

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020420\
 Data File : VN059992.D
 Acq On : 4 Feb 2020 14:25
 Operator : JC/MD
 Sample : VN0204WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0204WBSD01

Quant Time: Feb 05 01:22:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 18 03:09:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	191582	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	297393	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	272721	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	132581	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	111498	52.41	ug/l	0.00
Spiked Amount			Recovery	=	104.82%	
35) Dibromofluoromethane	7.57	113	90562	51.06	ug/l	0.00
Spiked Amount			Recovery	=	102.12%	
50) Toluene-d8	10.08	98	331688	48.27	ug/l	0.00
Spiked Amount			Recovery	=	96.54%	
62) 4-Bromofluorobenzene	12.40	95	124355	50.20	ug/l	0.00
Spiked Amount			Recovery	=	100.40%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	36277	15.702	ug/l	99
3) Chloromethane	2.04	50	37078	16.905	ug/l	100
4) Vinyl Chloride	2.17	62	47714	19.013	ug/l	98
5) Bromomethane	2.55	94	29080	18.988	ug/l	99
6) Chloroethane	2.69	64	21967	18.502	ug/l	94
7) Trichlorofluoromethane	3.00	101	57800	19.178	ug/l	97
8) Diethyl Ether	3.39	74	21919	20.723	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	3.74	101	33516	19.981	ug/l	93
10) Methyl Iodide	3.93	142	44305	16.341	ug/l	95
11) Tert butyl alcohol	4.73	59	38090	106.348	ug/l	99
12) 1,1-Dichloroethene	3.72	96	31120	17.755	ug/l	91
13) Acrolein	3.58	56	14188	55.960	ug/l	96
14) Allyl chloride	4.30	41	51248	21.692	ug/l	94
15) Acrylonitrile	4.95	53	86857	106.312	ug/l	98
16) Acetone	3.78	43	83903	110.019	ug/l	100
17) Carbon Disulfide	4.03	76	76695	15.360	ug/l	99
18) Methyl Acetate	4.29	43	54281	21.842	ug/l	93
19) Methyl tert-butyl Ether	5.00	73	123600	21.628	ug/l	97
20) Methylene Chloride	4.52	84	39819	19.908	ug/l	89
21) trans-1,2-Dichloroethene	5.01	96	35222	18.904	ug/l	86
22) Diisopropyl ether	5.92	45	114172	21.325	ug/l #	92
23) Vinyl Acetate	5.86	43	438980	105.900	ug/l	96
24) 1,1-Dichloroethane	5.82	63	65704	20.084	ug/l	98
25) 2-Butanone	6.80	43	120510	100.023	ug/l	95
26) 2,2-Dichloropropane	6.79	77	61670	19.609	ug/l	97
27) cis-1,2-Dichloroethene	6.80	96	43045	20.087	ug/l	90
28) Bromochloromethane	7.17	49	26227	20.059	ug/l #	78
29) Tetrahydrofuran	7.18	42	76967	103.249	ug/l	90
30) Chloroform	7.35	83	70627	20.837	ug/l	99
31) Cyclohexane	7.63	56	56041	17.803	ug/l #	88
32) 1,1,1-Trichloroethane	7.54	97	63728	20.334	ug/l	96
36) 1,1-Dichloropropene	7.77	75	49270	19.025	ug/l	96
37) Ethyl Acetate	6.90	43	47964	19.746	ug/l	95
38) Carbon Tetrachloride	7.75	117	54967	19.511	ug/l	98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	57037	17.861	ug/l	95
40) Benzene	8.02	78	149489	19.355	ug/l	100
41) Methacrylonitrile	7.18	41	73172	61.159	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	56645	21.630	ug/l	98
43) Isopropyl Acetate	8.14	43	86524	20.709	ug/l	96
44) Trichloroethene	8.82	130	43078	20.431	ug/l	92
45) 1,2-Dichloropropane	9.10	63	40040	20.950	ug/l	97
46) Dibromomethane	9.19	93	28222	20.933	ug/l	93
47) Bromodichloromethane	9.39	83	57350	21.109	ug/l	98
48) Methyl methacrylate	9.18	41	37826	20.241	ug/l	91
49) 1,4-Dioxane	9.18	88	15463	451.987	ug/l	90
51) 4-Methyl-2-Pentanone	9.97	43	255731	105.885	ug/l	96
52) Toluene	10.14	92	96873	19.856	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	64240	21.176	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	66161	20.728	ug/l	94
55) 1,1,2-Trichloroethane	10.55	97	41082	21.261	ug/l	98
56) Ethyl methacrylate	10.42	69	58758	19.901	ug/l	94
57) 1,3-Dichloropropane	10.70	76	66886	21.804	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	97164	109.260	ug/l	94
59) 2-Hexanone	10.74	43	184305	103.585	ug/l	95
60) Dibromochloromethane	10.89	129	45881	20.852	ug/l	99
61) 1,2-Dibromoethane	11.00	107	42077	20.777	ug/l	100
64) Tetrachloroethene	10.62	164	42944	19.321	ug/l	96
65) Chlorobenzene	11.43	112	106835	19.930	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	42312	20.428	ug/l	97
67) Ethyl Benzene	11.50	91	191462	19.676	ug/l	99
68) m/p-Xylenes	11.62	106	141484	38.491	ug/l	95
69) o-Xylene	11.94	106	70280	19.530	ug/l	94
70) Styrene	11.96	104	112822	18.736	ug/l	98
71) Bromoform	12.12	173	34111	20.560	ug/l #	100
73) Isopropylbenzene	12.25	105	185609	19.089	ug/l	100
74) N-amyl acetate	12.07	43	71855	19.045	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.50	83	57281	20.321	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	77846	34.890	ug/l #	100
77) Bromobenzene	12.52	156	48859	19.842	ug/l	84
78) n-propylbenzene	12.59	91	212729	19.492	ug/l	98
79) 2-Chlorotoluene	12.67	91	126963	19.555	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	158161	19.341	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	20732	19.954	ug/l	98
82) 4-Chlorotoluene	12.77	91	130316	20.012	ug/l	96
83) tert-Butylbenzene	12.99	119	137741	19.476	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	158530	19.596	ug/l	99
85) sec-Butylbenzene	13.17	105	180467	19.422	ug/l	99
86) p-Isopropyltoluene	13.29	119	165397	19.237	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	85171	19.913	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	85286	19.988	ug/l	97
89) n-Butylbenzene	13.61	91	143394	19.560	ug/l	98
90) Hexachloroethane	13.87	117	30063	18.688	ug/l	92
91) 1,2-Dichlorobenzene	13.65	146	84982	20.097	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	12977	20.204	ug/l	92

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Quant Title : SW846 8260
QLast Update : Sat Jan 18 03:09:32 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	51460	20.253	ug/l	98
94) Hexachlorobutadiene	15.01	225	27670	19.762	ug/l	98
95) Naphthalene	15.13	128	148999	20.617	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	51218	20.710	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN059992.D

Acq: 4 Feb 2020 14:25

Instrument :

MSVOA_N

ClientSampleId :

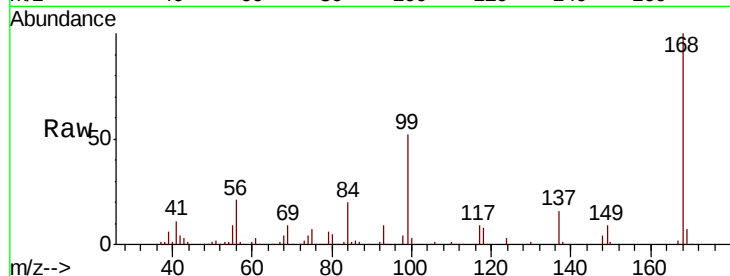
VN0204WBSD01

Tot Ion:168 Resp: 191582

Ion Ratio Lower Upper

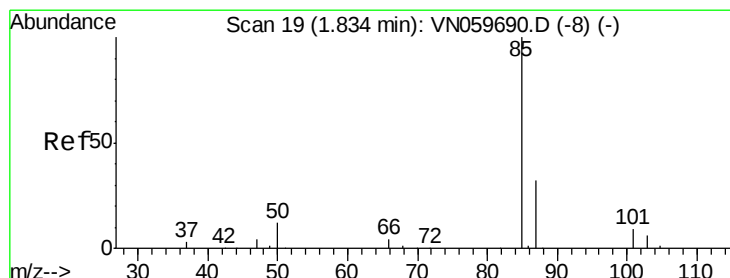
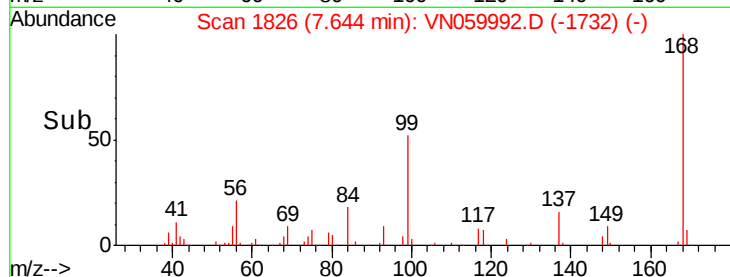
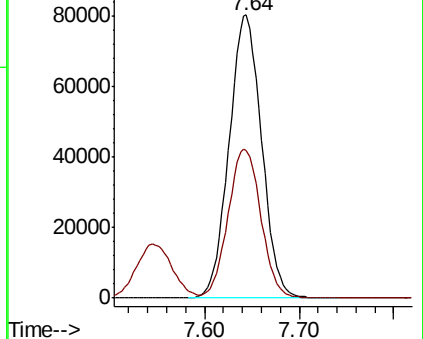
168 100

99 52.3 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VN059690.D (-1807) (-)

Ion 98.90 (98.60 to 99.60): VN059690.D (-1807) (-)



#2

Dichlorodifluoromethane

Concen: 15.702 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059992.D

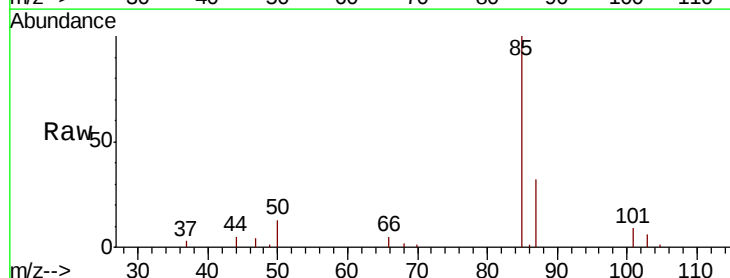
Acq: 4 Feb 2020 14:25

Tgt Ion: 85 Resp: 36277

Ion Ratio Lower Upper

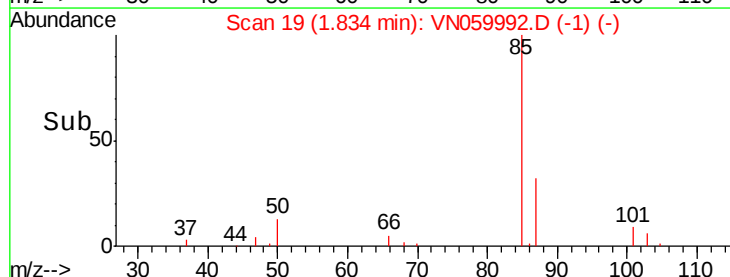
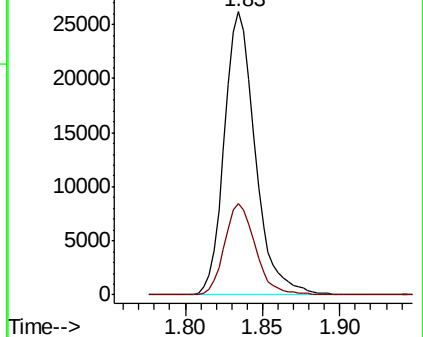
85 100

87 32.4 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN059690.D (-8) (-)

Ion 86.90 (86.60 to 87.60): VN059690.D (-8) (-)





#3

Chloromethane

Concen: 16.905 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN059992.D

Acq: 4 Feb 2020 14:25

Instrument :

MSVOA_N

ClientSampleId :

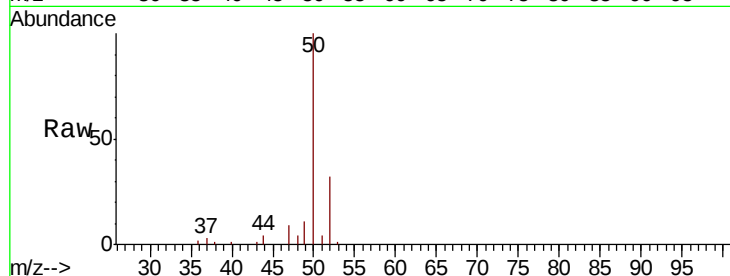
VN0204WBSD01

Tot Ion: 50 Resp: 37078

Ion Ratio Lower Upper

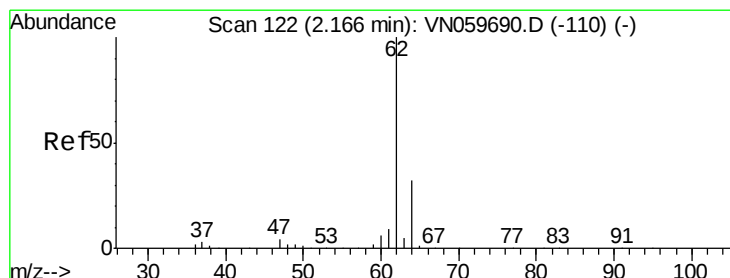
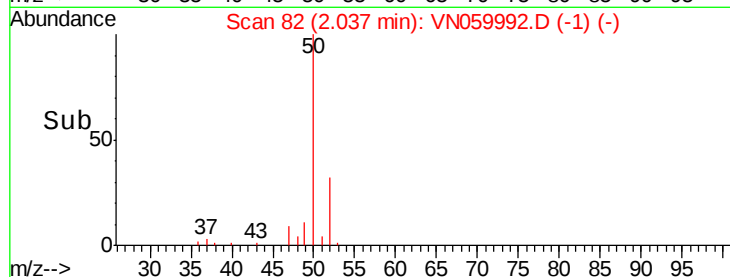
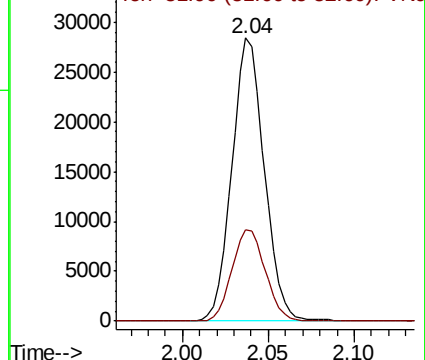
50 100

52 32.2 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 19.013 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN059992.D

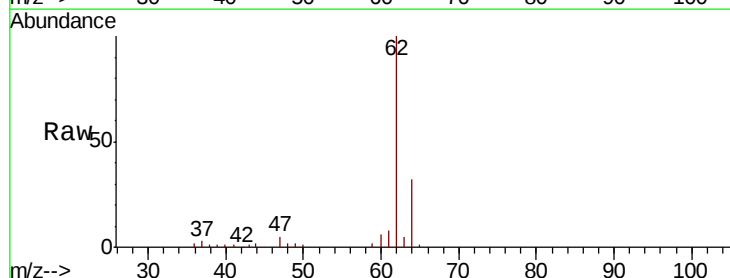
Acq: 4 Feb 2020 14:25

Tgt Ion: 62 Resp: 47714

Ion Ratio Lower Upper

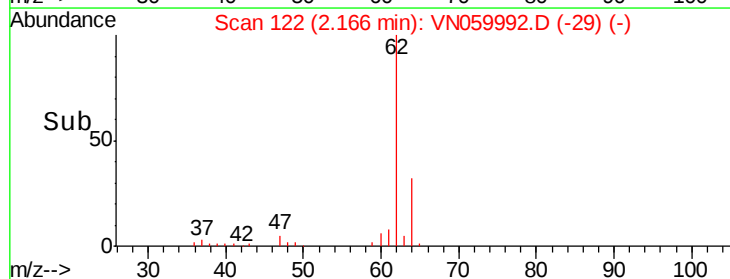
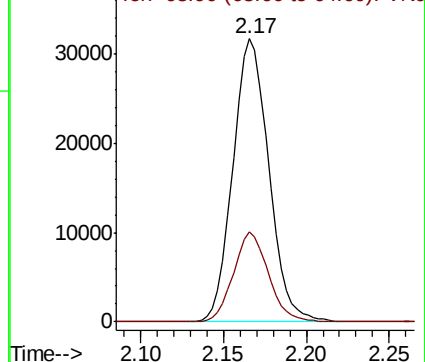
62 100

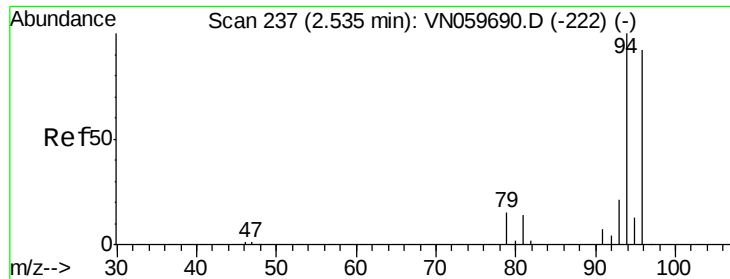
64 31.7 24.6 37.0



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

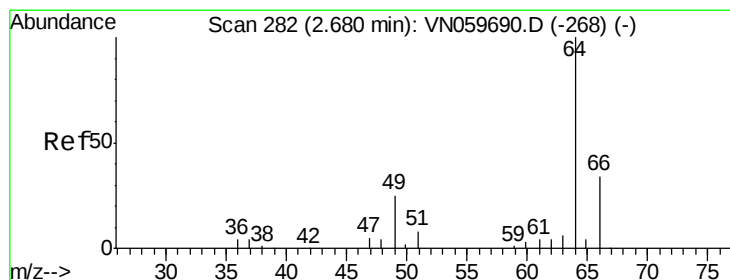
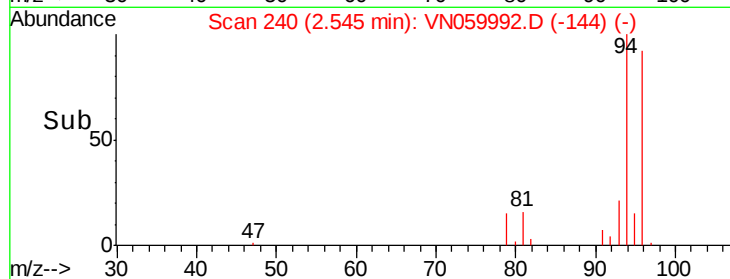
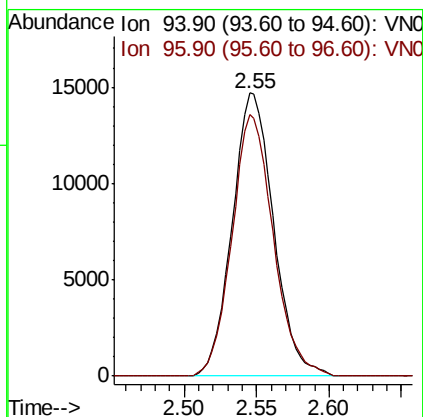
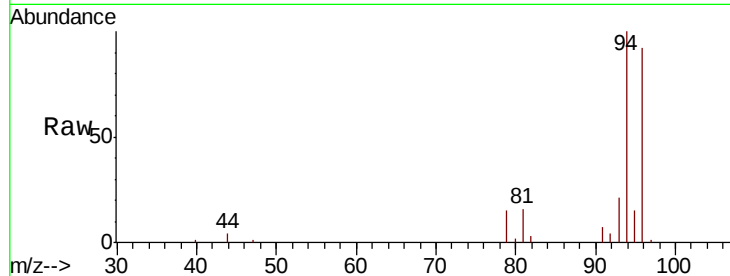




#5
Bromomethane
Concen: 18.988 ug/l
RT: 2.55 min Scan# 240
Delta R.T. 0.01 min
Lab File: VN059992.D
Acq: 4 Feb 2020 14:25

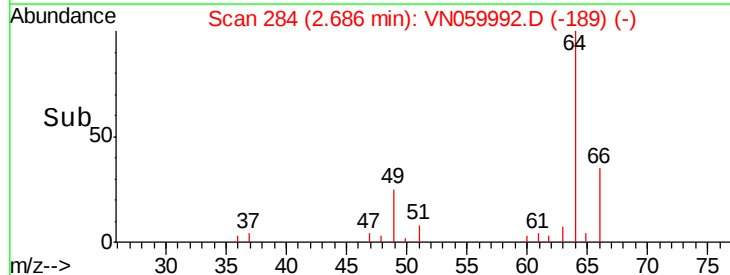
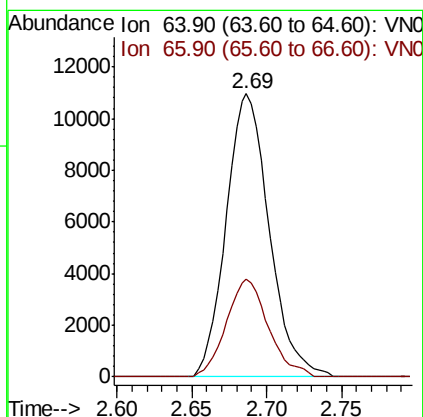
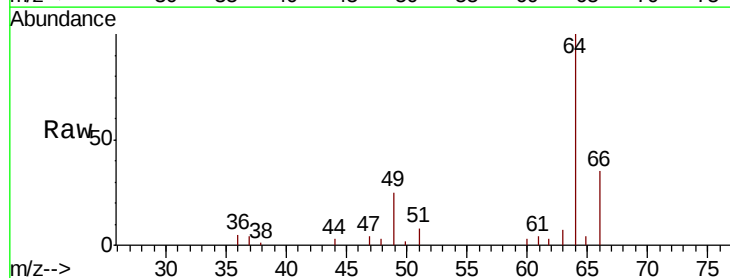
Instrument :
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Tot Ion: 94 Resp: 29080
Ion Ratio Lower Upper
94 100
96 92.4 74.7 112.1



#6
Chloroethane
Concen: 18.502 ug/l
RT: 2.69 min Scan# 284
Delta R.T. 0.01 min
Lab File: VN059992.D
Acq: 4 Feb 2020 14:25

Tgt Ion: 64 Resp: 21967
Ion Ratio Lower Upper
64 100
66 34.5 25.1 37.7



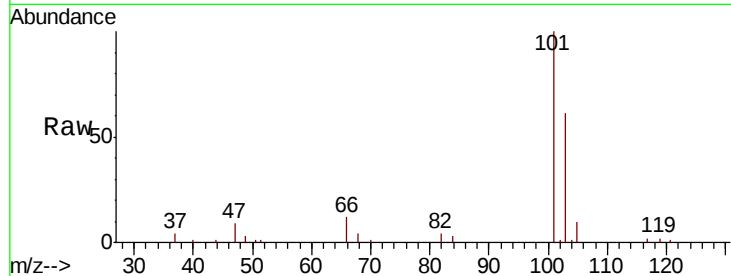


#7

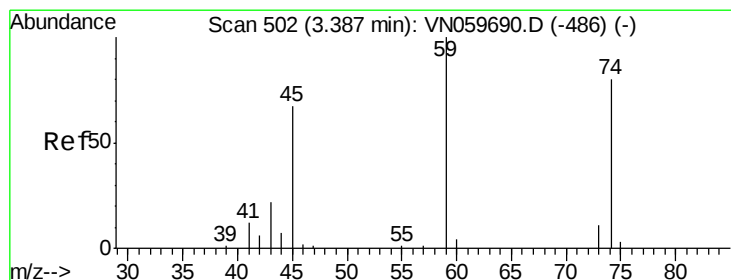
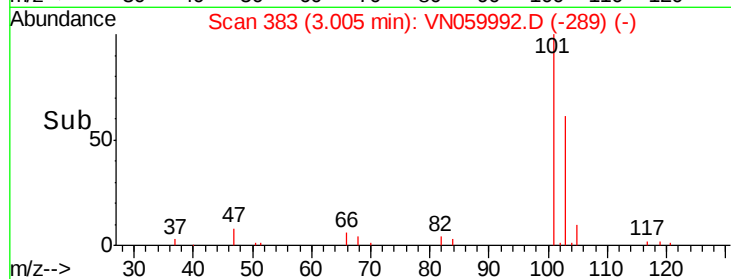
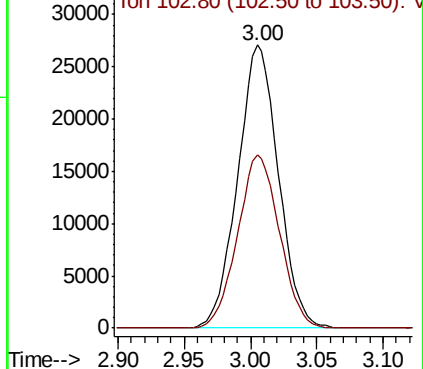
Trichlorofluoromethane
Concen: 19.178 ug/l
RT: 3.00 min Scan# 383
Delta R.T. 0.00 min
Lab File: VN059992.D
Acq: 4 Feb 2020 14:25

Instrument :
MSVOA_N
ClientSampleId :
VN0204WBSD01

Tot Ion:101 Resp: 57800
Ion Ratio Lower Upper
101 100
103 61.1 51.0 76.6



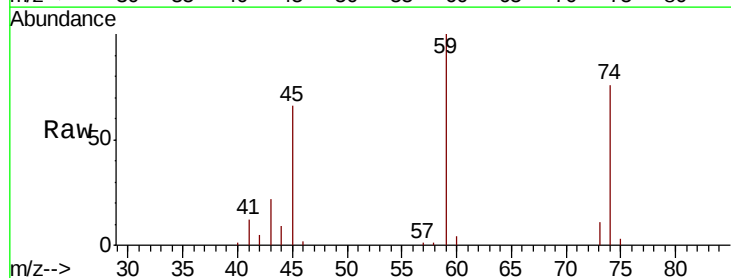
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



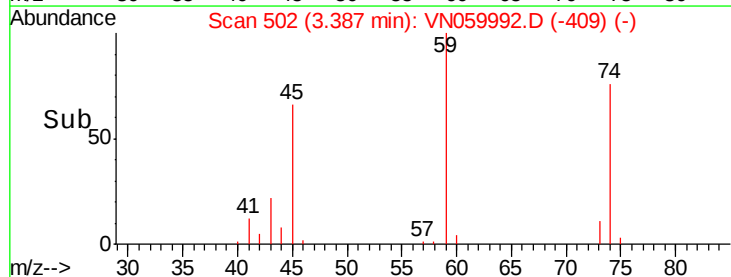
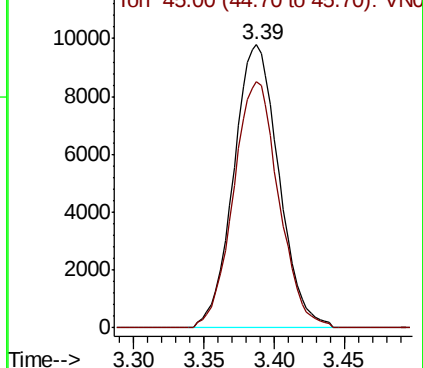
#8

Diethyl Ether
Concen: 20.723 ug/l
RT: 3.39 min Scan# 502
Delta R.T. 0.00 min
Lab File: VN059992.D
Acq: 4 Feb 2020 14:25

Tgt Ion: 74 Resp: 21919
Ion Ratio Lower Upper
74 100
45 87.2 51.9 155.8



Abundance Ion 74.00 (73.70 to 74.70): VNO
Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.981 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN059992.D

Acq: 4 Feb 2020 14:25

Instrument :

MSVOA_N

ClientSampleId :

VN0204WBSD01

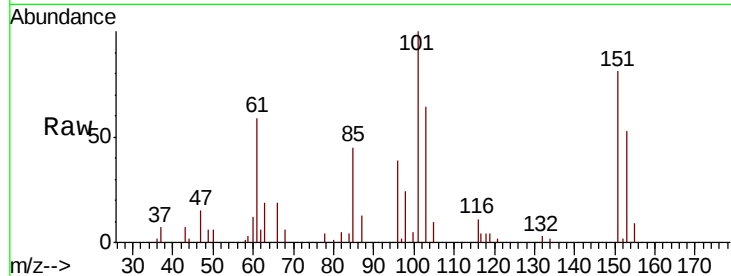
Tot Ion:101 Resp: 33516

Ion Ratio Lower Upper

101 100

85 43.5 36.6 54.8

151 82.0 59.7 89.5

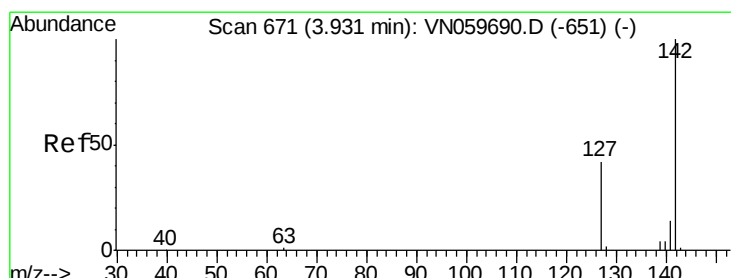
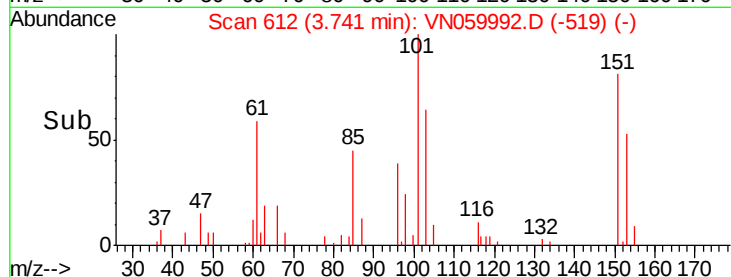
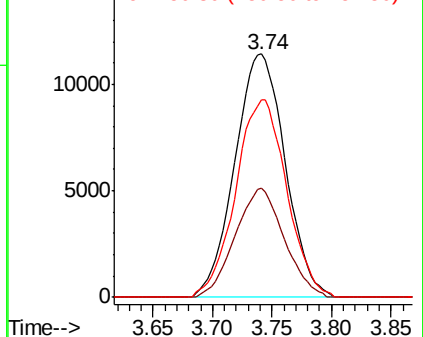


Abundance

Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 16.341 ug/l

RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

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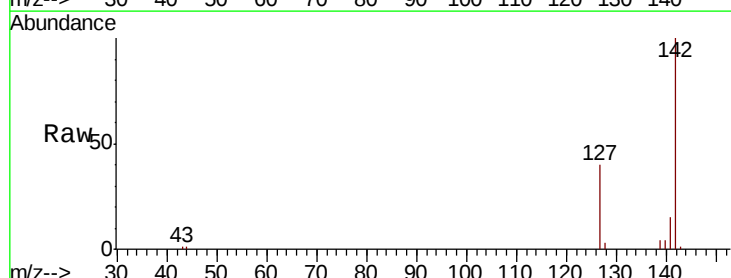
Tgt Ion:142 Resp: 44305

Ion Ratio Lower Upper

142 100

127 42.1 36.7 55.1

141 14.2 11.7 17.5

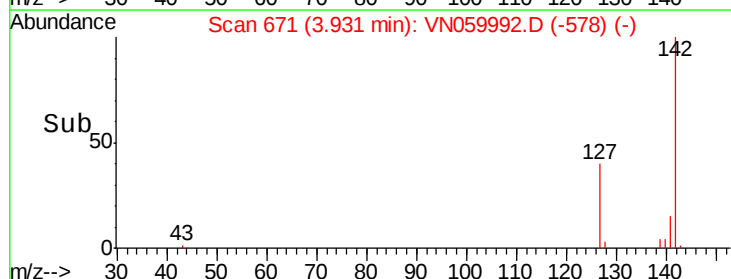
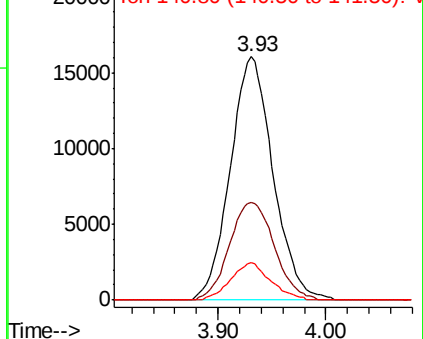


Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

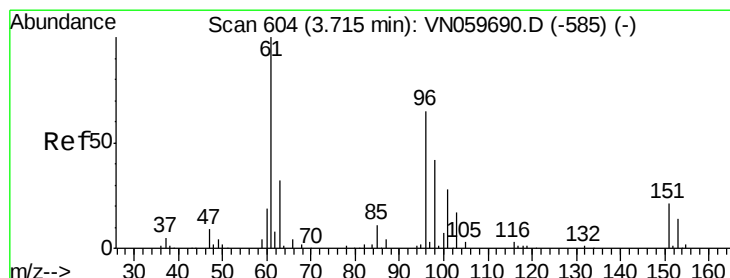
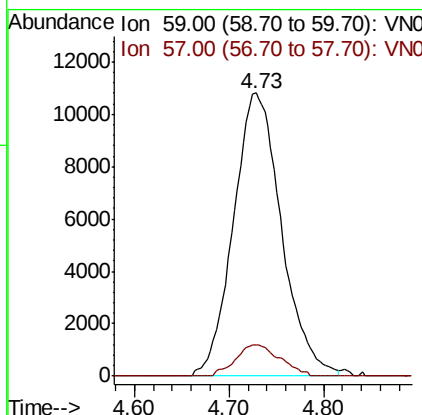
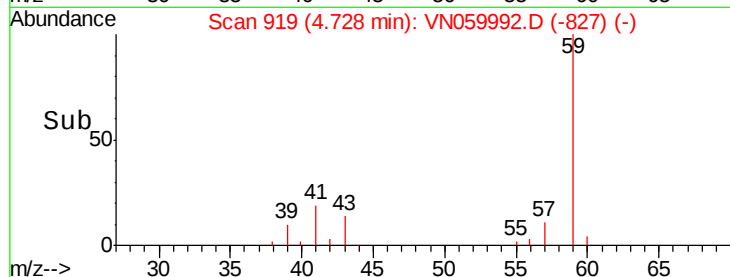
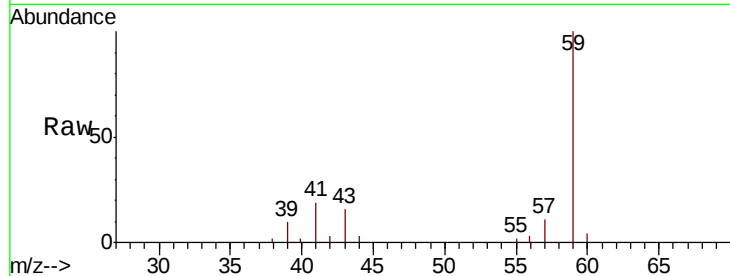




#11
Tert butyl alcohol
Concen: 106.348 ug/l
RT: 4.73 min Scan# 919
Delta R.T. -0.00 min
Lab File: VN059992.D
Acq: 4 Feb 2020 14:25

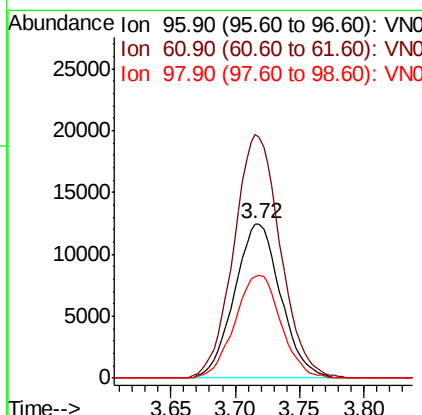
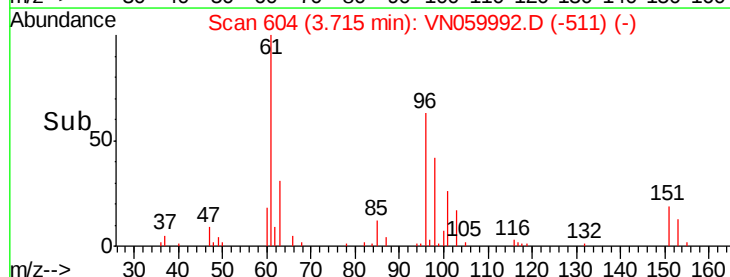
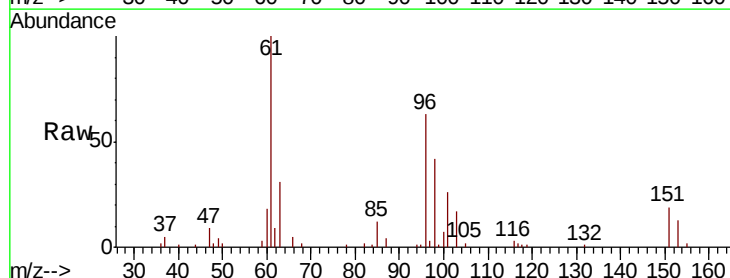
Instrument :
MSVOA_N
ClientSampleId :
VN0204WBSD01

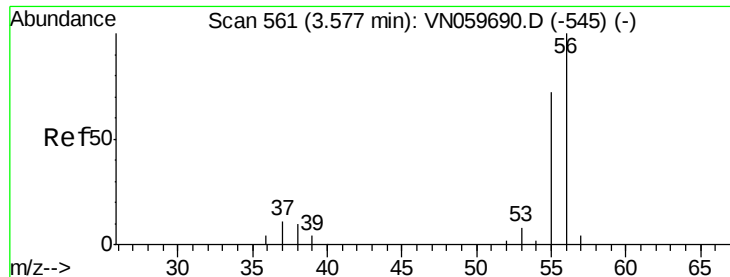
Tot Ion: 59 Resp: 38090
Ion Ratio Lower Upper
59 100
57 10.2 8.6 12.8



#12
1,1-Dichloroethene
Concen: 17.755 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN059992.D
Acq: 4 Feb 2020 14:25

Tgt Ion: 96 Resp: 31120
Ion Ratio Lower Upper
96 100
61 157.7 137.5 206.3
98 65.8 50.2 75.4





#13

Acrolein

Concen: 55.960 ug/l

RT: 3.58 min Scan# 561

Delta R.T. 0.00 min

Lab File: VN059992.D

Acq: 4 Feb 2020 14:25

Instrument :

MSVOA_N

ClientSampleId :

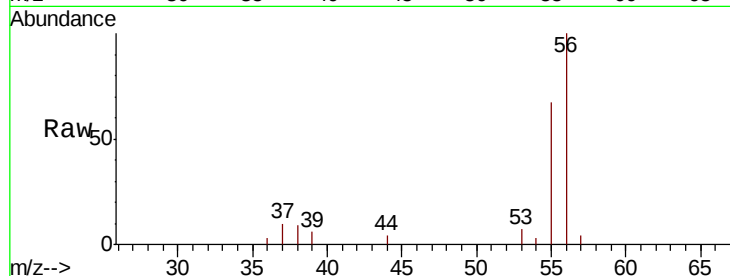
VN0204WBSD01

Tot Ion: 56 Resp: 14188

Ion Ratio Lower Upper

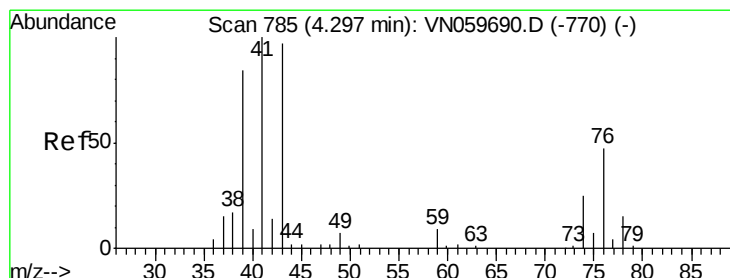
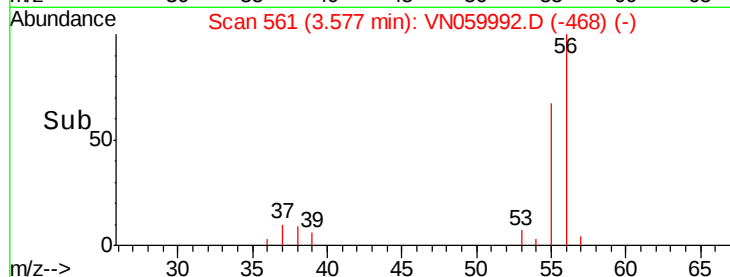
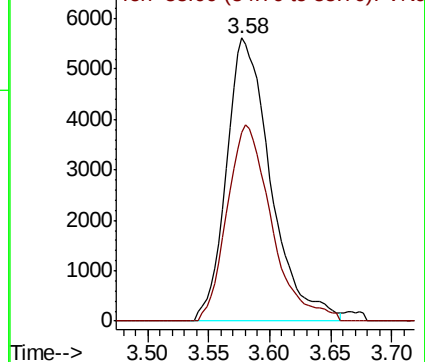
56 100

55 69.7 58.6 88.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 21.692 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN059992.D

Acq: 4 Feb 2020 14:25

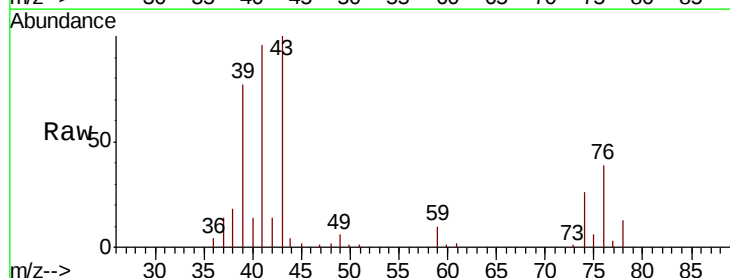
Tgt Ion: 41 Resp: 51248

Ion Ratio Lower Upper

41 100

39 75.3 57.8 86.8

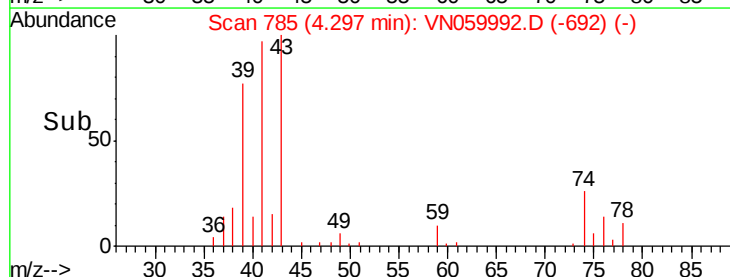
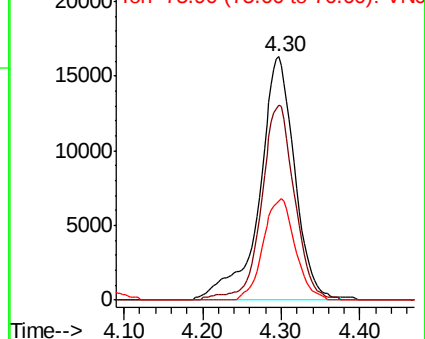
76 37.9 25.4 38.0

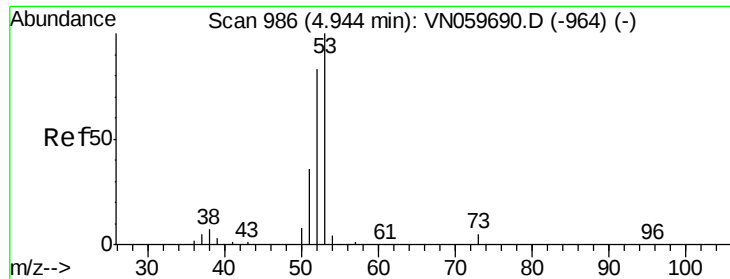


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 106.312 ug/l

RT: 4.95 min Scan# 987

Delta R.T. 0.00 min

Lab File: VN059992.D

Acq: 4 Feb 2020 14:25

Instrument :

MSVOA_N

ClientSampleId :

VN0204WBSD01

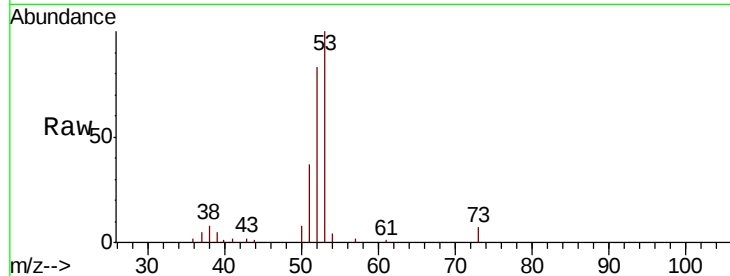
Tot Ion: 53 Resp: 86857

Ion Ratio Lower Upper

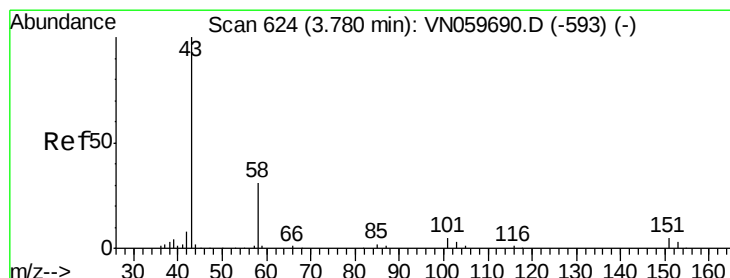
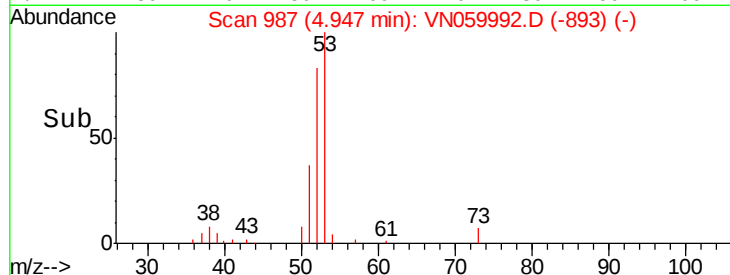
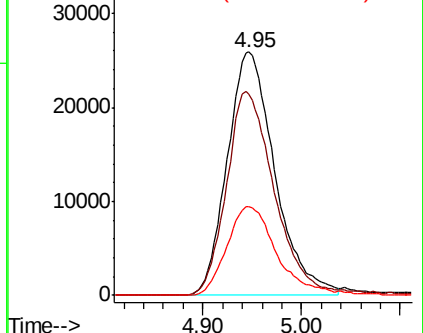
53 100

52 84.6 66.3 99.5

51 38.4 29.7 44.5



Abundance Ion 53.00 (52.70 to 53.70): VN0
Ion 52.00 (51.70 to 52.70): VN0
Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 110.019 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.00 min

Lab File: VN059992.D

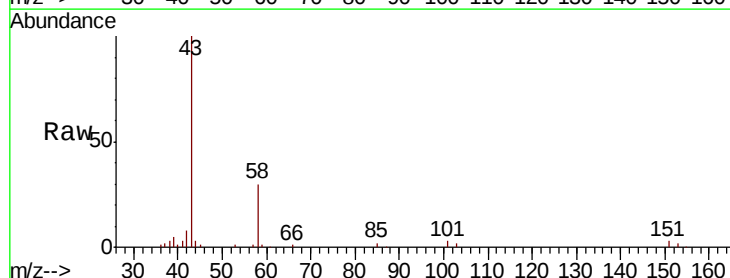
Acq: 4 Feb 2020 14:25

Tgt Ion: 43 Resp: 83903

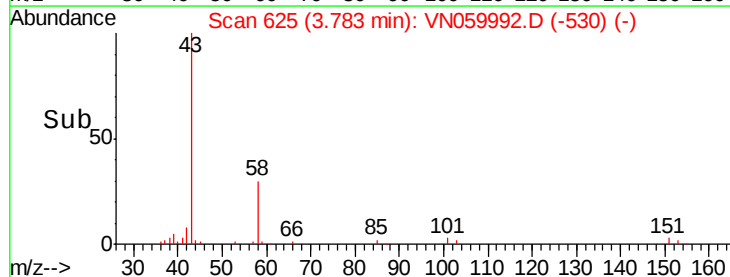
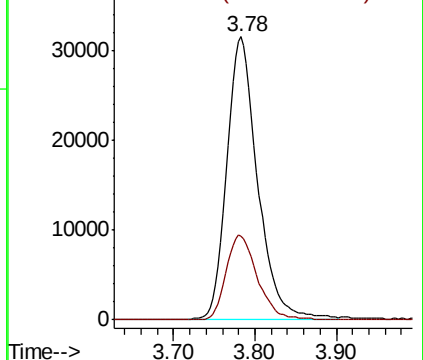
Ion Ratio Lower Upper

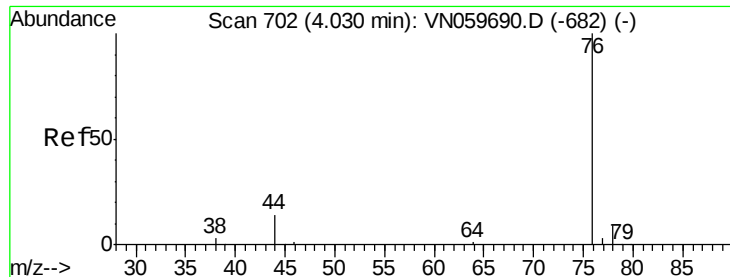
43 100

58 29.7 23.6 35.4



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

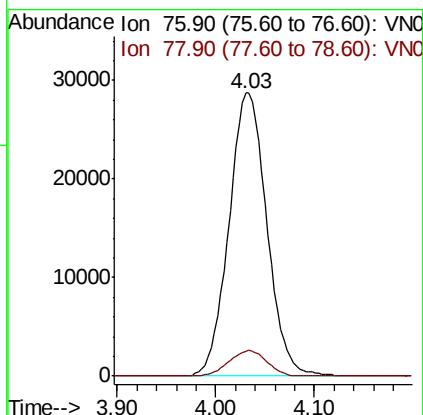
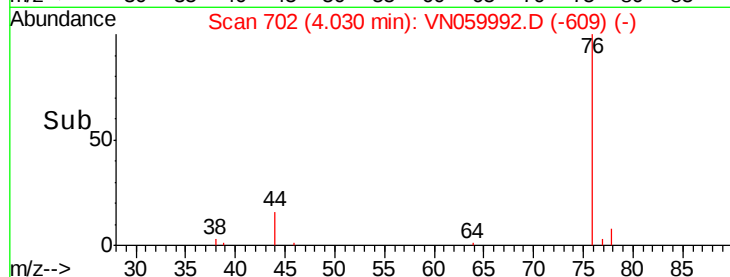
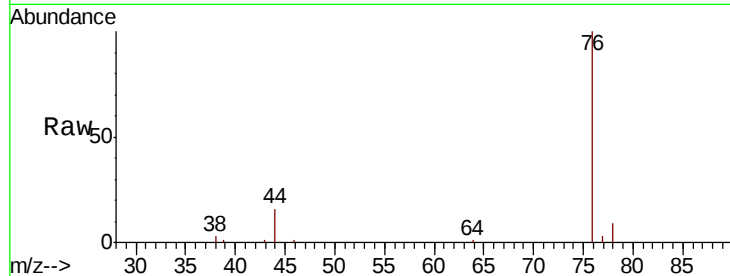




#17
Carbon Disulfide
Concen: 15.360 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN059992.D
Acq: 4 Feb 2020 14:25

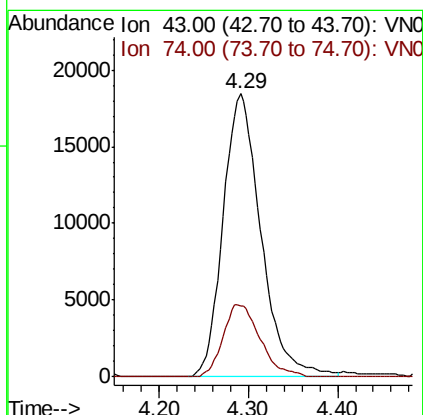
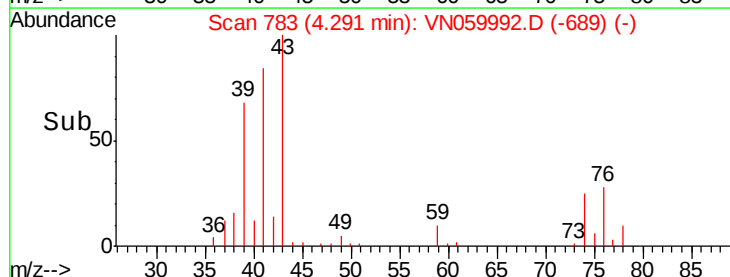
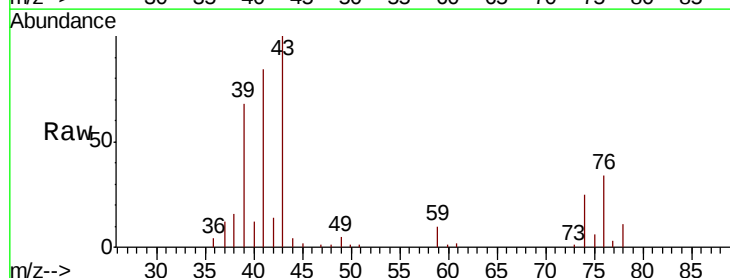
Instrument :
MSVOA_N
ClientSampleId :
VN0204WBSD01

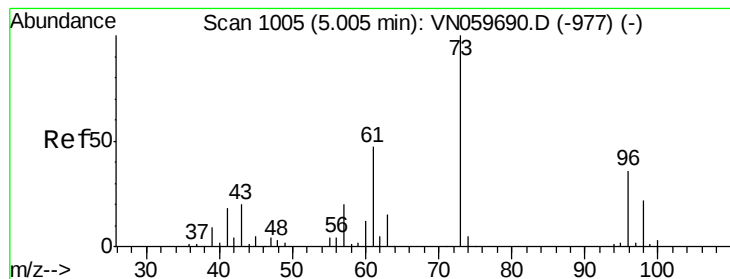
Tot Ion: 76 Resp: 76695
Ion Ratio Lower Upper
76 100
78 8.8 7.4 11.0



#18
Methyl Acetate
Concen: 21.842 ug/l
RT: 4.29 min Scan# 783
Delta R.T. 0.00 min
Lab File: VN059992.D
Acq: 4 Feb 2020 14:25

Tgt Ion: 43 Resp: 54281
Ion Ratio Lower Upper
43 100
74 25.1 17.5 26.3



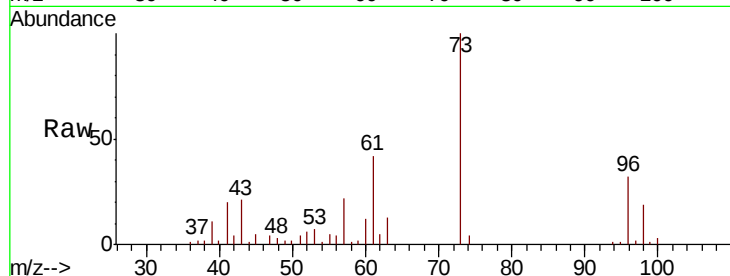


#19

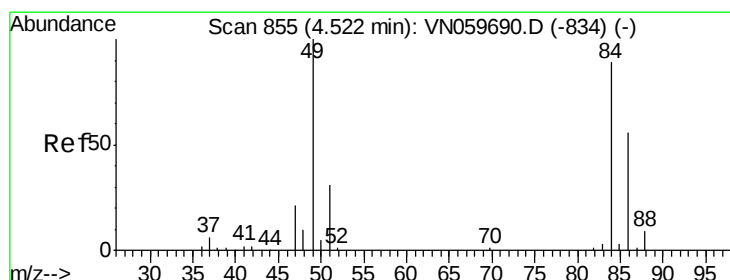
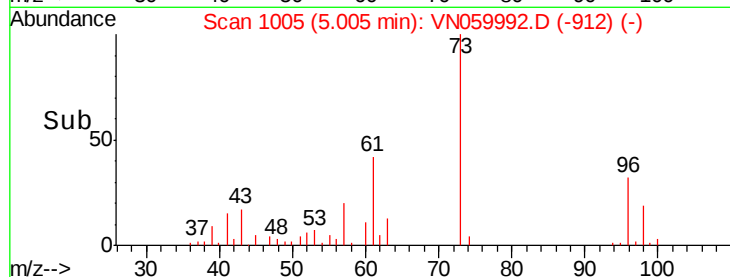
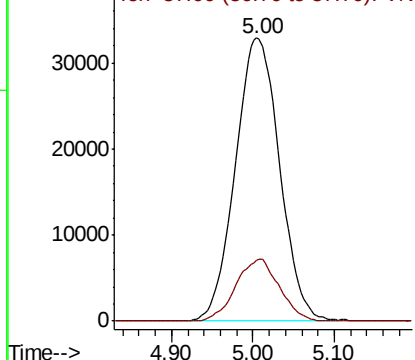
Methyl tert-butyl Ether
 Concen: 21.628 ug/l
 RT: 5.00 min Scan# 1005
 Delta R.T. 0.00 min
 Lab File: VN059992.D
 Acq: 4 Feb 2020 14:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0204WBSD01

Tot Ion: 73 Resp: 123600
 Ion Ratio Lower Upper
 73 100
 57 21.6 18.6 27.8



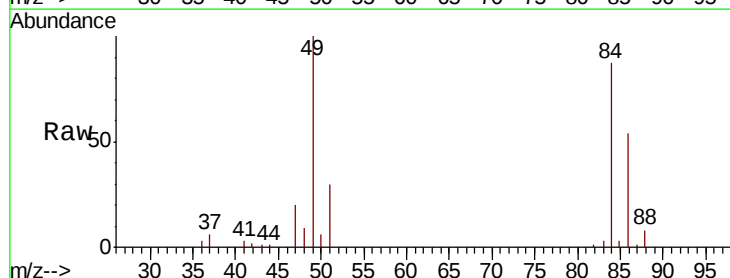
Abundance Ion 73.00 (72.70 to 73.70): VN0
 Ion 57.00 (56.70 to 57.70): VN0



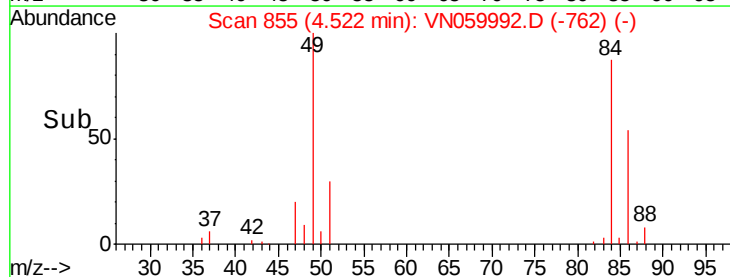
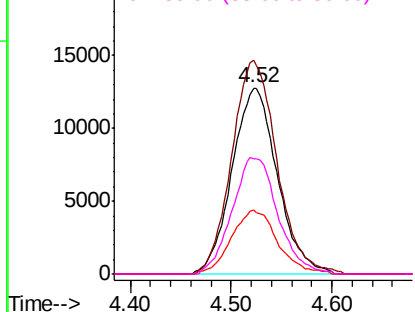
#20

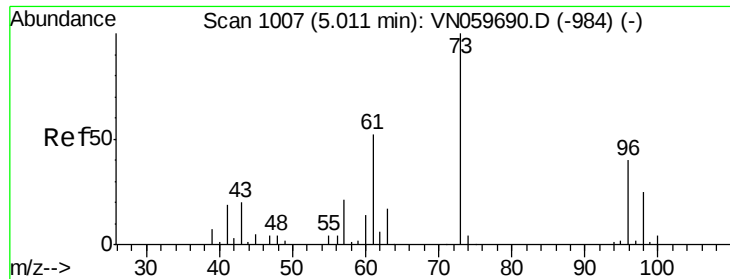
Methylene Chloride
 Concen: 19.908 ug/l
 RT: 4.52 min Scan# 855
 Delta R.T. 0.00 min
 Lab File: VN059992.D
 Acq: 4 Feb 2020 14:25

Tgt Ion: 84 Resp: 39819
 Ion Ratio Lower Upper
 84 100
 49 114.7 106.6 160.0
 51 34.1 31.9 47.9
 86 62.1 50.8 76.2



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

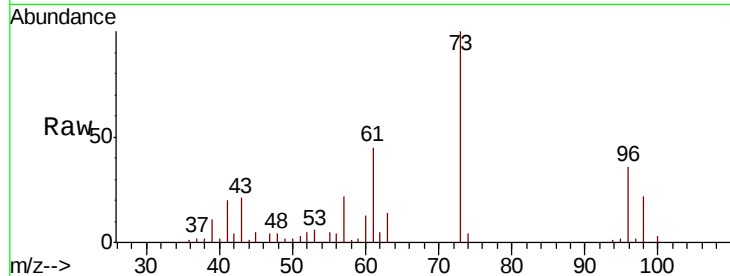




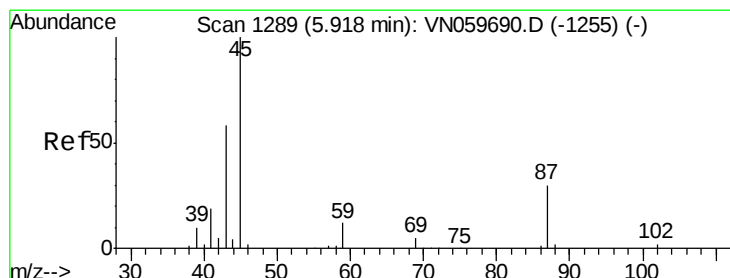
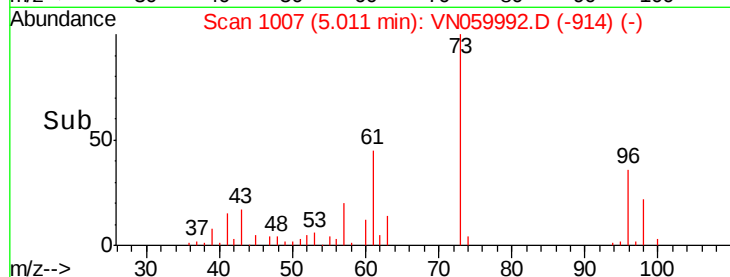
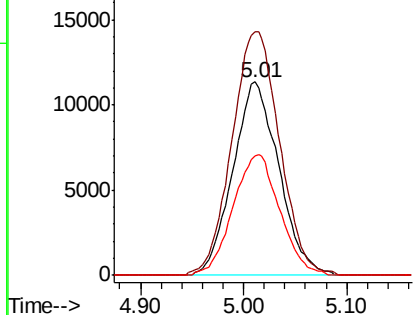
#21
trans-1,2-Dichloroethene
Concen: 18.904 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. 0.00 min
Lab File: VN059992.D
Acq: 4 Feb 2020 14:25

Instrument :
MSVOA_N
ClientSampleId :
VN0204WBSD01

Tot Ion: 96 Resp: 35222
Ion Ratio Lower Upper
96 100
61 125.8 120.4 180.6
98 61.6 50.6 75.8

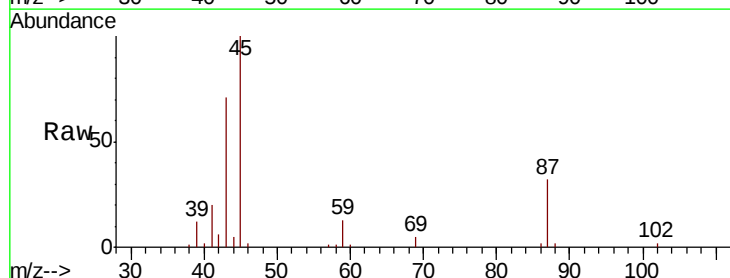


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

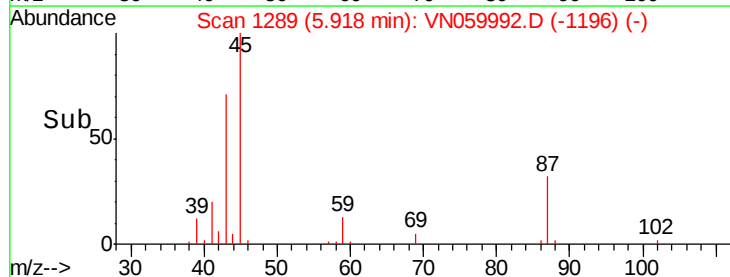
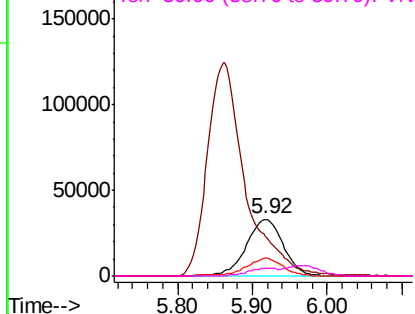


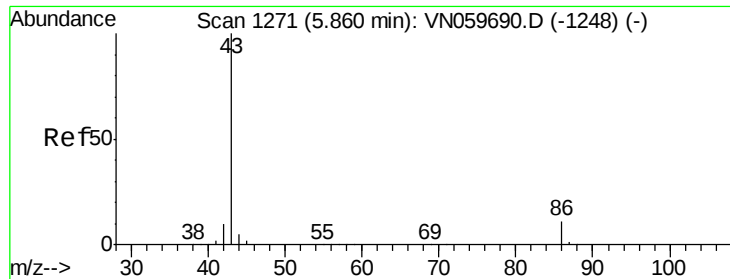
#22
Diisopropyl ether
Concen: 21.325 ug/l
RT: 5.92 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VN059992.D
Acq: 4 Feb 2020 14:25

Tgt Ion: 45 Resp: 114172
Ion Ratio Lower Upper
45 100
43 68.7 50.8 76.2
87 31.9 21.0 31.6#
59 13.4 9.1 13.7



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 105.900 ug/l

RT: 5.86 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VN059992.D

Acq: 4 Feb 2020 14:25

Instrument :

MSVOA_N

ClientSampled :

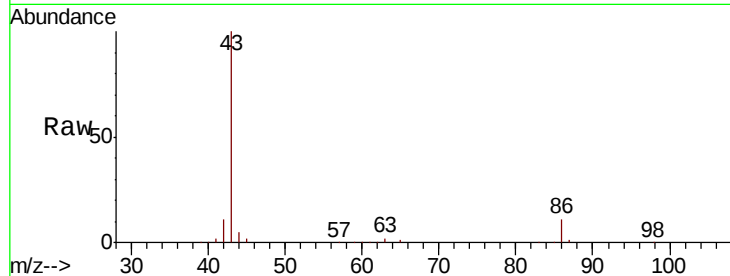
VN0204WBSD01

Tot Ion: 43 Resp: 438980

Ion Ratio Lower Upper

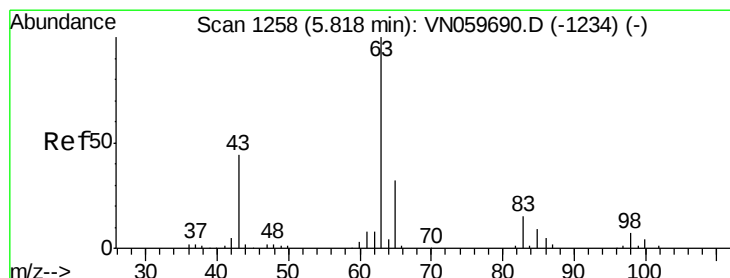
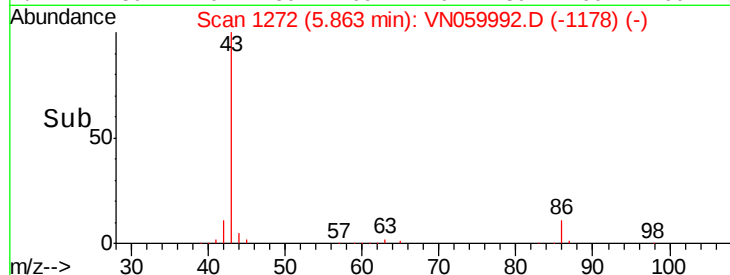
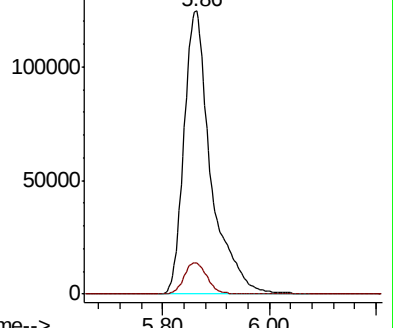
43 100

86 10.9 7.6 11.4



Abundance Ion 43.00 (42.70 to 43.70): VN059992.D (-1178) (-)

Ion 86.00 (85.70 to 86.70): VN059992.D (-1178) (-)



#24

1,1-Dichloroethane

Concen: 20.084 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VN059992.D

Acq: 4 Feb 2020 14:25

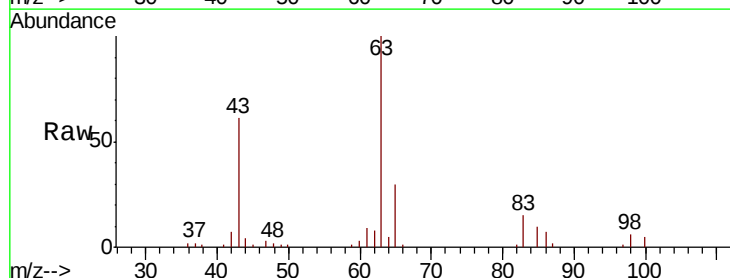
Tgt Ion: 63 Resp: 65704

Ion Ratio Lower Upper

63 100

98 6.3 2.9 8.7

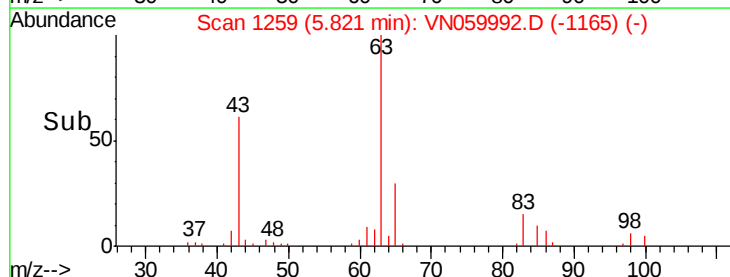
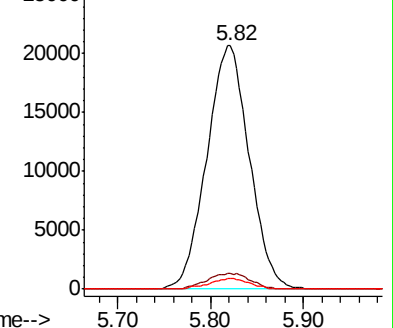
100 4.5 2.0 6.0

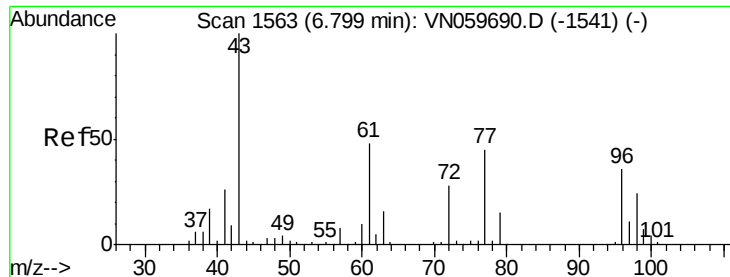


Abundance Ion 62.90 (62.60 to 63.60): VN059992.D (-1165) (-)

Ion 97.90 (97.60 to 98.60): VN059992.D (-1165) (-)

Ion 99.90 (99.60 to 100.60): VN059992.D (-1165) (-)





#25

2-Butanone

Concen: 100.023 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN059992.D

Acq: 4 Feb 2020 14:25

Instrument :

MSVOA_N

ClientSampleId :

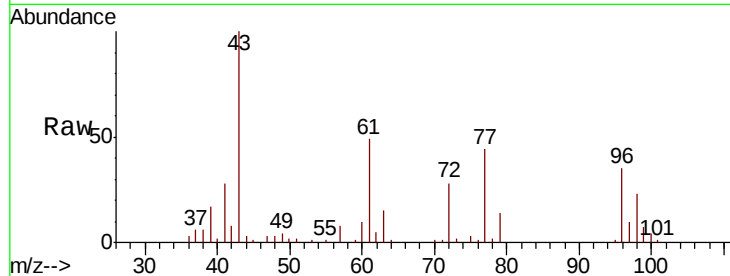
VN0204WBSD01

Tot Ion: 43 Resp: 120510

Ion Ratio Lower Upper

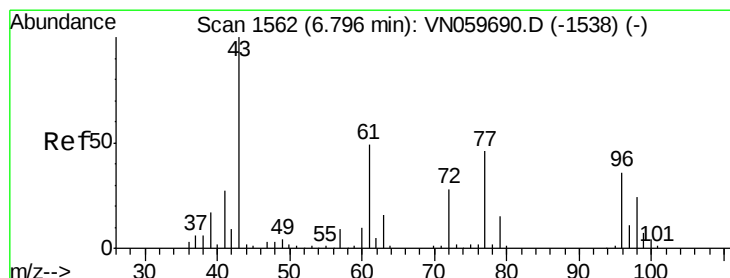
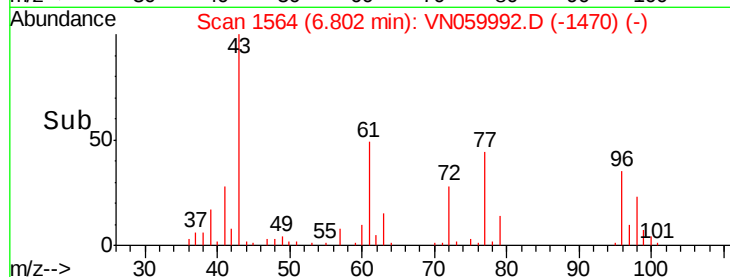
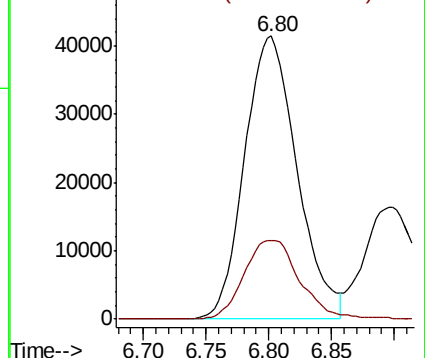
43 100

72 27.6 19.9 29.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 19.609 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN059992.D

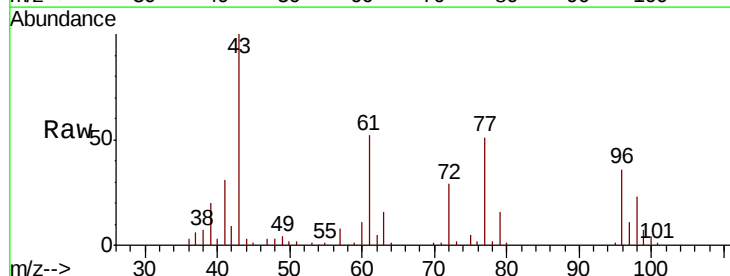
Acq: 4 Feb 2020 14:25

Tgt Ion: 77 Resp: 61670

Ion Ratio Lower Upper

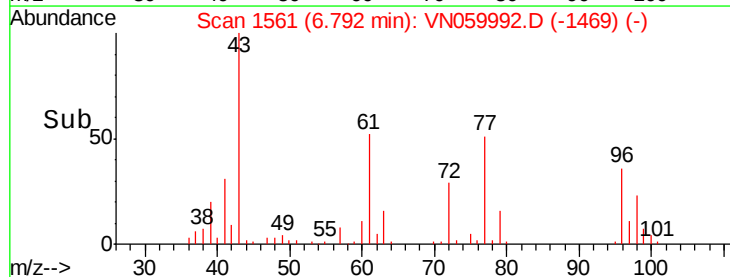
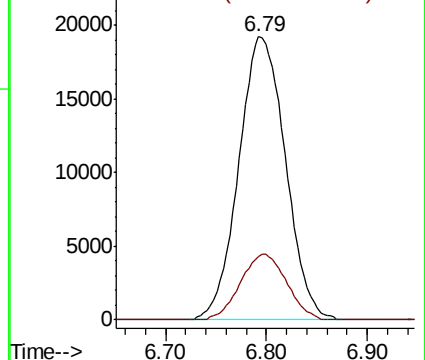
77 100

97 22.9 10.7 31.9



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 20.087 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059992.D

Acq: 4 Feb 2020 14:25

Instrument :

MSVOA_N

ClientSampleId :

VN0204WBSD01

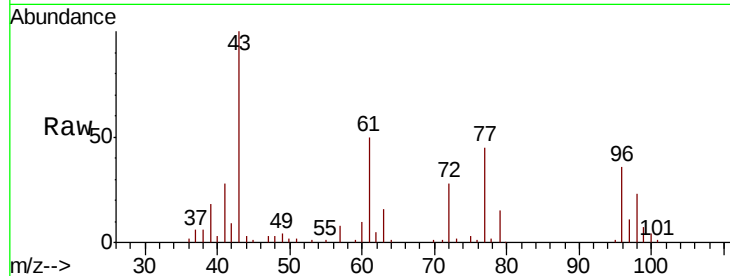
Tot Ion: 96 Resp: 43045

Ion Ratio Lower Upper

96 100

61 141.1 0.0 317.6

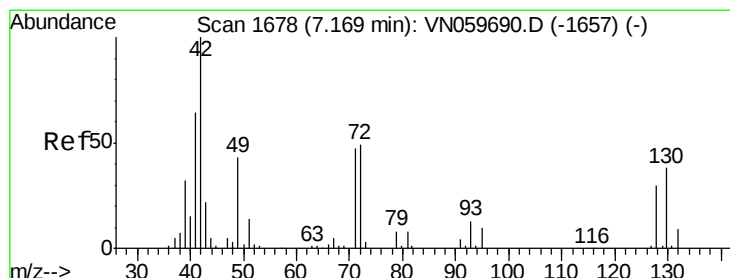
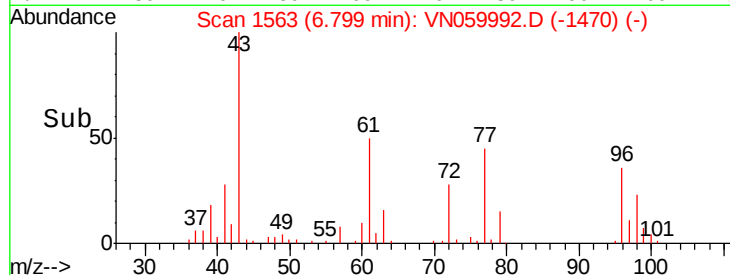
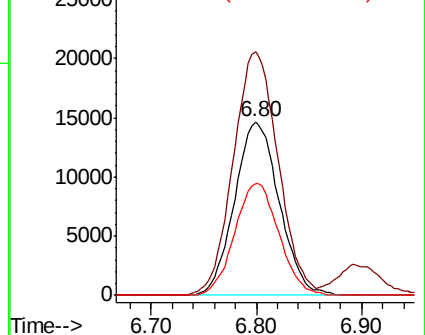
98 64.0 0.0 127.0



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 20.059 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. 0.00 min

Lab File: VN059992.D

Acq: 4 Feb 2020 14:25

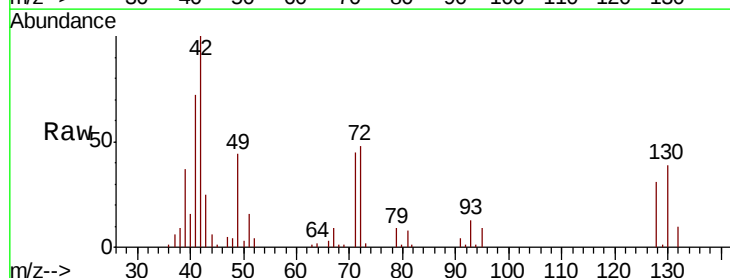
Tgt Ion: 49 Resp: 26227

Ion Ratio Lower Upper

49 100

129 1.0 0.0 3.4

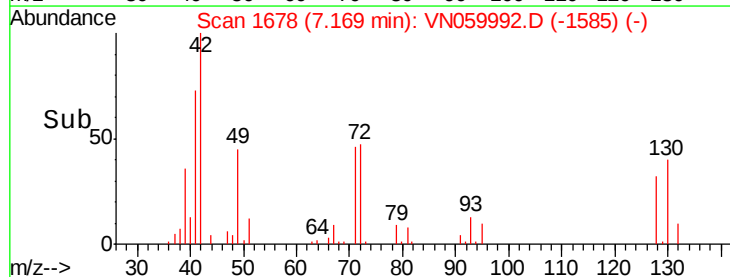
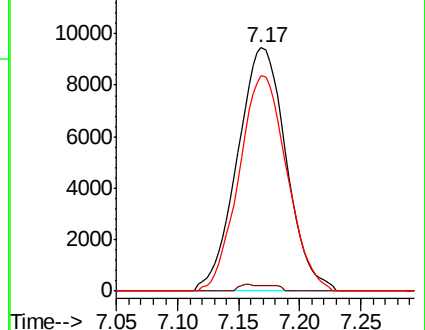
130 86.8 54.7 82.1#



Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

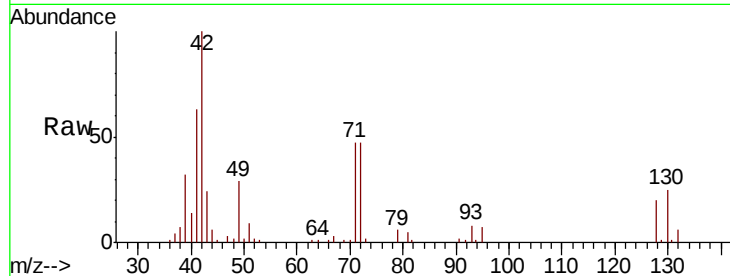




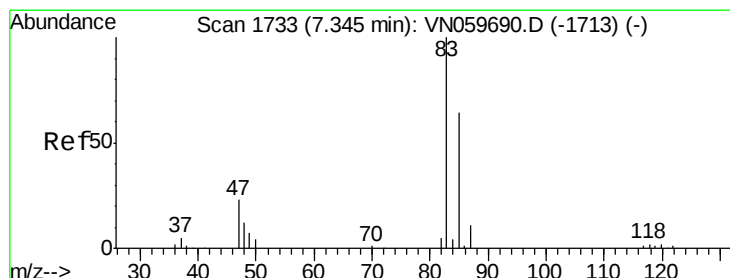
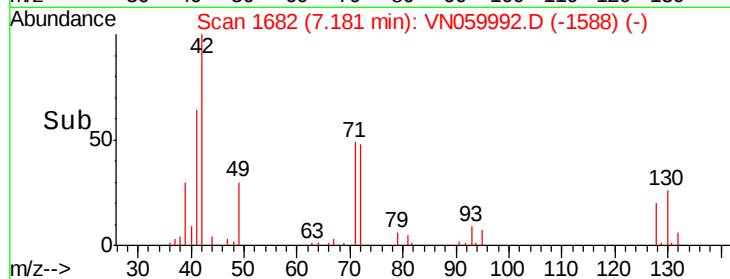
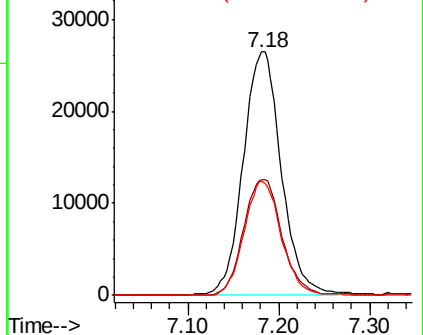
#29
Tetrahydrofuran
Concen: 103.249 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VN059992.D
Acq: 4 Feb 2020 14:25

Instrument :
MSVOA_N
ClientSampled :
VN0204WBSD01

Tot Ion: 42 Resp: 76967
Ion Ratio Lower Upper
42 100
72 47.9 33.1 49.7
71 45.4 31.4 47.0

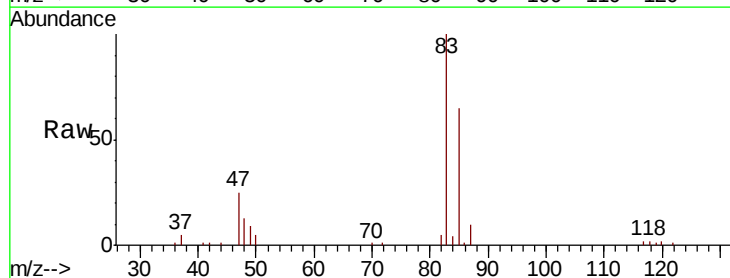


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

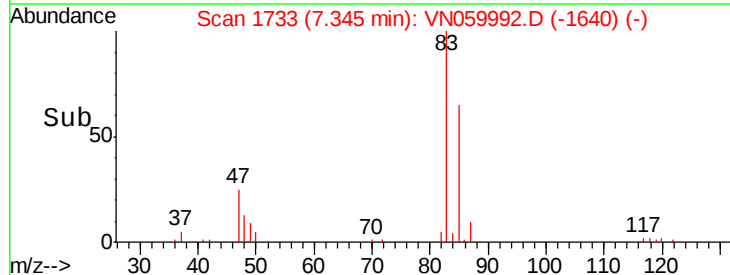
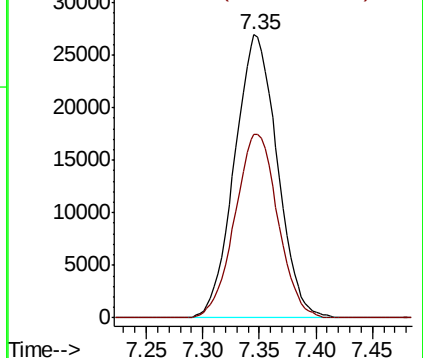


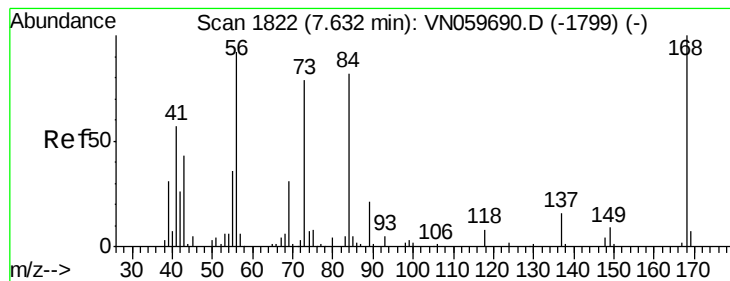
#30
Chloroform
Concen: 20.837 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN059992.D
Acq: 4 Feb 2020 14:25

Tgt Ion: 83 Resp: 70627
Ion Ratio Lower Upper
83 100
85 64.7 52.4 78.6



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





#31

Cyclohexane

Concen: 17.803 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VN059992.D

Acq: 4 Feb 2020 14:25

Instrument :

MSVOA_N

ClientSampleId :

VN0204WBSD01

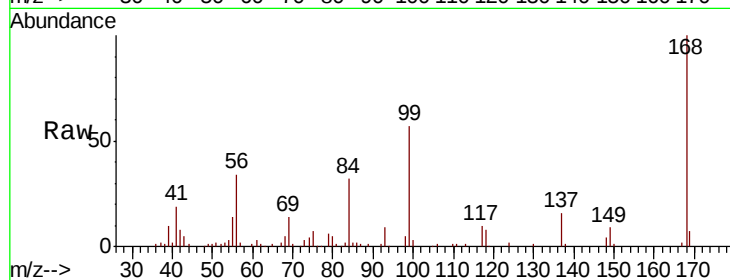
Tot Ion: 56 Resp: 56041

Ion Ratio Lower Upper

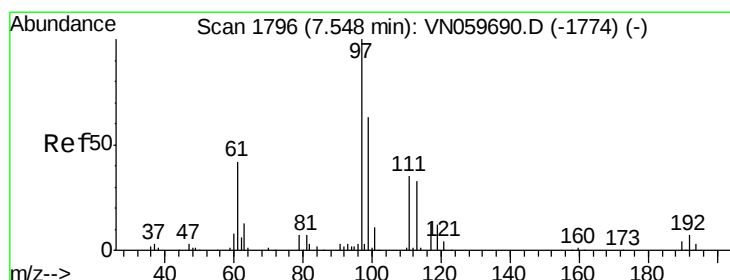
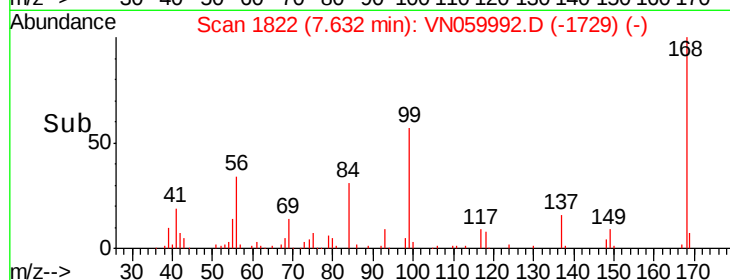
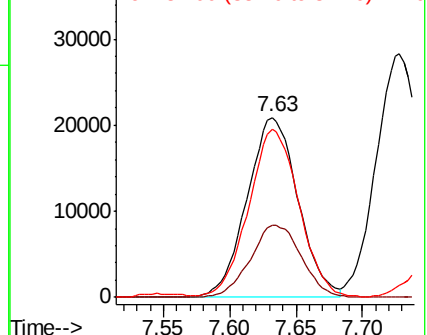
56 100

69 40.4 26.5 39.7#

84 92.5 65.3 97.9



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



#32

1,1,1-Trichloroethane

Concen: 20.334 ug/l

RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN059992.D

Acq: 4 Feb 2020 14:25

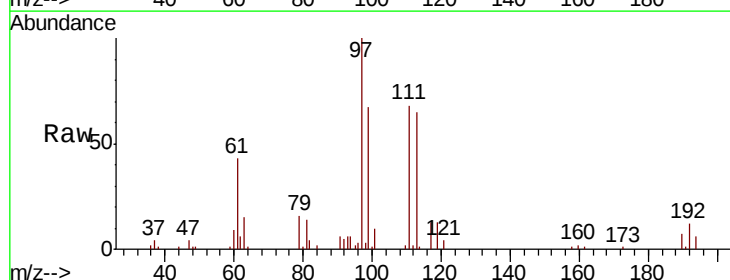
Tgt Ion: 97 Resp: 63728

Ion Ratio Lower Upper

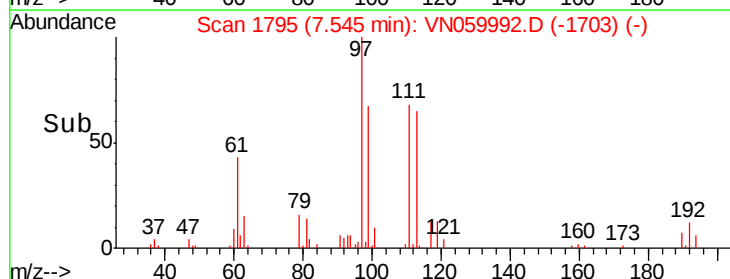
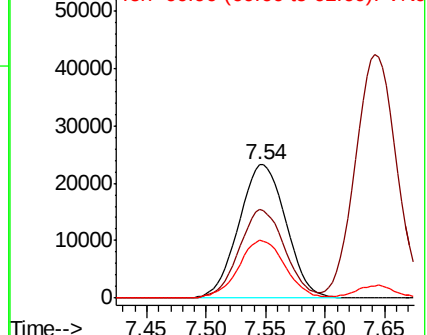
97 100

99 64.3 51.0 76.4

61 42.9 38.5 57.7



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0

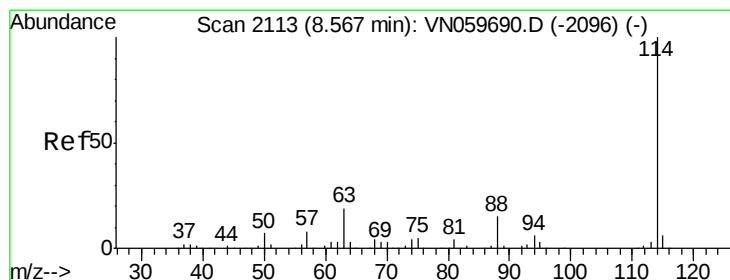
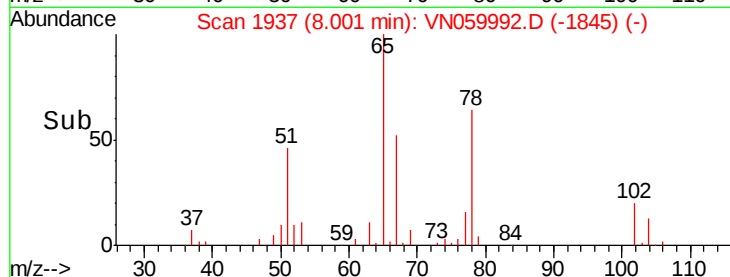
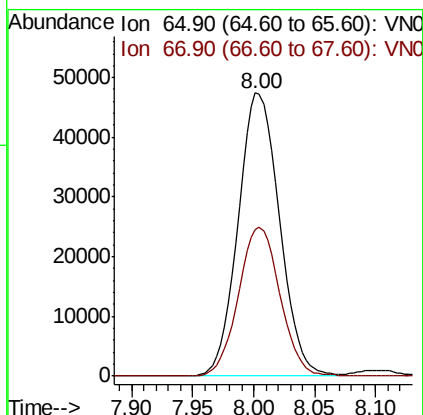
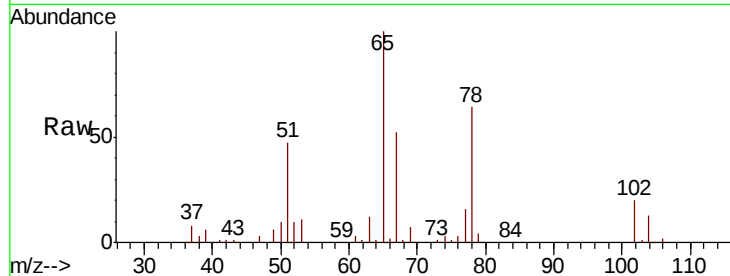




#33
 1,2-Dichloroethane-d4
 Concen: 52.406 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN059992.D
 Acq: 4 Feb 2020 14:25

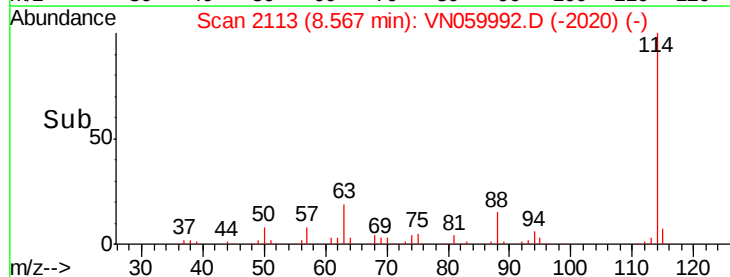
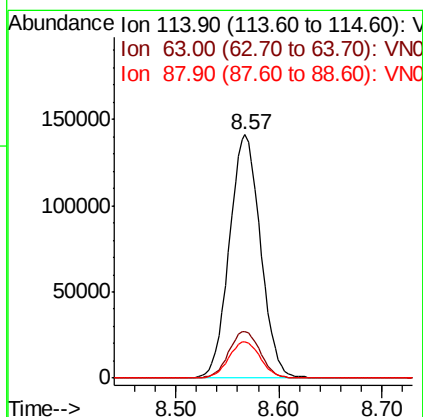
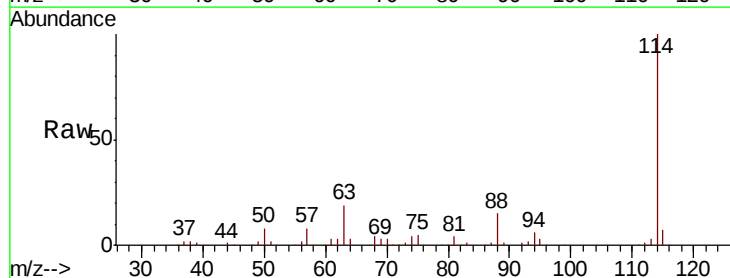
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0204WBSD01

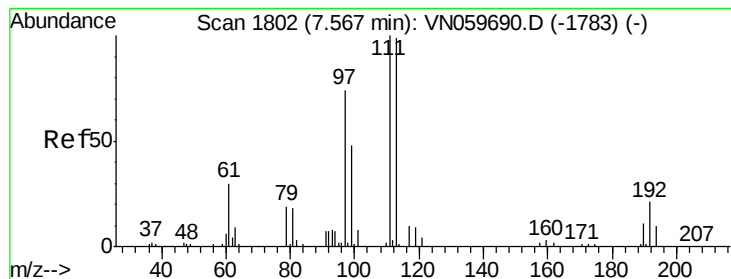
Tot Ion: 65 Resp: 111498
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059992.D
 Acq: 4 Feb 2020 14:25

Tgt Ion: 114 Resp: 297393
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 43.6
 88 14.8 0.0 31.4





#35

Dibromofluoromethane

Concen: 51.064 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN059992.D

Acq: 4 Feb 2020 14:25

Instrument :

MSVOA_N

ClientSampleId :

VN0204WBSD01

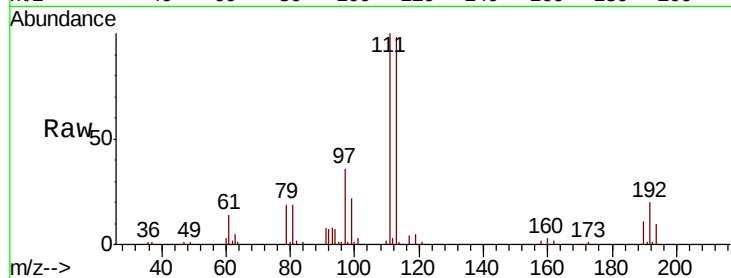
Tot Ion:113 Resp: 90562

Ion Ratio Lower Upper

113 100

111 101.8 83.5 125.3

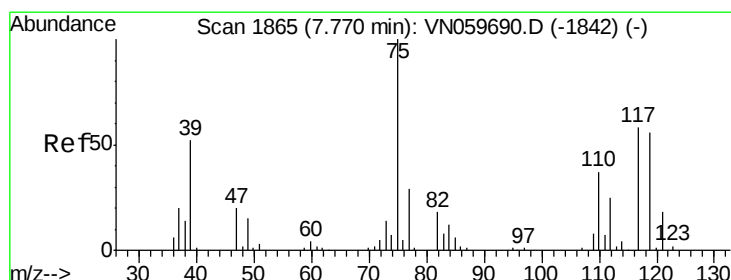
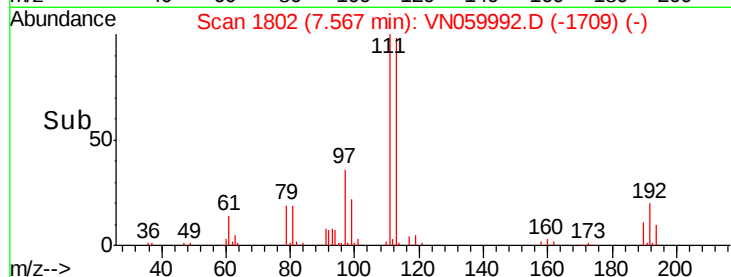
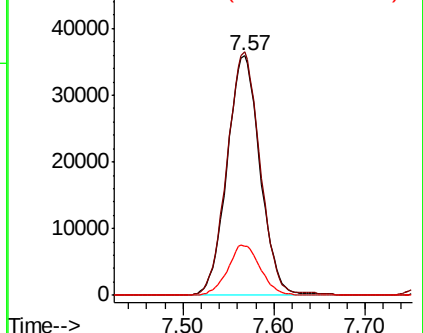
192 20.6 15.4 23.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 19.025 ug/l

RT: 7.77 min Scan# 1865

Delta R.T. 0.00 min

Lab File: VN059992.D

Acq: 4 Feb 2020 14:25

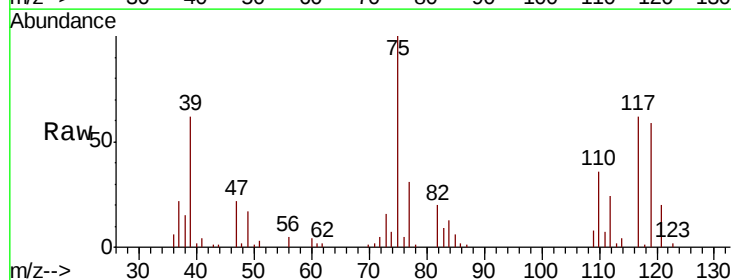
Tgt Ion: 75 Resp: 49270

Ion Ratio Lower Upper

75 100

110 36.4 16.6 49.7

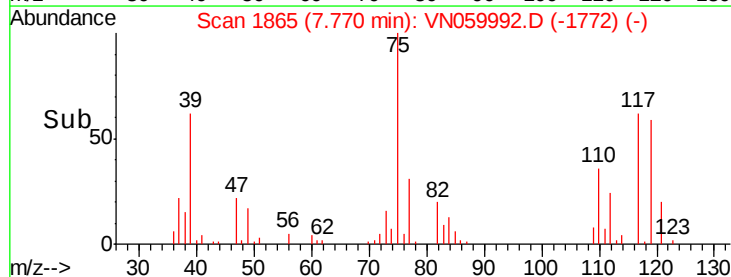
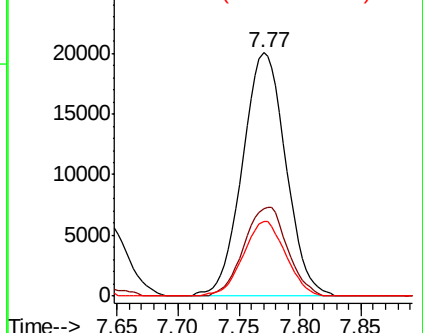
77 30.0 25.1 37.7

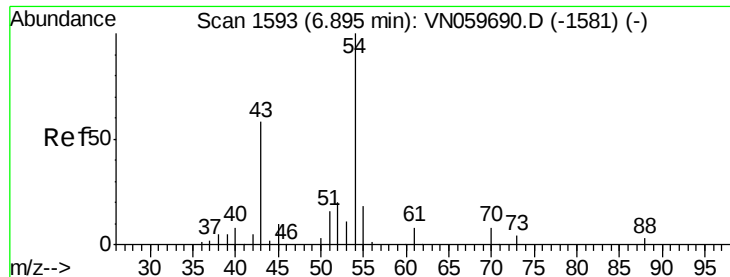


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

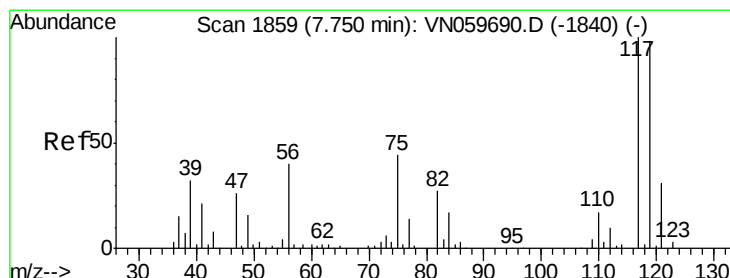
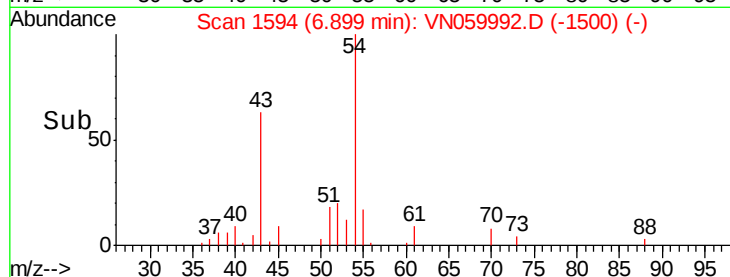
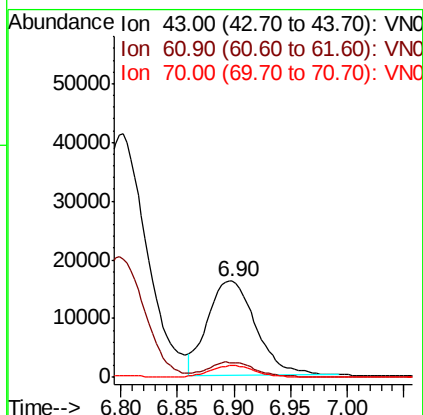
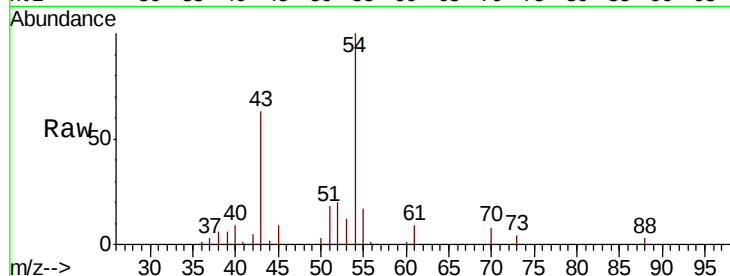




#37
Ethyl Acetate
Concen: 19.746 ug/l
RT: 6.90 min Scan# 1594
Delta R.T. 0.00 min
Lab File: VN059992.D
Acq: 4 Feb 2020 14:25

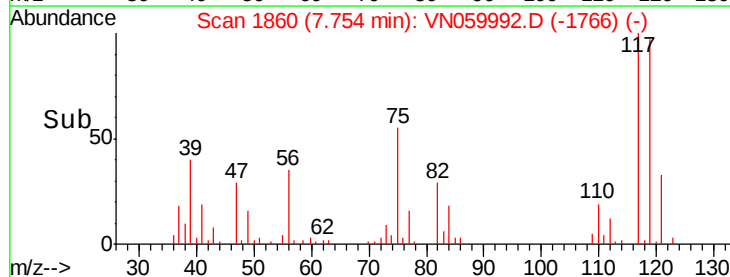
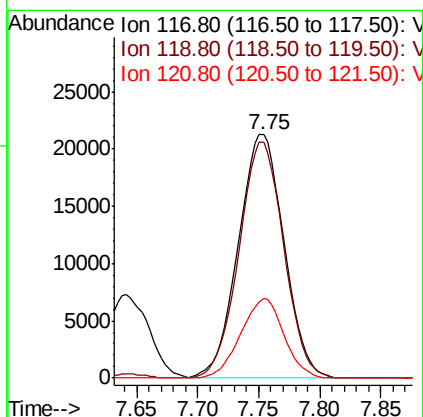
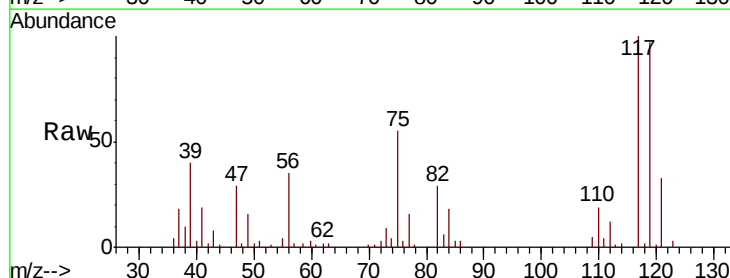
Instrument :
MSVOA_N
ClientSampleId :
VN0204WBSD01

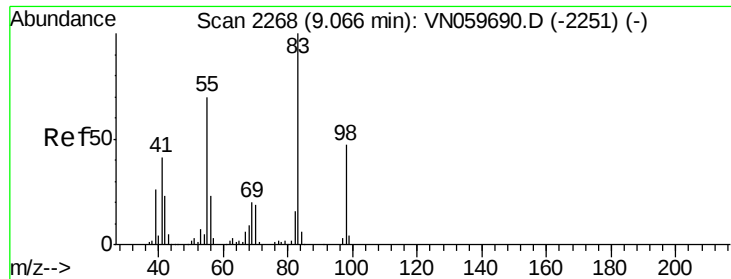
Tot Ion: 43 Resp: 47964
Ion Ratio Lower Upper
43 100
61 15.9 10.9 16.3
70 11.4 7.7 11.5



#38
Carbon Tetrachloride
Concen: 19.511 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN059992.D
Acq: 4 Feb 2020 14:25

Tgt Ion: 117 Resp: 54967
Ion Ratio Lower Upper
117 100
119 96.8 76.5 114.7
121 32.8 25.1 37.7

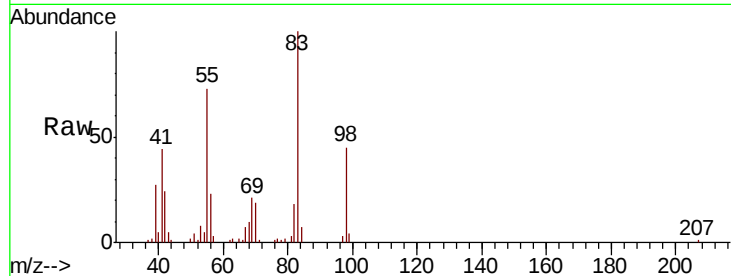




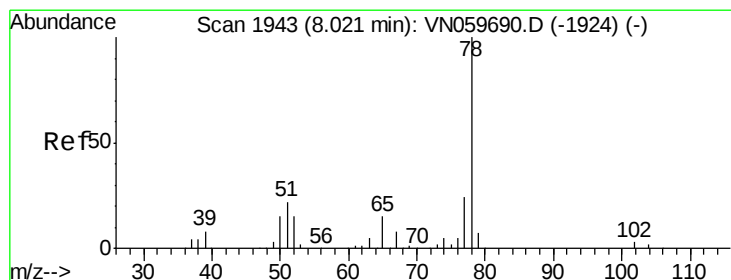
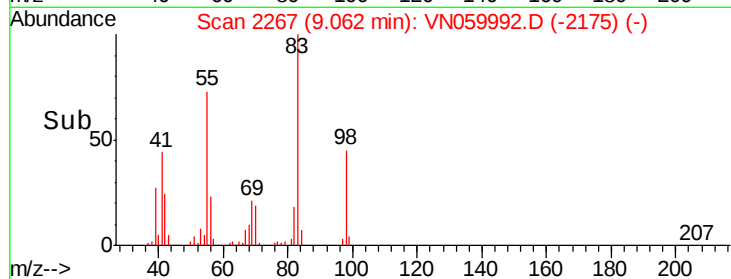
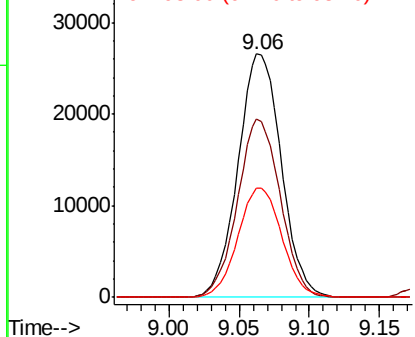
#39
Methvlcvclohexane
Concen: 17.861 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059992.D
Acq: 4 Feb 2020 14:25

Instrument :
MSVOA_N
ClientSampleId :
VN0204WBSD01

Tot Ion: 83 Resp: 57037
Ion Ratio Lower Upper
83 100
55 73.4 64.2 96.2
98 44.7 35.9 53.9

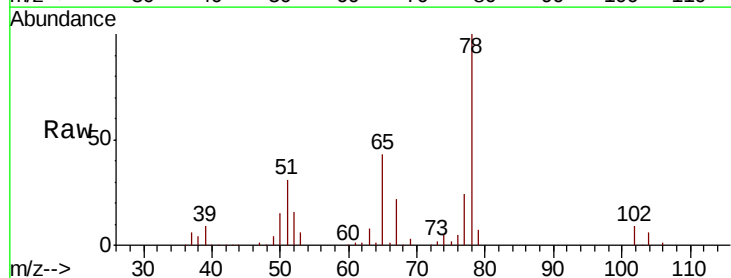


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

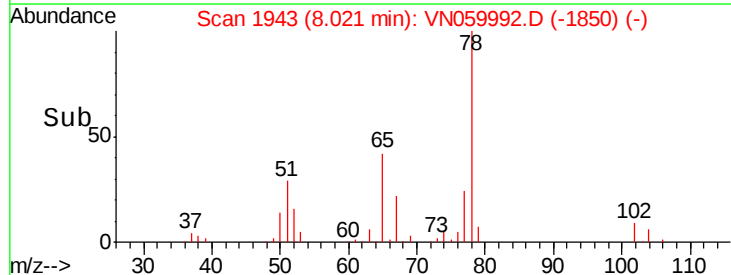
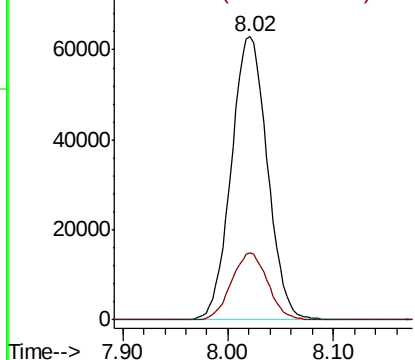


#40
Benzene
Concen: 19.355 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN059992.D
Acq: 4 Feb 2020 14:25

Tgt Ion: 78 Resp: 149489
Ion Ratio Lower Upper
78 100
77 23.8 18.9 28.3



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

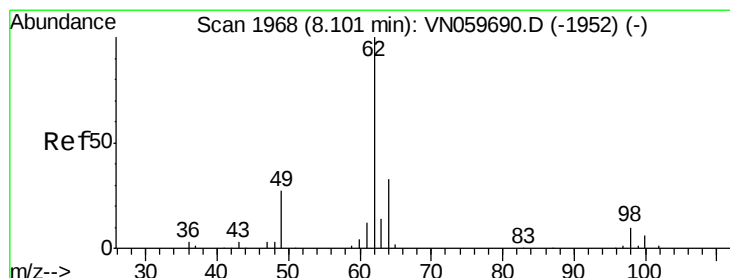
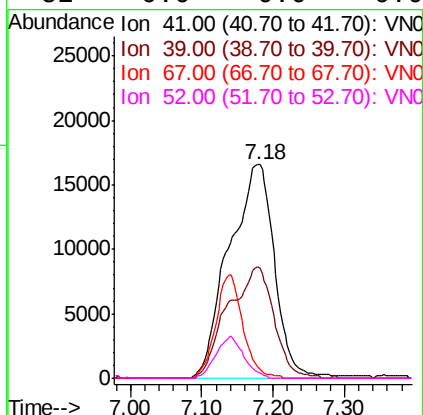
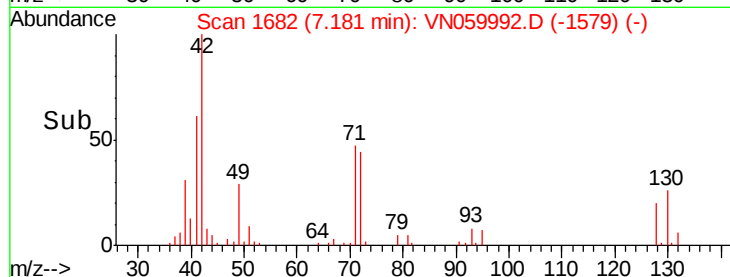
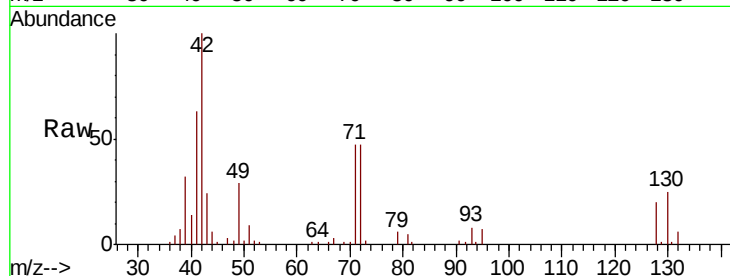




#41
Methacrylonitrile
Concen: 61.159 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.03 min
Lab File: VN059992.D
Acq: 4 Feb 2020 14:25

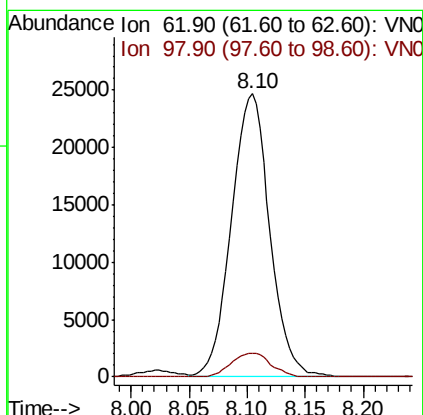
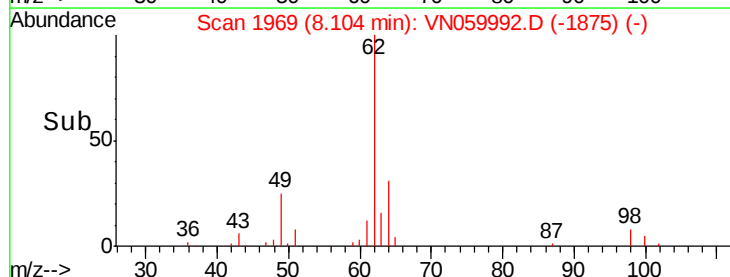
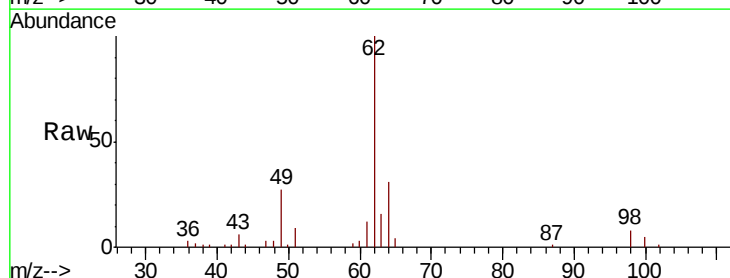
Instrument :
MSVOA_N
ClientSampleId :
VN0204WBSD01

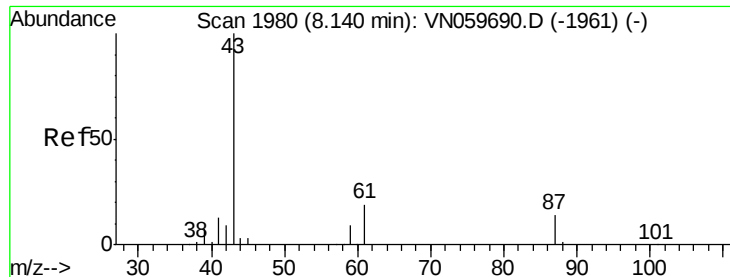
Tot Ion:	41	Resp:	73172
Ion	Ratio	Lower	Upper
41	100		
39	52.8	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 21.630 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. 0.00 min
Lab File: VN059992.D
Acq: 4 Feb 2020 14:25

Tgt Ion:	62	Resp:	56645
Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	15.8





#43

Isopropyl Acetate

Concen: 20.709 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. 0.00 min

Lab File: VN059992.D

Acq: 4 Feb 2020 14:25

Instrument :

MSVOA_N

ClientSampleId :

VN0204WBSD01

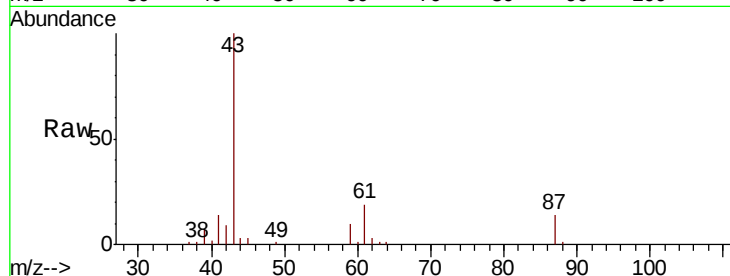
Tot Ion: 43 Resp: 86524

Ion Ratio Lower Upper

43 100

61 27.2 20.2 30.2

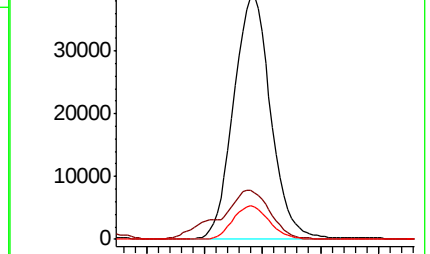
87 13.4 9.5 14.3



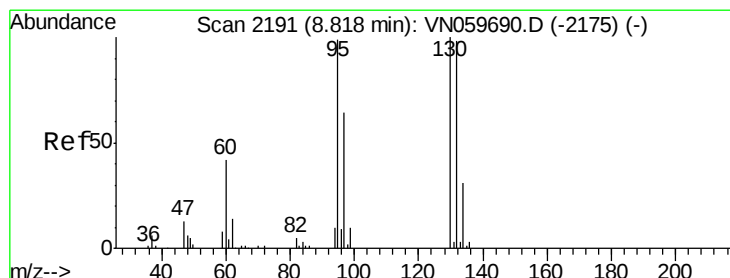
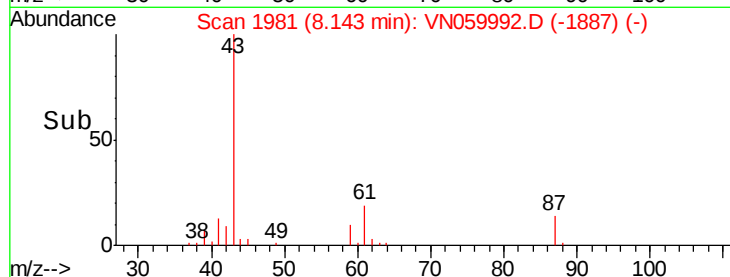
Abundance Ion 43.00 (42.70 to 43.70): VN059992.D (-1961) (-)

Ion 61.00 (60.70 to 61.70): VN059992.D (-1961) (-)

Ion 87.00 (86.70 to 87.70): VN059992.D (-1961) (-)



Time-->



#44

Trichloroethene

Concen: 20.431 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. 0.00 min

Lab File: VN059992.D

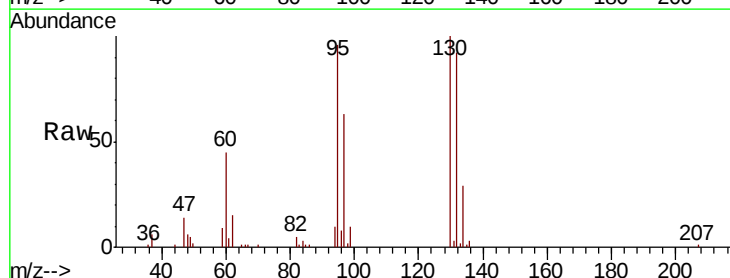
Acq: 4 Feb 2020 14:25

Tgt Ion: 130 Resp: 43078

Ion Ratio Lower Upper

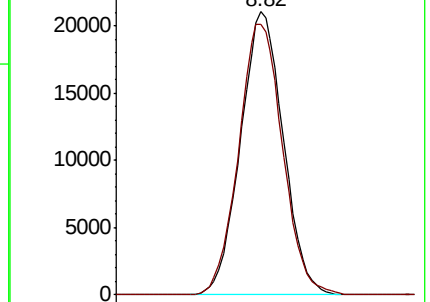
130 100

95 95.6 0.0 207.0

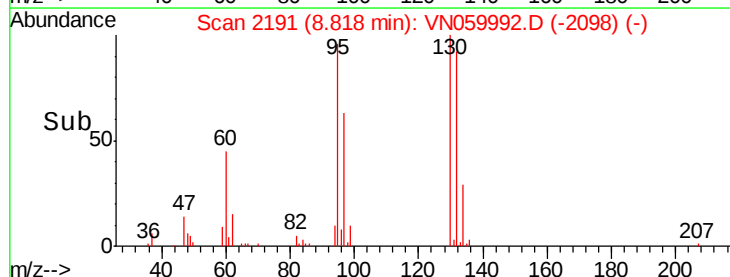


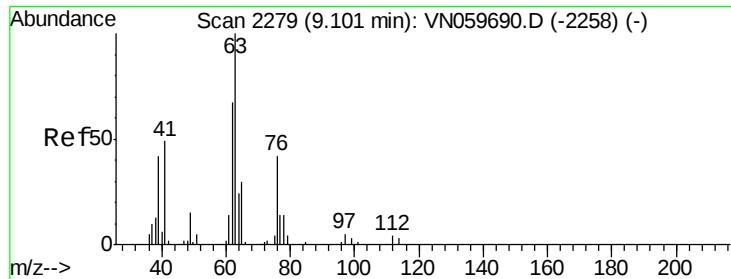
Abundance Ion 129.80 (129.50 to 130.50): VN059992.D (-2175) (-)

Ion 94.90 (94.60 to 95.60): VN059992.D (-2175) (-)



Time-->

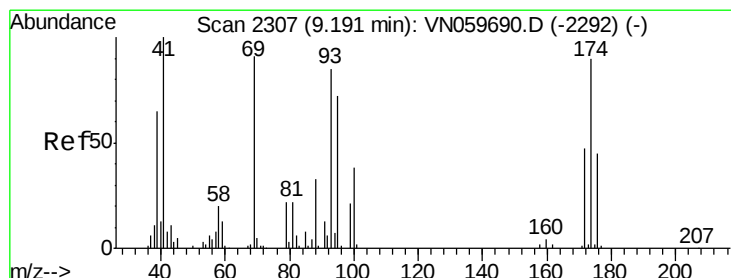
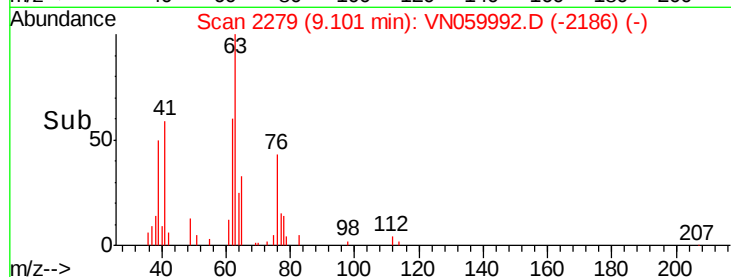
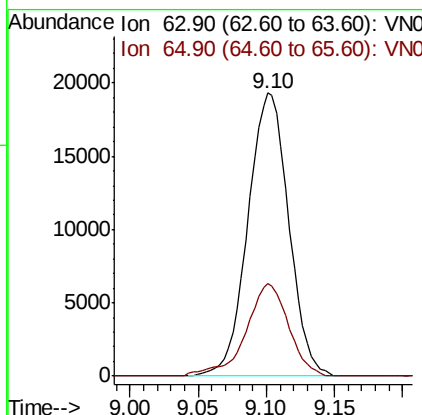
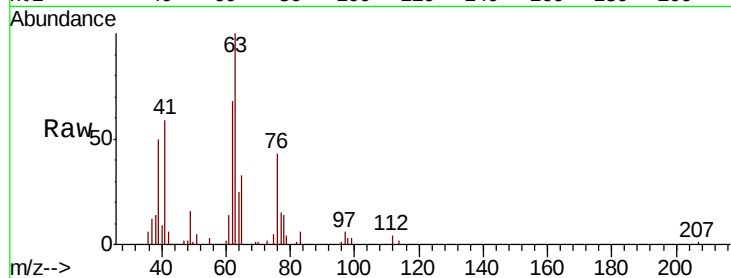




#45
 1,2-Dichloropropane
 Concen: 20.950 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN059992.D
 Acq: 4 Feb 2020 14:25

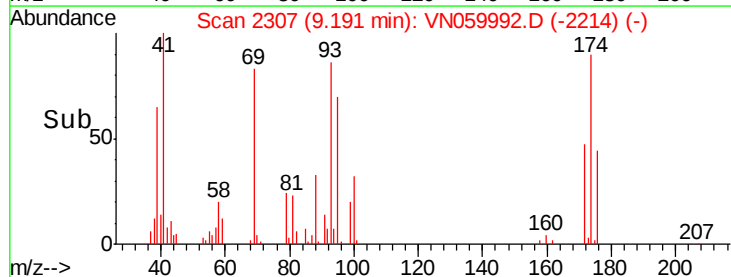
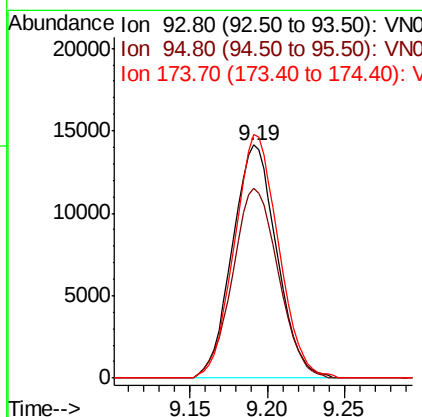
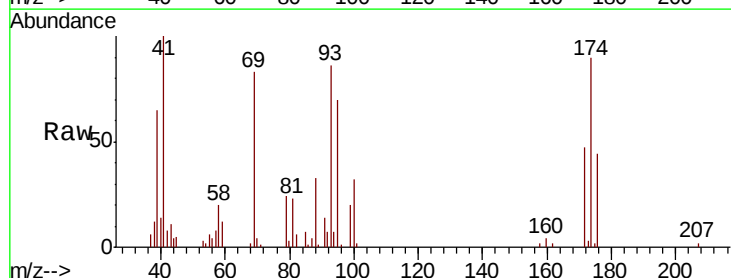
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0204WBSD01

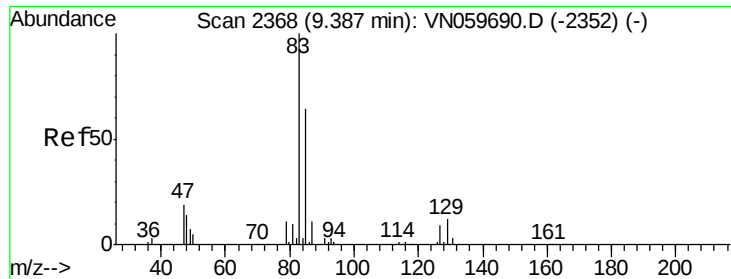
Tot Ion: 63 Resp: 40040
 Ion Ratio Lower Upper
 63 100
 65 32.6 24.9 37.3



#46
 Dibromomethane
 Concen: 20.933 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN059992.D
 Acq: 4 Feb 2020 14:25

Tgt Ion: 93 Resp: 28222
 Ion Ratio Lower Upper
 93 100
 95 83.6 67.0 100.6
 174 103.8 73.4 110.2

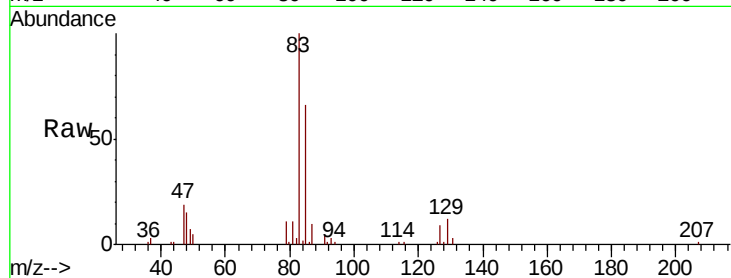




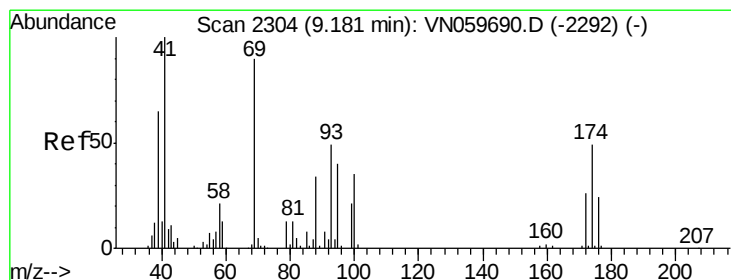
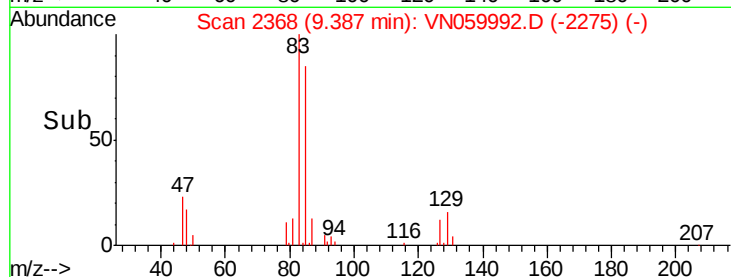
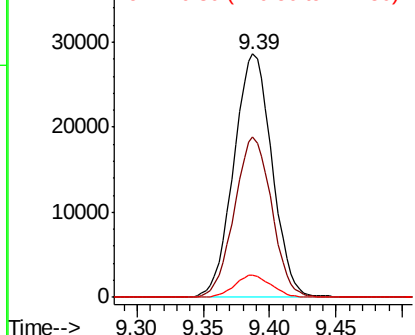
#47
 Bromodichloromethane
 Concen: 21.109 ug/l
 RT: 9.39 min Scan# 2368
 Delta R.T. 0.00 min
 Lab File: VN059992.D
 Acq: 4 Feb 2020 14:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0204WBSD01

Tot Ion: 83 Resp: 57350
 Ion Ratio Lower Upper
 83 100
 85 65.8 51.1 76.7
 127 9.1 6.6 9.8

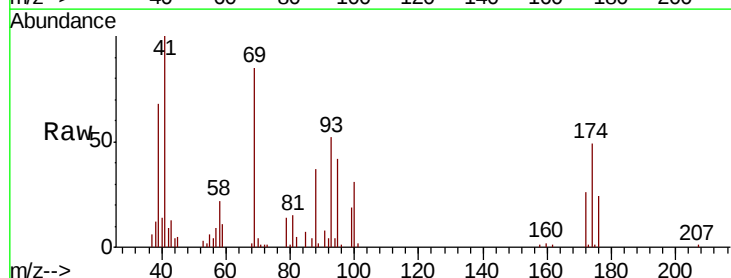


Abundance Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 126.80 (126.50 to 127.50): VN0

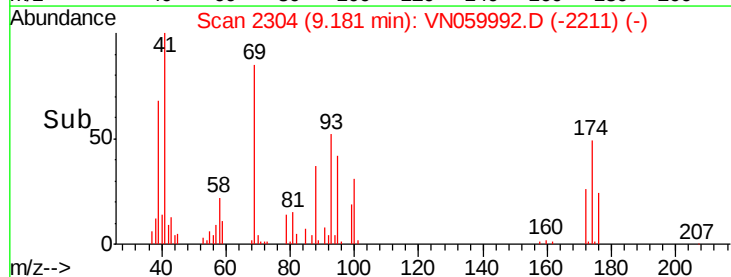
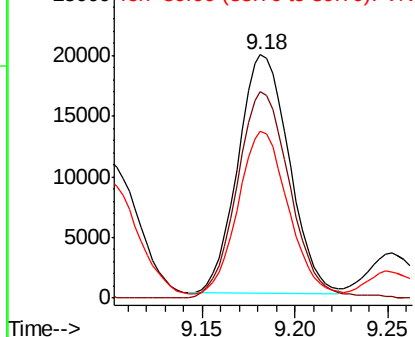


#48
 Methyl methacrylate
 Concen: 20.241 ug/l
 RT: 9.18 min Scan# 2304
 Delta R.T. 0.00 min
 Lab File: VN059992.D
 Acq: 4 Feb 2020 14:25

Tgt Ion: 41 Resp: 37826
 Ion Ratio Lower Upper
 41 100
 69 89.1 64.4 96.6
 39 70.1 51.3 76.9



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

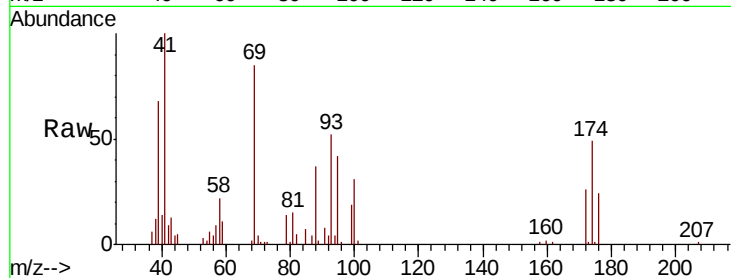




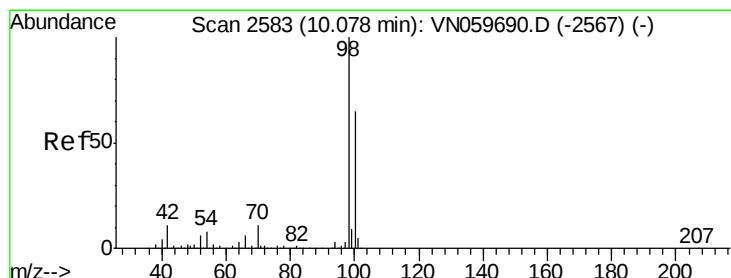
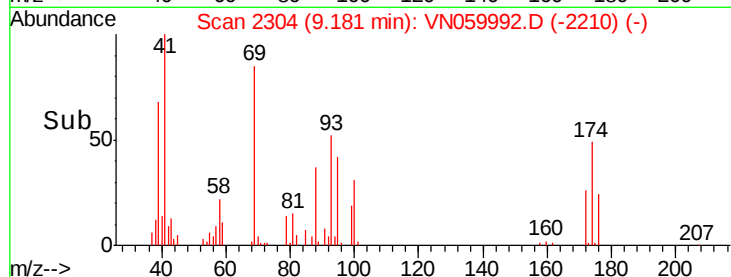
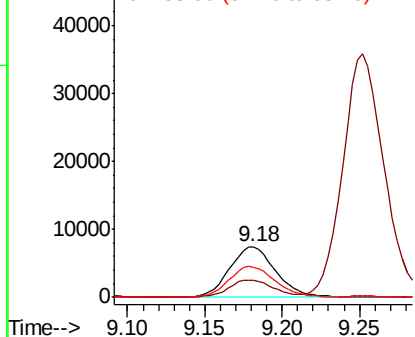
#49
1,4-Dioxane
Concen: 451.987 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN059992.D
Acq: 4 Feb 2020 14:25

Instrument :
MSVOA_N
ClientSampleId :
VN0204WBSD01

Tot Ion: 88 Resp: 15463
Ion Ratio Lower Upper
88 100
43 33.1 29.7 44.5
58 61.2 56.6 85.0

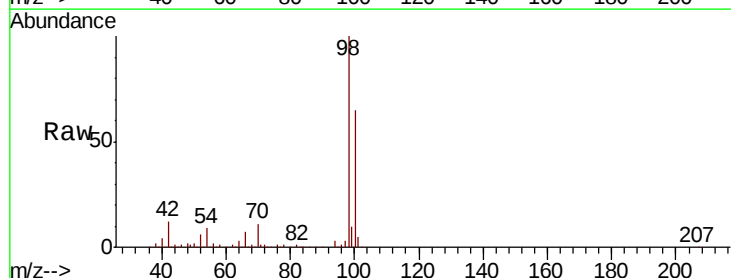


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

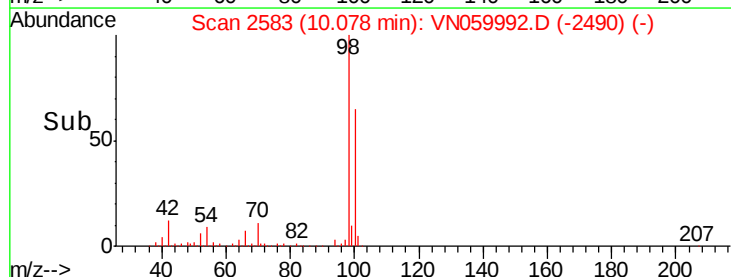
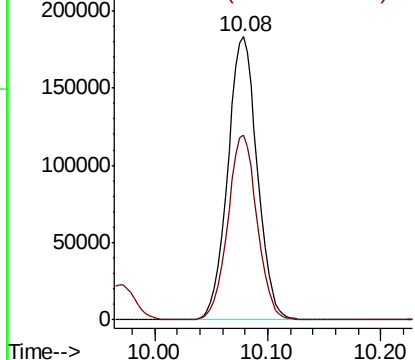


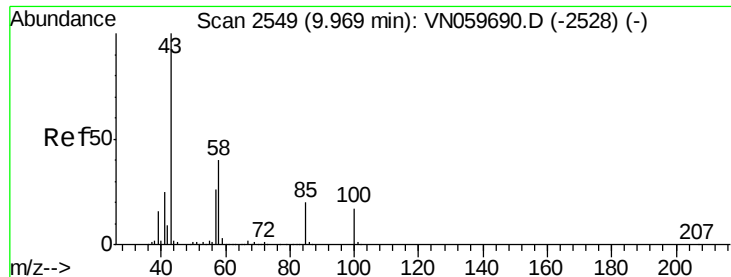
#50
Toluene-d8
Concen: 48.271 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN059992.D
Acq: 4 Feb 2020 14:25

Tgt Ion: 98 Resp: 331688
Ion Ratio Lower Upper
98 100
100 64.8 51.2 76.8



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: 105.885 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN059992.D

Acq: 4 Feb 2020 14:25

Instrument :

MSVOA_N

ClientSampleId :

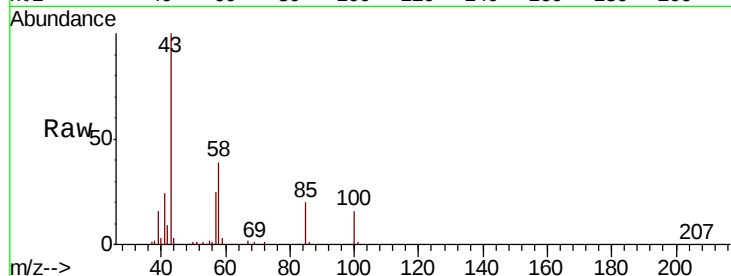
VN0204WBSD01

Tot Ion: 43 Resp: 255731

Ion Ratio Lower Upper

43 100

58 39.6 29.8 44.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

150000

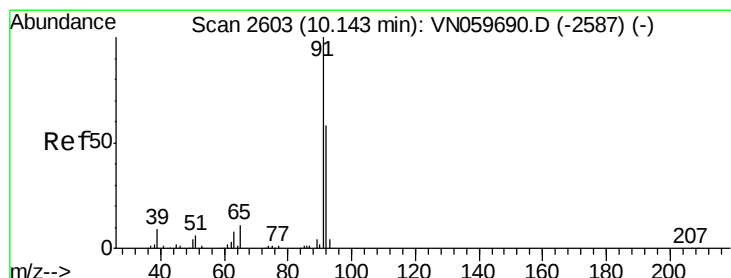
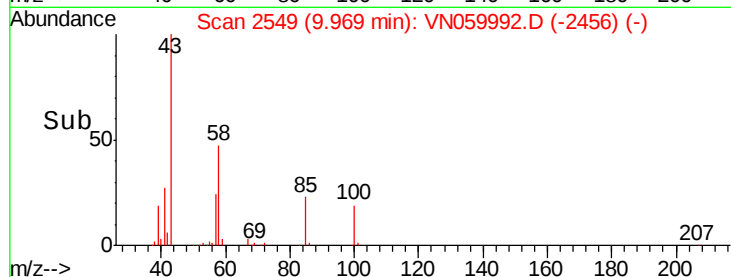
100000

50000

0

9.90 9.97 10.00

Time-->



#52

Toluene

Concen: 19.856 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN059992.D

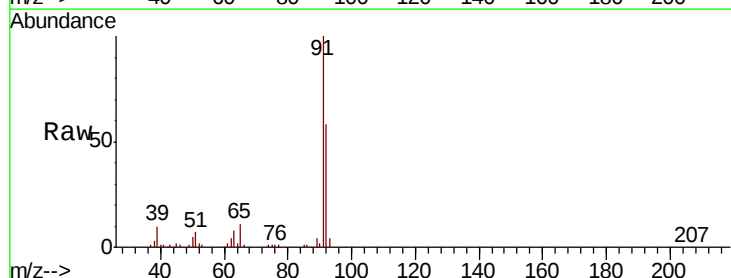
Acq: 4 Feb 2020 14:25

Tgt Ion: 92 Resp: 96873

Ion Ratio Lower Upper

92 100

91 173.6 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

100000

80000

60000

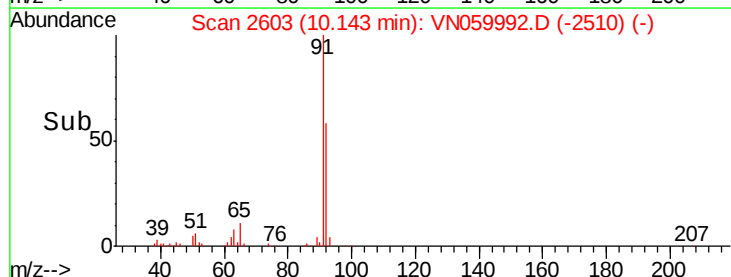
40000

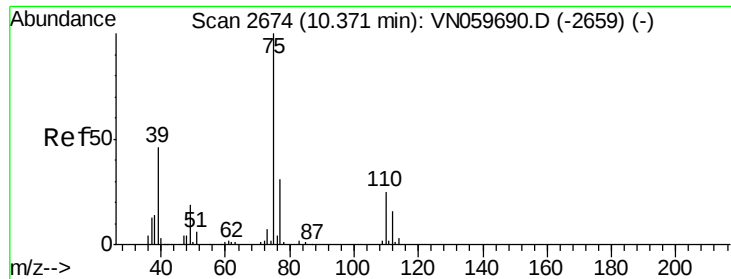
20000

0

10.05 10.10 10.14 10.20

Time-->





#53

t-1,3-Dichloropropene

Concen: 21.176 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. 0.00 min

Lab File: VN059992.D

Acq: 4 Feb 2020 14:25

Instrument :

MSVOA_N

ClientSampleId :

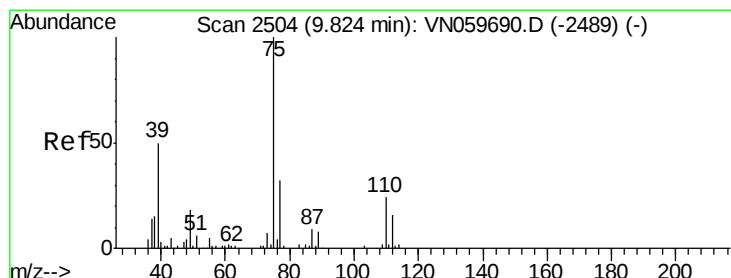
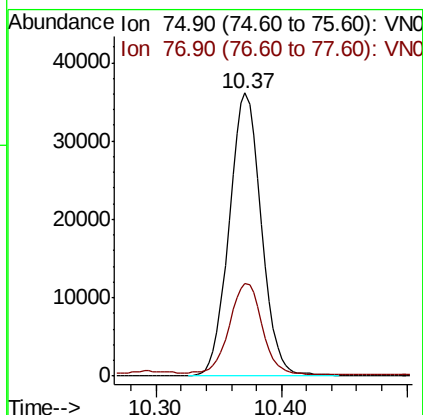
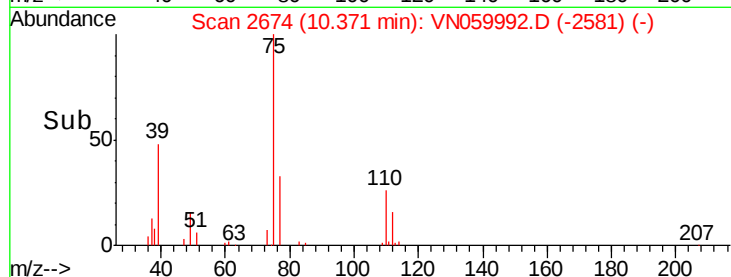
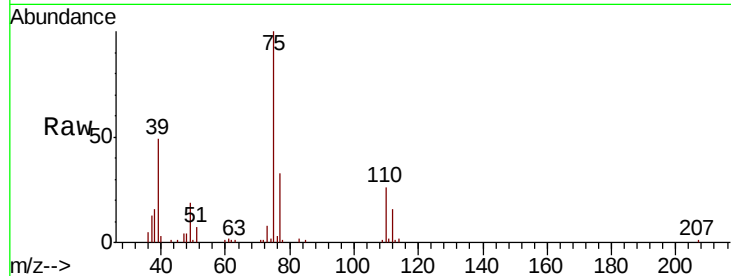
VN0204WBSD01

Tot Ion: 75 Resp: 64240

Ion Ratio Lower Upper

75 100

77 32.0 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 20.728 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN059992.D

Acq: 4 Feb 2020 14:25

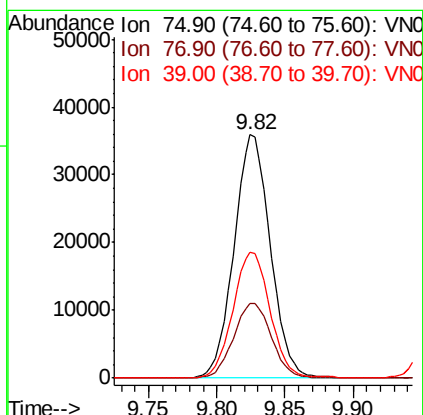
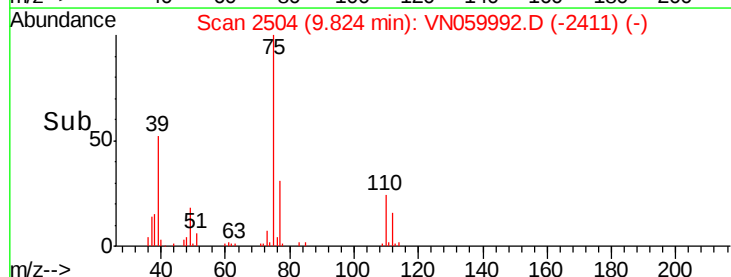
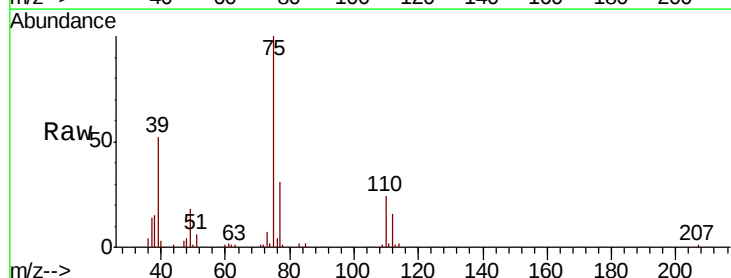
Tgt Ion: 75 Resp: 66161

Ion Ratio Lower Upper

75 100

77 30.6 25.1 37.7

39 51.7 46.1 69.1

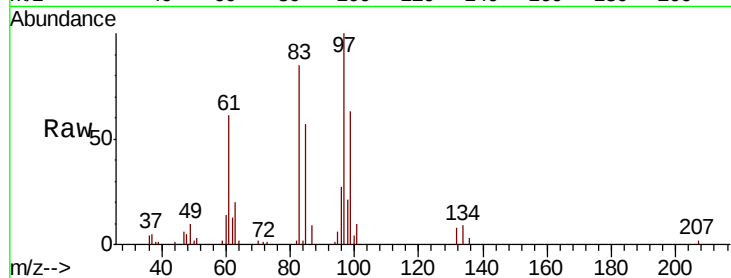




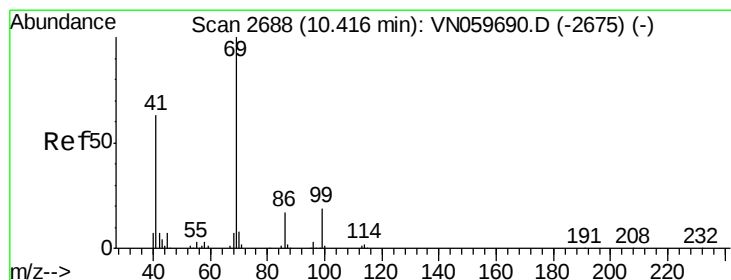
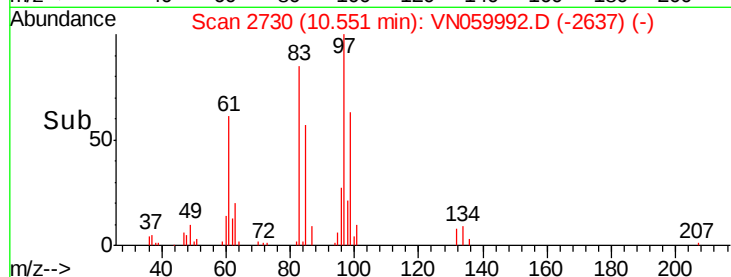
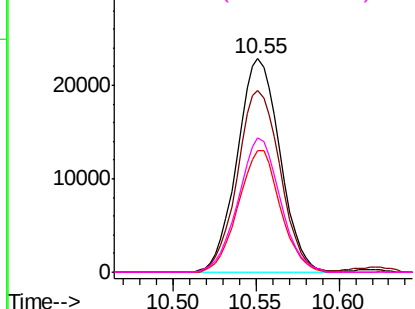
#55
 1,1,2-Trichloroethane
 Concen: 21.261 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN059992.D
 Acq: 4 Feb 2020 14:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0204WBSD01

Tot Ion: 97 Resp: 41082
 Ion Ratio Lower Upper
 97 100
 83 85.3 71.3 106.9
 85 57.0 45.8 68.8
 99 62.8 50.0 75.0

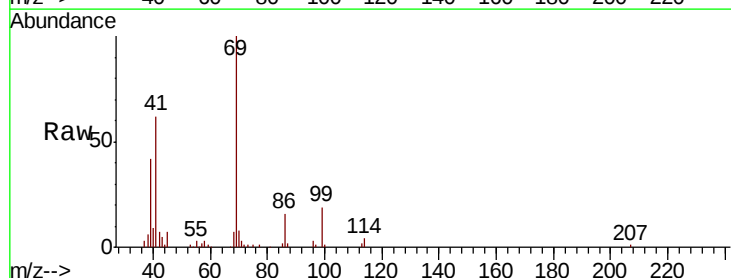


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

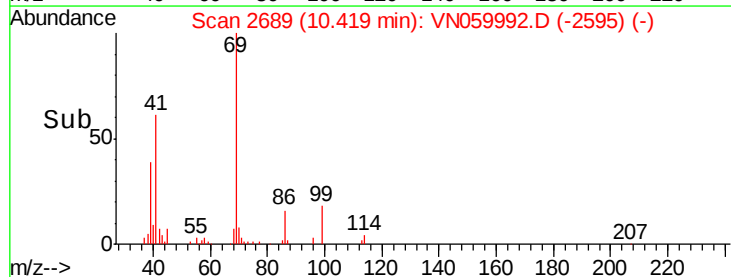
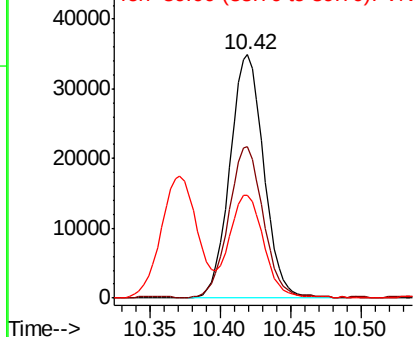


#56
 Ethyl methacrylate
 Concen: 19.901 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. 0.00 min
 Lab File: VN059992.D
 Acq: 4 Feb 2020 14:25

Tgt Ion: 69 Resp: 58758
 Ion Ratio Lower Upper
 69 100
 41 64.0 57.1 85.7
 39 43.1 34.7 52.1



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





#57

1,3-Dichloropropane

Concen: 21.804 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. 0.00 min

Lab File: VN059992.D

Acq: 4 Feb 2020 14:25

Instrument :

MSVOA_N

ClientSampleId :

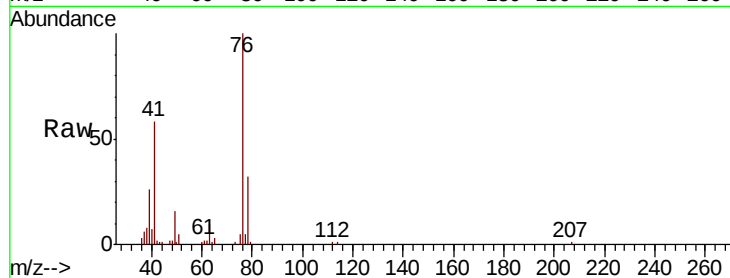
VN0204WBSD01

Tot Ion: 76 Resp: 66886

Ion Ratio Lower Upper

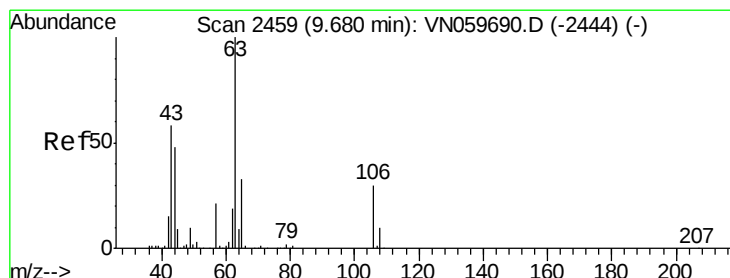
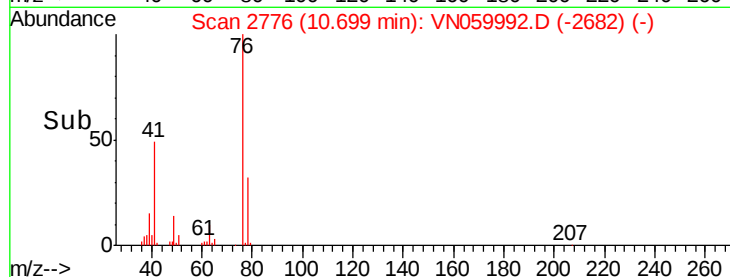
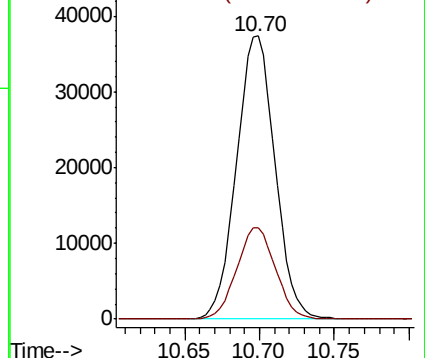
76 100

78 32.5 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 109.260 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN059992.D

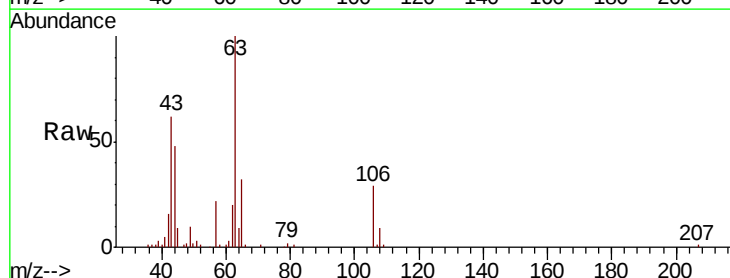
Acq: 4 Feb 2020 14:25

Tgt Ion: 63 Resp: 97164

Ion Ratio Lower Upper

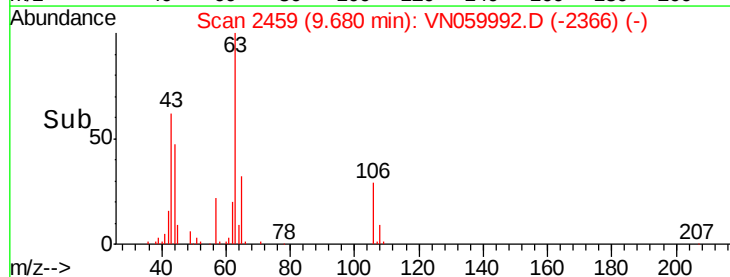
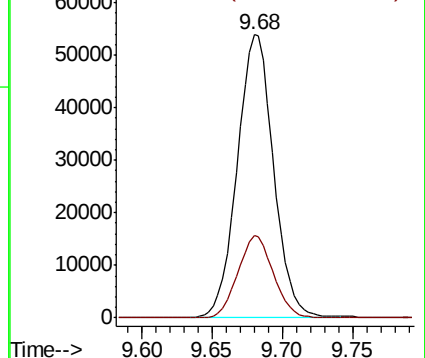
63 100

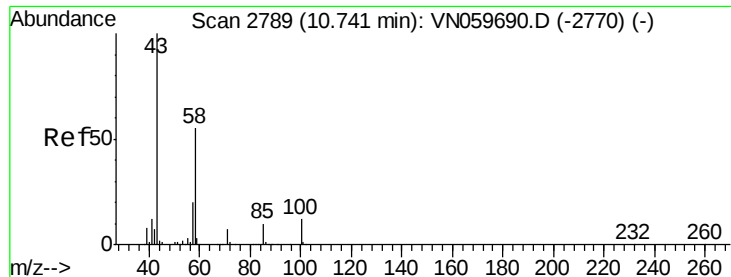
106 28.4 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

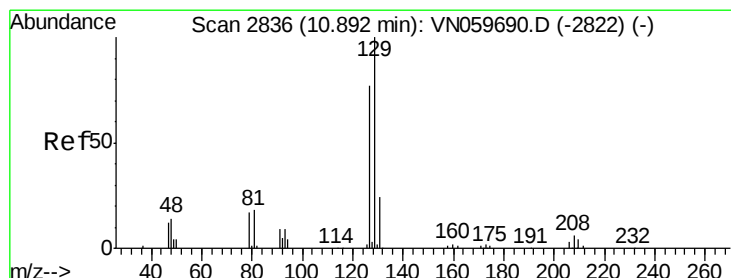
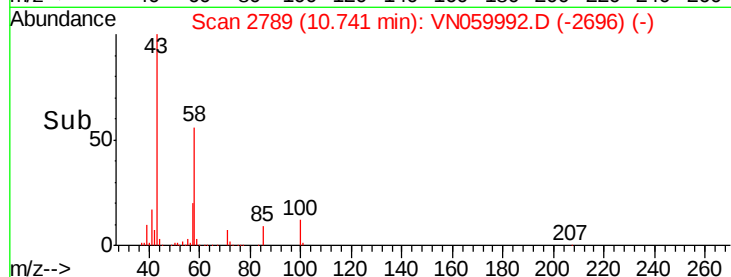
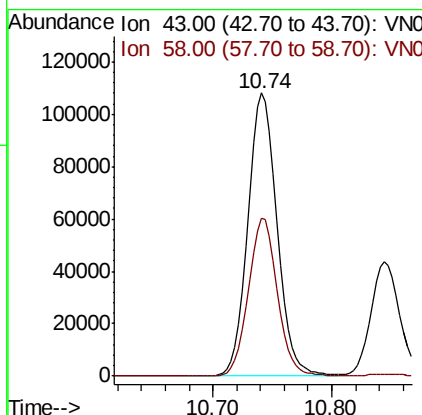
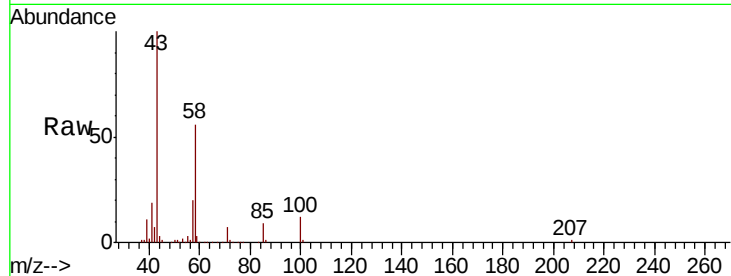




#59
2-Hexanone
Concen: 103.585 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN059992.D
Acq: 4 Feb 2020 14:25

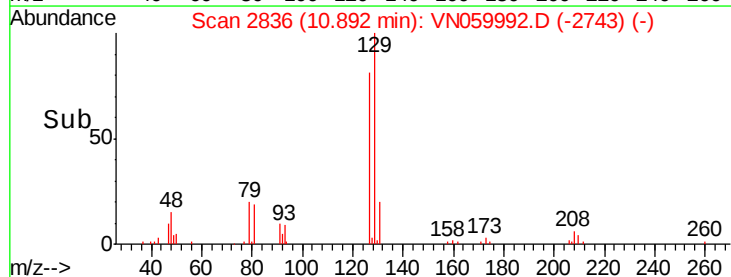
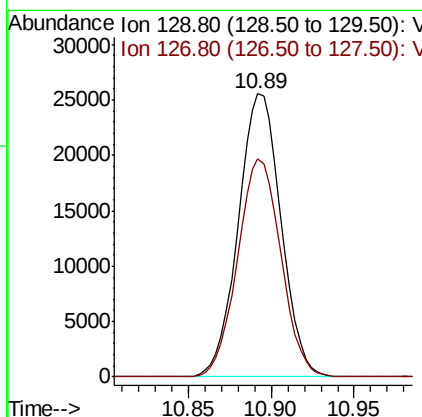
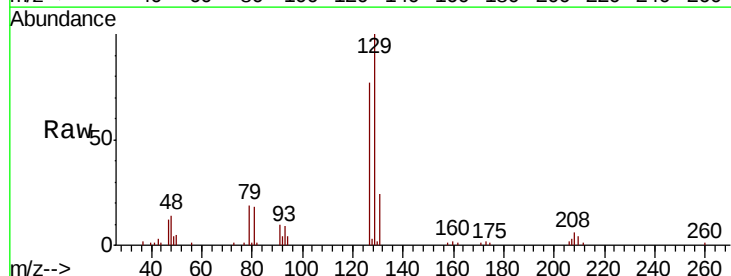
Instrument :
MSVOA_N
ClientSampleId :
VN0204WBSD01

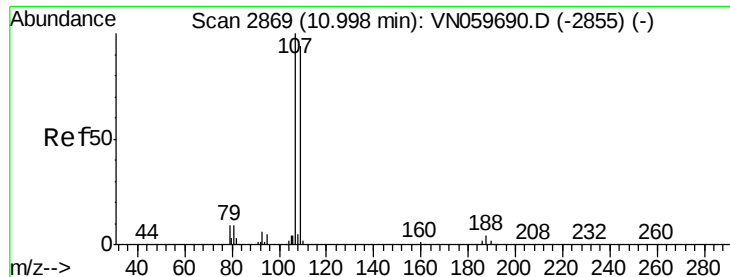
Tot Ion: 43 Resp: 184305
Ion Ratio Lower Upper
43 100
58 55.2 25.8 77.3



#60
Dibromochloromethane
Concen: 20.852 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN059992.D
Acq: 4 Feb 2020 14:25

Tgt Ion: 129 Resp: 45881
Ion Ratio Lower Upper
129 100
127 77.9 38.5 115.5

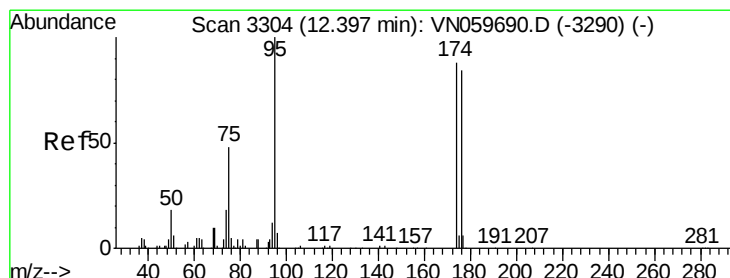
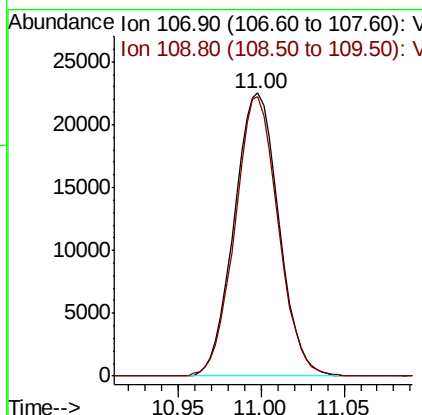
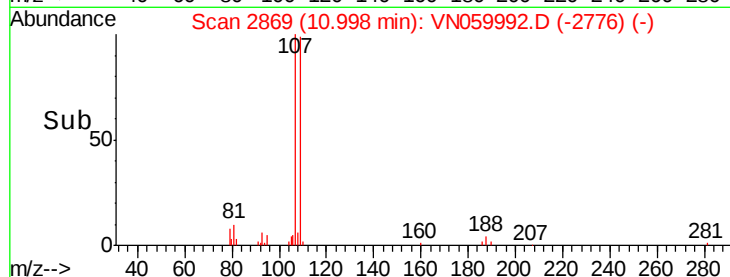
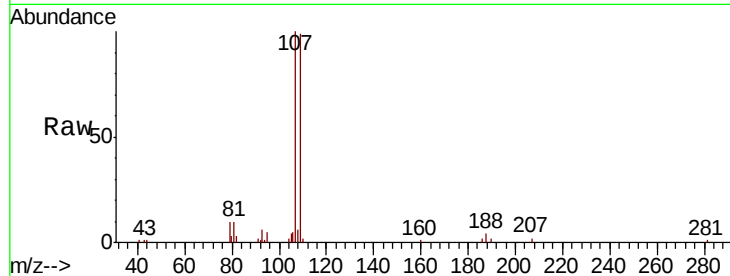




#61
 1,2-Dibromoethane
 Concen: 20.777 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. 0.00 min
 Lab File: VN059992.D
 Acq: 4 Feb 2020 14:25

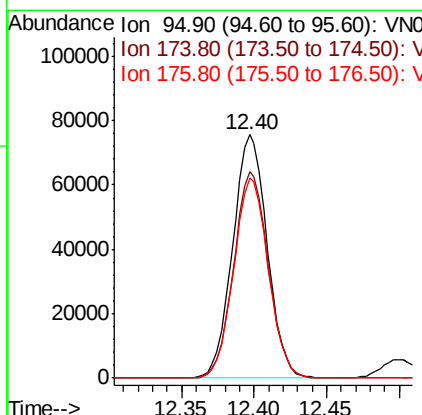
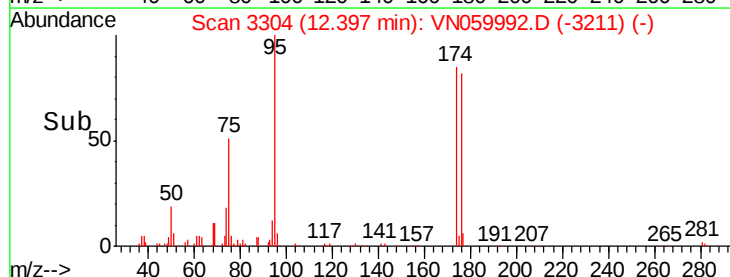
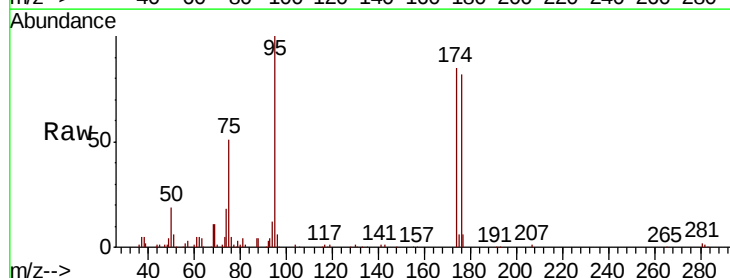
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0204WBSD01

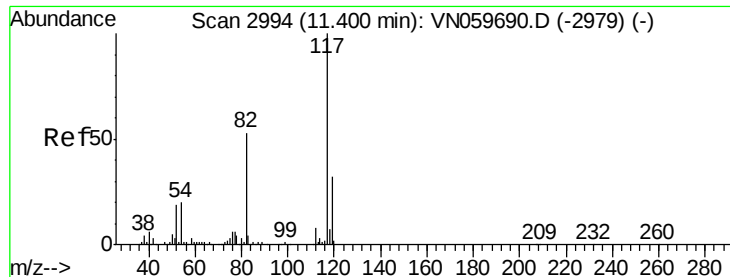
Tot Ion:107 Resp: 42077
 Ion Ratio Lower Upper
 107 100
 109 95.8 76.6 115.0



#62
 4-Bromofluorobenzene
 Concen: 50.201 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN059992.D
 Acq: 4 Feb 2020 14:25

Tgt Ion: 95 Resp: 124355
 Ion Ratio Lower Upper
 95 100
 174 85.2 0.0 151.4
 176 82.6 0.0 146.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. 0.00 min

Lab File: VN059992.D

Acq: 4 Feb 2020 14:25

Instrument :

MSVOA_N

ClientSampleId :

VN0204WBSD01

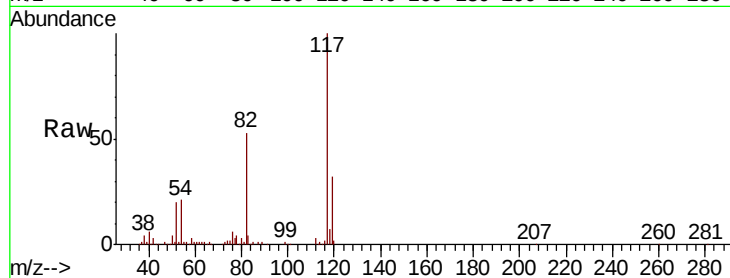
Tot Ion:117 Resp: 272721

Ion Ratio Lower Upper

117 100

82 53.1 45.9 68.9

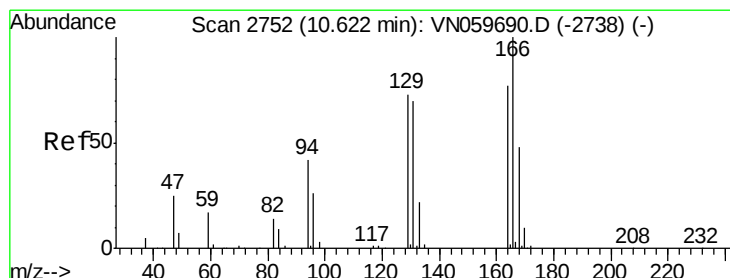
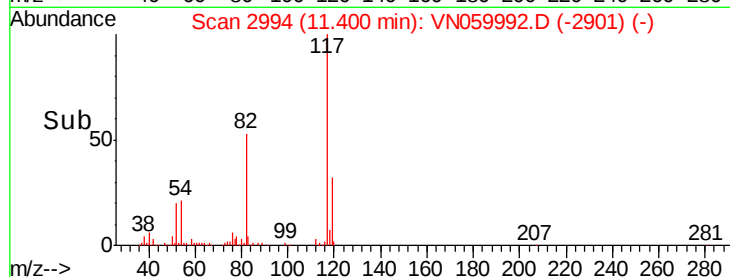
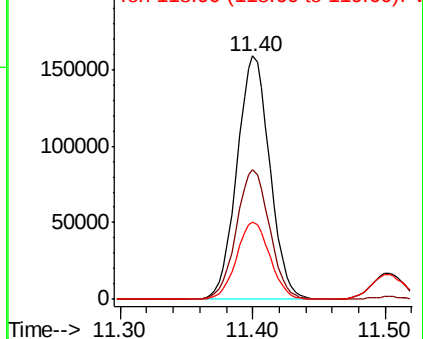
119 31.9 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 19.321 ug/l

RT: 10.62 min Scan# 2752

Delta R.T. 0.00 min

Lab File: VN059992.D

Acq: 4 Feb 2020 14:25

Tgt Ion:164 Resp: 42944

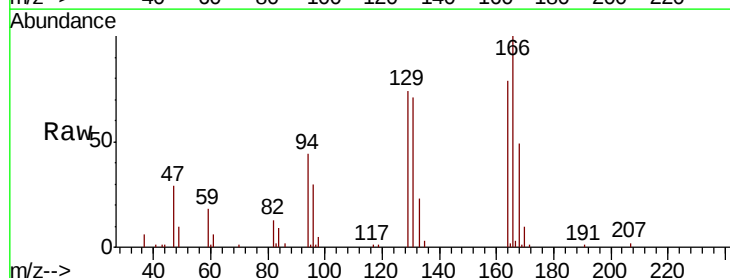
Ion Ratio Lower Upper

164 100

166 125.9 101.4 152.0

129 93.4 80.2 120.4

131 89.5 75.0 112.4

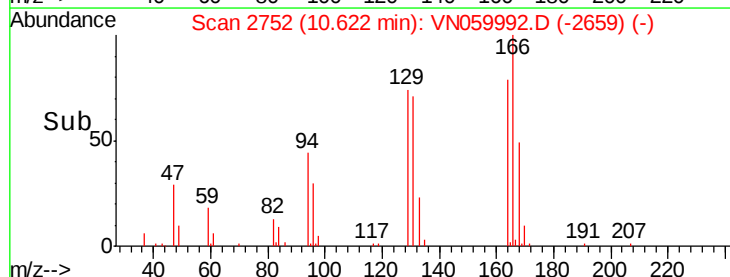
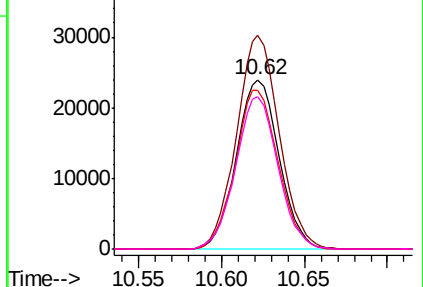


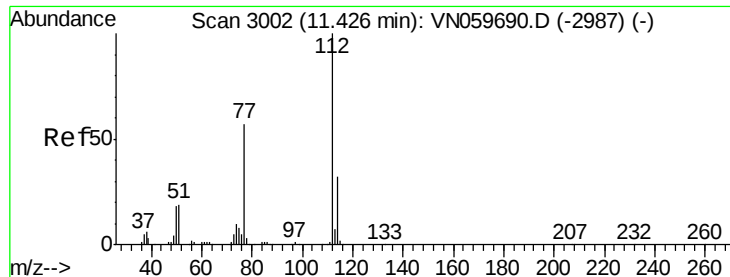
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 19.930 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. 0.00 min

Lab File: VN059992.D

Acq: 4 Feb 2020 14:25

Instrument :

MSVOA_N

ClientSampleId :

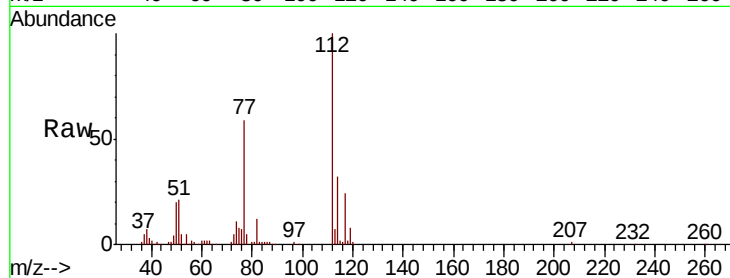
VN0204WBSD01

Tot Ion:112 Resp: 106835

Ion Ratio Lower Upper

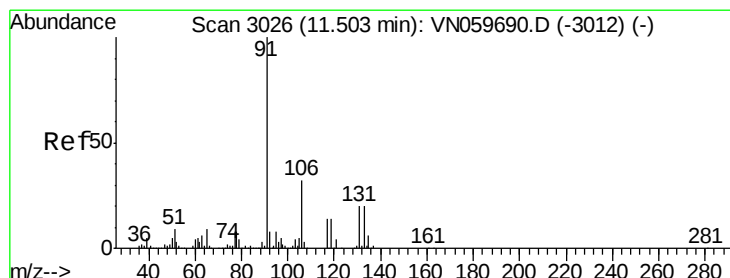
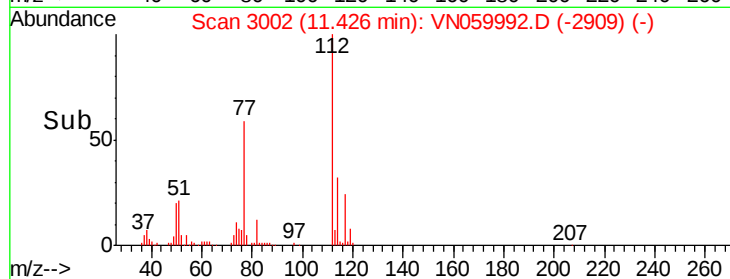
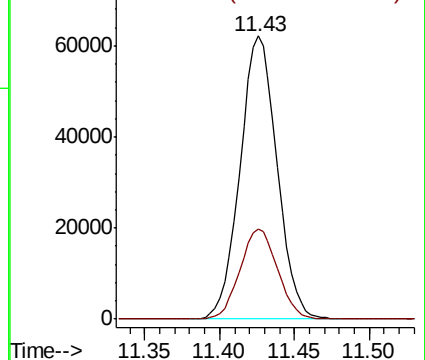
112 100

114 32.0 25.8 38.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.428 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN059992.D

Acq: 4 Feb 2020 14:25

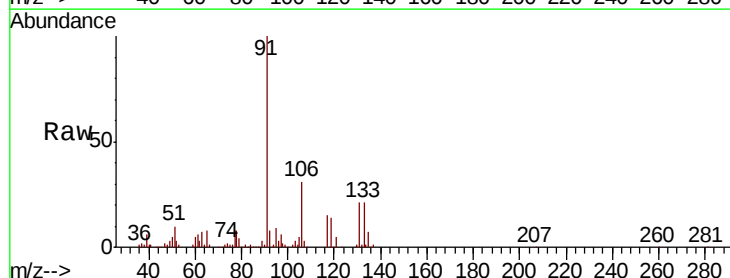
Tgt Ion:131 Resp: 42312

Ion Ratio Lower Upper

131 100

133 98.3 47.4 142.2

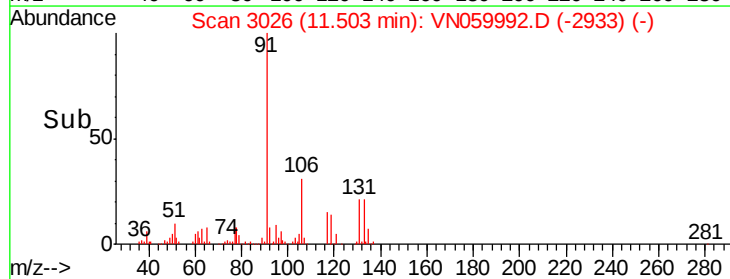
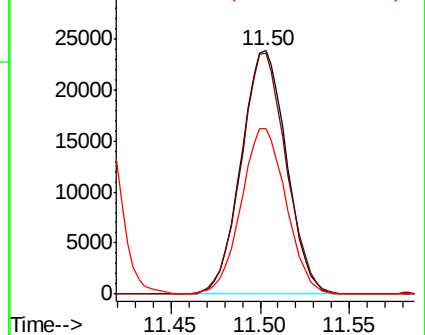
119 67.6 33.1 99.3



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

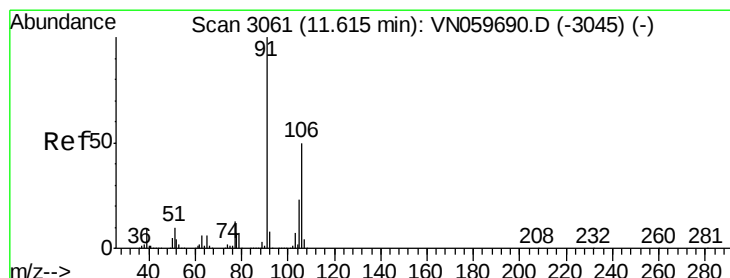
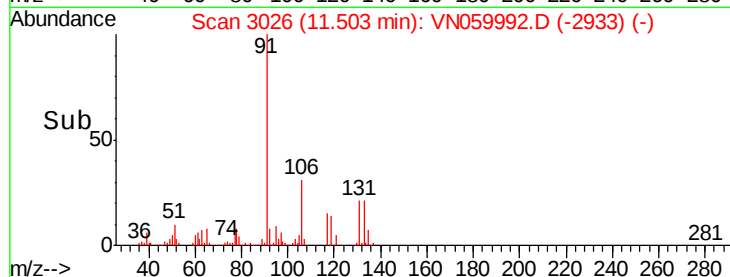
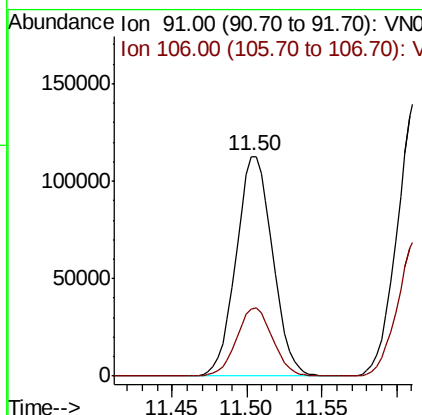
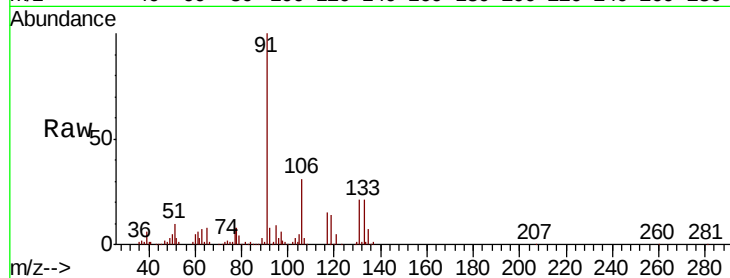




#67
Ethyl Benzene
Concen: 19.676 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN059992.D
Acq: 4 Feb 2020 14:25

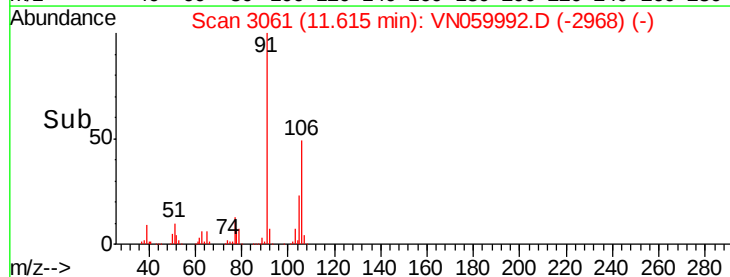
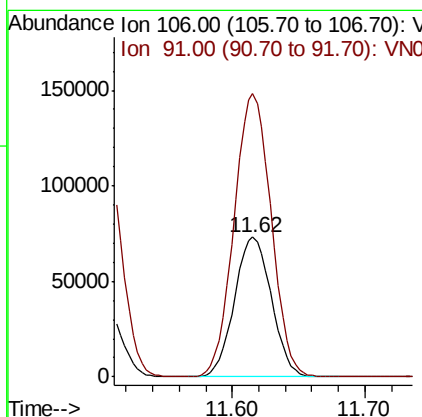
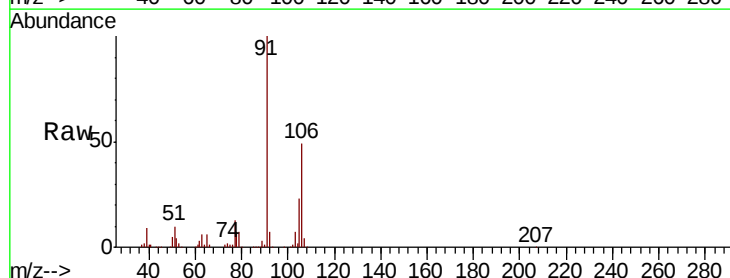
Instrument :
MSVOA_N
ClientSampleId :
VN0204WBSD01

Tot Ion: 91 Resp: 191462
Ion Ratio Lower Upper
91 100
106 30.8 24.1 36.1



#68
m/p-Xylenes
Concen: 38.491 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. 0.00 min
Lab File: VN059992.D
Acq: 4 Feb 2020 14:25

Tgt Ion: 106 Resp: 141484
Ion Ratio Lower Upper
106 100
91 202.8 167.9 251.9

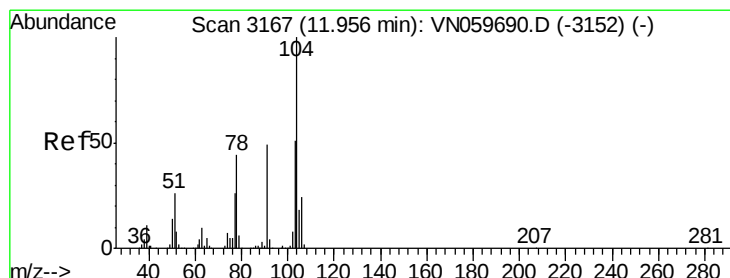
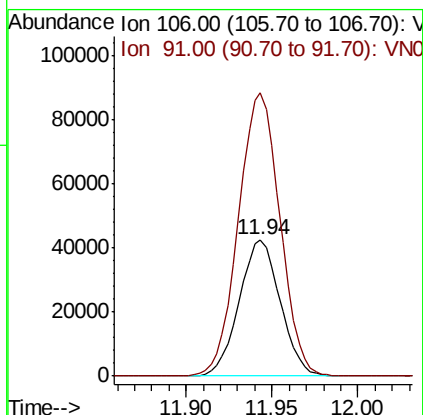
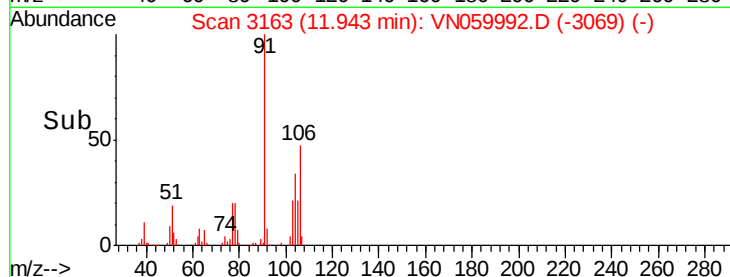
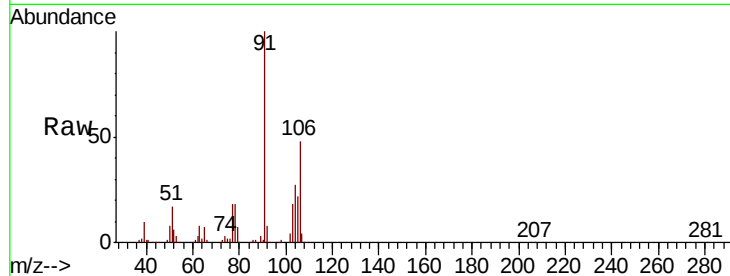




#69
o-Xylene
Concen: 19.530 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN059992.D
Acq: 4 Feb 2020 14:25

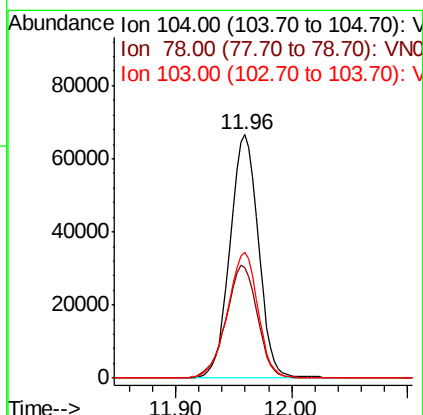
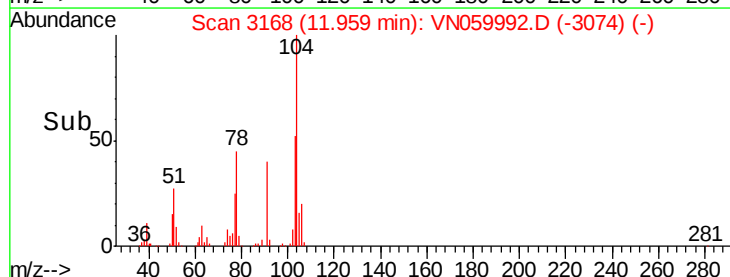
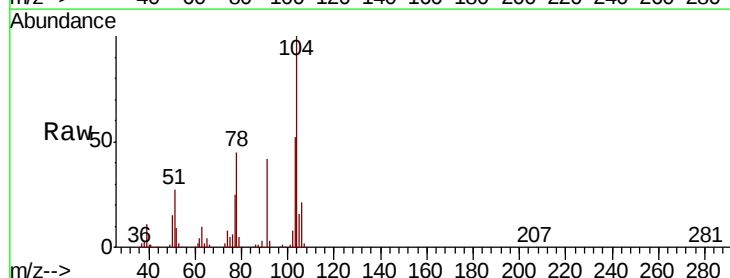
Instrument :
MSVOA_N
ClientSampleId :
VN0204WBSD01

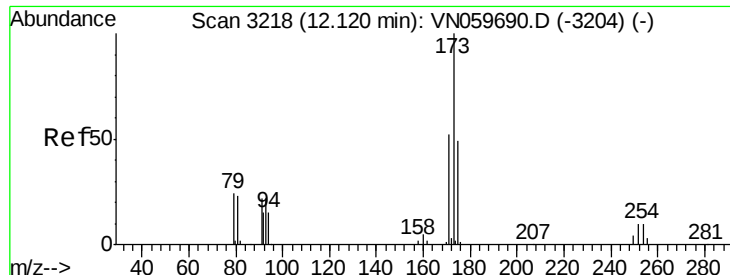
Tot Ion:106 Resp: 70280
Ion Ratio Lower Upper
106 100
91 211.1 110.3 330.9



#70
Styrene
Concen: 18.736 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN059992.D
Acq: 4 Feb 2020 14:25

Tgt Ion:104 Resp: 112822
Ion Ratio Lower Upper
104 100
78 50.7 42.4 63.6
103 55.3 43.9 65.9

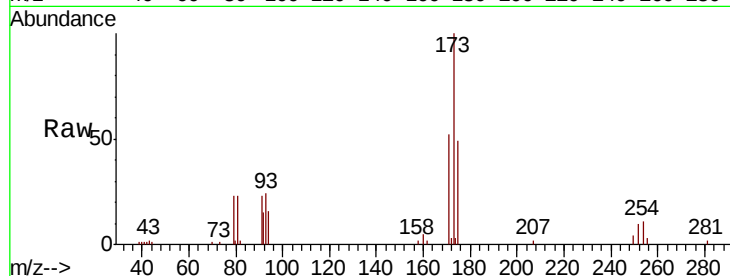




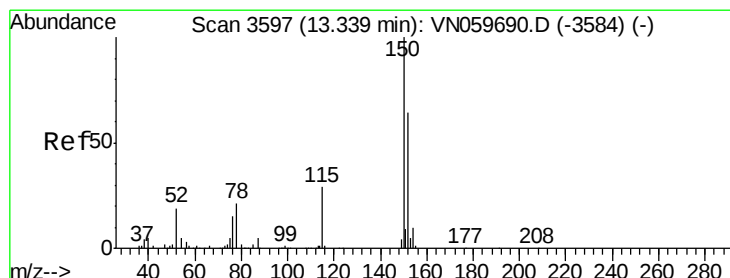
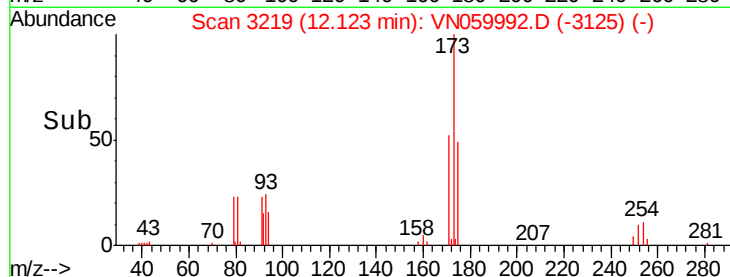
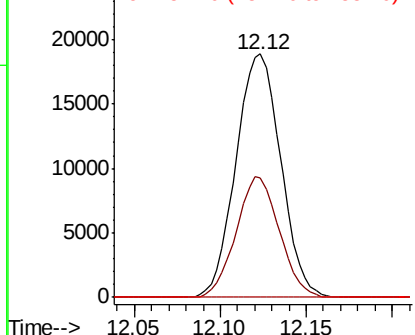
#71
Bromoform
Concen: 20.560 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. 0.00 min
Lab File: VN059992.D
Acq: 4 Feb 2020 14:25

Instrument :
MSVOA_N
ClientSampleId :
VN0204WBSD01

Tot Ion:173 Resp: 34111
Ion Ratio Lower Upper
173 100
175 47.6 23.8 71.4
254 0.0 0.0 0.0

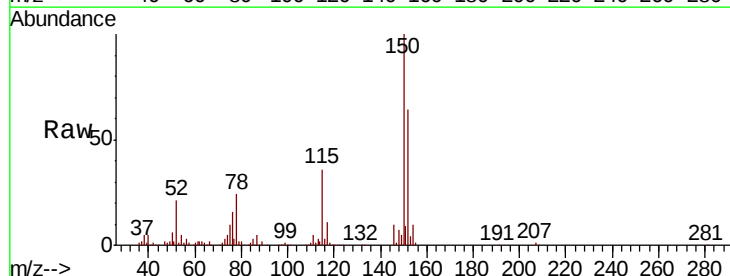


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

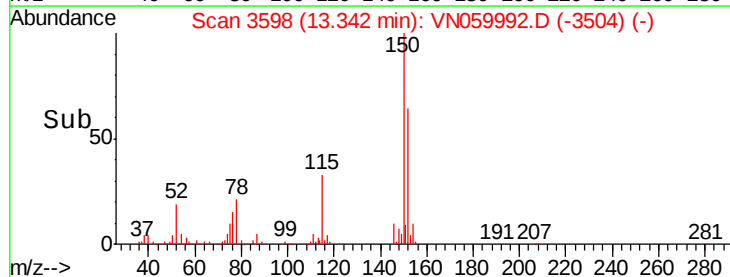
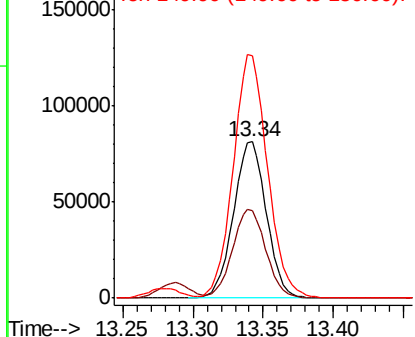


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN059992.D
Acq: 4 Feb 2020 14:25

Tgt Ion:152 Resp: 132581
Ion Ratio Lower Upper
152 100
115 57.6 30.3 90.9
150 163.2 0.0 345.2



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





#73

Isopropylbenzene

Concen: 19.089 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN059992.D

Acq: 4 Feb 2020 14:25

Instrument :

MSVOA_N

ClientSampleId :

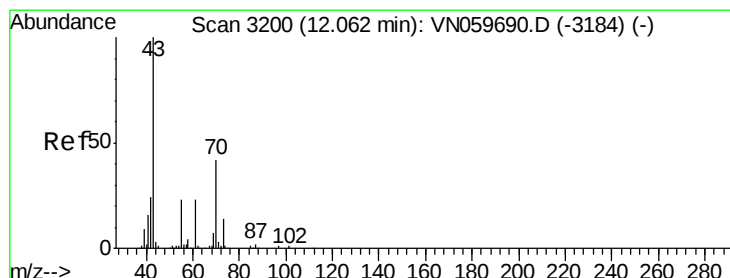
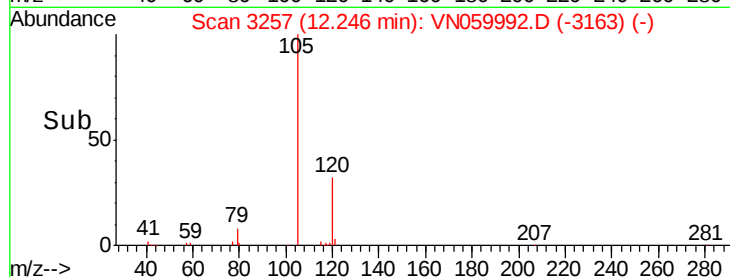
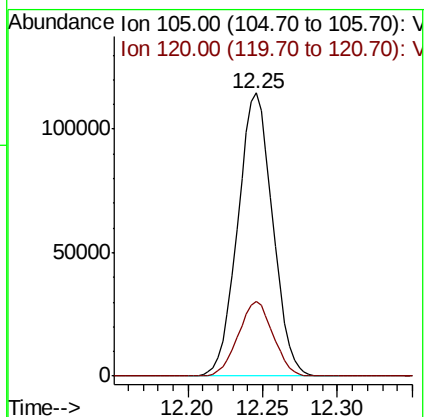
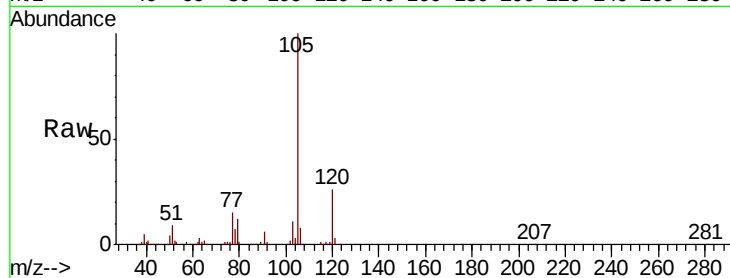
VN0204WBSD01

Tot Ion:105 Resp: 185609

Ion Ratio Lower Upper

105 100

120 26.5 13.2 39.5



#74

N-ethyl acetate

Concen: 19.045 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN059992.D

Acq: 4 Feb 2020 14:25

Tgt Ion: 43 Resp: 71855

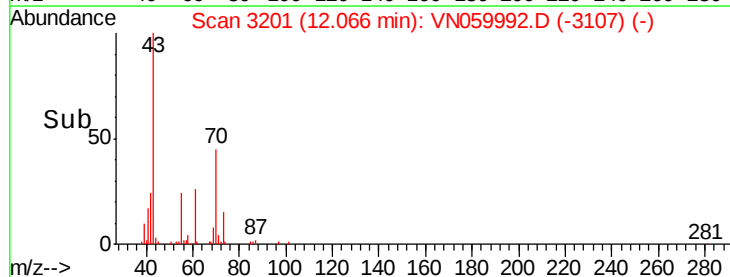
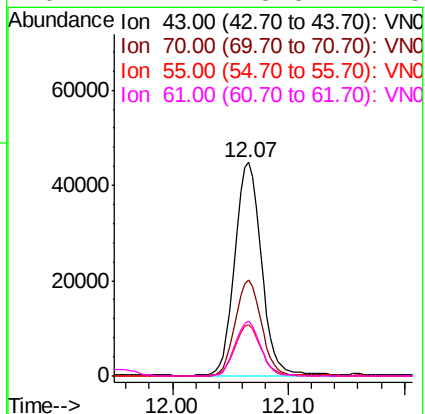
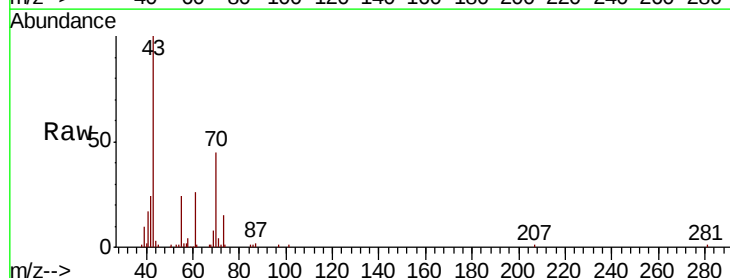
Ion Ratio Lower Upper

43 100

70 44.0 31.3 46.9

55 23.5 19.8 29.6

61 24.4 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 20.321 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN059992.D

Acq: 4 Feb 2020 14:25

Instrument :

MSVOA_N

ClientSampleId :

VN0204WBSD01

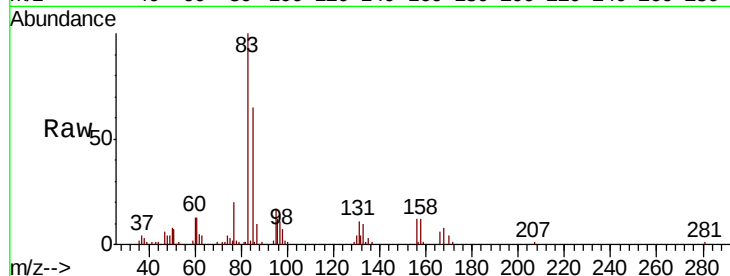
Tot Ion: 83 Resp: 57281

Ion Ratio Lower Upper

83 100

131 11.0 5.0 14.9

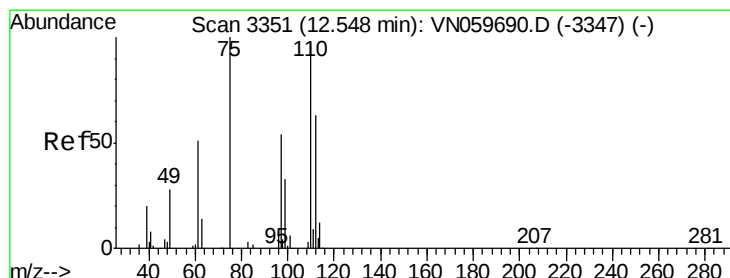
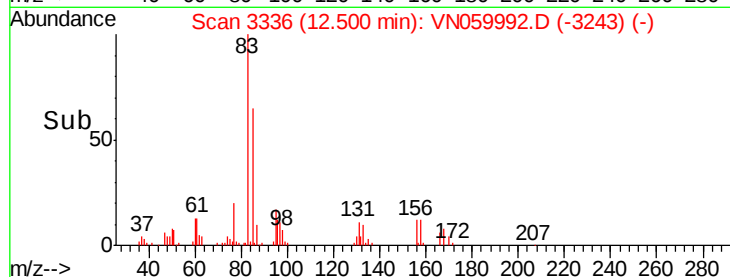
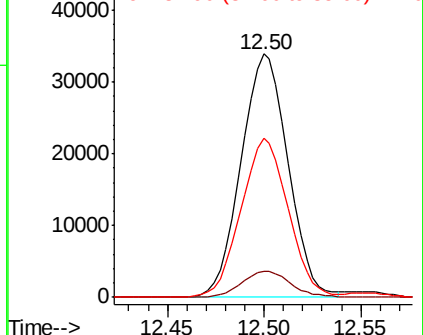
85 65.6 31.9 95.5



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 34.890 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN059992.D

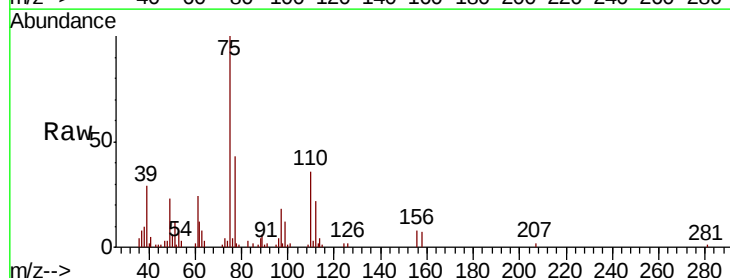
Acq: 4 Feb 2020 14:25

Tgt Ion: 75 Resp: 77846

Ion Ratio Lower Upper

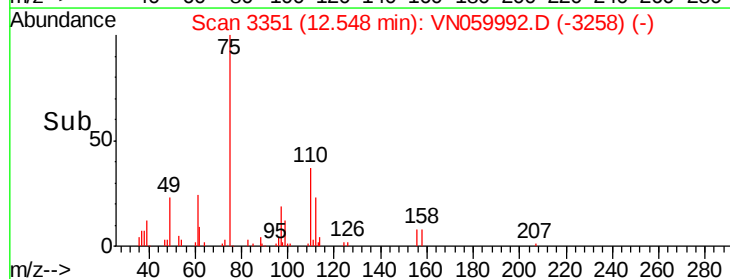
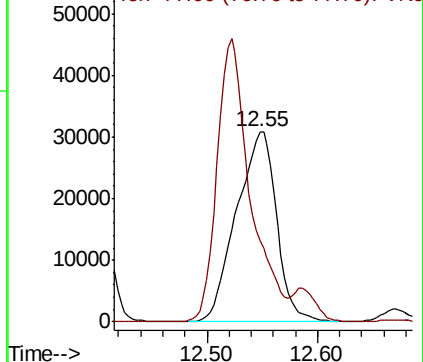
75 100

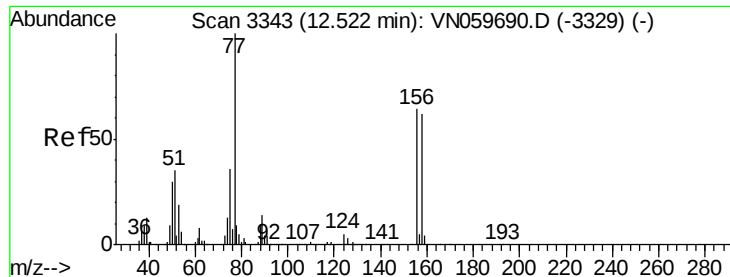
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 19.842 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN059992.D

Acq: 4 Feb 2020 14:25

Instrument :

MSVOA_N

ClientSampleId :

VN0204WBSD01

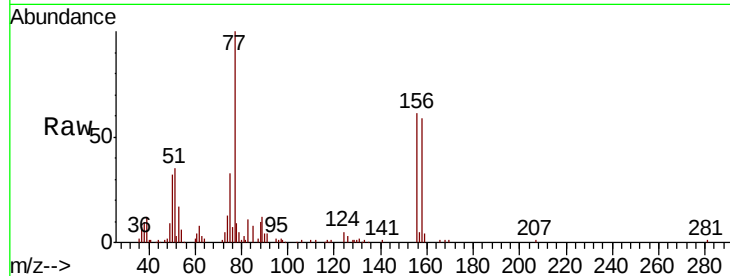
Tot Ion:156 Resp: 48859

Ion Ratio Lower Upper

156 100

77 195.9 115.8 347.4

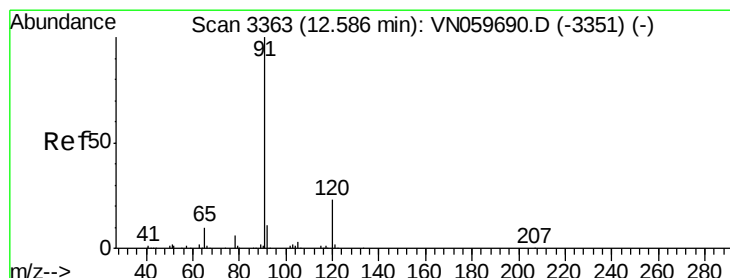
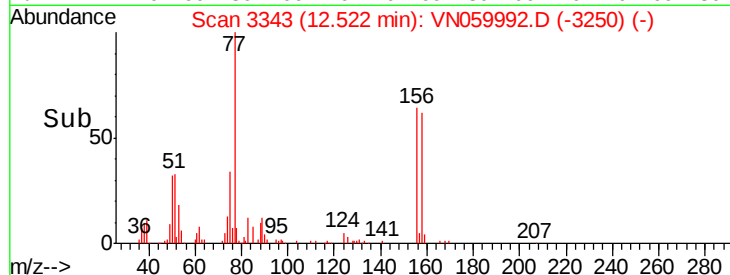
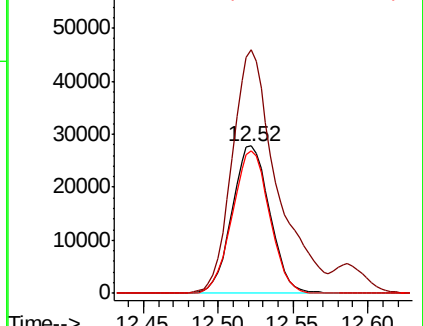
158 95.4 49.2 147.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.492 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN059992.D

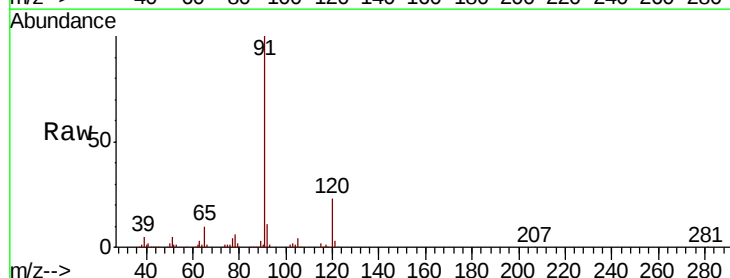
Acq: 4 Feb 2020 14:25

Tgt Ion: 91 Resp: 212729

Ion Ratio Lower Upper

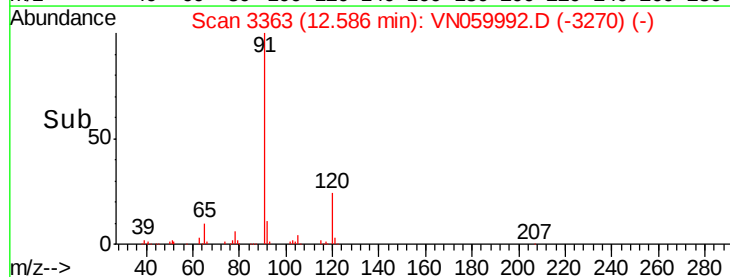
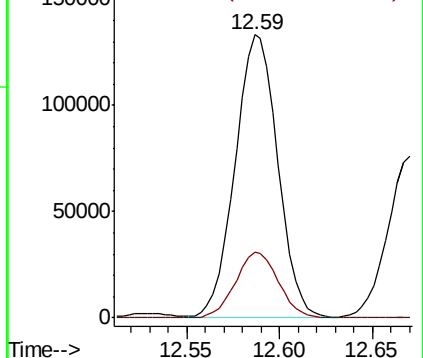
91 100

120 23.4 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.555 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN059992.D

Acq: 4 Feb 2020 14:25

Instrument :

MSVOA_N

ClientSampleId :

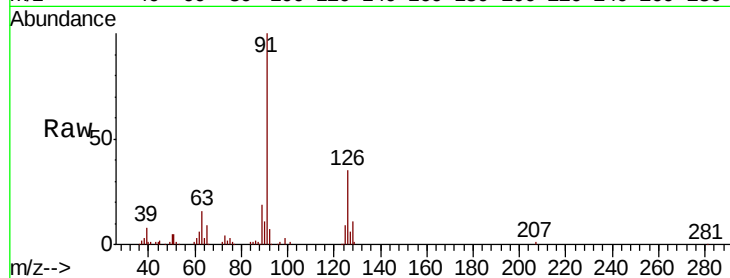
VN0204WBSD01

Tot Ion: 91 Resp: 126963

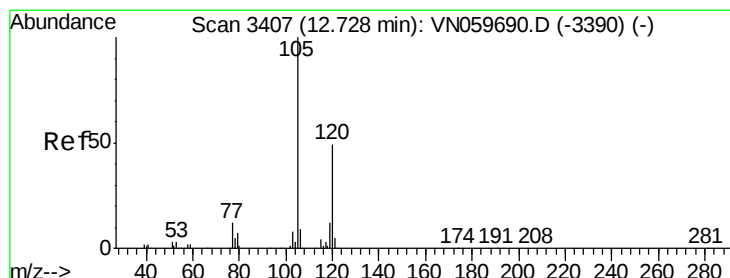
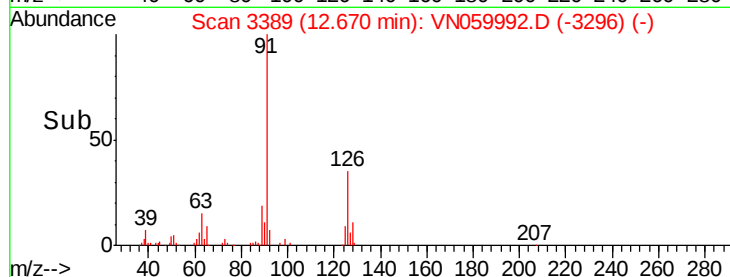
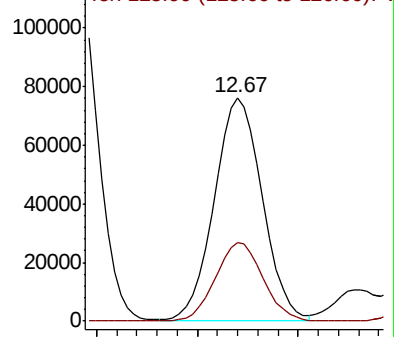
Ion Ratio Lower Upper

91 100

126 34.9 16.3 48.9



Abundance Ion 91.00 (90.70 to 91.70): VN059992.D (-3376) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.341 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN059992.D

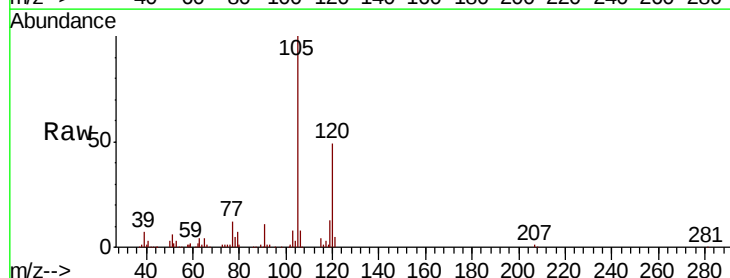
Acq: 4 Feb 2020 14:25

Tgt Ion: 105 Resp: 158161

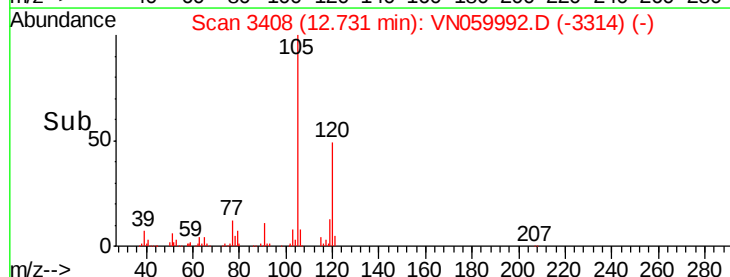
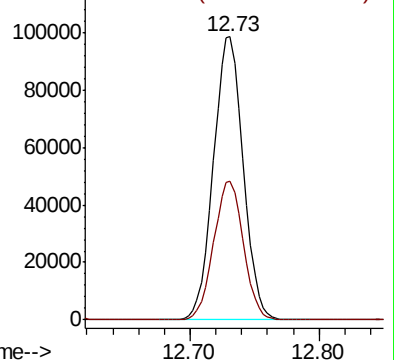
Ion Ratio Lower Upper

105 100

120 48.9 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN059992.D (-3390) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.954 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VN059992.D

Acq: 4 Feb 2020 14:25

Instrument :

MSVOA_N

ClientSampleId :

VN0204WBSD01

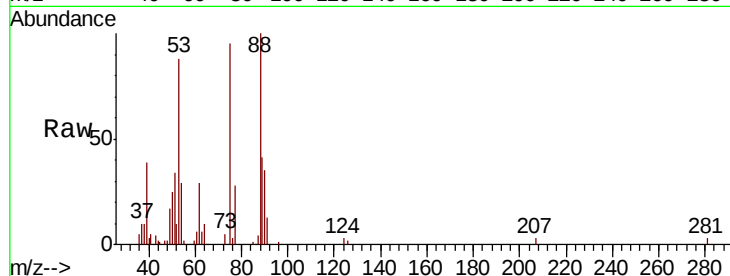
Tot Ion: 75 Resp: 20732

Ion Ratio Lower Upper

75 100

53 94.3 78.1 117.1

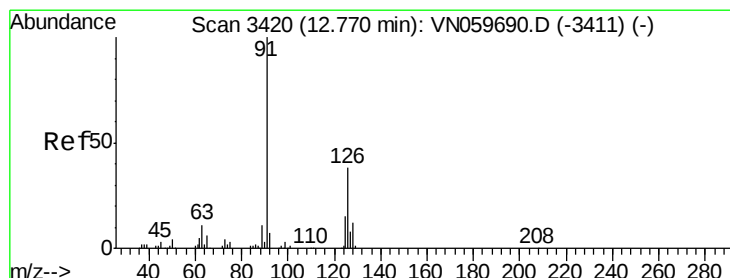
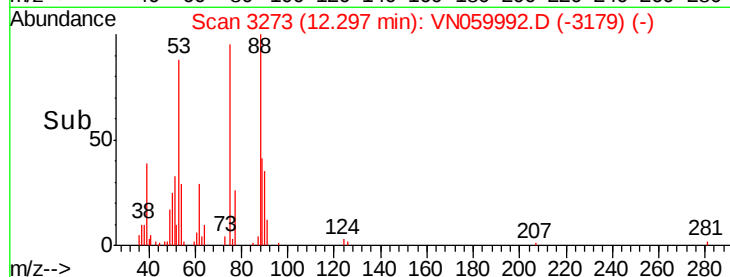
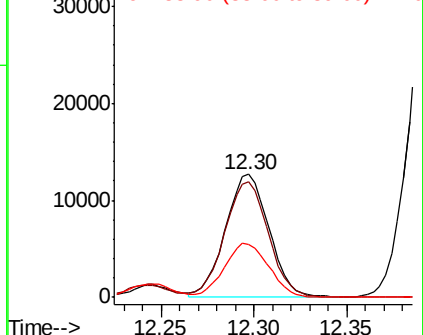
89 44.5 35.4 53.2



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



#82

4-Chlorotoluene

Concen: 20.012 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN059992.D

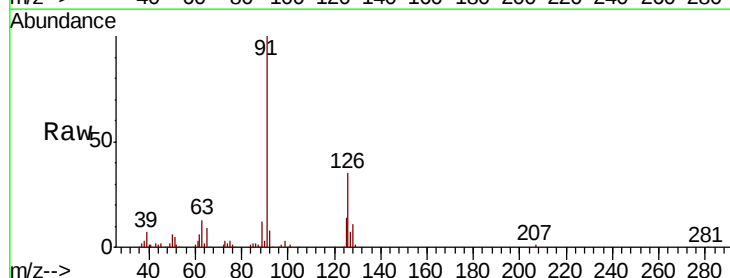
Acq: 4 Feb 2020 14:25

Tgt Ion: 91 Resp: 130316

Ion Ratio Lower Upper

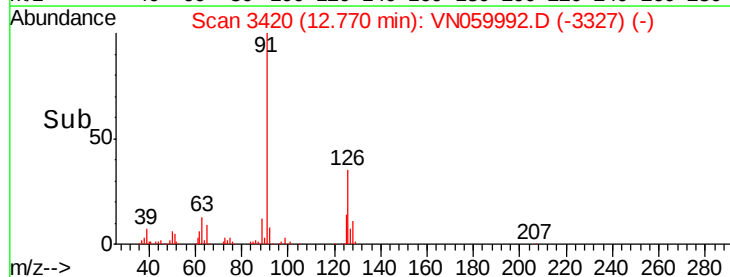
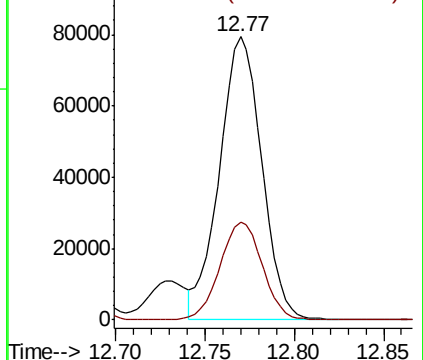
91 100

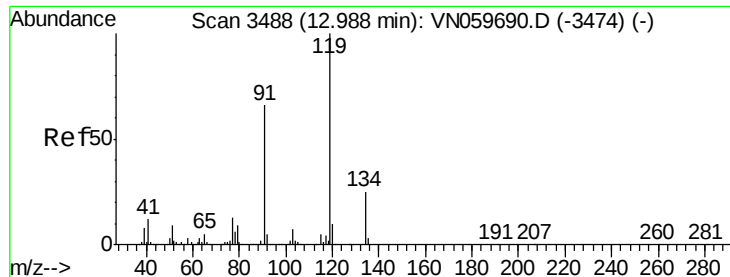
126 34.7 16.3 48.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

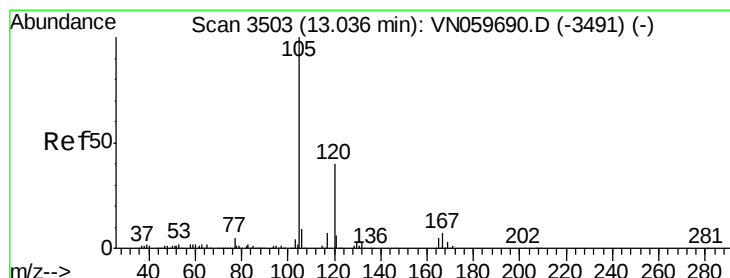
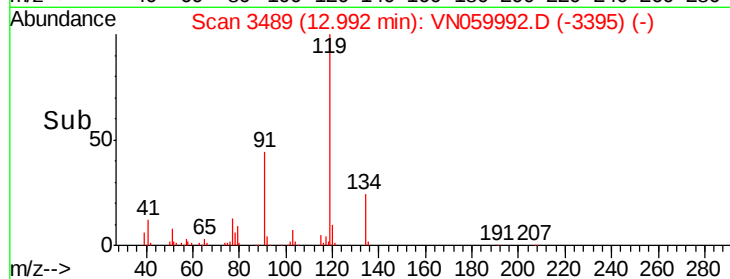
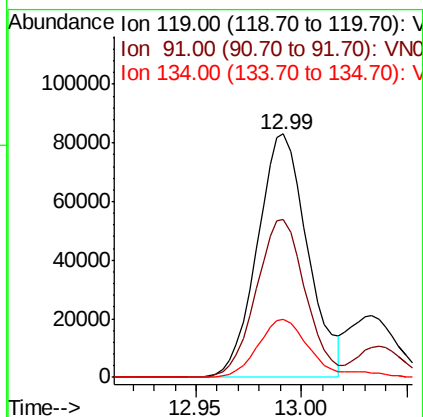
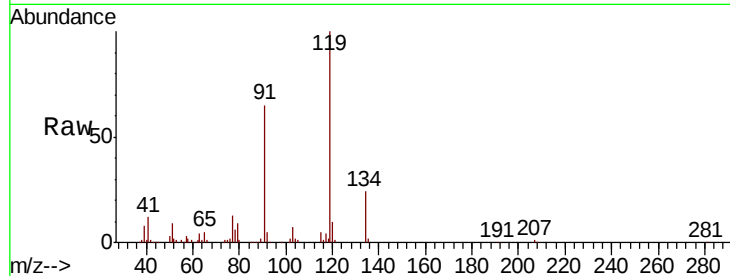




#83
 tert-Butylbenzene
 Concen: 19.476 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN059992.D
 Acq: 4 Feb 2020 14:25

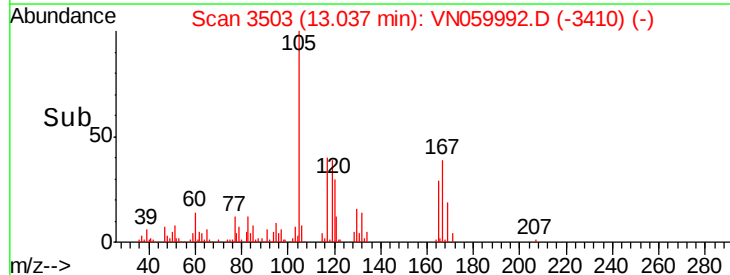
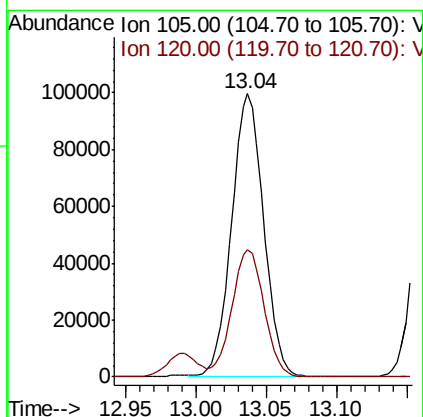
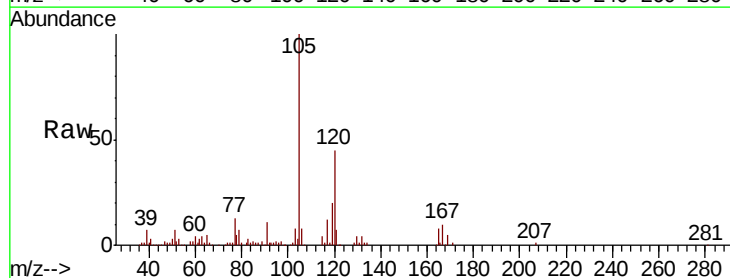
Instrument :
 MSVOA_N
 ClientSampleID :
 VN0204WBSD01

Tot Ion:119 Resp: 137741
 Ion Ratio Lower Upper
 119 100
 91 64.2 34.8 104.4
 134 25.2 12.3 36.9



#84
 1,2,4-Trimethylbenzene
 Concen: 19.596 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN059992.D
 Acq: 4 Feb 2020 14:25

Tgt Ion:105 Resp: 158530
 Ion Ratio Lower Upper
 105 100
 120 45.2 22.3 66.9





#85

sec-Butylbenzene

Concen: 19.422 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN059992.D

Acq: 4 Feb 2020 14:25

Instrument :

MSVOA_N

ClientSampleId :

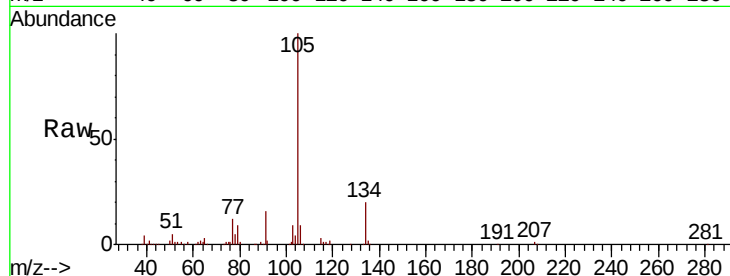
VN0204WBSD01

Tot Ion:105 Resp: 180467

Ion Ratio Lower Upper

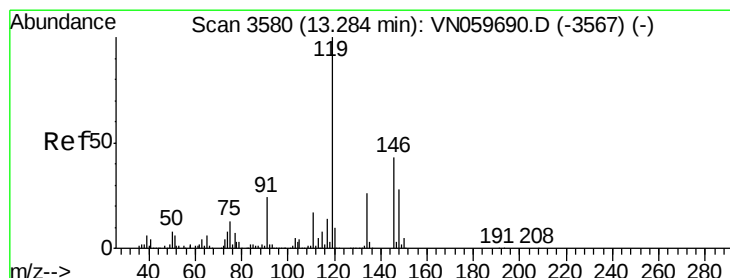
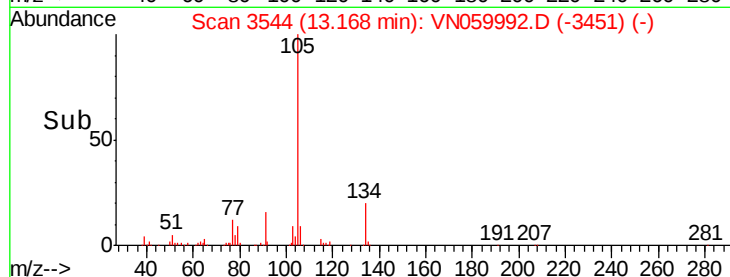
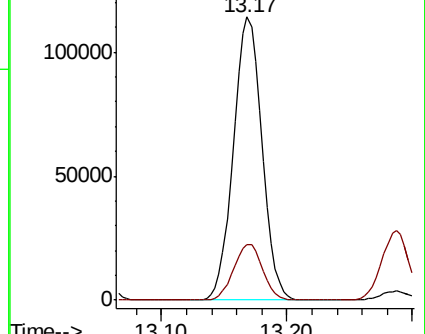
105 100

134 20.1 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.237 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN059992.D

Acq: 4 Feb 2020 14:25

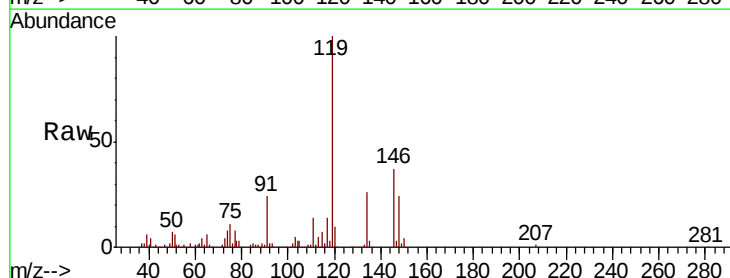
Tgt Ion:119 Resp: 165397

Ion Ratio Lower Upper

119 100

134 25.9 12.9 38.7

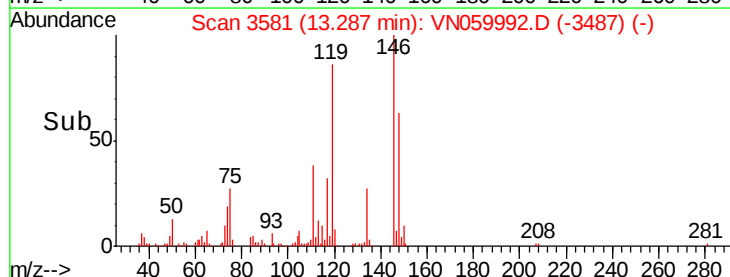
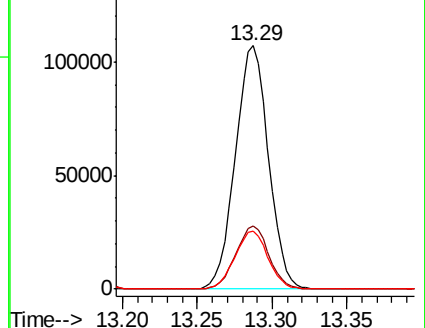
91 23.8 12.4 37.4



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): V





#87

1,3-Dichlorobenzene

Concen: 19.913 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN059992.D

Acq: 4 Feb 2020 14:25

Instrument :

MSVOA_N

ClientSampleId :

VN0204WBSD01

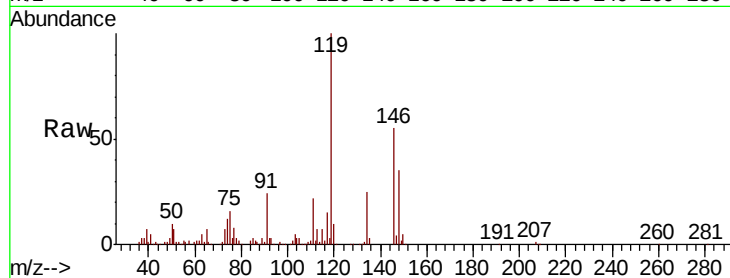
Tot Ion:146 Resp: 85171

Ion Ratio Lower Upper

146 100

111 39.1 20.8 62.2

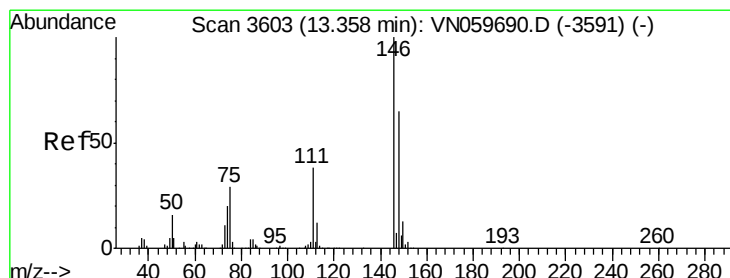
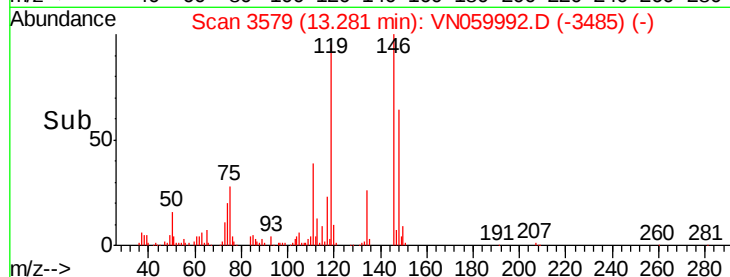
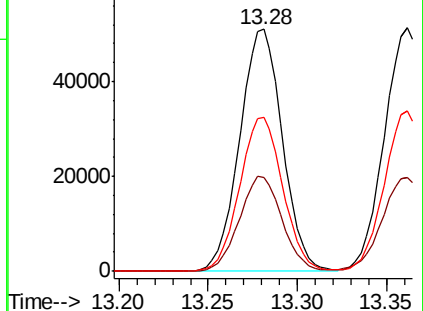
148 64.2 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 19.988 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. 0.00 min

Lab File: VN059992.D

Acq: 4 Feb 2020 14:25

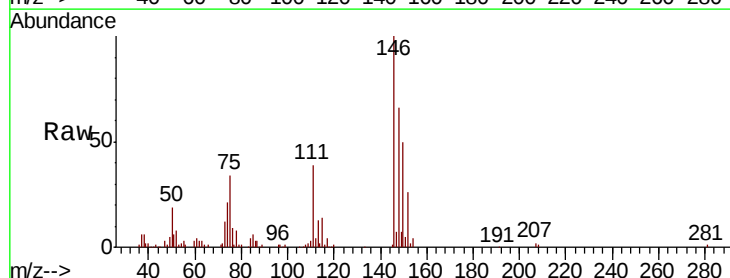
Tgt Ion:146 Resp: 85286

Ion Ratio Lower Upper

146 100

111 40.2 20.8 62.2

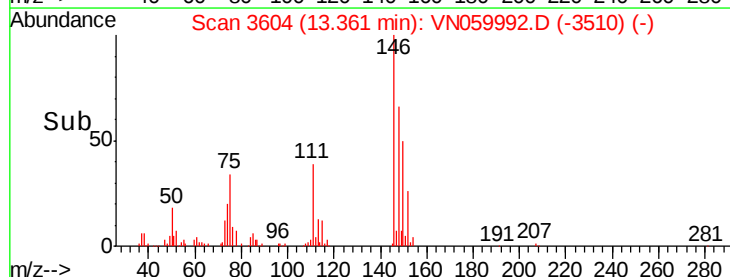
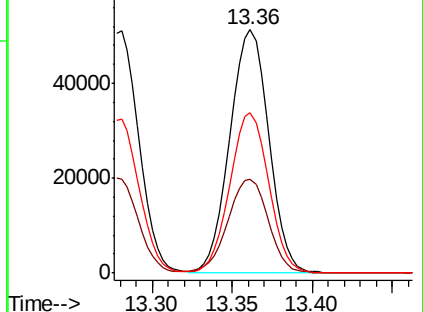
148 65.8 31.8 95.4



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 19.560 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN059992.D

Acq: 4 Feb 2020 14:25

Instrument :

MSVOA_N

ClientSampleId :

VN0204WBSD01

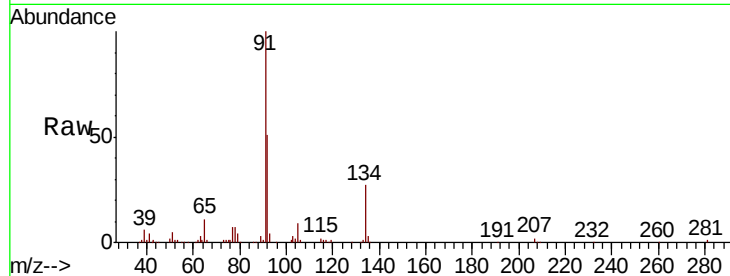
Tot Ion: 91 Resp: 143394

Ion Ratio Lower Upper

91 100

92 51.1 25.9 77.7

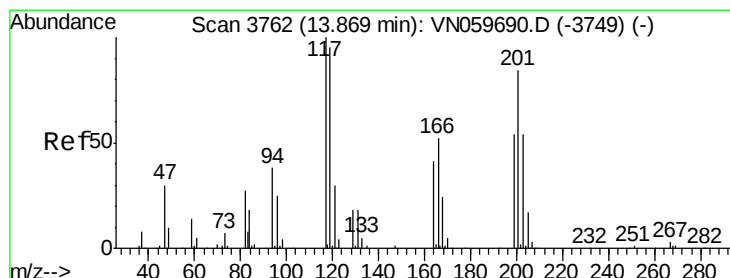
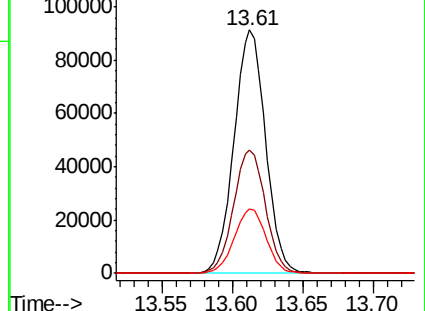
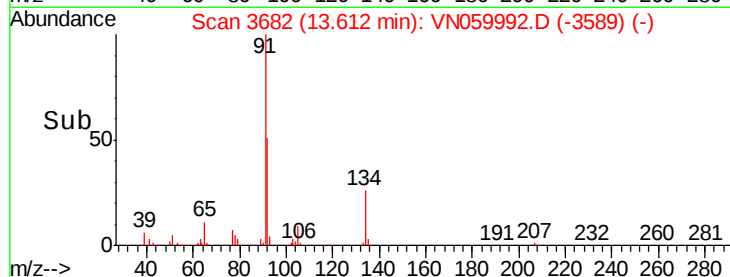
134 26.6 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VN059992.D (-3669) (-)

Ion 92.00 (91.70 to 92.70): VN059992.D (-3669) (-)

Ion 134.00 (133.70 to 134.70): VN059992.D (-3669) (-)



#90

Hexachloroethane

Concen: 18.688 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN059992.D

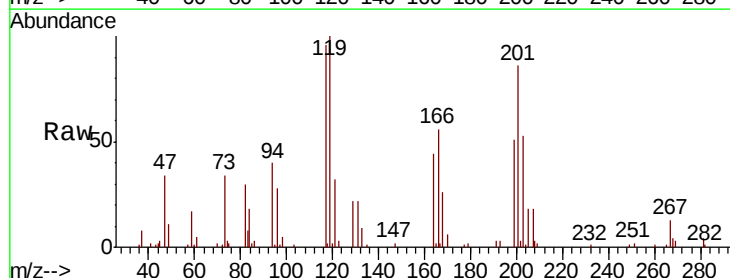
Acq: 4 Feb 2020 14:25

Tgt Ion: 117 Resp: 30063

Ion Ratio Lower Upper

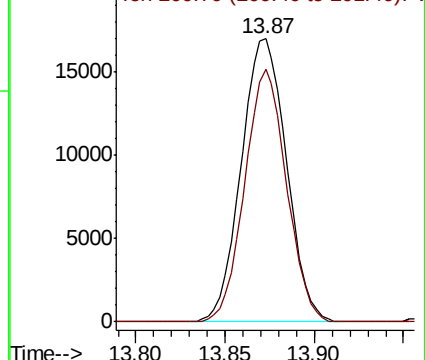
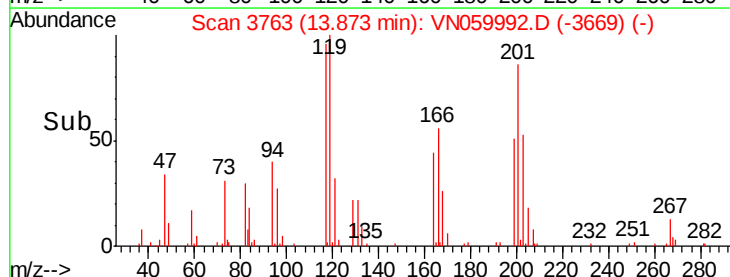
117 100

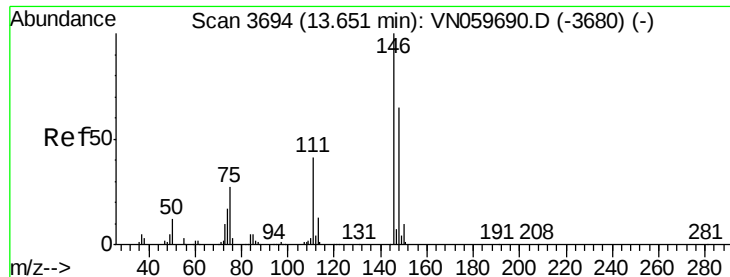
201 82.2 37.8 113.4



Abundance Ion 116.80 (116.50 to 117.50): VN059992.D (-3669) (-)

Ion 200.70 (200.40 to 201.40): VN059992.D (-3669) (-)





#91

1,2-Dichlorobenzene

Concen: 20.097 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN059992.D

Acq: 4 Feb 2020 14:25

Instrument :

MSVOA_N

ClientSampleId :

VN0204WBSD01

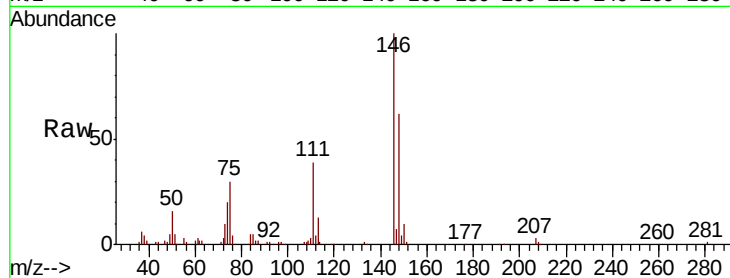
Tot Ion:146 Resp: 84982

Ion Ratio Lower Upper

146 100

111 39.2 21.6 64.8

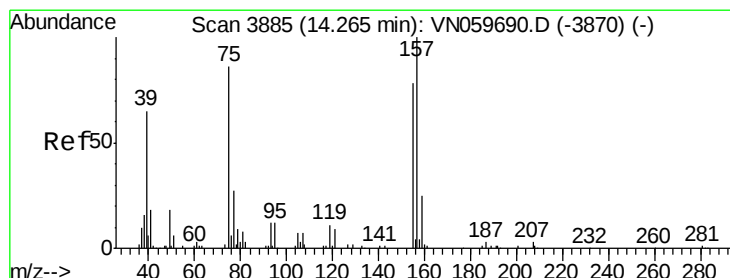
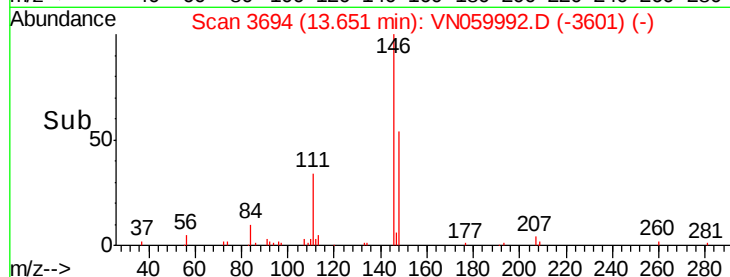
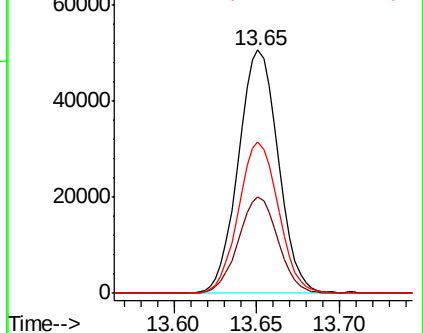
148 62.4 31.6 95.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.204 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN059992.D

Acq: 4 Feb 2020 14:25

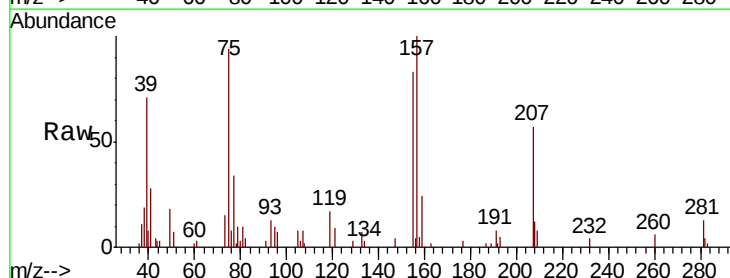
Tgt Ion: 75 Resp: 12977

Ion Ratio Lower Upper

75 100

155 81.7 37.0 110.9

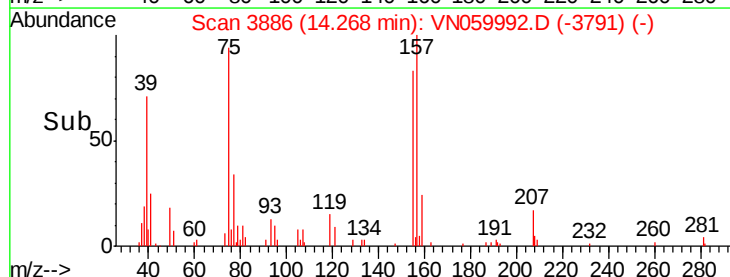
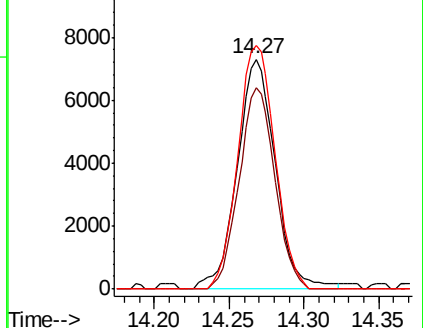
157 102.9 48.4 145.2

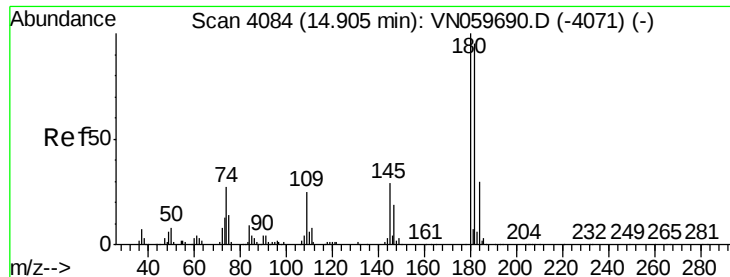


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 20.253 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN059992.D

Acq: 4 Feb 2020 14:25

Instrument :

MSVOA_N

ClientSampleId :

VN0204WBSD01

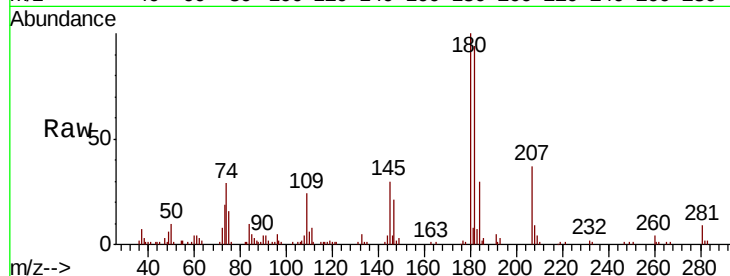
Tot Ion:180 Resp: 51460

Ion Ratio Lower Upper

180 100

182 95.5 46.9 140.7

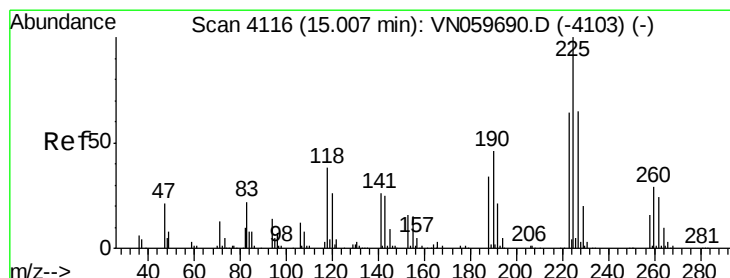
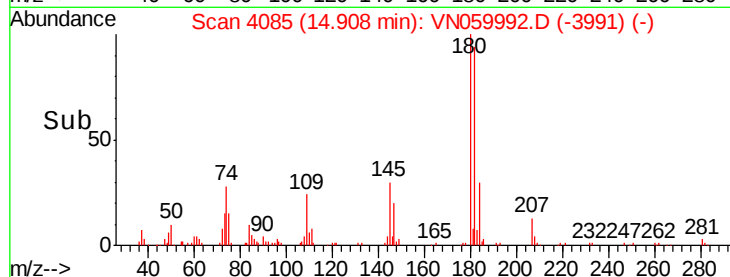
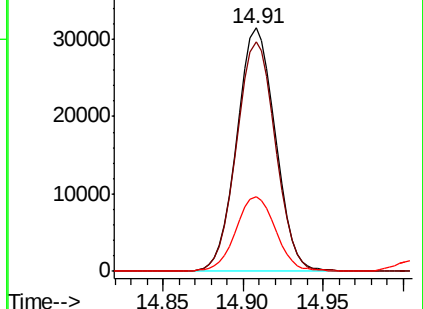
145 31.8 15.0 45.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 19.762 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VN059992.D

Acq: 4 Feb 2020 14:25

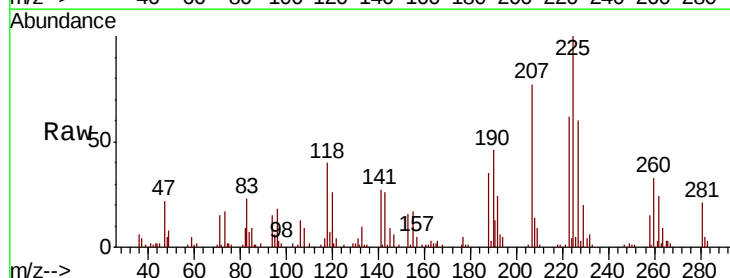
Tgt Ion:225 Resp: 27670

Ion Ratio Lower Upper

225 100

223 62.4 31.8 95.3

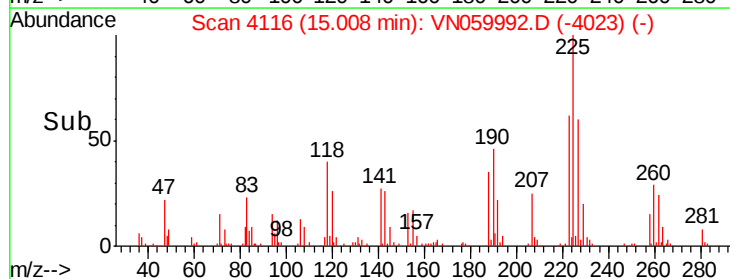
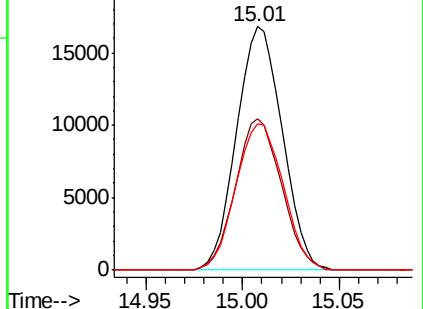
227 62.1 32.1 96.5



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

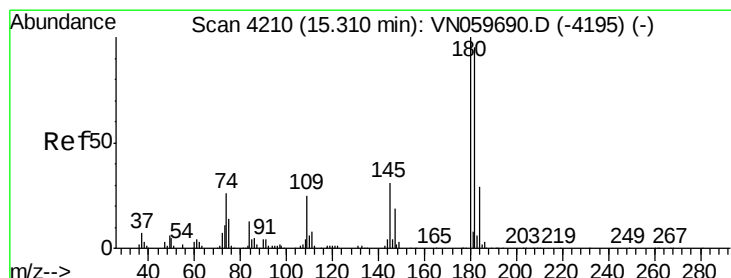
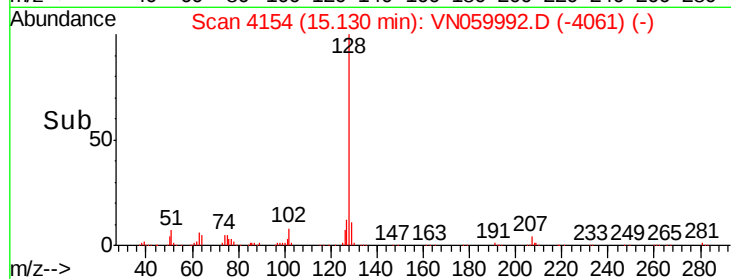
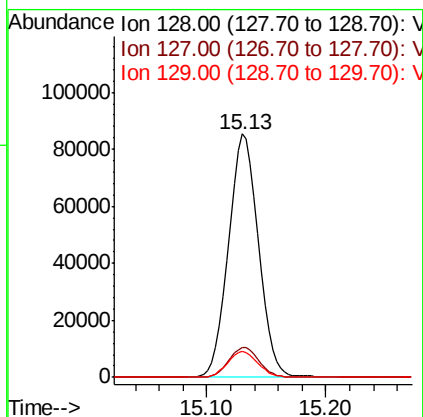
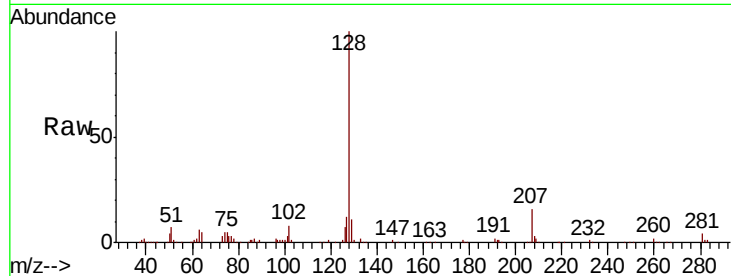




#95
Naphthalene
Concen: 20.617 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN059992.D
Acq: 4 Feb 2020 14:25

Instrument :
MSVOA_N
ClientSampleId :
VN0204WBSD01

Tot Ion:128 Resp: 148999
Ion Ratio Lower Upper
128 100
127 12.5 10.4 15.6
129 10.8 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 20.710 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN059992.D
Acq: 4 Feb 2020 14:25

Tgt Ion:180 Resp: 51218
Ion Ratio Lower Upper
180 100
182 94.1 47.4 142.3
145 33.2 16.3 48.9

