

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041520\
 Data File : VN060985.D
 Acq On : 16 Apr 2020 00:33
 Operator : JC/MD
 Sample : L2259-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 16 06:42:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	141910	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	236972	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	224019	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	104945	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	92403	47.43	ug/l	0.00
Spiked Amount			Recovery	=	94.86%	
35) Dibromofluoromethane	7.56	113	70717	49.35	ug/l	0.00
Spiked Amount			Recovery	=	98.70%	
50) Toluene-d8	10.08	98	298625	51.02	ug/l	0.00
Spiked Amount			Recovery	=	102.04%	
62) 4-Bromofluorobenzene	12.39	95	114007	53.15	ug/l	0.00
Spiked Amount			Recovery	=	106.30%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.03	50	10301	4.017	ug/l	97
4) Vinyl Chloride	2.16	62	1516	0.756	ug/l	98
5) Bromomethane	2.54	94	443	0.512	ug/l	95
6) Chloroethane	2.67	64	7571	6.552	ug/l	98
10) Methyl Iodide	3.92	142	331	0.260	ug/l #	42
11) Tert butyl alcohol	4.78	59	366	1.277	ug/l #	72
12) 1,1-Dichloroethene	3.72	96	528	0.344	ug/l #	56
13) Acrolein	3.59	56	560	1.764	ug/l #	64
14) Allyl chloride	4.26	41	2309	0.854	ug/l #	43
16) Acetone	3.81	43	43215	62.625	ug/l	96
18) Methyl Acetate	4.31	43	2711	1.396	ug/l #	68
20) Methylene Chloride	4.52	84	30624	18.041	ug/l	98
23) Vinyl Acetate	6.07	43	2223	0.477	ug/l #	74
24) 1,1-Dichloroethane	5.81	63	1945	0.625	ug/l #	85
25) 2-Butanone	6.81	43	25000	22.389	ug/l	93
26) 2,2-Dichloropropane	6.79	77	665	0.272	ug/l #	53
28) Bromochloromethane	7.34	49	494578	332.142	ug/l #	17
29) Tetrahydrofuran	7.21	42	1002	1.268	ug/l #	35
30) Chloroform	7.34	83	5266585	1765.161	ug/l	89
31) Cyclohexane	7.63	56	3008	0.959	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	11486	5.006	ug/l #	49
37) Ethyl Acetate	6.81	43	25000	10.083	ug/l #	70
38) Carbon Tetrachloride	7.64	117	13679	6.651	ug/l #	17
40) Benzene	8.01	78	6775	0.978	ug/l	100
41) Methacrylonitrile	7.34	41	21074	19.916	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	1340	0.566	ug/l #	75
43) Isopropyl Acetate	8.14	43	41012	10.030	ug/l #	90
45) 1,2-Dichloropropane	9.11	63	529	0.289	ug/l #	43
48) Methyl methacrylate	9.16	41	4585	2.518	ug/l #	40
51) 4-Methyl-2-Pentanone	9.97	43	186135	79.996	ug/l	97
52) Toluene	10.14	92	1097	0.262	ug/l	87
54) cis-1,3-Dichloropropene	9.89	75	14032	4.849	ug/l #	66
55) 1,1,2-Trichloroethane	10.55	97	431	0.268	ug/l	91
56) Ethyl methacrylate	10.35	69	6177	2.462	ug/l #	72

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

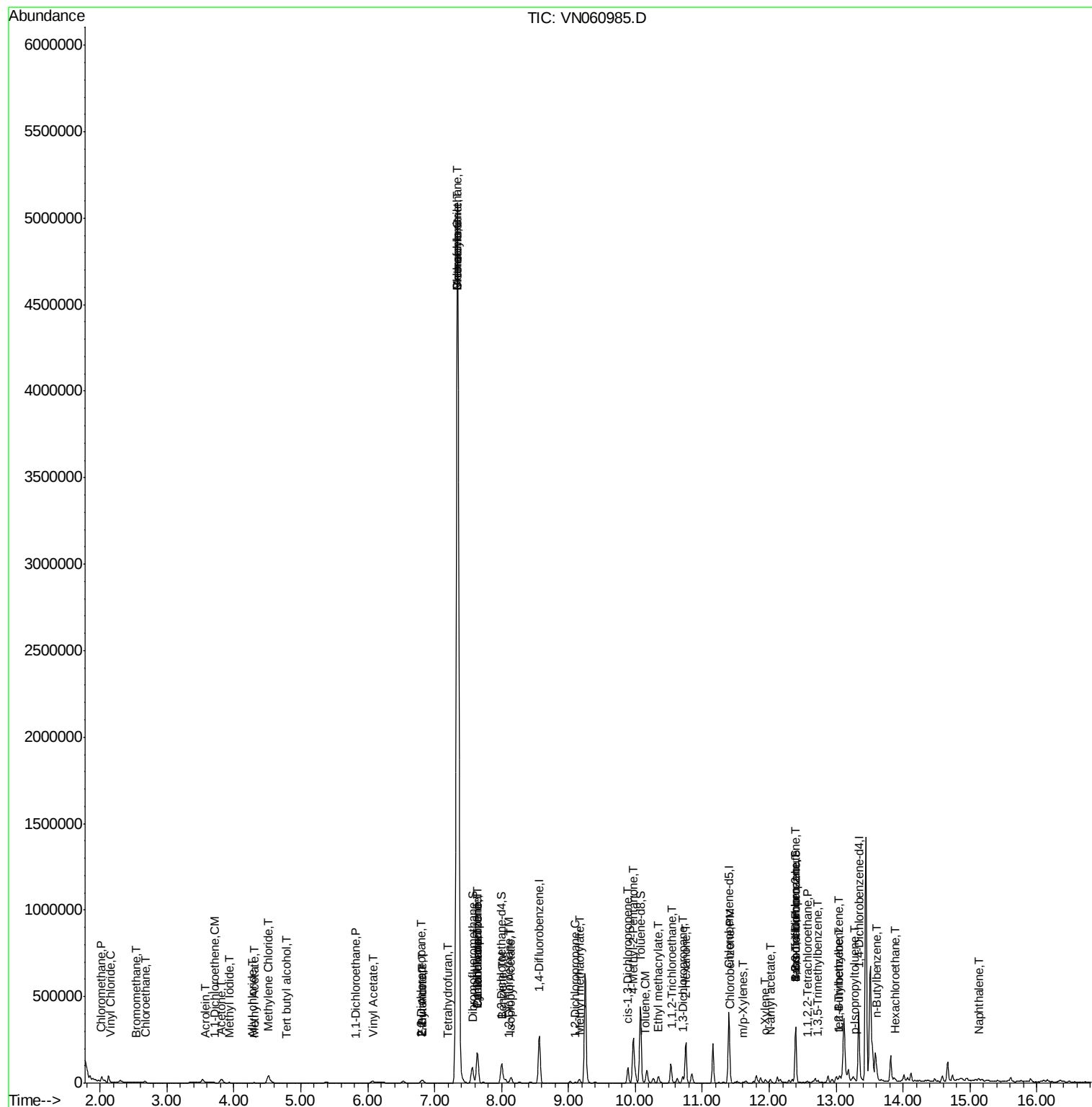
57) 1,3-Dichloropropane	10.70	76	896	0.321	uq/l #	84
59) 2-Hexanone	10.75	43	39193	23.383	uq/l #	57
65) Chlorobenzene	11.42	112	3913	0.881	uq/l	98
68) m/p-Xylenes	11.61	106	1274	0.415	uq/l	86
69) o-Xylene	11.94	106	1044	0.356	uq/l	87
71) Bromoform	12.39	173	120	1.767	uq/l #	1
74) N-amyl acetate	12.02	43	10887	2.992	uq/l #	54
75) 1,1,2,2-Tetrachloroethane	12.56	83	609	0.256	uq/l #	62
76) 1,2,3-Trichloropropane	12.39	75	57010	25.176	uq/l #	100
80) 1,3,5-Trimethylbenzene	12.72	105	1878	0.281	uq/l	95
81) trans-1,4-Dichloro-2-buten	12.39	75	57010	64.658	uq/l #	13
83) tert-Butylbenzene	13.03	119	1152	0.208	uq/l #	56
84) 1,2,4-Trimethylbenzene	13.04	105	16633	2.516	uq/l	71
86) p-Isopropyltoluene	13.28	119	1776	0.265	uq/l #	71
89) n-Butylbenzene	13.61	91	2425	0.401	uq/l #	55
90) Hexachloroethane	13.89	117	325	0.334	uq/l #	8
92) 1,2-Dibromo-3-Chloropropan	14.46	75	62	Below Cal	#	3
95) Naphthalene	15.13	128	11003	1.861	uq/l	99

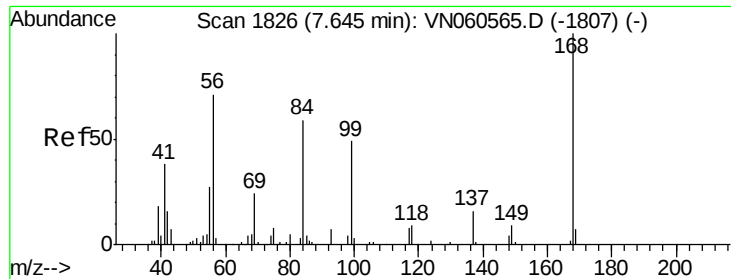
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN041520\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.01 min

Lab File: VN060985.D

Acq: 16 Apr 2020 00:33

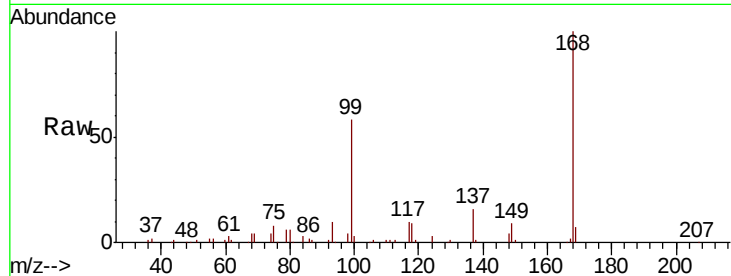
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 141910

Ion Ratio Lower Upper

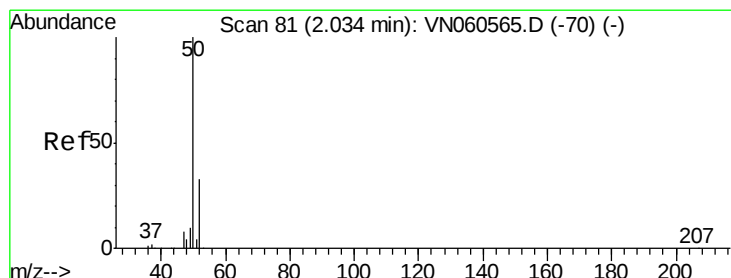
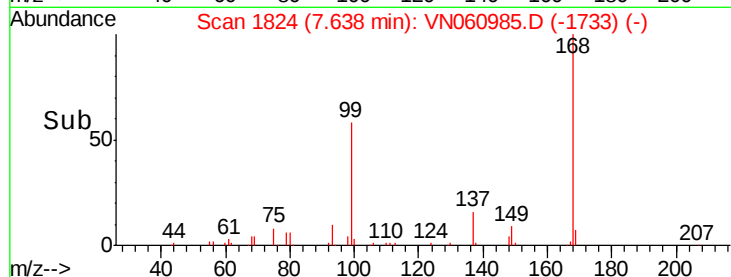
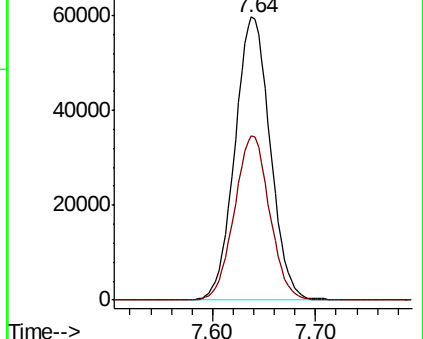
168 100

99 58.1 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#3

Chloromethane

Concen: 4.017 ug/l

RT: 2.03 min Scan# 79

Delta R.T. -0.01 min

Lab File: VN060985.D

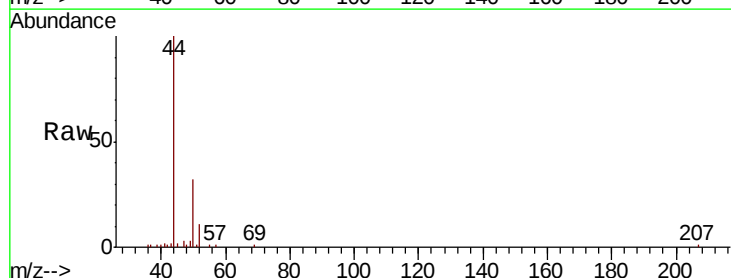
Acq: 16 Apr 2020 00:33

Tgt Ion: 50 Resp: 10301

Ion Ratio Lower Upper

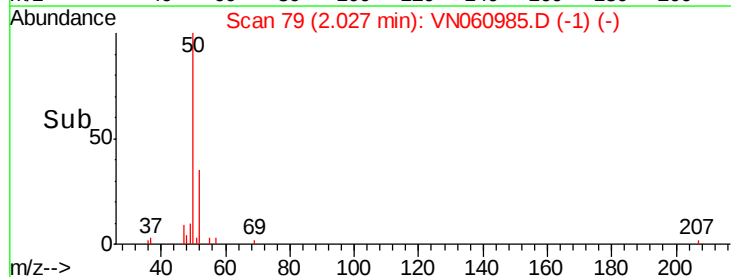
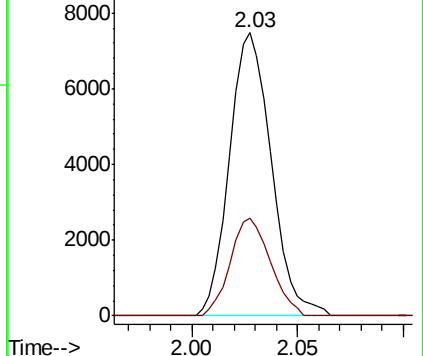
50 100

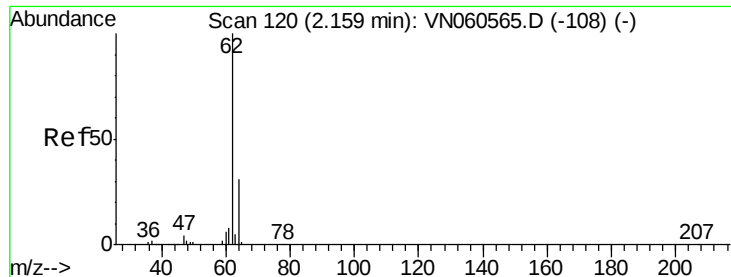
52 34.5 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN





#4

Vinyl Chloride

Concen: 0.756 ug/l

RT: 2.16 min Scan# 120

Delta R.T. -0.00 min

Lab File: VN060985.D

Acq: 16 Apr 2020 00:33

Instrument :

MSVOA_N

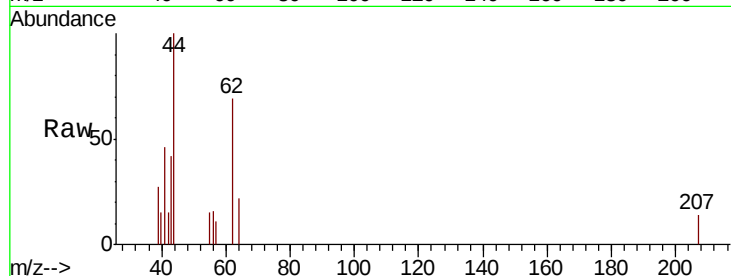
ClientSampled :

Tot Ion: 62 Resp: 1516

Ion Ratio Lower Upper

62 100

64 32.2 24.7 37.1



Abundance Ion 61.90 (61.60 to 62.60): VN060985.D (-108) (-)

Ion 63.90 (63.60 to 64.60): VN060985.D (-108) (-)

2.16

1200

1000

800

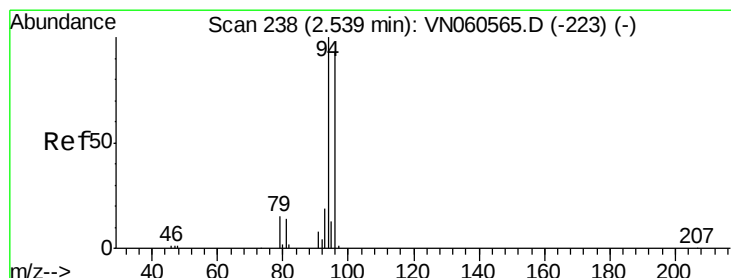
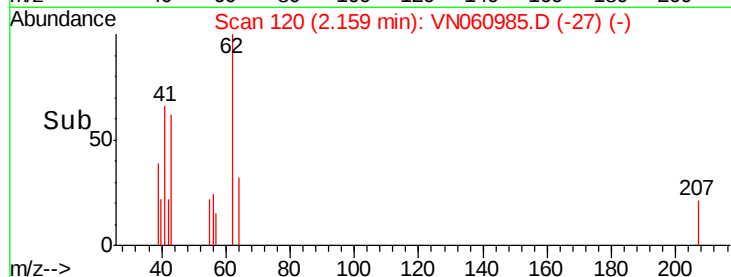
600

400

200

0

Time-->



#5

Bromomethane

Concen: 0.512 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN060985.D

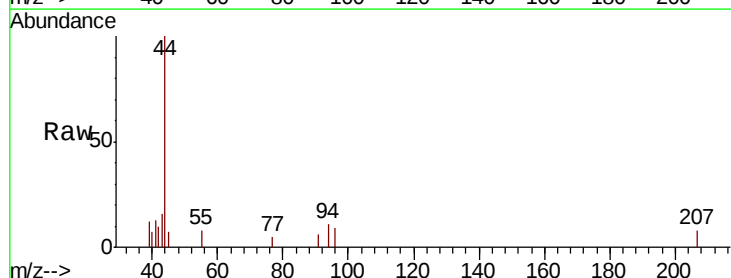
Acq: 16 Apr 2020 00:33

Tgt Ion: 94 Resp: 443

Ion Ratio Lower Upper

94 100

96 88.7 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN060985.D (-223) (-)

Ion 95.90 (95.60 to 96.60): VN060985.D (-223) (-)

2.54

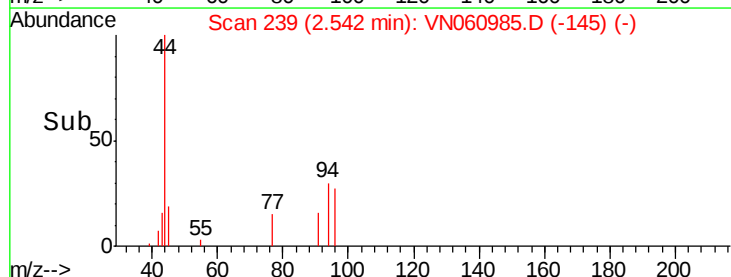
300

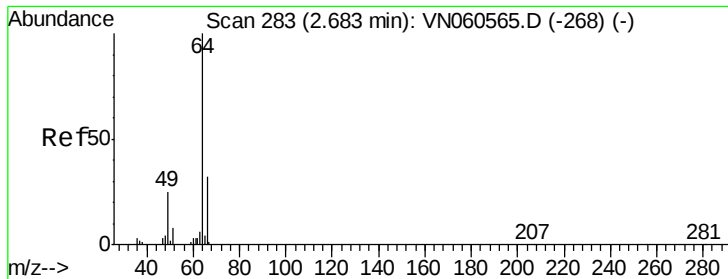
200

100

0

Time-->





#6

Chloroethane

Concen: 6.552 ug/l

RT: 2.67 min Scan# 280

Delta R.T. -0.01 min

Lab File: VN060985.D

Acq: 16 Apr 2020 00:33

Instrument :

MSVOA_N

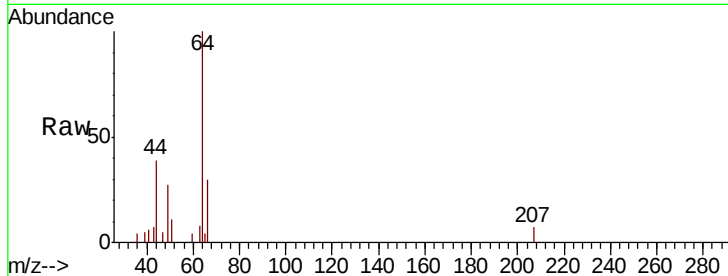
ClientSampleId :

Tot Ion: 64 Resp: 7571

Ion Ratio Lower Upper

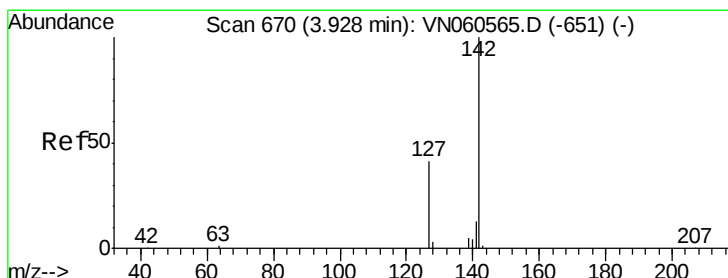
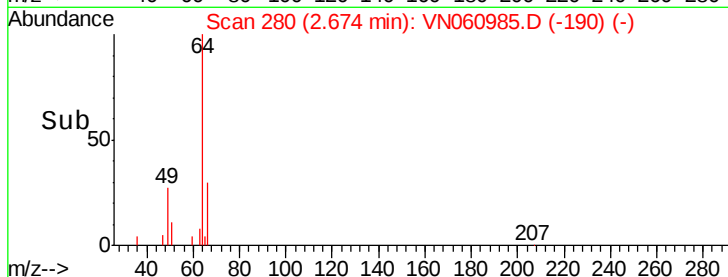
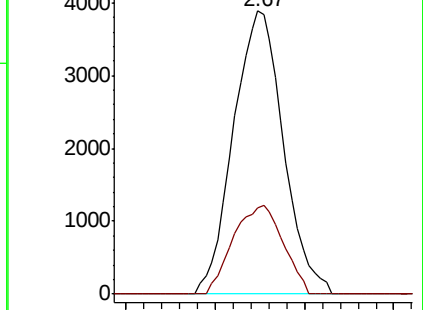
64 100

66 30.4 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN060985.D (-190) (-)

Ion 65.90 (65.60 to 66.60): VN060985.D (-190) (-)



#10

Methyl Iodide

Concen: 0.260 ug/l

RT: 3.92 min Scan# 669

Delta R.T. -0.00 min

Lab File: VN060985.D

Acq: 16 Apr 2020 00:33

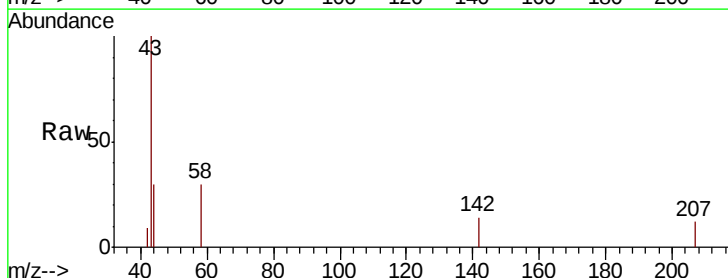
Tgt Ion: 142 Resp: 331

Ion Ratio Lower Upper

142 100

127 0.0 33.5 50.3#

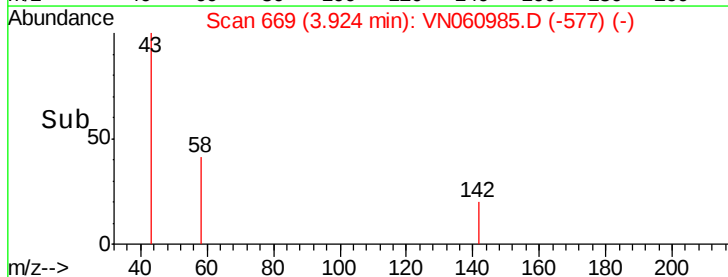
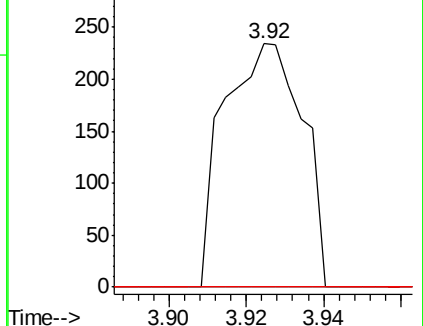
141 0.0 11.0 16.6#

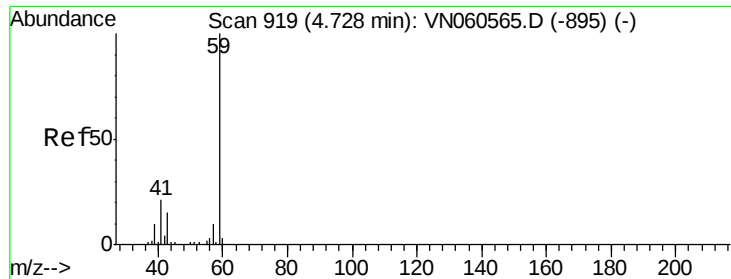


Abundance Ion 141.80 (141.50 to 142.50): VN060985.D (-577) (-)

Ion 126.80 (126.50 to 127.50): VN060985.D (-577) (-)

Ion 140.80 (140.50 to 141.50): VN060985.D (-577) (-)



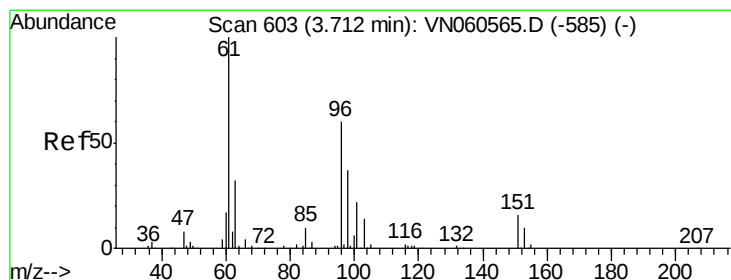
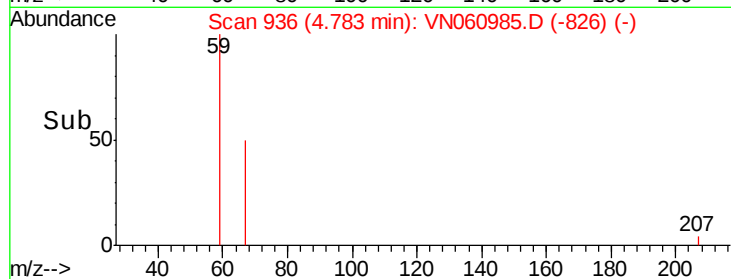
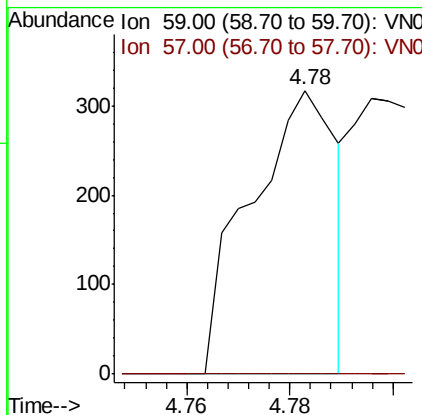
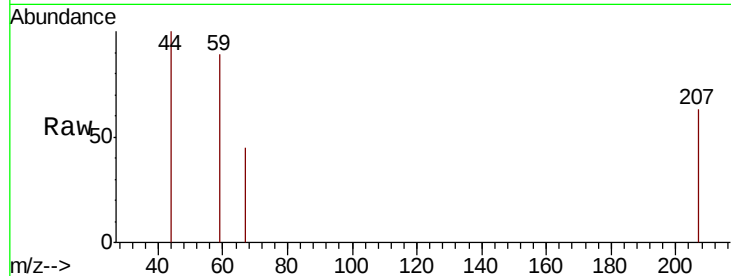


#11

Tert butyl alcohol
Concen: 1.277 ug/l
RT: 4.78 min Scan# 936
Delta R.T. 0.05 min
Lab File: VN060985.D
Acq: 16 Apr 2020 00:33

Instrument :
MSVOA_N
ClientSampleId :

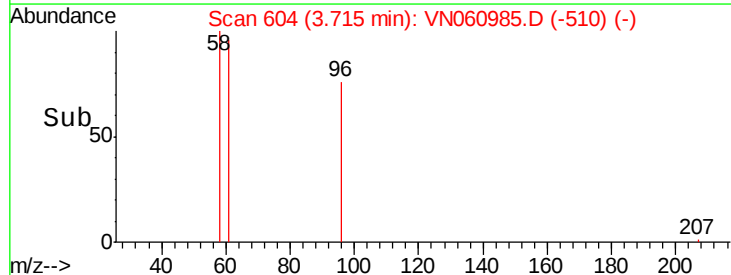
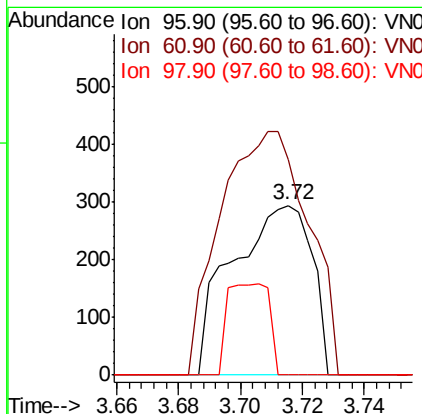
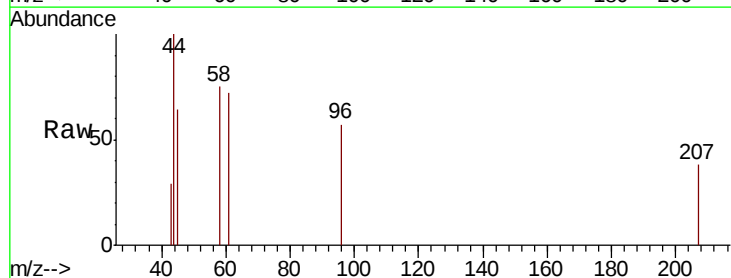
Tot Ion: 59 Resp: 366
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

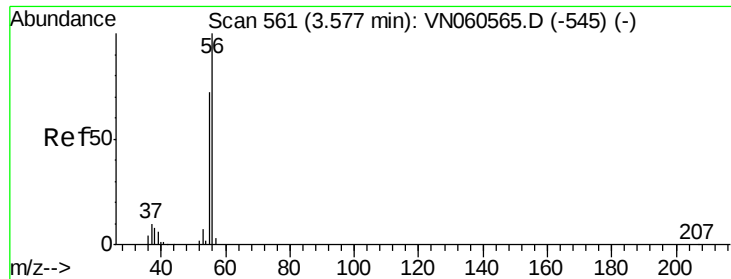


#12

1,1-Dichloroethene
Concen: 0.344 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN060985.D
Acq: 16 Apr 2020 00:33

Tgt Ion: 96 Resp: 528
Ion Ratio Lower Upper
96 100
61 126.9 134.1 201.1#
98 0.0 49.9 74.9#





#13

Acrolein

Concen: 1.764 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.01 min

Lab File: VN060985.D

Acq: 16 Apr 2020 00:33

Instrument :

MSVOA_N

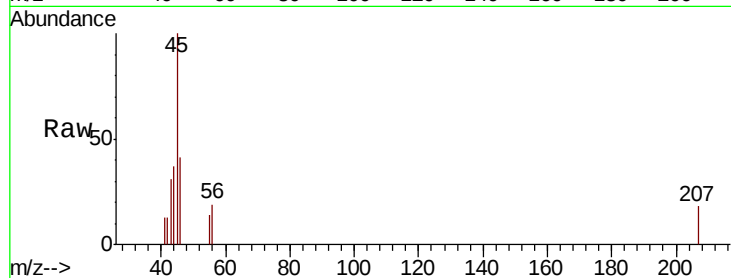
ClientSampled :

Tot Ion: 56 Resp: 560

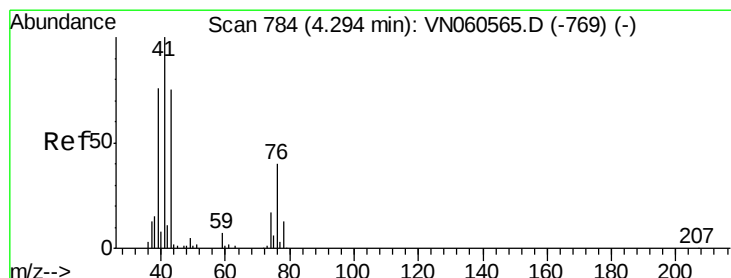
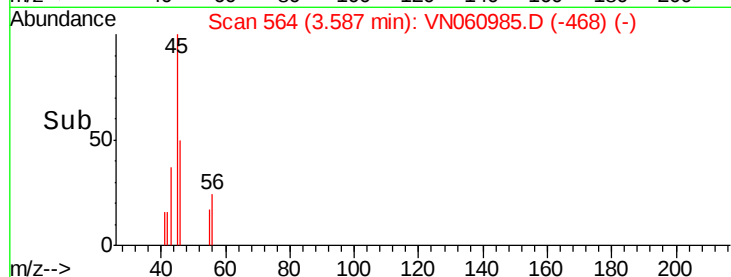
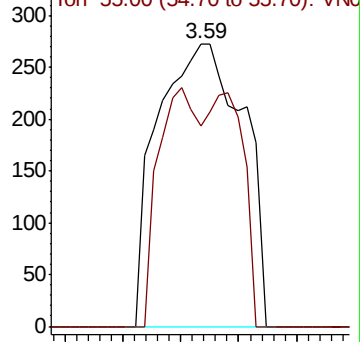
Ion Ratio Lower Upper

56 100

55 40.9 56.7 85.1#



Abundance Ion 56.00 (55.70 to 56.70): VN060985.D (-545) (-)



#14

Allyl chloride

Concen: 0.854 ug/l

RT: 4.26 min Scan# 774

Delta R.T. -0.03 min

Lab File: VN060985.D

Acq: 16 Apr 2020 00:33

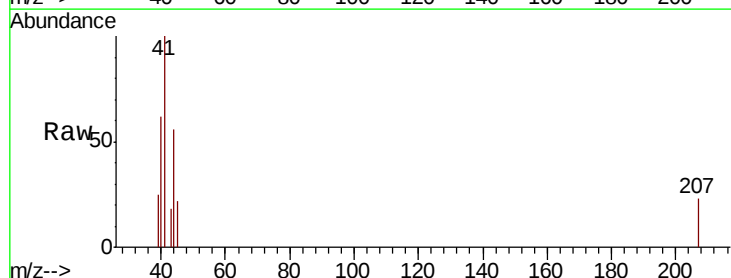
Tgt Ion: 41 Resp: 2309

Ion Ratio Lower Upper

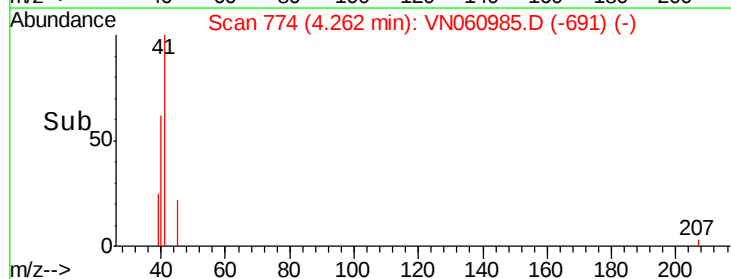
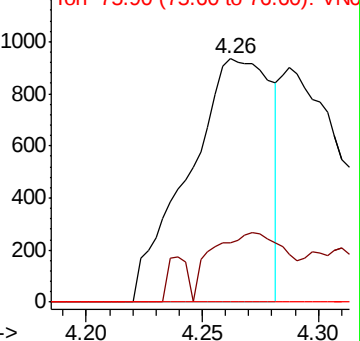
41 100

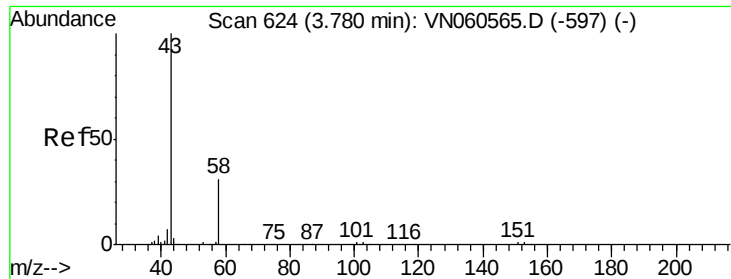
39 25.8 57.8 86.8#

76 0.0 28.6 43.0#



Abundance Ion 41.00 (40.70 to 41.70): VN060985.D (-769) (-)





#16

Acetone

Concen: 62.625 ug/l

RT: 3.81 min Scan# 634

Delta R.T. 0.03 min

Lab File: VN060985.D

Acq: 16 Apr 2020 00:33

Instrument :

MSVOA_N

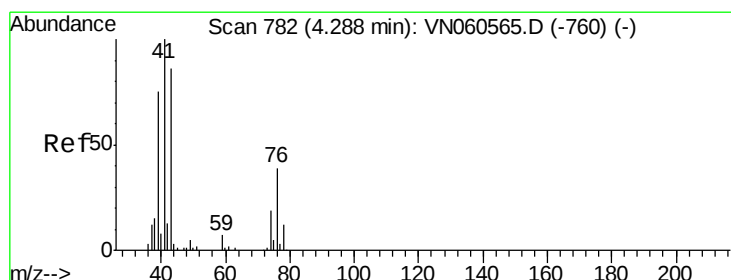
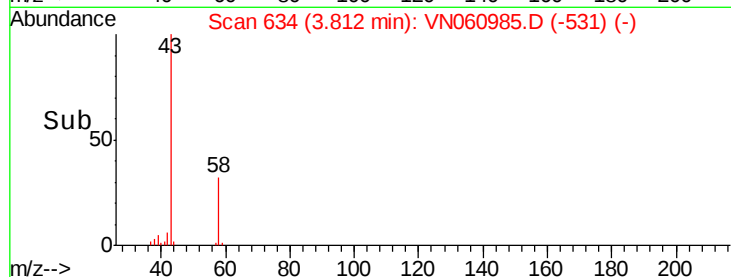
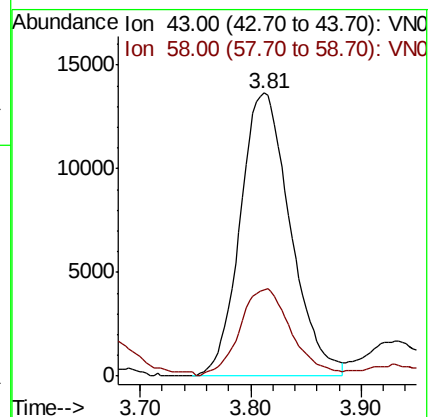
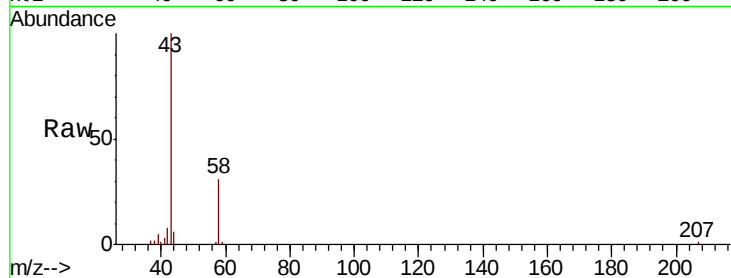
ClientSampled :

Tot Ion: 43 Resp: 43215

Ion Ratio Lower Upper

43 100

58 29.3 25.1 37.7



#18

Methyl Acetate

Concen: 1.396 ug/l

RT: 4.31 min Scan# 790

Delta R.T. 0.03 min

Lab File: VN060985.D

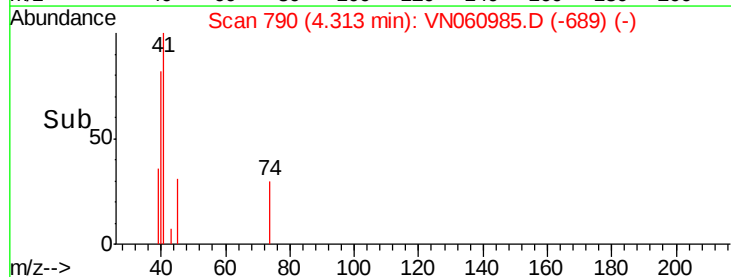
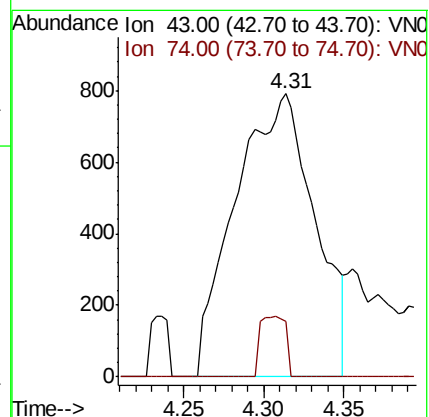
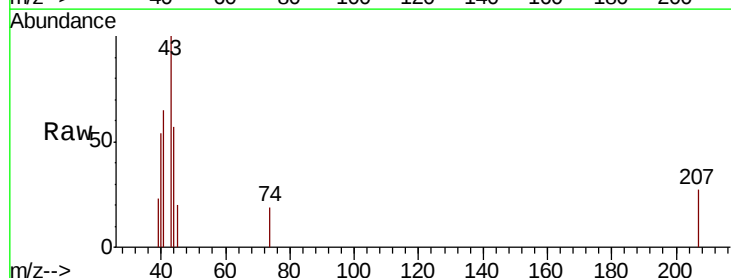
Acq: 16 Apr 2020 00:33

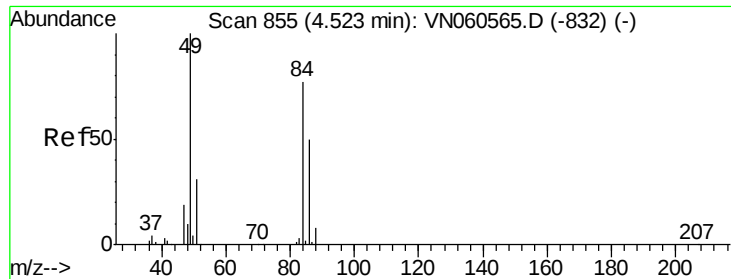
Tgt Ion: 43 Resp: 2711

Ion Ratio Lower Upper

43 100

74 6.9 17.5 26.3#

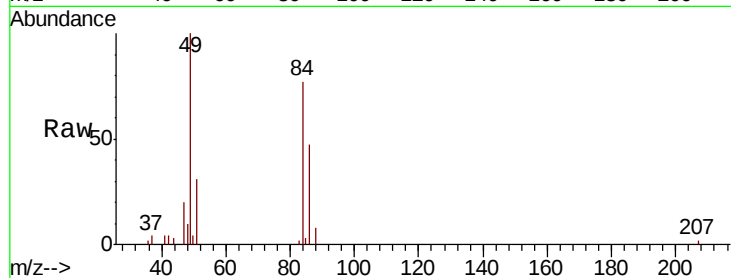




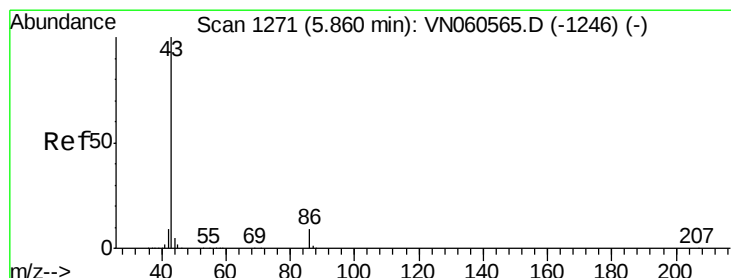
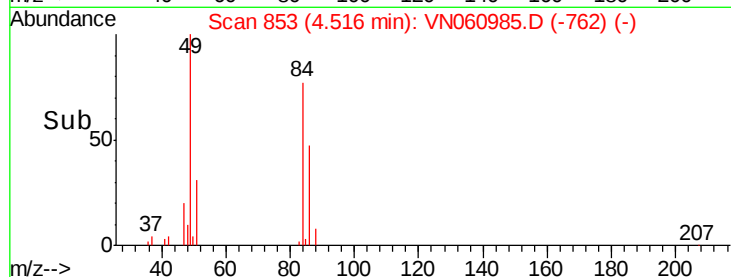
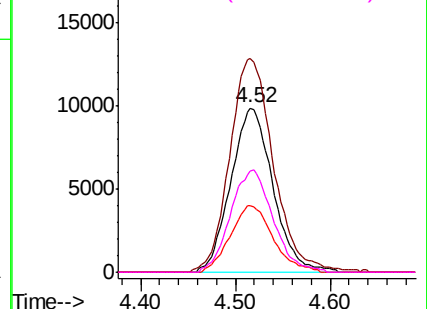
#20
Methvlene Chloride
Concen: 18.041 ug/l
RT: 4.52 min Scan# 853
Delta R.T. -0.01 min
Lab File: VN060985.D
Acq: 16 Apr 2020 00:33

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 84 Resp: 30624
Ion Ratio Lower Upper
84 100
49 128.6 103.3 154.9
51 40.8 31.6 47.4
86 61.6 52.0 78.0

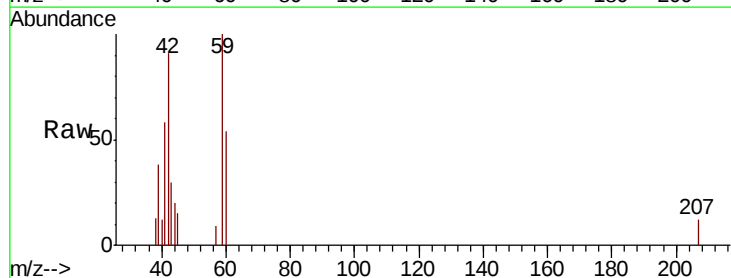


Abundance Ion 83.90 (83.60 to 84.60): VN0
Ion 48.90 (48.60 to 49.60): VN0
Ion 50.90 (50.60 to 51.60): VN0
Ion 85.90 (85.60 to 86.60): VN0

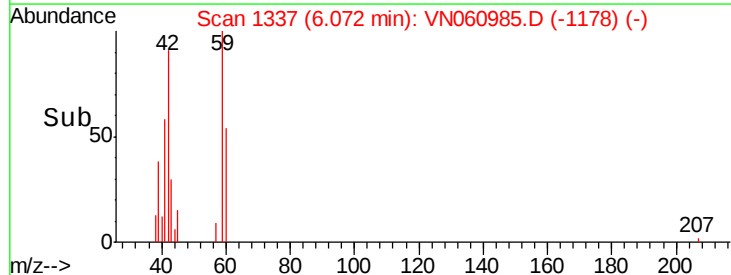
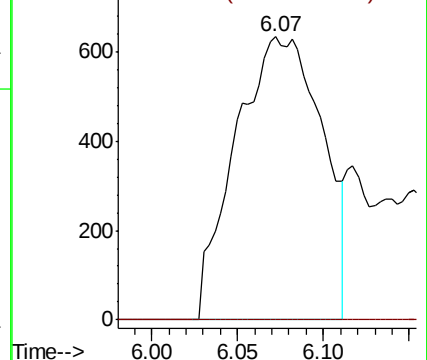


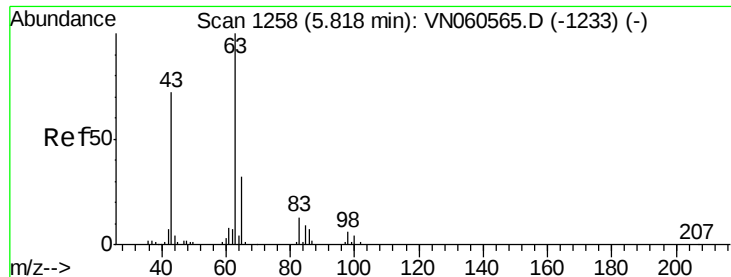
#23
Vinyl Acetate
Concen: 0.477 ug/l
RT: 6.07 min Scan# 1337
Delta R.T. 0.21 min
Lab File: VN060985.D
Acq: 16 Apr 2020 00:33

Tgt Ion: 43 Resp: 2223
Ion Ratio Lower Upper
43 100
86 0.0 7.6 11.4#



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 86.00 (85.70 to 86.70): VN0





#24

1,1-Dichloroethane

Concen: 0.625 ug/l

RT: 5.81 min Scan# 1256

Delta R.T. -0.01 min

Lab File: VN060985.D

Acq: 16 Apr 2020 00:33

Instrument :
MSVOA_N
ClientSampleId :

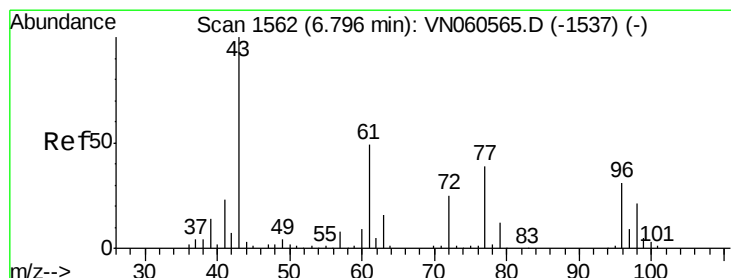
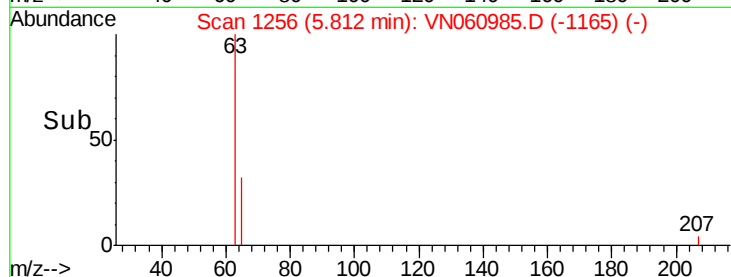
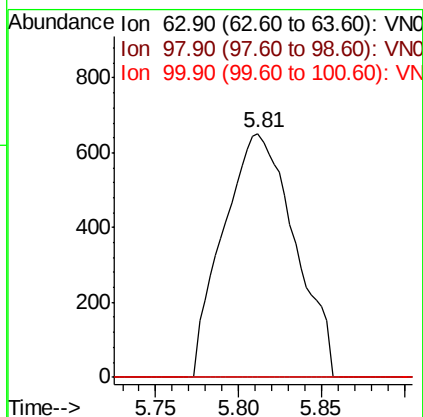
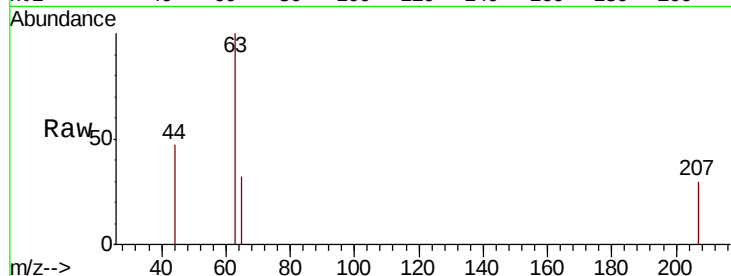
Tot Ion: 63 Resp: 1945

Ion Ratio Lower Upper

63 100

98 0.0 2.9 8.7#

100 0.0 1.8 5.5#



#25

2-Butanone

Concen: 22.389 ug/l

RT: 6.81 min Scan# 1568

Delta R.T. 0.02 min

Lab File: VN060985.D

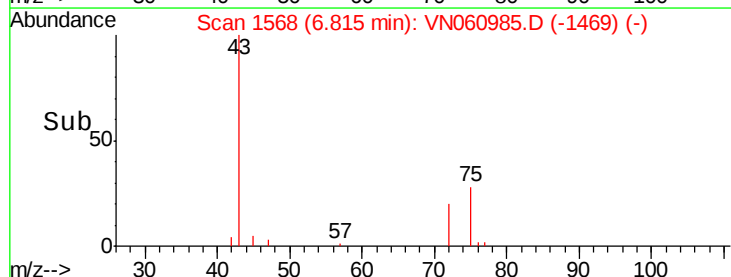
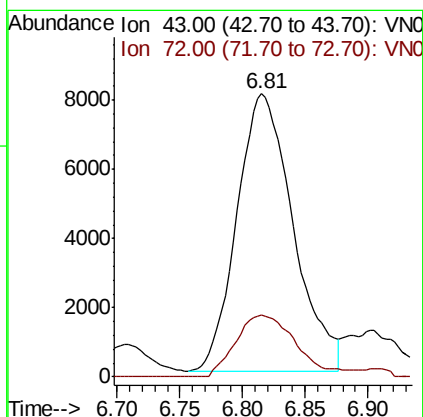
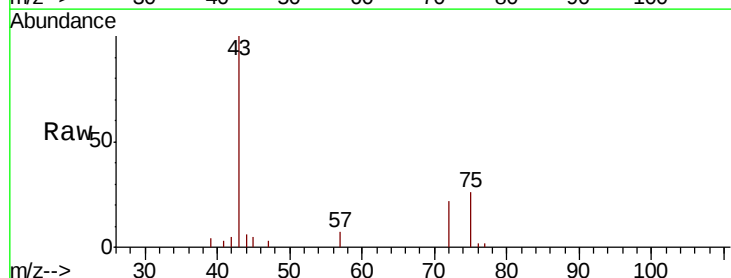
Acq: 16 Apr 2020 00:33

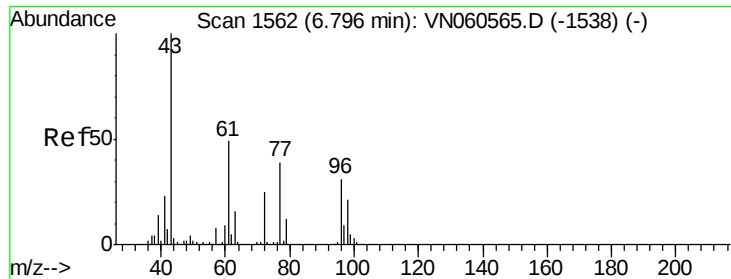
Tgt Ion: 43 Resp: 25000

Ion Ratio Lower Upper

43 100

72 22.2 20.4 30.6

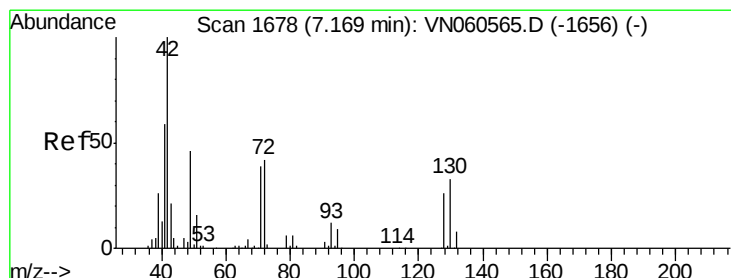
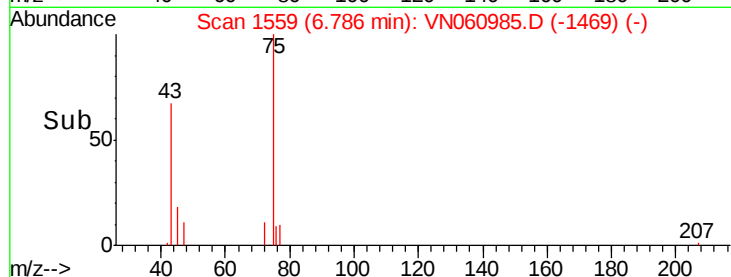
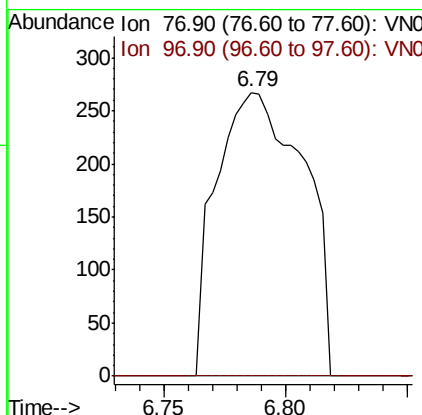
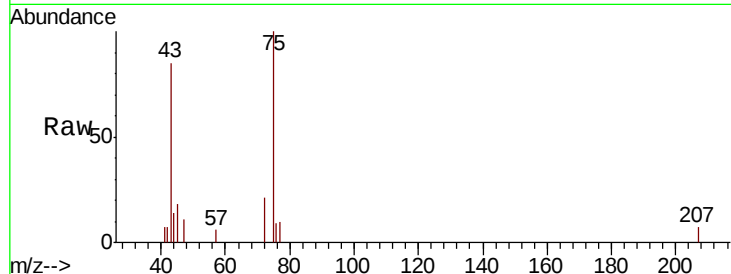




#26
 2,2-Dichloropropane
 Concen: 0.272 ug/l
 RT: 6.79 min Scan# 1559
 Delta R.T. -0.01 min
 Lab File: VN060985.D
 Acq: 16 Apr 2020 00:33

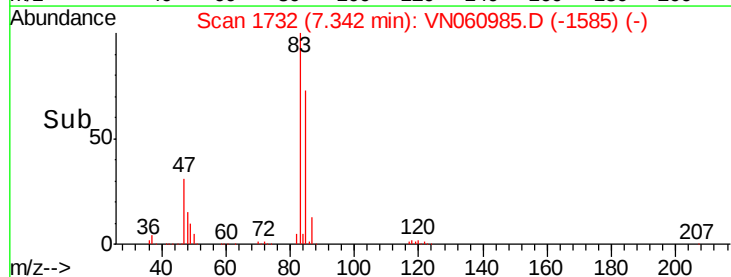
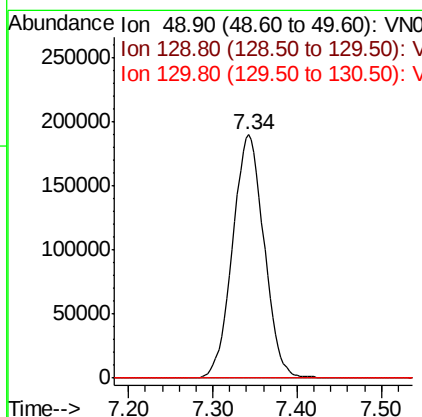
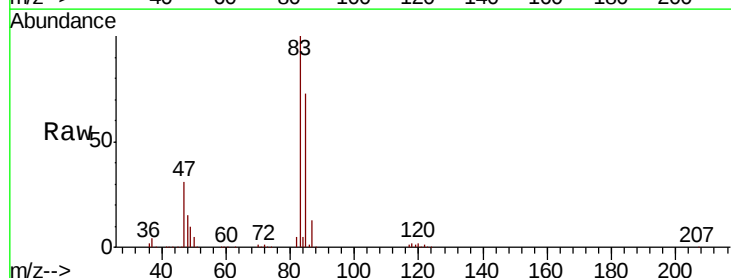
Instrument :
 MSVOA_N
 ClientSampleId :

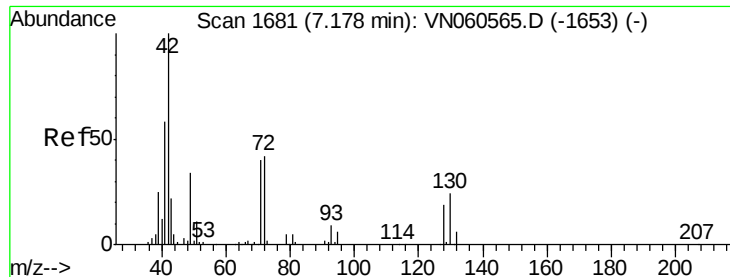
Tot Ion: 77 Resp: 665
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.4 34.1#



#28
 Bromochloromethane
 Concen: 332.142 ug/l
 RT: 7.34 min Scan# 1732
 Delta R.T. 0.17 min
 Lab File: VN060985.D
 Acq: 16 Apr 2020 00:33

Tgt Ion: 49 Resp: 494578
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 3.4
 130 0.0 55.0 82.4#

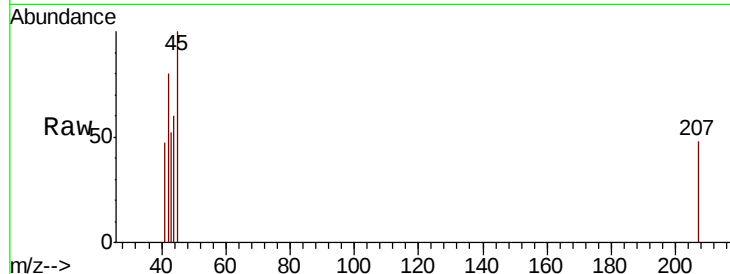




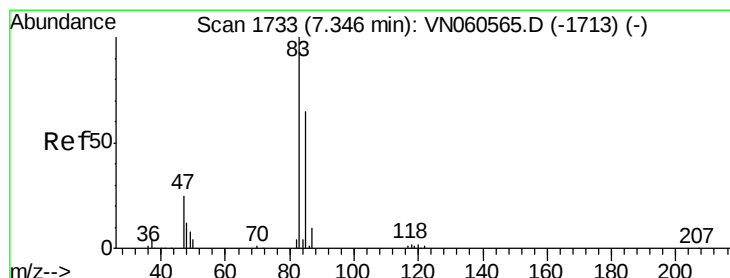
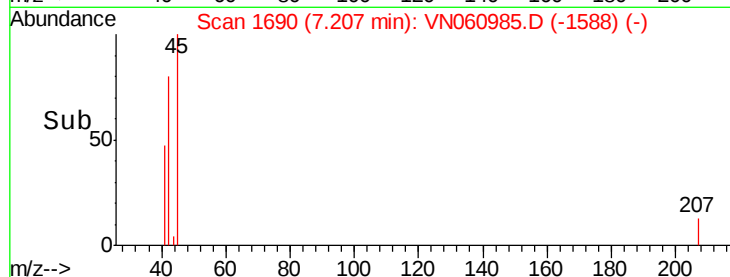
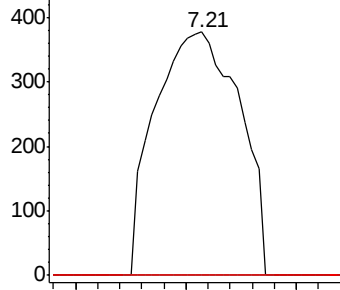
#29
Tetrahydrofuran
Concen: 1.268 ug/l
RT: 7.21 min Scan# 1690
Delta R.T. 0.03 min
Lab File: VN060985.D
Acq: 16 Apr 2020 00:33

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 42 Resp: 1002
Ion Ratio Lower Upper
42 100
72 0.0 33.2 49.8#
71 0.0 31.1 46.7#

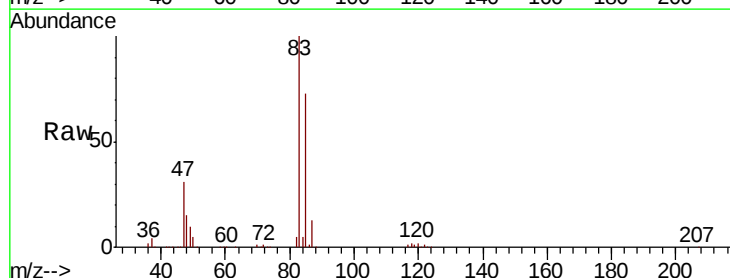


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

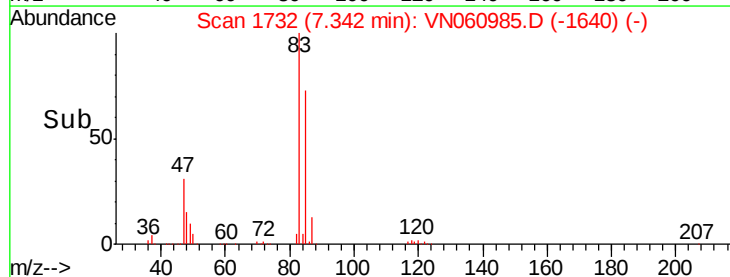
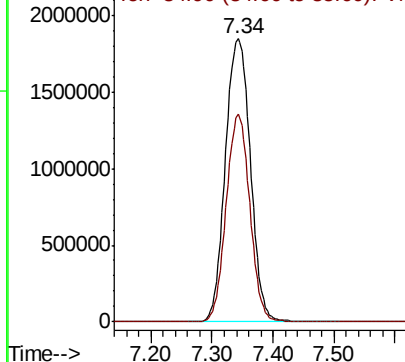


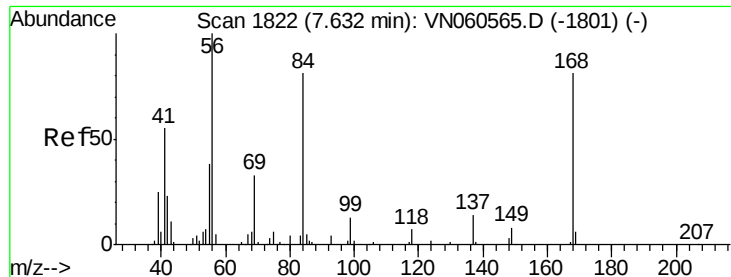
#30
Chloroform
Concen: 1765.161 ug/l
RT: 7.34 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VN060985.D
Acq: 16 Apr 2020 00:33

Tgt Ion: 83 Resp: 5266585
Ion Ratio Lower Upper
83 100
85 73.2 51.8 77.8



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0

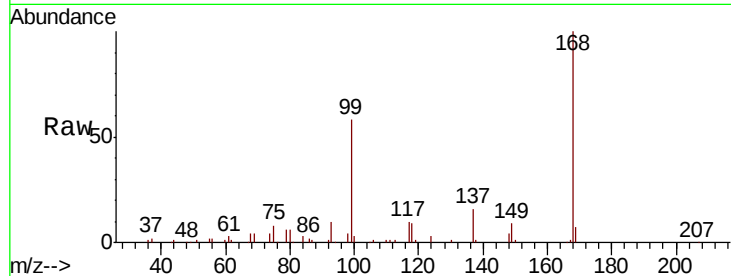




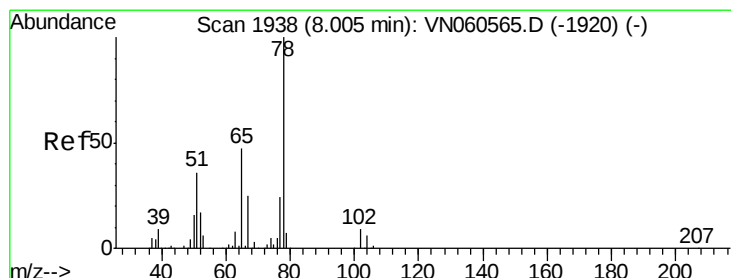
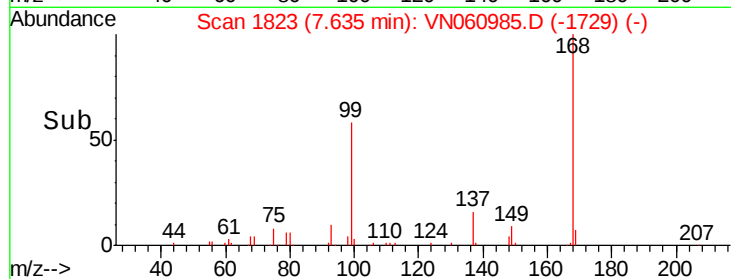
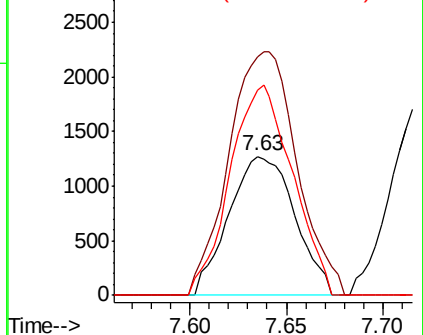
#31
Cyclohexane
Concen: 0.959 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VN060985.D
Acq: 16 Apr 2020 00:33

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 3008
Ion Ratio Lower Upper
56 100
69 171.5 26.6 40.0#
84 147.4 64.3 96.5#

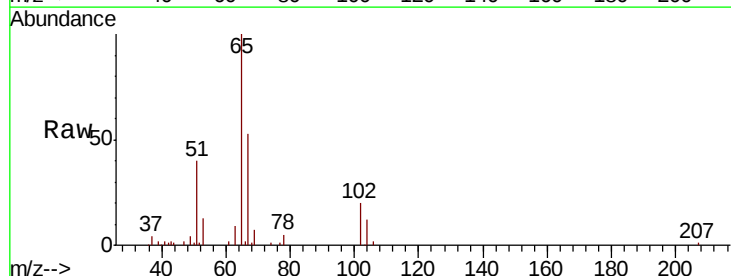


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

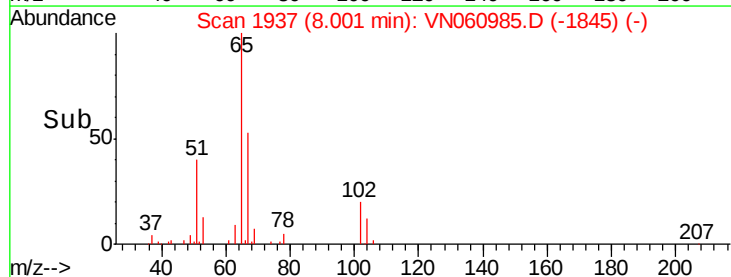
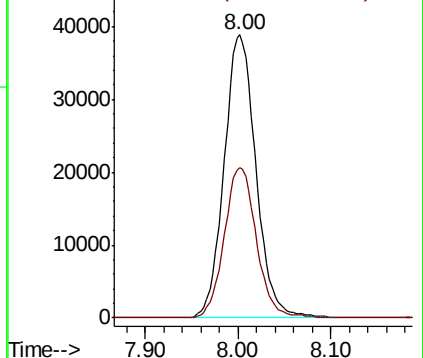


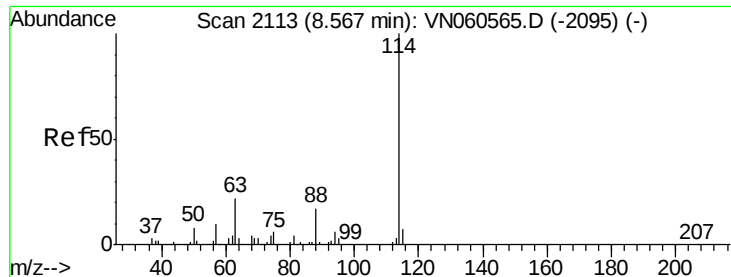
#33
1,2-Dichloroethane-d4
Concen: 47.432 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN060985.D
Acq: 16 Apr 2020 00:33

Tgt Ion: 65 Resp: 92403
Ion Ratio Lower Upper
65 100
67 53.7 0.0 107.6



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

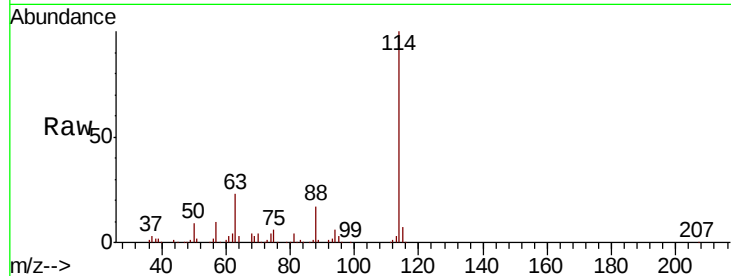




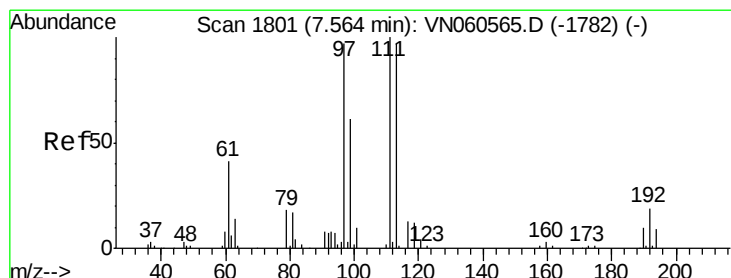
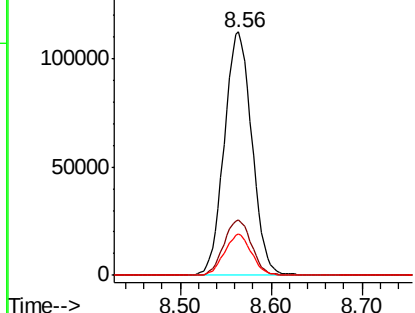
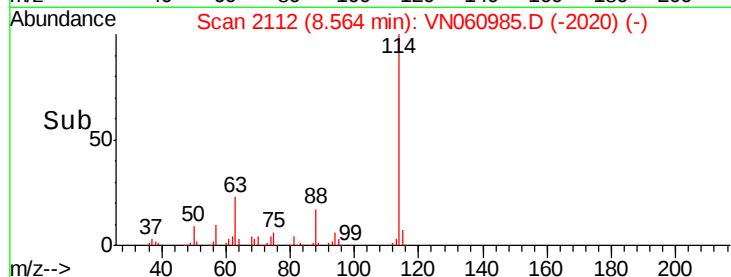
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060985.D
 Acq: 16 Apr 2020 00:33

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	22.6	0.0	43.8
88	16.9	0.0	33.0

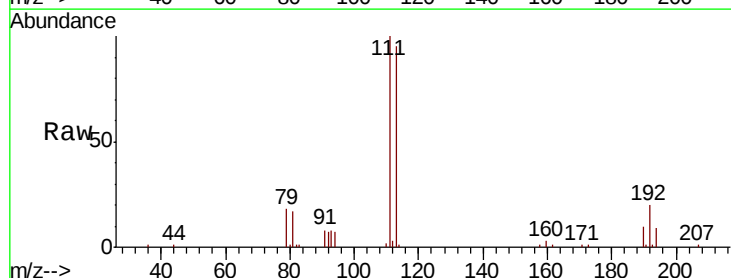


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

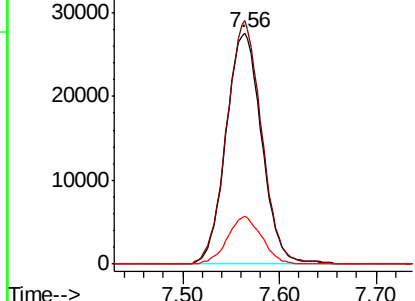
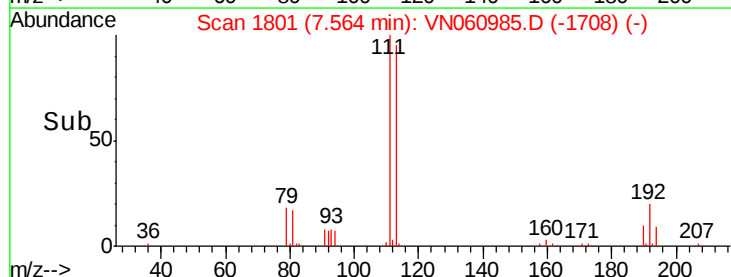


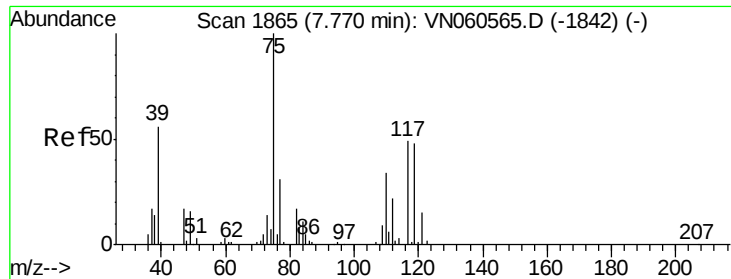
#35
 Dibromofluoromethane
 Concen: 49.352 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060985.D
 Acq: 16 Apr 2020 00:33

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.9	124.3
192	19.8	15.8	23.8



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

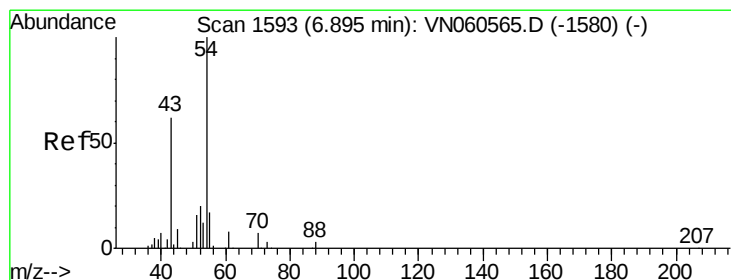
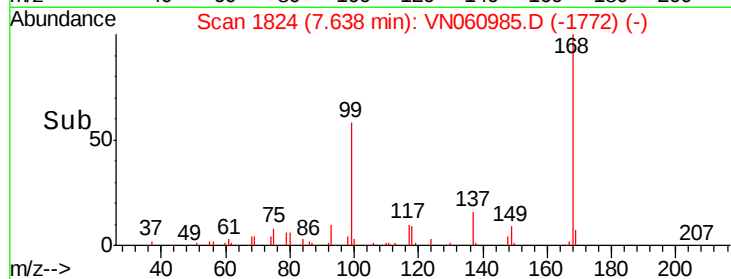
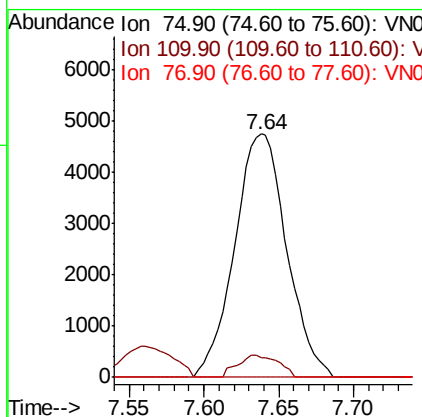
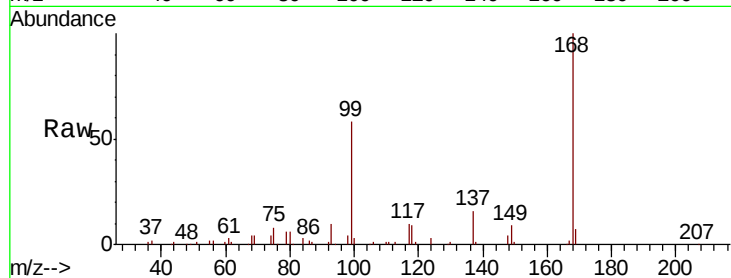




#36
 1,1-Dichloropropene
 Concen: 5.006 ug/l
 RT: 7.64 min Scan# 1824
 Delta R.T. -0.13 min
 Lab File: VN060985.D
 Acq: 16 Apr 2020 00:33

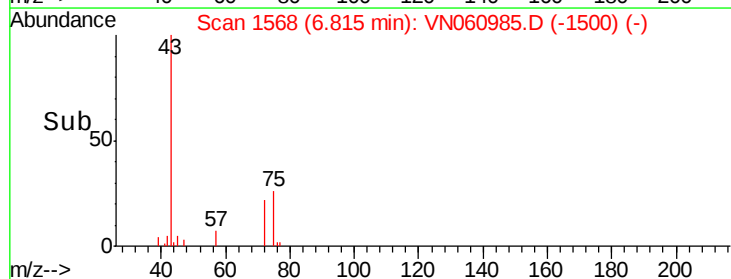
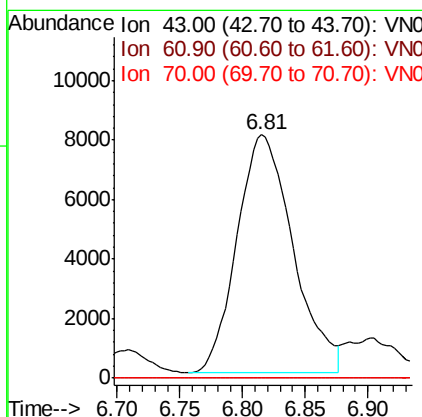
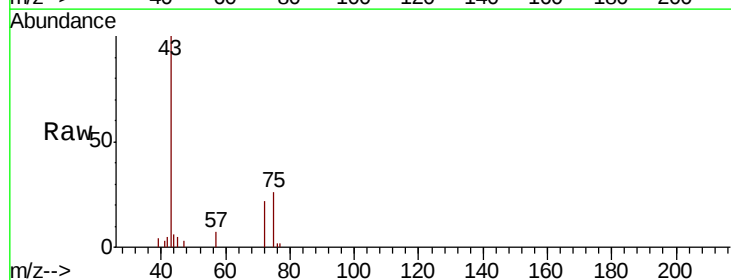
Instrument :
 MSVOA_N
 ClientSampled :

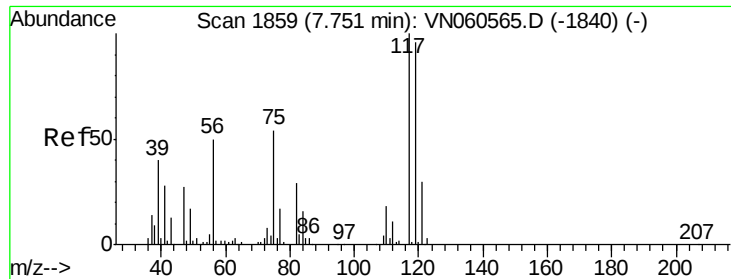
Tot Ion: 75 Resp: 11486
 Ion Ratio Lower Upper
 75 100
 110 7.2 16.9 50.6#
 77 0.0 24.6 36.8#



#37
 Ethyl Acetate
 Concen: 10.083 ug/l
 RT: 6.81 min Scan# 1568
 Delta R.T. -0.08 min
 Lab File: VN060985.D
 Acq: 16 Apr 2020 00:33

Tgt Ion: 43 Resp: 25000
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.6 15.8#
 70 0.0 7.9 11.9#

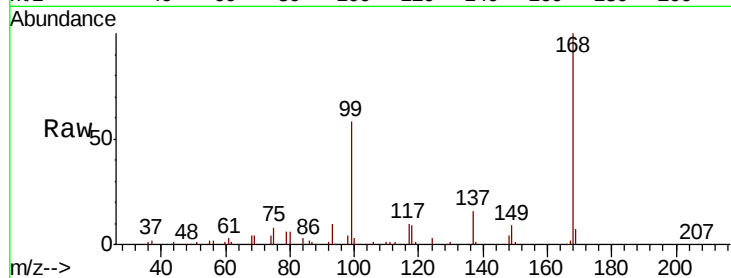




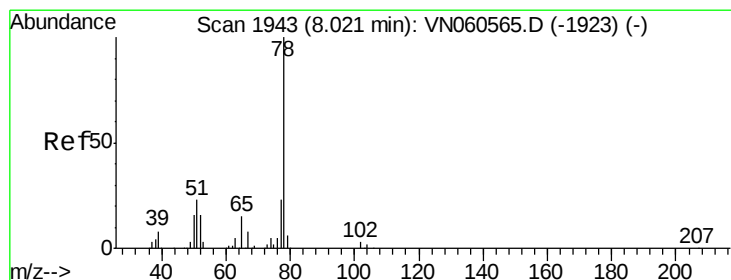
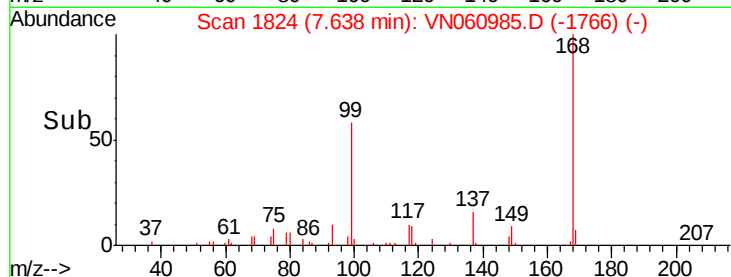
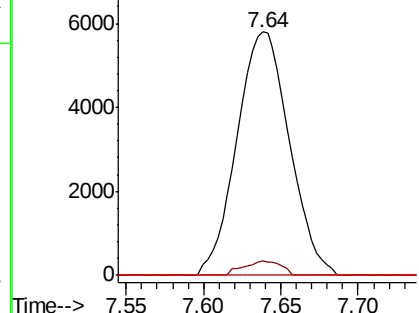
#38
Carbon Tetrachloride
Concen: 6.651 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. -0.11 min
Lab File: VN060985.D
Acq: 16 Apr 2020 00:33

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 13679
Ion Ratio Lower Upper
117 100
119 6.0 76.2 114.2#
121 0.0 23.7 35.5#

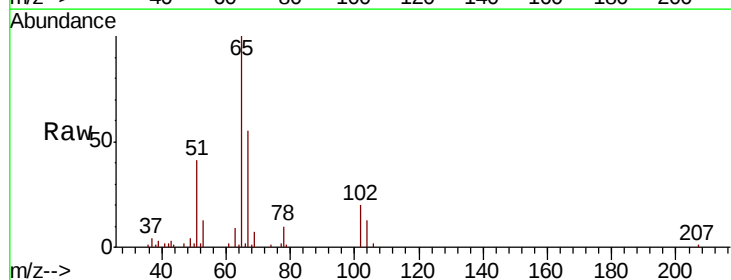


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

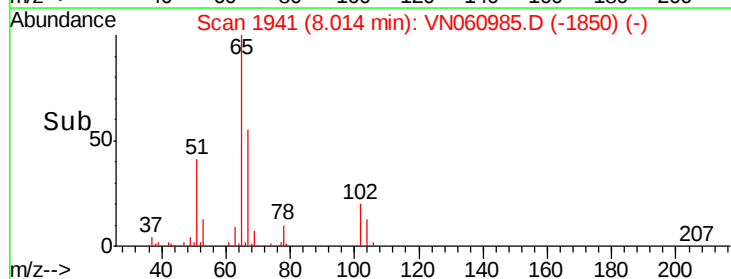
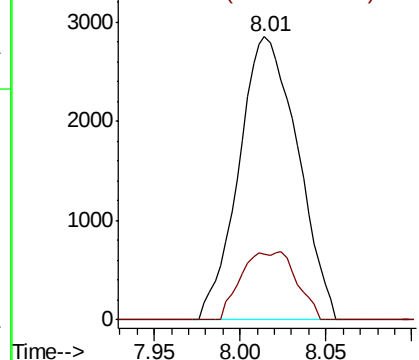


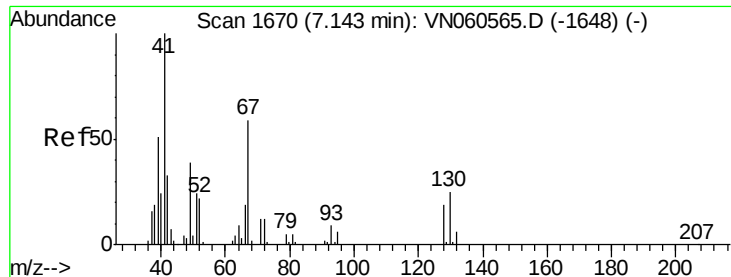
#40
Benzene
Concen: 0.978 ug/l
RT: 8.01 min Scan# 1941
Delta R.T. -0.01 min
Lab File: VN060985.D
Acq: 16 Apr 2020 00:33

Tgt Ion: 78 Resp: 6775
Ion Ratio Lower Upper
78 100
77 23.1 18.6 28.0



Abundance Ion 78.00 (77.70 to 78.70): V
Ion 77.00 (76.70 to 77.70): V

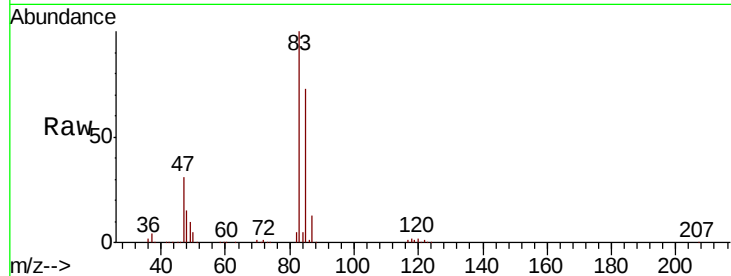




#41
Methacrylonitrile
Concen: 19.916 ug/l
RT: 7.34 min Scan# 1732
Delta R.T. 0.20 min
Lab File: VN060985.D
Acq: 16 Apr 2020 00:33

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	41	Resp:	21074
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0



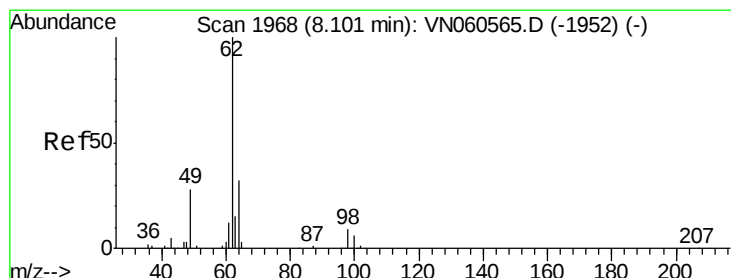
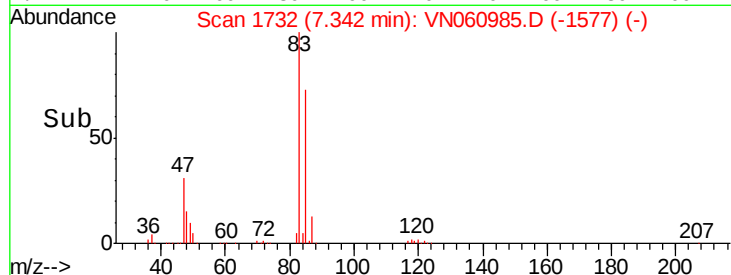
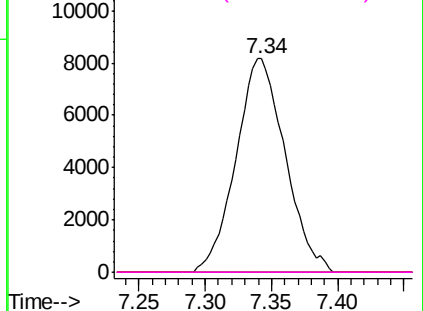
Abundance

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

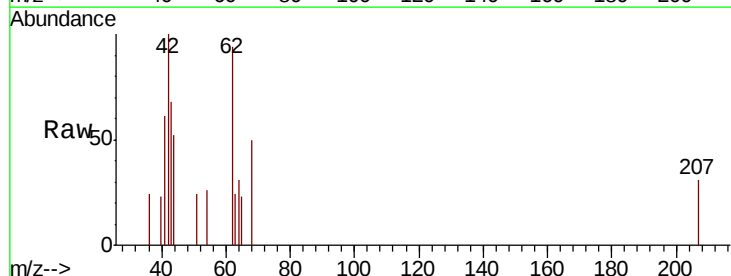
Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#42
1,2-Dichloroethane
Concen: 0.566 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN060985.D
Acq: 16 Apr 2020 00:33

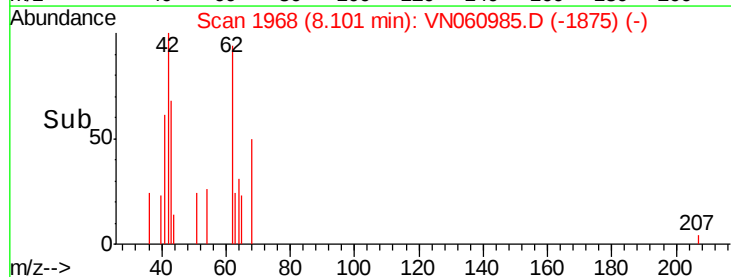
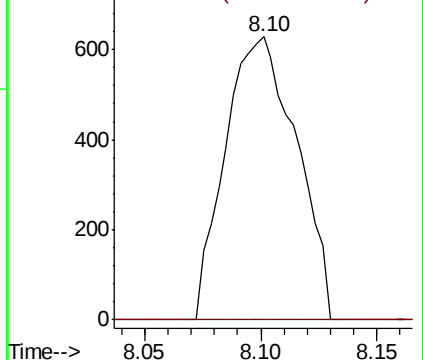
Tgt Ion:	62	Resp:	1340
Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	17.8

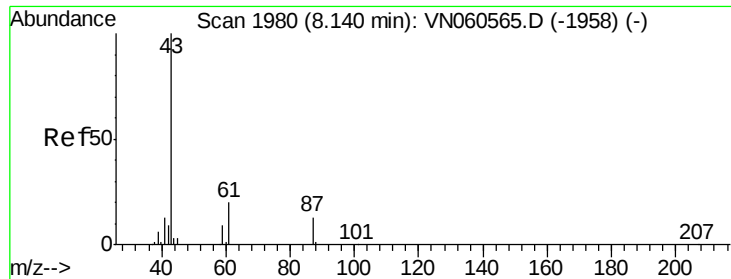


Abundance

Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 10.030 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. -0.00 min

Lab File: VN060985.D

Acq: 16 Apr 2020 00:33

Instrument :

MSVOA_N

ClientSampleId :

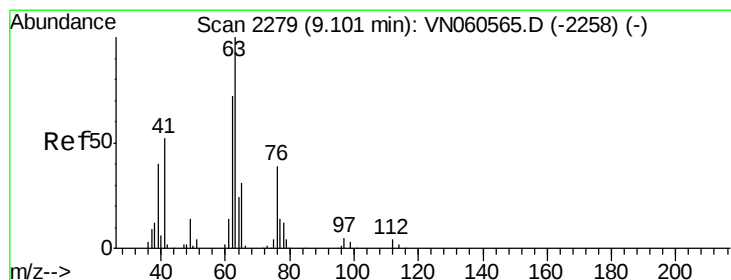
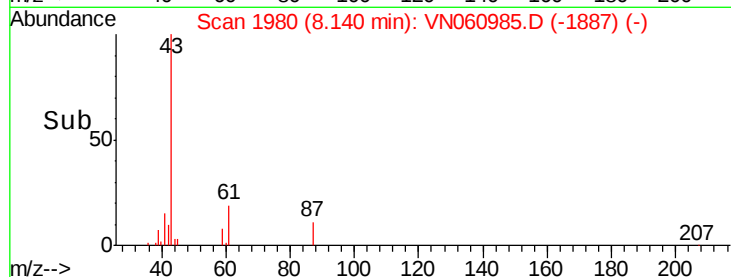
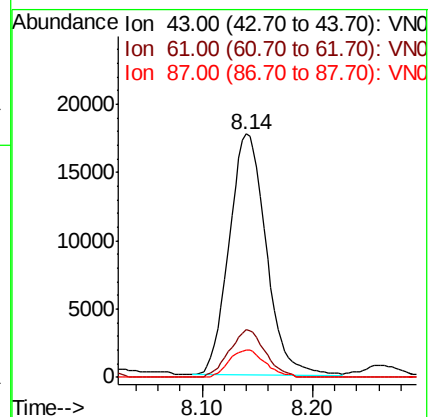
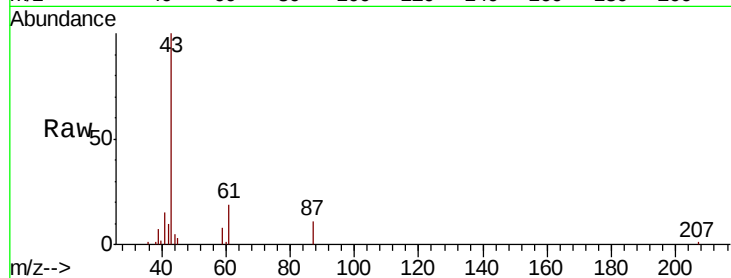
Tot Ion: 43 Resp: 41012

Ion Ratio Lower Upper

43 100

61 18.9 20.7 31.1#

87 11.2 9.8 14.8



#45

1,2-Dichloropropane

Concen: 0.289 ug/l

RT: 9.11 min Scan# 2281

Delta R.T. 0.01 min

Lab File: VN060985.D

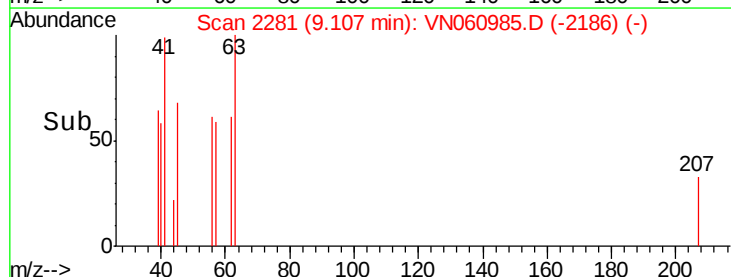
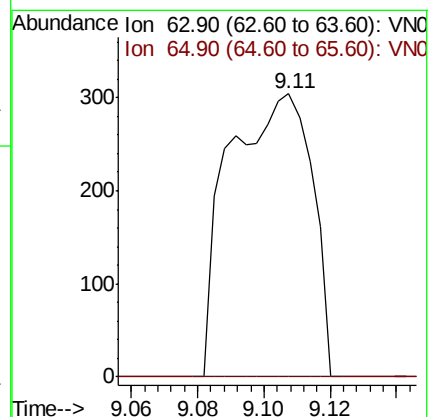
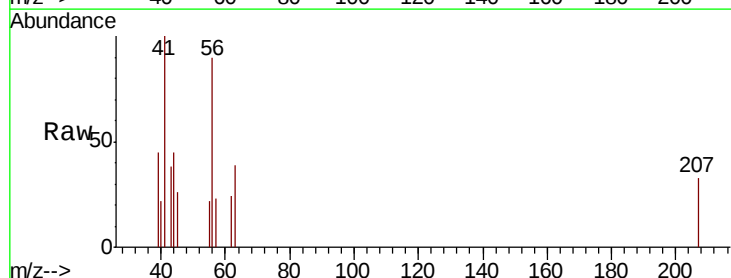
Acq: 16 Apr 2020 00:33

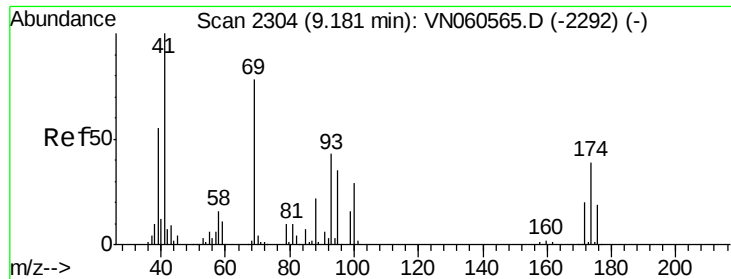
Tgt Ion: 63 Resp: 529

Ion Ratio Lower Upper

63 100

65 0.0 25.4 38.0#

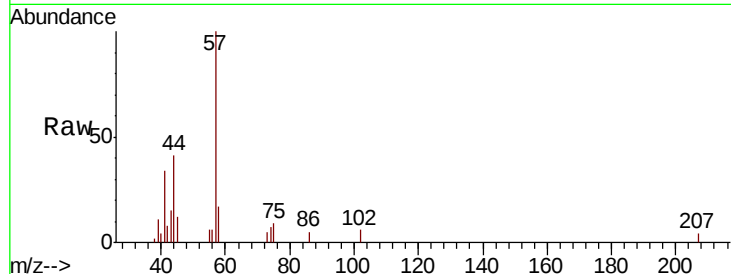




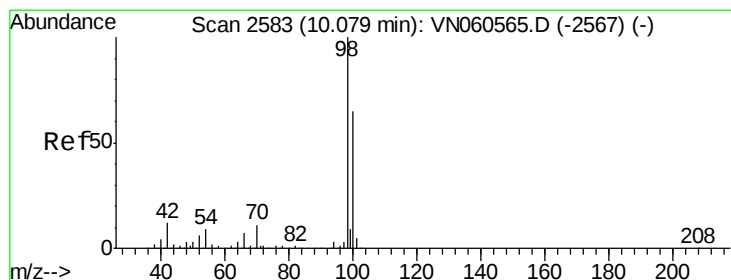
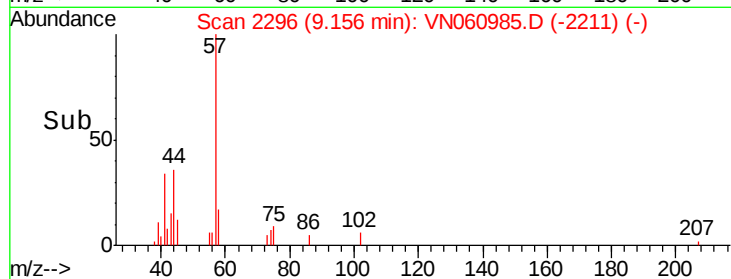
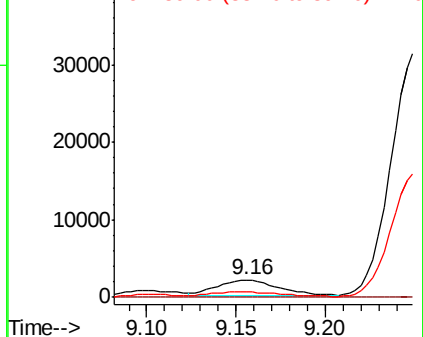
#48
Methvl methacrylate
Concen: 2.518 ug/l
RT: 9.16 min Scan# 2296
Delta R.T. -0.03 min
Lab File: VN060985.D
Acq: 16 Apr 2020 00:33

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 4585
Ion Ratio Lower Upper
41 100
69 0.0 65.4 98.0#
39 44.6 44.0 66.0

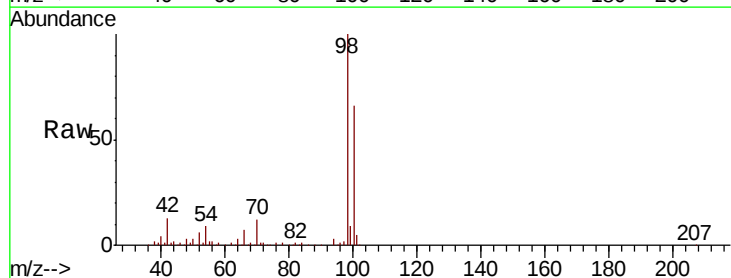


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

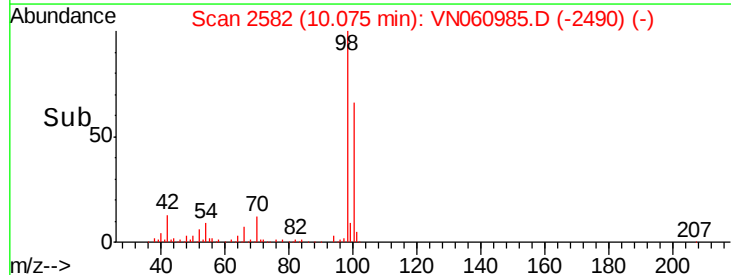
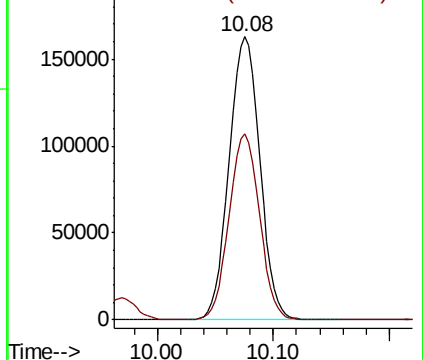


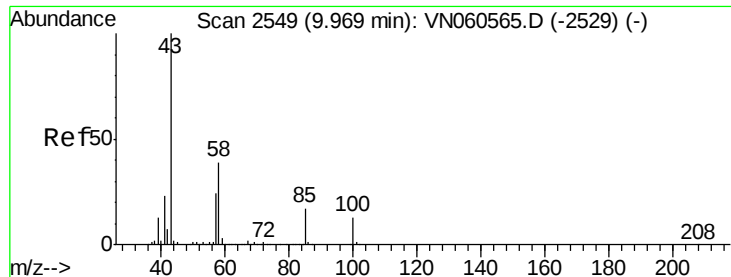
#50
Toluene-d8
Concen: 51.022 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060985.D
Acq: 16 Apr 2020 00:33

Tgt Ion: 98 Resp: 298625
Ion Ratio Lower Upper
98 100
100 65.1 51.8 77.8



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: 79.996 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VN060985.D

Acq: 16 Apr 2020 00:33

Instrument :

MSVOA_N

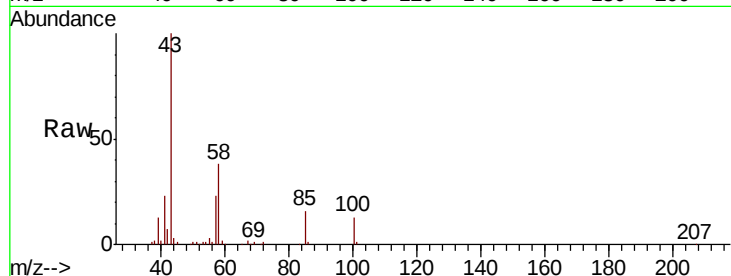
ClientSampled :

Tot Ion: 43 Resp: 186135

Ion Ratio Lower Upper

43 100

58 36.8 30.8 46.2



Abundance Ion 43.00 (42.70 to 43.70): VN060565.D (-2529) (-)

Ion 58.00 (57.70 to 58.70): VN060565.D (-2529) (-)

9.97

100000

80000

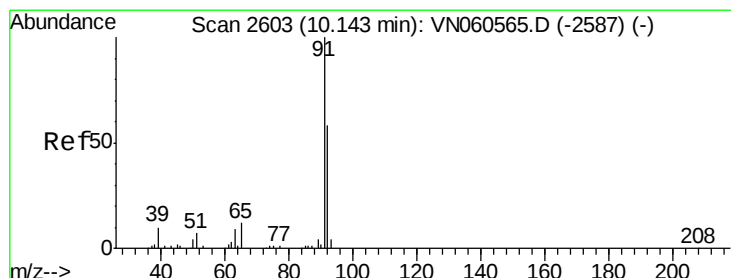
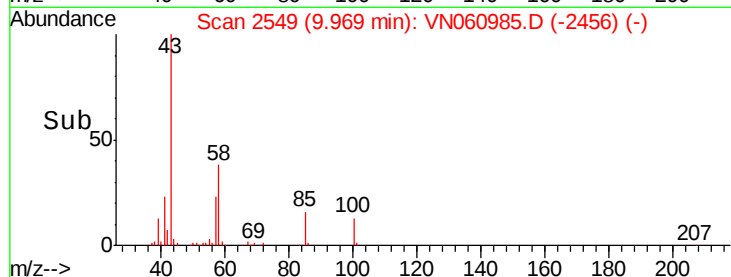
60000

40000

20000

0

Time-->



#52

Toluene

Concen: 0.262 ug/l

RT: 10.14 min Scan# 2602

Delta R.T. -0.00 min

Lab File: VN060985.D

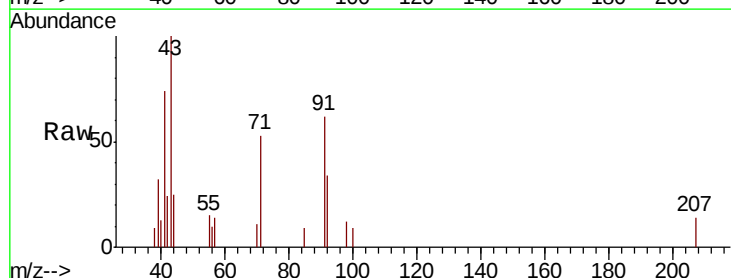
Acq: 16 Apr 2020 00:33

Tgt Ion: 92 Resp: 1097

Ion Ratio Lower Upper

92 100

91 189.5 137.6 206.4



Abundance Ion 92.00 (91.70 to 92.70): VN060565.D (-2587) (-)

Ion 91.00 (90.70 to 91.70): VN060565.D (-2587) (-)

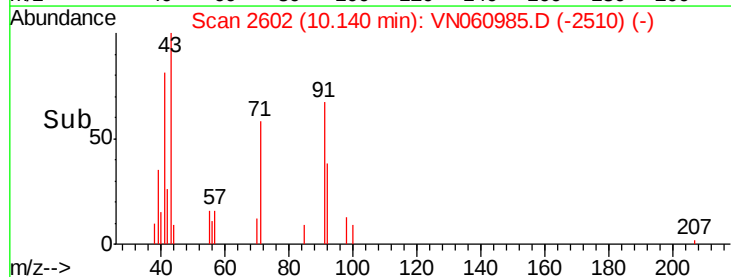
10.14

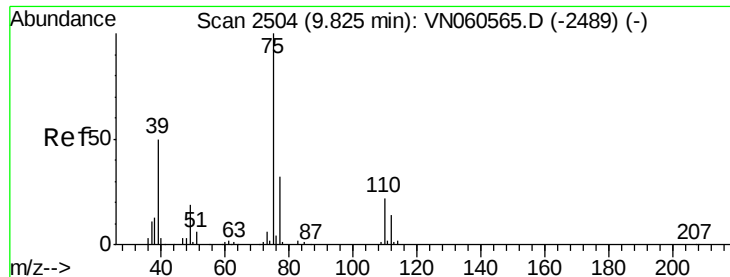
1000

500

0

Time-->





#54

cis-1,3-Dichloropropene

Concen: 4.849 ug/l

RT: 9.89 min Scan# 2524

Delta R.T. 0.06 min

Lab File: VN060985.D

Acq: 16 Apr 2020 00:33

Instrument :
MSVOA_N
ClientSampled :

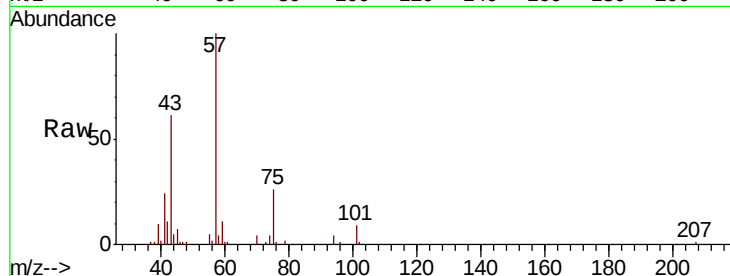
Tot Ion: 75 Resp: 14032

Ion Ratio Lower Upper

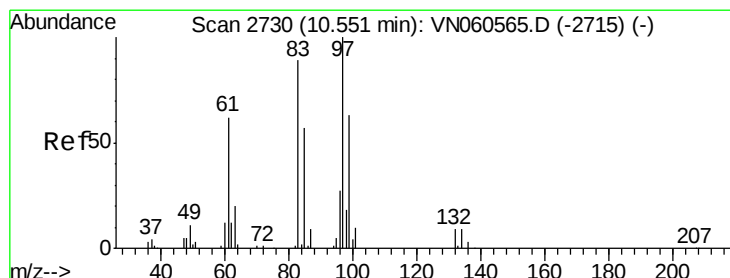
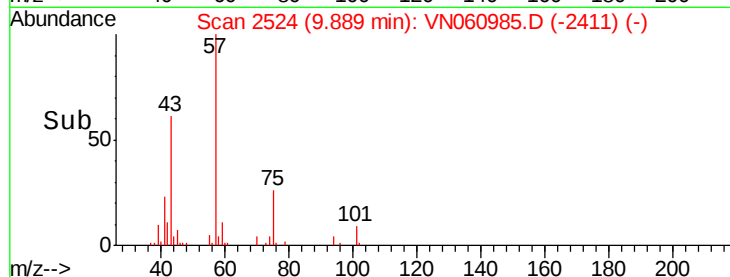
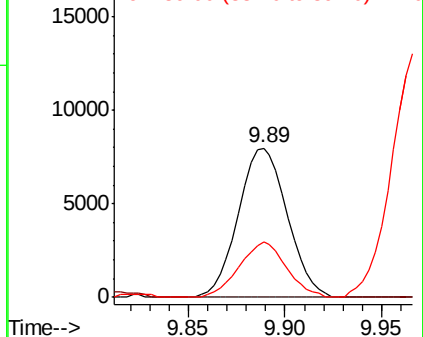
75 100

77 0.0 25.4 38.0#

39 36.8 40.2 60.4#



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 76.90 (76.60 to 77.60): VNO
Ion 39.00 (38.70 to 39.70): VNO



#55

1,1,2-Trichloroethane

Concen: 0.268 ug/l

RT: 10.55 min Scan# 2731

Delta R.T. 0.00 min

Lab File: VN060985.D

Acq: 16 Apr 2020 00:33

Tgt Ion: 97 Resp: 431

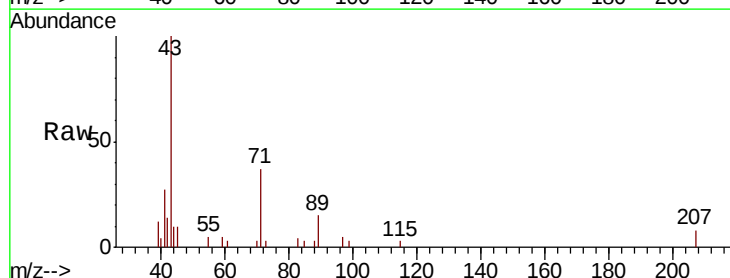
Ion Ratio Lower Upper

97 100

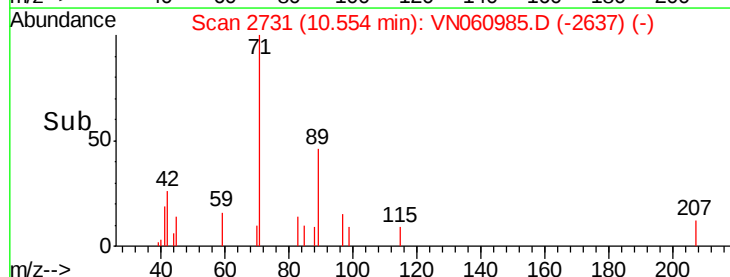
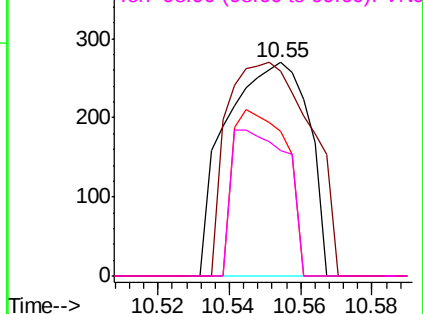
83 95.9 71.3 106.9

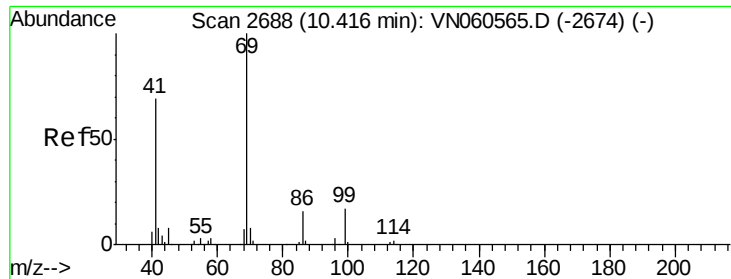
85 67.8 45.2 67.8

99 58.9 50.1 75.1



Abundance Ion 96.90 (96.60 to 97.60): VNO
Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 98.90 (98.60 to 99.60): VNO





#56

Ethyl methacrylate

Concen: 2.462 ug/l

RT: 10.35 min Scan# 2666

Delta R.T. -0.07 min

Lab File: VN060985.D

Acq: 16 Apr 2020 00:33

Instrument :

MSVOA_N

ClientSampled :

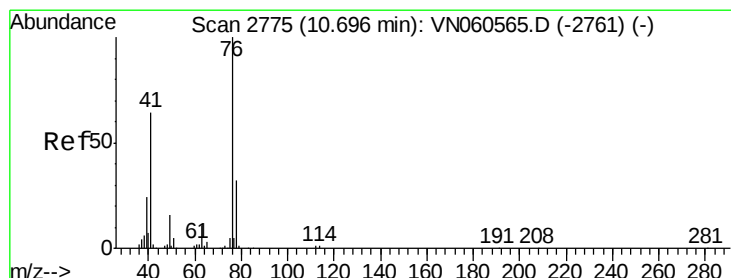
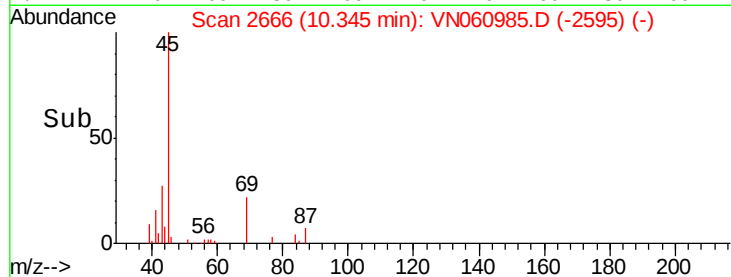
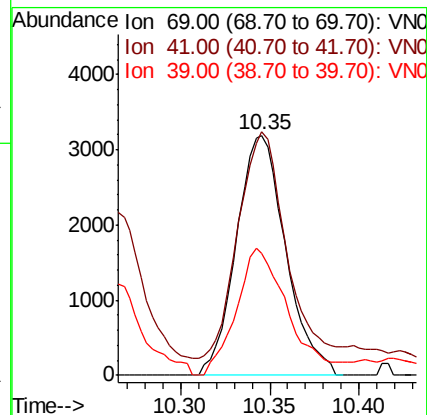
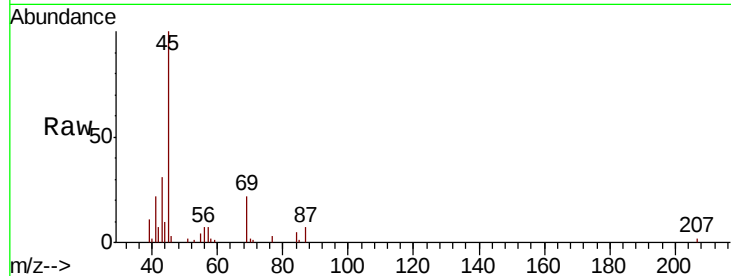
Tot Ion: 69 Resp: 6177

Ion Ratio Lower Upper

69 100

41 91.1 55.4 83.2#

39 54.9 29.4 44.0#



#57

1,3-Dichloropropane

Concen: 0.321 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. -0.00 min

Lab File: VN060985.D

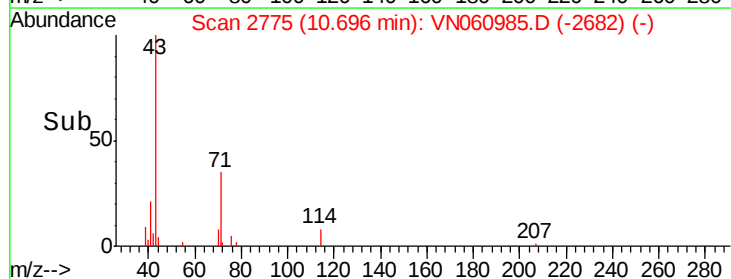
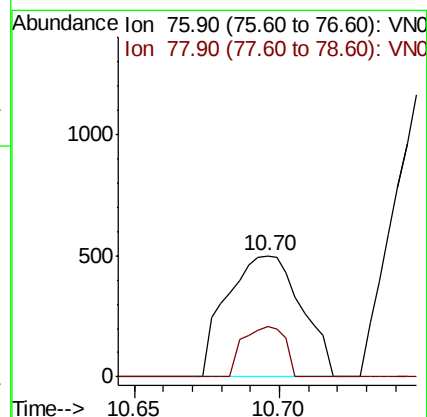
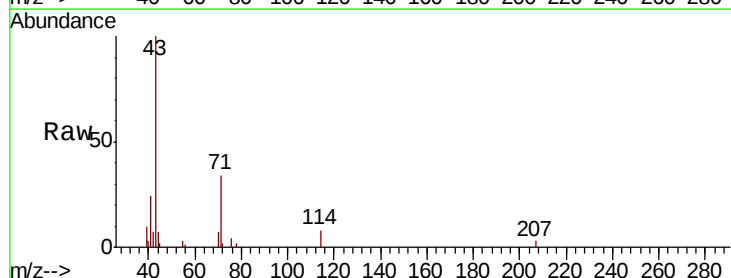
Acq: 16 Apr 2020 00:33

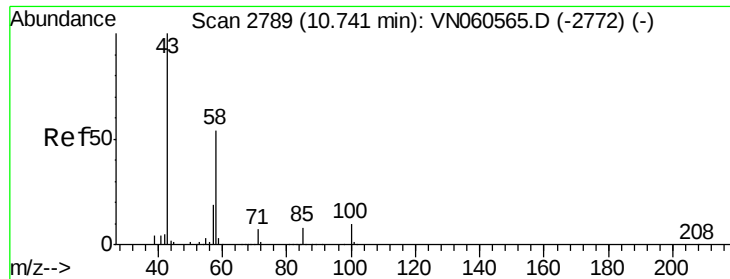
Tgt Ion: 76 Resp: 896

Ion Ratio Lower Upper

76 100

78 23.3 25.8 38.6#

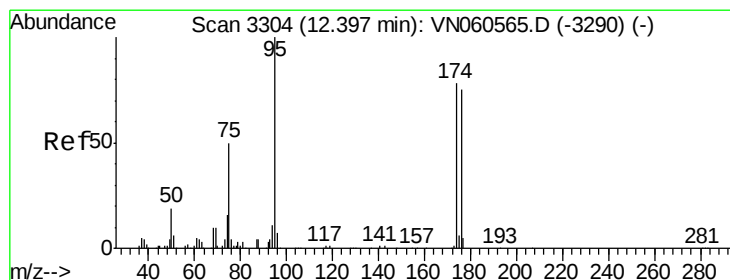
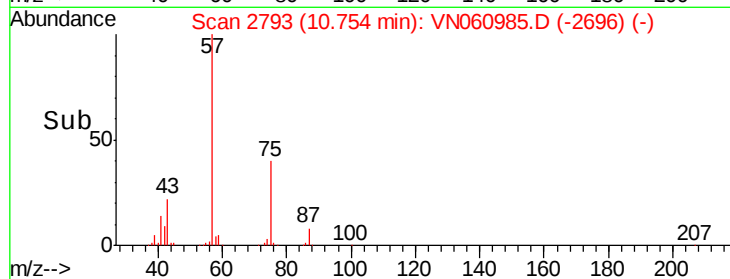
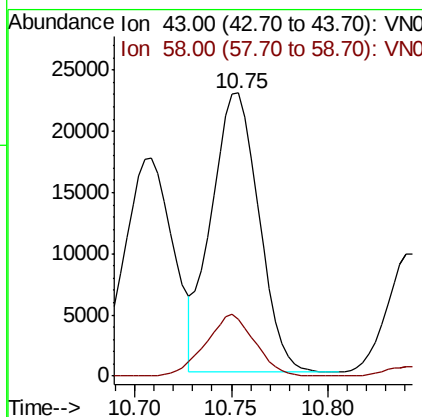
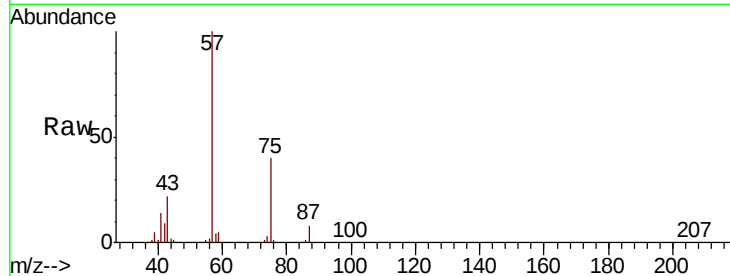




#59
2-Hexanone
Concen: 23.383 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.01 min
Lab File: VN060985.D
Acq: 16 Apr 2020 00:33

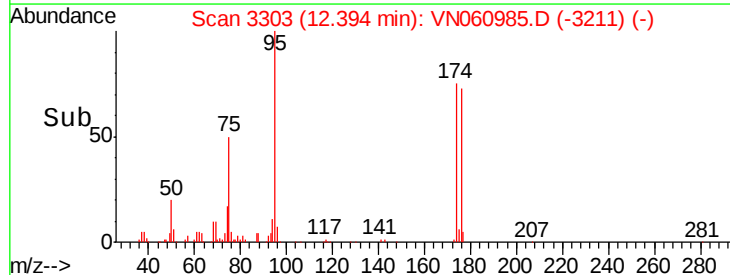
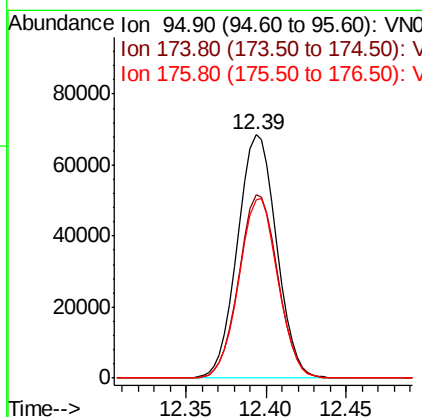
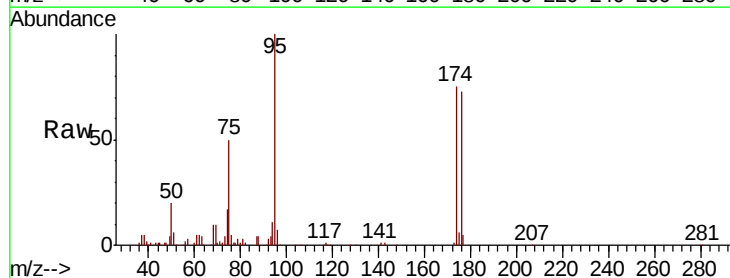
Instrument :
MSVOA_N
ClientSampleId :

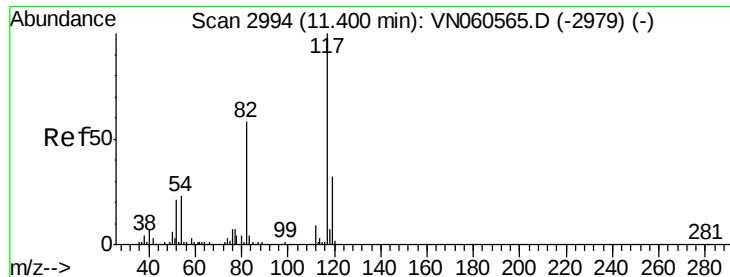
Tot Ion: 43 Resp: 39193
Ion Ratio Lower Upper
43 100
58 22.9 26.7 80.1#



#62
4-Bromofluorobenzene
Concen: 53.151 ug/l
RT: 12.39 min Scan# 3303
Delta R.T. -0.00 min
Lab File: VN060985.D
Acq: 16 Apr 2020 00:33

Tgt Ion: 95 Resp: 114007
Ion Ratio Lower Upper
95 100
174 75.2 0.0 157.6
176 73.4 0.0 150.6

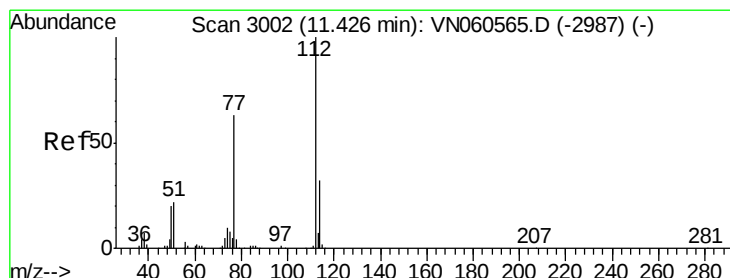
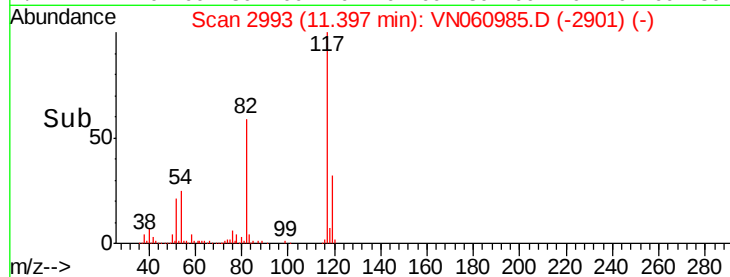
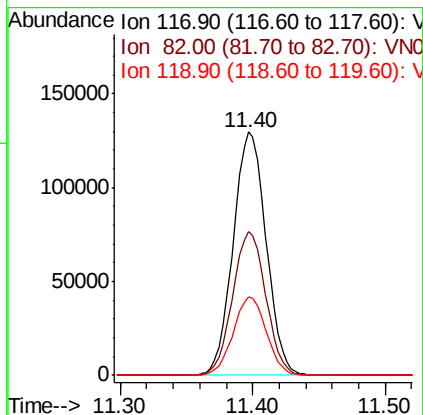
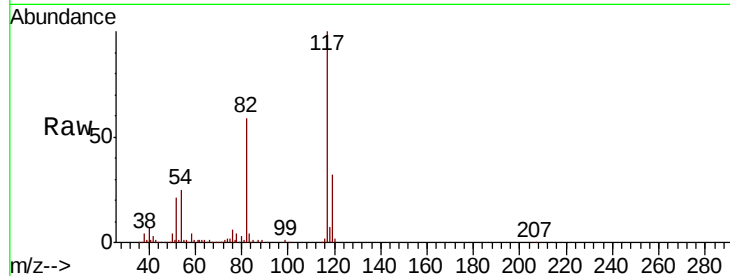




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2993
Delta R.T. -0.00 min
Lab File: VN060985.D
Acq: 16 Apr 2020 00:33

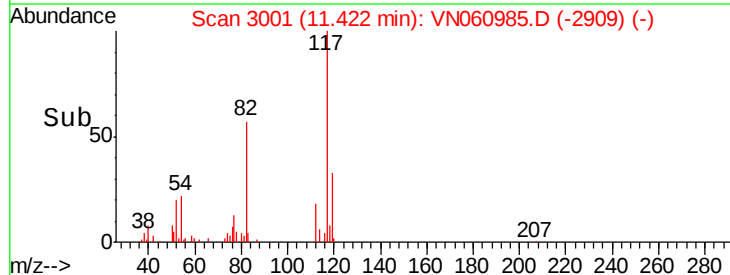
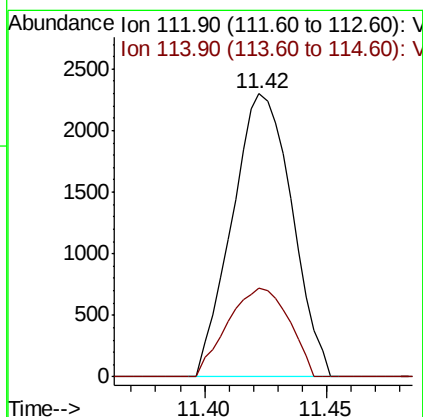
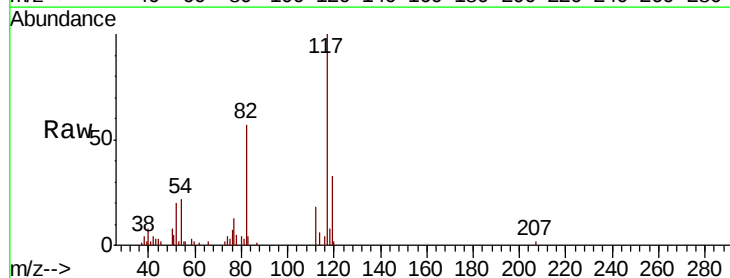
Instrument :
MSVOA_N
ClientSampleId :

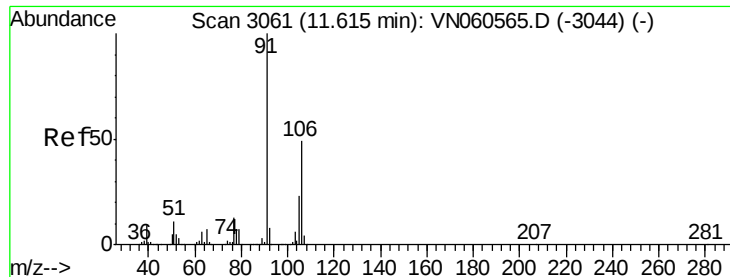
Tot Ion:117 Resp: 224019
Ion Ratio Lower Upper
117 100
82 58.8 46.7 70.1
119 32.2 25.5 38.3



#65
Chlorobenzene
Concen: 0.881 ug/l
RT: 11.42 min Scan# 3001
Delta R.T. -0.00 min
Lab File: VN060985.D
Acq: 16 Apr 2020 00:33

Tgt Ion:112 Resp: 3913
Ion Ratio Lower Upper
112 100
114 31.3 25.8 38.6





#68

m/p-Xylenes

Concen: 0.415 ug/l

RT: 11.61 min Scan# 3059

Delta R.T. -0.01 min

Lab File: VN060985.D

Acq: 16 Apr 2020 00:33

Instrument :

MSVOA_N

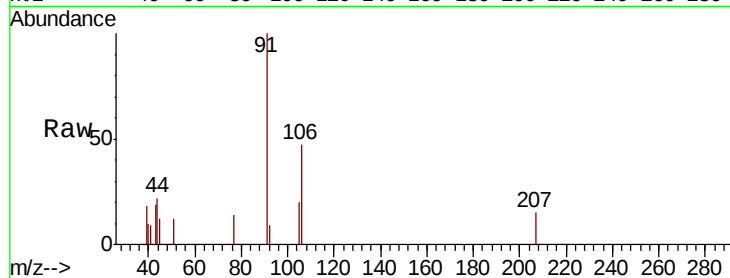
ClientSampleId :

Tot Ion:106 Resp: 1274

Ion Ratio Lower Upper

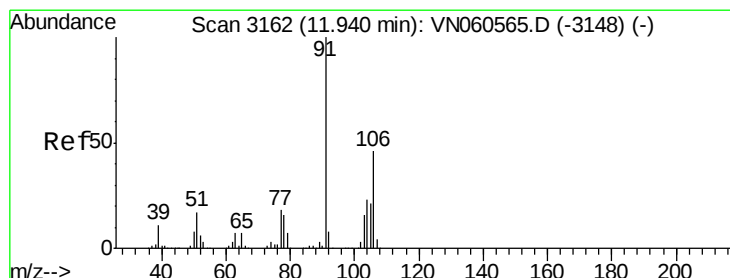
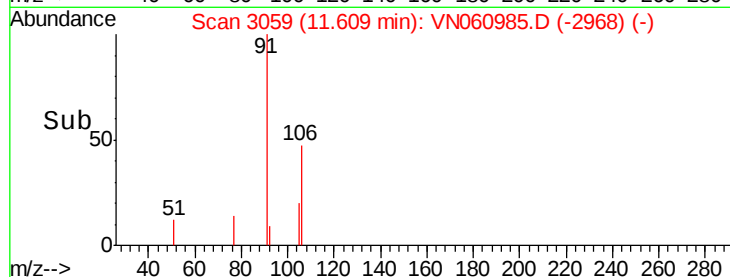
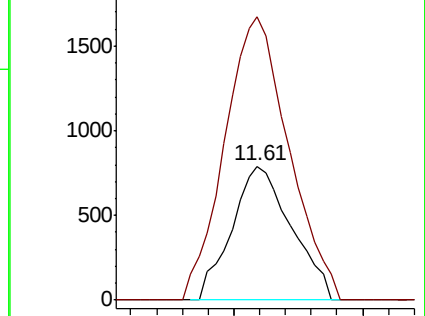
106 100

91 227.1 165.0 247.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#69

o-Xylene

Concen: 0.356 ug/l

RT: 11.94 min Scan# 3161

Delta R.T. -0.00 min

Lab File: VN060985.D

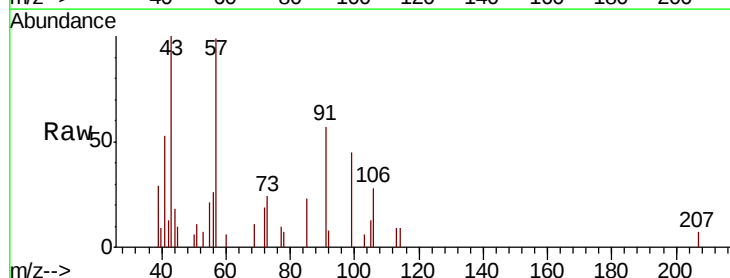
Acq: 16 Apr 2020 00:33

Tgt Ion:106 Resp: 1044

Ion Ratio Lower Upper

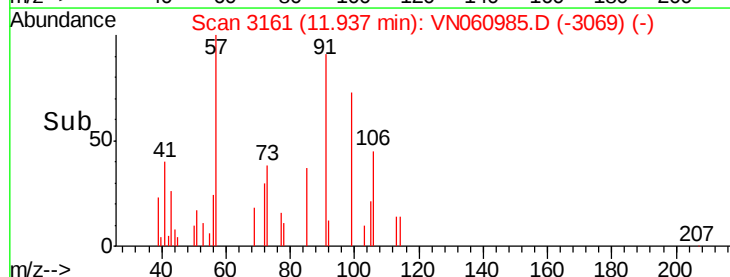
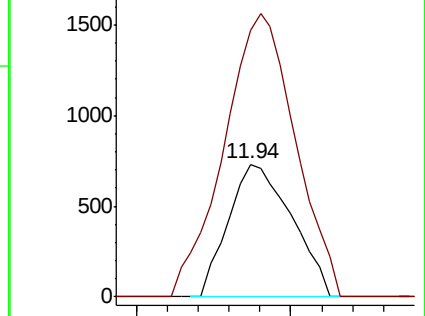
106 100

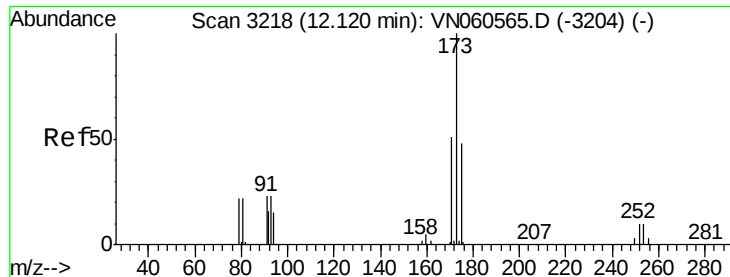
91 239.4 109.5 328.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN





#71

Bromoform

Concen: 1.767 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. 0.27 min

Lab File: VN060985.D

Acq: 16 Apr 2020 00:33

Instrument :

MSVOA_N

ClientSampled :

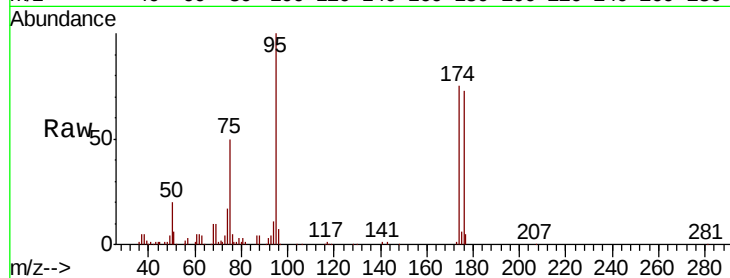
Tot Ion:173 Resp: 120

Ion Ratio Lower Upper

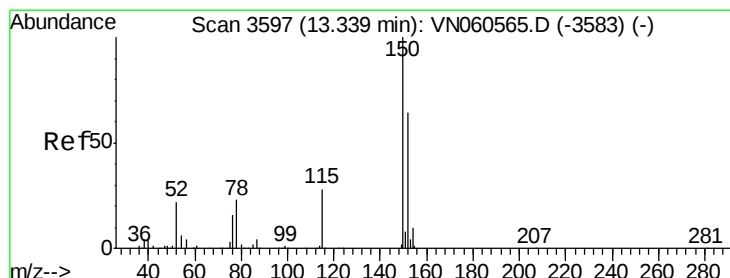
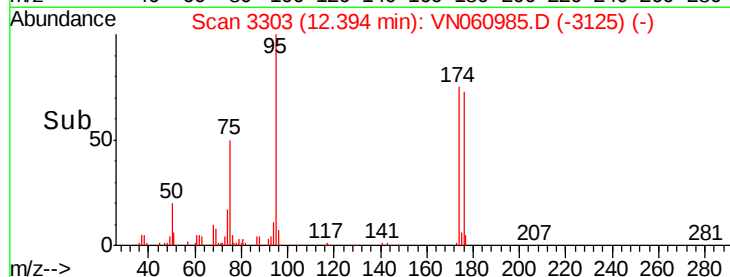
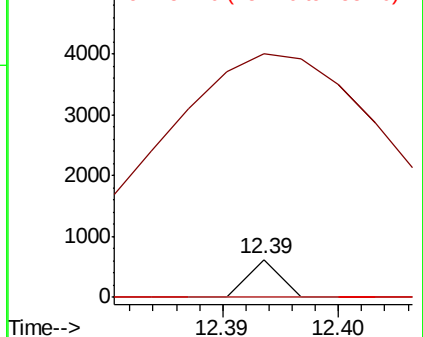
173 100

175 4746.7 24.1 72.4#

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: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN060985.D

Acq: 16 Apr 2020 00:33

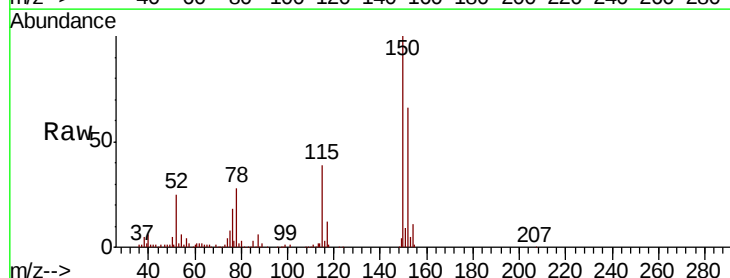
Tgt Ion:152 Resp: 104945

Ion Ratio Lower Upper

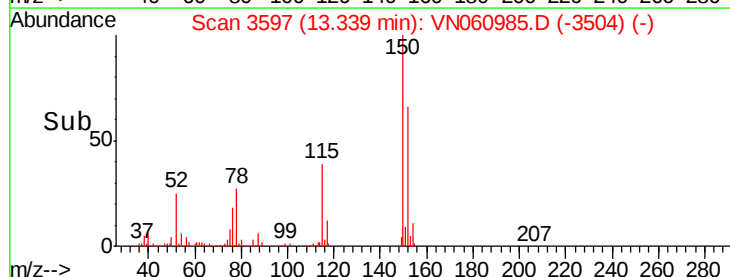
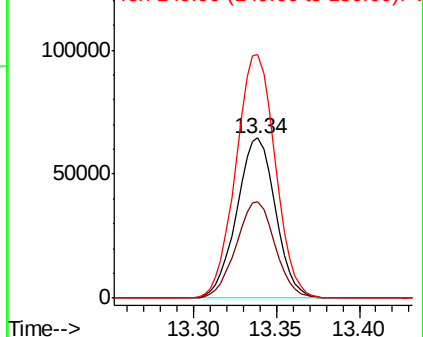
152 100

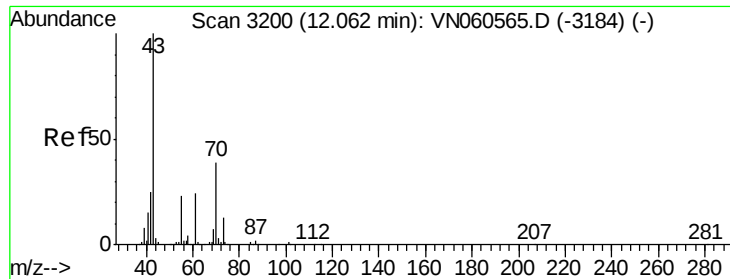
115 60.8 30.2 90.6

150 155.0 0.0 350.2



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: 2.992 ug/l

RT: 12.02 min Scan# 3187

Delta R.T. -0.04 min

Lab File: VN060985.D

Acq: 16 Apr 2020 00:33

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 43 Resp: 10887

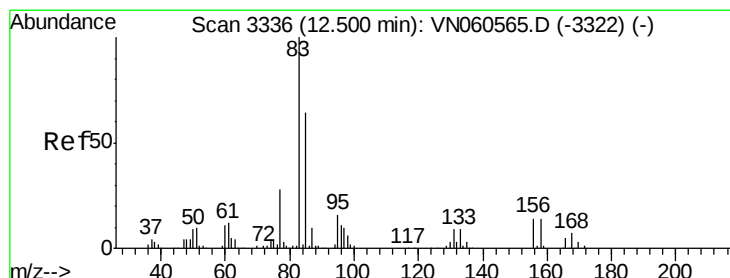
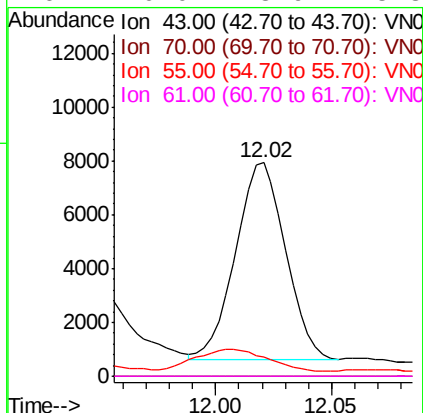
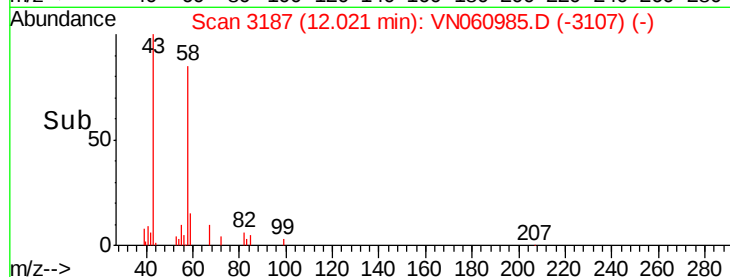
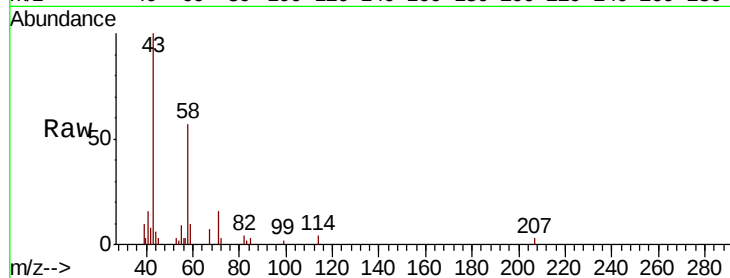
Ion Ratio Lower Upper

43 100

70 0.0 31.1 46.7#

55 16.4 18.6 27.8#

61 0.0 18.9 28.3#



#75

1,1,2,2-Tetrachloroethane

Concen: 0.256 ug/l

RT: 12.56 min Scan# 3356

Delta R.T. 0.06 min

Lab File: VN060985.D

Acq: 16 Apr 2020 00:33

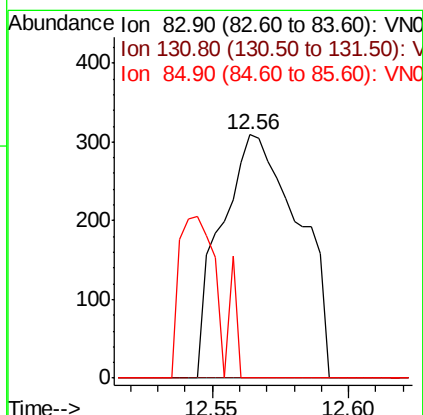
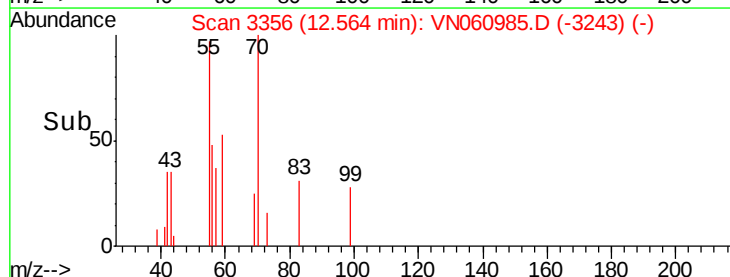
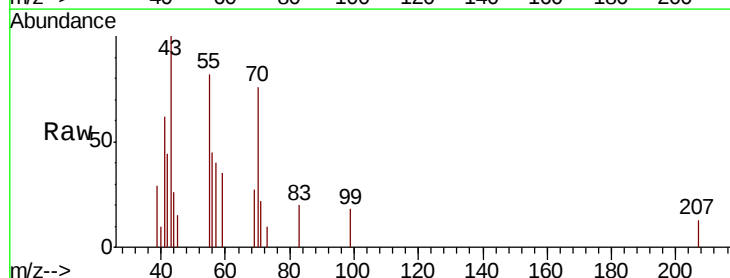
Tgt Ion: 83 Resp: 609

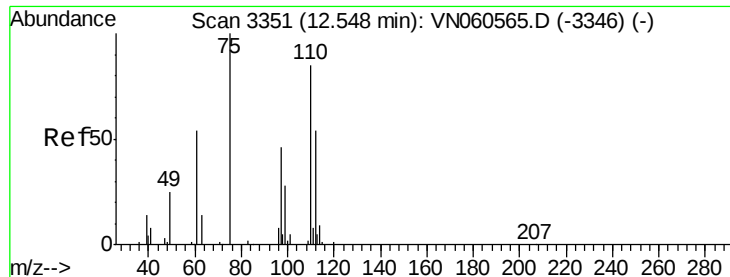
Ion Ratio Lower Upper

83 100

131 0.0 4.9 14.7#

85 34.0 32.5 97.4





#76

1,2,3-Trichloropropane

Concen: 25.176 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. -0.15 min

Lab File: VN060985.D

Acq: 16 Apr 2020 00:33

Instrument :

MSVOA_N

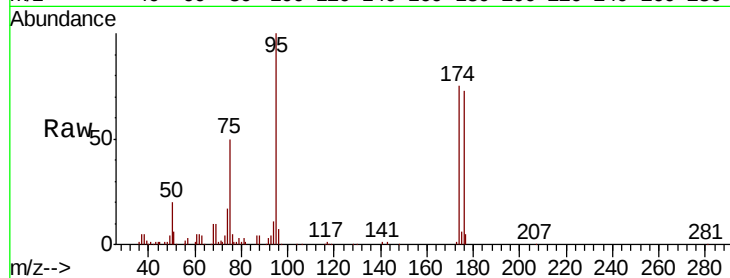
ClientSampleId :

Tot Ion: 75 Resp: 57010

Ion Ratio Lower Upper

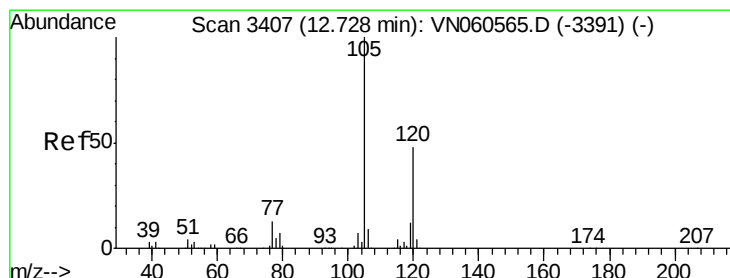
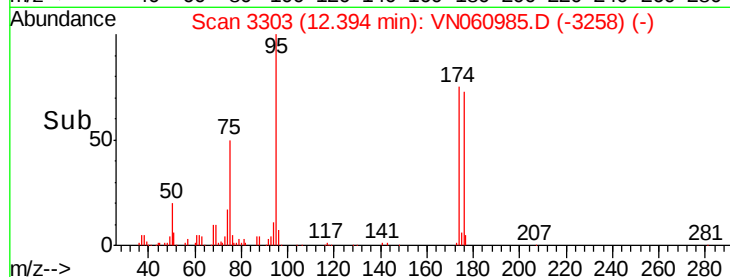
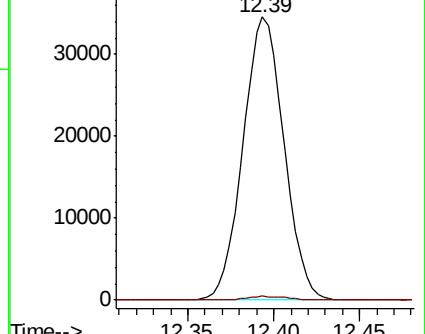
75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN060985.D (-3303) (-)

Ion 77.00 (76.70 to 77.70): VN060985.D (-3303) (-)



#80

1,3,5-Trimethylbenzene

Concen: 0.281 ug/l

RT: 12.72 min Scan# 3406

Delta R.T. -0.00 min

Lab File: VN060985.D

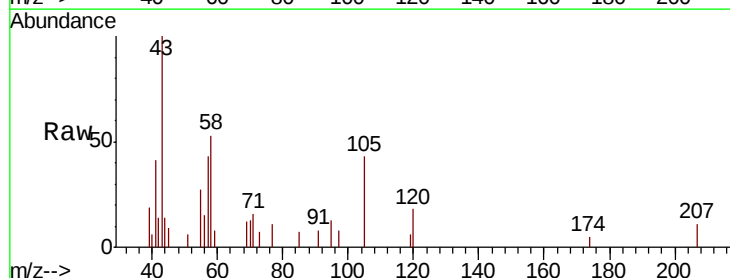
Acq: 16 Apr 2020 00:33

Tgt Ion: 105 Resp: 1878

Ion Ratio Lower Upper

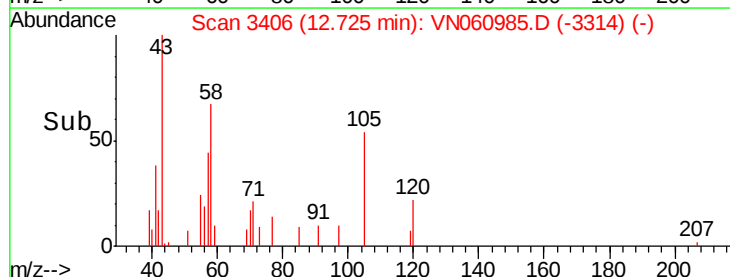
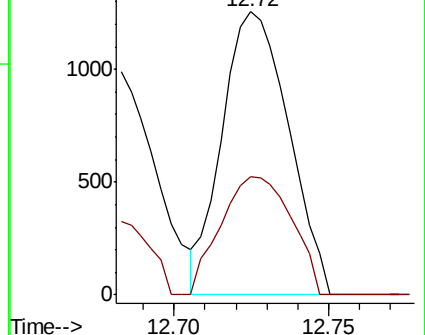
105 100

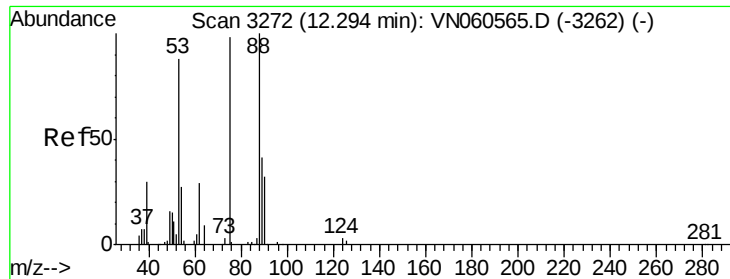
120 44.7 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VN060985.D (-3314) (-)

Ion 120.00 (119.70 to 120.70): VN060985.D (-3314) (-)

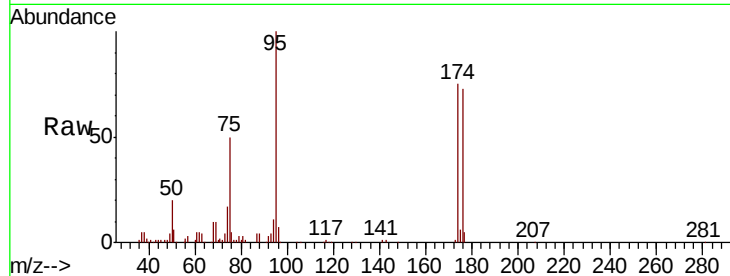




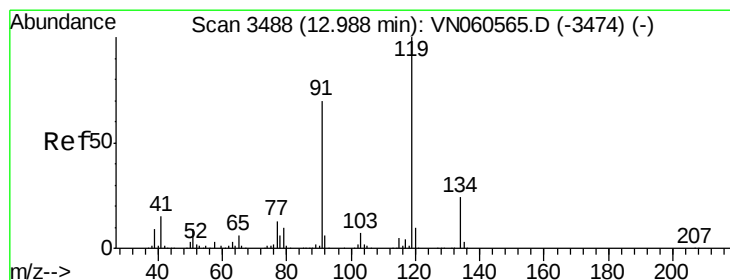
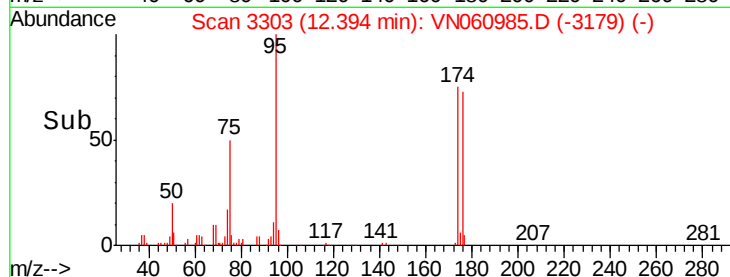
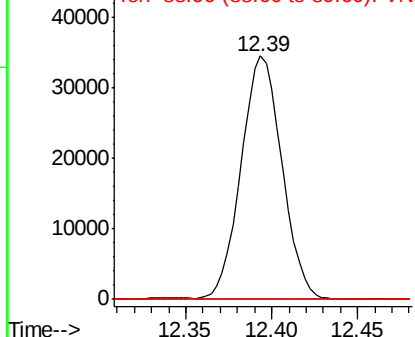
#81
 trans-1,4-Dichloro-2-butene
 Concen: 64.658 ug/l
 RT: 12.39 min Scan# 3303
 Delta R.T. 0.10 min
 Lab File: VN060985.D
 Acq: 16 Apr 2020 00:33

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 75 Resp: 57010
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.0 109.4#
 89 0.0 34.8 52.2#

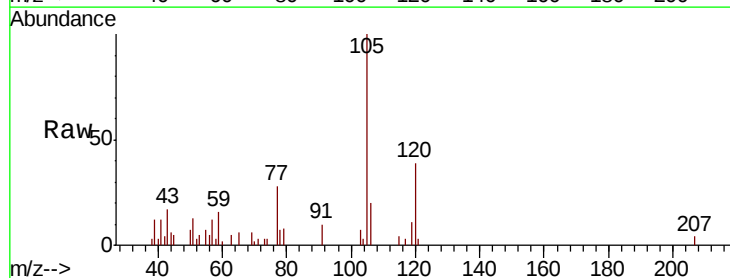


Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 53.00 (52.70 to 53.70): VN0
 Ion 88.90 (88.60 to 89.60): VN0

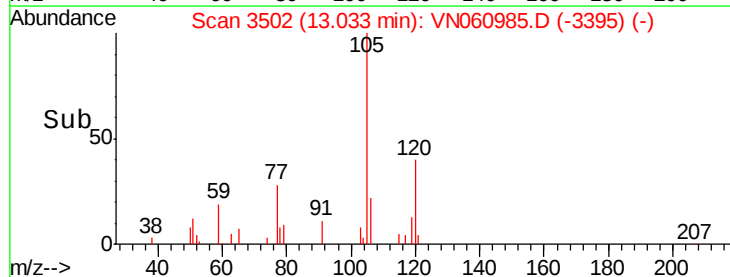
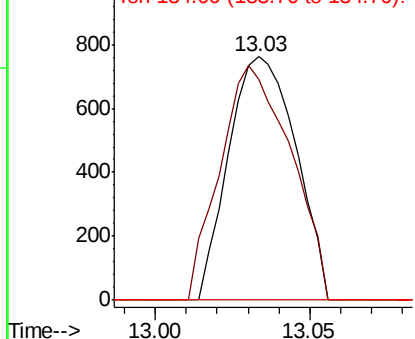


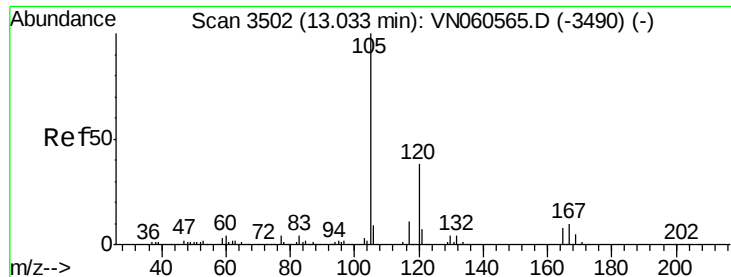
#83
 tert-Butylbenzene
 Concen: 0.208 ug/l
 RT: 13.03 min Scan# 3502
 Delta R.T. 0.04 min
 Lab File: VN060985.D
 Acq: 16 Apr 2020 00:33

Tgt Ion: 119 Resp: 1152
 Ion Ratio Lower Upper
 119 100
 91 102.0 34.0 101.8#
 134 0.0 12.7 38.0#



Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VN0
 Ion 134.00 (133.70 to 134.70): V





#84

1,2,4-Trimethylbenzene

Concen: 2.516 ug/l

RT: 13.04 min Scan# 3503

Delta R.T. 0.00 min

Lab File: VN060985.D

Acq: 16 Apr 2020 00:33

Instrument :

MSVOA_N

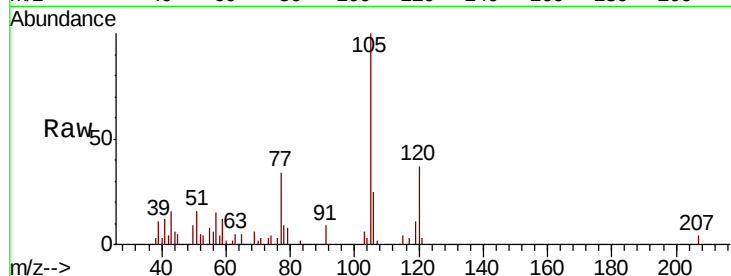
ClientSampleId :

Tot Ion:105 Resp: 16633

Ion Ratio Lower Upper

105 100

120 25.7 22.1 66.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

13.04

8000

6000

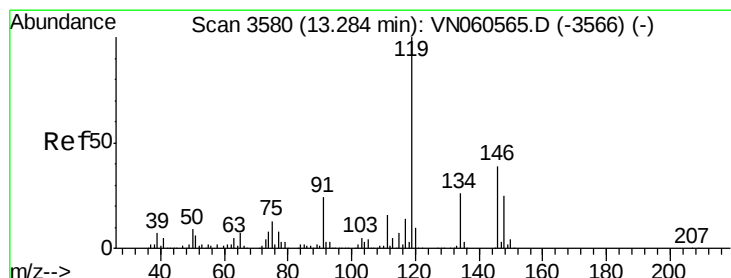
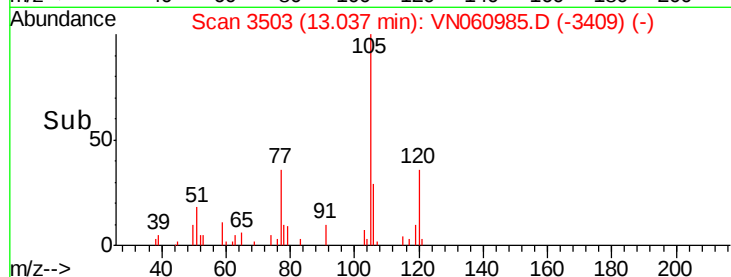
4000

2000

0

13.00 13.05 13.10

Time-->



#86

p-Isopropyltoluene

Concen: 0.265 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN060985.D

Acq: 16 Apr 2020 00:33

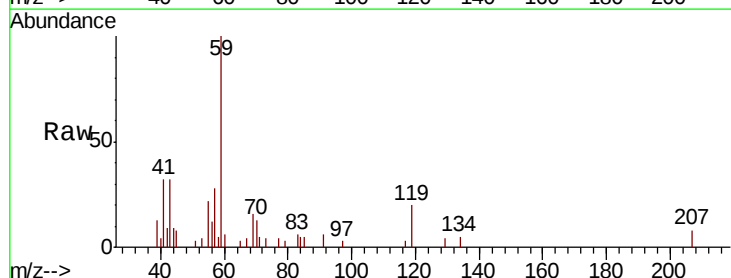
Tgt Ion:119 Resp: 1776

Ion Ratio Lower Upper

119 100

134 20.3 13.0 39.0

91 0.0 12.0 36.0#



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VNO

1500

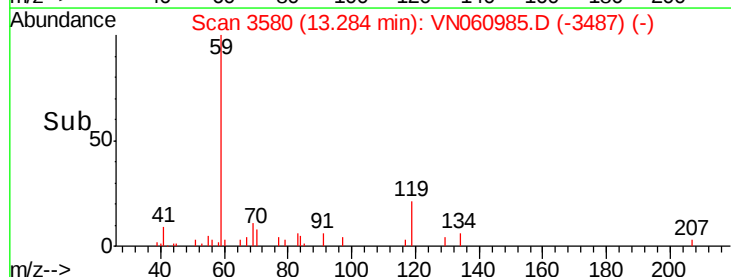
1000

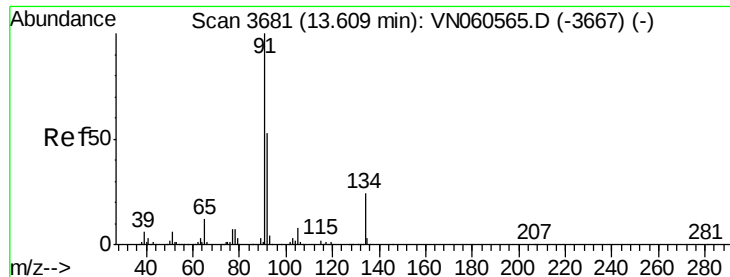
500

0

13.25 13.30

Time-->

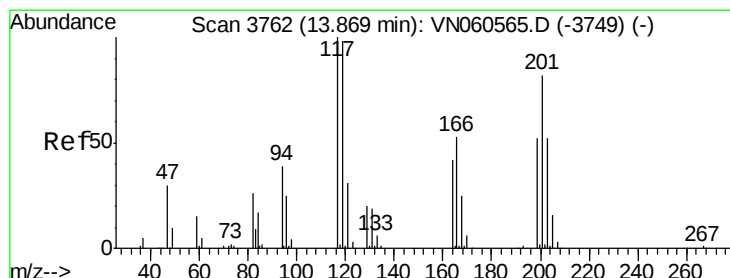
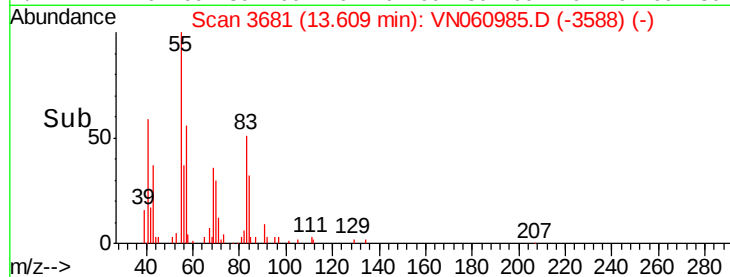
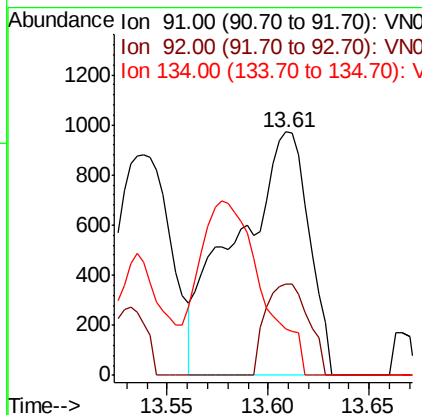
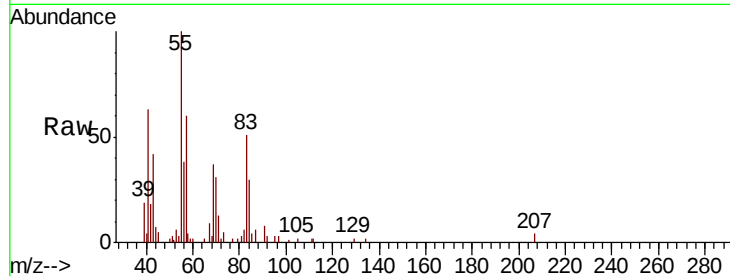




#89
n-Butylbenzene
Concen: 0.401 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. -0.00 min
Lab File: VN060985.D
Acq: 16 Apr 2020 00:33

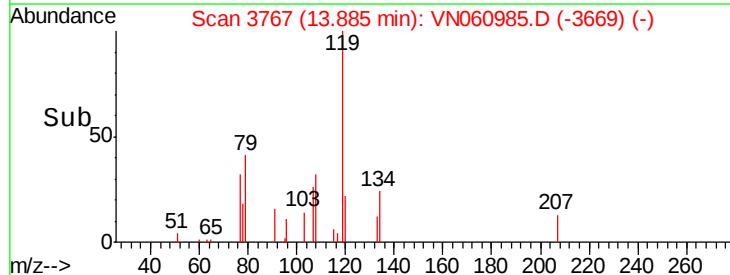
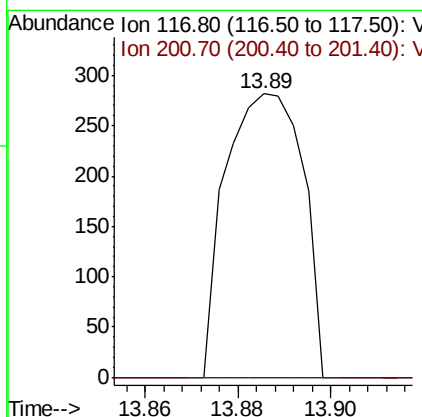
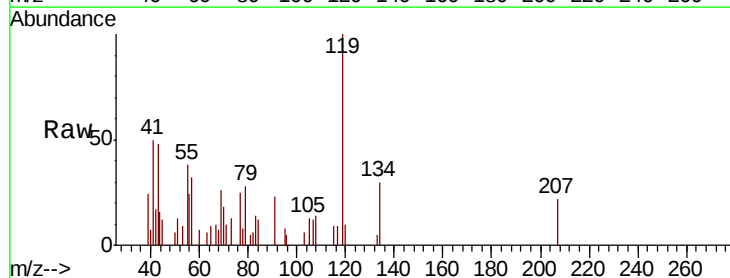
Instrument :
MSVOA_N
ClientSampled :

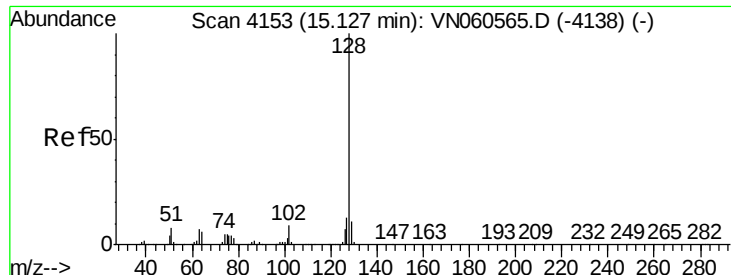
Tot Ion: 91 Resp: 2425
Ion Ratio Lower Upper
91 100
92 22.2 26.2 78.5#
134 0.0 12.3 36.9#



#90
Hexachloroethane
Concen: 0.334 ug/l
RT: 13.89 min Scan# 3767
Delta R.T. 0.02 min
Lab File: VN060985.D
Acq: 16 Apr 2020 00:33

Tgt Ion: 117 Resp: 325
Ion Ratio Lower Upper
117 100
201 0.0 40.8 122.5#

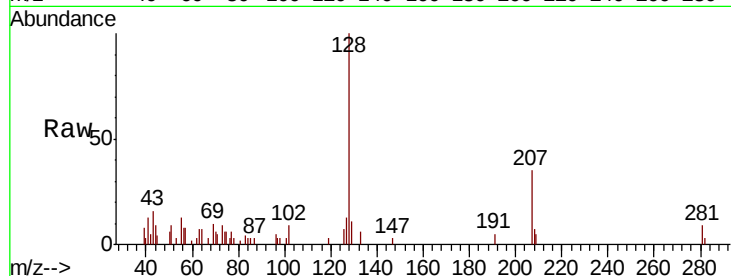




#95
Naphthalene
Concen: 1.861 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. -0.00 min
Lab File: VN060985.D
Acq: 16 Apr 2020 00:33

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.2
129	10.6	8.8	13.2



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

