

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072720\
 Data File : VN062613.D
 Acq On : 27 Jul 2020 21:06
 Operator : JC/MD
 Sample : PB130485ZHE#10
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB130485ZHE#10

Quant Time: Jul 28 06:26:54 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	137470	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	250652	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	249162	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	105089	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	117113	54.84	ug/l	0.00
Spiked Amount			Recovery	=	109.68%	
35) Dibromofluoromethane	7.55	113	82486	50.10	ug/l	0.00
Spiked Amount			Recovery	=	100.20%	
50) Toluene-d8	10.06	98	322089	49.03	ug/l	0.00
Spiked Amount			Recovery	=	98.06%	
62) 4-Bromofluorobenzene	12.38	95	124386	51.79	ug/l	0.00
Spiked Amount			Recovery	=	103.58%	

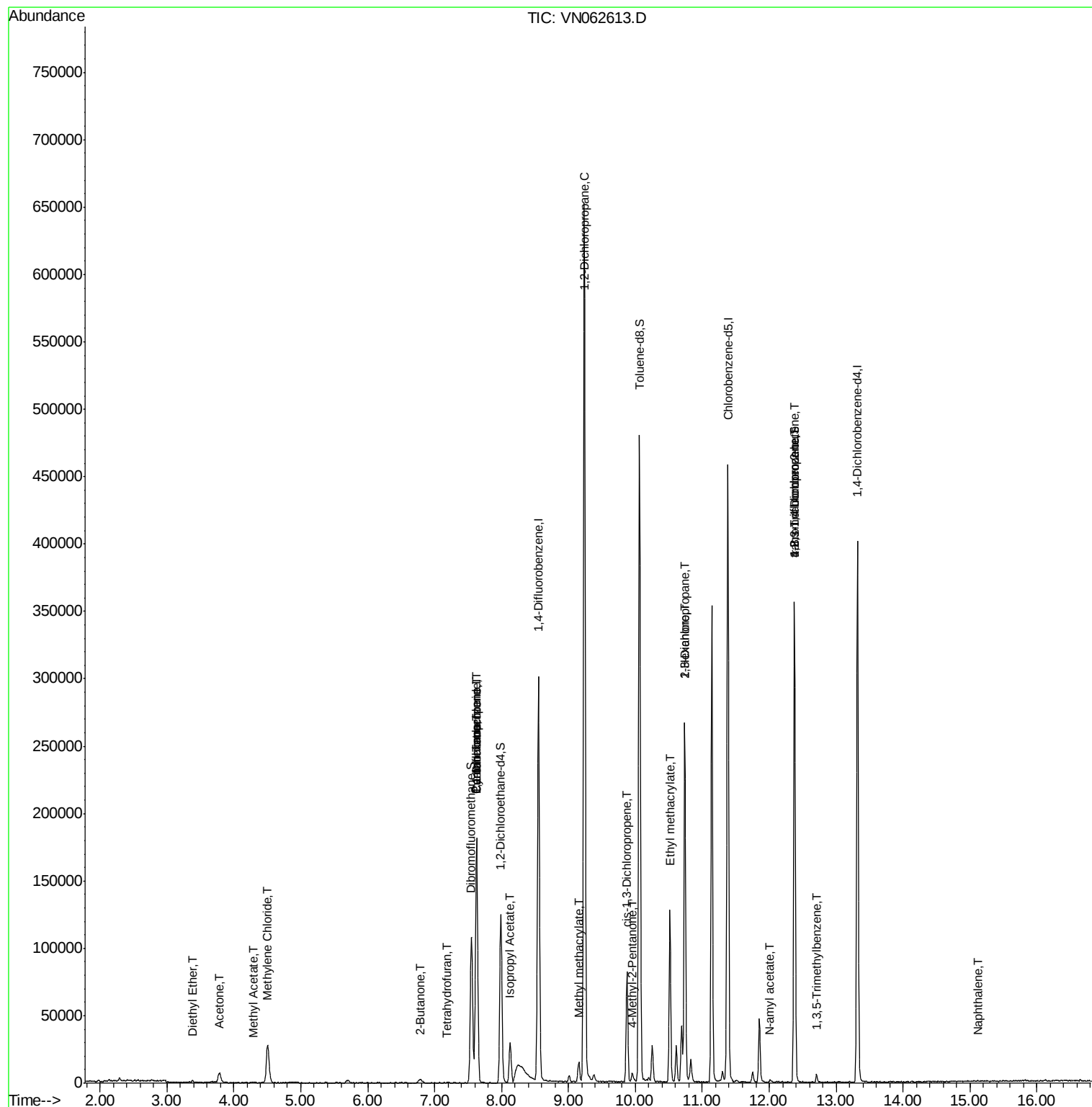
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.38	74	561	0.530	ug/l	83
16) Acetone	3.78	43	13632	16.963	ug/l	100
18) Methyl Acetate	4.29	43	804	0.395	ug/l #	56
20) Methylene Chloride	4.51	84	19780	10.263	ug/l	98
25) 2-Butanone	6.80	43	1677	1.370	ug/l	95
29) Tetrahydrofuran	7.18	42	296	0.357	ug/l #	57
31) Cyclohexane	7.62	56	3370	1.071	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	12311	4.608	ug/l #	51
38) Carbon Tetrachloride	7.63	117	14984	5.835	ug/l #	19
43) Isopropyl Acetate	8.13	43	34314	7.391	ug/l #	89
45) 1,2-Dichloropropane	9.24	63	720	0.317	ug/l #	44
48) Methyl methacrylate	9.15	41	2499	1.132	ug/l #	15
51) 4-Methyl-2-Pentanone	9.95	43	4244	1.528	ug/l #	87
54) cis-1,3-Dichloropropene	9.88	75	13984	4.117	ug/l #	65
56) Ethyl methacrylate	10.51	69	354	1.873	ug/l #	22
57) 1,3-Dichloropropane	10.73	76	2577	0.772	ug/l #	42
59) 2-Hexanone	10.74	43	40262	21.478	ug/l #	53
74) N-amyl acetate	12.01	43	1733	0.467	ug/l #	45
76) 1,2,3-Trichloropropane	12.38	75	69286	25.902	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.71	105	3331	0.483	ug/l	92
81) trans-1,4-Dichloro-2-buten	12.38	75	69286	72.106	ug/l #	12
95) Naphthalene	15.11	128	29	3.767	ug/l #	69

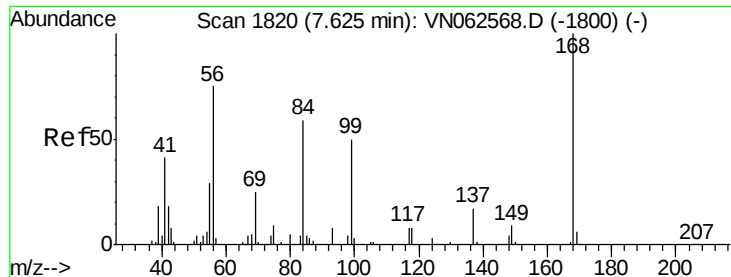
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN072720\
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Quant Time: Jul 28 06:26:54 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N072120W.M
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# 1821

Delta R.T. 0.00 min

Lab File: VN062613.D

Acq: 27 Jul 2020 21:06

Instrument :

MSVOA_N

ClientSampleId :

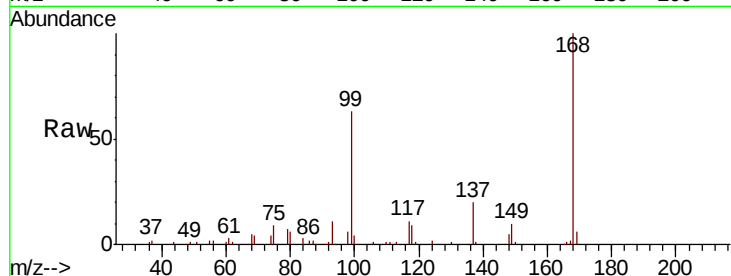
PB130485ZHE#10

Tot Ion:168 Resp: 137470

Ion Ratio Lower Upper

168 100

99 63.4 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.63

60000

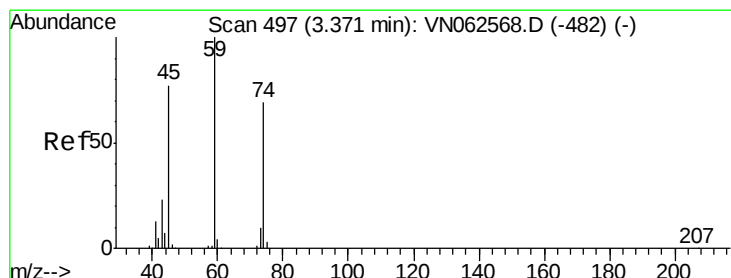
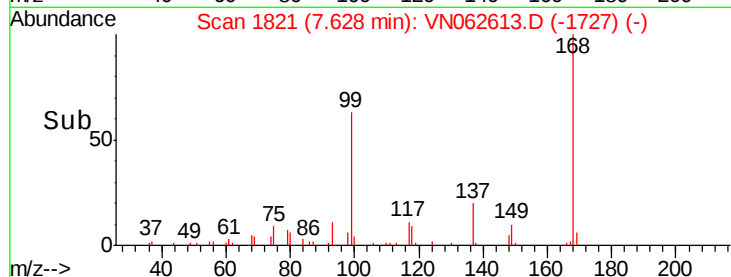
40000

20000

0

7.55 7.60 7.65 7.70

Time-->



#8

Diethyl Ether

Concen: 0.530 ug/l

RT: 3.38 min Scan# 499

Delta R.T. 0.01 min

Lab File: VN062613.D

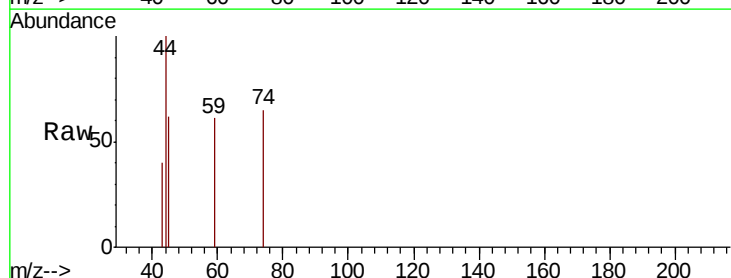
Acq: 27 Jul 2020 21:06

Tgt Ion: 74 Resp: 561

Ion Ratio Lower Upper

74 100

45 92.2 55.3 165.8



Abundance Ion 74.00 (73.70 to 74.70): VN0

Ion 45.00 (44.70 to 45.70): VN0

3.38

400

300

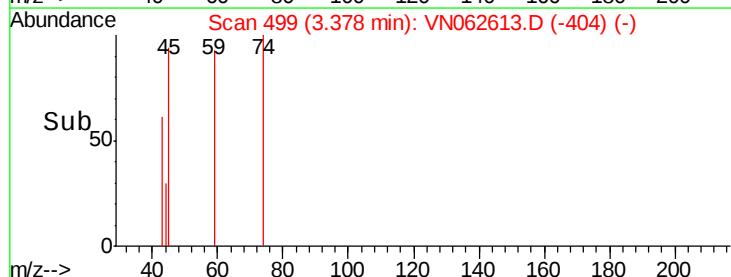
200

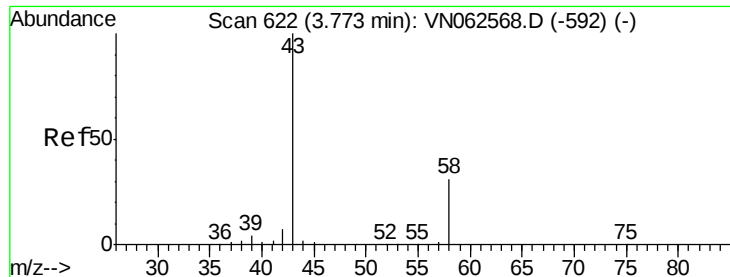
100

0

3.34 3.36 3.38 3.40

Time-->





#16

Acetone

Concen: 16.963 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.01 min

Lab File: VN062613.D

Acq: 27 Jul 2020 21:06

Instrument :

MSVOA_N

ClientSampleId :

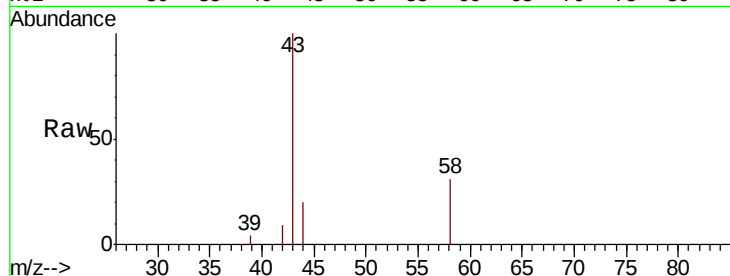
PB130485ZHE#10

Tot Ion: 43 Resp: 13632

Ion Ratio Lower Upper

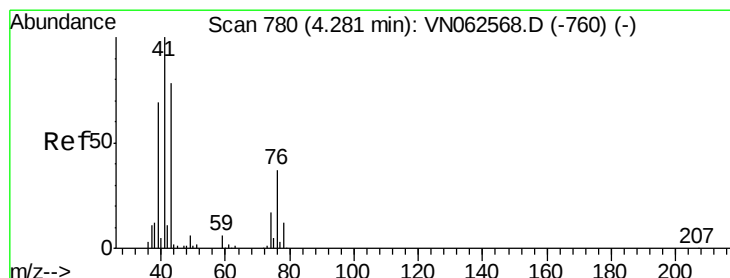
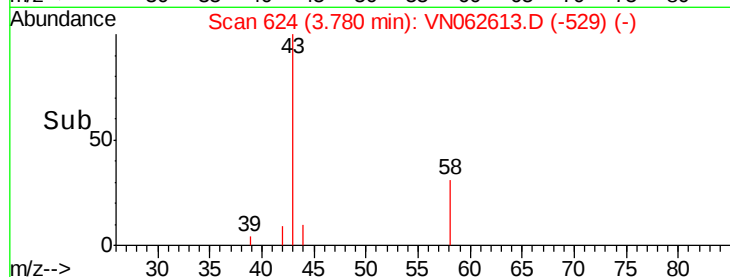
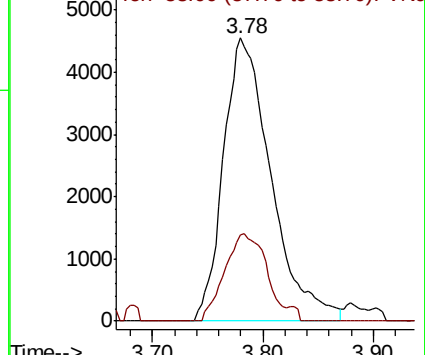
43 100

58 30.6 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VN062613.D (-529) (-)

Ion 58.00 (57.70 to 58.70): VN062613.D (-529) (-)



#18

Methyl Acetate

Concen: 0.395 ug/l

RT: 4.29 min Scan# 783

Delta R.T. 0.01 min

Lab File: VN062613.D

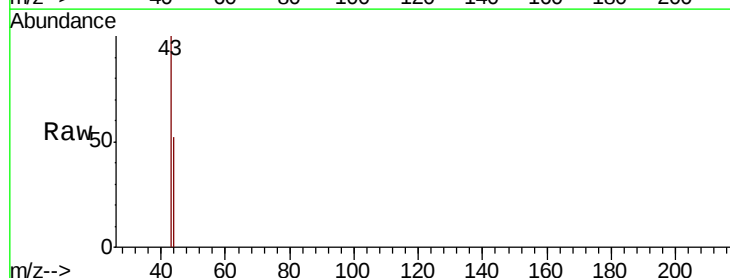
Acq: 27 Jul 2020 21:06

Tgt Ion: 43 Resp: 804

Ion Ratio Lower Upper

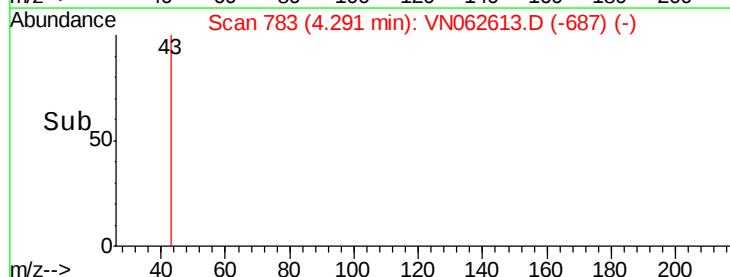
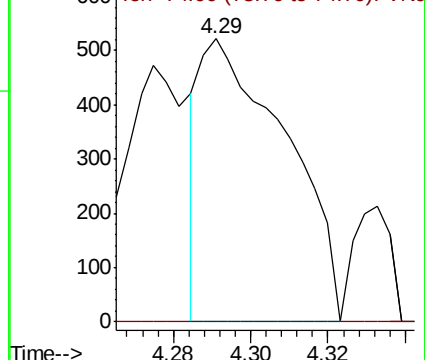
43 100

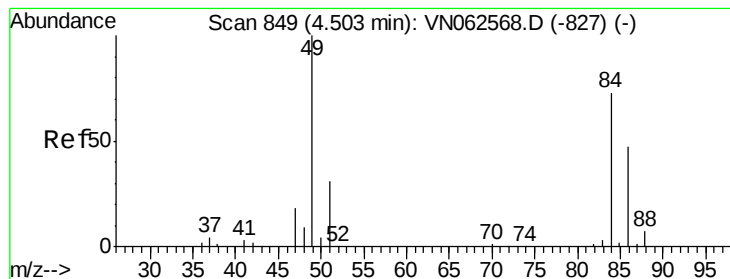
74 0.0 16.6 24.8#



Abundance Ion 43.00 (42.70 to 43.70): VN062613.D (-687) (-)

Ion 74.00 (73.70 to 74.70): VN062613.D (-687) (-)





#20

Methvlene Chloride

Concen: 10.263 ug/l

RT: 4.51 min Scan# 851

Delta R.T. 0.01 min

Lab File: VN062613.D

Acq: 27 Jul 2020 21:06

Instrument :

MSVOA_N

ClientSampleId :

PB130485ZHE#10

Tot Ion: 84 Resp: 19780

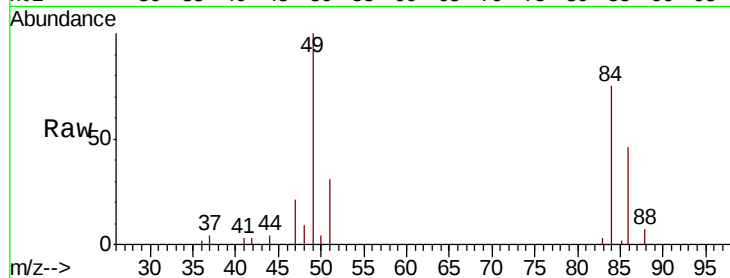
Ion Ratio Lower Upper

84 100

49 133.8 109.4 164.0

51 41.4 33.6 50.4

86 61.6 51.4 77.2

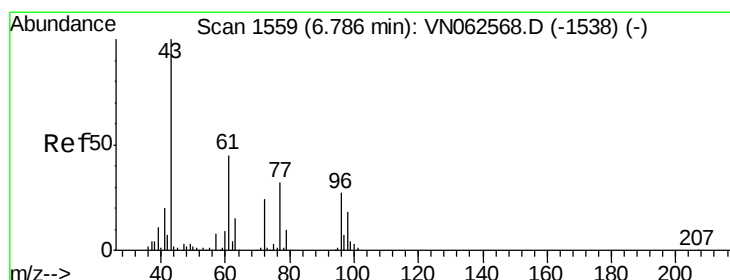
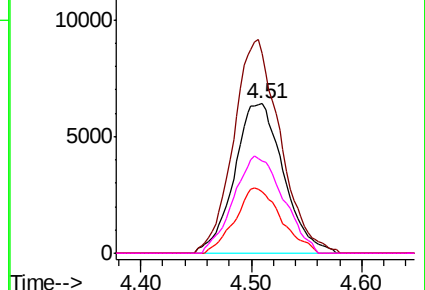
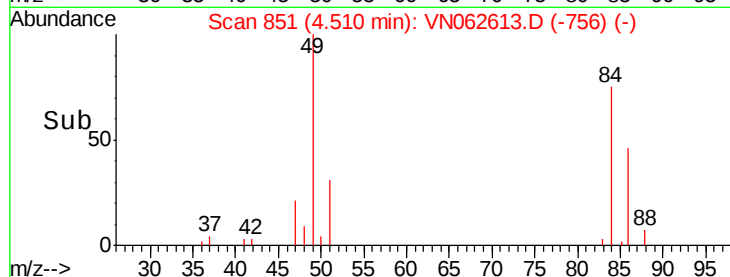


Abundance Ion 83.90 (83.60 to 84.60): VN0

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: 1.370 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.01 min

Lab File: VN062613.D

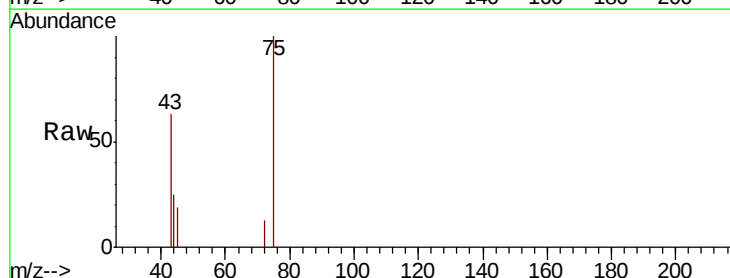
Acq: 27 Jul 2020 21:06

Tgt Ion: 43 Resp: 1677

Ion Ratio Lower Upper

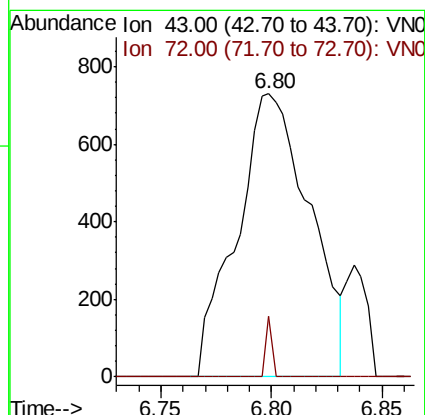
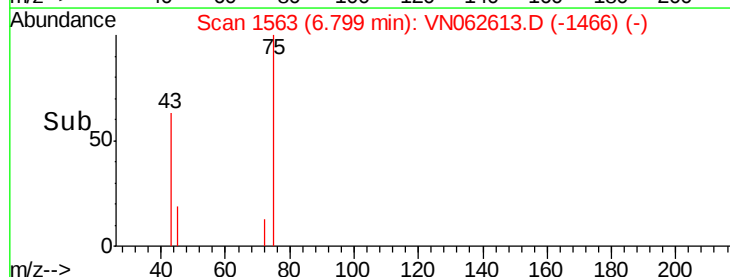
43 100

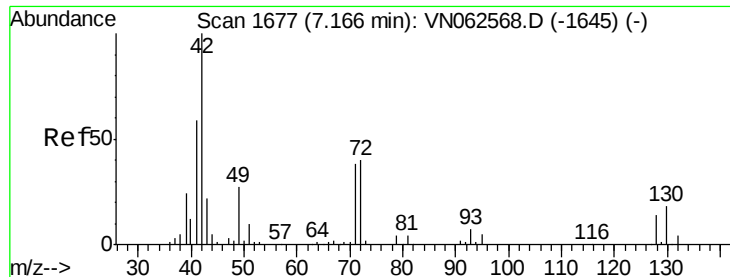
72 21.2 19.0 28.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0





#29

Tetrahydrofuran

Concen: 0.357 ug/l

RT: 7.18 min Scan# 1683

Delta R.T. 0.02 min

Lab File: VN062613.D

Acq: 27 Jul 2020 21:06

Instrument :

MSVOA_N

ClientSampleId :

PB130485ZHE#10

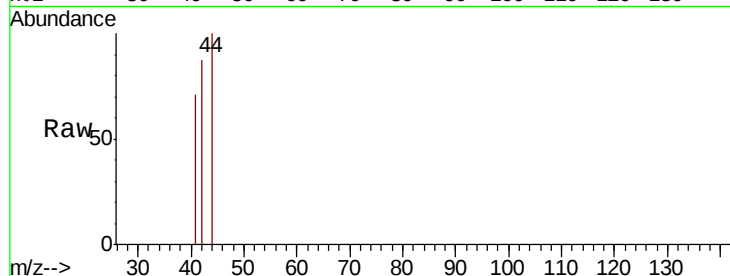
Tot Ion: 42 Resp: 296

Ion Ratio Lower Upper

42 100

72 23.3 30.7 46.1#

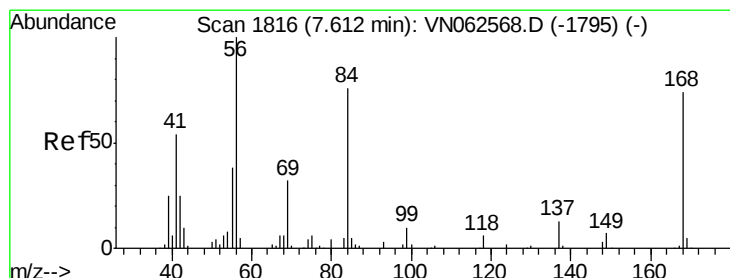
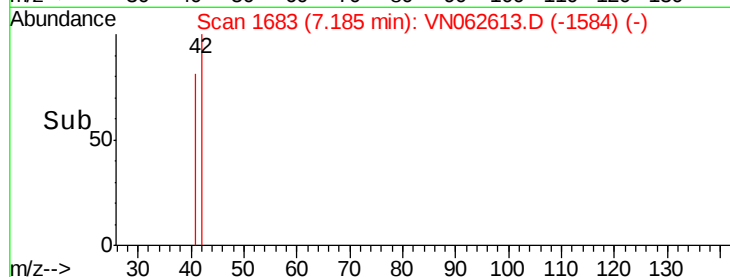
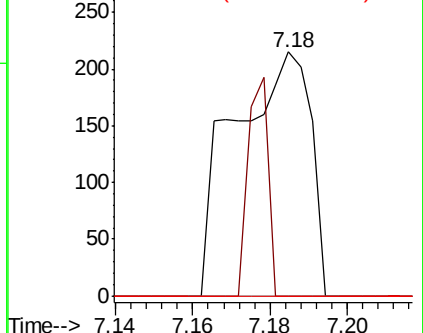
71 0.0 29.1 43.7#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#31

Cyclohexane

Concen: 1.071 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VN062613.D

Acq: 27 Jul 2020 21:06

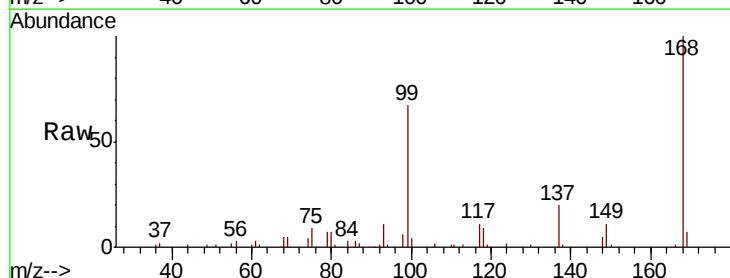
Tgt Ion: 56 Resp: 3370

Ion Ratio Lower Upper

56 100

69 179.3 25.3 37.9#

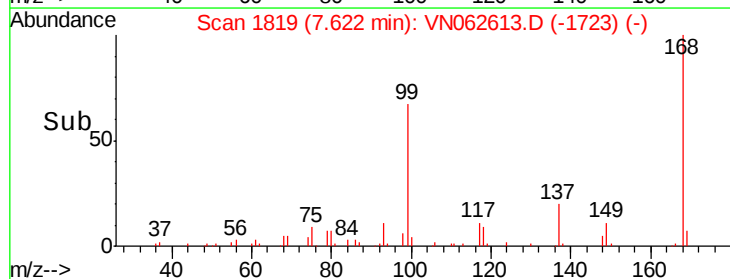
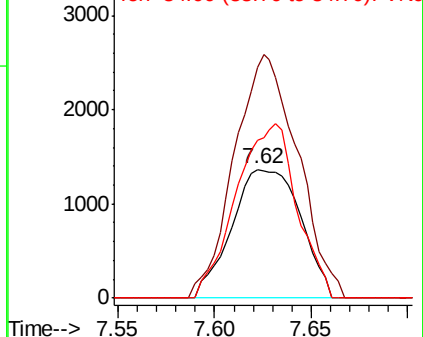
84 122.2 61.0 91.4#

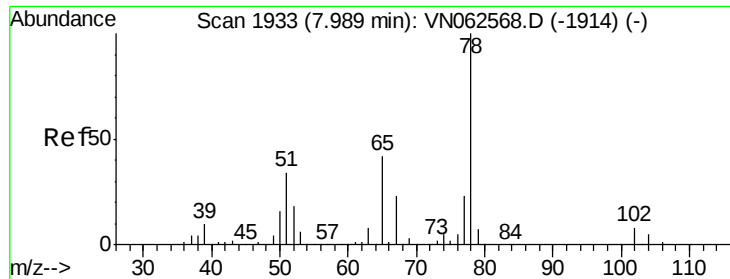


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0





#33

1,2-Dichloroethane-d4

Concen: 54.840 ug/l

RT: 7.99 min Scan# 1934

Delta R.T. 0.00 min

Lab File: VN062613.D

Acq: 27 Jul 2020 21:06

Instrument :

MSVOA_N

ClientSampleId :

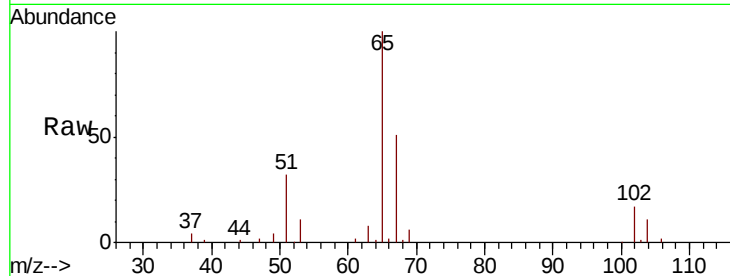
PB130485ZHE#10

Tot Ion: 65 Resp: 117113

Ion Ratio Lower Upper

65 100

67 50.2 0.0 106.0



Abundance Ion 64.90 (64.60 to 65.60): VN062568.D (-1914) (-)

Ion 66.90 (66.60 to 67.60): VN062568.D (-1914) (-)

7.99

50000

40000

30000

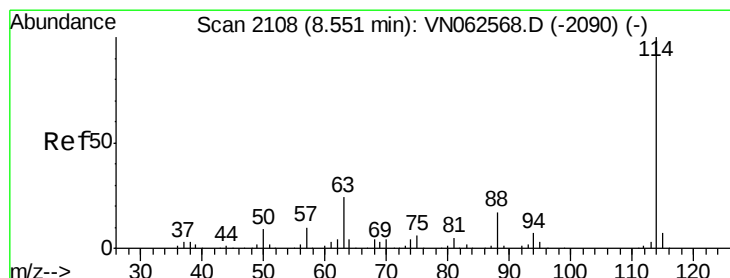
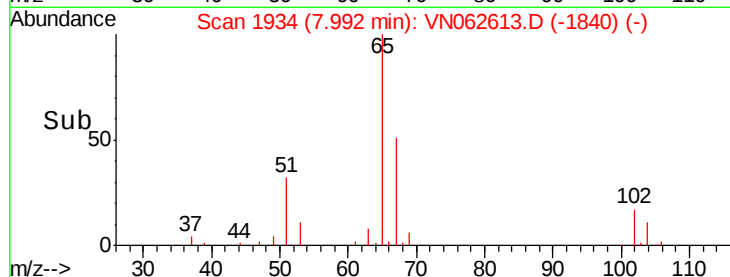
20000

10000

0

Time-->

7.90 8.00 8.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. -0.00 min

Lab File: VN062613.D

Acq: 27 Jul 2020 21:06

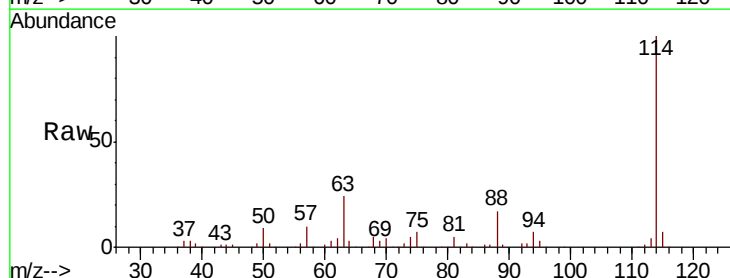
Tgt Ion: 114 Resp: 250652

Ion Ratio Lower Upper

114 100

63 23.7 0.0 48.4

88 17.4 0.0 33.8



Abundance Ion 113.90 (113.60 to 114.60): VN062568.D (-2090) (-)

Ion 63.00 (62.70 to 63.70): VN062568.D (-2090) (-)

Ion 87.90 (87.60 to 88.60): VN062568.D (-2090) (-)

8.55

150000

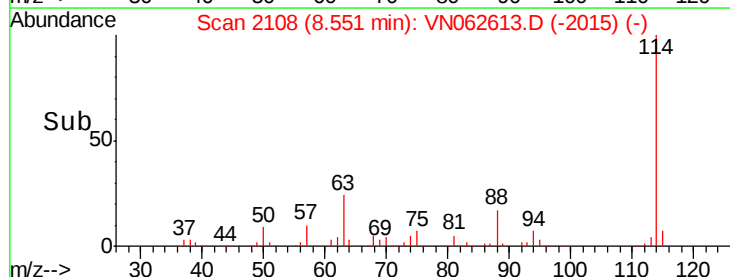
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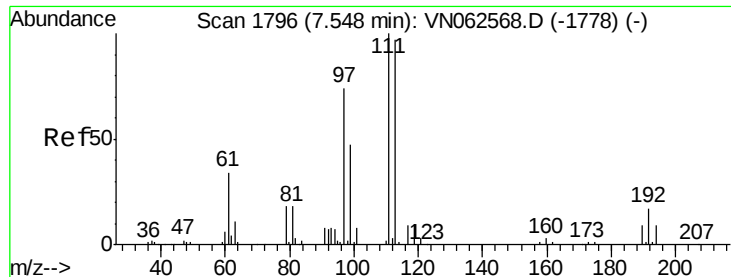
50000

0

Time-->

8.50 8.60

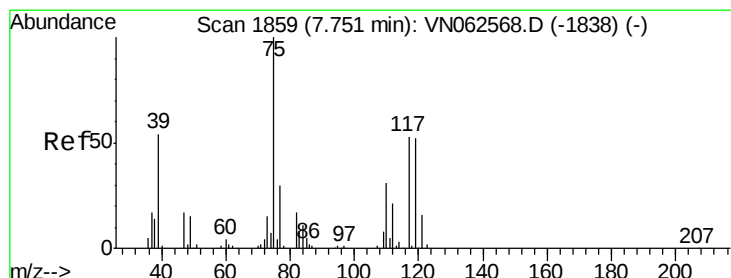
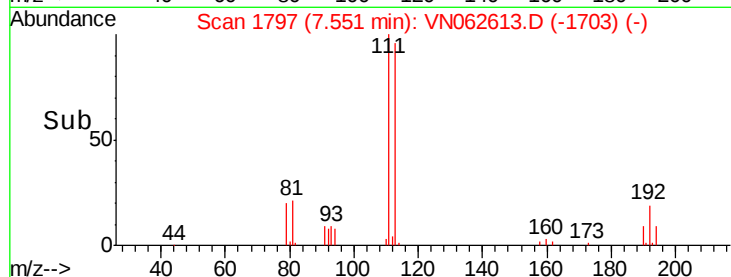
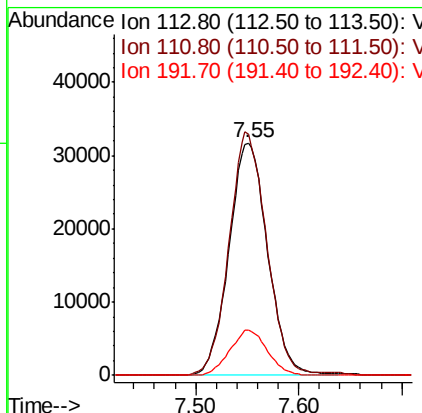
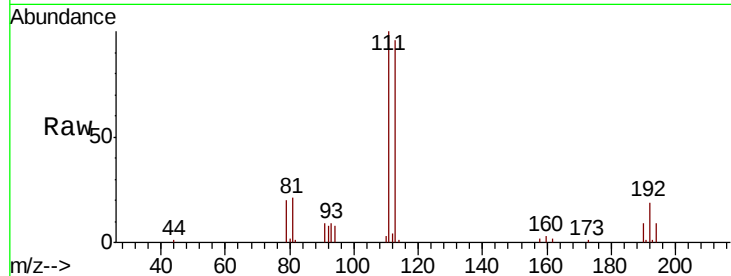




#35
 Dibromofluoromethane
 Concen: 50.100 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN062613.D
 Acq: 27 Jul 2020 21:06

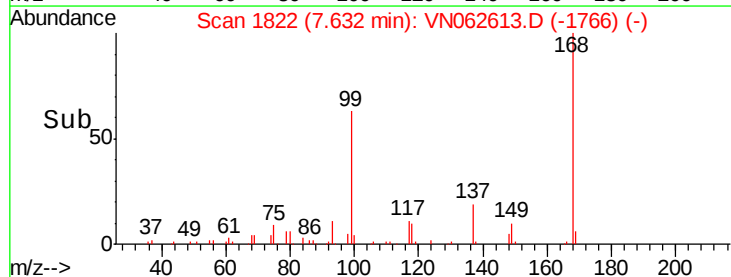
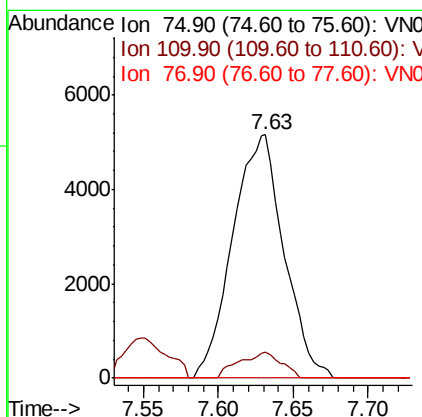
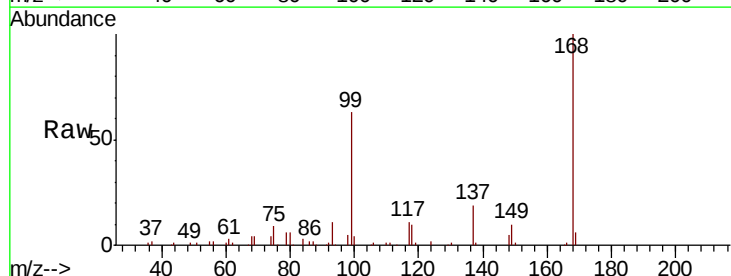
Instrument :
 MSVOA_N
 ClientSampleId :
 PB130485ZHE#10

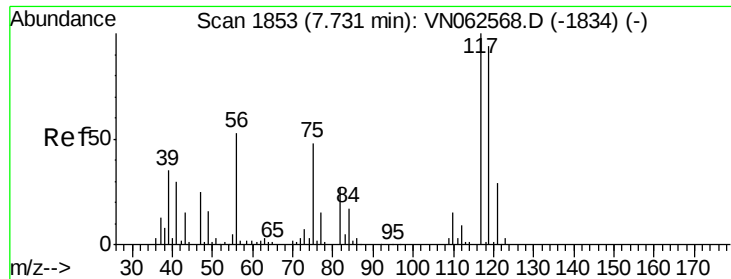
Tot Ion:113 Resp: 82486
 Ion Ratio Lower Upper
 113 100
 111 102.6 82.7 124.1
 192 18.8 14.8 22.2



#36
 1,1-Dichloropropene
 Concen: 4.608 ug/l
 RT: 7.63 min Scan# 1822
 Delta R.T. -0.12 min
 Lab File: VN062613.D
 Acq: 27 Jul 2020 21:06

Tgt Ion: 75 Resp: 12311
 Ion Ratio Lower Upper
 75 100
 110 8.9 16.0 48.0#
 77 0.0 24.6 36.8#





#38

Carbon Tetrachloride

Concen: 5.835 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. -0.10 min

Lab File: VN062613.D

Acq: 27 Jul 2020 21:06

Instrument :

MSVOA_N

ClientSampleId :

PB130485ZHE#10

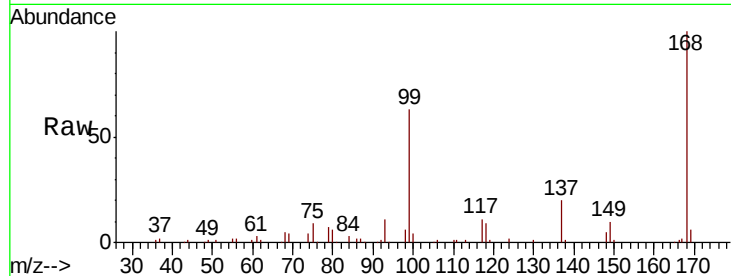
Tot Ion:117 Resp: 14984

Ion Ratio Lower Upper

117 100

119 7.5 74.8 112.2#

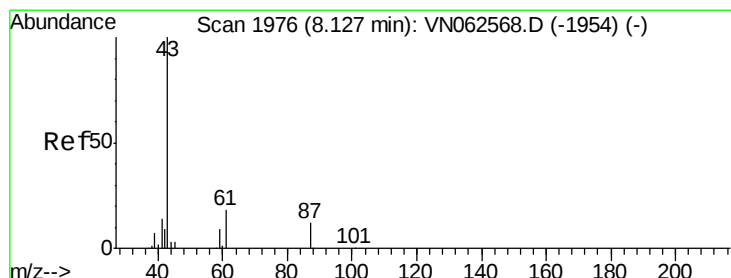
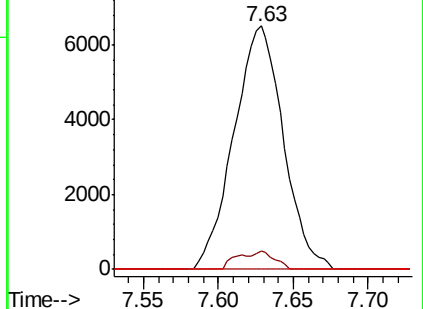
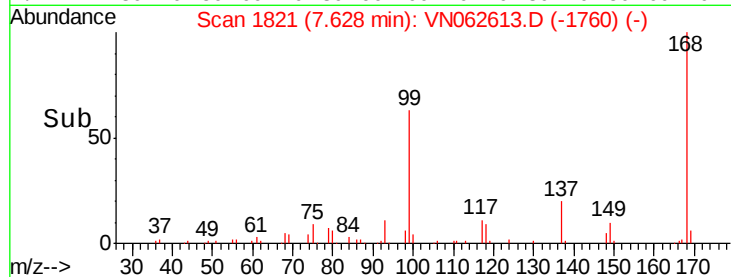
121 0.0 23.0 34.6#



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: 7.391 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. -0.00 min

Lab File: VN062613.D

Acq: 27 Jul 2020 21:06

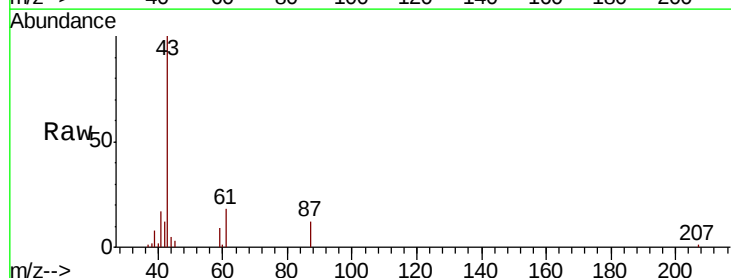
Tgt Ion: 43 Resp: 34314

Ion Ratio Lower Upper

43 100

61 19.0 20.8 31.2#

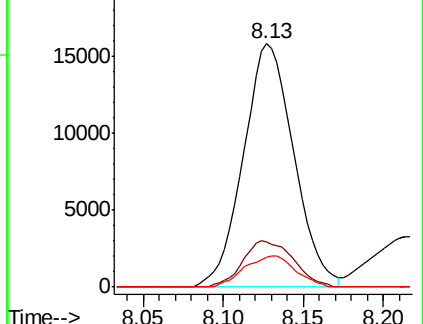
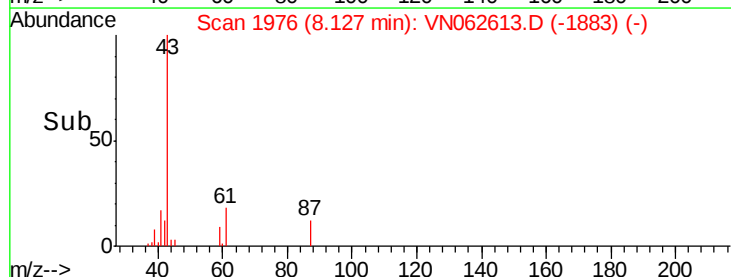
87 12.8 9.2 13.8

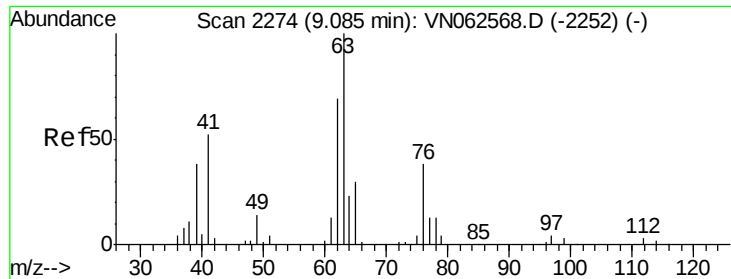


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

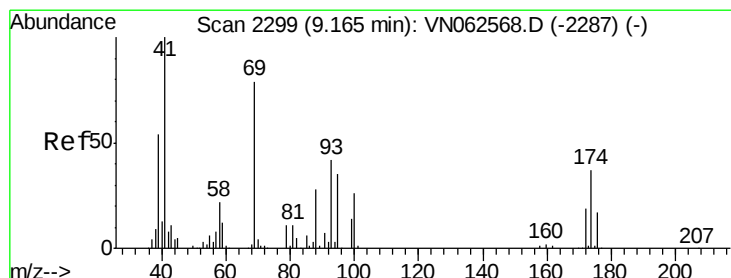
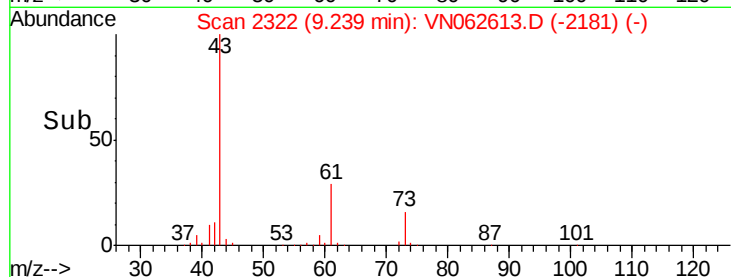
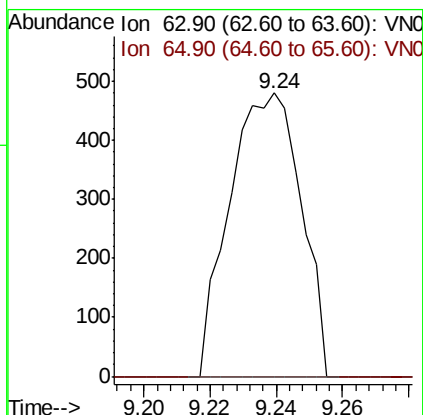
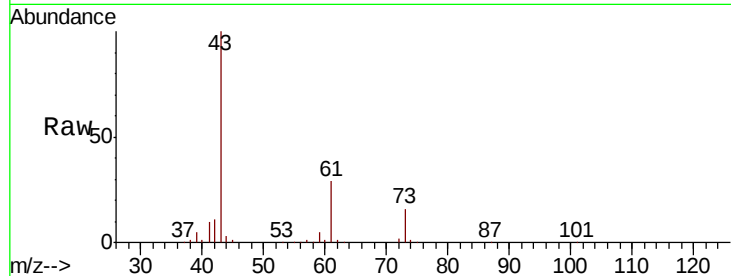




#45
 1,2-Dichloropropane
 Concen: 0.317 ug/l
 RT: 9.24 min Scan# 2322
 Delta R.T. 0.15 min
 Lab File: VN062613.D
 Acq: 27 Jul 2020 21:06

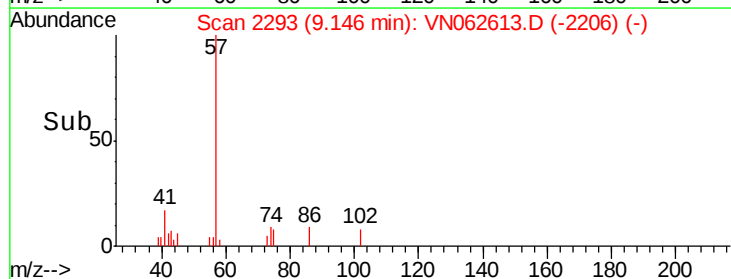
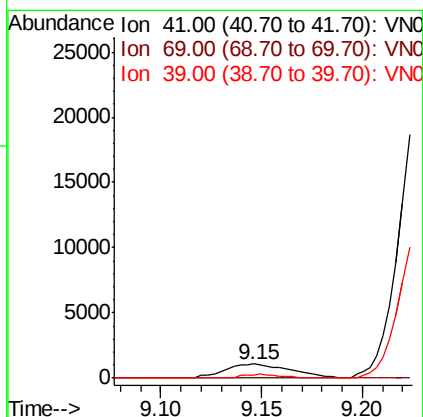
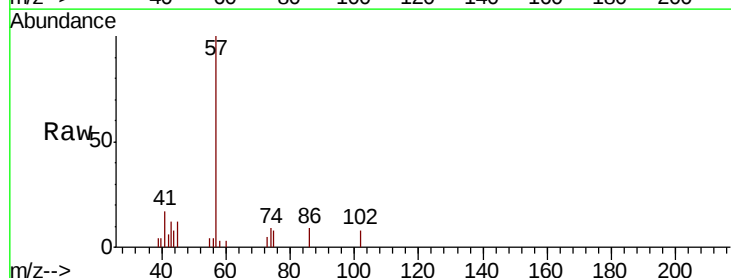
Instrument :
 MSVOA_N
 ClientSampleId :
 PB130485ZHE#10

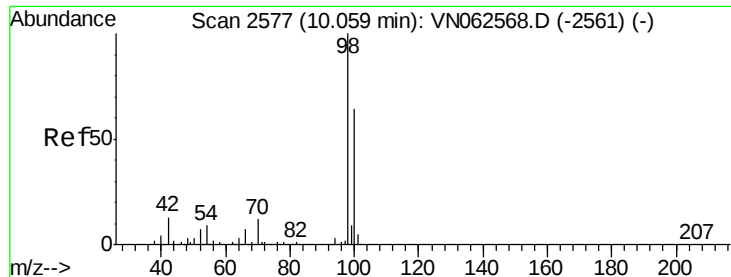
Tot Ion: 63 Resp: 720
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.4 36.6#



#48
 Methyl methacrylate
 Concen: 1.132 ug/l
 RT: 9.15 min Scan# 2293
 Delta R.T. -0.02 min
 Lab File: VN062613.D
 Acq: 27 Jul 2020 21:06

Tgt Ion: 41 Resp: 2499
 Ion Ratio Lower Upper
 41 100
 69 0.0 64.4 96.6#
 39 0.0 43.5 65.3#





#50

Toluene-d8

Concen: 49.031 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN062613.D

Acq: 27 Jul 2020 21:06

Instrument :

MSVOA_N

ClientSampleId :

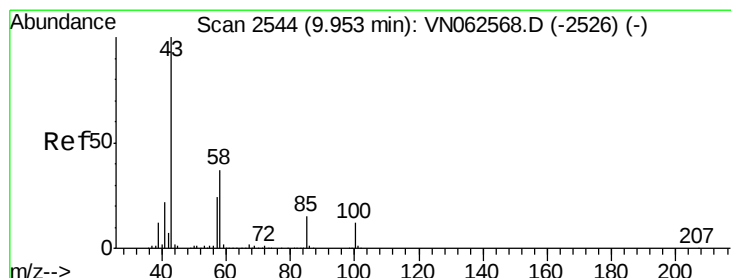
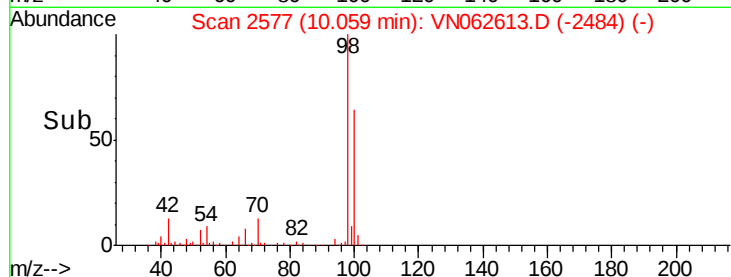
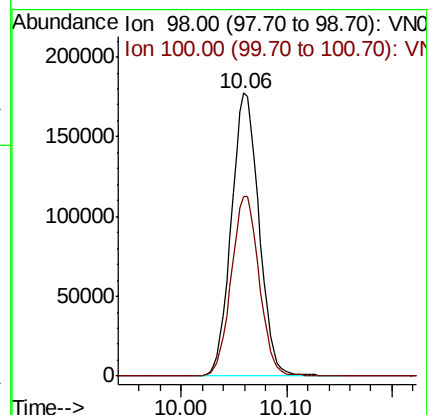
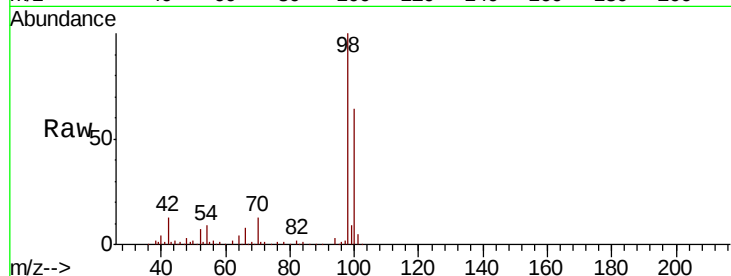
PB130485ZHE#10

Tot Ion: 98 Resp: 322089

Ion Ratio Lower Upper

98 100

100 64.2 50.9 76.3



#51

4-Methyl-2-Pentanone

Concen: 1.528 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN062613.D

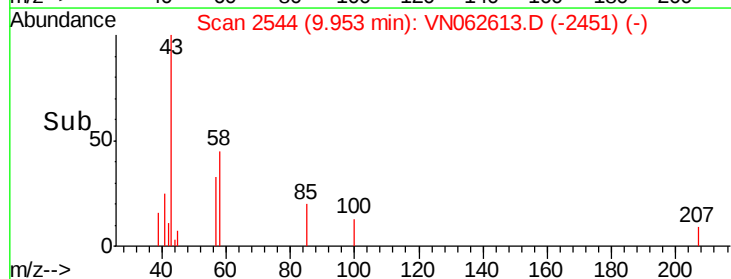
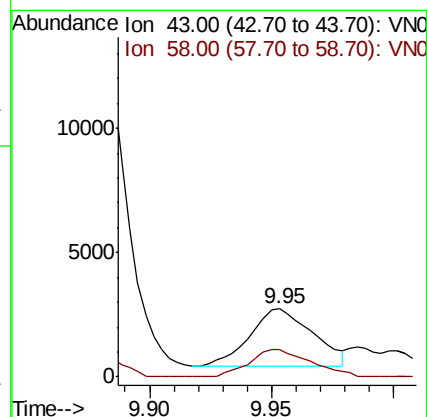
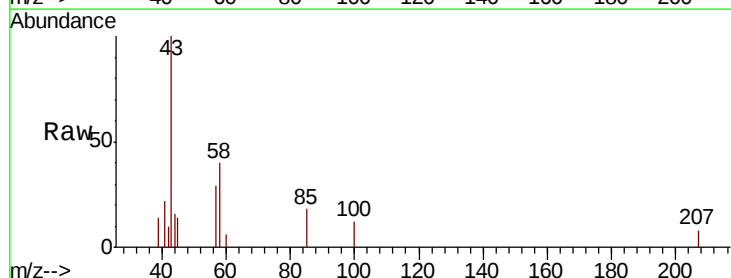
Acq: 27 Jul 2020 21:06

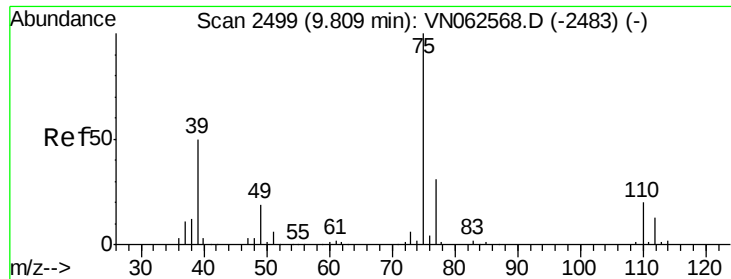
Tgt Ion: 43 Resp: 4244

Ion Ratio Lower Upper

43 100

58 45.0 29.8 44.6#

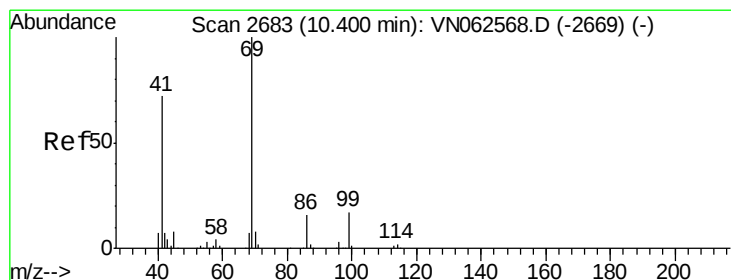
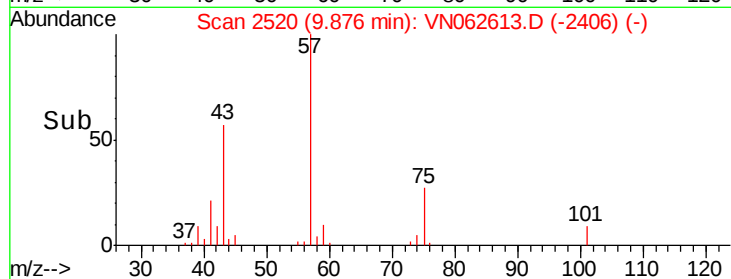
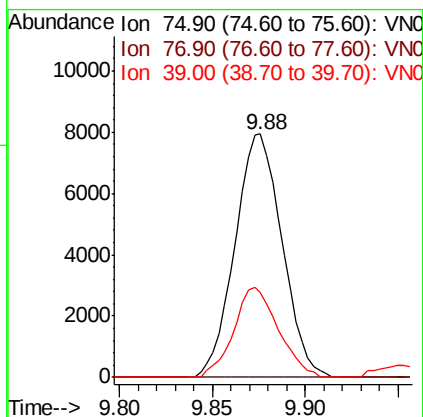
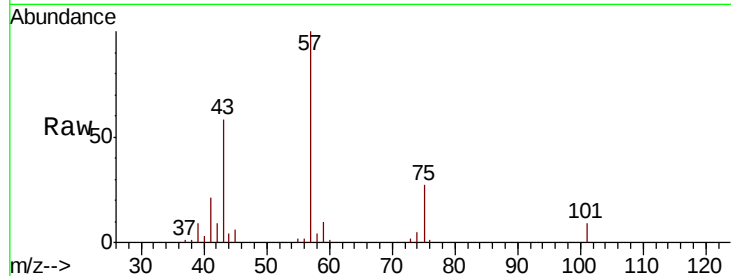




#54
 cis-1,3-Dichloropropene
 Concen: 4.117 ug/l
 RT: 9.88 min Scan# 2520
 Delta R.T. 0.07 min
 Lab File: VN062613.D
 Acq: 27 Jul 2020 21:06

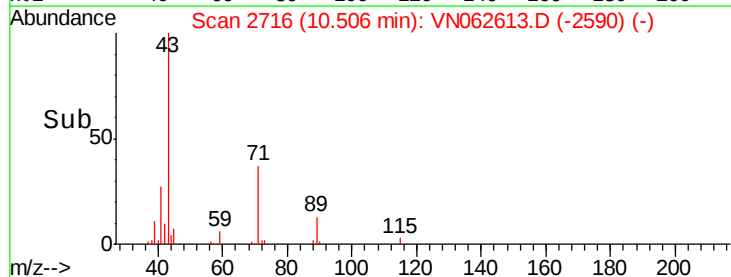
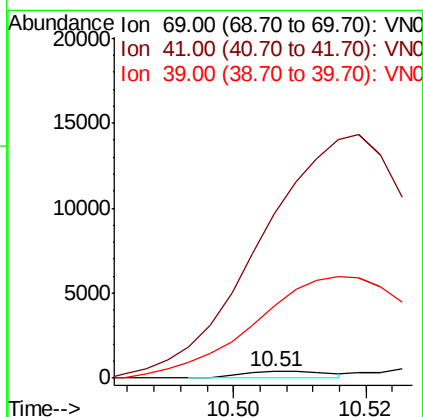
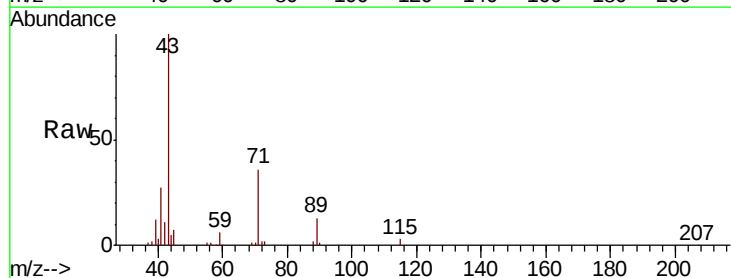
Instrument :
 MSVOA_N
 ClientSampleId :
 PB130485ZHE#10

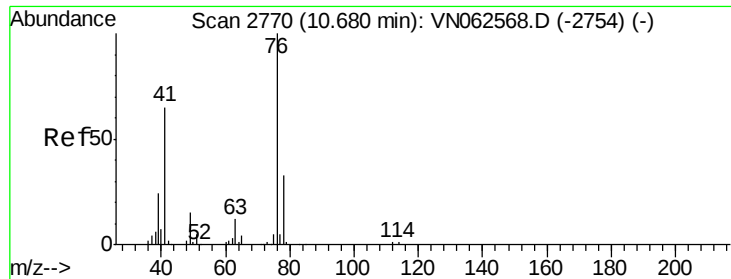
Tot Ion: 75 Resp: 13984
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.6#
 39 34.6 39.8 59.8#



#56
 Ethyl methacrylate
 Concen: 1.873 ug/l
 RT: 10.51 min Scan# 2716
 Delta R.T. 0.11 min
 Lab File: VN062613.D
 Acq: 27 Jul 2020 21:06

Tgt Ion: 69 Resp: 354
 Ion Ratio Lower Upper
 69 100
 41 0.0 57.2 85.8#
 39 0.0 28.6 43.0#

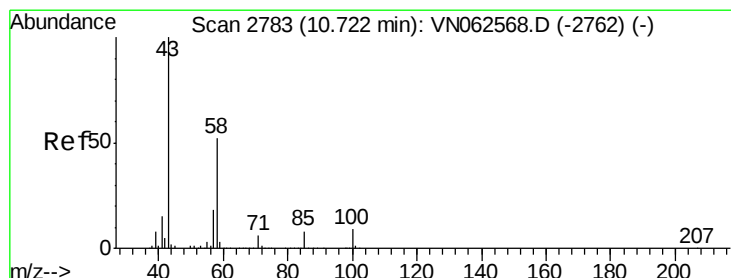
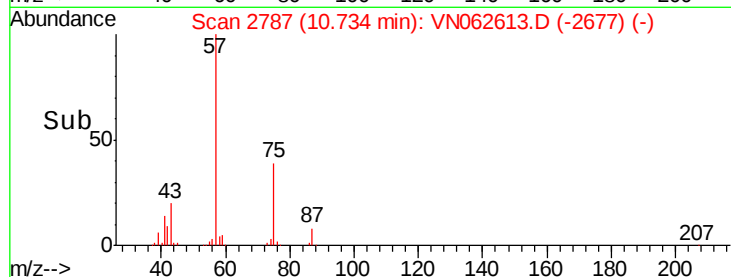
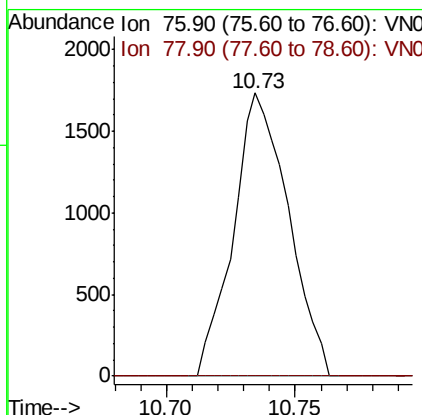
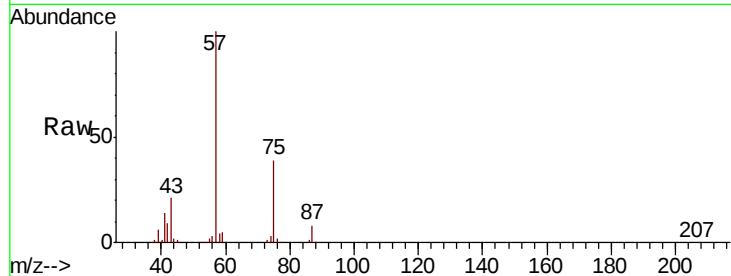




#57
 1,3-Dichloropropane
 Concen: 0.772 ug/l
 RT: 10.73 min Scan# 2787
 Delta R.T. 0.05 min
 Lab File: VN062613.D
 Acq: 27 Jul 2020 21:06

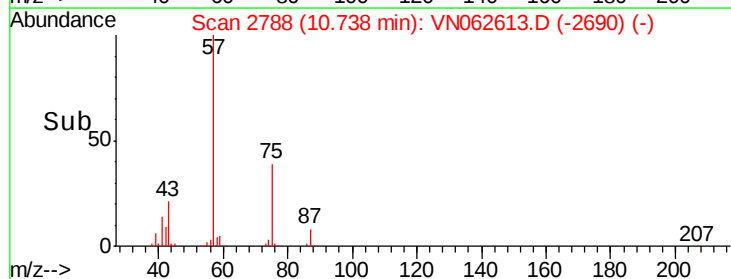
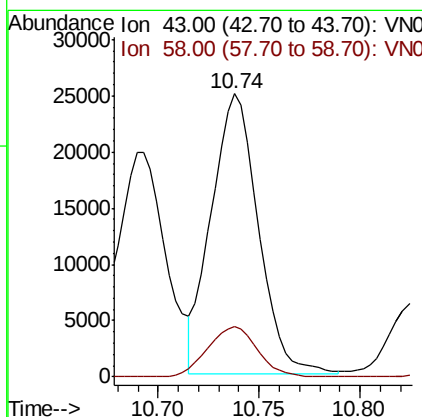
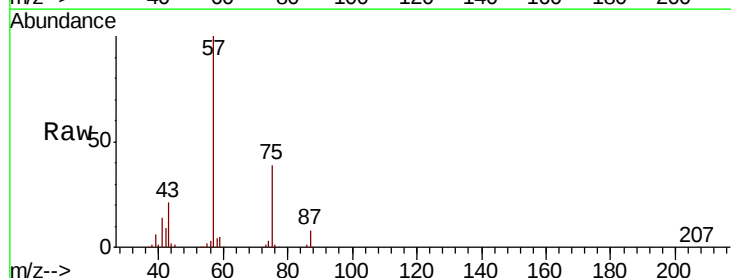
Instrument :
 MSVOA_N
 ClientSampleId :
 PB130485ZHE#10

Tot Ion: 76 Resp: 2577
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.3 39.5#



#59
 2-Hexanone
 Concen: 21.478 ug/l
 RT: 10.74 min Scan# 2788
 Delta R.T. 0.02 min
 Lab File: VN062613.D
 Acq: 27 Jul 2020 21:06

Tgt Ion: 43 Resp: 40262
 Ion Ratio Lower Upper
 43 100
 58 19.0 26.0 78.0#

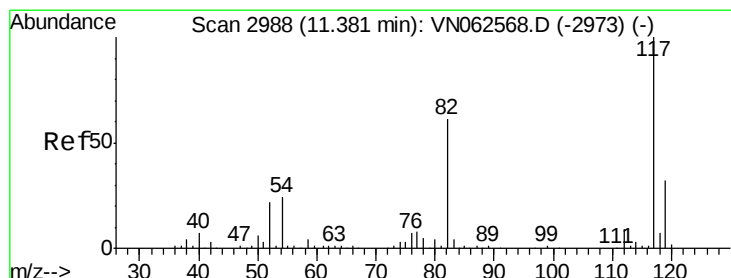
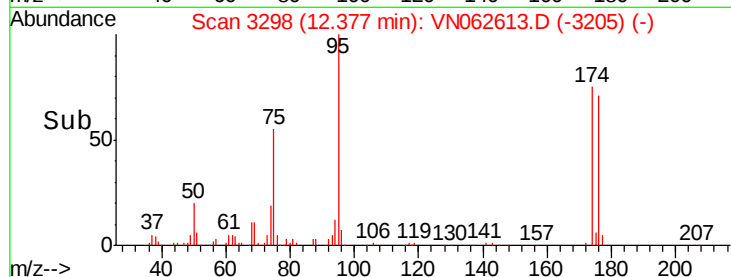
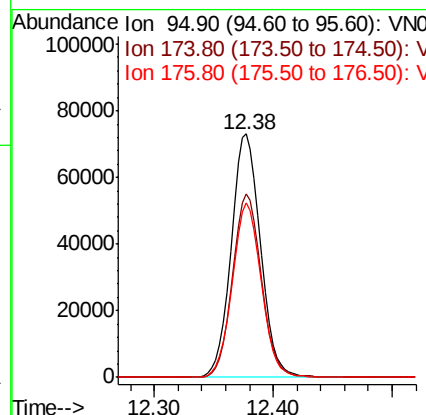
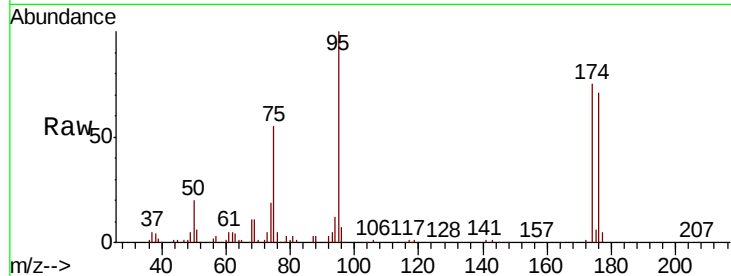




#62
4-Bromofluorobenzene
Concen: 51.785 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.00 min
Lab File: VN062613.D
Acq: 27 Jul 2020 21:06

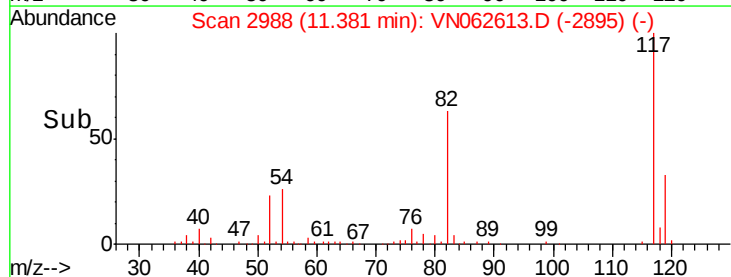
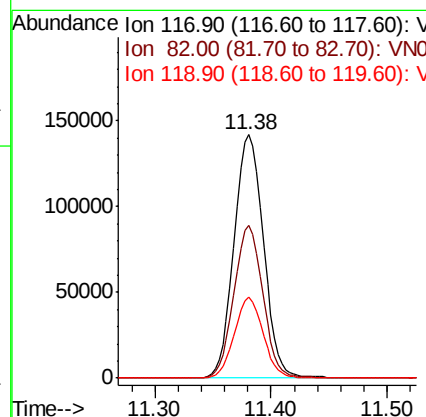
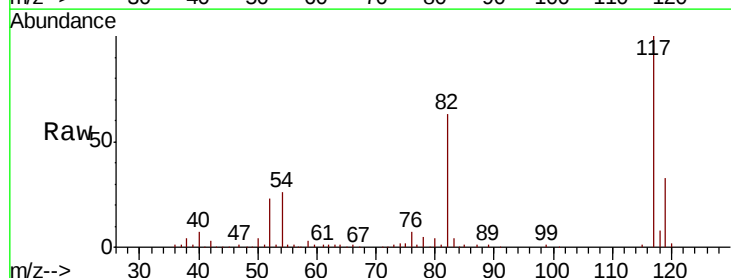
Instrument :
MSVOA_N
ClientSampleId :
PB130485ZHE#10

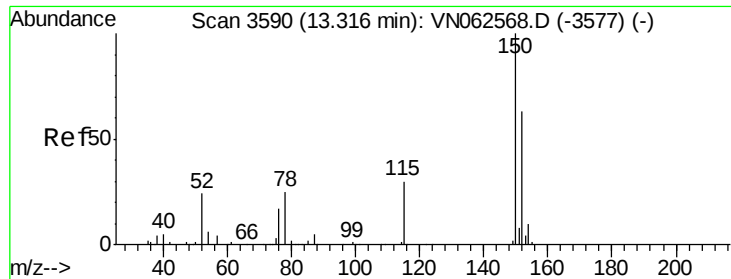
Tot Ion: 95 Resp: 124386
Ion Ratio Lower Upper
95 100
174 74.6 0.0 144.6
176 71.0 0.0 139.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062613.D
Acq: 27 Jul 2020 21:06

Tgt Ion: 117 Resp: 249162
Ion Ratio Lower Upper
117 100
82 62.5 49.0 73.6
119 33.1 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062613.D

Acq: 27 Jul 2020 21:06

Instrument :

MSVOA_N

ClientSampleId :

PB130485ZHE#10

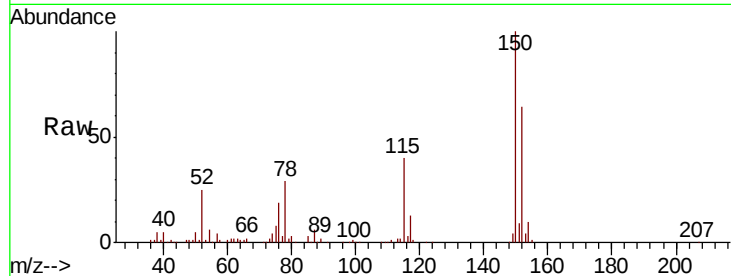
Tot Ion:152 Resp: 105089

Ion Ratio Lower Upper

152 100

115 64.7 31.8 95.4

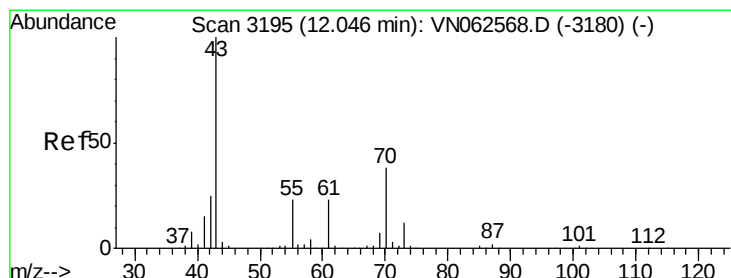
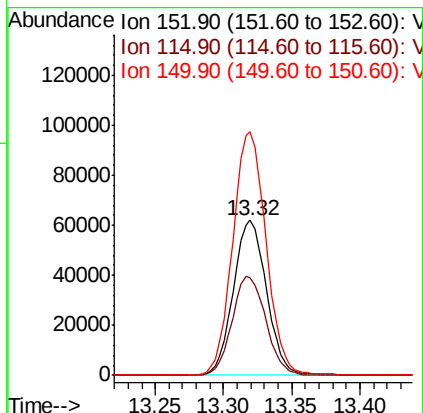
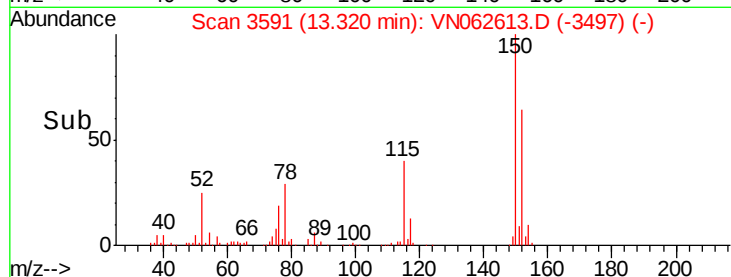
150 158.0 0.0 351.4



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-ethyl acetate

Concen: 0.467 ug/l

RT: 12.01 min Scan# 3185

Delta R.T. -0.03 min

Lab File: VN062613.D

Acq: 27 Jul 2020 21:06

Tgt Ion: 43 Resp: 1733

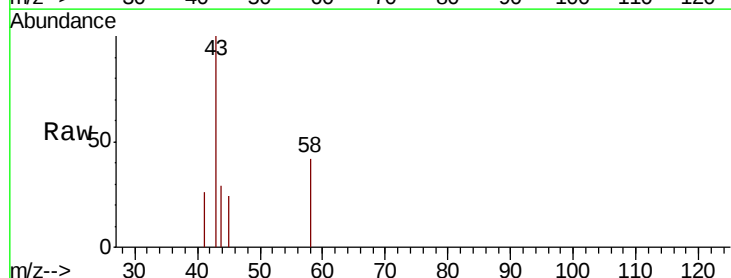
Ion Ratio Lower Upper

43 100

70 0.0 30.5 45.7#

55 0.0 19.0 28.6#

61 0.0 18.4 27.6#

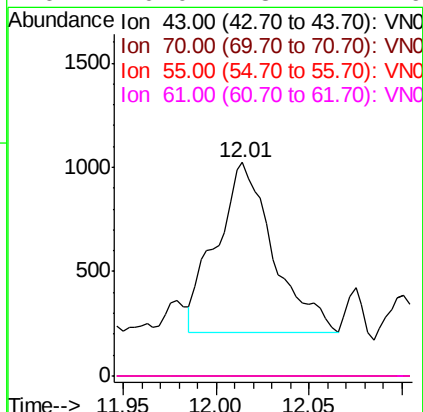
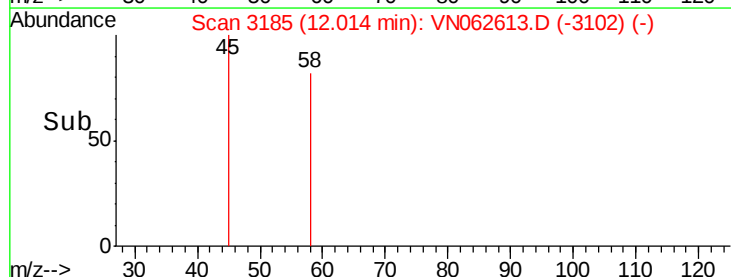


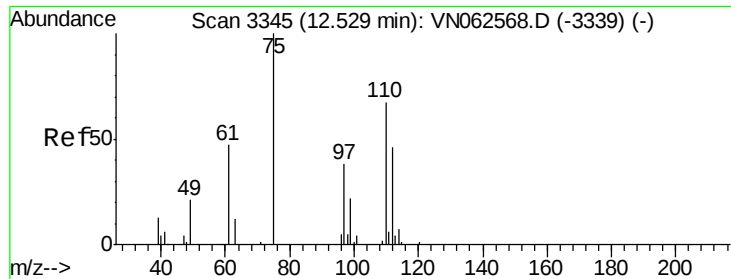
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

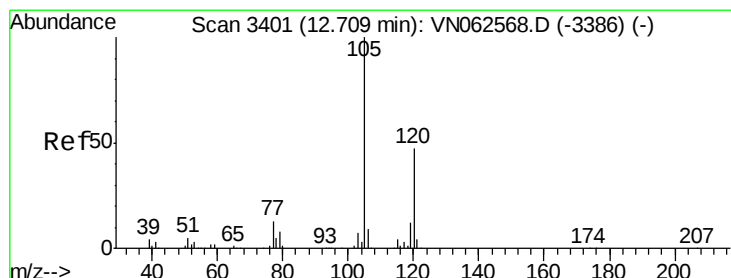
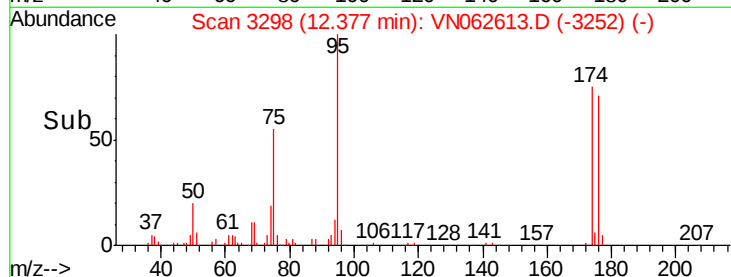
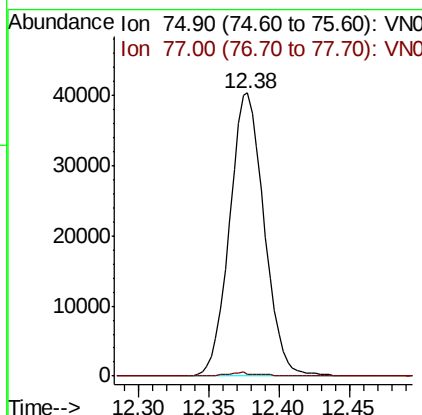
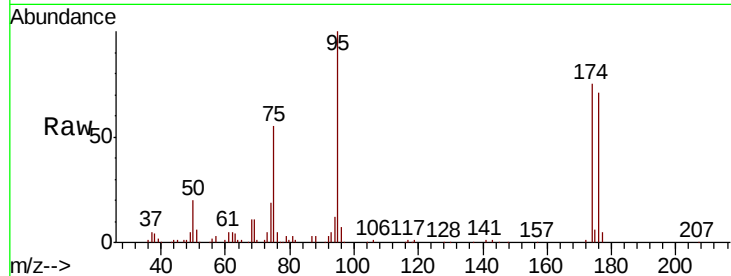




#76
 1,2,3-Trichloropropane
 Concen: 25.902 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.15 min
 Lab File: VN062613.D
 Acq: 27 Jul 2020 21:06

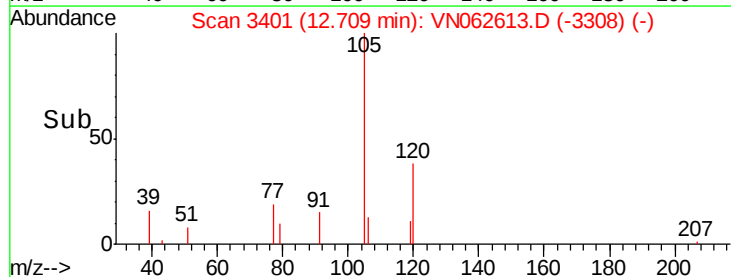
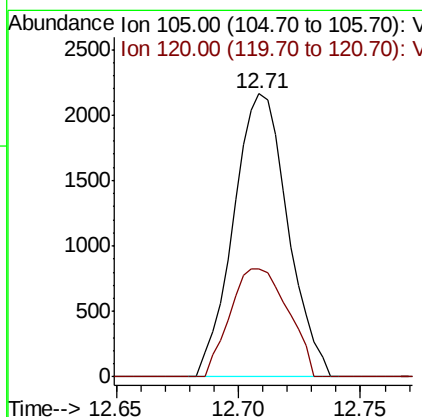
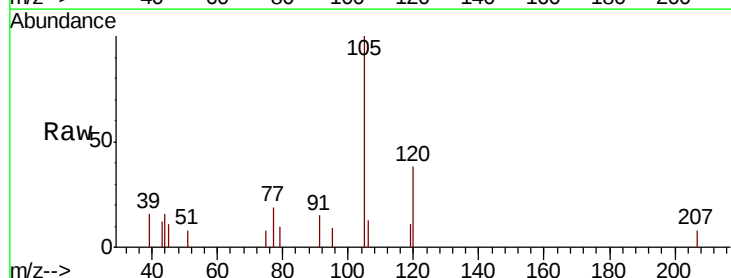
Instrument :
 MSVOA_N
 ClientSampleId :
 PB130485ZHE#10

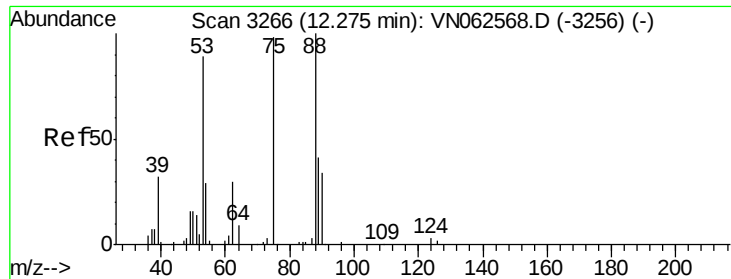
Tot Ion: 75 Resp: 69286
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.483 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. -0.00 min
 Lab File: VN062613.D
 Acq: 27 Jul 2020 21:06

Tgt Ion: 105 Resp: 3331
 Ion Ratio Lower Upper
 105 100
 120 40.8 23.2 69.6

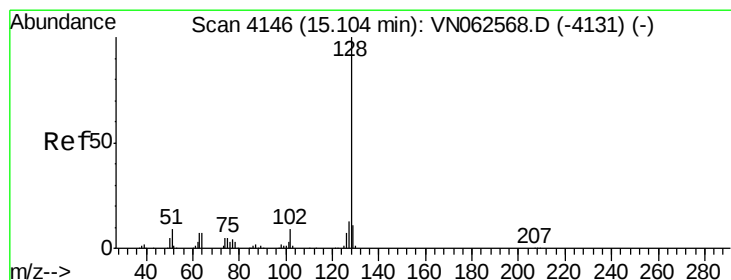
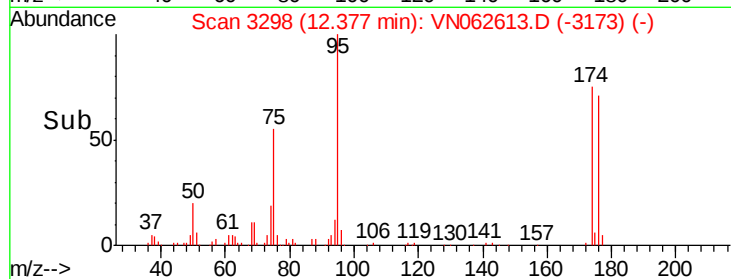
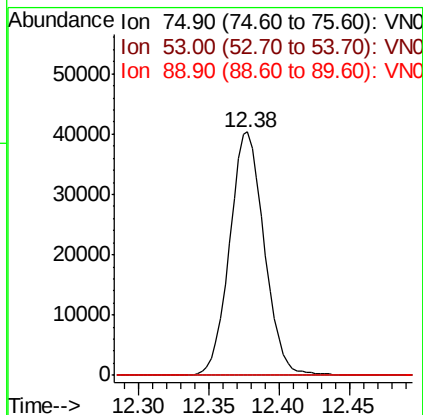
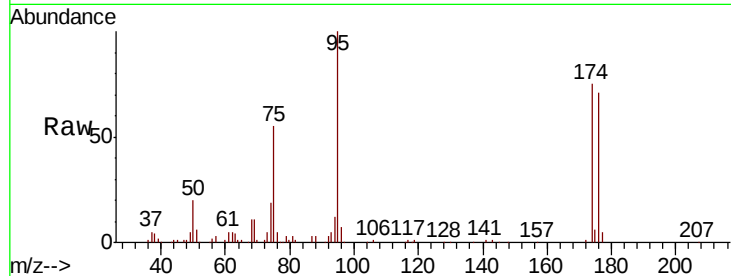




#81
trans-1,4-Dichloro-2-butene
Concen: 72.106 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.10 min
Lab File: VN062613.D
Acq: 27 Jul 2020 21:06

Instrument :
MSVOA_N
ClientSampleId :
PB130485ZHE#10

Tot Ion: 75 Resp: 69286
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.0#
89 0.0 34.5 51.7#



#95
Naphthalene
Concen: 3.767 ug/l
RT: 15.11 min Scan# 4149
Delta R.T. 0.01 min
Lab File: VN062613.D
Acq: 27 Jul 2020 21:06

Tgt Ion: 128 Resp: 29
Ion Ratio Lower Upper
128 100
127 0.0 10.4 15.6#
129 0.0 8.7 13.1#

