

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062620\
 Data File : VN062167.D
 Acq On : 27 Jun 2020 3:04
 Operator : JC/MD
 Sample : L2815-15
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 OR-02-062420

Quant Time: Jun 27 03:51:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 24 15:33:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	216117	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	410412	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	399631	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	146504	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	152543	50.30	ug/l	0.00
Spiked Amount			Recovery	=	100.60%	
35) Dibromofluoromethane	7.55	113	128431	48.78	ug/l	0.00
Spiked Amount			Recovery	=	97.56%	
50) Toluene-d8	10.06	98	528340	50.20	ug/l	0.00
Spiked Amount			Recovery	=	100.40%	
62) 4-Bromofluorobenzene	12.38	95	172260	48.44	ug/l	0.00
Spiked Amount			Recovery	=	96.88%	

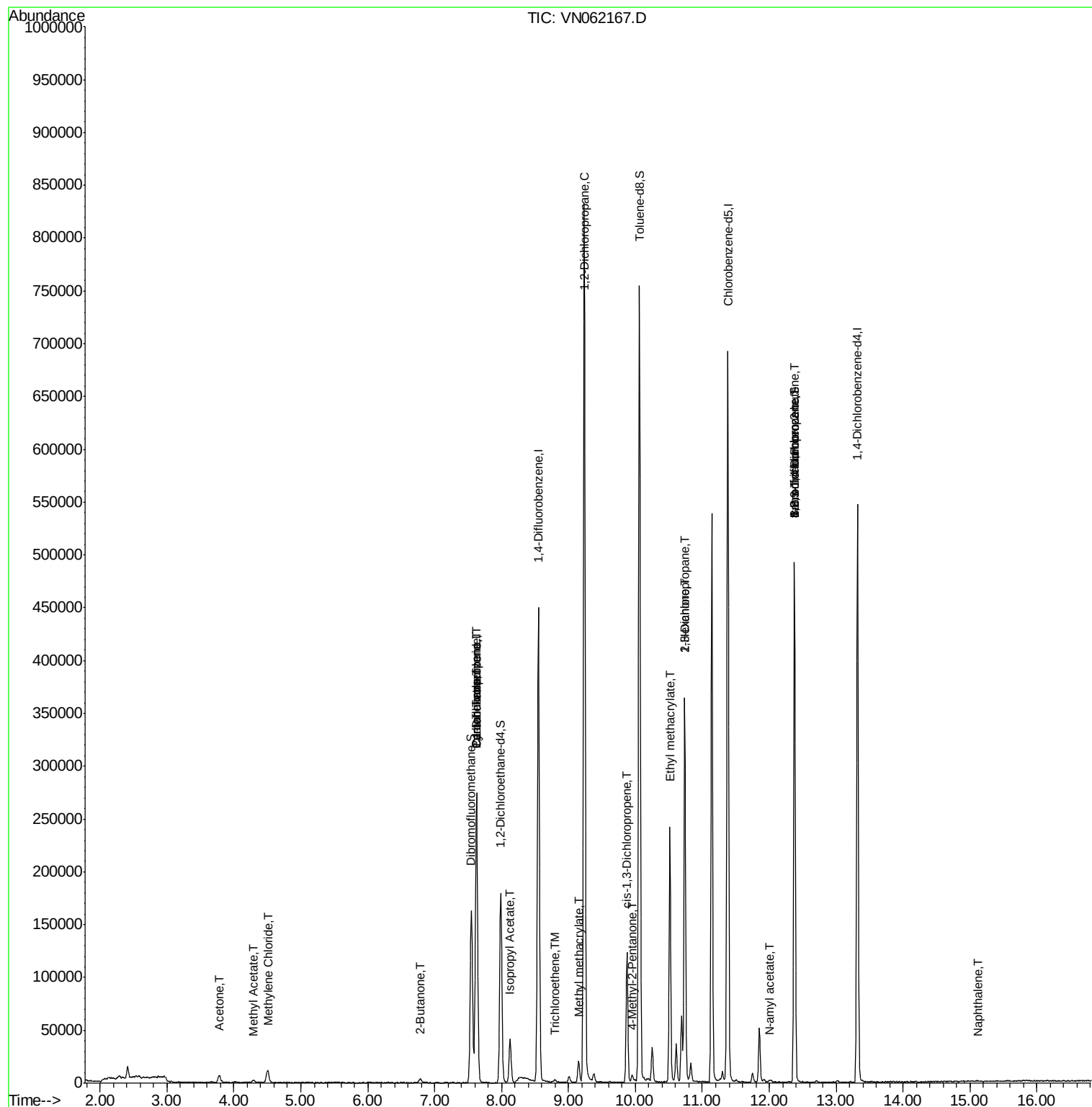
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	223	Below Cal	#	41
16) Acetone	3.79	43	11885	8.573	ug/l	96
18) Methyl Acetate	4.29	43	4195	1.740	ug/l #	66
20) Methylene Chloride	4.50	84	9406	3.175	ug/l	92
25) 2-Butanone	6.79	43	3052	2.059	ug/l	97
31) Cyclohexane	7.62	56	4629	1.105	ug/l #	5
36) 1,1-Dichloropropene	7.63	75	17950	4.351	ug/l #	50
38) Carbon Tetrachloride	7.62	117	22565	5.802	ug/l #	16
43) Isopropyl Acetate	8.13	43	46698	8.386	ug/l	98
44) Trichloroethene	8.81	130	883	0.278	ug/l	79
45) 1,2-Dichloropropane	9.23	63	1083	0.349	ug/l #	43
48) Methyl methacrylate	9.15	41	2596	1.040	ug/l #	6
51) 4-Methyl-2-Pentanone	9.95	43	4272	1.313	ug/l	98
54) cis-1,3-Dichloropropene	9.88	75	23063	4.637	ug/l #	66
56) Ethyl methacrylate	10.51	69	957	0.238	ug/l #	1
57) 1,3-Dichloropropane	10.73	76	4034	0.777	ug/l #	42
59) 2-Hexanone	10.74	43	48646	20.706	ug/l #	50
71) Bromoform	12.37	173	649	0.301	ug/l #	1
74) N-amyl acetate	12.00	43	2156	3.825	ug/l #	40
76) 1,2,3-Trichloropropane	12.38	75	86718	25.144	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	86718	73.431	ug/l #	13
95) Naphthalene	15.12	128	586	4.072	ug/l #	69

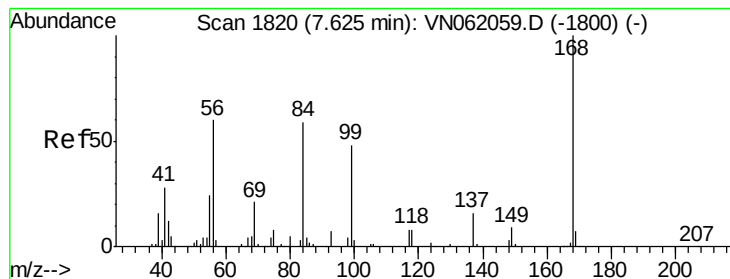
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN062620\
Data File : VN062167.D
Acq On : 27 Jun 2020 3:04
Operator : JC/MD
Sample : L2815-15
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampled :
OR-02-062420

Quant Time: Jun 27 03:51:21 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 24 15:33:00 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: VN062167.D

Acq: 27 Jun 2020 3:04

Instrument :

MSVOA_N

ClientSampleId :

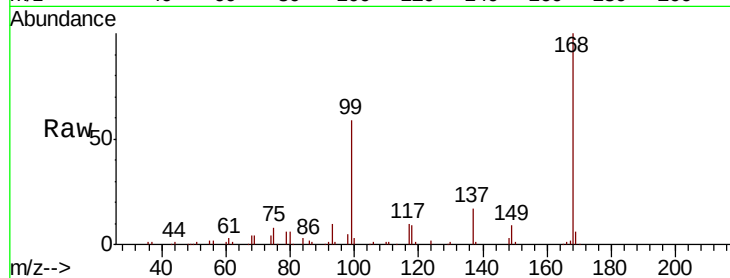
OR-02-062420

Tot Ion:168 Resp: 216117

Ion Ratio Lower Upper

168 100

99 58.9 45.8 68.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

100000

80000

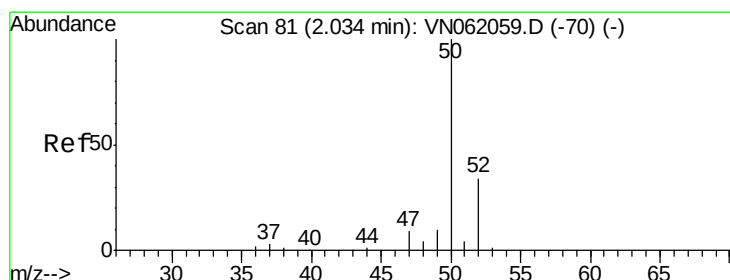
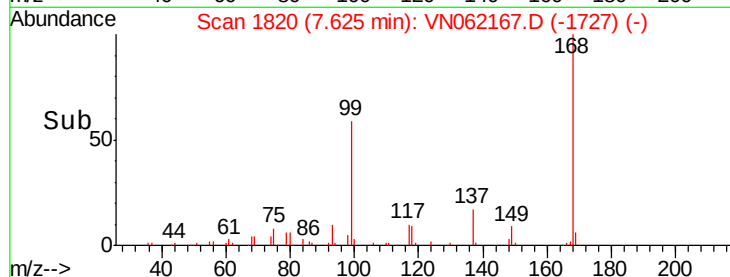
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.04 min Scan# 83

Delta R.T. 0.01 min

Lab File: VN062167.D

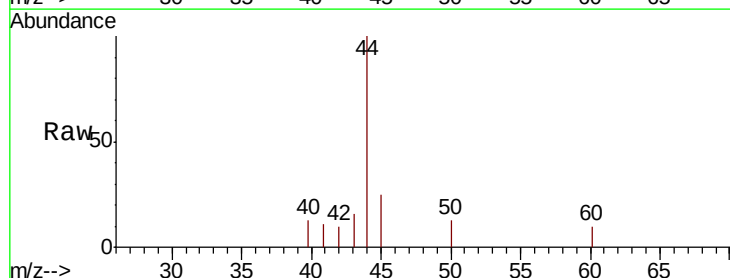
Acq: 27 Jun 2020 3:04

Tgt Ion: 50 Resp: 223

Ion Ratio Lower Upper

50 100

52 0.0 27.0 40.6#



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

250

200

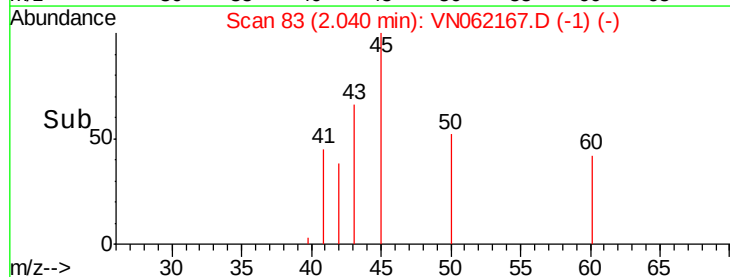
150

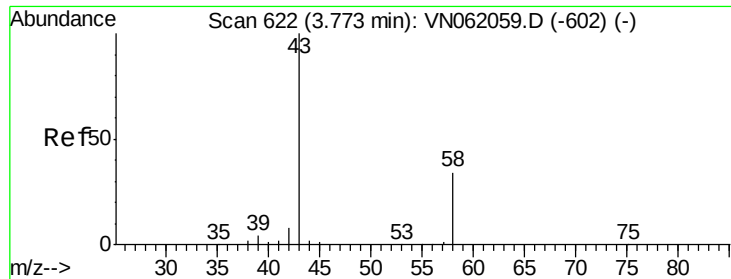
100

50

0

Time-->





#16

Acetone

Concen: 8.573 ug/l

RT: 3.79 min Scan# 626

Delta R.T. 0.01 min

Lab File: VN062167.D

Acq: 27 Jun 2020 3:04

Instrument :

MSVOA_N

ClientSampleId :

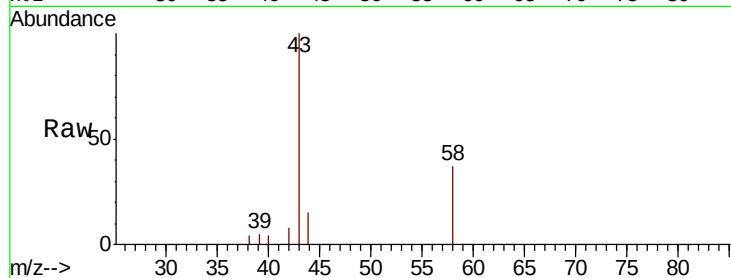
OR-02-062420

Tot Ion: 43 Resp: 11885

Ion Ratio Lower Upper

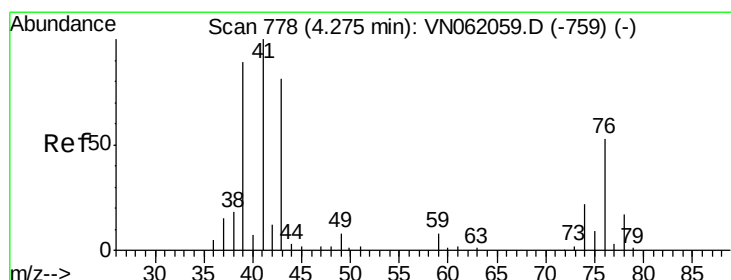
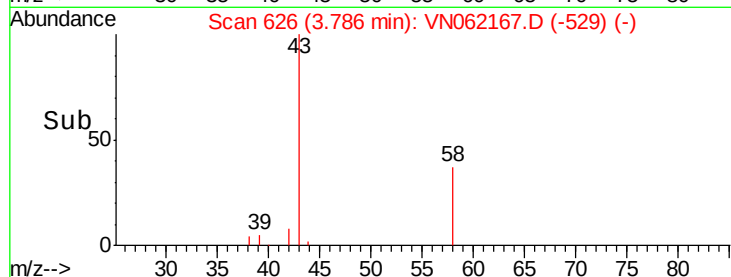
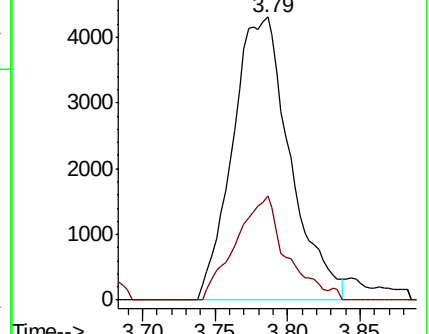
43 100

58 36.8 27.5 41.3



Abundance Ion 43.00 (42.70 to 43.70): VN062059.D (-602) (-)

Ion 58.00 (57.70 to 58.70): VN062059.D (-602) (-)



#18

Methyl Acetate

Concen: 1.740 ug/l

RT: 4.29 min Scan# 783

Delta R.T. 0.02 min

Lab File: VN062167.D

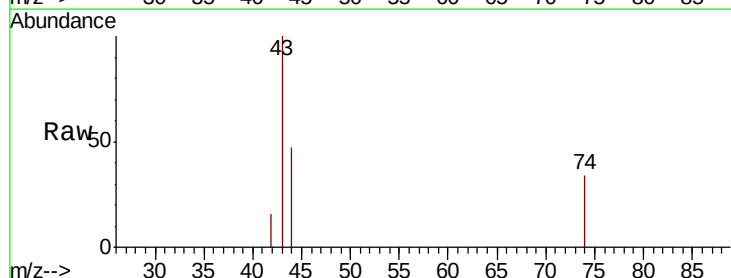
Acq: 27 Jun 2020 3:04

Tgt Ion: 43 Resp: 4195

Ion Ratio Lower Upper

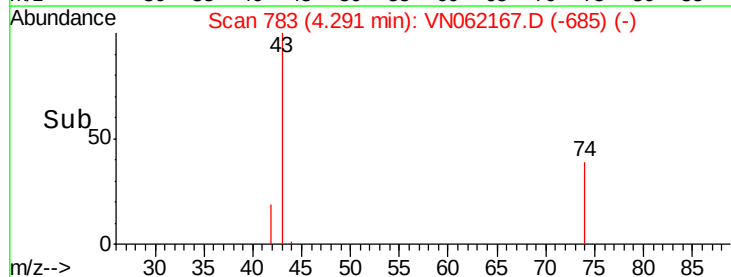
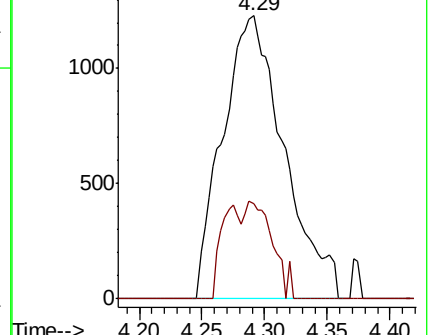
43 100

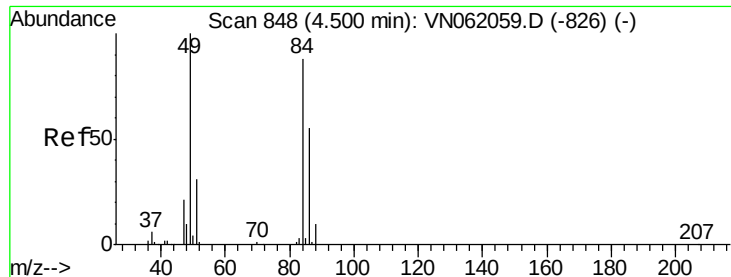
74 10.8 22.9 34.3#



Abundance Ion 43.00 (42.70 to 43.70): VN062059.D (-759) (-)

Ion 74.00 (73.70 to 74.70): VN062059.D (-759) (-)

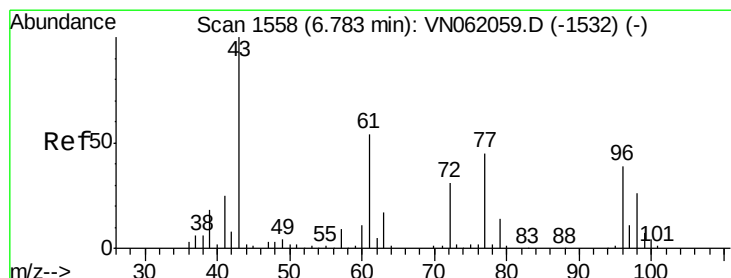
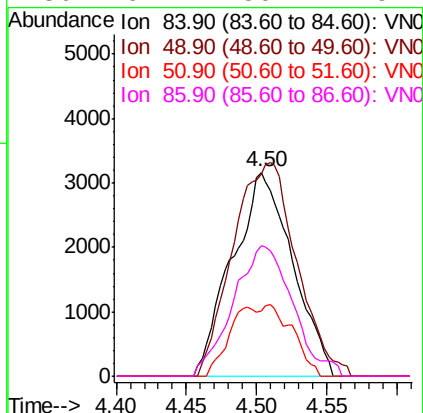
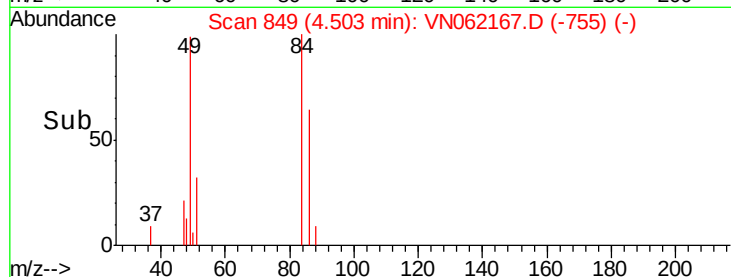
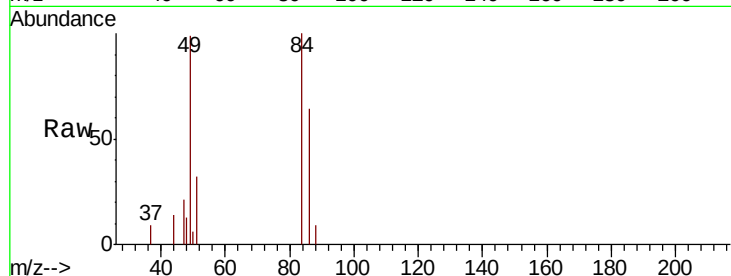




#20
Methvlene Chloride
Concen: 3.175 ug/l
RT: 4.50 min Scan# 849
Delta R.T. 0.00 min
Lab File: VN062167.D
Acq: 27 Jun 2020 3:04

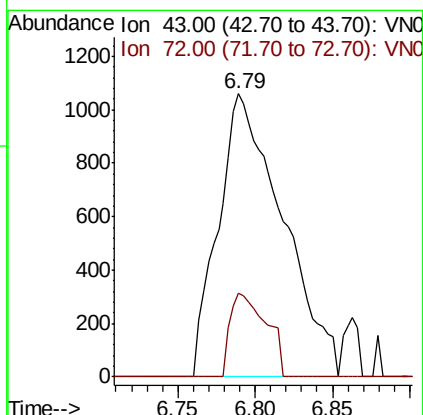
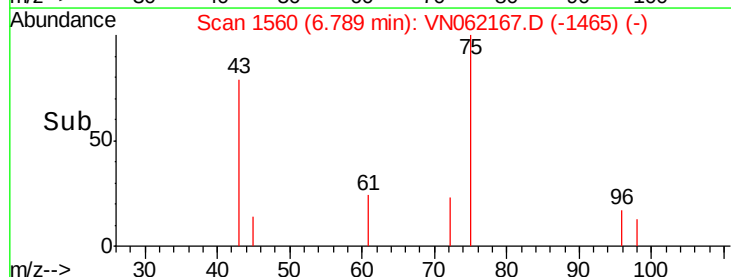
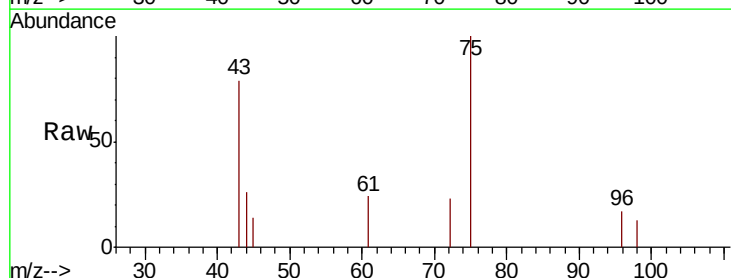
Instrument :
MSVOA_N
ClientSampleId :
OR-02-062420

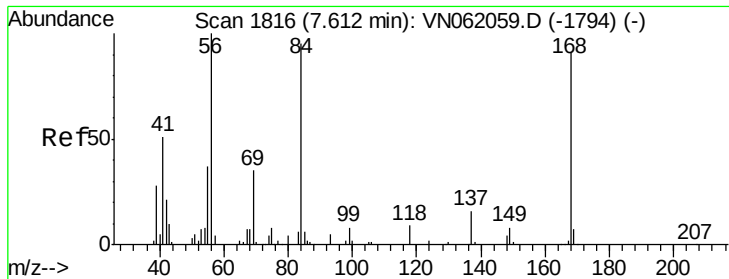
Tot Ion:	84	Resp:	9406
Ion	Ratio	Lower	Upper
84	100		
49	99.5	90.6	136.0
51	32.0	27.8	41.8
86	64.4	50.1	75.1



#25
2-Butanone
Concen: 2.059 ug/l
RT: 6.79 min Scan# 1560
Delta R.T. 0.01 min
Lab File: VN062167.D
Acq: 27 Jun 2020 3:04

Tgt Ion:	43	Resp:	3052
Ion	Ratio	Lower	Upper
43	100		
72	29.6	24.8	37.2

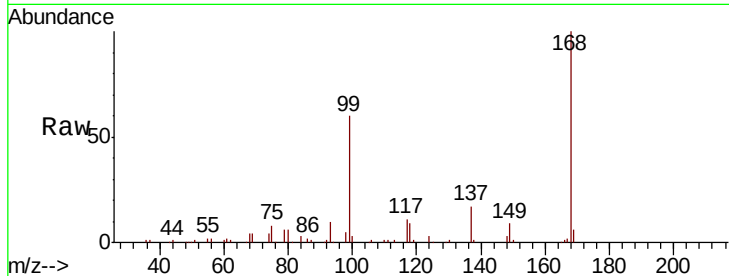




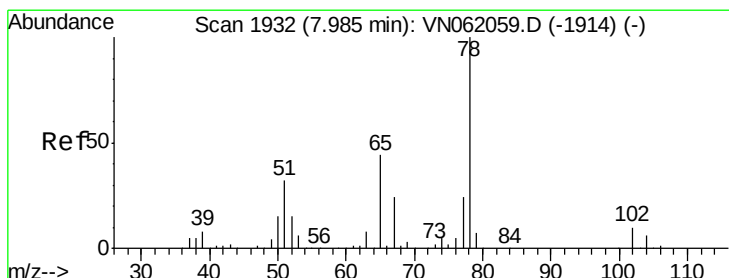
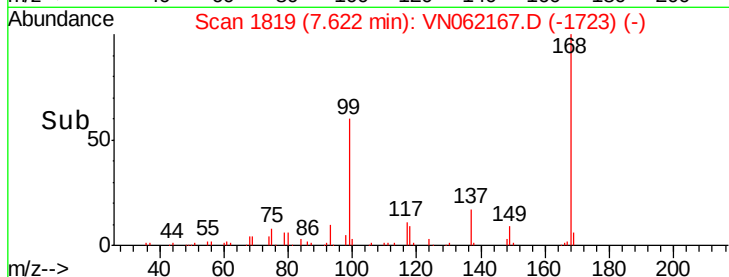
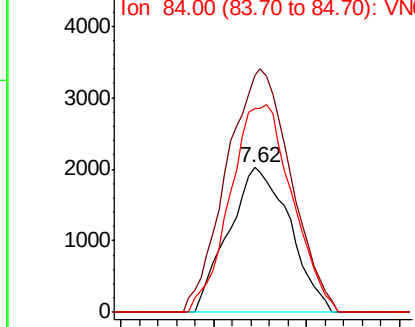
#31
Cyclohexane
Concen: 1.105 ug/l
RT: 7.62 min Scan# 1819
Delta R.T. 0.01 min
Lab File: VN062167.D
Acq: 27 Jun 2020 3:04

Instrument :
MSVOA_N
ClientSampleId :
OR-02-062420

Tot Ion: 56 Resp: 4629
Ion Ratio Lower Upper
56 100
69 163.8 28.0 42.0#
84 141.5 76.1 114.1#

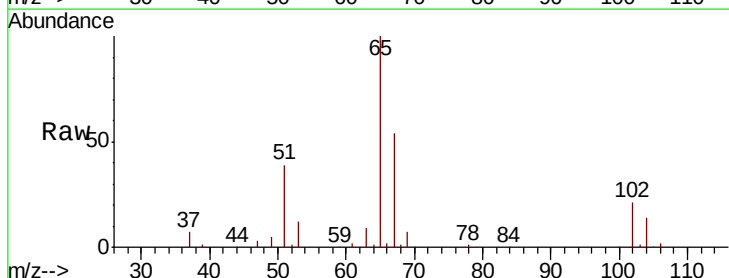


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

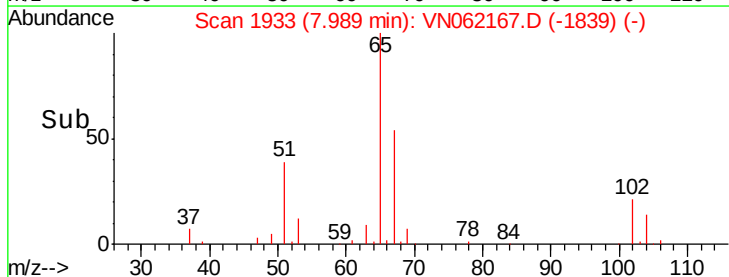
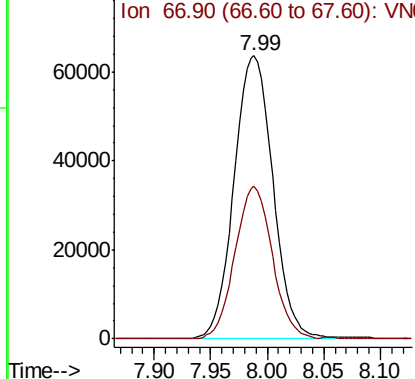


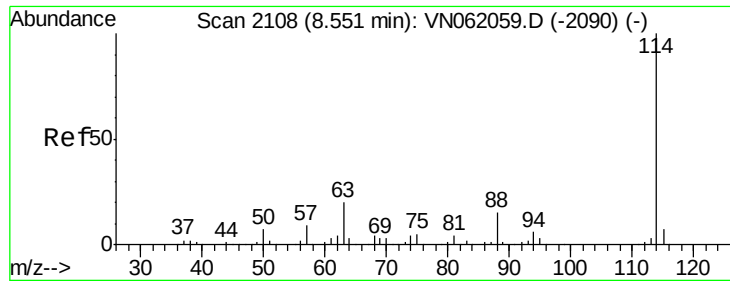
#33
1,2-Dichloroethane-d4
Concen: 50.297 ug/l
RT: 7.99 min Scan# 1933
Delta R.T. 0.00 min
Lab File: VN062167.D
Acq: 27 Jun 2020 3:04

Tgt Ion: 65 Resp: 152543
Ion Ratio Lower Upper
65 100
67 51.7 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

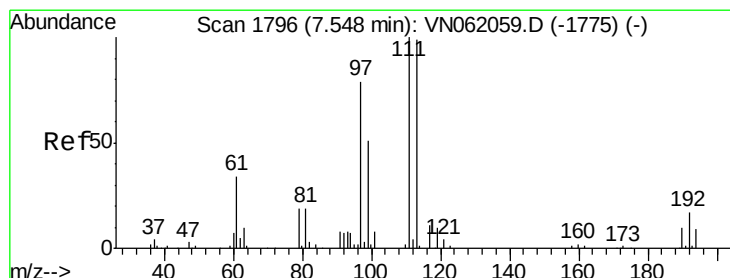
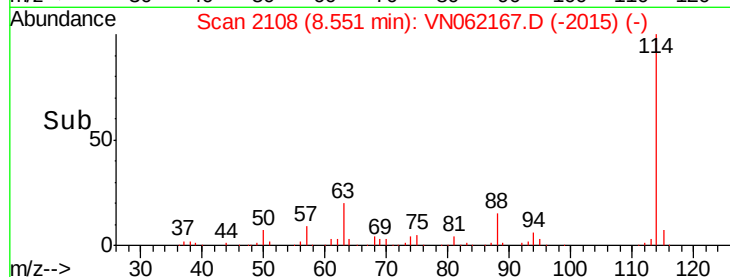
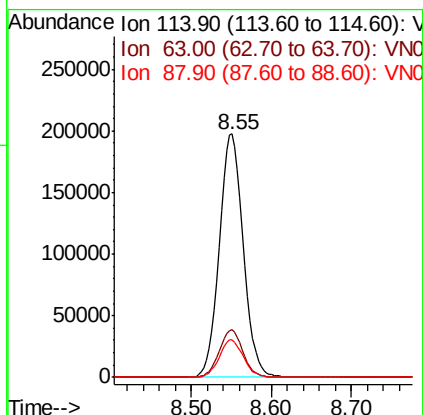
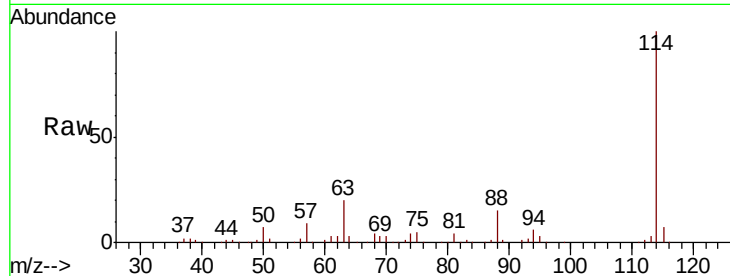




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062167.D
 Acq: 27 Jun 2020 3:04

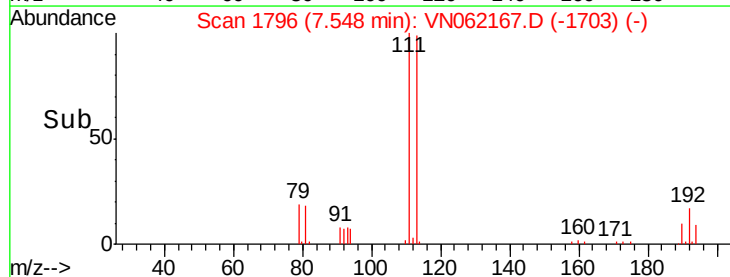
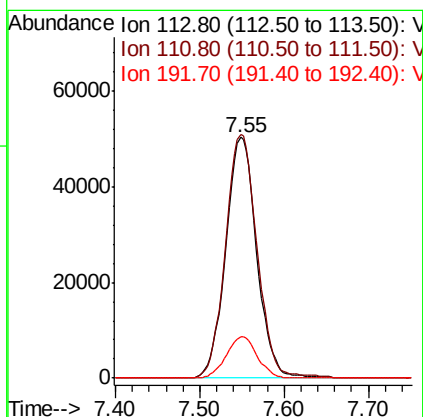
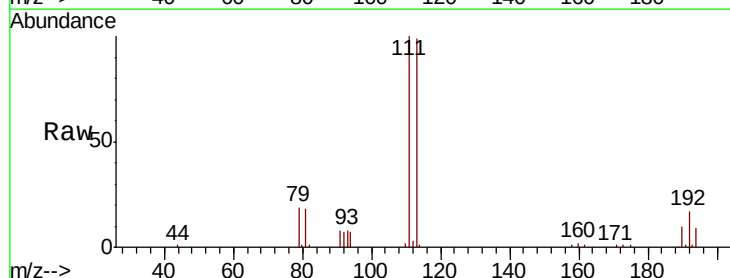
Instrument :
 MSVOA_N
 ClientSampleId :
 OR-02-062420

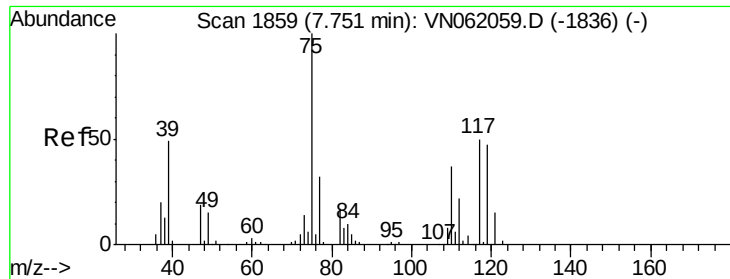
Tot Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	39.2
88	15.3	0.0	30.8



#35
 Dibromofluoromethane
 Concen: 48.778 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN062167.D
 Acq: 27 Jun 2020 3:04

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.4	82.2	123.4
192	17.1	14.0	21.0

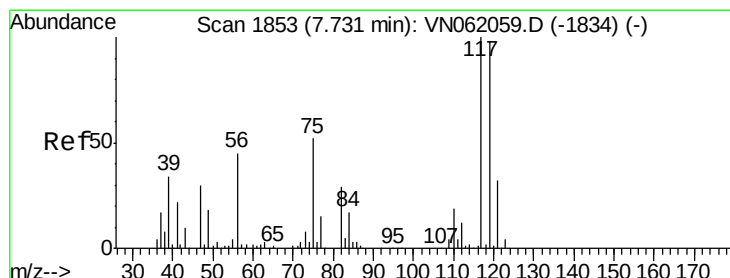
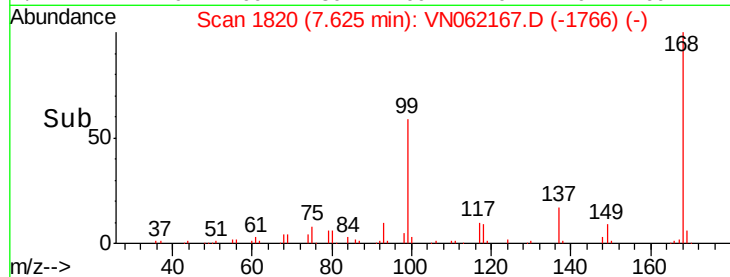
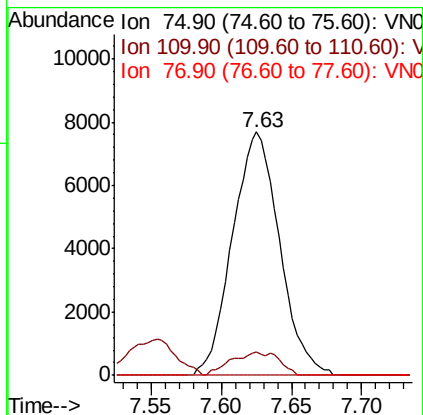
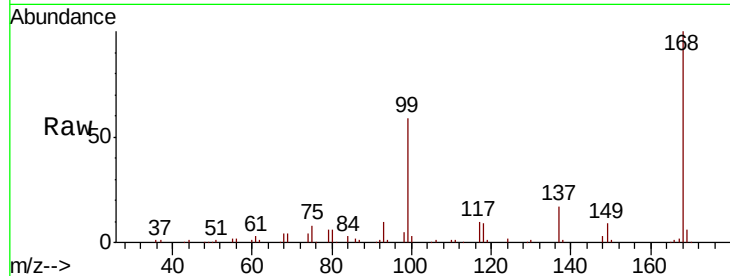




#36
 1,1-Dichloropropene
 Concen: 4.351 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN062167.D
 Acq: 27 Jun 2020 3:04

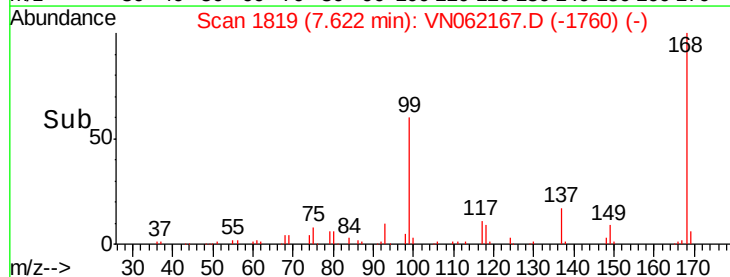
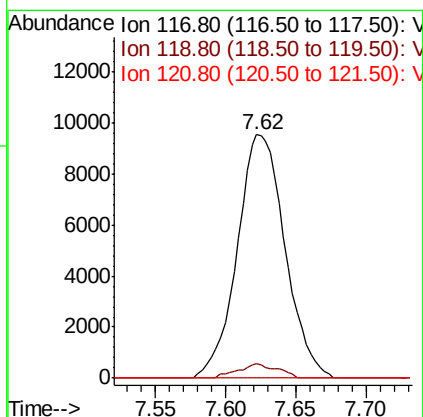
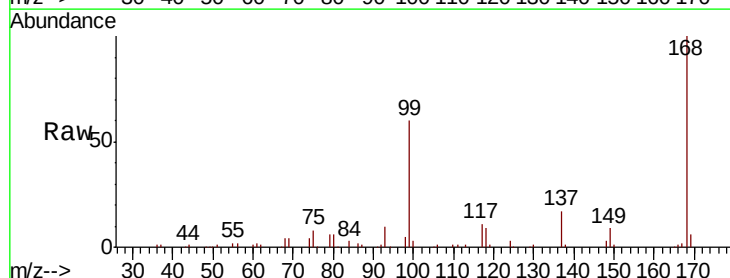
Instrument :
 MSVOA_N
 ClientSampleId :
 OR-02-062420

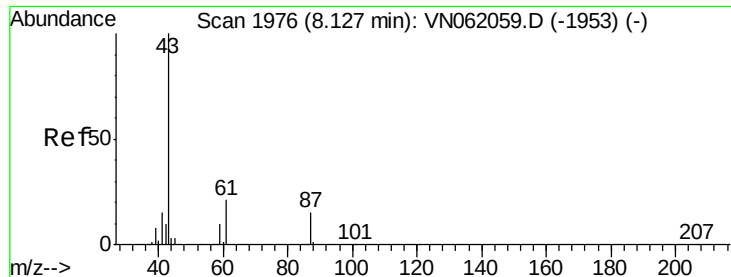
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.7	17.9	53.8#
77	0.0	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 5.802 ug/l
 RT: 7.62 min Scan# 1819
 Delta R.T. -0.11 min
 Lab File: VN062167.D
 Acq: 27 Jun 2020 3:04

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.0	78.2	117.2#
121	0.0	25.8	38.6#





#43

Isopropyl Acetate

Concen: 8.386 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. -0.00 min

Lab File: VN062167.D

Acq: 27 Jun 2020 3:04

Instrument :

MSVOA_N

ClientSampled :

OR-02-062420

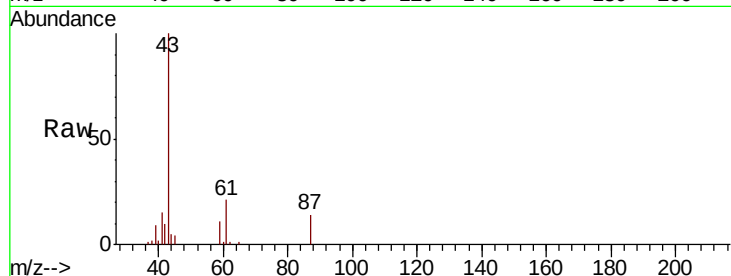
Tot Ion: 43 Resp: 46698

Ion Ratio Lower Upper

43 100

61 20.3 17.2 25.8

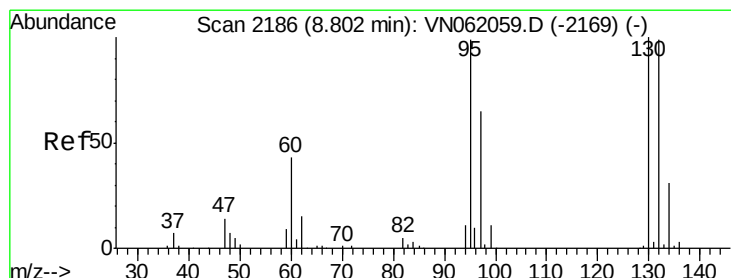
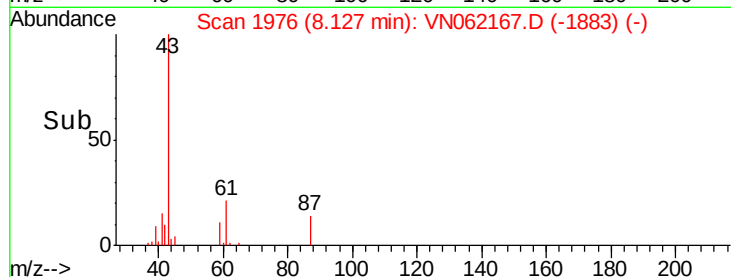
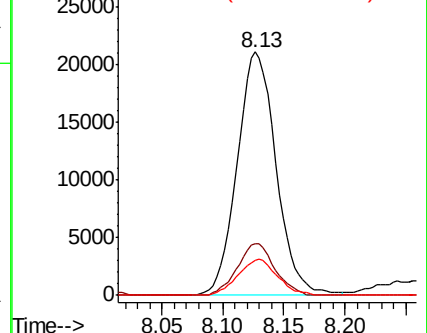
87 14.9 12.1 18.1



Abundance Ion 43.00 (42.70 to 43.70): VN062059.D (-1953) (-)

Ion 61.00 (60.70 to 61.70): VN062059.D (-1953) (-)

Ion 87.00 (86.70 to 87.70): VN062059.D (-1953) (-)



#44

Trichloroethene

Concen: 0.278 ug/l

RT: 8.81 min Scan# 2188

Delta R.T. 0.01 min

Lab File: VN062167.D

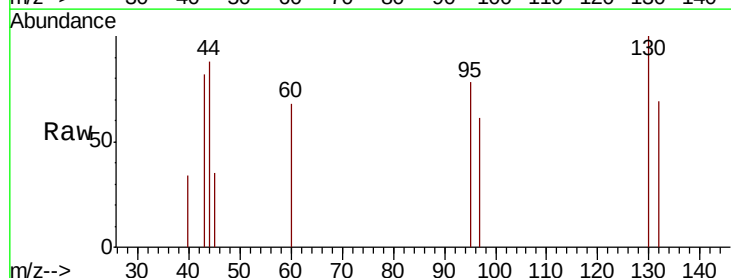
Acq: 27 Jun 2020 3:04

Tgt Ion: 130 Resp: 883

Ion Ratio Lower Upper

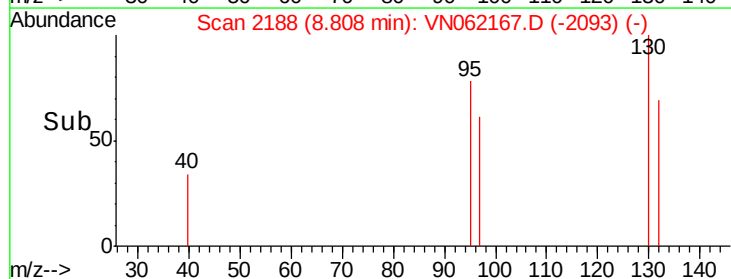
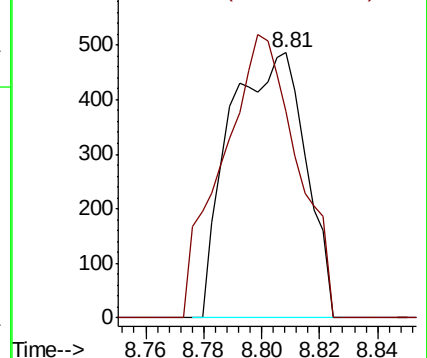
130 100

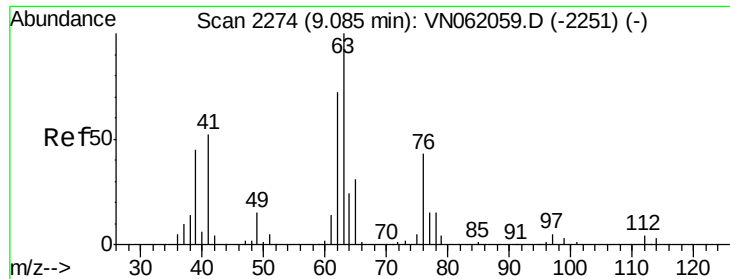
95 78.0 0.0 197.8



Abundance Ion 129.80 (129.50 to 130.50): VN062059.D (-2169) (-)

Ion 94.90 (94.60 to 95.60): VN062059.D (-2169) (-)

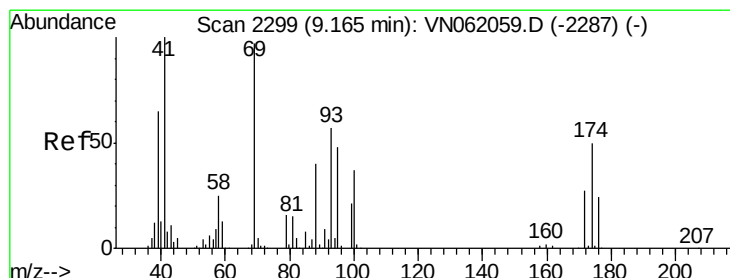
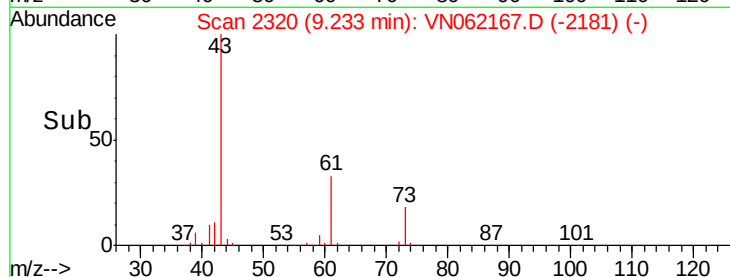
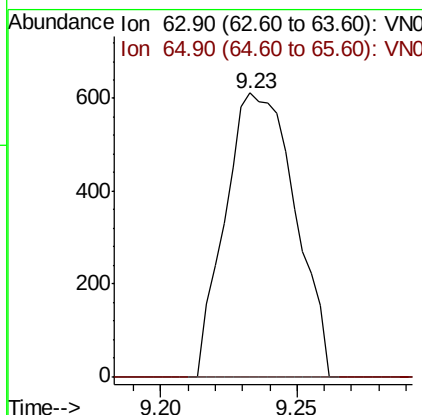
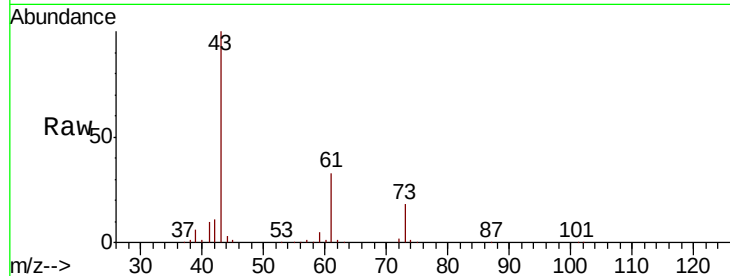




#45
 1,2-Dichloropropane
 Concen: 0.349 ug/l
 RT: 9.23 min Scan# 2320
 Delta R.T. 0.15 min
 Lab File: VN062167.D
 Acq: 27 Jun 2020 3:04

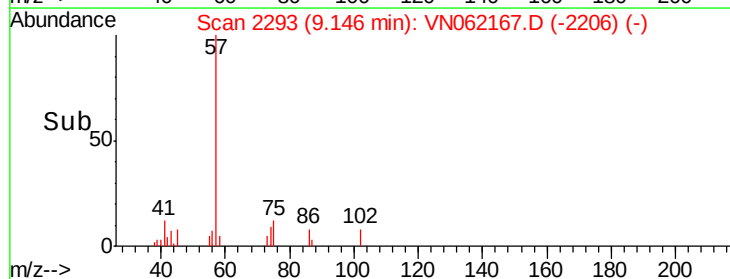
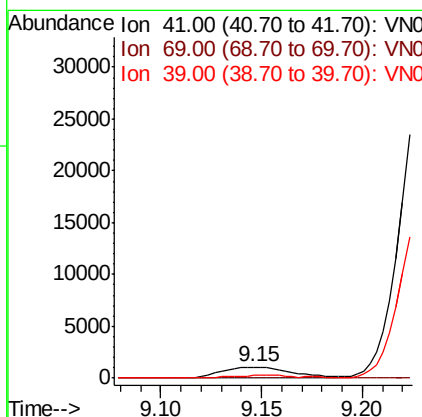
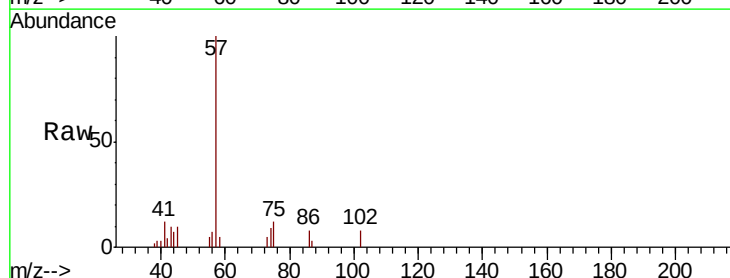
Instrument :
 MSVOA_N
 ClientSampleId :
 OR-02-062420

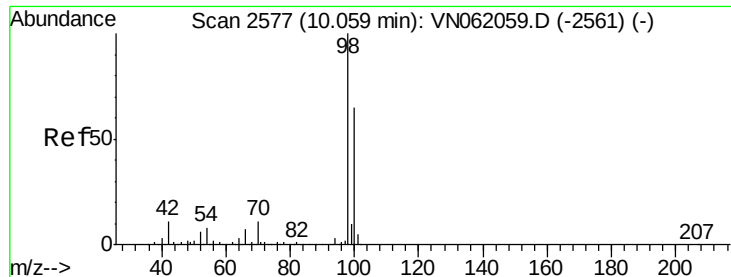
Tot Ion: 63 Resp: 1083
 Ion Ratio Lower Upper
 63 100
 65 0.0 25.0 37.4#



#48
 Methyl methacrylate
 Concen: 1.040 ug/l
 RT: 9.15 min Scan# 2293
 Delta R.T. -0.02 min
 Lab File: VN062167.D
 Acq: 27 Jun 2020 3:04

Tgt Ion: 41 Resp: 2596
 Ion Ratio Lower Upper
 41 100
 69 0.0 80.7 121.1#
 39 0.0 54.5 81.7#

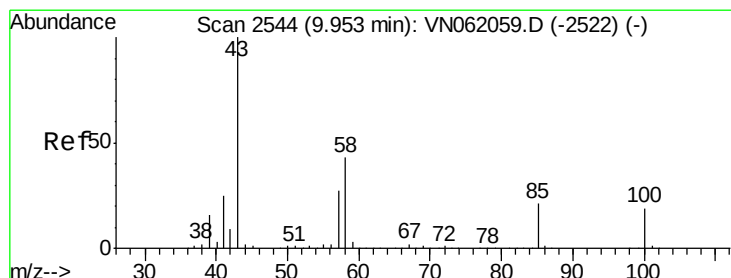
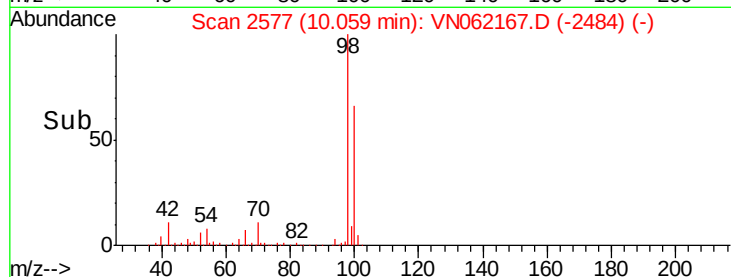
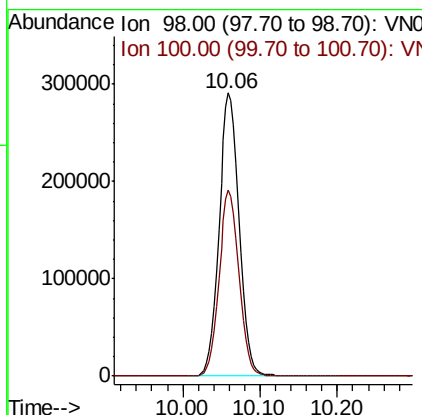
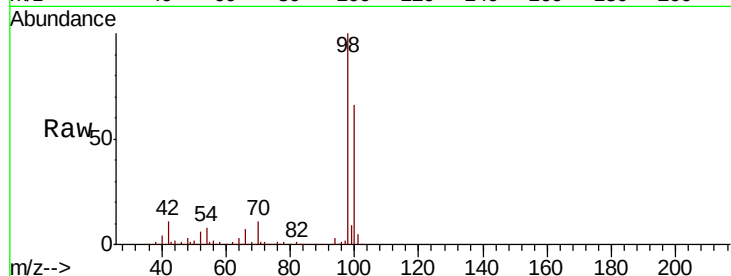




#50
Toluene-d8
Concen: 50.199 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062167.D
Acq: 27 Jun 2020 3:04

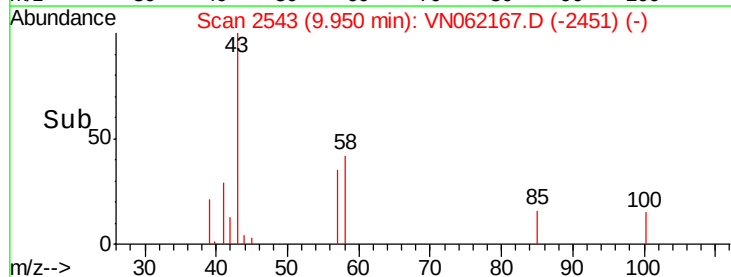
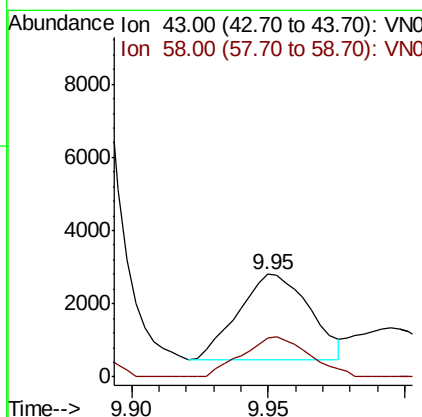
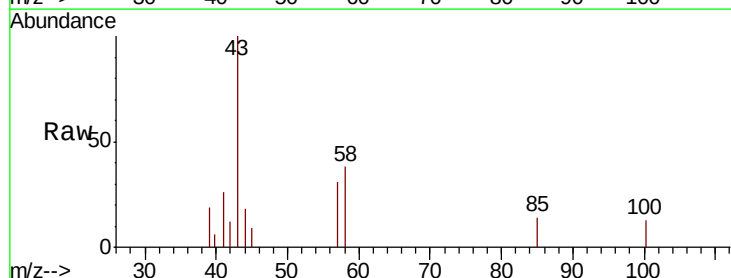
Instrument :
MSVOA_N
ClientSampleId :
OR-02-062420

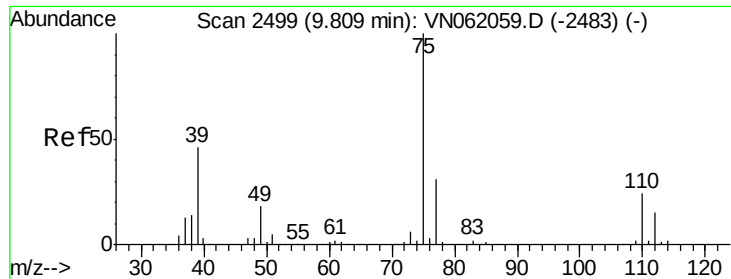
Tot Ion: 98 Resp: 528340
Ion Ratio Lower Upper
98 100
100 65.2 51.2 76.8



#51
4-Methyl-2-Pentanone
Concen: 1.313 ug/l
RT: 9.95 min Scan# 2543
Delta R.T. -0.00 min
Lab File: VN062167.D
Acq: 27 Jun 2020 3:04

Tgt Ion: 43 Resp: 4272
Ion Ratio Lower Upper
43 100
58 43.9 34.2 51.2

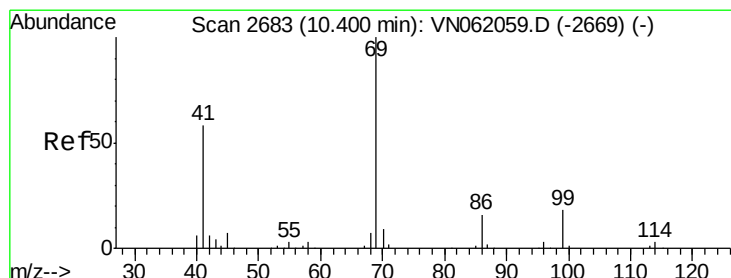
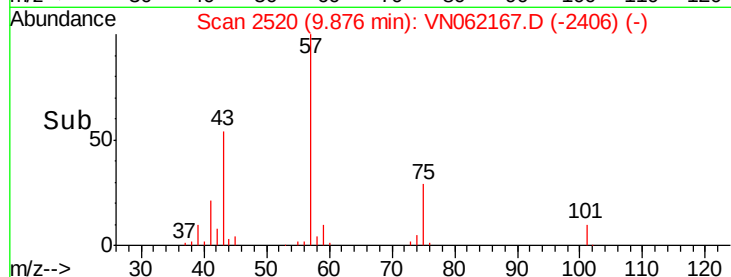
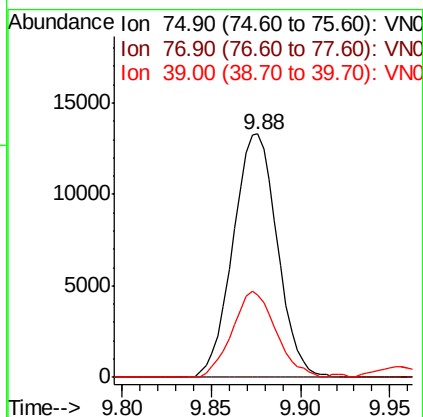
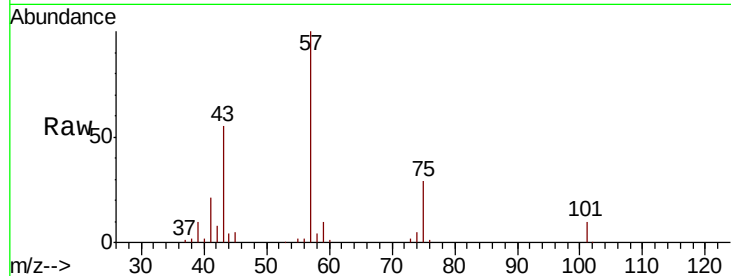




#54
 cis-1,3-Dichloropropene
 Concen: 4.637 ug/l
 RT: 9.88 min Scan# 2520
 Delta R.T. 0.07 min
 Lab File: VN062167.D
 Acq: 27 Jun 2020 3:04

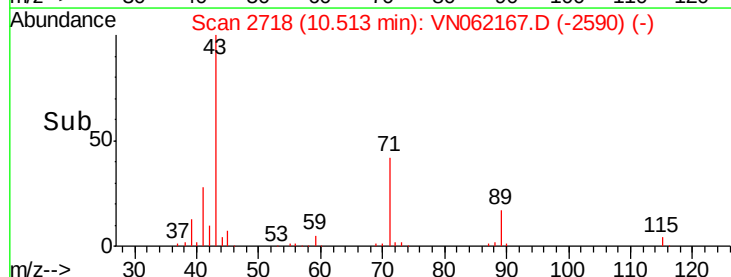
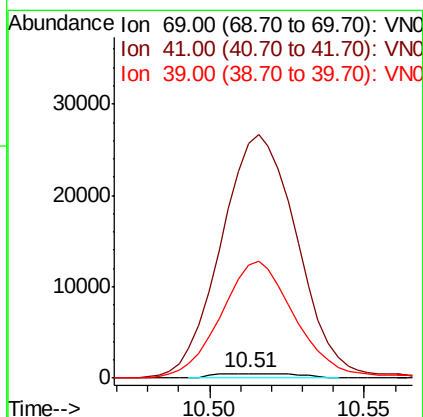
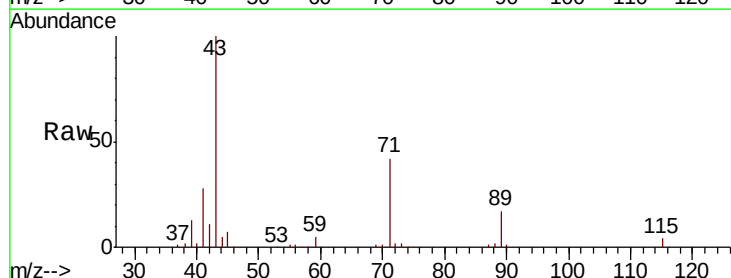
Instrument :
 MSVOA_N
 ClientSampleId :
 OR-02-062420

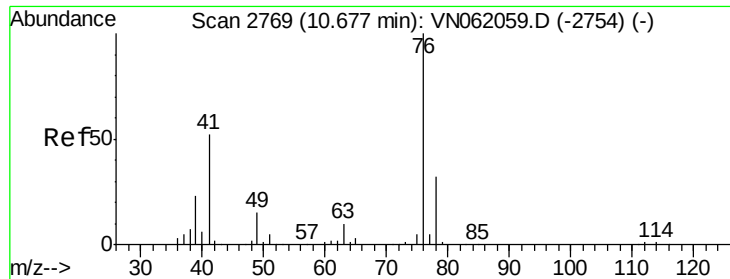
Tot Ion: 75 Resp: 23063
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.6#
 39 33.9 36.9 55.3#



#56
 Ethyl methacrylate
 Concen: 0.238 ug/l
 RT: 10.51 min Scan# 2718
 Delta R.T. 0.11 min
 Lab File: VN062167.D
 Acq: 27 Jun 2020 3:04

Tgt Ion: 69 Resp: 957
 Ion Ratio Lower Upper
 69 100
 41 4828.6 46.6 70.0#
 39 2239.6 31.0 46.4#

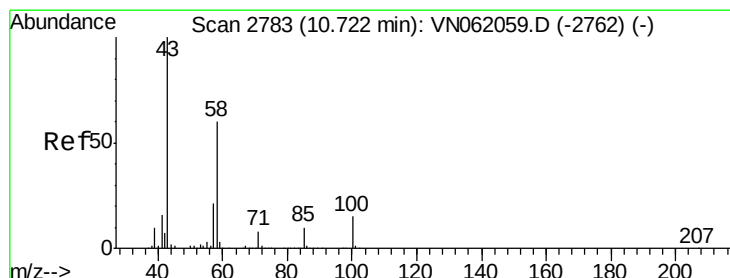
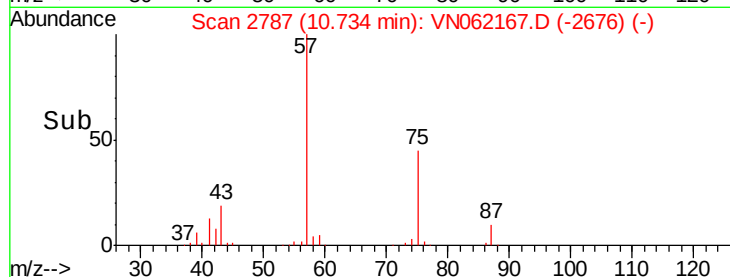
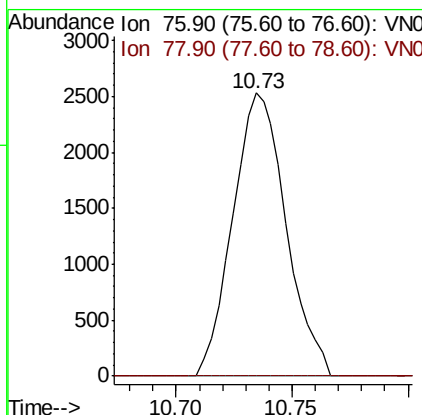
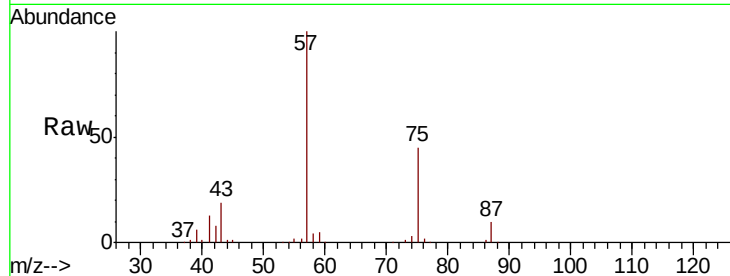




#57
 1,3-Dichloropropane
 Concen: 0.777 ug/l
 RT: 10.73 min Scan# 2787
 Delta R.T. 0.06 min
 Lab File: VN062167.D
 Acq: 27 Jun 2020 3:04

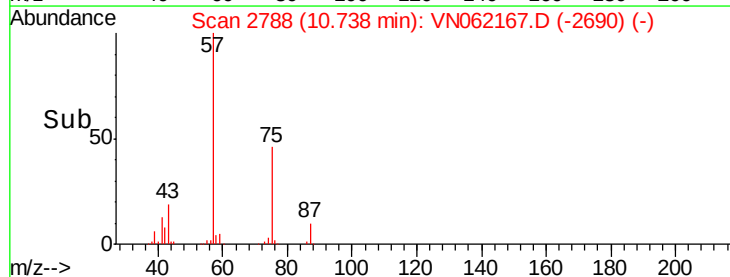
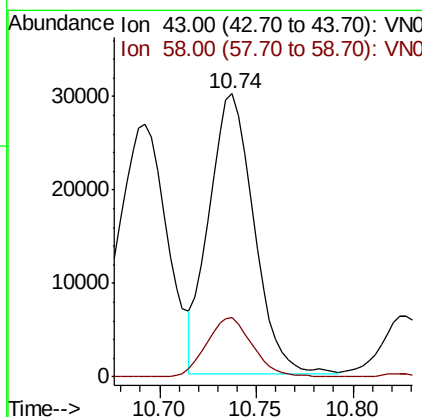
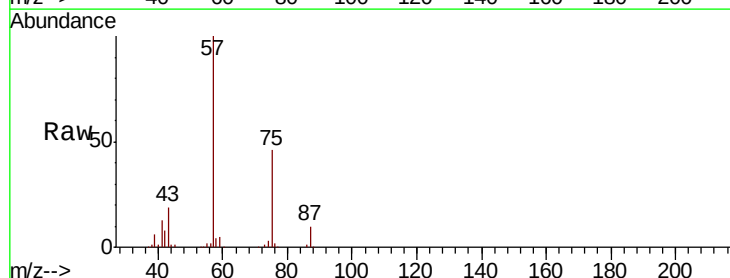
Instrument :
 MSVOA_N
 ClientSampleId :
 OR-02-062420

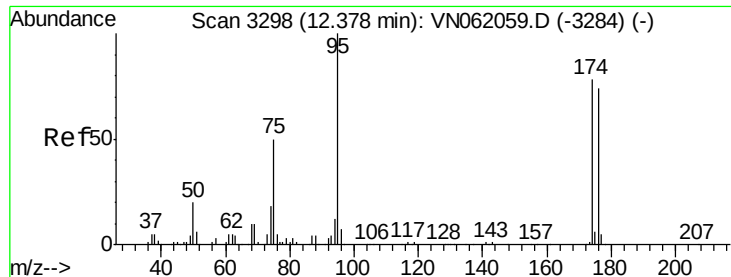
Tot Ion: 76 Resp: 4034
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.8#



#59
 2-Hexanone
 Concen: 20.706 ug/l
 RT: 10.74 min Scan# 2788
 Delta R.T. 0.02 min
 Lab File: VN062167.D
 Acq: 27 Jun 2020 3:04

Tgt Ion: 43 Resp: 48646
 Ion Ratio Lower Upper
 43 100
 58 21.5 29.5 88.5#

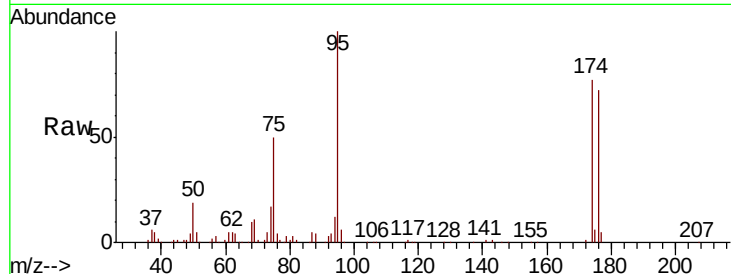




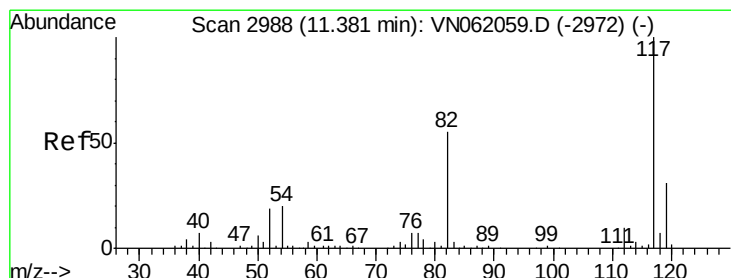
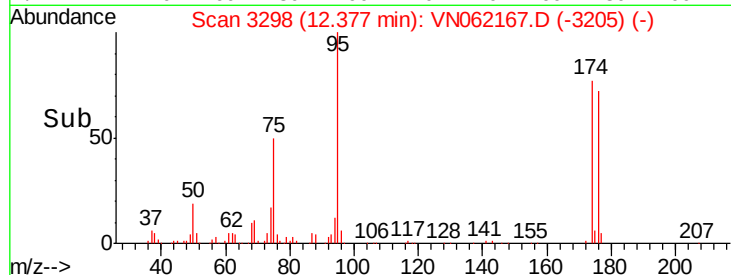
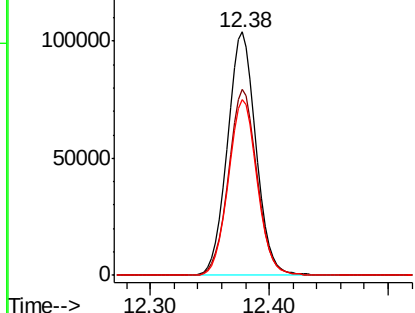
#62
4-Bromofluorobenzene
Concen: 48.443 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.00 min
Lab File: VN062167.D
Acq: 27 Jun 2020 3:04

Instrument :
MSVOA_N
ClientSampled :
OR-02-062420

Tot Ion: 95 Resp: 172260
Ion Ratio Lower Upper
95 100
174 76.6 0.0 154.8
176 73.2 0.0 147.4

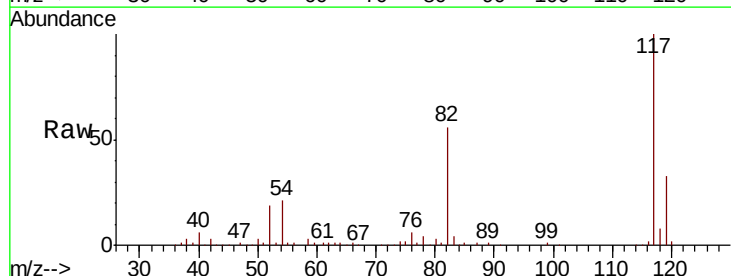


Abundance Ion 94.90 (94.60 to 95.60): VN062167.D (-3205) (-)
Ion 173.80 (173.50 to 174.50): VN062167.D (-3205) (-)
Ion 175.80 (175.50 to 176.50): VN062167.D (-3205) (-)

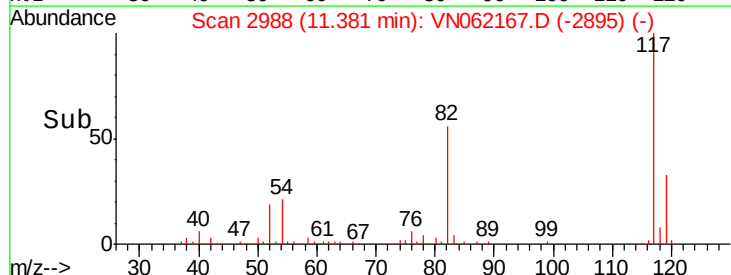
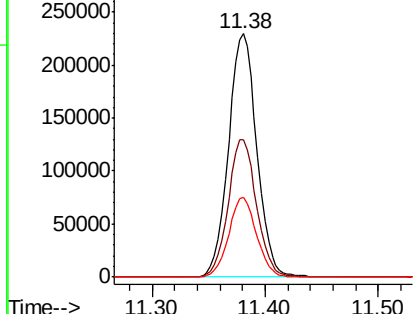


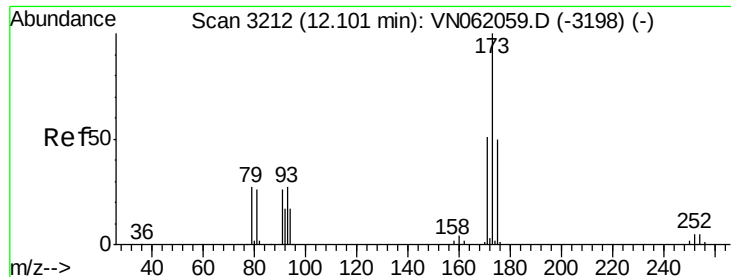
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062167.D
Acq: 27 Jun 2020 3:04

Tgt Ion: 117 Resp: 399631
Ion Ratio Lower Upper
117 100
82 56.3 43.8 65.8
119 32.6 25.2 37.8



Abundance Ion 116.90 (116.60 to 117.60): VN062167.D (-2895) (-)
Ion 82.00 (81.70 to 82.70): VN062167.D (-2895) (-)
Ion 118.90 (118.60 to 119.60): VN062167.D (-2895) (-)





#71

Bromoform

Concen: 0.301 ug/l

RT: 12.37 min Scan# 3296

Delta R.T. 0.27 min

Lab File: VN062167.D

Acq: 27 Jun 2020 3:04

Instrument :

MSVOA_N

ClientSampleId :

OR-02-062420

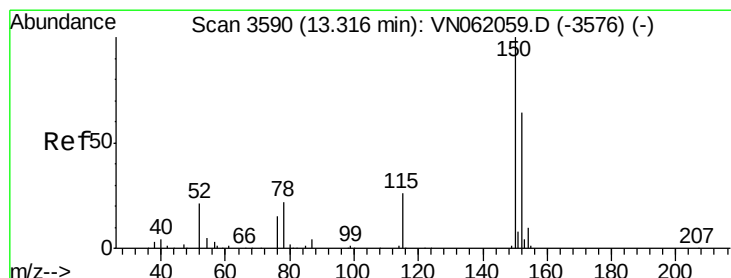
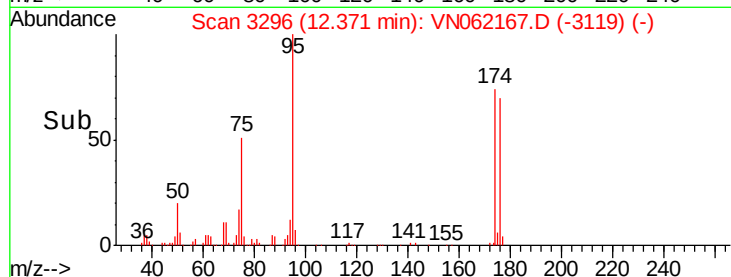
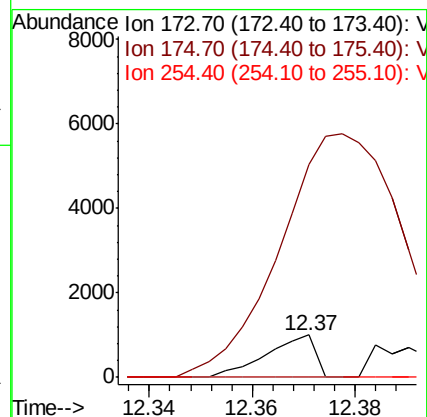
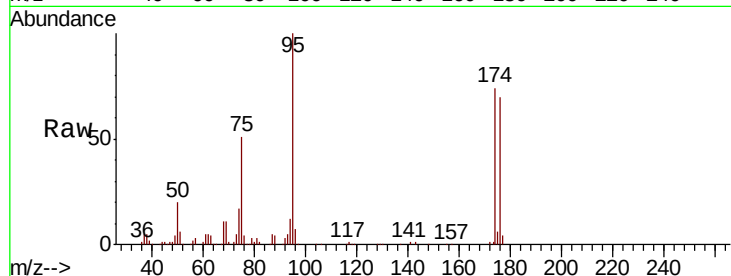
Tot Ion:173 Resp: 649

Ion Ratio Lower Upper

173 100

175 1259.5 24.7 74.1#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062167.D

Acq: 27 Jun 2020 3:04

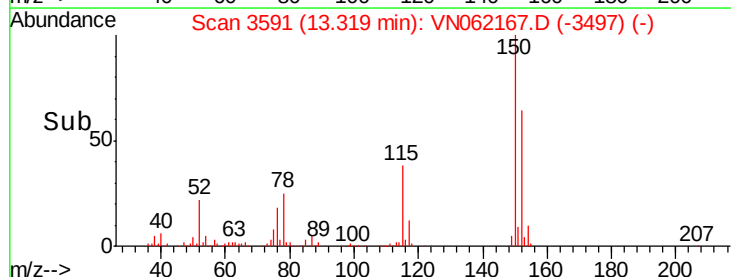
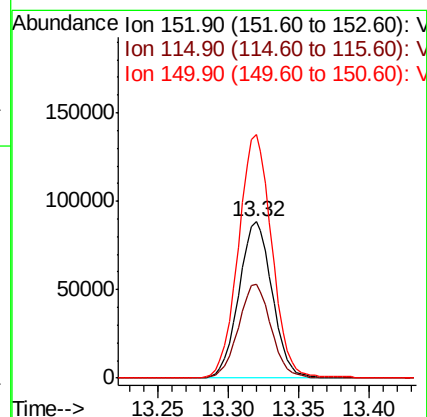
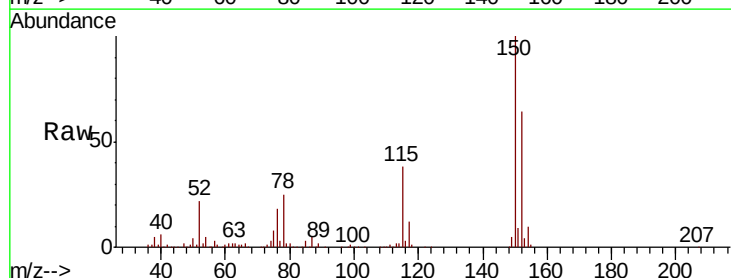
Tgt Ion:152 Resp: 146504

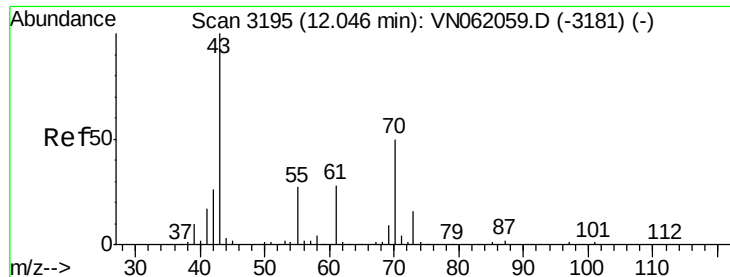
Ion Ratio Lower Upper

152 100

115 59.3 29.5 88.5

150 156.5 0.0 351.4





#74

N-amvl acetate

Concen: 3.825 ug/l

RT: 12.00 min Scan# 3182

Delta R.T. -0.04 min

Lab File: VN062167.D

Acq: 27 Jun 2020 3:04

Instrument :

MSVOA_N

ClientSampleId :

OR-02-062420

Tot Ion: 43 Resp: 2156

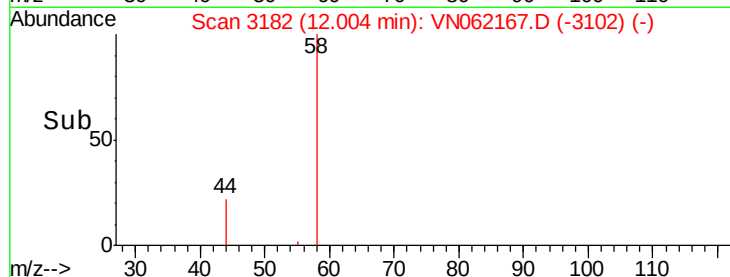
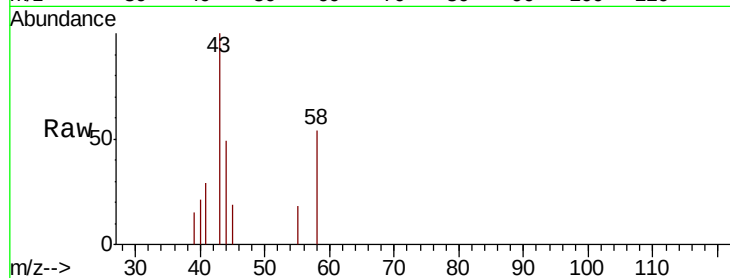
Ion Ratio Lower Upper

43 100

70 0.0 39.4 59.2#

55 3.2 21.7 32.5#

61 0.0 21.3 31.9#

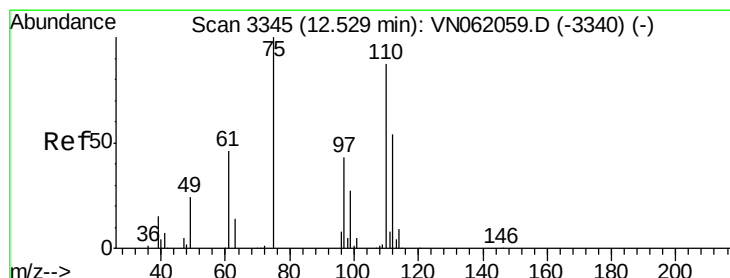
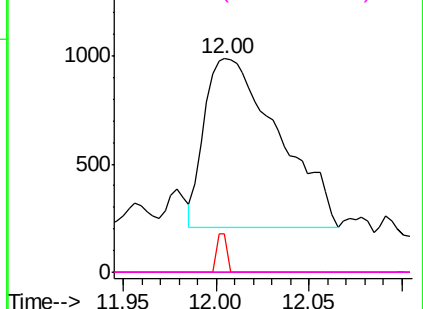


Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 25.144 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062167.D

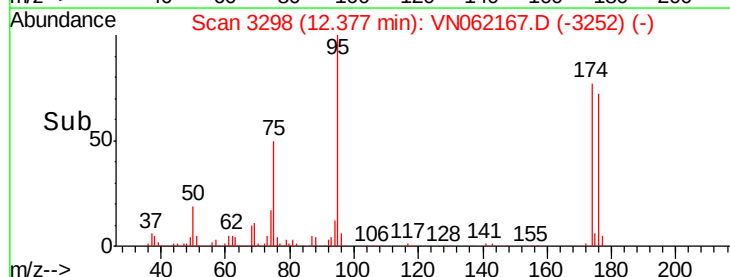
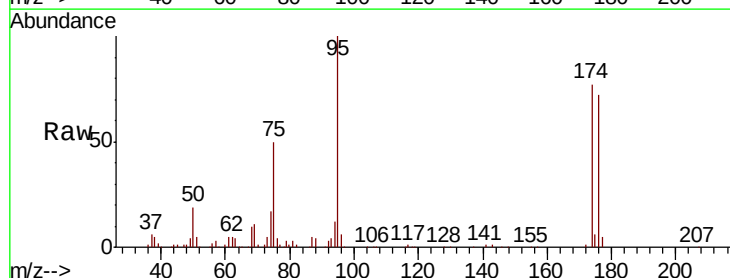
Acq: 27 Jun 2020 3:04

Tgt Ion: 75 Resp: 86718

Ion Ratio Lower Upper

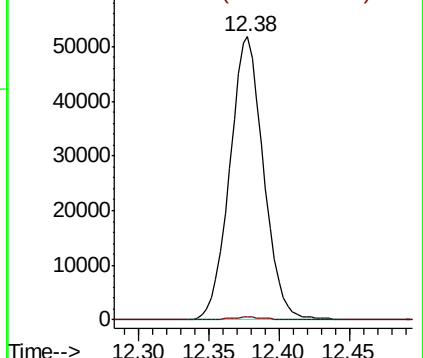
75 100

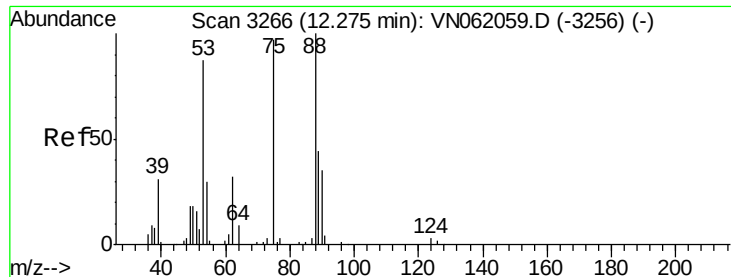
77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#81

trans-1,4-Dichloro-2-butene

Concen: 73.431 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062167.D

Acq: 27 Jun 2020 3:04

Instrument :

MSVOA_N

ClientSampleId :

OR-02-062420

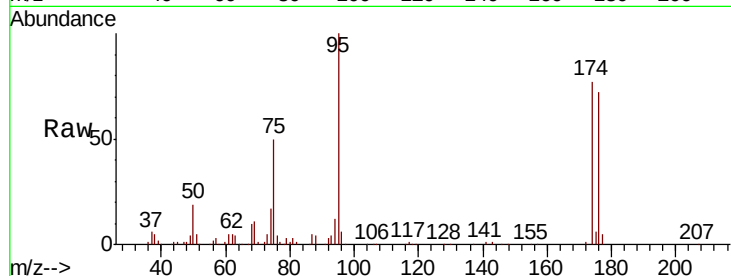
Tot Ion: 75 Resp: 86718

Ion Ratio Lower Upper

75 100

53 0.0 72.0 108.0#

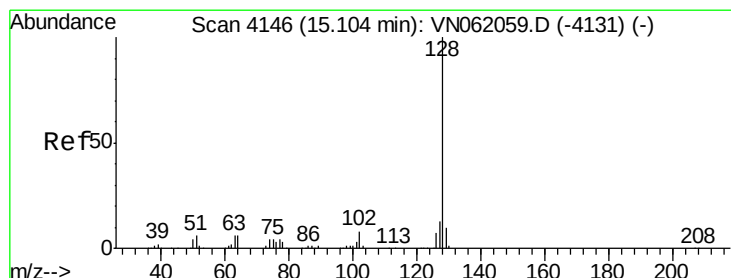
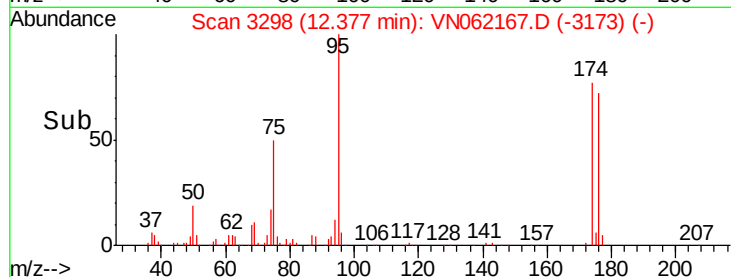
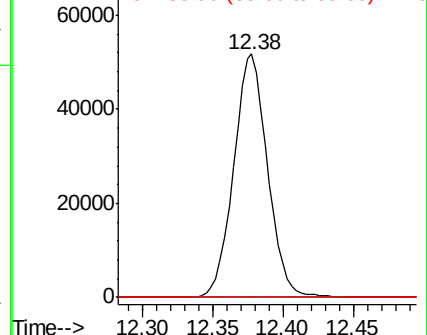
89 0.0 36.9 55.3#



Abundance Ion 74.90 (74.60 to 75.60): VN062167.D (-3173) (-)

Ion 53.00 (52.70 to 53.70): VN062167.D (-3173) (-)

Ion 88.90 (88.60 to 89.60): VN062167.D (-3173) (-)



#95

Naphthalene

Concen: 4.072 ug/l

RT: 15.12 min Scan# 4150

Delta R.T. 0.01 min

Lab File: VN062167.D

Acq: 27 Jun 2020 3:04

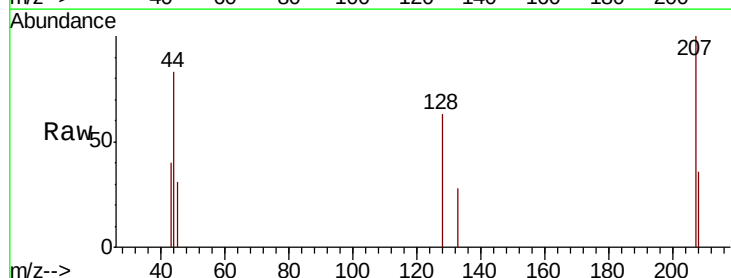
Tgt Ion: 128 Resp: 586

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

129 0.0 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): VN062167.D (-4053) (-)

Ion 127.00 (126.70 to 127.70): VN062167.D (-4053) (-)

Ion 129.00 (128.70 to 129.70): VN062167.D (-4053) (-)

