

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080720\
 Data File : VN062784.D
 Acq On : 7 Aug 2020 17:16
 Operator : JC/MD
 Sample : PB130790ZHE#01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB130790ZHE#01

Quant Time: Aug 08 02:14:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080520W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:26:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	133858	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	238517	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	254552	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	87011	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	114682	51.81	ug/l	0.00
Spiked Amount			Recovery	=	103.62%	
35) Dibromofluoromethane	7.55	113	83087	50.92	ug/l	0.00
Spiked Amount			Recovery	=	101.84%	
50) Toluene-d8	10.06	98	324427	50.93	ug/l	0.00
Spiked Amount			Recovery	=	101.86%	
62) 4-Bromofluorobenzene	12.38	95	116043	48.21	ug/l	0.00
Spiked Amount			Recovery	=	96.42%	

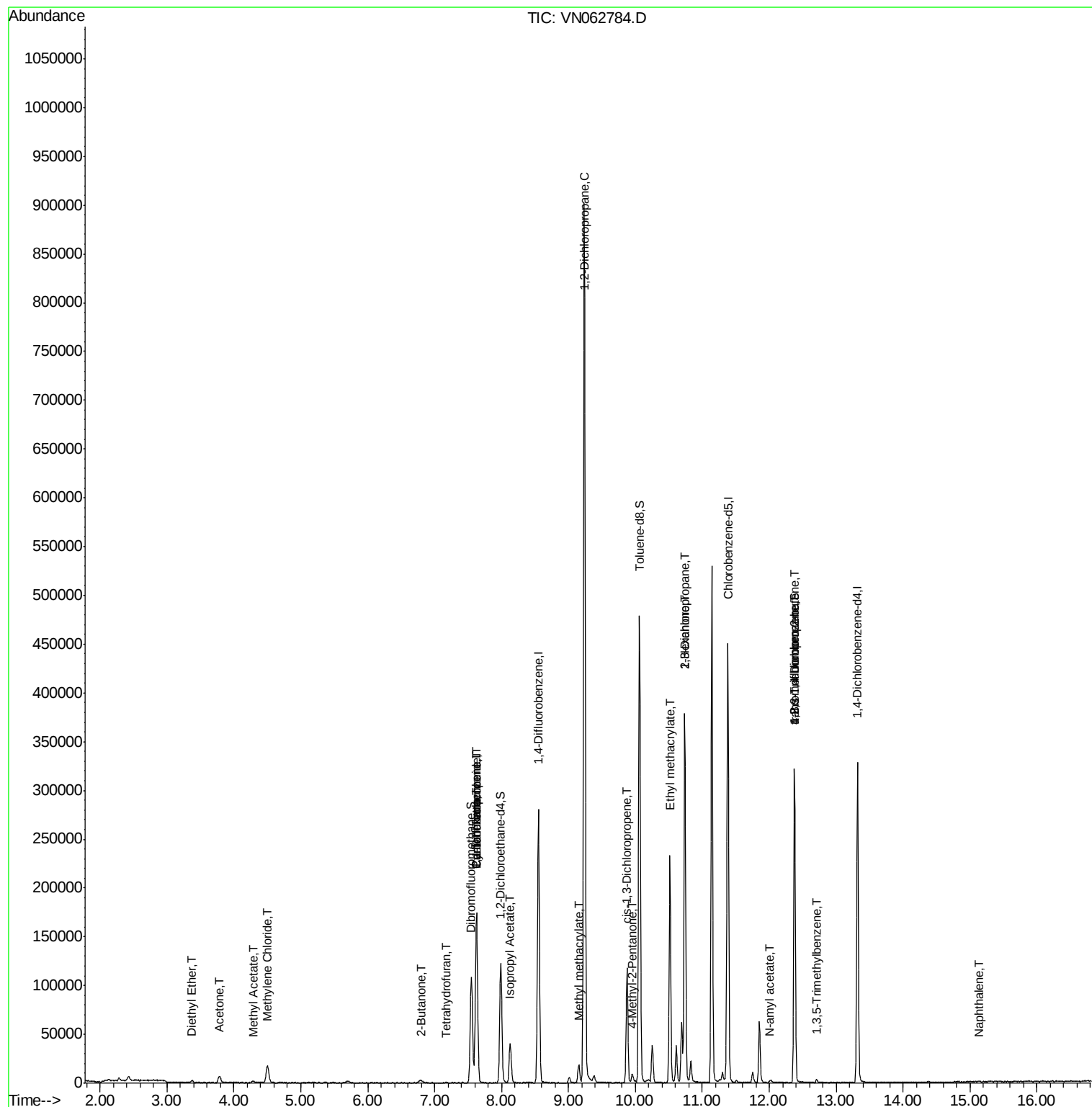
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.37	74	760	0.878	ug/l	92
16) Acetone	3.78	43	11709	14.639	ug/l	99
17) Carbon Disulfide	4.00	76	273	Below Cal	#	74
18) Methyl Acetate	4.29	43	3467	0.719	ug/l #	84
20) Methylene Chloride	4.49	84	5637	3.138	ug/l	94
25) 2-Butanone	6.80	43	2774	2.449	ug/l #	84
29) Tetrahydrofuran	7.18	42	556	0.755	ug/l #	33
31) Cyclohexane	7.62	56	1686	0.628	ug/l #	11
36) 1,1-Dichloropropene	7.63	75	11783	5.073	ug/l #	49
38) Carbon Tetrachloride	7.63	117	13991	5.094	ug/l #	16
43) Isopropyl Acetate	8.13	43	48042	11.872	ug/l	97
45) 1,2-Dichloropropane	9.23	63	879	0.469	ug/l #	45
48) Methyl methacrylate	9.15	41	2752	1.383	ug/l #	13
51) 4-Methyl-2-Pentanone	9.95	43	5363	2.048	ug/l	93
54) cis-1,3-Dichloropropene	9.88	75	21020	6.896	ug/l #	63
56) Ethyl methacrylate	10.52	69	1237	0.450	ug/l #	1
57) 1,3-Dichloropropane	10.74	76	3606	1.161	ug/l #	43
59) 2-Hexanone	10.74	43	54596	27.955	ug/l #	54
74) N-amyl acetate	12.01	43	2931	1.104	ug/l #	44
76) 1,2,3-Trichloropropane	12.38	75	61829	26.348	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.72	105	2497	0.439	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	61829	80.434	ug/l #	10
95) Naphthalene	15.13	128	251	3.766	ug/l #	68

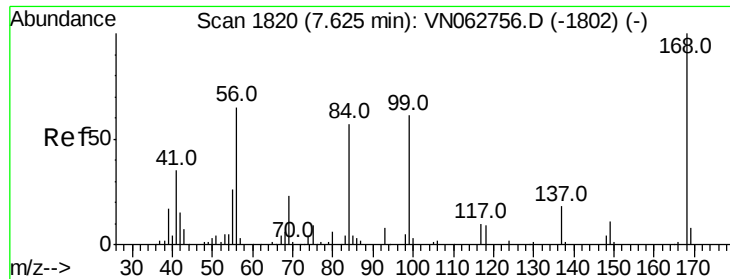
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : PB130790ZHE#01
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N080520W.M
Quant Title : SW846 8260
QLast Update : Wed Aug 05 13:26:42 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: VN062784.D

Acq: 7 Aug 2020 17:16

Instrument :

MSVOA_N

ClientSampleId :

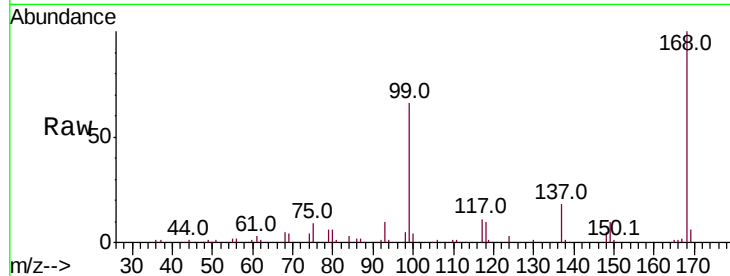
PB130790ZHE#01

Tot Ion:168 Resp: 133858

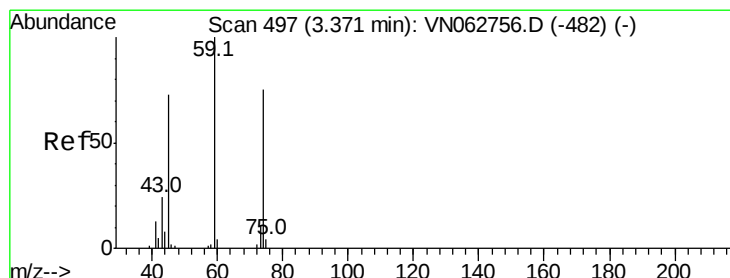
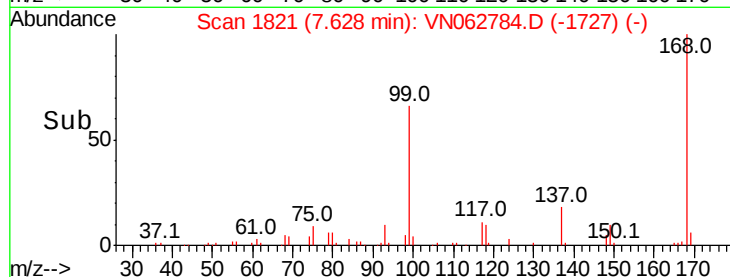
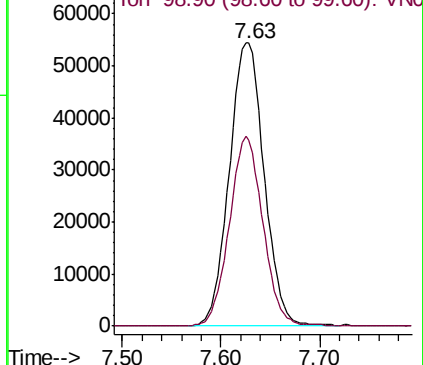
Ion Ratio Lower Upper

168 100

99 65.9 52.9 79.3



Abundance Ion 167.90 (167.60 to 168.60): VN062756.D (-1802) (-)



#8

Diethyl Ether

Concen: 0.878 ug/l

RT: 3.37 min Scan# 498

Delta R.T. 0.00 min

Lab File: VN062784.D

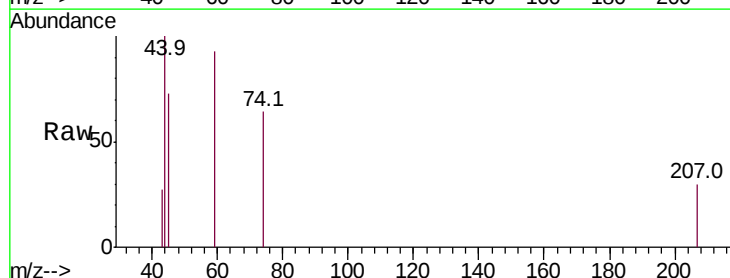
Acq: 7 Aug 2020 17:16

Tgt Ion: 74 Resp: 760

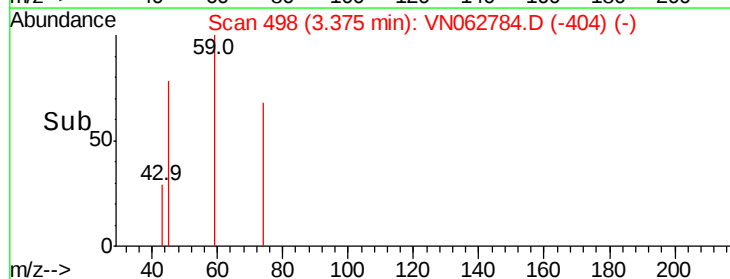
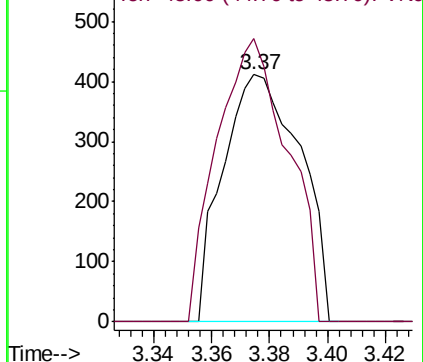
Ion Ratio Lower Upper

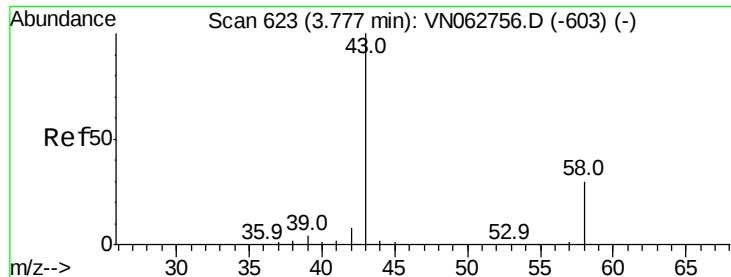
74 100

45 105.4 48.7 146.1



Abundance Ion 74.00 (73.70 to 74.70): VN062756.D (-482) (-)





#16

Acetone

Concen: 14.639 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.00 min

Lab File: VN062784.D

Acq: 7 Aug 2020 17:16

Instrument :

MSVOA_N

ClientSampleId :

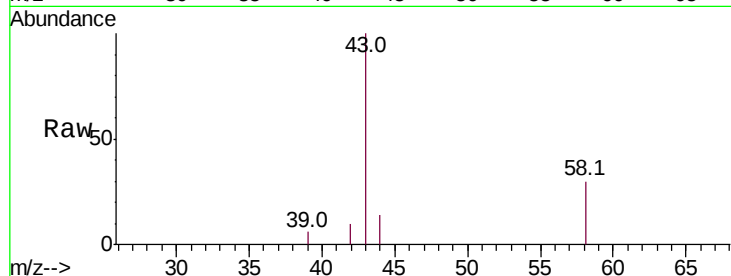
PB130790ZHE#01

Tot Ion: 43 Resp: 11709

Ion Ratio Lower Upper

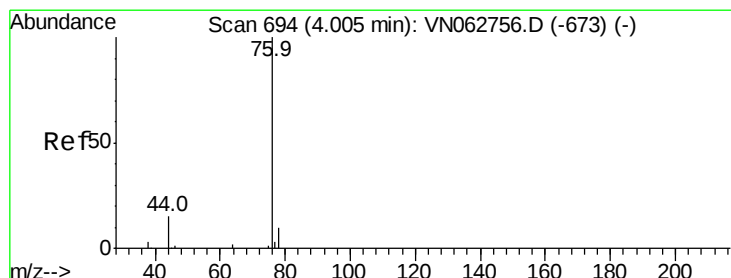
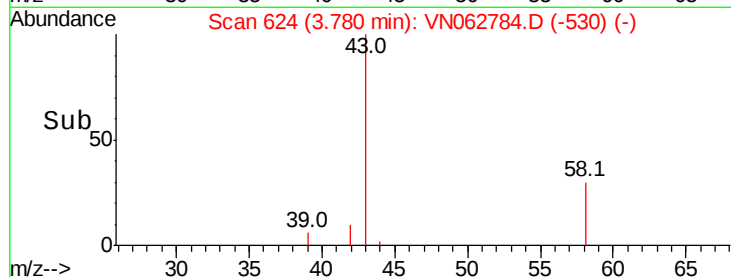
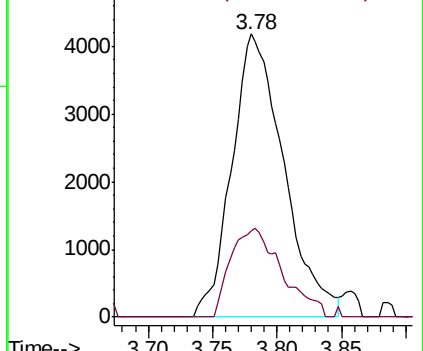
43 100

58 30.5 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#17

Carbon Disulfide

Concen: Below Cal

RT: 4.00 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN062784.D

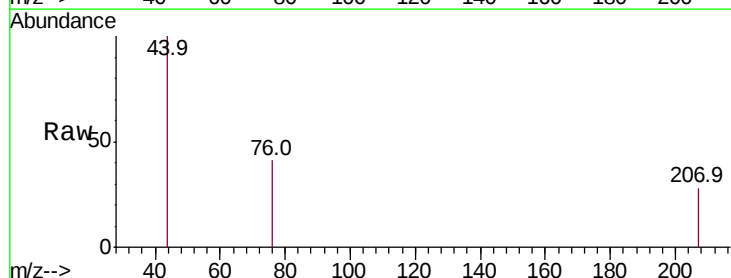
Acq: 7 Aug 2020 17:16

Tgt Ion: 76 Resp: 273

Ion Ratio Lower Upper

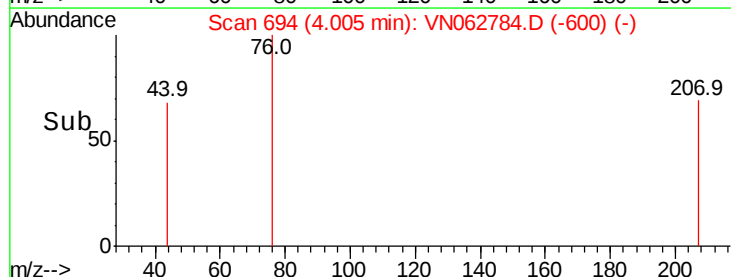
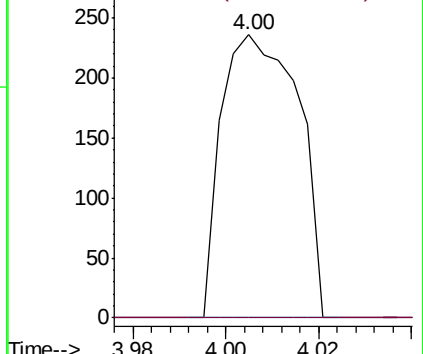
76 100

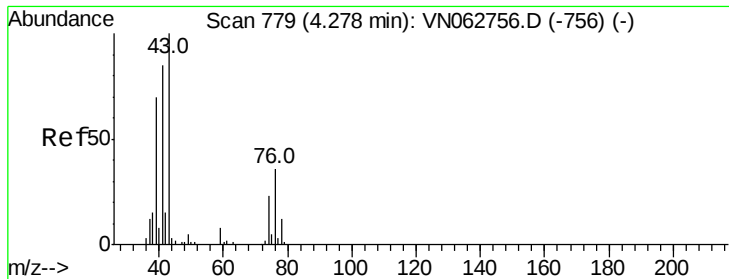
78 0.0 7.7 11.5#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

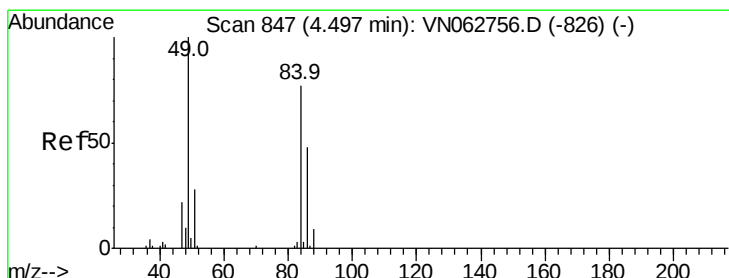
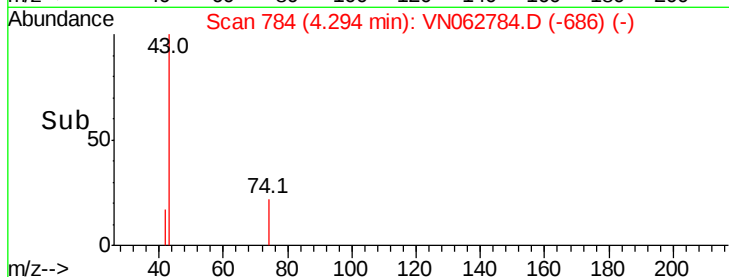
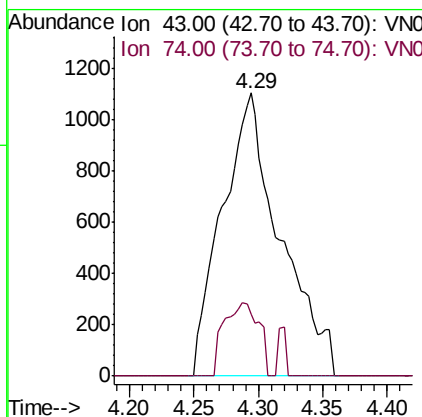
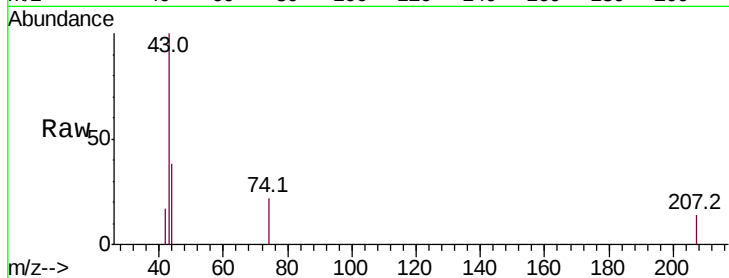




#18
Methyl Acetate
Concen: 0.719 ug/l
RT: 4.29 min Scan# 784
Delta R.T. 0.02 min
Lab File: VN062784.D
Acq: 7 Aug 2020 17:16

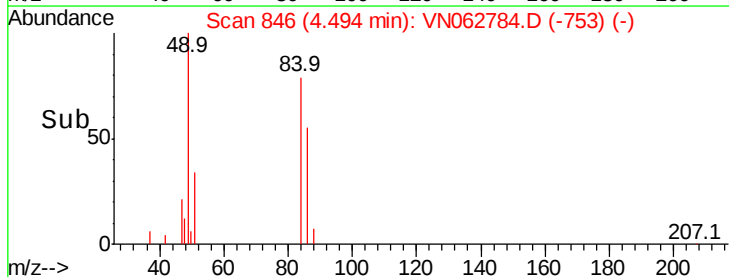
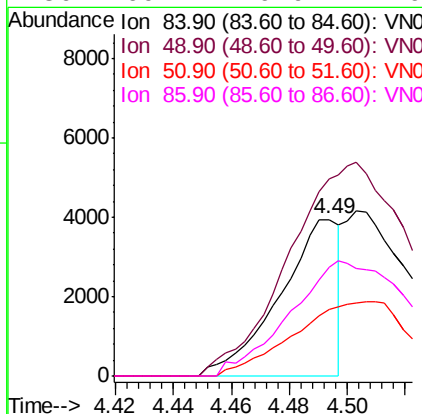
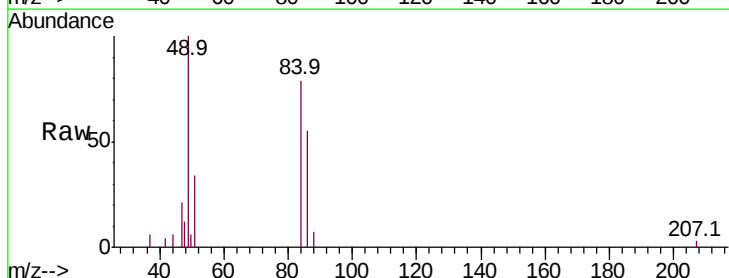
Instrument :
MSVOA_N
ClientSampleId :
PB130790ZHE#01

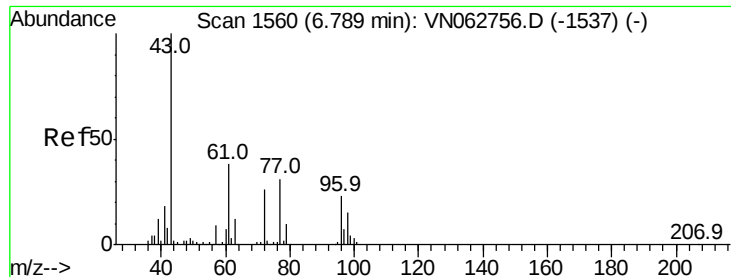
Tot Ion: 43 Resp: 3467
Ion Ratio Lower Upper
43 100
74 15.4 18.6 28.0#



#20
Methylene Chloride
Concen: 3.138 ug/l
RT: 4.49 min Scan# 846
Delta R.T. -0.00 min
Lab File: VN062784.D
Acq: 7 Aug 2020 17:16

Tgt Ion: 84 Resp: 5637
Ion Ratio Lower Upper
84 100
49 125.8 103.4 155.2
51 42.9 29.3 43.9
86 69.4 49.9 74.9

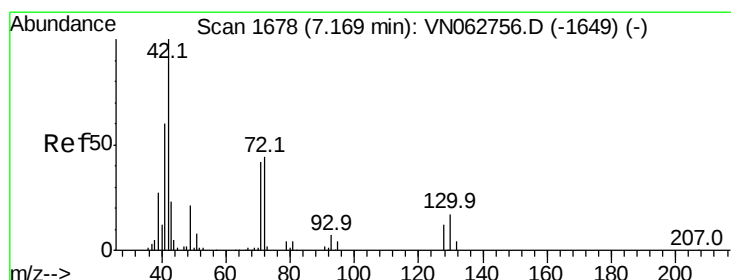
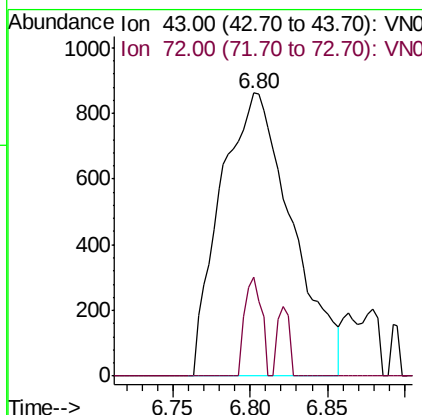
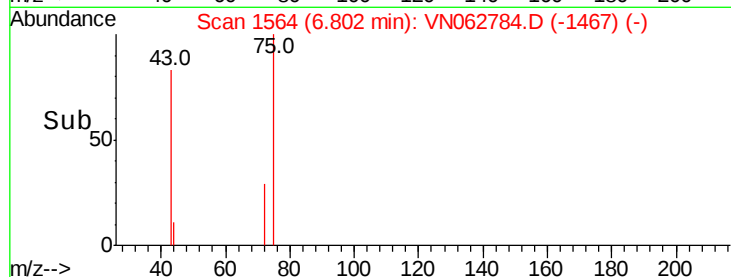
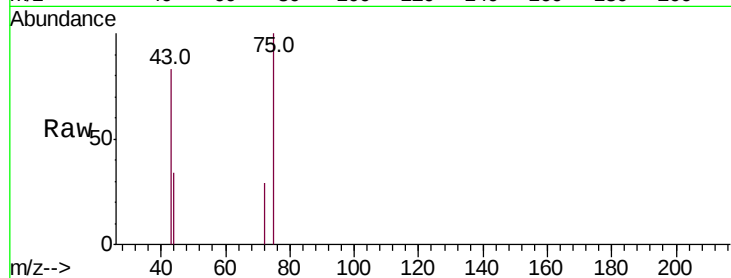




#25
2-Butanone
Concen: 2.449 ug/l
RT: 6.80 min Scan# 1564
Delta R.T. 0.01 min
Lab File: VN062784.D
Acq: 7 Aug 2020 17:16

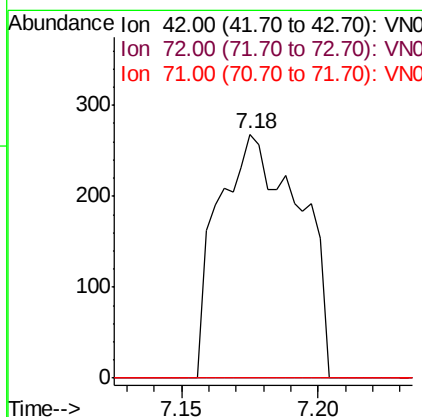
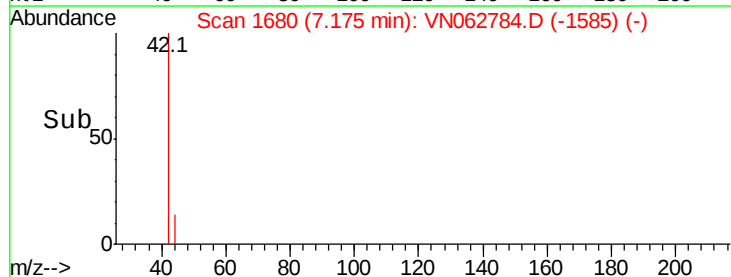
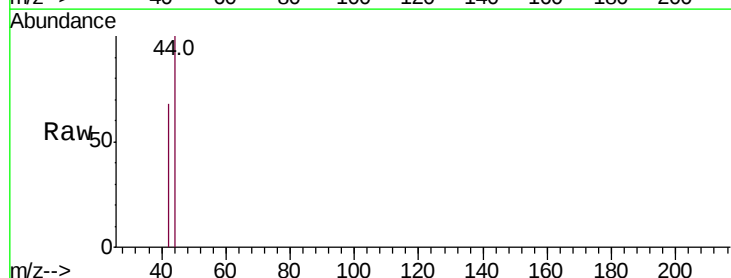
Instrument :
MSVOA_N
ClientSampleId :
PB130790ZHE#01

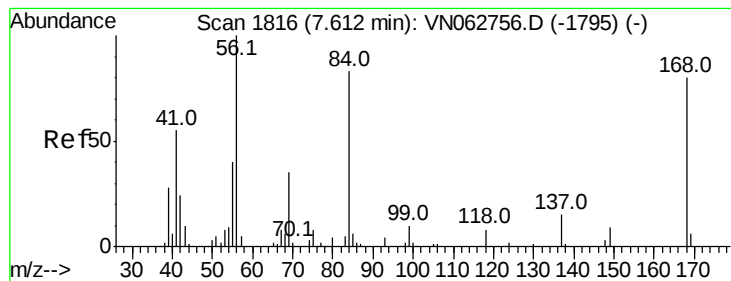
Tot Ion: 43 Resp: 2774
Ion Ratio Lower Upper
43 100
72 34.8 21.1 31.7#



#29
Tetrahydrofuran
Concen: 0.755 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.01 min
Lab File: VN062784.D
Acq: 7 Aug 2020 17:16

Tgt Ion: 42 Resp: 556
Ion Ratio Lower Upper
42 100
72 0.0 35.0 52.4#
71 0.0 33.2 49.8#





#31

Cyclohexane

Concen: 0.628 ug/l

RT: 7.62 min Scan# 1816

Delta R.T. 0.01 min

Lab File: VN062784.D

Acq: 7 Aug 2020 17:16

Instrument :

MSVOA_N

ClientSampleId :

PB130790ZHE#01

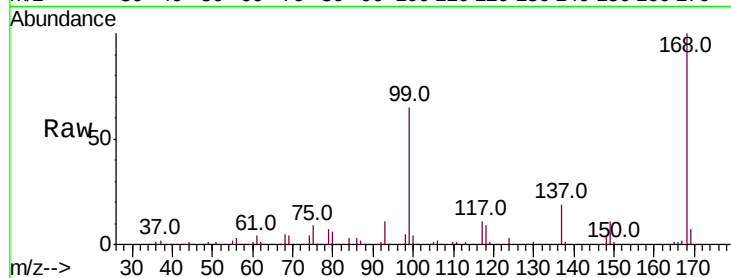
Tot Ion: 56 Resp: 1686

Ion Ratio Lower Upper

56 100

69 152.7 28.1 42.1#

84 120.6 66.8 100.2#

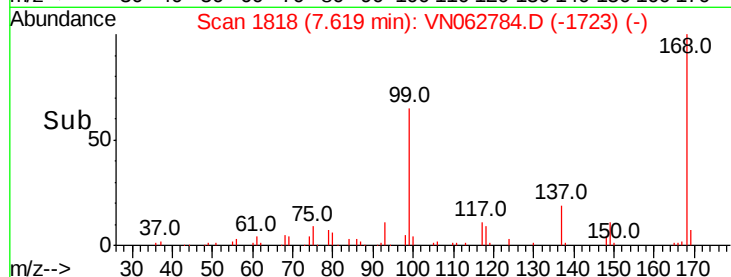


Abundance Ion 56.00 (55.70 to 56.70): VN062756.D (-1795) (-)

Ion 69.00 (68.70 to 69.70): VN062756.D (-1795) (-)

Ion 84.00 (83.70 to 84.70): VN062756.D (-1795) (-)

Time-->

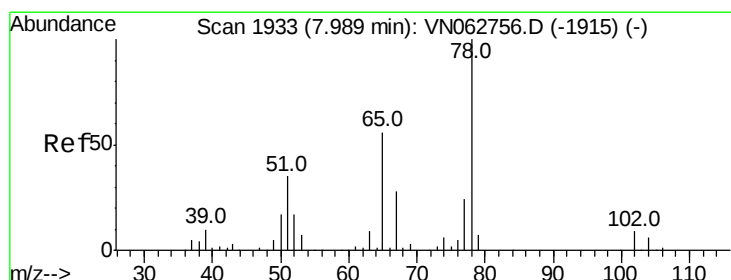


Abundance Ion 56.00 (55.70 to 56.70): VN062784.D (-1723) (-)

Ion 69.00 (68.70 to 69.70): VN062784.D (-1723) (-)

Ion 84.00 (83.70 to 84.70): VN062784.D (-1723) (-)

Time-->



#33

1,2-Dichloroethane-d4

Concen: 51.808 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. -0.00 min

Lab File: VN062784.D

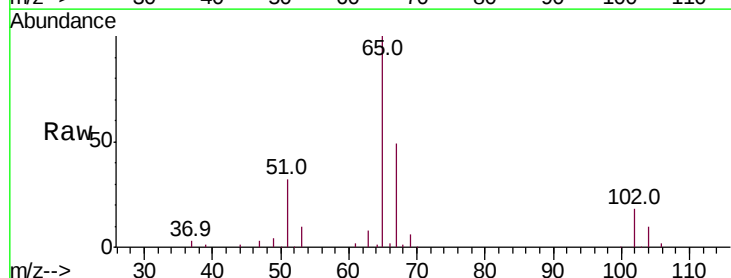
Acq: 7 Aug 2020 17:16

Tgt Ion: 65 Resp: 114682

Ion Ratio Lower Upper

65 100

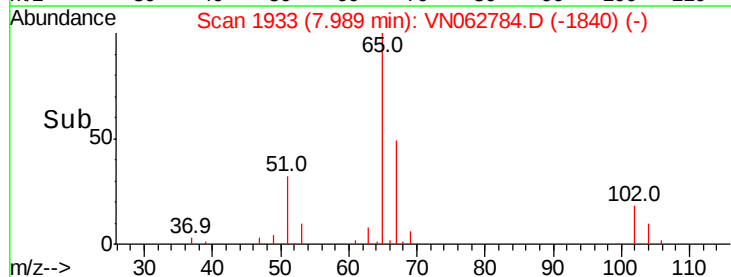
67 50.4 0.0 101.4



Abundance Ion 64.90 (64.60 to 65.60): VN062756.D (-1915) (-)

Ion 66.90 (66.60 to 67.60): VN062756.D (-1915) (-)

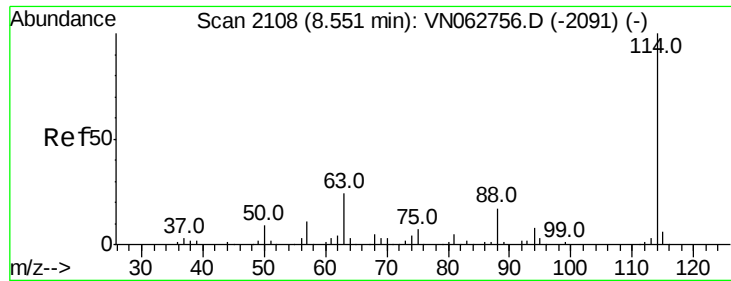
Time-->



Abundance Ion 64.90 (64.60 to 65.60): VN062784.D (-1840) (-)

Ion 66.90 (66.60 to 67.60): VN062784.D (-1840) (-)

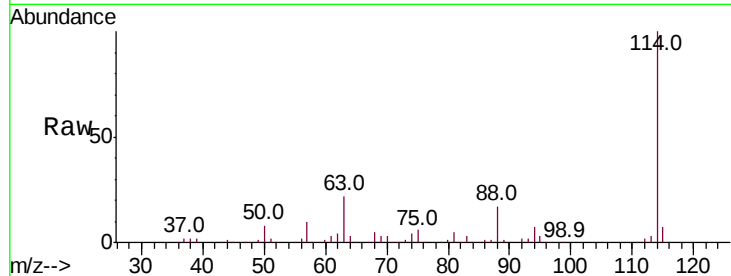
Time-->



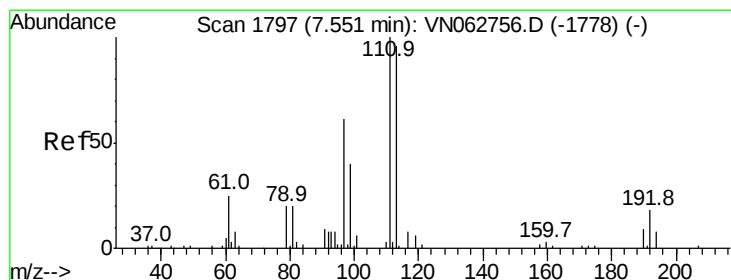
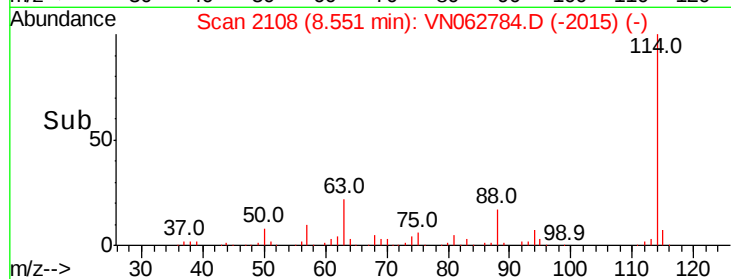
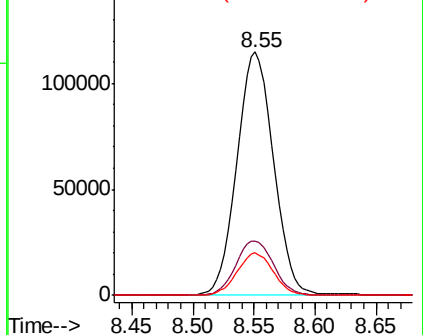
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062784.D
 Acq: 7 Aug 2020 17:16

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 PB130790ZHE#01

Tot Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	47.6
88	17.3	0.0	34.4

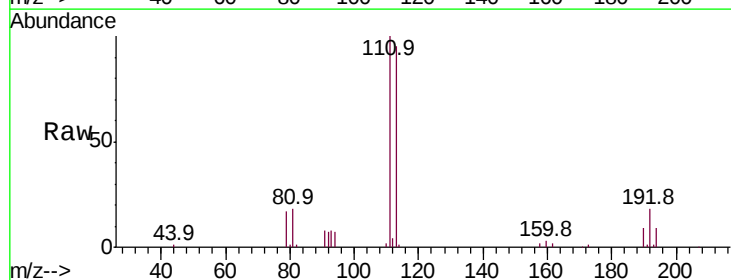


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

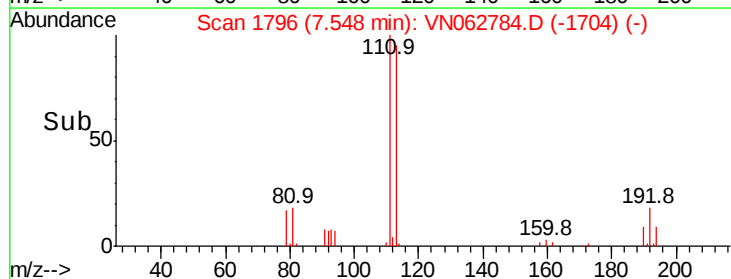
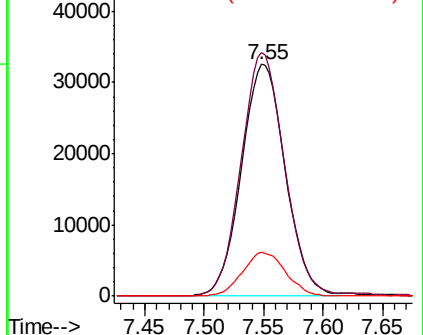


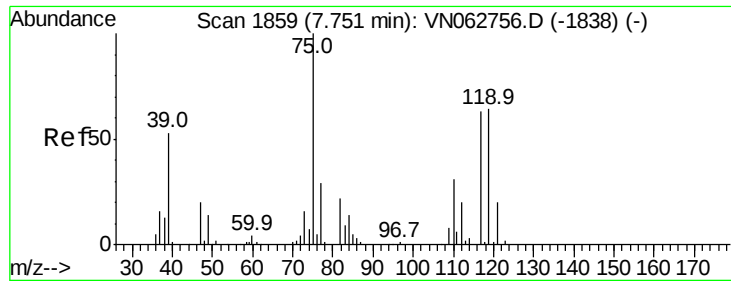
#35
 Dibromofluoromethane
 Concen: 50.924 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN062784.D
 Acq: 7 Aug 2020 17:16

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.7	81.8	122.6
192	18.6	15.0	22.4



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

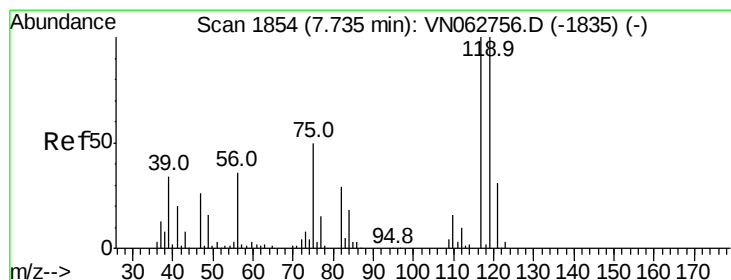
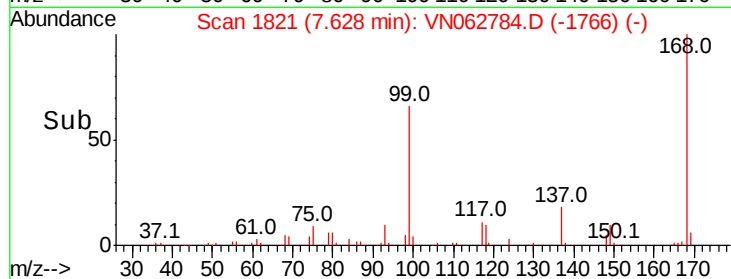
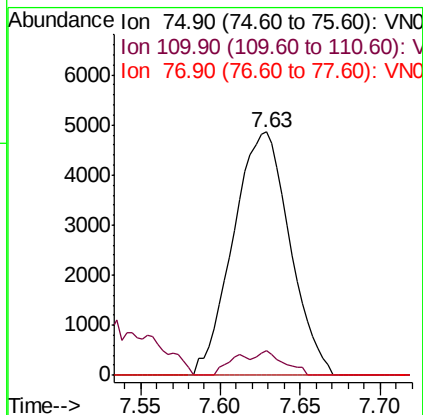
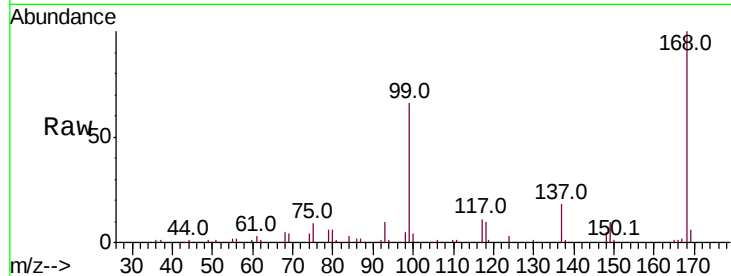




#36
 1,1-Dichloropropene
 Concen: 5.073 ug/l
 RT: 7.63 min Scan# 1821
 Delta R.T. -0.12 min
 Lab File: VN062784.D
 Acq: 7 Aug 2020 17:16

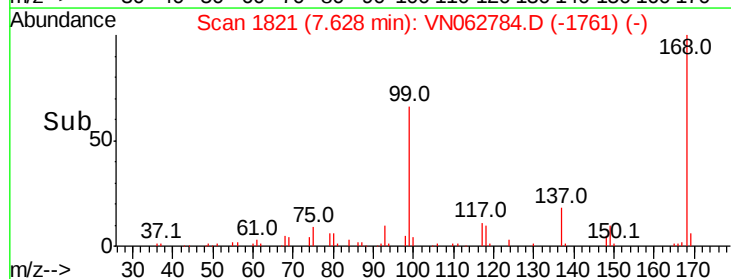
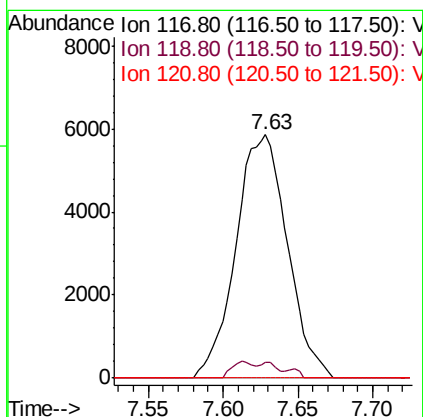
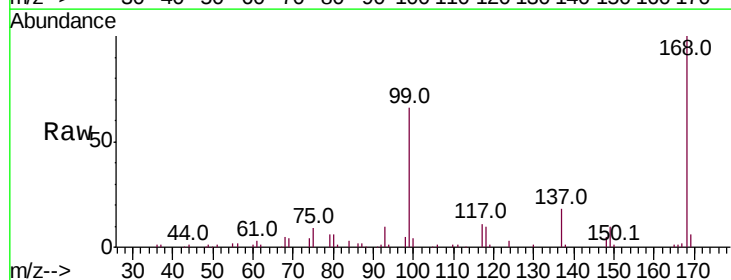
Instrument :
 MSVOA_N
 ClientSampleId :
 PB130790ZHE#01

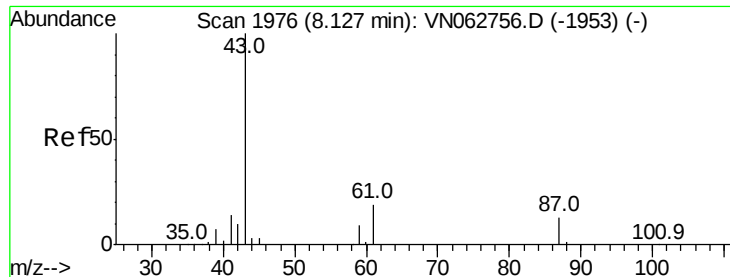
Tot Ion	Ratio	Lower	Upper
75	100		
110	5.0	15.6	46.7#
77	0.0	24.1	36.1#



#38
 Carbon Tetrachloride
 Concen: 5.094 ug/l
 RT: 7.63 min Scan# 1821
 Delta R.T. -0.11 min
 Lab File: VN062784.D
 Acq: 7 Aug 2020 17:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.7	79.4	119.2#
121	0.0	24.9	37.3#





#43

Isopropyl Acetate

Concen: 11.872 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. -0.00 min

Lab File: VN062784.D

Acq: 7 Aug 2020 17:16

Instrument :

MSVOA_N

ClientSampleId :

PB130790ZHE#01

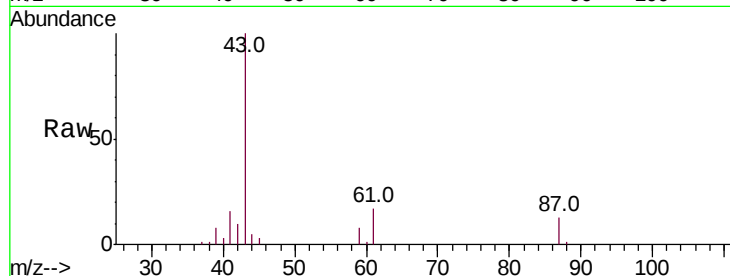
Tot Ion: 43 Resp: 48042

Ion Ratio Lower Upper

43 100

61 18.0 15.8 23.6

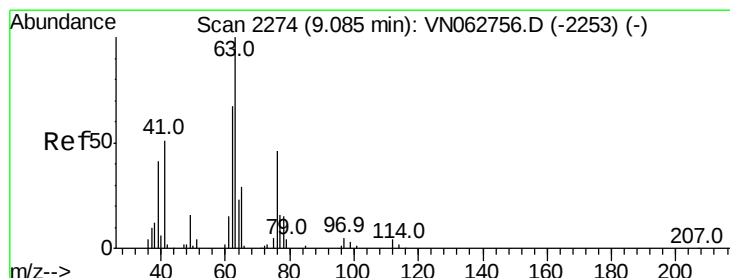
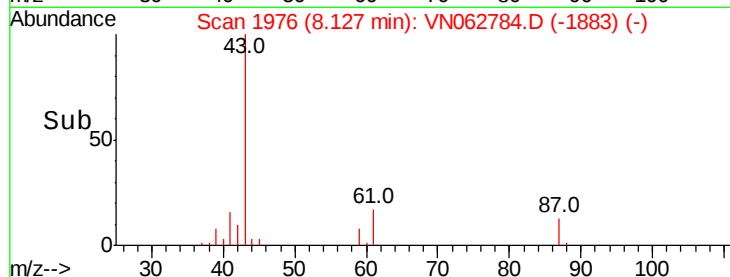
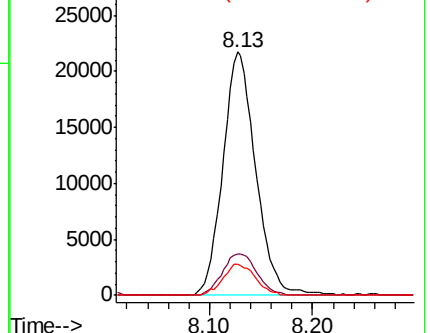
87 12.7 9.9 14.9



Abundance Ion 43.00 (42.70 to 43.70): VN062756.D (-1953) (-)

Ion 61.00 (60.70 to 61.70): VN062756.D (-1953) (-)

Ion 87.00 (86.70 to 87.70): VN062756.D (-1953) (-)



#45

1,2-Dichloropropane

Concen: 0.469 ug/l

RT: 9.23 min Scan# 2320

Delta R.T. 0.15 min

Lab File: VN062784.D

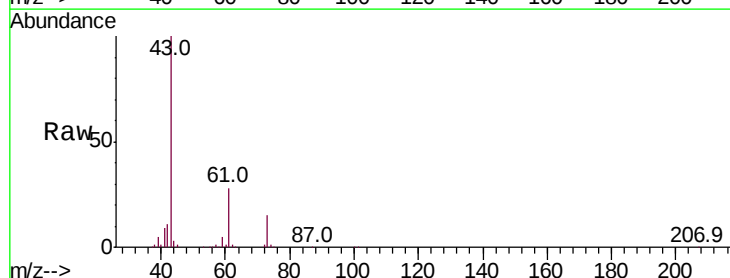
Acq: 7 Aug 2020 17:16

Tgt Ion: 63 Resp: 879

Ion Ratio Lower Upper

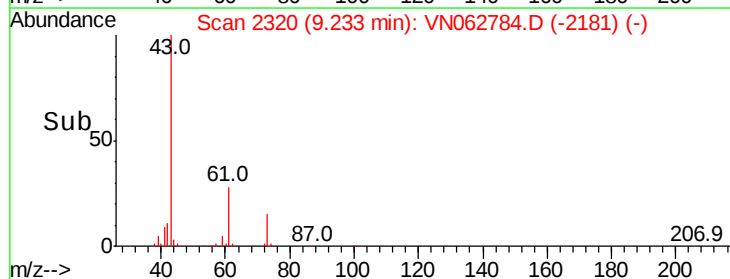
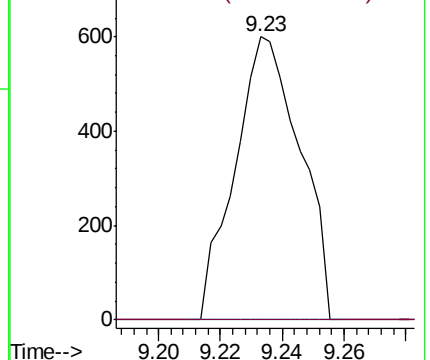
63 100

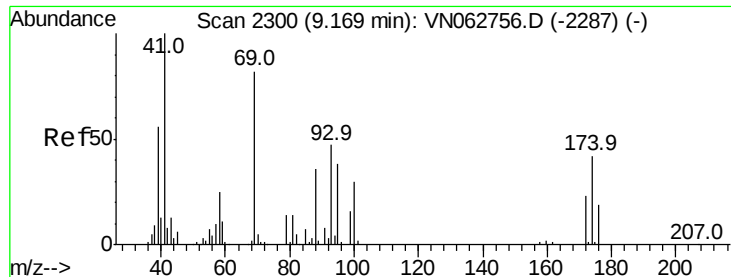
65 0.0 23.5 35.3#



Abundance Ion 62.90 (62.60 to 63.60): VN062756.D (-2253) (-)

Ion 64.90 (64.60 to 65.60): VN062756.D (-2253) (-)

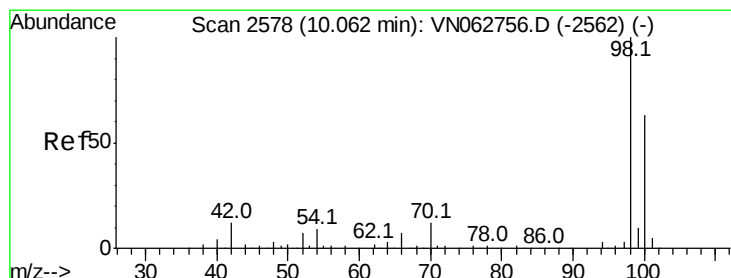
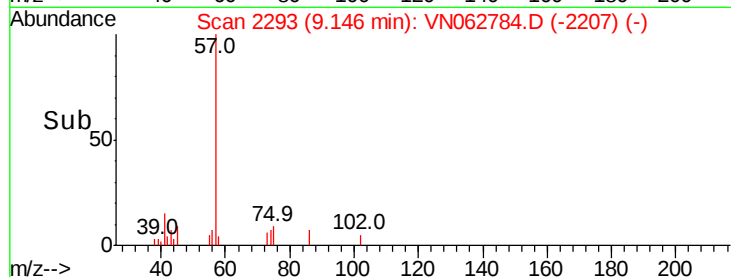
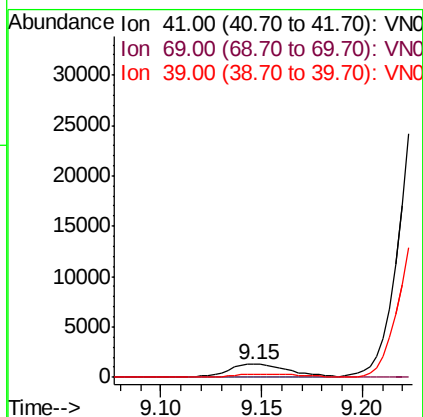
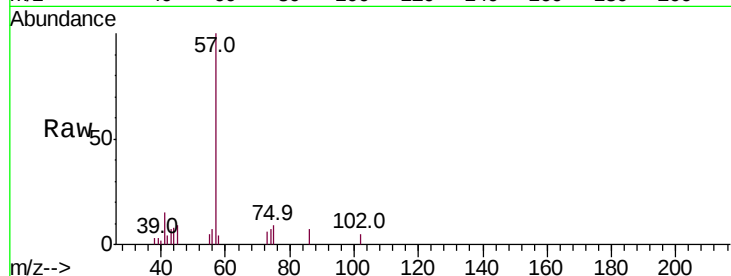




#48
Methvl methacrylate
Concen: 1.383 ug/l
RT: 9.15 min Scan# 2293
Delta R.T. -0.02 min
Lab File: VN062784.D
Acq: 7 Aug 2020 17:16

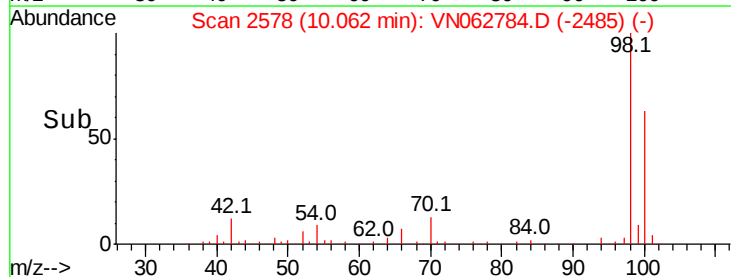
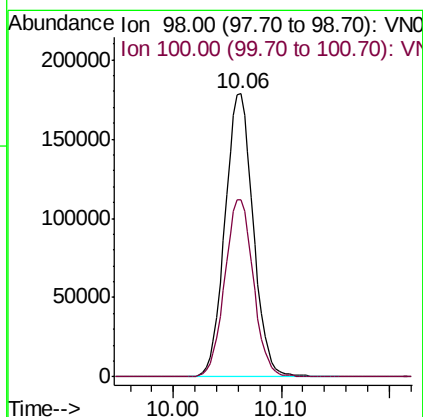
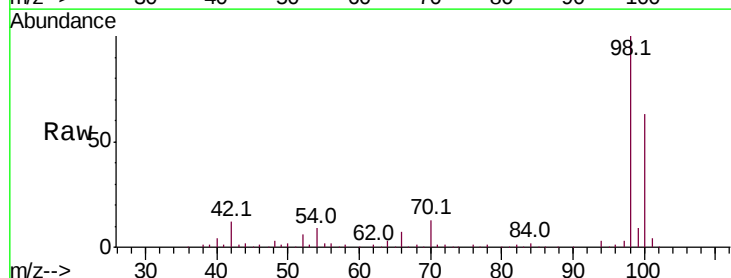
Instrument :
MSVOA_N
ClientSampleId :
PB130790ZHE#01

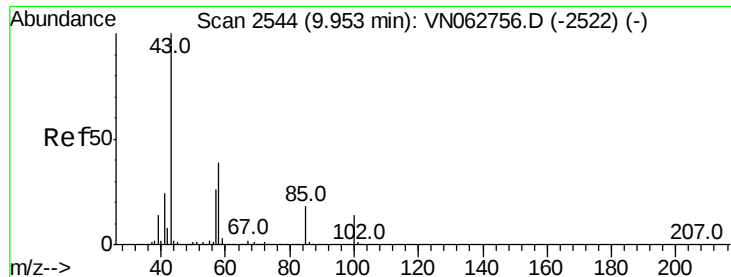
Tot Ion: 41 Resp: 2752
Ion Ratio Lower Upper
41 100
69 0.0 67.4 101.2#
39 0.0 47.6 71.4#



#50
Toluene-d8
Concen: 50.932 ug/l
RT: 10.06 min Scan# 2578
Delta R.T. -0.00 min
Lab File: VN062784.D
Acq: 7 Aug 2020 17:16

Tgt Ion: 98 Resp: 324427
Ion Ratio Lower Upper
98 100
100 63.5 50.9 76.3





#51

4-Methyl-2-Pentanone

Concen: 2.048 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN062784.D

Acq: 7 Aug 2020 17:16

Instrument :

MSVOA_N

ClientSampleId :

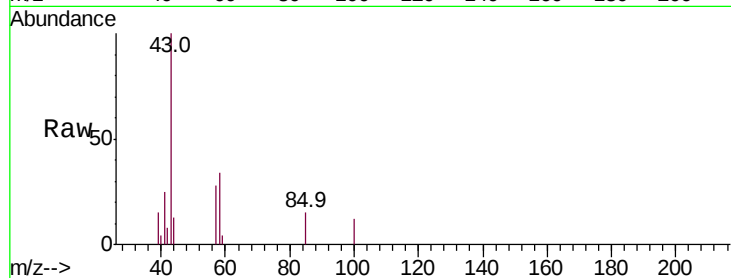
PB130790ZHE#01

Tot Ion: 43 Resp: 5363

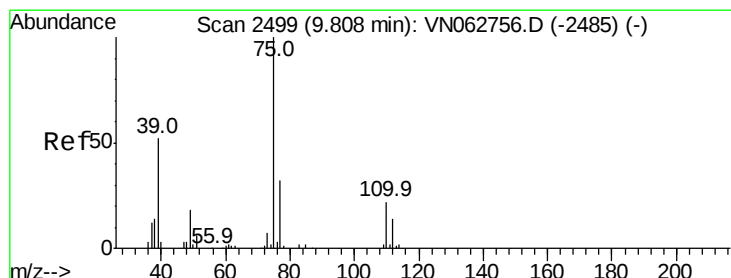
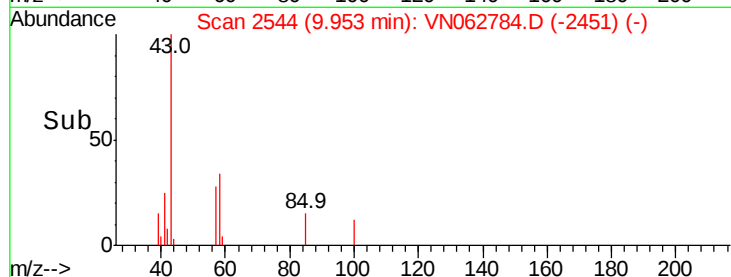
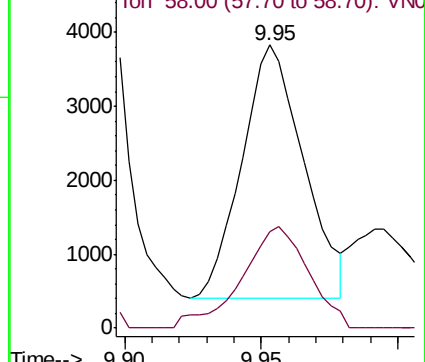
Ion Ratio Lower Upper

43 100

58 43.4 31.1 46.7



Abundance Ion 43.00 (42.70 to 43.70): VN062756.D (-2522) (-)



#54

cis-1,3-Dichloropropene

Concen: 6.896 ug/l

RT: 9.88 min Scan# 2520

Delta R.T. 0.07 min

Lab File: VN062784.D

Acq: 7 Aug 2020 17:16

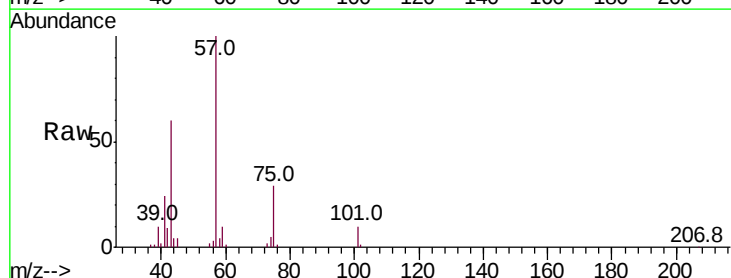
Tgt Ion: 75 Resp: 21020

Ion Ratio Lower Upper

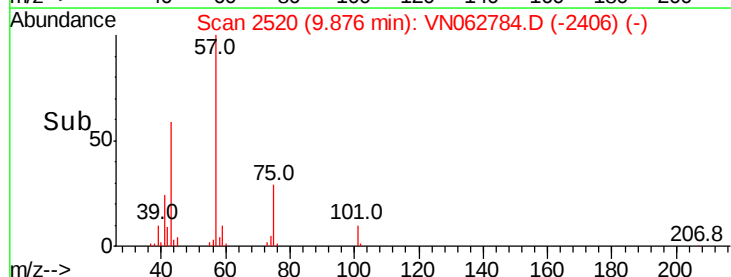
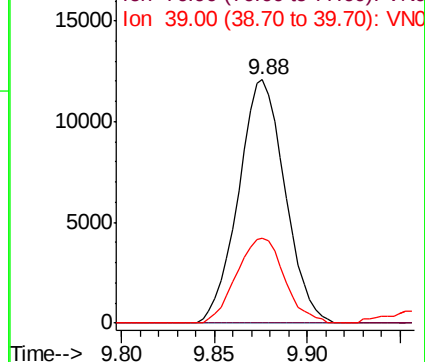
75 100

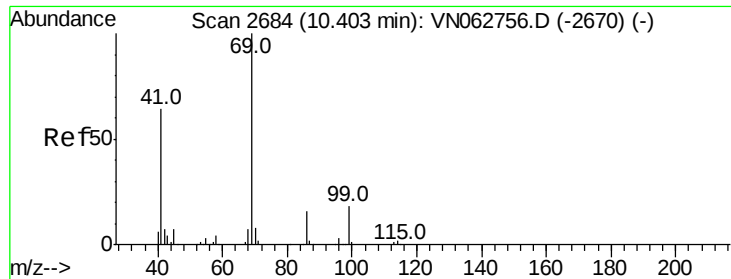
77 0.0 25.5 38.3#

39 35.0 41.9 62.9#



Abundance Ion 74.90 (74.60 to 75.60): VN062756.D (-2485) (-)





#56

Ethyl methacrylate

Concen: 0.450 ug/l

RT: 10.52 min Scan# 2719

Delta R.T. 0.11 min

Lab File: VN062784.D

Acq: 7 Aug 2020 17:16

Instrument :

MSVOA_N

ClientSampleId :

PB130790ZHE#01

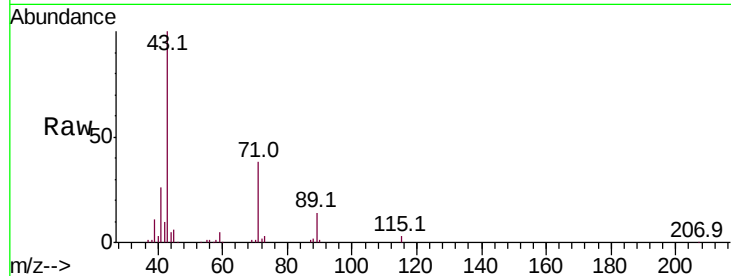
Tot Ion: 69 Resp: 1237

Ion Ratio Lower Upper

69 100

41 3562.2 52.2 78.2#

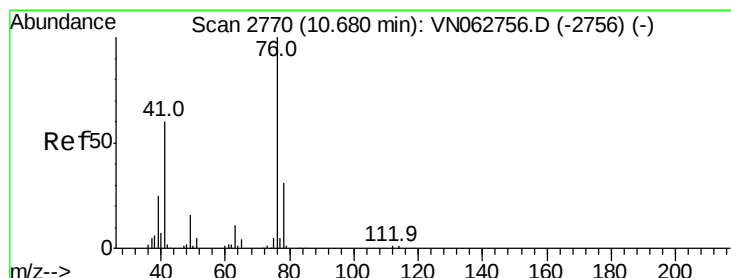
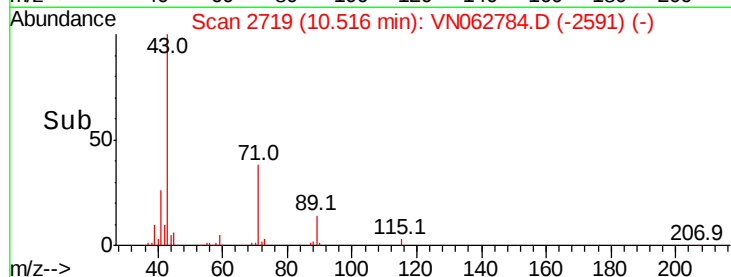
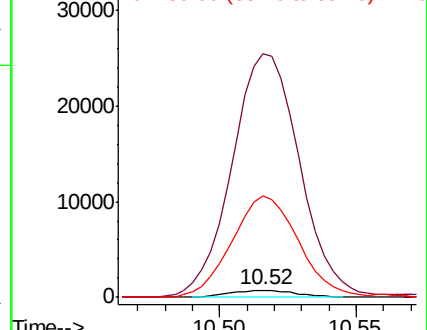
39 1465.8 30.9 46.3#



Abundance Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO



#57

1,3-Dichloropropane

Concen: 1.161 ug/l

RT: 10.74 min Scan# 2788

Delta R.T. 0.06 min

Lab File: VN062784.D

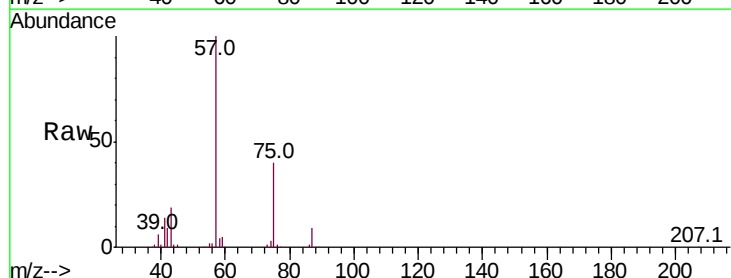
Acq: 7 Aug 2020 17:16

Tgt Ion: 76 Resp: 3606

Ion Ratio Lower Upper

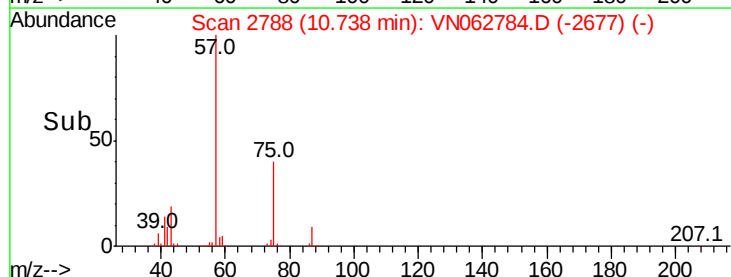
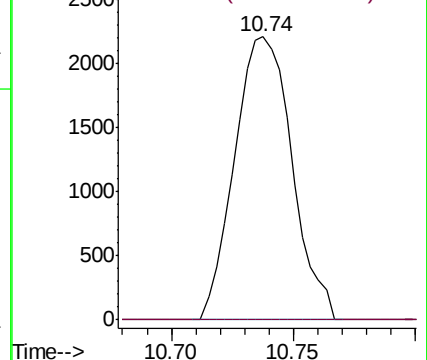
76 100

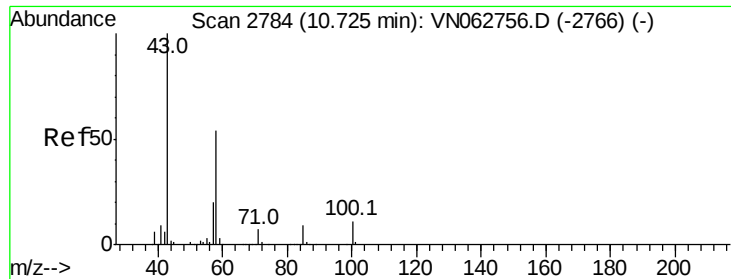
78 0.0 25.4 38.0#



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO

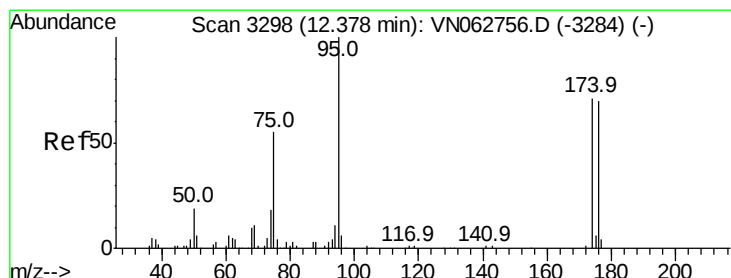
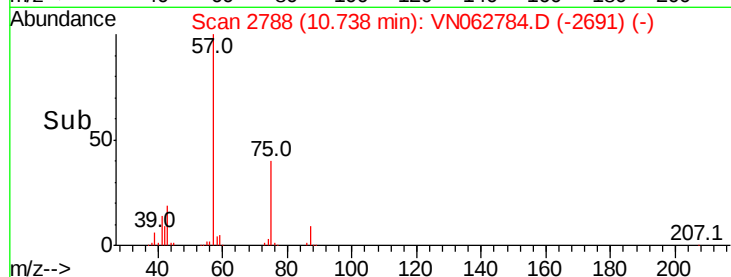
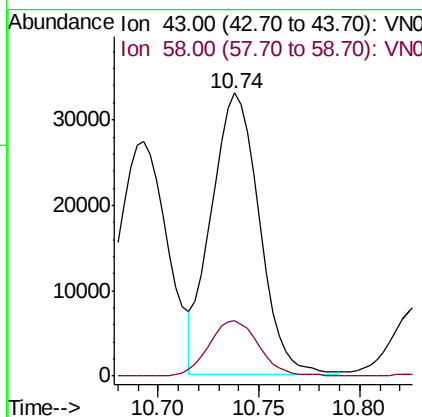
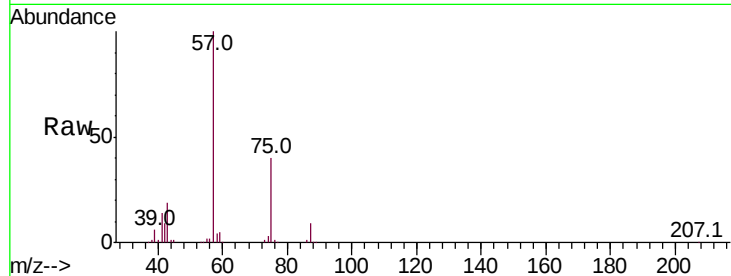




#59
2-Hexanone
Concen: 27.955 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. 0.01 min
Lab File: VN062784.D
Acq: 7 Aug 2020 17:16

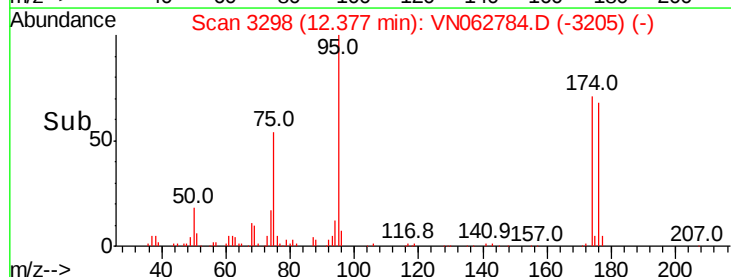
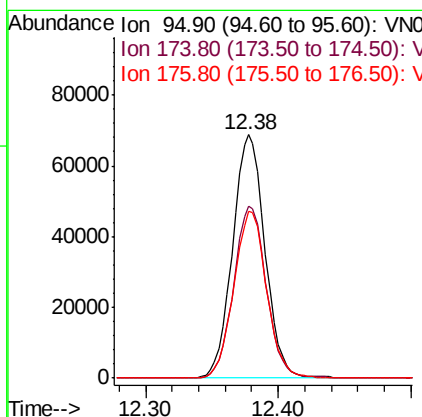
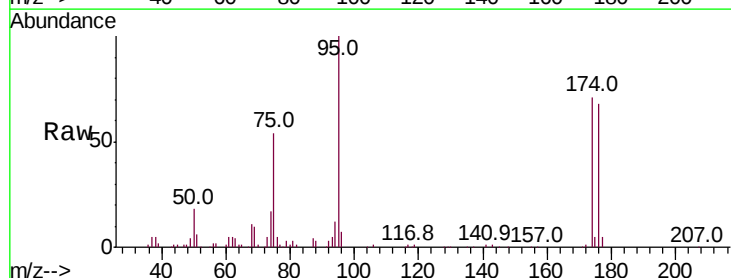
Instrument :
MSVOA_N
ClientSampleId :
PB130790ZHE#01

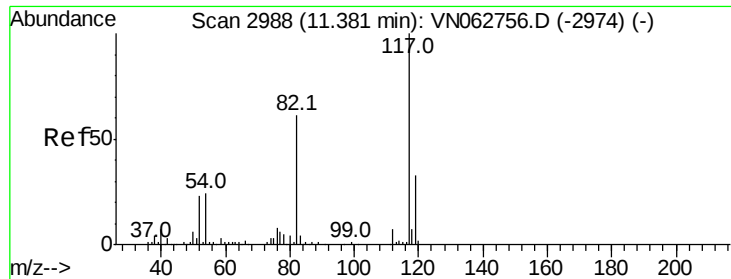
Tot Ion: 43 Resp: 54596
Ion Ratio Lower Upper
43 100
58 20.5 26.7 80.1#



#62
4-Bromofluorobenzene
Concen: 48.207 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.00 min
Lab File: VN062784.D
Acq: 7 Aug 2020 17:16

Tgt Ion: 95 Resp: 116043
Ion Ratio Lower Upper
95 100
174 71.6 0.0 144.8
176 69.8 0.0 142.2

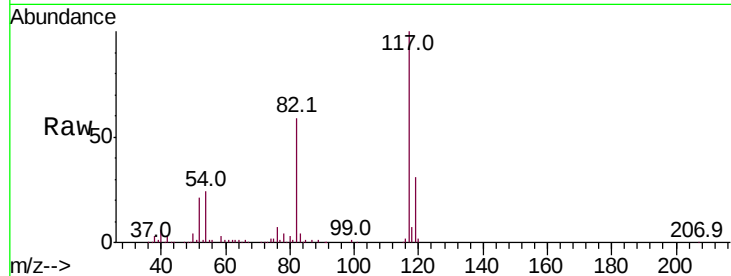




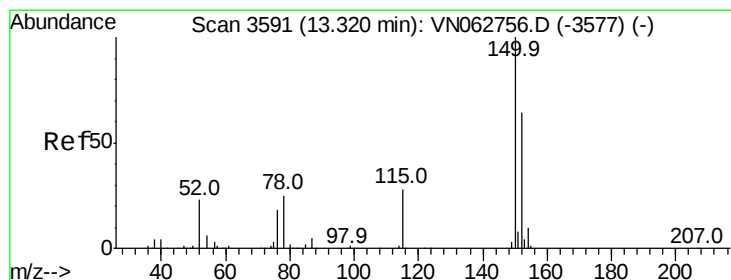
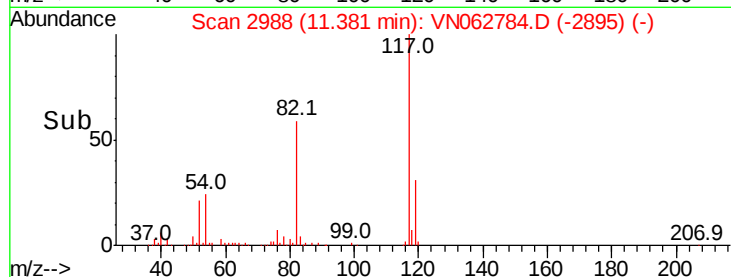
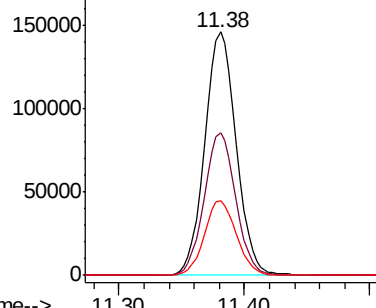
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062784.D
Acq: 7 Aug 2020 17:16

Instrument :
MSVOA_N
ClientSampleId :
PB130790ZHE#01

Tot Ion:117 Resp: 254552
Ion Ratio Lower Upper
117 100
82 58.5 49.0 73.4
119 30.6 26.2 39.2

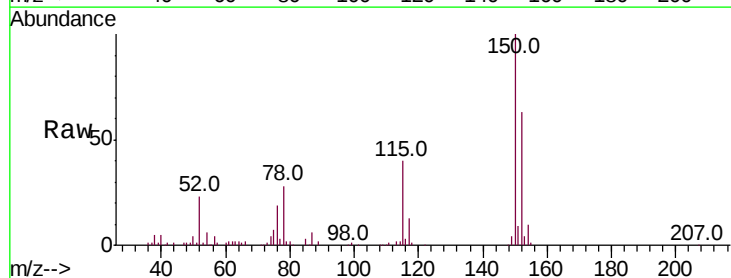


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

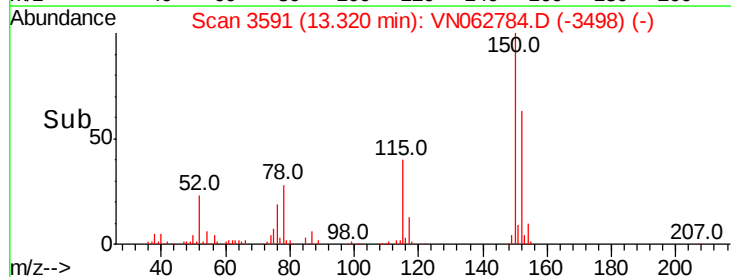
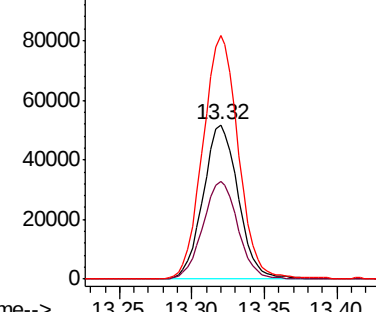


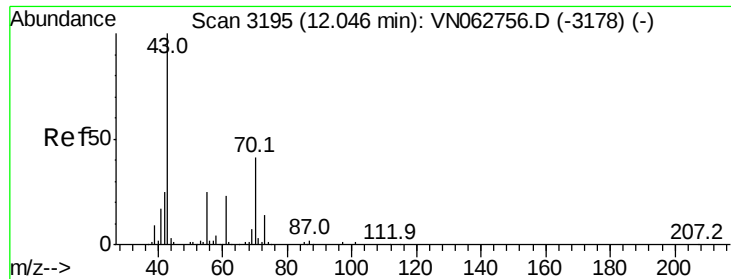
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3591
Delta R.T. -0.00 min
Lab File: VN062784.D
Acq: 7 Aug 2020 17:16

Tgt Ion:152 Resp: 87011
Ion Ratio Lower Upper
152 100
115 62.9 31.6 94.8
150 159.5 0.0 349.2



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

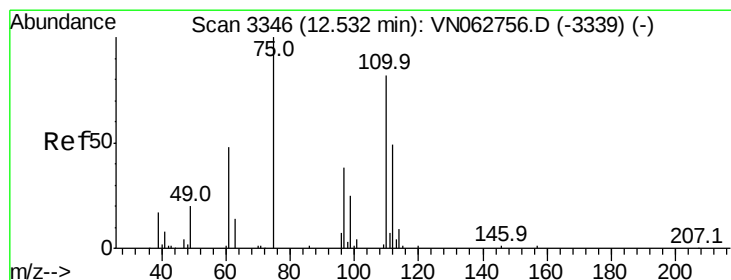
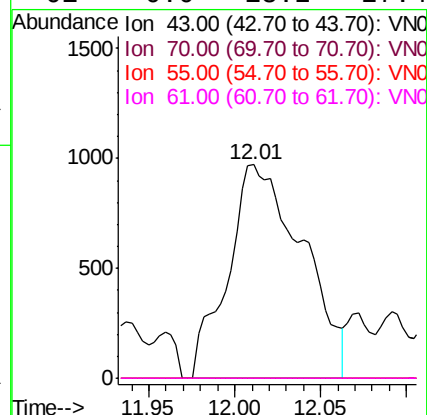
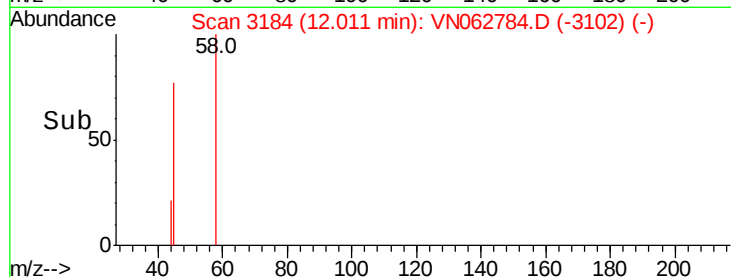
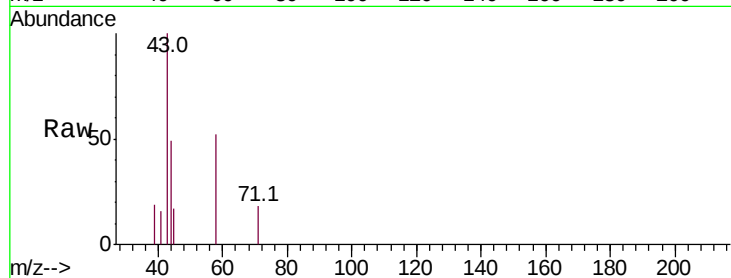




#74
N-amvl acetate
Concen: 1.104 ug/l
RT: 12.01 min Scan# 3184
Delta R.T. -0.04 min
Lab File: VN062784.D
Acq: 7 Aug 2020 17:16

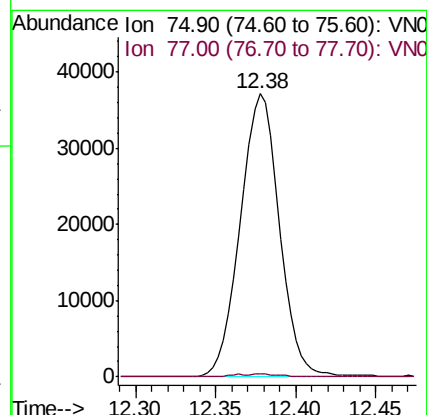
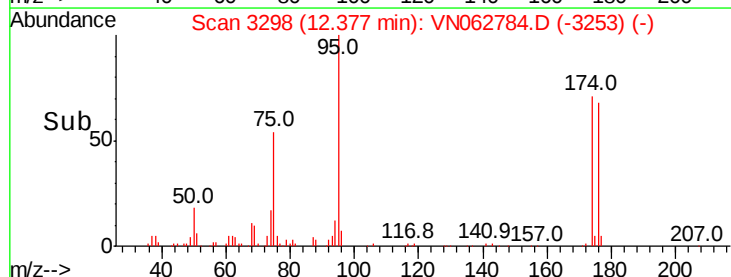
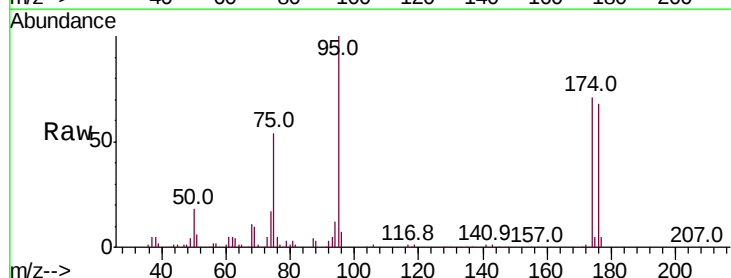
Instrument :
MSVOA_N
ClientSampleId :
PB130790ZHE#01

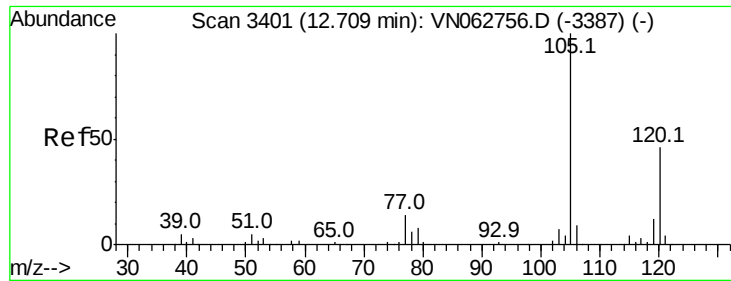
Tot Ion: 43 Resp: 2931
Ion Ratio Lower Upper
43 100
70 0.0 32.3 48.5#
55 0.0 20.2 30.2#
61 0.0 18.2 27.4#



#76
1,2,3-Trichloropropane
Concen: 26.348 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.15 min
Lab File: VN062784.D
Acq: 7 Aug 2020 17:16

Tgt Ion: 75 Resp: 61829
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#

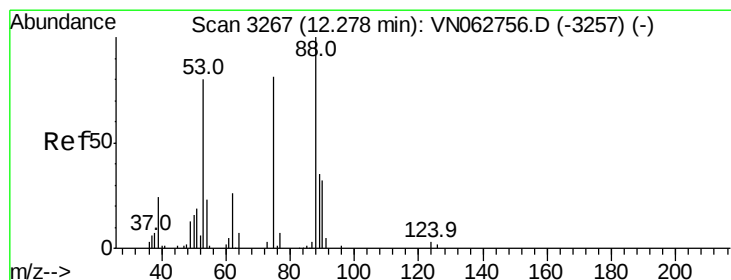
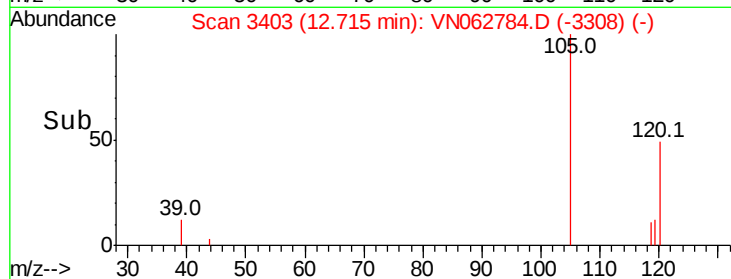
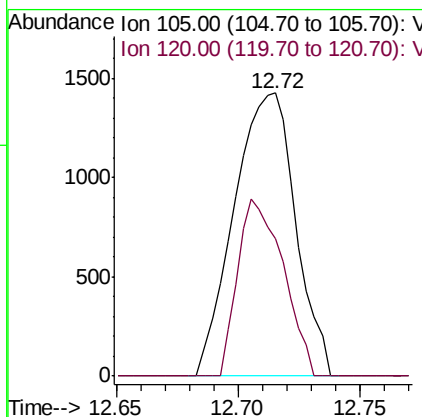
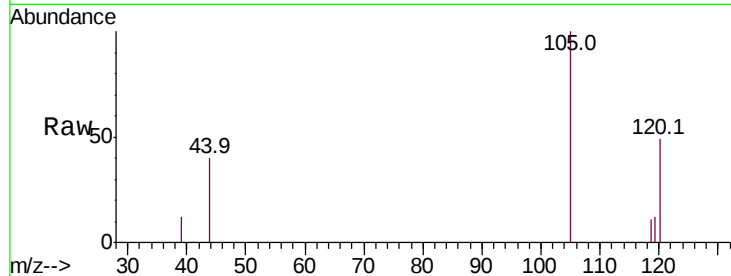




#80
 1,3,5-Trimethylbenzene
 Concen: 0.439 ug/l
 RT: 12.72 min Scan# 3403
 Delta R.T. 0.01 min
 Lab File: VN062784.D
 Acq: 7 Aug 2020 17:16

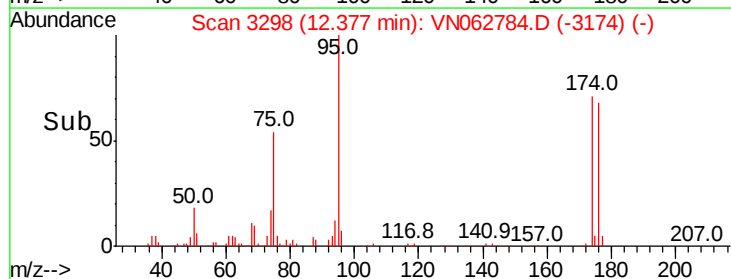
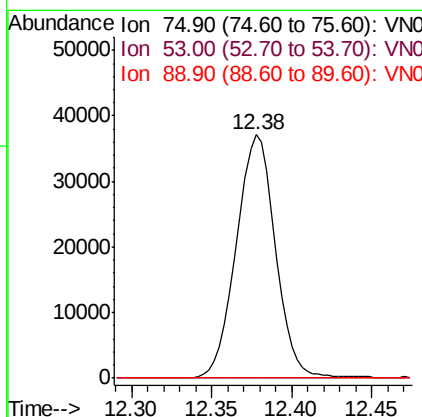
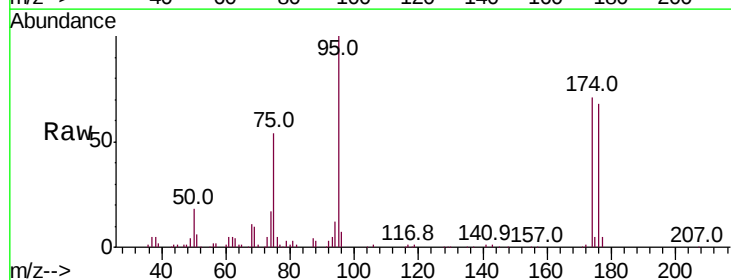
Instrument :
 MSVOA_N
 ClientSampleId :
 PB130790ZHE#01

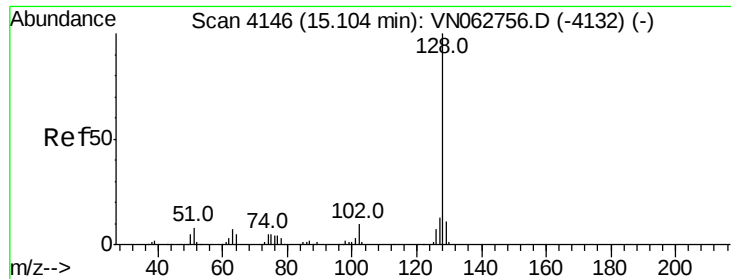
Tot Ion:105 Resp: 2497
 Ion Ratio Lower Upper
 105 100
 120 46.3 22.9 68.5



#81
 trans-1,4-Dichloro-2-butene
 Concen: 80.434 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.10 min
 Lab File: VN062784.D
 Acq: 7 Aug 2020 17:16

Tgt Ion: 75 Resp: 61829
 Ion Ratio Lower Upper
 75 100
 53 0.0 79.1 118.7#
 89 0.0 36.2 54.2#





#95

Naphthalene

Concen: 3.766 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. 0.02 min

Lab File: VN062784.D

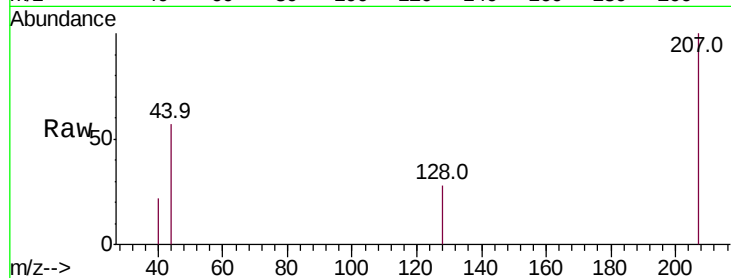
Acq: 7 Aug 2020 17:16

Instrument :

MSVOA_N

ClientSampleId :

PB130790ZHE#01



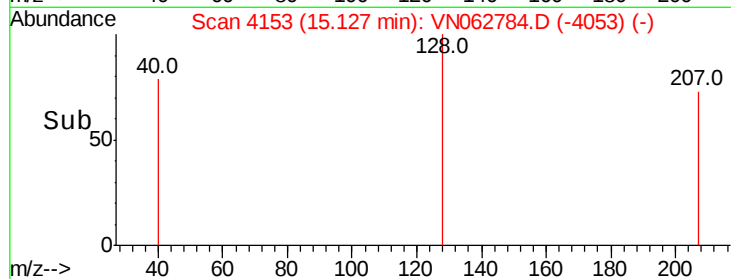
Tot Ion:128 Resp: 251

Ion Ratio Lower Upper

128 100

127 0.0 10.8 16.2#

129 0.0 8.8 13.2#



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

