

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081320\
 Data File : VN062915.D
 Acq On : 13 Aug 2020 16:52
 Operator : JC/MD
 Sample : L3667-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 S39-ER-2020-1

Quant Time: Aug 14 05:09:12 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	146622	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	239439	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	240117	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	92704	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	114804	47.35	ug/l	0.00
Spiked Amount			Recovery	=	94.70%	
35) Dibromofluoromethane	7.55	113	85766	52.36	ug/l	0.00
Spiked Amount			Recovery	=	104.72%	
50) Toluene-d8	10.06	98	312127	48.81	ug/l	0.00
Spiked Amount			Recovery	=	97.62%	
62) 4-Bromofluorobenzene	12.38	95	114639	47.44	ug/l	0.00
Spiked Amount			Recovery	=	94.88%	

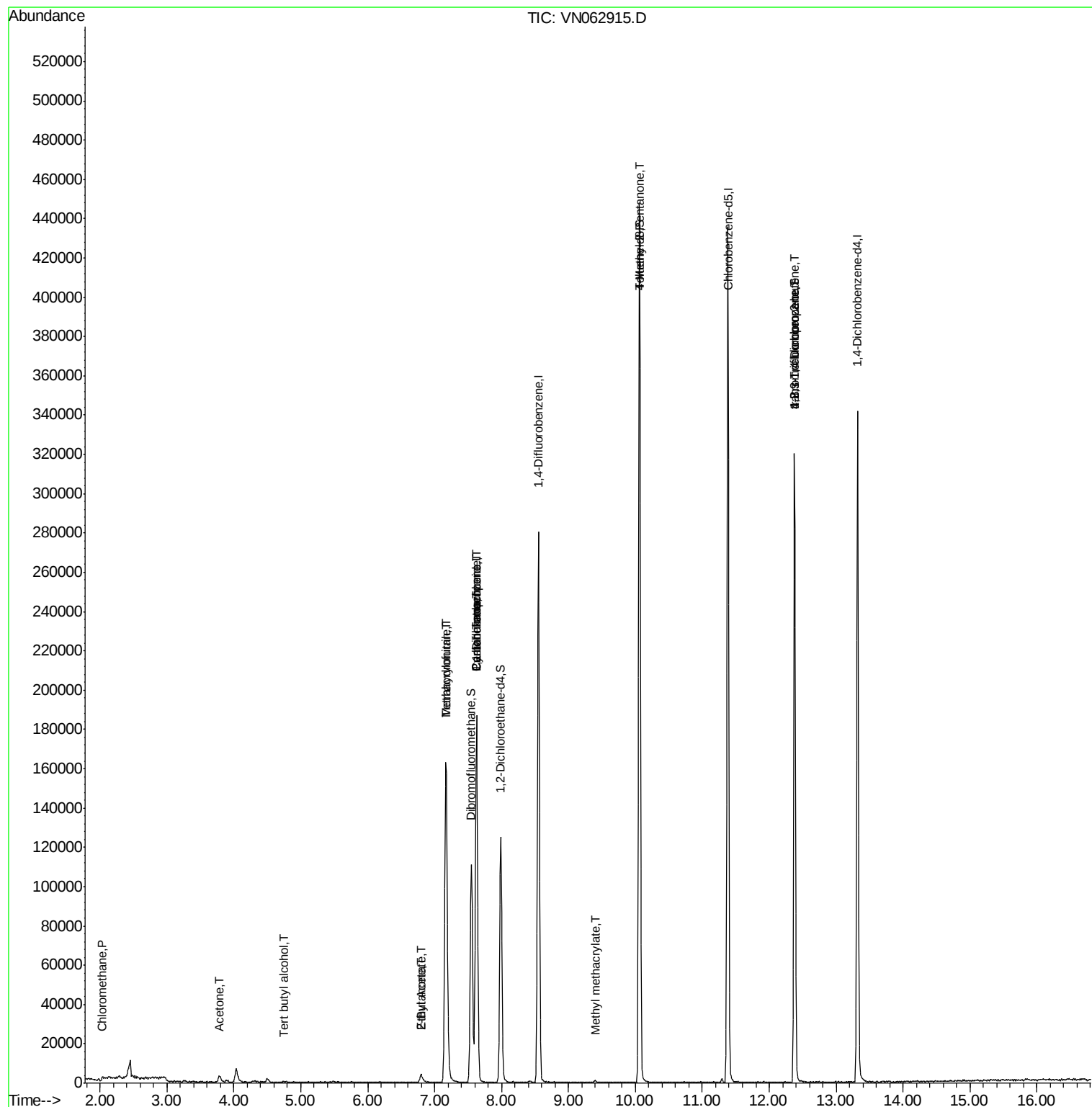
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.03	50	924	0.466	ug/l #	64
11) Tert butyl alcohol	4.75	59	906	2.280	ug/l #	72
16) Acetone	3.78	43	2976	3.397	ug/l	96
17) Carbon Disulfide	4.00	76	371	Below Cal	#	74
18) Methyl Acetate	4.30	43	720	Below Cal	#	52
25) 2-Butanone	6.80	43	8356	6.734	ug/l	96
29) Tetrahydrofuran	7.17	42	133681	165.827	ug/l	98
31) Cyclohexane	7.63	56	3133	1.066	ug/l #	10
36) 1,1-Dichloropropene	7.63	75	11460	4.915	ug/l #	50
37) Ethyl Acetate	6.80	43	8356	3.431	ug/l #	67
38) Carbon Tetrachloride	7.62	117	14622	5.303	ug/l #	16
41) Methacrylonitrile	7.17	41	79034	71.917	ug/l #	59
48) Methyl methacrylate	9.40	41	403	0.202	ug/l #	13
51) 4-Methyl-2-Pentanone	10.06	43	1519	0.578	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	59280	23.711	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	59280	72.383	ug/l #	10

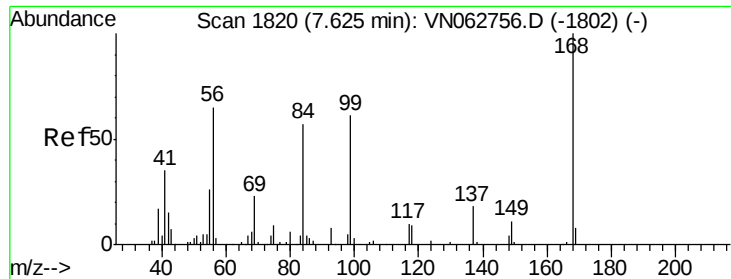
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN081320\
Data File : VN062915.D
Acq On : 13 Aug 2020 16:52
Operator : JC/MD
Sample : L3667-03
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
S39-ER-2020-1

Quant Time: Aug 14 05:09:12 2020
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# 1820

Delta R.T. -0.00 min

Lab File: VN062915.D

Acq: 13 Aug 2020 16:52

Instrument :

MSVOA_N

ClientSampleId :

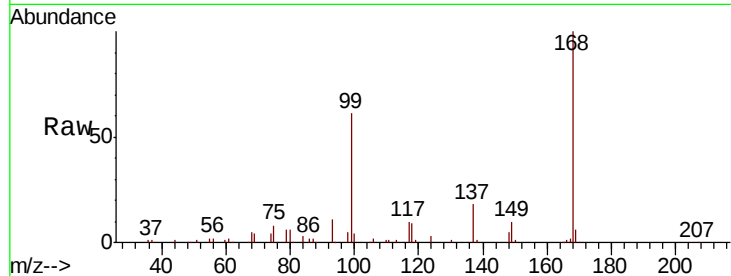
S39-ER-2020-1

Tot Ion:168 Resp: 146622

Ion Ratio Lower Upper

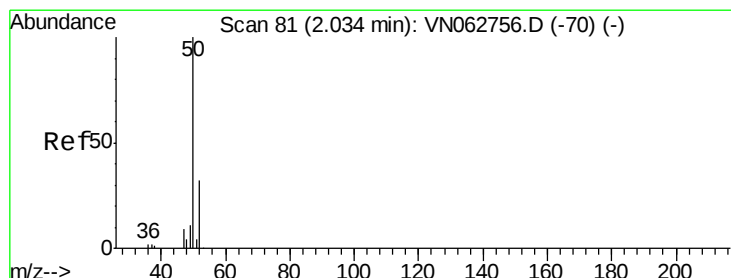
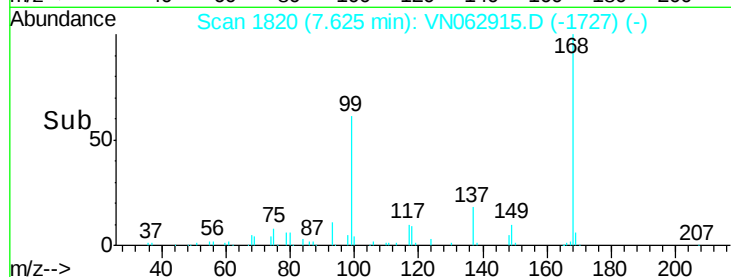
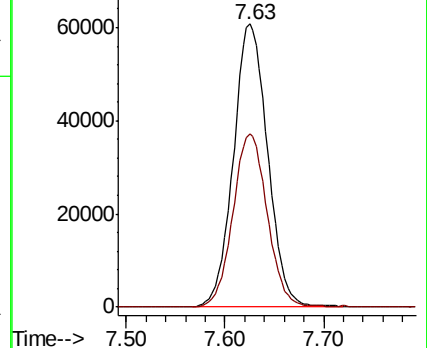
168 100

99 61.2 52.9 79.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#3

Chloromethane

Concen: 0.466 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN062915.D

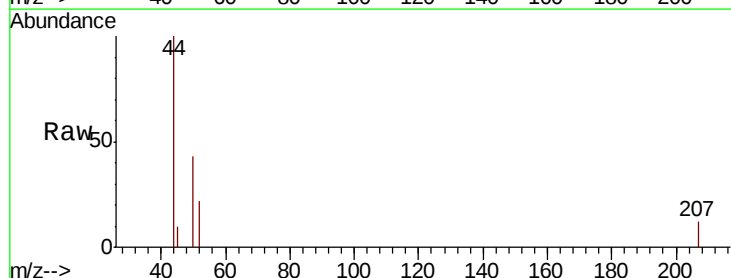
Acq: 13 Aug 2020 16:52

Tgt Ion: 50 Resp: 924

Ion Ratio Lower Upper

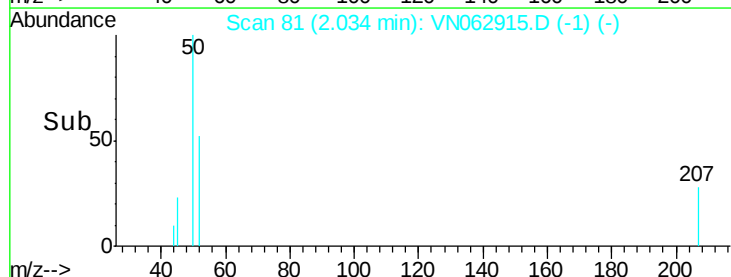
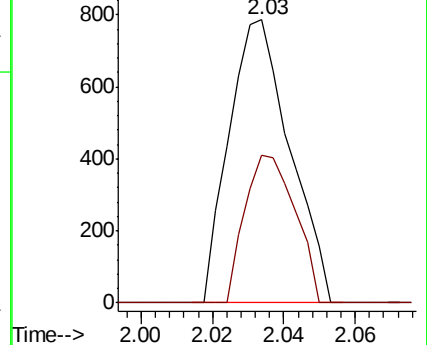
50 100

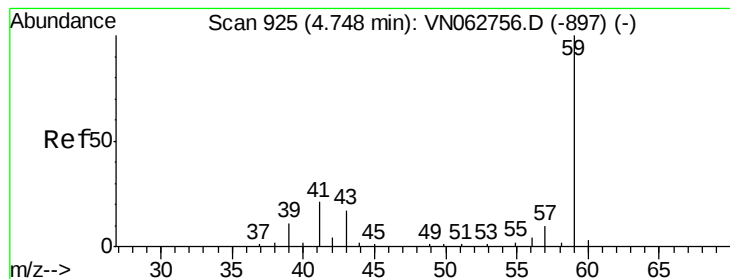
52 52.3 25.6 38.4#



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN



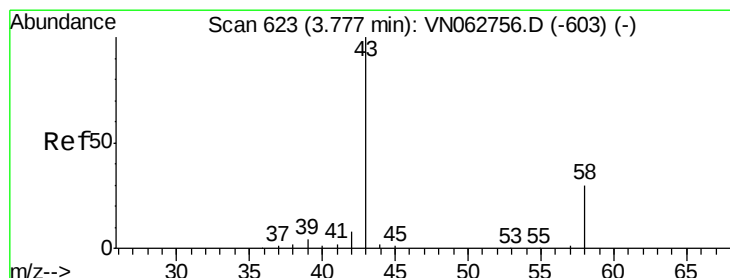
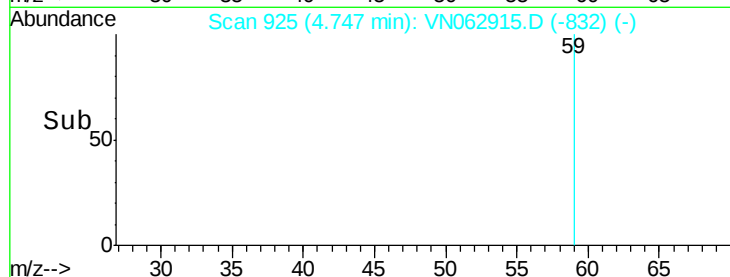
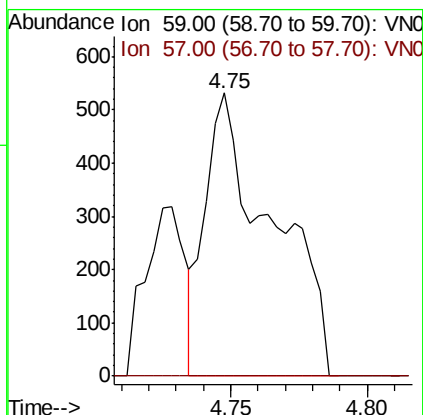
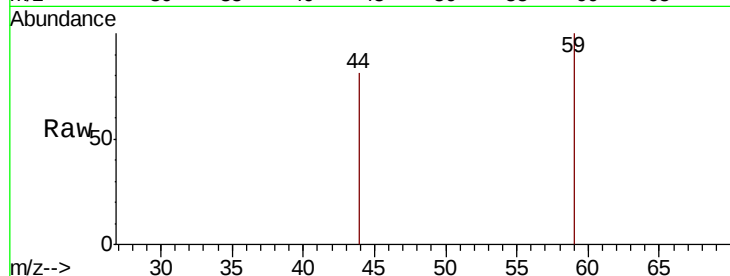


#11

Tert butyl alcohol
 Concen: 2.280 ug/l
 RT: 4.75 min Scan# 925
 Delta R.T. -0.00 min
 Lab File: VN062915.D
 Acq: 13 Aug 2020 16:52

Instrument :
 MSVOA_N
 ClientSampled :
 S39-ER-2020-1

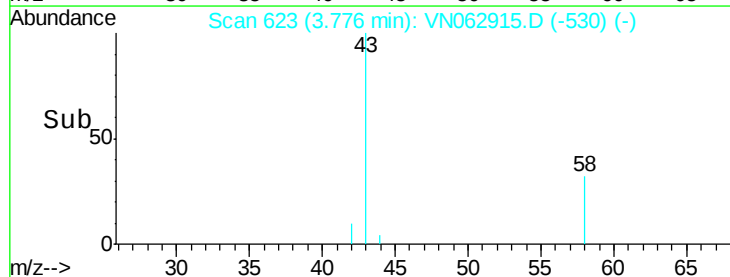
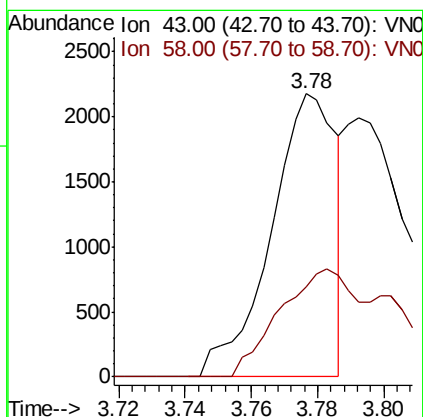
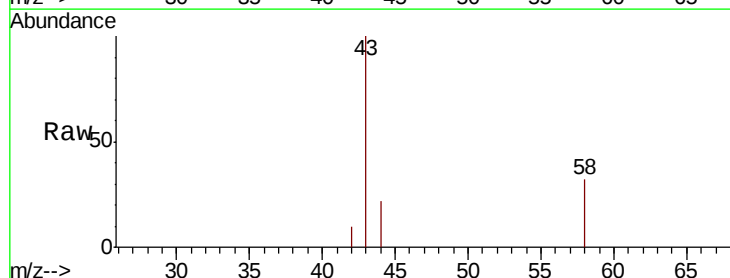
Tot Ion: 59 Resp: 906
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

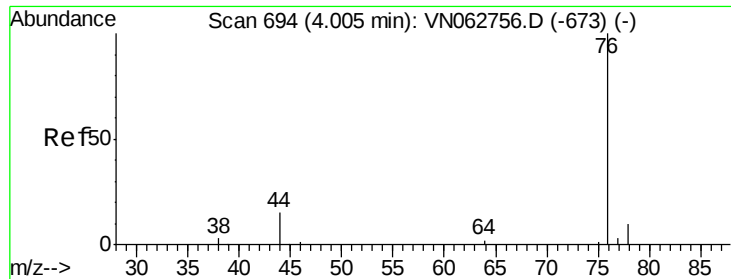


#16

Acetone
 Concen: 3.397 ug/l
 RT: 3.78 min Scan# 623
 Delta R.T. -0.00 min
 Lab File: VN062915.D
 Acq: 13 Aug 2020 16:52

Tgt Ion: 43 Resp: 2976
 Ion Ratio Lower Upper
 43 100
 58 32.1 24.1 36.1

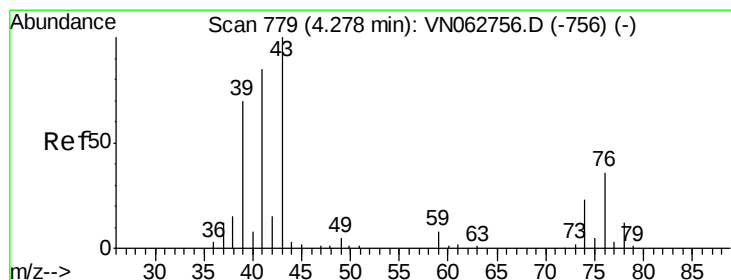
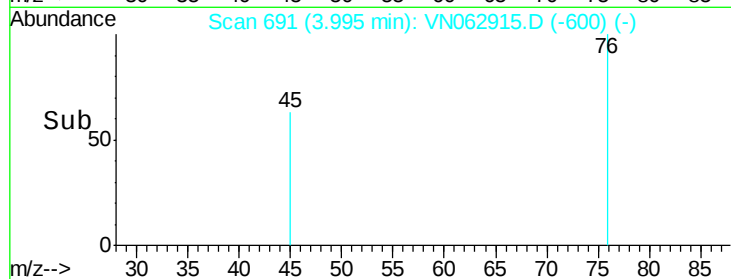
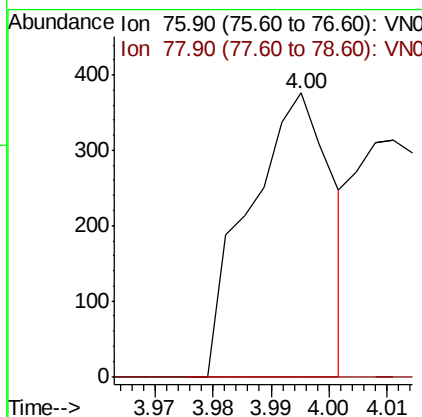
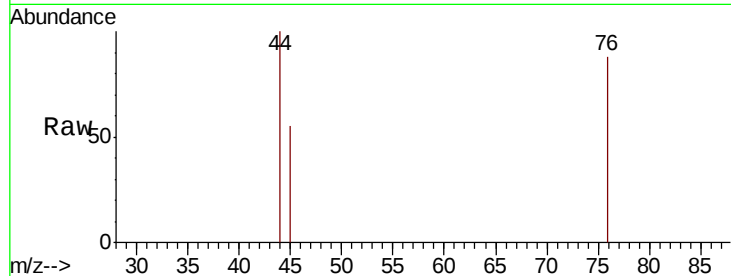




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.00 min Scan# 691
Delta R.T. -0.01 min
Lab File: VN062915.D
Acq: 13 Aug 2020 16:52

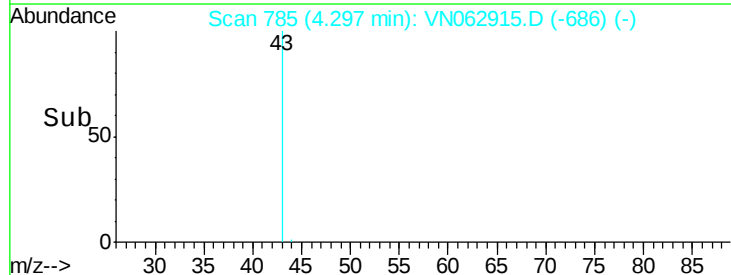
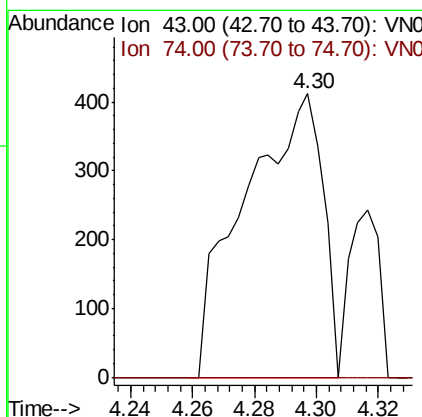
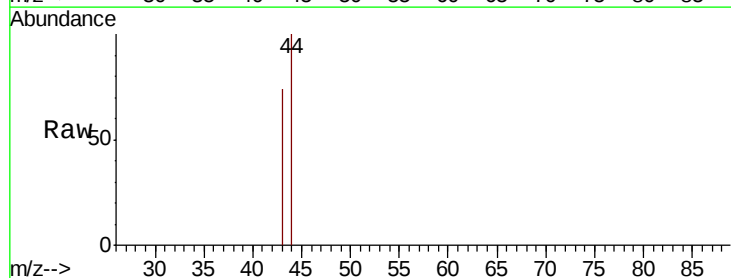
Instrument :
MSVOA_N
ClientSampleId :
S39-ER-2020-1

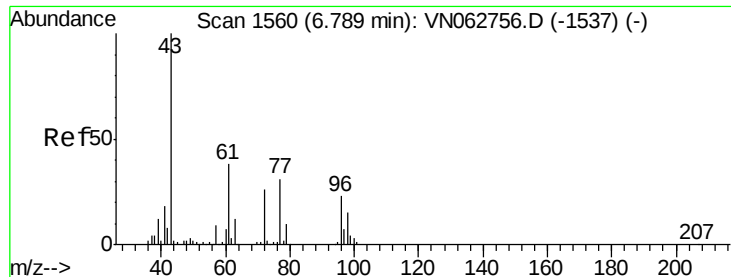
Tot Ion: 76 Resp: 371
Ion Ratio Lower Upper
76 100
78 0.0 7.7 11.5#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.30 min Scan# 785
Delta R.T. 0.02 min
Lab File: VN062915.D
Acq: 13 Aug 2020 16:52

Tgt Ion: 43 Resp: 720
Ion Ratio Lower Upper
43 100
74 0.0 18.6 28.0#





#25

2-Butanone

Concen: 6.734 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.01 min

Lab File: VN062915.D

Acq: 13 Aug 2020 16:52

Instrument :

MSVOA_N

ClientSampleId :

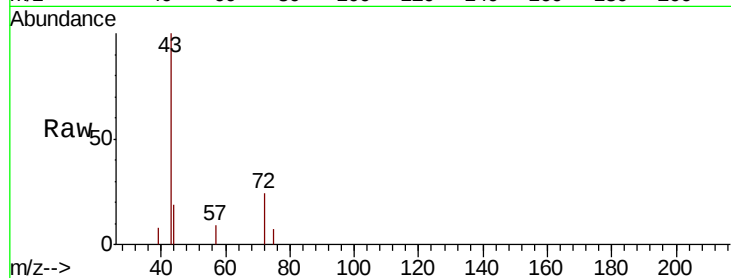
S39-ER-2020-1

Tot Ion: 43 Resp: 8356

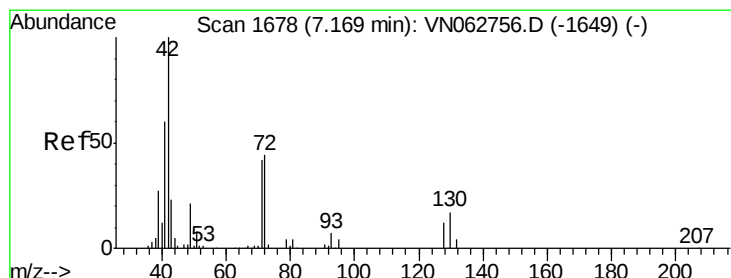
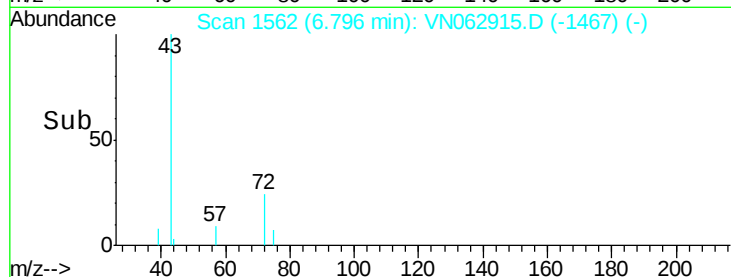
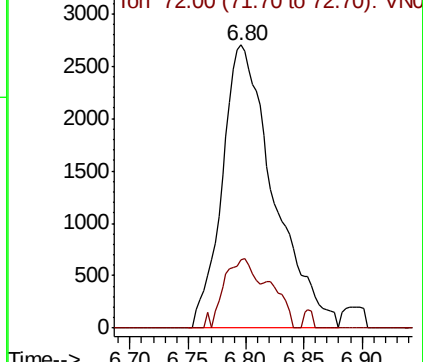
Ion Ratio Lower Upper

43 100

72 24.1 21.1 31.7



Abundance Ion 43.00 (42.70 to 43.70): VN062915.D (-1467) (-)



#29

Tetrahydrofuran

Concen: 165.827 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. -0.00 min

Lab File: VN062915.D

Acq: 13 Aug 2020 16:52

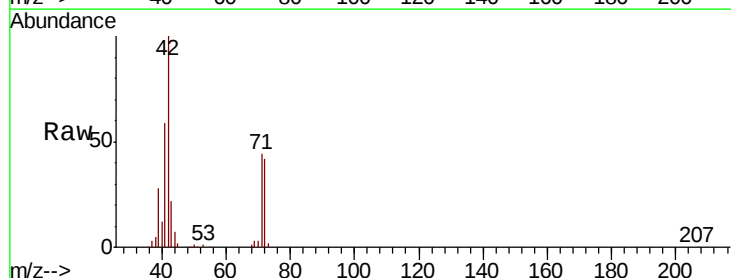
Tgt Ion: 42 Resp: 133681

Ion Ratio Lower Upper

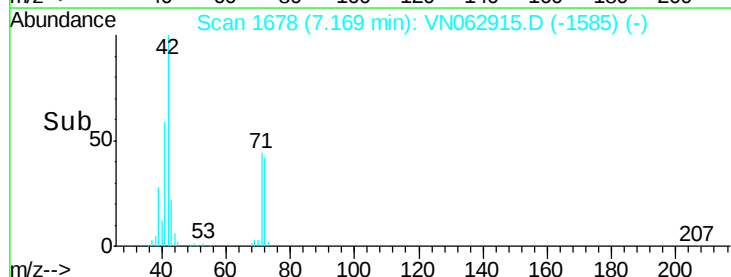
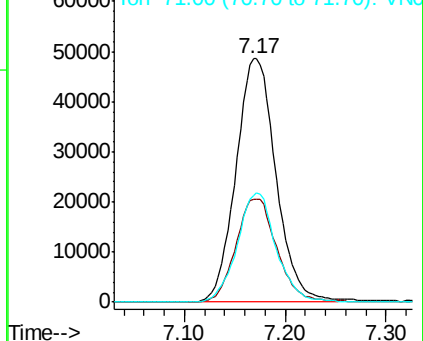
42 100

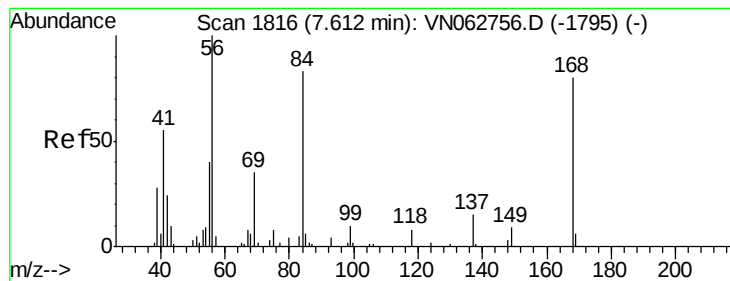
72 43.3 35.0 52.4

71 43.7 33.2 49.8



Abundance Ion 42.00 (41.70 to 42.70): VN062915.D (-1585) (-)





#31

Cyclohexane

Concen: 1.066 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. 0.02 min

Lab File: VN062915.D

Acq: 13 Aug 2020 16:52

Instrument :

MSVOA_N

ClientSampleId :

S39-ER-2020-1

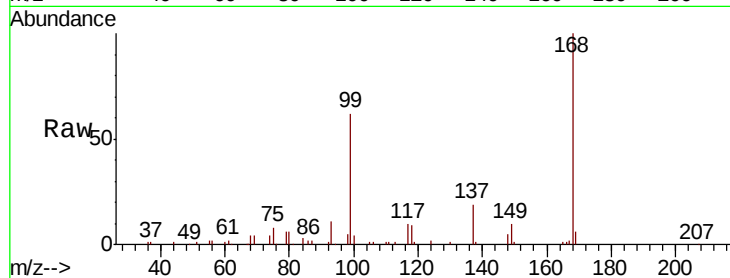
Tot Ion: 56 Resp: 3133

Ion Ratio Lower Upper

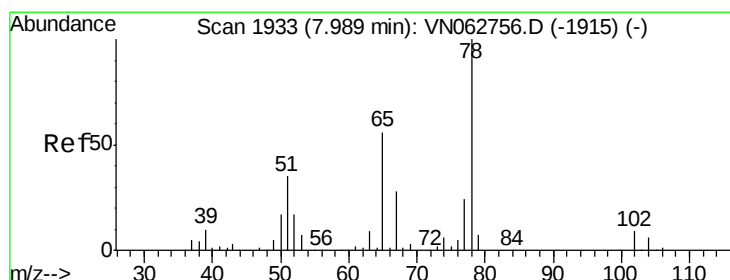
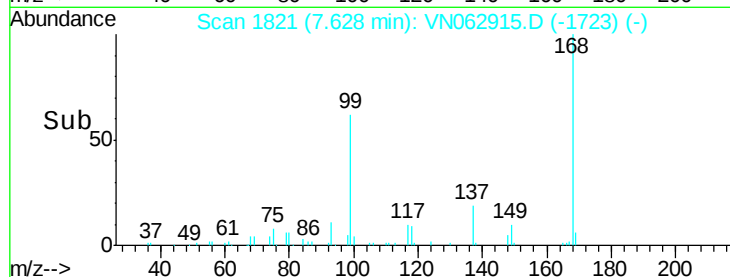
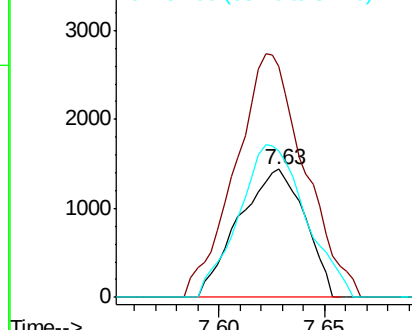
56 100

69 164.1 28.1 42.1#

84 114.6 66.8 100.2#



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



#33

1,2-Dichloroethane-d4

Concen: 47.348 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. -0.00 min

Lab File: VN062915.D

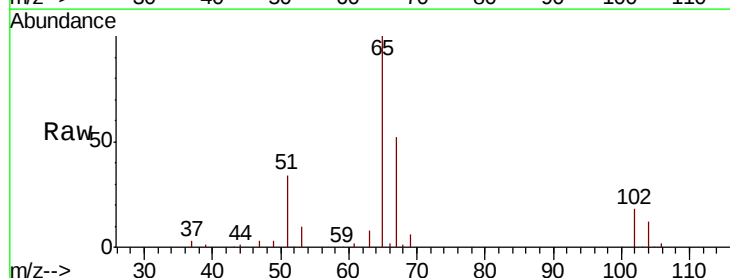
Acq: 13 Aug 2020 16:52

Tgt Ion: 65 Resp: 114804

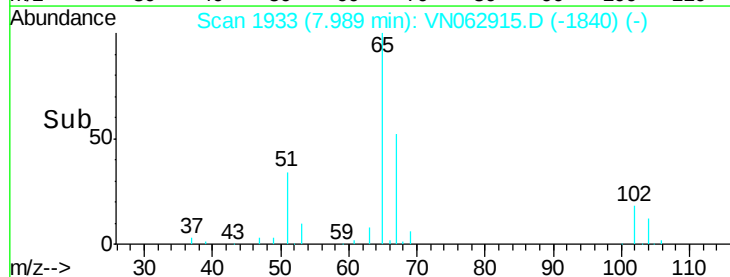
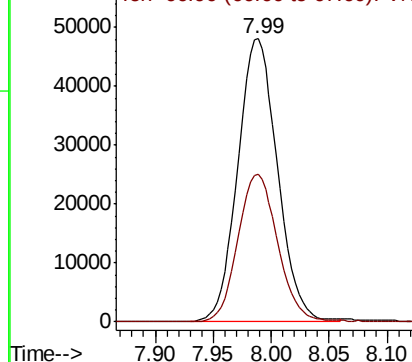
Ion Ratio Lower Upper

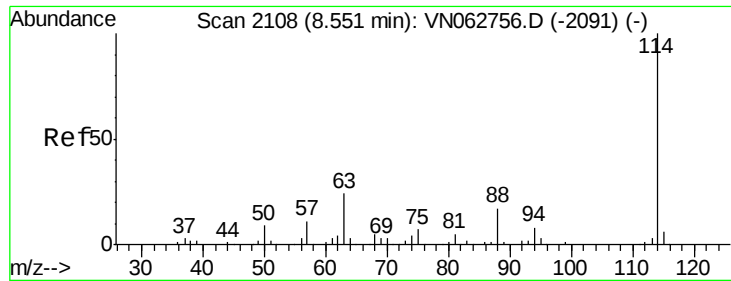
65 100

67 52.1 0.0 101.4



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

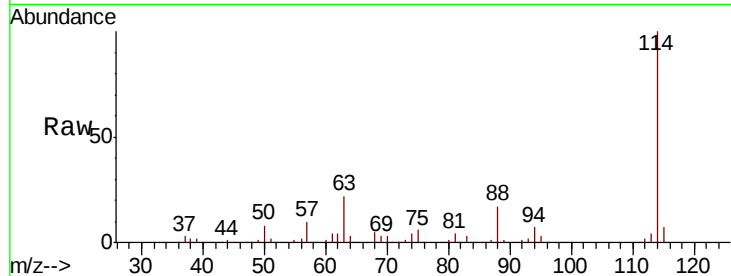




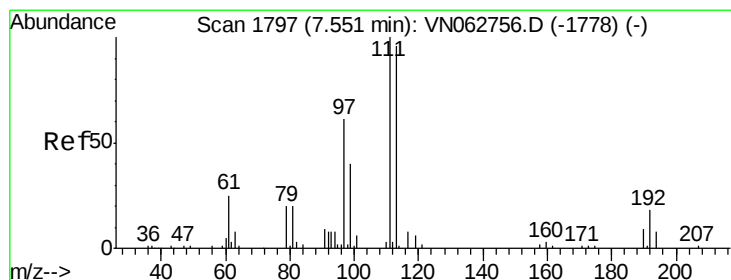
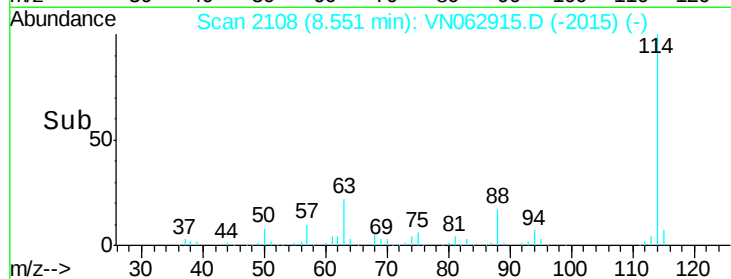
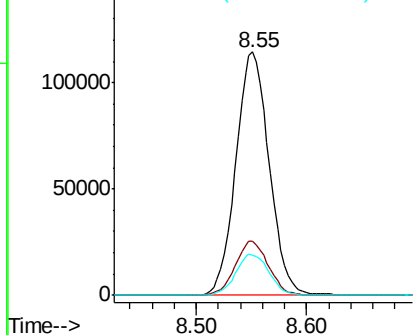
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2108
Delta R.T. -0.00 min
Lab File: VN062915.D
Acq: 13 Aug 2020 16:52

Instrument :
MSVOA_N
ClientSampleId :
S39-ER-2020-1

Tot Ion:114 Resp: 239439
Ion Ratio Lower Upper
114 100
63 22.0 0.0 47.6
88 16.7 0.0 34.4

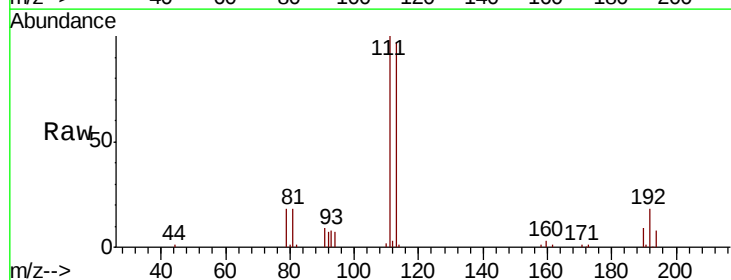


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

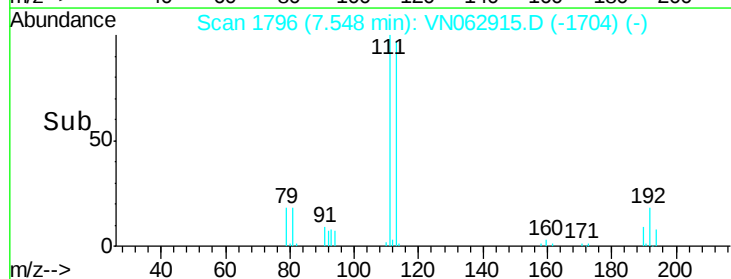
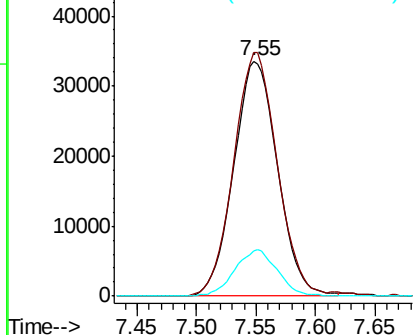


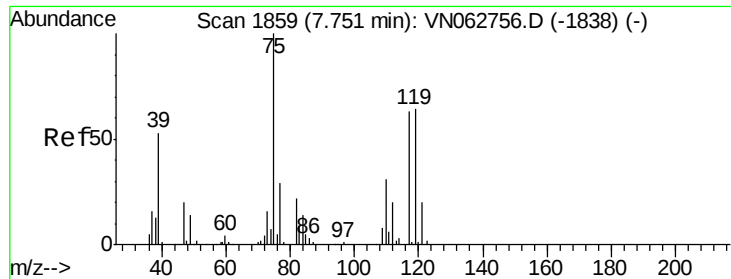
#35
Dibromofluoromethane
Concen: 52.363 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN062915.D
Acq: 13 Aug 2020 16:52

Tgt Ion:113 Resp: 85766
Ion Ratio Lower Upper
113 100
111 102.7 81.8 122.6
192 19.0 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

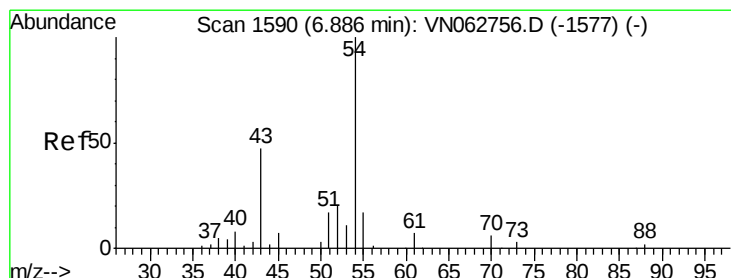
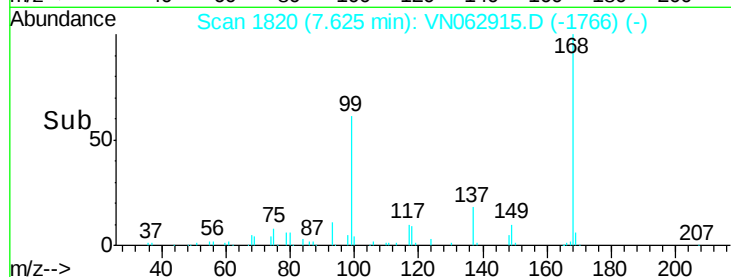
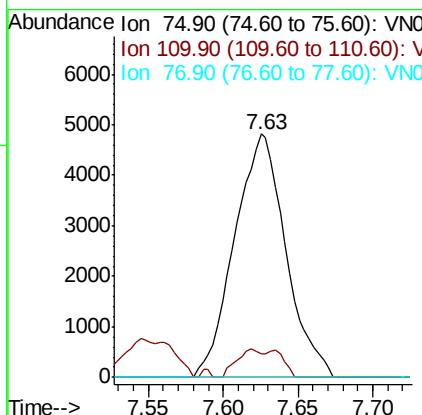
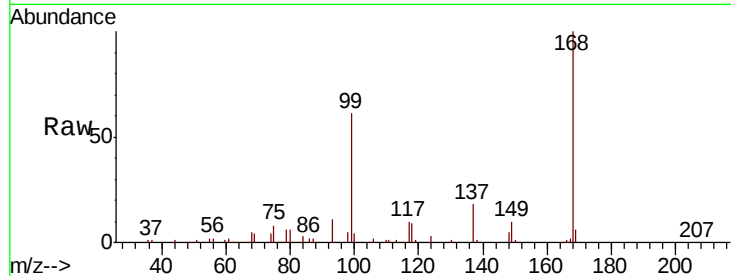




#36
 1,1-Dichloropropene
 Concen: 4.915 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN062915.D
 Acq: 13 Aug 2020 16:52

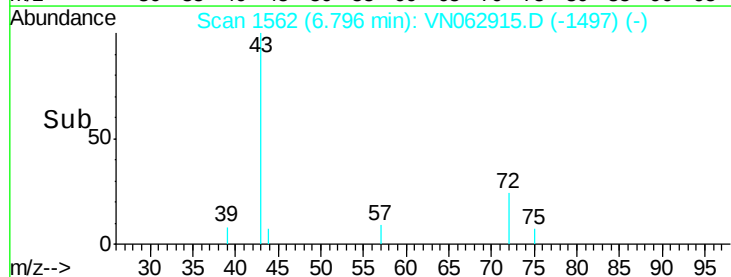
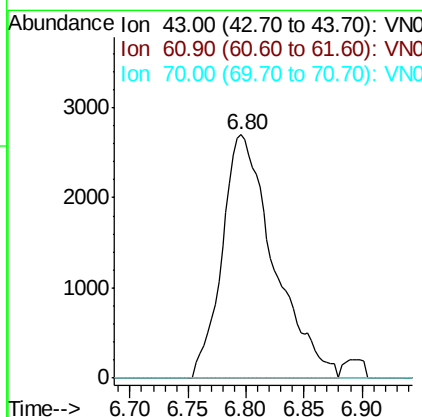
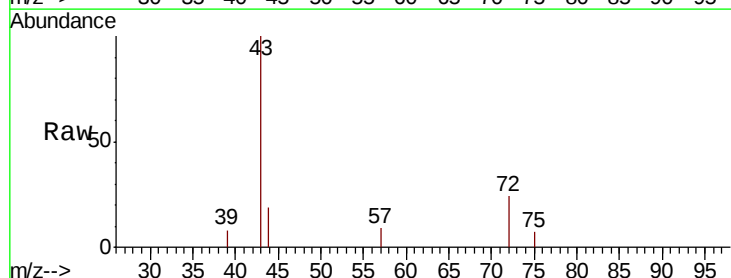
Instrument :
 MSVOA_N
 ClientSampleId :
 S39-ER-2020-1

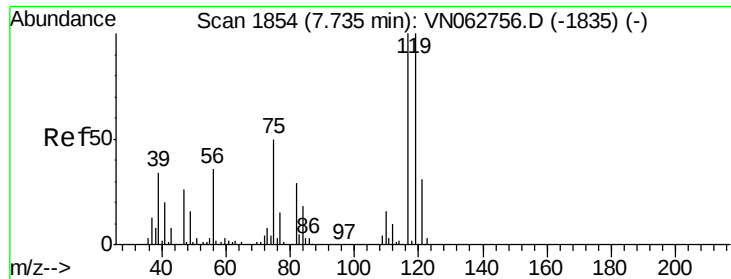
Tot Ion: 75 Resp: 11460
 Ion Ratio Lower Upper
 75 100
 110 6.2 15.6 46.7#
 77 0.0 24.1 36.1#



#37
 Ethyl Acetate
 Concen: 3.431 ug/l
 RT: 6.80 min Scan# 1562
 Delta R.T. -0.09 min
 Lab File: VN062915.D
 Acq: 13 Aug 2020 16:52

Tgt Ion: 43 Resp: 8356
 Ion Ratio Lower Upper
 43 100
 61 0.0 12.1 18.1#
 70 0.0 8.3 12.5#

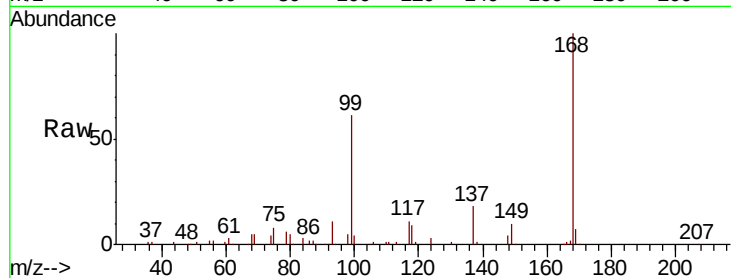




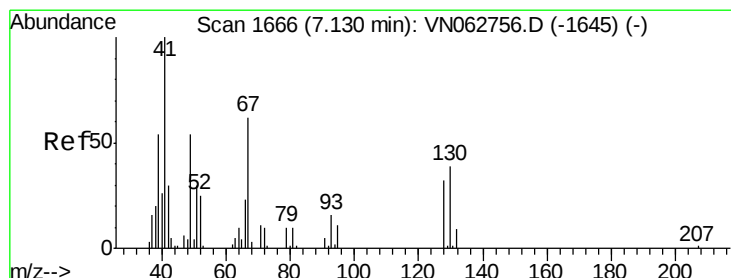
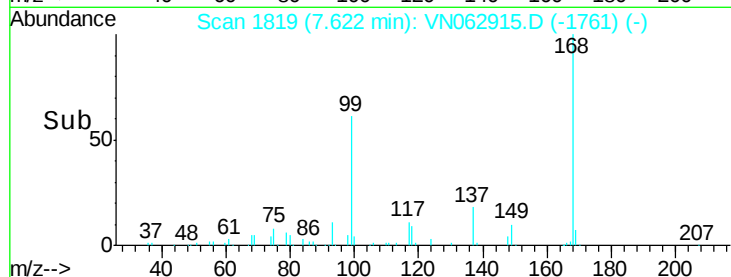
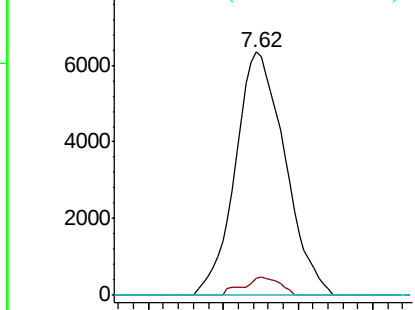
#38
Carbon Tetrachloride
Concen: 5.303 ug/l
RT: 7.62 min Scan# 1819
Delta R.T. -0.11 min
Lab File: VN062915.D
Acq: 13 Aug 2020 16:52

Instrument :
MSVOA_N
ClientSampleId :
S39-ER-2020-1

Tot Ion:117 Resp: 14622
Ion Ratio Lower Upper
117 100
119 6.9 79.4 119.2#
121 0.0 24.9 37.3#

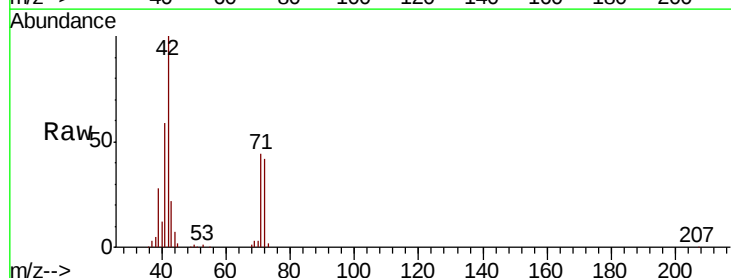


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

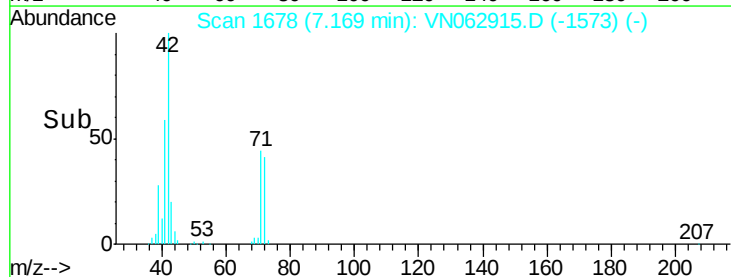
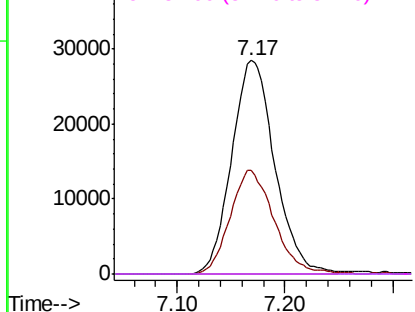


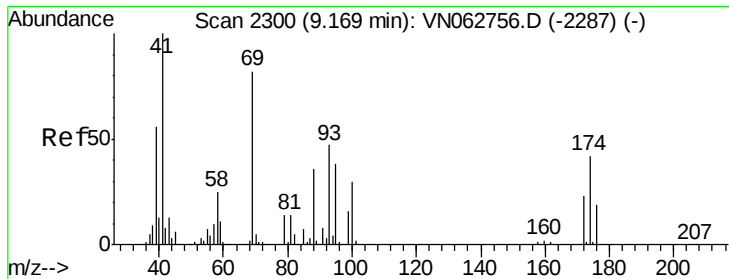
#41
Methacrylonitrile
Concen: 71.917 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.04 min
Lab File: VN062915.D
Acq: 13 Aug 2020 16:52

Tgt Ion: 41 Resp: 79034
Ion Ratio Lower Upper
41 100
39 49.2 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): V
Ion 39.00 (38.70 to 39.70): V
Ion 67.00 (66.70 to 67.70): V
Ion 52.00 (51.70 to 52.70): V

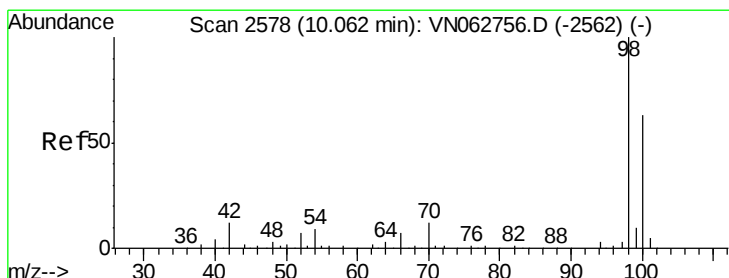
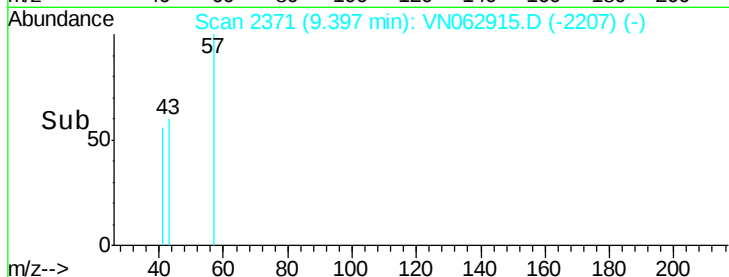
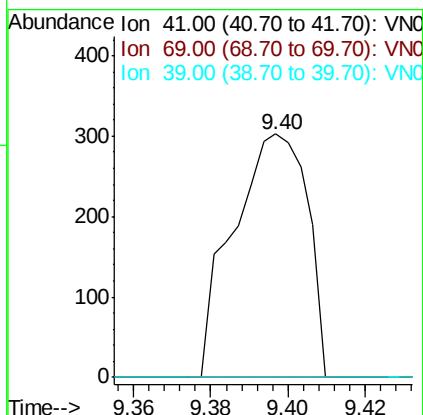
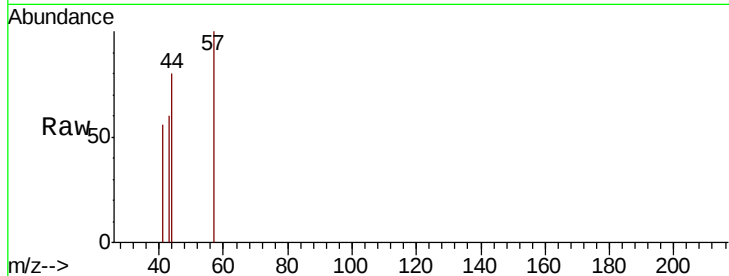




#48
Methvl methacrylate
Concen: 0.202 ug/l
RT: 9.40 min Scan# 2371
Delta R.T. 0.23 min
Lab File: VN062915.D
Acq: 13 Aug 2020 16:52

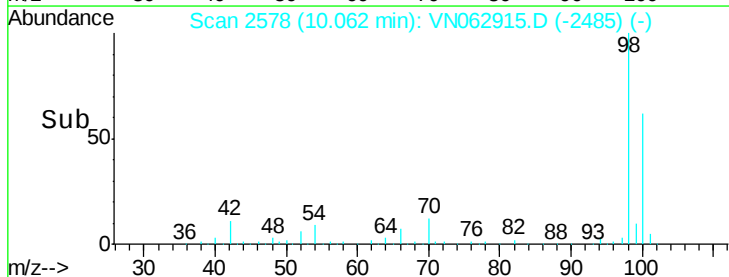
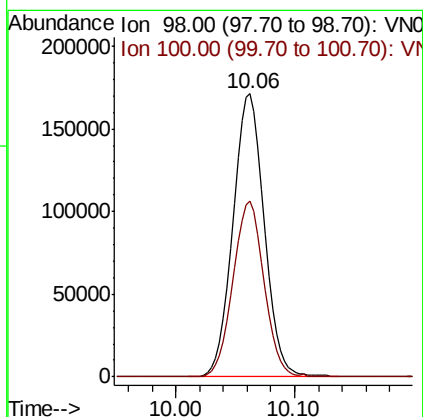
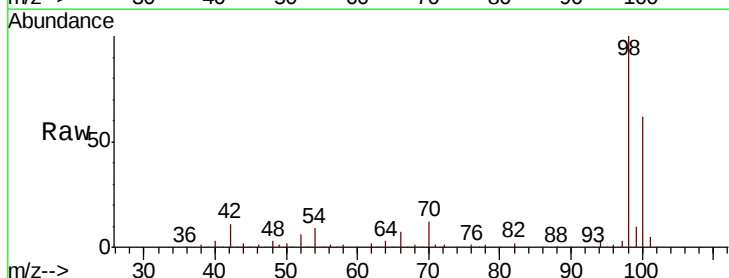
Instrument :
MSVOA_N
ClientSampleId :
S39-ER-2020-1

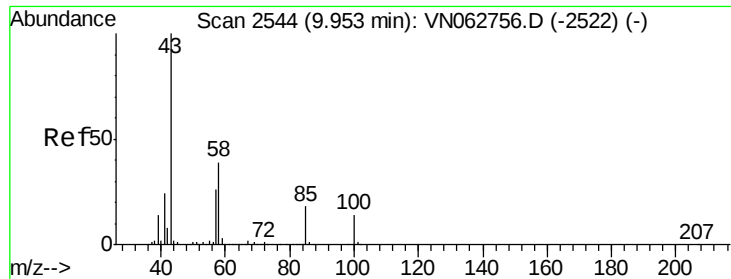
Tot Ion: 41 Resp: 403
Ion Ratio Lower Upper
41 100
69 0.0 67.4 101.2#
39 0.0 47.6 71.4#



#50
Toluene-d8
Concen: 48.812 ug/l
RT: 10.06 min Scan# 2578
Delta R.T. -0.00 min
Lab File: VN062915.D
Acq: 13 Aug 2020 16:52

Tgt Ion: 98 Resp: 312127
Ion Ratio Lower Upper
98 100
100 61.7 50.9 76.3





#51

4-Methyl-2-Pentanone

Concen: 0.578 ug/l

RT: 10.06 min Scan# 2576

Delta R.T. 0.10 min

Lab File: VN062915.D

Acq: 13 Aug 2020 16:52

Instrument :

MSVOA_N

ClientSampleId :

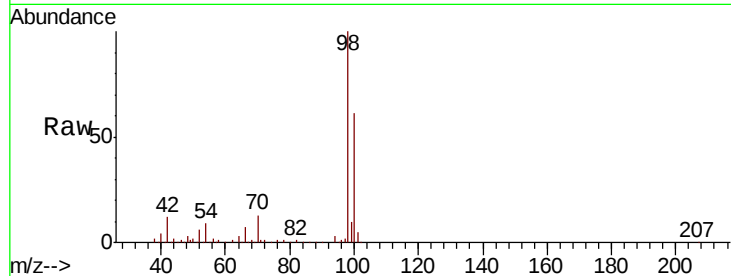
S39-ER-2020-1

Tot Ion: 43 Resp: 1519

Ion Ratio Lower Upper

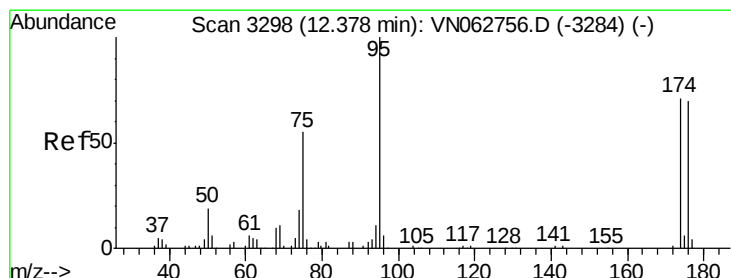
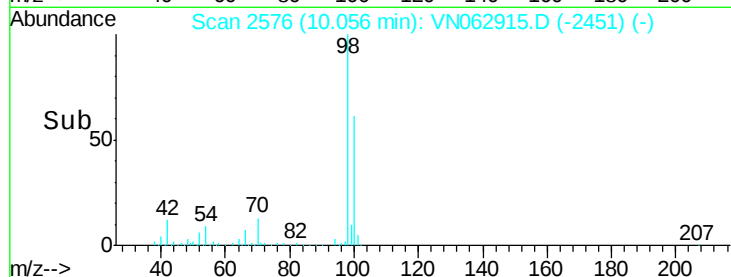
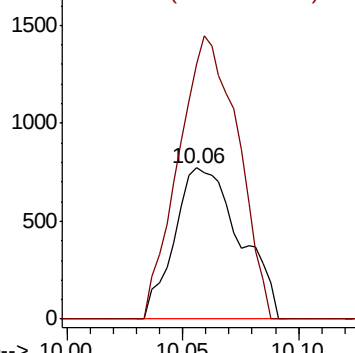
43 100

58 170.0 31.1 46.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#62

4-Bromofluorobenzene

Concen: 47.441 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN062915.D

Acq: 13 Aug 2020 16:52

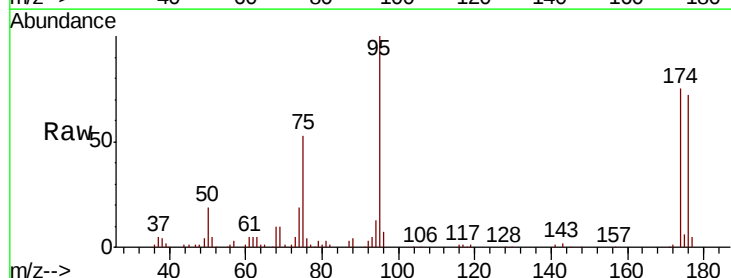
Tgt Ion: 95 Resp: 114639

Ion Ratio Lower Upper

95 100

174 74.0 0.0 144.8

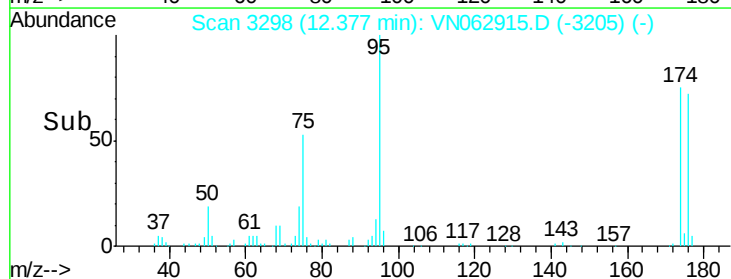
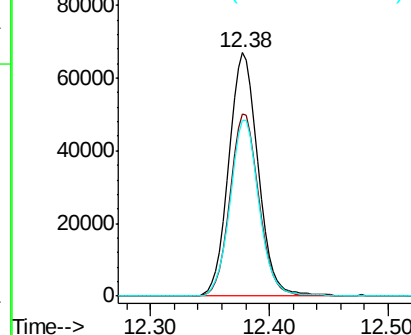
176 71.3 0.0 142.2

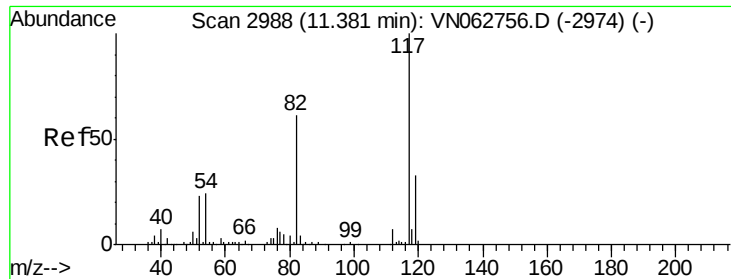


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

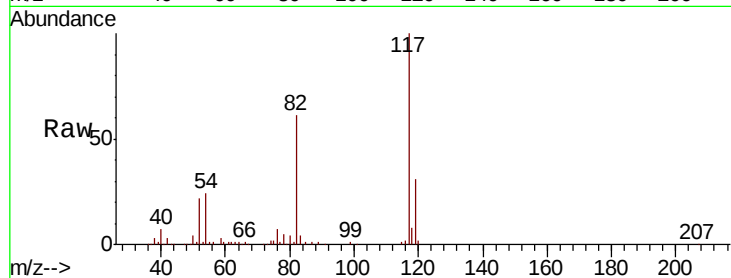




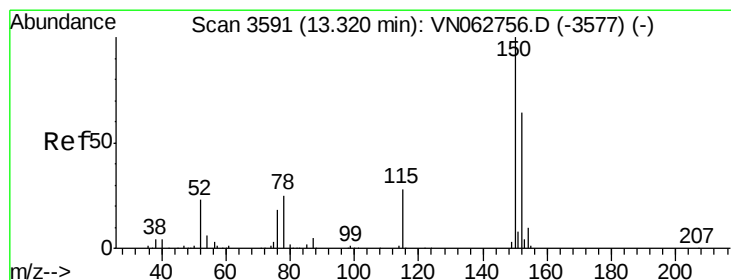
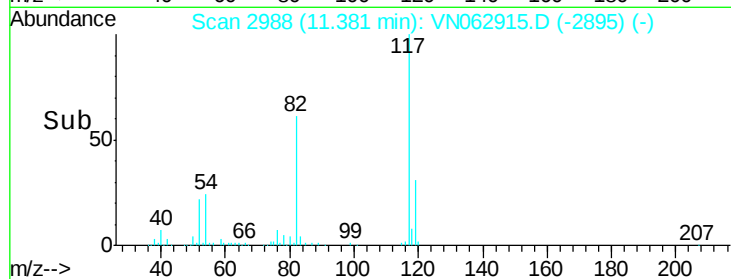
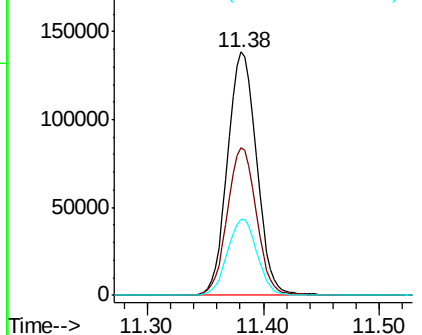
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062915.D
Acq: 13 Aug 2020 16:52

Instrument :
MSVOA_N
ClientSampleId :
S39-ER-2020-1

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.7	49.0	73.4
119	31.4	26.2	39.2

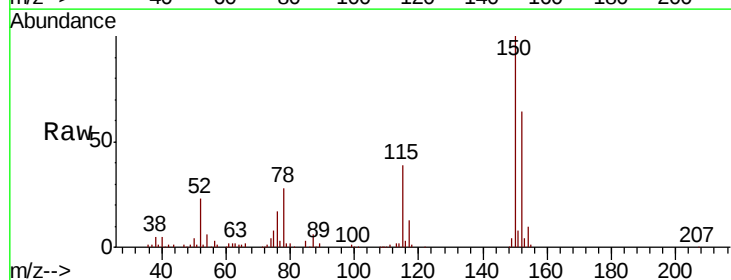


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

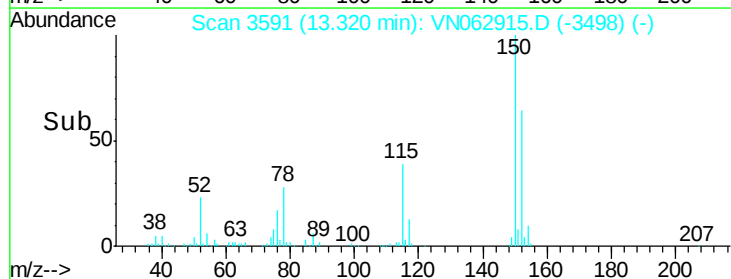
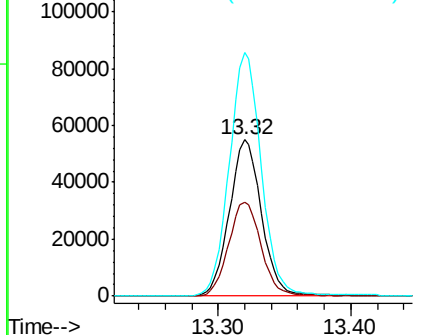


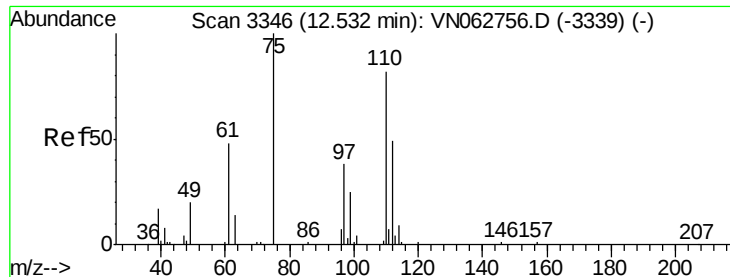
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3591
Delta R.T. -0.00 min
Lab File: VN062915.D
Acq: 13 Aug 2020 16:52

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.1	31.6	94.8
150	155.5	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

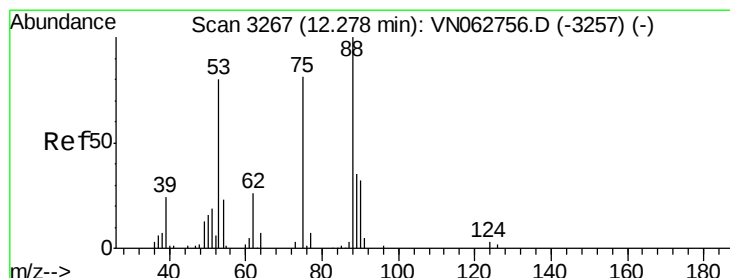
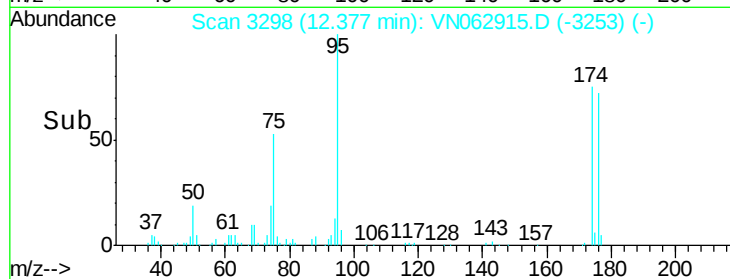
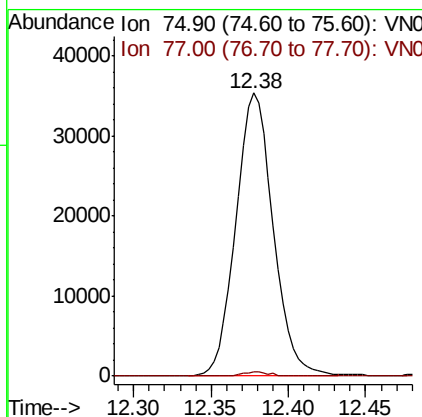
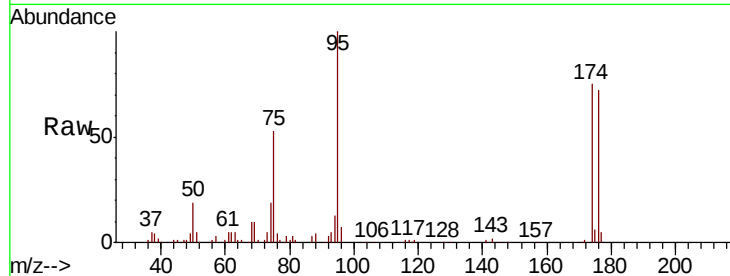




#76
 1,2,3-Trichloropropane
 Concen: 23.711 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.15 min
 Lab File: VN062915.D
 Acq: 13 Aug 2020 16:52

Instrument :
 MSVOA_N
 ClientSampleId :
 S39-ER-2020-1

Tot Ion: 75 Resp: 59280
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.383 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.10 min
 Lab File: VN062915.D
 Acq: 13 Aug 2020 16:52

Tgt Ion: 75 Resp: 59280
 Ion Ratio Lower Upper
 75 100
 53 0.0 79.1 118.7#
 89 0.0 36.2 54.2#

