

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060920\
 Data File : VN061724.D
 Acq On : 9 Jun 2020 14:27
 Operator : JC/MD
 Sample : L2951-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 239988

Quant Time: Jun 10 03:03:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 29 02:14:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	290007	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	502629	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	516962	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	230232	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	168697	48.82	ug/l	0.00
Spiked Amount			Recovery	=	97.64%	
35) Dibromofluoromethane	7.55	113	144997	56.87	ug/l	0.00
Spiked Amount			Recovery	=	113.74%	
50) Toluene-d8	10.06	98	620785	52.54	ug/l	0.00
Spiked Amount			Recovery	=	105.08%	
62) 4-Bromofluorobenzene	12.38	95	218540	50.70	ug/l	0.00
Spiked Amount			Recovery	=	101.40%	

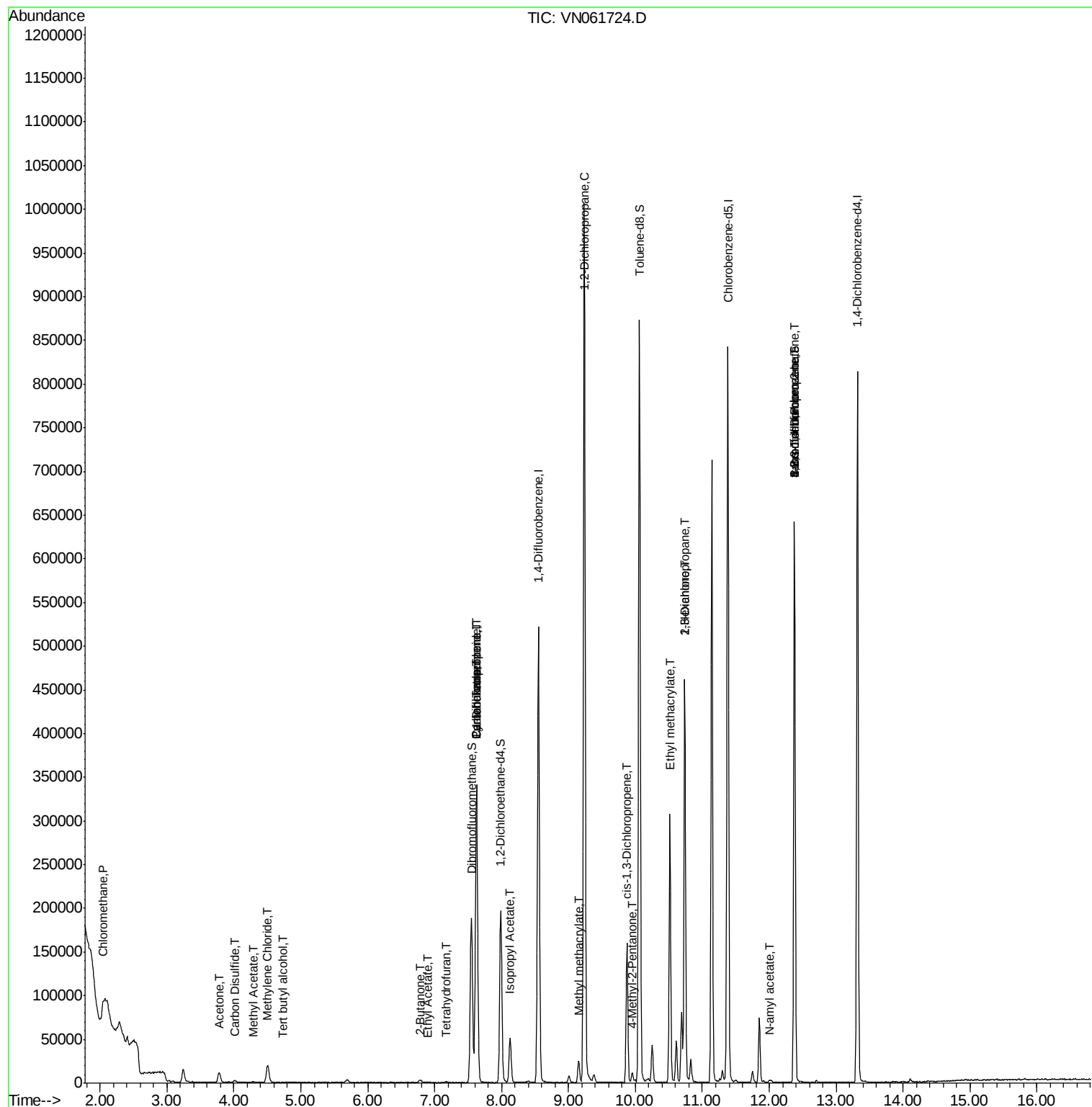
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	717	0.203	ug/l #	54
11) Tert butyl alcohol	4.73	59	312	0.679	ug/l #	72
16) Acetone	3.78	43	19041	14.146	ug/l	97
17) Carbon Disulfide	4.00	76	4709	0.722	ug/l #	74
18) Methyl Acetate	4.29	43	2067	0.661	ug/l #	59
20) Methylene Chloride	4.51	84	15921	3.450	ug/l	94
25) 2-Butanone	6.79	43	3149	1.923	ug/l	91
29) Tetrahydrofuran	7.16	42	366	0.339	ug/l #	57
31) Cyclohexane	7.63	56	5090	1.045	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	19895	4.471	ug/l #	49
37) Ethyl Acetate	6.90	43	855	0.239	ug/l #	66
38) Carbon Tetrachloride	7.63	117	27366	6.376	ug/l #	17
43) Isopropyl Acetate	8.13	43	56038	8.691	ug/l	93
45) 1,2-Dichloropropane	9.23	63	1318	0.404	ug/l #	44
48) Methyl methacrylate	9.15	41	2964	1.022	ug/l #	5
51) 4-Methyl-2-Pentanone	9.95	43	6232	1.715	ug/l	94
54) cis-1,3-Dichloropropene	9.87	75	32308	5.631	ug/l #	61
56) Ethyl methacrylate	10.51	69	1190	0.239	ug/l #	1
57) 1,3-Dichloropropane	10.74	76	5484	0.960	ug/l #	42
59) 2-Hexanone	10.74	43	57113	21.887	ug/l #	49
71) Bromoform	12.37	173	1590	0.516	ug/l #	1
74) N-amyl acetate	12.01	43	3585	0.677	ug/l #	38
76) 1,2,3-Trichloropropane	12.37	75	105940	25.305	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.37	75	105940	64.712	ug/l #	15

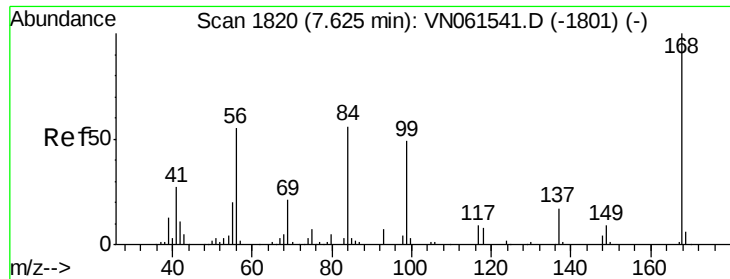
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
Quant Title : SW846 8260
QLast Update : Fri May 29 02:14:10 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: VN061724.D

Acq: 9 Jun 2020 14:27

Instrument :

MSVOA_N

ClientSampled :

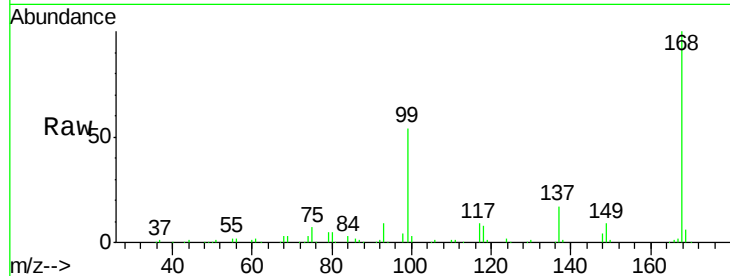
239988

Tot Ion:168 Resp: 290007

Ion Ratio Lower Upper

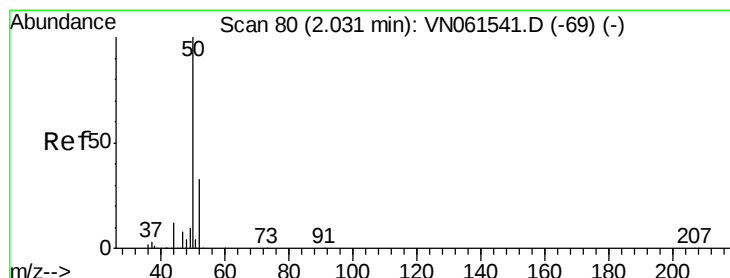
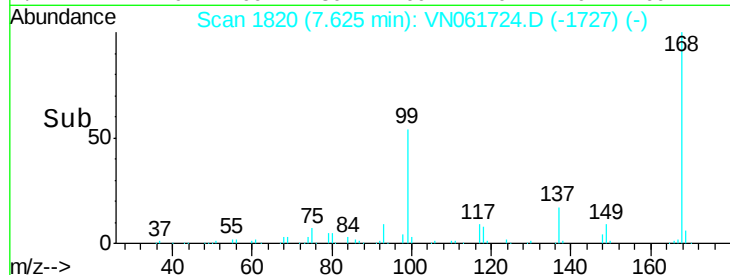
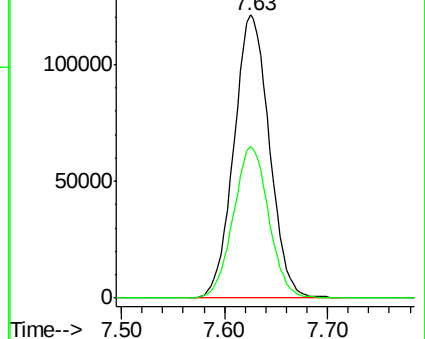
168 100

99 53.6 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#3

Chloromethane

Concen: 0.203 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.01 min

Lab File: VN061724.D

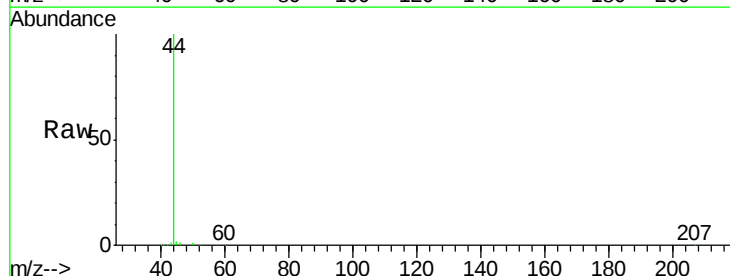
Acq: 9 Jun 2020 14:27

Tgt Ion: 50 Resp: 717

Ion Ratio Lower Upper

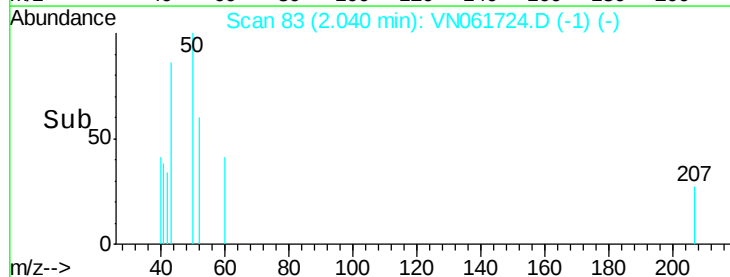
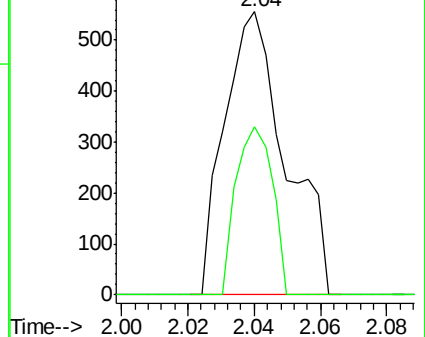
50 100

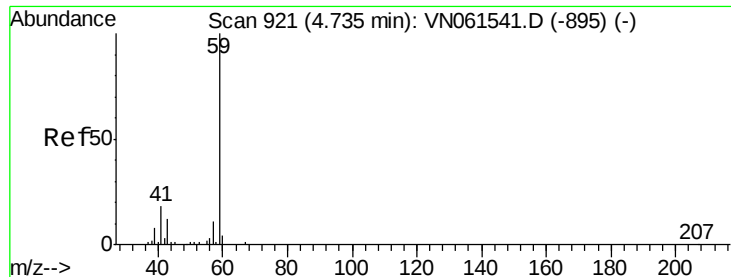
52 59.5 26.7 40.1#



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



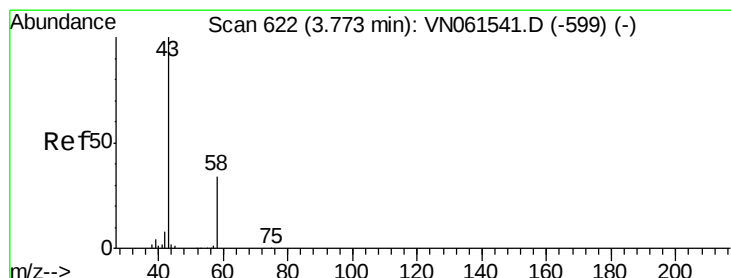
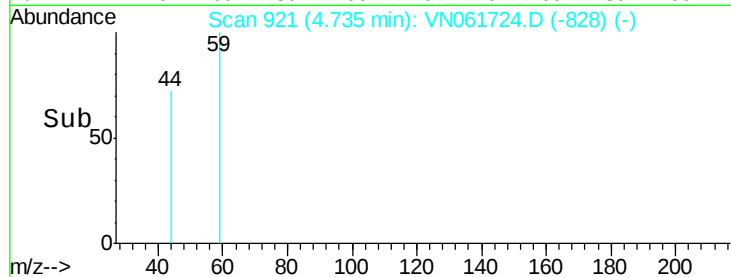
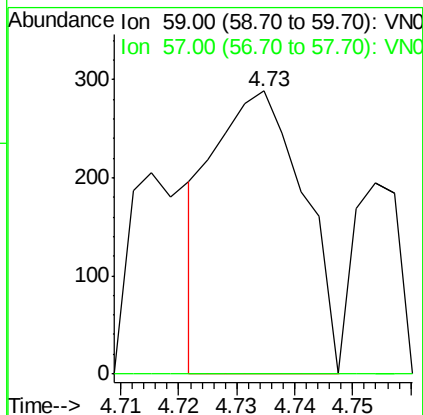
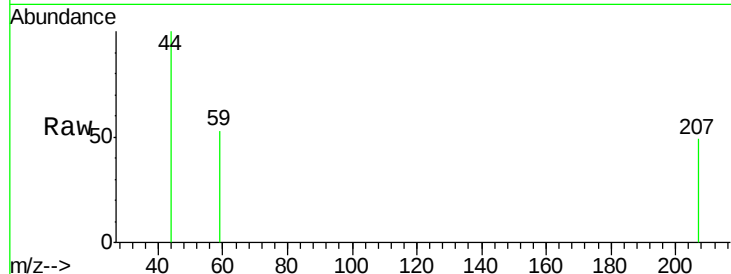


#11

Tert butyl alcohol
 Concen: 0.679 ug/l
 RT: 4.73 min Scan# 921
 Delta R.T. -0.00 min
 Lab File: VN061724.D
 Acq: 9 Jun 2020 14:27

Instrument :
 MSVOA_N
 ClientSampled :
 239988

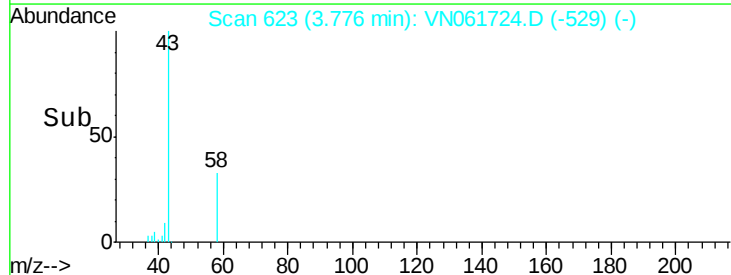
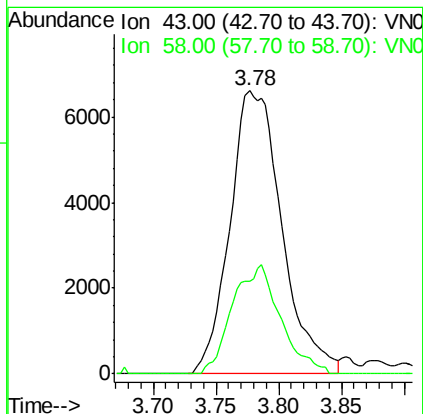
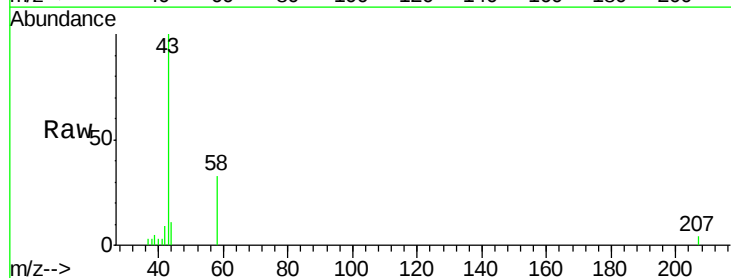
Tot Ion: 59 Resp: 312
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.4 12.6#

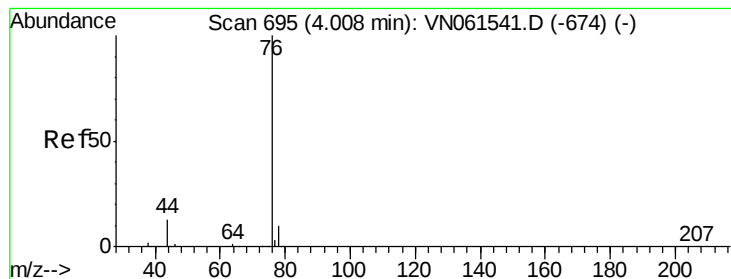


#16

Acetone
 Concen: 14.146 ug/l
 RT: 3.78 min Scan# 623
 Delta R.T. 0.00 min
 Lab File: VN061724.D
 Acq: 9 Jun 2020 14:27

Tgt Ion: 43 Resp: 19041
 Ion Ratio Lower Upper
 43 100
 58 32.5 27.2 40.8





#17

Carbon Disulfide

Concen: 0.722 ug/l

RT: 4.00 min Scan# 694

Delta R.T. -0.00 min

Lab File: VN061724.D

Acq: 9 Jun 2020 14:27

Instrument :

MSVOA_N

ClientSampled :

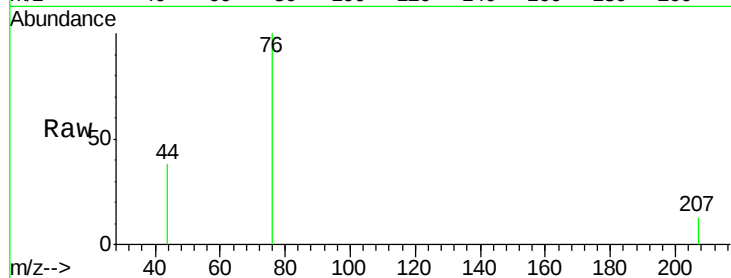
239988

Tot Ion: 76 Resp: 4709

Ion Ratio Lower Upper

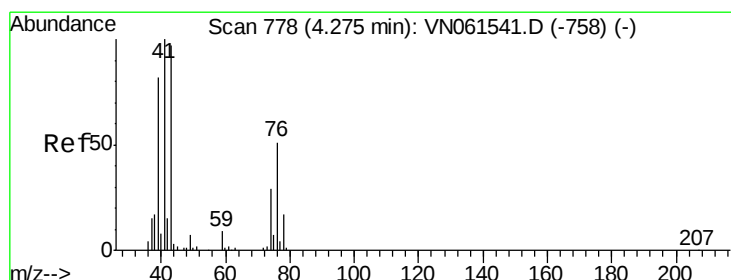
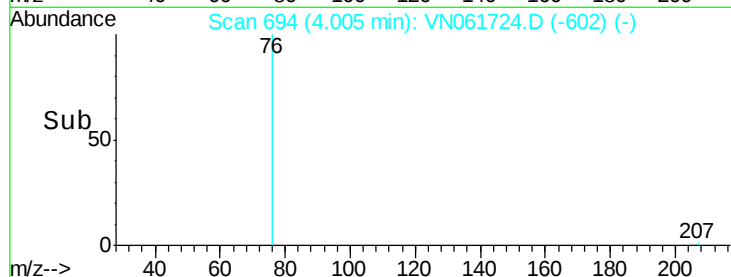
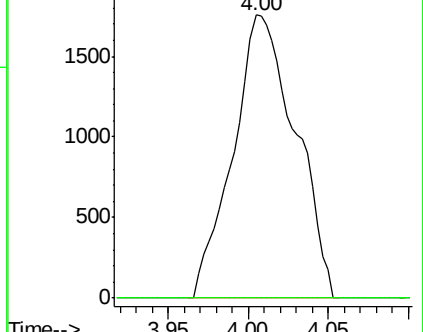
76 100

78 0.0 7.8 11.6#



Abundance Ion 75.90 (75.60 to 76.60): VN061541.D (-674) (-)

Ion 77.90 (77.60 to 78.60): VN061541.D (-674) (-)



#18

Methyl Acetate

Concen: 0.661 ug/l

RT: 4.29 min Scan# 783

Delta R.T. 0.02 min

Lab File: VN061724.D

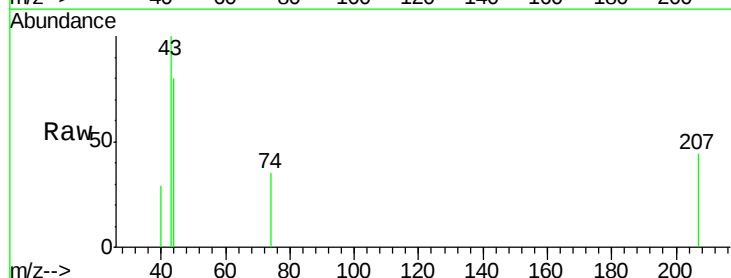
Acq: 9 Jun 2020 14:27

Tgt Ion: 43 Resp: 2067

Ion Ratio Lower Upper

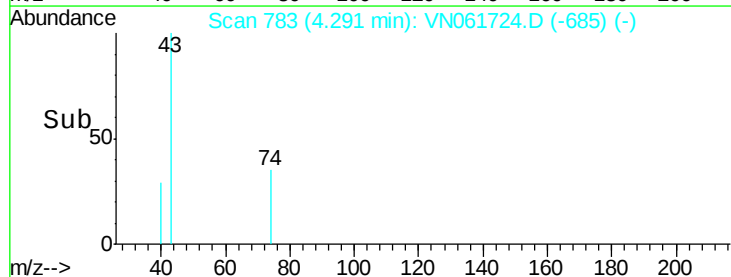
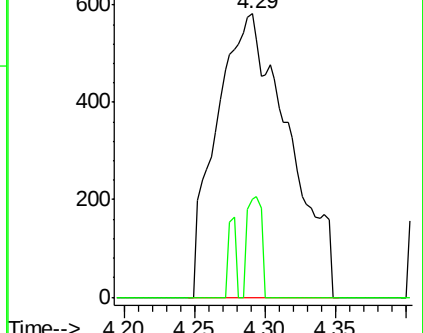
43 100

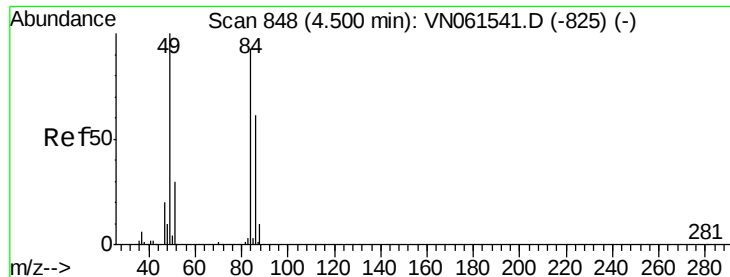
74 7.2 23.2 34.8#



Abundance Ion 43.00 (42.70 to 43.70): VN061541.D (-758) (-)

Ion 74.00 (73.70 to 74.70): VN061541.D (-758) (-)

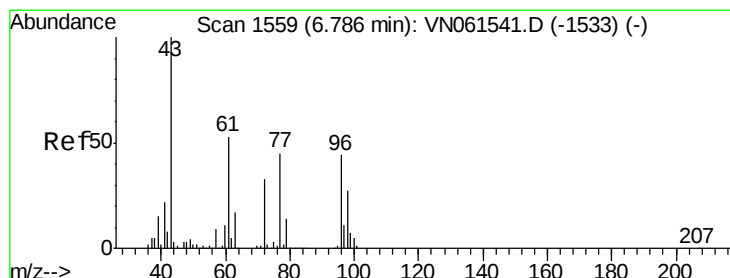
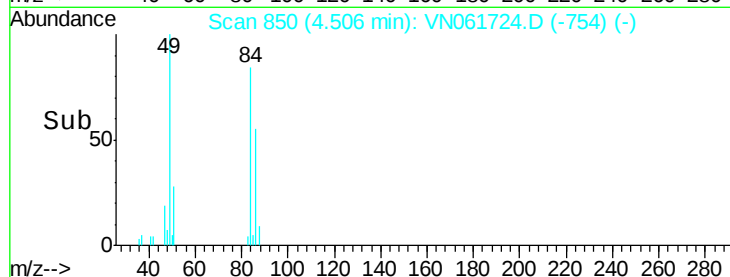
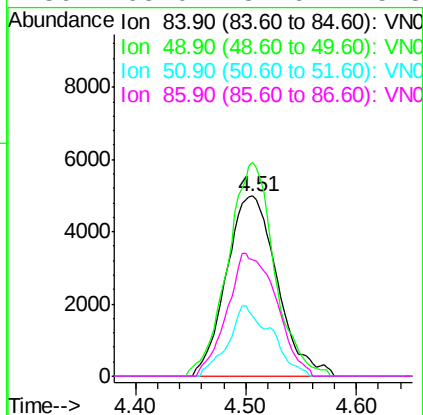
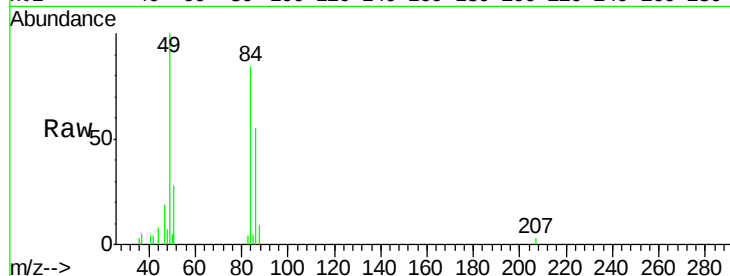




#20
Methvlene Chloride
Concen: 3.450 ug/l
RT: 4.51 min Scan# 850
Delta R.T. 0.01 min
Lab File: VN061724.D
Acq: 9 Jun 2020 14:27

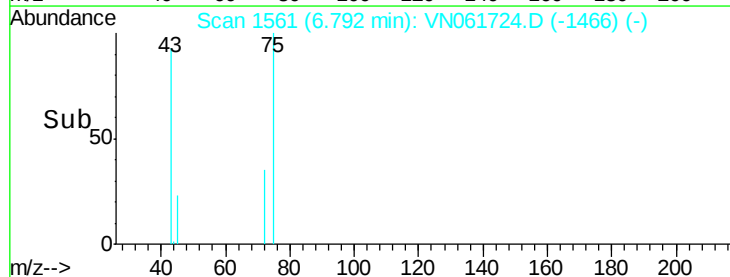
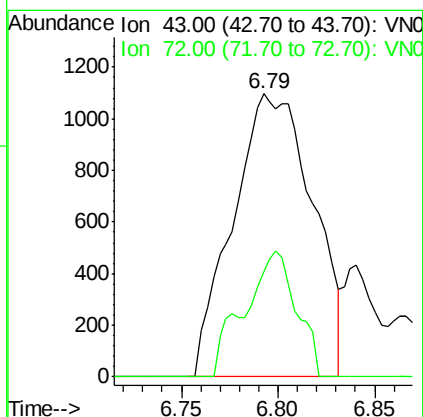
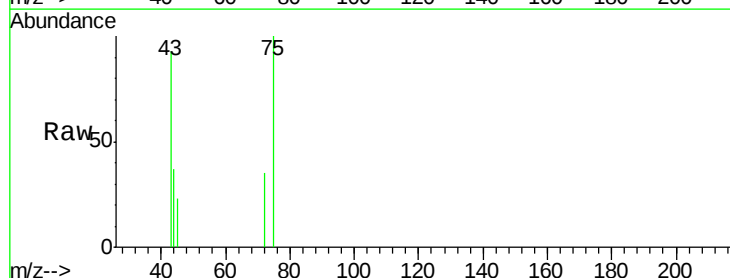
Instrument :
MSVOA_N
ClientSampleId :
239988

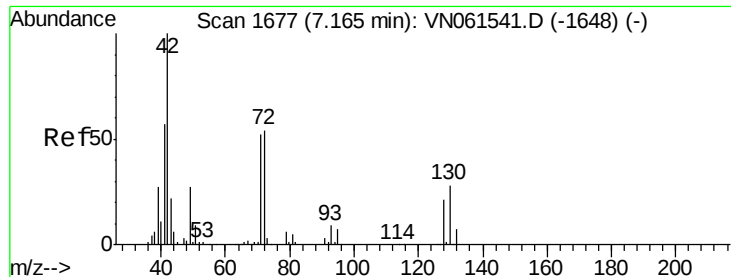
Tot Ion:	84	Resp:	15921
Ion	Ratio	Lower	Upper
84	100		
49	118.6	85.8	128.8
51	33.4	26.2	39.2
86	65.0	52.6	78.8



#25
2-Butanone
Concen: 1.923 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. 0.01 min
Lab File: VN061724.D
Acq: 9 Jun 2020 14:27

Tgt Ion:	43	Resp:	3149
Ion	Ratio	Lower	Upper
43	100		
72	37.3	26.0	39.0

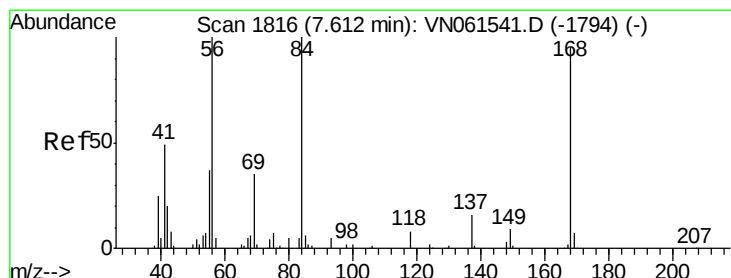
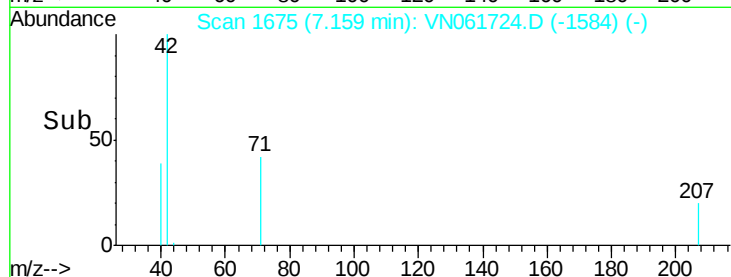
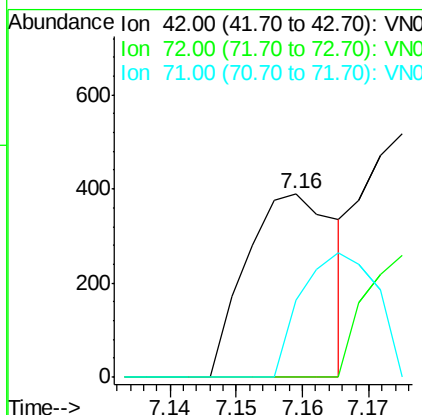
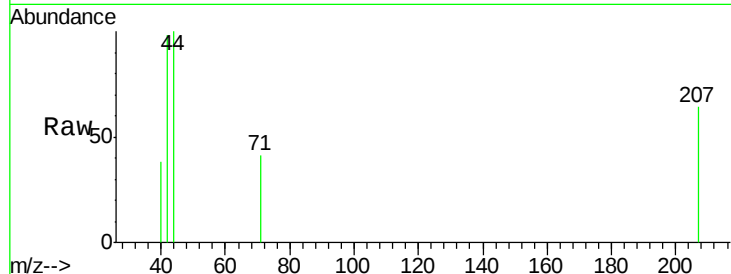




#29
Tetrahydrofuran
Concen: 0.339 ug/l
RT: 7.16 min Scan# 1675
Delta R.T. -0.01 min
Lab File: VN061724.D
Acq: 9 Jun 2020 14:27

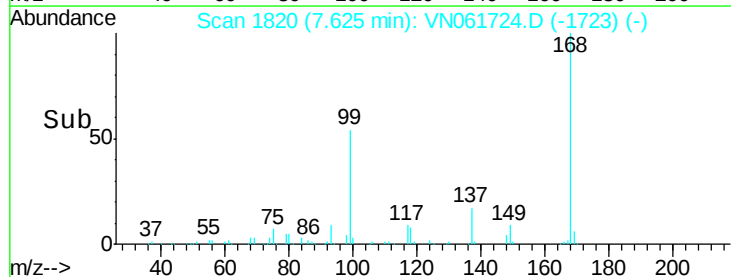
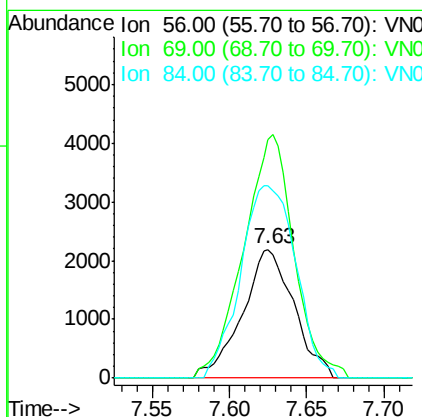
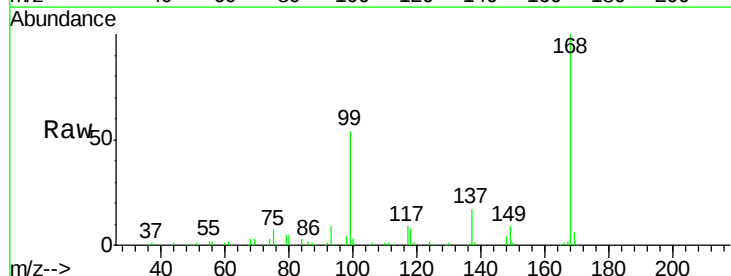
Instrument :
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239988

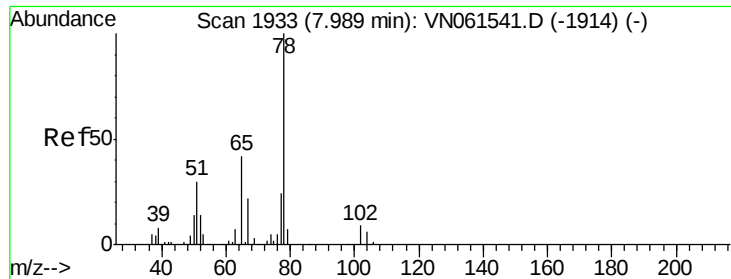
Tot Ion: 42 Resp: 366
Ion Ratio Lower Upper
42 100
72 0.0 43.6 65.4#
71 57.1 41.2 61.8



#31
Cyclohexane
Concen: 1.045 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. 0.01 min
Lab File: VN061724.D
Acq: 9 Jun 2020 14:27

Tgt Ion: 56 Resp: 5090
Ion Ratio Lower Upper
56 100
69 185.2 27.8 41.8#
84 149.8 79.9 119.9#





#33

1,2-Dichloroethane-d4

Concen: 48.823 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. -0.00 min

Lab File: VN061724.D

Acq: 9 Jun 2020 14:27

Instrument :

MSVOA_N

ClientSampled :

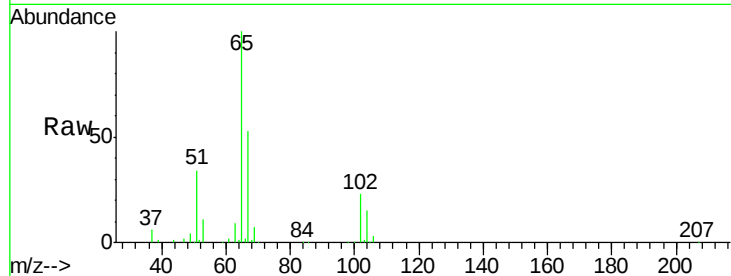
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Tot Ion: 65 Resp: 168697

Ion Ratio Lower Upper

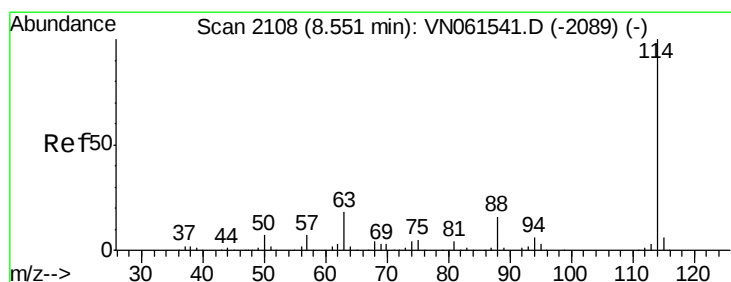
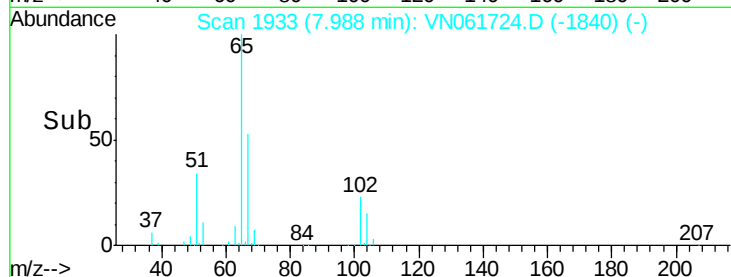
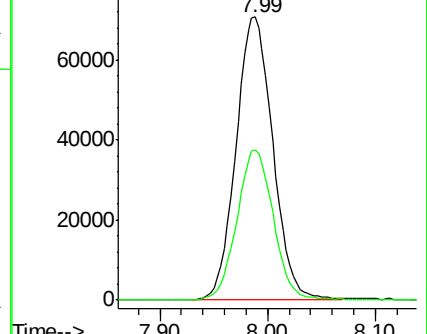
65 100

67 52.5 0.0 104.8



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. -0.00 min

Lab File: VN061724.D

Acq: 9 Jun 2020 14:27

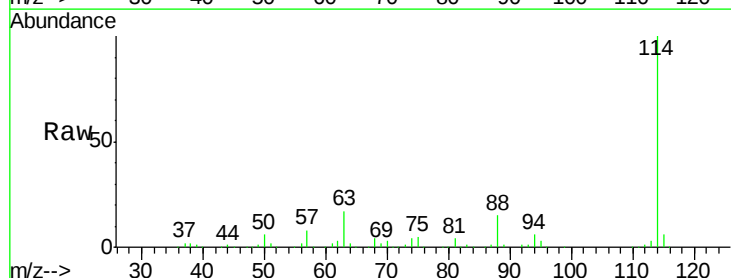
Tgt Ion: 114 Resp: 502629

Ion Ratio Lower Upper

114 100

63 17.4 0.0 35.8

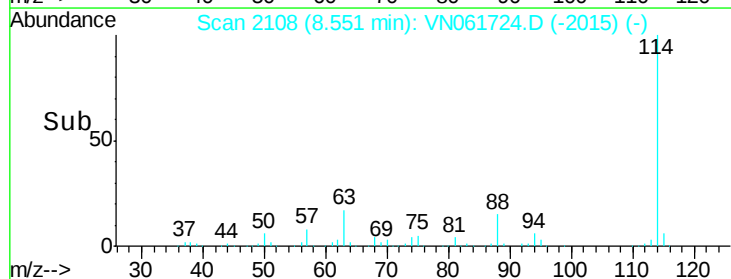
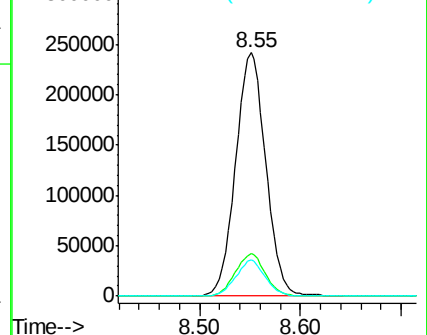
88 14.7 0.0 31.0

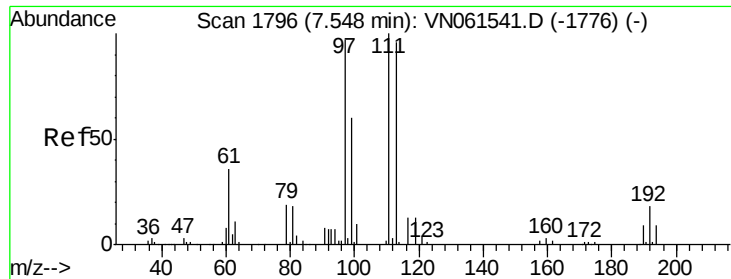


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0





#35

Dibromofluoromethane

Concen: 56.867 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VN061724.D

Acq: 9 Jun 2020 14:27

Instrument :

MSVOA_N

ClientSampleId :

239988

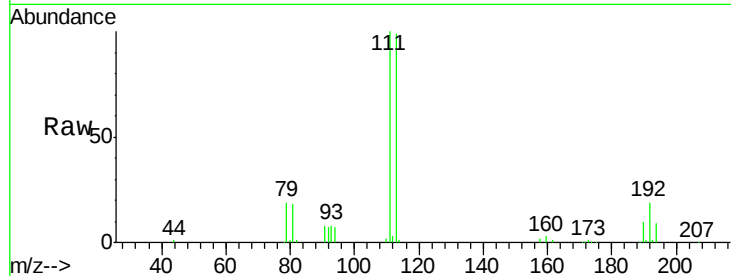
Tot Ion:113 Resp: 144997

Ion Ratio Lower Upper

113 100

111 104.4 83.4 125.0

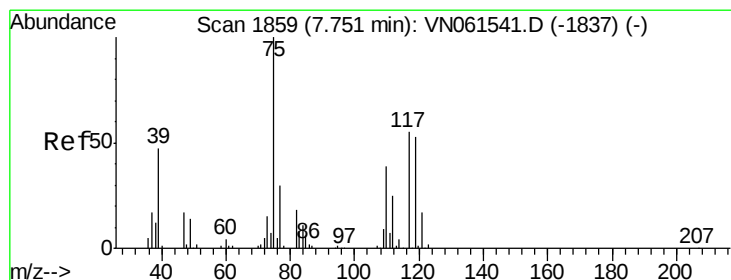
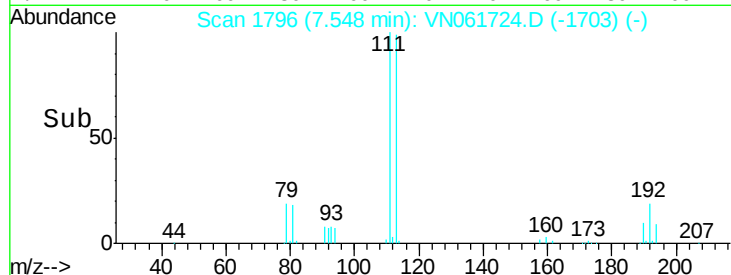
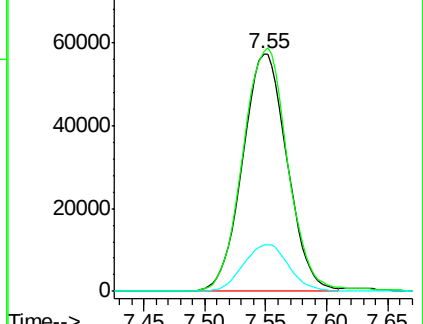
192 20.1 15.4 23.2



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: 4.471 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.13 min

Lab File: VN061724.D

Acq: 9 Jun 2020 14:27

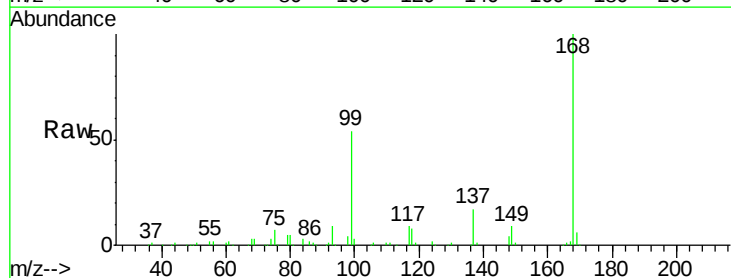
Tgt Ion: 75 Resp: 19895

Ion Ratio Lower Upper

75 100

110 10.7 19.5 58.5#

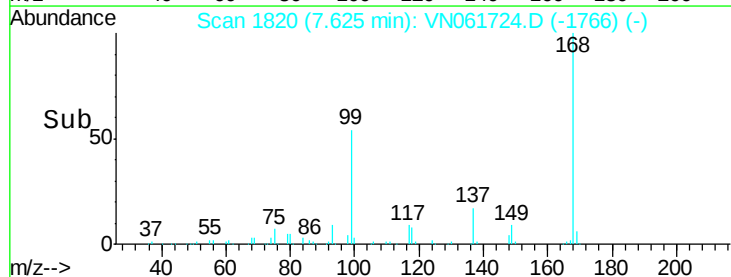
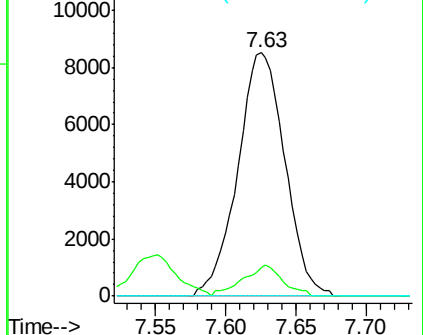
77 0.0 24.7 37.1#

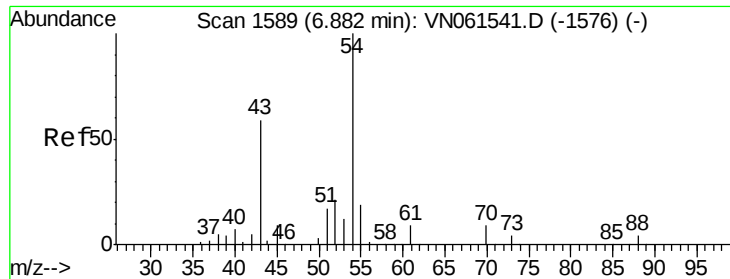


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

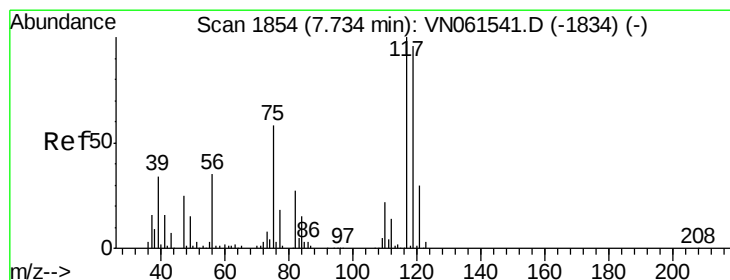
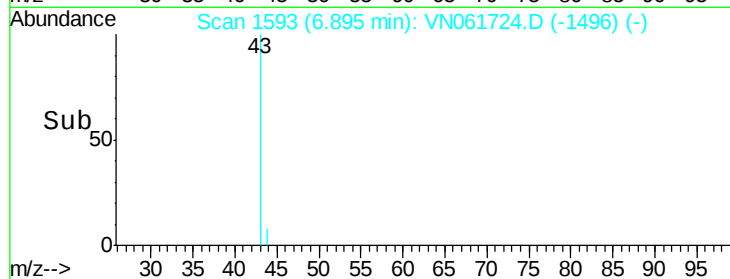
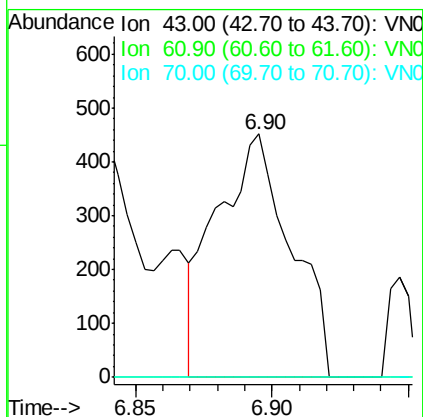
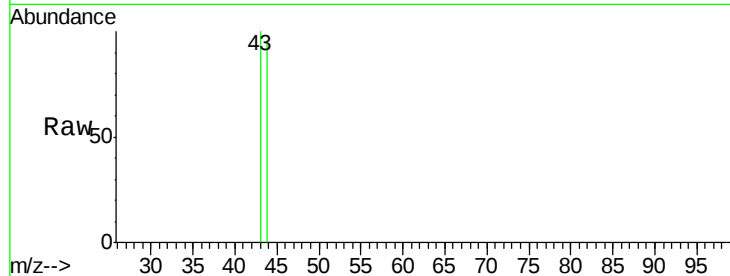




#37
Ethyl Acetate
Concen: 0.239 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. 0.01 min
Lab File: VN061724.D
Acq: 9 Jun 2020 14:27

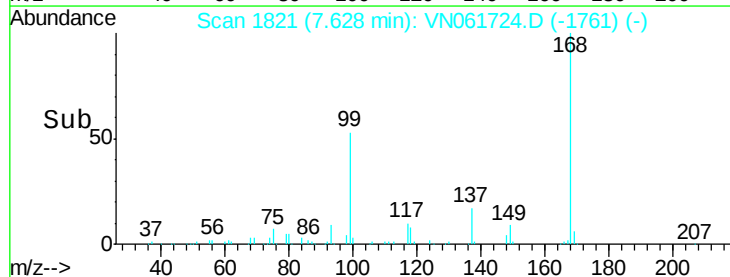
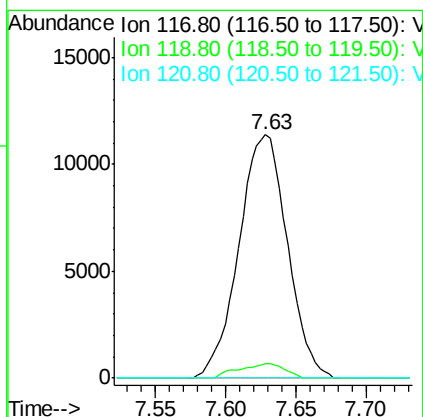
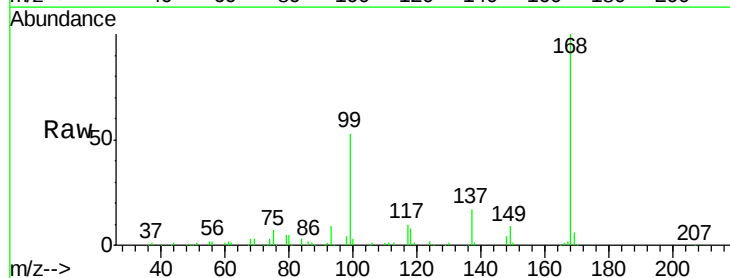
Instrument :
MSVOA_N
ClientSampleId :
239988

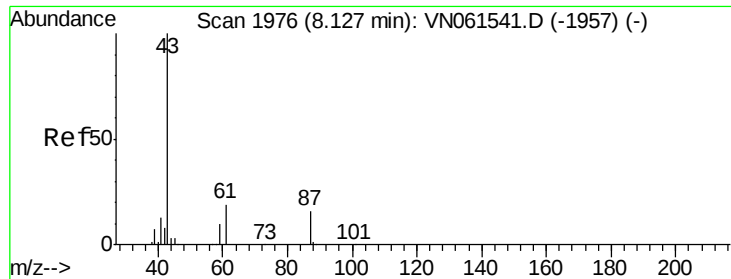
Tot Ion: 43 Resp: 855
Ion Ratio Lower Upper
43 100
61 0.0 12.2 18.4#
70 0.0 9.4 14.2#



#38
Carbon Tetrachloride
Concen: 6.376 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. -0.11 min
Lab File: VN061724.D
Acq: 9 Jun 2020 14:27

Tgt Ion: 117 Resp: 27366
Ion Ratio Lower Upper
117 100
119 5.9 76.5 114.7#
121 0.0 24.1 36.1#





#43

Isopropyl Acetate

Concen: 8.691 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. -0.00 min

Lab File: VN061724.D

Acq: 9 Jun 2020 14:27

Instrument :

MSVOA_N

ClientSampleId :

239988

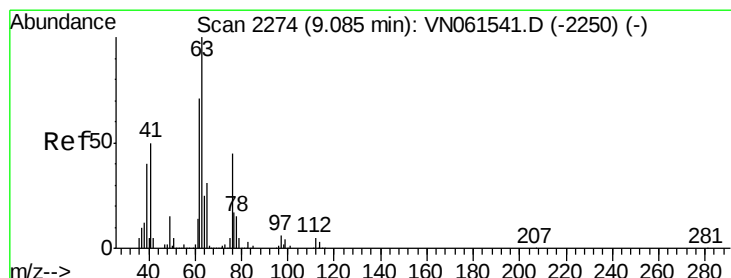
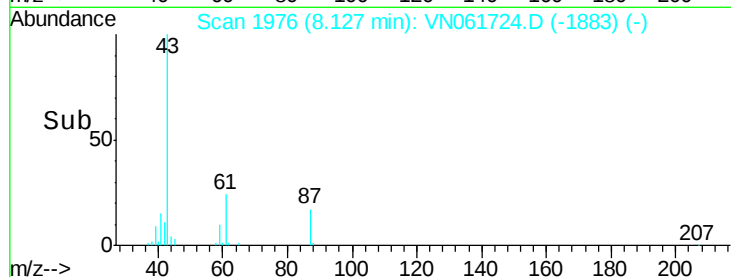
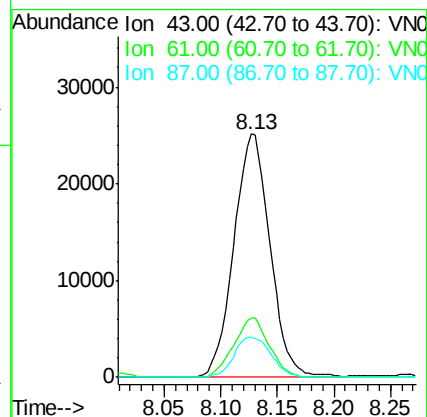
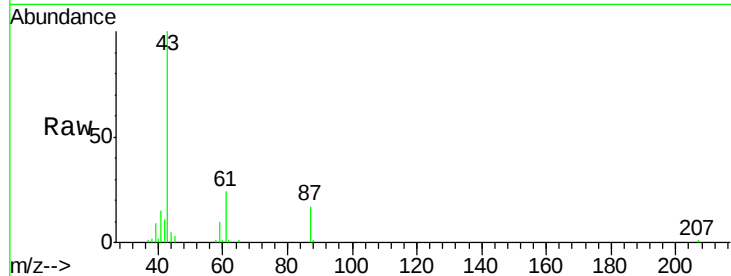
Tot Ion: 43 Resp: 56038

Ion Ratio Lower Upper

43 100

61 23.7 23.6 35.4

87 16.8 13.0 19.6



#45

1,2-Dichloropropane

Concen: 0.404 ug/l

RT: 9.23 min Scan# 2319

Delta R.T. 0.14 min

Lab File: VN061724.D

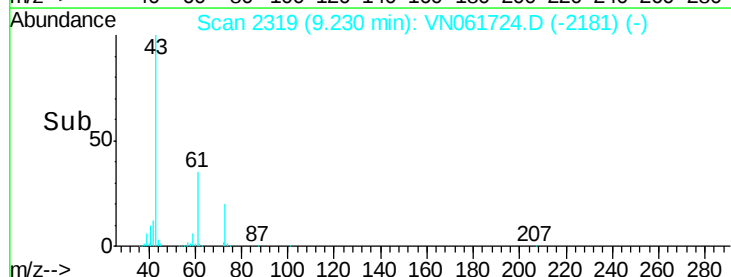
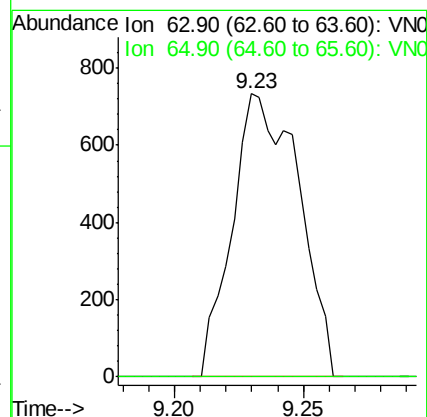
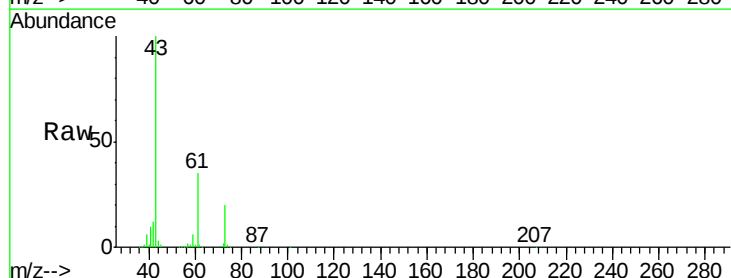
Acq: 9 Jun 2020 14:27

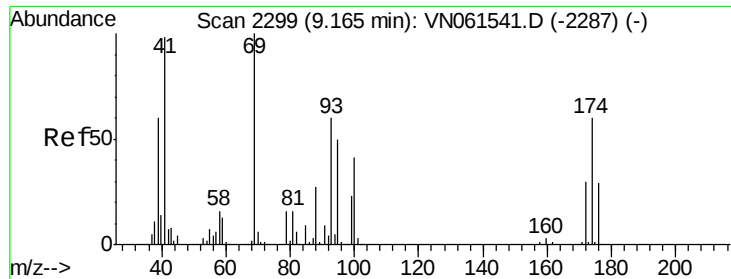
Tgt Ion: 63 Resp: 1318

Ion Ratio Lower Upper

63 100

65 0.0 24.7 37.1#

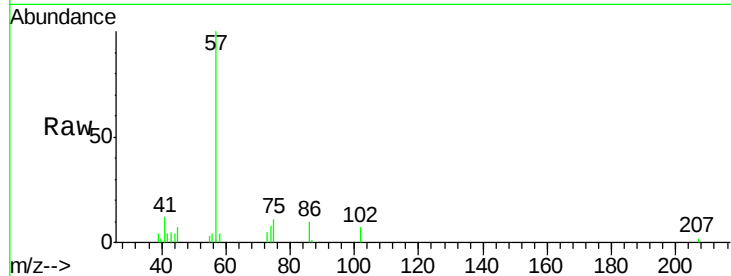




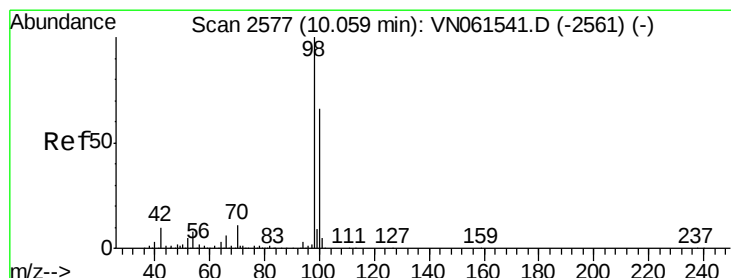
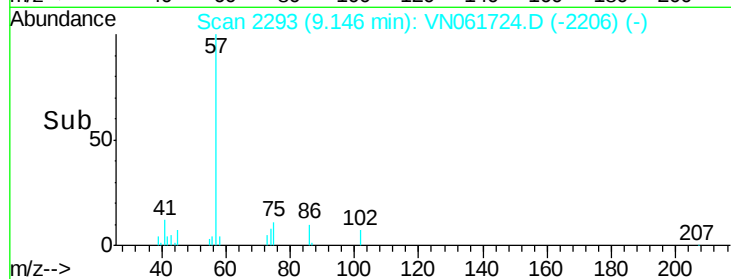
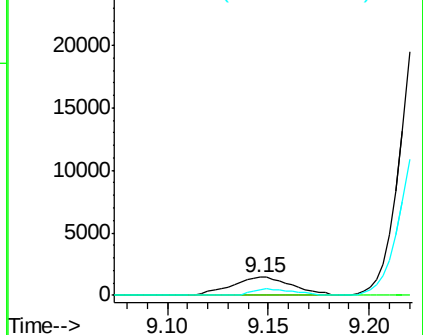
#48
Methvl methacrylate
Concen: 1.022 ug/l
RT: 9.15 min Scan# 2293
Delta R.T. -0.02 min
Lab File: VN061724.D
Acq: 9 Jun 2020 14:27

Instrument :
MSVOA_N
ClientSampled :
239988

Tot Ion: 41 Resp: 2964
Ion Ratio Lower Upper
41 100
69 0.0 83.9 125.9#
39 0.0 52.1 78.1#

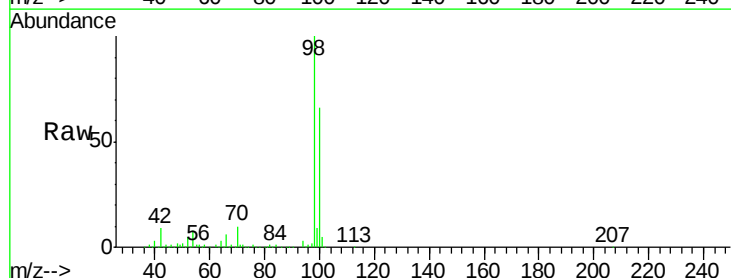


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

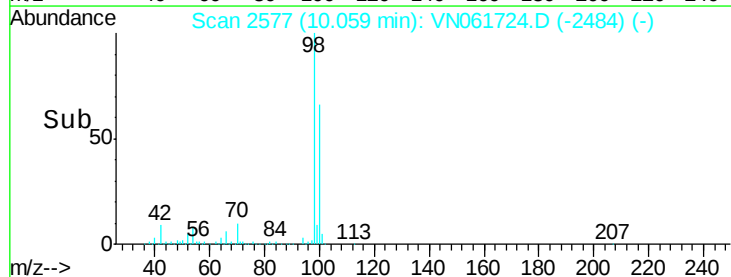
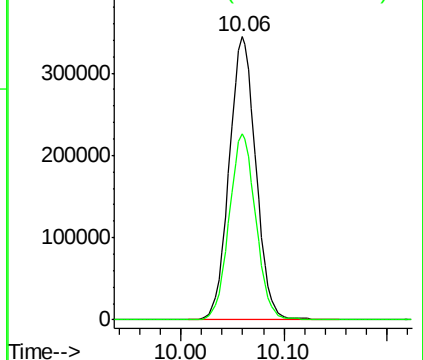


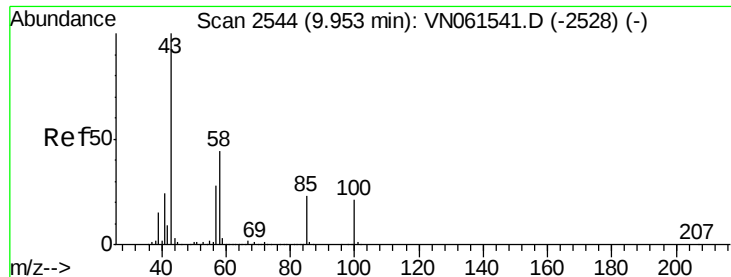
#50
Toluene-d8
Concen: 52.538 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN061724.D
Acq: 9 Jun 2020 14:27

Tgt Ion: 98 Resp: 620785
Ion Ratio Lower Upper
98 100
100 65.4 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0

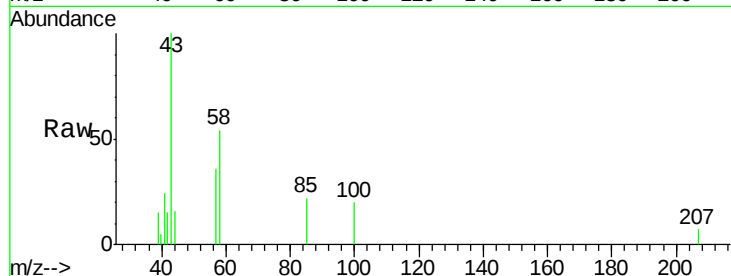




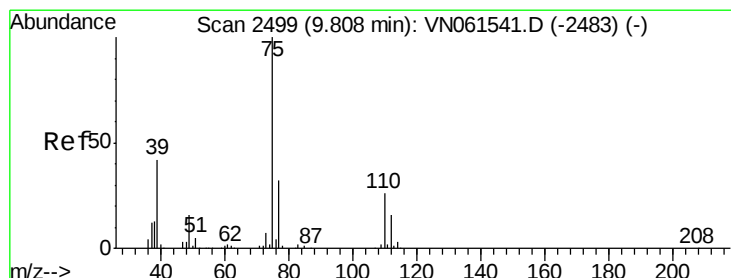
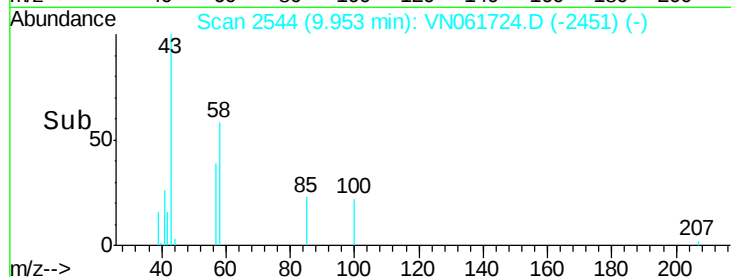
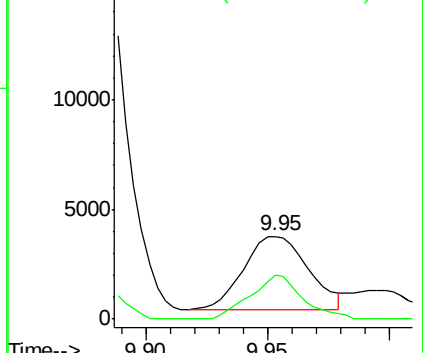
#51
 4-Methyl-2-Pentanone
 Concen: 1.715 ug/l
 RT: 9.95 min Scan# 2544
 Delta R.T. -0.00 min
 Lab File: VN061724.D
 Acq: 9 Jun 2020 14:27

Instrument :
 MSVOA_N
 ClientSampled :
 239988

Tot Ion: 43 Resp: 6232
 Ion Ratio Lower Upper
 43 100
 58 47.9 35.0 52.6

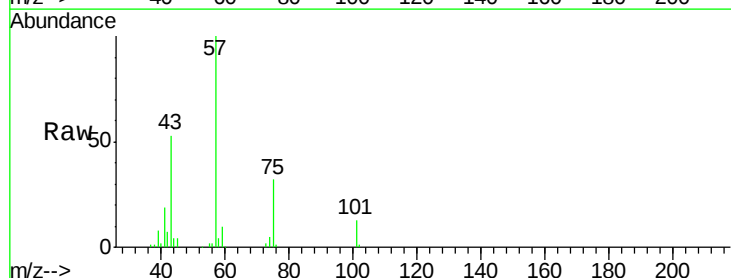


Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

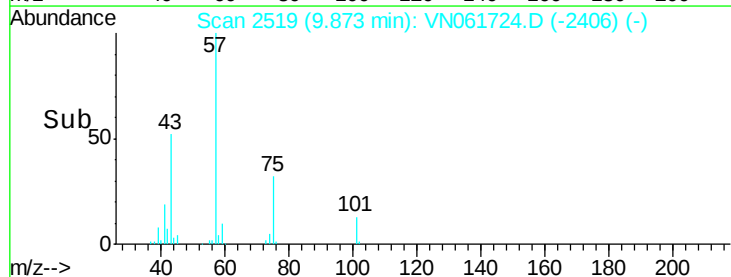
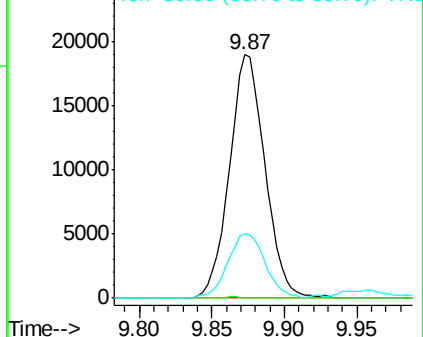


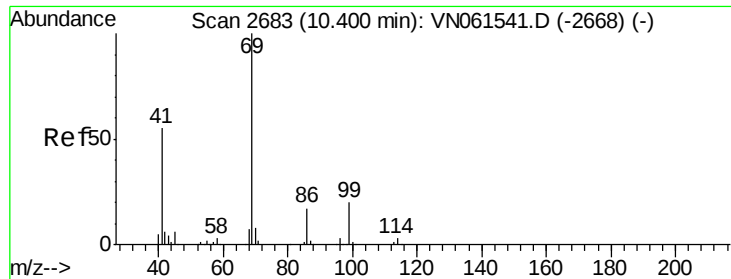
#54
 cis-1,3-Dichloropropene
 Concen: 5.631 ug/l
 RT: 9.87 min Scan# 2519
 Delta R.T. 0.06 min
 Lab File: VN061724.D
 Acq: 9 Jun 2020 14:27

Tgt Ion: 75 Resp: 32308
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.2#
 39 26.3 33.8 50.6#



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: 0.239 ug/l

RT: 10.51 min Scan# 2718

Delta R.T. 0.11 min

Lab File: VN061724.D

Acq: 9 Jun 2020 14:27

Instrument :

MSVOA_N

ClientSampled :

239988

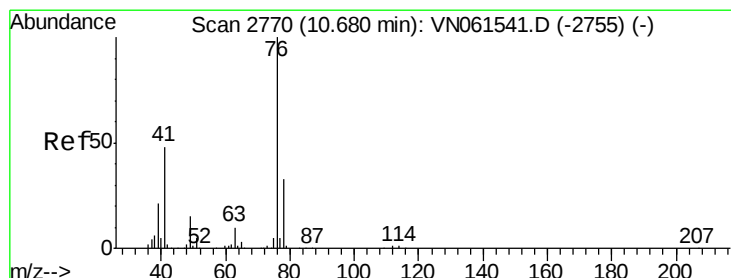
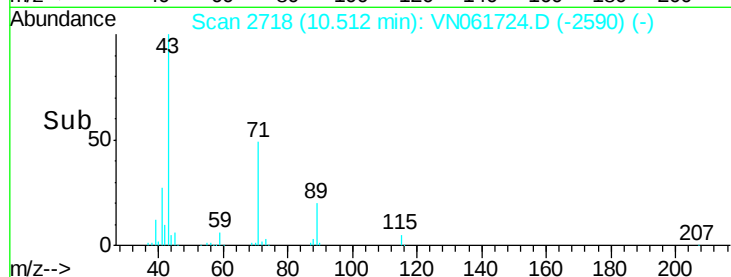
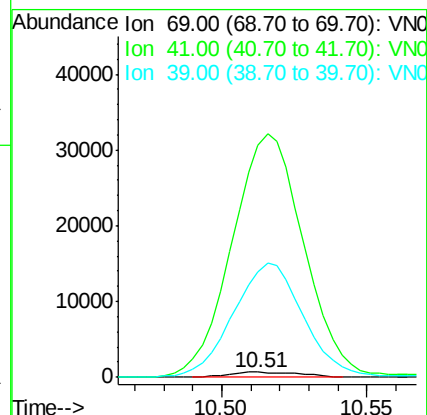
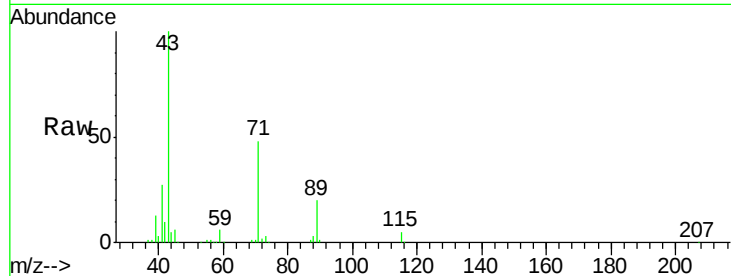
Tot Ion: 69 Resp: 1190

Ion Ratio Lower Upper

69 100

41 4651.4 43.5 65.3#

39 2137.6 27.0 40.6#



#57

1,3-Dichloropropane

Concen: 0.960 ug/l

RT: 10.74 min Scan# 2788

Delta R.T. 0.06 min

Lab File: VN061724.D

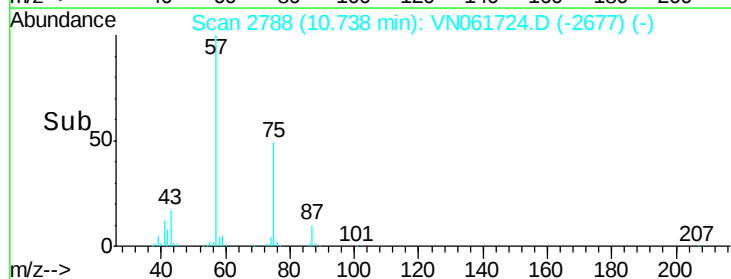
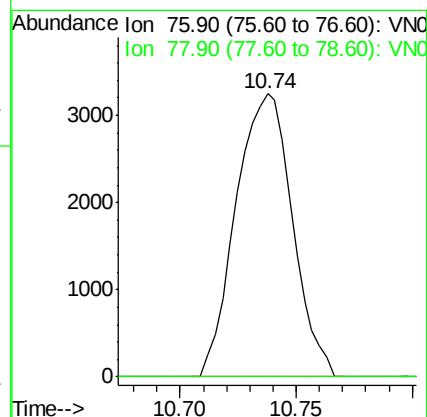
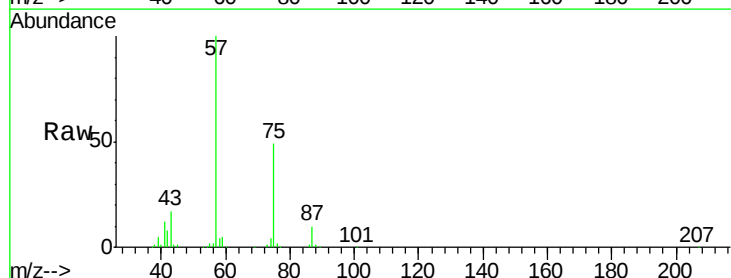
Acq: 9 Jun 2020 14:27

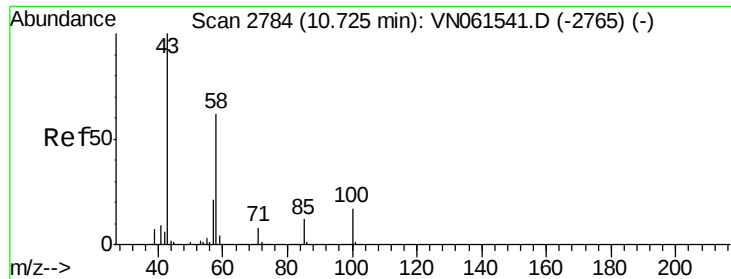
Tgt Ion: 76 Resp: 5484

Ion Ratio Lower Upper

76 100

78 0.0 26.3 39.5#

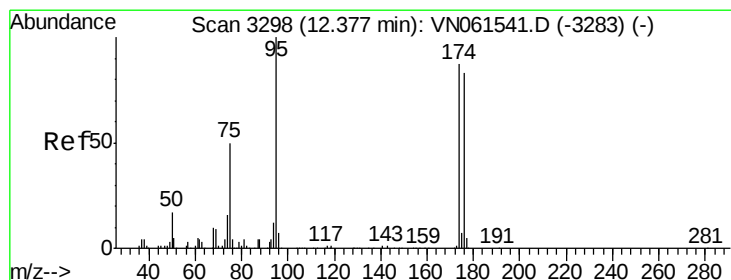
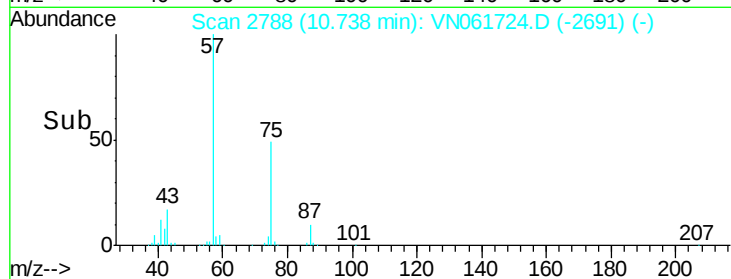
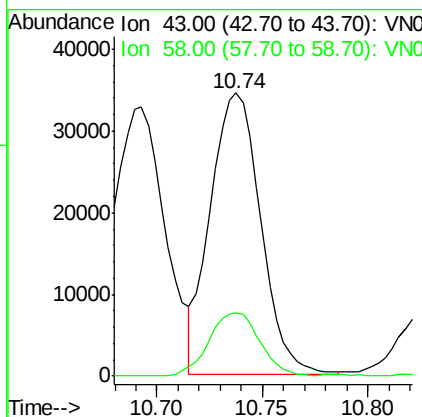
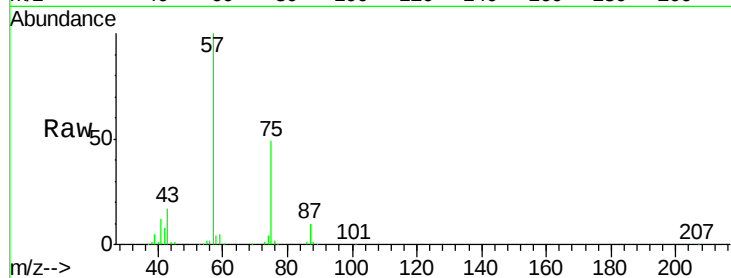




#59
2-Hexanone
Concen: 21.887 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. 0.01 min
Lab File: VN061724.D
Acq: 9 Jun 2020 14:27

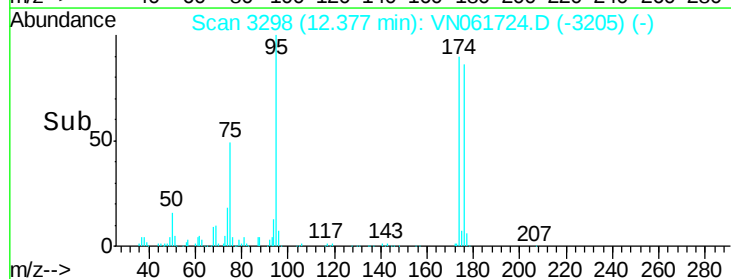
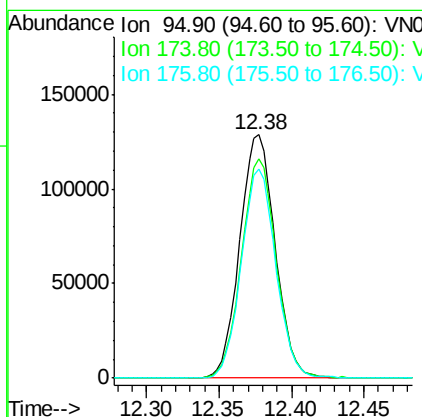
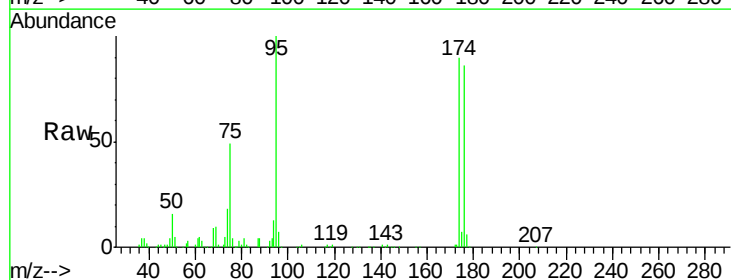
Instrument :
MSVOA_N
ClientSampled :
239988

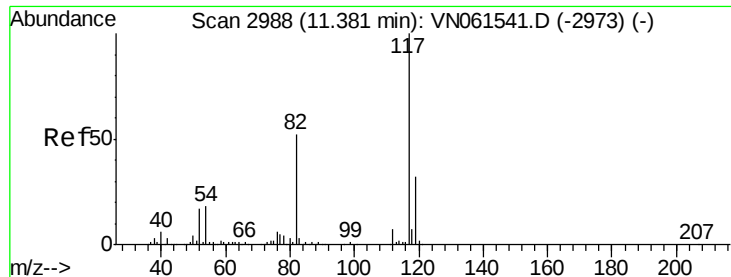
Tot Ion: 43 Resp: 57113
Ion Ratio Lower Upper
43 100
58 22.7 30.7 92.1#



#62
4-Bromofluorobenzene
Concen: 50.696 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.00 min
Lab File: VN061724.D
Acq: 9 Jun 2020 14:27

Tgt Ion: 95 Resp: 218540
Ion Ratio Lower Upper
95 100
174 88.4 0.0 172.8
176 84.0 0.0 164.8

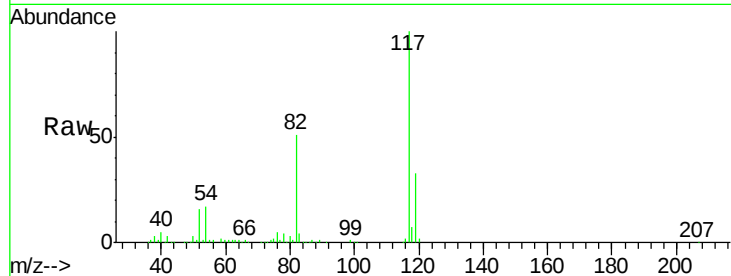




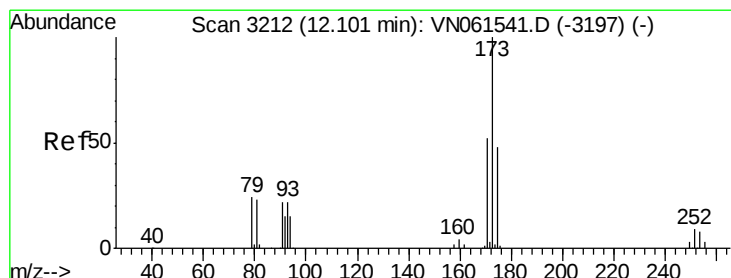
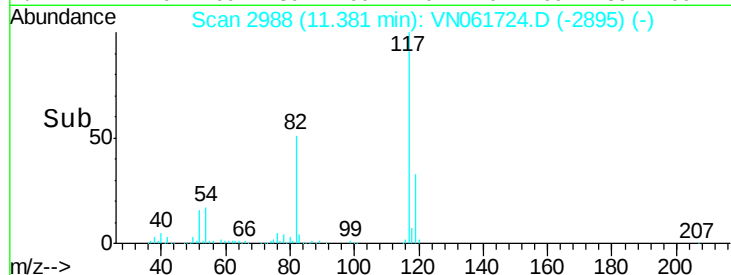
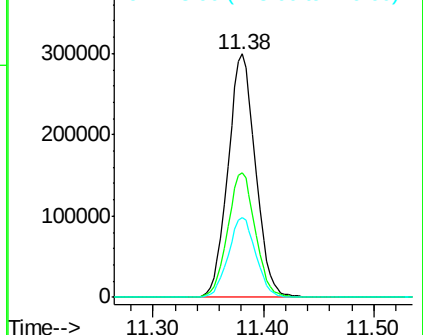
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN061724.D
Acq: 9 Jun 2020 14:27

Instrument :
MSVOA_N
ClientSampleId :
239988

Tot Ion:117 Resp: 516962
Ion Ratio Lower Upper
117 100
82 51.4 41.5 62.3
119 33.0 25.6 38.4

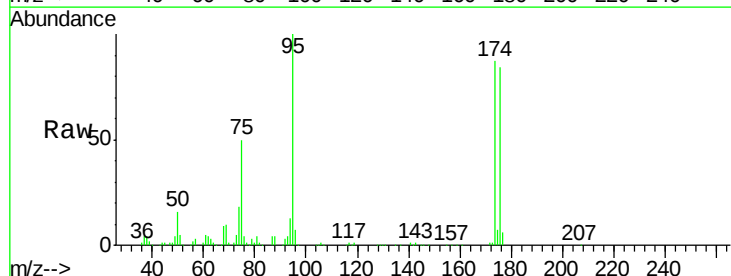


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

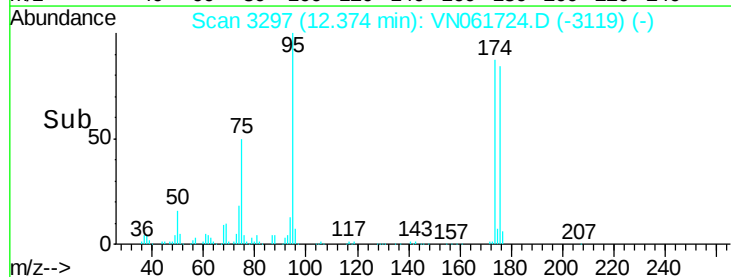
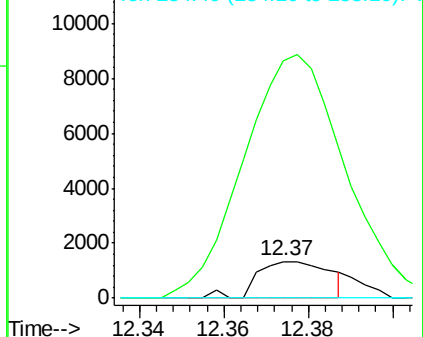


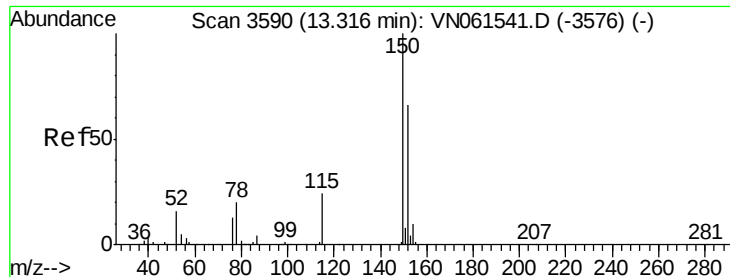
#71
Bromoform
Concen: 0.516 ug/l
RT: 12.37 min Scan# 3297
Delta R.T. 0.27 min
Lab File: VN061724.D
Acq: 9 Jun 2020 14:27

Tgt Ion:173 Resp: 1590
Ion Ratio Lower Upper
173 100
175 793.5 24.4 73.2#
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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN061724.D

Acq: 9 Jun 2020 14:27

Instrument :

MSVOA_N

ClientSampleId :

239988

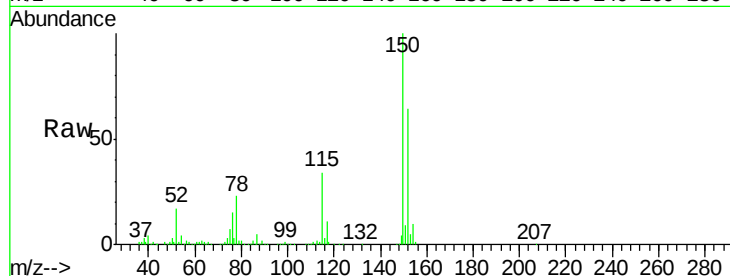
Tot Ion:152 Resp: 230232

Ion Ratio Lower Upper

152 100

115 56.0 28.0 84.0

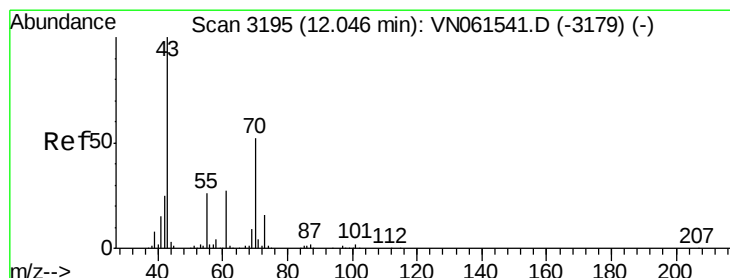
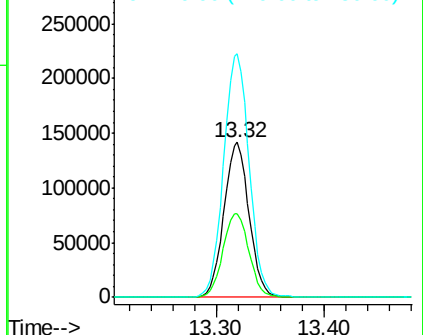
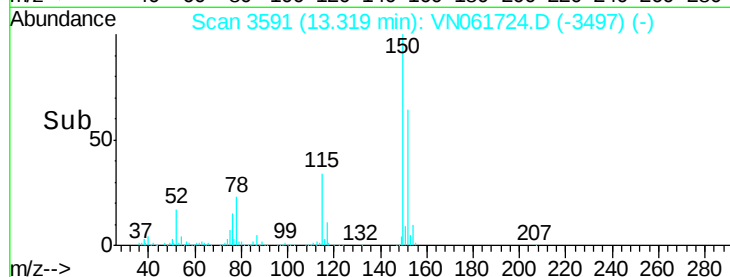
150 159.8 0.0 344.0



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: 0.677 ug/l

RT: 12.01 min Scan# 3184

Delta R.T. -0.04 min

Lab File: VN061724.D

Acq: 9 Jun 2020 14:27

Tgt Ion: 43 Resp: 3585

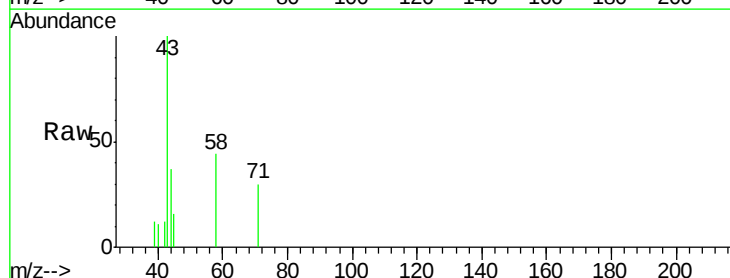
Ion Ratio Lower Upper

43 100

70 0.0 40.5 60.7#

55 0.0 20.6 31.0#

61 0.0 21.8 32.6#

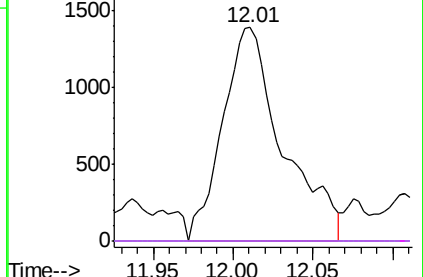
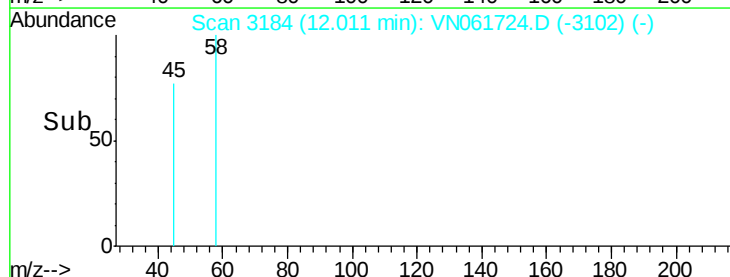


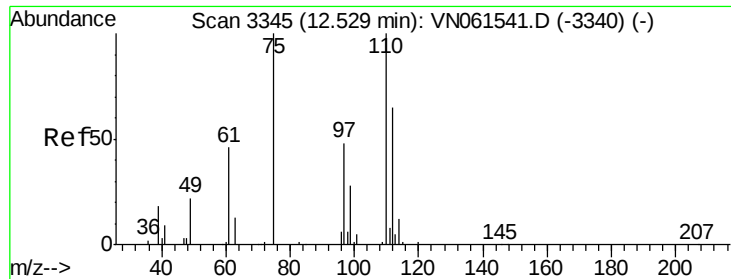
Abundance Ion 43.00 (42.70 to 43.70): V

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

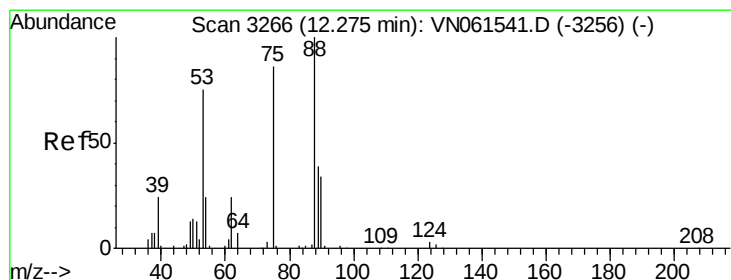
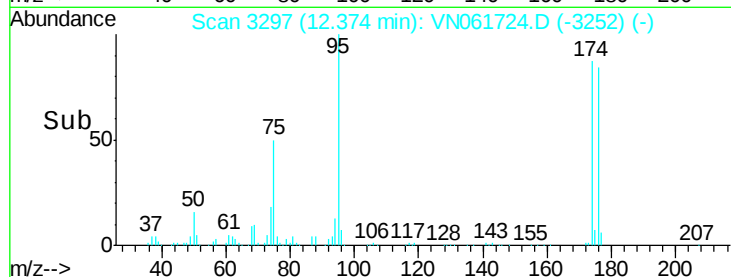
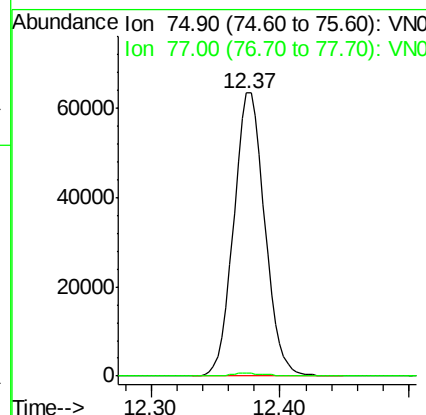
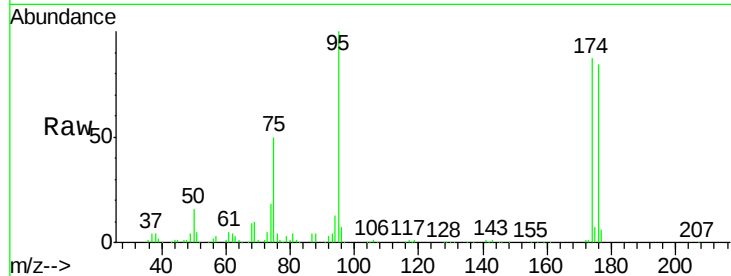




#76
 1,2,3-Trichloropropane
 Concen: 25.305 ug/l
 RT: 12.37 min Scan# 3297
 Delta R.T. -0.15 min
 Lab File: VN061724.D
 Acq: 9 Jun 2020 14:27

Instrument :
 MSVOA_N
 ClientSampled :
 239988

Tot Ion: 75 Resp: 105940
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 64.712 ug/l
 RT: 12.37 min Scan# 3297
 Delta R.T. 0.10 min
 Lab File: VN061724.D
 Acq: 9 Jun 2020 14:27

Tgt Ion: 75 Resp: 105940
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.8 101.8#
 89 0.0 37.1 55.7#

