

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072720\
 Data File : VN062612.D
 Acq On : 27 Jul 2020 20:42
 Operator : JC/MD
 Sample : PB130485ZHE#09
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB130485ZHE#09

Quant Time: Jul 28 06:26:39 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	140450	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	253699	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	253806	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	107349	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	119426	54.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.48%	
35) Dibromofluoromethane	7.55	113	82491	49.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.00%	
50) Toluene-d8	10.06	98	325080	48.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.78%	
62) 4-Bromofluorobenzene	12.38	95	126516	52.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.08%	

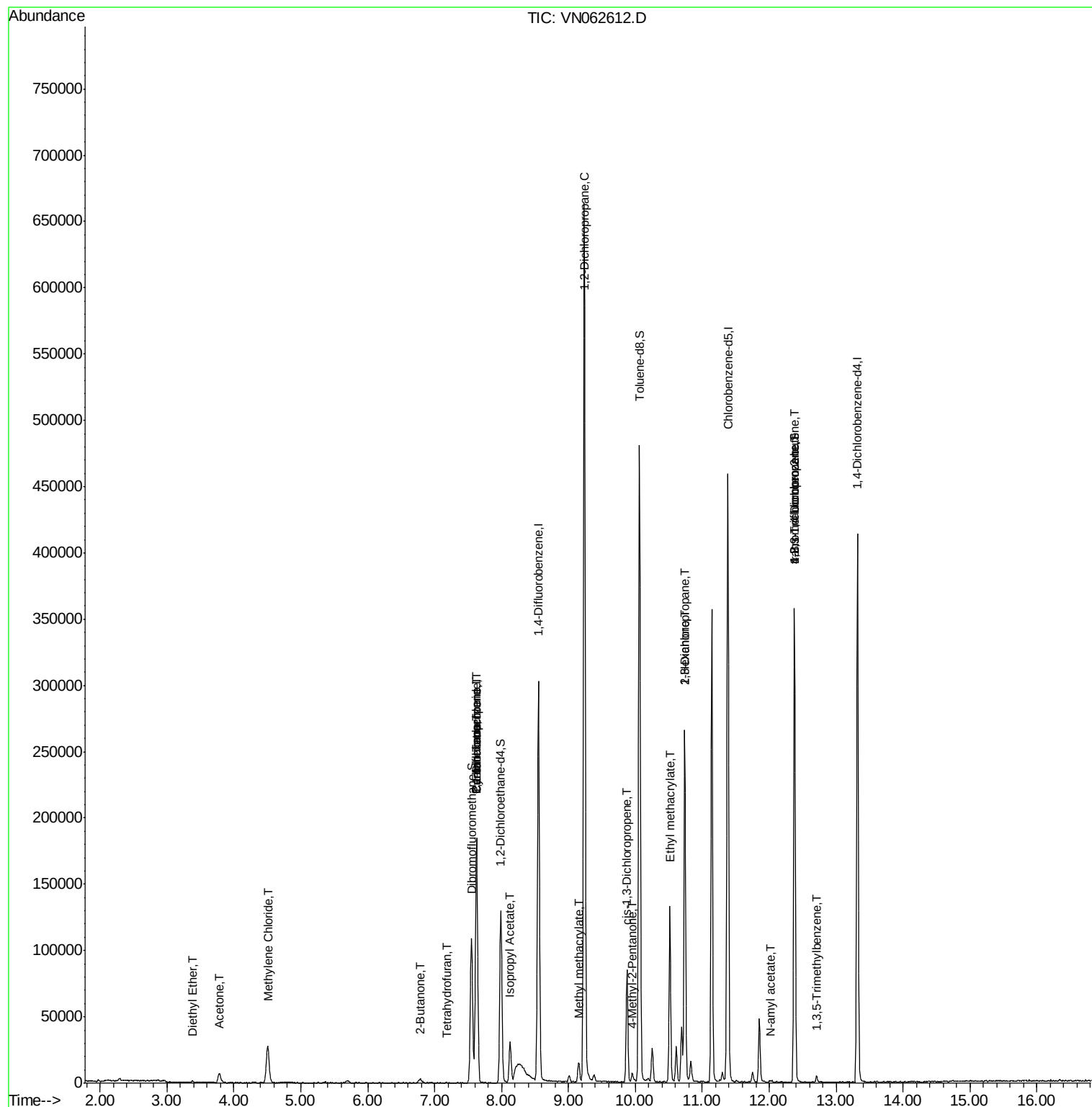
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.38	74	370	0.342	ug/l	52
16) Acetone	3.79	43	13296	16.194	ug/l	92
20) Methylene Chloride	4.50	84	19890	10.101	ug/l	98
25) 2-Butanone	6.80	43	2110	1.687	ug/l #	52
29) Tetrahydrofuran	7.18	42	284	0.336	ug/l #	38
31) Cyclohexane	7.63	56	3503	1.090	ug/l #	1
36) 1,1-Dichloropropene	7.62	75	12326	4.558	ug/l #	46
38) Carbon Tetrachloride	7.63	117	14930	5.744	ug/l #	19
43) Isopropyl Acetate	8.13	43	36449	7.757	ug/l #	89
45) 1,2-Dichloropropane	9.24	63	803	0.349	ug/l #	44
48) Methyl methacrylate	9.15	41	2368	1.060	ug/l #	15
51) 4-Methyl-2-Pentanone	9.95	43	4979	1.771	ug/l	95
54) cis-1,3-Dichloropropene	9.88	75	13869	4.034	ug/l #	65
56) Ethyl methacrylate	10.51	69	509	1.917	ug/l #	1
57) 1,3-Dichloropropane	10.73	76	2489	0.737	ug/l #	42
59) 2-Hexanone	10.74	43	40246	21.249	ug/l #	53
74) N-amyl acetate	12.01	43	1412	0.372	ug/l #	45
76) 1,2,3-Trichloropropane	12.38	75	69979	25.611	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.71	105	3381	0.480	ug/l	90
81) trans-1,4-Dichloro-2-buten	12.38	75	69979	71.294	ug/l #	12

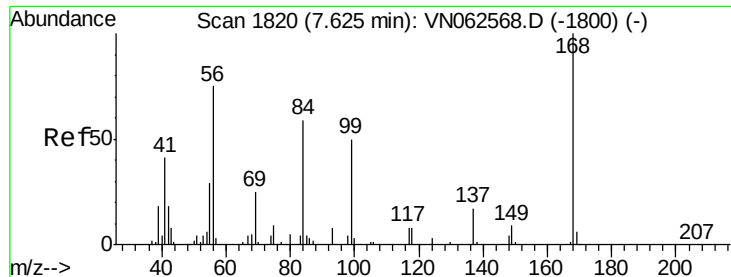
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 1821

Delta R.T. 0.00 min

Lab File: VN062612.D

Acq: 27 Jul 2020 20:42

Instrument :

MSVOA_N

ClientSampleId :

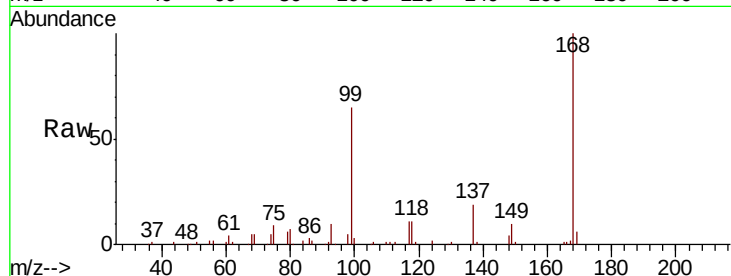
PB130485ZHE#09

Tot Ion:168 Resp: 140450

Ion Ratio Lower Upper

168 100

99 64.7 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

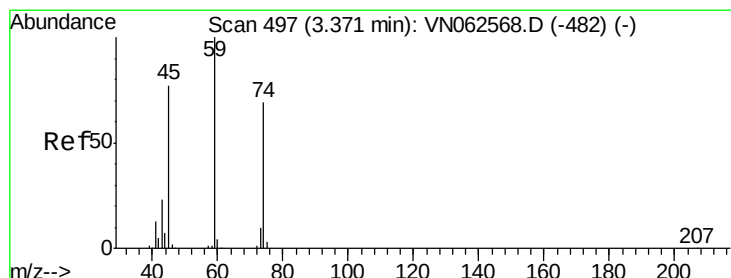
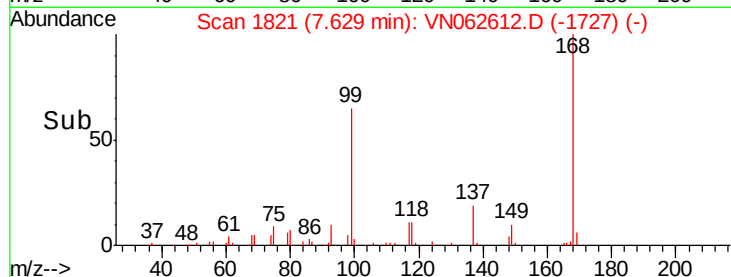
40000

20000

0

7.55 7.60 7.65 7.70

Time-->



#8

Diethyl Ether

Concen: 0.342 ug/l

RT: 3.38 min Scan# 500

Delta R.T. 0.01 min

Lab File: VN062612.D

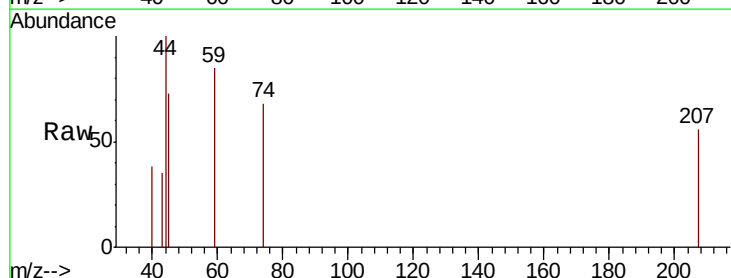
Acq: 27 Jul 2020 20:42

Tgt Ion: 74 Resp: 370

Ion Ratio Lower Upper

74 100

45 161.4 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

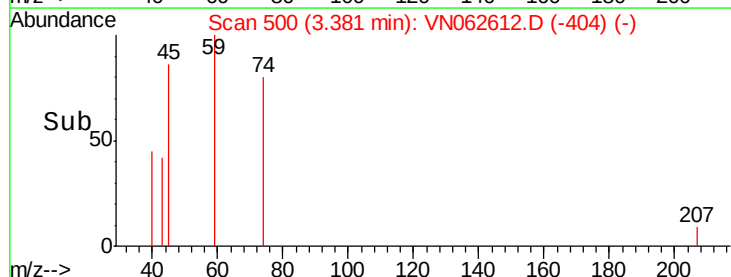
200

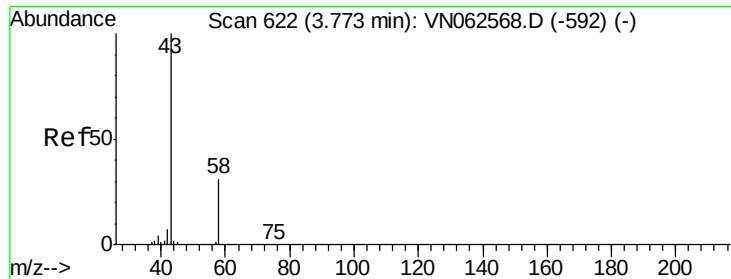
100

0

3.34 3.36 3.38 3.40

Time-->





#16

Acetone

Concen: 16.194 ug/l

RT: 3.79 min Scan# 626

Delta R.T. 0.01 min

Lab File: VN062612.D

Acq: 27 Jul 2020 20:42

Instrument :

MSVOA_N

ClientSampleId :

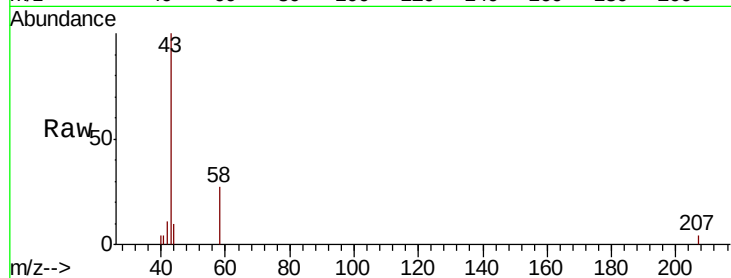
PB130485ZHE#09

Tot Ion: 43 Resp: 13296

Ion Ratio Lower Upper

43 100

58 26.6 24.6 37.0

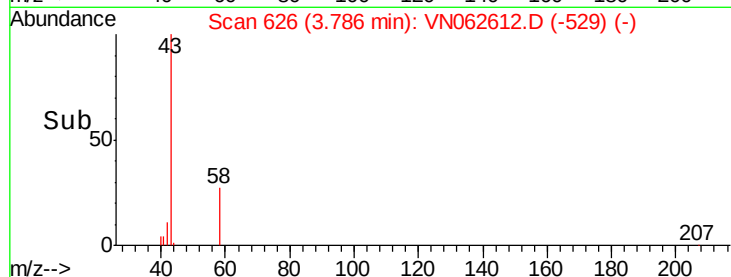


Abundance Ion 43.00 (42.70 to 43.70): VN062612.D (-592) (-)

Ion 58.00 (57.70 to 58.70): VN062612.D (-592) (-)

3.79

Time-->



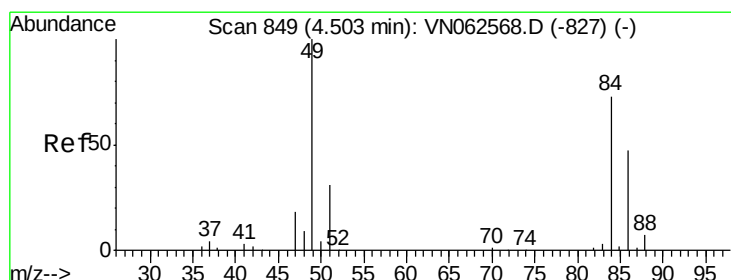
Abundance

Ion 43.00 (42.70 to 43.70): VN062612.D (-529) (-)

Ion 58.00 (57.70 to 58.70): VN062612.D (-529) (-)

3.79

Time-->



#20

Methylene Chloride

Concen: 10.101 ug/l

RT: 4.50 min Scan# 849

Delta R.T. 0.00 min

Lab File: VN062612.D

Acq: 27 Jul 2020 20:42

Tgt Ion: 84 Resp: 19890

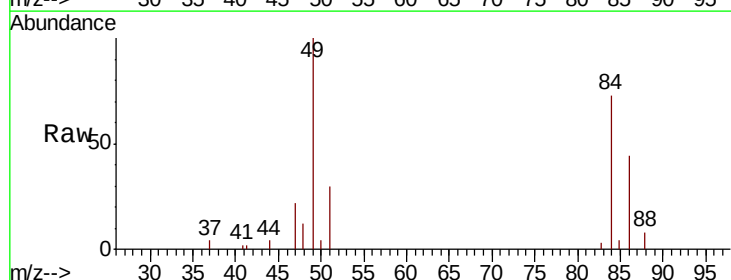
Ion Ratio Lower Upper

84 100

49 136.1 109.4 164.0

51 40.3 33.6 50.4

86 59.9 51.4 77.2



Abundance Ion 83.90 (83.60 to 84.60): VN062612.D (-827) (-)

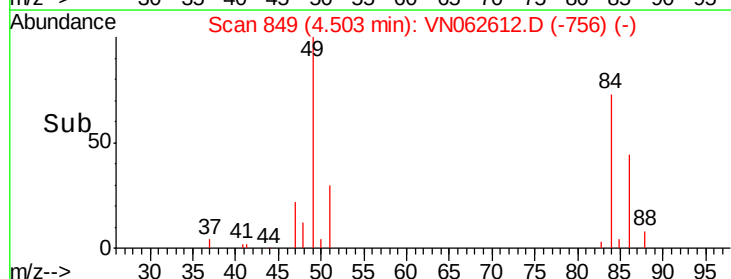
Ion 48.90 (48.60 to 49.60): VN062612.D (-827) (-)

Ion 50.90 (50.60 to 51.60): VN062612.D (-827) (-)

Ion 85.90 (85.60 to 86.60): VN062612.D (-827) (-)

4.50

Time-->



Abundance

Ion 83.90 (83.60 to 84.60): VN062612.D (-756) (-)

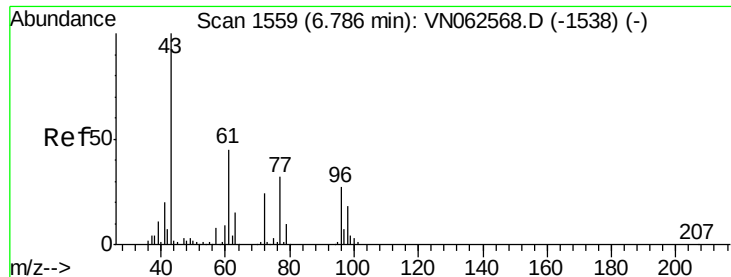
Ion 48.90 (48.60 to 49.60): VN062612.D (-756) (-)

Ion 50.90 (50.60 to 51.60): VN062612.D (-756) (-)

Ion 85.90 (85.60 to 86.60): VN062612.D (-756) (-)

4.50

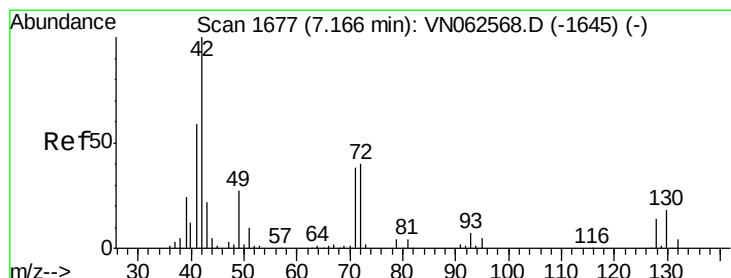
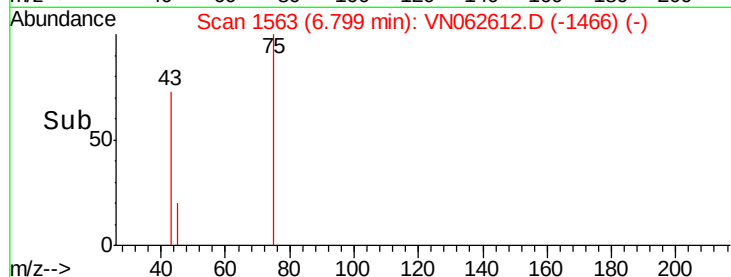
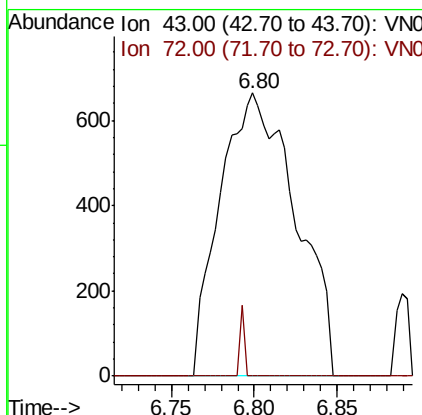
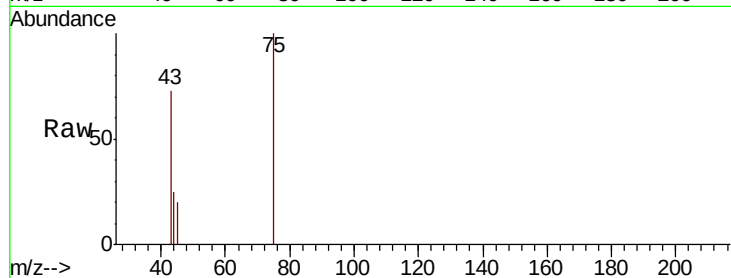
Time-->



#25
 2-Butanone
 Concen: 1.687 ug/l
 RT: 6.80 min Scan# 1563
 Delta R.T. 0.01 min
 Lab File: VN062612.D
 Acq: 27 Jul 2020 20:42

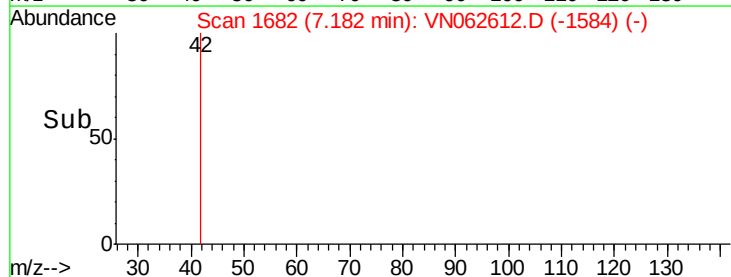
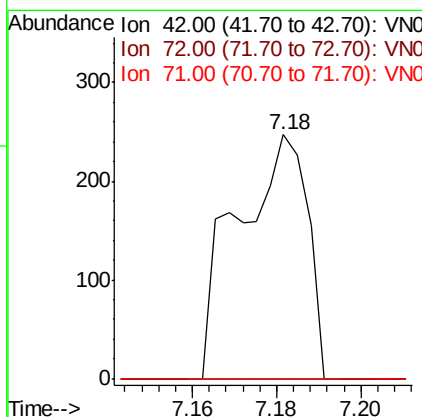
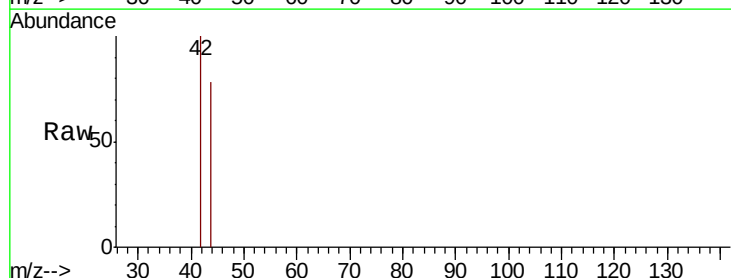
Instrument :
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 PB130485ZHE#09

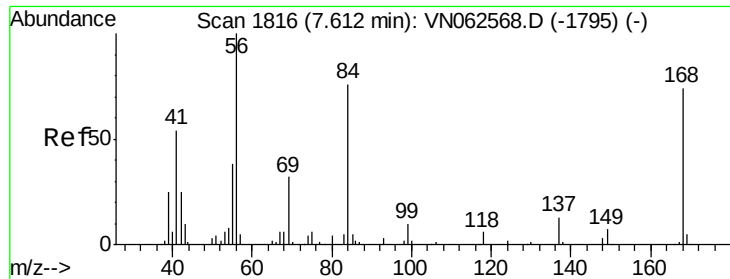
Tot Ion: 43 Resp: 2110
 Ion Ratio Lower Upper
 43 100
 72 0.0 19.0 28.6#



#29
 Tetrahydrofuran
 Concen: 0.336 ug/l
 RT: 7.18 min Scan# 1682
 Delta R.T. 0.02 min
 Lab File: VN062612.D
 Acq: 27 Jul 2020 20:42

Tgt Ion: 42 Resp: 284
 Ion Ratio Lower Upper
 42 100
 72 0.0 30.7 46.1#
 71 0.0 29.1 43.7#

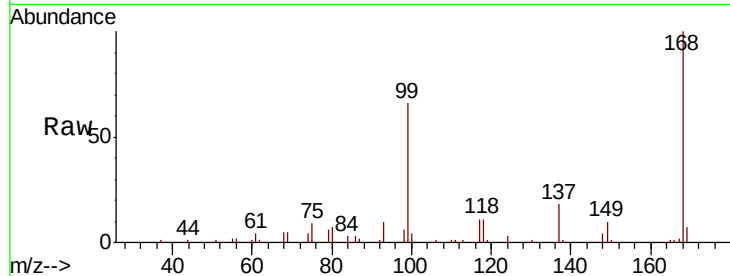




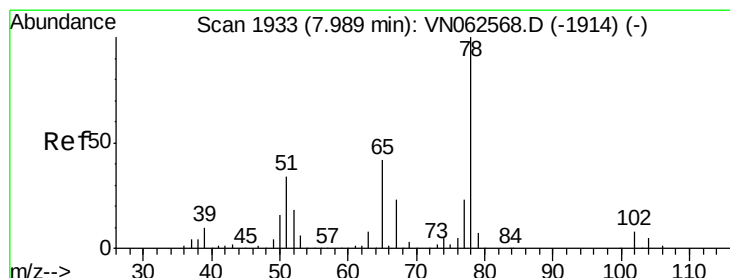
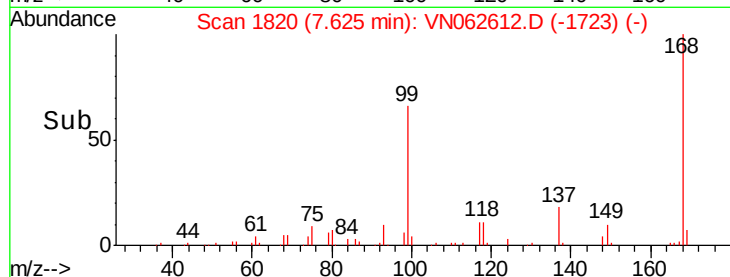
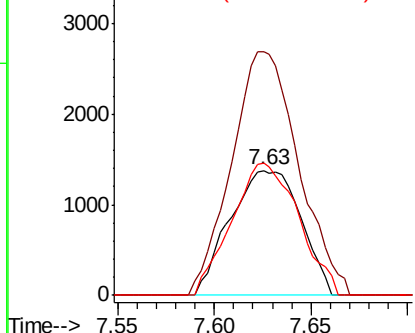
#31
Cyclohexane
Concen: 1.090 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. 0.01 min
Lab File: VN062612.D
Acq: 27 Jul 2020 20:42

Instrument :
MSVOA_N
ClientSampleId :
PB130485ZHE#09

Tot Ion: 56 Resp: 3503
Ion Ratio Lower Upper
56 100
69 194.9 25.3 37.9#
84 105.4 61.0 91.4#

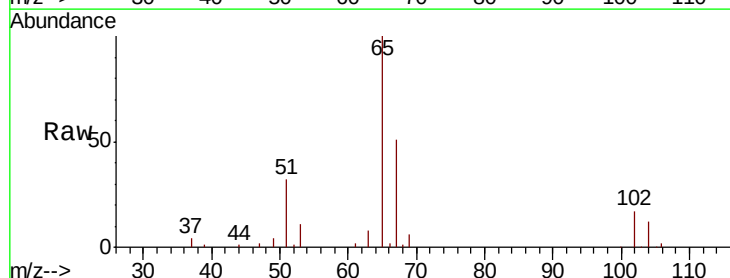


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

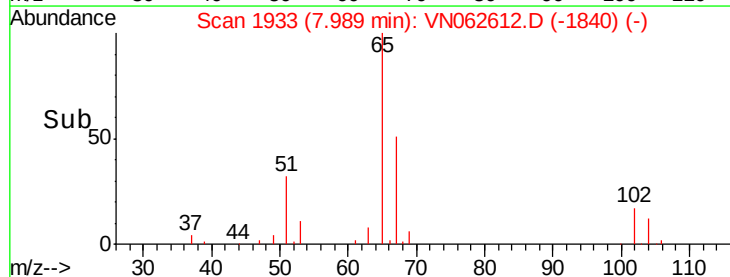
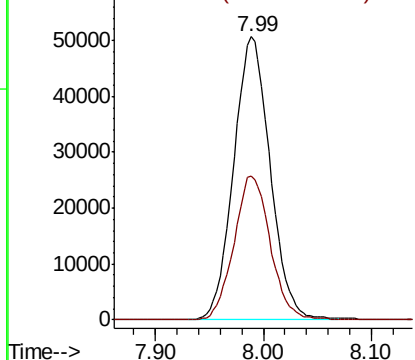


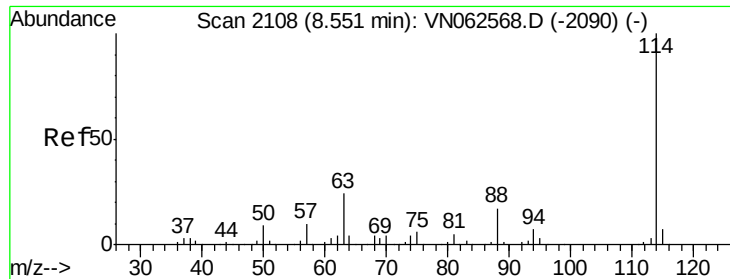
#33
1,2-Dichloroethane-d4
Concen: 54.737 ug/l
RT: 7.99 min Scan# 1933
Delta R.T. 0.00 min
Lab File: VN062612.D
Acq: 27 Jul 2020 20:42

Tgt Ion: 65 Resp: 119426
Ion Ratio Lower Upper
65 100
67 50.6 0.0 106.0



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

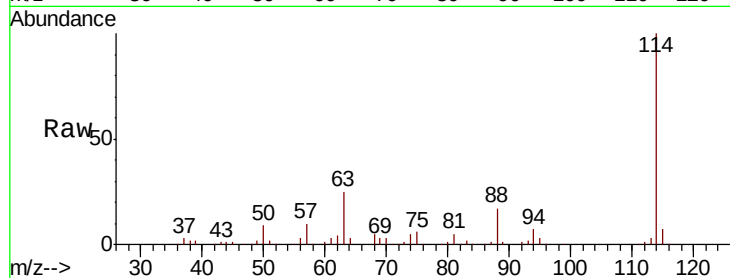




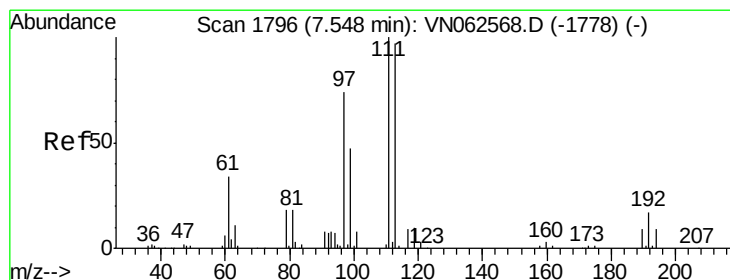
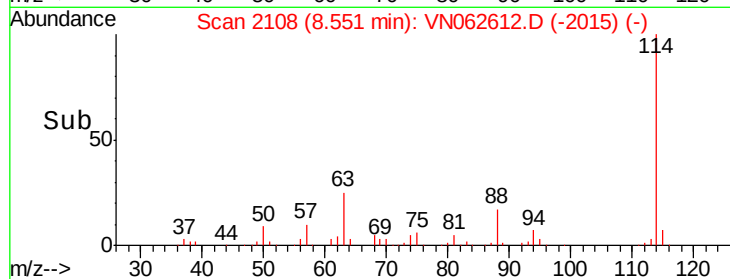
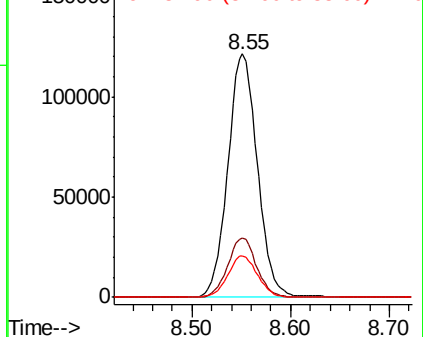
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN062612.D
 Acq: 27 Jul 2020 20:42

Instrument :
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 PB130485ZHE#09

Tot Ion:114 Resp: 253699
 Ion Ratio Lower Upper
 114 100
 63 24.5 0.0 48.4
 88 17.1 0.0 33.8

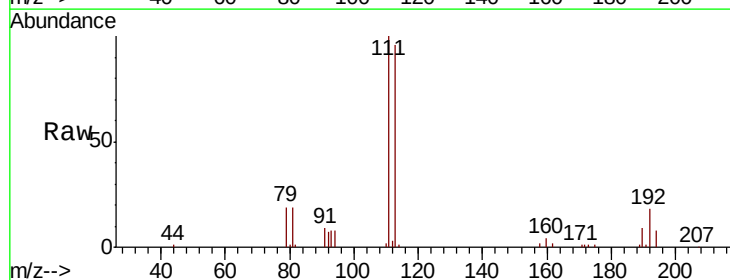


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

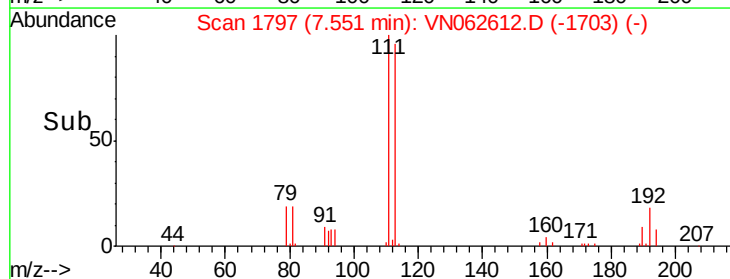
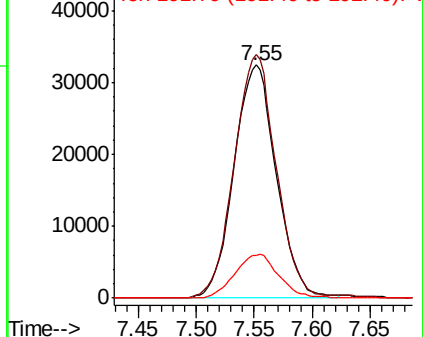


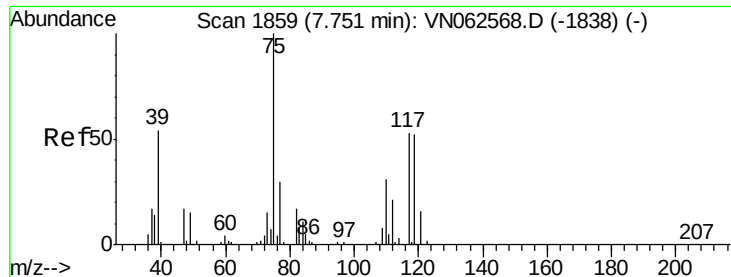
#35
 Dibromofluoromethane
 Concen: 49.501 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN062612.D
 Acq: 27 Jul 2020 20:42

Tgt Ion:113 Resp: 82491
 Ion Ratio Lower Upper
 113 100
 111 103.3 82.7 124.1
 192 19.3 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

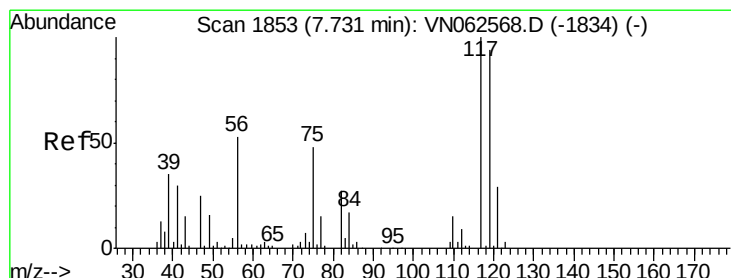
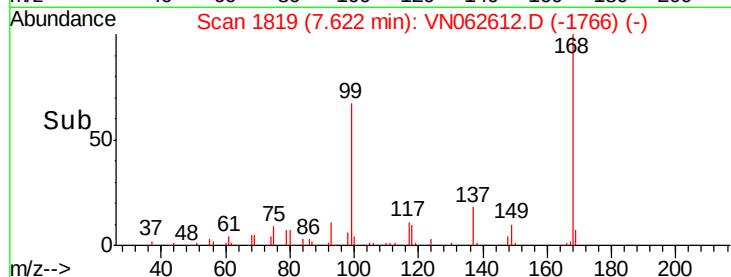
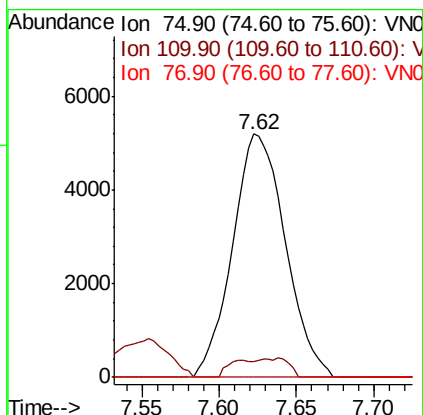
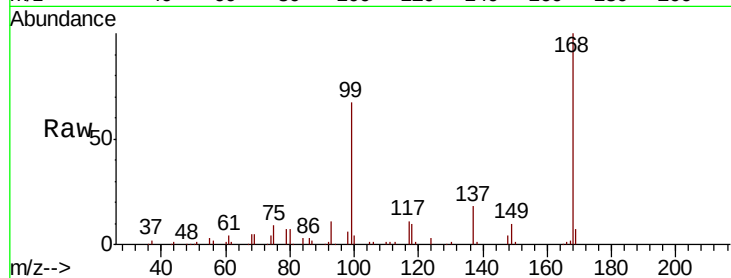




#36
 1,1-Dichloropropene
 Concen: 4.558 ug/l
 RT: 7.62 min Scan# 1819
 Delta R.T. -0.13 min
 Lab File: VN062612.D
 Acq: 27 Jul 2020 20:42

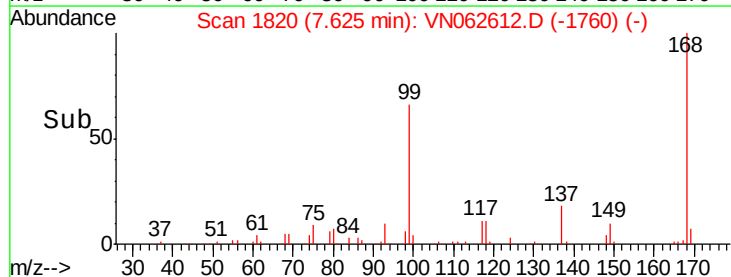
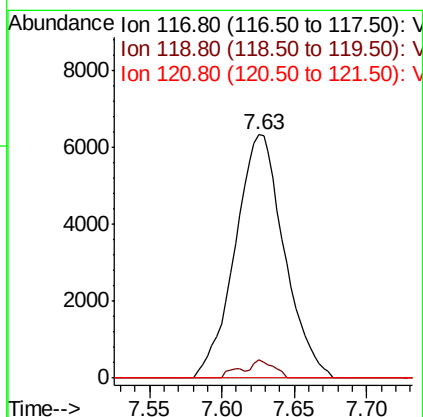
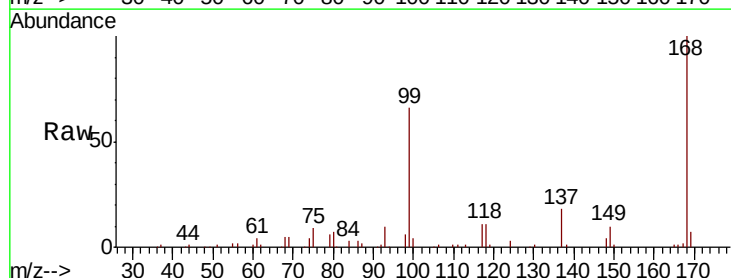
Instrument :
 MSVOA_N
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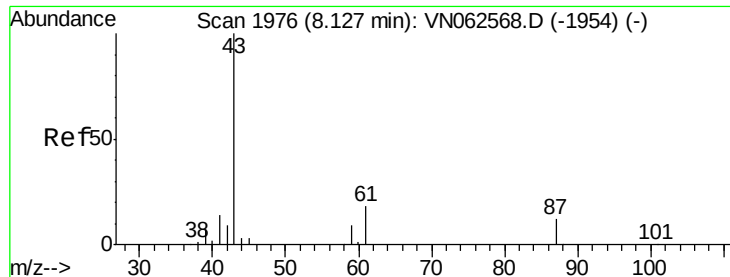
Tot Ion	Ratio	Lower	Upper
75	100		
110	2.9	16.0	48.0#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 5.744 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.11 min
 Lab File: VN062612.D
 Acq: 27 Jul 2020 20:42

Tgt Ion	Ratio	Lower	Upper
117	100		
119	7.3	74.8	112.2#
121	0.0	23.0	34.6#





#43

Isopropyl Acetate

Concen: 7.757 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN062612.D

Acq: 27 Jul 2020 20:42

Instrument :

MSVOA_N

ClientSampleId :

PB130485ZHE#09

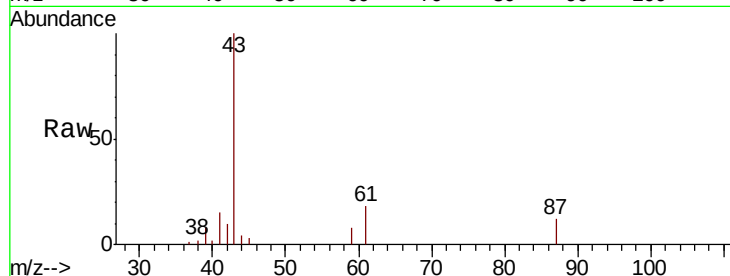
Tot Ion: 43 Resp: 36449

Ion Ratio Lower Upper

43 100

61 17.9 20.8 31.2#

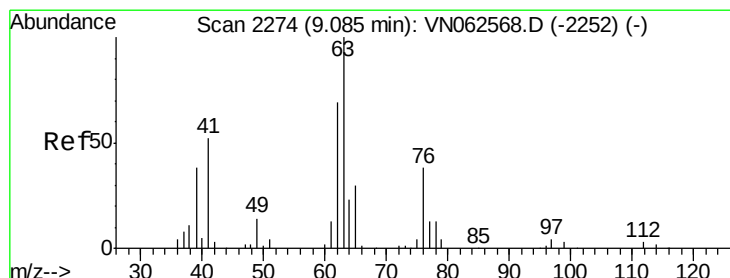
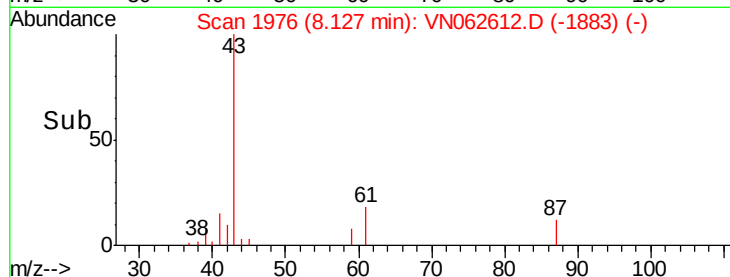
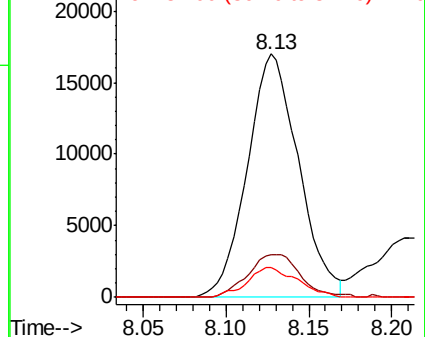
87 12.2 9.2 13.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#45

1,2-Dichloropropane

Concen: 0.349 ug/l

RT: 9.24 min Scan# 2321

Delta R.T. 0.15 min

Lab File: VN062612.D

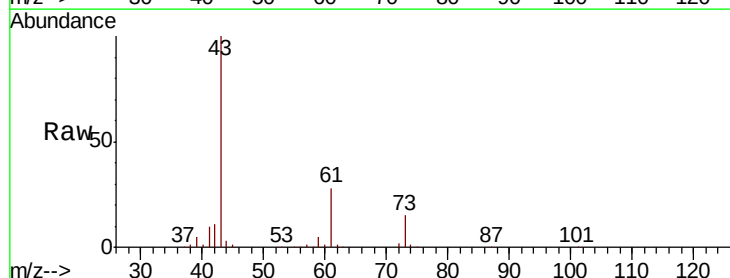
Acq: 27 Jul 2020 20:42

Tgt Ion: 63 Resp: 803

Ion Ratio Lower Upper

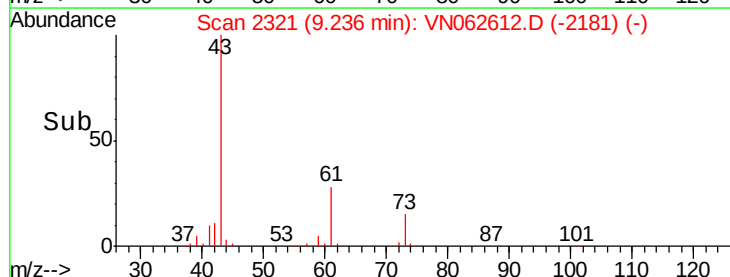
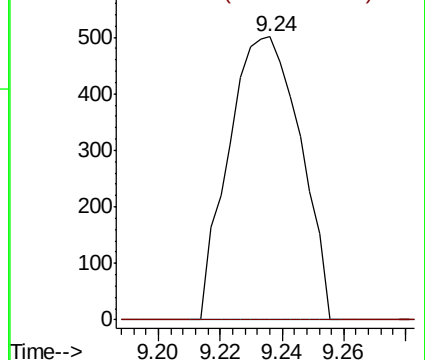
63 100

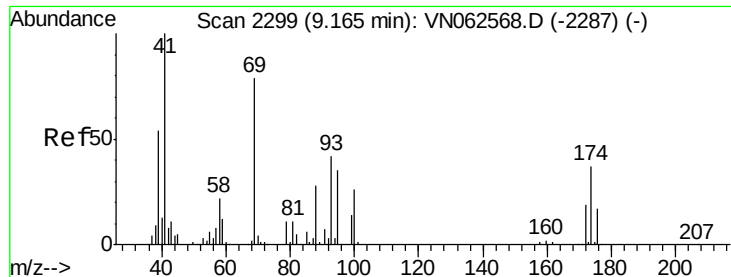
65 0.0 24.4 36.6#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

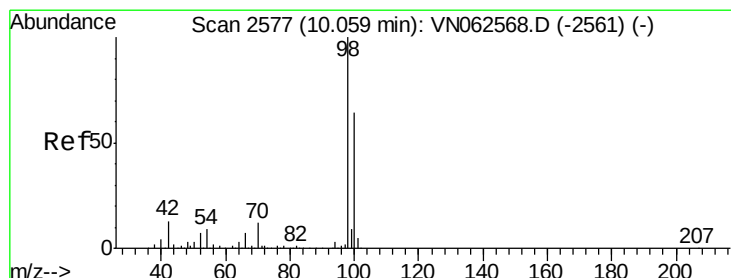
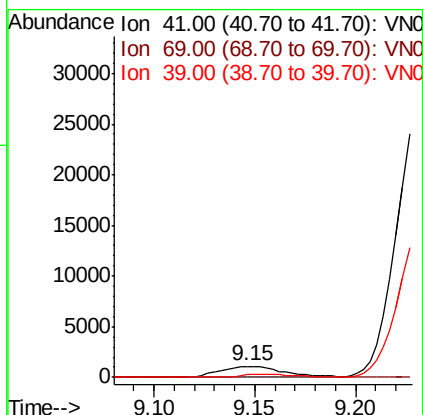
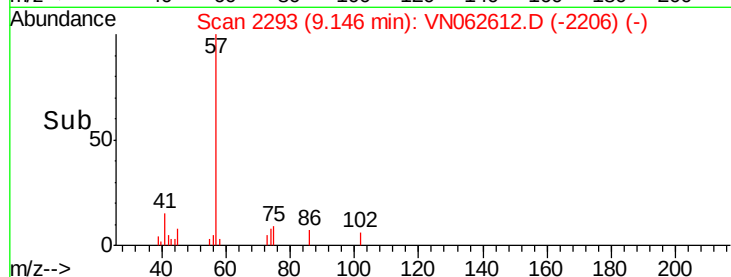
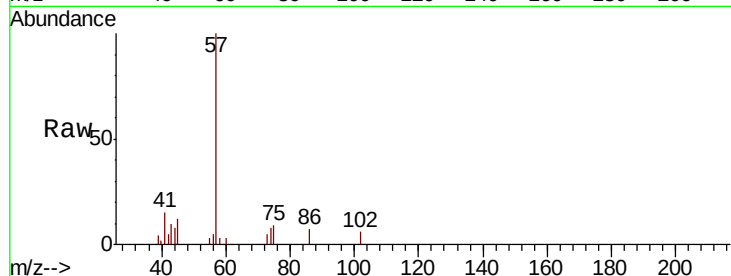




#48
Methvl methacrylate
Concen: 1.060 ug/l
RT: 9.15 min Scan# 2293
Delta R.T. -0.02 min
Lab File: VN062612.D
Acq: 27 Jul 2020 20:42

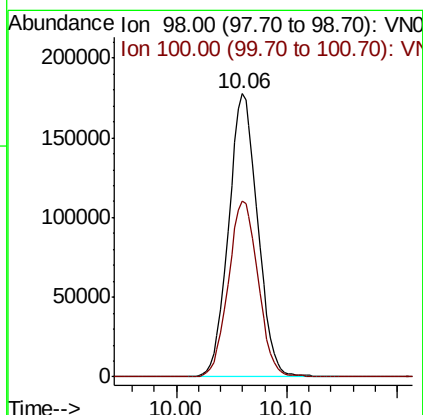
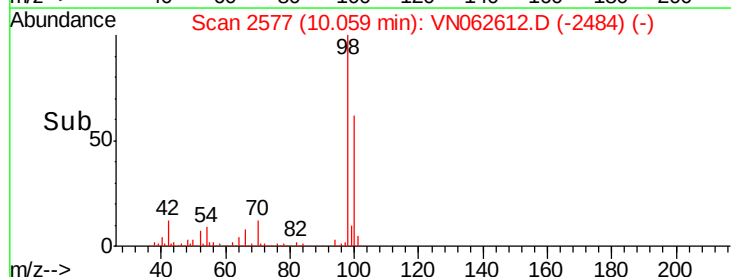
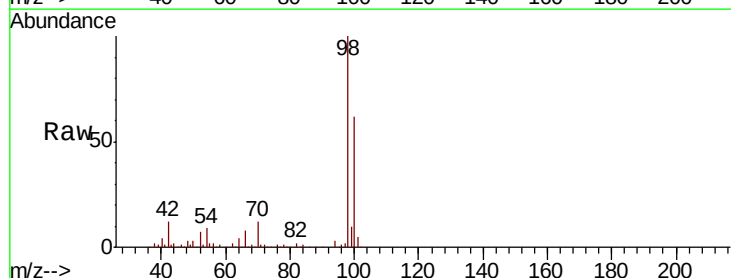
Instrument :
MSVOA_N
ClientSampleId :
PB130485ZHE#09

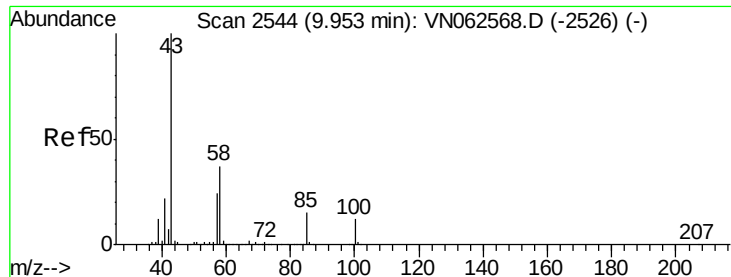
Tot Ion: 41 Resp: 2368
Ion Ratio Lower Upper
41 100
69 0.0 64.4 96.6#
39 0.0 43.5 65.3#



#50
Toluene-d8
Concen: 48.892 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN062612.D
Acq: 27 Jul 2020 20:42

Tgt Ion: 98 Resp: 325080
Ion Ratio Lower Upper
98 100
100 63.7 50.9 76.3

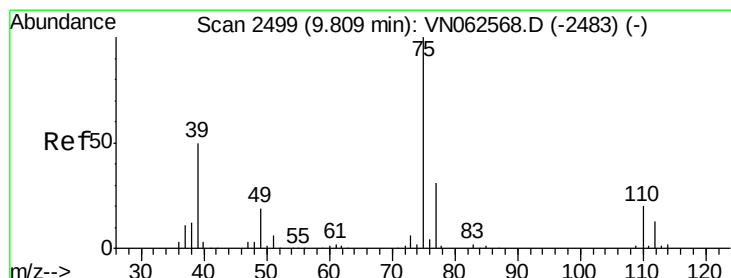
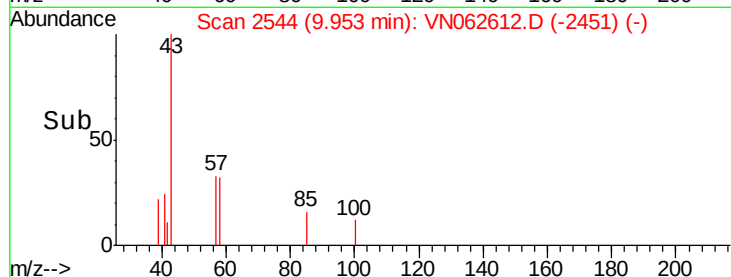
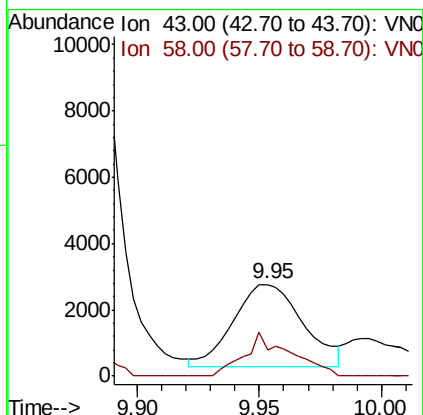
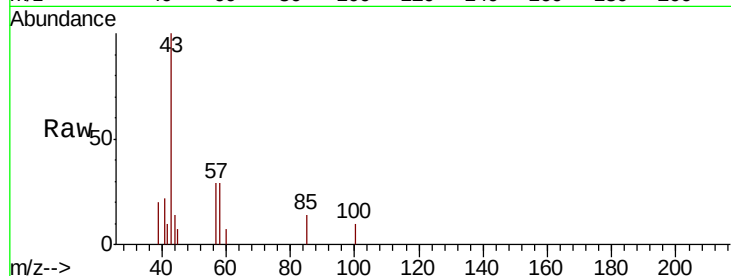




#51
 4-Methyl-2-Pentanone
 Concen: 1.771 ug/l
 RT: 9.95 min Scan# 2544
 Delta R.T. 0.00 min
 Lab File: VN062612.D
 Acq: 27 Jul 2020 20:42

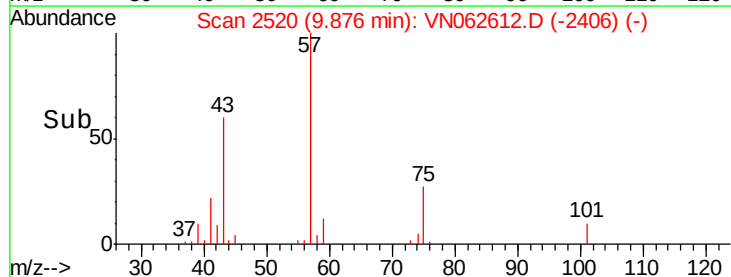
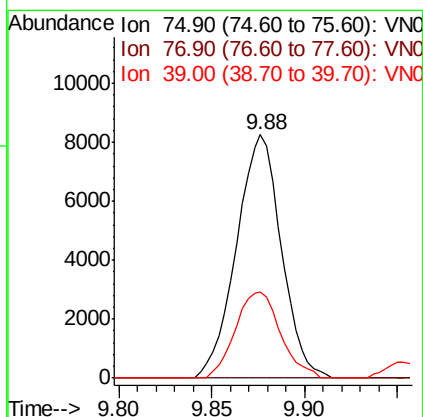
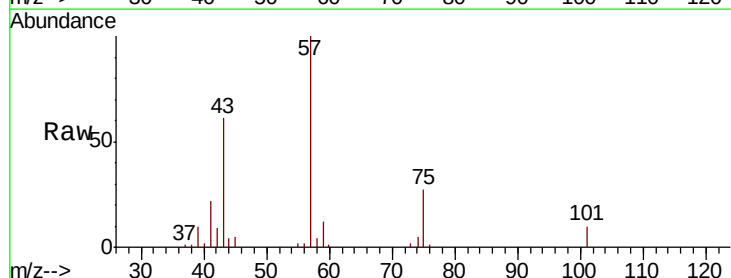
Instrument :
 MSVOA_N
 ClientSampleId :
 PB130485ZHE#09

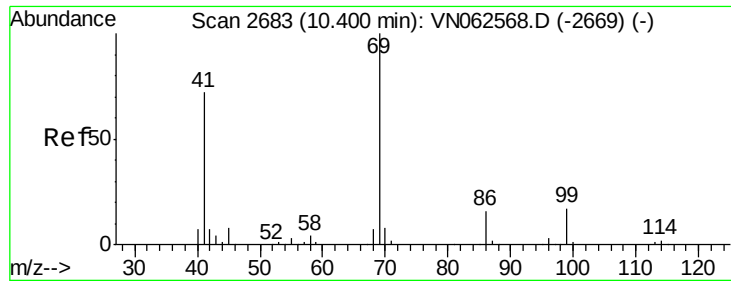
Tot Ion: 43 Resp: 4979
 Ion Ratio Lower Upper
 43 100
 58 34.4 29.8 44.6



#54
 cis-1,3-Dichloropropene
 Concen: 4.034 ug/l
 RT: 9.88 min Scan# 2520
 Delta R.T. 0.07 min
 Lab File: VN062612.D
 Acq: 27 Jul 2020 20:42

Tgt Ion: 75 Resp: 13869
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.6#
 39 35.6 39.8 59.8#





#56

Ethyl methacrylate

Concen: 1.917 ug/l

RT: 10.51 min Scan# 2718

Delta R.T. 0.11 min

Lab File: VN062612.D

Acq: 27 Jul 2020 20:42

Instrument :

MSVOA_N

ClientSampleId :

PB130485ZHE#09

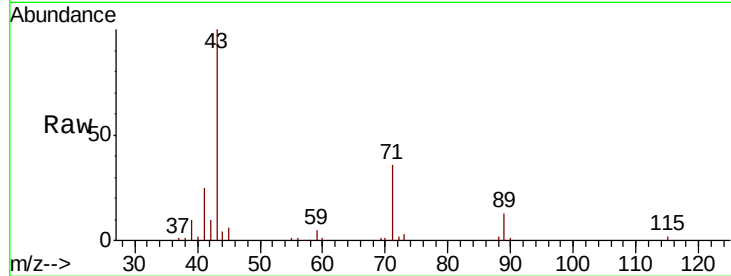
Tot Ion: 69 Resp: 509

Ion Ratio Lower Upper

69 100

41 4940.5 57.2 85.8#

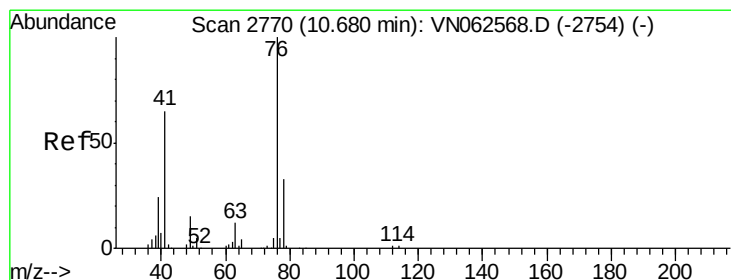
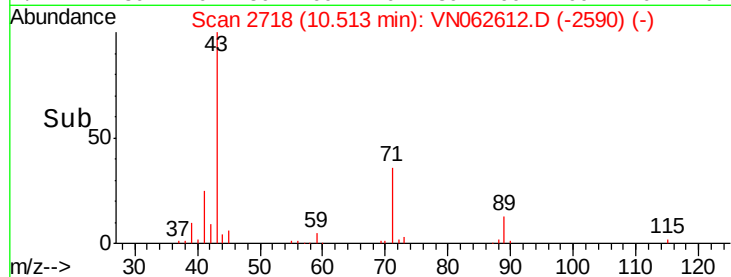
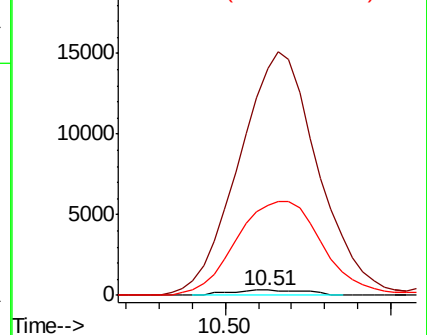
39 2103.7 28.6 43.0#



Abundance Ion 69.00 (68.70 to 69.70): VN062612.D (-2718) (-)

Ion 41.00 (40.70 to 41.70): VN062612.D (-2718) (-)

Ion 39.00 (38.70 to 39.70): VN062612.D (-2718) (-)



#57

1,3-Dichloropropane

Concen: 0.737 ug/l

RT: 10.73 min Scan# 2787

Delta R.T. 0.05 min

Lab File: VN062612.D

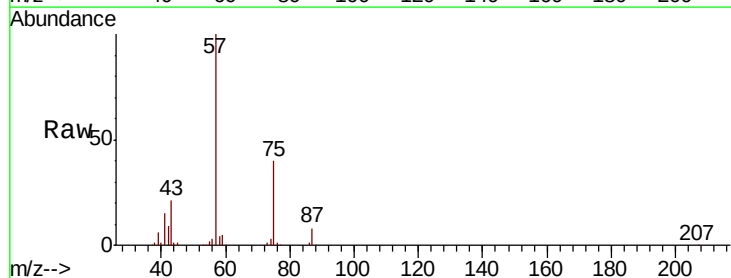
Acq: 27 Jul 2020 20:42

Tgt Ion: 76 Resp: 2489

Ion Ratio Lower Upper

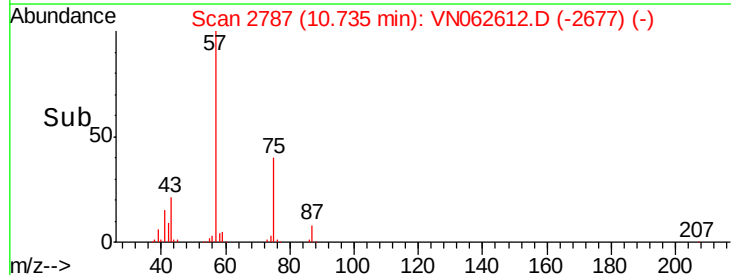
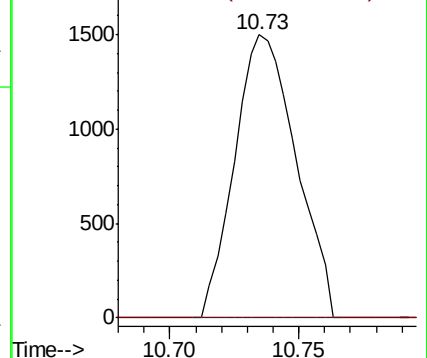
76 100

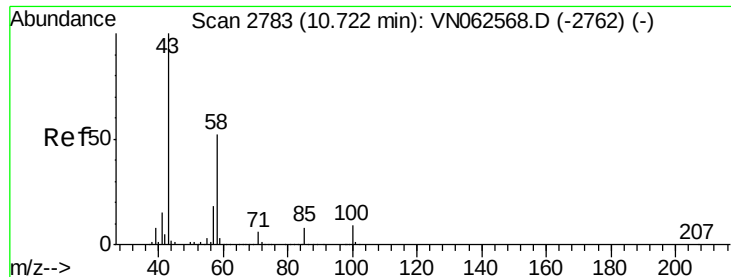
78 0.0 26.3 39.5#



Abundance Ion 75.90 (75.60 to 76.60): VN062612.D (-2787) (-)

Ion 77.90 (77.60 to 78.60): VN062612.D (-2787) (-)





#59

2-Hexanone

Concen: 21.249 ug/l

RT: 10.74 min Scan# 2788

Delta R.T. 0.02 min

Lab File: VN062612.D

Acq: 27 Jul 2020 20:42

Instrument :

MSVOA_N

ClientSampleId :

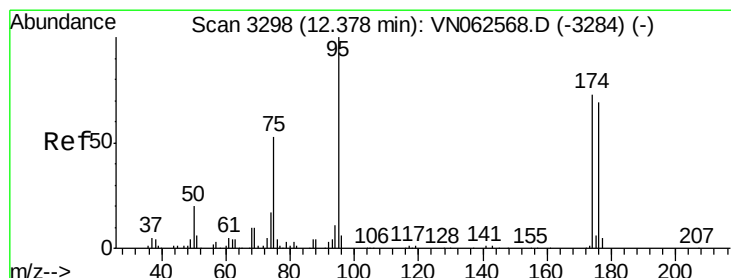
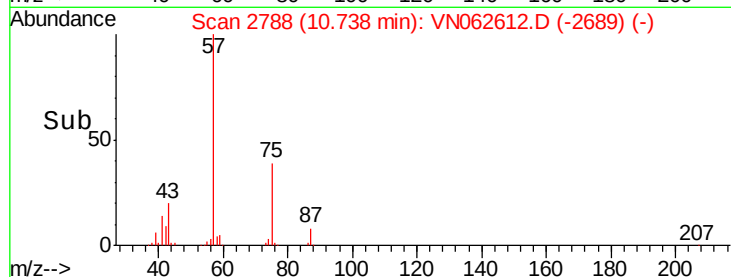
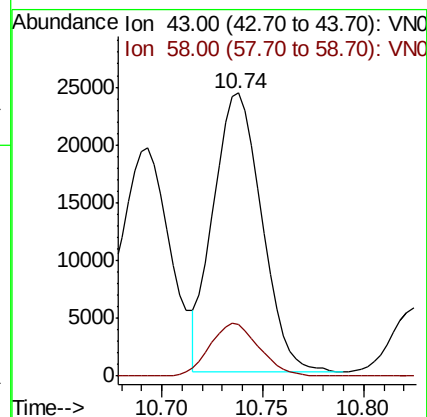
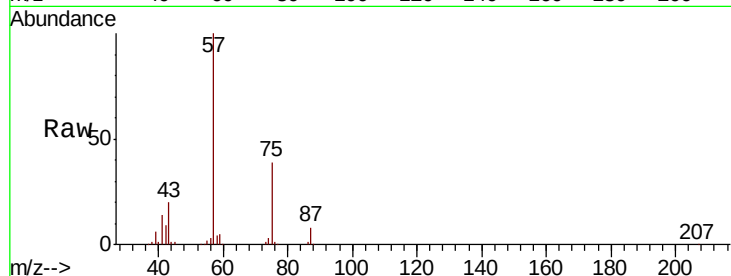
PB130485ZHE#09

Tot Ion: 43 Resp: 40246

Ion Ratio Lower Upper

43 100

58 19.3 26.0 78.0#



#62

4-Bromofluorobenzene

Concen: 52.040 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN062612.D

Acq: 27 Jul 2020 20:42

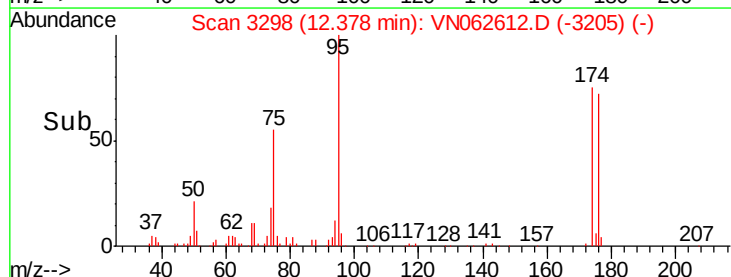
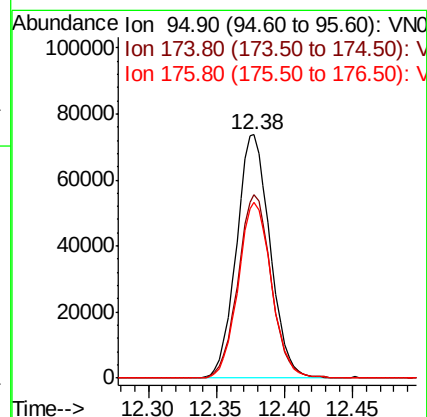
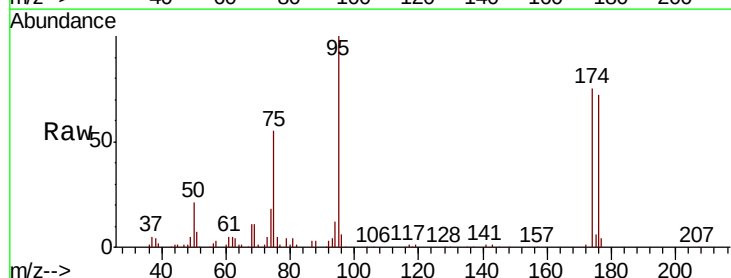
Tgt Ion: 95 Resp: 126516

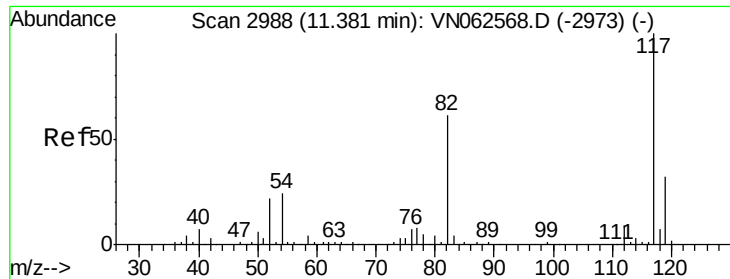
Ion Ratio Lower Upper

95 100

174 74.2 0.0 144.6

176 71.1 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: VN062612.D

Acq: 27 Jul 2020 20:42

Instrument :

MSVOA_N

ClientSampleId :

PB130485ZHE#09

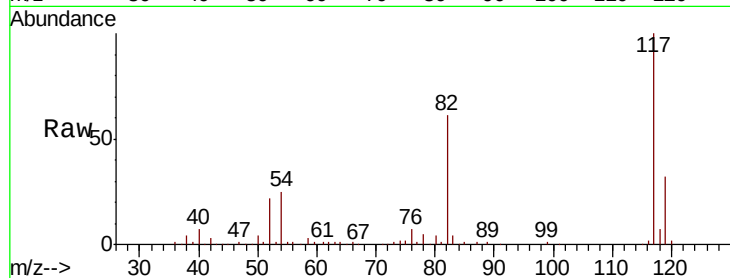
Tot Ion:117 Resp: 253806

Ion Ratio Lower Upper

117 100

82 60.9 49.0 73.6

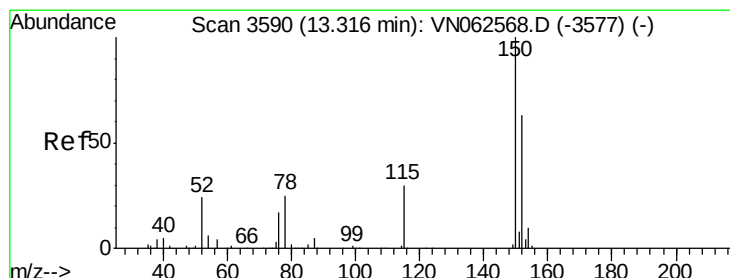
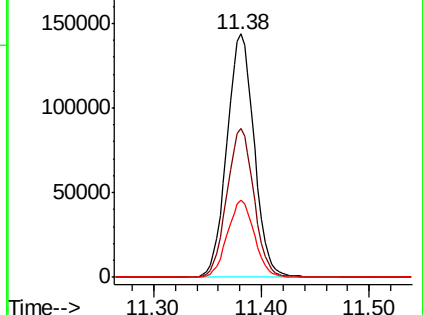
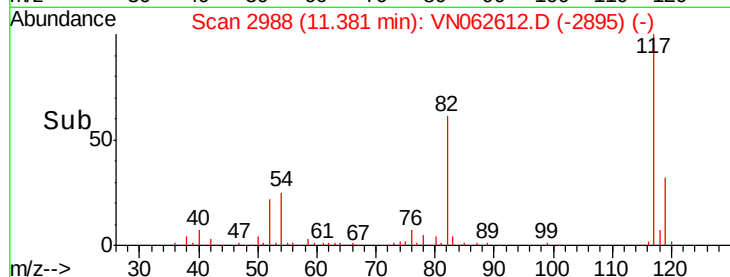
119 31.5 25.4 38.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

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: VN062612.D

Acq: 27 Jul 2020 20:42

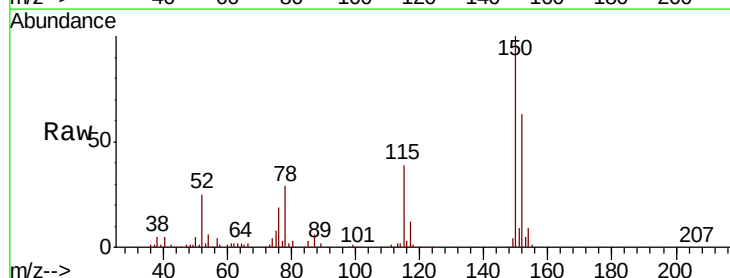
Tgt Ion:152 Resp: 107349

Ion Ratio Lower Upper

152 100

115 62.1 31.8 95.4

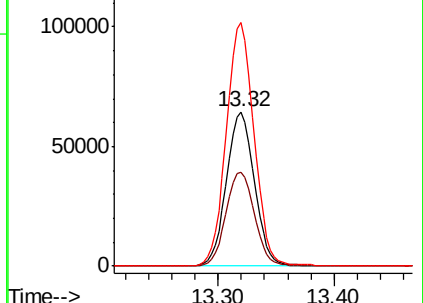
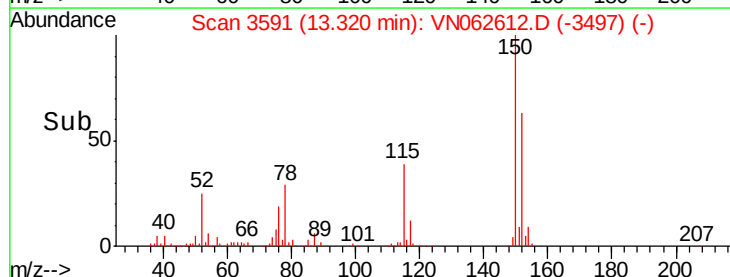
150 156.2 0.0 351.4

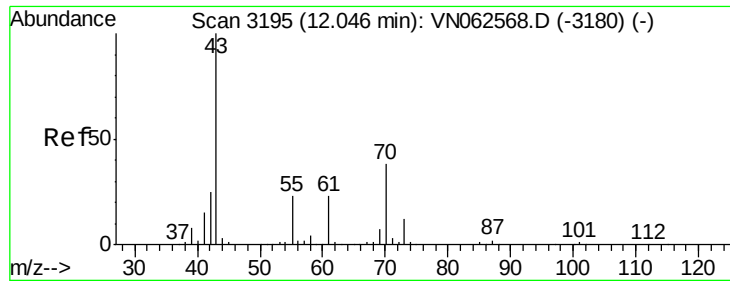


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 0.372 ug/l

RT: 12.01 min Scan# 3185

Delta R.T. -0.03 min

Lab File: VN062612.D

Acq: 27 Jul 2020 20:42

Instrument :

MSVOA_N

ClientSampleId :

PB130485ZHE#09

Tot Ion: 43 Resp: 1412

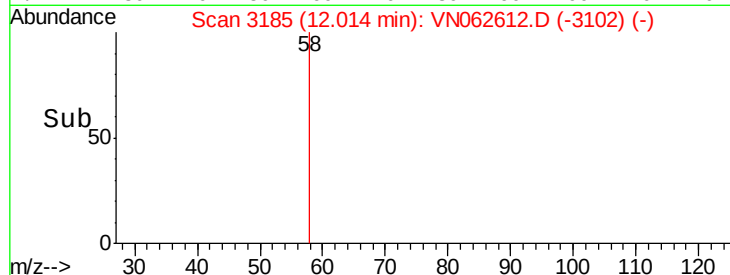
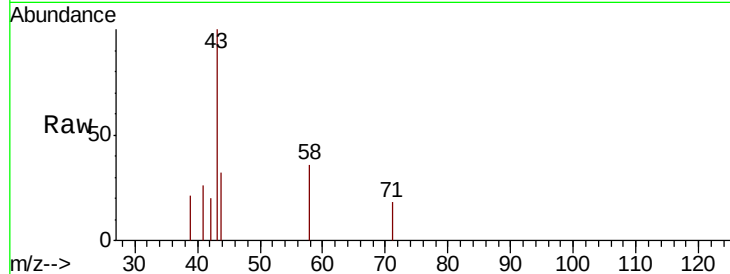
Ion Ratio Lower Upper

43 100

70 0.0 30.5 45.7#

55 0.0 19.0 28.6#

61 0.0 18.4 27.6#

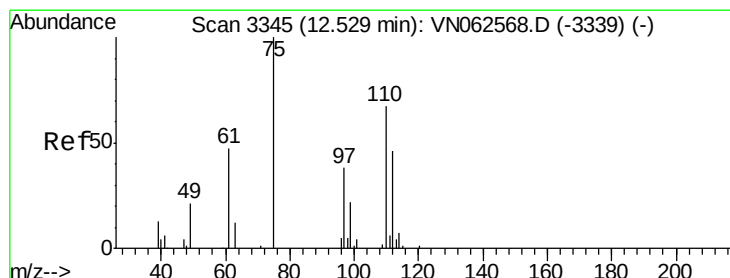
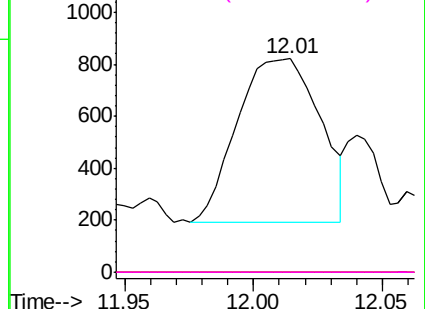


Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 25.611 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062612.D

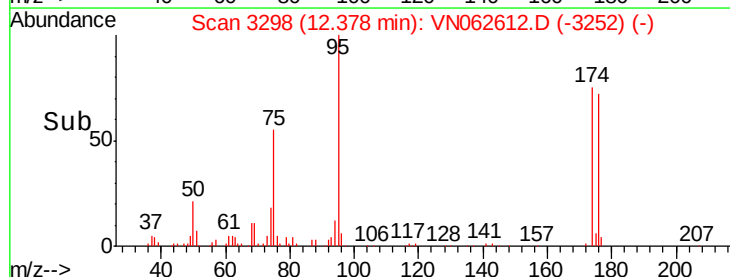
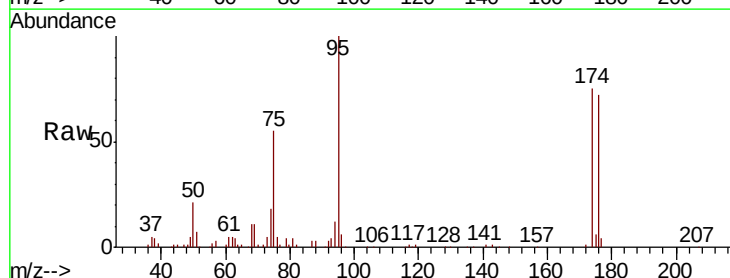
Acq: 27 Jul 2020 20:42

Tgt Ion: 75 Resp: 69979

Ion Ratio Lower Upper

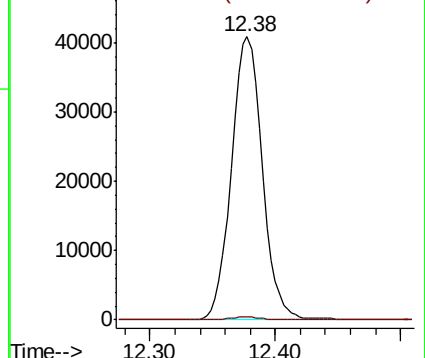
75 100

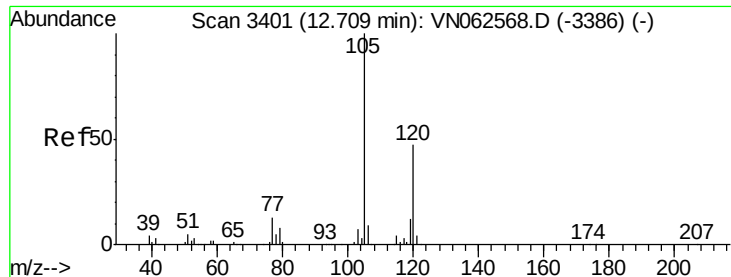
77 0.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

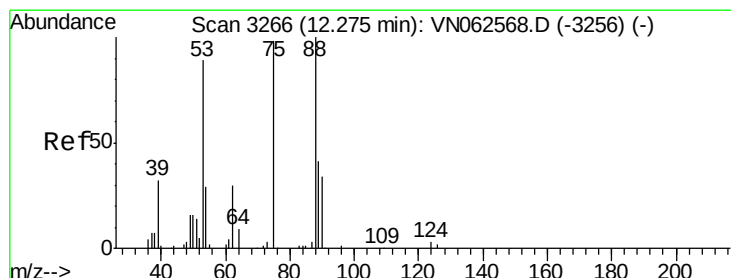
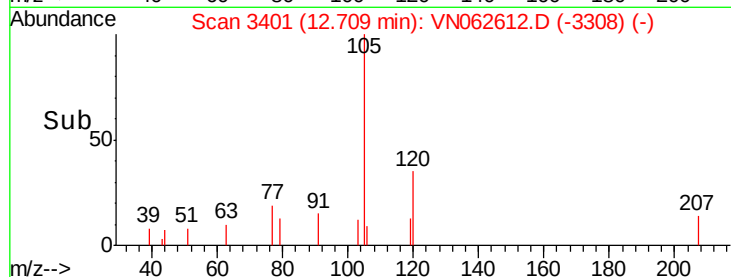
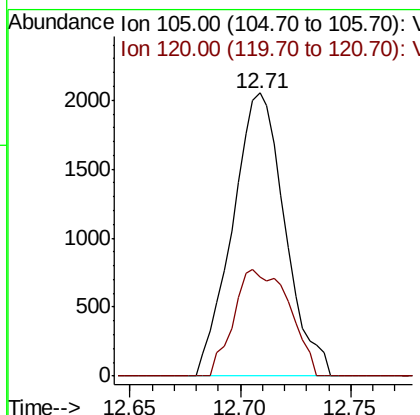
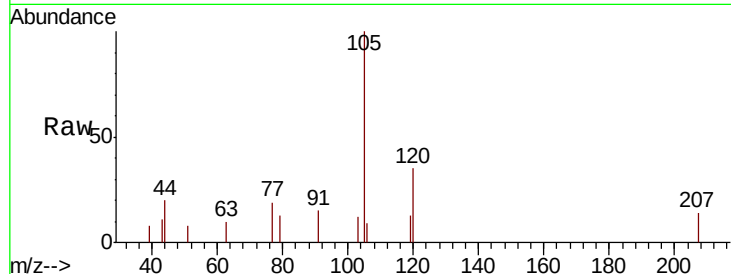




#80
 1,3,5-Trimethylbenzene
 Concen: 0.480 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. 0.00 min
 Lab File: VN062612.D
 Acq: 27 Jul 2020 20:42

Instrument :
 MSVOA_N
 ClientSampleId :
 PB130485ZHE#09

Tot Ion:105 Resp: 3381
 Ion Ratio Lower Upper
 105 100
 120 39.6 23.2 69.6



#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.294 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.10 min
 Lab File: VN062612.D
 Acq: 27 Jul 2020 20:42

Tgt Ion: 75 Resp: 69979
 Ion Ratio Lower Upper
 75 100
 53 0.0 75.4 113.0#
 89 0.0 34.5 51.7#

