

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN073020\
 Data File : VN062665.D
 Acq On : 30 Jul 2020 12:40
 Operator : JC/MD
 Sample : PB130598ZHE#18
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB130598ZHE#18

Quant Time: Jul 31 04:07:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072120W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 18:48:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	139163	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	245794	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	251276	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	89087	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	121252	56.09	ug/l	0.00
Spiked Amount			Recovery	=	112.18%	
35) Dibromofluoromethane	7.55	113	85188	52.76	ug/l	0.00
Spiked Amount			Recovery	=	105.52%	
50) Toluene-d8	10.06	98	333216	51.73	ug/l	0.00
Spiked Amount			Recovery	=	103.46%	
62) 4-Bromofluorobenzene	12.38	95	117414	49.85	ug/l	0.00
Spiked Amount			Recovery	=	99.70%	

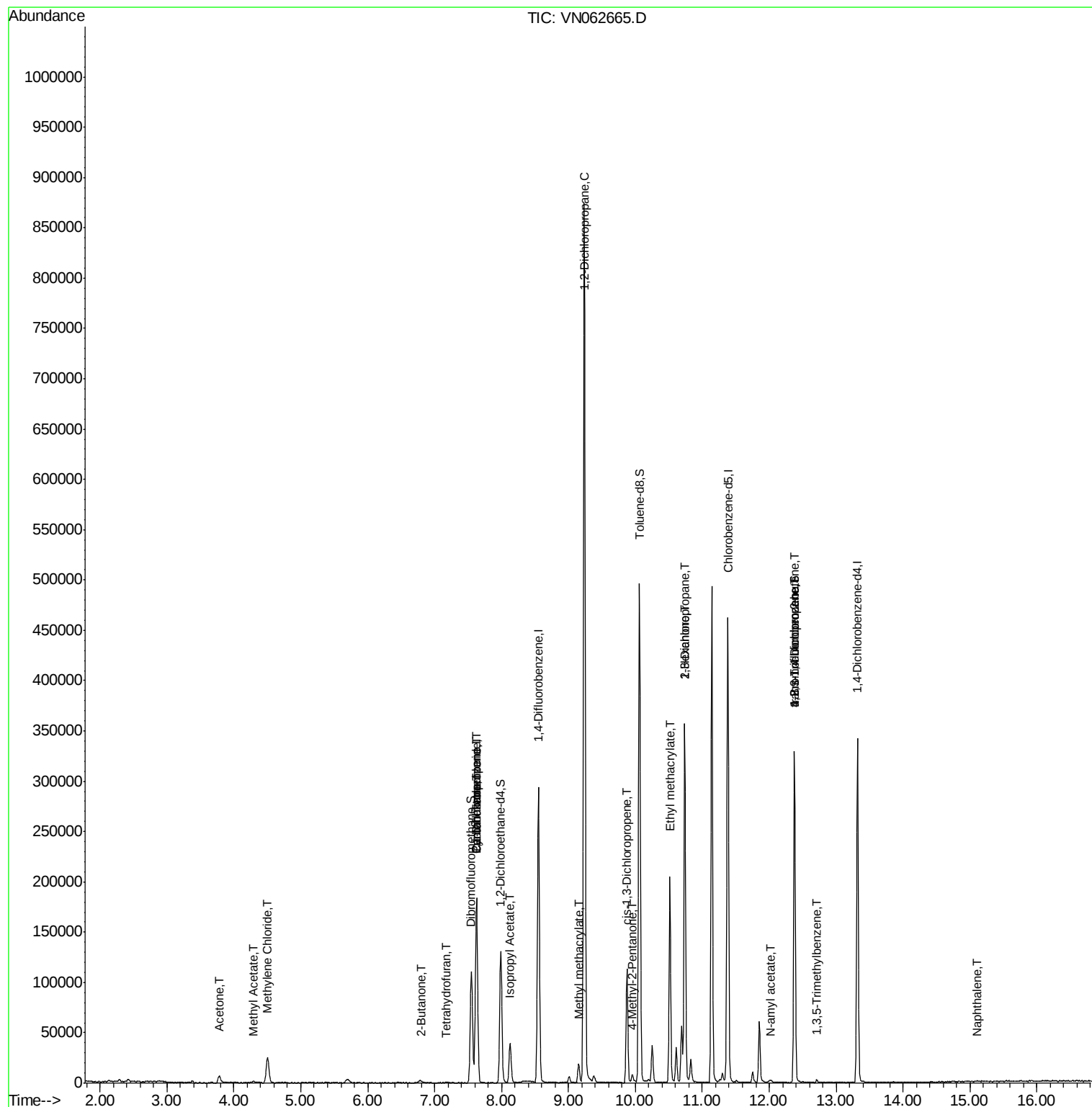
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	12771	15.699	ug/l	90
18) Methyl Acetate	4.29	43	3313	1.609	ug/l #	70
20) Methylene Chloride	4.50	84	17694	9.069	ug/l	98
25) 2-Butanone	6.81	43	2051	1.655	ug/l #	82
29) Tetrahydrofuran	7.17	42	276	0.329	ug/l #	38
31) Cyclohexane	7.62	56	3317	1.041	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	12539	4.786	ug/l #	51
38) Carbon Tetrachloride	7.63	117	14387	5.713	ug/l #	17
43) Isopropyl Acetate	8.13	43	47163	10.359	ug/l #	89
45) 1,2-Dichloropropane	9.24	63	1082	0.486	ug/l #	44
48) Methyl methacrylate	9.15	41	2873	1.328	ug/l #	15
51) 4-Methyl-2-Pentanone	9.95	43	5125	1.881	ug/l	93
54) cis-1,3-Dichloropropene	9.88	75	18573	5.576	ug/l #	67
56) Ethyl methacrylate	10.52	69	937	2.051	ug/l #	1
57) 1,3-Dichloropropane	10.73	76	3584	1.095	ug/l #	42
59) 2-Hexanone	10.74	43	53961	28.270	ug/l #	53
74) N-amyl acetate	12.01	43	1316	0.418	ug/l #	45
76) 1,2,3-Trichloropropane	12.38	75	64329	28.369	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.71	105	2022	0.346	ug/l	88
81) trans-1,4-Dichloro-2-buten	12.38	75	64329	78.973	ug/l #	12
95) Naphthalene	15.11	128	506	3.879	ug/l #	69

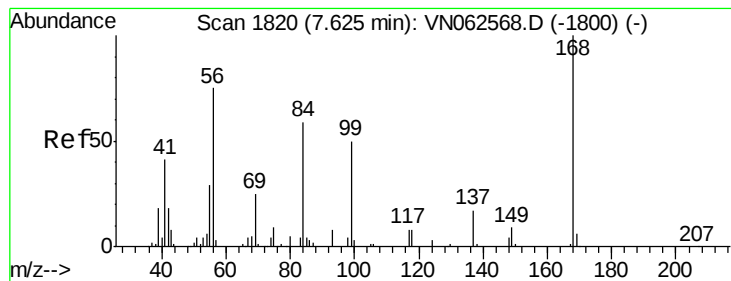
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jul 21 18:48:59 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN062665.D

Acq: 30 Jul 2020 12:40

Instrument :

MSVOA_N

ClientSampleId :

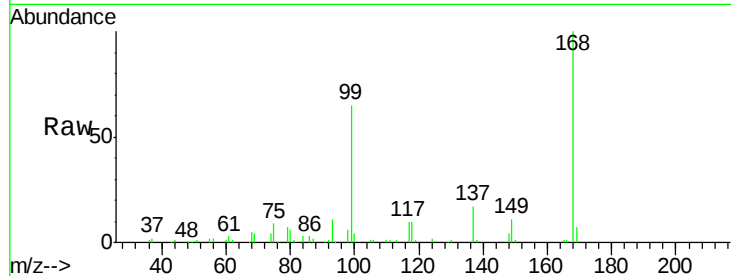
PB130598ZHE#18

Tot Ion:168 Resp: 139163

Ion Ratio Lower Upper

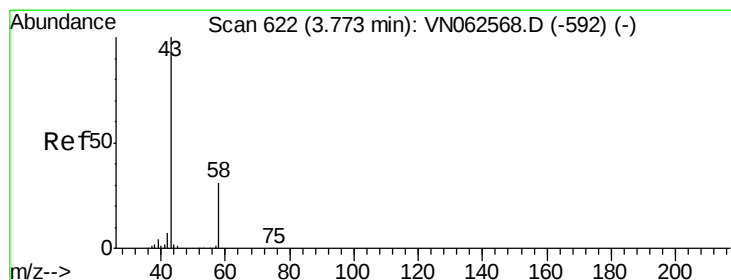
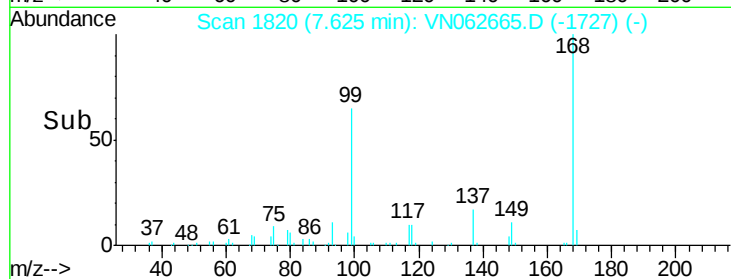
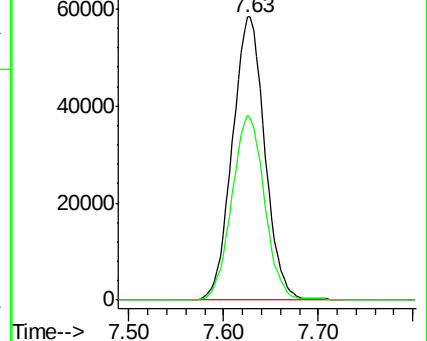
168 100

99 65.3 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#16

Acetone

Concen: 15.699 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.01 min

Lab File: VN062665.D

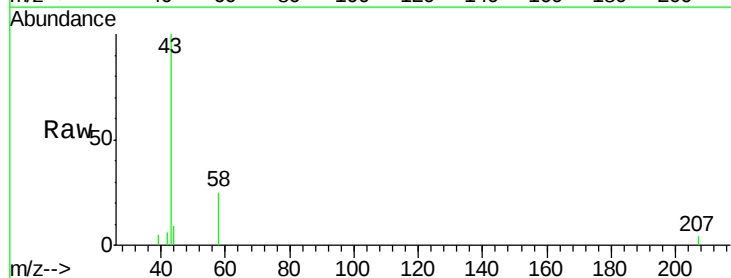
Acq: 30 Jul 2020 12:40

Tgt Ion: 43 Resp: 12771

Ion Ratio Lower Upper

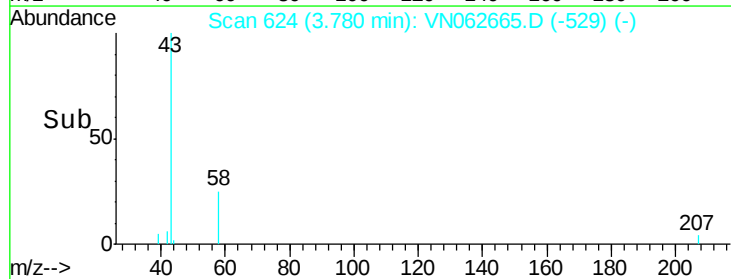
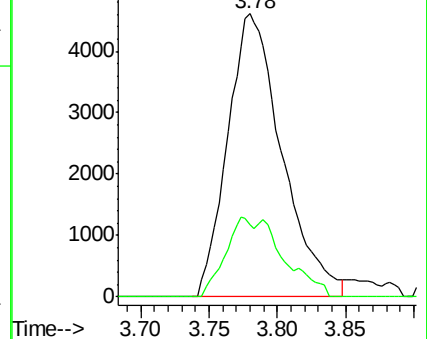
43 100

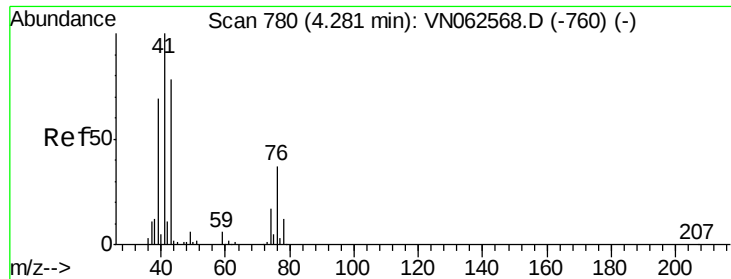
58 25.4 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

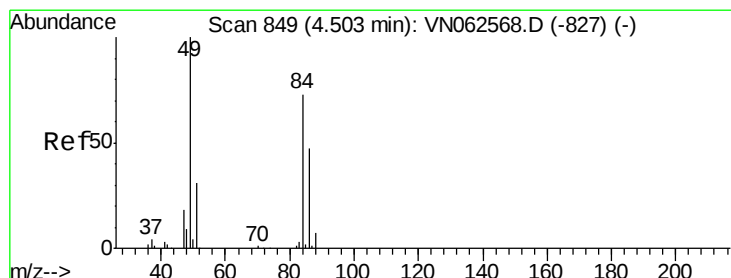
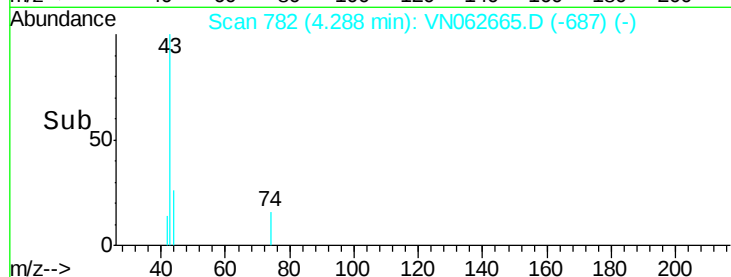
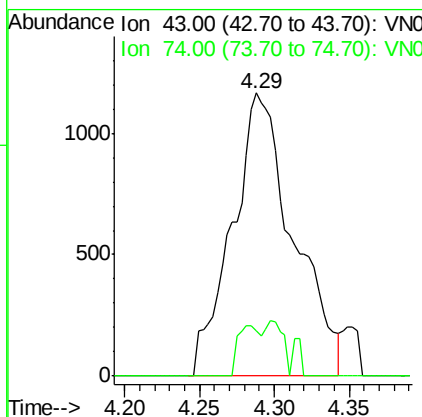
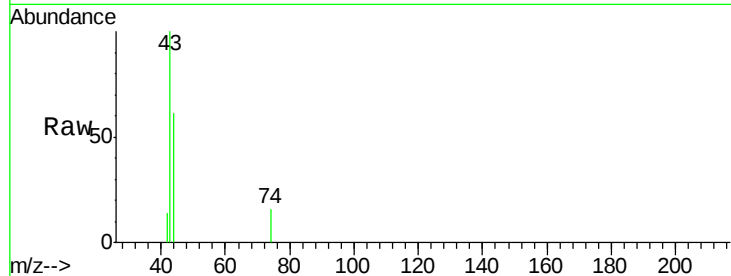




#18
Methyl Acetate
Concen: 1.609 ug/l
RT: 4.29 min Scan# 782
Delta R.T. 0.01 min
Lab File: VN062665.D
Acq: 30 Jul 2020 12:40

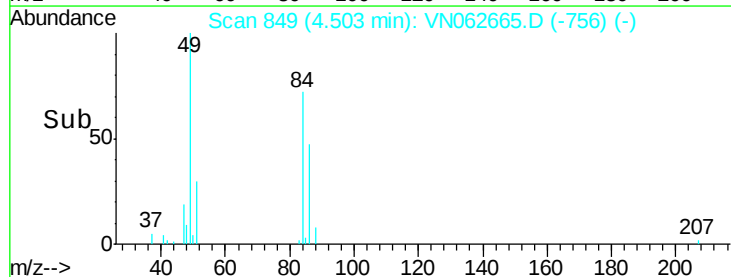
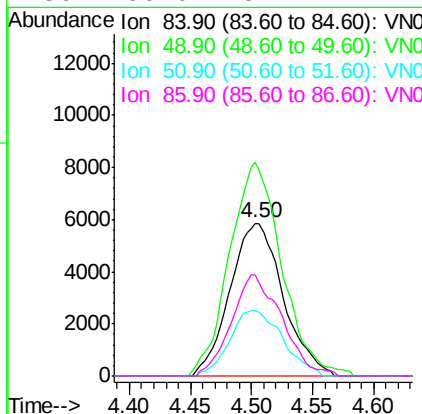
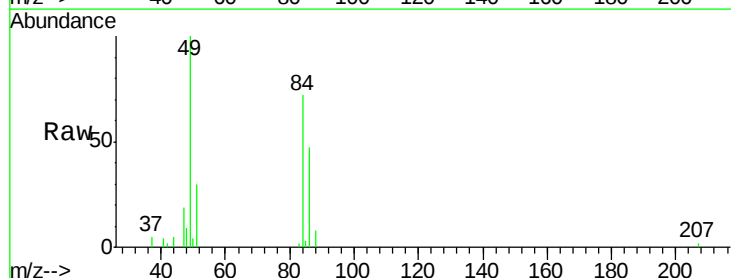
Instrument :
MSVOA_N
ClientSampleId :
PB130598ZHE#18

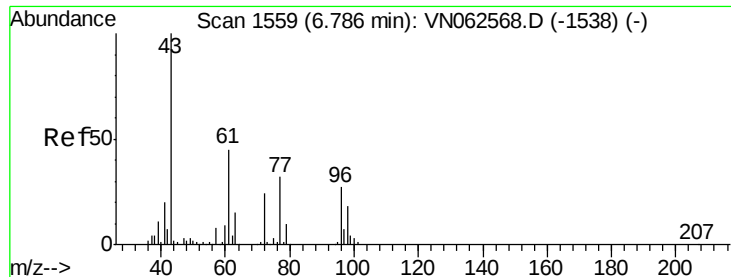
Tot Ion: 43 Resp: 3313
Ion Ratio Lower Upper
43 100
74 6.5 16.6 24.8#



#20
Methylene Chloride
Concen: 9.069 ug/l
RT: 4.50 min Scan# 849
Delta R.T. 0.00 min
Lab File: VN062665.D
Acq: 30 Jul 2020 12:40

Tgt Ion: 84 Resp: 17694
Ion Ratio Lower Upper
84 100
49 139.7 109.4 164.0
51 42.4 33.6 50.4
86 66.0 51.4 77.2





#25

2-Butanone

Concen: 1.655 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.02 min

Lab File: VN062665.D

Acq: 30 Jul 2020 12:40

Instrument :

MSVOA_N

ClientSampleId :

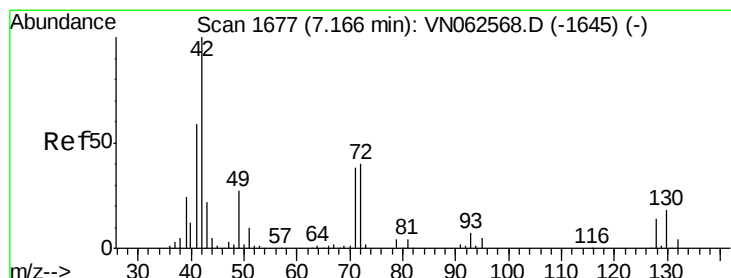
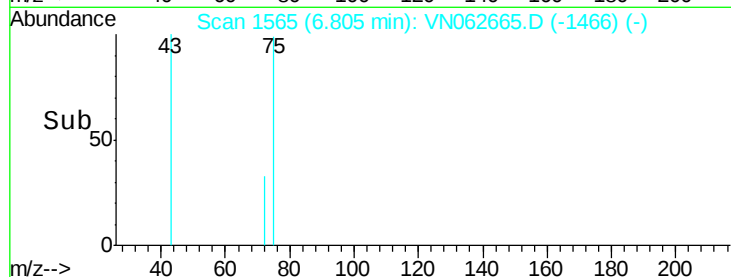
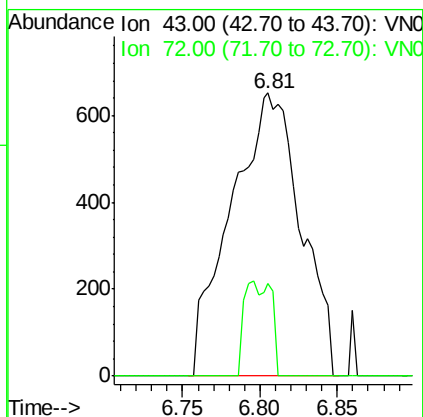
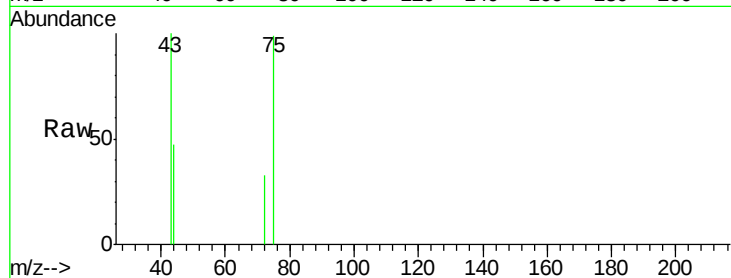
PB130598ZHE#18

Tot Ion: 43 Resp: 2051

Ion Ratio Lower Upper

43 100

72 32.8 19.0 28.6#



#29

Tetrahydrofuran

Concen: 0.329 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. 0.00 min

Lab File: VN062665.D

Acq: 30 Jul 2020 12:40

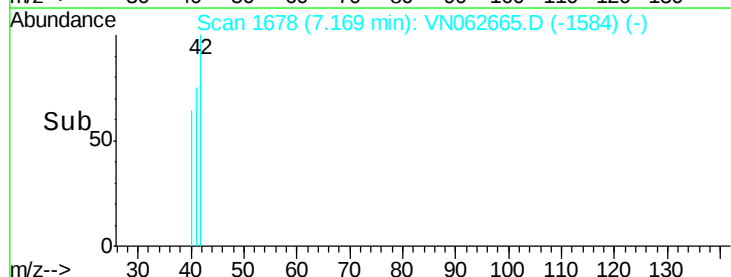
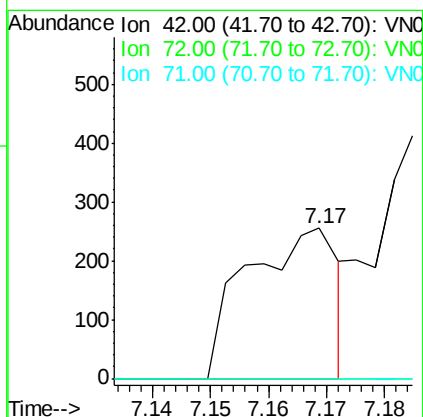
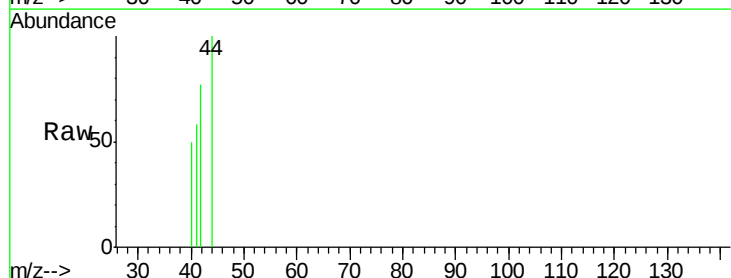
Tgt Ion: 42 Resp: 276

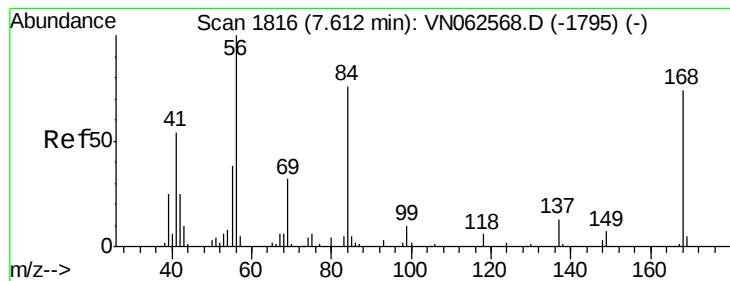
Ion Ratio Lower Upper

42 100

72 0.0 30.7 46.1#

71 0.0 29.1 43.7#





#31

Cyclohexane

Concen: 1.041 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VN062665.D

Acq: 30 Jul 2020 12:40

Instrument :

MSVOA_N

ClientSampleId :

PB130598ZHE#18

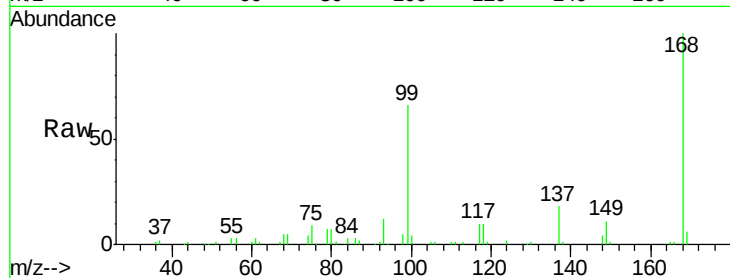
Tot Ion: 56 Resp: 3317

Ion Ratio Lower Upper

56 100

69 179.8 25.3 37.9#

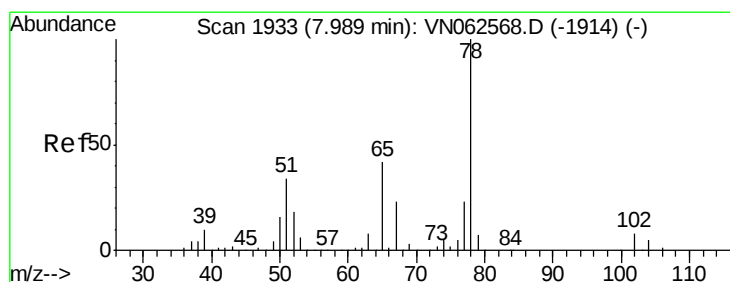
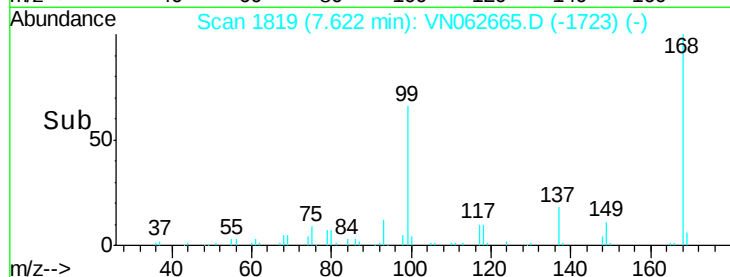
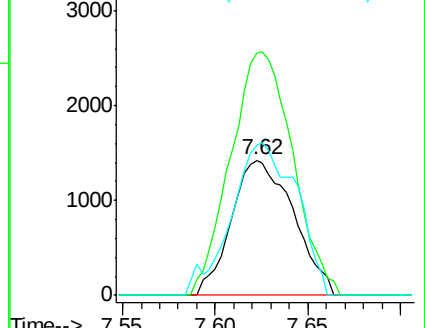
84 111.5 61.0 91.4#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 56.088 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. 0.00 min

Lab File: VN062665.D

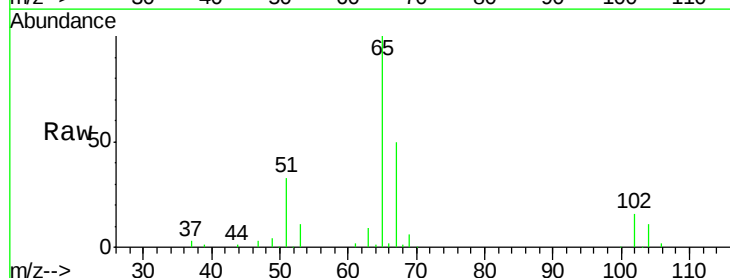
Acq: 30 Jul 2020 12:40

Tgt Ion: 65 Resp: 121252

Ion Ratio Lower Upper

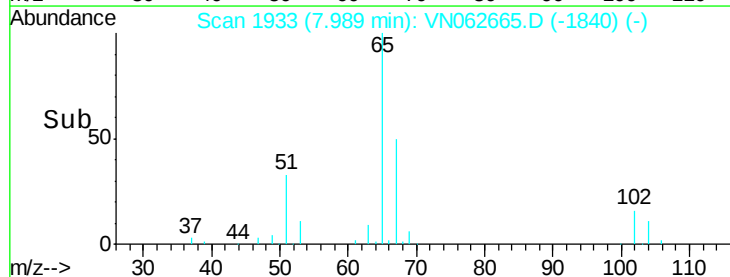
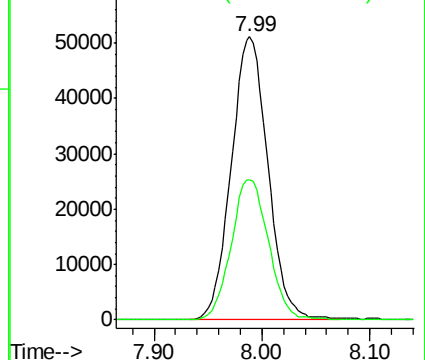
65 100

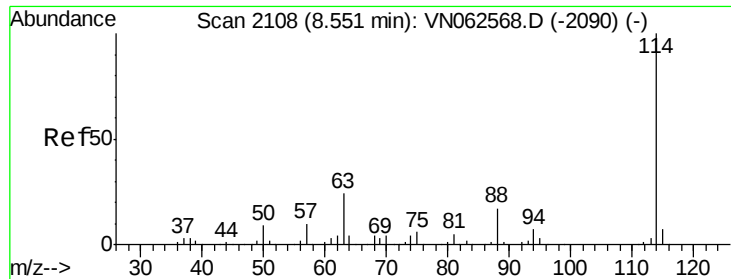
67 50.5 0.0 106.0



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

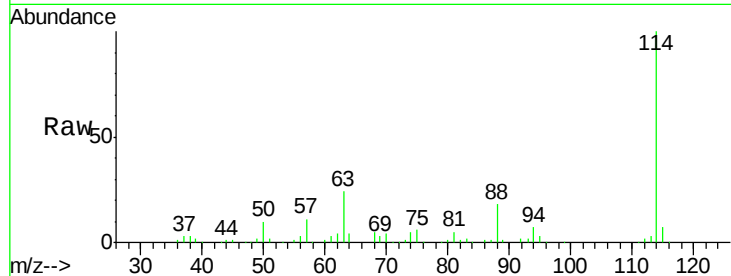




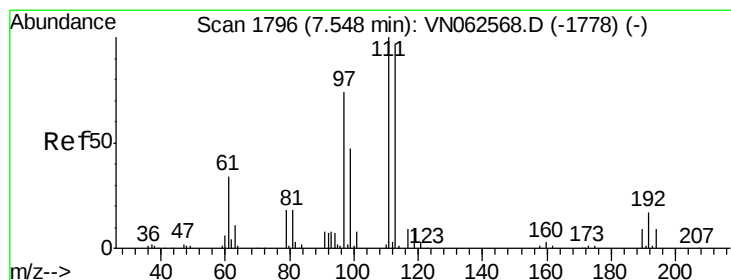
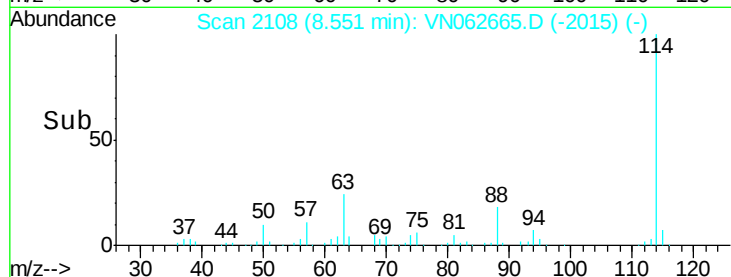
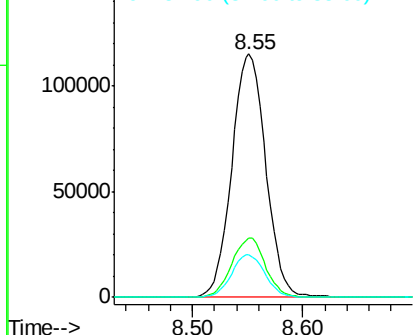
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2108
Delta R.T. 0.00 min
Lab File: VN062665.D
Acq: 30 Jul 2020 12:40

Instrument :
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PB130598ZHE#18

Tot Ion:114 Resp: 245794
Ion Ratio Lower Upper
114 100
63 24.4 0.0 48.4
88 17.5 0.0 33.8

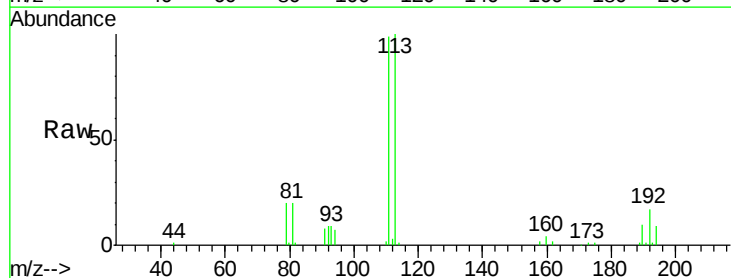


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

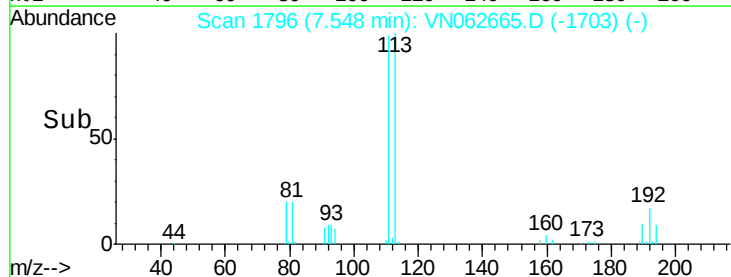
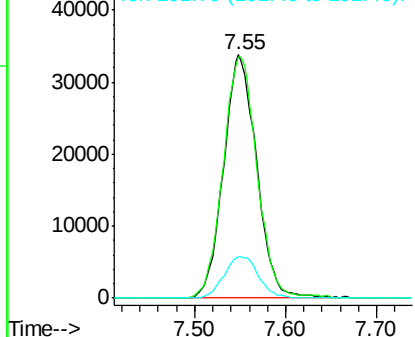


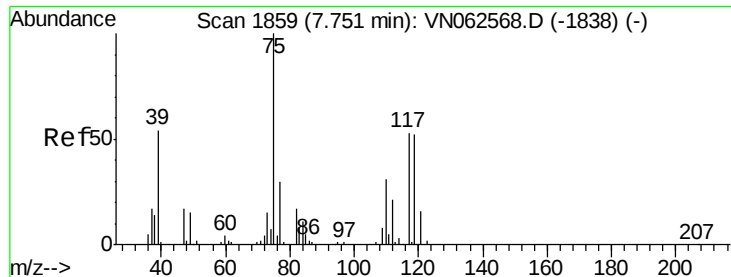
#35
Dibromofluoromethane
Concen: 52.764 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VN062665.D
Acq: 30 Jul 2020 12:40

Tgt Ion:113 Resp: 85188
Ion Ratio Lower Upper
113 100
111 101.3 82.7 124.1
192 17.7 14.8 22.2



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: 4.786 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. -0.12 min

Lab File: VN062665.D

Acq: 30 Jul 2020 12:40

Instrument :

MSVOA_N

ClientSampleId :

PB130598ZHE#18

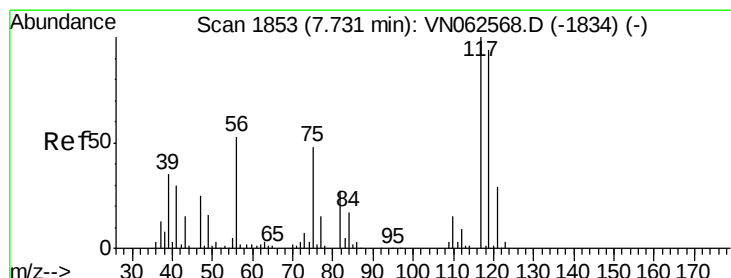
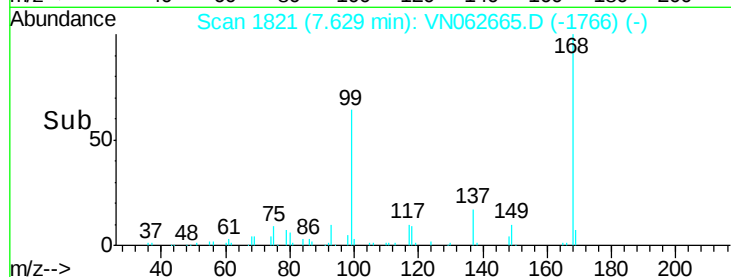
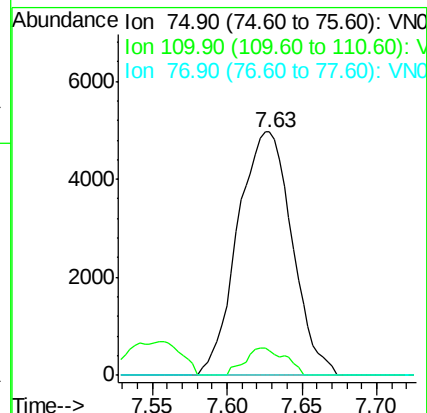
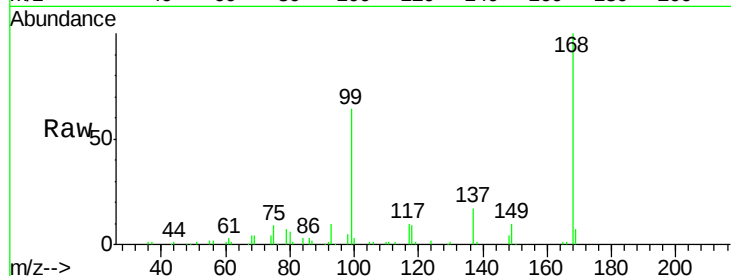
Tot Ion: 75 Resp: 12539

Ion Ratio Lower Upper

75 100

110 8.3 16.0 48.0#

77 0.0 24.6 36.8#



#38

Carbon Tetrachloride

Concen: 5.713 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. -0.10 min

Lab File: VN062665.D

Acq: 30 Jul 2020 12:40

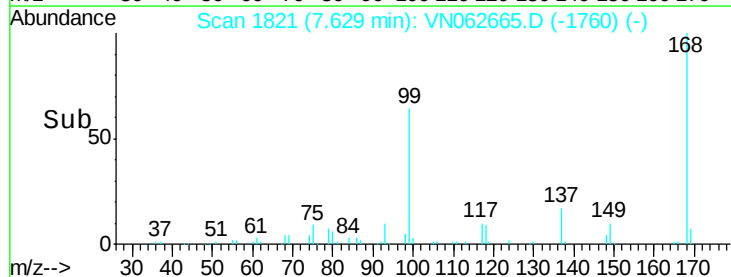
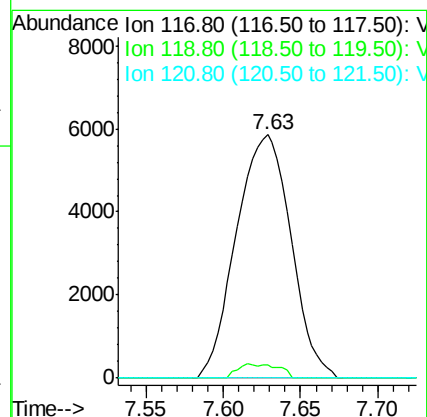
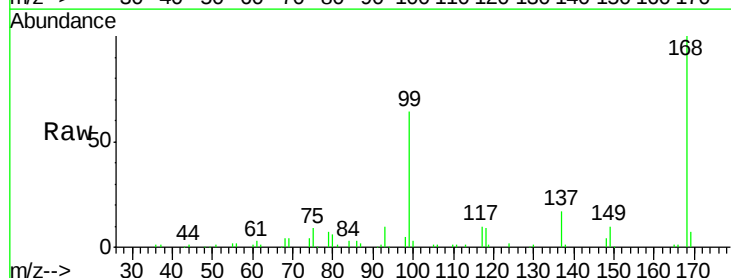
Tgt Ion: 117 Resp: 14387

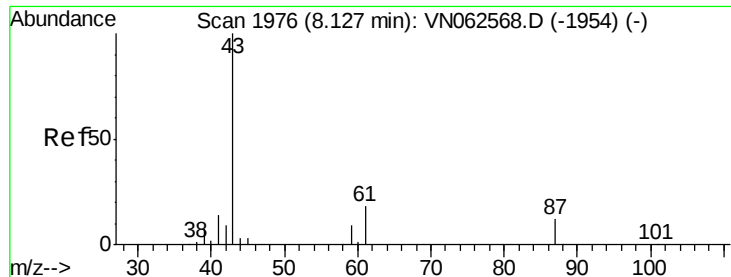
Ion Ratio Lower Upper

117 100

119 5.2 74.8 112.2#

121 0.0 23.0 34.6#





#43

Isopropyl Acetate

Concen: 10.359 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN062665.D

Acq: 30 Jul 2020 12:40

Instrument :

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ClientSampleId :

PB130598ZHE#18

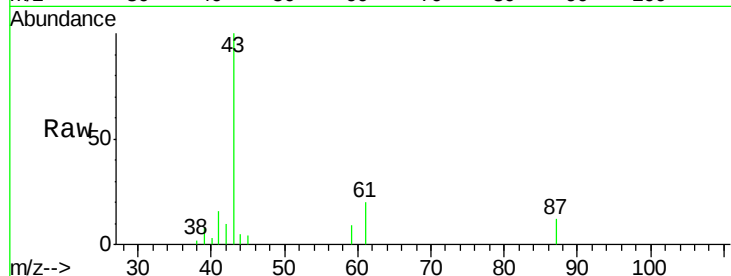
Tot Ion: 43 Resp: 47163

Ion Ratio Lower Upper

43 100

61 18.8 20.8 31.2#

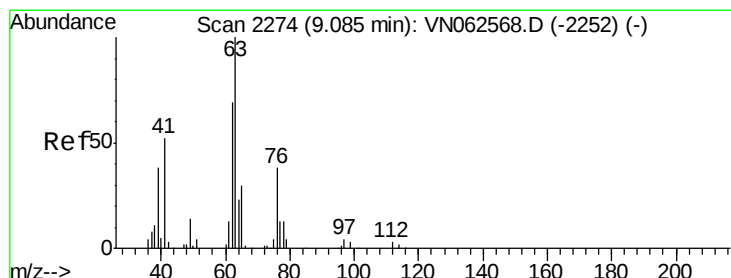
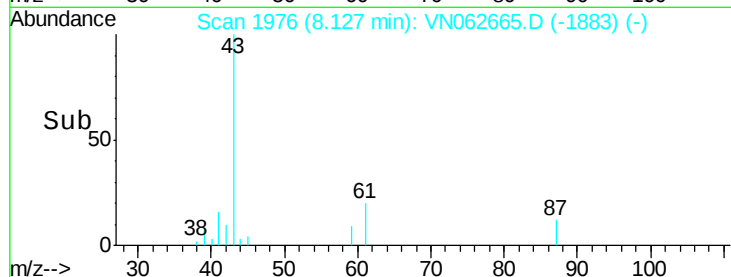
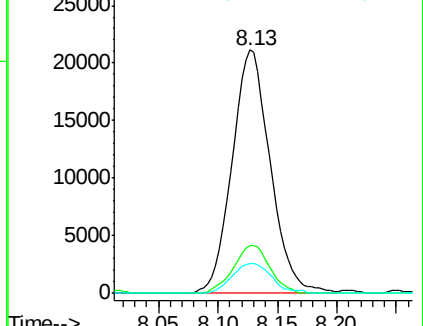
87 12.7 9.2 13.8



Abundance Ion 43.00 (42.70 to 43.70): VN062568.D (-1954) (-)

Ion 61.00 (60.70 to 61.70): VN062568.D (-1954) (-)

Ion 87.00 (86.70 to 87.70): VN062568.D (-1954) (-)



#45

1,2-Dichloropropane

Concen: 0.486 ug/l

RT: 9.24 min Scan# 2321

Delta R.T. 0.15 min

Lab File: VN062665.D

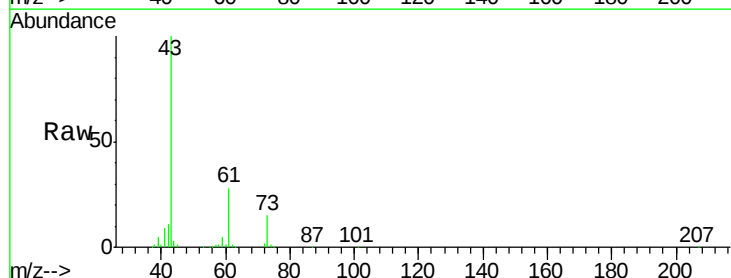
Acq: 30 Jul 2020 12:40

Tgt Ion: 63 Resp: 1082

Ion Ratio Lower Upper

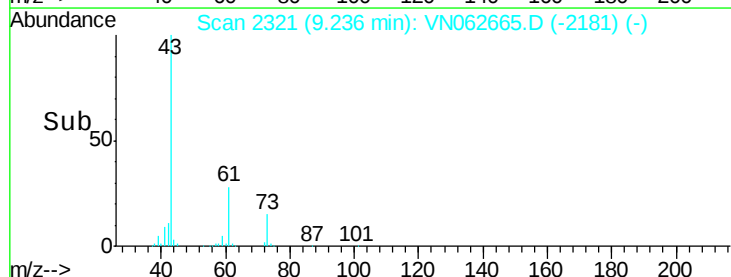
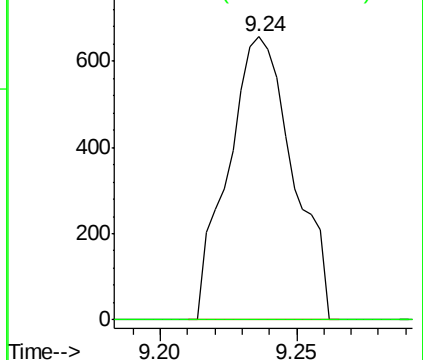
63 100

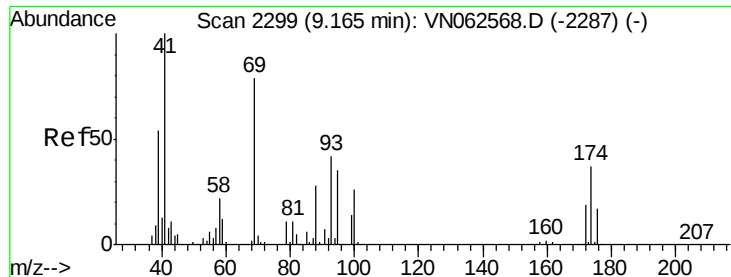
65 0.0 24.4 36.6#



Abundance Ion 62.90 (62.60 to 63.60): VN062568.D (-2252) (-)

Ion 64.90 (64.60 to 65.60): VN062568.D (-2252) (-)

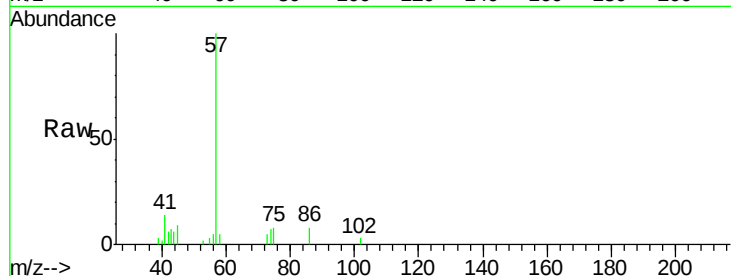




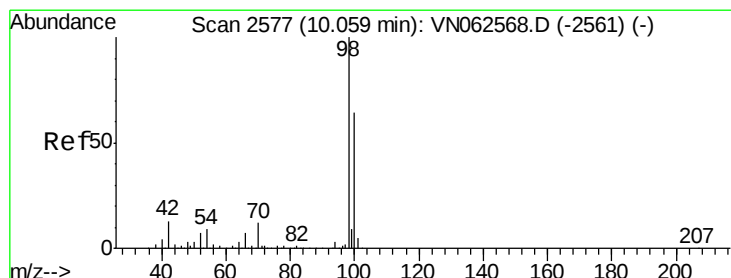
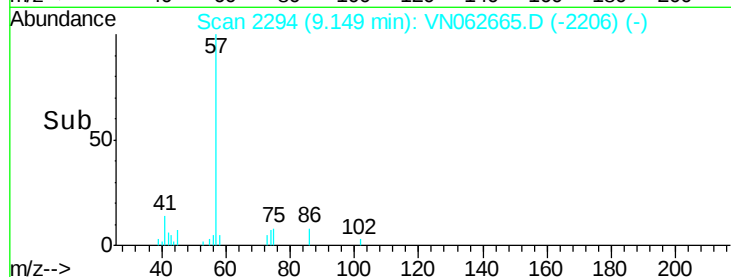
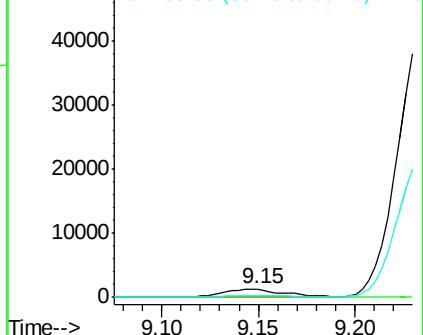
#48
Methyl methacrylate
Concen: 1.328 ug/l
RT: 9.15 min Scan# 2294
Delta R.T. -0.02 min
Lab File: VN062665.D
Acq: 30 Jul 2020 12:40

Instrument :
MSVOA_N
ClientSampleId :
PB130598ZHE#18

Tot Ion: 41 Resp: 2873
Ion Ratio Lower Upper
41 100
69 0.0 64.4 96.6#
39 0.0 43.5 65.3#

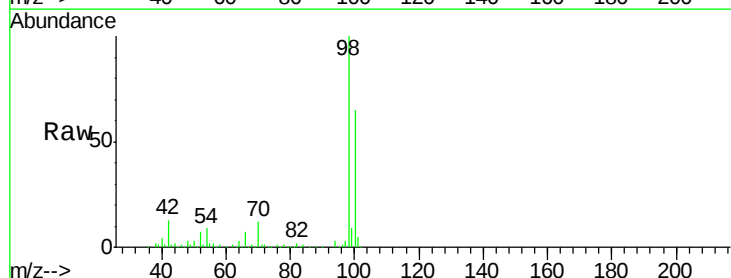


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

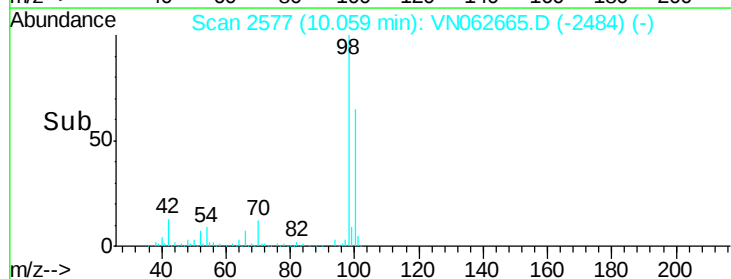
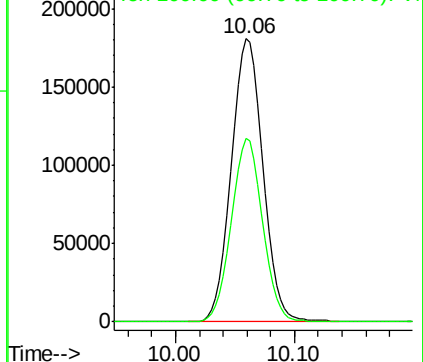


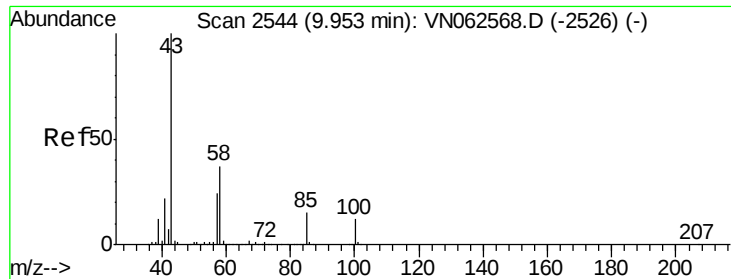
#50
Toluene-d8
Concen: 51.727 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN062665.D
Acq: 30 Jul 2020 12:40

Tgt Ion: 98 Resp: 333216
Ion Ratio Lower Upper
98 100
100 64.2 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 1.881 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. 0.00 min

Lab File: VN062665.D

Acq: 30 Jul 2020 12:40

Instrument :

MSVOA_N

ClientSampleId :

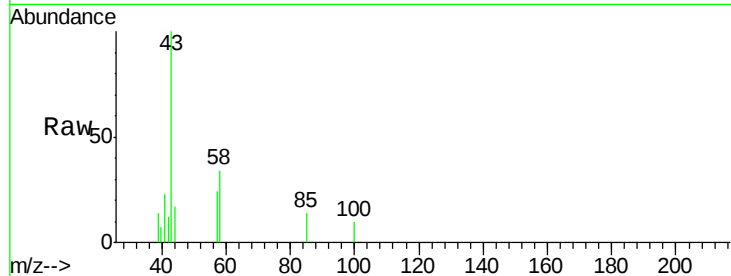
PB130598ZHE#18

Tot Ion: 43 Resp: 5125

Ion Ratio Lower Upper

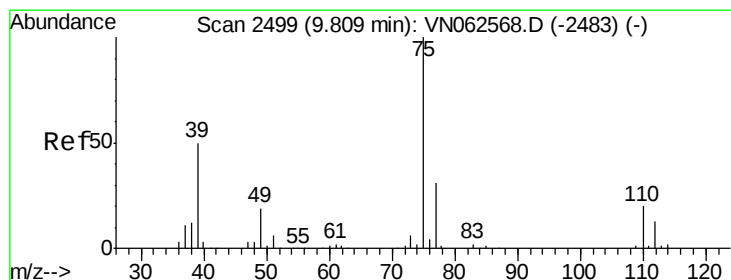
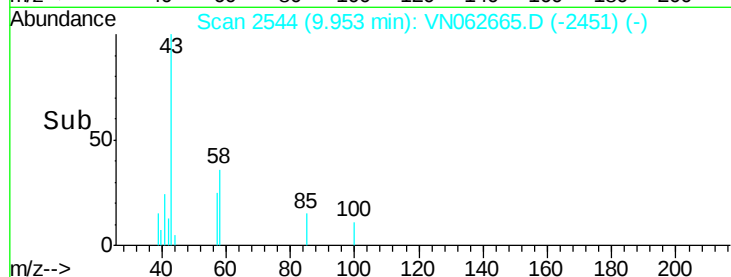
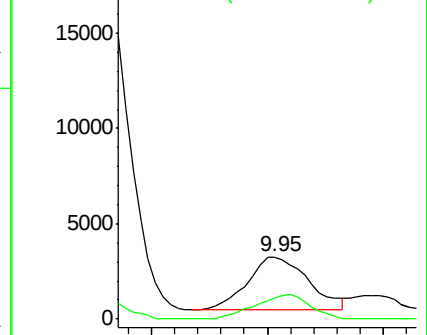
43 100

58 41.6 29.8 44.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#54

cis-1,3-Dichloropropene

Concen: 5.576 ug/l

RT: 9.88 min Scan# 2520

Delta R.T. 0.07 min

Lab File: VN062665.D

Acq: 30 Jul 2020 12:40

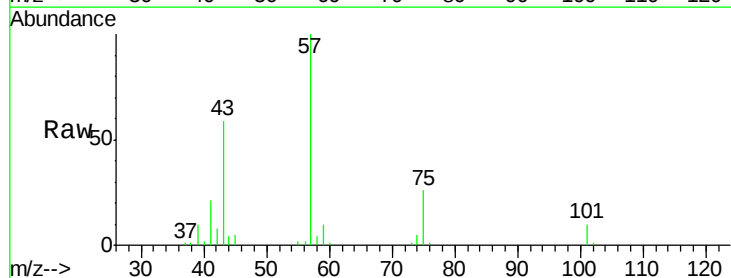
Tgt Ion: 75 Resp: 18573

Ion Ratio Lower Upper

75 100

77 0.0 25.0 37.6#

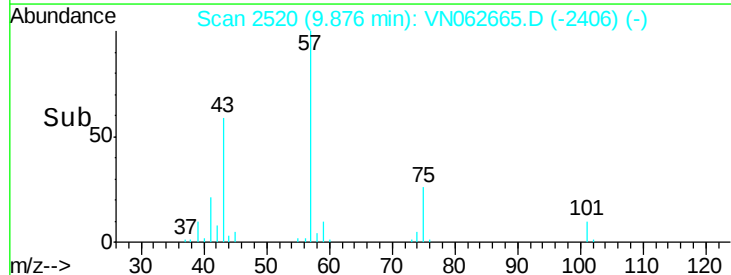
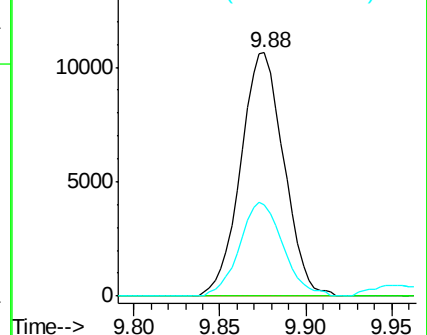
39 37.5 39.8 59.8#

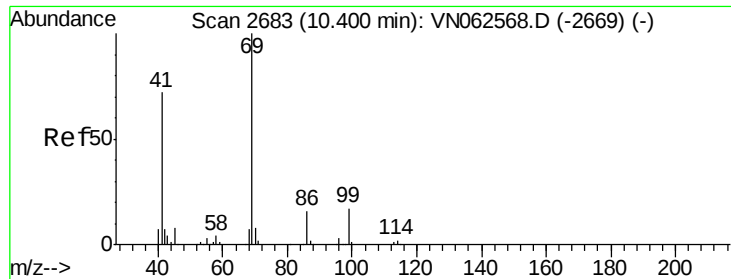


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#56

Ethyl methacrylate

Concen: 2.051 ug/l

RT: 10.52 min Scan# 2719

Delta R.T. 0.12 min

Lab File: VN062665.D

Acq: 30 Jul 2020 12:40

Instrument :

MSVOA_N

ClientSampleId :

PB130598ZHE#18

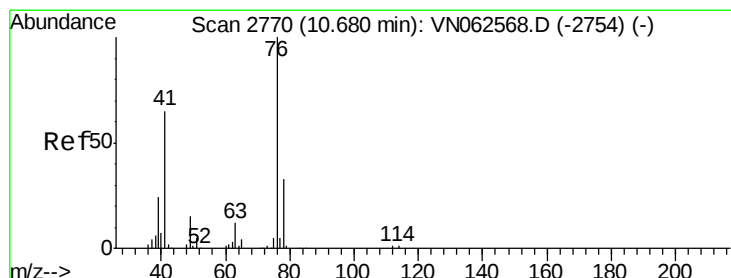
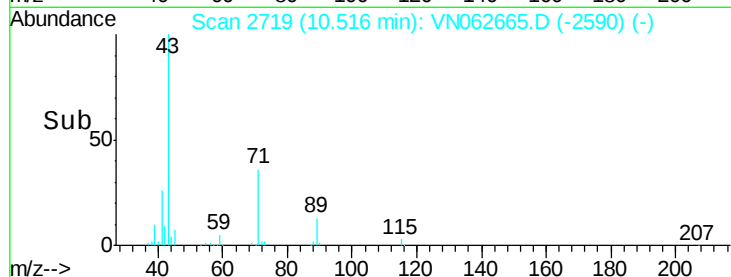
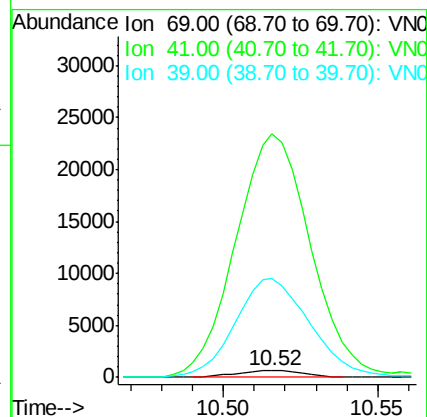
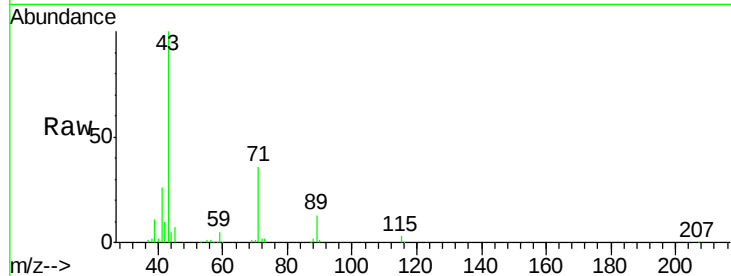
Tot Ion: 69 Resp: 937

Ion Ratio Lower Upper

69 100

41 4260.6 57.2 85.8#

39 1715.8 28.6 43.0#



#57

1,3-Dichloropropane

Concen: 1.095 ug/l

RT: 10.73 min Scan# 2787

Delta R.T. 0.05 min

Lab File: VN062665.D

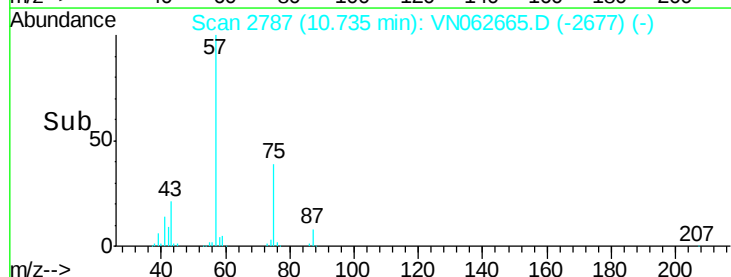
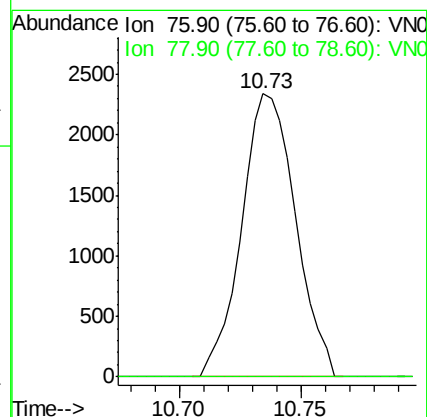
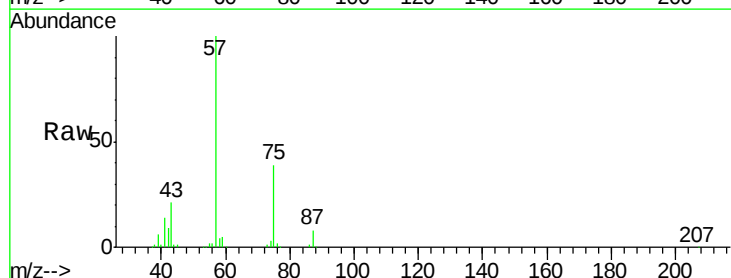
Acq: 30 Jul 2020 12:40

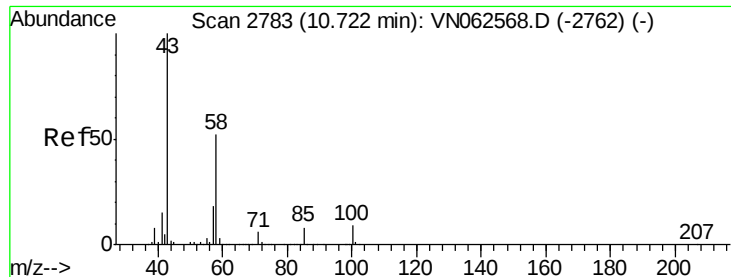
Tgt Ion: 76 Resp: 3584

Ion Ratio Lower Upper

76 100

78 0.0 26.3 39.5#

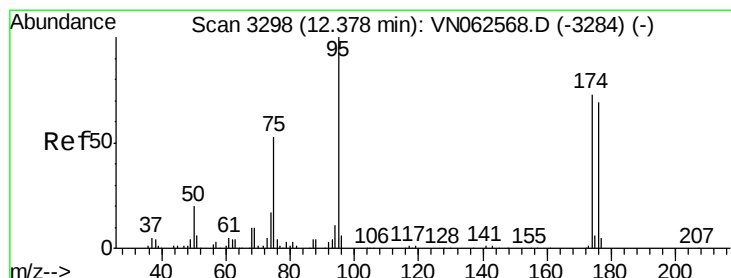
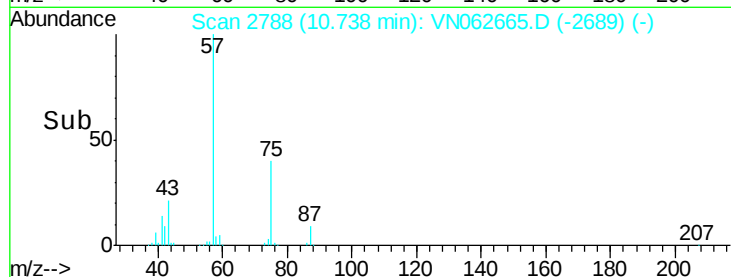
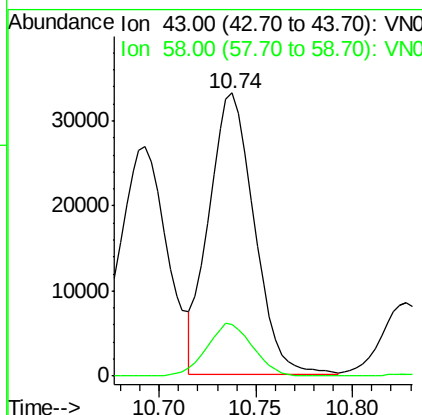
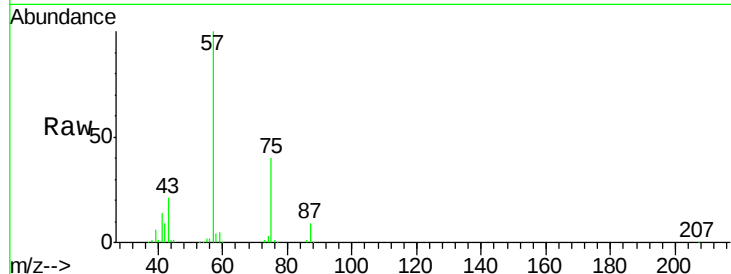




#59
2-Hexanone
Concen: 28.270 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. 0.02 min
Lab File: VN062665.D
Acq: 30 Jul 2020 12:40

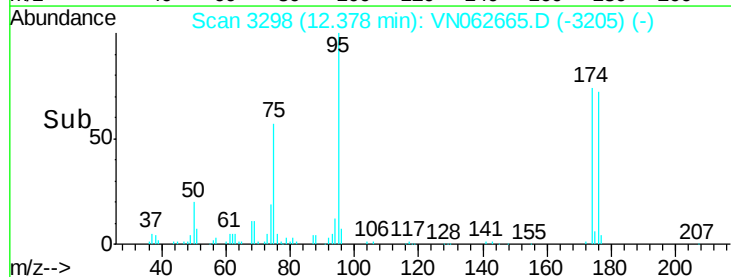
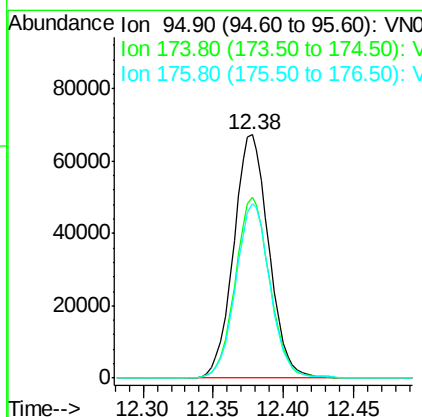
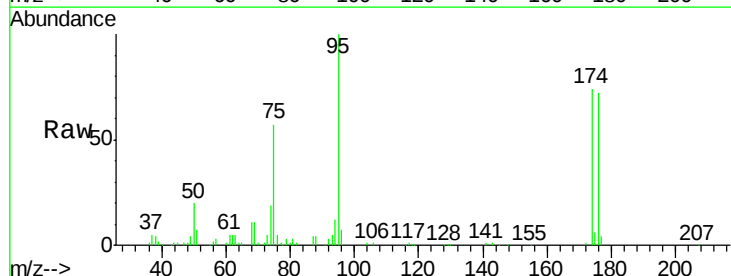
Instrument :
MSVOA_N
ClientSampleId :
PB130598ZHE#18

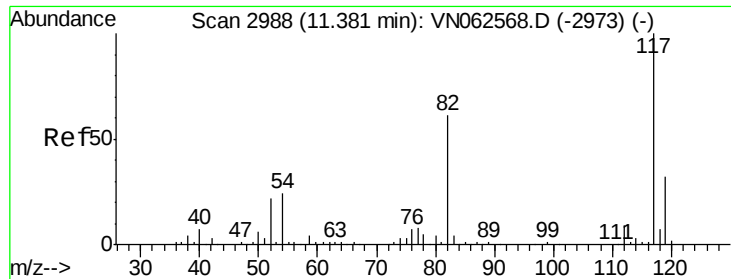
Tot Ion: 43 Resp: 53961
Ion Ratio Lower Upper
43 100
58 19.0 26.0 78.0#



#62
4-Bromofluorobenzene
Concen: 49.849 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.00 min
Lab File: VN062665.D
Acq: 30 Jul 2020 12:40

Tgt Ion: 95 Resp: 117414
Ion Ratio Lower Upper
95 100
174 72.9 0.0 144.6
176 69.9 0.0 139.4

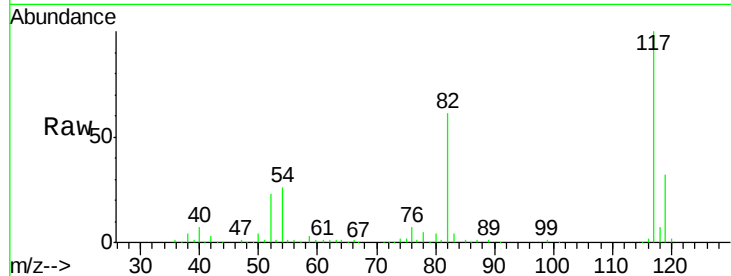




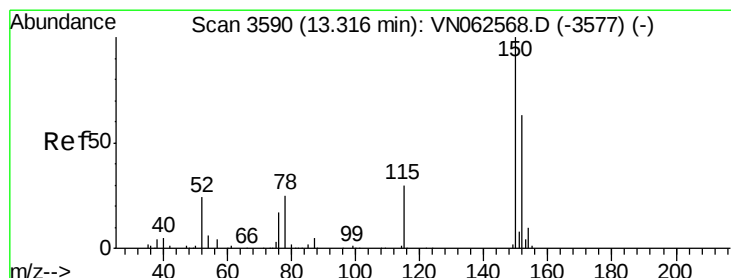
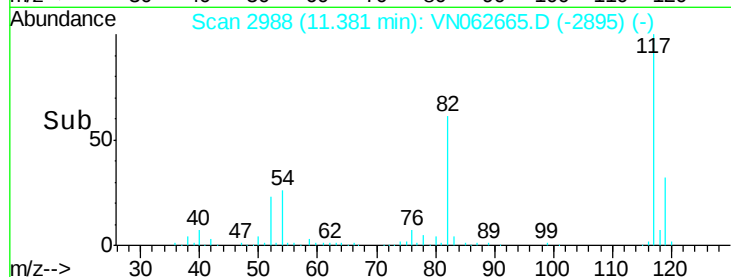
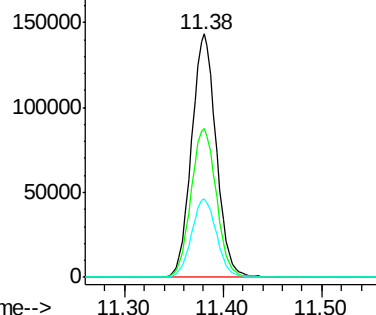
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN062665.D
Acq: 30 Jul 2020 12:40

Instrument :
MSVOA_N
ClientSampleId :
PB130598ZHE#18

Tot Ion:117 Resp: 251276
Ion Ratio Lower Upper
117 100
82 61.2 49.0 73.6
119 32.3 25.4 38.2

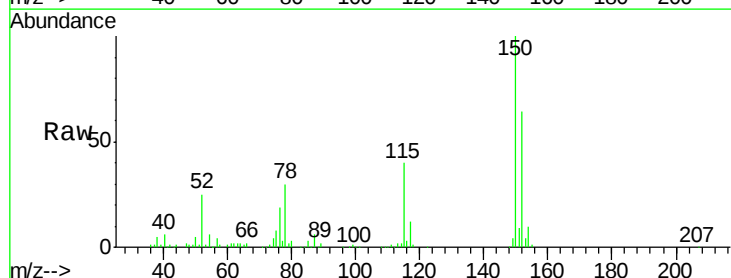


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

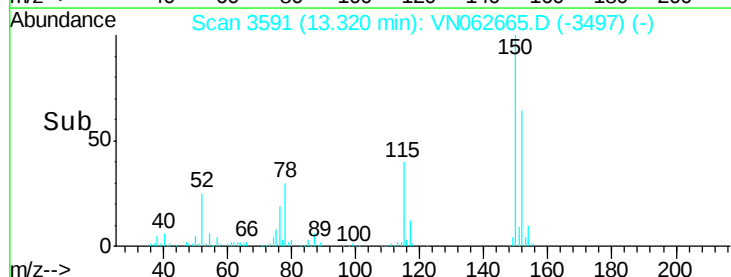
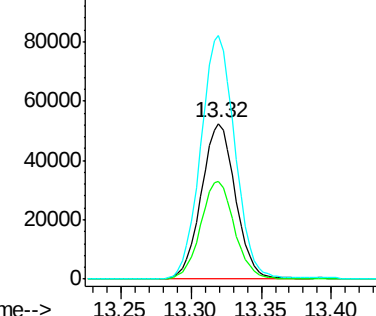


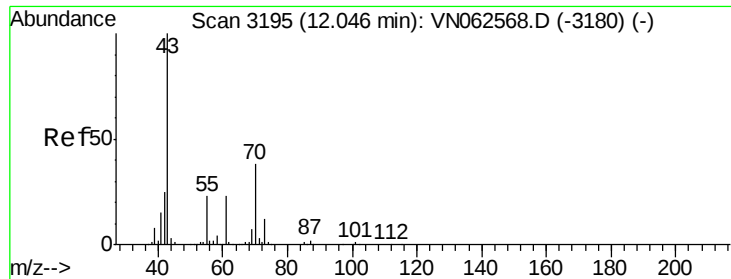
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3591
Delta R.T. 0.00 min
Lab File: VN062665.D
Acq: 30 Jul 2020 12:40

Tgt Ion:152 Resp: 89087
Ion Ratio Lower Upper
152 100
115 62.2 31.8 95.4
150 156.9 0.0 351.4



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: 0.418 ug/l

RT: 12.01 min Scan# 3184

Delta R.T. -0.04 min

Lab File: VN062665.D

Acq: 30 Jul 2020 12:40

Instrument :

MSVOA_N

ClientSampleId :

PB130598ZHE#18

Tot Ion: 43 Resp: 1316

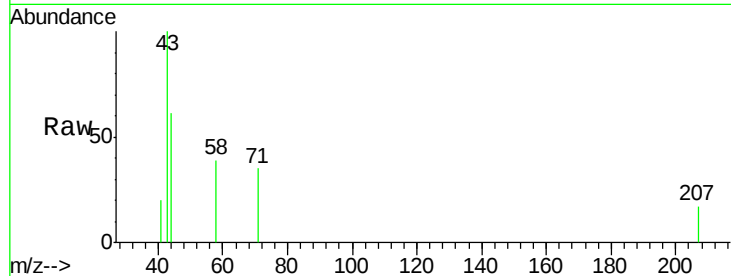
Ion Ratio Lower Upper

43 100

70 0.0 30.5 45.7#

55 0.0 19.0 28.6#

61 0.0 18.4 27.6#

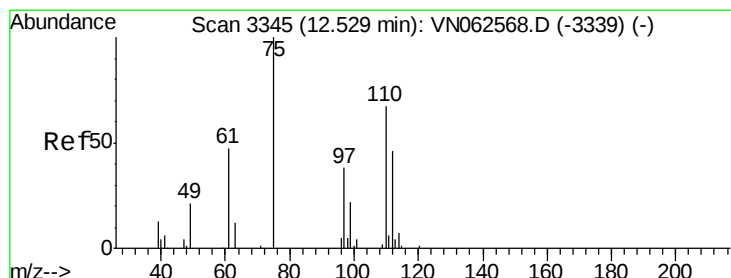
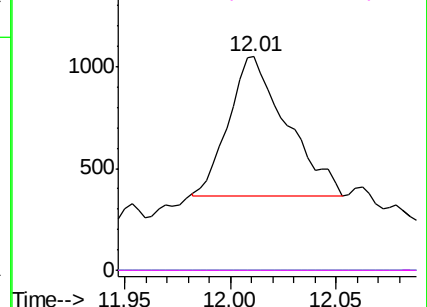
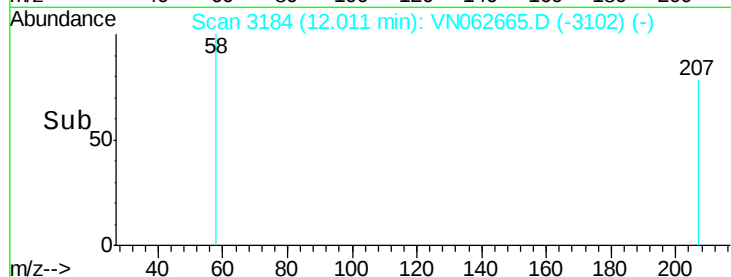


Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 28.369 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062665.D

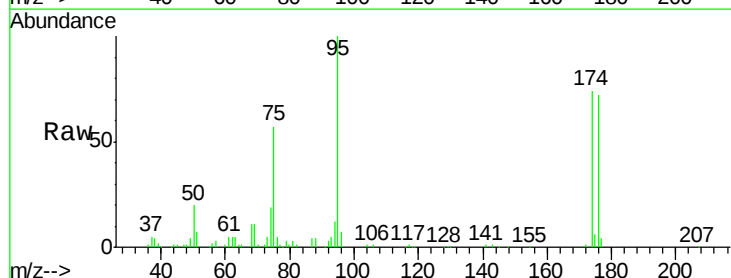
Acq: 30 Jul 2020 12:40

Tgt Ion: 75 Resp: 64329

Ion Ratio Lower Upper

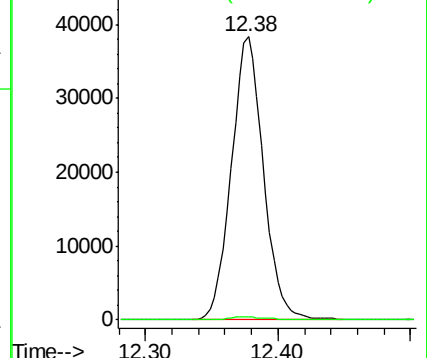
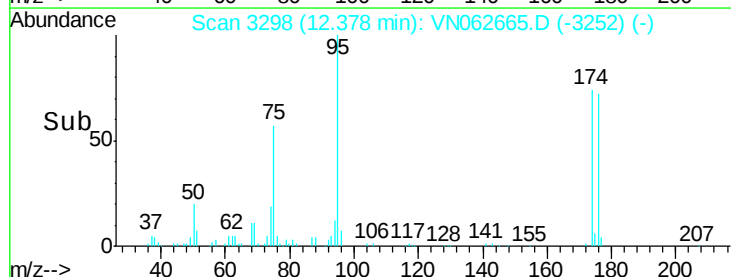
75 100

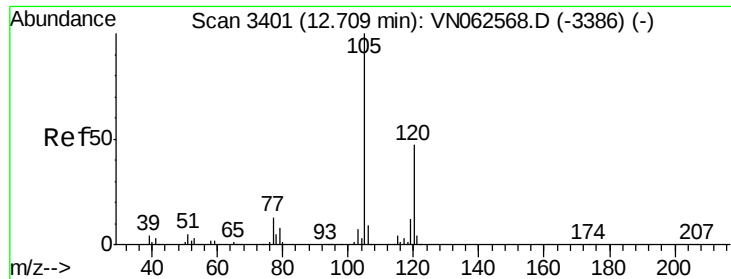
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

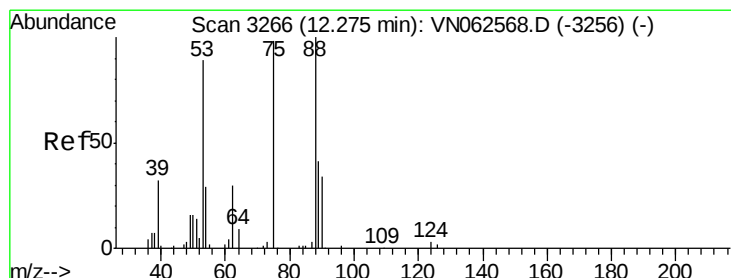
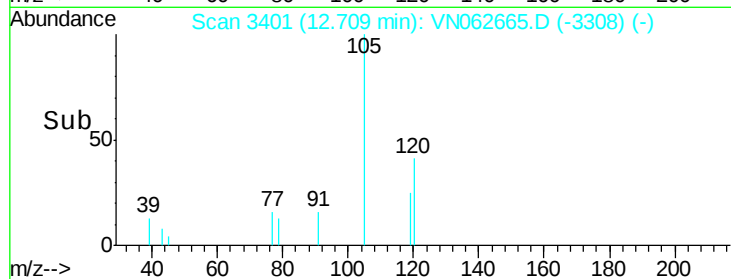
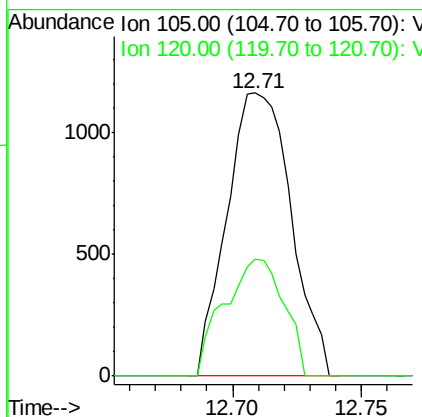
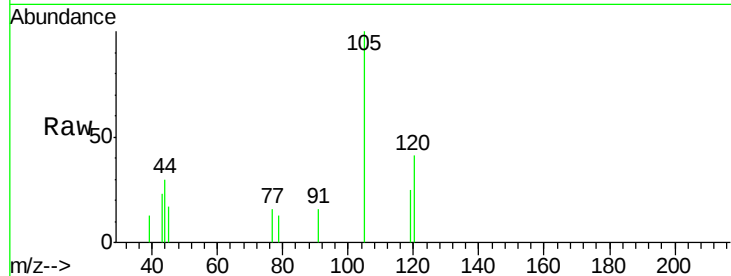




#80
 1,3,5-Trimethylbenzene
 Concen: 0.346 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. 0.00 min
 Lab File: VN062665.D
 Acq: 30 Jul 2020 12:40

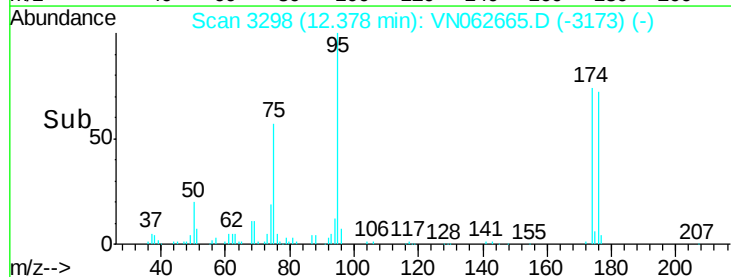
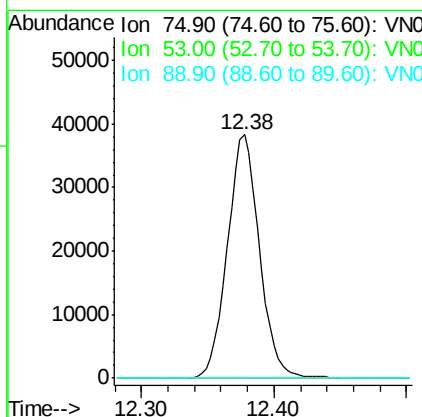
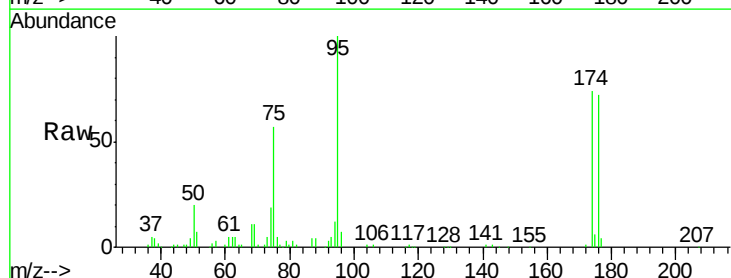
Instrument :
 MSVOA_N
 ClientSampleId :
 PB130598ZHE#18

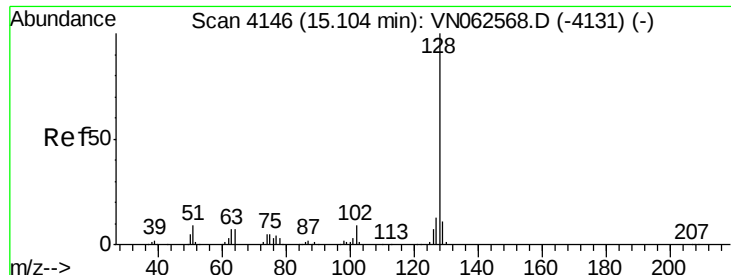
Tot Ion:105 Resp: 2022
 Ion Ratio Lower Upper
 105 100
 120 38.4 23.2 69.6



#81
 trans-1,4-Dichloro-2-butene
 Concen: 78.973 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.10 min
 Lab File: VN062665.D
 Acq: 30 Jul 2020 12:40

Tgt Ion: 75 Resp: 64329
 Ion Ratio Lower Upper
 75 100
 53 0.0 75.4 113.0#
 89 0.0 34.5 51.7#





#95

Naphthalene

Concen: 3.879 ug/l

RT: 15.11 min Scan# 4147

Delta R.T. 0.00 min

Lab File: VN062665.D

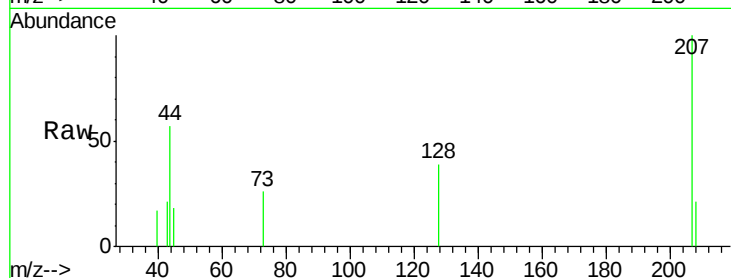
Acq: 30 Jul 2020 12:40

Instrument :

MSVOA_N

ClientSampleId :

PB130598ZHE#18



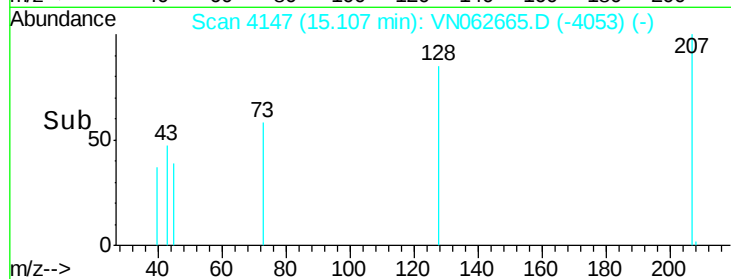
Tot Ion:128 Resp: 506

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

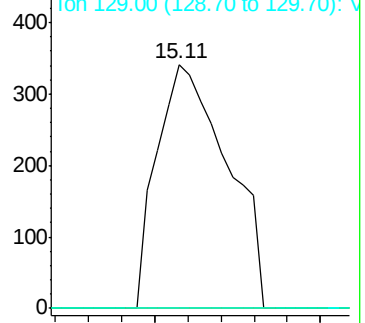
129 0.0 8.7 13.1#



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



Time-->