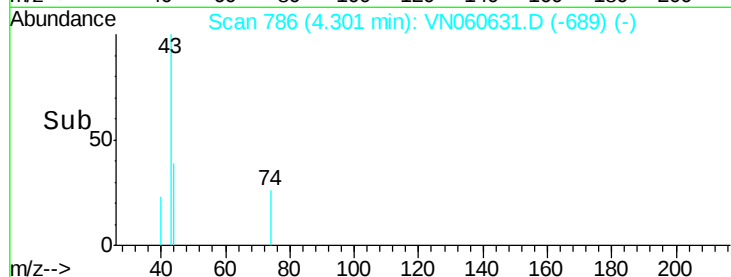
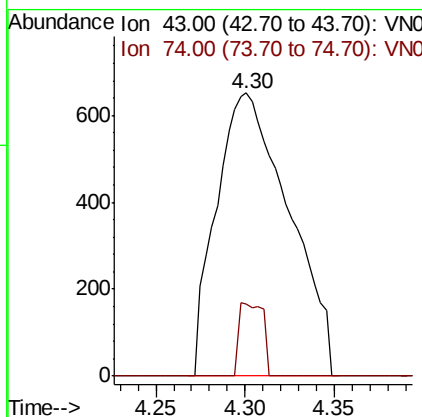
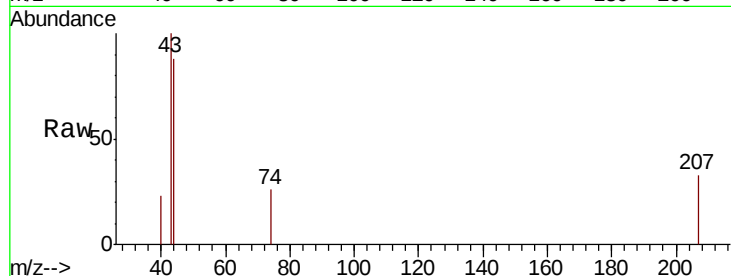




#18
Methyl Acetate
Concen: 0.676 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.01 min
Lab File: VN060631.D
Acq: 19 Mar 2020 13:06

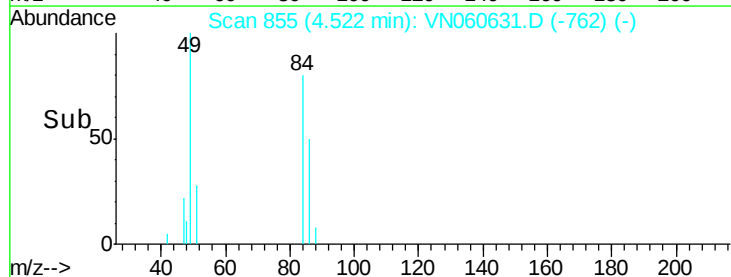
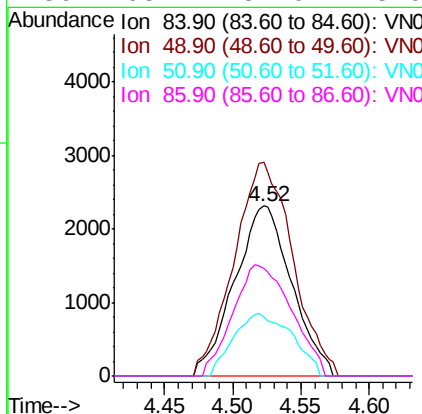
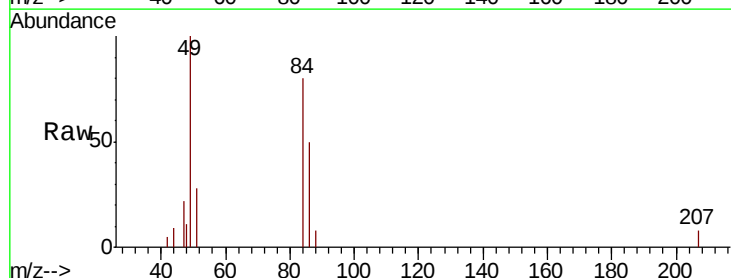
Instrument :
MSVOA_N
ClientSampleId :
PB127661ZHE#03

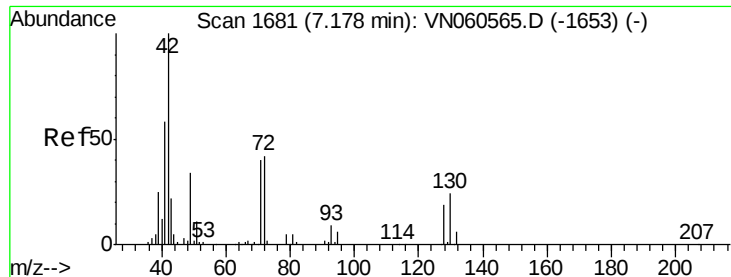
Tot Ion: 43 Resp: 1844
Ion Ratio Lower Upper
43 100
74 8.5 17.5 26.3#



#20
Methylene Chloride
Concen: 2.822 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN060631.D
Acq: 19 Mar 2020 13:06

Tgt Ion: 84 Resp: 6725
Ion Ratio Lower Upper
84 100
49 125.6 103.3 154.9
51 34.8 31.6 47.4
86 63.4 52.0 78.0

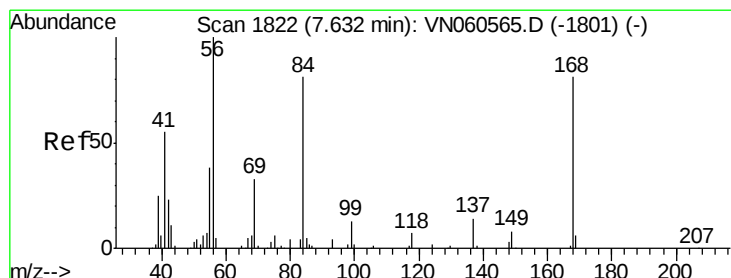
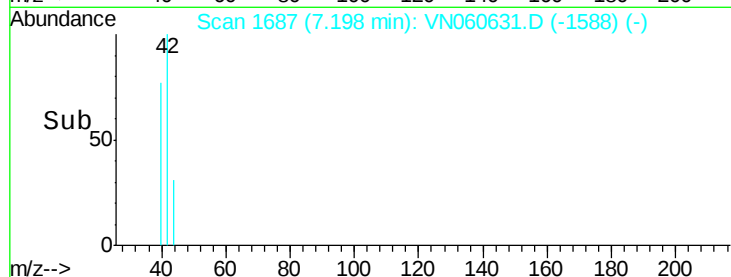
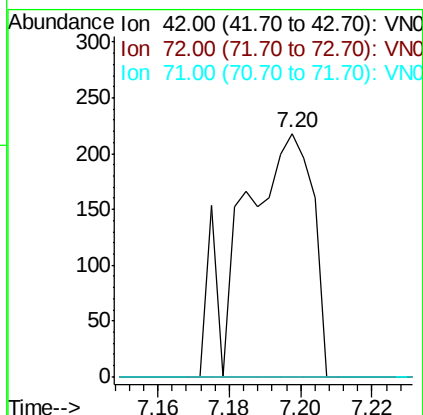
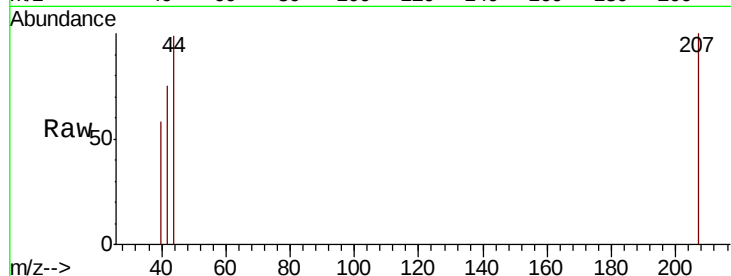




#29
Tetrahydrofuran
Concen: 0.271 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.02 min
Lab File: VN060631.D
Acq: 19 Mar 2020 13:06

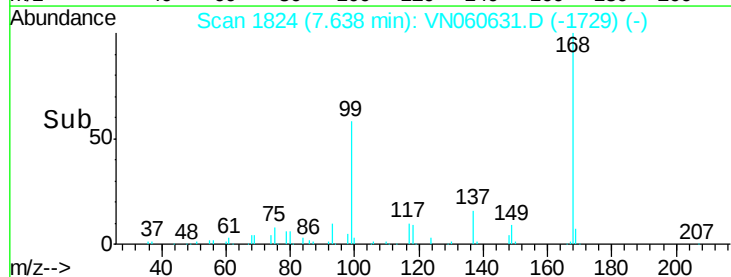
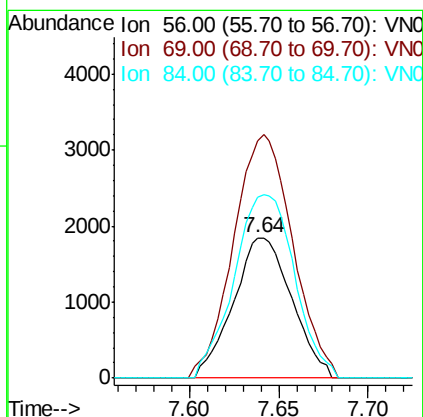
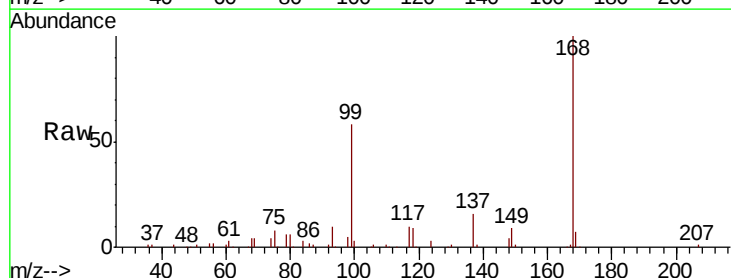
Instrument :
MSVOA_N
ClientSampleId :
PB127661ZHE#03

Tot Ion: 42 Resp: 300
Ion Ratio Lower Upper
42 100
72 0.0 33.2 49.8#
71 0.0 31.1 46.7#



#31
Cyclohexane
Concen: 0.957 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.01 min
Lab File: VN060631.D
Acq: 19 Mar 2020 13:06

Tgt Ion: 56 Resp: 4214
Ion Ratio Lower Upper
56 100
69 169.4 26.6 40.0#
84 128.7 64.3 96.5#





#33

1,2-Dichloroethane-d4

Concen: 47.586 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. -0.00 min

Lab File: VN060631.D

Acq: 19 Mar 2020 13:06

Instrument :

MSVOA_N

ClientSampleId :

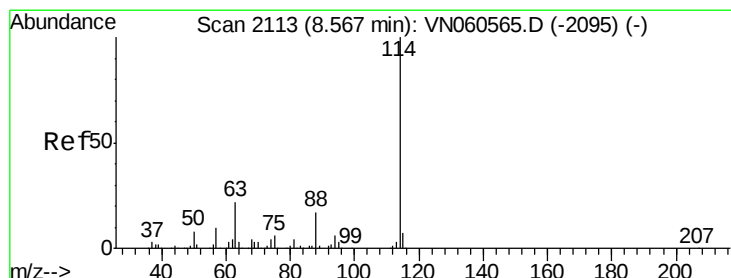
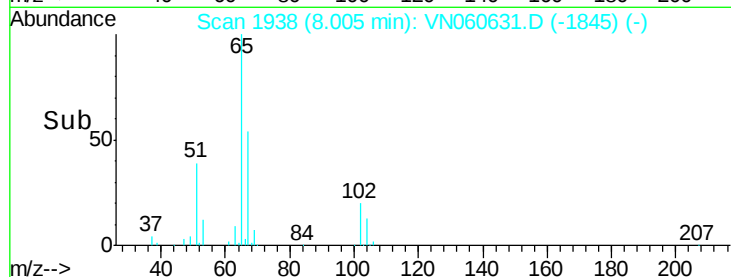
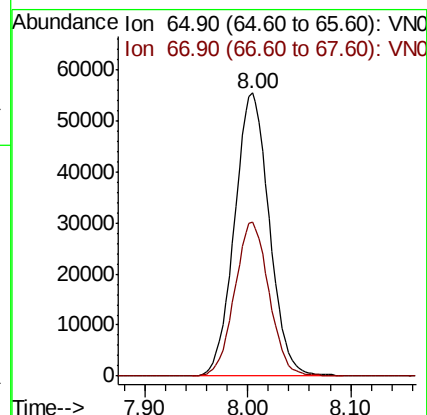
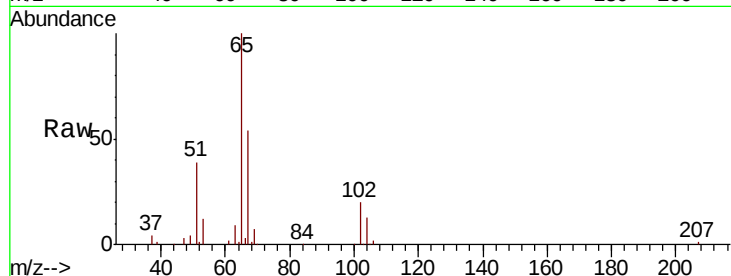
PB127661ZHE#03

Tot Ion: 65 Resp: 130127

Ion Ratio Lower Upper

65 100

67 53.8 0.0 107.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VN060631.D

Acq: 19 Mar 2020 13:06

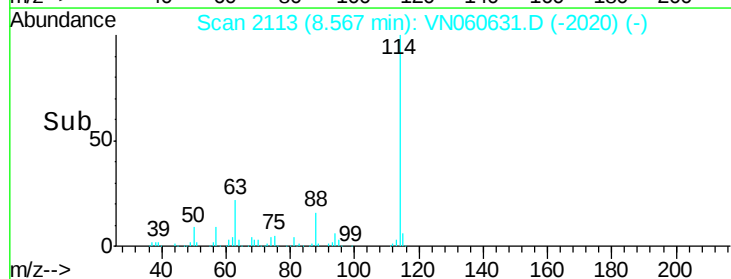
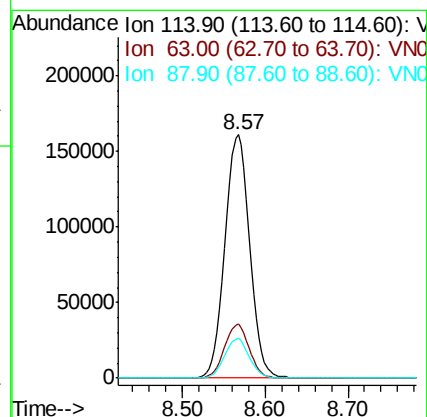
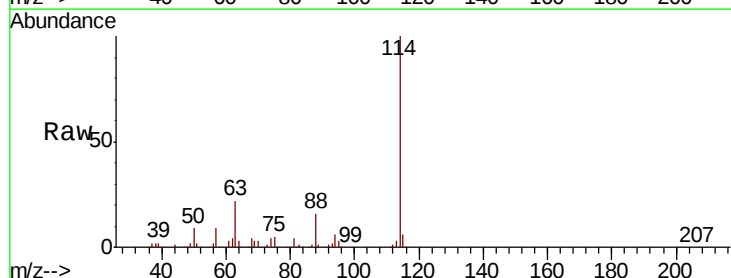
Tgt Ion: 114 Resp: 333546

Ion Ratio Lower Upper

114 100

63 22.0 0.0 43.8

88 16.2 0.0 33.0

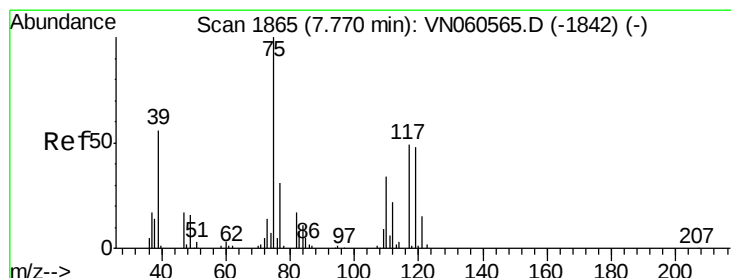
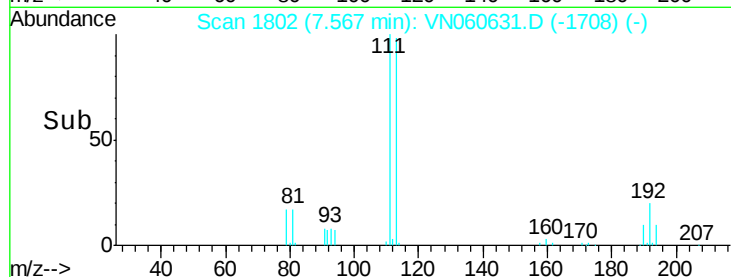
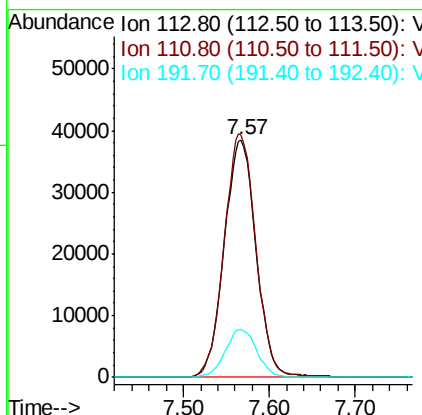
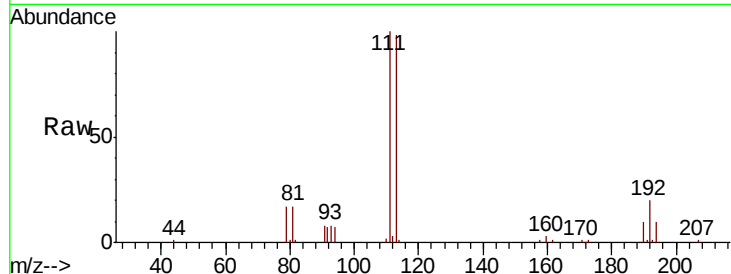




#35
 Dibromofluoromethane
 Concen: 48.926 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN060631.D
 Acq: 19 Mar 2020 13:06

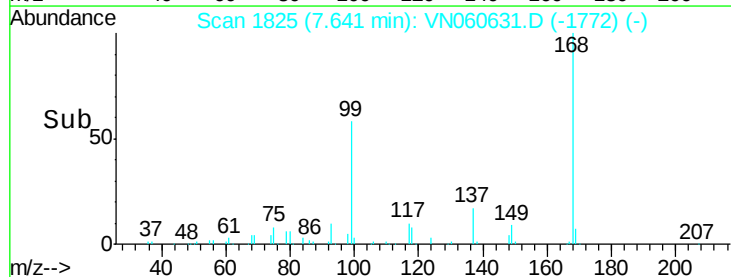
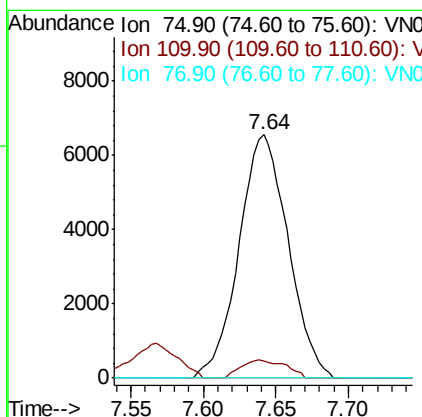
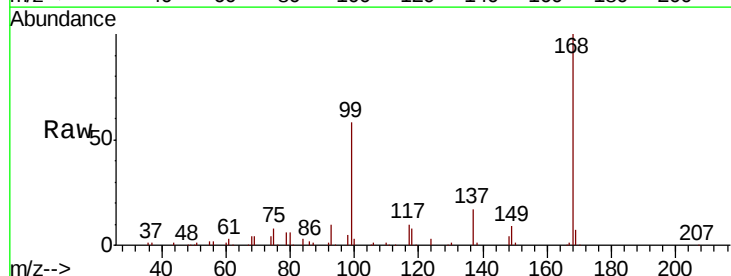
Instrument :
 MSVOA_N
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 PB127661ZHE#03

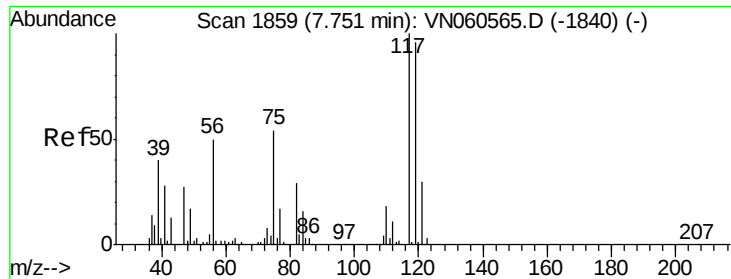
Tot Ion:113 Resp: 98677
 Ion Ratio Lower Upper
 113 100
 111 101.8 82.9 124.3
 192 20.0 15.8 23.8



#36
 1,1-Dichloropropene
 Concen: 4.785 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN060631.D
 Acq: 19 Mar 2020 13:06

Tgt Ion: 75 Resp: 15455
 Ion Ratio Lower Upper
 75 100
 110 6.8 16.9 50.6#
 77 0.0 24.6 36.8#

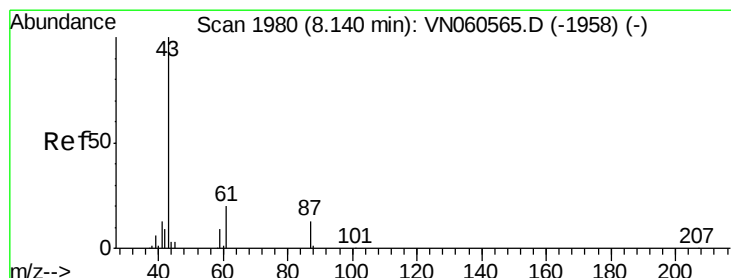
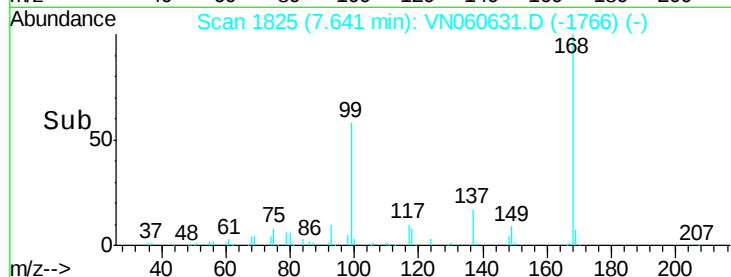
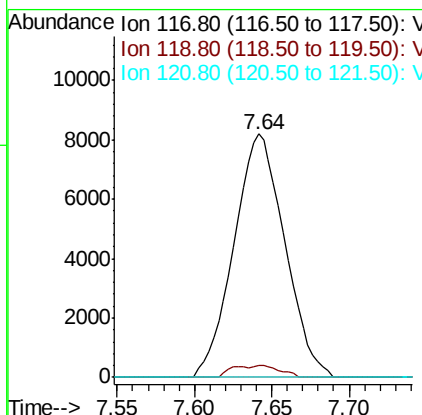
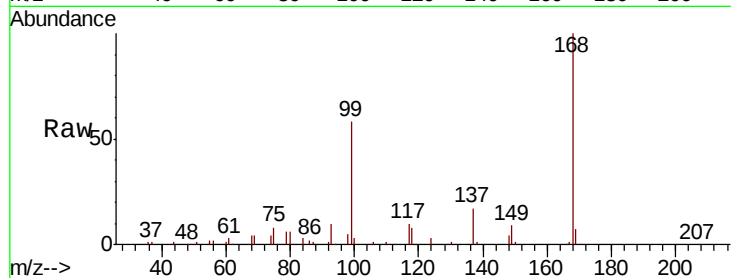




#38
Carbon Tetrachloride
Concen: 6.464 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. -0.11 min
Lab File: VN060631.D
Acq: 19 Mar 2020 13:06

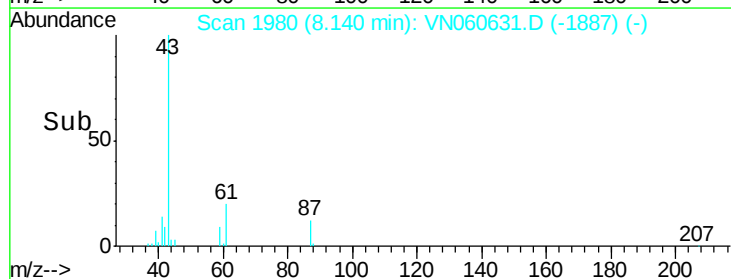
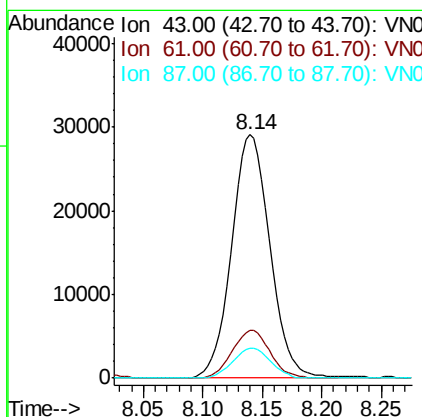
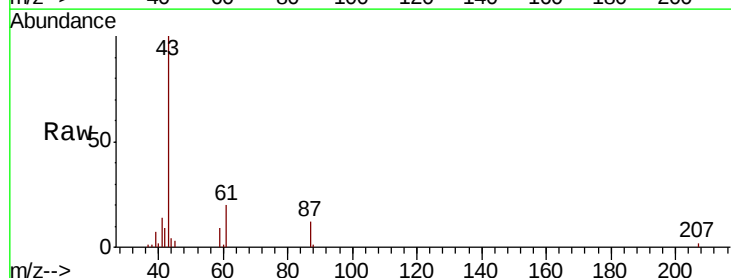
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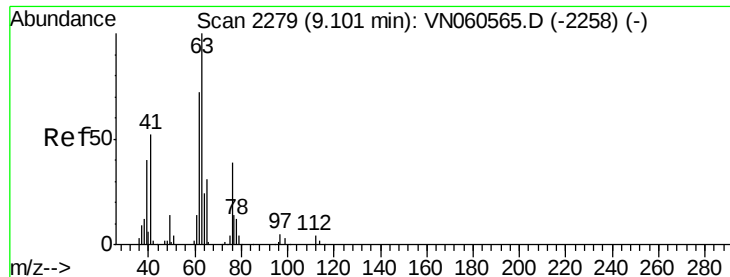
Tot Ion:117 Resp: 18711
Ion Ratio Lower Upper
117 100
119 4.7 76.2 114.2#
121 0.0 23.7 35.5#



#43
Isopropyl Acetate
Concen: 11.293 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. -0.00 min
Lab File: VN060631.D
Acq: 19 Mar 2020 13:06

Tgt Ion: 43 Resp: 64997
Ion Ratio Lower Upper
43 100
61 19.2 20.7 31.1#
87 12.0 9.8 14.8





#45

1,2-Dichloropropane

Concen: 0.476 ug/l

RT: 9.25 min Scan# 2325

Delta R.T. 0.15 min

Lab File: VN060631.D

Acq: 19 Mar 2020 13:06

Instrument :

MSVOA_N

ClientSampleId :

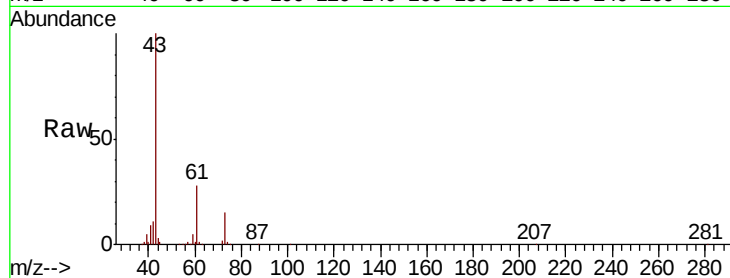
PB127661ZHE#03

Tot Ion: 63 Resp: 1225

Ion Ratio Lower Upper

63 100

65 0.0 25.4 38.0#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.25

800

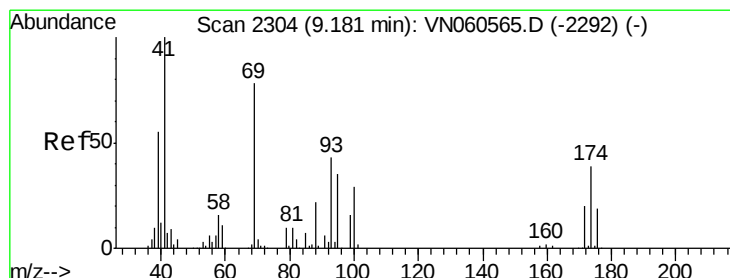
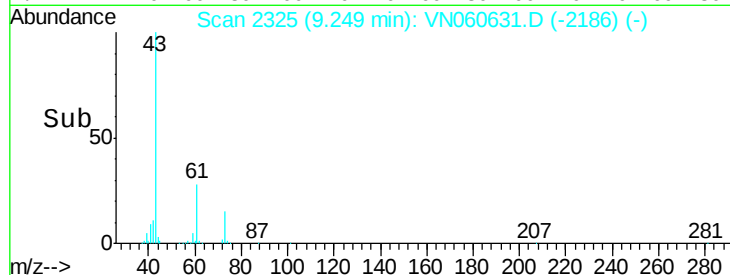
600

400

200

0

Time-->



#48

Methyl methacrylate

Concen: 1.349 ug/l

RT: 9.16 min Scan# 2298

Delta R.T. -0.02 min

Lab File: VN060631.D

Acq: 19 Mar 2020 13:06

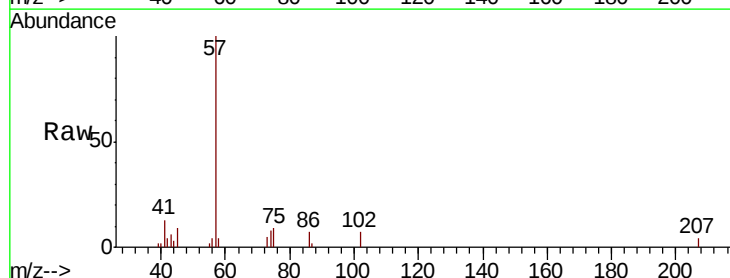
Tgt Ion: 41 Resp: 3456

Ion Ratio Lower Upper

41 100

69 0.0 65.4 98.0#

39 0.0 44.0 66.0#



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

60000

50000

40000

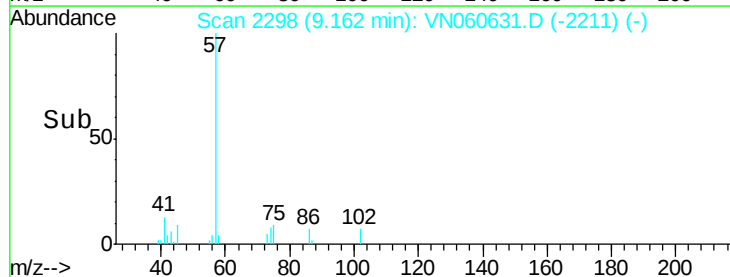
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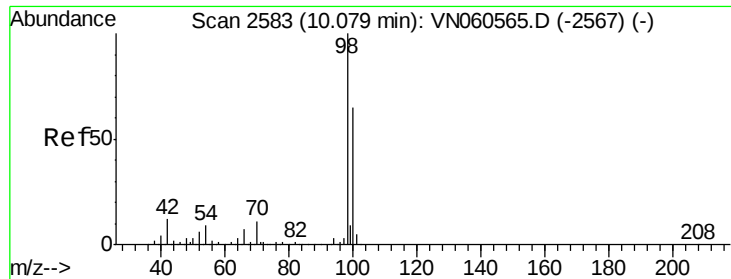
20000

10000

0

Time-->





#50

Toluene-d8

Concen: 49.990 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. -0.00 min

Lab File: VN060631.D

Acq: 19 Mar 2020 13:06

Instrument :

MSVOA_N

ClientSampleId :

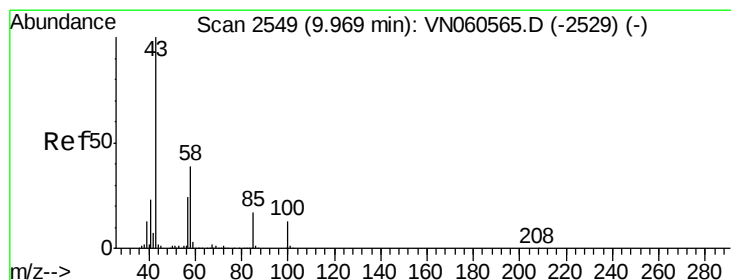
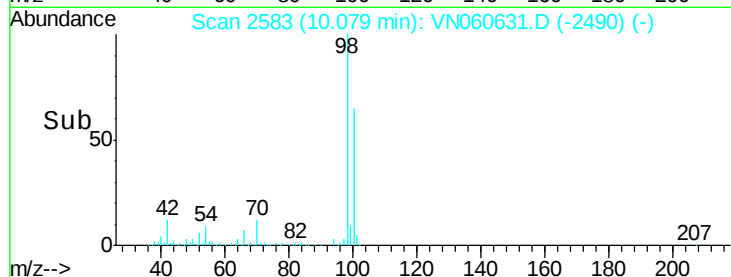
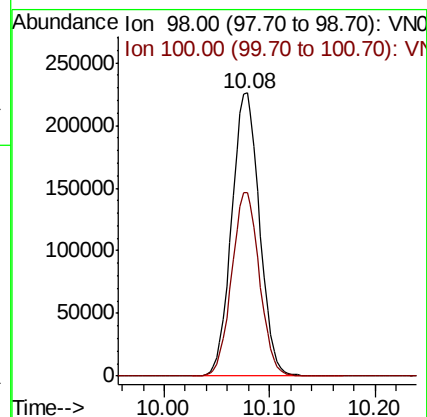
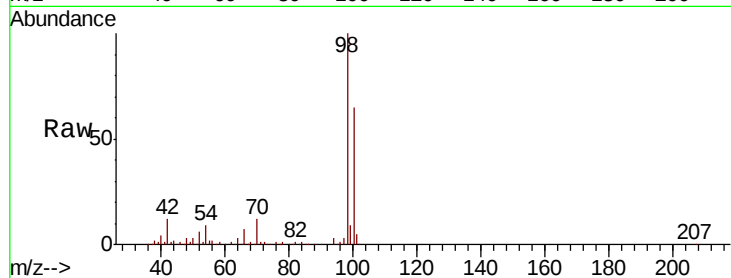
PB127661ZHE#03

Tot Ion: 98 Resp: 411823

Ion Ratio Lower Upper

98 100

100 64.6 51.8 77.8



#51

4-Methyl-2-Pentanone

Concen: 1.634 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VN060631.D

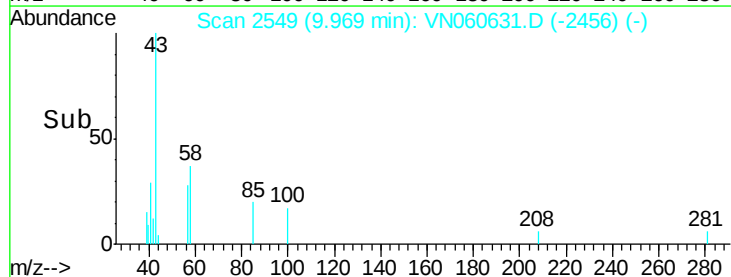
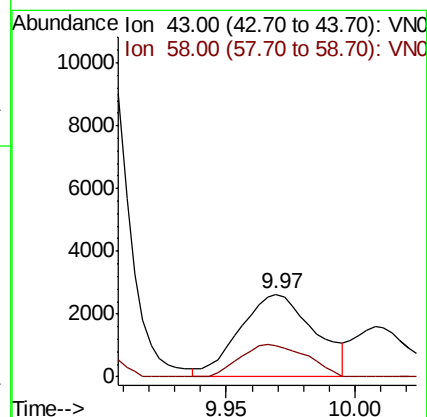
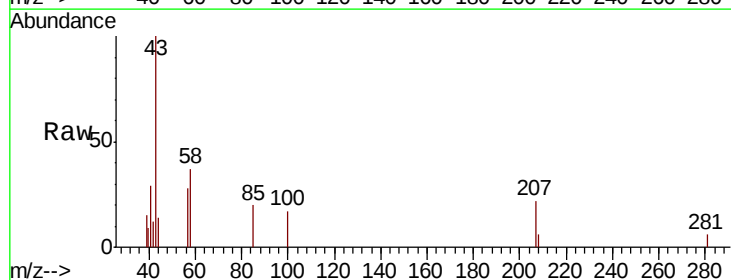
Acq: 19 Mar 2020 13:06

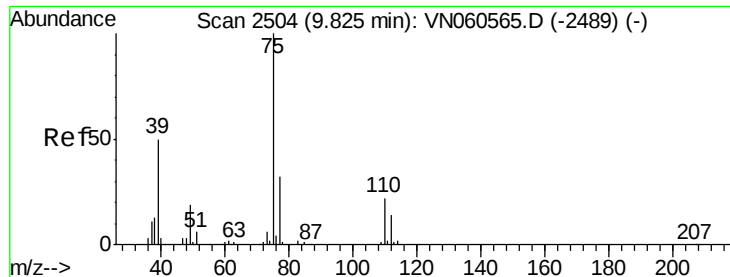
Tgt Ion: 43 Resp: 5352

Ion Ratio Lower Upper

43 100

58 34.9 30.8 46.2





#54

cis-1,3-Dichloropropene

Concen: 6.699 ug/l

RT: 9.89 min Scan# 2524

Delta R.T. 0.06 min

Lab File: VN060631.D

Acq: 19 Mar 2020 13:06

Instrument :

MSVOA_N

ClientSampleId :

PB127661ZHE#03

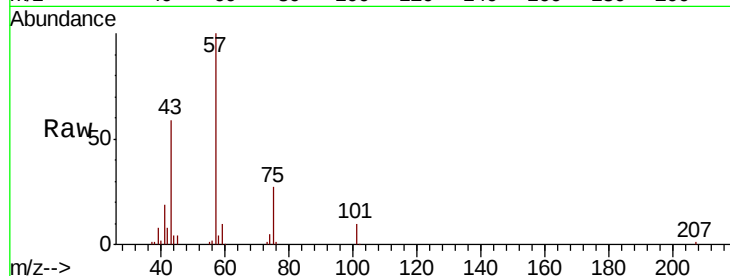
Tot Ion: 75 Resp: 27285

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#

39 28.7 40.2 60.4#



Abundance Ion 74.90 (74.60 to 75.60): VN060565.D (-2489) (-)

Ion 76.90 (76.60 to 77.60): VN060565.D (-2489) (-)

Ion 39.00 (38.70 to 39.70): VN060565.D (-2489) (-)

9.89

15000

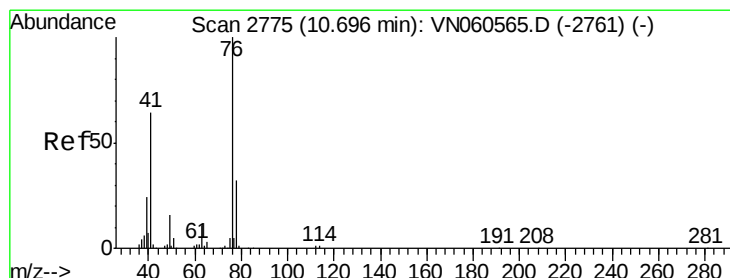
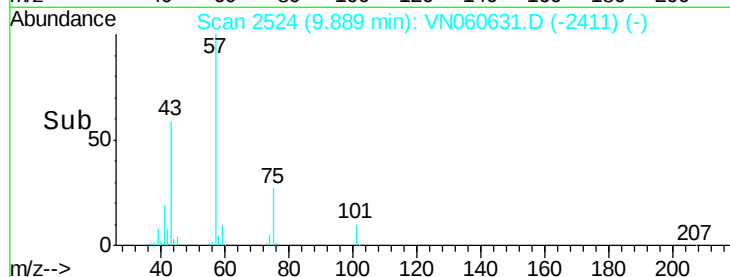
10000

5000

0

9.85 9.90 9.95

Time-->



#57

1,3-Dichloropropane

Concen: 1.179 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.06 min

Lab File: VN060631.D

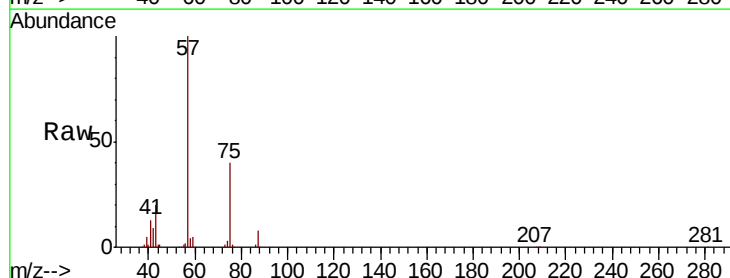
Acq: 19 Mar 2020 13:06

Tgt Ion: 76 Resp: 4635

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



Abundance Ion 75.90 (75.60 to 76.60): VN060565.D (-2761) (-)

Ion 77.90 (77.60 to 78.60): VN060565.D (-2761) (-)

10.75

3000

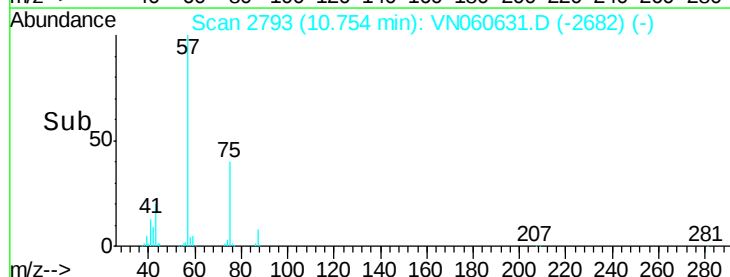
2000

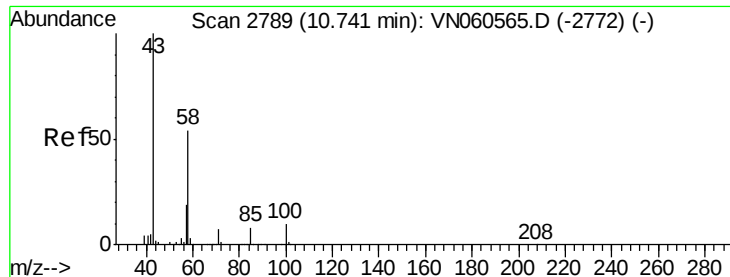
1000

0

10.70 10.75 10.80

Time-->

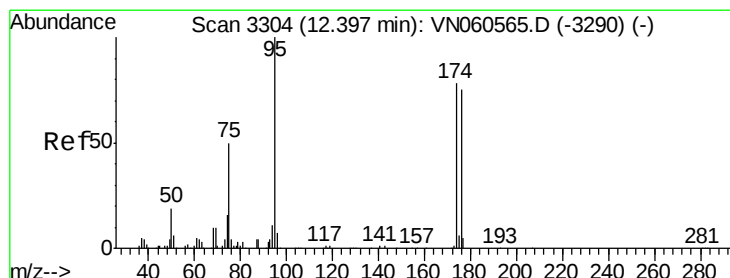
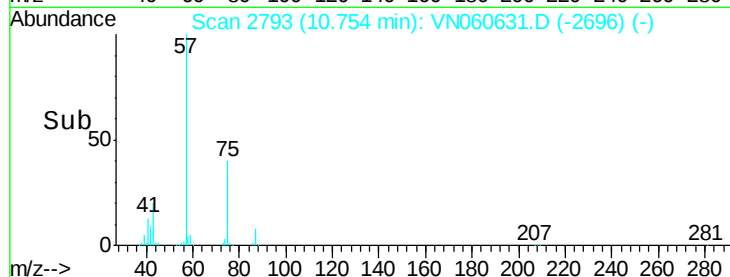
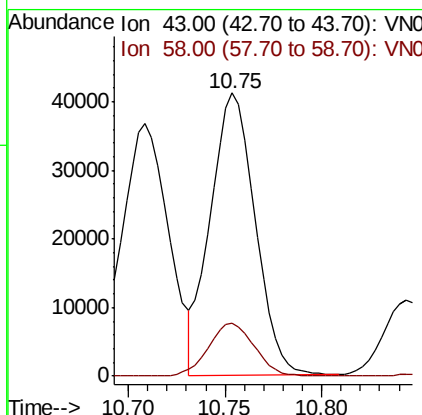
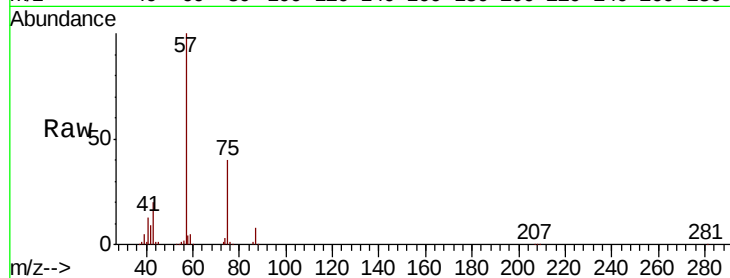




#59
2-Hexanone
Concen: 28.095 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.01 min
Lab File: VN060631.D
Acq: 19 Mar 2020 13:06

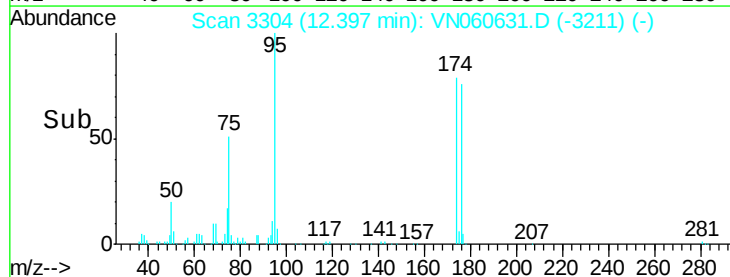
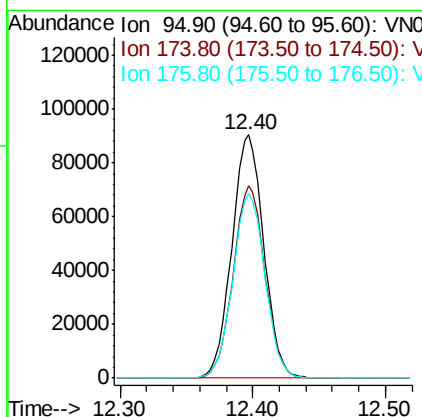
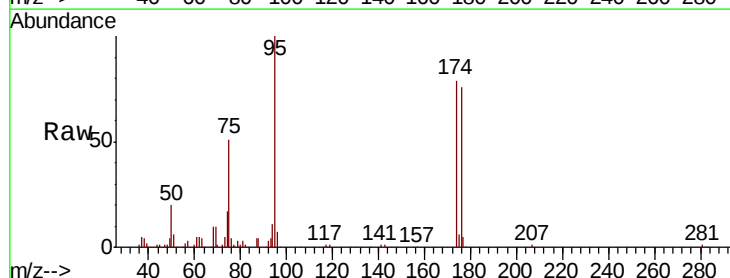
Instrument :
MSVOA_N
ClientSampleId :
PB127661ZHE#03

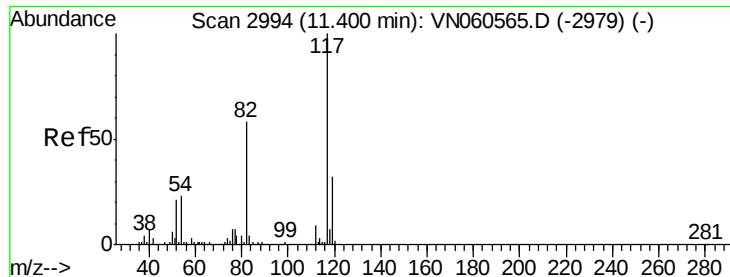
Tot Ion: 43 Resp: 66282
Ion Ratio Lower Upper
43 100
58 19.2 26.7 80.1#



#62
4-Bromofluorobenzene
Concen: 49.908 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.00 min
Lab File: VN060631.D
Acq: 19 Mar 2020 13:06

Tgt Ion: 95 Resp: 150679
Ion Ratio Lower Upper
95 100
174 78.8 0.0 157.6
176 76.2 0.0 150.6

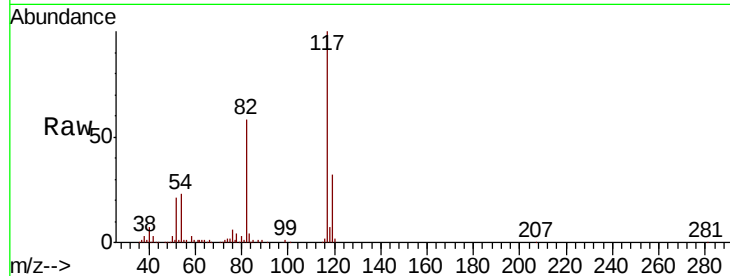




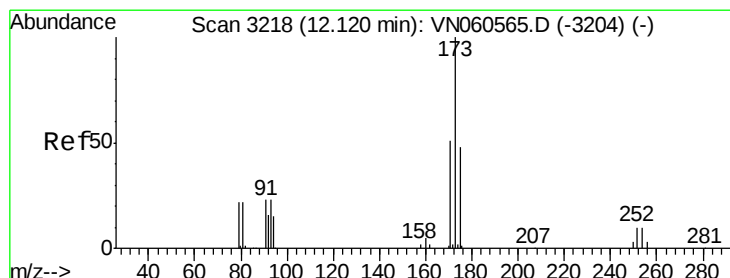
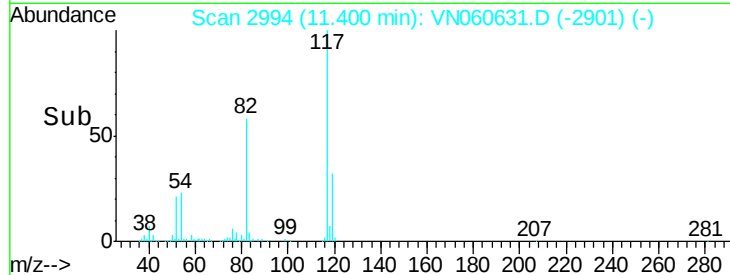
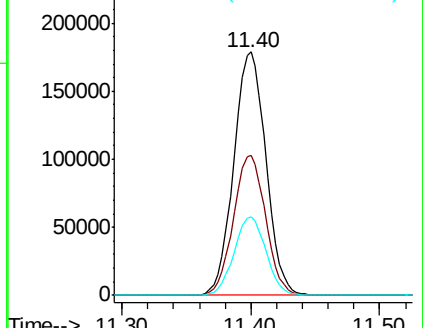
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060631.D
Acq: 19 Mar 2020 13:06

Instrument :
MSVOA_N
ClientSampleId :
PB127661ZHE#03

Tot Ion:117 Resp: 309980
Ion Ratio Lower Upper
117 100
82 57.7 46.7 70.1
119 32.3 25.5 38.3

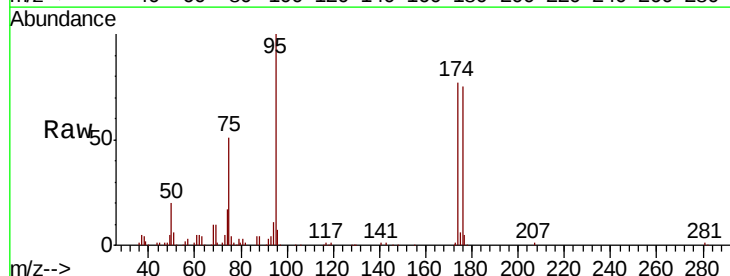


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

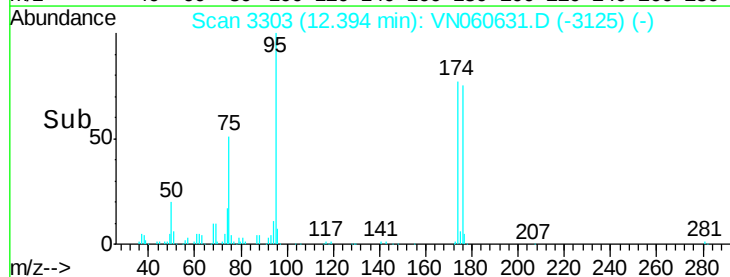
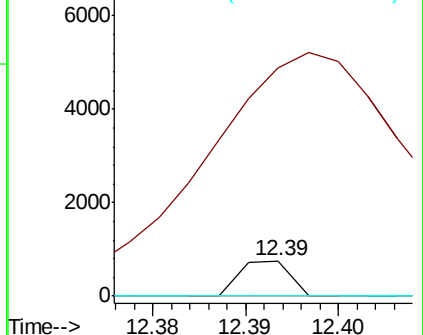


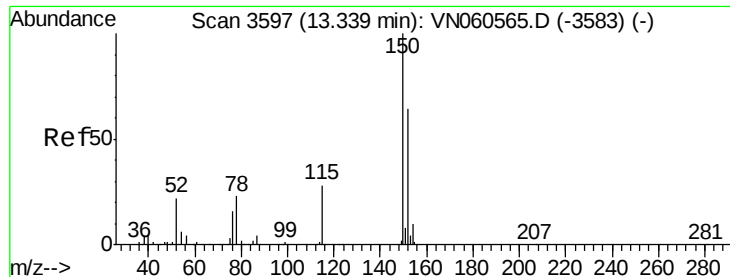
#71
Bromoform
Concen: 1.829 ug/l
RT: 12.39 min Scan# 3303
Delta R.T. 0.27 min
Lab File: VN060631.D
Acq: 19 Mar 2020 13:06

Tgt Ion:173 Resp: 284
Ion Ratio Lower Upper
173 100
175 2512.3 24.1 72.4#
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): 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: VN060631.D

Acq: 19 Mar 2020 13:06

Instrument :

MSVOA_N

ClientSampleId :

PB127661ZHE#03

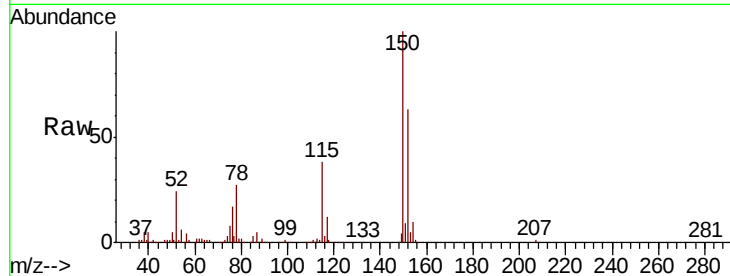
Tot Ion:152 Resp: 138476

Ion Ratio Lower Upper

152 100

115 60.0 30.2 90.6

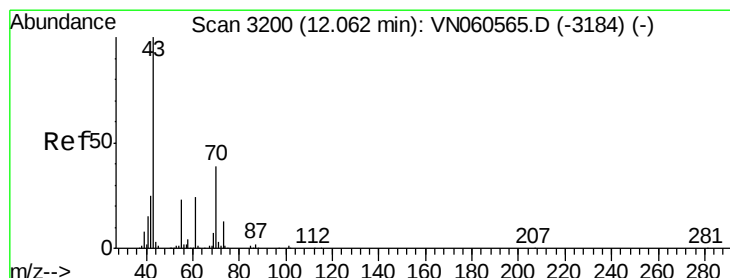
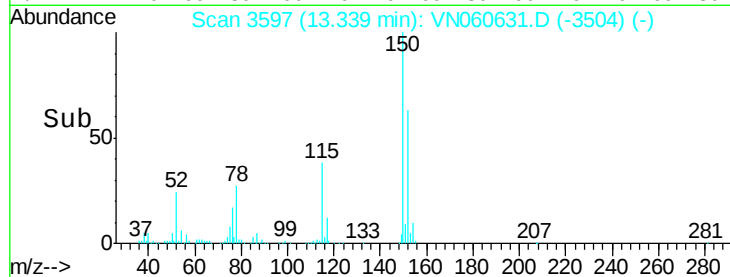
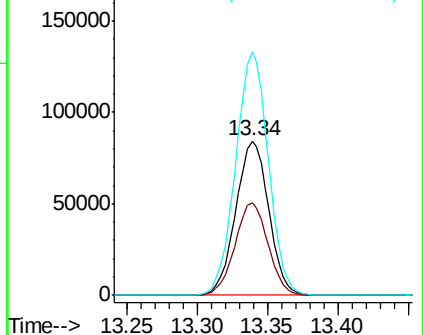
150 156.6 0.0 350.2



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-ethyl acetate

Concen: 0.534 ug/l

RT: 12.02 min Scan# 3188

Delta R.T. -0.04 min

Lab File: VN060631.D

Acq: 19 Mar 2020 13:06

Tgt Ion: 43 Resp: 2565

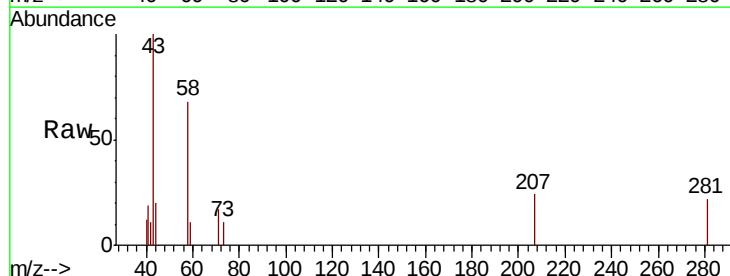
Ion Ratio Lower Upper

43 100

70 0.0 31.1 46.7#

55 0.0 18.6 27.8#

61 0.0 18.9 28.3#

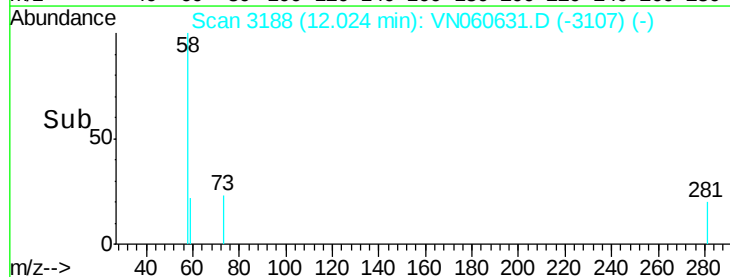
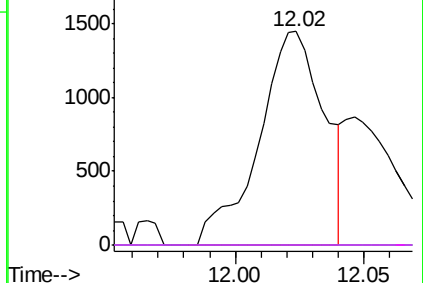


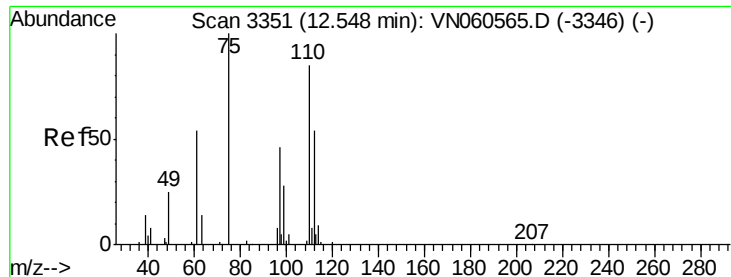
Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 25.602 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060631.D

Acq: 19 Mar 2020 13:06

Instrument :

MSVOA_N

ClientSampleId :

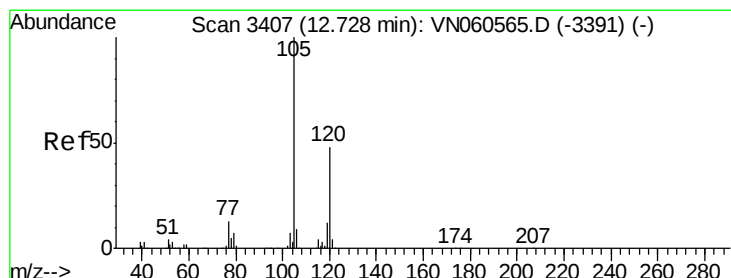
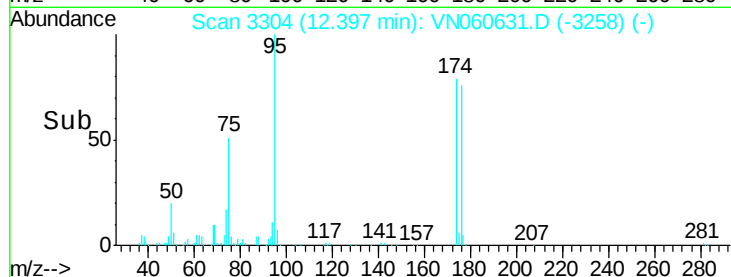
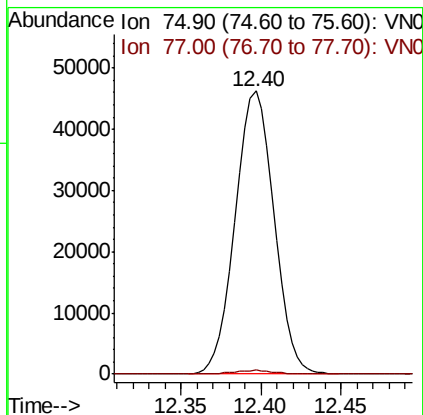
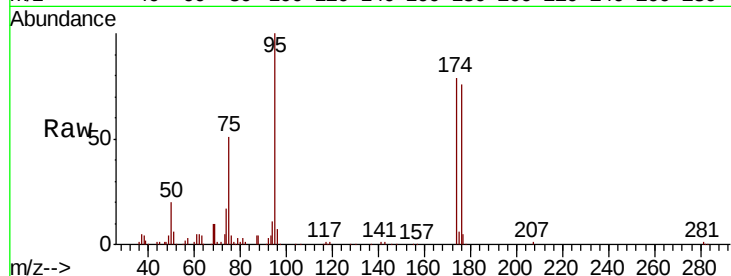
PB127661ZHE#03

Tot Ion: 75 Resp: 76499

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#80

1,3,5-Trimethylbenzene

Concen: 0.352 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN060631.D

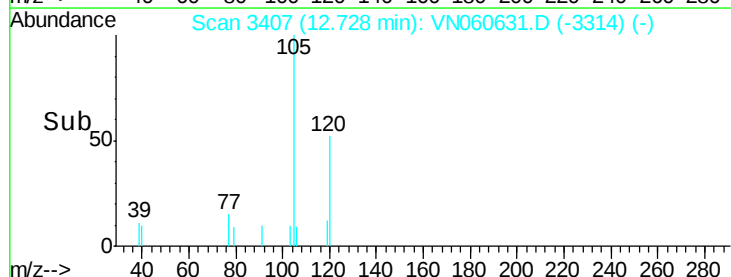
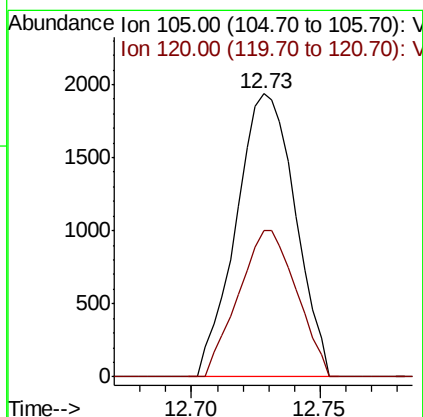
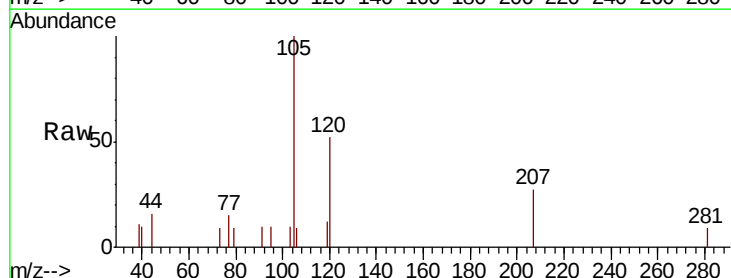
Acq: 19 Mar 2020 13:06

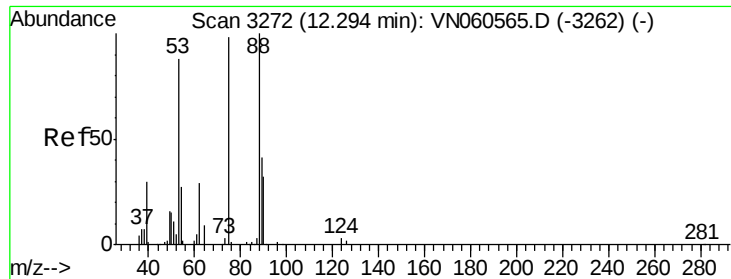
Tgt Ion: 105 Resp: 3106

Ion Ratio Lower Upper

105 100

120 50.6 23.9 71.7





#81

trans-1,4-Dichloro-2-butene

Concen: 65.753 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060631.D

Acq: 19 Mar 2020 13:06

Instrument :

MSVOA_N

ClientSampleId :

PB127661ZHE#03

Tot Ion: 75 Resp: 76499

Ion Ratio Lower Upper

75 100

53 0.0 73.0 109.4#

89 0.0 34.8 52.2#

