

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061920\
 Data File : VN061955.D
 Acq On : 19 Jun 2020 16:26
 Operator : JC/MD
 Sample : L2984-05DL 10X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 S49-0565

Quant Time: Jun 20 07:35:04 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	147887	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	260062	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	247590	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	96894	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	95911	48.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.72%	
35) Dibromofluoromethane	7.55	113	85125	51.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.32%	
50) Toluene-d8	10.06	98	324952	49.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.36%	
62) 4-Bromofluorobenzene	12.38	95	106219	47.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.68%	

Target Compounds

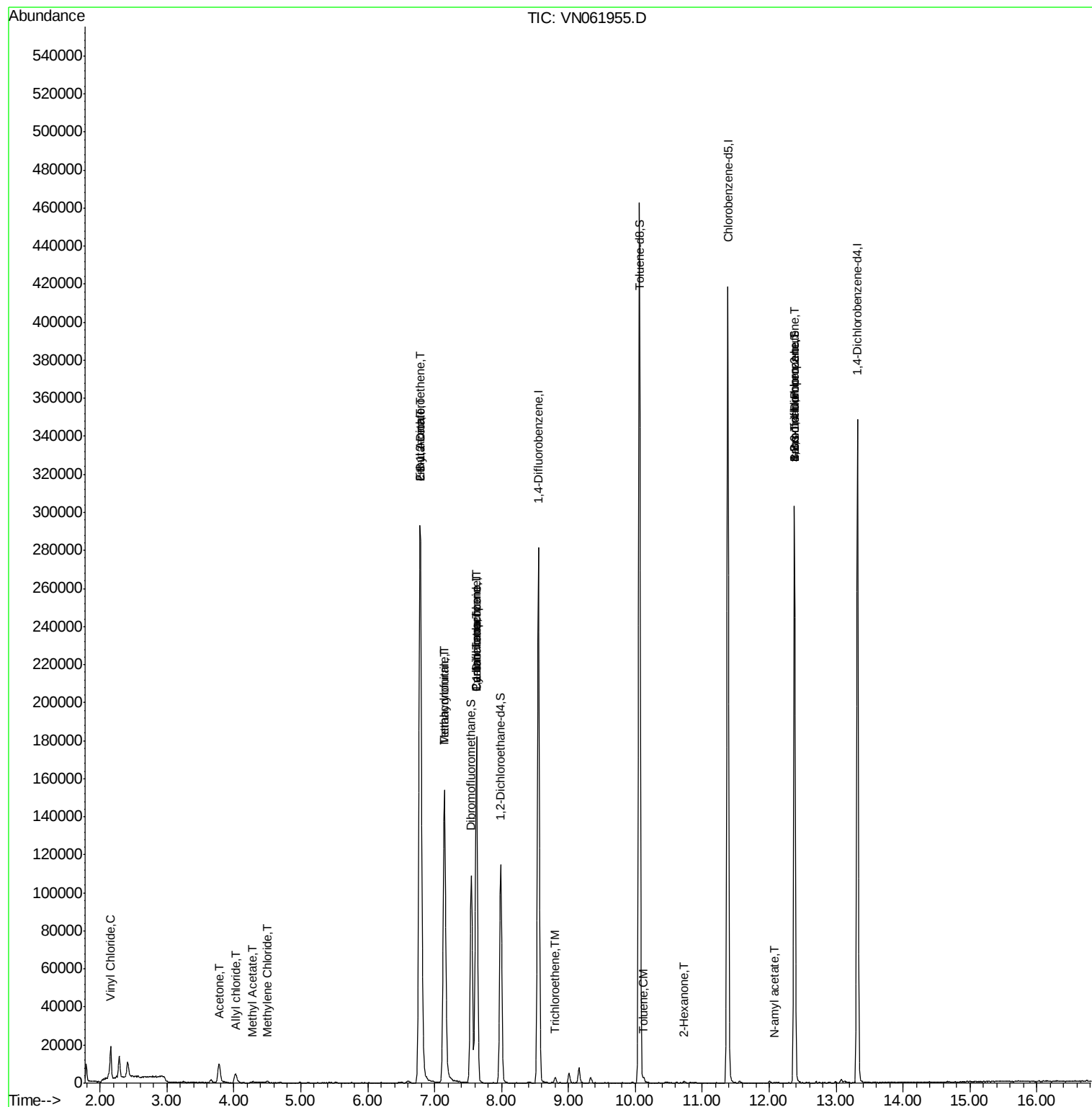
						Qvalue
4) Vinyl Chloride	2.16	62	14901	6.089	ug/l	99
14) Allyl chloride	4.02	41	520	0.261	ug/l #	69
16) Acetone	3.78	43	17035	29.077	ug/l	97
18) Methyl Acetate	4.28	43	1133	0.672	ug/l #	46
20) Methylene Chloride	4.50	84	601	0.315	ug/l #	84
25) 2-Butanone	6.78	43	493074	576.854	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	4548	2.284	ug/l	89
29) Tetrahydrofuran	7.14	42	6799	12.087	ug/l #	42
31) Cyclohexane	7.63	56	3069	1.174	ug/l #	1
36) 1,1-Dichloropropene	7.62	75	11107	4.682	ug/l #	48
37) Ethyl Acetate	6.78	43	493074	266.190	ug/l #	67
38) Carbon Tetrachloride	7.63	117	13890	5.913	ug/l #	16
41) Methacrylonitrile	7.14	41	30938	39.059	ug/l #	100
44) Trichloroethene	8.80	130	1137	0.601	ug/l	90
52) Toluene	10.12	92	992	0.220	ug/l	99
59) 2-Hexanone	10.72	43	825	13.936	ug/l	74
71) Bromoform	12.38	173	893	0.672	ug/l #	1
74) N-amyl acetate	12.07	43	125	3.111	ug/l #	38
76) 1,2,3-Trichloropropane	12.38	75	52964	27.843	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	52964	75.938	ug/l #	14

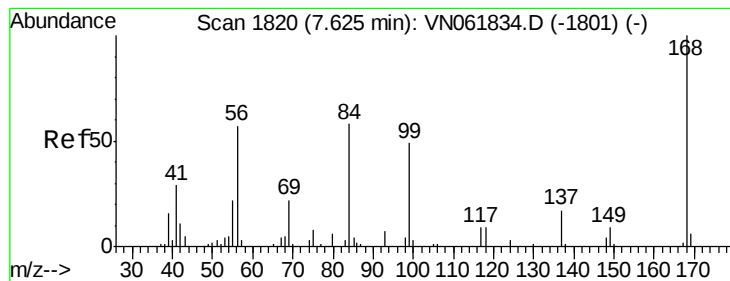
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Jun 17 01:19:44 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: VN061955.D

Acq: 19 Jun 2020 16:26

Instrument :

MSVOA_N

ClientSampleId :

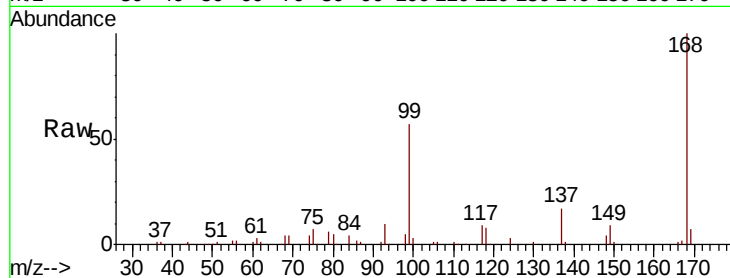
S49-0565

Tot Ion:168 Resp: 147887

Ion Ratio Lower Upper

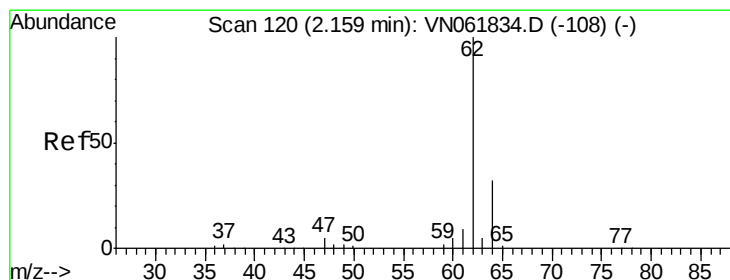
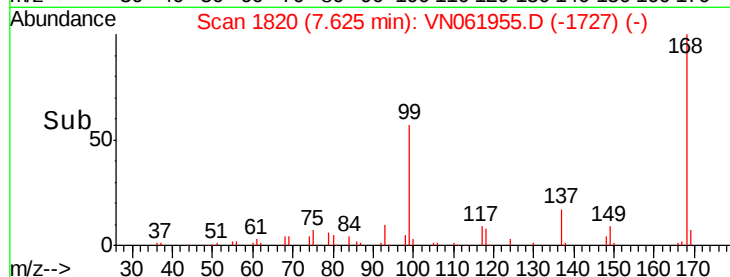
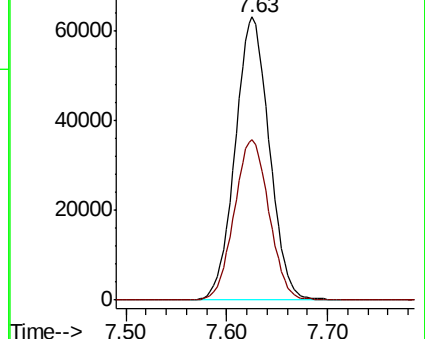
168 100

99 56.5 44.6 67.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#4

Vinyl Chloride

Concen: 6.089 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN061955.D

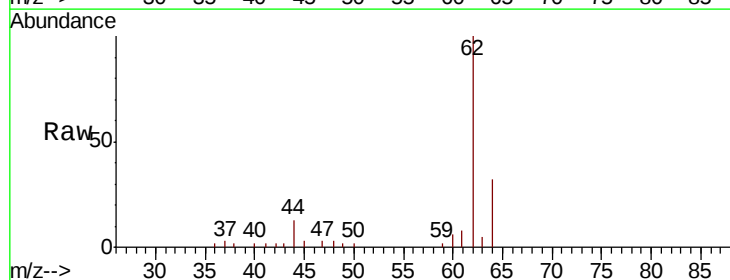
Acq: 19 Jun 2020 16:26

Tgt Ion: 62 Resp: 14901

Ion Ratio Lower Upper

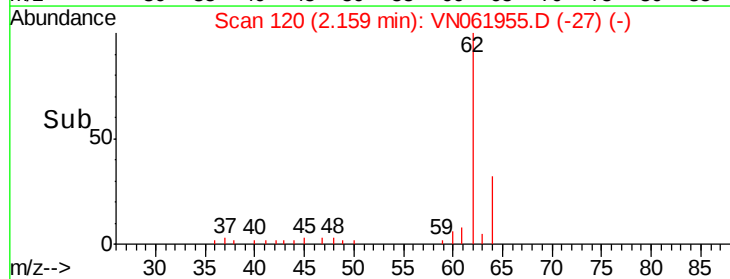
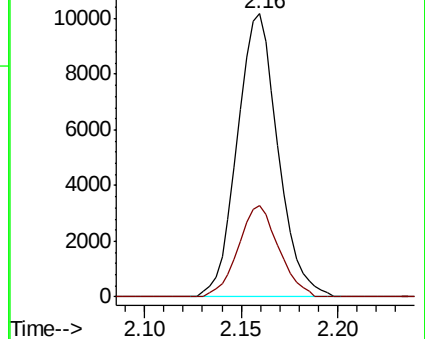
62 100

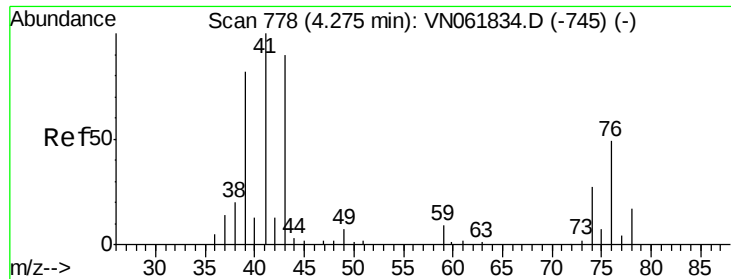
64 32.2 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

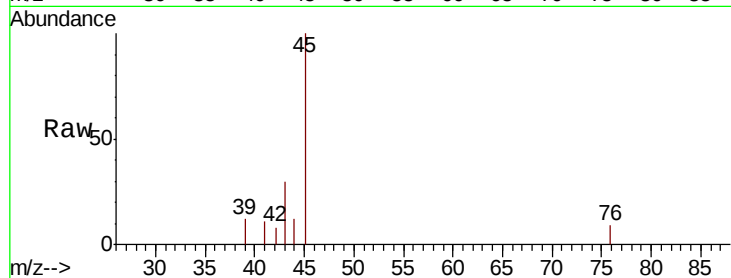




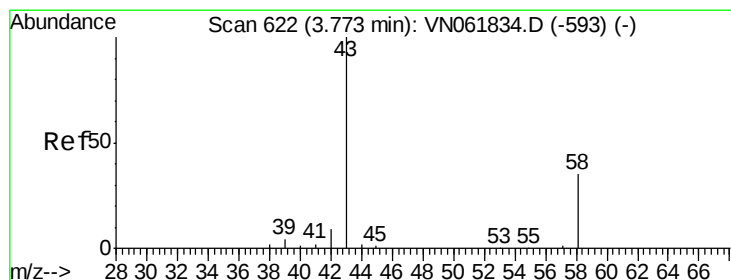
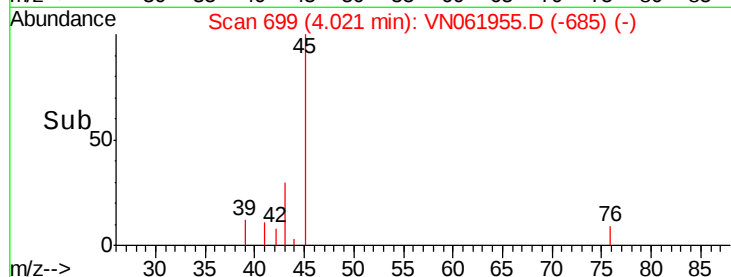
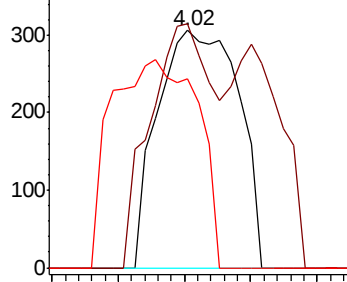
#14
Allvl chloride
Concen: 0.261 ug/l
RT: 4.02 min Scan# 699
Delta R.T. -0.25 min
Lab File: VN061955.D
Acq: 19 Jun 2020 16:26

Instrument :
MSVOA_N
ClientSampled :
S49-0565

Tot Ion: 41 Resp: 520
Ion Ratio Lower Upper
41 100
39 79.8 60.2 90.2
76 93.1 36.3 54.5#

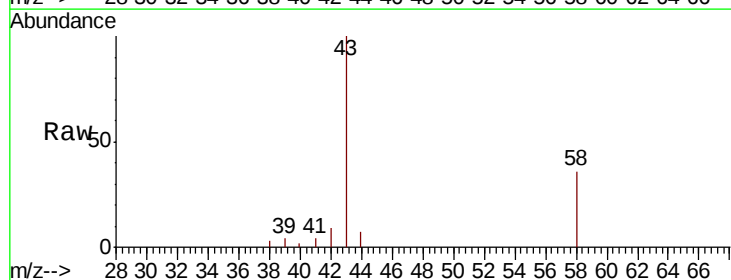


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 75.90 (75.60 to 76.60): VN0

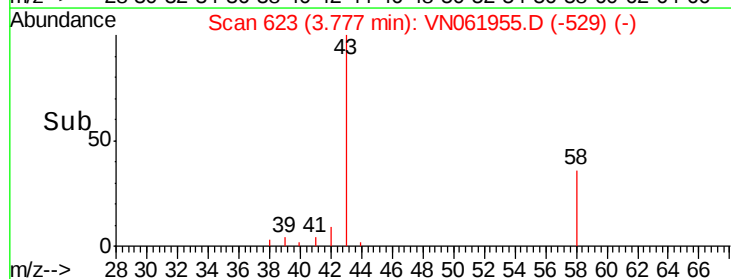
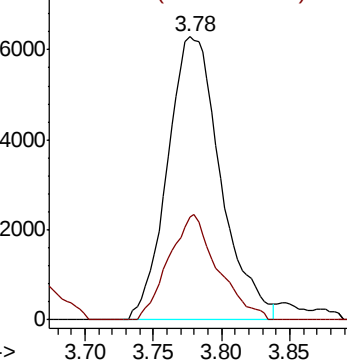


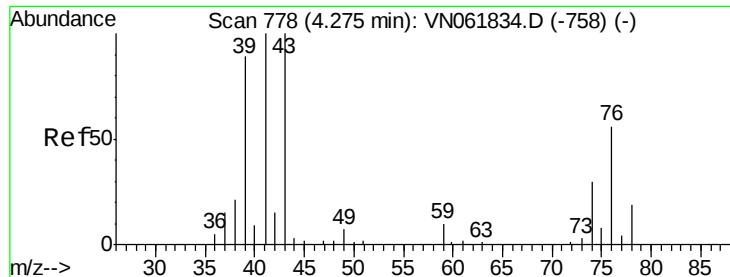
#16
Acetone
Concen: 29.077 ug/l
RT: 3.78 min Scan# 623
Delta R.T. 0.00 min
Lab File: VN061955.D
Acq: 19 Jun 2020 16:26

Tgt Ion: 43 Resp: 17035
Ion Ratio Lower Upper
43 100
58 36.4 27.8 41.8



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0





#18

Methyl Acetate

Concen: 0.672 ug/l

RT: 4.28 min Scan# 780

Delta R.T. 0.01 min

Lab File: VN061955.D

Acq: 19 Jun 2020 16:26

Instrument :

MSVOA_N

ClientSampled :

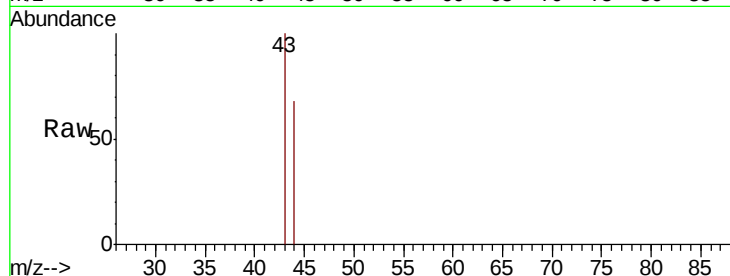
S49-0565

Tot Ion: 43 Resp: 1133

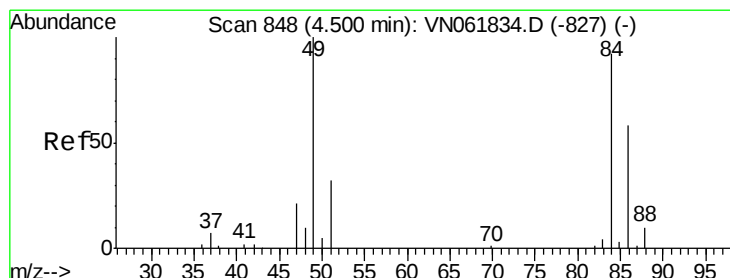
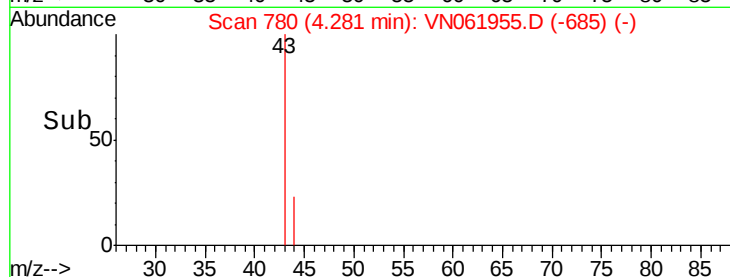
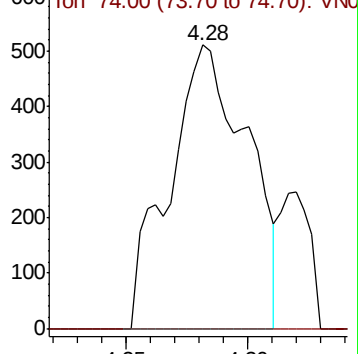
Ion Ratio Lower Upper

43 100

74 0.0 23.0 34.4#



Abundance Ion 43.00 (42.70 to 43.70): VN061834.D (-758) (-)



#20

Methylene Chloride

Concen: 0.315 ug/l

RT: 4.50 min Scan# 849

Delta R.T. 0.00 min

Lab File: VN061955.D

Acq: 19 Jun 2020 16:26

Tgt Ion: 84 Resp: 601

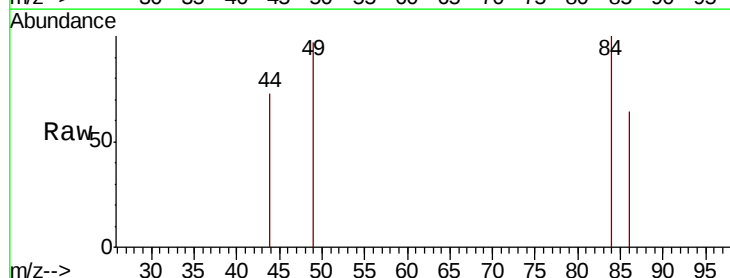
Ion Ratio Lower Upper

84 100

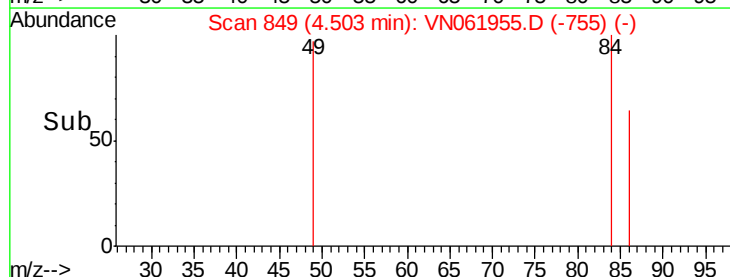
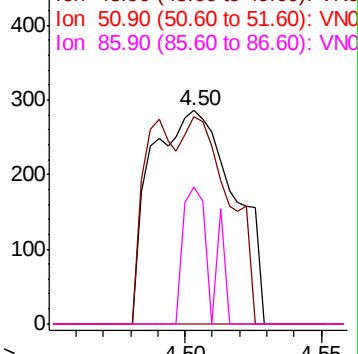
49 97.2 87.0 130.4

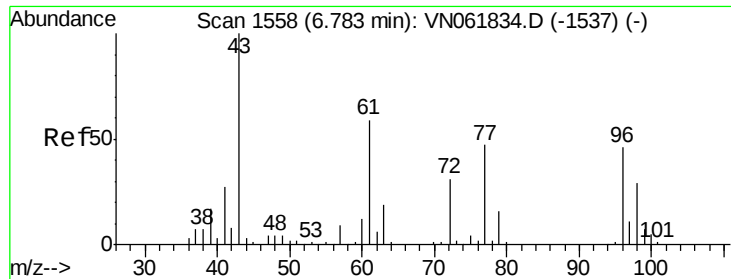
51 0.0 27.8 41.6#

86 64.0 50.2 75.2



Abundance Ion 83.90 (83.60 to 84.60): VN061834.D (-827) (-)





#25

2-Butanone

Concen: 576.854 ug/l

RT: 6.78 min Scan# 1558

Delta R.T. 0.00 min

Lab File: VN061955.D

Acq: 19 Jun 2020 16:26

Instrument :

MSVOA_N

ClientSampleId :

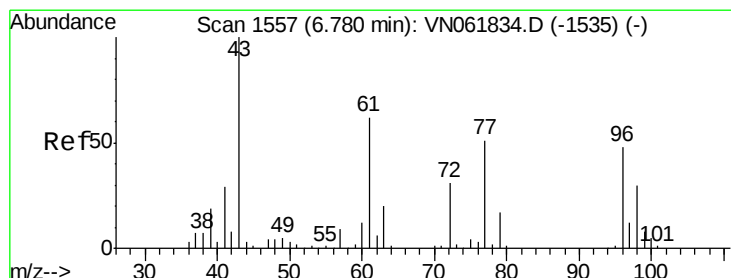
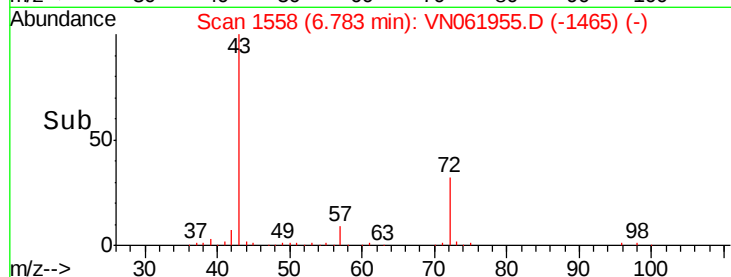
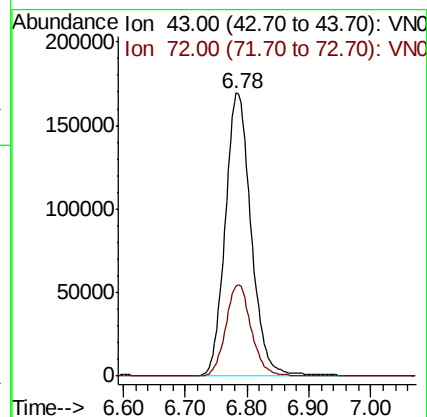
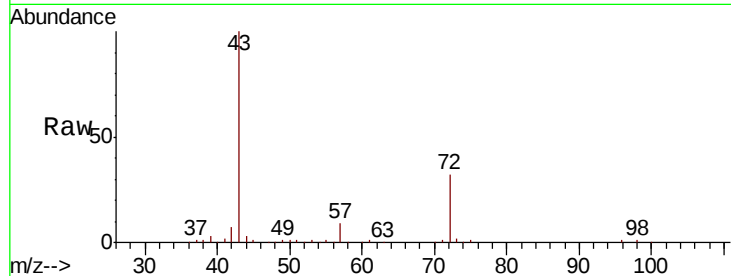
S49-0565

Tot Ion: 43 Resp: 493074

Ion Ratio Lower Upper

43 100

72 31.8 24.6 37.0



#27

cis-1,2-Dichloroethene

Concen: 2.284 ug/l

RT: 6.78 min Scan# 1558

Delta R.T. 0.00 min

Lab File: VN061955.D

Acq: 19 Jun 2020 16:26

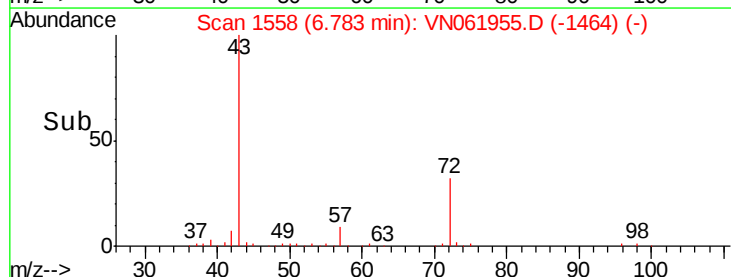
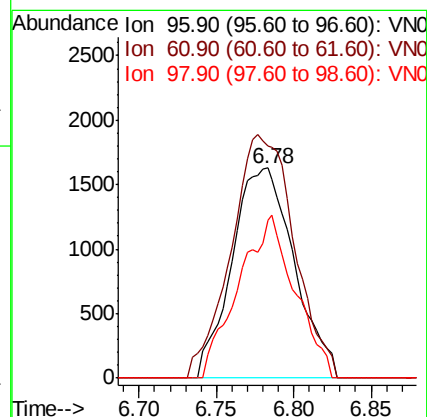
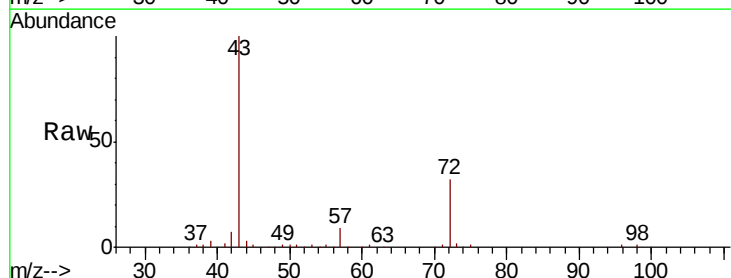
Tgt Ion: 96 Resp: 4548

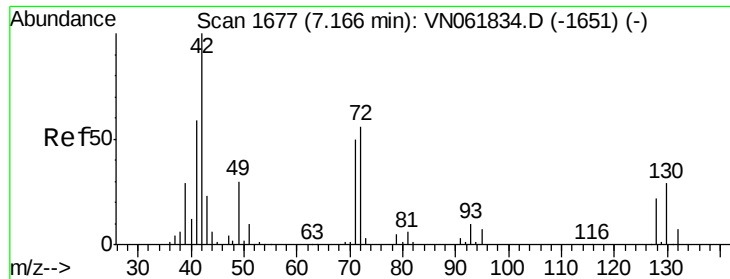
Ion Ratio Lower Upper

96 100

61 117.8 0.0 265.6

98 70.2 0.0 128.2

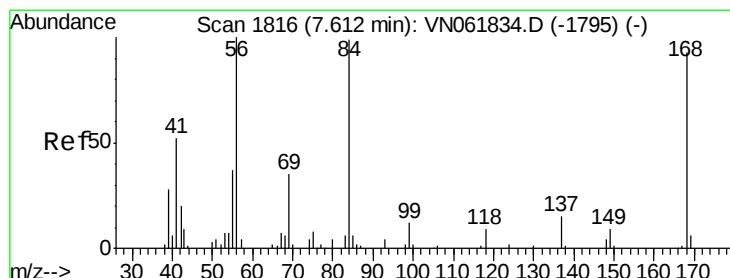
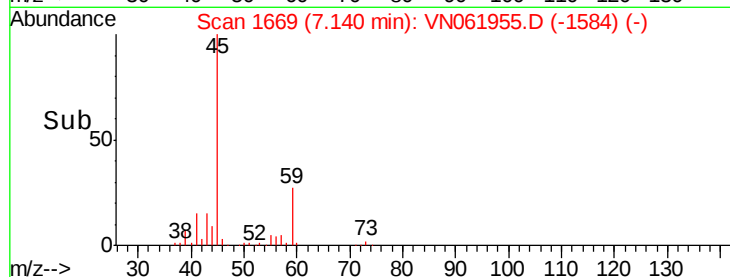
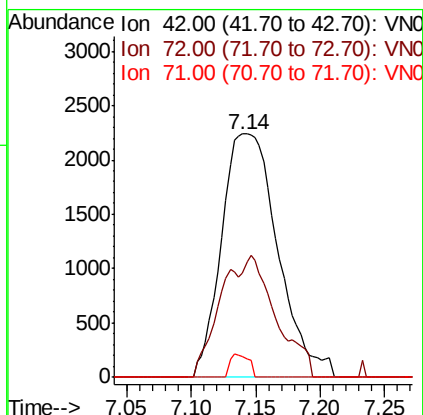
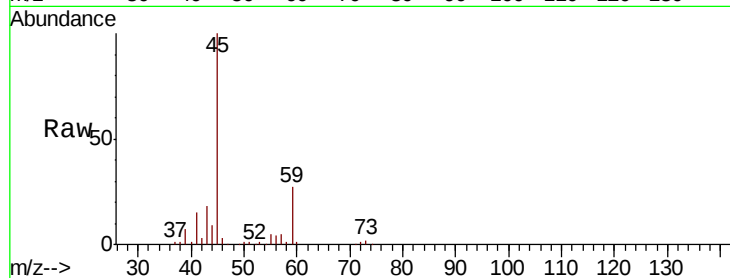




#29
Tetrahydrofuran
Concen: 12.087 ug/l
RT: 7.14 min Scan# 1669
Delta R.T. -0.03 min
Lab File: VN061955.D
Acq: 19 Jun 2020 16:26

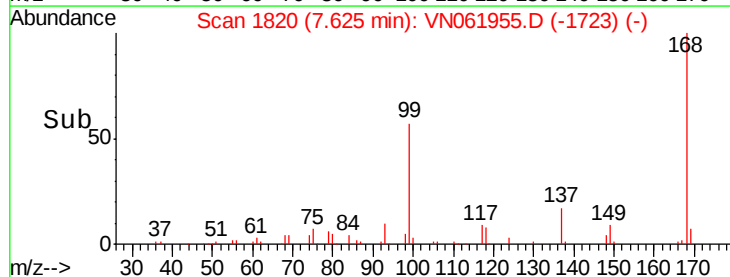
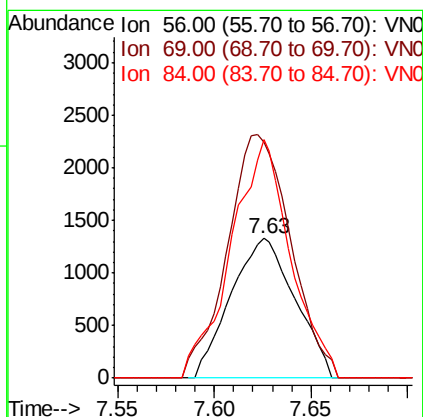
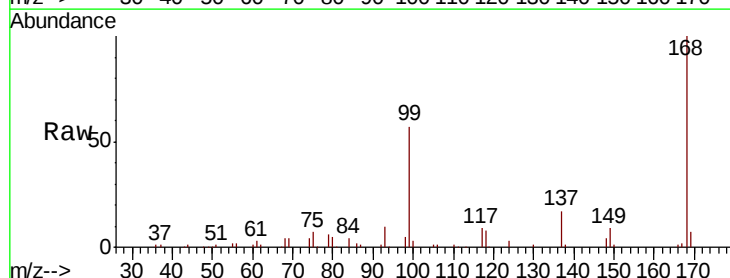
Instrument :
MSVOA_N
ClientSampleId :
S49-0565

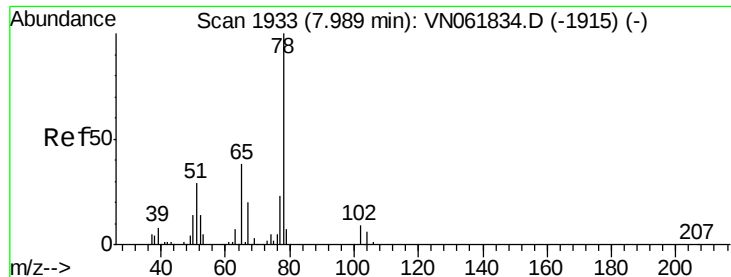
Tot Ion: 42 Resp: 6799
Ion Ratio Lower Upper
42 100
72 19.2 44.0 66.0#
71 3.1 40.0 60.0#



#31
Cyclohexane
Concen: 1.174 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. 0.01 min
Lab File: VN061955.D
Acq: 19 Jun 2020 16:26

Tgt Ion: 56 Resp: 3069
Ion Ratio Lower Upper
56 100
69 168.9 27.7 41.5#
84 170.6 79.1 118.7#

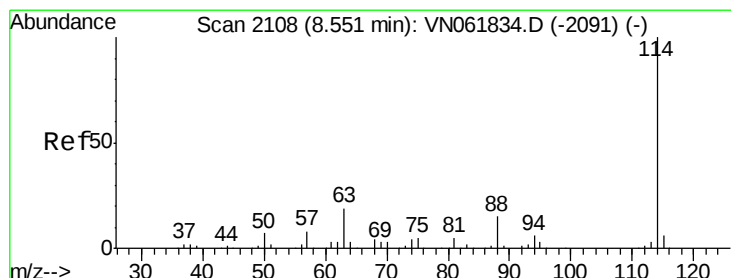
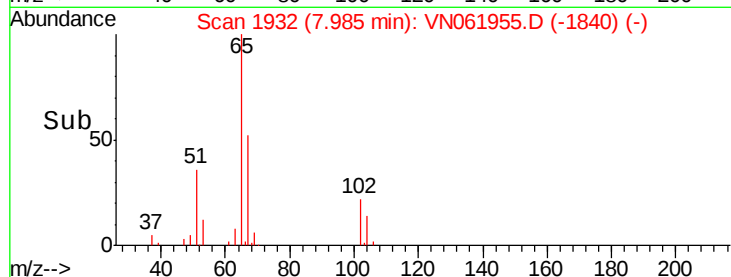
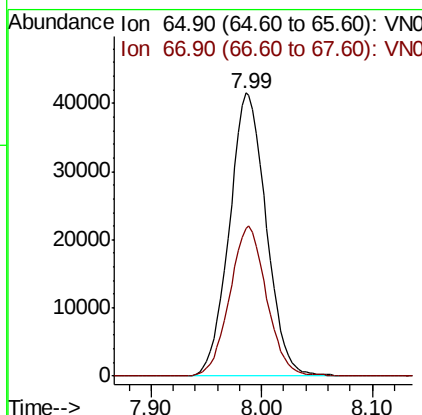
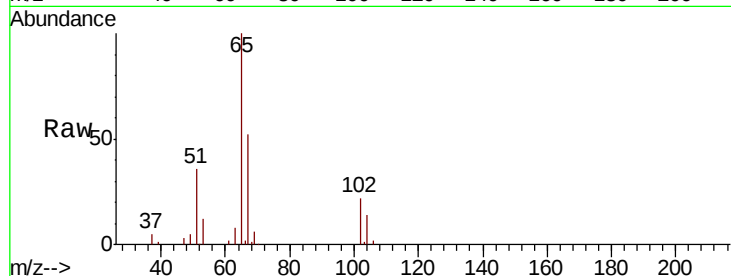




#33
 1,2-Dichloroethane-d4
 Concen: 48.357 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN061955.D
 Acq: 19 Jun 2020 16:26

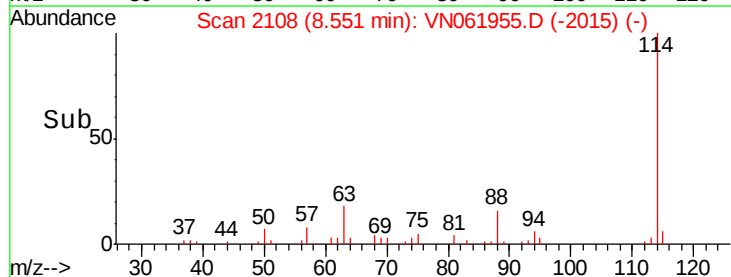
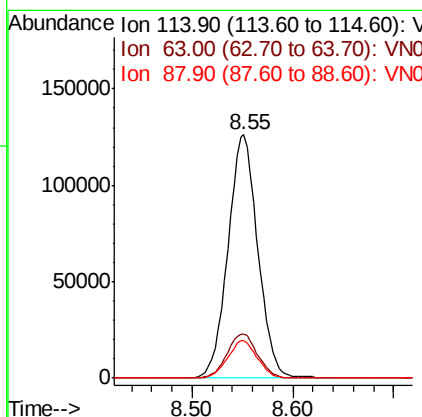
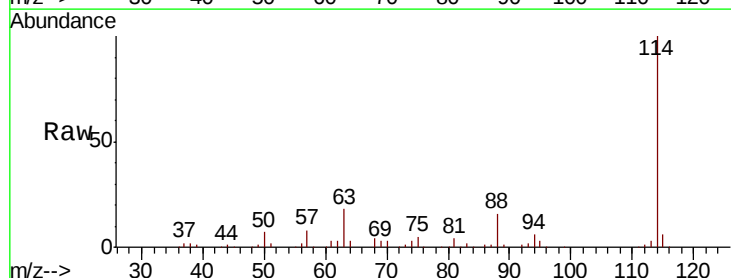
Instrument :
 MSVOA_N
 ClientSampleId :
 S49-0565

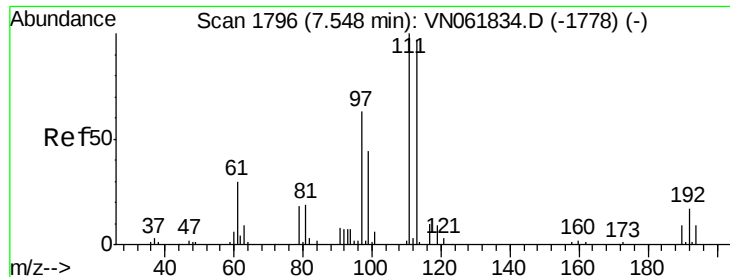
Tot Ion: 65 Resp: 95911
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN061955.D
 Acq: 19 Jun 2020 16:26

Tgt Ion: 114 Resp: 260062
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 37.6
 88 15.6 0.0 31.0

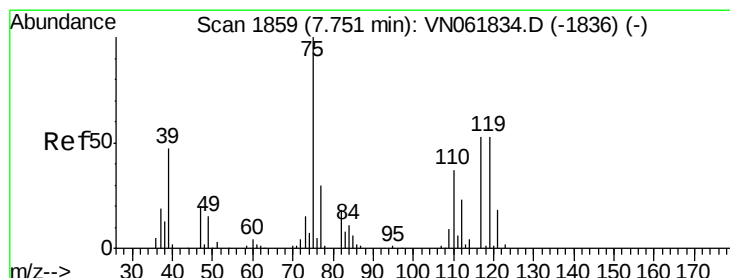
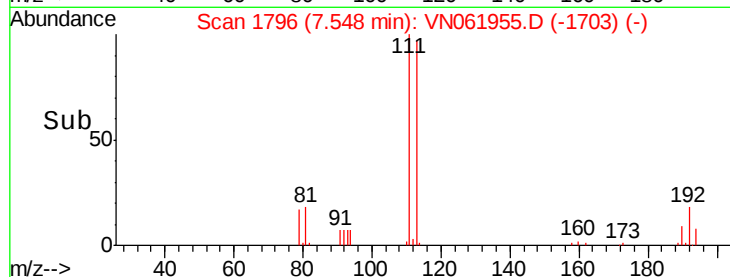
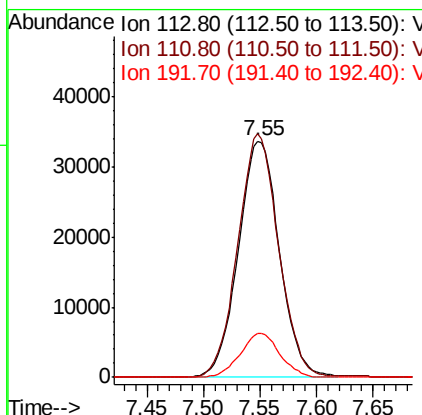
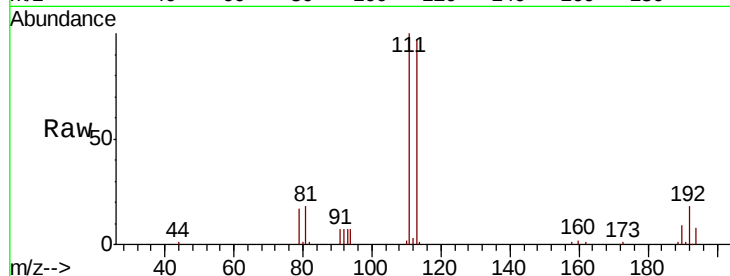




#35
 Dibromofluoromethane
 Concen: 51.165 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VN061955.D
 Acq: 19 Jun 2020 16:26

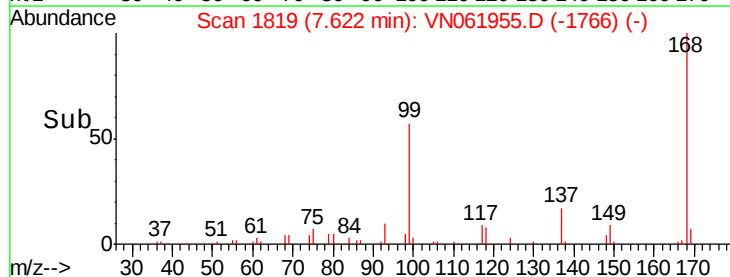
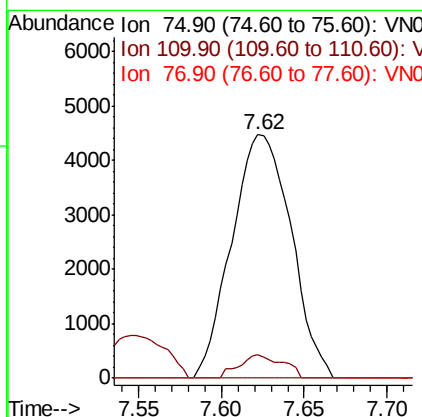
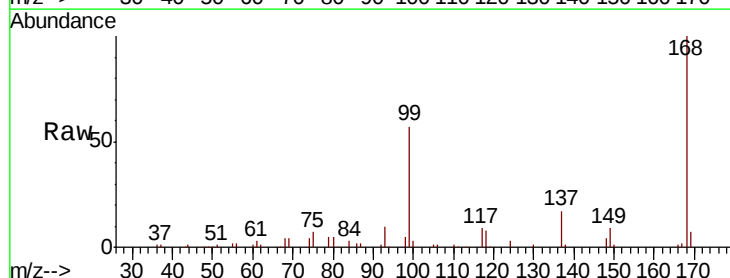
Instrument :
 MSVOA_N
 ClientSampleId :
 S49-0565

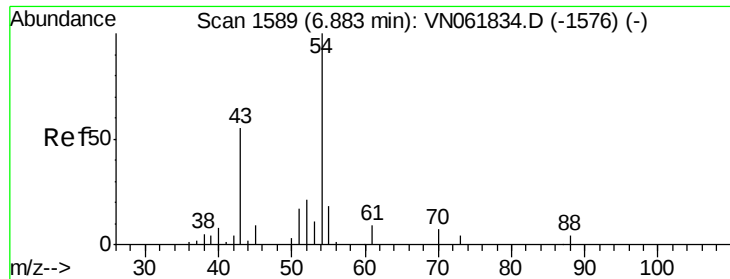
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	83.7	125.5
192	17.8	13.9	20.9



#36
 1,1-Dichloropropene
 Concen: 4.682 ug/l
 RT: 7.62 min Scan# 1819
 Delta R.T. -0.13 min
 Lab File: VN061955.D
 Acq: 19 Jun 2020 16:26

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.1	18.2	54.6#
77	0.0	24.2	36.4#

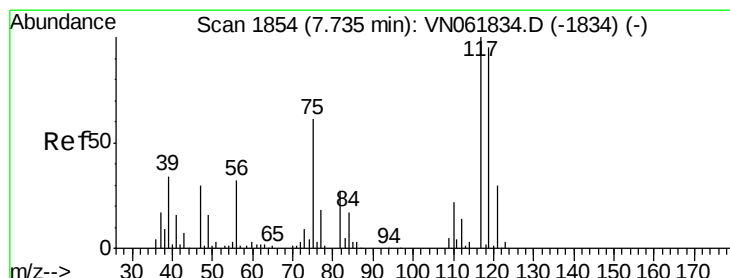
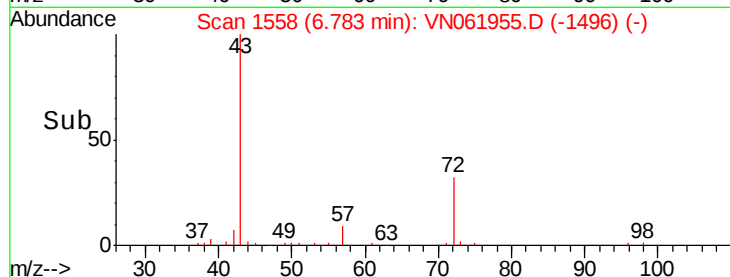
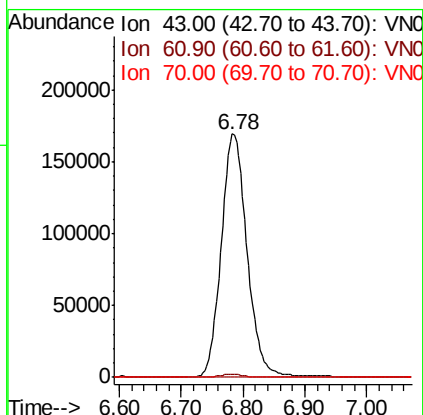
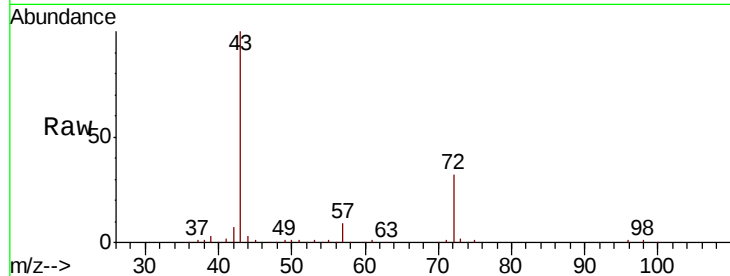




#37
Ethyl Acetate
Concen: 266.190 ug/l
RT: 6.78 min Scan# 1558
Delta R.T. -0.10 min
Lab File: VN061955.D
Acq: 19 Jun 2020 16:26

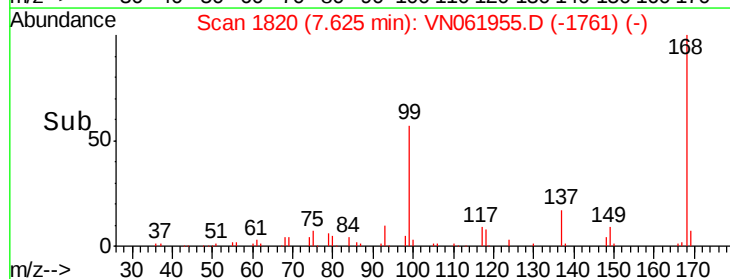
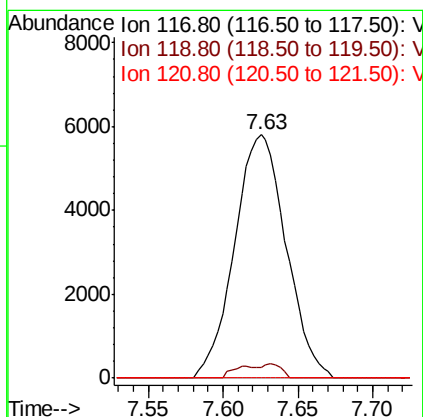
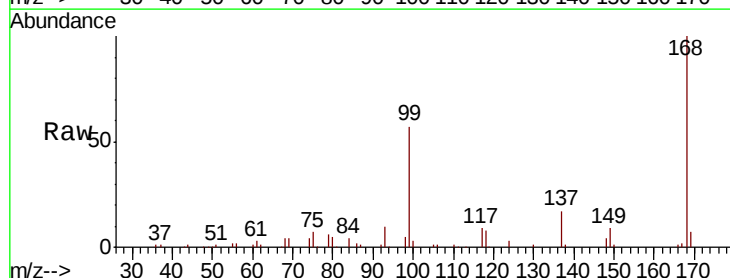
Instrument :
MSVOA_N
ClientSampled :
S49-0565

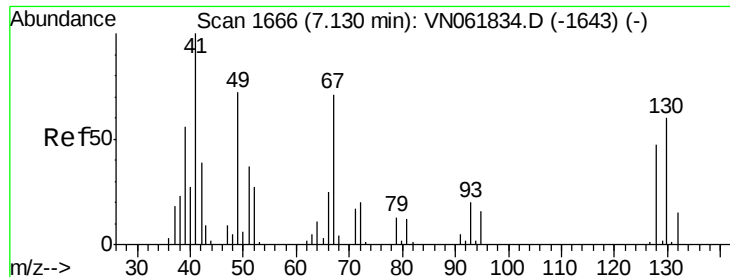
Tot Ion: 43 Resp: 493074
Ion Ratio Lower Upper
43 100
61 1.1 13.0 19.4#
70 0.1 9.4 14.2#



#38
Carbon Tetrachloride
Concen: 5.913 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. -0.11 min
Lab File: VN061955.D
Acq: 19 Jun 2020 16:26

Tgt Ion: 117 Resp: 13890
Ion Ratio Lower Upper
117 100
119 4.6 75.8 113.6#
121 0.0 23.8 35.6#

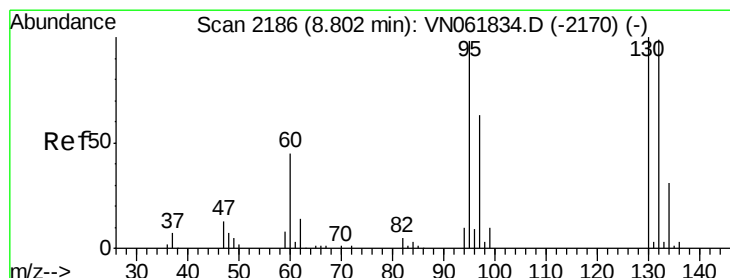
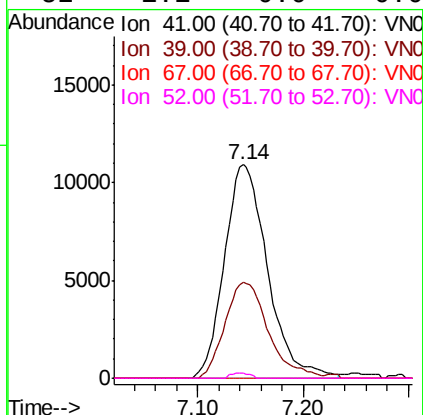
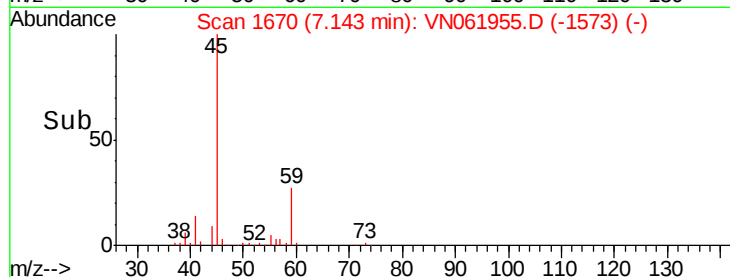
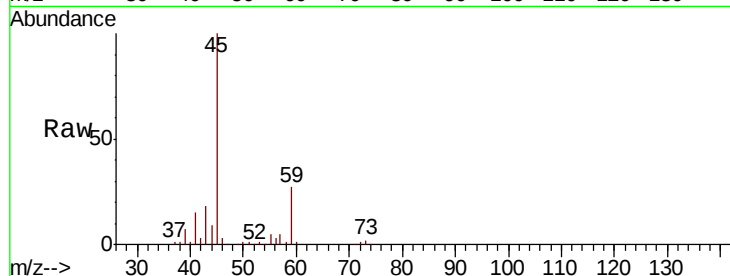




#41
Methacrylonitrile
Concen: 39.059 ug/l
RT: 7.14 min Scan# 1670
Delta R.T. 0.01 min
Lab File: VN061955.D
Acq: 19 Jun 2020 16:26

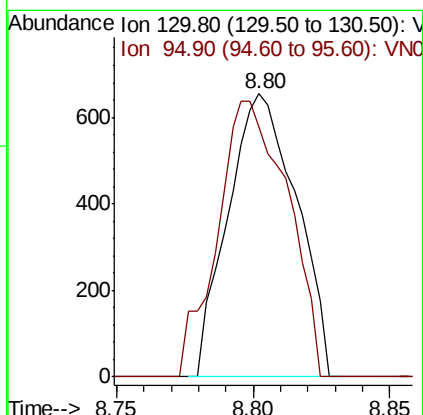
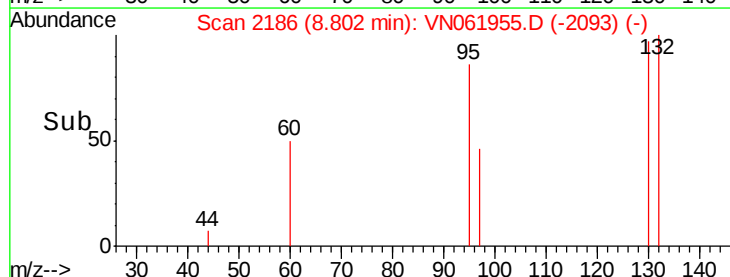
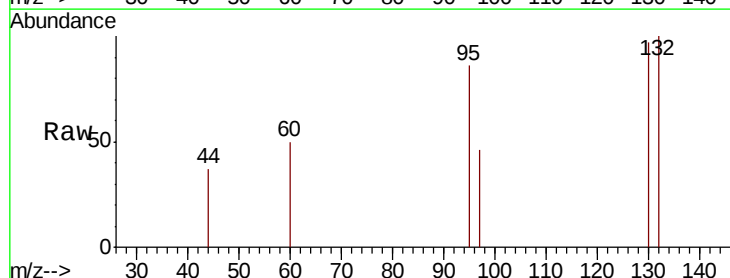
Instrument :
MSVOA_N
ClientSampled :
S49-0565

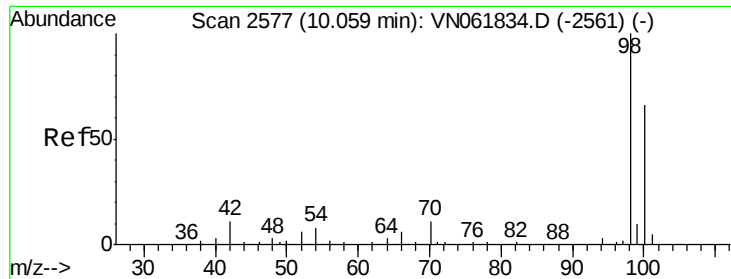
Tot Ion: 41 Resp: 30938
Ion Ratio Lower Upper
41 100
39 45.3 0.0 0.0#
67 0.0 0.0 0.0
52 1.1 0.0 0.0#



#44
Trichloroethene
Concen: 0.601 ug/l
RT: 8.80 min Scan# 2186
Delta R.T. 0.00 min
Lab File: VN061955.D
Acq: 19 Jun 2020 16:26

Tgt Ion: 130 Resp: 1137
Ion Ratio Lower Upper
130 100
95 88.2 0.0 195.6

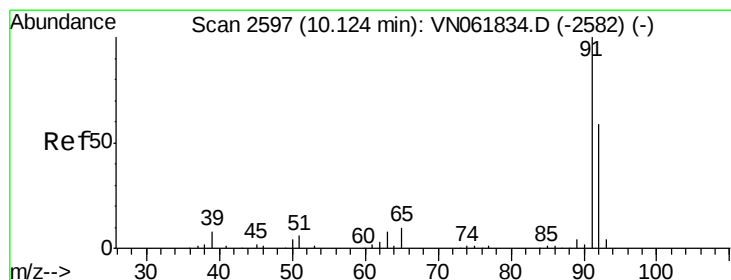
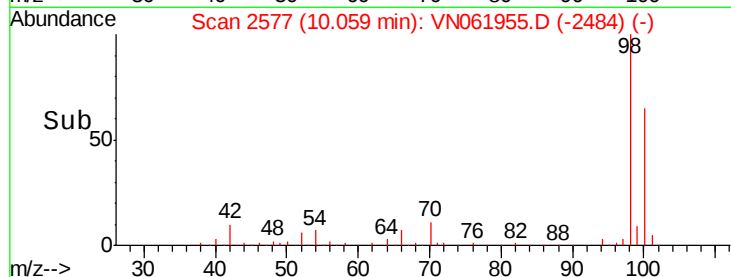
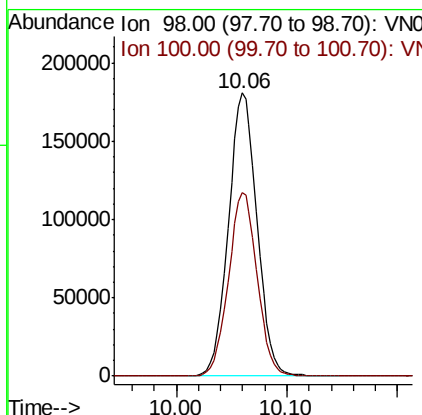
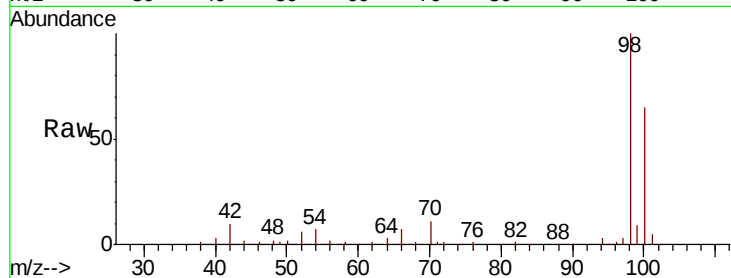




#50
Toluene-d8
Concen: 49.680 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN061955.D
Acq: 19 Jun 2020 16:26

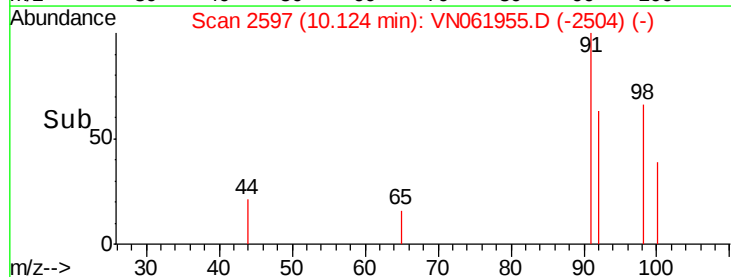
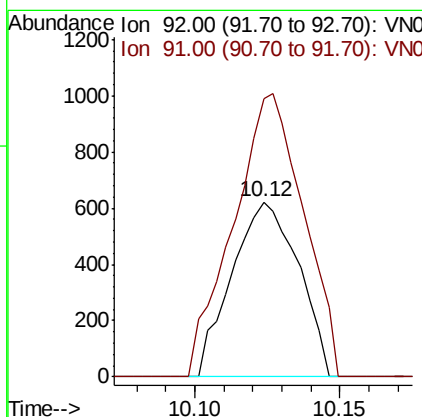
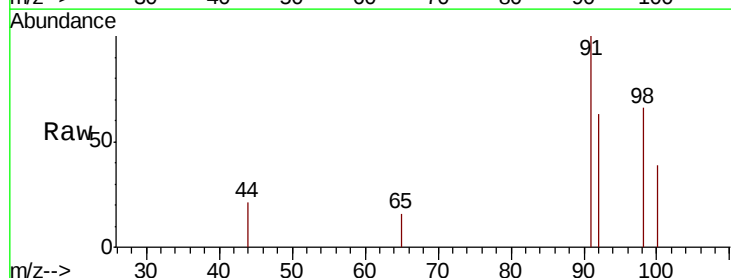
Instrument :
MSVOA_N
ClientSampleId :
S49-0565

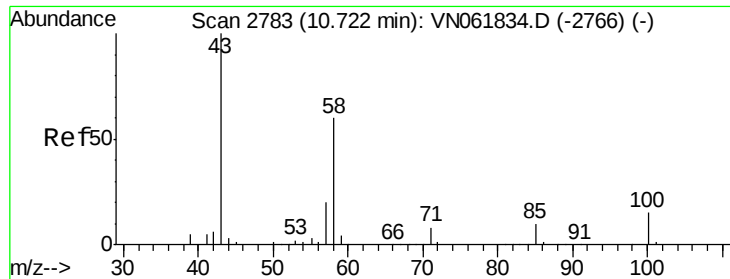
Tot Ion: 98 Resp: 324952
Ion Ratio Lower Upper
98 100
100 65.0 52.7 79.1



#52
Toluene
Concen: 0.220 ug/l
RT: 10.12 min Scan# 2597
Delta R.T. 0.00 min
Lab File: VN061955.D
Acq: 19 Jun 2020 16:26

Tgt Ion: 92 Resp: 992
Ion Ratio Lower Upper
92 100
91 170.5 137.1 205.7





#59

2-Hexanone

Concen: 13.936 ug/l

RT: 10.72 min Scan# 2784

Delta R.T. 0.00 min

Lab File: VN061955.D

Acq: 19 Jun 2020 16:26

Instrument :

MSVOA_N

ClientSampled :

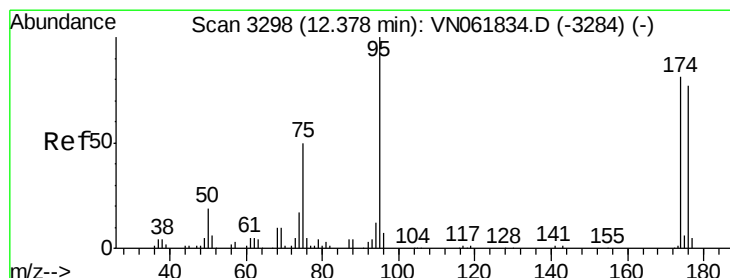
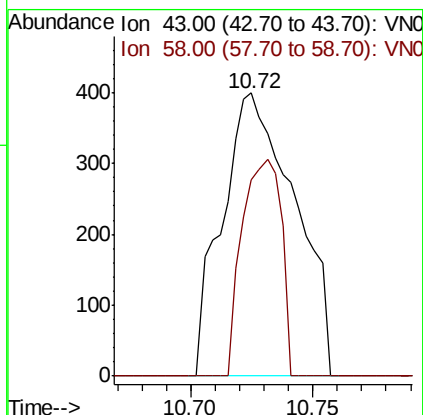
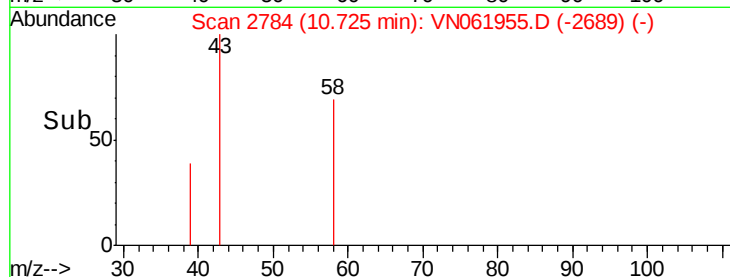
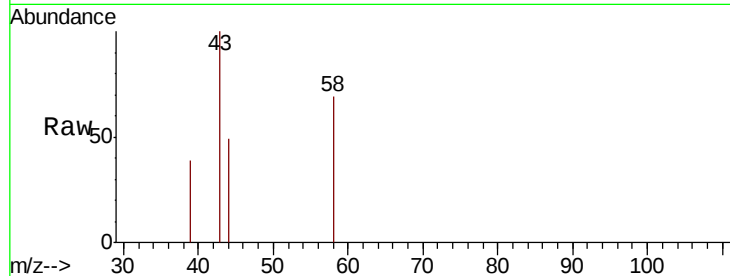
S49-0565

Tot Ion: 43 Resp: 825

Ion Ratio Lower Upper

43 100

58 40.8 30.1 90.5



#62

4-Bromofluorobenzene

Concen: 47.343 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN061955.D

Acq: 19 Jun 2020 16:26

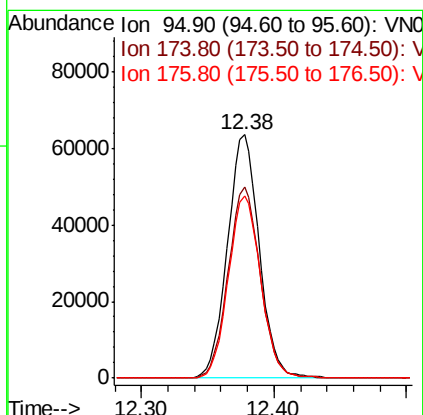
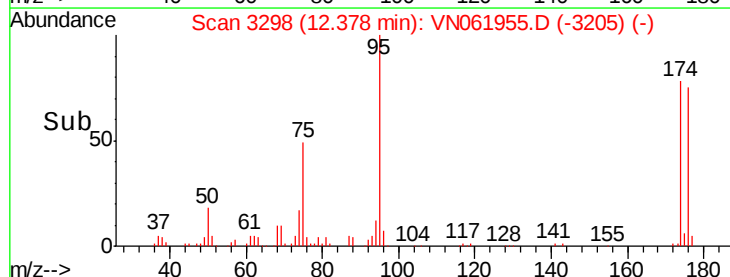
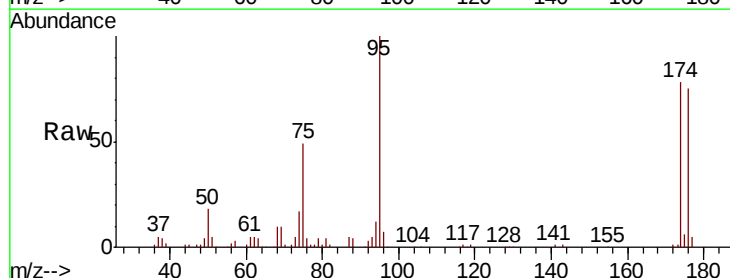
Tgt Ion: 95 Resp: 106219

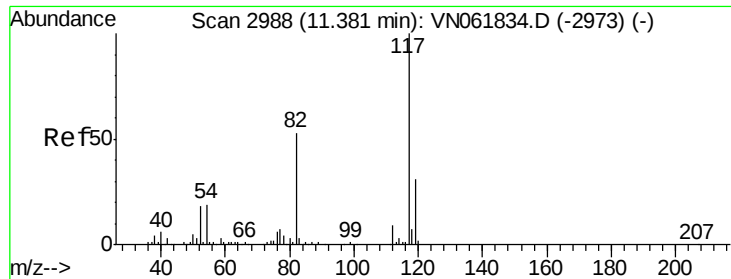
Ion Ratio Lower Upper

95 100

174 79.0 0.0 158.6

176 75.8 0.0 152.0

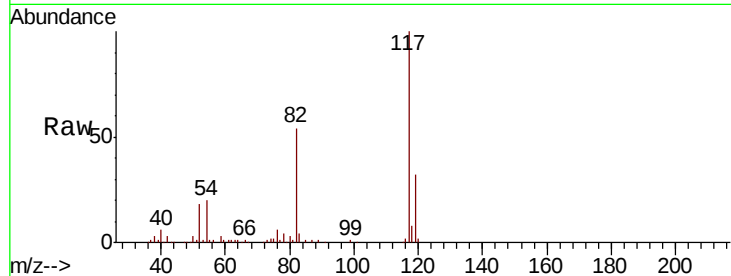




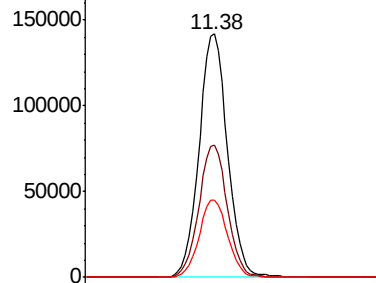
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN061955.D
Acq: 19 Jun 2020 16:26

Instrument :
MSVOA_N
ClientSampleId :
S49-0565

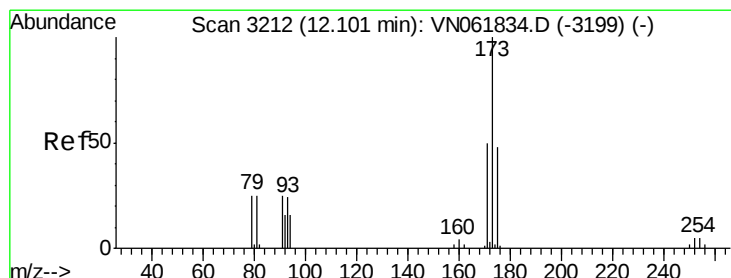
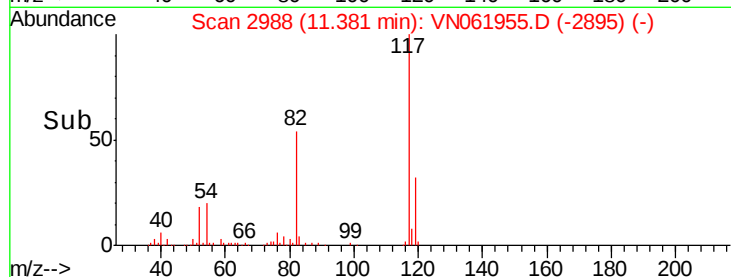
Tot Ion:117 Resp: 247590
Ion Ratio Lower Upper
117 100
82 54.5 42.6 64.0
119 31.5 24.7 37.1



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

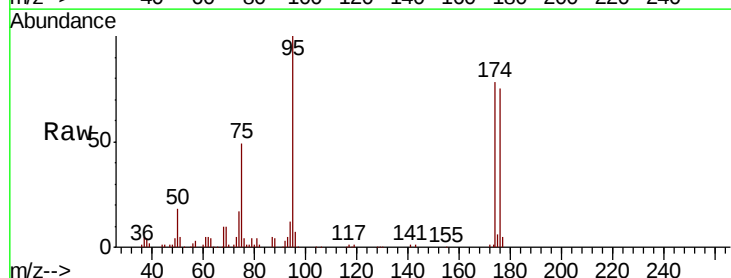


Time-->

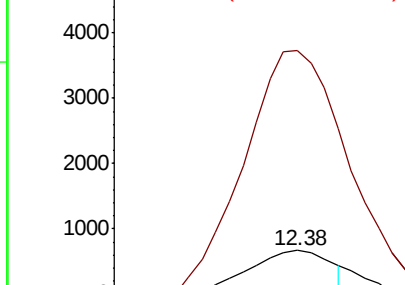


#71
Bromoform
Concen: 0.672 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.28 min
Lab File: VN061955.D
Acq: 19 Jun 2020 16:26

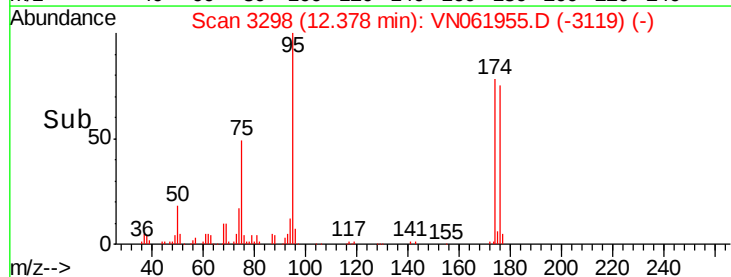
Tgt Ion:173 Resp: 893
Ion Ratio Lower Upper
173 100
175 599.6 23.9 71.7#
254 0.0 0.0 0.0

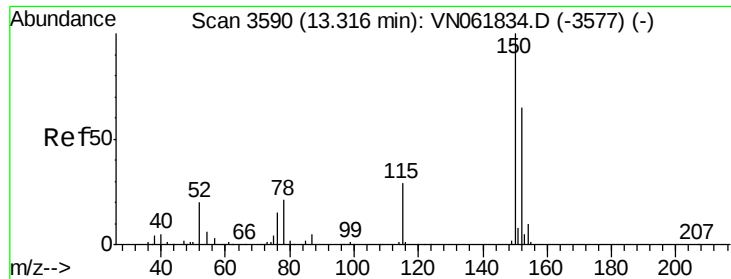


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



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: VN061955.D

Acq: 19 Jun 2020 16:26

Instrument :

MSVOA_N

ClientSampleId :

S49-0565

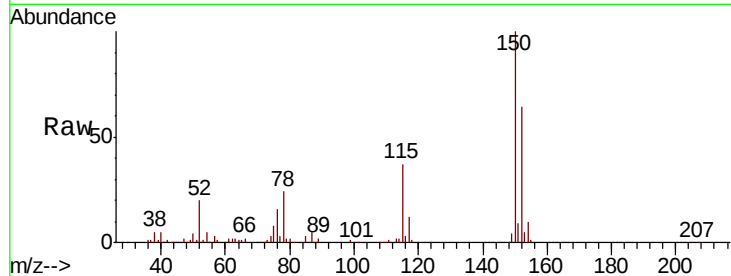
Tot Ion:152 Resp: 96894

Ion Ratio Lower Upper

152 100

115 57.5 29.1 87.3

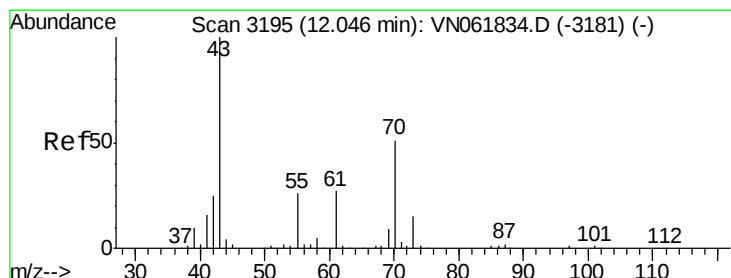
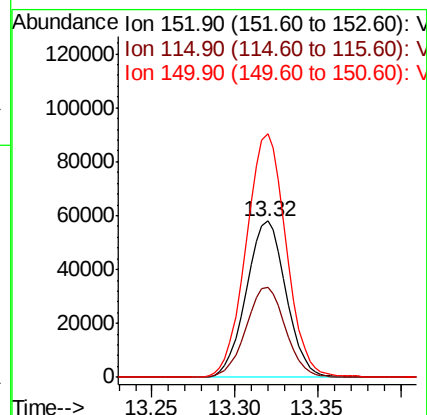
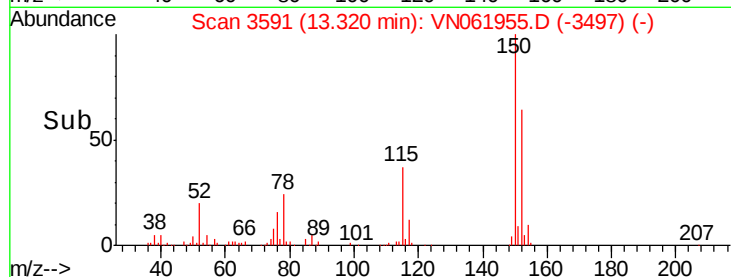
150 157.4 0.0 347.6



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



#74

N-ethyl acetate

Concen: 3.111 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.03 min

Lab File: VN061955.D

Acq: 19 Jun 2020 16:26

Tgt Ion: 43 Resp: 125

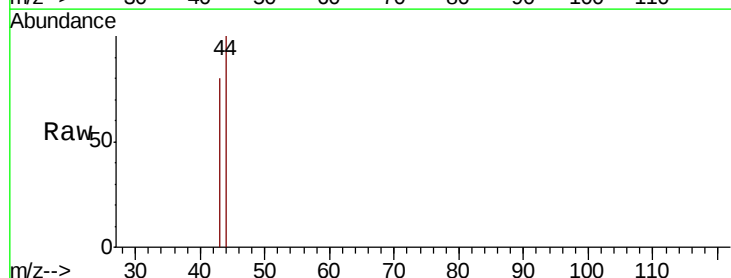
Ion Ratio Lower Upper

43 100

70 0.0 40.6 60.8#

55 0.0 21.5 32.3#

61 0.0 21.6 32.4#

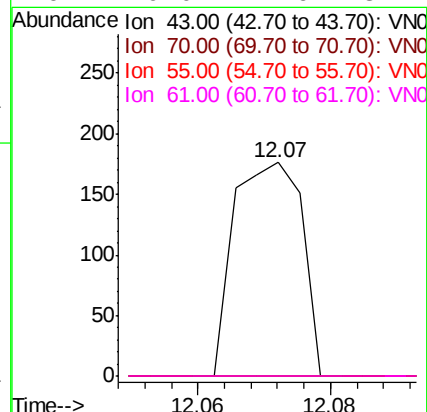
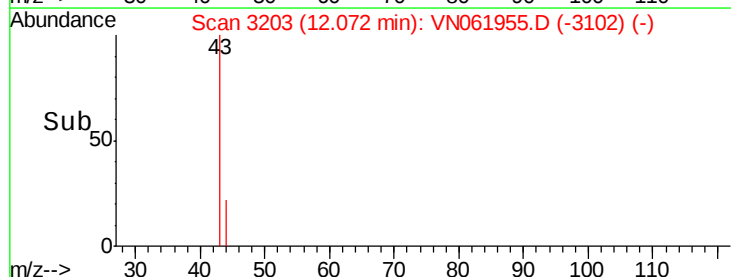


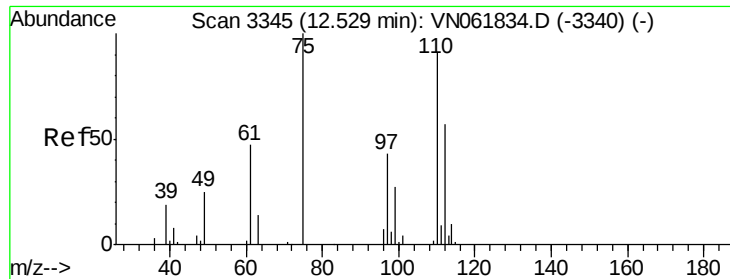
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 27.843 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN061955.D

Acq: 19 Jun 2020 16:26

Instrument :

MSVOA_N

ClientSampleId :

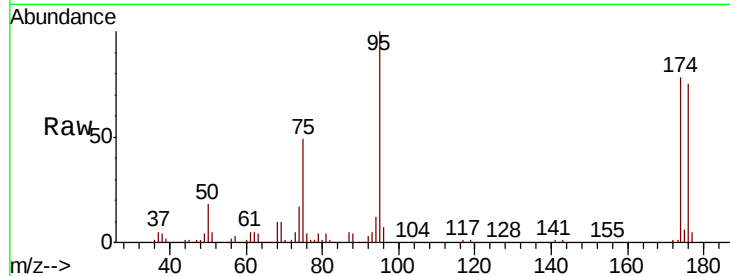
S49-0565

Tot Ion: 75 Resp: 52964

Ion Ratio Lower Upper

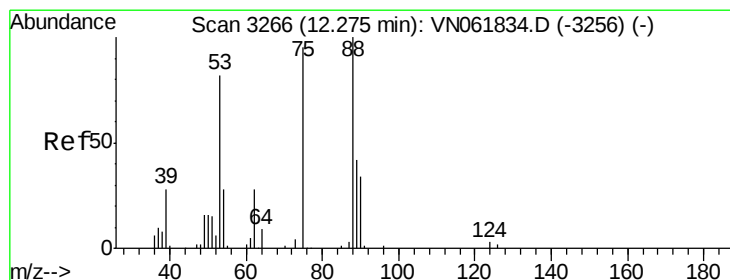
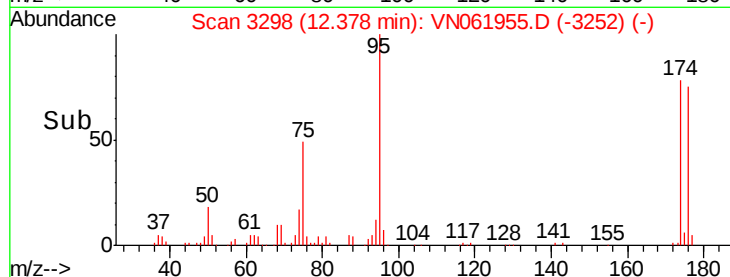
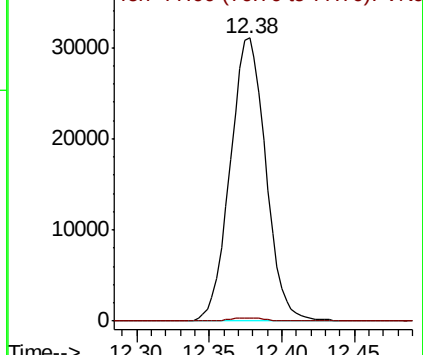
75 100

77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 75.938 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN061955.D

Acq: 19 Jun 2020 16:26

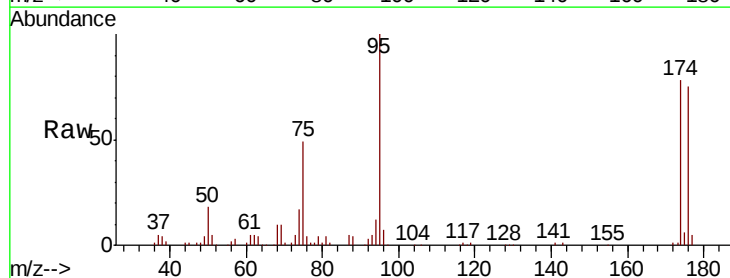
Tgt Ion: 75 Resp: 52964

Ion Ratio Lower Upper

75 100

53 0.0 70.4 105.6#

89 0.0 36.0 54.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

