

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061920\
 Data File : VN061954.D
 Acq On : 19 Jun 2020 16:02
 Operator : JC/MD
 Sample : L2984-09
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 S49-ER-2020-1

Quant Time: Jun 20 07:34:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 17 01:19:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	147096	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	267983	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	256855	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	95640	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	99252	50.31	ug/l	0.00
Spiked Amount			Recovery	=	100.62%	
35) Dibromofluoromethane	7.55	113	86998	50.75	ug/l	0.00
Spiked Amount			Recovery	=	101.50%	
50) Toluene-d8	10.06	98	336910	49.99	ug/l	0.00
Spiked Amount			Recovery	=	99.98%	
62) 4-Bromofluorobenzene	12.38	95	107464	46.48	ug/l	0.00
Spiked Amount			Recovery	=	92.96%	

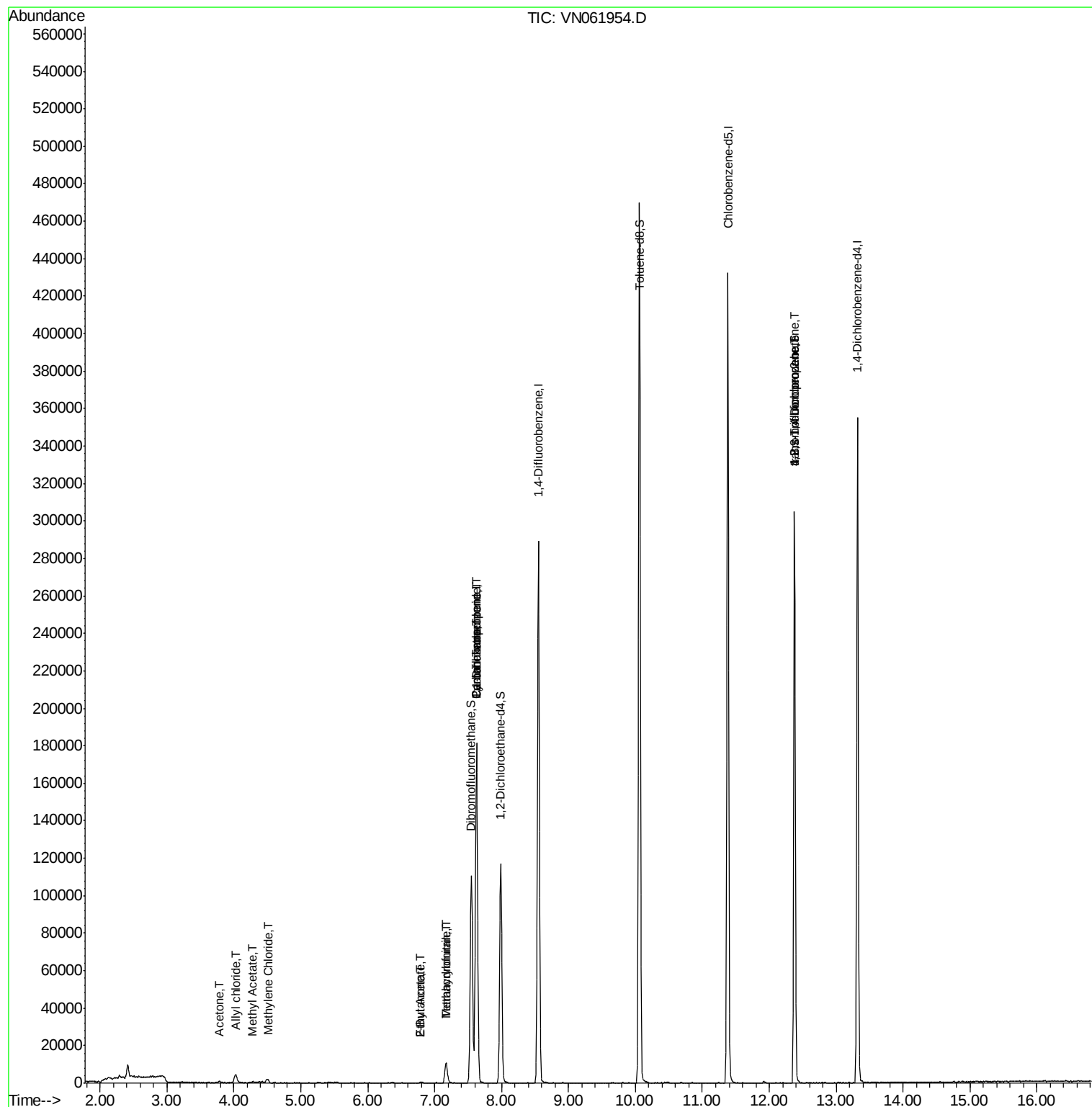
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
14) Allyl chloride	4.02	41	597	0.301	ug/l #	13
16) Acetone	3.78	43	1723	2.957	ug/l #	40
18) Methyl Acetate	4.28	43	669	0.399	ug/l #	46
20) Methylene Chloride	4.50	84	984	0.518	ug/l	88
25) 2-Butanone	6.79	43	423	0.498	ug/l #	44
29) Tetrahydrofuran	7.17	42	8321	14.872	ug/l	98
31) Cyclohexane	7.63	56	3101	1.193	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	11366	4.650	ug/l #	48
37) Ethyl Acetate	6.79	43	423	0.222	ug/l #	65
38) Carbon Tetrachloride	7.63	117	14526	6.001	ug/l #	17
41) Methacrylonitrile	7.17	41	4972	6.092	ug/l #	100
76) 1,2,3-Trichloropropane	12.38	75	54742	29.155	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	54742	79.517	ug/l #	14

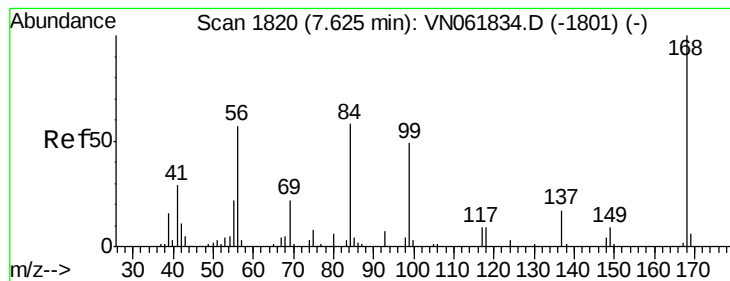
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN061954.D

Acq: 19 Jun 2020 16:02

Instrument :

MSVOA_N

ClientSampleId :

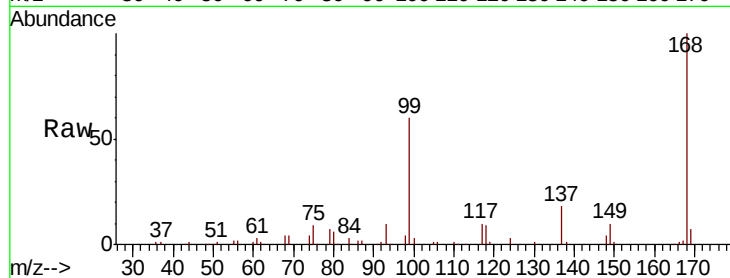
S49-ER-2020-1

Tot Ion:168 Resp: 147096

Ion Ratio Lower Upper

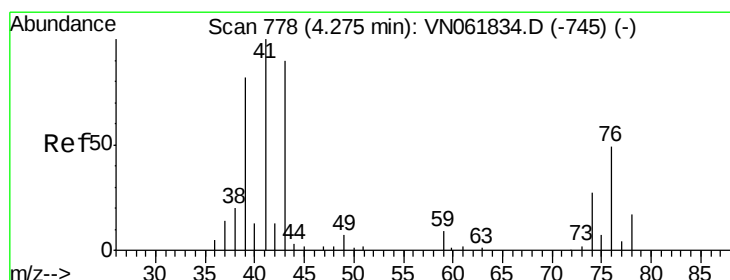
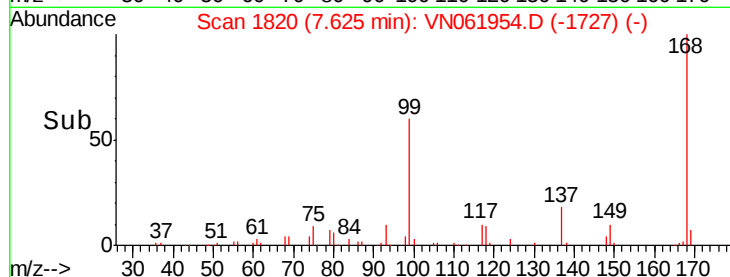
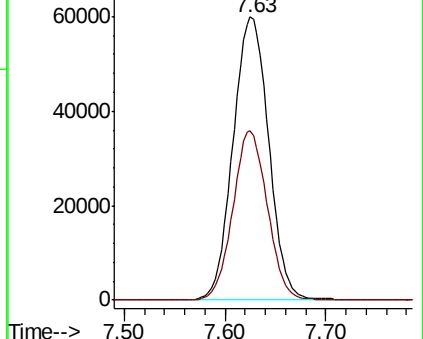
168 100

99 59.9 44.6 67.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#14

Allyl chloride

Concen: 0.301 ug/l

RT: 4.02 min Scan# 699

Delta R.T. -0.25 min

Lab File: VN061954.D

Acq: 19 Jun 2020 16:02

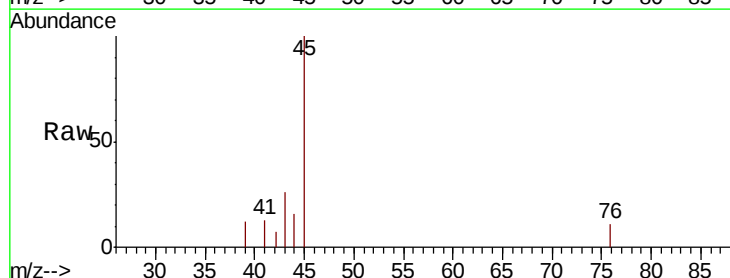
Tgt Ion: 41 Resp: 597

Ion Ratio Lower Upper

41 100

39 128.6 60.2 90.2#

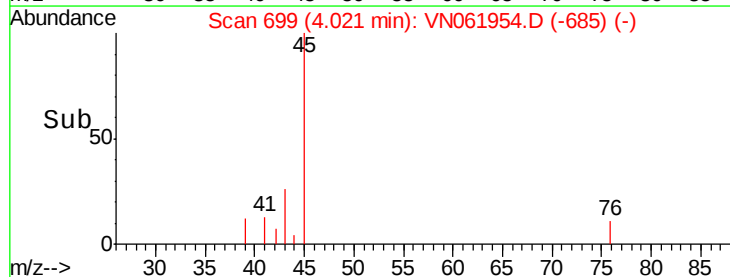
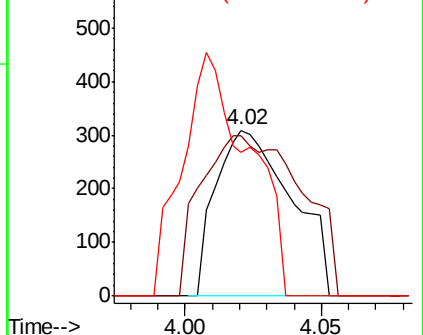
76 128.3 36.3 54.5#

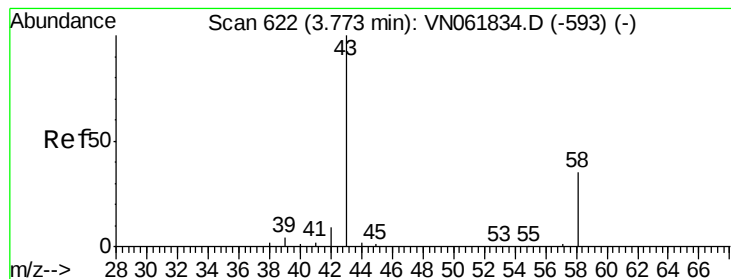


Abundance Ion 41.00 (40.70 to 41.70): VN

Ion 39.00 (38.70 to 39.70): VN

Ion 75.90 (75.60 to 76.60): VN





#16

Acetone

Concen: 2.957 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.01 min

Lab File: VN061954.D

Acq: 19 Jun 2020 16:02

Instrument :

MSVOA_N

ClientSampleId :

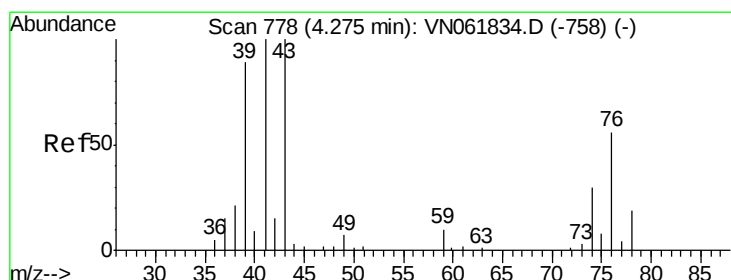
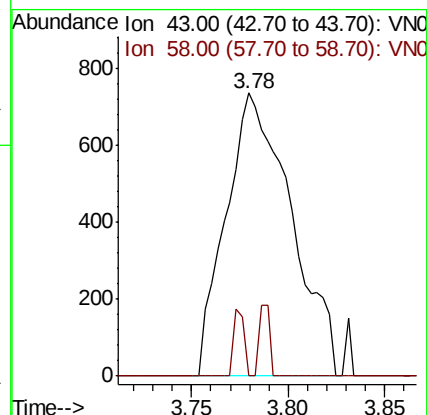
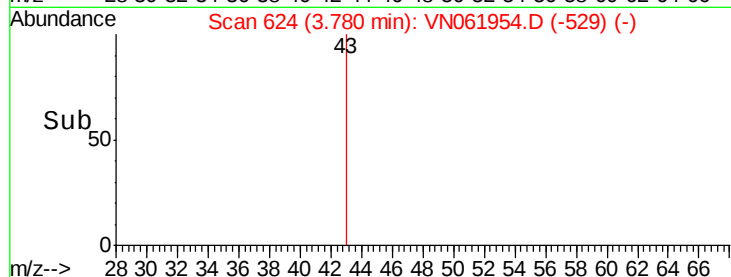
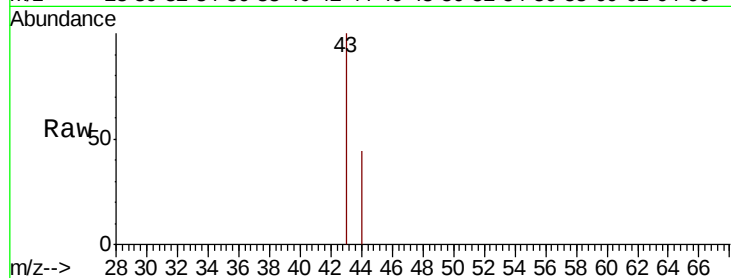
S49-ER-2020-1

Tot Ion: 43 Resp: 1723

Ion Ratio Lower Upper

43 100

58 0.0 27.8 41.8#



#18

Methyl Acetate

Concen: 0.399 ug/l

RT: 4.28 min Scan# 781

Delta R.T. 0.01 min

Lab File: VN061954.D

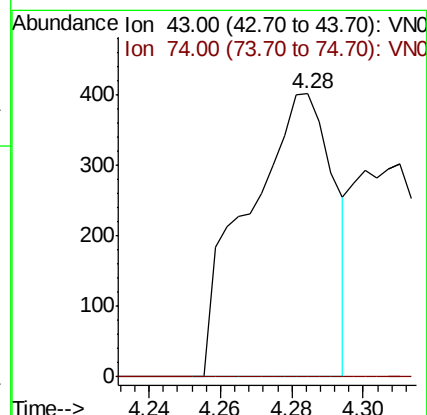
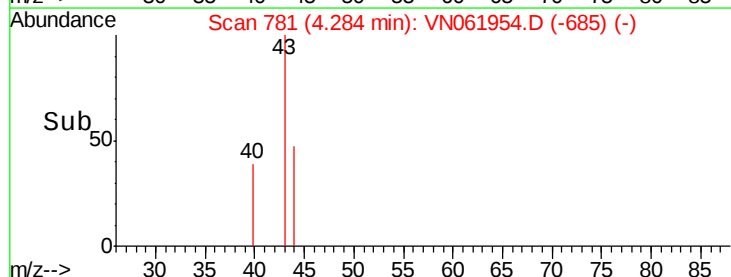
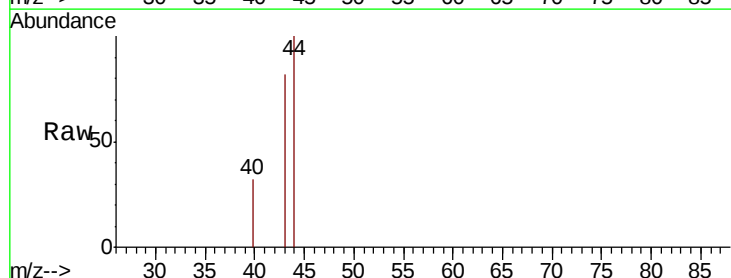
Acq: 19 Jun 2020 16:02

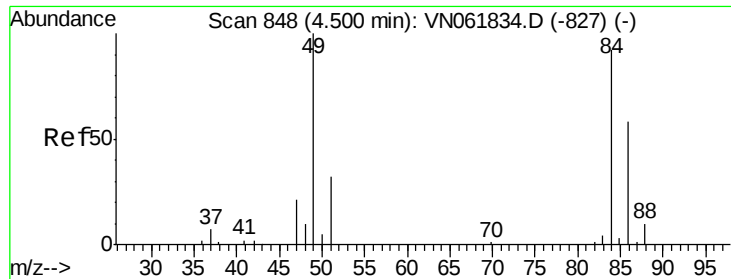
Tgt Ion: 43 Resp: 669

Ion Ratio Lower Upper

43 100

74 0.0 23.0 34.4#

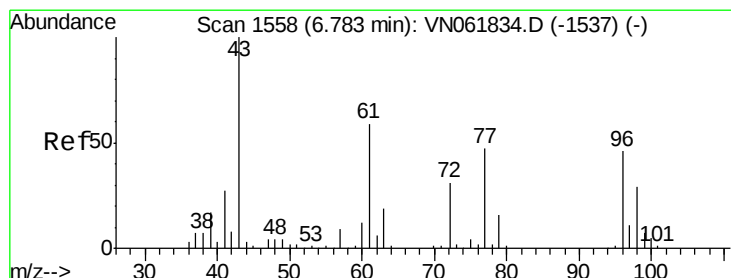
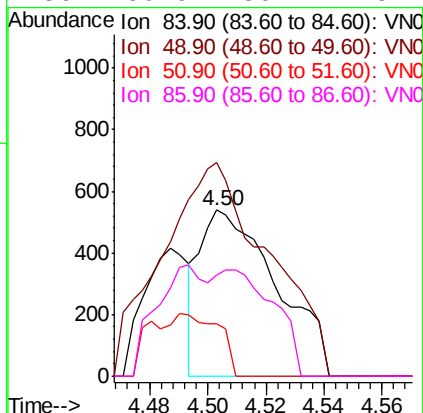
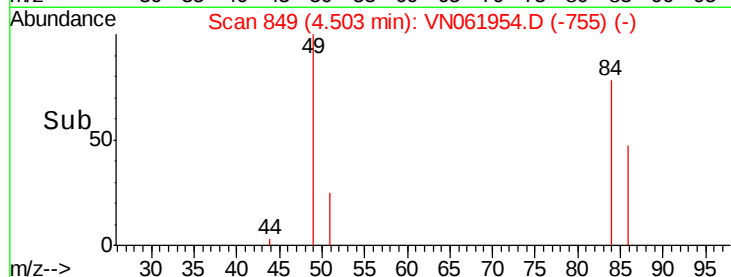
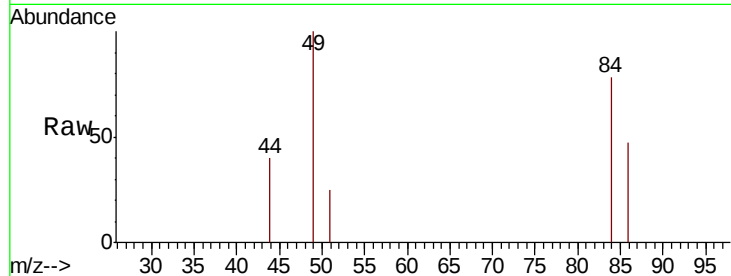




#20
Methvlene Chloride
Concen: 0.518 ug/l
RT: 4.50 min Scan# 849
Delta R.T. 0.00 min
Lab File: VN061954.D
Acq: 19 Jun 2020 16:02

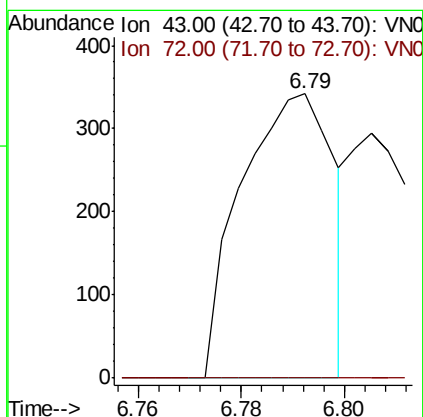
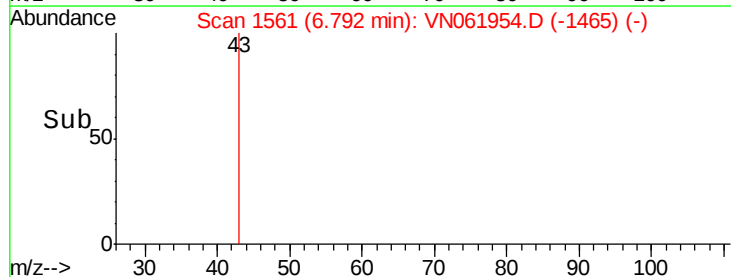
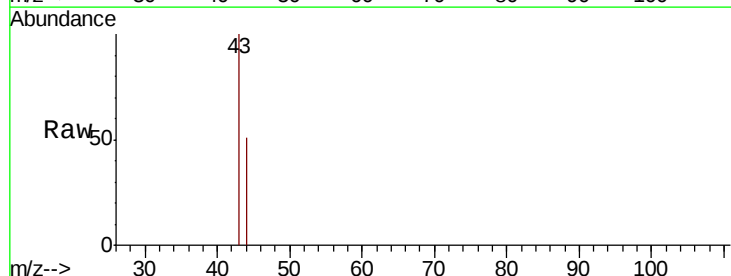
Instrument :
MSVOA_N
ClientSampled :
S49-ER-2020-1

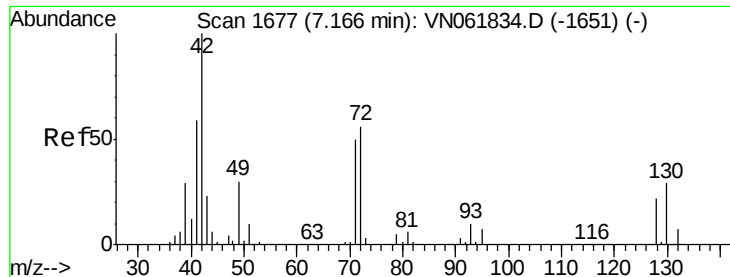
Tot Ion: 84 Resp: 984
Ion Ratio Lower Upper
84 100
49 128.6 87.0 130.4
51 31.9 27.8 41.6
86 60.9 50.2 75.2



#25
2-Butanone
Concen: 0.498 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. 0.01 min
Lab File: VN061954.D
Acq: 19 Jun 2020 16:02

Tgt Ion: 43 Resp: 423
Ion Ratio Lower Upper
43 100
72 0.0 24.6 37.0#

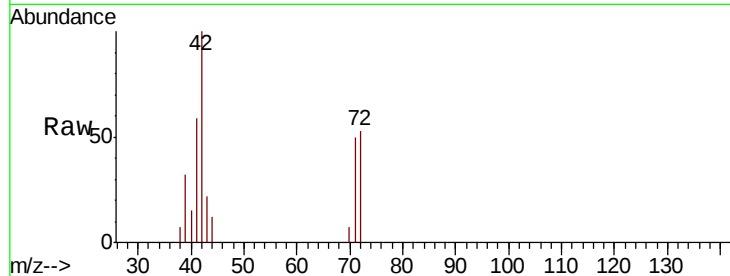




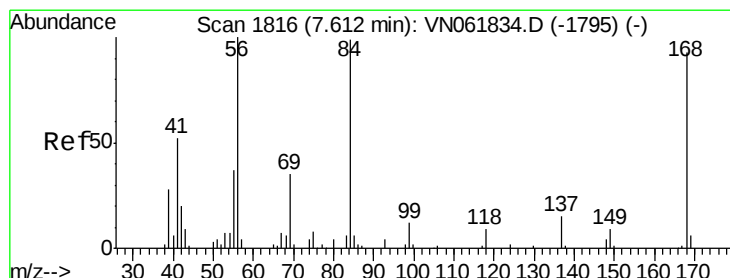
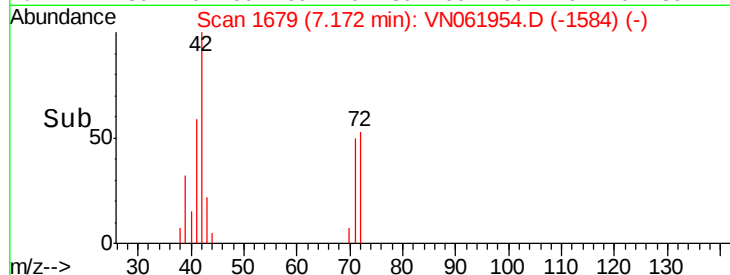
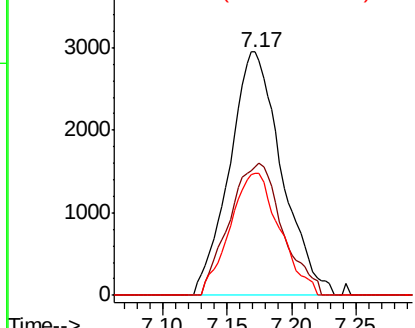
#29
Tetrahydrofuran
Concen: 14.872 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.01 min
Lab File: VN061954.D
Acq: 19 Jun 2020 16:02

Instrument :
MSVOA_N
ClientSampleId :
S49-ER-2020-1

Tot Ion: 42 Resp: 8321
Ion Ratio Lower Upper
42 100
72 55.0 44.0 66.0
71 47.6 40.0 60.0

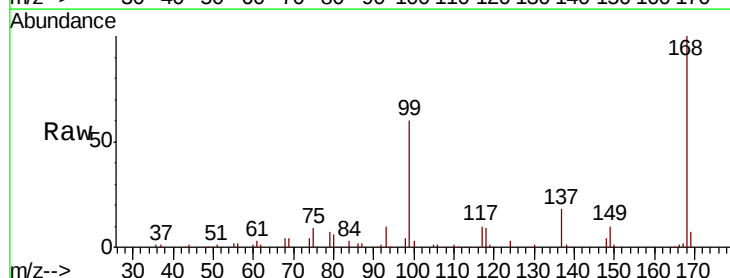


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

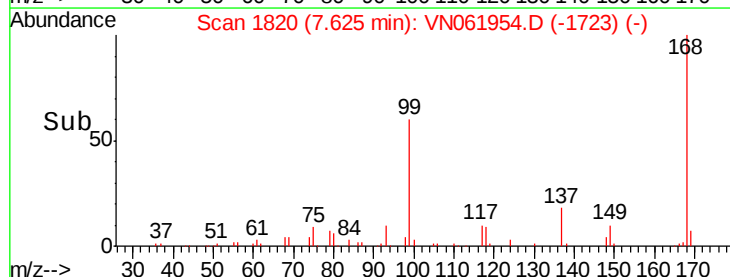
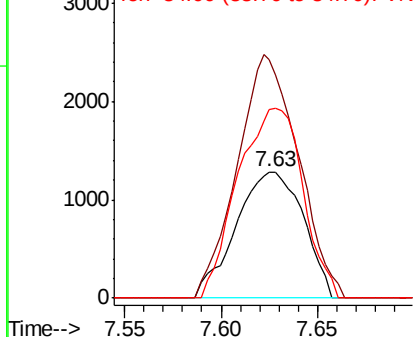


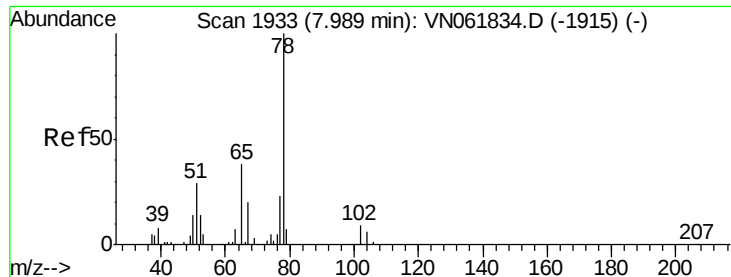
#31
Cyclohexane
Concen: 1.193 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. 0.01 min
Lab File: VN061954.D
Acq: 19 Jun 2020 16:02

Tgt Ion: 56 Resp: 3101
Ion Ratio Lower Upper
56 100
69 188.9 27.7 41.5#
84 148.9 79.1 118.7#



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

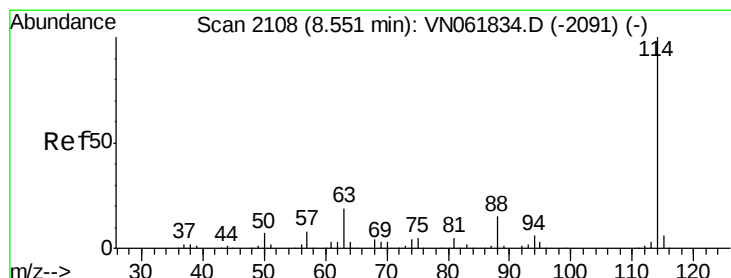
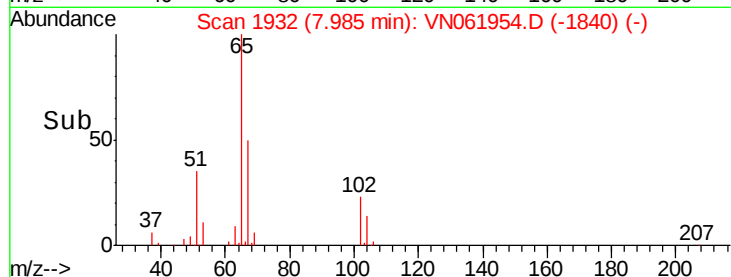
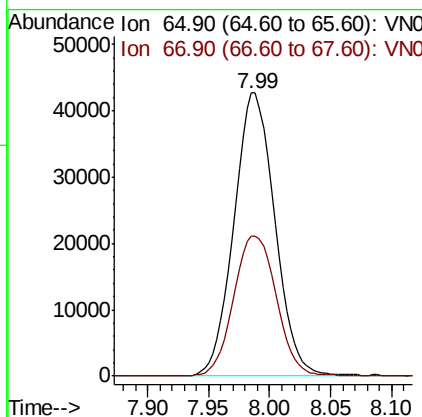
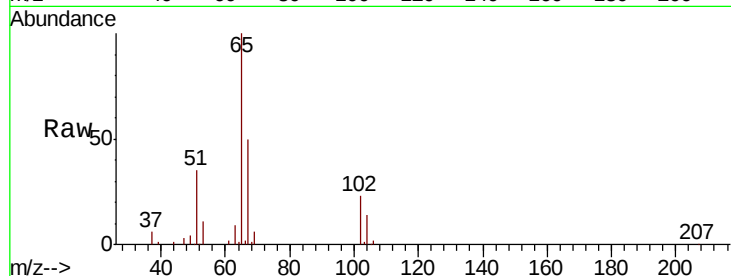




#33
 1,2-Dichloroethane-d4
 Concen: 50.311 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN061954.D
 Acq: 19 Jun 2020 16:02

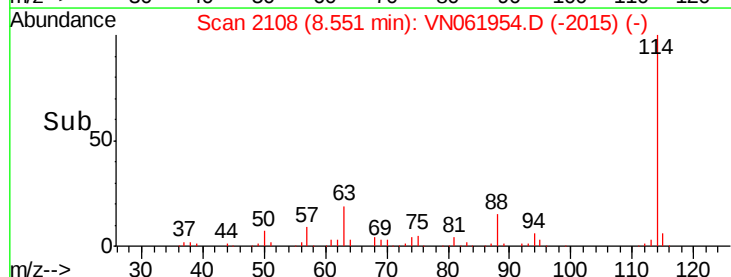
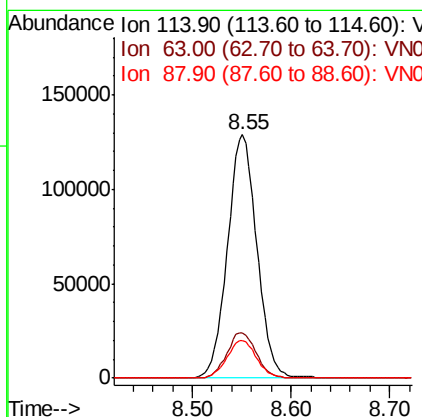
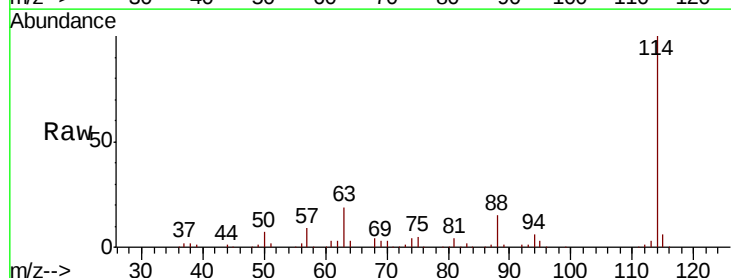
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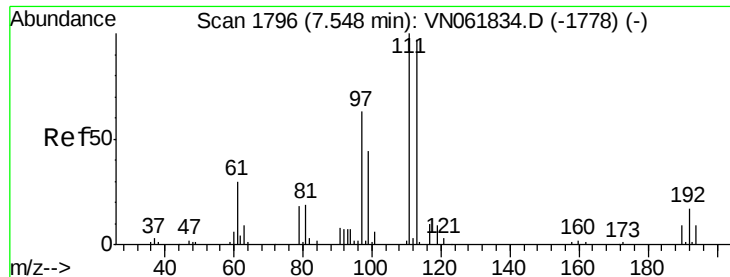
Tot Ion: 65 Resp: 99252
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN061954.D
 Acq: 19 Jun 2020 16:02

Tgt Ion: 114 Resp: 267983
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 37.6
 88 15.4 0.0 31.0

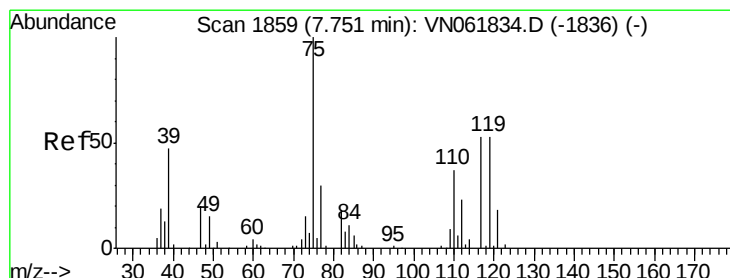
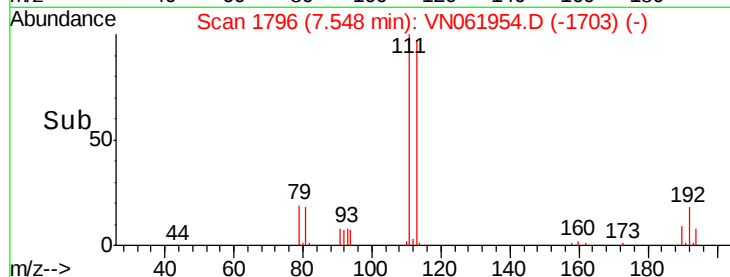
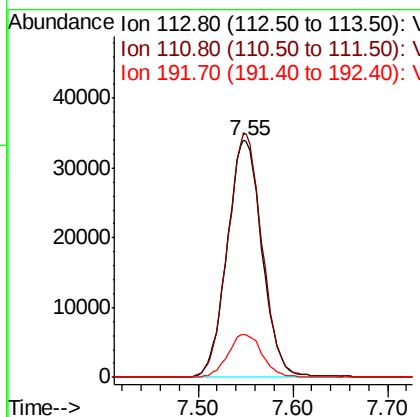
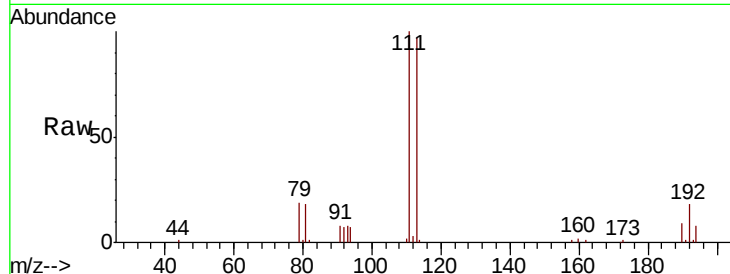




#35
 Dibromofluoromethane
 Concen: 50.745 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN061954.D
 Acq: 19 Jun 2020 16:02

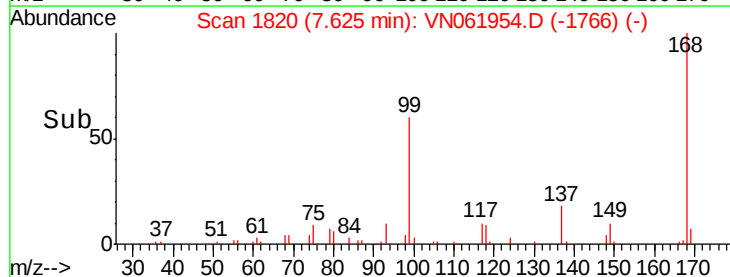
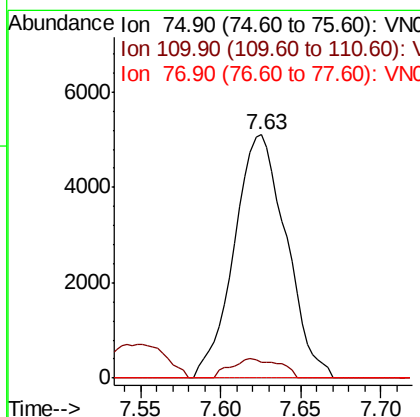
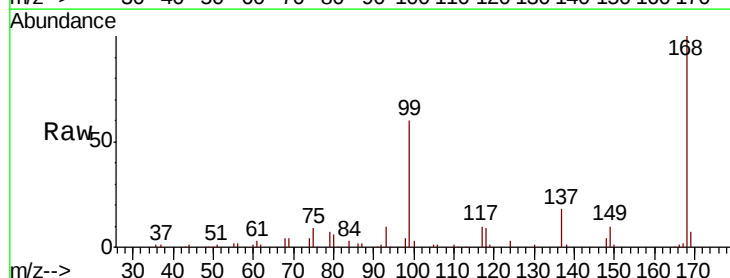
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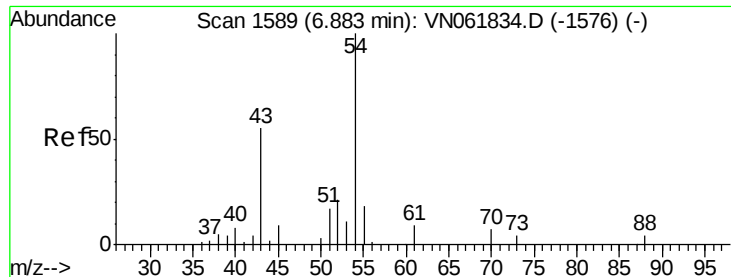
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.3	83.7	125.5
192	17.7	13.9	20.9



#36
 1,1-Dichloropropene
 Concen: 4.650 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN061954.D
 Acq: 19 Jun 2020 16:02

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.4	18.2	54.6#
77	0.0	24.2	36.4#





#37

Ethyl Acetate

Concen: 0.222 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.09 min

Lab File: VN061954.D

Acq: 19 Jun 2020 16:02

Instrument :

MSVOA_N

ClientSampleId :

S49-ER-2020-1

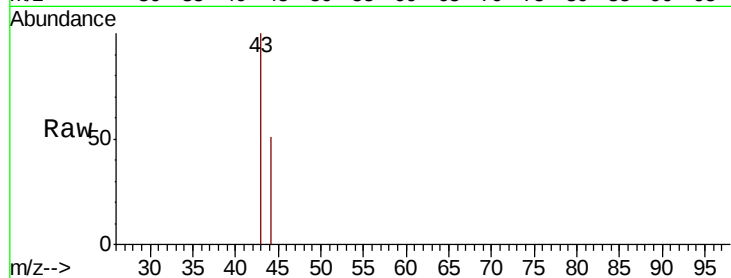
Tot Ion: 43 Resp: 423

Ion Ratio Lower Upper

43 100

61 0.0 13.0 19.4#

70 0.0 9.4 14.2#



Abundance Ion 43.00 (42.70 to 43.70): VN061834.D (-1576) (-)

Ion 60.90 (60.60 to 61.60): VN061834.D (-1576) (-)

Ion 70.00 (69.70 to 70.70): VN061834.D (-1576) (-)

6.79

400

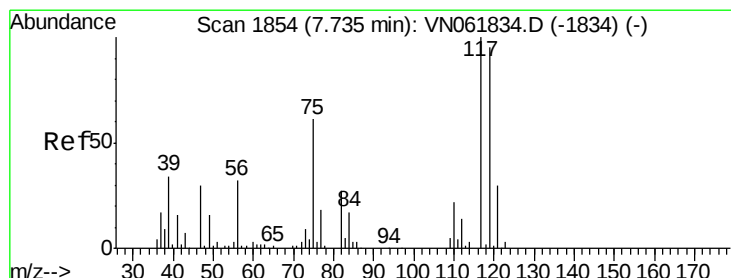
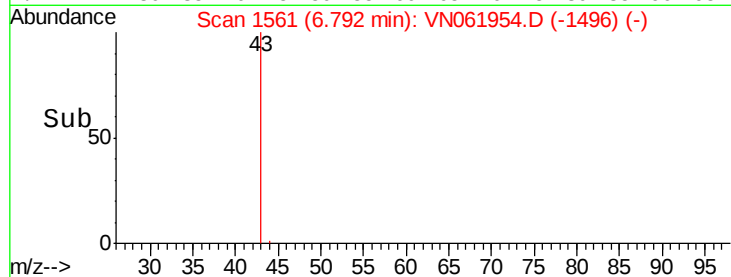
300

200

100

0

Time-->



#38

Carbon Tetrachloride

Concen: 6.001 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.11 min

Lab File: VN061954.D

Acq: 19 Jun 2020 16:02

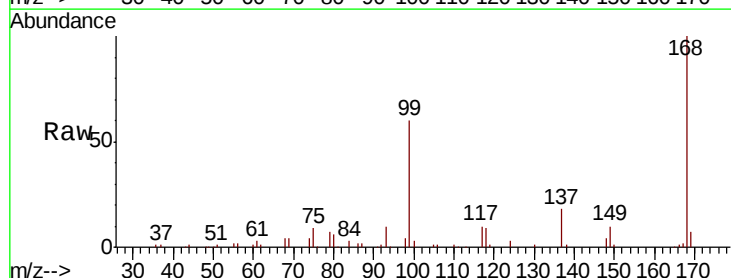
Tgt Ion: 117 Resp: 14526

Ion Ratio Lower Upper

117 100

119 5.4 75.8 113.6#

121 0.0 23.8 35.6#



Abundance Ion 116.80 (116.50 to 117.50): VN061834.D (-1834) (-)

Ion 118.80 (118.50 to 119.50): VN061834.D (-1834) (-)

Ion 120.80 (120.50 to 121.50): VN061834.D (-1834) (-)

7.63

8000

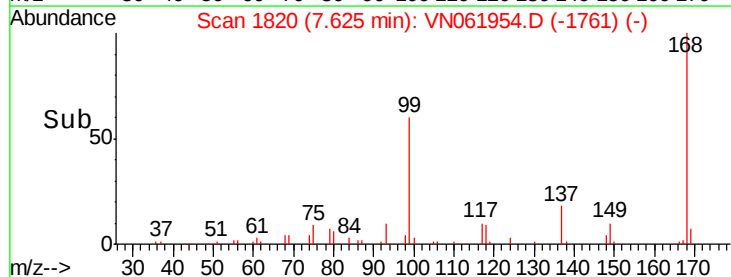
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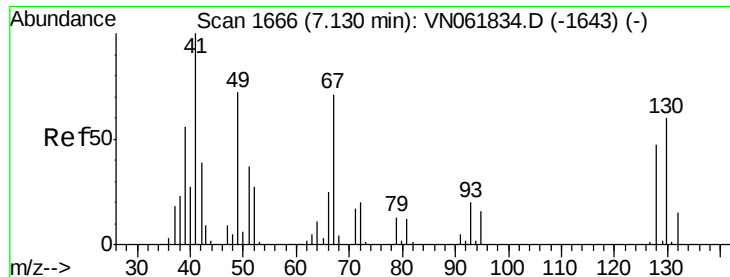
4000

2000

0

Time-->

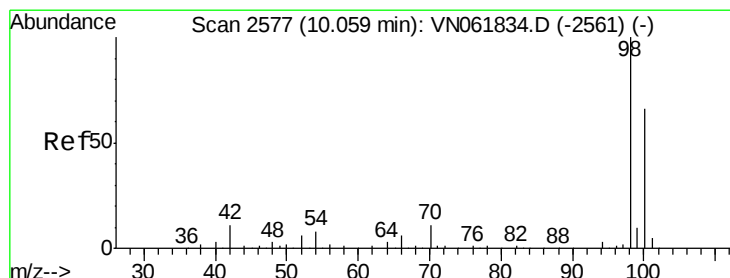
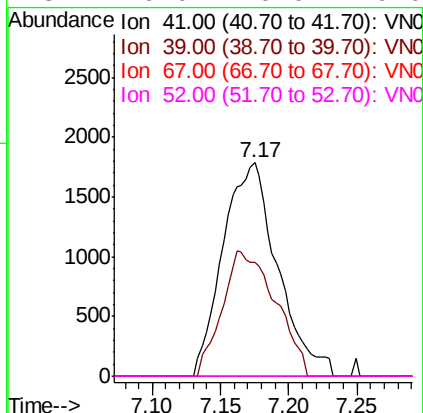
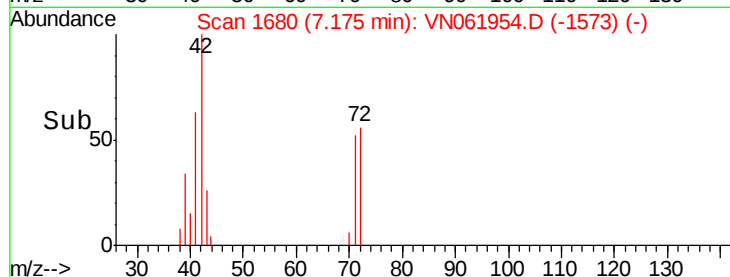
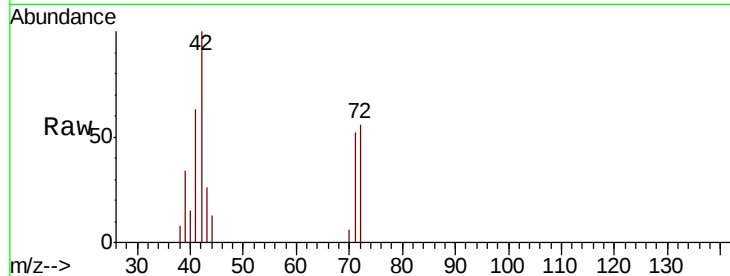




#41
Methacrylonitrile
Concen: 6.092 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. 0.04 min
Lab File: VN061954.D
Acq: 19 Jun 2020 16:02

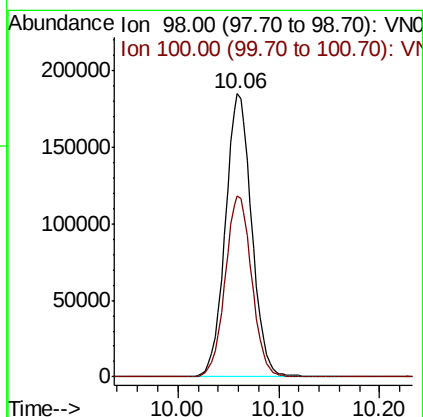
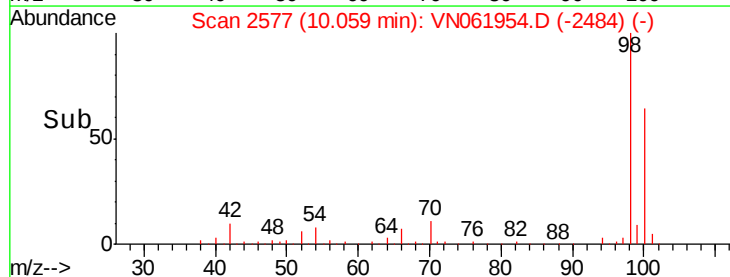
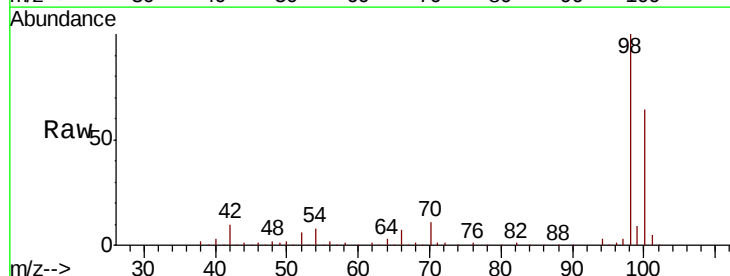
Instrument :
MSVOA_N
ClientSampled :
S49-ER-2020-1

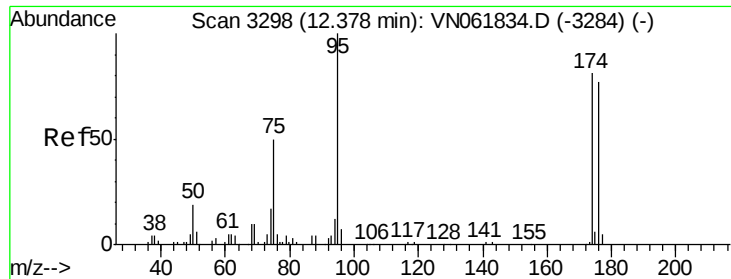
Tot Ion: 41 Resp: 4972
Ion Ratio Lower Upper
41 100
39 57.2 0.0 0.0#
67 0.0 0.0 0.0
52 0.0 0.0 0.0



#50
Toluene-d8
Concen: 49.986 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN061954.D
Acq: 19 Jun 2020 16:02

Tgt Ion: 98 Resp: 336910
Ion Ratio Lower Upper
98 100
100 64.6 52.7 79.1





#62

4-Bromofluorobenzene

Concen: 46.482 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN061954.D

Acq: 19 Jun 2020 16:02

Instrument :

MSVOA_N

ClientSampleId :

S49-ER-2020-1

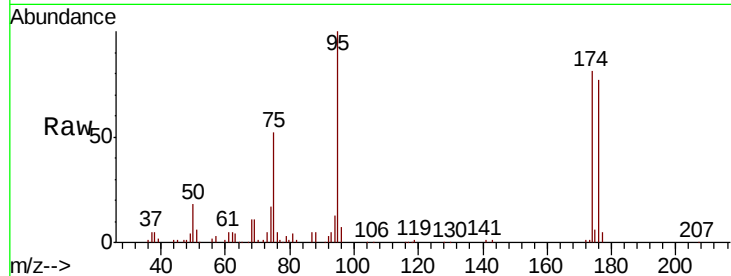
Tot Ion: 95 Resp: 107464

Ion Ratio Lower Upper

95 100

174 79.4 0.0 158.6

176 75.7 0.0 152.0



Abundance Ion 94.90 (94.60 to 95.60): VN061834.D (-3284) (-)

Ion 173.80 (173.50 to 174.50): VN061834.D (-3284) (-)

Ion 175.80 (175.50 to 176.50): VN061834.D (-3284) (-)

12.38

60000

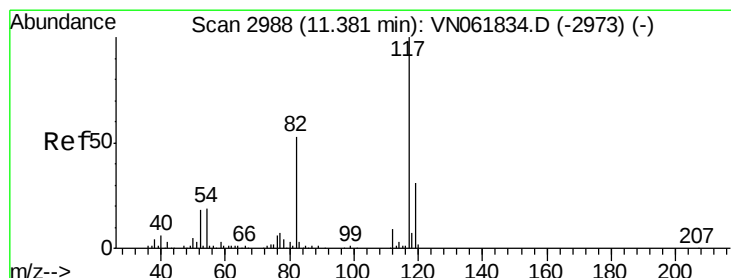
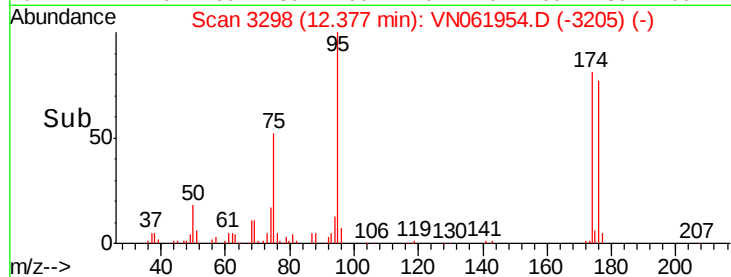
40000

20000

0

12.30 12.40 12.50

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. -0.00 min

Lab File: VN061954.D

Acq: 19 Jun 2020 16:02

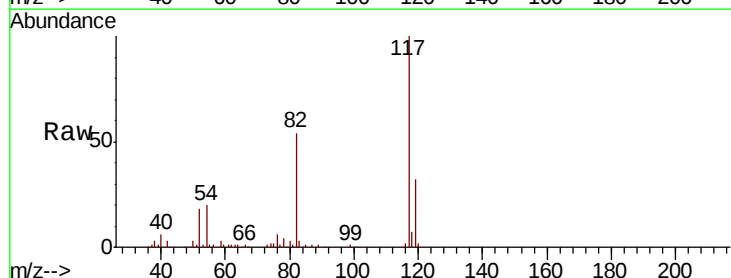
Tgt Ion: 117 Resp: 256855

Ion Ratio Lower Upper

117 100

82 53.8 42.6 64.0

119 31.6 24.7 37.1



Abundance Ion 116.90 (116.60 to 117.60): VN061834.D (-2973) (-)

Ion 82.00 (81.70 to 82.70): VN061834.D (-2973) (-)

Ion 118.90 (118.60 to 119.60): VN061834.D (-2973) (-)

11.38

200000

150000

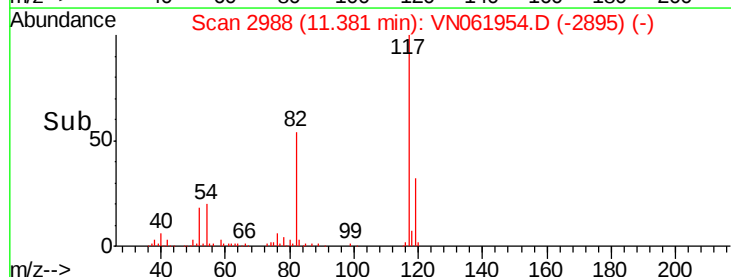
100000

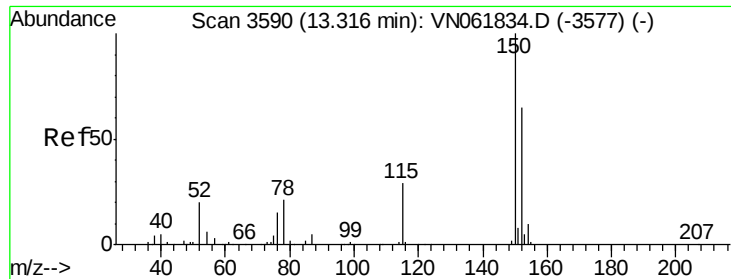
50000

0

11.30 11.40 11.50

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN061954.D

Acq: 19 Jun 2020 16:02

Instrument :

MSVOA_N

ClientSampleId :

S49-ER-2020-1

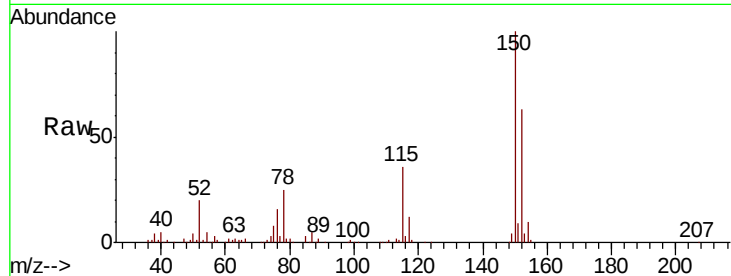
Tot Ion:152 Resp: 95640

Ion Ratio Lower Upper

152 100

115 57.9 29.1 87.3

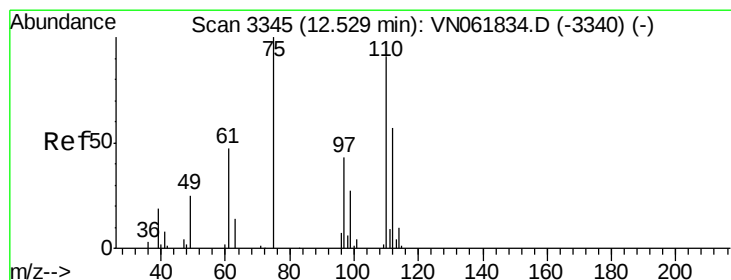
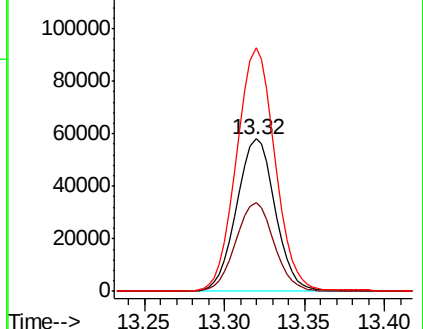
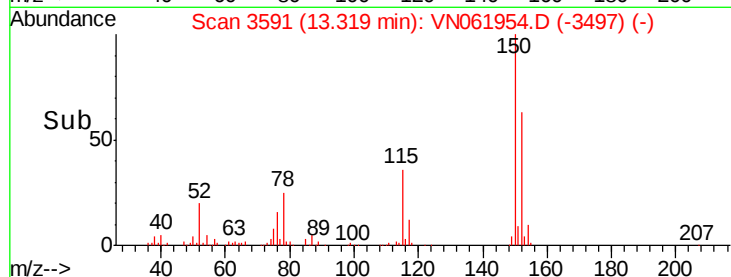
150 159.6 0.0 347.6



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: 29.155 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN061954.D

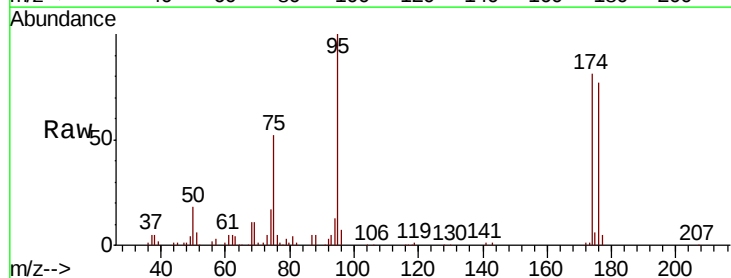
Acq: 19 Jun 2020 16:02

Tgt Ion: 75 Resp: 54742

Ion Ratio Lower Upper

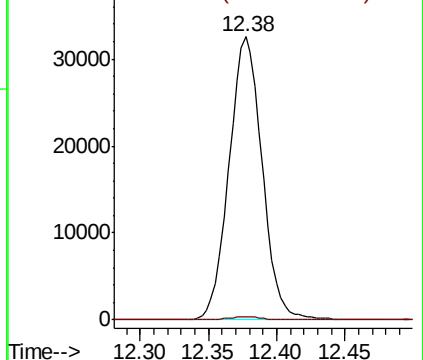
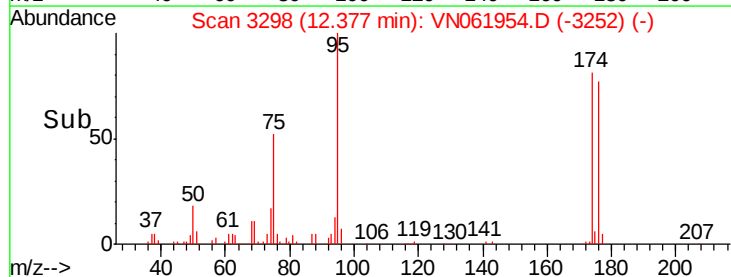
75 100

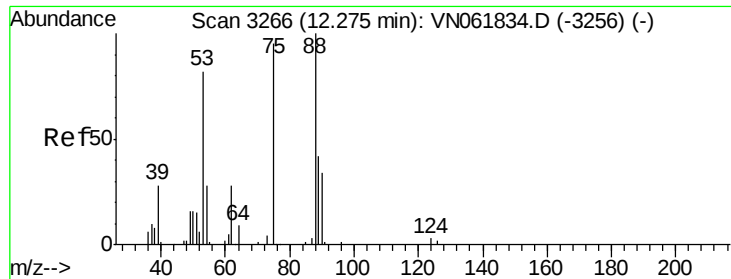
77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81
 trans-1,4-Dichloro-2-butene
 Concen: 79.517 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.10 min
 Lab File: VN061954.D
 Acq: 19 Jun 2020 16:02

Instrument :
 MSVOA_N
 ClientSampleId :
 S49-ER-2020-1

Tot Ion: 75 Resp: 54742
 Ion Ratio Lower Upper
 75 100
 53 0.0 70.4 105.6#
 89 0.0 36.0 54.0#

