

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN063020\
 Data File : VN062243.D
 Acq On : 30 Jun 2020 16:38
 Operator : JC/MD
 Sample : L3127-09 200X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 33BR-20200625

Quant Time: Jul 01 03:36:36 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	200630	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	389326	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	374089	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	132676	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	155813	55.34	ug/l	0.00
Spiked Amount			Recovery	=	110.68%	
35) Dibromofluoromethane	7.55	113	124706	49.93	ug/l	0.00
Spiked Amount			Recovery	=	99.86%	
50) Toluene-d8	10.06	98	496796	49.76	ug/l	0.00
Spiked Amount			Recovery	=	99.52%	
62) 4-Bromofluorobenzene	12.38	95	159052	47.15	ug/l	0.00
Spiked Amount			Recovery	=	94.30%	

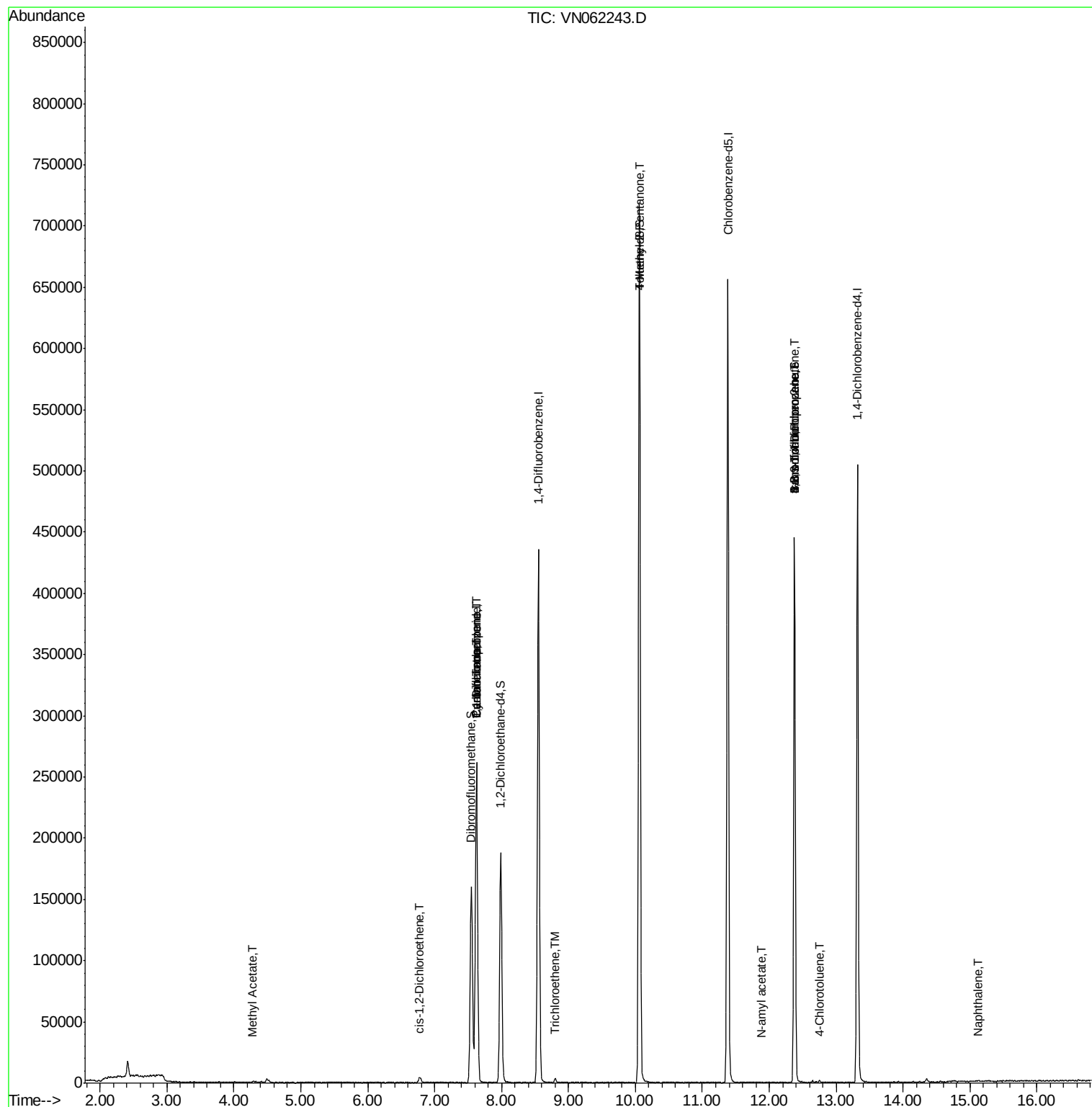
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.03	50	406	Below Cal	#	41
16) Acetone	3.78	43	528	Below Cal	#	64
18) Methyl Acetate	4.28	43	486	0.217	ug/l #	46
20) Methylene Chloride	4.49	84	544	Below Cal	#	79
27) cis-1,2-Dichloroethene	6.78	96	1062	0.360	ug/l	54
31) Cyclohexane	7.63	56	4818	1.239	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	18332	4.685	ug/l #	48
38) Carbon Tetrachloride	7.63	117	20661	5.600	ug/l #	17
44) Trichloroethene	8.80	130	1424	0.473	ug/l	84
51) 4-Methyl-2-Pentanone	10.06	43	2108	0.683	ug/l #	1
71) Bromoform	12.38	173	1390	0.688	ug/l #	1
74) N-amyl acetate	11.89	43	31	3.351	ug/l #	38
76) 1,2,3-Trichloropropane	12.38	75	82394	26.380	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	82394	77.041	ug/l #	13
82) 4-Chlorotoluene	12.75	91	1874	0.255	ug/l	85
95) Naphthalene	15.11	128	702	4.097	ug/l #	69

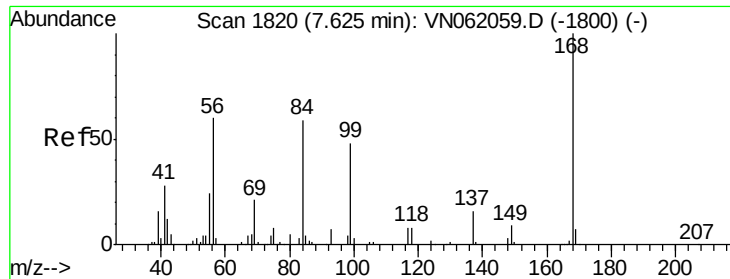
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN062243.D

Acq: 30 Jun 2020 16:38

Instrument :

MSVOA_N

ClientSampleId :

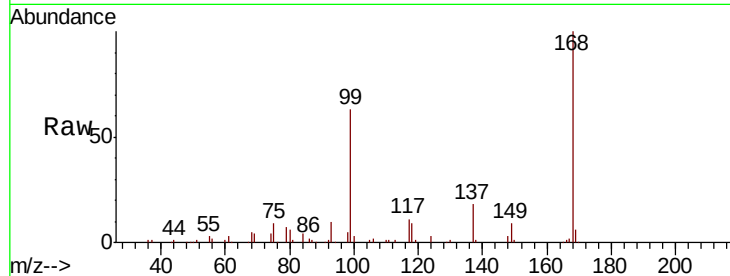
33BR-20200625

Tot Ion:168 Resp: 200630

Ion Ratio Lower Upper

168 100

99 62.6 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

80000

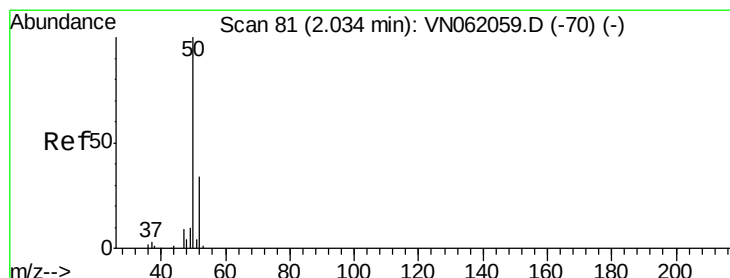
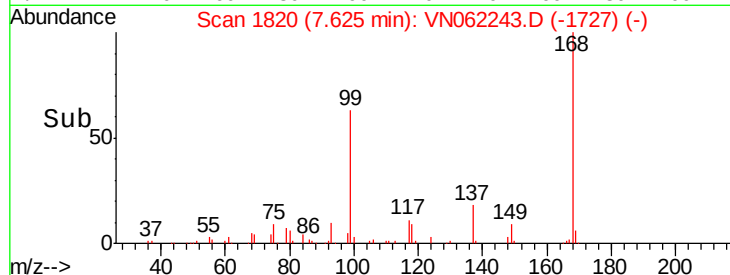
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#3

Chloromethane

Concen: Below Cal

RT: 2.03 min Scan# 80

Delta R.T. -0.00 min

Lab File: VN062243.D

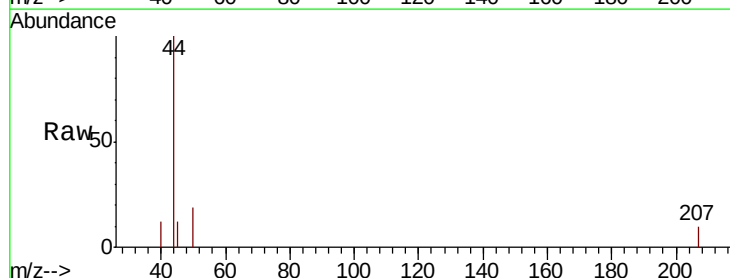
Acq: 30 Jun 2020 16:38

Tgt Ion: 50 Resp: 406

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

2.03

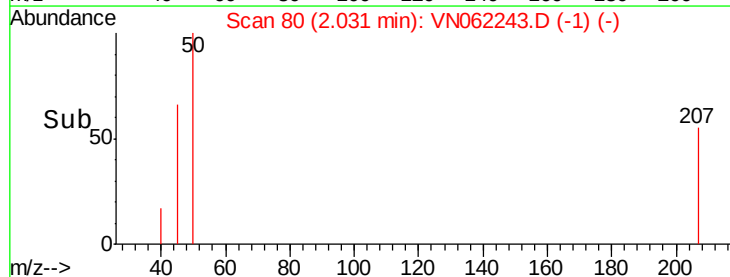
300

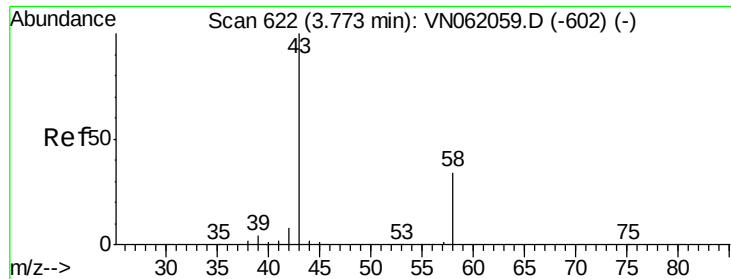
200

100

0

Time--> 2.00 2.02 2.04 2.06

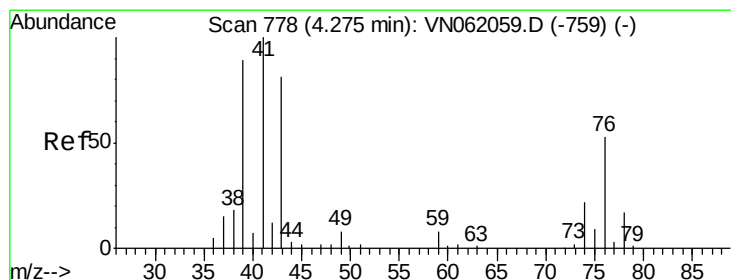
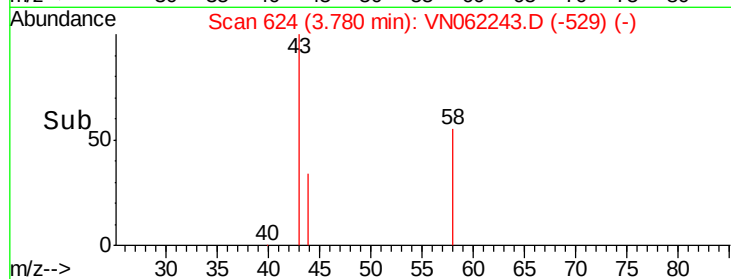
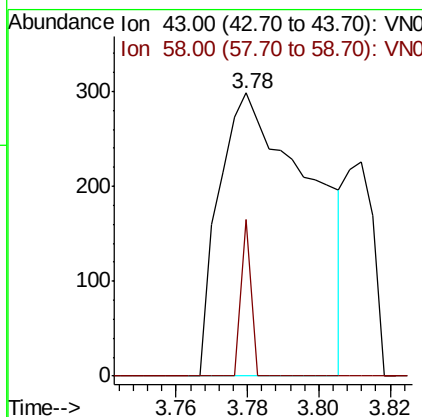
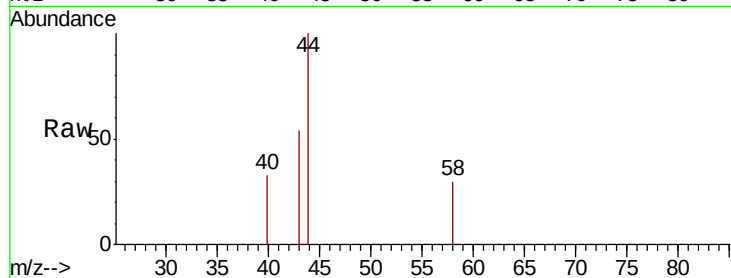




#16
Acetone
Concen: Below Cal
RT: 3.78 min Scan# 624
Delta R.T. 0.01 min
Lab File: VN062243.D
Acq: 30 Jun 2020 16:38

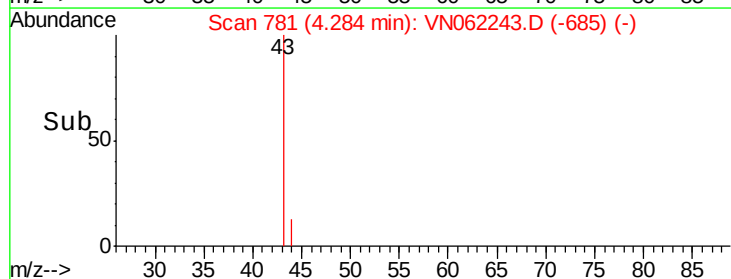
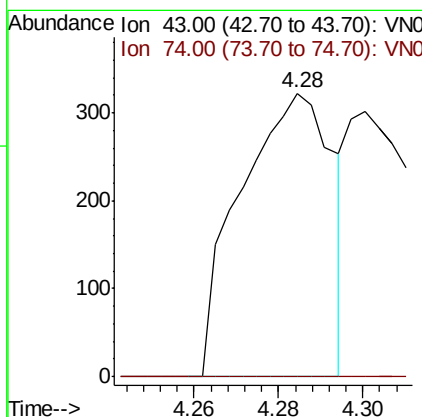
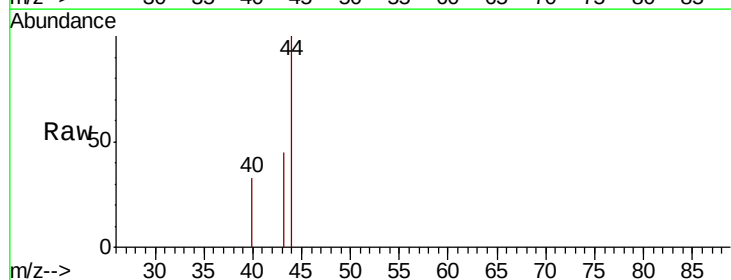
Instrument :
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33BR-20200625

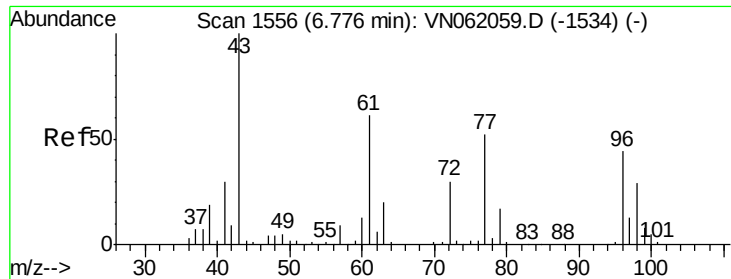
Tot Ion: 43 Resp: 528
Ion Ratio Lower Upper
43 100
58 55.4 27.5 41.3#



#18
Methyl Acetate
Concen: 0.217 ug/l
RT: 4.28 min Scan# 781
Delta R.T. 0.01 min
Lab File: VN062243.D
Acq: 30 Jun 2020 16:38

Tgt Ion: 43 Resp: 486
Ion Ratio Lower Upper
43 100
74 0.0 22.9 34.3#





#27

cis-1,2-Dichloroethene

Concen: 0.360 ug/l

RT: 6.78 min Scan# 1558

Delta R.T. 0.01 min

Lab File: VN062243.D

Acq: 30 Jun 2020 16:38

Instrument :

MSVOA_N

ClientSampleId :

33BR-20200625

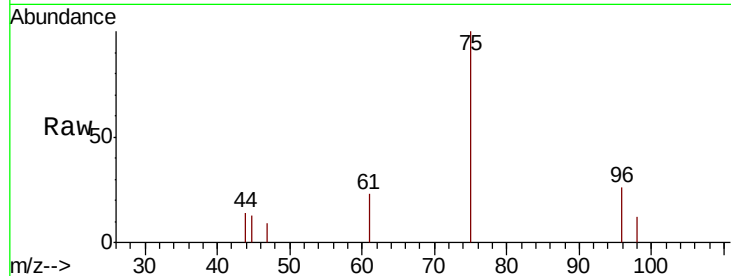
Tot Ion: 96 Resp: 1062

Ion Ratio Lower Upper

96 100

61 90.0 0.0 280.4

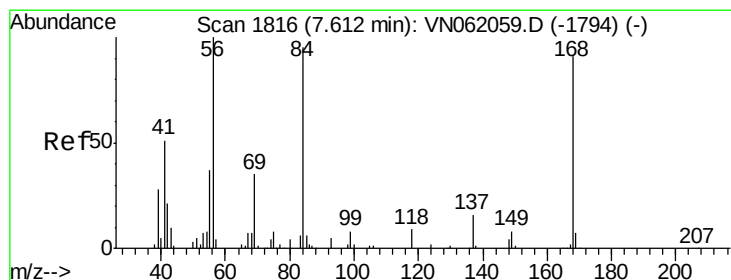
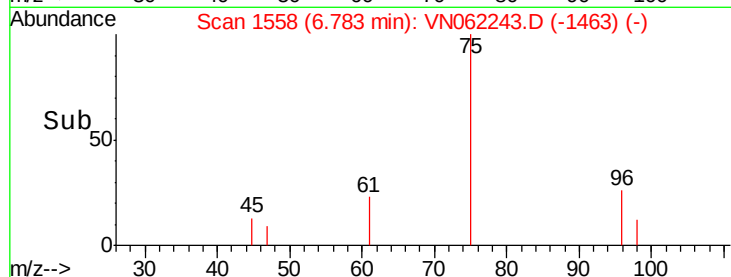
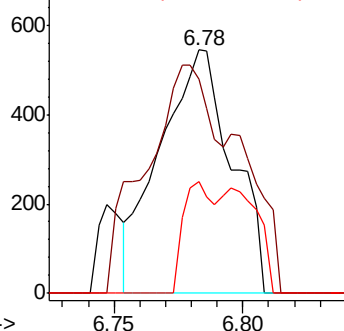
98 19.5 0.0 129.4



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#31

Cyclohexane

Concen: 1.239 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.01 min

Lab File: VN062243.D

Acq: 30 Jun 2020 16:38

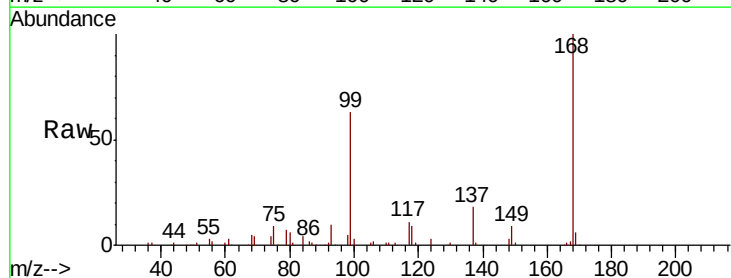
Tgt Ion: 56 Resp: 4818

Ion Ratio Lower Upper

56 100

69 163.6 28.0 42.0#

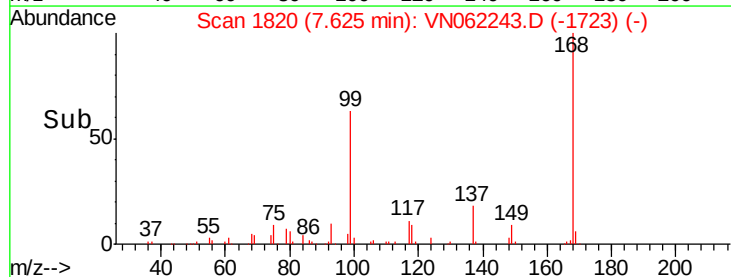
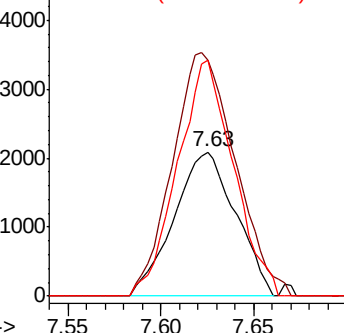
84 163.6 76.1 114.1#

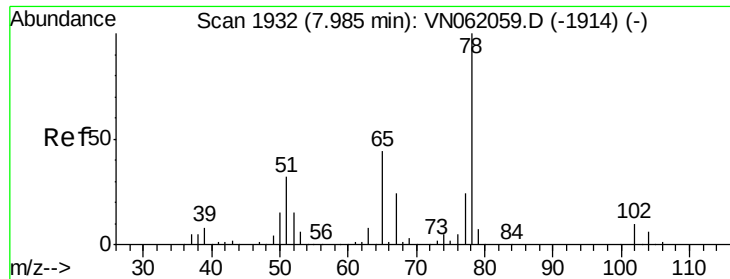


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

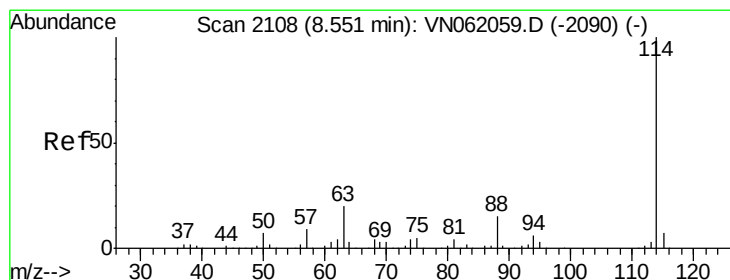
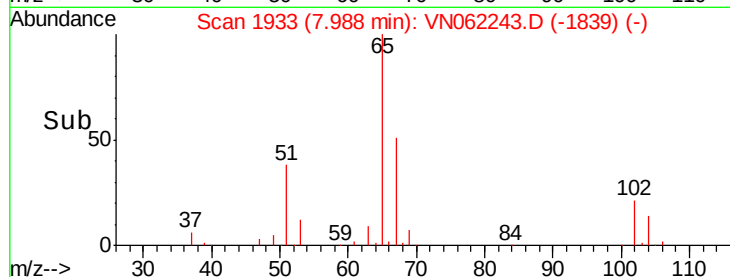
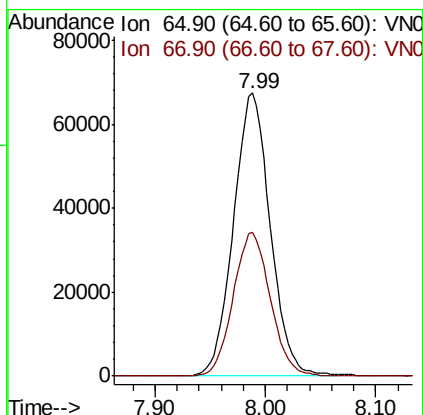
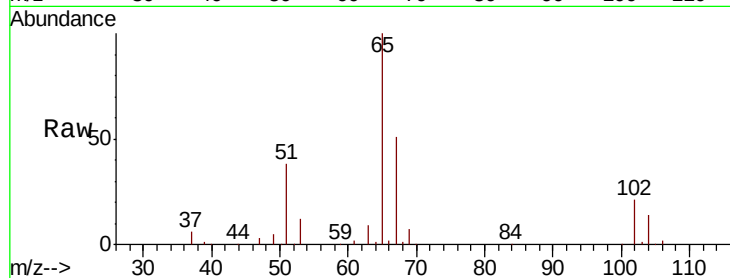




#33
 1,2-Dichloroethane-d4
 Concen: 55.341 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN062243.D
 Acq: 30 Jun 2020 16:38

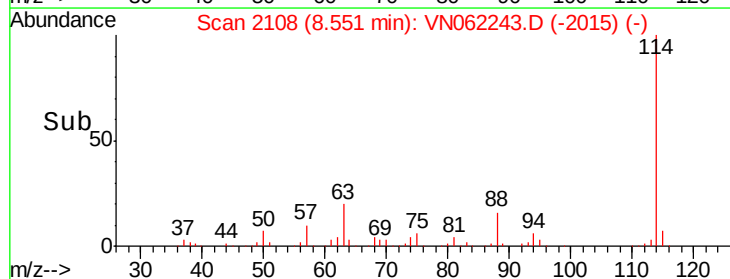
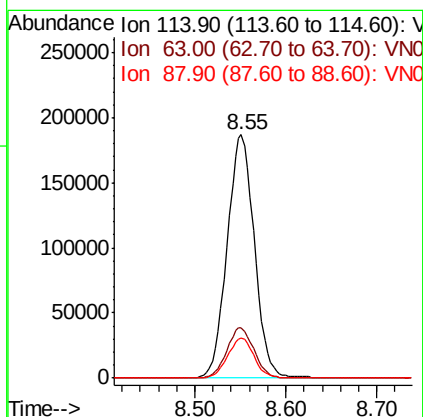
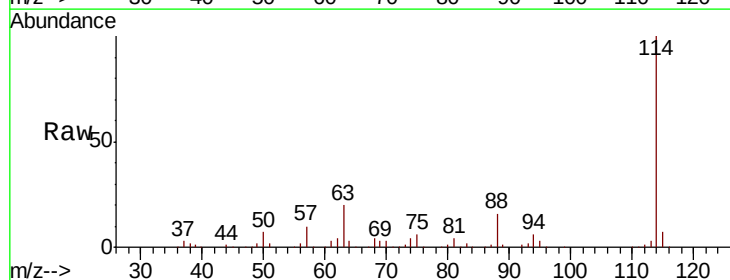
Instrument :
 MSVOA_N
 ClientSampleId :
 33BR-20200625

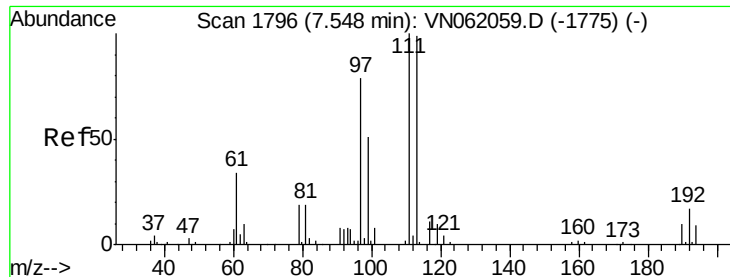
Tot Ion: 65 Resp: 155813
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062243.D
 Acq: 30 Jun 2020 16:38

Tgt Ion: 114 Resp: 389326
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 39.2
 88 16.3 0.0 30.8

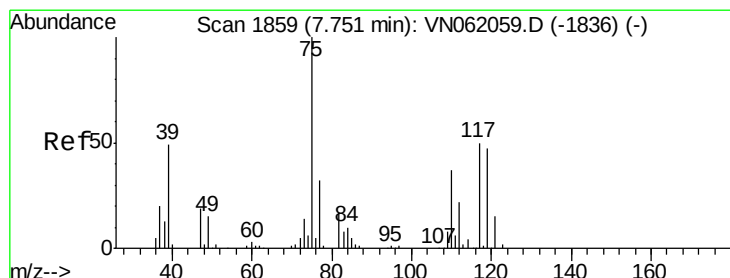
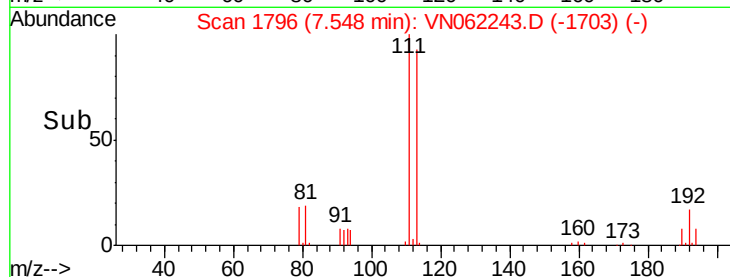
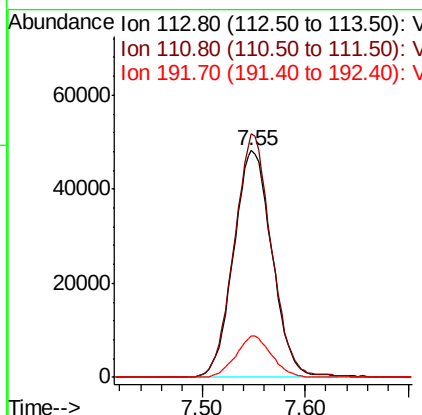
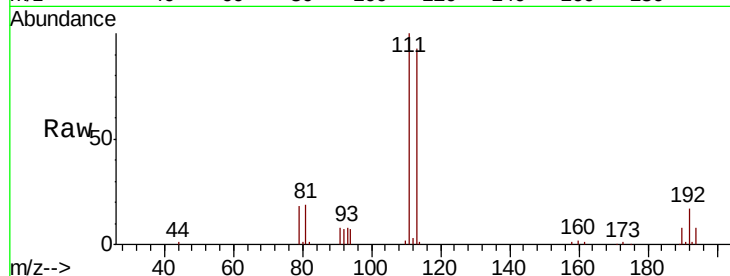




#35
 Dibromofluoromethane
 Concen: 49.928 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN062243.D
 Acq: 30 Jun 2020 16:38

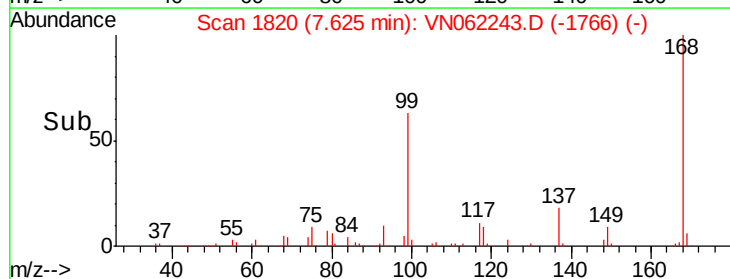
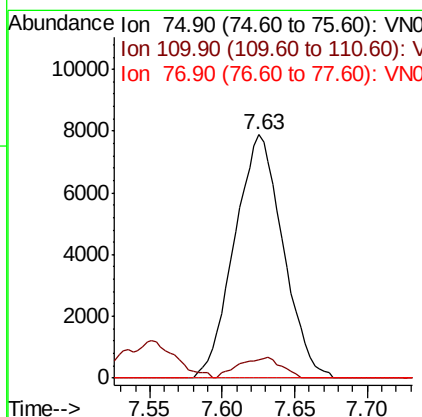
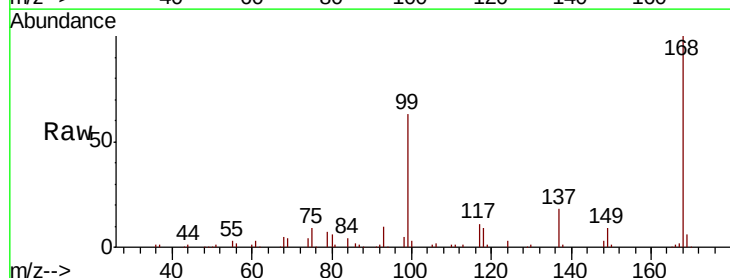
Instrument :
 MSVOA_N
 ClientSampleId :
 33BR-20200625

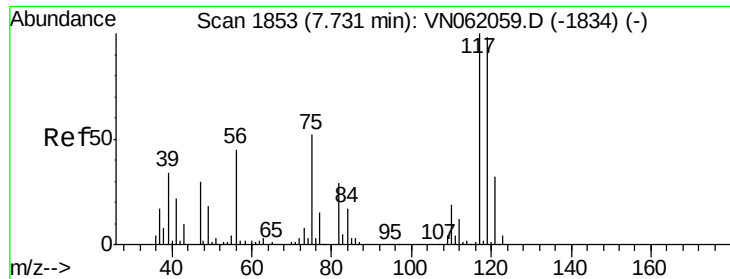
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.7	82.2	123.4
192	16.9	14.0	21.0



#36
 1,1-Dichloropropene
 Concen: 4.685 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN062243.D
 Acq: 30 Jun 2020 16:38

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.5	17.9	53.8#
77	0.0	24.9	37.3#





#38

Carbon Tetrachloride

Concen: 5.600 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.11 min

Lab File: VN062243.D

Acq: 30 Jun 2020 16:38

Instrument :

MSVOA_N

ClientSampleId :

33BR-20200625

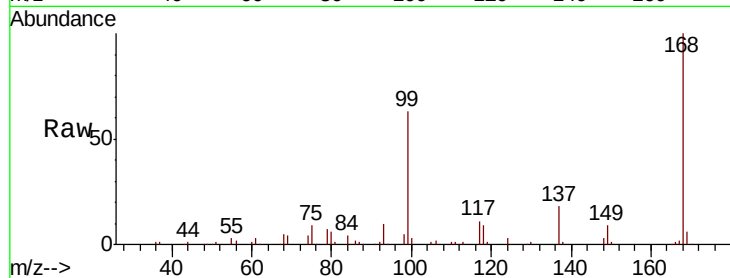
Tot Ion:117 Resp: 20661

Ion Ratio Lower Upper

117 100

119 7.2 78.2 117.2#

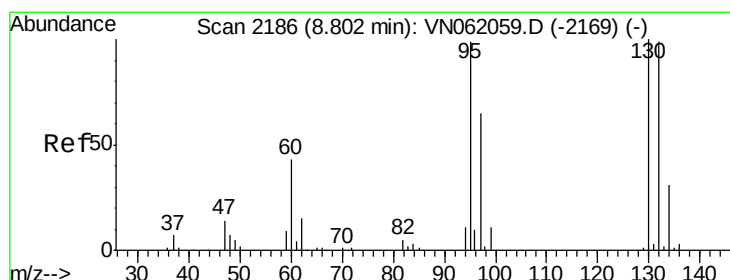
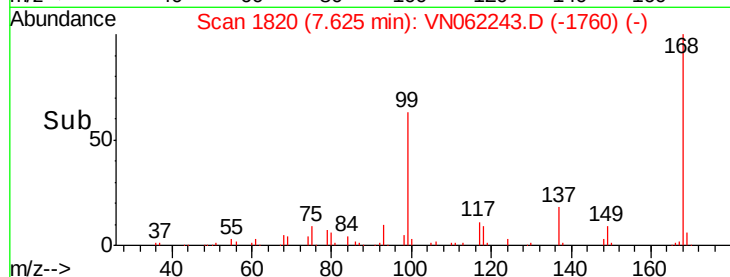
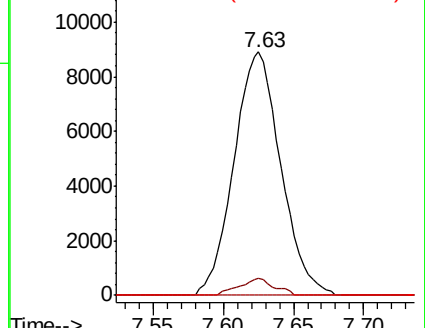
121 0.0 25.8 38.6#



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



#44

Trichloroethene

Concen: 0.473 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. -0.00 min

Lab File: VN062243.D

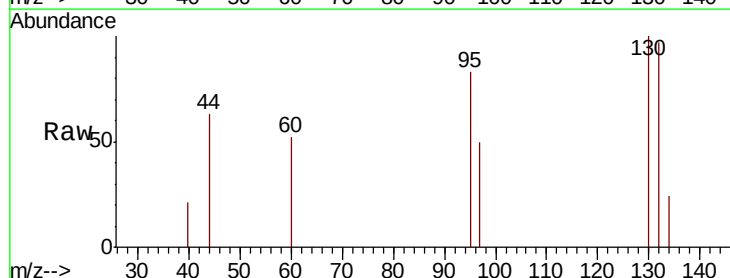
Acq: 30 Jun 2020 16:38

Tgt Ion:130 Resp: 1424

Ion Ratio Lower Upper

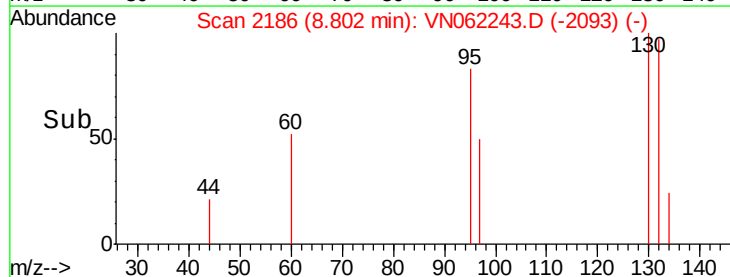
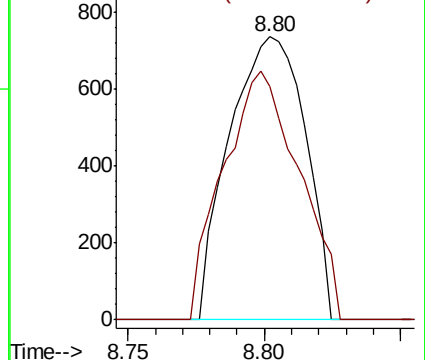
130 100

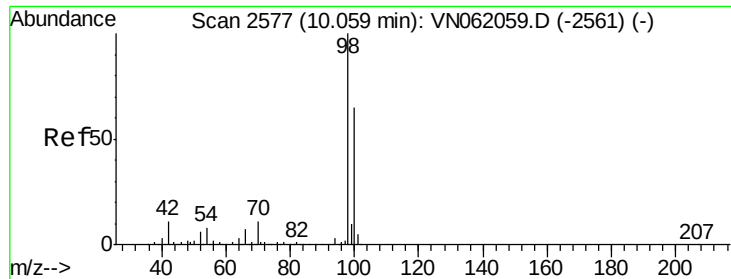
95 82.6 0.0 197.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): V

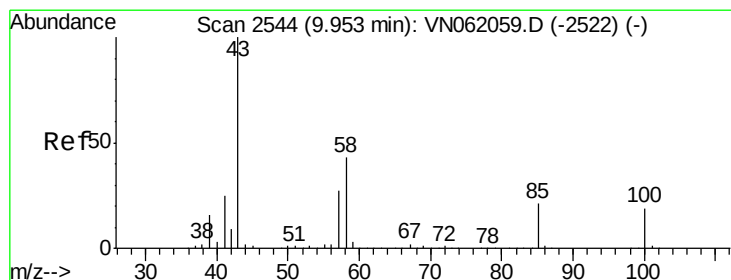
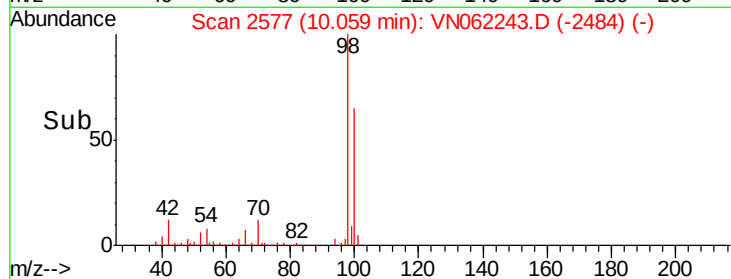
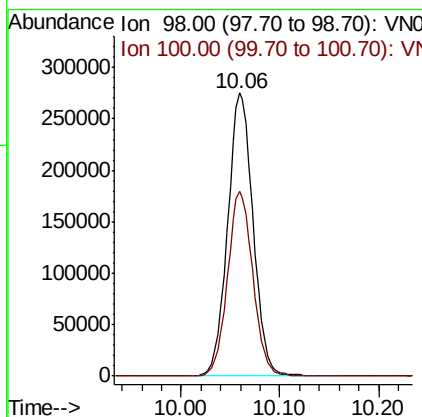
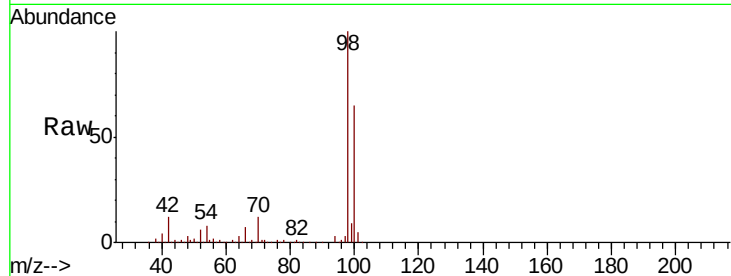




#50
Toluene-d8
Concen: 49.758 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062243.D
Acq: 30 Jun 2020 16:38

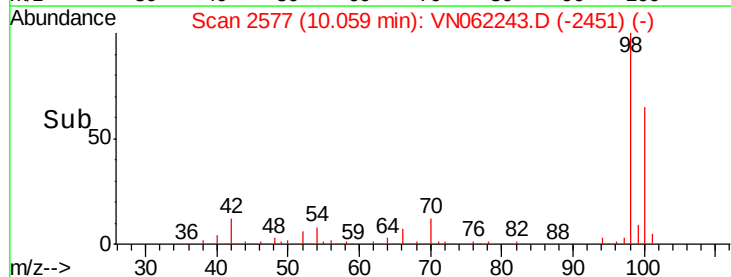
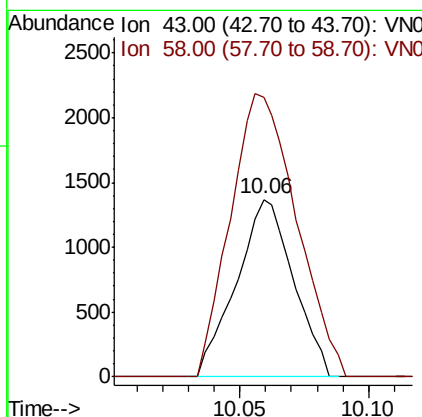
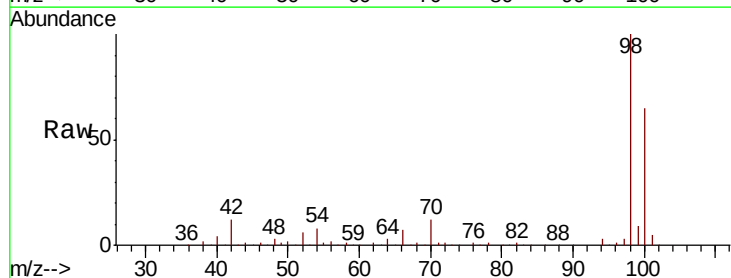
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33BR-20200625

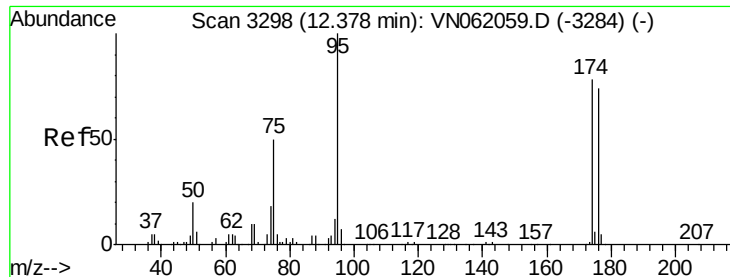
Tot Ion: 98 Resp: 496796
Ion Ratio Lower Upper
98 100
100 65.1 51.2 76.8



#51
4-Methyl-2-Pentanone
Concen: 0.683 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.11 min
Lab File: VN062243.D
Acq: 30 Jun 2020 16:38

Tgt Ion: 43 Resp: 2108
Ion Ratio Lower Upper
43 100
58 184.6 34.2 51.2#

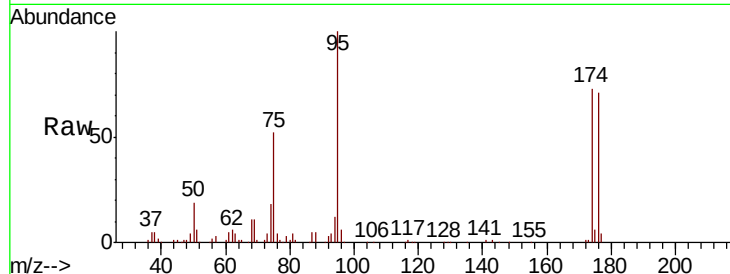




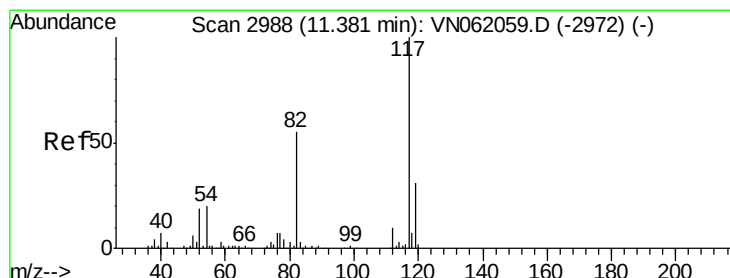
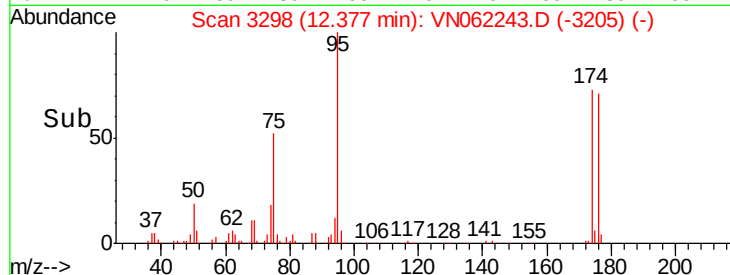
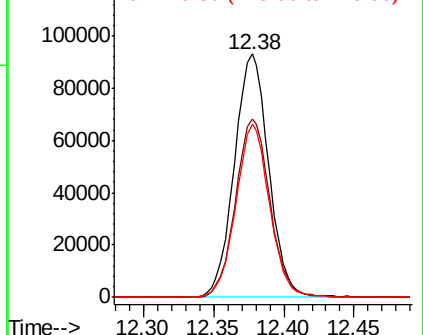
#62
4-Bromofluorobenzene
Concen: 47.151 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.00 min
Lab File: VN062243.D
Acq: 30 Jun 2020 16:38

Instrument :
MSVOA_N
ClientSampleId :
33BR-20200625

Tot Ion	Ratio	Lower	Upper
95	100		
174	73.9	0.0	154.8
176	69.9	0.0	147.4

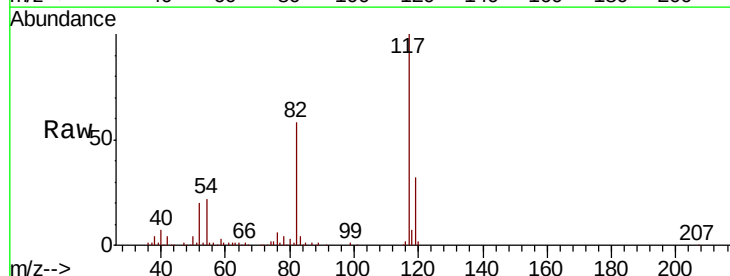


Abundance Ion 94.90 (94.60 to 95.60): VN062243.D (-3205) (-)
Ion 173.80 (173.50 to 174.50): VN062243.D (-3205) (-)
Ion 175.80 (175.50 to 176.50): VN062243.D (-3205) (-)

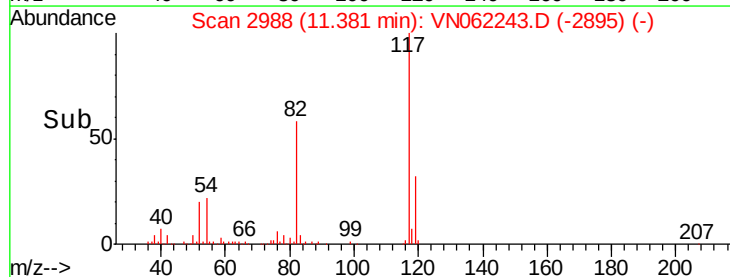
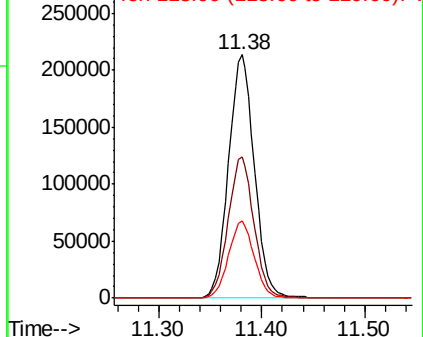


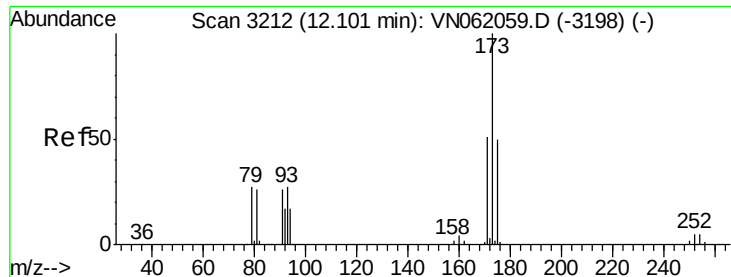
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062243.D
Acq: 30 Jun 2020 16:38

Tgt Ion	Ratio	Lower	Upper
117	100		
82	58.0	43.8	65.8
119	31.8	25.2	37.8



Abundance Ion 116.90 (116.60 to 117.60): VN062243.D (-2895) (-)
Ion 82.00 (81.70 to 82.70): VN062243.D (-2895) (-)
Ion 118.90 (118.60 to 119.60): VN062243.D (-2895) (-)





#71

Bromoform

Concen: 0.688 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.28 min

Lab File: VN062243.D

Acq: 30 Jun 2020 16:38

Instrument :

MSVOA_N

ClientSampleId :

33BR-20200625

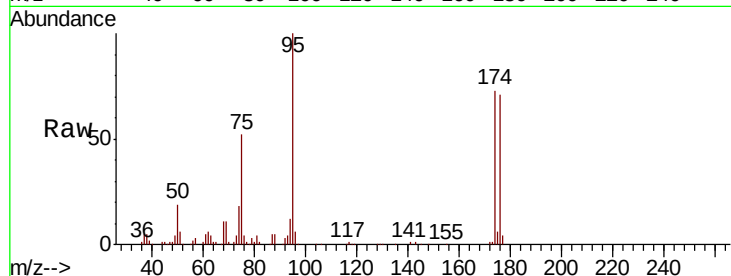
Tot Ion:173 Resp: 1390

Ion Ratio Lower Upper

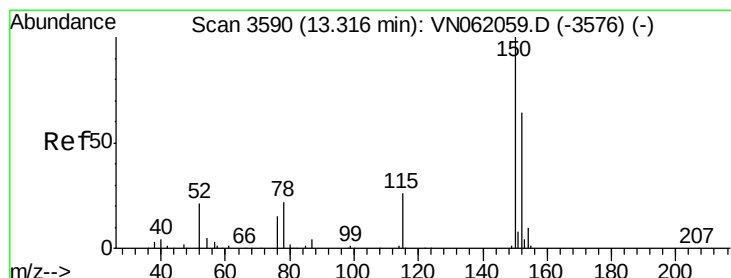
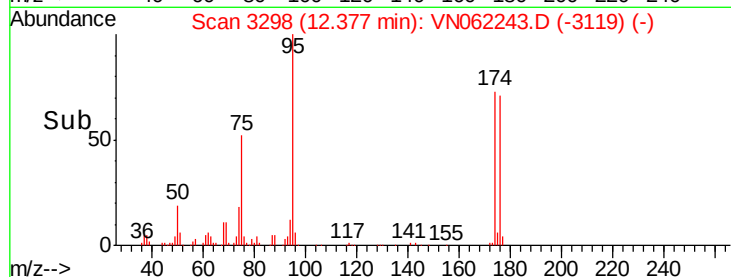
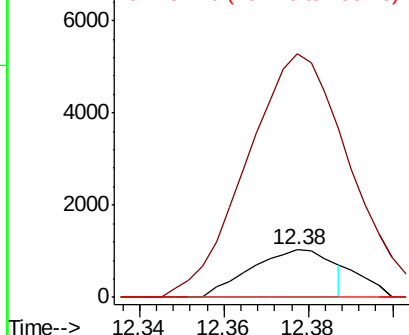
173 100

175 534.0 24.7 74.1#

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062243.D

Acq: 30 Jun 2020 16:38

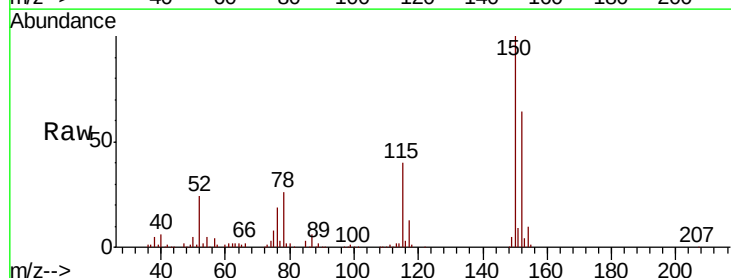
Tgt Ion:152 Resp: 132676

Ion Ratio Lower Upper

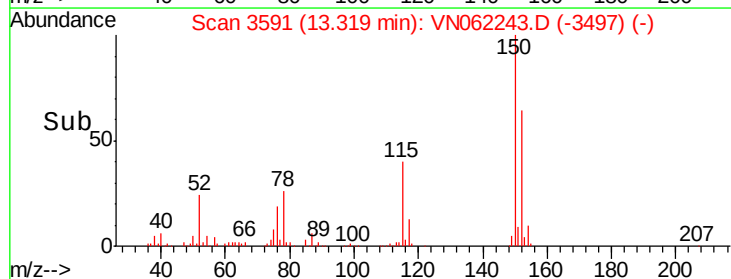
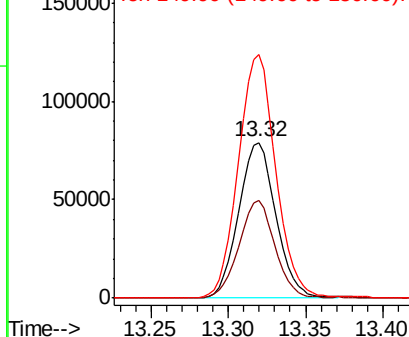
152 100

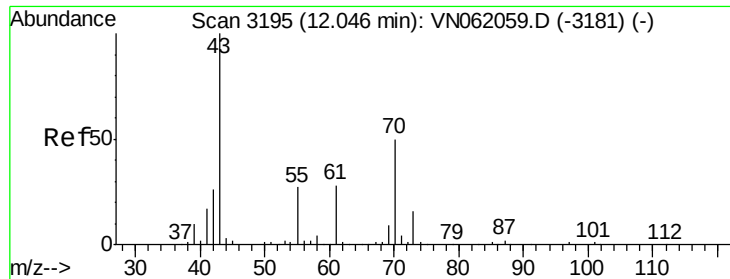
115 60.3 29.5 88.5

150 158.2 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

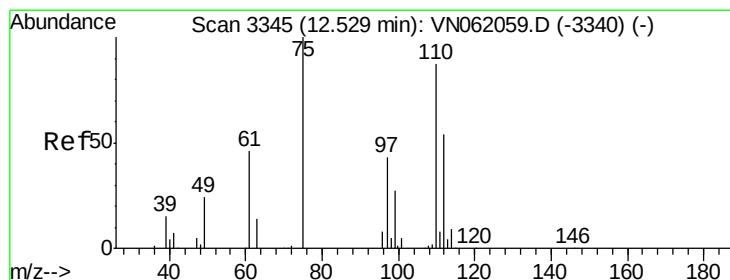
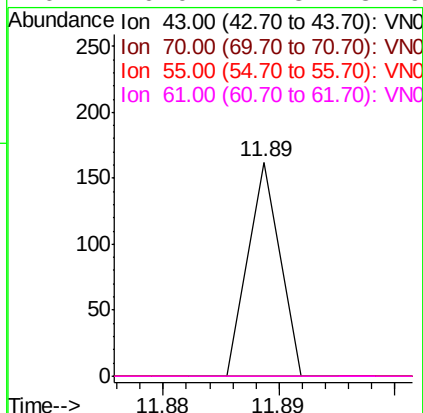
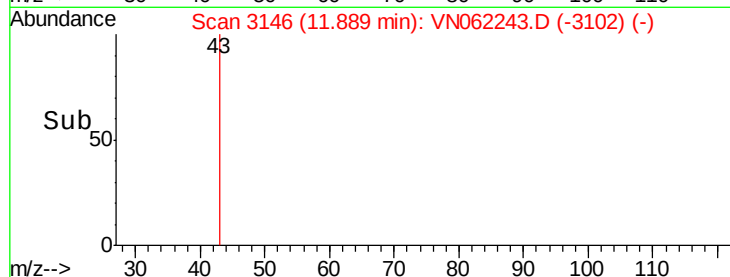
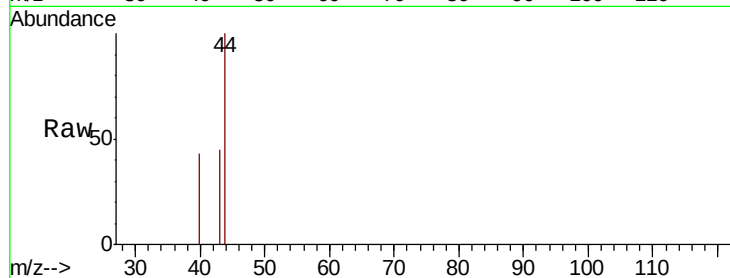




#74
N-amyl acetate
Concen: 3.351 ug/l
RT: 11.89 min Scan# 3146
Delta R.T. -0.16 min
Lab File: VN062243.D
Acq: 30 Jun 2020 16:38

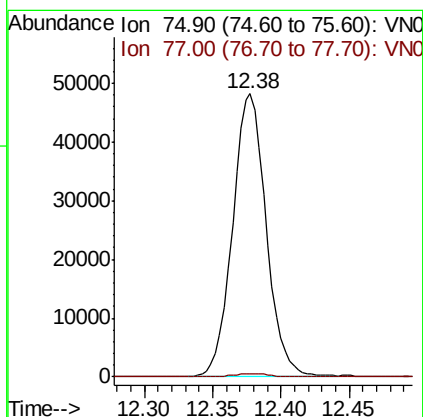
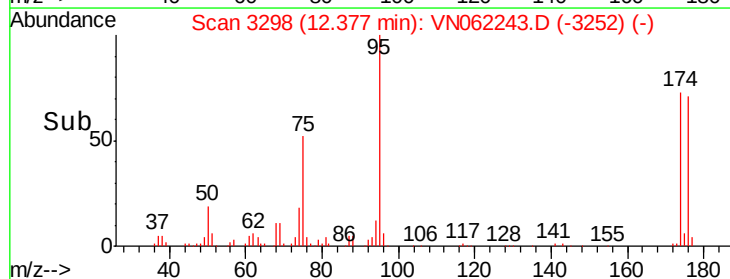
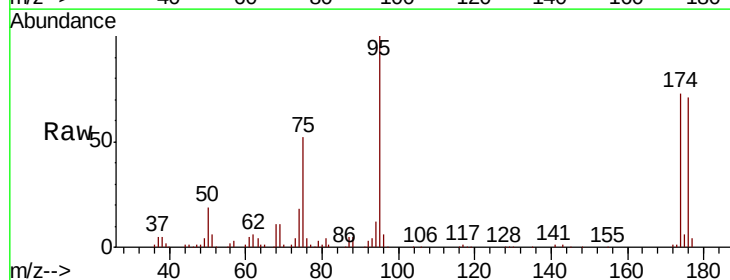
Instrument :
MSVOA_N
ClientSampleId :
33BR-20200625

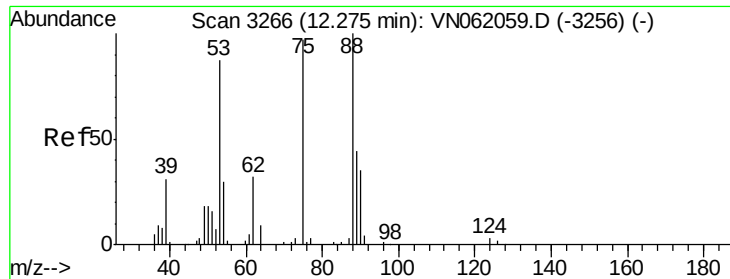
Tot Ion:	43	Resp:	31
Ion	Ratio	Lower	Upper
43	100		
70	0.0	39.4	59.2#
55	0.0	21.7	32.5#
61	0.0	21.3	31.9#



#76
1,2,3-Trichloropropane
Concen: 26.380 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.15 min
Lab File: VN062243.D
Acq: 30 Jun 2020 16:38

Tgt Ion:	75	Resp:	82394
Ion	Ratio	Lower	Upper
75	100		
77	1.0	0.0	0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 77.041 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062243.D

Acq: 30 Jun 2020 16:38

Instrument :

MSVOA_N

ClientSampleId :

33BR-20200625

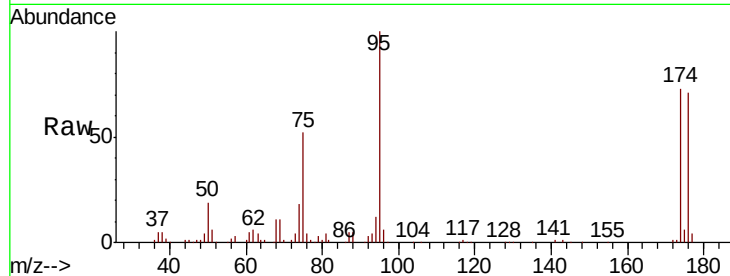
Tot Ion: 75 Resp: 82394

Ion Ratio Lower Upper

75 100

53 0.0 72.0 108.0#

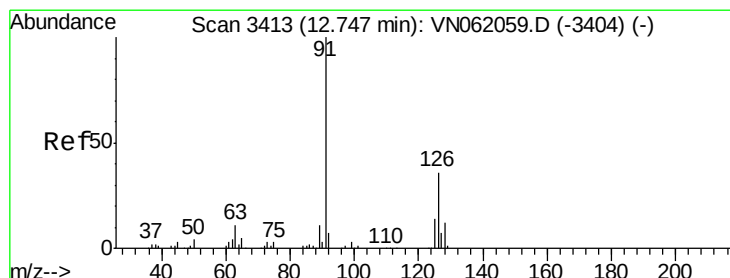
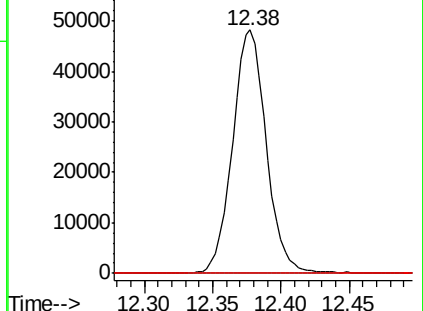
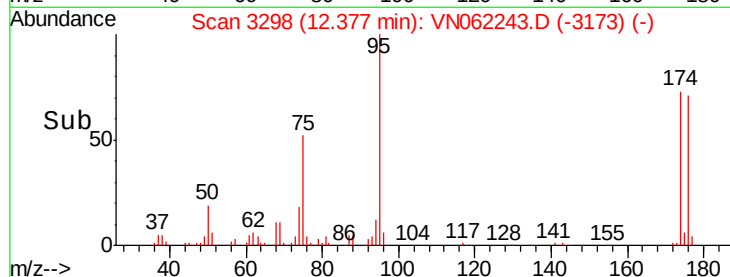
89 0.0 36.9 55.3#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 0.255 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. -0.00 min

Lab File: VN062243.D

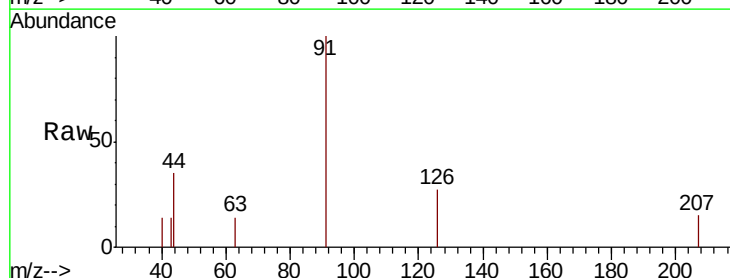
Acq: 30 Jun 2020 16:38

Tgt Ion: 91 Resp: 1874

Ion Ratio Lower Upper

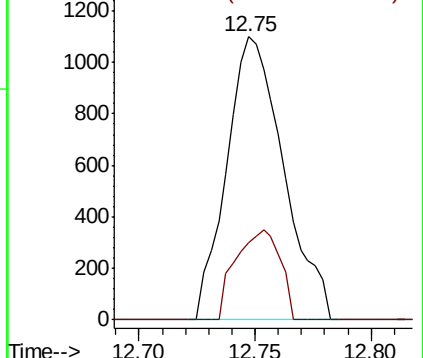
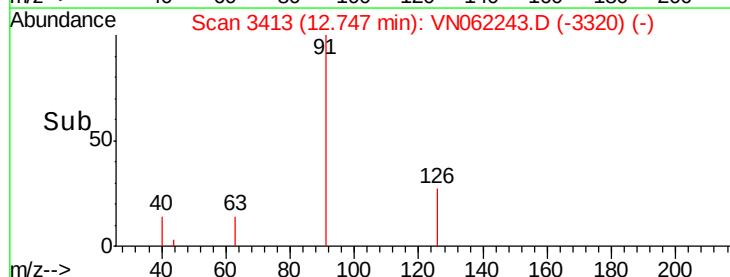
91 100

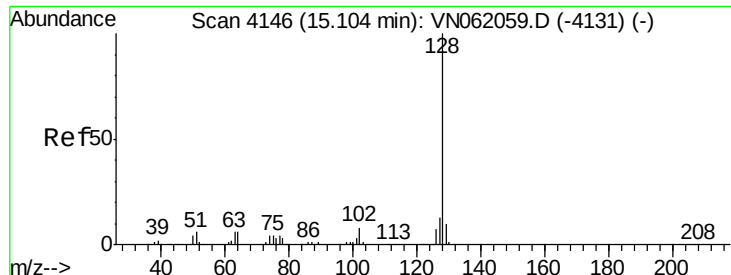
126 24.8 16.7 50.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#95

Naphthalene

Concen: 4.097 ug/l

RT: 15.11 min Scan# 4149

Delta R.T. 0.01 min

Lab File: VN062243.D

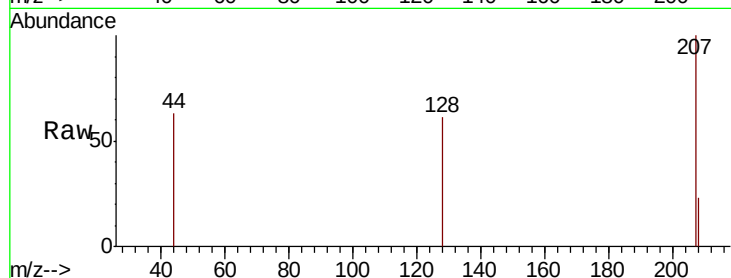
Acq: 30 Jun 2020 16:38

Instrument :

MSVOA_N

ClientSampleId :

33BR-20200625



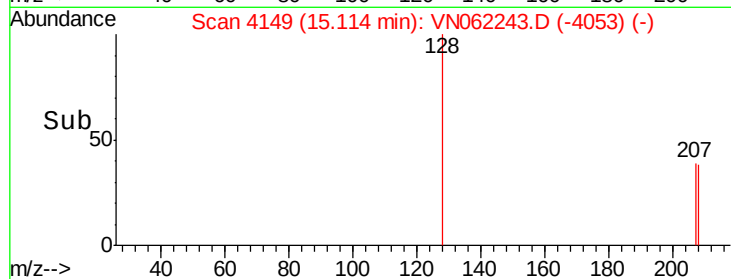
Tot Ion:128 Resp: 702

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): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

