

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052120\
 Data File : VN061532.D
 Acq On : 21 May 2020 15:50
 Operator : JC/MD
 Sample : PB129027ZHE#06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 22 07:16:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051820W.M
 Quant Title : SW846 8260
 QLast Update : Mon May 18 13:09:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	301674	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	552694	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	557821	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	247954	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	201509	44.76	ug/l	0.00
Spiked Amount			Recovery	=	89.52%	
35) Dibromofluoromethane	7.55	113	146081	50.45	ug/l	0.00
Spiked Amount			Recovery	=	100.90%	
50) Toluene-d8	10.06	98	691200	51.47	ug/l	0.00
Spiked Amount			Recovery	=	102.94%	
62) 4-Bromofluorobenzene	12.37	95	264235	52.66	ug/l	0.00
Spiked Amount			Recovery	=	105.32%	

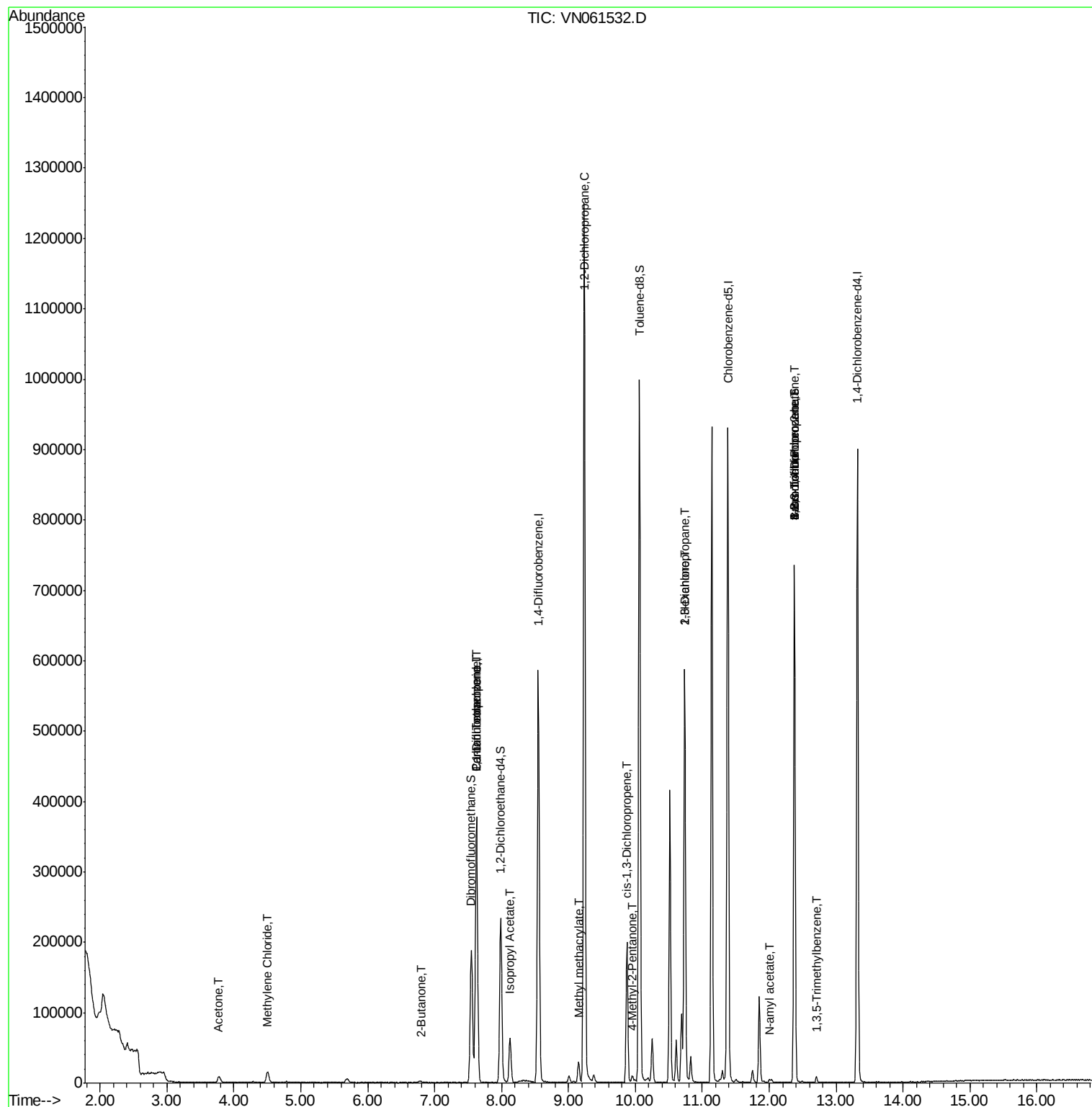
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.54	94	516	Below Cal		91
13) Acrolein	3.57	56	31	Below Cal	#	16
16) Acetone	3.78	43	15366	1.990	ug/l	94
17) Carbon Disulfide	4.01	76	132	Below Cal	#	75
18) Methyl Acetate	4.26	43	612	Below Cal		93
20) Methylene Chloride	4.51	84	12010	3.246	ug/l	91
25) 2-Butanone	6.80	43	2204	1.075	ug/l	96
31) Cyclohexane	7.63	56	6254	Below Cal	#	5
36) 1,1-Dichloropropene	7.63	75	23794	4.604	ug/l	# 50
38) Carbon Tetrachloride	7.63	117	32026	6.730	ug/l	# 15
43) Isopropyl Acetate	8.13	43	73519	8.994	ug/l	# 90
45) 1,2-Dichloropropane	9.24	63	1604	0.411	ug/l	# 43
48) Methyl methacrylate	9.14	41	3627	0.960	ug/l	# 9
51) 4-Methyl-2-Pentanone	9.95	43	6142	1.379	ug/l	99
54) cis-1,3-Dichloropropene	9.88	75	39530	5.893	ug/l	# 59
57) 1,3-Dichloropropane	10.73	76	6692	1.024	ug/l	# 42
59) 2-Hexanone	10.74	43	79136	24.564	ug/l	# 51
71) Bromoform	12.37	173	1996	2.624	ug/l	# 1
74) N-amyl acetate	12.00	43	3684	0.506	ug/l	# 41
76) 1,2,3-Trichloropropane	12.38	75	133723	25.134	ug/l	# 100
80) 1,3,5-Trimethylbenzene	12.71	105	4387	0.269	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.38	75	133723	66.674	ug/l	# 12

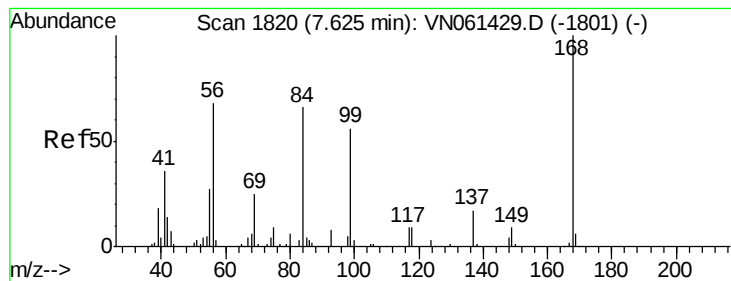
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N051820W.M
Quant Title : SW846 8260
QLast Update : Mon May 18 13:09:55 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: VN061532.D

Acq: 21 May 2020 15:50

Instrument :

MSVOA_N

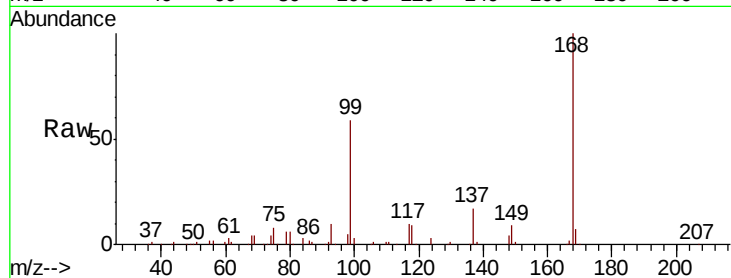
ClientSampled :

Tot Ion:168 Resp: 301674

Ion Ratio Lower Upper

168 100

99 59.5 51.1 76.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

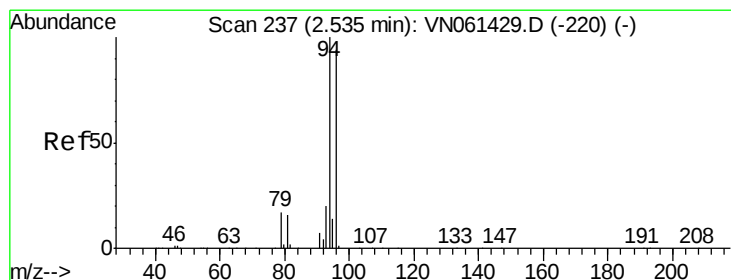
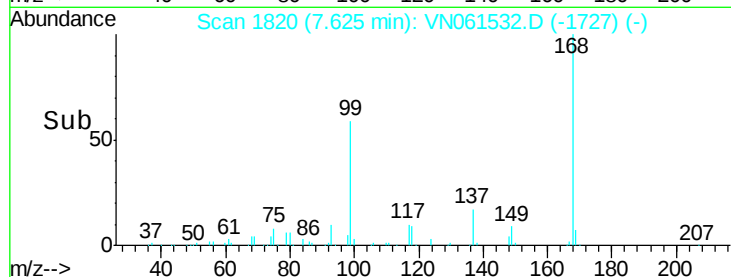
150000

100000

50000

0

Time--> 7.50 7.60 7.70



#5

Bromomethane

Concen: Below Cal

RT: 2.54 min Scan# 239

Delta R.T. 0.01 min

Lab File: VN061532.D

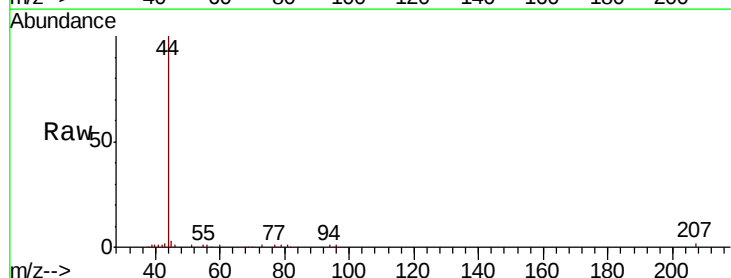
Acq: 21 May 2020 15:50

Tgt Ion: 94 Resp: 516

Ion Ratio Lower Upper

94 100

96 85.3 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VN

Ion 95.90 (95.60 to 96.60): VN

2.54

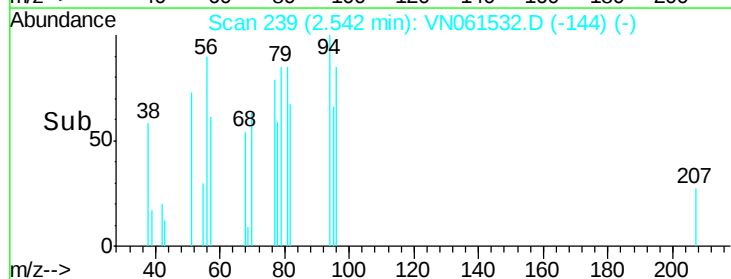
300

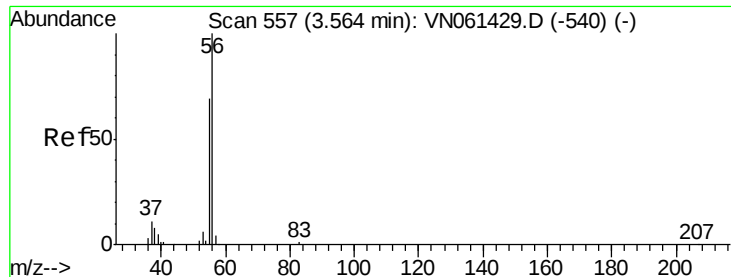
200

100

0

Time--> 2.52 2.54 2.56 2.58





#13

Acrolein

Concen: Below Cal

RT: 3.57 min Scan# 559

Delta R.T. 0.01 min

Lab File: VN061532.D

Acq: 21 May 2020 15:50

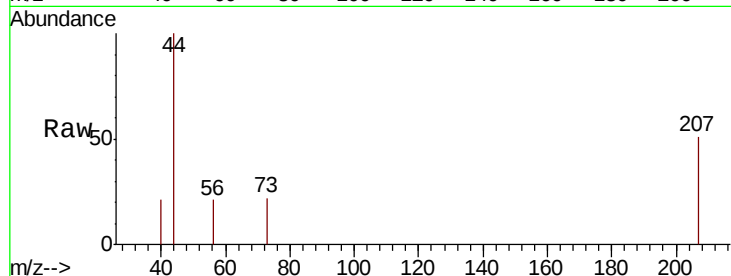
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 31

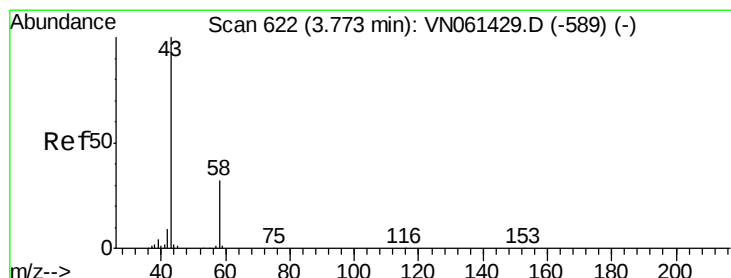
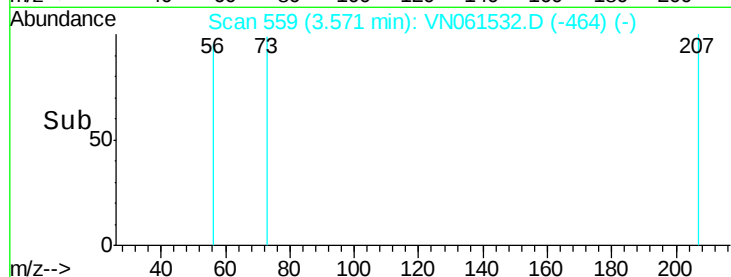
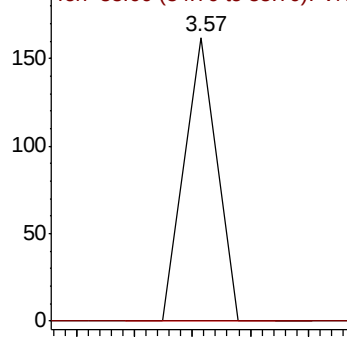
Ion Ratio Lower Upper

56 100

55 0.0 54.8 82.2#



Abundance Ion 56.00 (55.70 to 56.70): VN061532.D (-540) (-)



#16

Acetone

Concen: 1.990 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.01 min

Lab File: VN061532.D

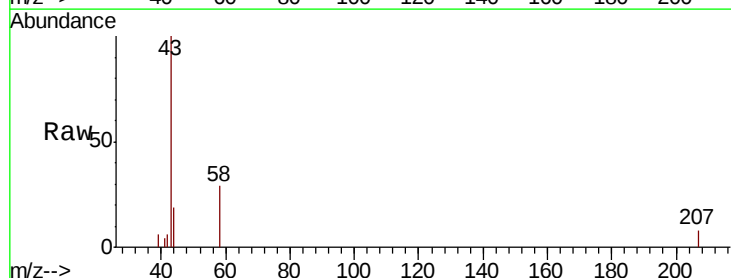
Acq: 21 May 2020 15:50

Tgt Ion: 43 Resp: 15366

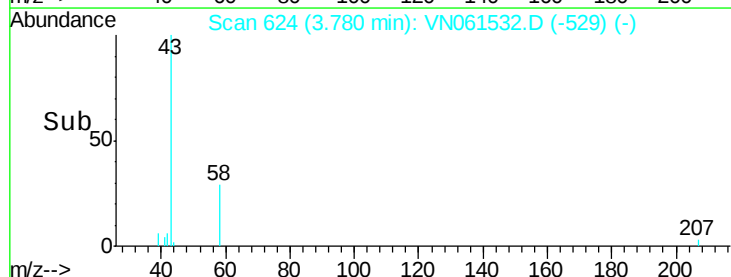
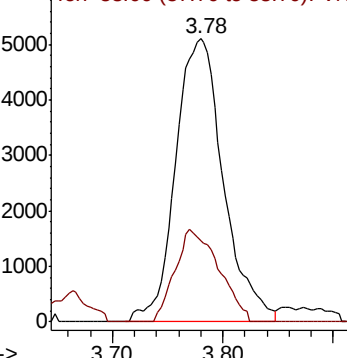
Ion Ratio Lower Upper

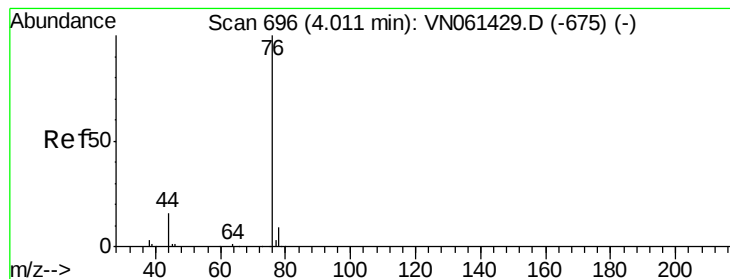
43 100

58 28.7 25.6 38.4



Abundance Ion 43.00 (42.70 to 43.70): VN061532.D (-529) (-)





#17

Carbon Disulfide

Concen: Below Cal

RT: 4.01 min Scan# 696

Delta R.T. 0.00 min

Lab File: VN061532.D

Acq: 21 May 2020 15:50

Instrument :

MSVOA_N

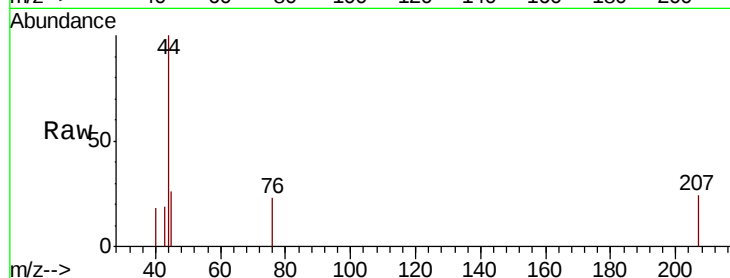
ClientSampled :

Tot Ion: 76 Resp: 132

Ion Ratio Lower Upper

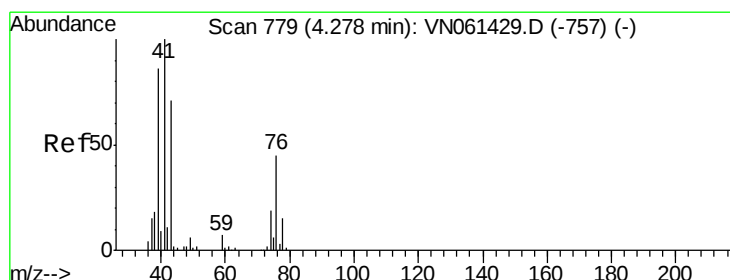
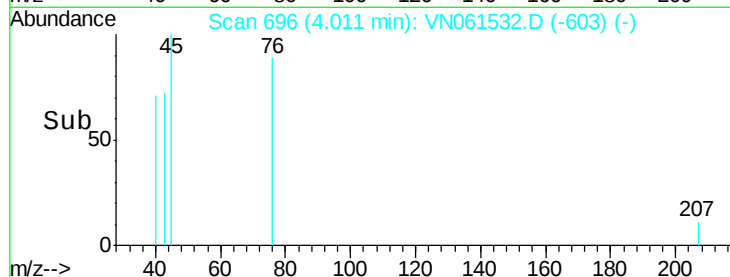
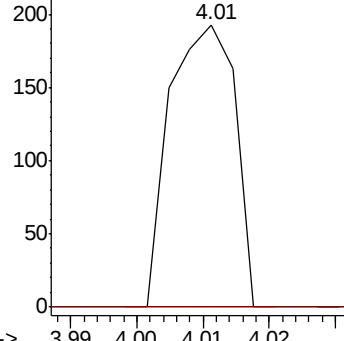
76 100

78 0.0 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: Below Cal

RT: 4.26 min Scan# 774

Delta R.T. -0.02 min

Lab File: VN061532.D

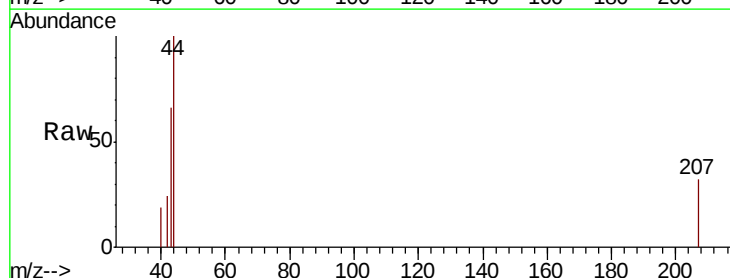
Acq: 21 May 2020 15:50

Tgt Ion: 43 Resp: 612

Ion Ratio Lower Upper

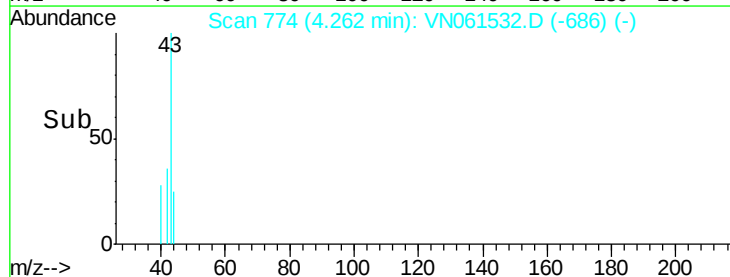
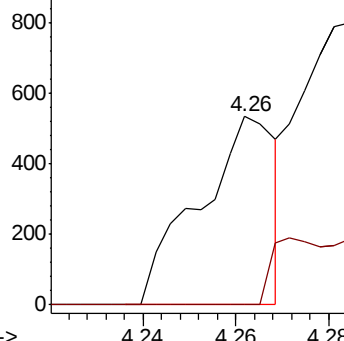
43 100

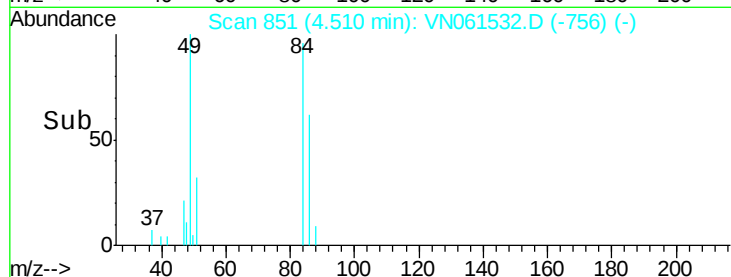
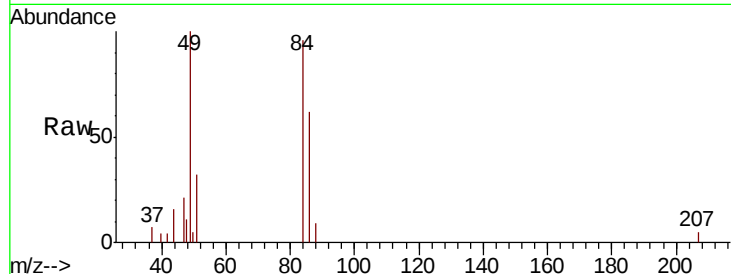
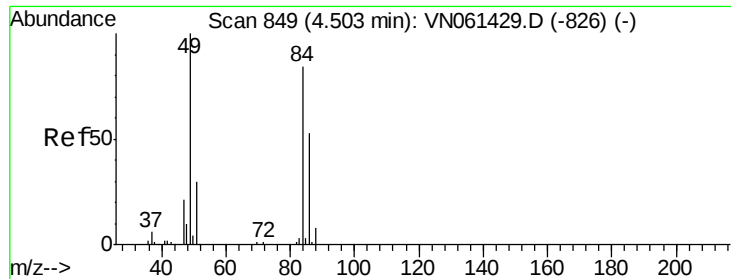
74 22.5 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

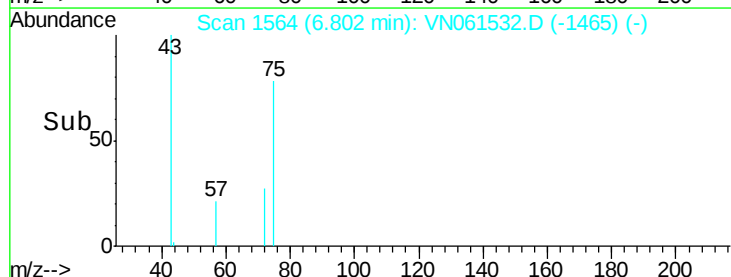
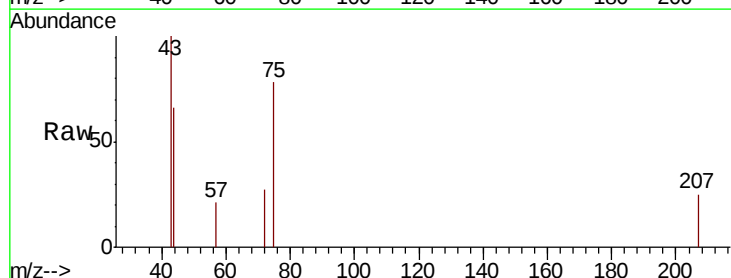
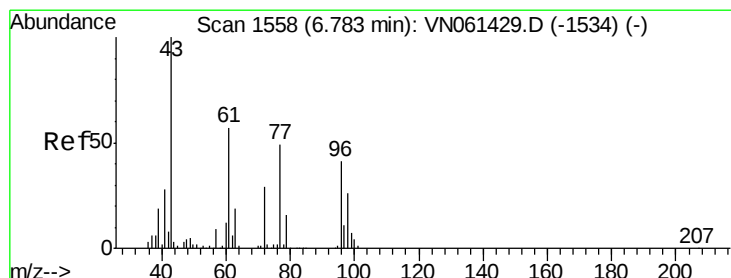
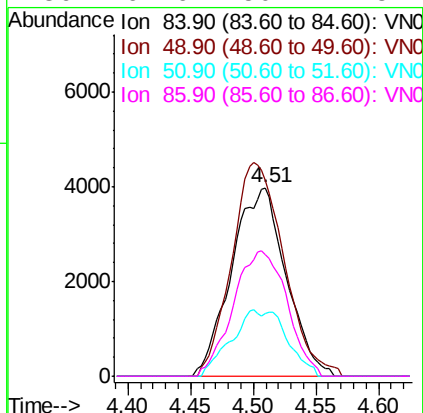




#20
Methvlene Chloride
Concen: 3.246 ug/l
RT: 4.51 min Scan# 851
Delta R.T. 0.01 min
Lab File: VN061532.D
Acq: 21 May 2020 15:50

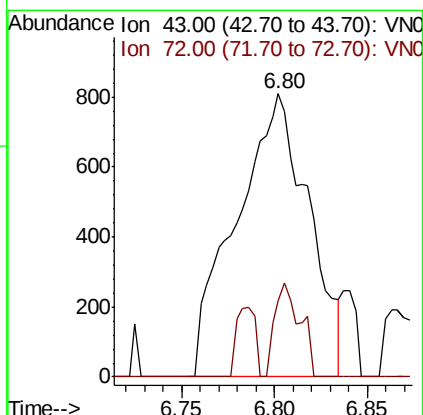
Instrument :
MSVOA_N
ClientSampleId :

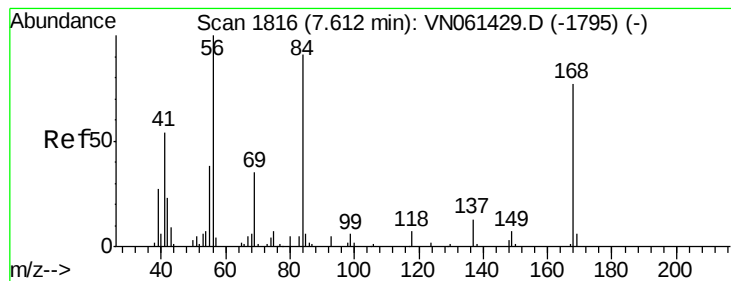
Tot Ion: 84	Resp: 12010
Ion Ratio	Lower Upper
84 100	
49 103.9	95.3 142.9
51 32.9	29.0 43.6
86 64.6	50.2 75.2



#25
2-Butanone
Concen: 1.075 ug/l
RT: 6.80 min Scan# 1564
Delta R.T. 0.02 min
Lab File: VN061532.D
Acq: 21 May 2020 15:50

Tgt Ion: 43	Resp: 2204
Ion Ratio	Lower Upper
43 100	
72 26.8	23.0 34.6





#31

Cyclohexane

Concen: Below Cal

RT: 7.63 min Scan# 1820

Delta R.T. 0.01 min

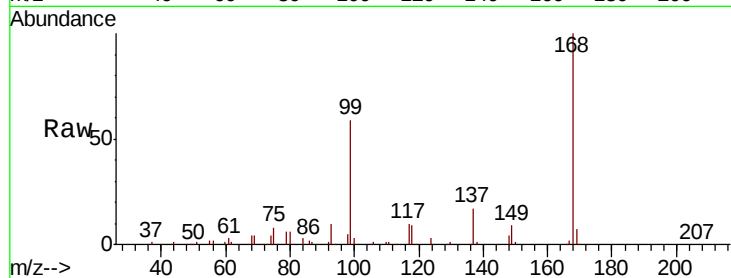
Lab File: VN061532.D

Acq: 21 May 2020 15:50

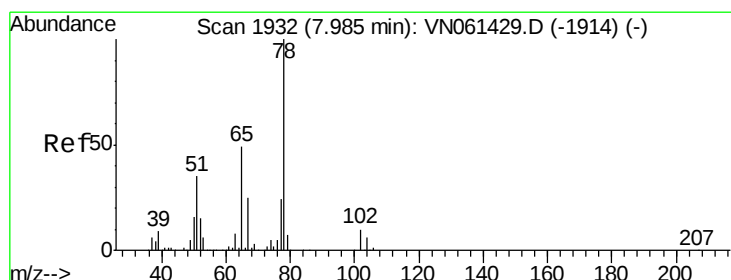
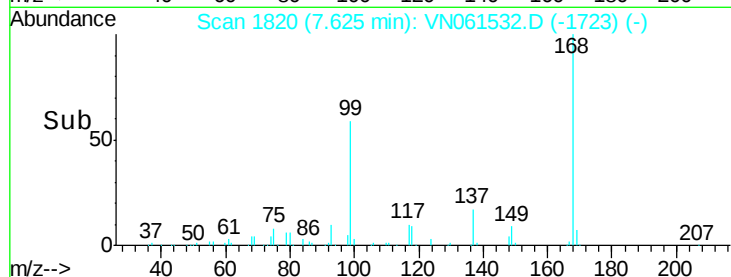
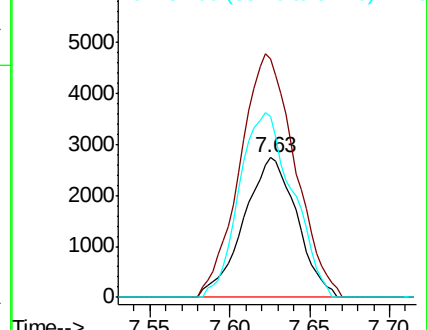
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 6254

Ion	Ratio	Lower	Upper
56	100		
69	170.8	27.8	41.6#
84	129.9	72.7	109.1#



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: 44.756 ug/l

RT: 7.99 min Scan# 1933

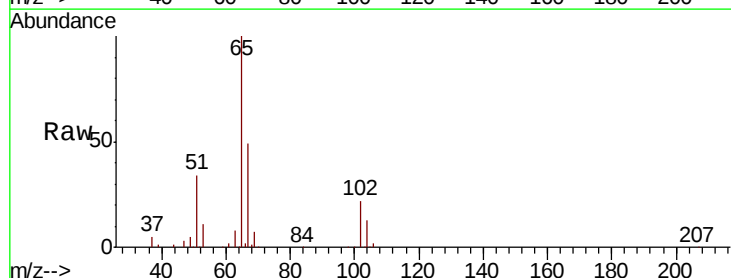
Delta R.T. 0.00 min

Lab File: VN061532.D

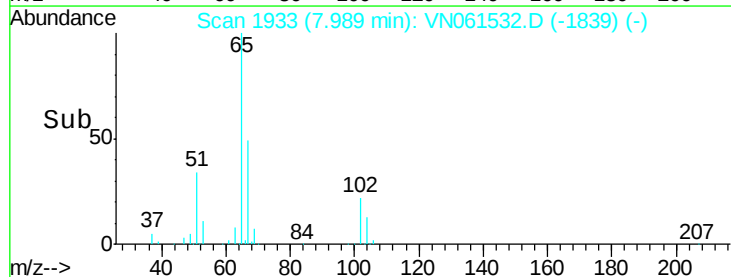
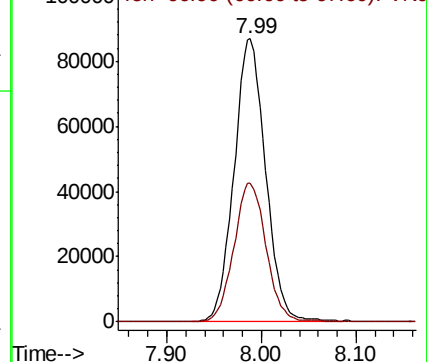
Acq: 21 May 2020 15:50

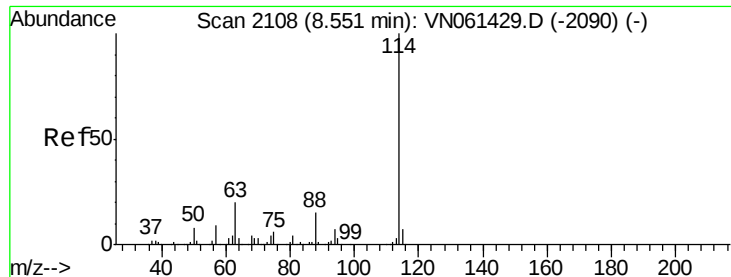
Tgt Ion: 65 Resp: 201509

Ion	Ratio	Lower	Upper
65	100		
67	50.2	0.0	101.4



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

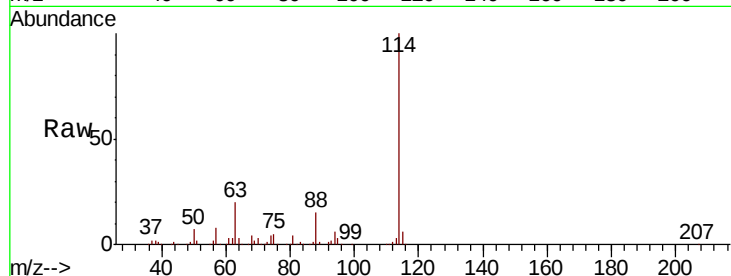




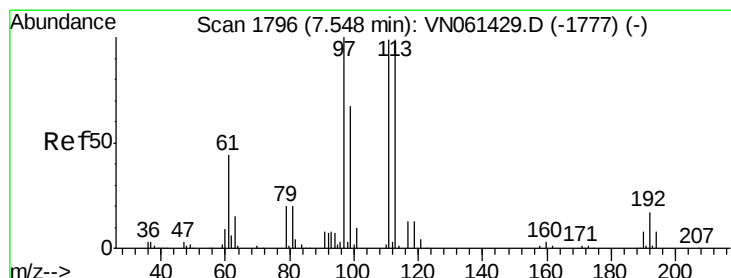
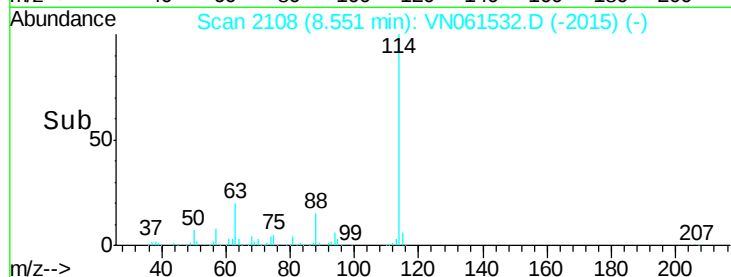
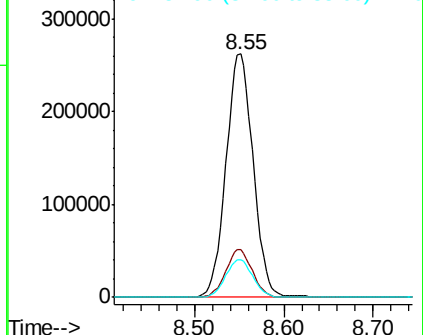
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN061532.D
 Acq: 21 May 2020 15:50

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	40.8
88	15.3	0.0	30.8

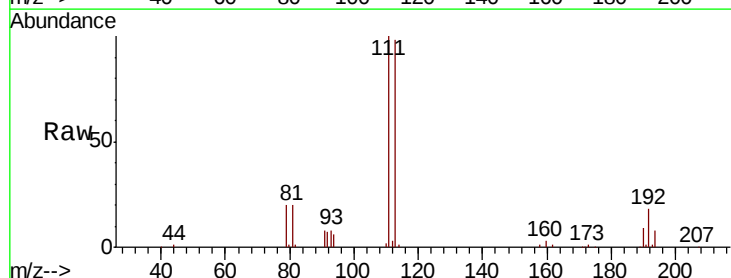


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

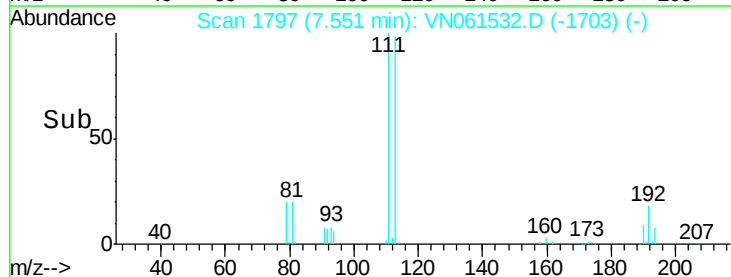
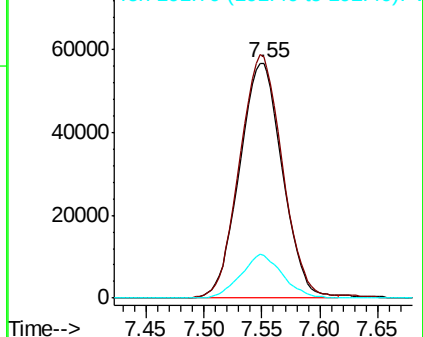


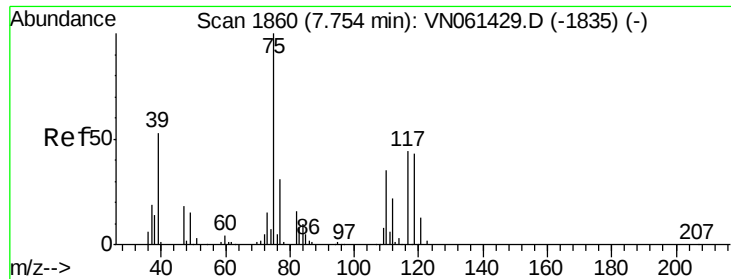
#35
 Dibromofluoromethane
 Concen: 50.453 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN061532.D
 Acq: 21 May 2020 15:50

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.3	80.6	121.0
192	18.1	13.2	19.8



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

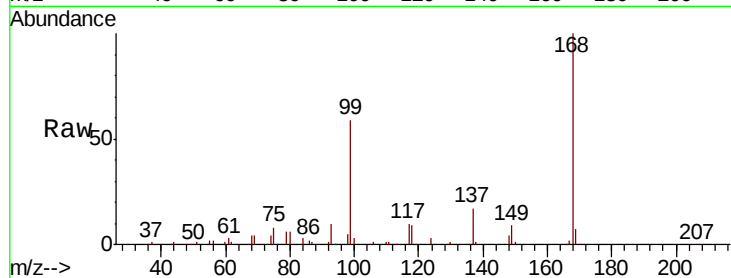




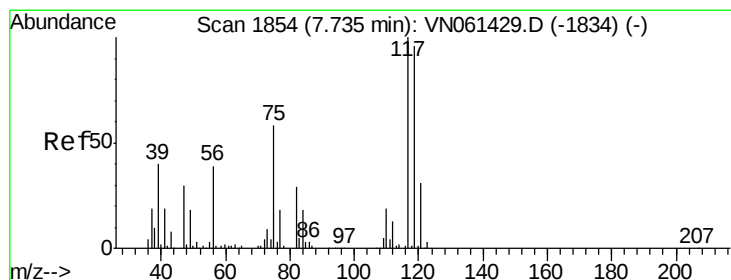
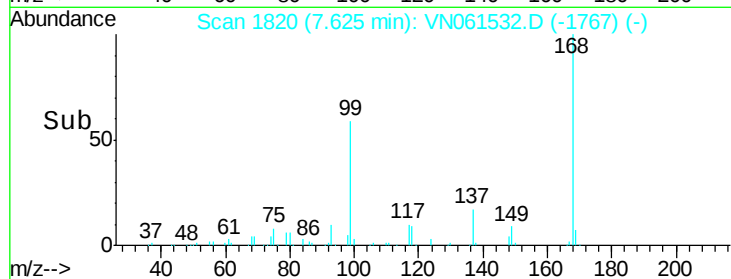
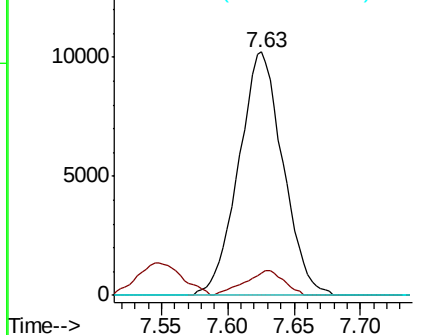
#36
 1,1-Dichloropropene
 Concen: 4.604 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN061532.D
 Acq: 21 May 2020 15:50

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	75	Resp	23794
Ion Ratio	100	Lower	Upper
75	100		
110	8.9	17.3	51.9#
77	0.0	24.9	37.3#

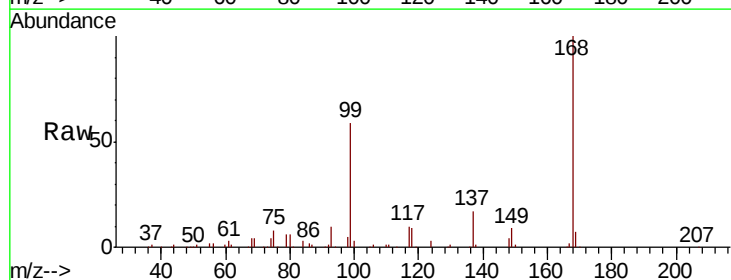


Abundance Ion 74.90 (74.60 to 75.60): VN061429.D (-1835) (-)

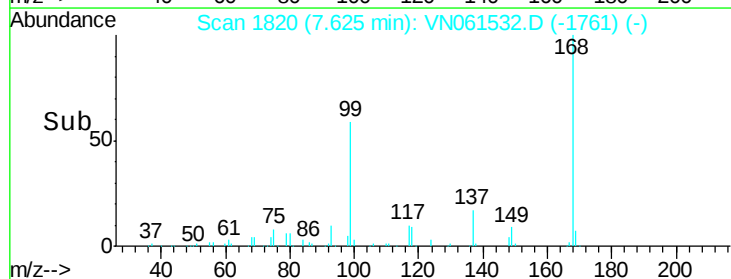
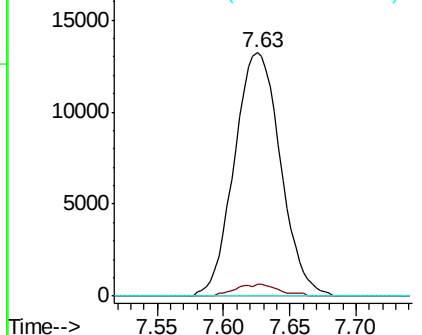


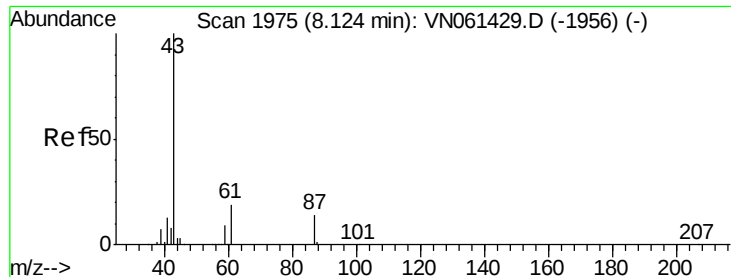
#38
 Carbon Tetrachloride
 Concen: 6.730 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.11 min
 Lab File: VN061532.D
 Acq: 21 May 2020 15:50

Tgt Ion	117	Resp	32026
Ion Ratio	100	Lower	Upper
117	100		
119	4.7	77.0	115.6#
121	0.0	24.7	37.1#



Abundance Ion 116.80 (116.50 to 117.50): VN061429.D (-1834) (-)





#43

Isopropyl Acetate

Concen: 8.994 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN061532.D

Acq: 21 May 2020 15:50

Instrument :

MSVOA_N

ClientSampleId :

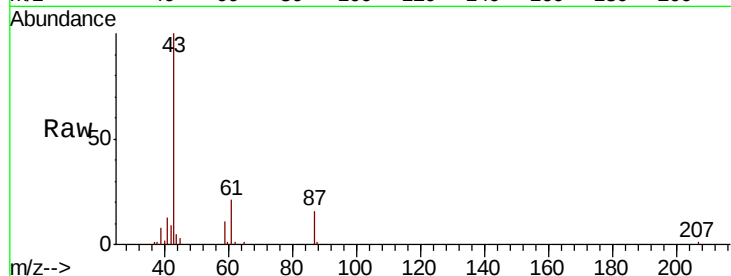
Tot Ion: 43 Resp: 73519

Ion Ratio Lower Upper

43 100

61 21.7 23.0 34.4#

87 15.5 11.6 17.4

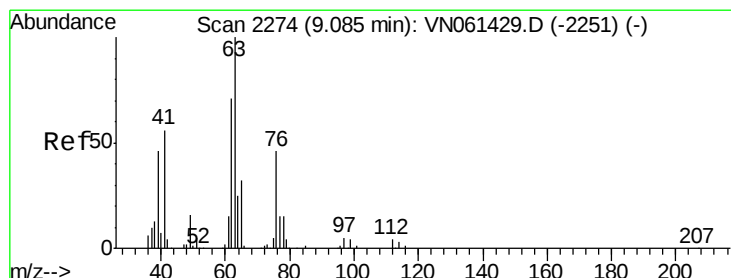
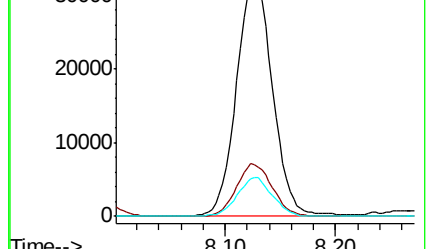
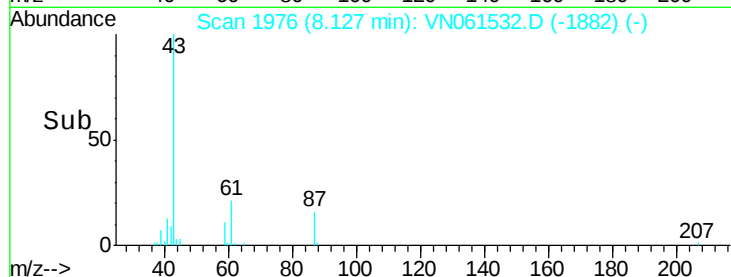


Abundance Ion 43.00 (42.70 to 43.70): VN061429.D (-1956) (-)

Ion 61.00 (60.70 to 61.70): VN061429.D (-1956) (-)

Ion 87.00 (86.70 to 87.70): VN061429.D (-1956) (-)

Time-->



#45

1,2-Dichloropropane

Concen: 0.411 ug/l

RT: 9.24 min Scan# 2321

Delta R.T. 0.15 min

Lab File: VN061532.D

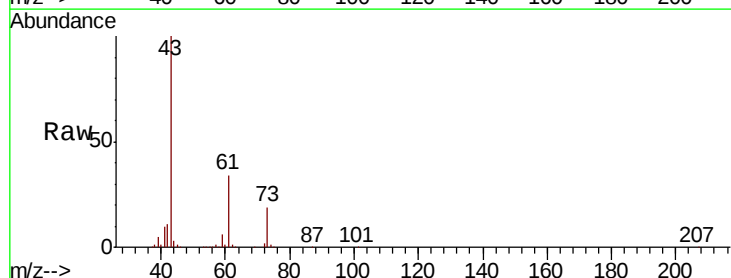
Acq: 21 May 2020 15:50

Tgt Ion: 63 Resp: 1604

Ion Ratio Lower Upper

63 100

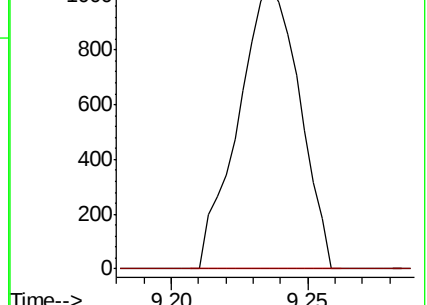
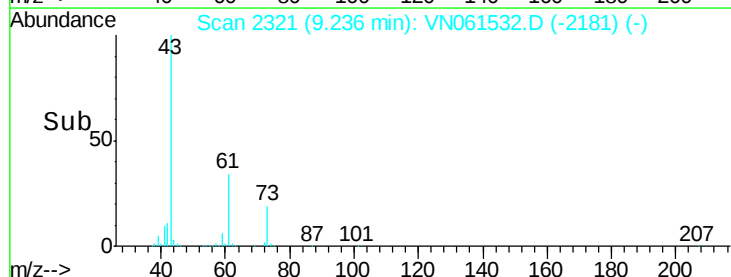
65 0.0 25.2 37.8#

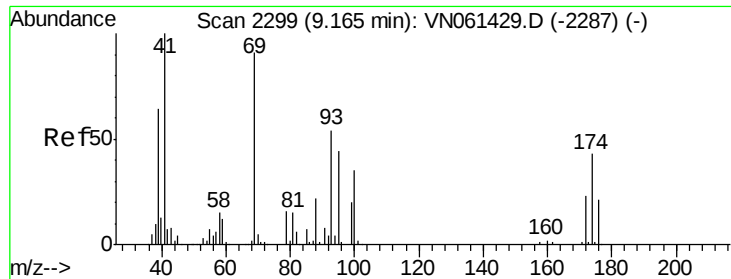


Abundance Ion 62.90 (62.60 to 63.60): VN061429.D (-2251) (-)

Ion 64.90 (64.60 to 65.60): VN061429.D (-2251) (-)

Time-->

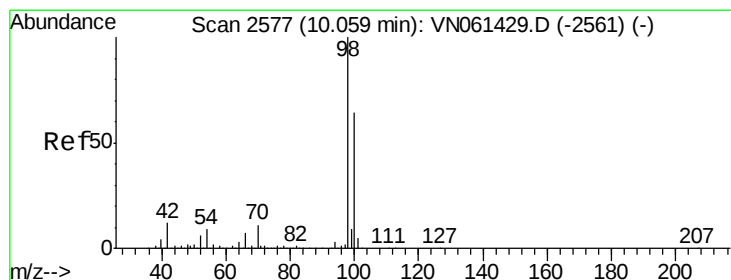
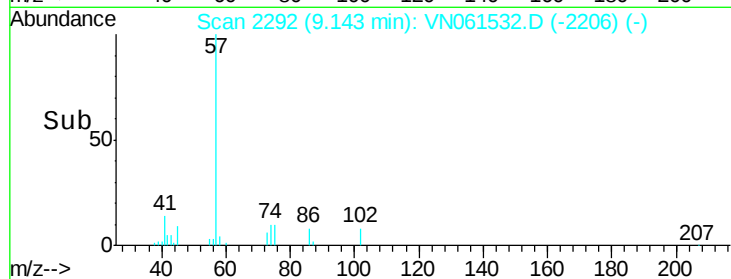
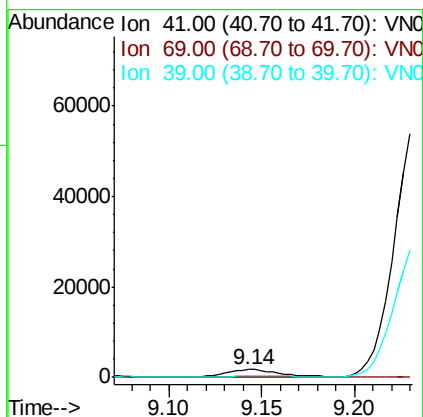
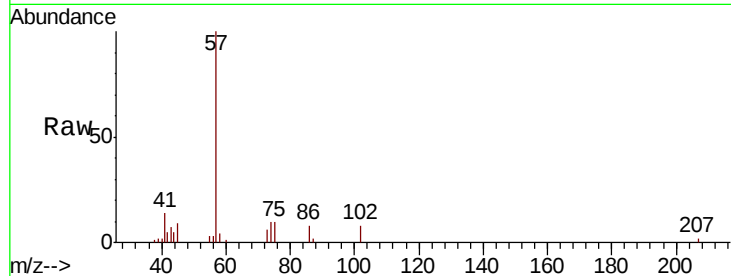




#48
Methvl methacrylate
Concen: 0.960 ug/l
RT: 9.14 min Scan# 2292
Delta R.T. -0.02 min
Lab File: VN061532.D
Acq: 21 May 2020 15:50

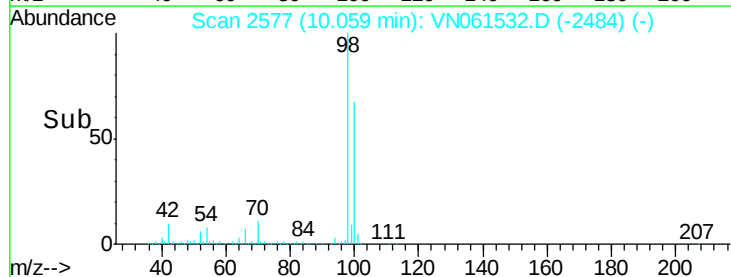
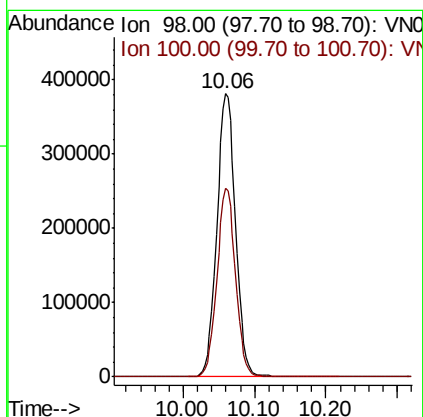
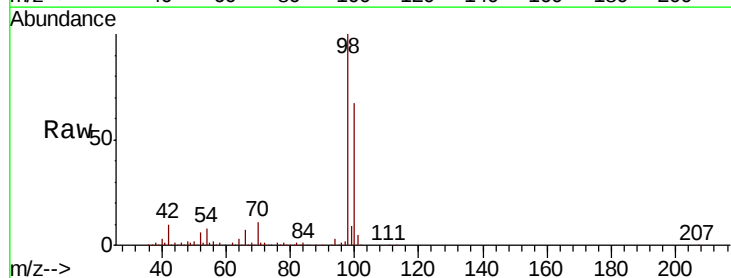
Instrument :
MSVOA_N
ClientSampleId :

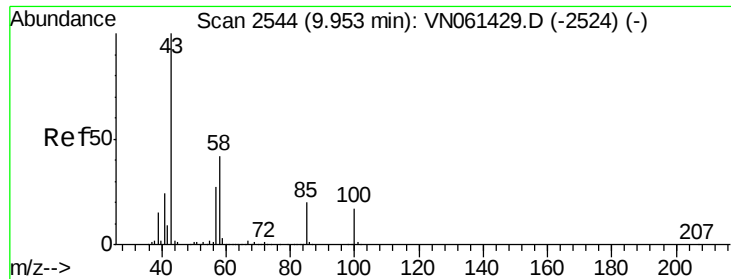
Tot Ion: 41 Resp: 3627
Ion Ratio Lower Upper
41 100
69 0.0 75.3 112.9#
39 0.0 52.6 79.0#



#50
Toluene-d8
Concen: 51.468 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN061532.D
Acq: 21 May 2020 15:50

Tgt Ion: 98 Resp: 691200
Ion Ratio Lower Upper
98 100
100 66.0 51.8 77.8

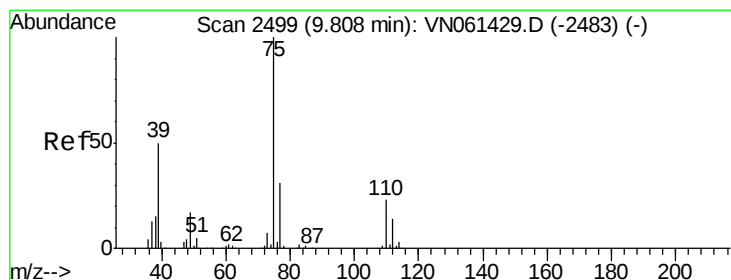
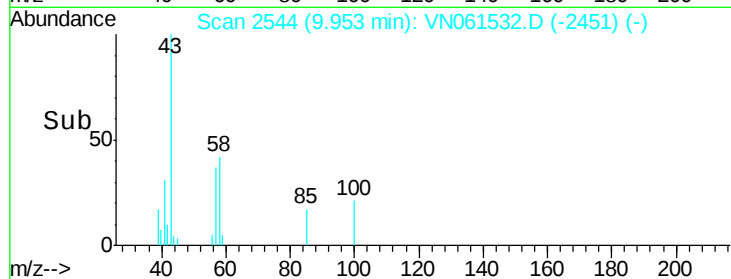
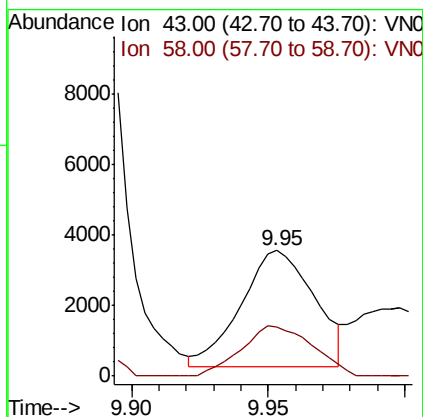
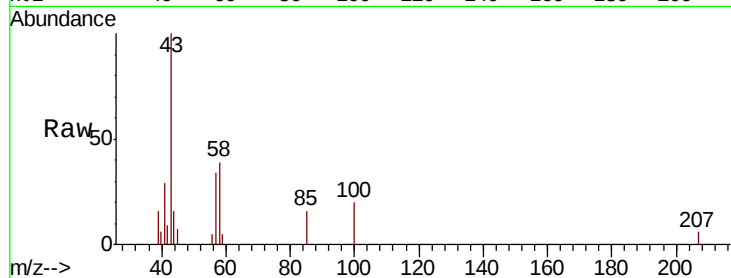




#51
4-Methyl-2-Pentanone
Concen: 1.379 ug/l
RT: 9.95 min Scan# 2544
Delta R.T. -0.00 min
Lab File: VN061532.D
Acq: 21 May 2020 15:50

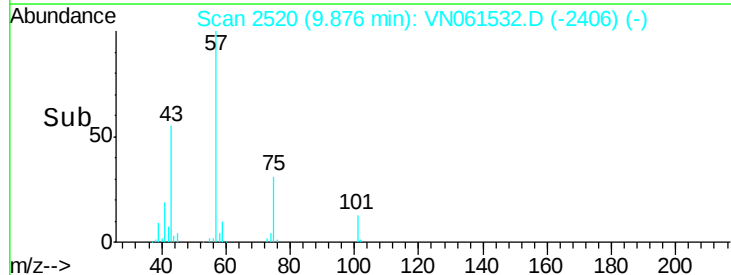
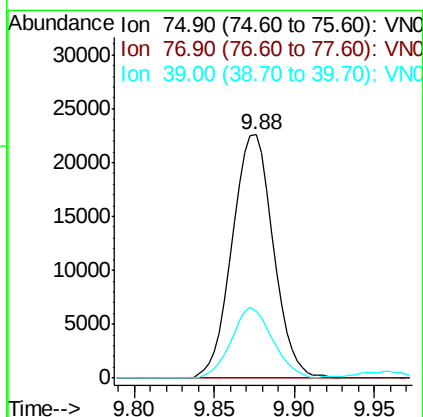
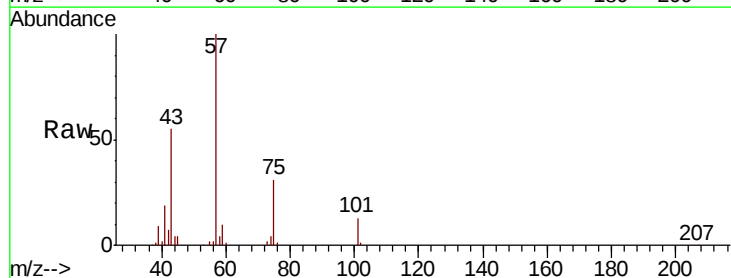
Instrument :
MSVOA_N
ClientSampled :

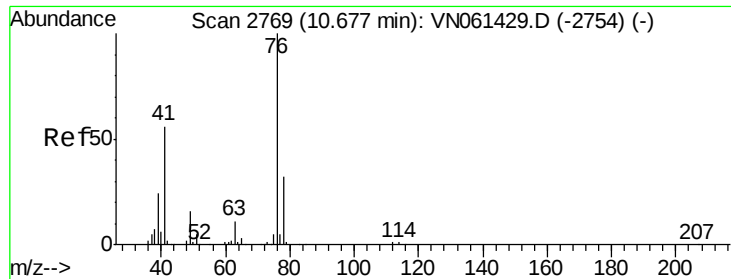
Tot Ion: 43 Resp: 6142
Ion Ratio Lower Upper
43 100
58 42.1 33.4 50.2



#54
cis-1,3-Dichloropropene
Concen: 5.893 ug/l
RT: 9.88 min Scan# 2520
Delta R.T. 0.07 min
Lab File: VN061532.D
Acq: 21 May 2020 15:50

Tgt Ion: 75 Resp: 39530
Ion Ratio Lower Upper
75 100
77 0.0 24.8 37.2#
39 27.8 39.8 59.6#

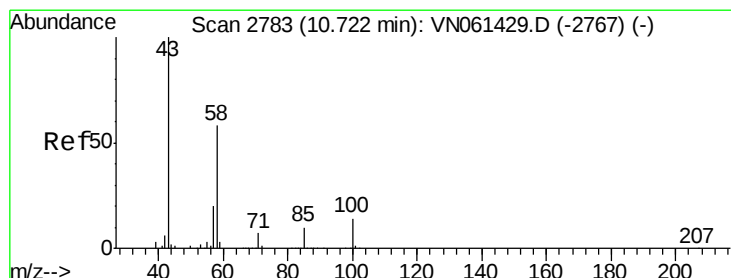
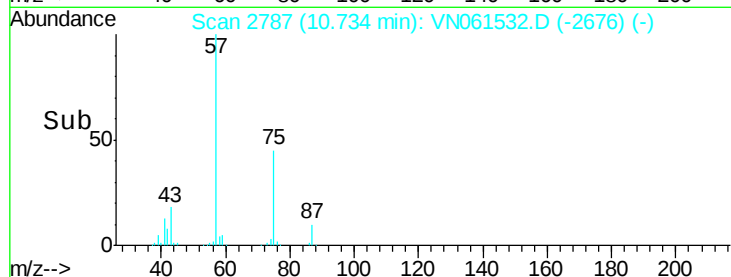
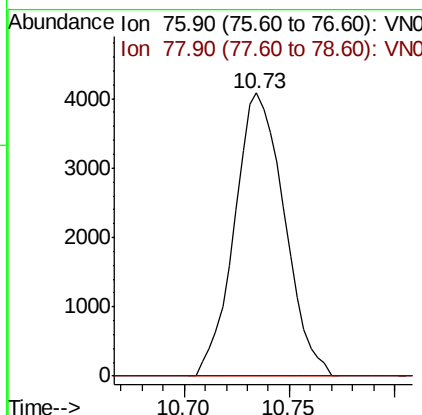
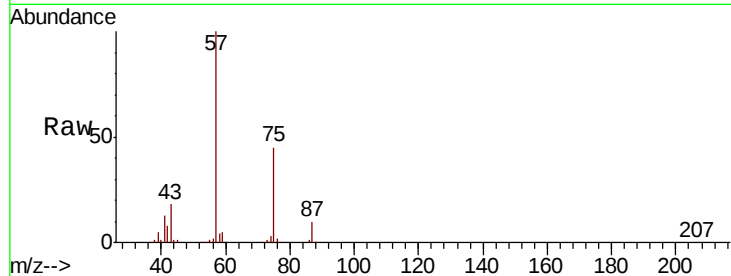




#57
 1,3-Dichloropropane
 Concen: 1.024 ug/l
 RT: 10.73 min Scan# 2787
 Delta R.T. 0.06 min
 Lab File: VN061532.D
 Acq: 21 May 2020 15:50

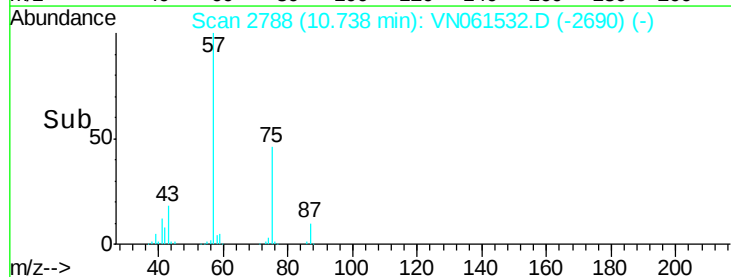
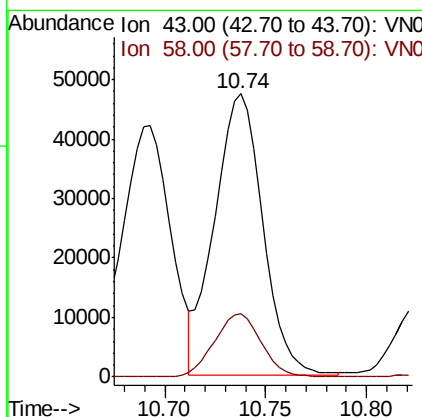
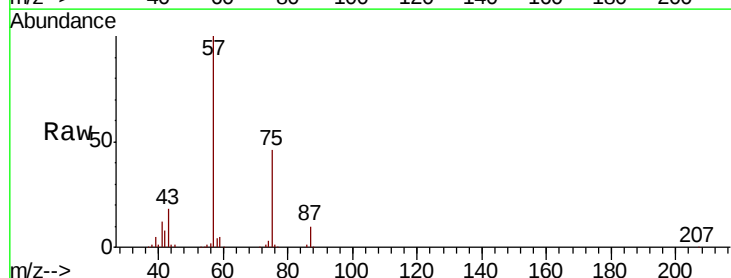
Instrument :
 MSVOA_N
 ClientSampleId :

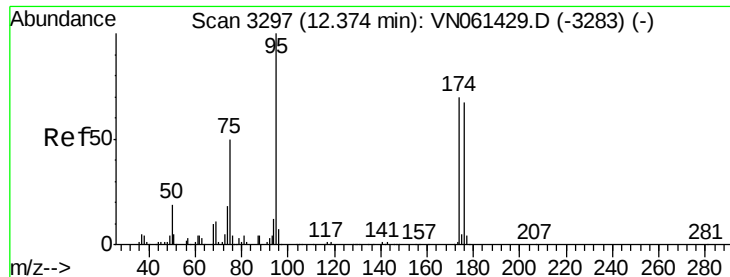
Tot Ion: 76 Resp: 6692
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.0 39.0#



#59
 2-Hexanone
 Concen: 24.564 ug/l
 RT: 10.74 min Scan# 2788
 Delta R.T. 0.02 min
 Lab File: VN061532.D
 Acq: 21 May 2020 15:50

Tgt Ion: 43 Resp: 79136
 Ion Ratio Lower Upper
 43 100
 58 21.7 29.2 87.6#

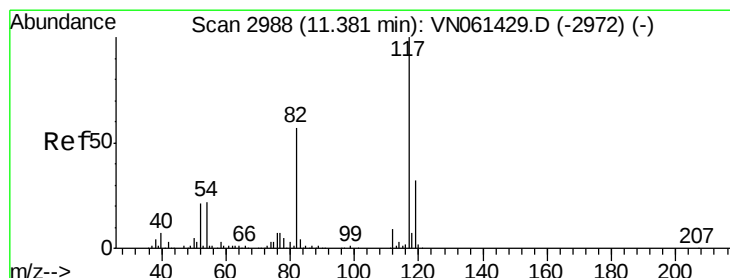
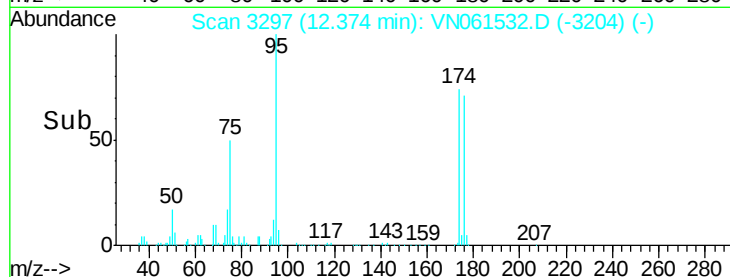
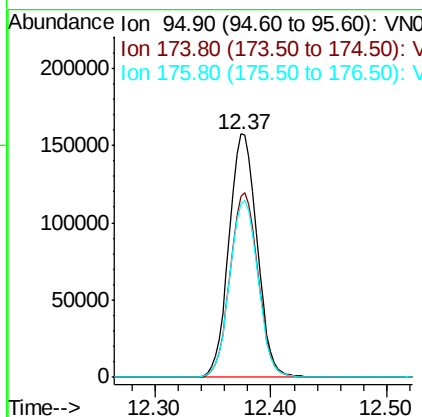
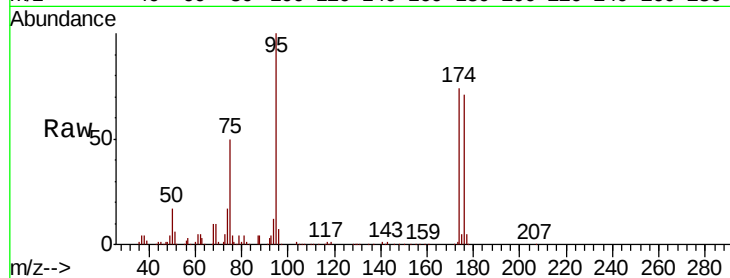




#62
 4-Bromofluorobenzene
 Concen: 52.664 ug/l
 RT: 12.37 min Scan# 3297
 Delta R.T. -0.00 min
 Lab File: VN061532.D
 Acq: 21 May 2020 15:50

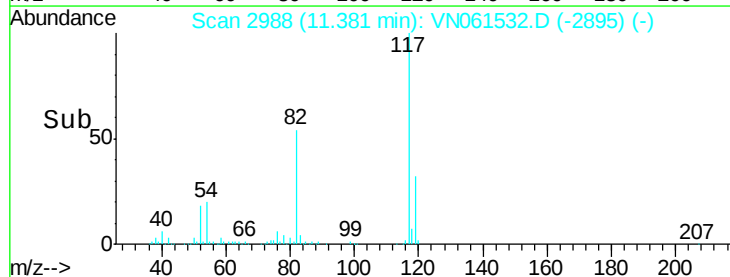
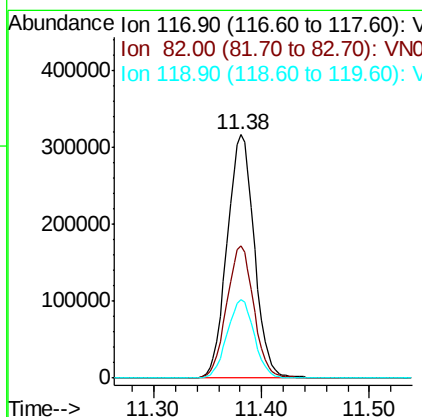
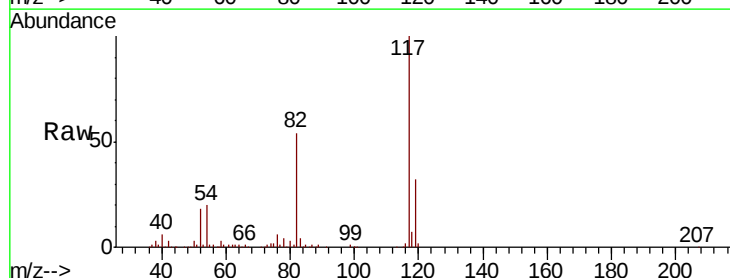
Instrument :
 MSVOA_N
 ClientSampled :

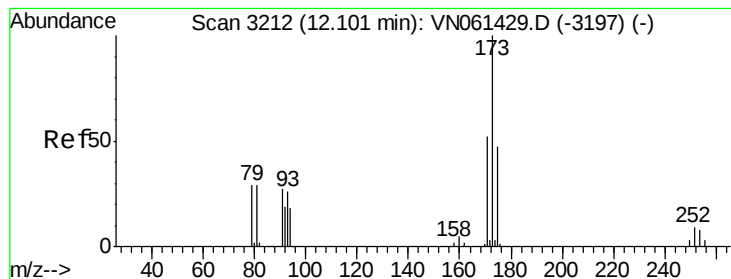
Tot Ion	95	Resp	264235
Ion Ratio	Lower	Upper	
95	100		
174	75.6	0.0	141.2
176	73.2	0.0	137.6



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.38 min Scan# 2988
 Delta R.T. -0.00 min
 Lab File: VN061532.D
 Acq: 21 May 2020 15:50

Tgt Ion	117	Resp	557821
Ion Ratio	Lower	Upper	
117	100		
82	54.2	45.2	67.8
119	32.2	25.3	37.9





#71

Bromoform

Concen: 2.624 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. 0.27 min

Lab File: VN061532.D

Acq: 21 May 2020 15:50

Instrument :

MSVOA_N

ClientSampled :

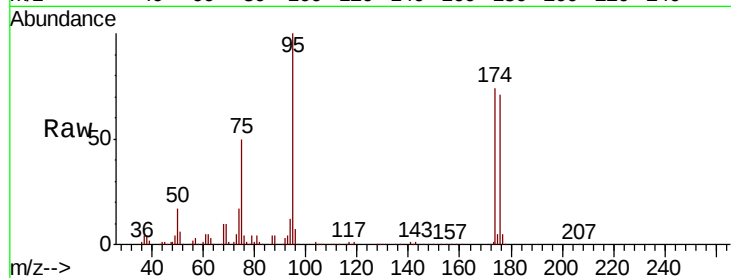
Tot Ion:173 Resp: 1996

Ion Ratio Lower Upper

173 100

175 623.3 23.9 71.8#

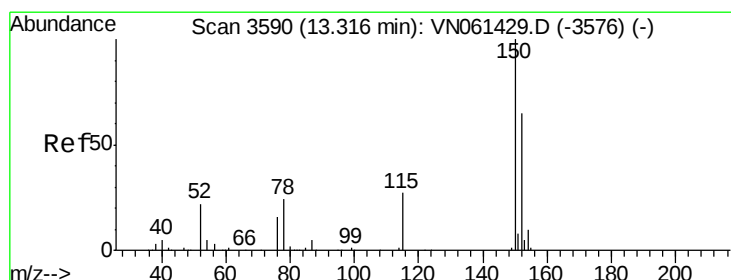
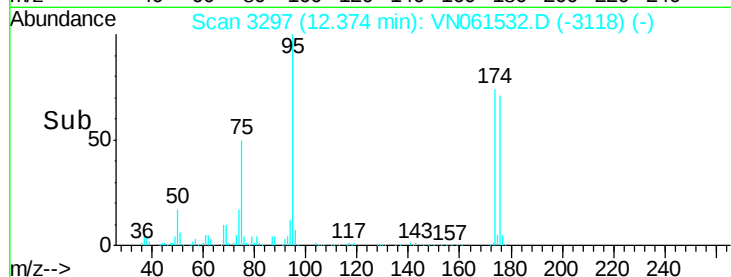
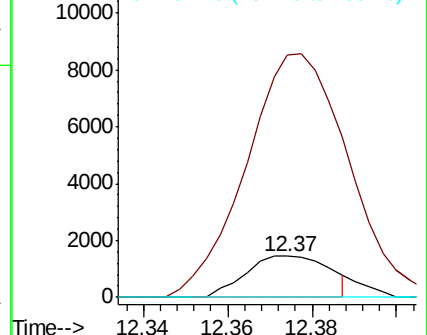
254 0.0 0.0 0.0



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: VN061532.D

Acq: 21 May 2020 15:50

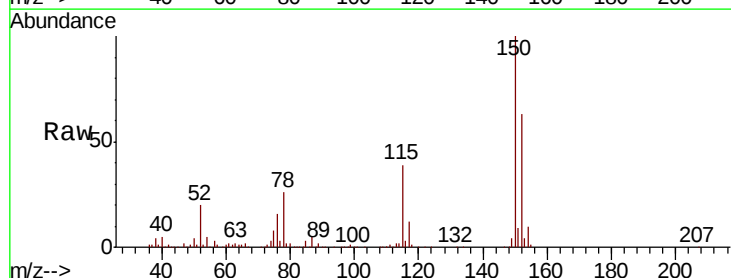
Tgt Ion:152 Resp: 247954

Ion Ratio Lower Upper

152 100

115 59.6 30.9 92.5

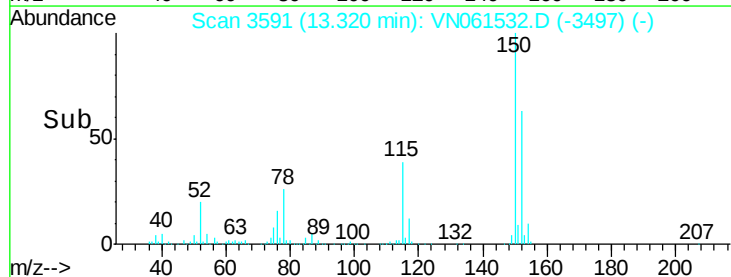
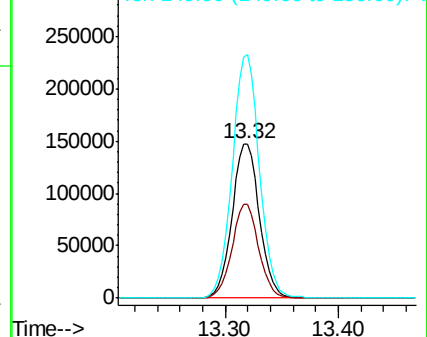
150 156.7 0.0 349.2

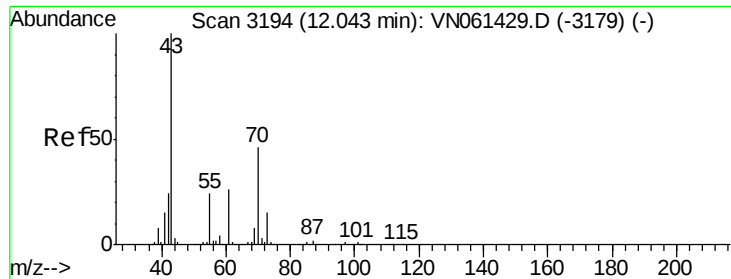


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 0.506 ug/l

RT: 12.00 min Scan# 3182

Delta R.T. -0.04 min

Lab File: VN061532.D

Acq: 21 May 2020 15:50

Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 43 Resp: 3684

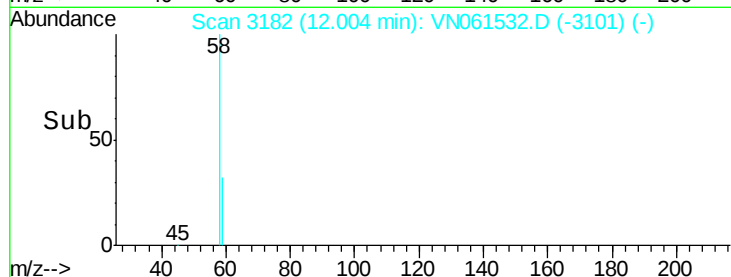
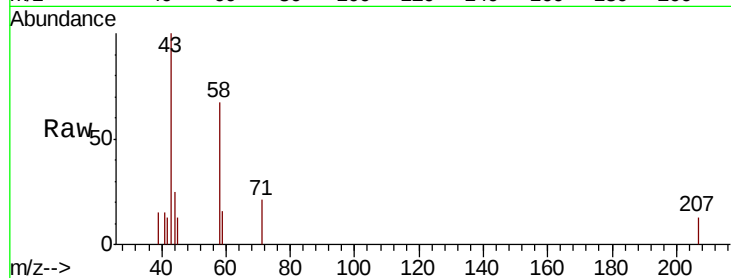
Ion Ratio Lower Upper

43 100

70 0.0 37.0 55.4#

55 0.0 19.5 29.3#

61 0.0 20.8 31.2#

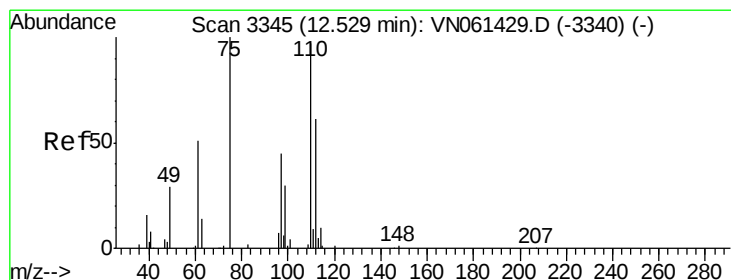
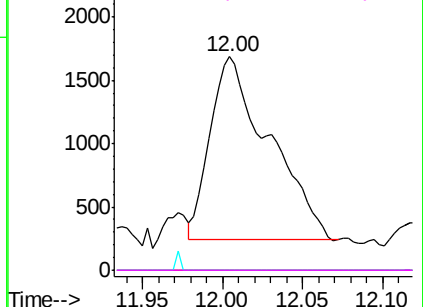


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#76

1,2,3-Trichloropropane

Concen: 25.134 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN061532.D

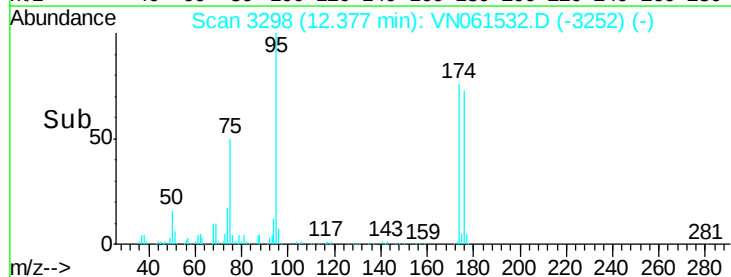
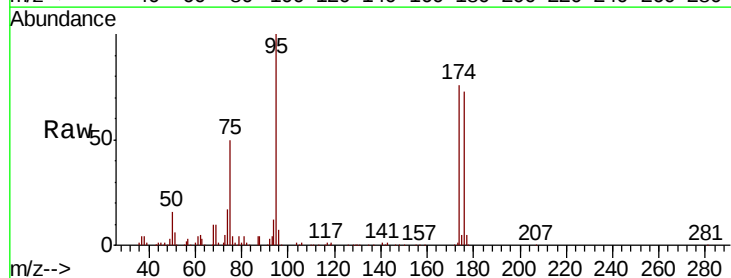
Acq: 21 May 2020 15:50

Tgt Ion: 75 Resp: 133723

Ion Ratio Lower Upper

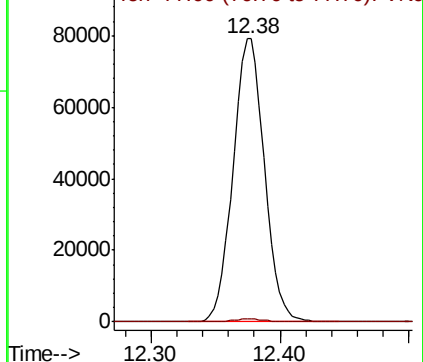
75 100

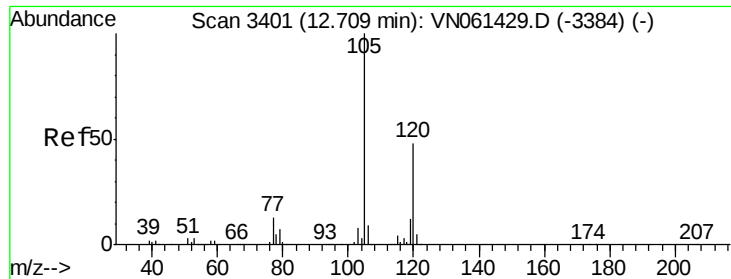
77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#80

1,3,5-Trimethylbenzene

Concen: 0.269 ug/l

RT: 12.71 min Scan# 3400

Delta R.T. -0.00 min

Lab File: VN061532.D

Acq: 21 May 2020 15:50

Instrument :

MSVOA_N

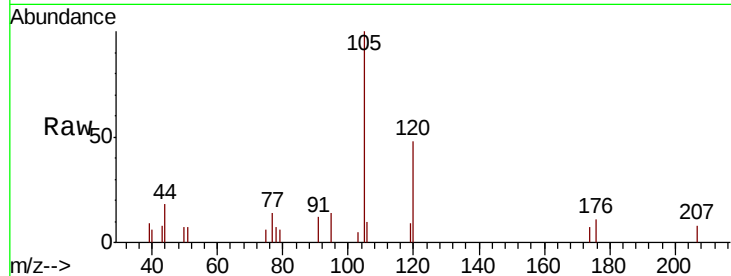
ClientSampleId :

Tot Ion:105 Resp: 4387

Ion Ratio Lower Upper

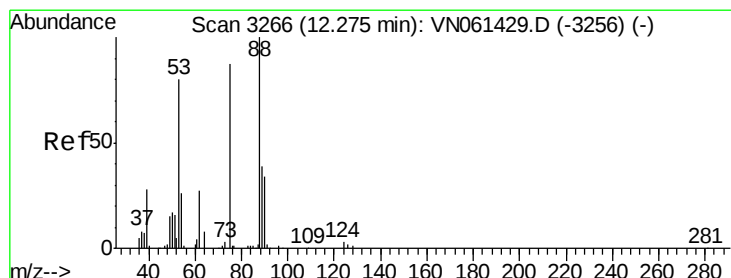
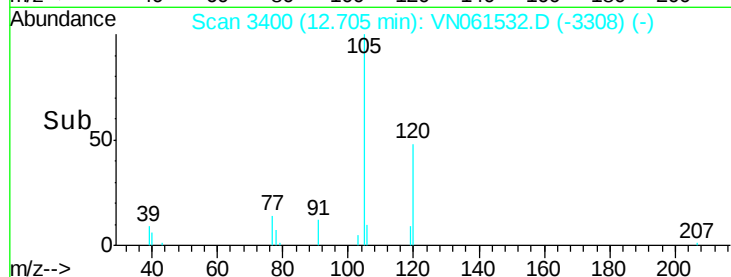
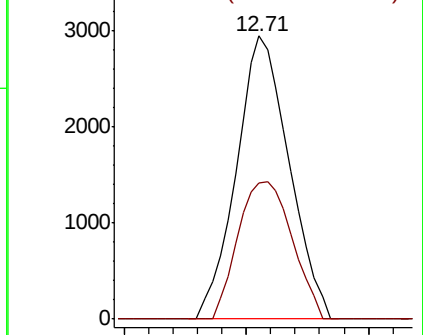
105 100

120 50.0 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 66.674 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN061532.D

Acq: 21 May 2020 15:50

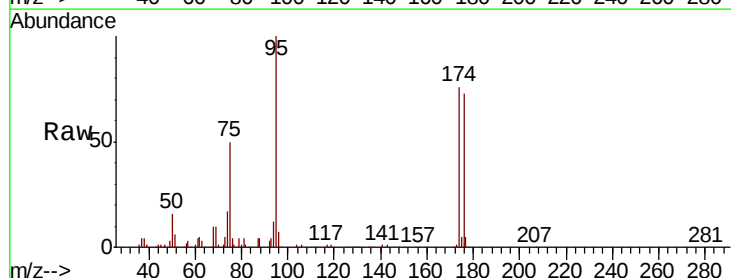
Tgt Ion: 75 Resp: 133723

Ion Ratio Lower Upper

75 100

53 0.0 75.2 112.8#

89 0.0 38.2 57.4#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

