

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081120\
 Data File : VN062835.D
 Acq On : 11 Aug 2020 17:31
 Operator : JC/MD
 Sample : L3624-03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SS-TP-1

Quant Time: Aug 11 21:22:58 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	119448	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	207407	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	222112	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	79514	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	101627	51.45	ug/l	0.00
Spiked Amount			Recovery	=	102.90%	
35) Dibromofluoromethane	7.55	113	71781	50.59	ug/l	0.00
Spiked Amount			Recovery	=	101.18%	
50) Toluene-d8	10.06	98	280216	50.59	ug/l	0.00
Spiked Amount			Recovery	=	101.18%	
62) 4-Bromofluorobenzene	12.38	95	102517	48.98	ug/l	0.00
Spiked Amount			Recovery	=	97.96%	

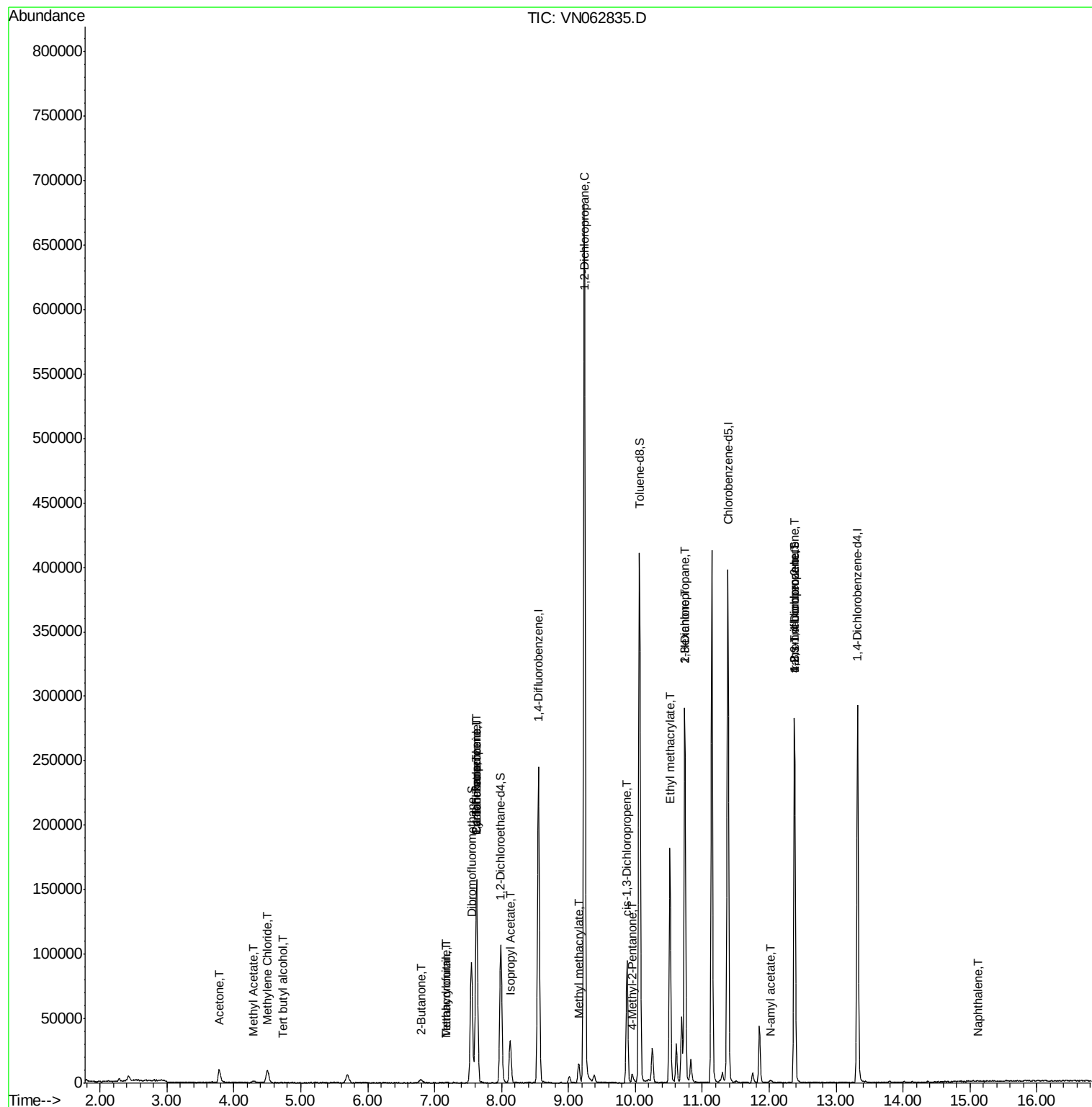
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.74	59	131	0.405	ug/l #	72
16) Acetone	3.78	43	17038	23.871	ug/l #	88
17) Carbon Disulfide	4.01	76	62	Below Cal	#	74
18) Methyl Acetate	4.29	43	2983	0.652	ug/l #	72
20) Methylene Chloride	4.50	84	7851	5.331	ug/l	90
25) 2-Butanone	6.80	43	1977	1.956	ug/l #	89
29) Tetrahydrofuran	7.17	42	279	0.425	ug/l #	42
31) Cyclohexane	7.62	56	2776	1.159	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	9623	4.765	ug/l #	52
38) Carbon Tetrachloride	7.63	117	12733	5.331	ug/l #	14
41) Methacrylonitrile	7.17	41	224	0.235	ug/l #	6
43) Isopropyl Acetate	8.13	43	37565	10.676	ug/l	98
45) 1,2-Dichloropropane	9.24	63	665	0.408	ug/l #	45
48) Methyl methacrylate	9.16	41	2248	1.299	ug/l #	13
51) 4-Methyl-2-Pentanone	9.95	43	4848	2.129	ug/l	97
54) cis-1,3-Dichloropropene	9.88	75	16734	6.313	ug/l #	64
56) Ethyl methacrylate	10.52	69	994	0.416	ug/l #	1
57) 1,3-Dichloropropane	10.74	76	3030	1.122	ug/l #	43
59) 2-Hexanone	10.74	43	40118	23.623	ug/l #	55
74) N-amyl acetate	12.01	43	670	0.276	ug/l #	44
76) 1,2,3-Trichloropropane	12.38	75	54897	25.600	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	54897	78.150	ug/l #	10
95) Naphthalene	15.12	128	604	3.861	ug/l #	68

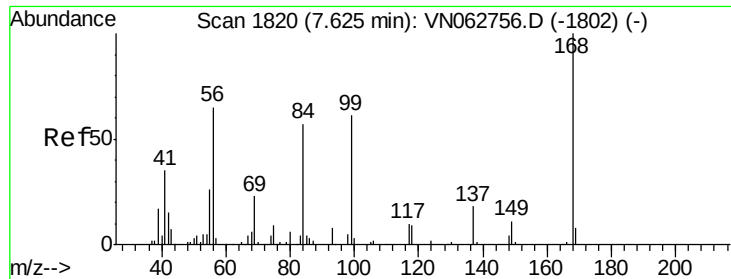
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 1820

Delta R.T. -0.00 min

Lab File: VN062835.D

Acq: 11 Aug 2020 17:31

Instrument :

MSVOA_N

ClientSampleId :

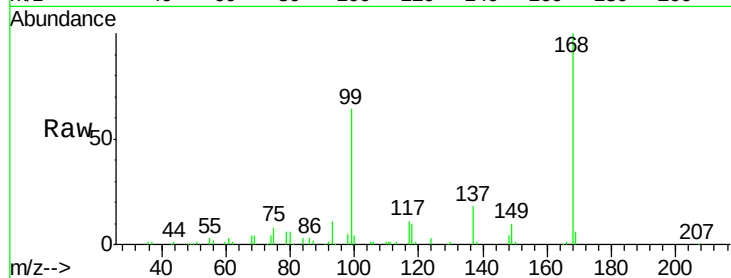
SS-TP-1

Tgt Ion:168 Resp: 119448

Ion Ratio Lower Upper

168 100

99 64.4 52.9 79.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.63

60000

50000

40000

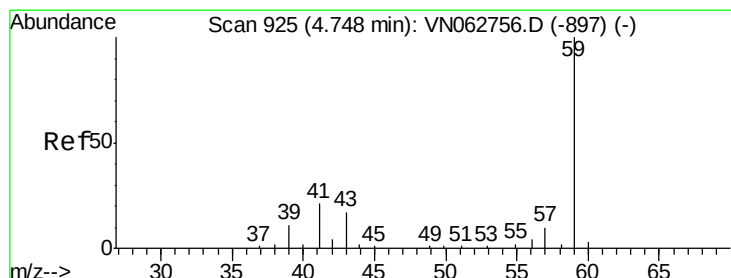
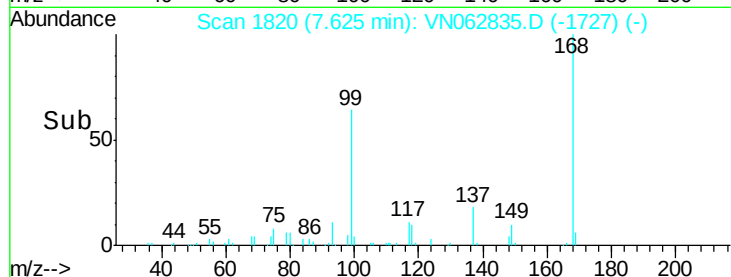
30000

20000

10000

0

Time--> 7.50 7.60 7.70



#11

Tert butyl alcohol

Concen: 0.405 ug/l

RT: 4.74 min Scan# 922

Delta R.T. -0.01 min

Lab File: VN062835.D

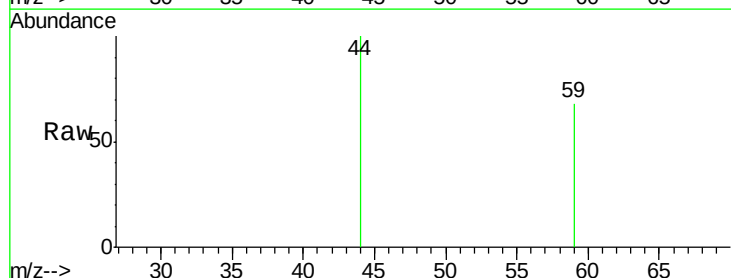
Acq: 11 Aug 2020 17:31

Tgt Ion: 59 Resp: 131

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

4.74

200

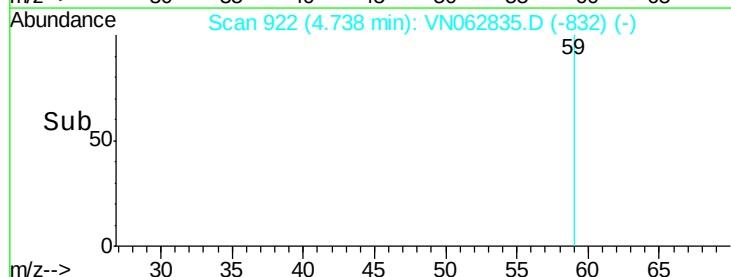
150

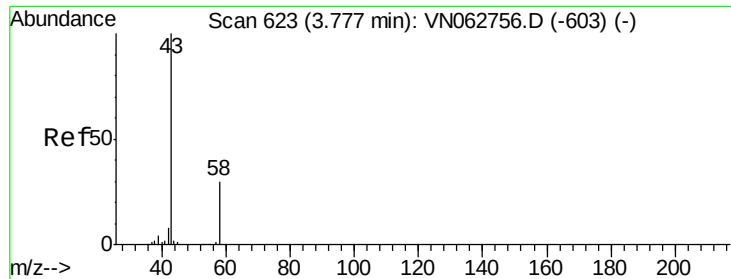
100

50

0

Time--> 4.72 4.73 4.74 4.75

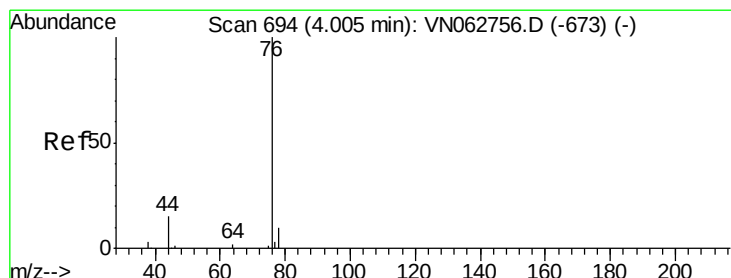
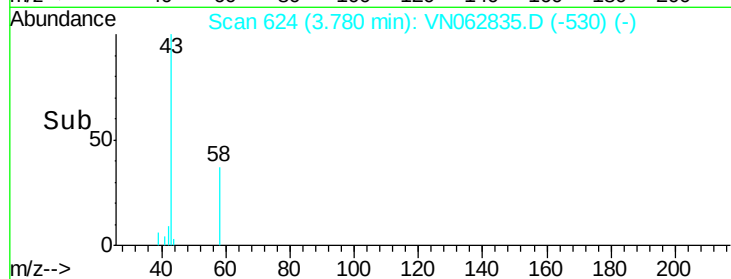
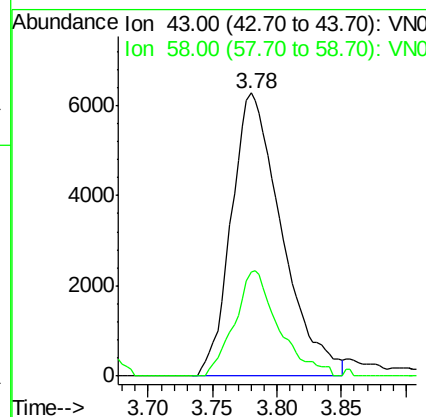
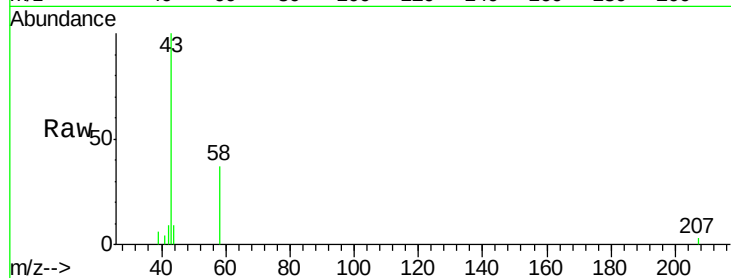




#16
Acetone
Concen: 23.871 ug/l
RT: 3.78 min Scan# 624
Delta R.T. 0.00 min
Lab File: VN062835.D
Acq: 11 Aug 2020 17:31

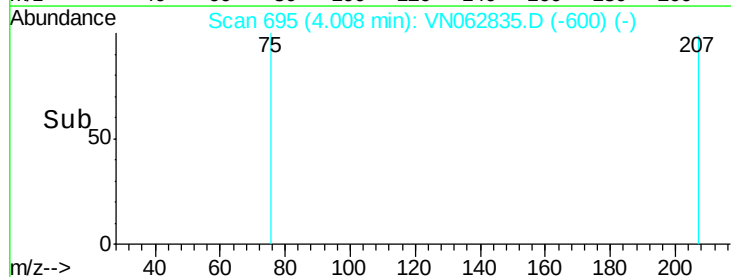
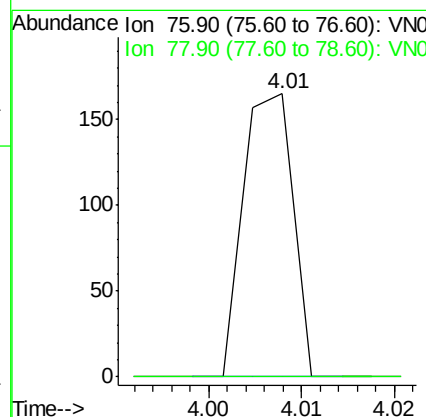
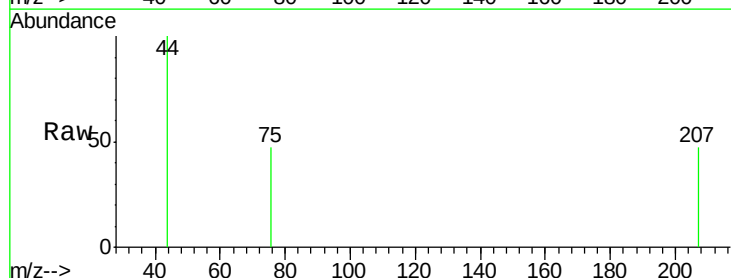
Instrument :
MSVOA_N
ClientSampled :
SS-TP-1

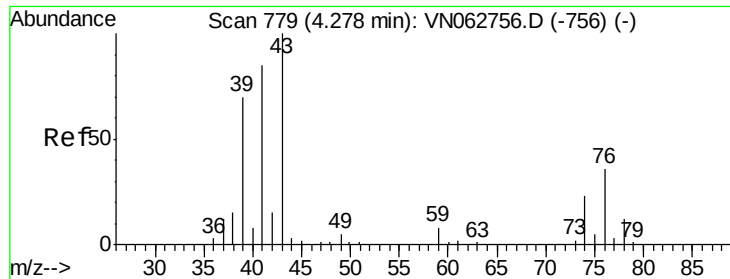
Tgt Ion: 43 Resp: 17038
Ion Ratio Lower Upper
43 100
58 36.8 24.1 36.1#



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.01 min Scan# 695
Delta R.T. 0.00 min
Lab File: VN062835.D
Acq: 11 Aug 2020 17:31

Tgt Ion: 76 Resp: 62
Ion Ratio Lower Upper
76 100
78 0.0 7.7 11.5#

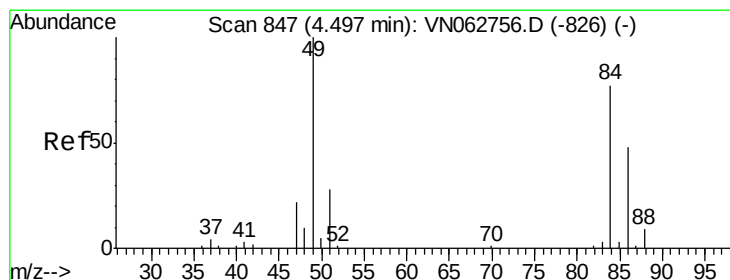
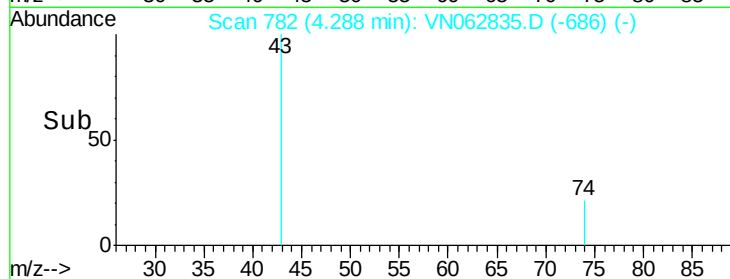
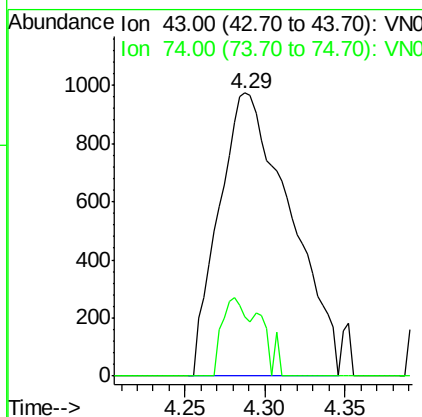
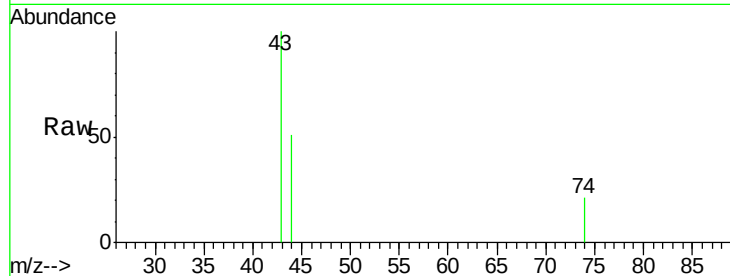




#18
Methyl Acetate
Concen: 0.652 ug/l
RT: 4.29 min Scan# 782
Delta R.T. 0.01 min
Lab File: VN062835.D
Acq: 11 Aug 2020 17:31

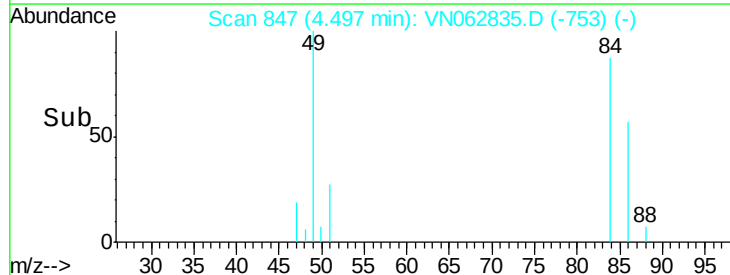
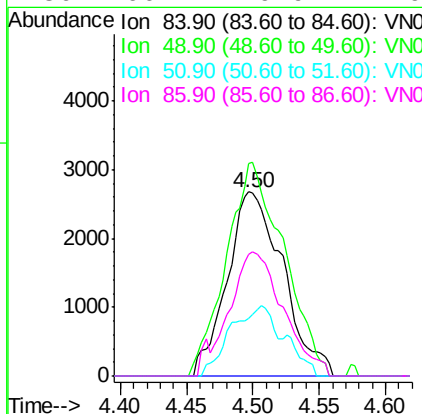
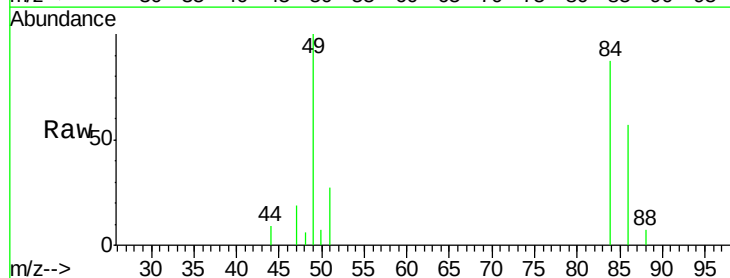
Instrument :
MSVOA_N
ClientSampled :
SS-TP-1

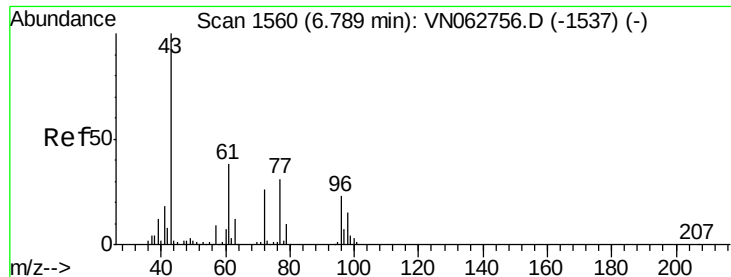
Tgt Ion: 43 Resp: 2983
Ion Ratio Lower Upper
43 100
74 9.8 18.6 28.0#



#20
Methylene Chloride
Concen: 5.331 ug/l
RT: 4.50 min Scan# 847
Delta R.T. 0.00 min
Lab File: VN062835.D
Acq: 11 Aug 2020 17:31

Tgt Ion: 84 Resp: 7851
Ion Ratio Lower Upper
84 100
49 115.4 103.4 155.2
51 31.3 29.3 43.9
86 66.2 49.9 74.9

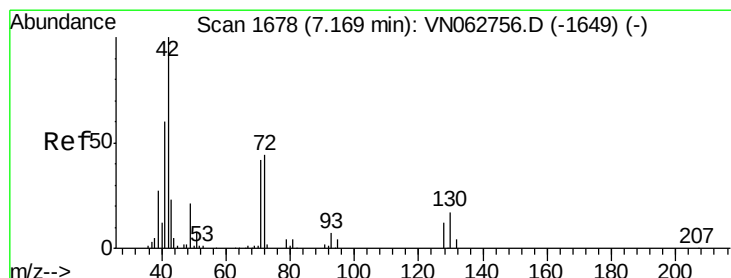
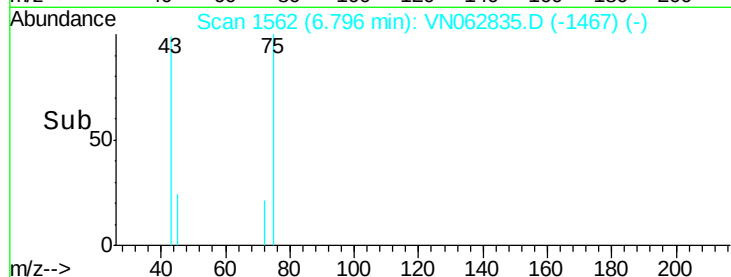
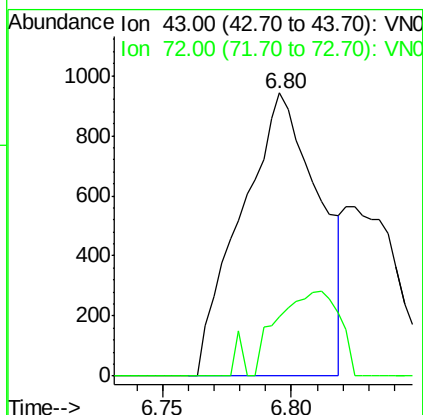
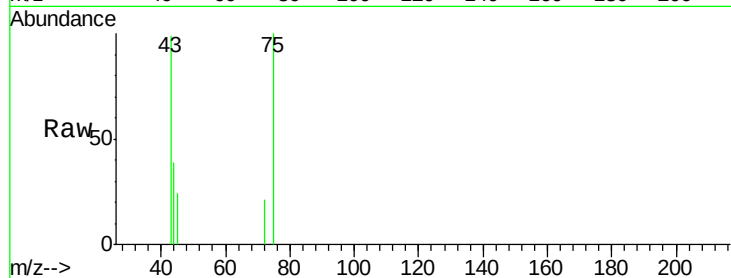




#25
 2-Butanone
 Concen: 1.956 ug/l
 RT: 6.80 min Scan# 1562
 Delta R.T. 0.01 min
 Lab File: VN062835.D
 Acq: 11 Aug 2020 17:31

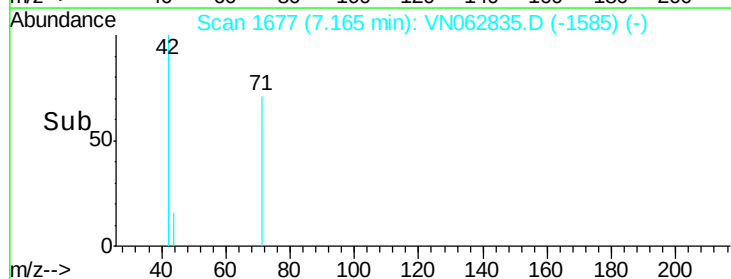
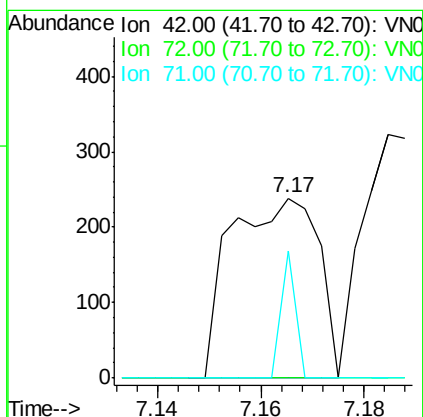
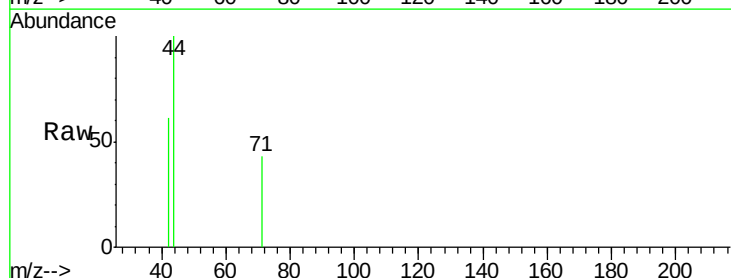
Instrument :
 MSVOA_N
 ClientSampled :
 SS-TP-1

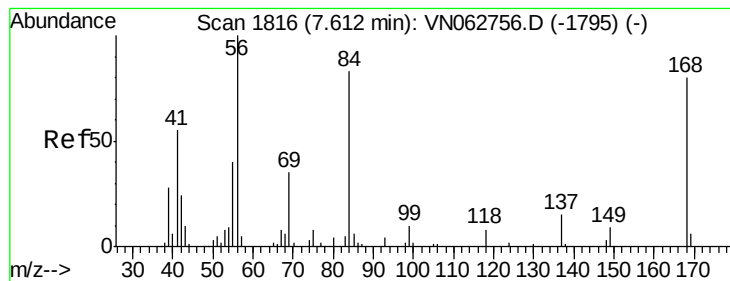
Tgt Ion: 43 Resp: 1977
 Ion Ratio Lower Upper
 43 100
 72 20.9 21.1 31.7#



#29
 Tetrahydrofuran
 Concen: 0.425 ug/l
 RT: 7.17 min Scan# 1677
 Delta R.T. -0.00 min
 Lab File: VN062835.D
 Acq: 11 Aug 2020 17:31

Tgt Ion: 42 Resp: 279
 Ion Ratio Lower Upper
 42 100
 72 0.0 35.0 52.4#
 71 11.5 33.2 49.8#





#31

Cyclohexane

Concen: 1.159 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VN062835.D

Acq: 11 Aug 2020 17:31

Instrument :

MSVOA_N

ClientSampled :

SS-TP-1

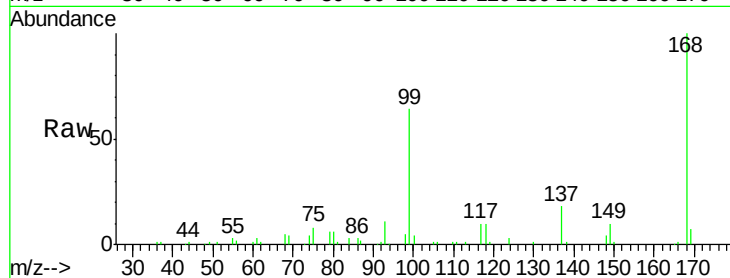
Tgt Ion: 56 Resp: 2776

Ion Ratio Lower Upper

56 100

69 191.8 28.1 42.1#

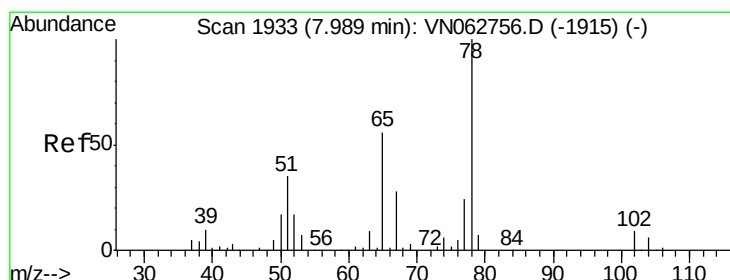
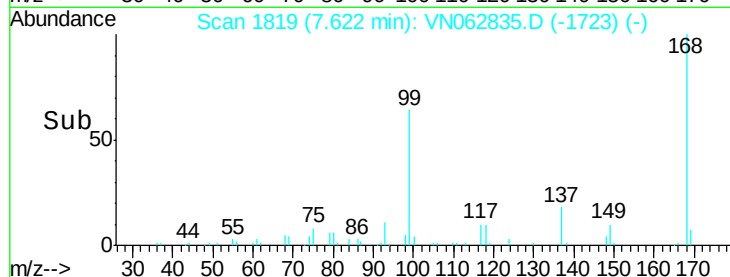
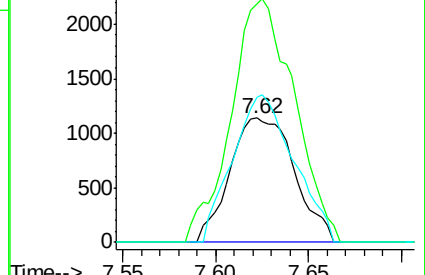
84 116.5 66.8 100.2#



Abundance Ion 56.00 (55.70 to 56.70): VN062835.D (-1723) (-)

Ion 69.00 (68.70 to 69.70): VN062835.D (-1723) (-)

Ion 84.00 (83.70 to 84.70): VN062835.D (-1723) (-)



#33

1,2-Dichloroethane-d4

Concen: 51.449 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. -0.00 min

Lab File: VN062835.D

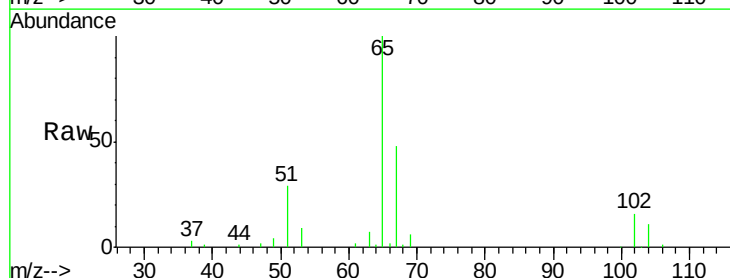
Acq: 11 Aug 2020 17:31

Tgt Ion: 65 Resp: 101627

Ion Ratio Lower Upper

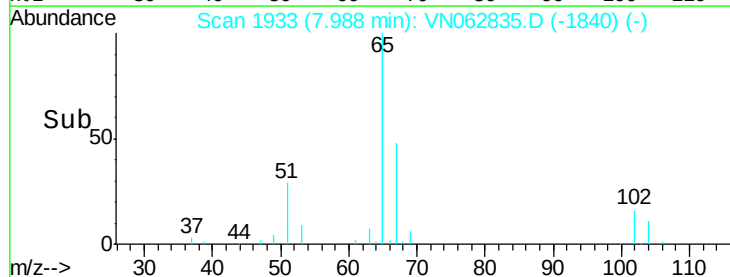
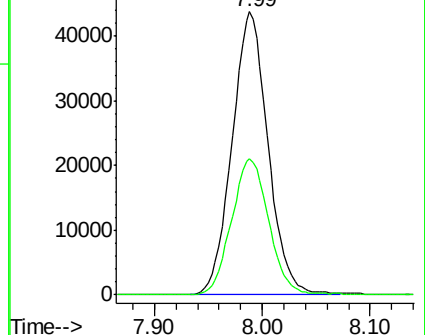
65 100

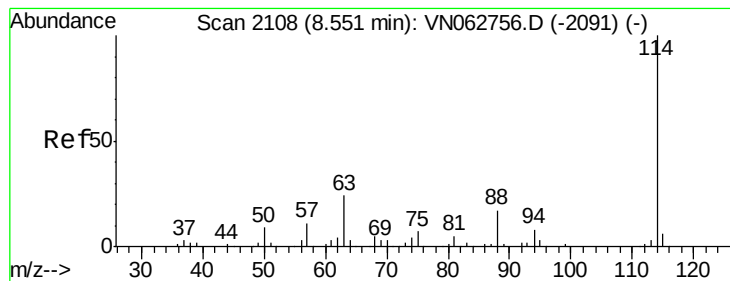
67 49.6 0.0 101.4



Abundance Ion 64.90 (64.60 to 65.60): VN062835.D (-1840) (-)

Ion 66.90 (66.60 to 67.60): VN062835.D (-1840) (-)





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. -0.00 min

Lab File: VN062835.D

Acq: 11 Aug 2020 17:31

Instrument :

MSVOA_N

ClientSampled :

SS-TP-1

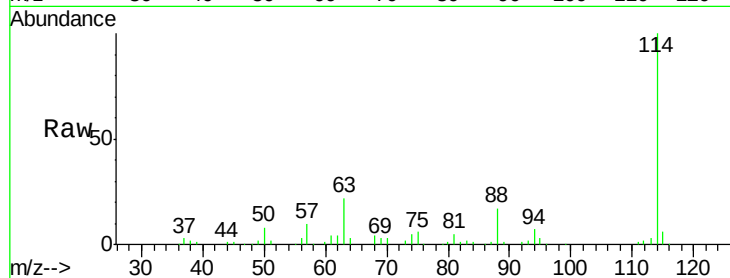
Tgt Ion:114 Resp: 207407

Ion Ratio Lower Upper

114 100

63 22.0 0.0 47.6

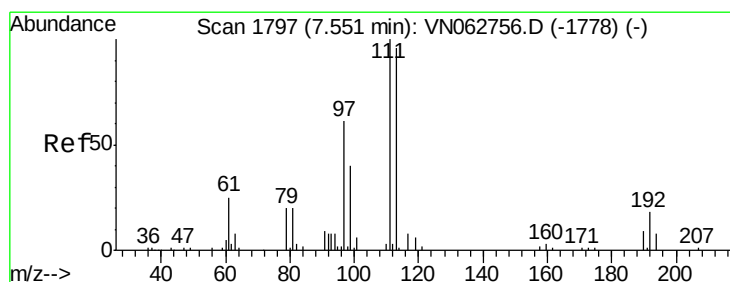
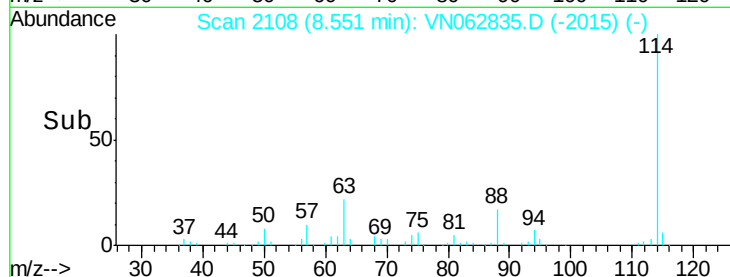
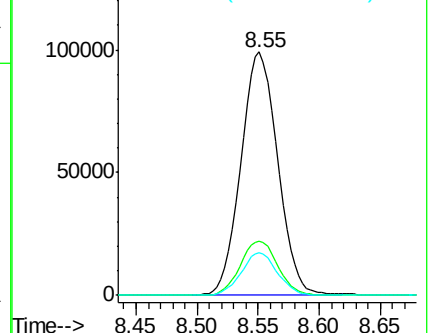
88 17.5 0.0 34.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0



#35

Dibromofluoromethane

Concen: 50.593 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VN062835.D

Acq: 11 Aug 2020 17:31

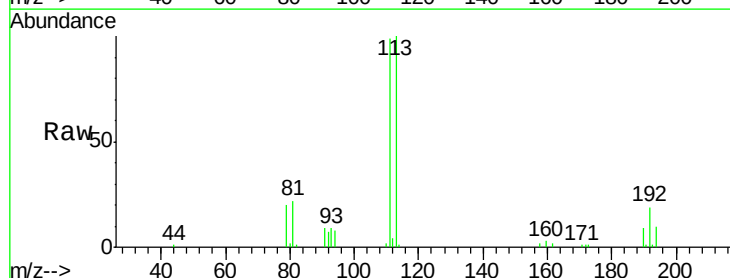
Tgt Ion:113 Resp: 71781

Ion Ratio Lower Upper

113 100

111 101.8 81.8 122.6

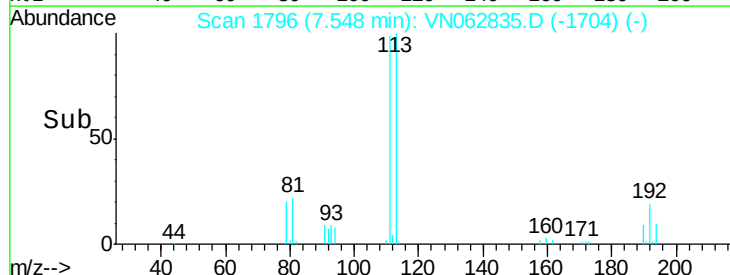
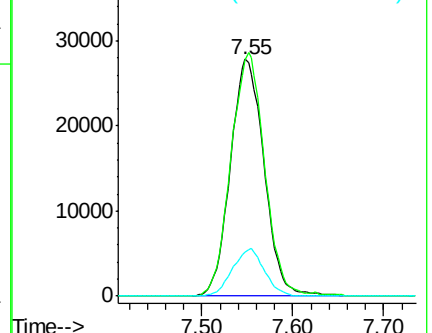
192 18.8 15.0 22.4

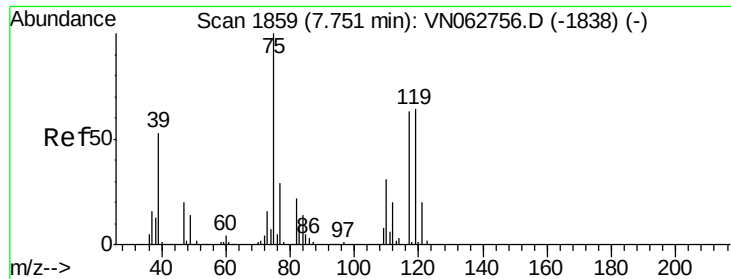


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

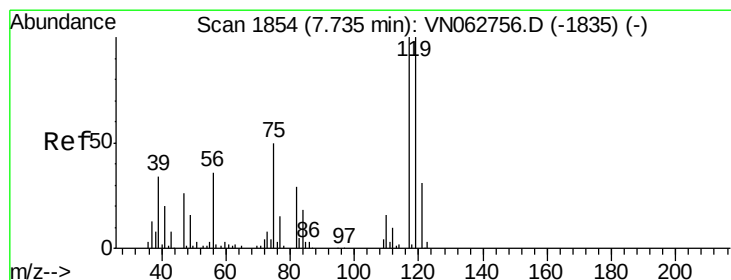
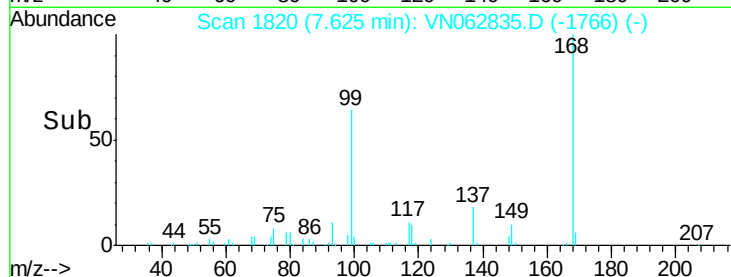
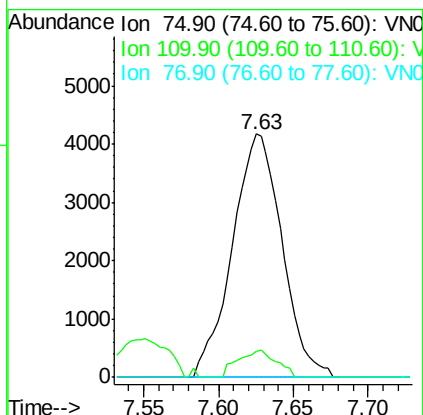
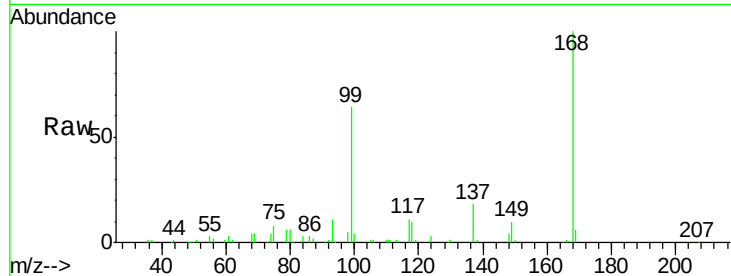




#36
 1,1-Dichloropropene
 Concen: 4.765 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN062835.D
 Acq: 11 Aug 2020 17:31

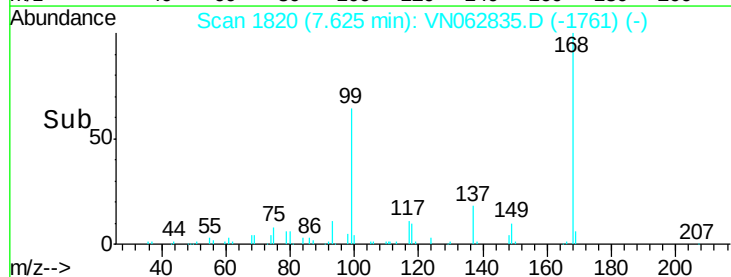
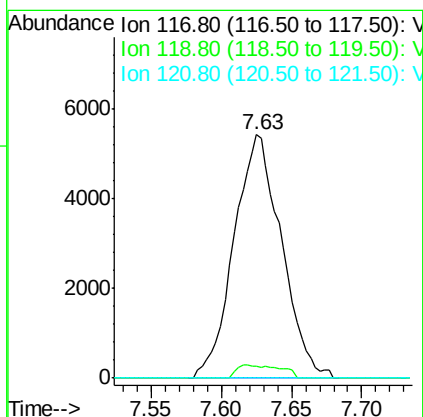
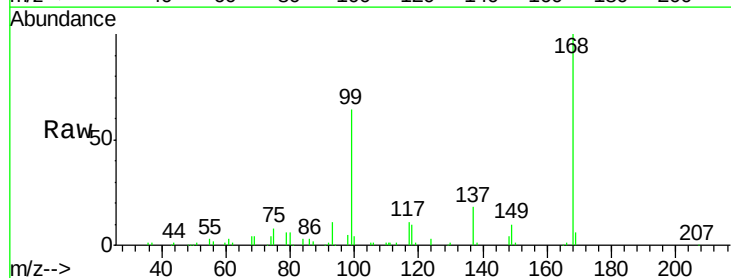
Instrument :
 MSVOA_N
 ClientSampled :
 SS-TP-1

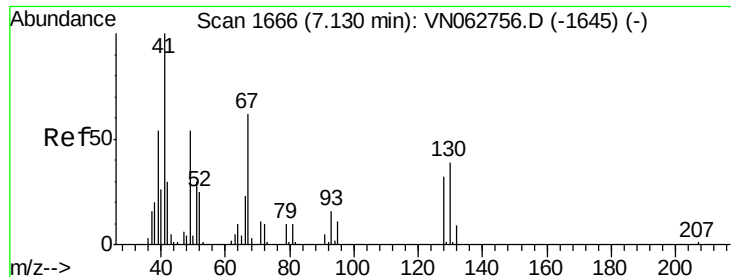
Tgt Ion: 75 Resp: 9623
 Ion Ratio Lower Upper
 75 100
 110 8.7 15.6 46.7#
 77 0.0 24.1 36.1#



#38
 Carbon Tetrachloride
 Concen: 5.331 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.11 min
 Lab File: VN062835.D
 Acq: 11 Aug 2020 17:31

Tgt Ion: 117 Resp: 12733
 Ion Ratio Lower Upper
 117 100
 119 4.8 79.4 119.2#
 121 0.0 24.9 37.3#





#41

Methacrylonitrile

Concen: 0.235 ug/l

RT: 7.17 min Scan# 1680

Delta R.T. 0.04 min

Lab File: VN062835.D

Acq: 11 Aug 2020 17:31

Instrument :

MSVOA_N

ClientSampled :

SS-TP-1

Tgt Ion: 41 Resp: 224

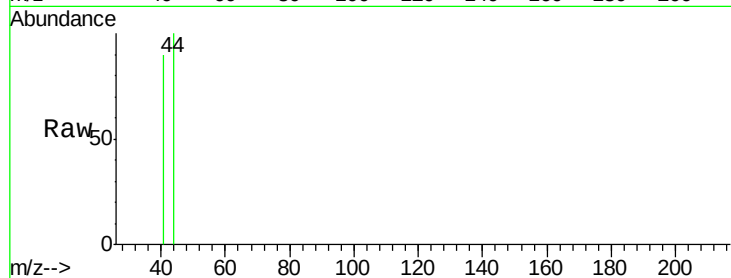
Ion Ratio Lower Upper

41 100

39 0.0 69.4 104.2#

67 0.0 0.0 0.0

52 0.0 0.0 0.0

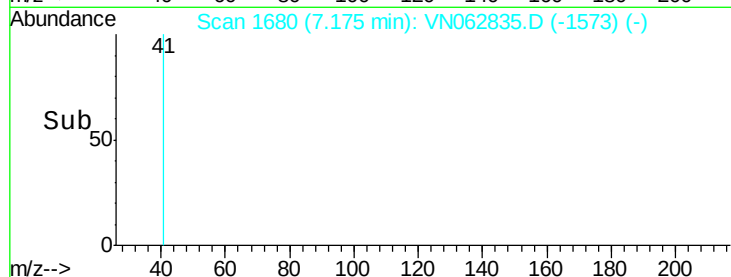
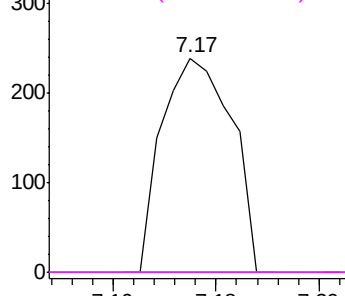


Abundance Ion 41.00 (40.70 to 41.70): VN0

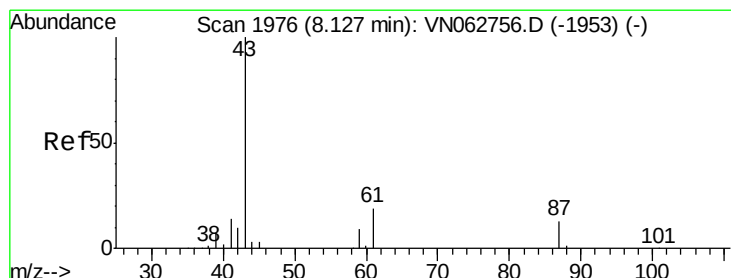
Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



Time-->



#43

Isopropyl Acetate

Concen: 10.676 ug/l

RT: 8.13 min Scan# 1977

Delta R.T. 0.00 min

Lab File: VN062835.D

Acq: 11 Aug 2020 17:31

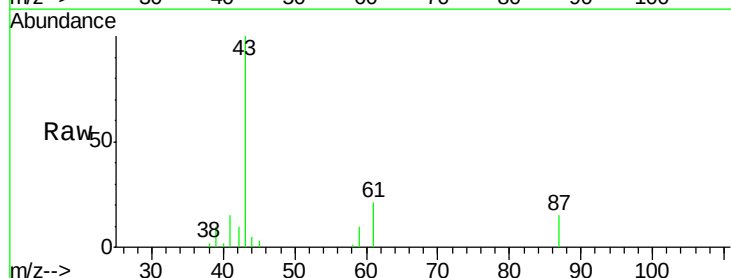
Tgt Ion: 43 Resp: 37565

Ion Ratio Lower Upper

43 100

61 19.6 15.8 23.6

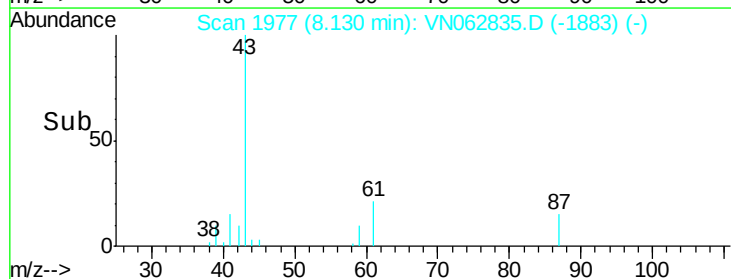
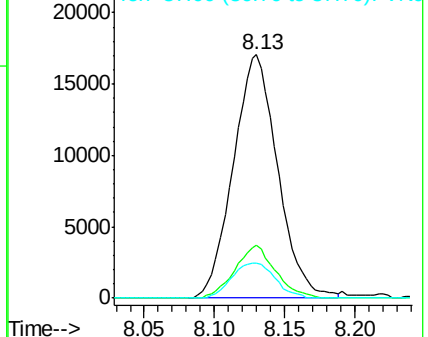
87 14.0 9.9 14.9

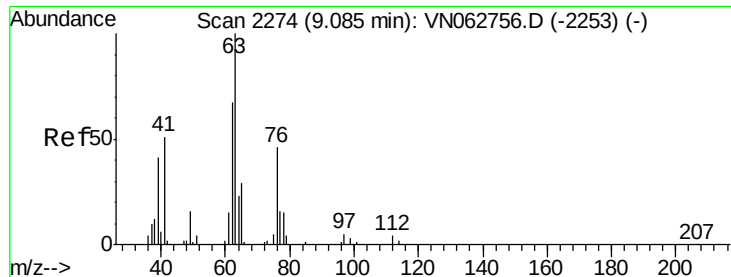


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

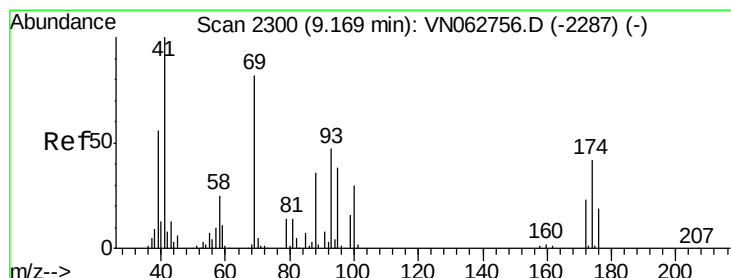
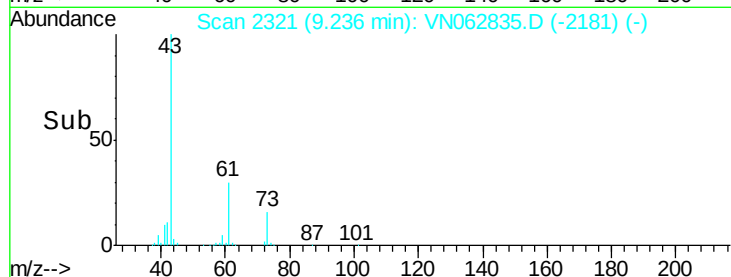
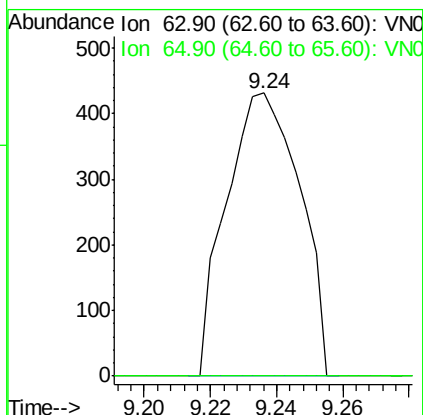
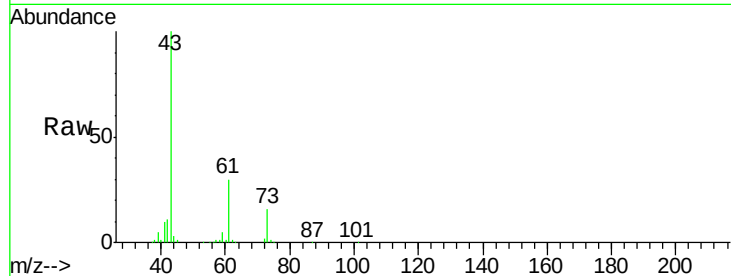




#45
 1,2-Dichloropropane
 Concen: 0.408 ug/l
 RT: 9.24 min Scan# 2321
 Delta R.T. 0.15 min
 Lab File: VN062835.D
 Acq: 11 Aug 2020 17:31

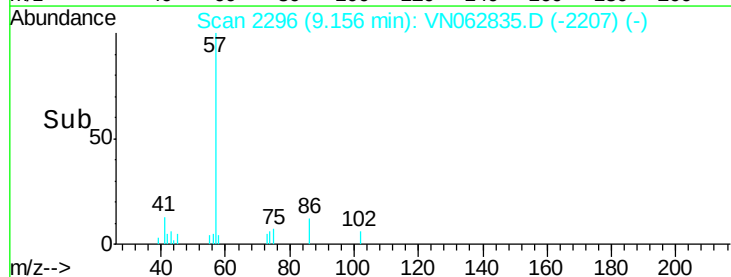
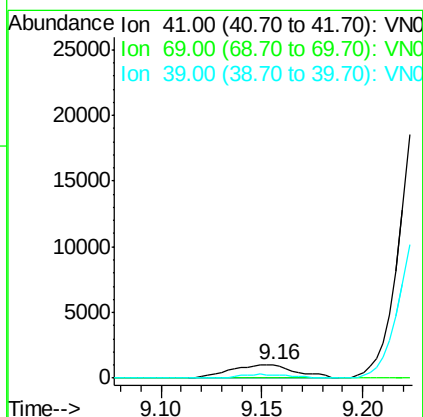
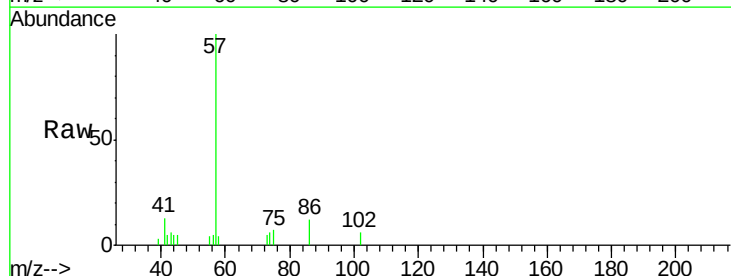
Instrument :
 MSVOA_N
 ClientSampled :
 SS-TP-1

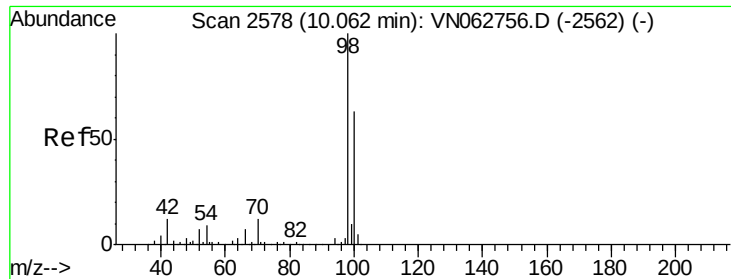
Tgt Ion: 63 Resp: 665
 Ion Ratio Lower Upper
 63 100
 65 0.0 23.5 35.3#



#48
 Methyl methacrylate
 Concen: 1.299 ug/l
 RT: 9.16 min Scan# 2296
 Delta R.T. -0.01 min
 Lab File: VN062835.D
 Acq: 11 Aug 2020 17:31

Tgt Ion: 41 Resp: 2248
 Ion Ratio Lower Upper
 41 100
 69 0.0 67.4 101.2#
 39 0.0 47.6 71.4#

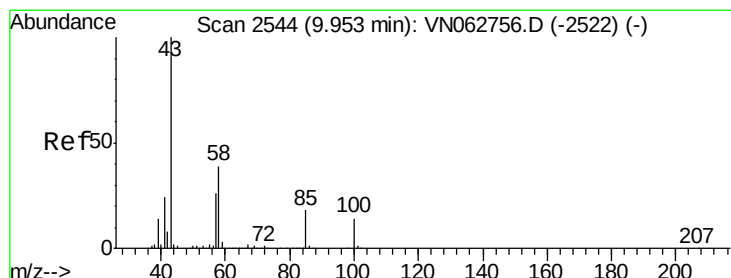
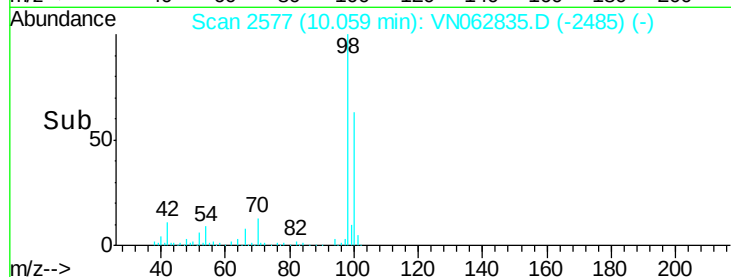
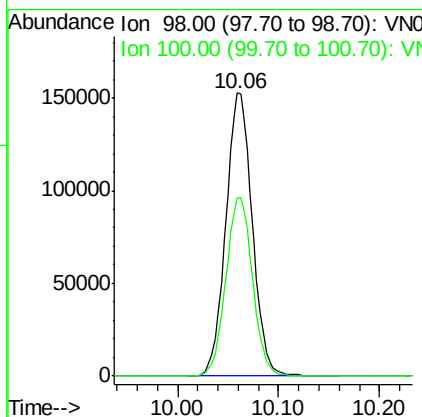
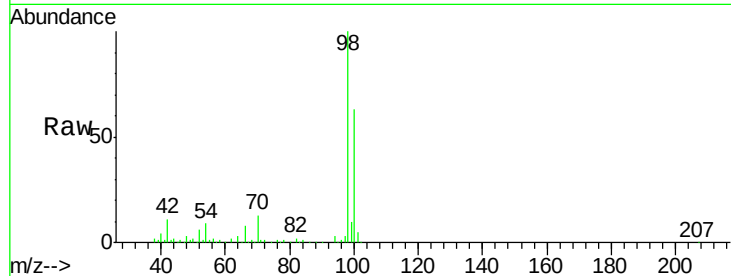




#50
Toluene-d8
Concen: 50.589 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062835.D
Acq: 11 Aug 2020 17:31

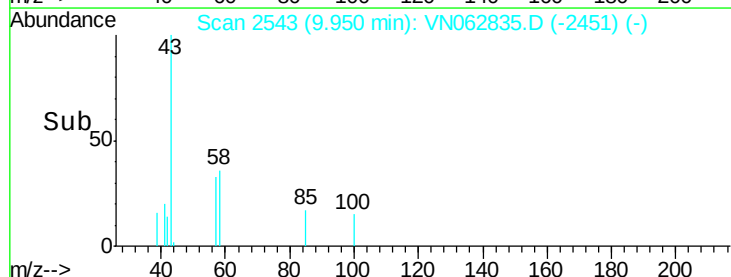
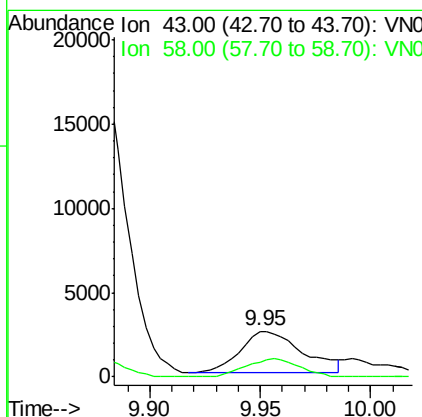
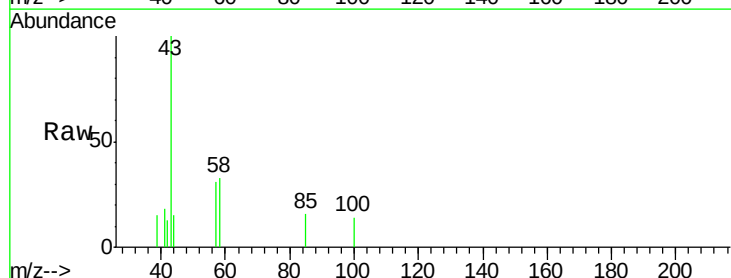
Instrument :
MSVOA_N
ClientSampled :
SS-TP-1

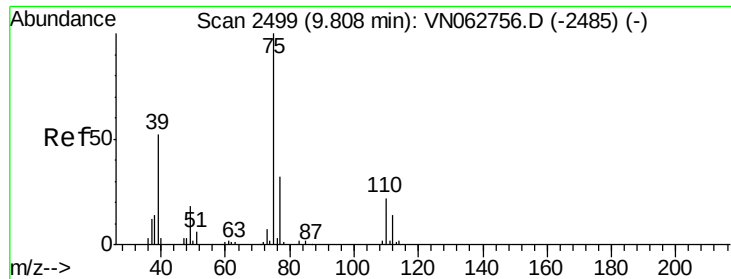
Tgt Ion: 98 Resp: 280216
Ion Ratio Lower Upper
98 100
100 63.6 50.9 76.3



#51
4-Methyl-2-Pentanone
Concen: 2.129 ug/l
RT: 9.95 min Scan# 2543
Delta R.T. -0.00 min
Lab File: VN062835.D
Acq: 11 Aug 2020 17:31

Tgt Ion: 43 Resp: 4848
Ion Ratio Lower Upper
43 100
58 37.1 31.1 46.7





#54

cis-1,3-Dichloropropene

Concen: 6.313 ug/l

RT: 9.88 min Scan# 2520

Delta R.T. 0.07 min

Lab File: VN062835.D

Acq: 11 Aug 2020 17:31

Instrument :

MSVOA_N

ClientSampleId :

SS-TP-1

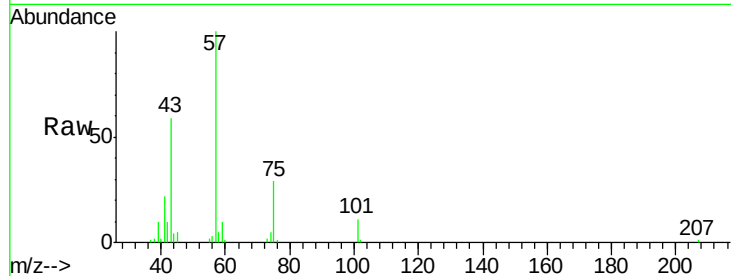
Tgt Ion: 75 Resp: 16734

Ion Ratio Lower Upper

75 100

77 0.0 25.5 38.3#

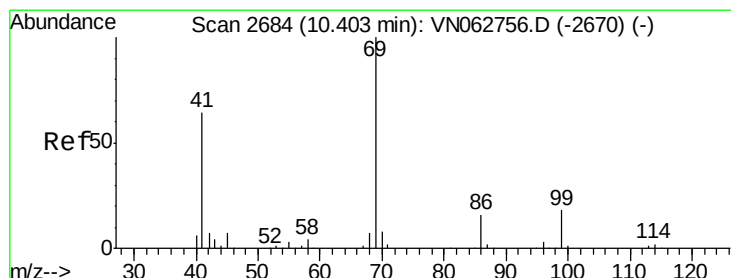
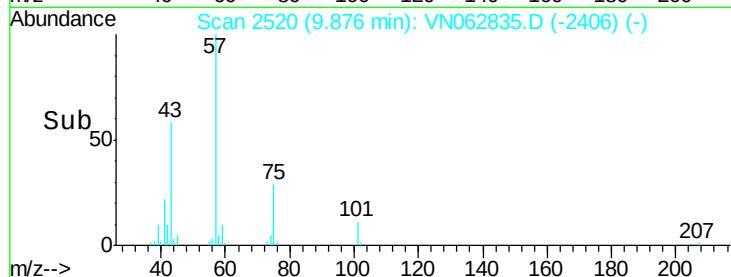
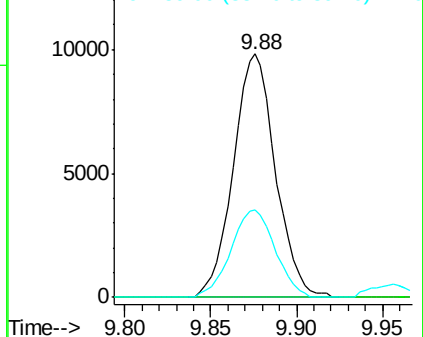
39 35.8 41.9 62.9#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0



#56

Ethyl methacrylate

Concen: 0.416 ug/l

RT: 10.52 min Scan# 2719

Delta R.T. 0.11 min

Lab File: VN062835.D

Acq: 11 Aug 2020 17:31

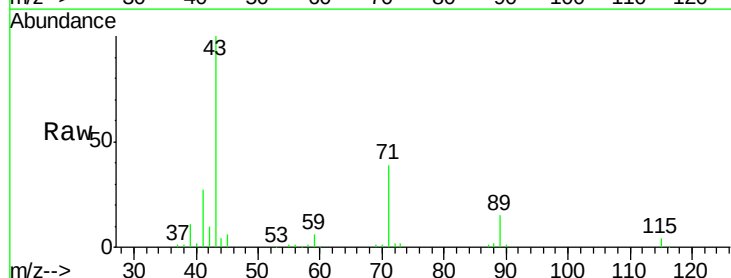
Tgt Ion: 69 Resp: 994

Ion Ratio Lower Upper

69 100

41 3546.3 52.2 78.2#

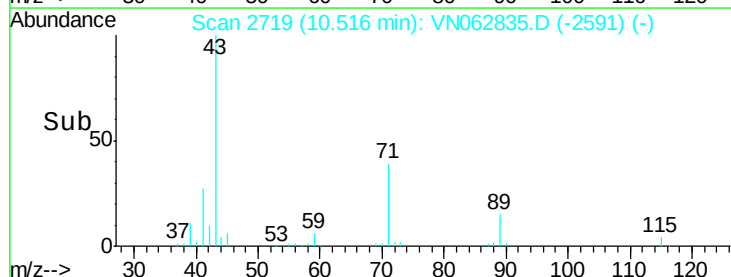
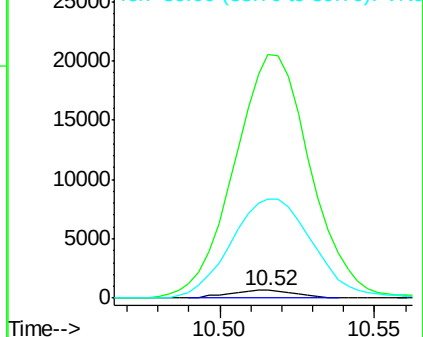
39 1549.5 30.9 46.3#

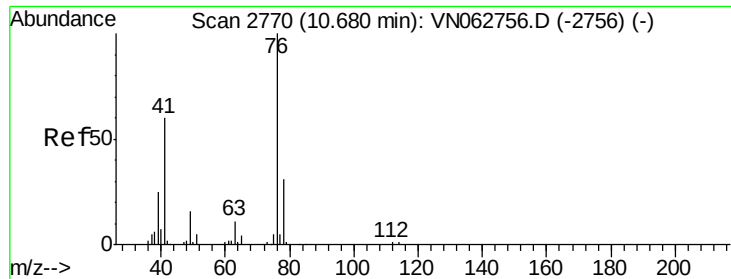


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

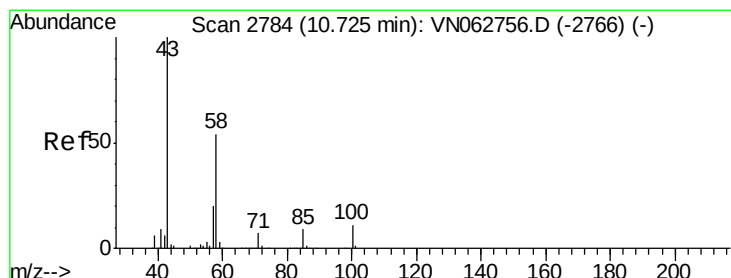
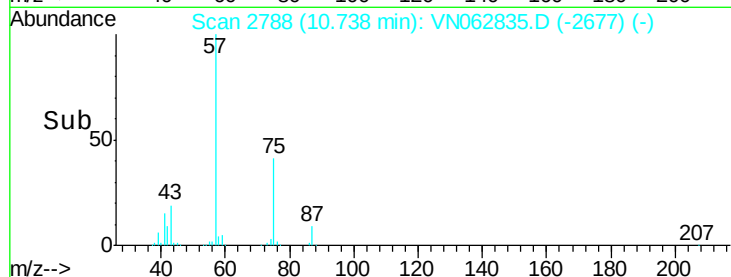
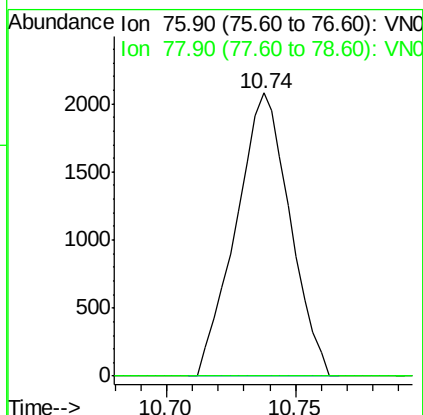
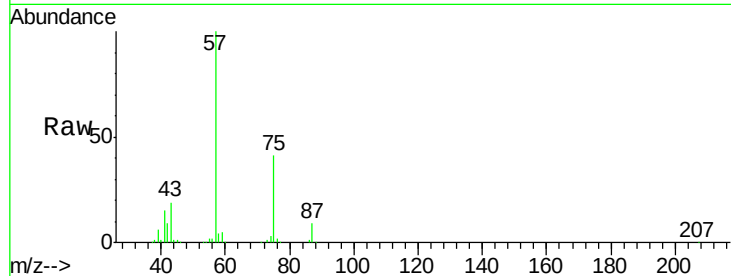




#57
 1,3-Dichloropropane
 Concen: 1.122 ug/l
 RT: 10.74 min Scan# 2788
 Delta R.T. 0.06 min
 Lab File: VN062835.D
 Acq: 11 Aug 2020 17:31

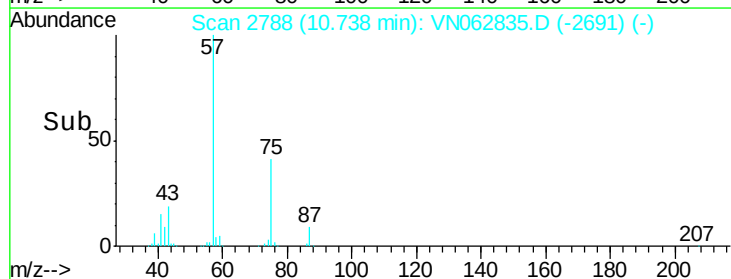
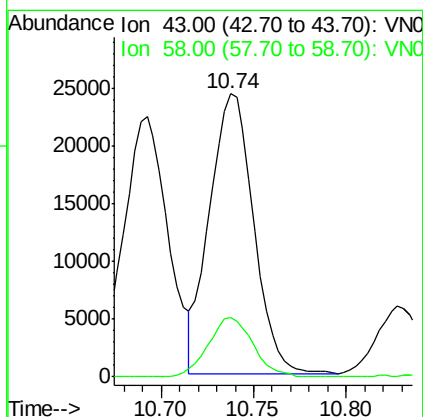
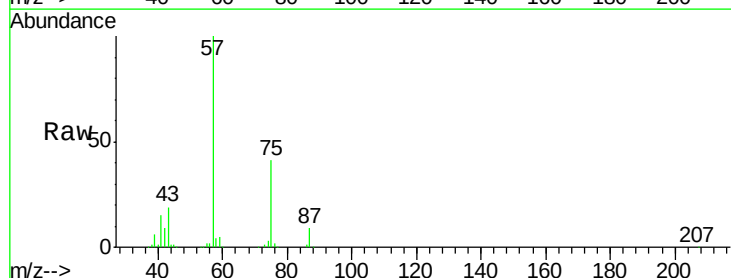
Instrument :
 MSVOA_N
 ClientSampled :
 SS-TP-1

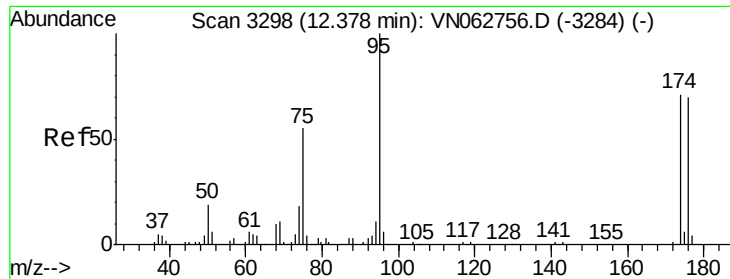
Tgt Ion: 76 Resp: 3030
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.4 38.0#



#59
 2-Hexanone
 Concen: 23.623 ug/l
 RT: 10.74 min Scan# 2788
 Delta R.T. 0.01 min
 Lab File: VN062835.D
 Acq: 11 Aug 2020 17:31

Tgt Ion: 43 Resp: 40118
 Ion Ratio Lower Upper
 43 100
 58 21.4 26.7 80.1#





#62

4-Bromofluorobenzene

Concen: 48.976 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN062835.D

Acq: 11 Aug 2020 17:31

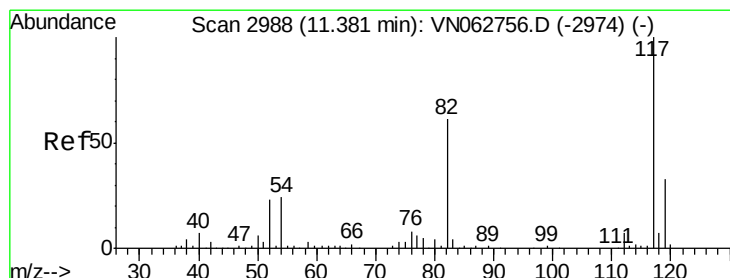
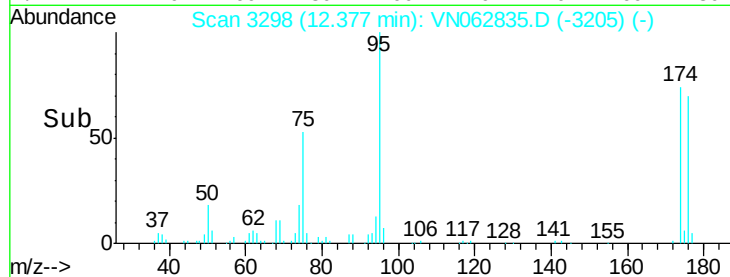
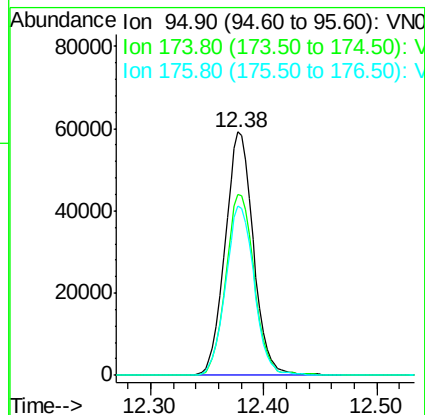
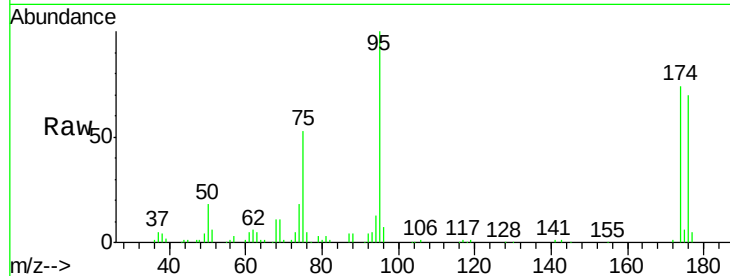
Instrument :

MSVOA_N

ClientSampleId :

SS-TP-1

Tgt Ion:	95	Resp:	102517
Ion	Ratio	Lower	Upper
95	100		
174	75.2	0.0	144.8
176	70.6	0.0	142.2



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

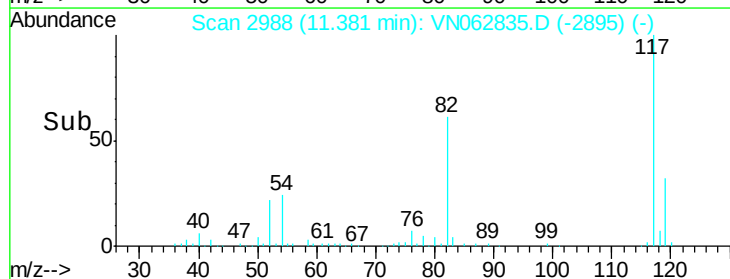
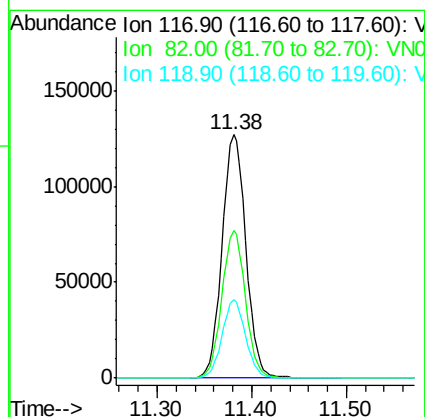
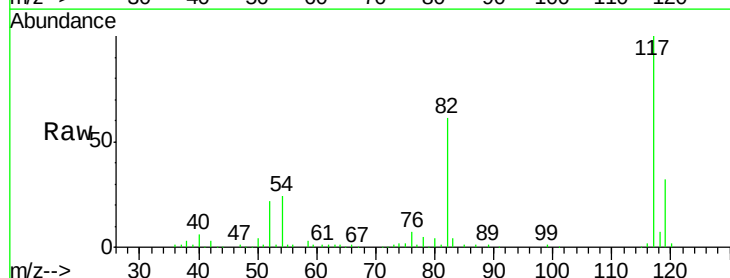
RT: 11.38 min Scan# 2988

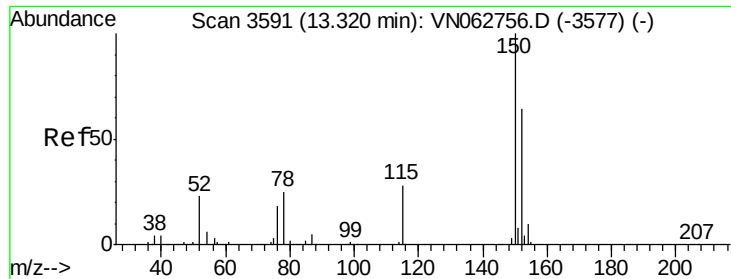
Delta R.T. -0.00 min

Lab File: VN062835.D

Acq: 11 Aug 2020 17:31

Tgt Ion:	117	Resp:	222112
Ion	Ratio	Lower	Upper
117	100		
82	60.8	49.0	73.4
119	32.3	26.2	39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. -0.00 min

Lab File: VN062835.D

Acq: 11 Aug 2020 17:31

Instrument :

MSVOA_N

ClientSampleId :

SS-TP-1

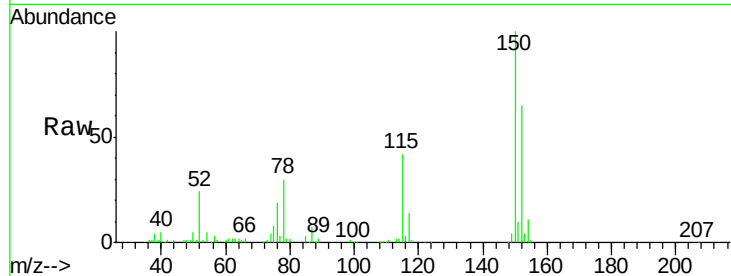
Tgt Ion:152 Resp: 79514

Ion Ratio Lower Upper

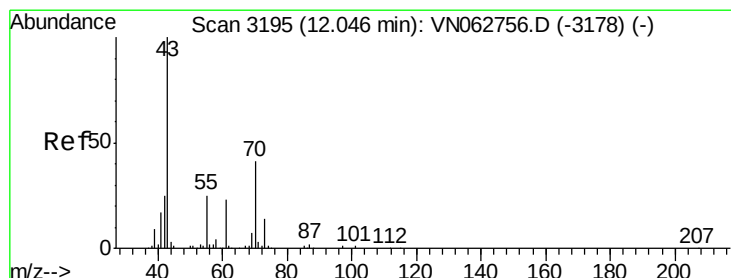
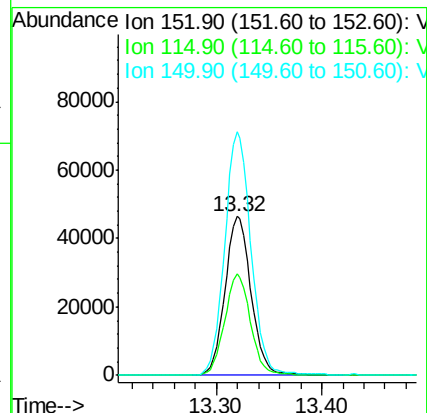
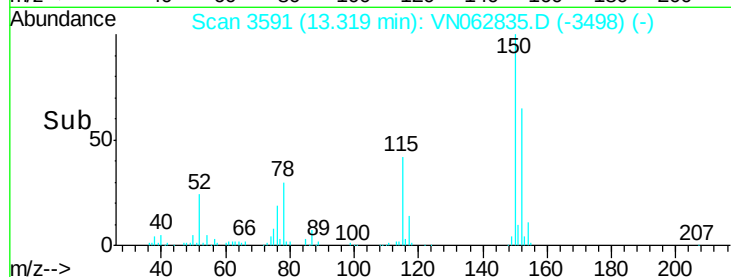
152 100

115 63.0 31.6 94.8

150 154.5 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-ethyl acetate

Concen: 0.276 ug/l

RT: 12.01 min Scan# 3184

Delta R.T. -0.04 min

Lab File: VN062835.D

Acq: 11 Aug 2020 17:31

Tgt Ion: 43 Resp: 670

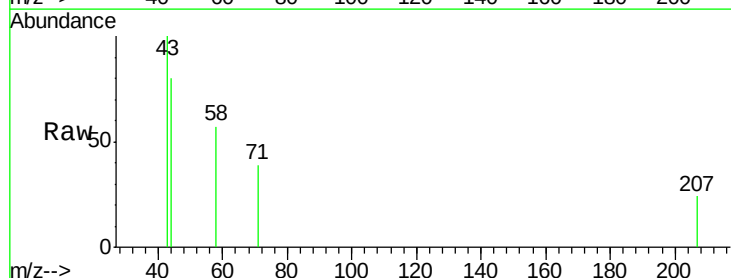
Ion Ratio Lower Upper

43 100

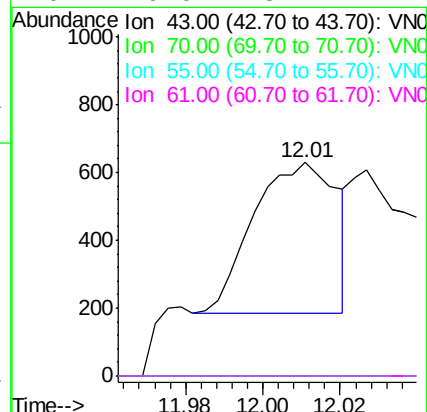
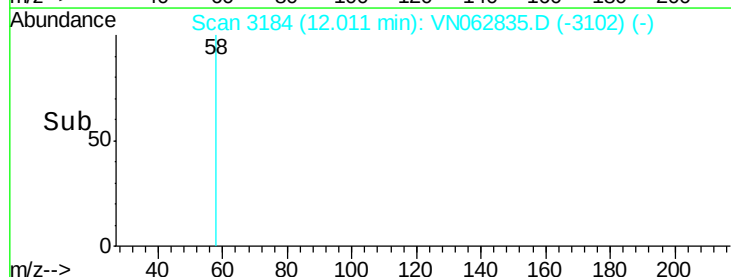
70 0.0 32.3 48.5#

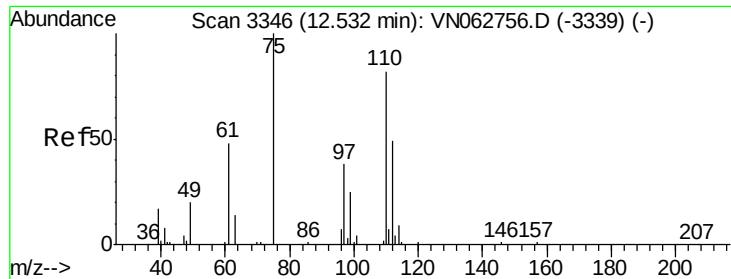
55 0.0 20.2 30.2#

61 0.0 18.2 27.4#



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 70.00 (69.70 to 70.70): VNO
Ion 55.00 (54.70 to 55.70): VNO
Ion 61.00 (60.70 to 61.70): VNO

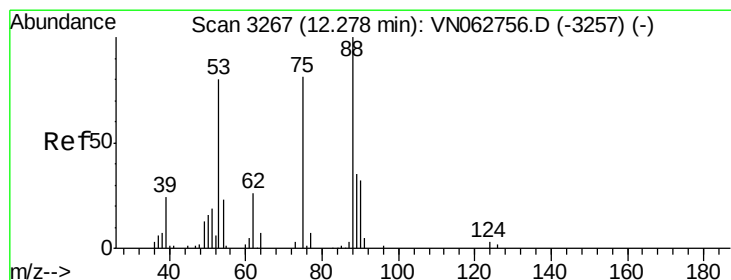
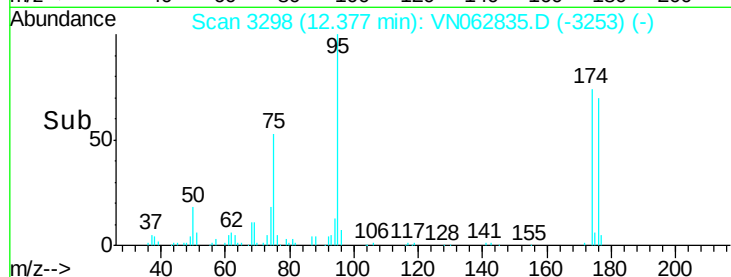
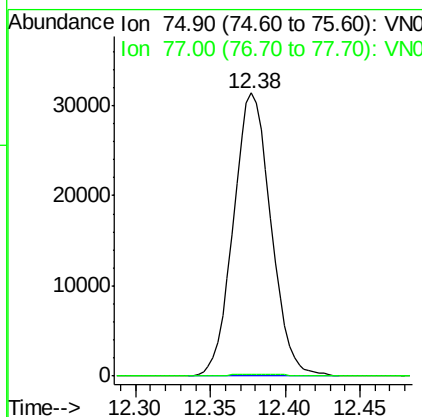
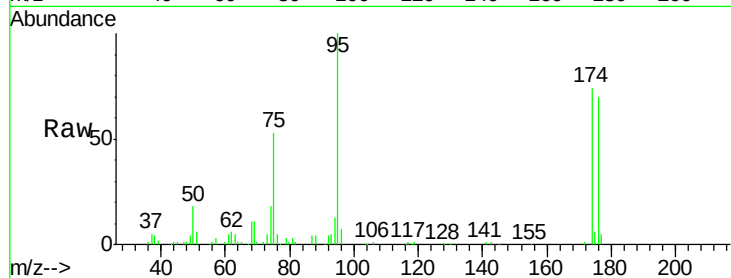




#76
 1,2,3-Trichloropropane
 Concen: 25.600 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.15 min
 Lab File: VN062835.D
 Acq: 11 Aug 2020 17:31

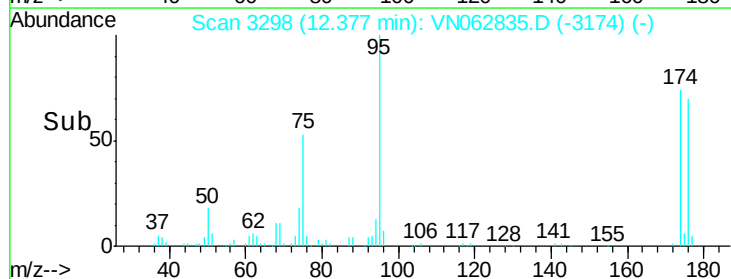
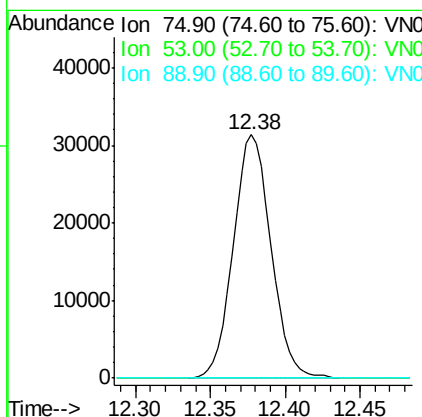
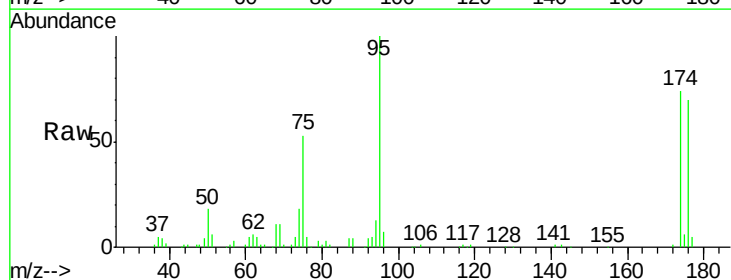
Instrument :
 MSVOA_N
 ClientSampled :
 SS-TP-1

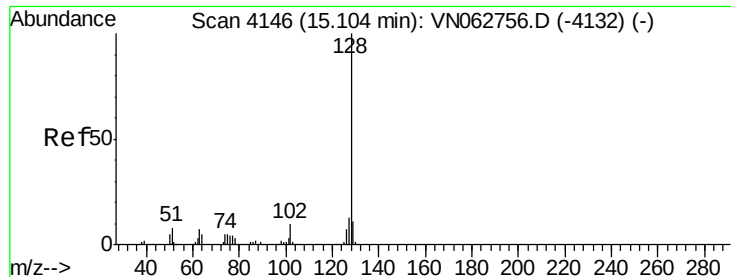
Tgt Ion: 75 Resp: 54897
 Ion Ratio Lower Upper
 75 100
 77 0.9 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 78.150 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.10 min
 Lab File: VN062835.D
 Acq: 11 Aug 2020 17:31

Tgt Ion: 75 Resp: 54897
 Ion Ratio Lower Upper
 75 100
 53 0.0 79.1 118.7#
 89 0.0 36.2 54.2#

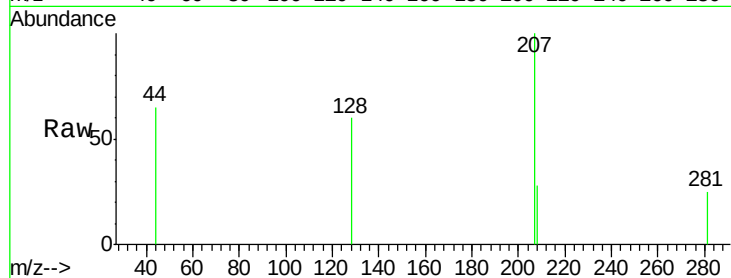




#95
Naphthalene
Concen: 3.861 ug/l
RT: 15.12 min Scan# 4150
Delta R.T. 0.01 min
Lab File: VN062835.D
Acq: 11 Aug 2020 17:31

Instrument :
MSVOA_N
ClientSampleId :
SS-TP-1

Tgt Ion:128 Resp: 604
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

