

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012420\
 Data File : VN059836.D
 Acq On : 24 Jan 2020 11:17
 Operator : JC/MD
 Sample : VN0124WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 25 00:24:59 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	208656	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	319423	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	289031	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	138109	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	115815	49.98	ug/l	0.00
Spiked Amount			Recovery	=	99.96%	
35) Dibromofluoromethane	7.56	113	97048	50.95	ug/l	0.00
Spiked Amount			Recovery	=	101.90%	
50) Toluene-d8	10.08	98	370833	50.25	ug/l	0.00
Spiked Amount			Recovery	=	100.50%	
62) 4-Bromofluorobenzene	12.40	95	130726	49.13	ug/l	0.00
Spiked Amount			Recovery	=	98.26%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	49350	19.744	ug/l	98
3) Chloromethane	2.03	50	45365	18.990	ug/l	96
4) Vinyl Chloride	2.17	62	57488	21.033	ug/l	98
5) Bromomethane	2.54	94	35215	21.112	ug/l	99
6) Chloroethane	2.68	64	26435	20.443	ug/l	98
7) Trichlorofluoromethane	3.00	101	69268	21.102	ug/l	96
8) Diethyl Ether	3.38	74	24541	21.304	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	3.74	101	40479	22.157	ug/l	94
10) Methyl Iodide	3.93	142	58173	19.700	ug/l	95
11) Tert butyl alcohol	4.73	59	39080	100.183	ug/l	99
12) 1,1-Dichloroethene	3.72	96	38909	20.382	ug/l	86
13) Acrolein	3.58	56	23084	83.598	ug/l	96
14) Allyl chloride	4.29	41	56766	22.062	ug/l #	93
15) Acrylonitrile	4.95	53	90005	101.150	ug/l	99
16) Acetone	3.78	43	110310	134.970	ug/l	96
17) Carbon Disulfide	4.03	76	99364	18.272	ug/l	99
18) Methyl Acetate	4.29	43	55127	20.367	ug/l #	90
19) Methyl tert-butyl Ether	5.00	73	132793	21.335	ug/l	96
20) Methylene Chloride	4.52	84	43562	20.003	ug/l #	85
21) trans-1,2-Dichloroethene	5.01	96	41071	20.240	ug/l	86
22) Diisopropyl ether	5.92	45	119671	20.523	ug/l #	94
23) Vinyl Acetate	5.86	43	438906	97.218	ug/l #	93
24) 1,1-Dichloroethane	5.82	63	73464	20.619	ug/l	97
25) 2-Butanone	6.80	43	134045	102.153	ug/l	92
26) 2,2-Dichloropropane	6.80	77	70263	20.513	ug/l	95
27) cis-1,2-Dichloroethene	6.80	96	49174	21.069	ug/l	87
28) Bromochloromethane	7.17	49	27666	19.428	ug/l #	73
29) Tetrahydrofuran	7.18	42	78077	96.167	ug/l #	86
30) Chloroform	7.35	83	78544	21.276	ug/l	97
31) Cyclohexane	7.63	56	64175	18.719	ug/l	86
32) 1,1,1-Trichloroethane	7.55	97	71207	20.862	ug/l	96
36) 1,1-Dichloropropene	7.77	75	56633	20.359	ug/l	96
37) Ethyl Acetate	6.90	43	48569	18.616	ug/l #	95
38) Carbon Tetrachloride	7.75	117	63553	21.003	ug/l	98

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Instrument :
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Quant Time: Jan 25 00:24:59 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	67568	19.700	ug/l	91
40) Benzene	8.02	78	170070	20.501	ug/l	100
41) Methacrylonitrile	7.18	41	71670	55.772	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	61021	21.694	ug/l	97
43) Isopropyl Acetate	8.14	43	88592	19.742	ug/l #	95
44) Trichloroethene	8.82	130	50710	22.392	ug/l	92
45) 1,2-Dichloropropane	9.10	63	43637	21.257	ug/l	99
46) Dibromomethane	9.19	93	31563	21.796	ug/l	92
47) Bromodichloromethane	9.39	83	62340	21.363	ug/l	99
48) Methyl methacrylate	9.18	41	38289	19.075	ug/l	90
49) 1,4-Dioxane	9.18	88	16699	454.451	ug/l	89
51) 4-Methyl-2-Pentanone	9.97	43	253156	97.590	ug/l	94
52) Toluene	10.14	92	110161	21.023	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	68461	21.011	ug/l	98
54) cis-1,3-Dichloropropene	9.82	75	72651	21.191	ug/l	93
55) 1,1,2-Trichloroethane	10.55	97	45507	21.927	ug/l	95
56) Ethyl methacrylate	10.42	69	61892	19.517	ug/l	93
57) 1,3-Dichloropropane	10.70	76	71473	21.692	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	107217	112.249	ug/l	92
59) 2-Hexanone	10.74	43	192208	100.576	ug/l	92
60) Dibromochloromethane	10.89	129	50871	21.525	ug/l	99
61) 1,2-Dibromoethane	11.00	107	46082	21.185	ug/l	100
64) Tetrachloroethene	10.62	164	55567	23.589	ug/l	96
65) Chlorobenzene	11.43	112	121487	21.385	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.50	131	47734	21.745	ug/l	98
67) Ethyl Benzene	11.50	91	214264	20.776	ug/l	98
68) m/p-Xylenes	11.62	106	163725	42.028	ug/l	93
69) o-Xylene	11.94	106	79920	20.955	ug/l	94
70) Styrene	11.96	104	128390	20.118	ug/l	97
71) Bromoform	12.12	173	36798	20.928	ug/l #	97
73) Isopropylbenzene	12.25	105	212034	20.934	ug/l	99
74) N-amyl acetate	12.07	43	73237	18.634	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	59506	20.265	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	81886	35.231	ug/l #	100
77) Bromobenzene	12.52	156	54694	21.323	ug/l	80
78) n-propylbenzene	12.59	91	236146	20.772	ug/l	97
79) 2-Chlorotoluene	12.67	91	139774	20.667	ug/l	94
80) 1,3,5-Trimethylbenzene	12.73	105	179621	21.086	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	21549	19.910	ug/l	93
82) 4-Chlorotoluene	12.77	91	143505	21.155	ug/l	96
83) tert-Butylbenzene	12.99	119	157051	21.317	ug/l	94
84) 1,2,4-Trimethylbenzene	13.04	105	180727	21.445	ug/l	98
85) sec-Butylbenzene	13.17	105	201958	20.864	ug/l	98
86) p-Isopropyltoluene	13.29	119	190151	21.231	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	93843	21.062	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	94765	21.320	ug/l	98
89) n-Butylbenzene	13.61	91	156659	20.514	ug/l	98
90) Hexachloroethane	13.87	117	34916	20.836	ug/l	89
91) 1,2-Dichlorobenzene	13.65	146	94072	21.357	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	12808	19.028	ug/l	82

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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	56477	21.338	ug/l	98
94) Hexachlorobutadiene	15.01	225	31471	21.577	ug/l	98
95) Naphthalene	15.13	128	149291	19.830	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	56313	21.858	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN059836.D

Acq: 24 Jan 2020 11:17

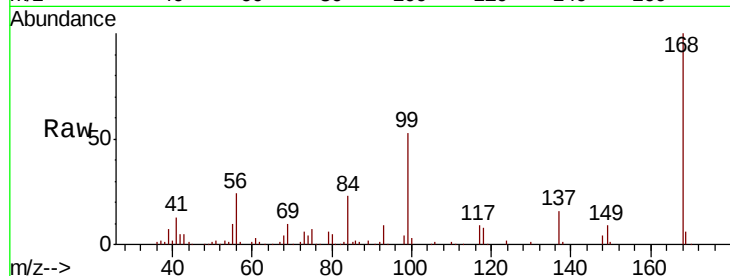
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 208656

Ion Ratio Lower Upper

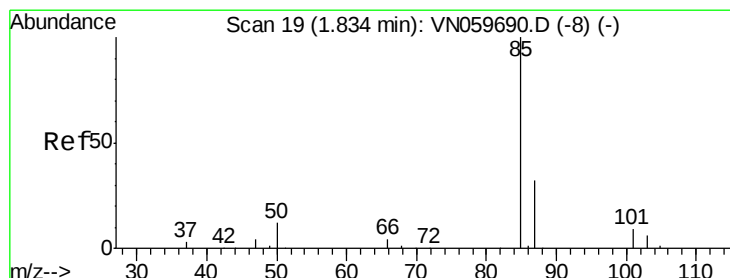
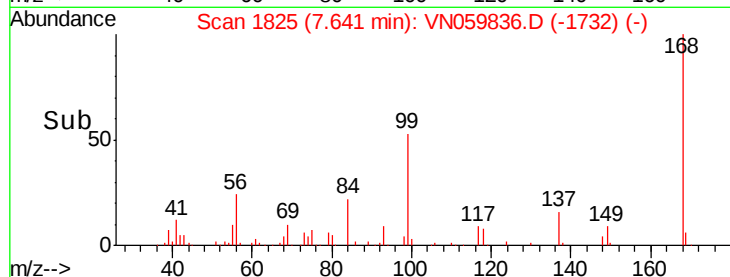
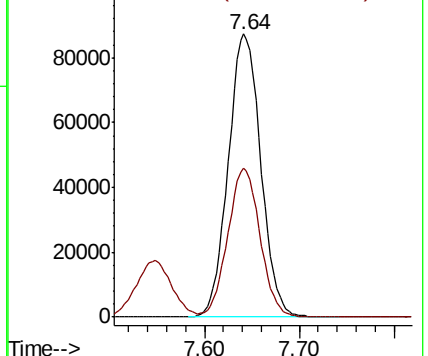
168 100

99 52.7 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 19.744 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059836.D

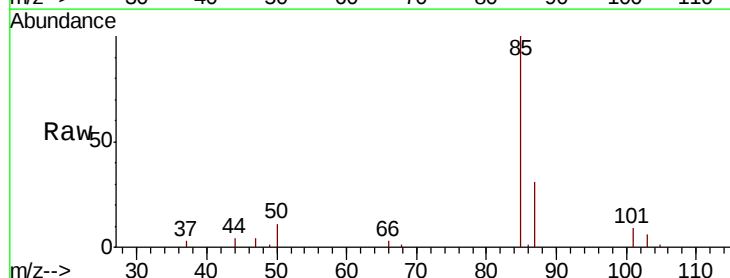
Acq: 24 Jan 2020 11:17

Tgt Ion: 85 Resp: 49350

Ion Ratio Lower Upper

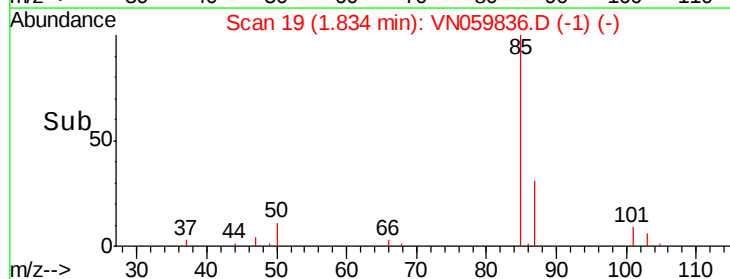
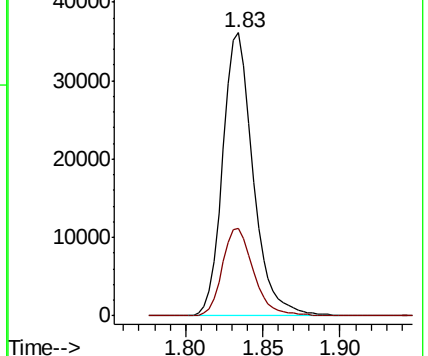
85 100

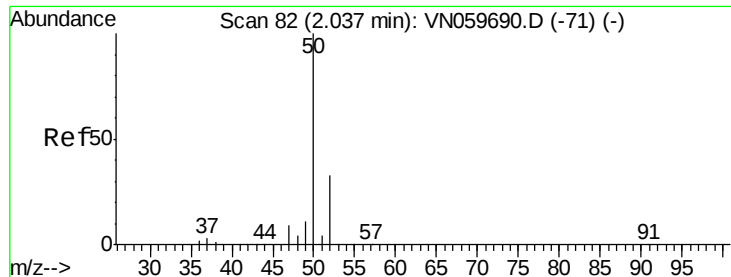
87 30.8 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 18.990 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN059836.D

Acq: 24 Jan 2020 11:17

Instrument :

MSVOA_N

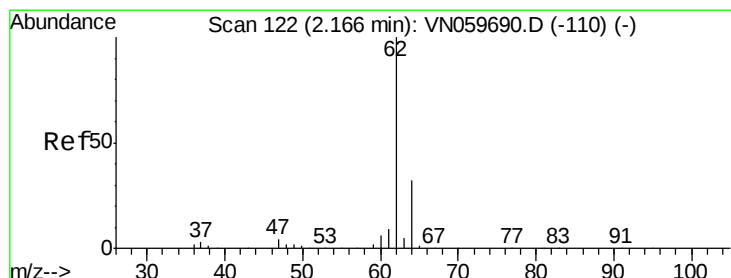
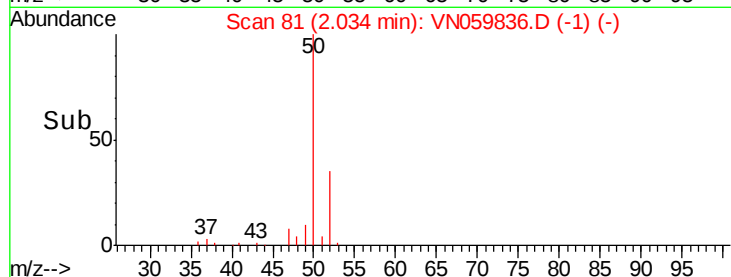
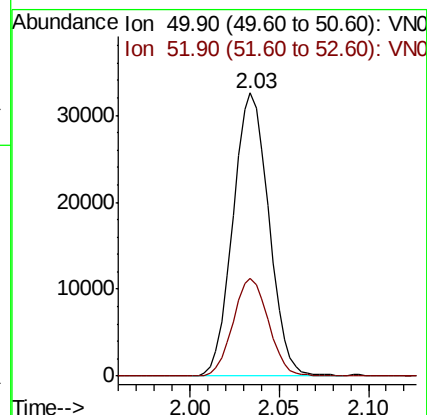
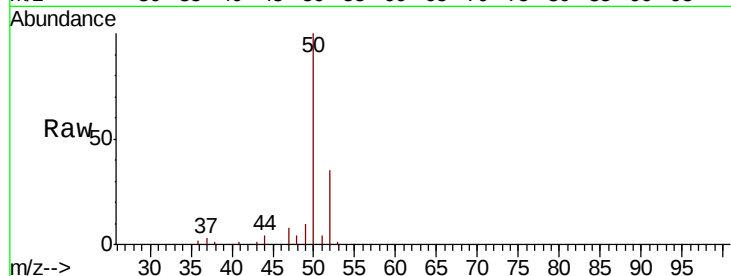
ClientSampleId :

Tot Ion: 50 Resp: 45365

Ion Ratio Lower Upper

50 100

52 34.6 25.9 38.9



#4

Vinyl Chloride

Concen: 21.033 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN059836.D

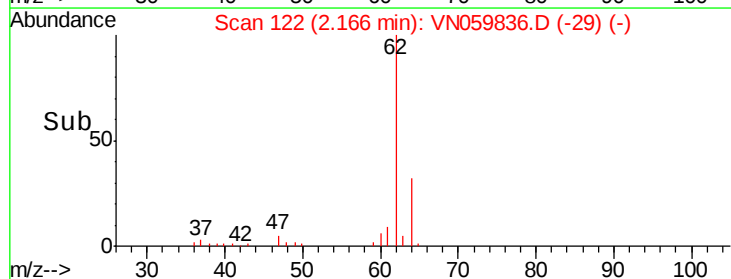
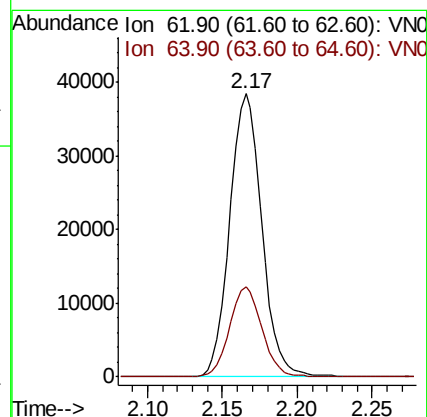
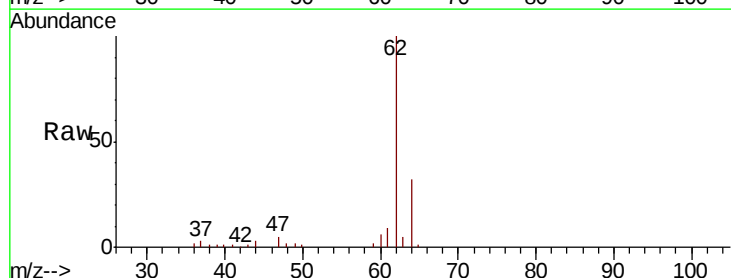
Acq: 24 Jan 2020 11:17

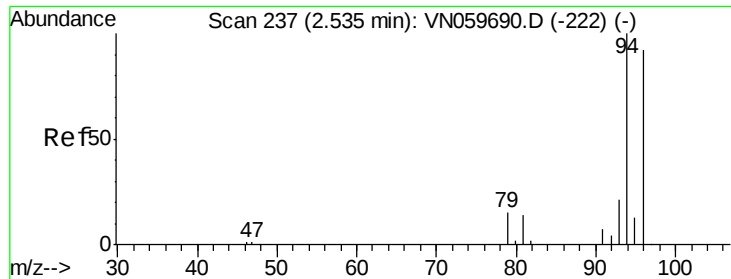
Tgt Ion: 62 Resp: 57488

Ion Ratio Lower Upper

62 100

64 31.8 24.6 37.0

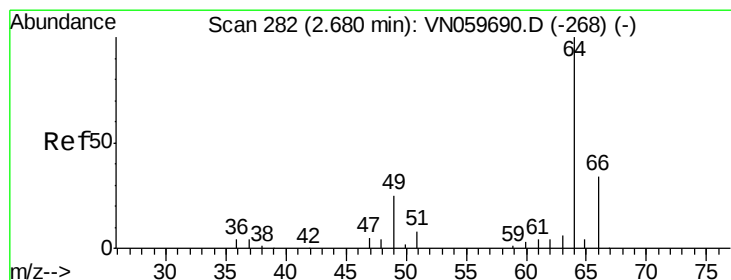
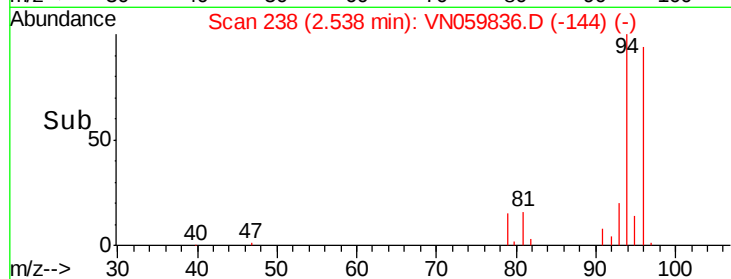
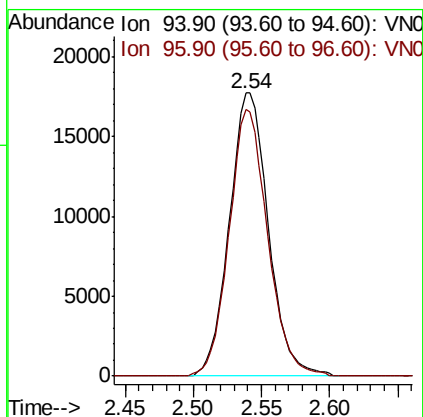
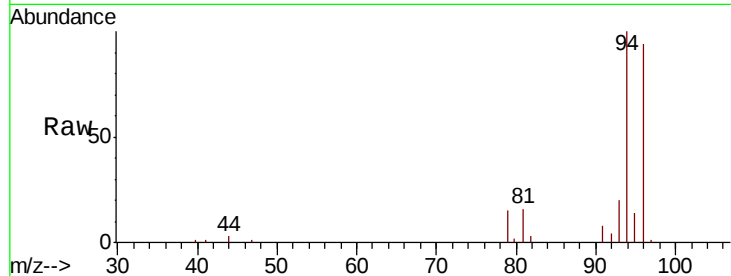




#5
Bromomethane
Concen: 21.112 ug/l
RT: 2.54 min Scan# 238
Delta R.T. 0.00 min
Lab File: VN059836.D
Acq: 24 Jan 2020 11:17

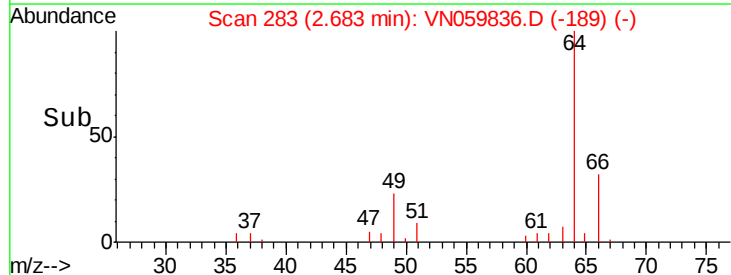
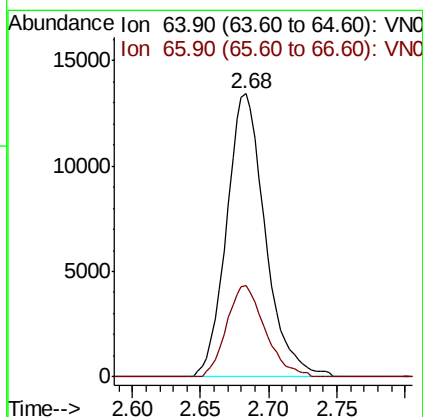
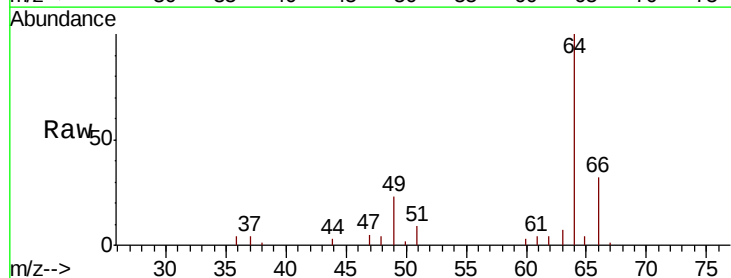
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 94 Resp: 35215
Ion Ratio Lower Upper
94 100
96 94.4 74.7 112.1



#6
Chloroethane
Concen: 20.443 ug/l
RT: 2.68 min Scan# 283
Delta R.T. 0.00 min
Lab File: VN059836.D
Acq: 24 Jan 2020 11:17

Tgt Ion: 64 Resp: 26435
Ion Ratio Lower Upper
64 100
66 32.3 25.1 37.7



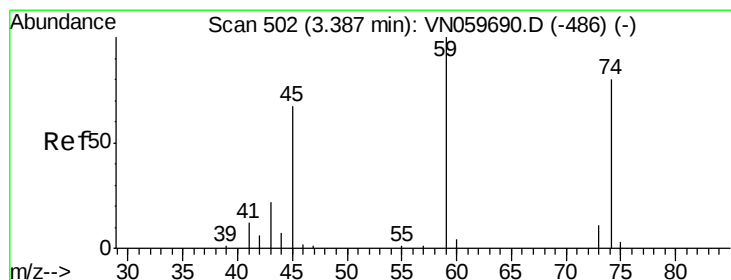
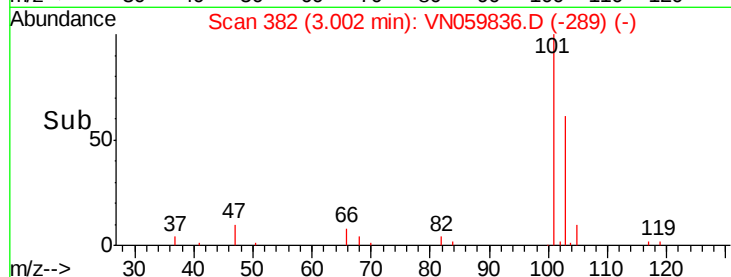
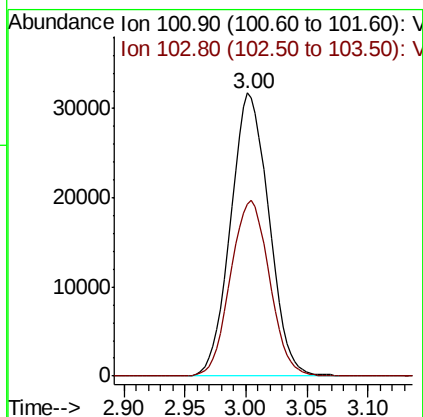
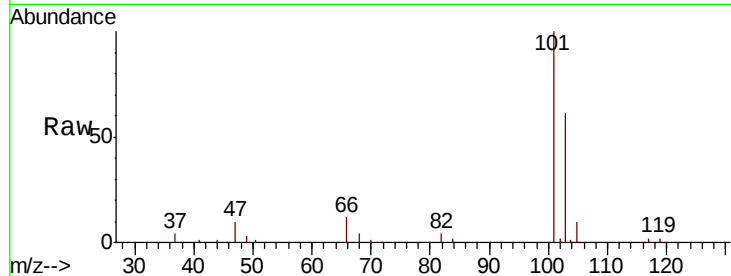


#7

Trichlorofluoromethane
Concen: 21.102 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN059836.D
Acq: 24 Jan 2020 11:17

Instrument :
MSVOA_N
ClientSampled :

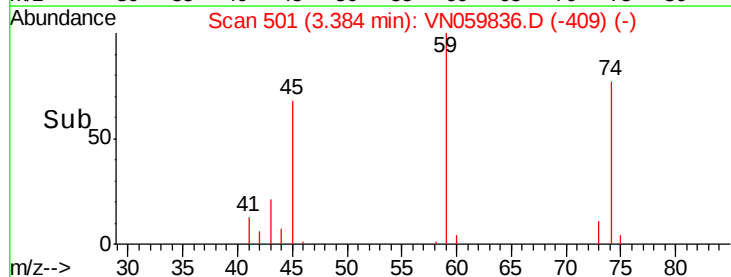
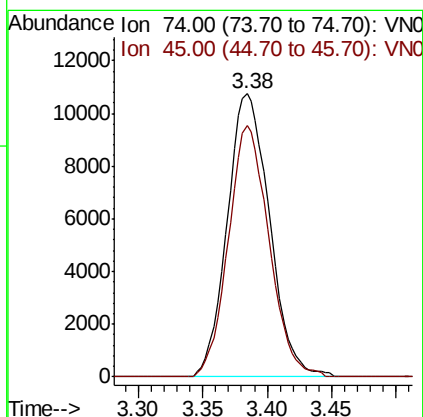
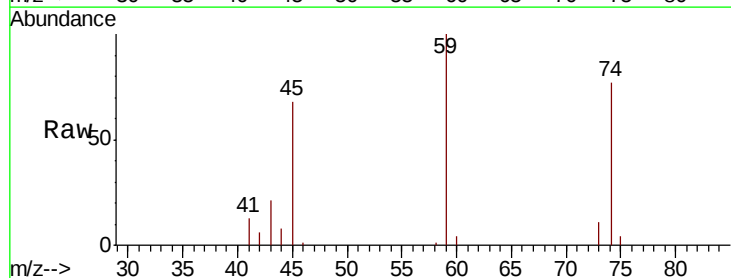
Tot Ion:101 Resp: 69268
Ion Ratio Lower Upper
101 100
103 60.8 51.0 76.6



#8

Diethyl Ether
Concen: 21.304 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.00 min
Lab File: VN059836.D
Acq: 24 Jan 2020 11:17

Tgt Ion: 74 Resp: 24541
Ion Ratio Lower Upper
74 100
45 85.3 51.9 155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.157 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN059836.D

Acq: 24 Jan 2020 11:17

Instrument :

MSVOA_N

ClientSampled :

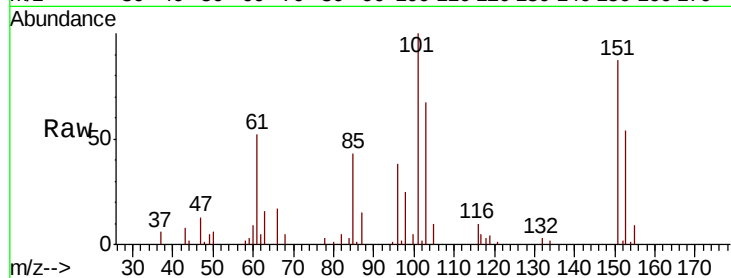
Tot Ion:101 Resp: 40479

Ion Ratio Lower Upper

101 100

85 42.7 36.6 54.8

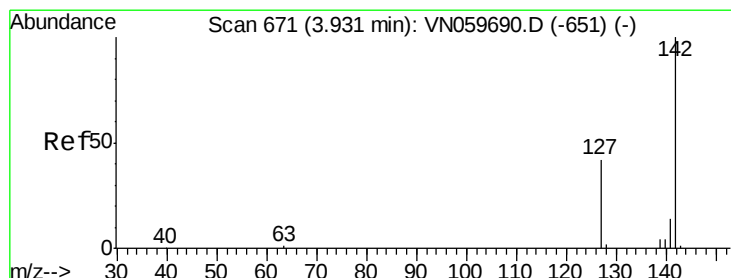
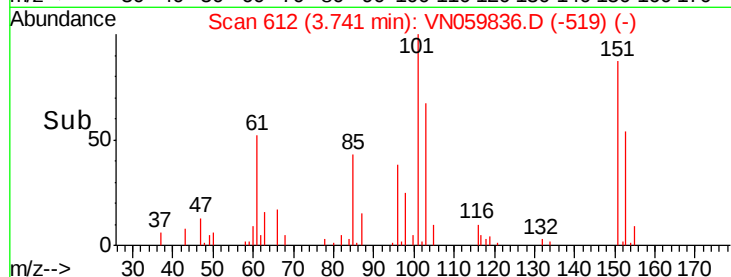
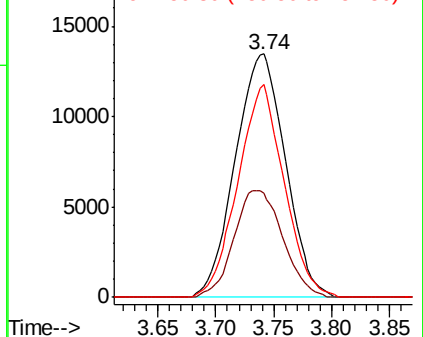
151 80.9 59.7 89.5



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: 19.700 ug/l

RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

Lab File: VN059836.D

Acq: 24 Jan 2020 11:17

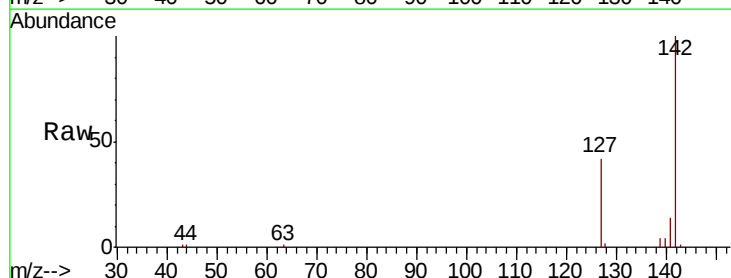
Tgt Ion:142 Resp: 58173

Ion Ratio Lower Upper

142 100

127 42.2 36.7 55.1

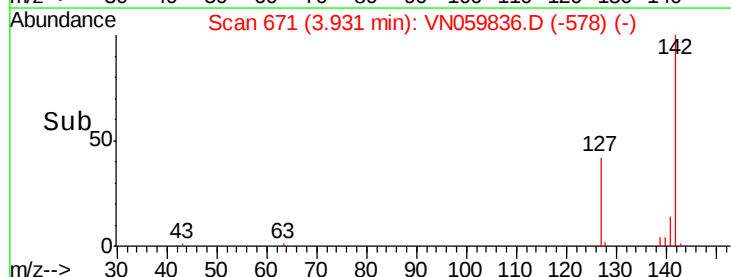
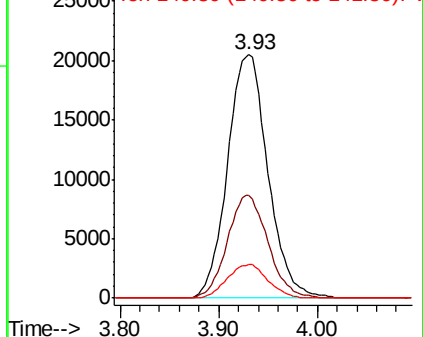
141 13.8 11.7 17.5

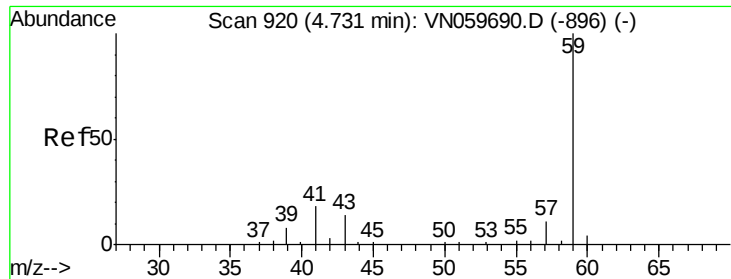


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

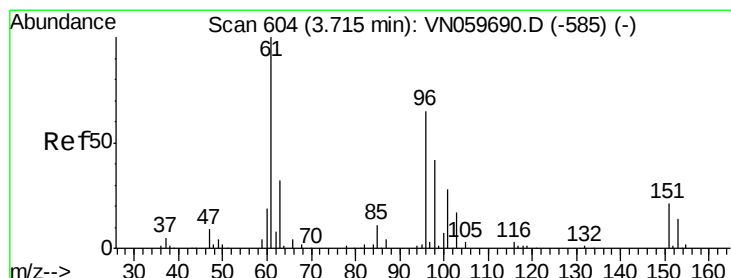
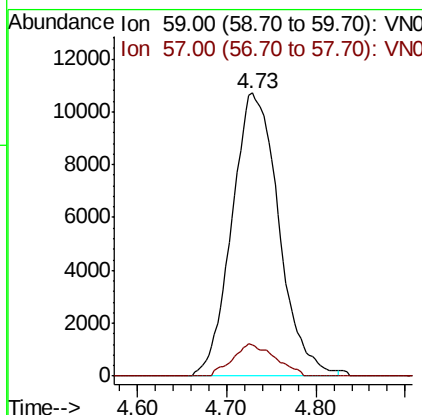
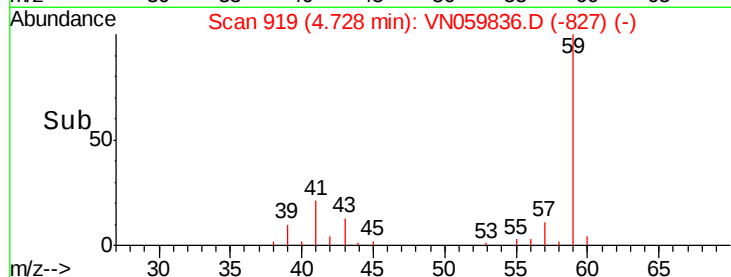
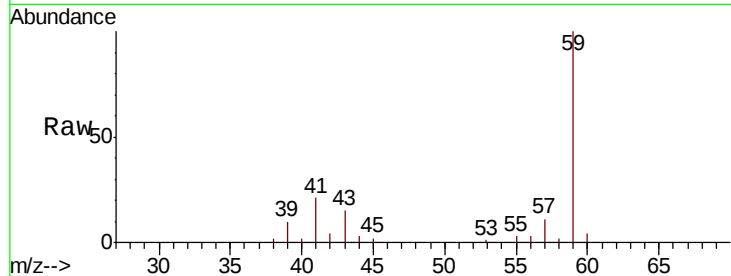




#11
Tert butyl alcohol
Concen: 100.183 ug/l
RT: 4.73 min Scan# 919
Delta R.T. -0.00 min
Lab File: VN059836.D
Acq: 24 Jan 2020 11:17

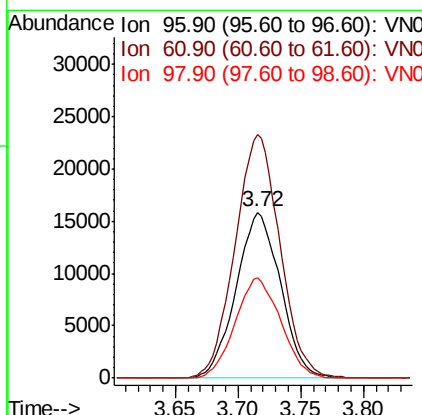
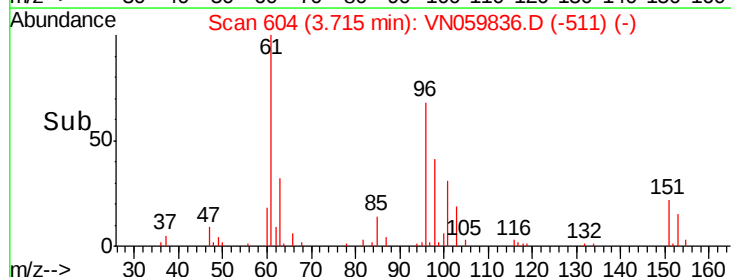
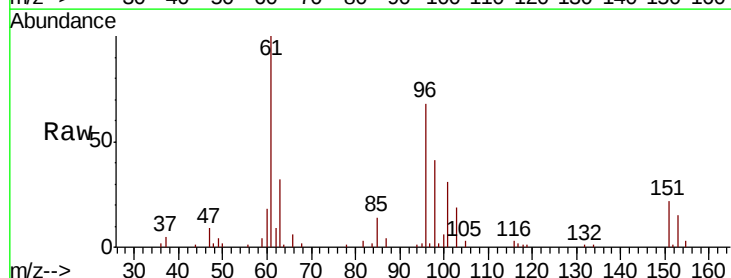
Instrument :
MSVOA_N
ClientSampled :

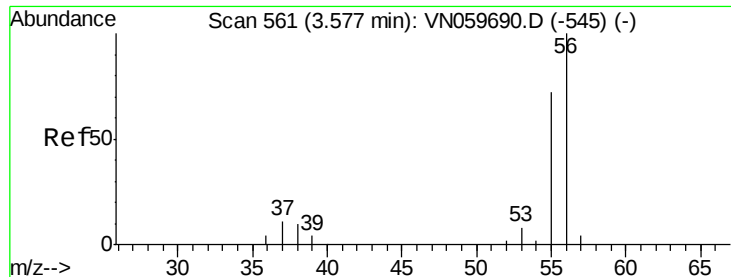
Tot Ion: 59 Resp: 39080
Ion Ratio Lower Upper
59 100
57 10.3 8.6 12.8



#12
1,1-Dichloroethene
Concen: 20.382 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN059836.D
Acq: 24 Jan 2020 11:17

Tgt Ion: 96 Resp: 38909
Ion Ratio Lower Upper
96 100
61 147.0 137.5 206.3
98 60.7 50.2 75.4





#13

Acrolein

Concen: 83.598 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VN059836.D

Acq: 24 Jan 2020 11:17

Instrument :

MSVOA_N

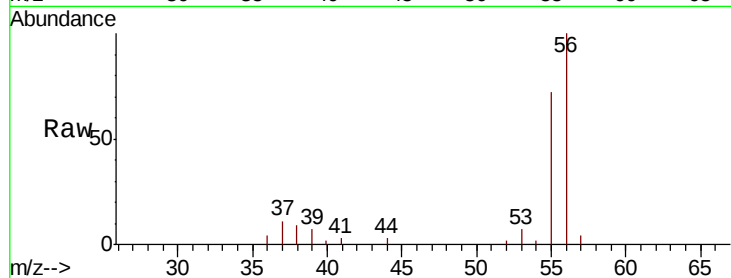
ClientSampleId :

Tot Ion: 56 Resp: 23084

Ion Ratio Lower Upper

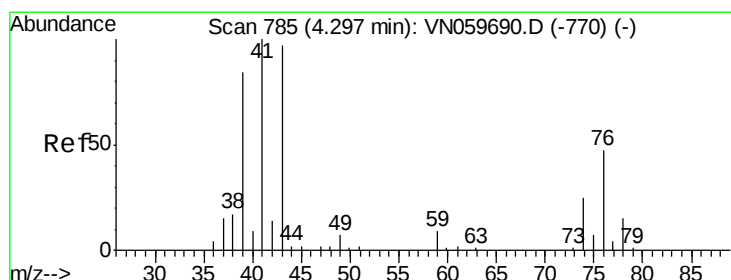
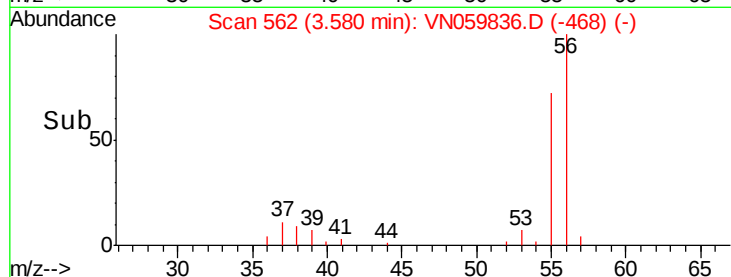
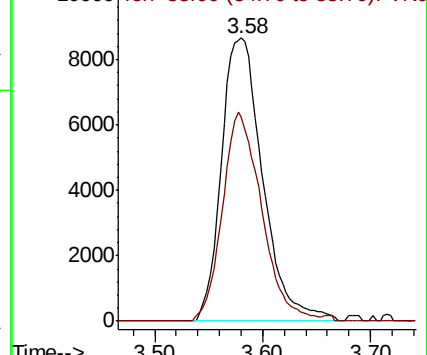
56 100

55 70.0 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: 22.062 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059836.D

Acq: 24 Jan 2020 11:17

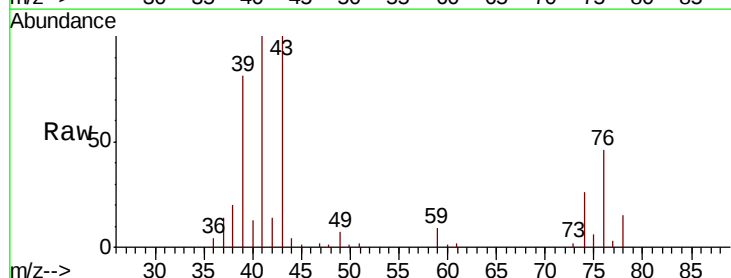
Tgt Ion: 41 Resp: 56766

Ion Ratio Lower Upper

41 100

39 74.7 57.8 86.8

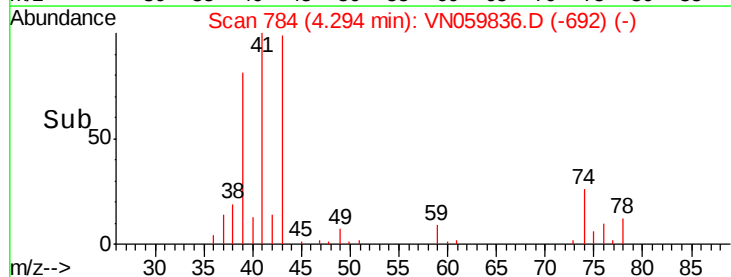
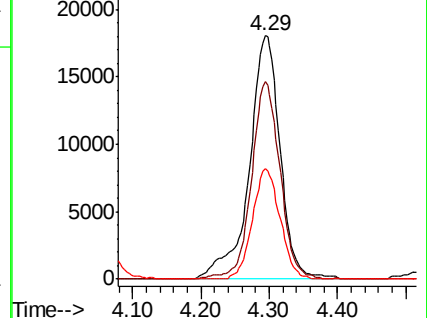
76 40.5 25.4 38.0#



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: 101.150 ug/l

RT: 4.95 min Scan# 987

Delta R.T. 0.00 min

Lab File: VN059836.D

Acq: 24 Jan 2020 11:17

Instrument :
MSVOA_N
ClientSampleId :

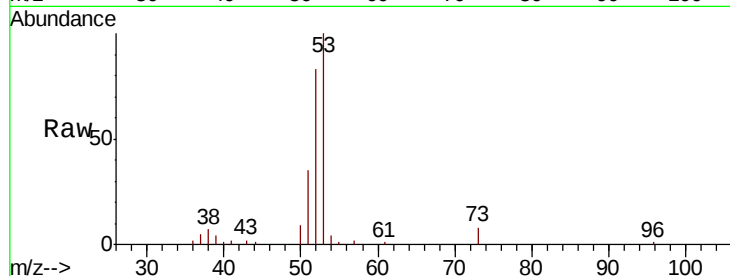
Tot Ion: 53 Resp: 90005

Ion Ratio Lower Upper

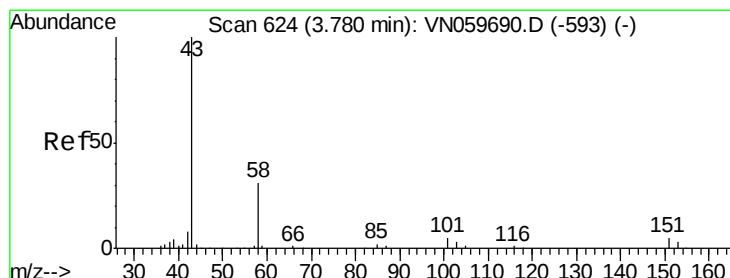
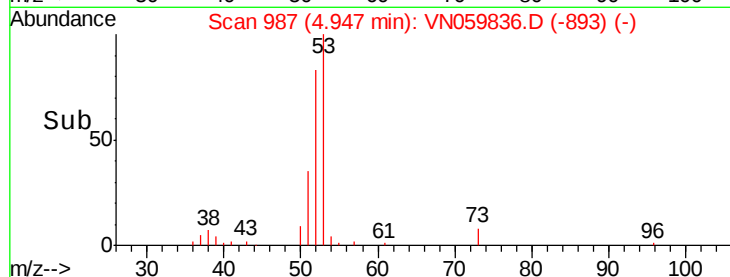
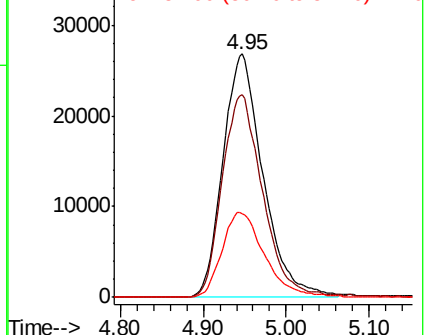
53 100

52 84.0 66.3 99.5

51 37.1 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: 134.970 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.00 min

Lab File: VN059836.D

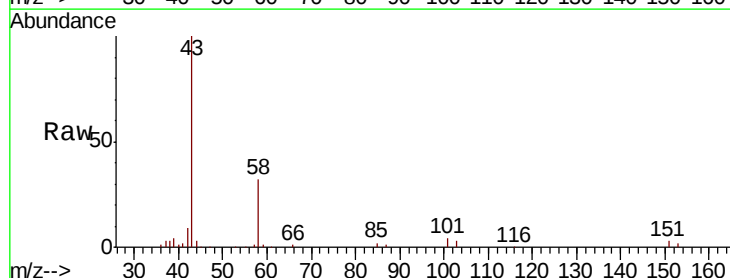
Acq: 24 Jan 2020 11:17

Tgt Ion: 43 Resp: 110310

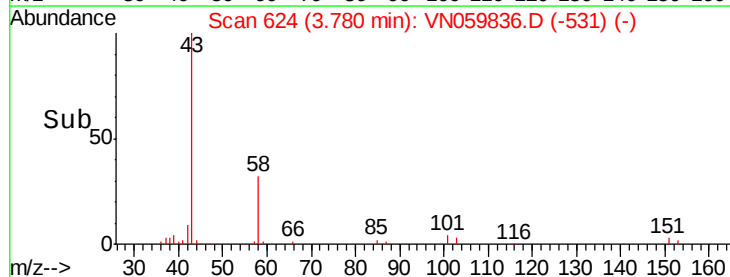
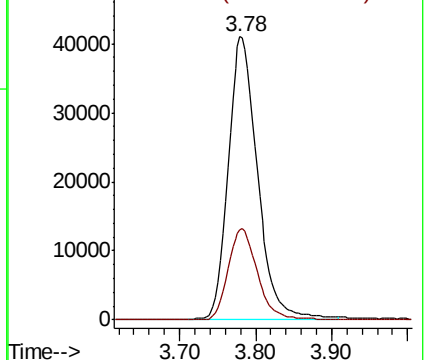
Ion Ratio Lower Upper

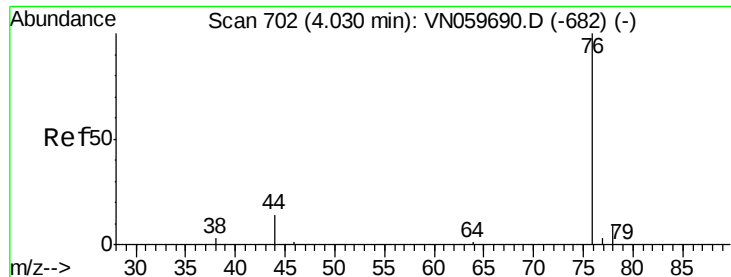
43 100

58 31.7 23.6 35.4



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

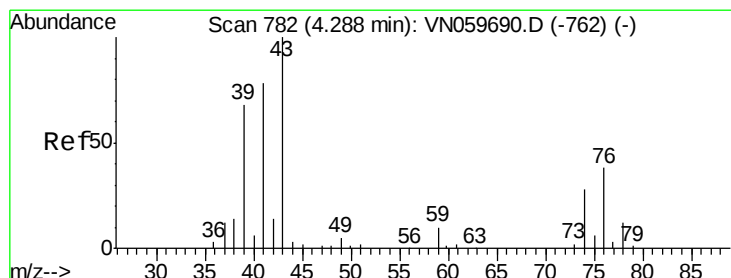
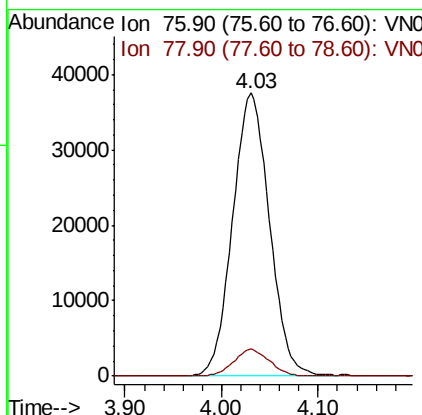
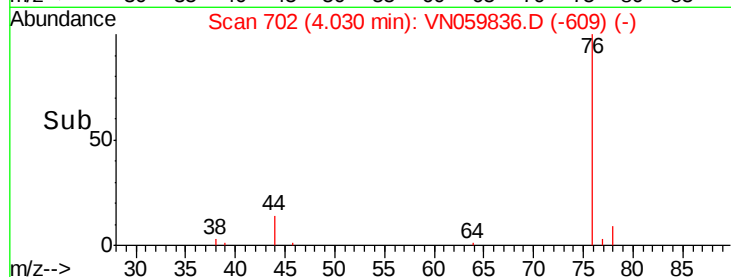
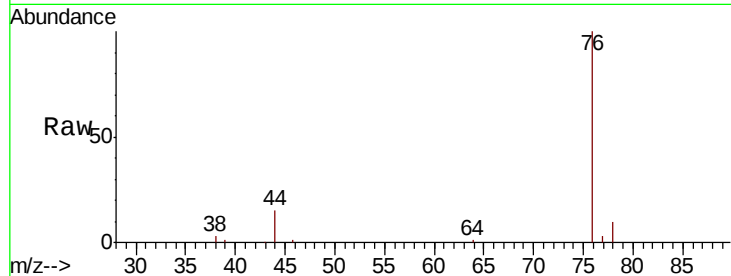




#17
Carbon Disulfide
Concen: 18.272 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN059836.D
Acq: 24 Jan 2020 11:17

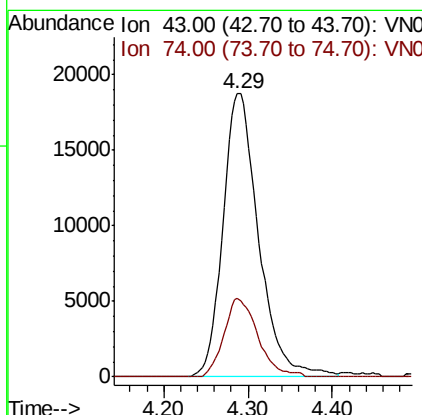
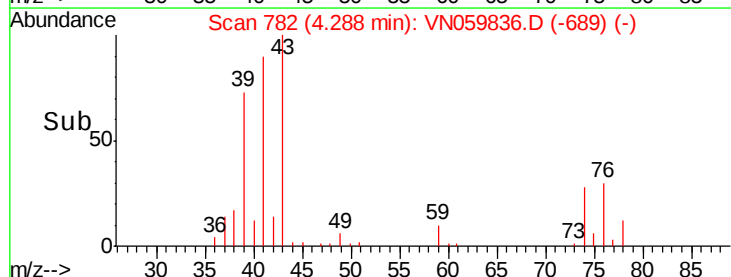
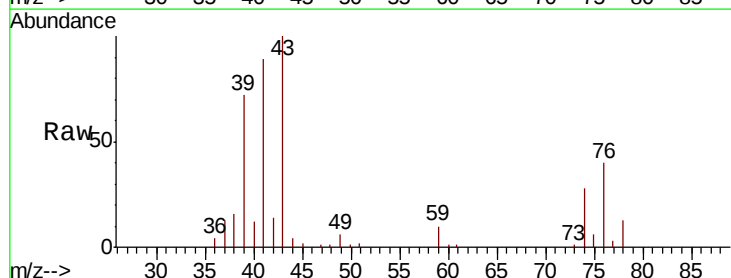
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 76 Resp: 99364
Ion Ratio Lower Upper
76 100
78 9.7 7.4 11.0



#18
Methyl Acetate
Concen: 20.367 ug/l
RT: 4.29 min Scan# 782
Delta R.T. 0.00 min
Lab File: VN059836.D
Acq: 24 Jan 2020 11:17

Tgt Ion: 43 Resp: 55127
Ion Ratio Lower Upper
43 100
74 26.5 17.5 26.3#

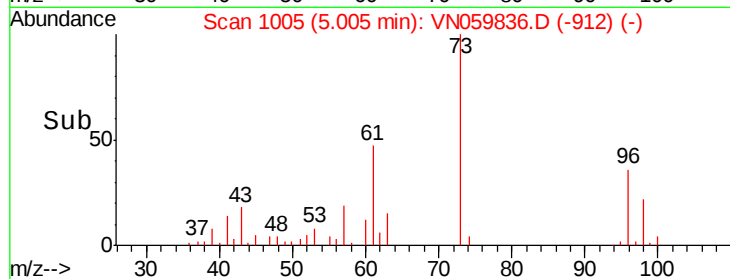
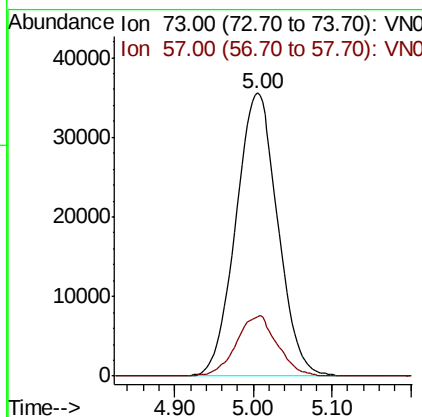
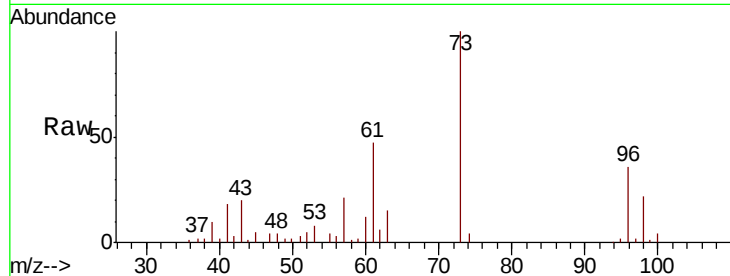




#19
Methvl tert-butvl Ether
Concen: 21.335 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. 0.00 min
Lab File: VN059836.D
Acq: 24 Jan 2020 11:17

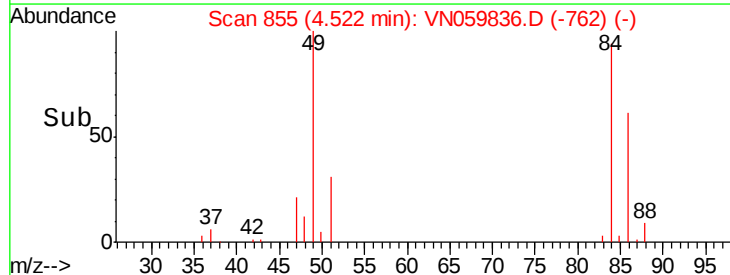
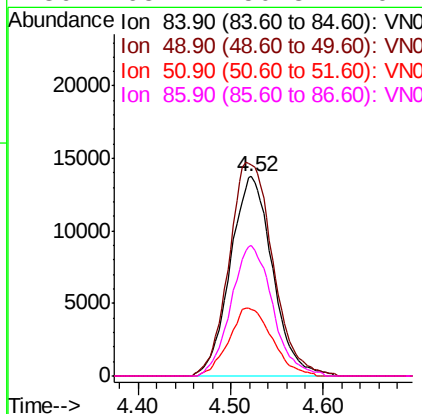
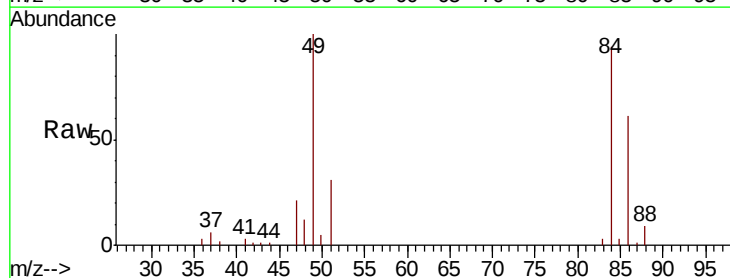
Instrument :
MSVOA_N
ClientSampleId :

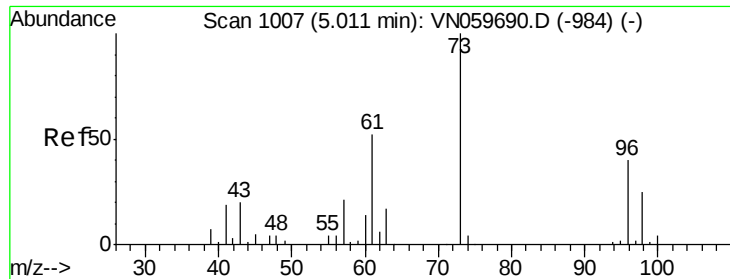
Tot Ion: 73 Resp: 132793
Ion Ratio Lower Upper
73 100
57 21.1 18.6 27.8



#20
Methylene Chloride
Concen: 20.003 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN059836.D
Acq: 24 Jan 2020 11:17

Tgt Ion: 84 Resp: 43562
Ion Ratio Lower Upper
84 100
49 106.0 106.6 160.0#
51 33.3 31.9 47.9
86 65.2 50.8 76.2

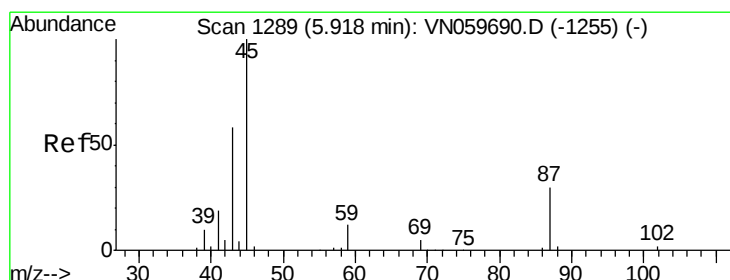
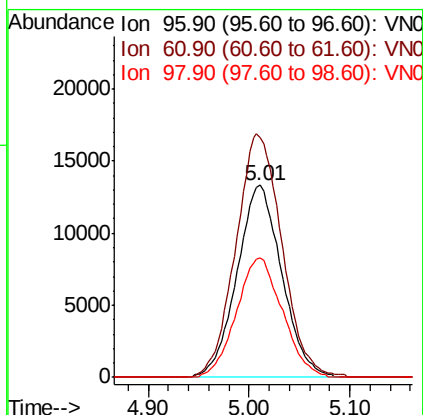
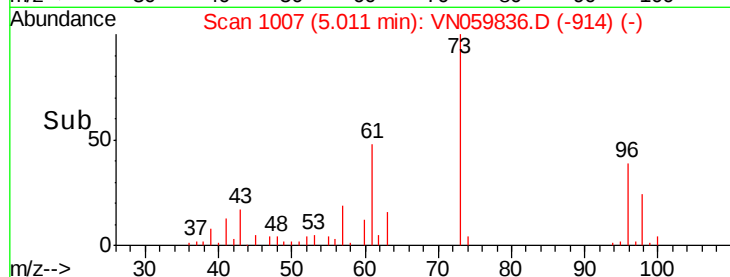
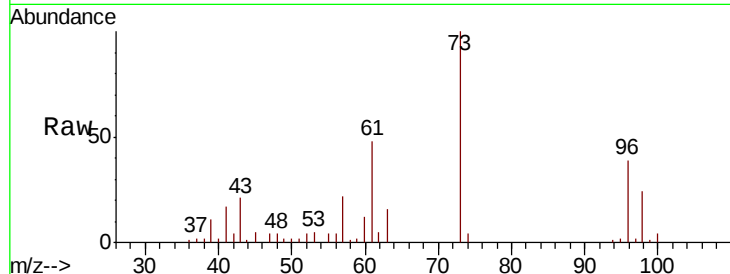




#21
trans-1,2-Dichloroethene
Concen: 20.240 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. 0.00 min
Lab File: VN059836.D
Acq: 24 Jan 2020 11:17

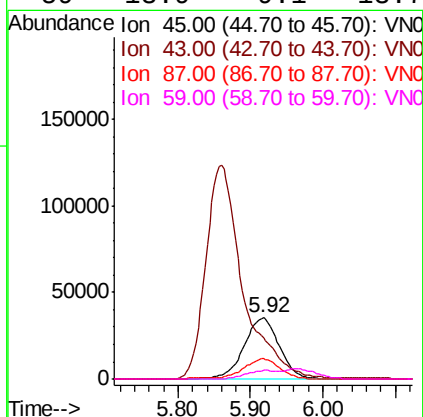
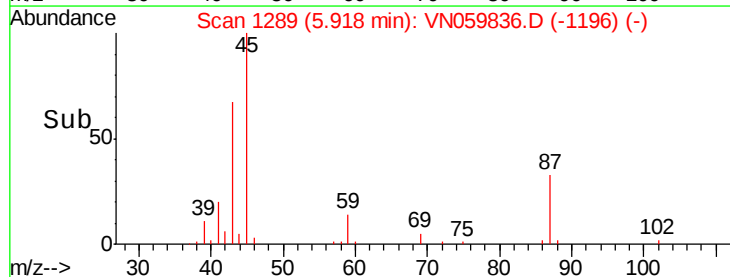
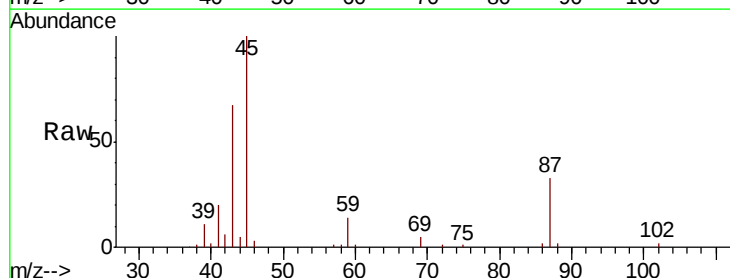
Instrument :
MSVOA_N
ClientSampled :

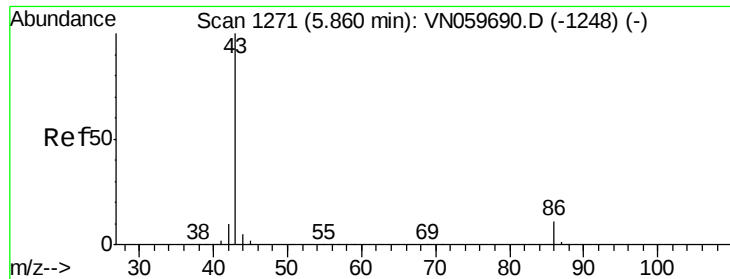
Tot Ion: 96 Resp: 41071
Ion Ratio Lower Upper
96 100
61 125.1 120.4 180.6
98 62.2 50.6 75.8



#22
Diisopropyl ether
Concen: 20.523 ug/l
RT: 5.92 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VN059836.D
Acq: 24 Jan 2020 11:17

Tgt Ion: 45 Resp: 119671
Ion Ratio Lower Upper
45 100
43 65.4 50.8 76.2
87 33.4 21.0 31.6#
59 13.9 9.1 13.7#

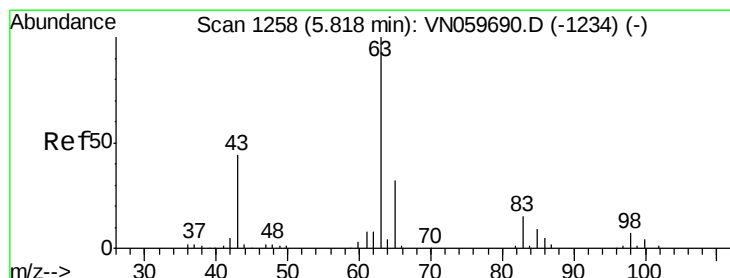
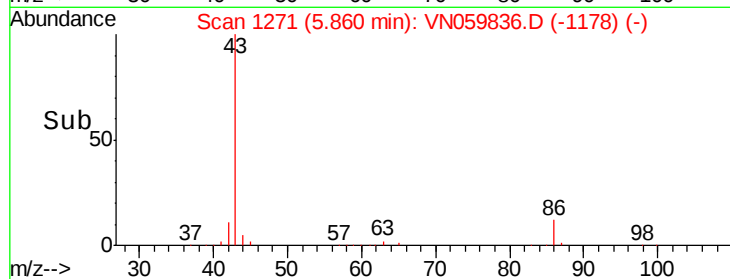
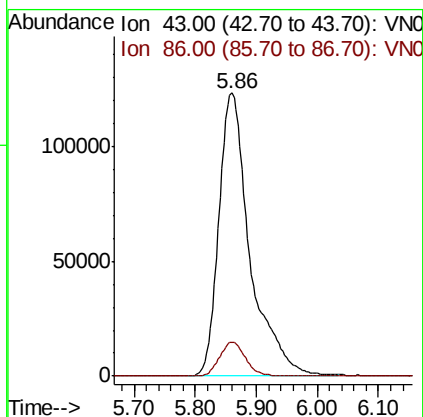
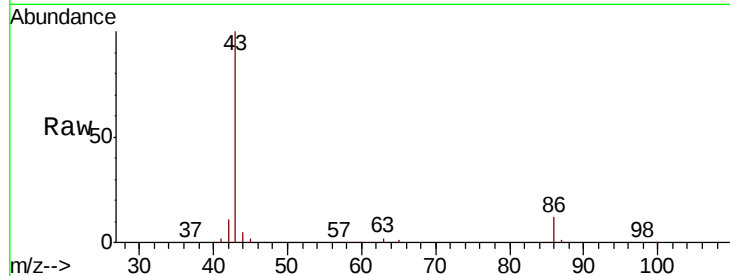




#23
 Vinyl Acetate
 Concen: 97.218 ug/l
 RT: 5.86 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VN059836.D
 Acq: 24 Jan 2020 11:17

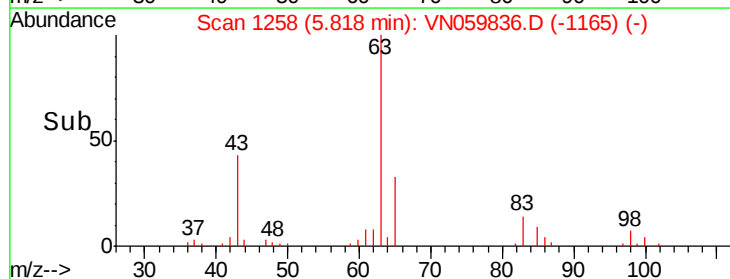
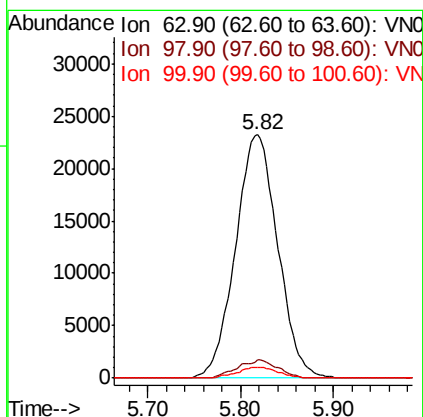
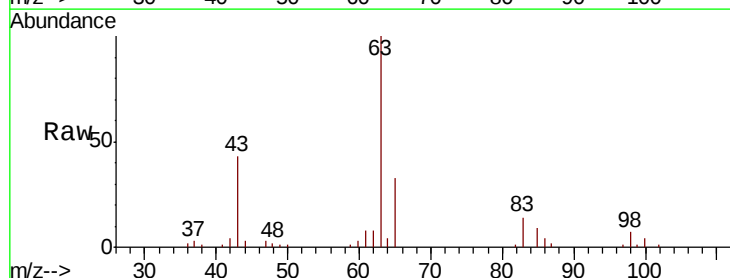
Instrument :
 MSVOA_N
 ClientSampled :

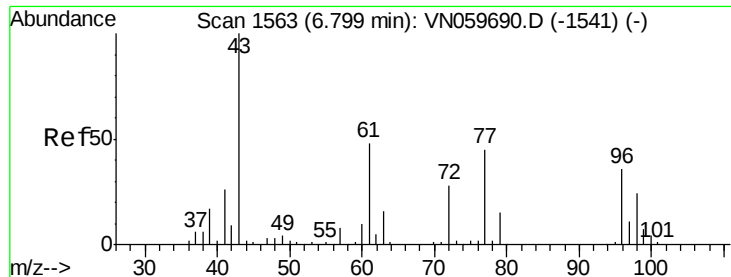
Tot Ion: 43 Resp: 438906
 Ion Ratio Lower Upper
 43 100
 86 11.9 7.6 11.4#



#24
 1,1-Dichloroethane
 Concen: 20.619 ug/l
 RT: 5.82 min Scan# 1258
 Delta R.T. 0.00 min
 Lab File: VN059836.D
 Acq: 24 Jan 2020 11:17

Tgt Ion: 63 Resp: 73464
 Ion Ratio Lower Upper
 63 100
 98 7.4 2.9 8.7
 100 4.5 2.0 6.0





#25

2-Butanone

Concen: 102.153 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059836.D

Acq: 24 Jan 2020 11:17

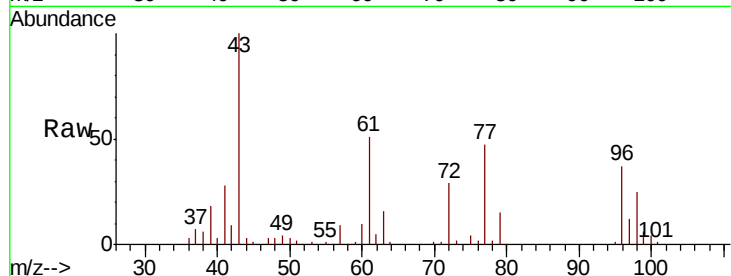
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 134045

Ion Ratio Lower Upper

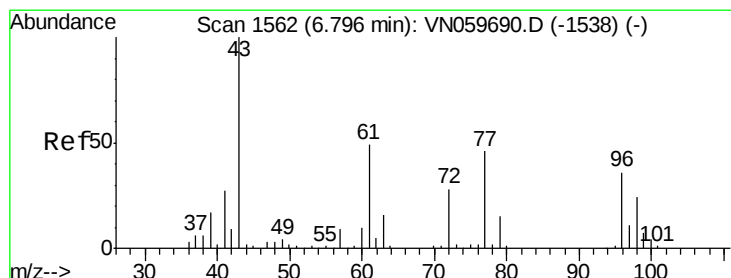
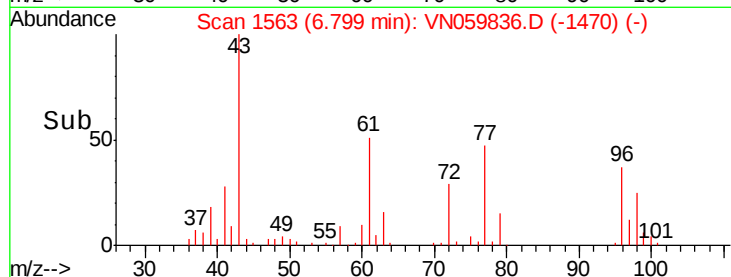
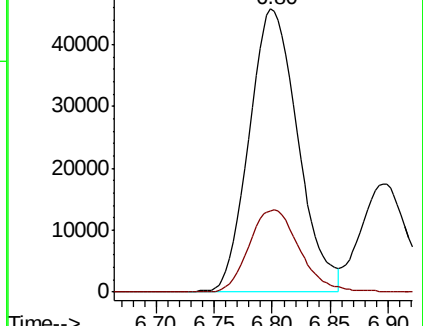
43 100

72 28.8 19.9 29.9



Abundance Ion 43.00 (42.70 to 43.70): VN059836.D (-1470) (-)

Ion 72.00 (71.70 to 72.70): VN059836.D (-1470) (-)



#26

2,2-Dichloropropane

Concen: 20.513 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VN059836.D

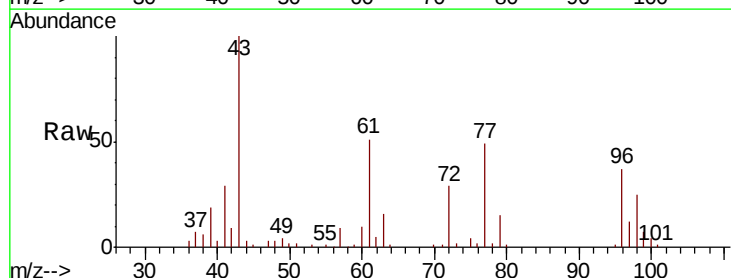
Acq: 24 Jan 2020 11:17

Tgt Ion: 77 Resp: 70263

Ion Ratio Lower Upper

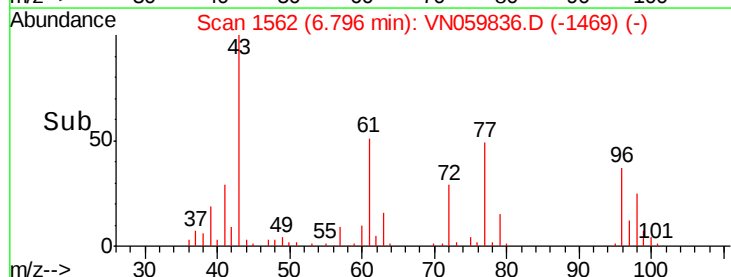
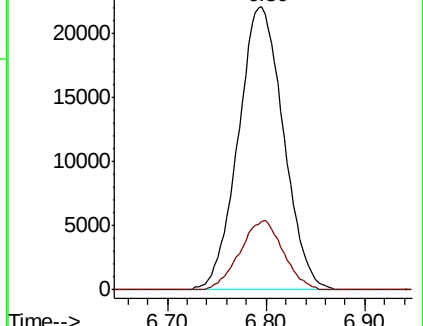
77 100

97 23.5 10.7 31.9



Abundance Ion 76.90 (76.60 to 77.60): VN059836.D (-1469) (-)

Ion 96.90 (96.60 to 97.60): VN059836.D (-1469) (-)





#27

cis-1,2-Dichloroethene

Concen: 21.069 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059836.D

Acq: 24 Jan 2020 11:17

Instrument :
MSVOA_N
ClientSampled :

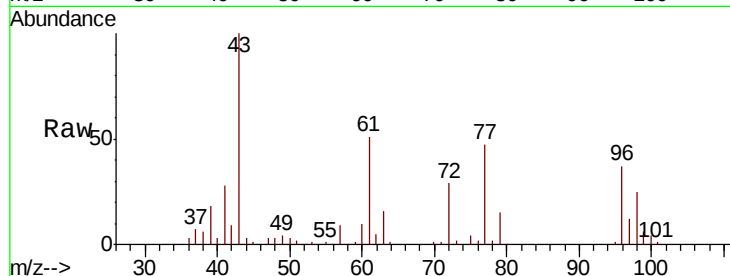
Tot Ion: 96 Resp: 49174

Ion Ratio Lower Upper

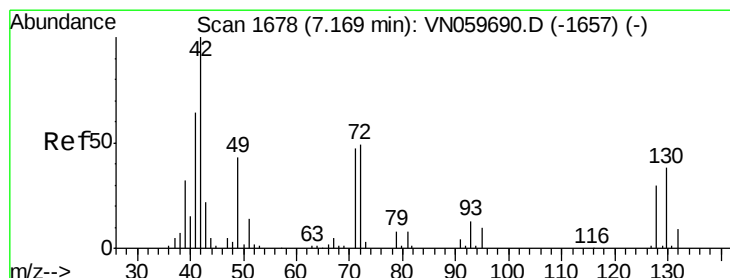
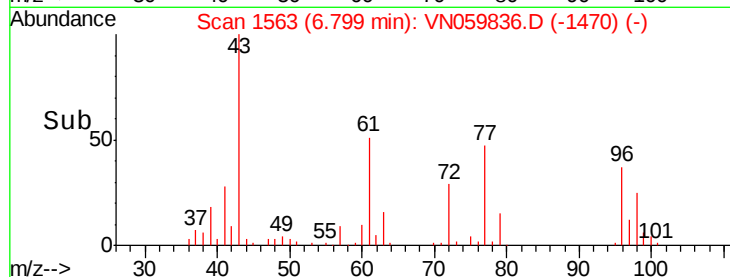
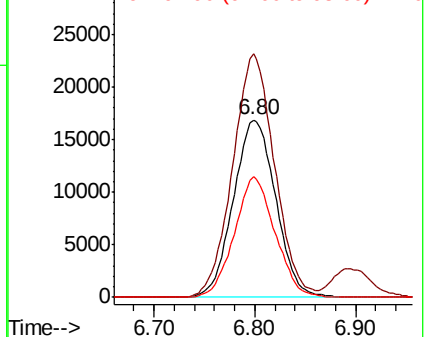
96 100

61 135.5 0.0 317.6

98 65.0 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: 19.428 ug/l

RT: 7.17 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VN059836.D

Acq: 24 Jan 2020 11:17

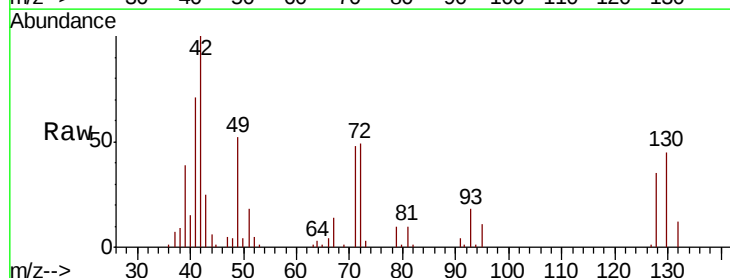
Tgt Ion: 49 Resp: 27666

Ion Ratio Lower Upper

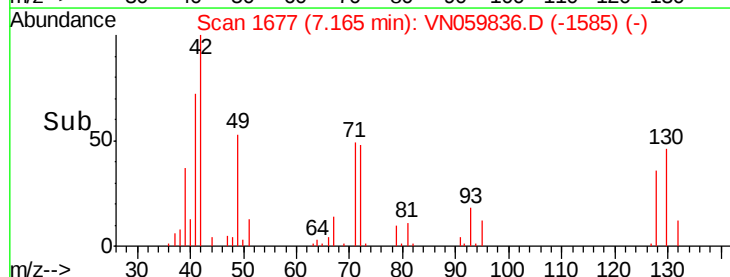
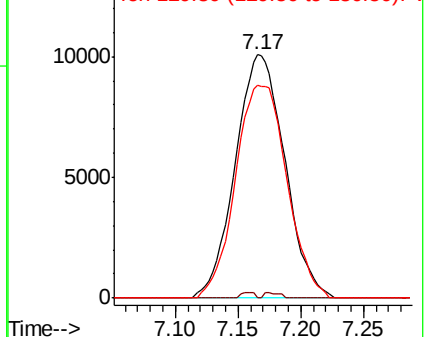
49 100

129 0.7 0.0 3.4

130 90.7 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

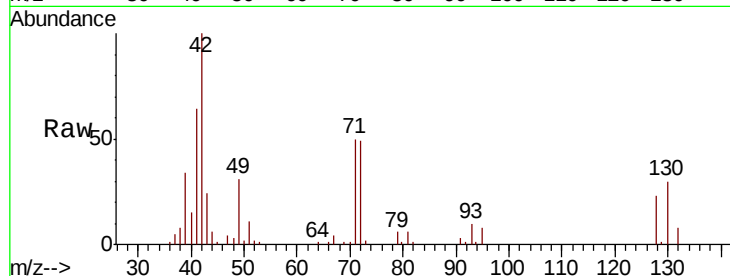




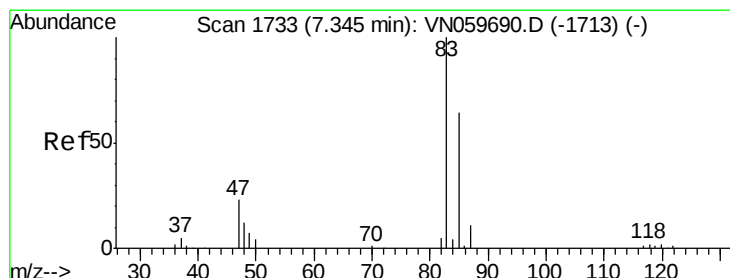
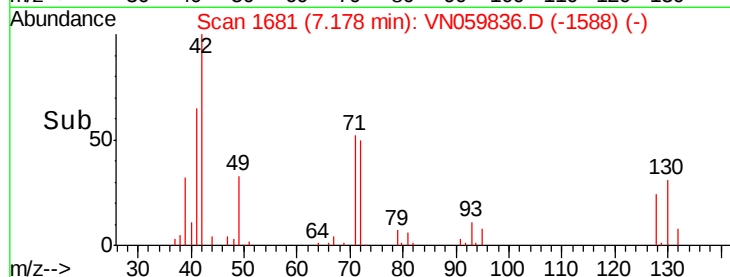
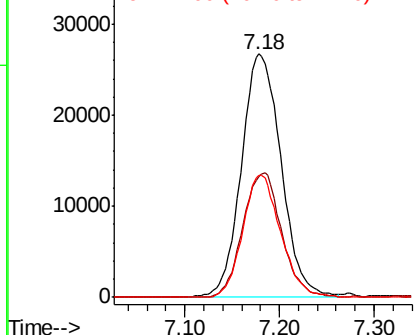
#29
Tetrahydrofuran
Concen: 96.167 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN059836.D
Acq: 24 Jan 2020 11:17

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 78077
Ion Ratio Lower Upper
42 100
72 49.9 33.1 49.7#
71 47.9 31.4 47.0#

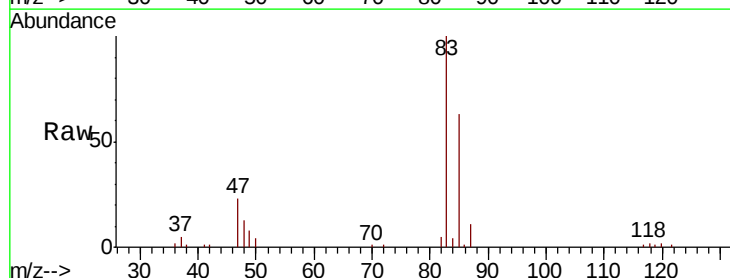


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

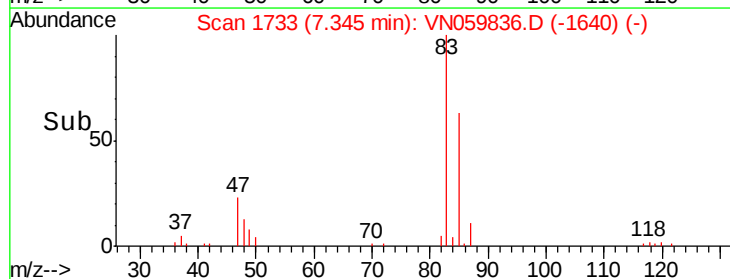
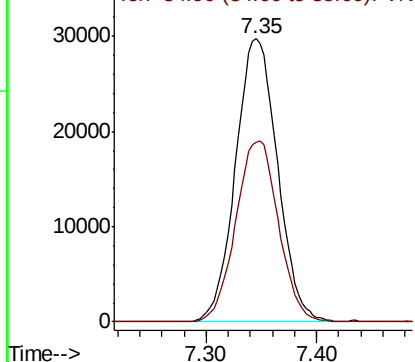


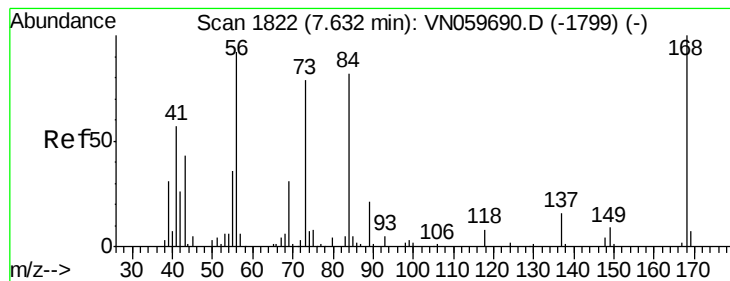
#30
Chloroform
Concen: 21.276 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN059836.D
Acq: 24 Jan 2020 11:17

Tgt Ion: 83 Resp: 78544
Ion Ratio Lower Upper
83 100
85 63.4 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: 18.719 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VN059836.D

Acq: 24 Jan 2020 11:17

Instrument :
MSVOA_N
ClientSampled :

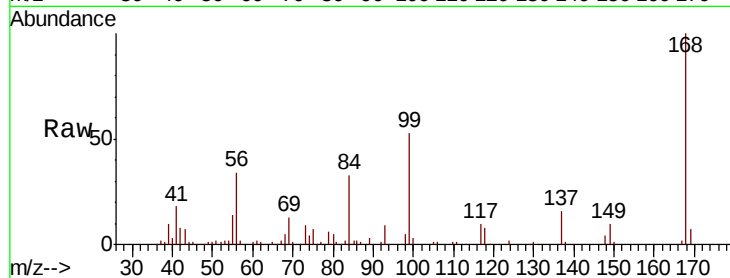
Tot Ion: 56 Resp: 64175

Ion Ratio Lower Upper

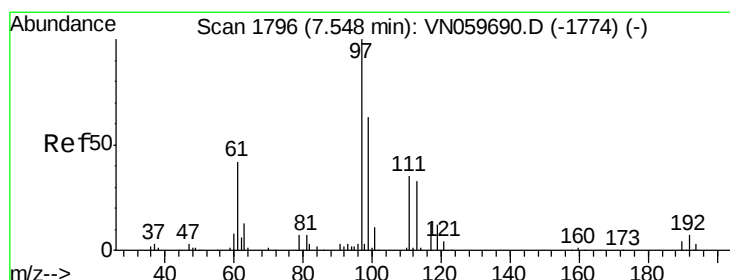
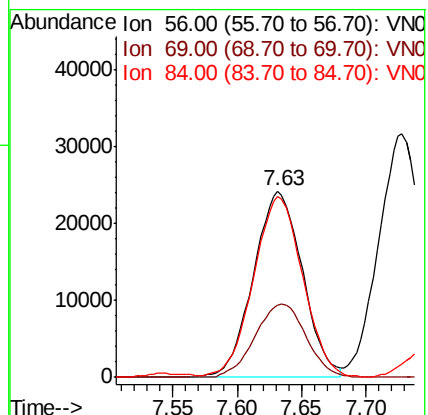
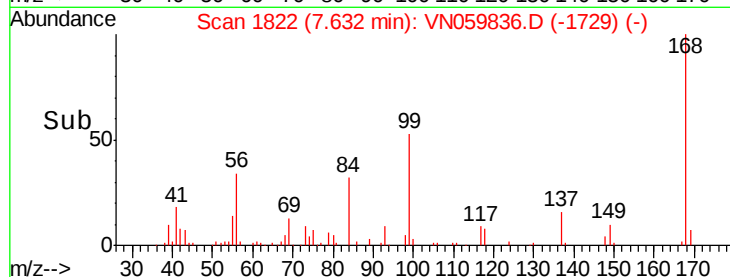
56 100

69 38.4 26.5 39.7

84 95.4 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: 20.862 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VN059836.D

Acq: 24 Jan 2020 11:17

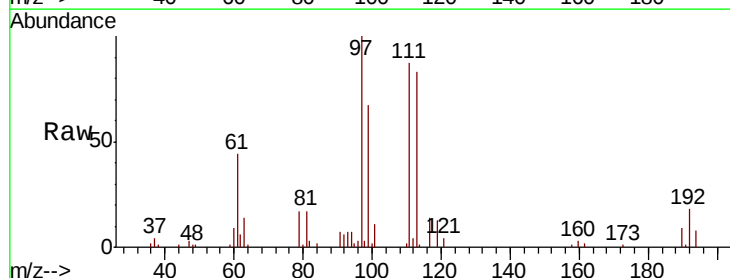
Tgt Ion: 97 Resp: 71207

Ion Ratio Lower Upper

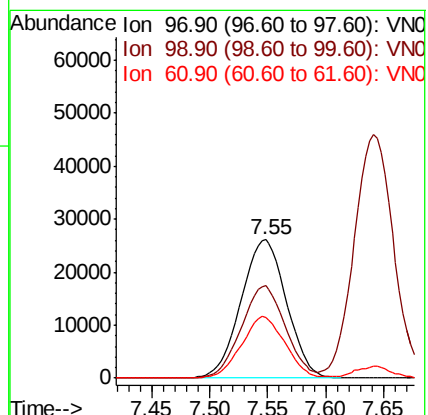
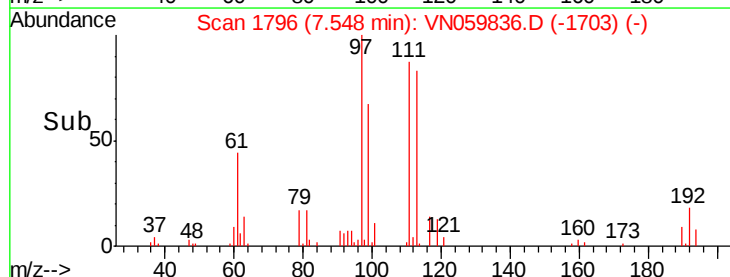
97 100

99 64.7 51.0 76.4

61 42.6 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

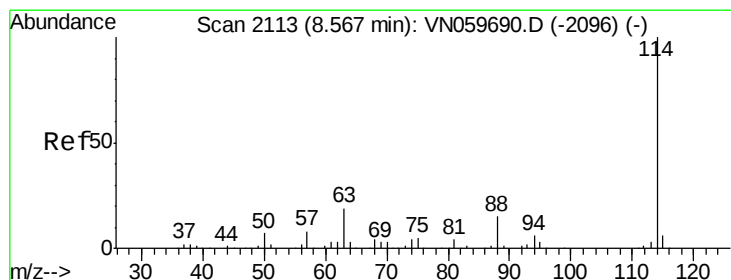
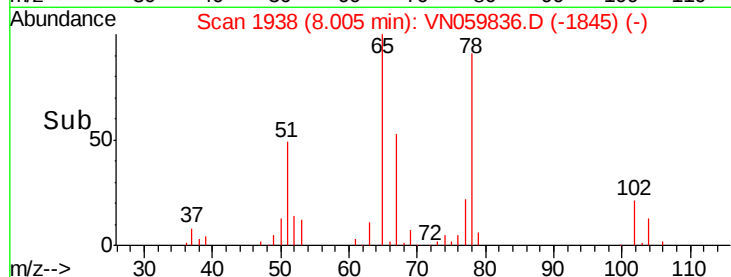
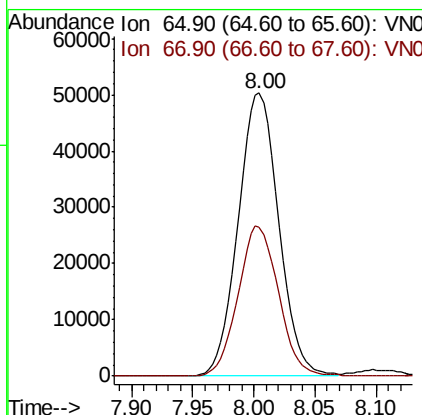
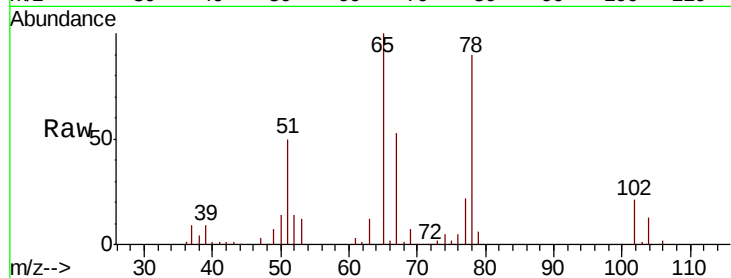




#33
 1,2-Dichloroethane-d4
 Concen: 49.981 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN059836.D
 Acq: 24 Jan 2020 11:17

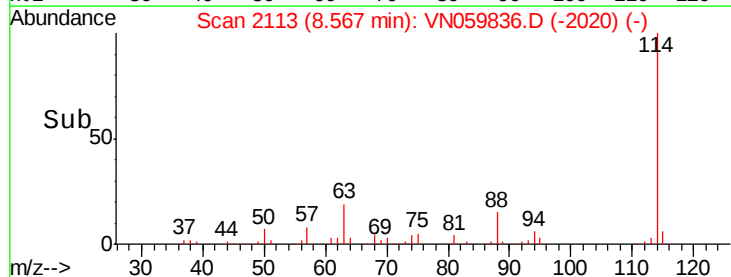
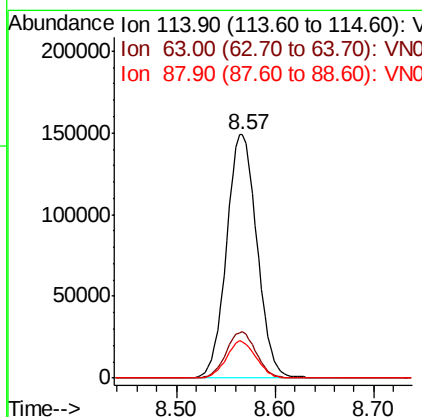
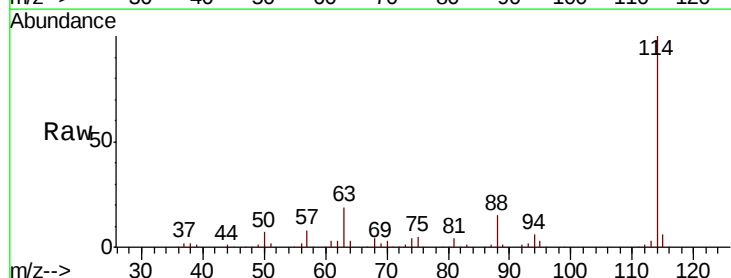
Instrument :
 MSVOA_N
 ClientSampleId :

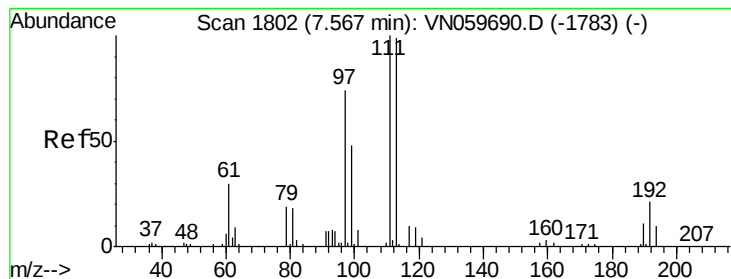
Tot Ion: 65 Resp: 115815
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059836.D
 Acq: 24 Jan 2020 11:17

Tgt Ion: 114 Resp: 319423
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 43.6
 88 15.0 0.0 31.4





#35

Dibromofluoromethane

Concen: 50.948 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN059836.D

Acq: 24 Jan 2020 11:17

Instrument :

MSVOA_N

ClientSampleId :

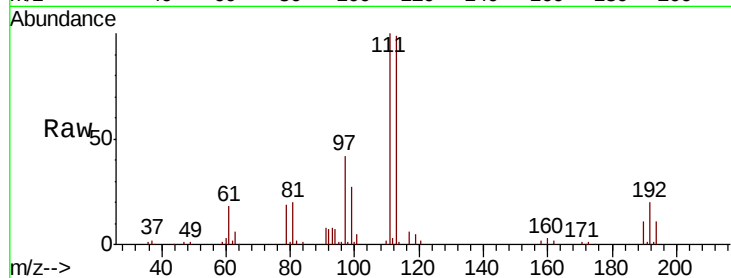
Tot Ion:113 Resp: 97048

Ion Ratio Lower Upper

113 100

111 104.9 83.5 125.3

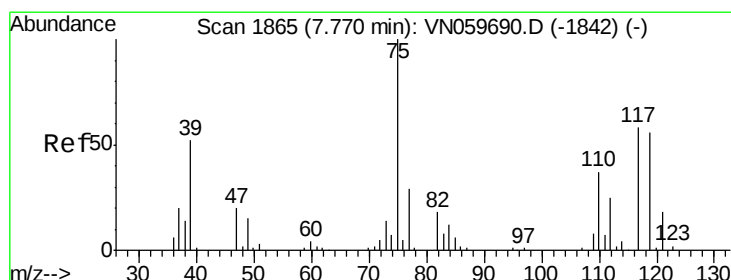
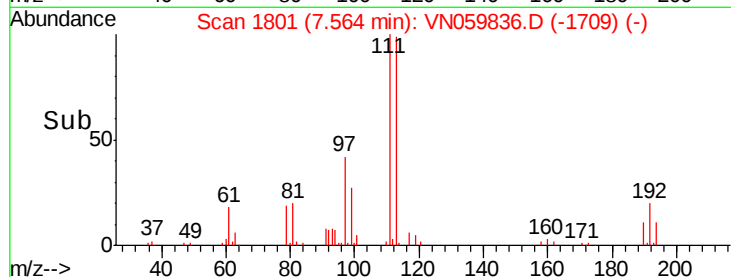
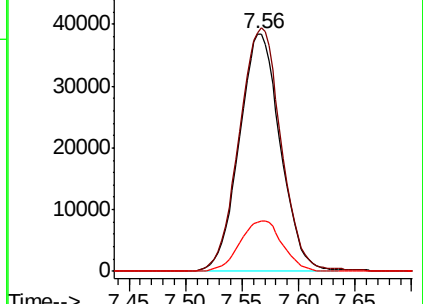
192 21.8 15.4 23.2



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: 20.359 ug/l

RT: 7.77 min Scan# 1865

Delta R.T. 0.00 min

Lab File: VN059836.D

Acq: 24 Jan 2020 11:17

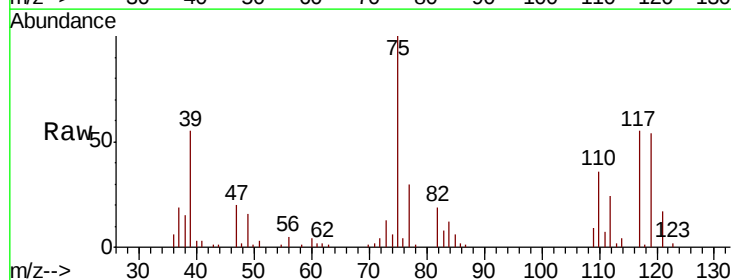
Tgt Ion: 75 Resp: 56633

Ion Ratio Lower Upper

75 100

110 37.2 16.6 49.7

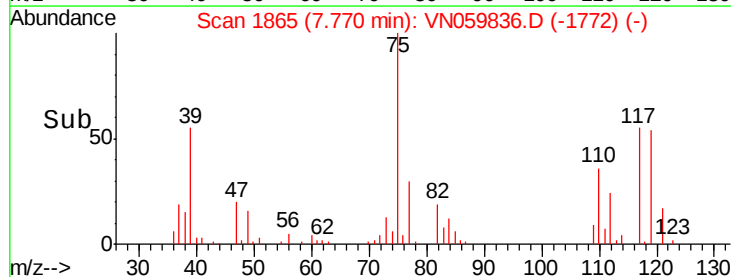
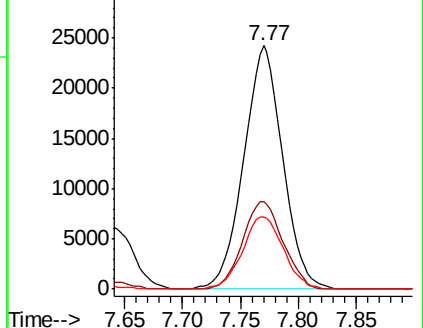
77 31.1 25.1 37.7

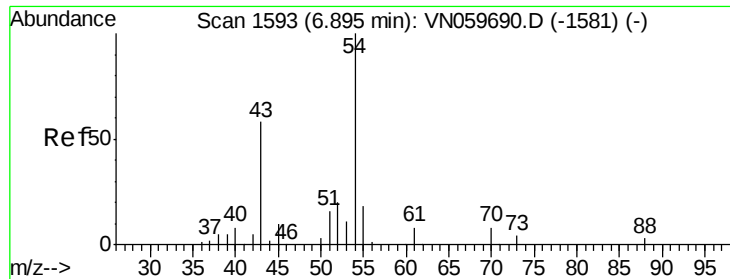


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

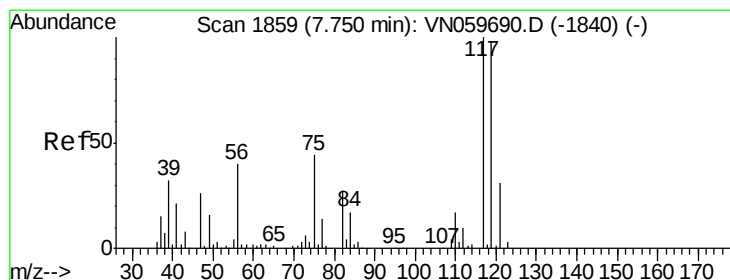
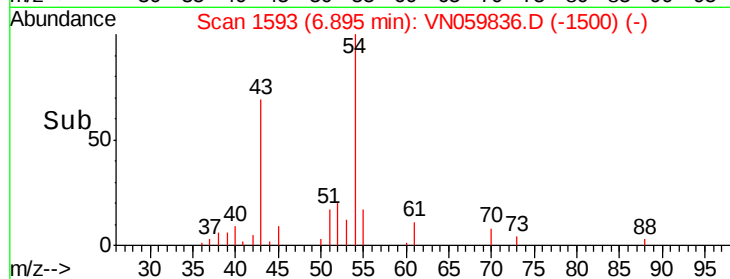
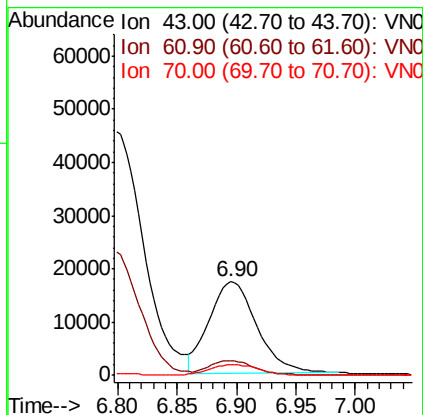
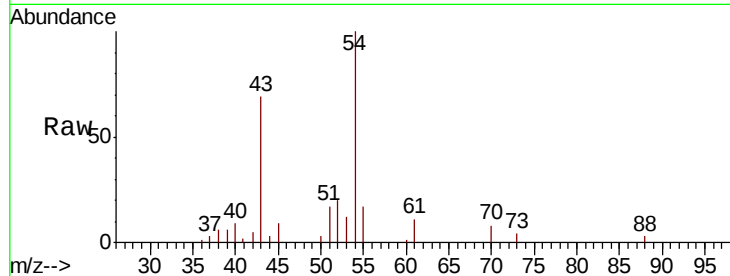




#37
Ethyl Acetate
Concen: 18.616 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. 0.00 min
Lab File: VN059836.D
Acq: 24 Jan 2020 11:17

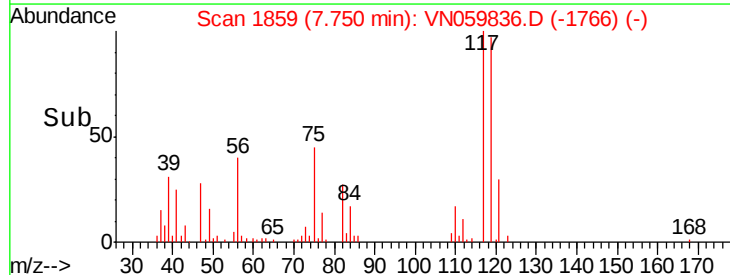
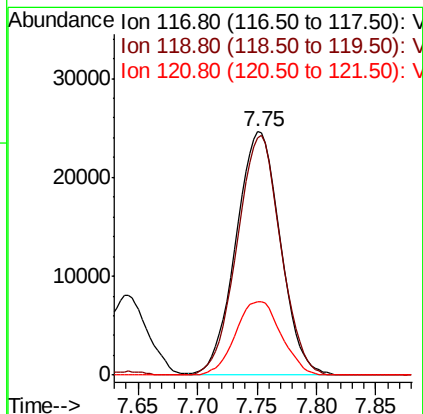
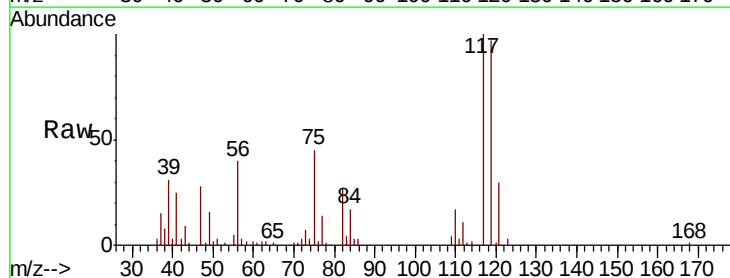
Instrument :
MSVOA_N
ClientSampled :

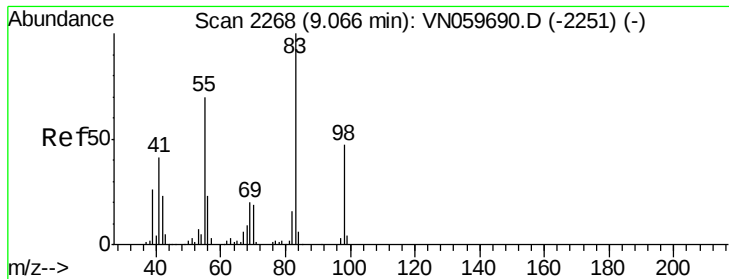
Tot Ion: 43 Resp: 48569
Ion Ratio Lower Upper
43 100
61 15.4 10.9 16.3
70 12.0 7.7 11.5#



#38
Carbon Tetrachloride
Concen: 21.003 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN059836.D
Acq: 24 Jan 2020 11:17

Tgt Ion: 117 Resp: 63553
Ion Ratio Lower Upper
117 100
119 97.4 76.5 114.7
121 30.2 25.1 37.7

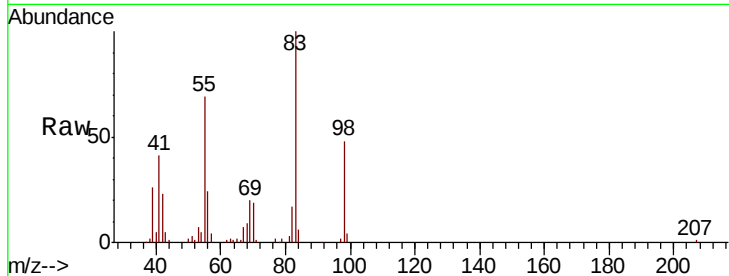




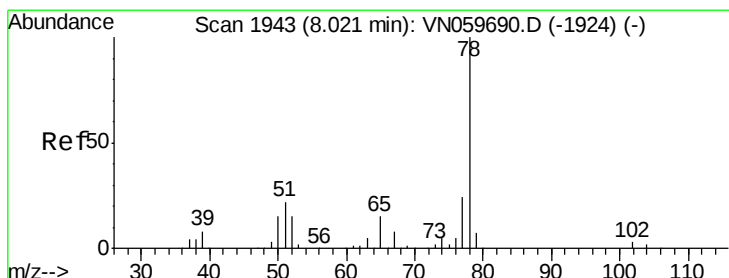
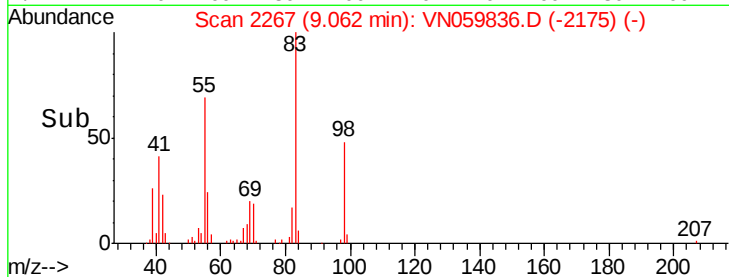
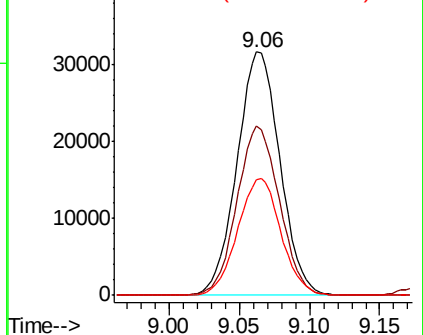
#39
Methvlcvclohexane
Concen: 19.700 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059836.D
Acq: 24 Jan 2020 11:17

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 67568
Ion Ratio Lower Upper
83 100
55 69.3 64.2 96.2
98 47.6 35.9 53.9

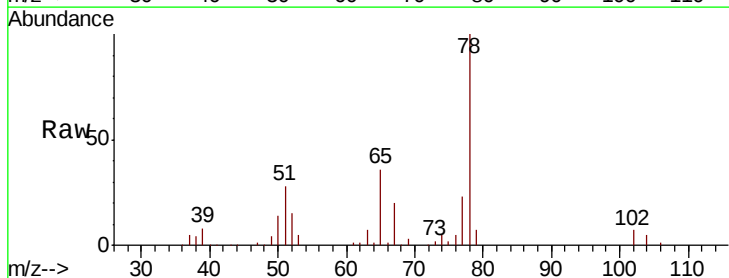


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

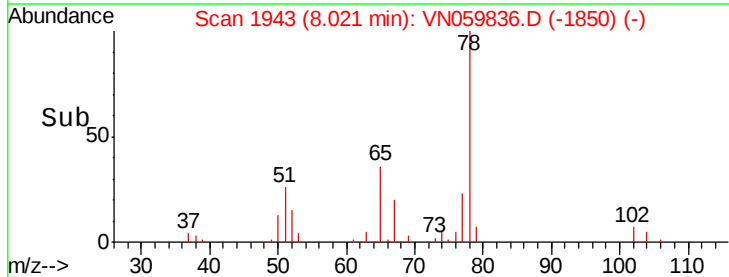
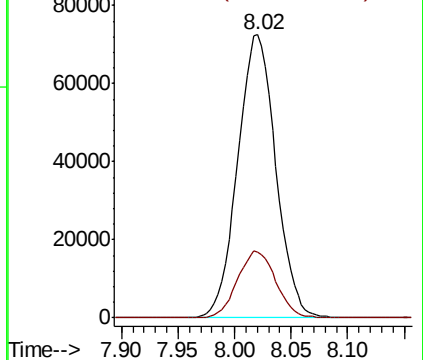


#40
Benzene
Concen: 20.501 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN059836.D
Acq: 24 Jan 2020 11:17

Tgt Ion: 78 Resp: 170070
Ion Ratio Lower Upper
78 100
77 23.4 18.9 28.3



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

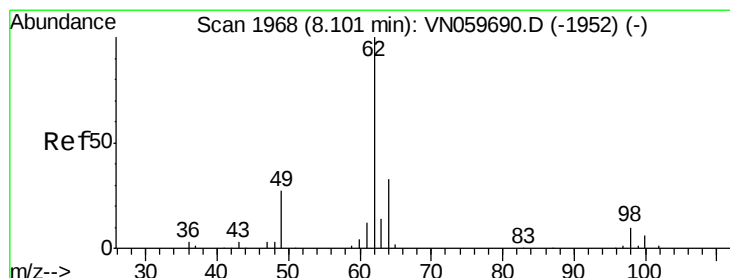
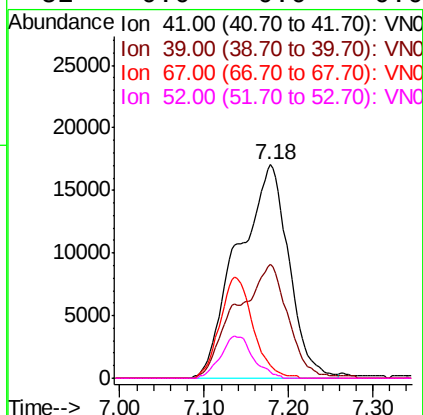
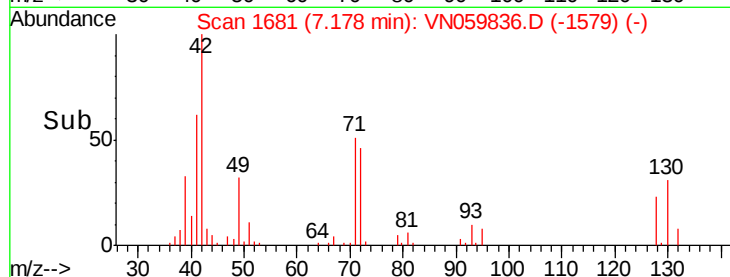
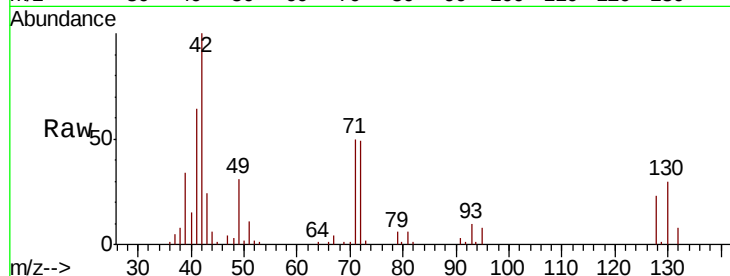




#41
Methacrylonitrile
Concen: 55.772 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.03 min
Lab File: VN059836.D
Acq: 24 Jan 2020 11:17

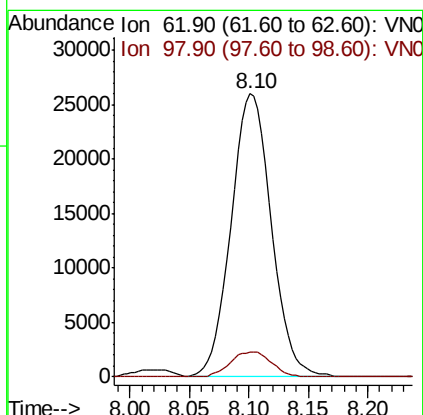
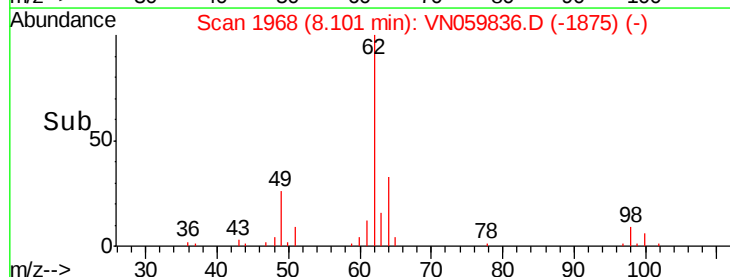
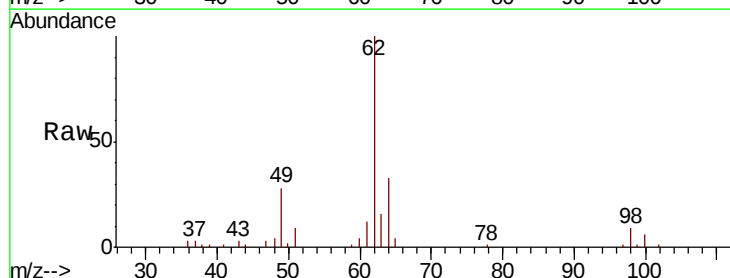
Instrument :
MSVOA_N
ClientSampleId :

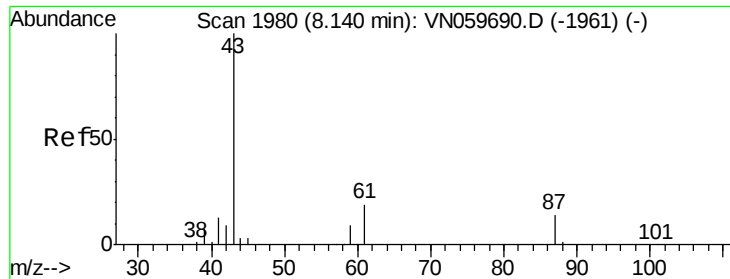
Tot Ion:	41	Resp:	71670
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 21.694 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN059836.D
Acq: 24 Jan 2020 11:17

Tgt Ion:	62	Resp:	61021
Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	15.8





#43

Isopropyl Acetate

Concen: 19.742 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN059836.D

Acq: 24 Jan 2020 11:17

Instrument :

MSVOA_N

ClientSampled :

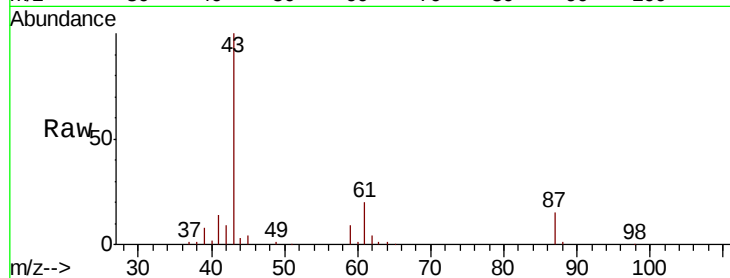
Tot Ion: 43 Resp: 88592

Ion Ratio Lower Upper

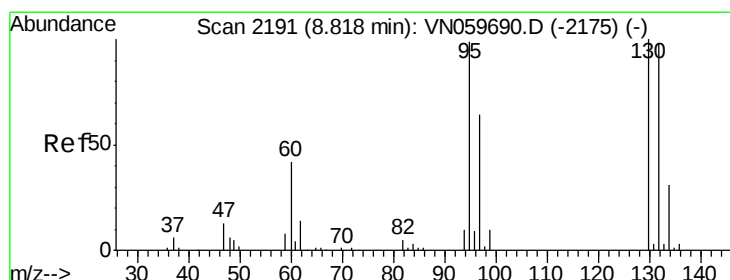
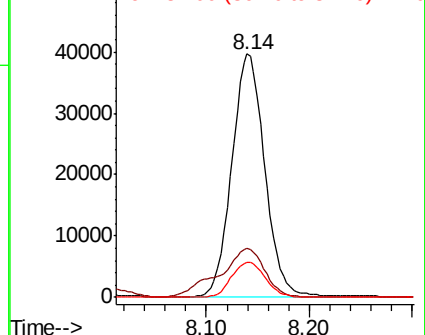
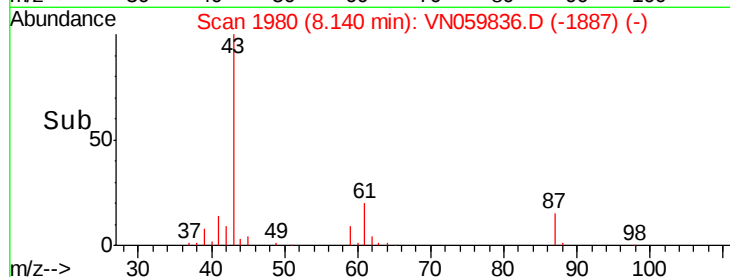
43 100

61 27.5 20.2 30.2

87 14.7 9.5 14.3#



Abundance Ion 43.00 (42.70 to 43.70): VN059836.D (-1987) (-)



#44

Trichloroethene

Concen: 22.392 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. 0.00 min

Lab File: VN059836.D

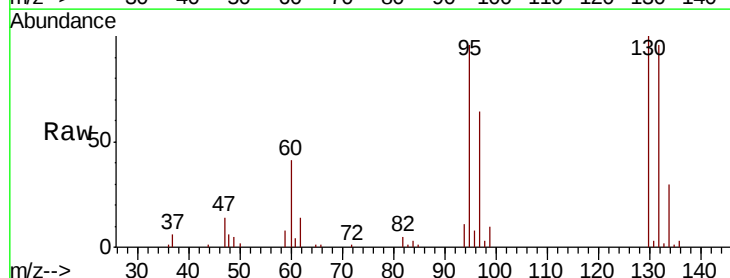
Acq: 24 Jan 2020 11:17

Tgt Ion:130 Resp: 50710

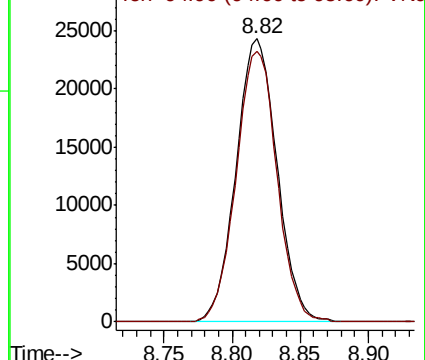
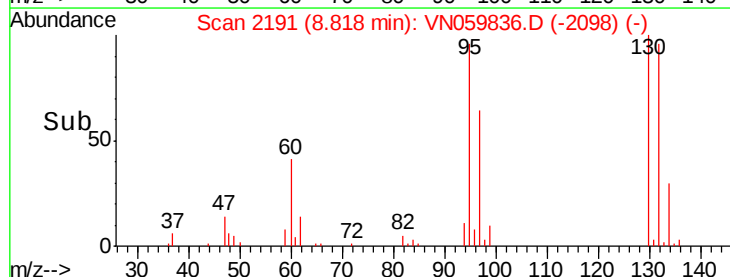
Ion Ratio Lower Upper

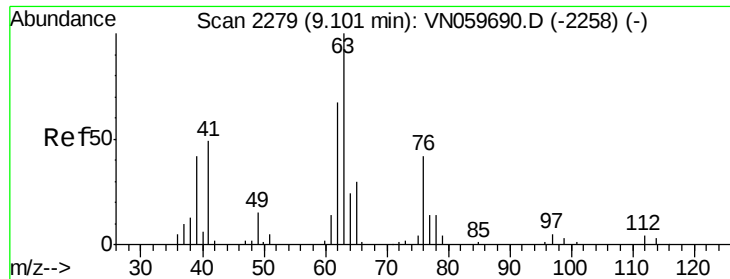
130 100

95 95.7 0.0 207.0



Abundance Ion 129.80 (129.50 to 130.50): VN059836.D (-2098) (-)

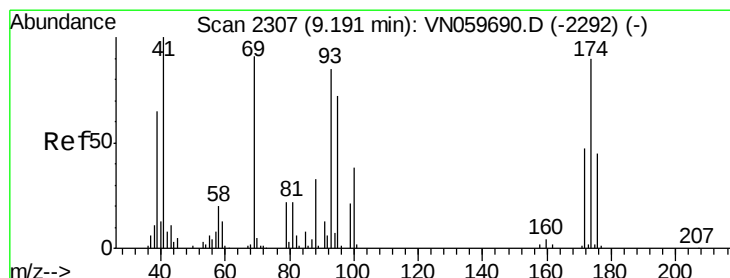
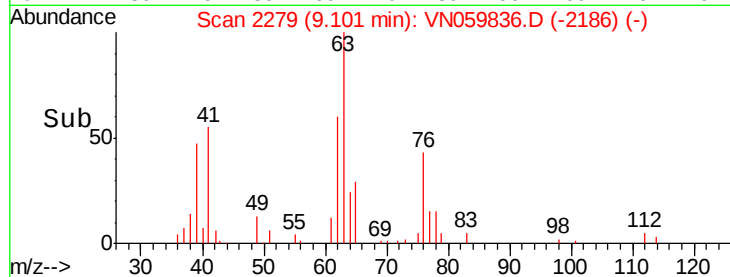
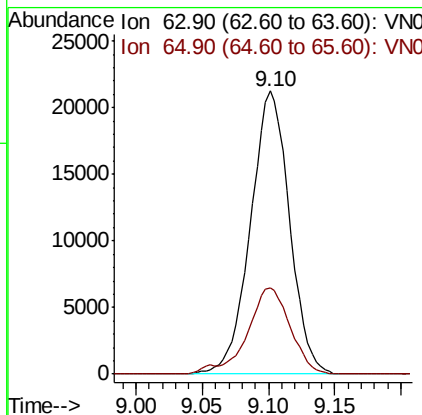
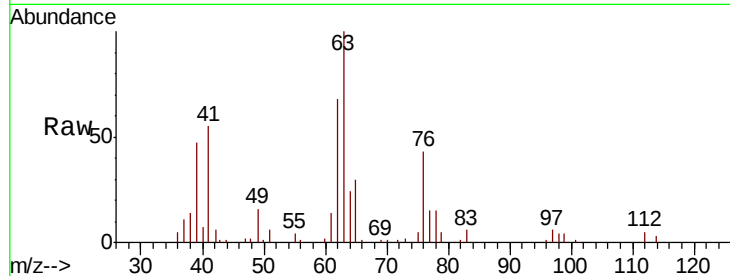




#45
 1,2-Dichloropropane
 Concen: 21.257 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN059836.D
 Acq: 24 Jan 2020 11:17

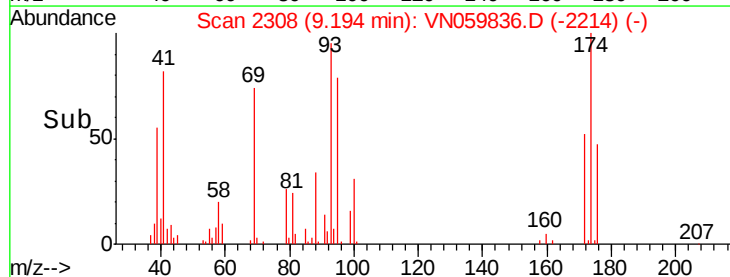
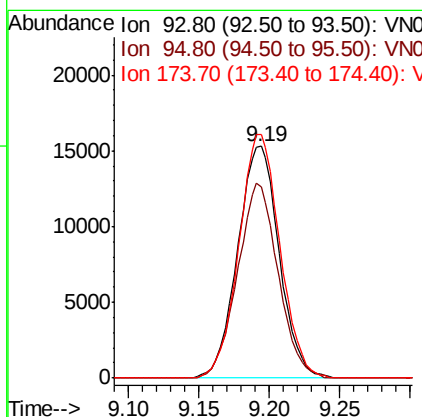
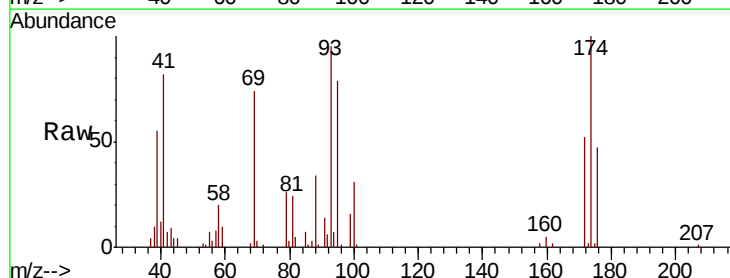
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 63 Resp: 43637
 Ion Ratio Lower Upper
 63 100
 65 30.4 24.9 37.3



#46
 Dibromomethane
 Concen: 21.796 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN059836.D
 Acq: 24 Jan 2020 11:17

Tgt Ion: 93 Resp: 31563
 Ion Ratio Lower Upper
 93 100
 95 81.9 67.0 100.6
 174 103.6 73.4 110.2

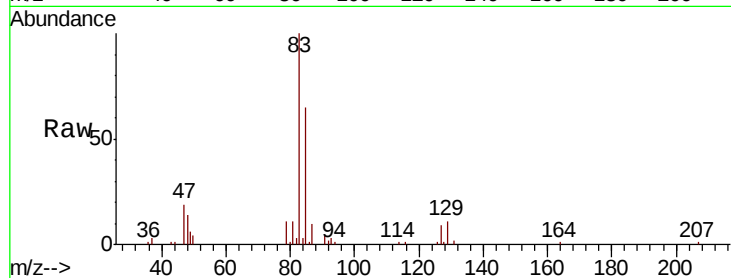




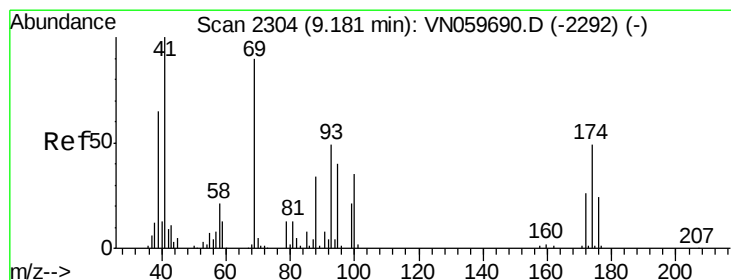
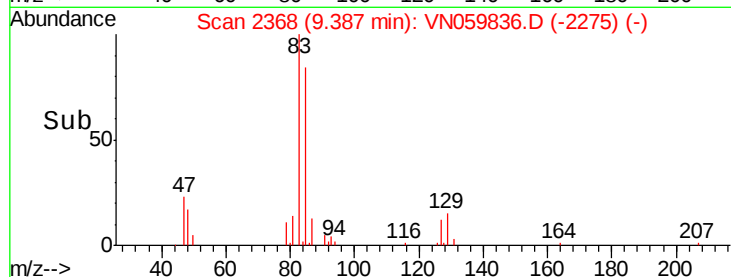
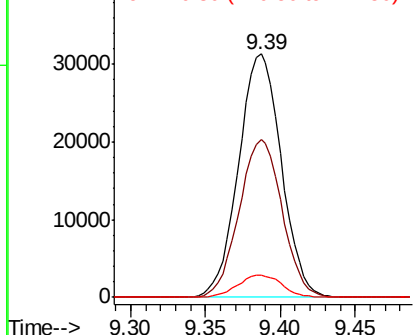
#47
Bromodichloromethane
Concen: 21.363 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN059836.D
Acq: 24 Jan 2020 11:17

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 83 Resp: 62340
Ion Ratio Lower Upper
83 100
85 64.9 51.1 76.7
127 8.9 6.6 9.8

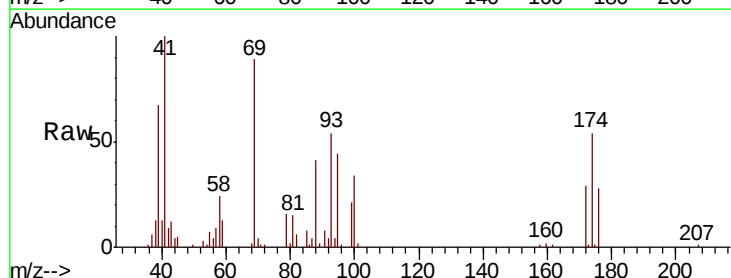


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0

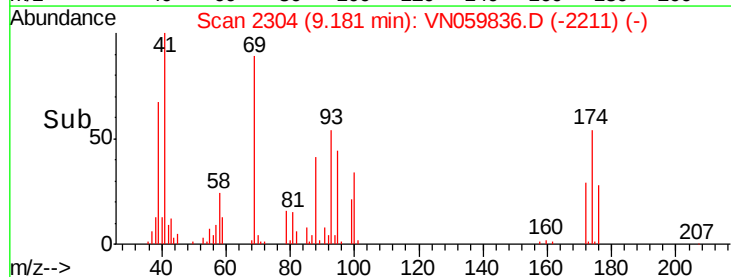
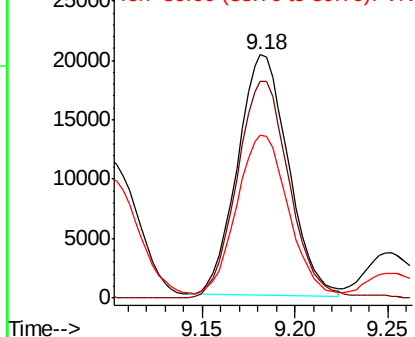


#48
Methyl methacrylate
Concen: 19.075 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN059836.D
Acq: 24 Jan 2020 11:17

Tgt Ion: 41 Resp: 38289
Ion Ratio Lower Upper
41 100
69 93.8 64.4 96.6
39 66.7 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

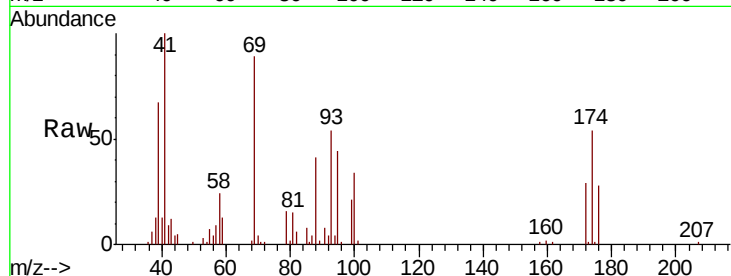




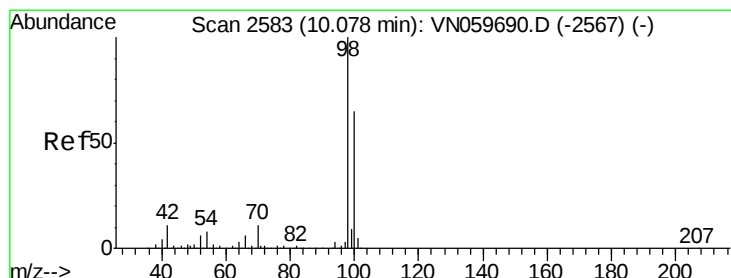
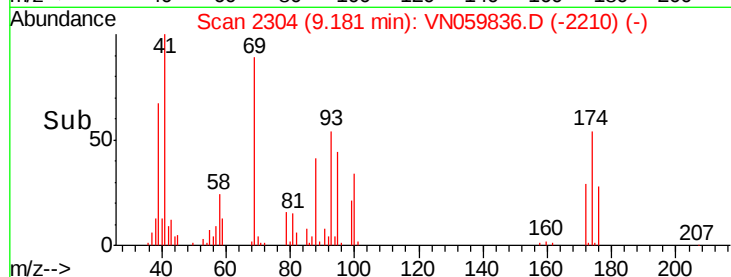
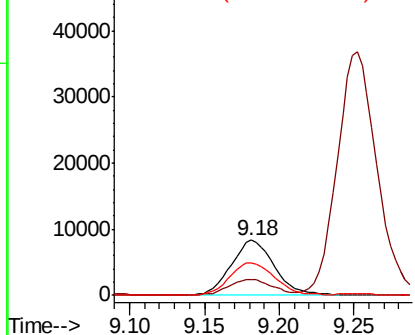
#49
1,4-Dioxane
Concen: 454.451 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN059836.D
Acq: 24 Jan 2020 11:17

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 88 Resp: 16699
Ion Ratio Lower Upper
88 100
43 29.7 29.7 44.5
58 61.9 56.6 85.0

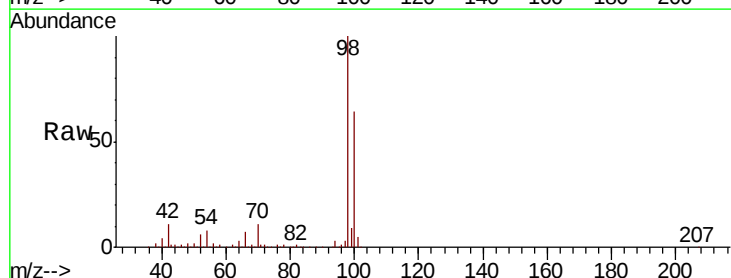


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

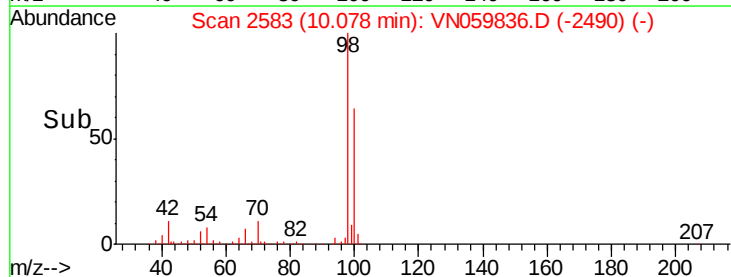
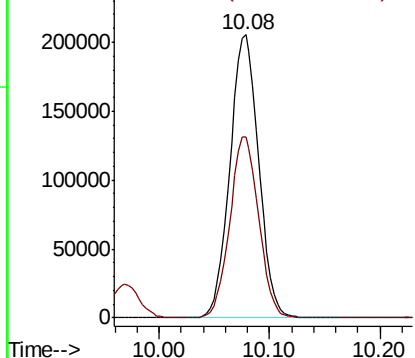


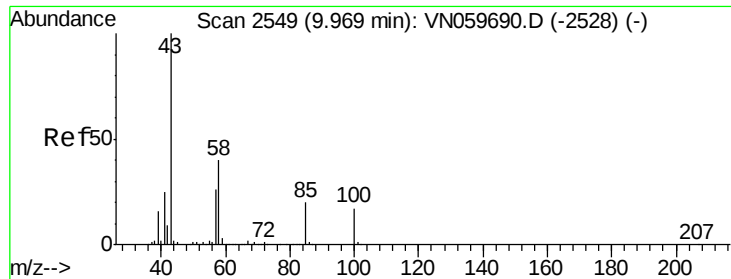
#50
Toluene-d8
Concen: 50.246 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN059836.D
Acq: 24 Jan 2020 11:17

Tgt Ion: 98 Resp: 370833
Ion Ratio Lower Upper
98 100
100 64.0 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: 97.590 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN059836.D

Acq: 24 Jan 2020 11:17

Instrument :

MSVOA_N

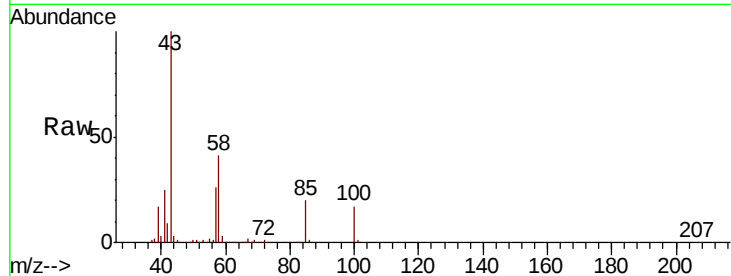
ClientSampleId :

Tot Ion: 43 Resp: 253156

Ion Ratio Lower Upper

43 100

58 40.9 29.8 44.8



Abundance Ion 43.00 (42.70 to 43.70): VN059690.D (-2528) (-)

Ion 58.00 (57.70 to 58.70): VN059690.D (-2528) (-)

150000

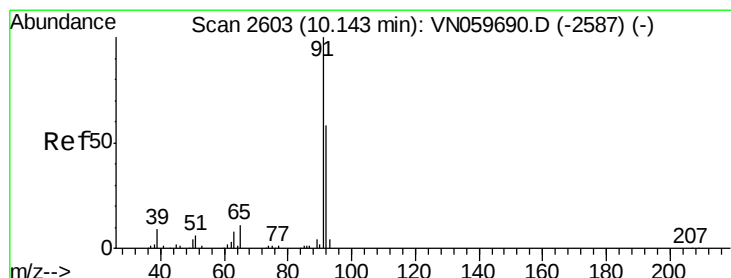
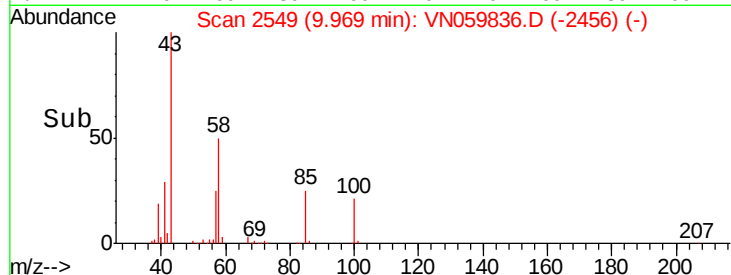
100000

50000

0

9.90 9.97 10.00

Time-->



#52

Toluene

Concen: 21.023 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN059836.D

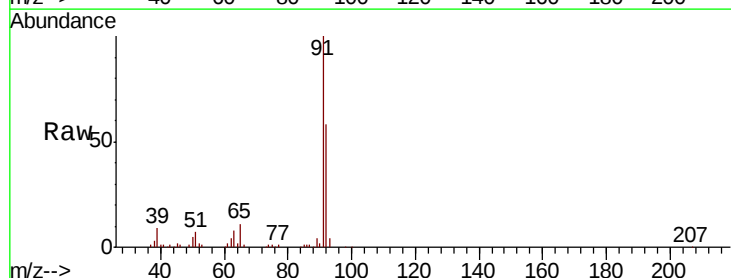
Acq: 24 Jan 2020 11:17

Tgt Ion: 92 Resp: 110161

Ion Ratio Lower Upper

92 100

91 174.1 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VN059690.D (-2587) (-)

Ion 91.00 (90.70 to 91.70): VN059690.D (-2587) (-)

120000

100000

80000

60000

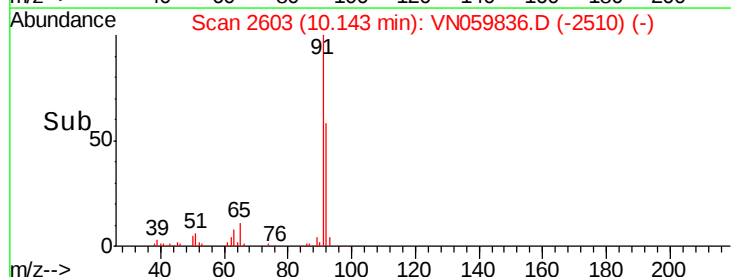
40000

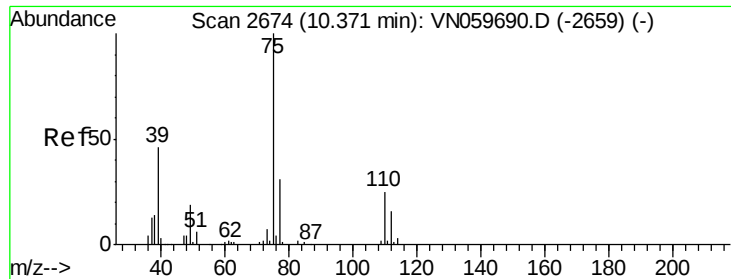
20000

0

10.05 10.10 10.14 10.20

Time-->





#53

t-1,3-Dichloropropene

Concen: 21.011 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. 0.00 min

Lab File: VN059836.D

Acq: 24 Jan 2020 11:17

Instrument :

MSVOA_N

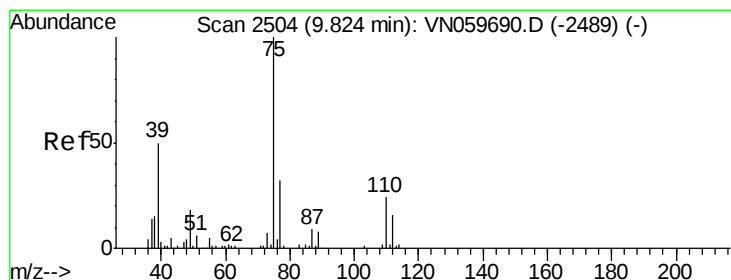
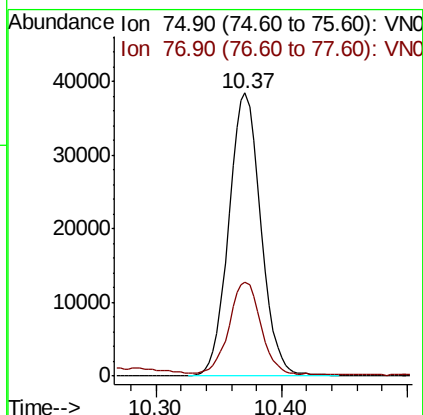
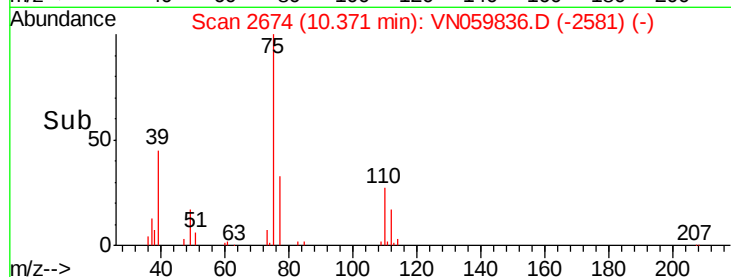
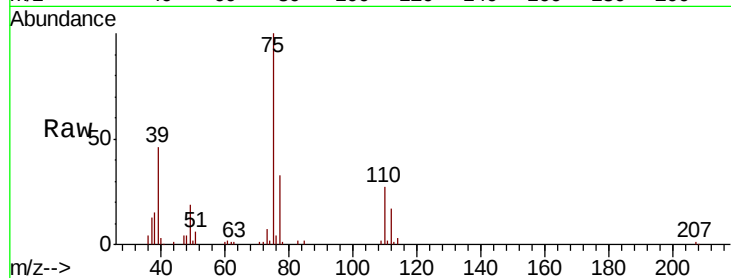
ClientSampleId :

Tot Ion: 75 Resp: 68461

Ion Ratio Lower Upper

75 100

77 32.6 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 21.191 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN059836.D

Acq: 24 Jan 2020 11:17

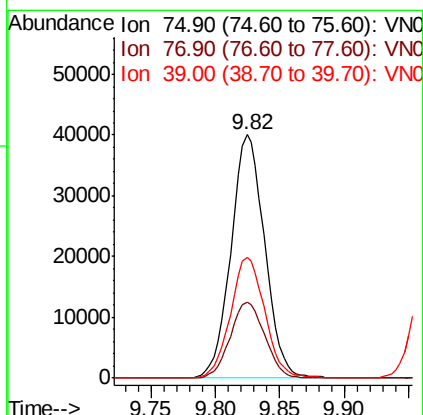
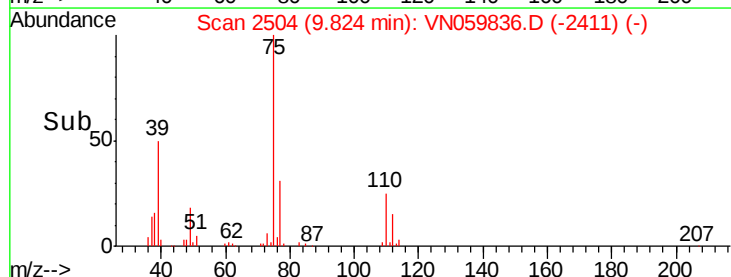
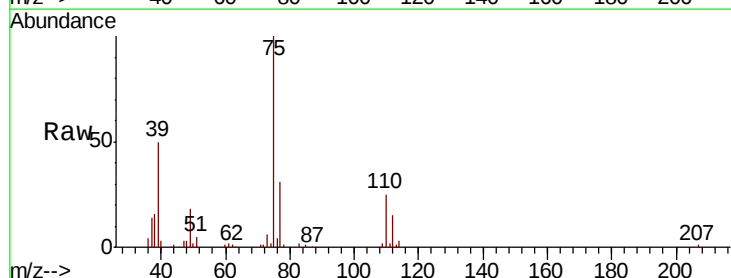
Tgt Ion: 75 Resp: 72651

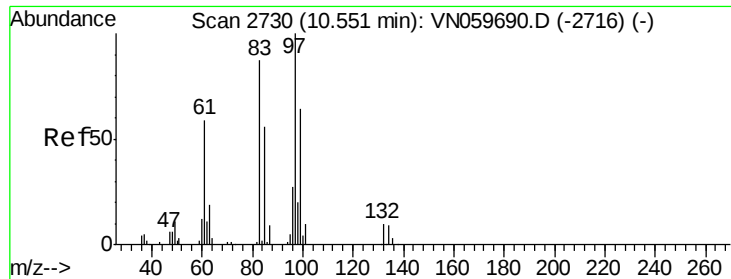
Ion Ratio Lower Upper

75 100

77 31.0 25.1 37.7

39 49.6 46.1 69.1





#55

1,1,2-Trichloroethane

Concen: 21.927 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. 0.00 min

Lab File: VN059836.D

Acq: 24 Jan 2020 11:17

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 45507

Ion	Ratio	Lower	Upper
97	100		
83	81.4	71.3	106.9
85	54.6	45.8	68.8
99	62.1	50.0	75.0

Abundance

Ion 96.90 (96.60 to 97.60): VNO

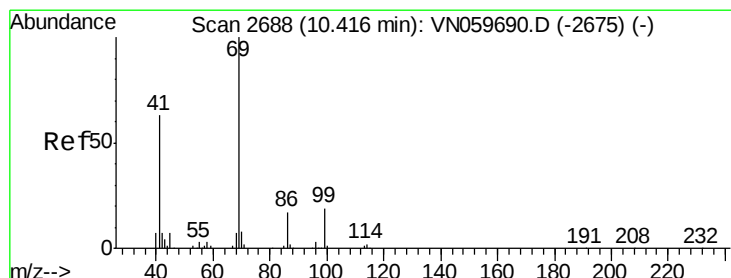
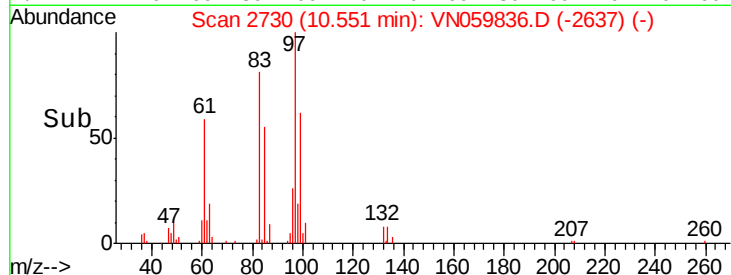
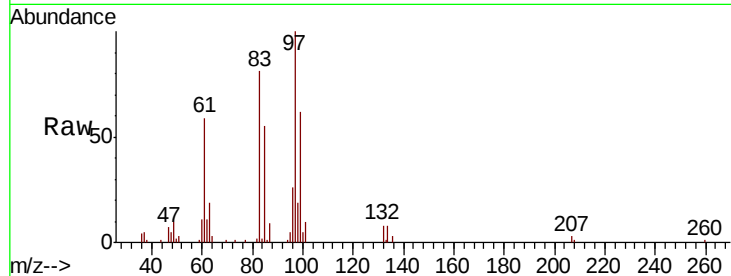
Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO

10.55

Time-->



#56

Ethyl methacrylate

Concen: 19.517 ug/l

RT: 10.42 min Scan# 2689

Delta R.T. 0.00 min

Lab File: VN059836.D

Acq: 24 Jan 2020 11:17

Tgt Ion: 69 Resp: 61892

Ion	Ratio	Lower	Upper
69	100		
41	63.7	57.1	85.7
39	41.1	34.7	52.1

Abundance

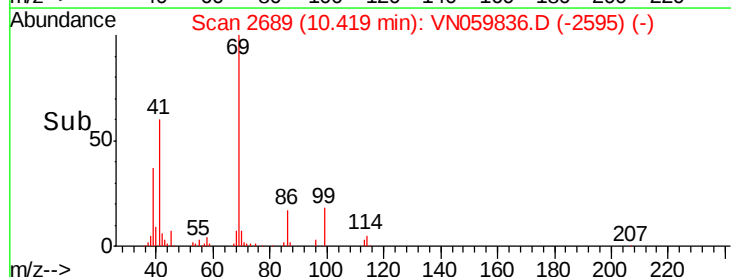
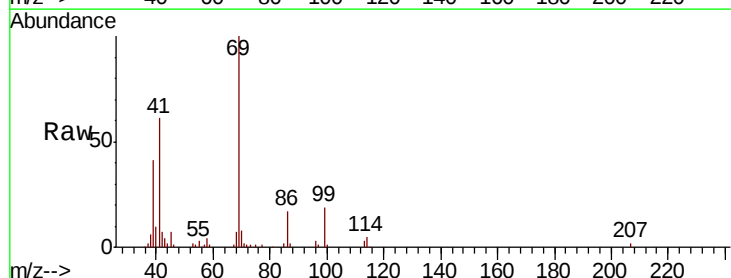
Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

10.42

Time-->





#57

1,3-Dichloropropane

Concen: 21.692 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN059836.D

Acq: 24 Jan 2020 11:17

Instrument :

MSVOA_N

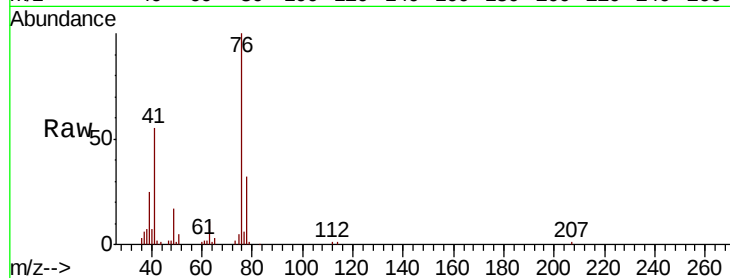
ClientSampled :

Tot Ion: 76 Resp: 71473

Ion Ratio Lower Upper

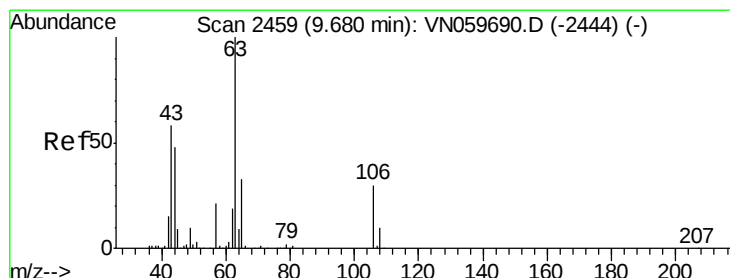
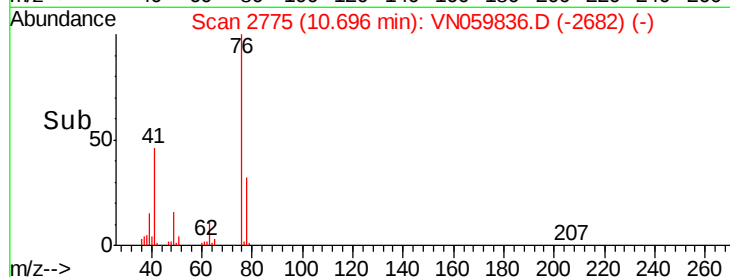
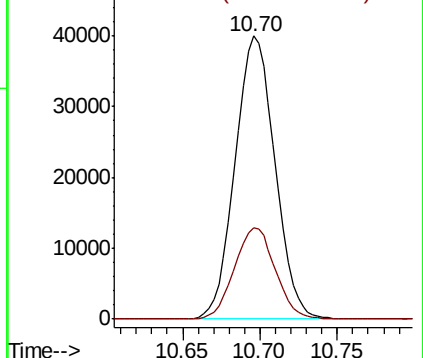
76 100

78 32.9 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: 112.249 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN059836.D

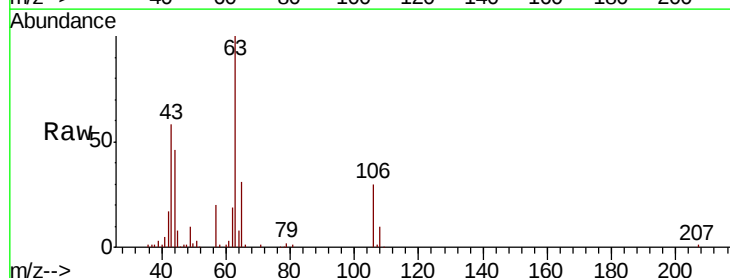
Acq: 24 Jan 2020 11:17

Tgt Ion: 63 Resp: 107217

Ion Ratio Lower Upper

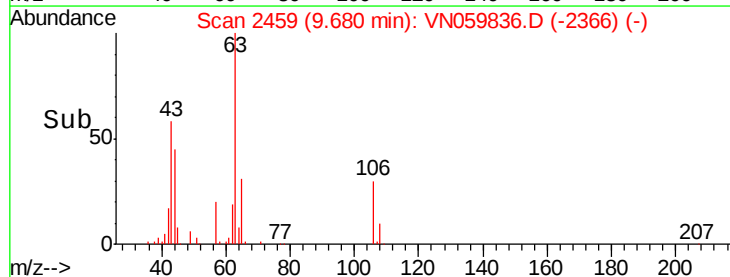
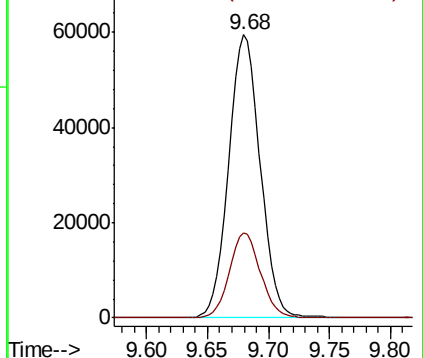
63 100

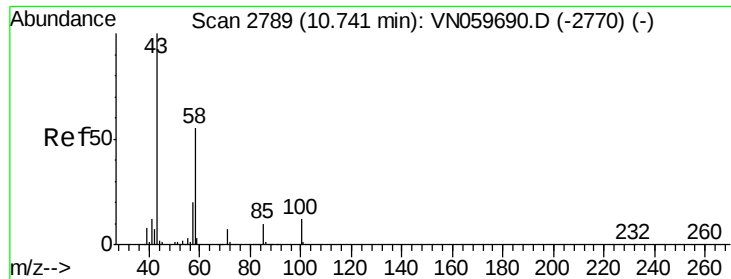
106 29.4 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

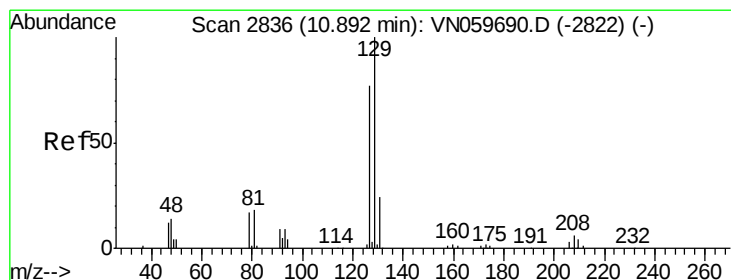
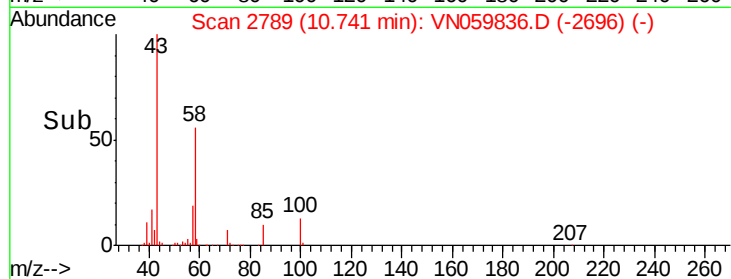
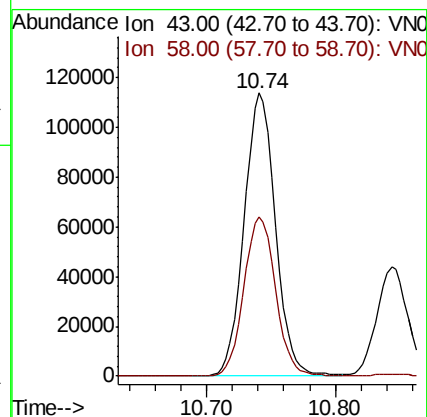
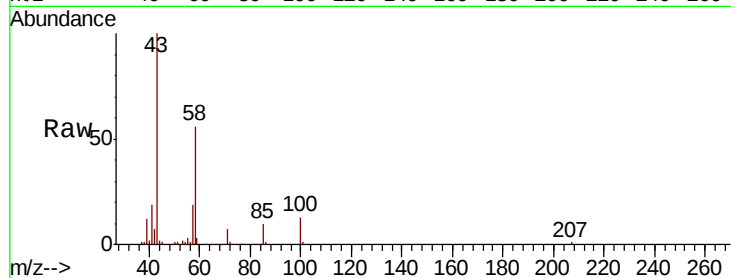




#59
2-Hexanone
Concen: 100.576 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN059836.D
Acq: 24 Jan 2020 11:17

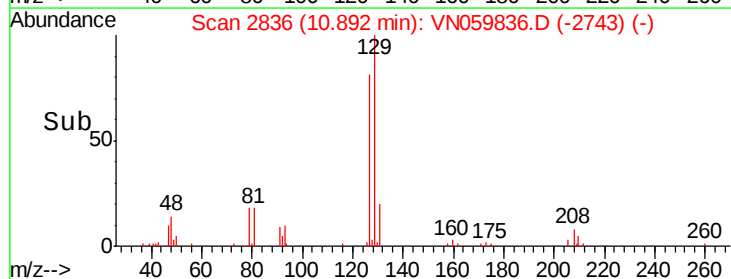
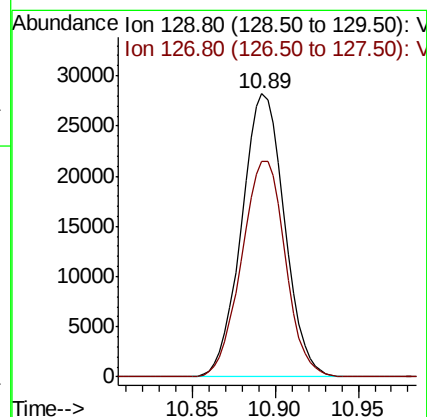
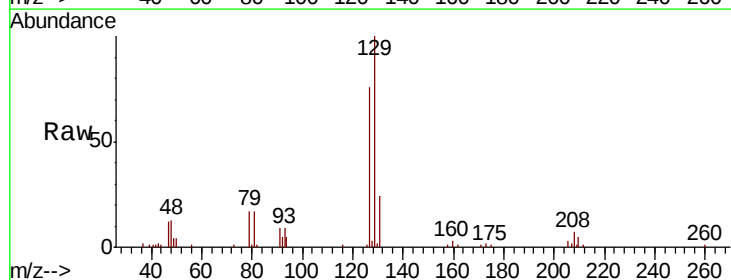
Instrument :
MSVOA_N
ClientSampleId :

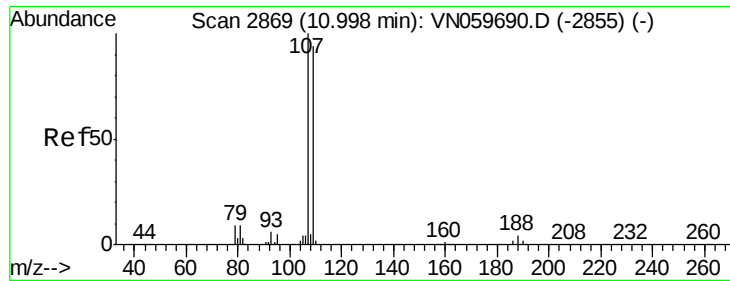
Tot Ion: 43 Resp: 192208
Ion Ratio Lower Upper
43 100
58 57.0 25.8 77.3



#60
Dibromochloromethane
Concen: 21.525 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN059836.D
Acq: 24 Jan 2020 11:17

Tgt Ion: 129 Resp: 50871
Ion Ratio Lower Upper
129 100
127 77.8 38.5 115.5

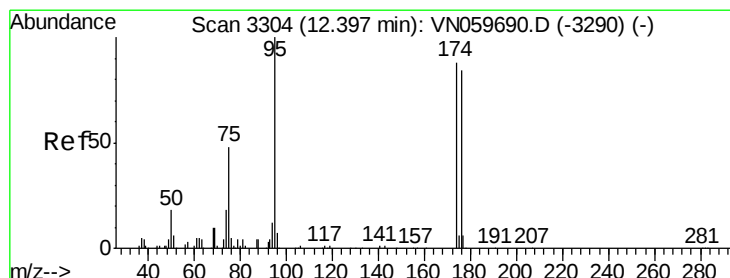
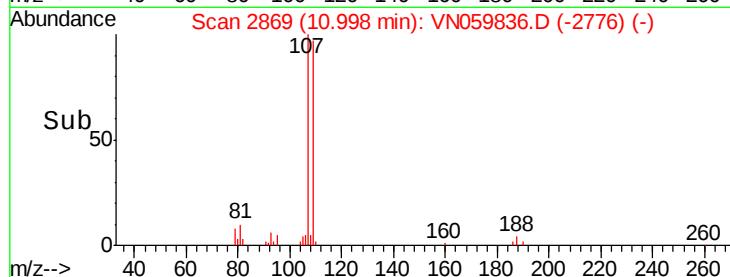
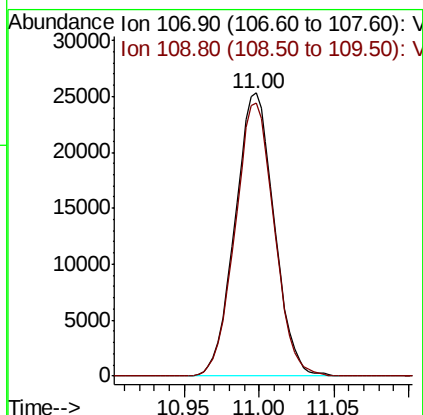
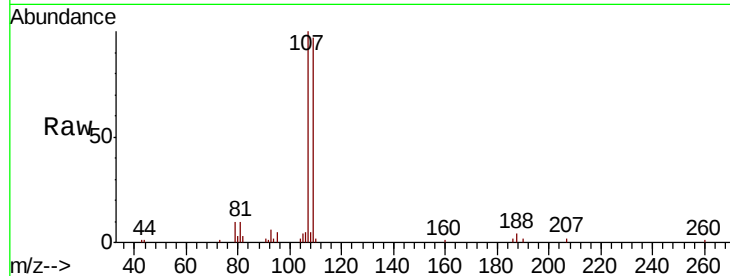




#61
 1,2-Dibromoethane
 Concen: 21.185 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. 0.00 min
 Lab File: VN059836.D
 Acq: 24 Jan 2020 11:17

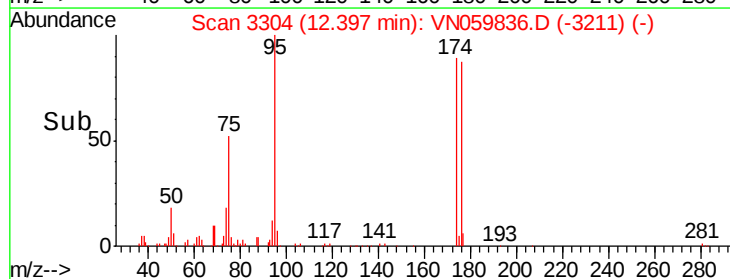
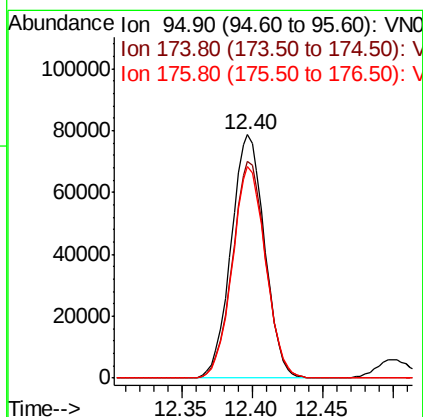
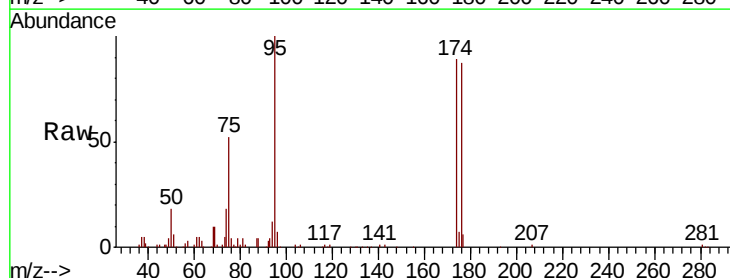
Instrument :
 MSVOA_N
 ClientSampled :

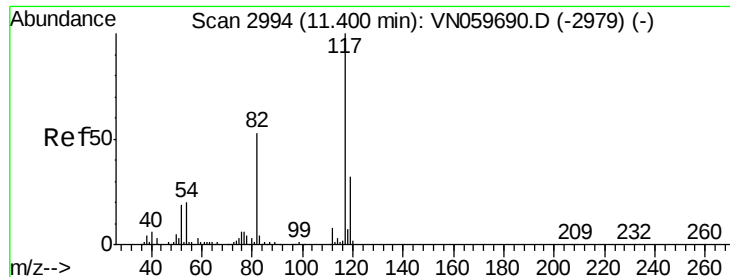
Tot Ion: 107 Resp: 46082
 Ion Ratio Lower Upper
 107 100
 109 96.2 76.6 115.0



#62
 4-Bromofluorobenzene
 Concen: 49.134 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN059836.D
 Acq: 24 Jan 2020 11:17

Tgt Ion: 95 Resp: 130726
 Ion Ratio Lower Upper
 95 100
 174 88.4 0.0 151.4
 176 86.3 0.0 146.0

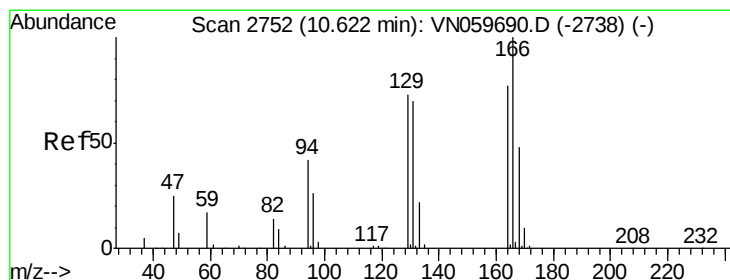
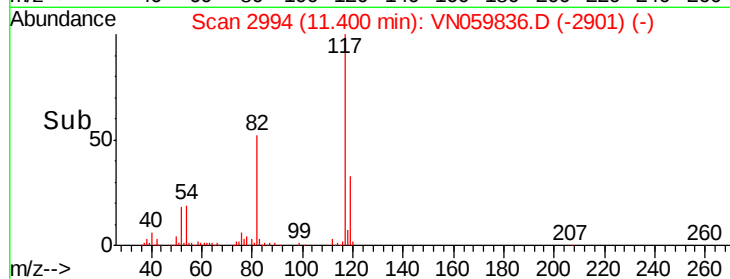
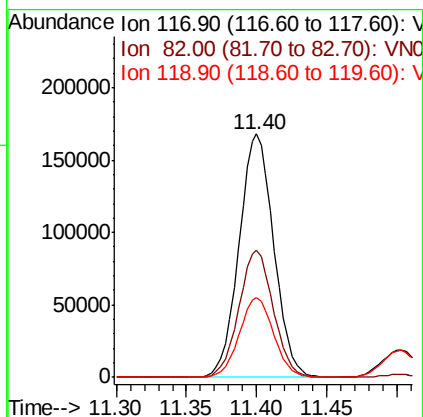
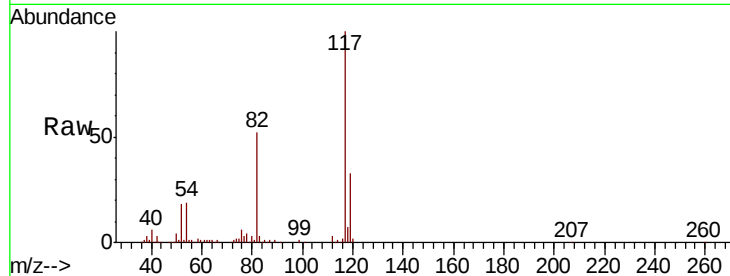




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059836.D
Acq: 24 Jan 2020 11:17

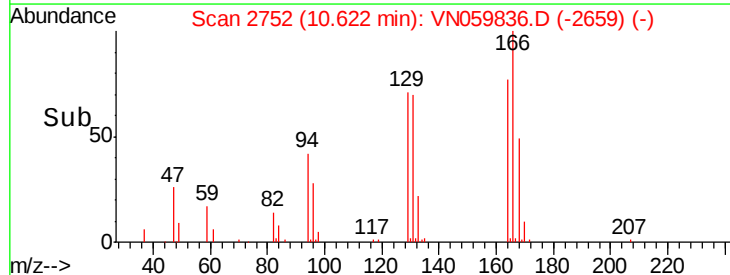
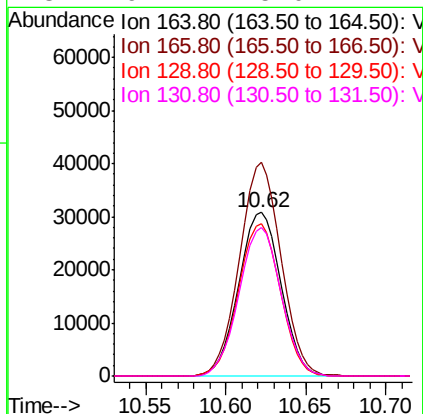
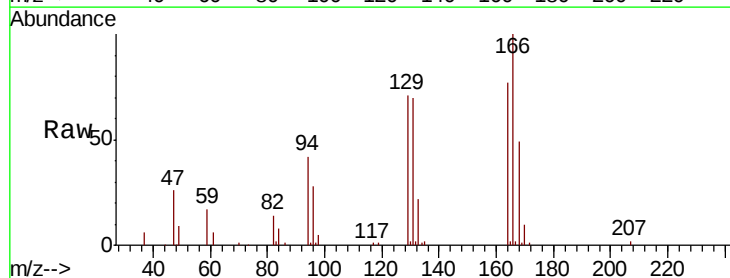
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 289031
Ion Ratio Lower Upper
117 100
82 52.3 45.9 68.9
119 32.6 25.5 38.3



#64
Tetrachloroethene
Concen: 23.589 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN059836.D
Acq: 24 Jan 2020 11:17

Tgt Ion:164 Resp: 55567
Ion Ratio Lower Upper
164 100
166 130.5 101.4 152.0
129 93.0 80.2 120.4
131 91.1 75.0 112.4





#65

Chlorobenzene

Concen: 21.385 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. 0.00 min

Lab File: VN059836.D

Acq: 24 Jan 2020 11:17

Instrument :

MSVOA_N

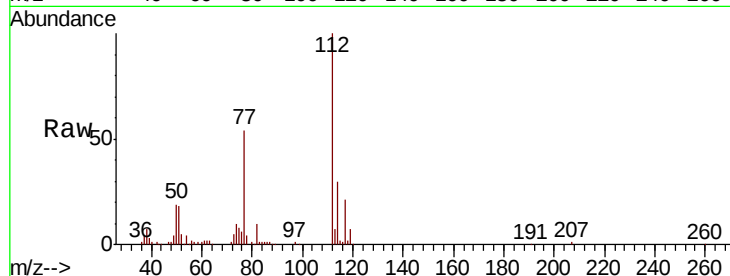
ClientSampled :

Tot Ion:112 Resp: 121487

Ion Ratio Lower Upper

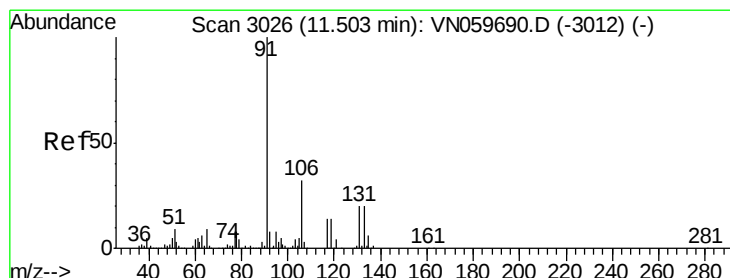
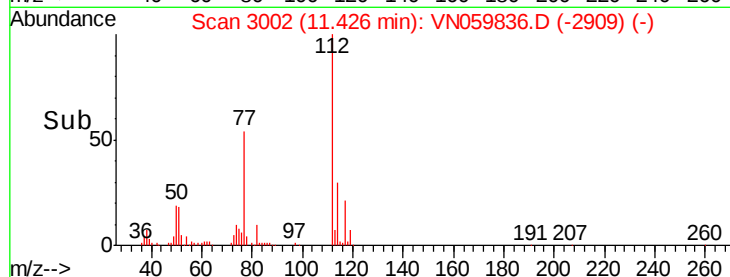
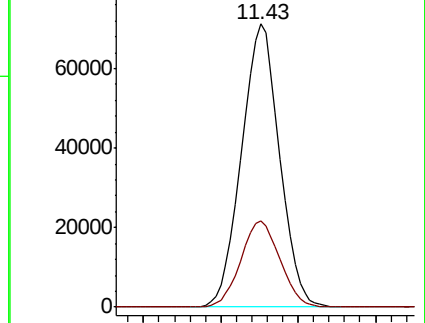
112 100

114 30.4 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: 21.745 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN059836.D

Acq: 24 Jan 2020 11:17

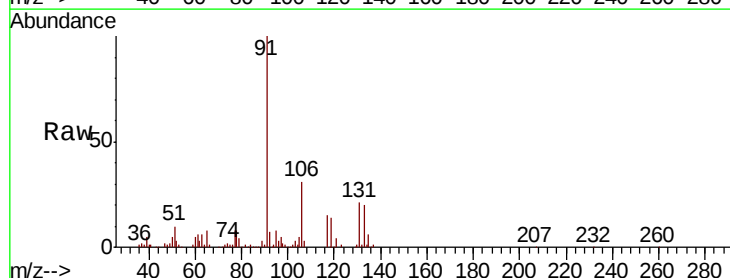
Tgt Ion:131 Resp: 47734

Ion Ratio Lower Upper

131 100

133 96.4 47.4 142.2

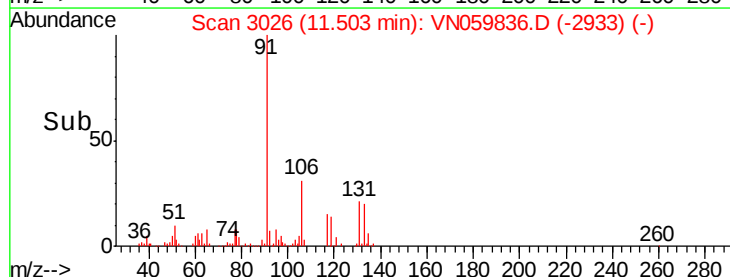
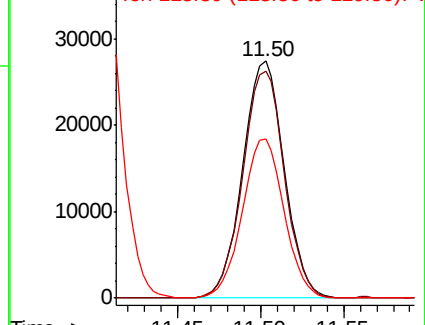
119 67.4 33.1 99.3



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

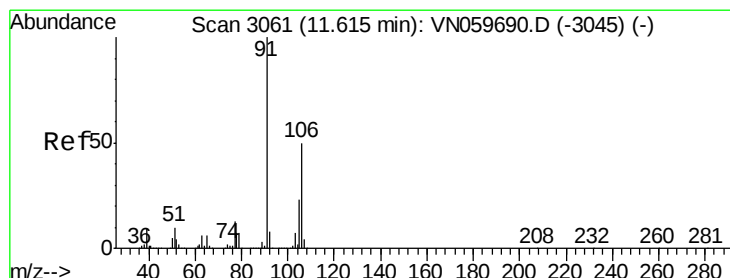
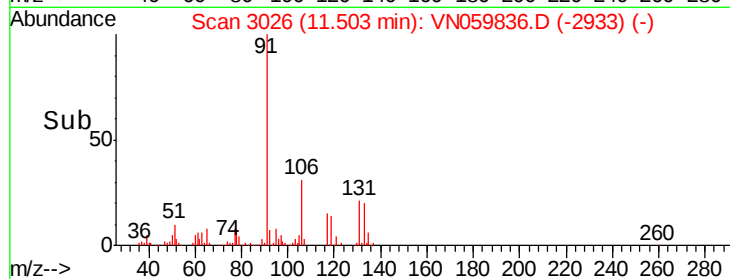
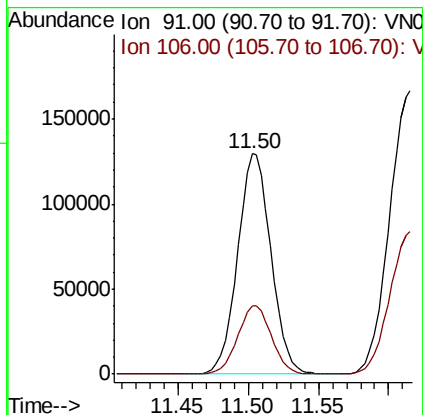
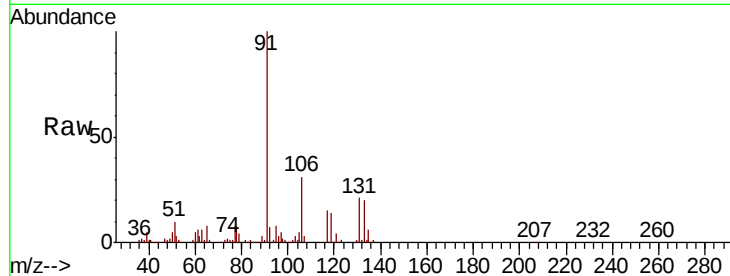




#67
Ethyl Benzene
Concen: 20.776 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN059836.D
Acq: 24 Jan 2020 11:17

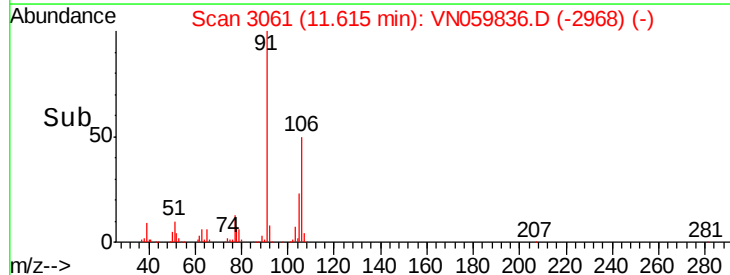
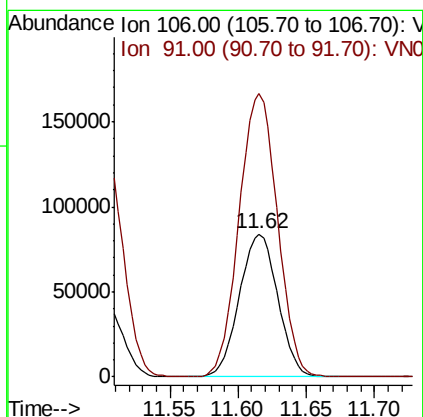
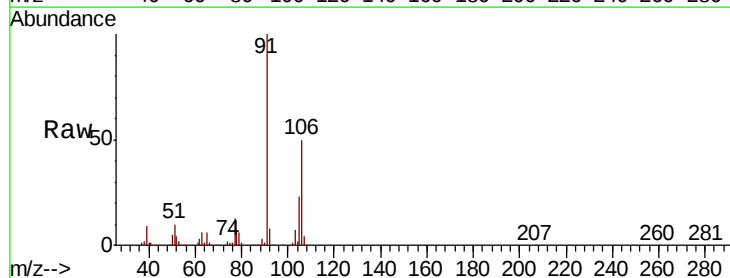
Instrument :
MSVOA_N
ClientSampled :

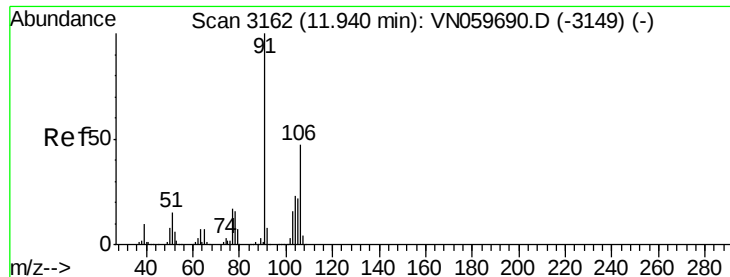
Tot Ion: 91 Resp: 214264
Ion Ratio Lower Upper
91 100
106 31.1 24.1 36.1



#68
m/p-Xylenes
Concen: 42.028 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. 0.00 min
Lab File: VN059836.D
Acq: 24 Jan 2020 11:17

Tgt Ion: 106 Resp: 163725
Ion Ratio Lower Upper
106 100
91 199.2 167.9 251.9

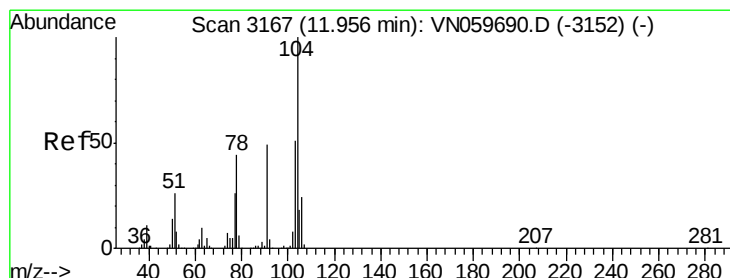
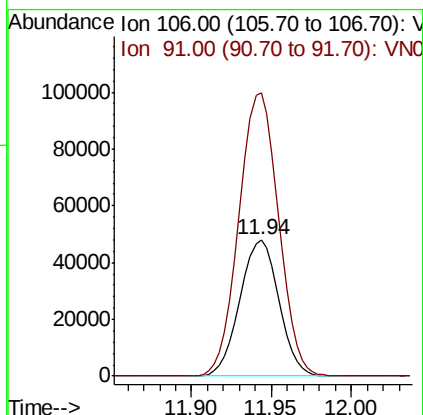
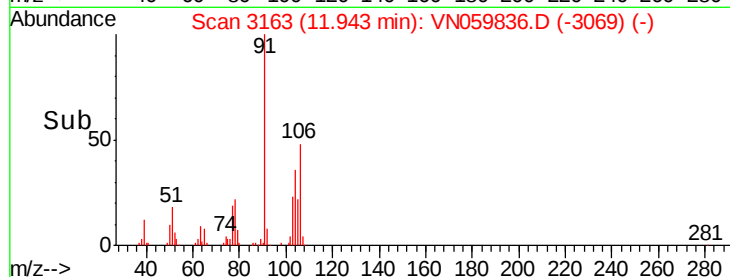
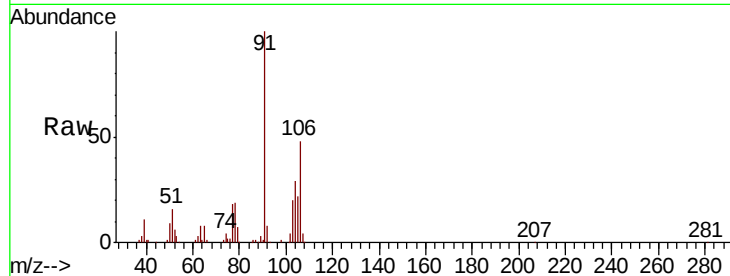




#69
o-Xylene
Concen: 20.955 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN059836.D
Acq: 24 Jan 2020 11:17

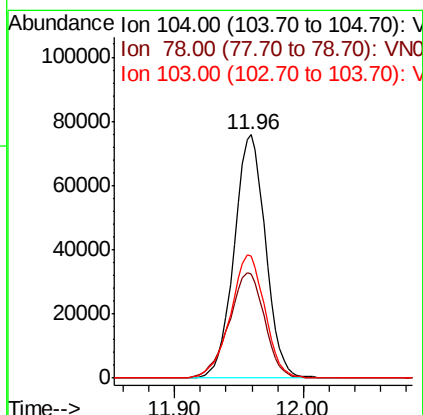
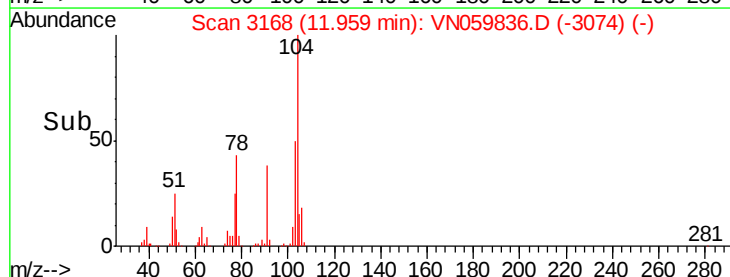
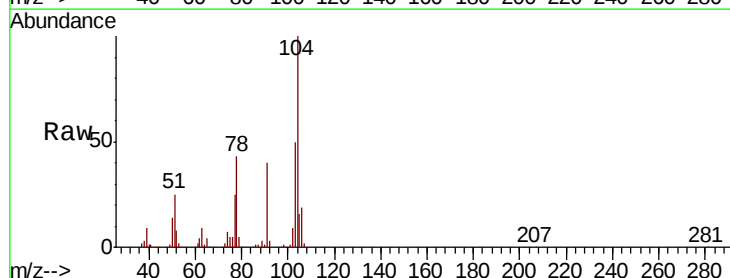
Instrument :
MSVOA_N
ClientSampled :

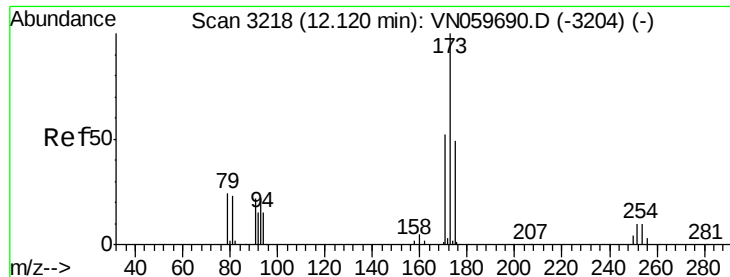
Tot Ion:106 Resp: 79920
Ion Ratio Lower Upper
106 100
91 211.2 110.3 330.9



#70
Styrene
Concen: 20.118 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN059836.D
Acq: 24 Jan 2020 11:17

Tgt Ion:104 Resp: 128390
Ion Ratio Lower Upper
104 100
78 49.0 42.4 63.6
103 55.2 43.9 65.9

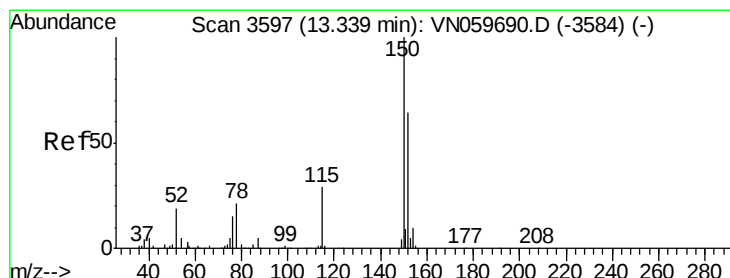
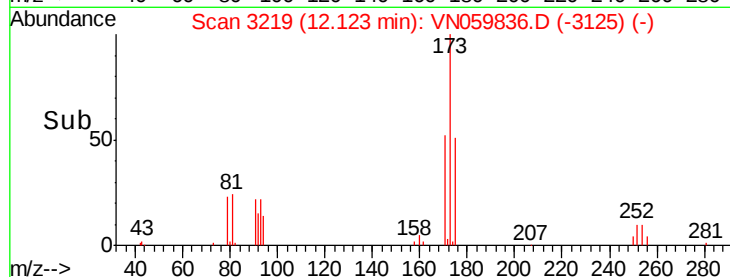
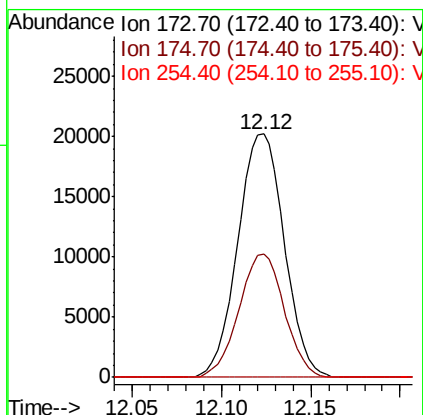
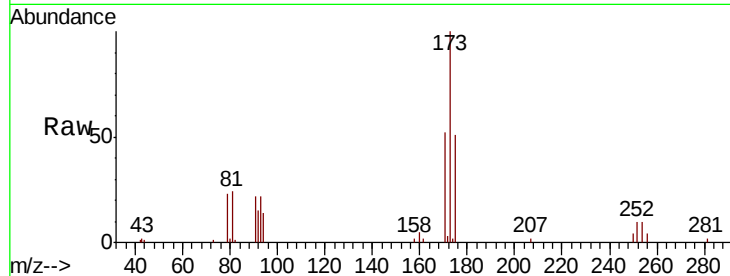




#71
Bromoform
Concen: 20.928 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. 0.00 min
Lab File: VN059836.D
Acq: 24 Jan 2020 11:17

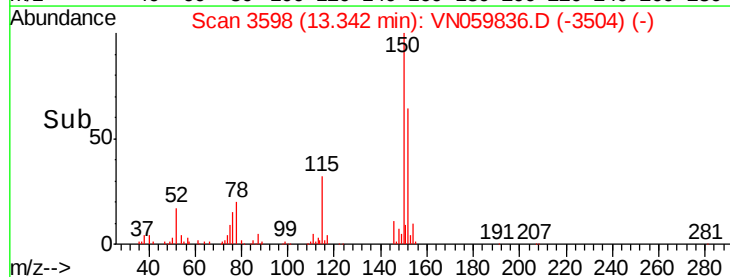
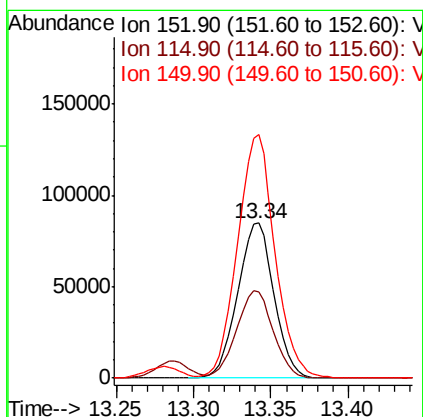
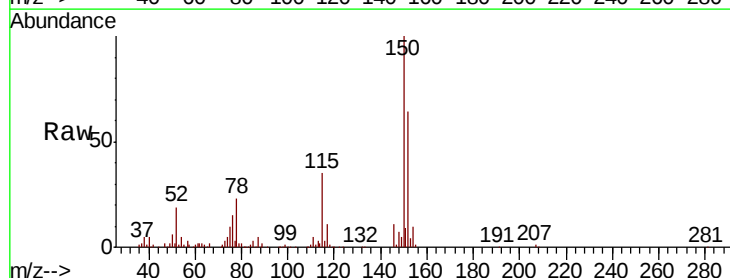
Instrument :
MSVOA_N
ClientSampled :

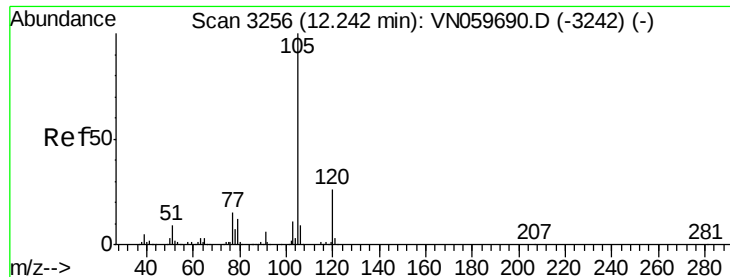
Tot Ion:173 Resp: 36798
Ion Ratio Lower Upper
173 100
175 49.4 23.8 71.4
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN059836.D
Acq: 24 Jan 2020 11:17

Tgt Ion:152 Resp: 138109
Ion Ratio Lower Upper
152 100
115 56.7 30.3 90.9
150 162.5 0.0 345.2





#73

Isopropylbenzene

Concen: 20.934 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN059836.D

Acq: 24 Jan 2020 11:17

Instrument :

MSVOA_N

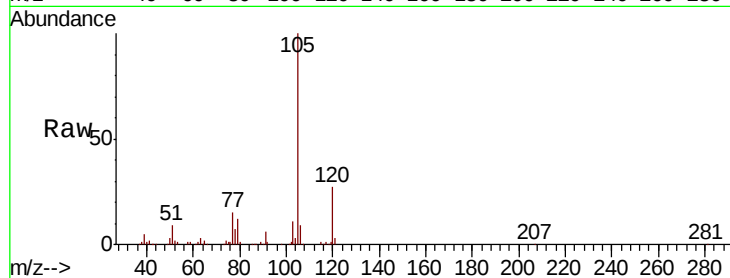
ClientSampled :

Tot Ion:105 Resp: 212034

Ion Ratio Lower Upper

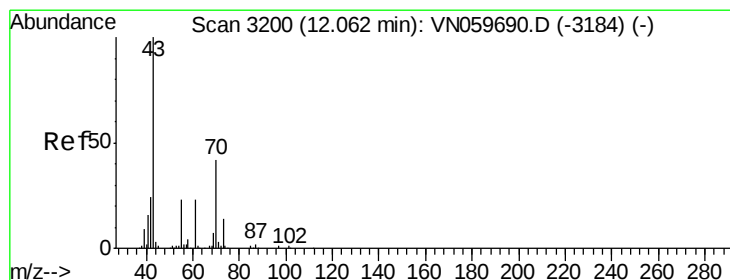
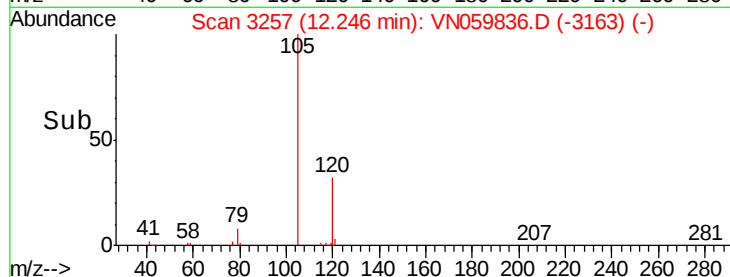
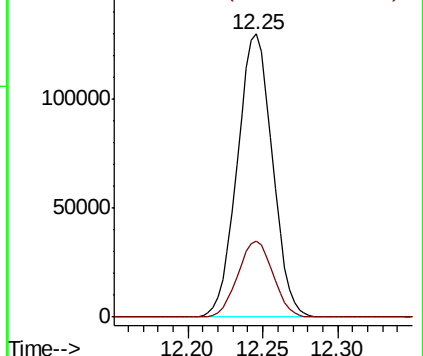
105 100

120 27.0 13.2 39.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.634 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN059836.D

Acq: 24 Jan 2020 11:17

Tgt Ion: 43 Resp: 73237

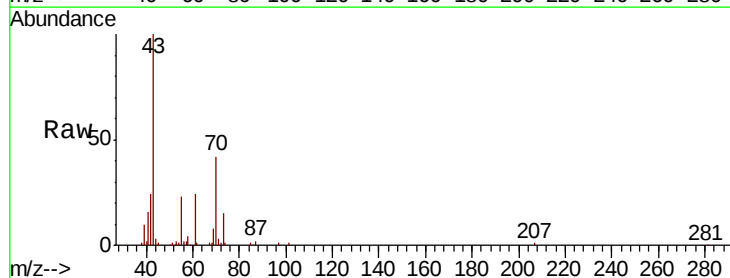
Ion Ratio Lower Upper

43 100

70 43.1 31.3 46.9

55 23.2 19.8 29.6

61 23.9 18.3 27.5

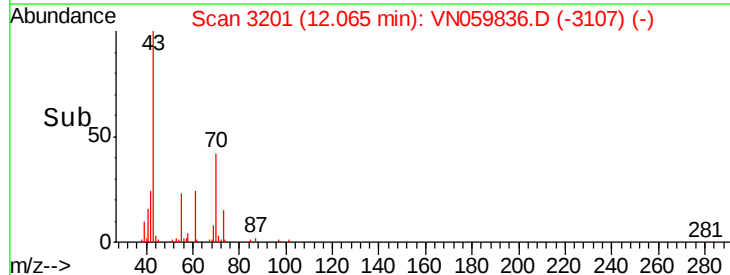
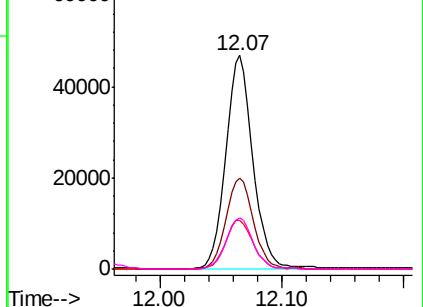


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.265 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN059836.D

Acq: 24 Jan 2020 11:17

Instrument :

MSVOA_N

ClientSampled :

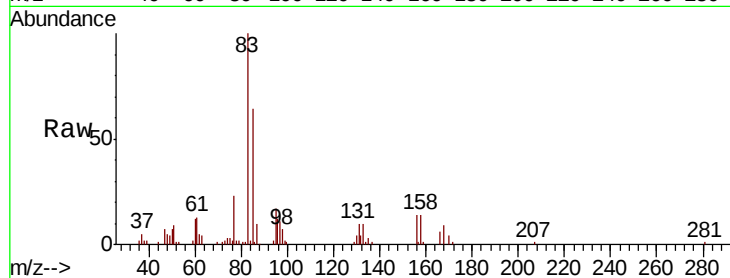
Tot Ion: 83 Resp: 59506

Ion Ratio Lower Upper

83 100

131 10.6 5.0 14.9

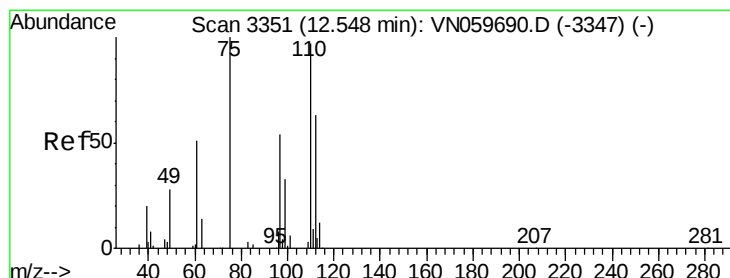
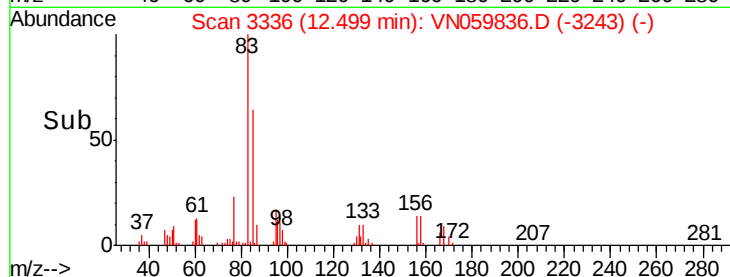
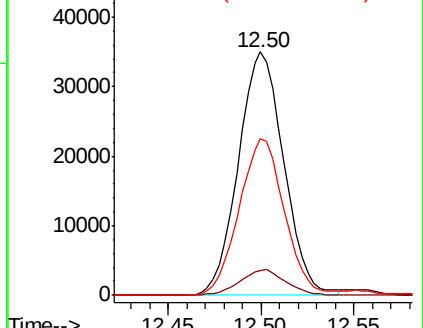
85 64.1 31.9 95.5



Abundance Ion 82.90 (82.60 to 83.60): VN059836.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN059836.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN059836.D (-3322) (-)



#76

1,2,3-Trichloropropane

Concen: 35.231 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN059836.D

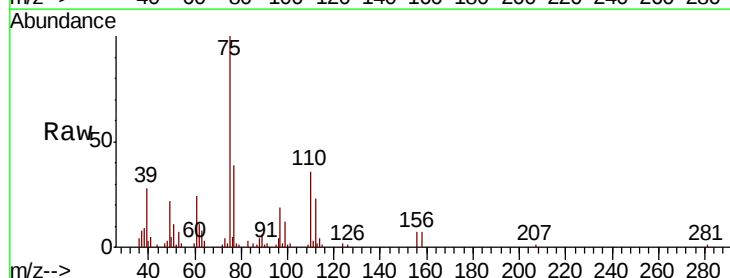
Acq: 24 Jan 2020 11:17

Tgt Ion: 75 Resp: 81886

Ion Ratio Lower Upper

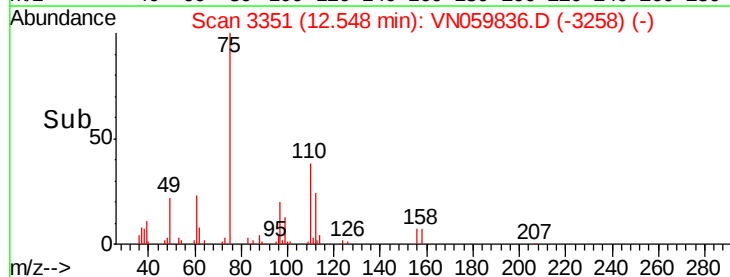
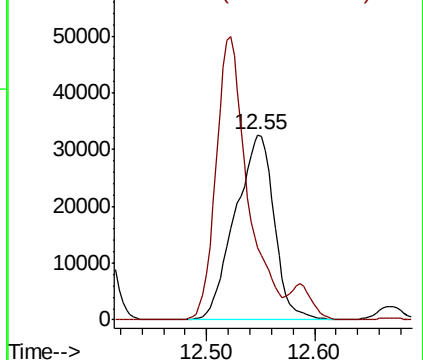
75 100

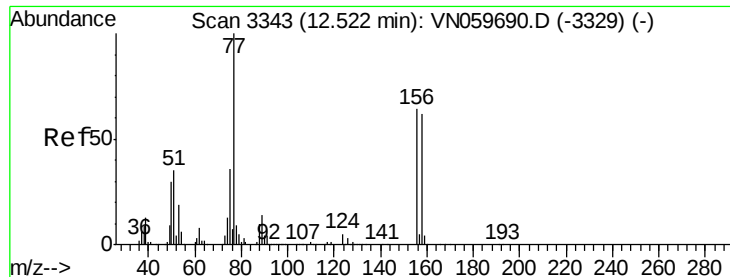
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN059836.D (-3351) (-)

Ion 77.00 (76.70 to 77.70): VN059836.D (-3351) (-)





#77

Bromobenzene

Concen: 21.323 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN059836.D

Acq: 24 Jan 2020 11:17

Instrument :

MSVOA_N

ClientSampled :

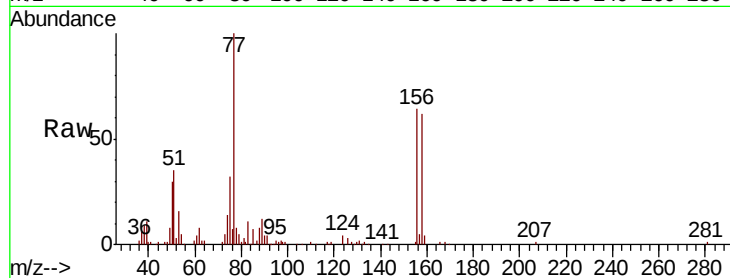
Tot Ion:156 Resp: 54694

Ion Ratio Lower Upper

156 100

77 185.2 115.8 347.4

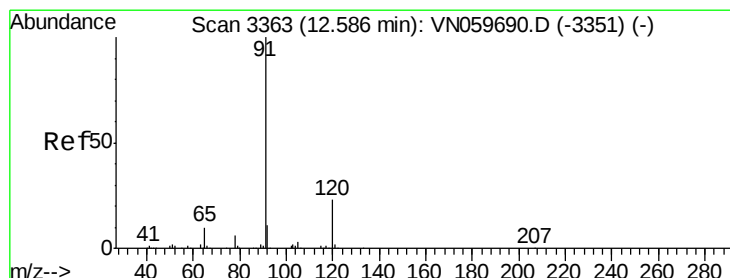
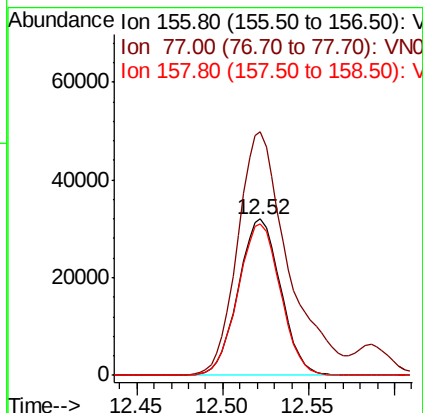
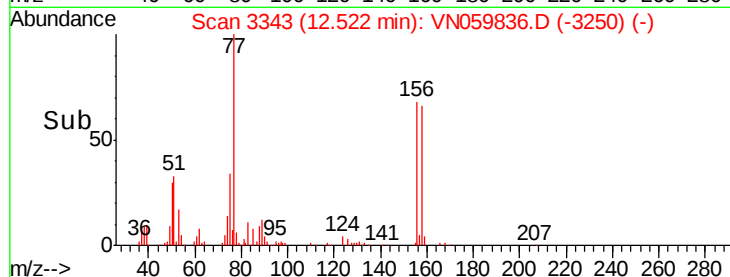
158 96.8 49.2 147.6



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: 20.772 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN059836.D

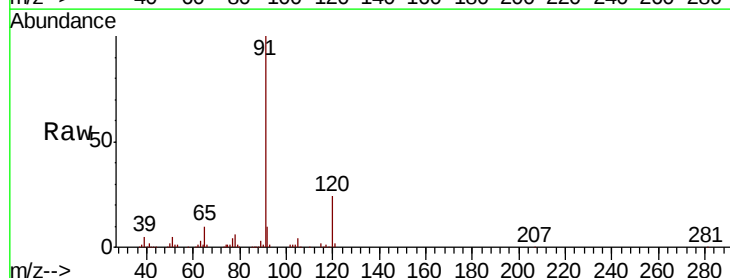
Acq: 24 Jan 2020 11:17

Tgt Ion: 91 Resp: 236146

Ion Ratio Lower Upper

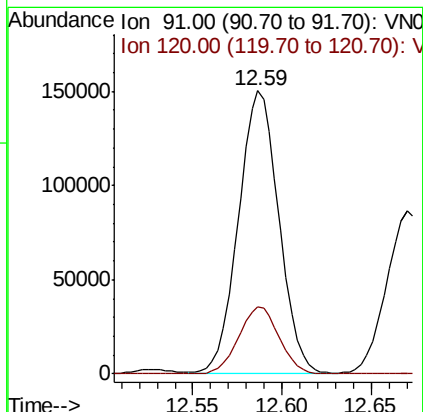
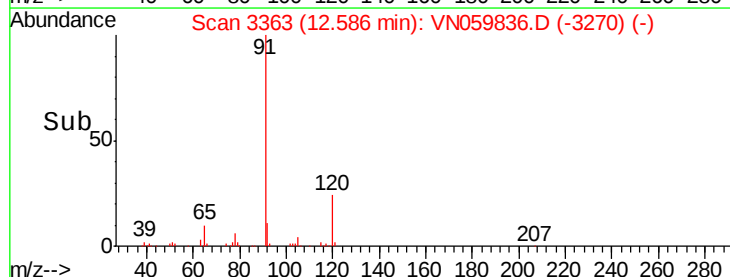
91 100

120 23.8 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: 20.667 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN059836.D

Acq: 24 Jan 2020 11:17

Instrument :

MSVOA_N

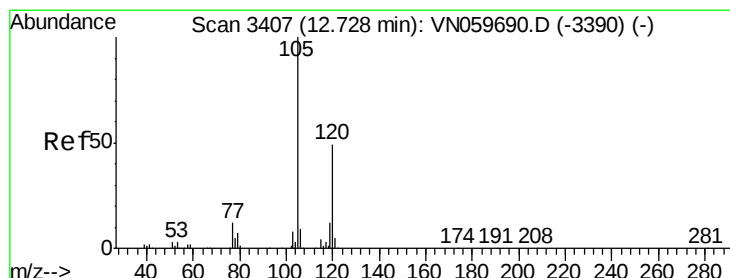
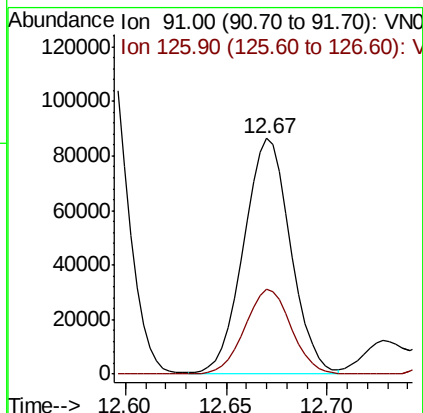
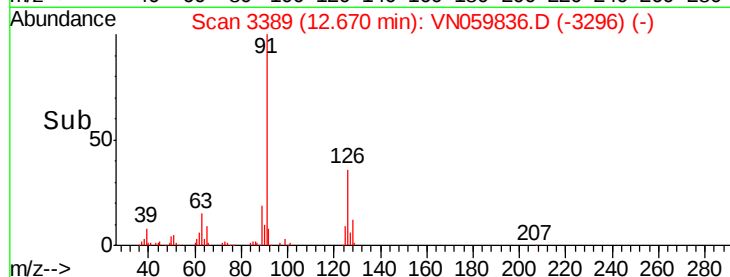
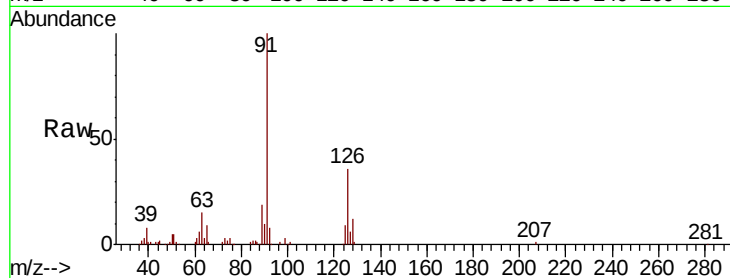
ClientSampled :

Tot Ion: 91 Resp: 139774

Ion Ratio Lower Upper

91 100

126 36.1 16.3 48.9



#80

1,3,5-Trimethylbenzene

Concen: 21.086 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN059836.D

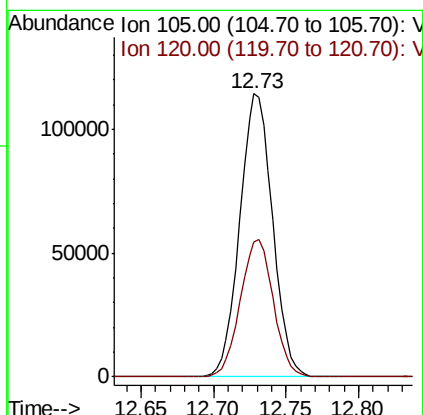
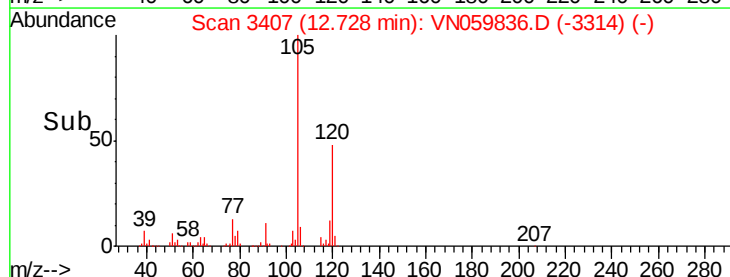
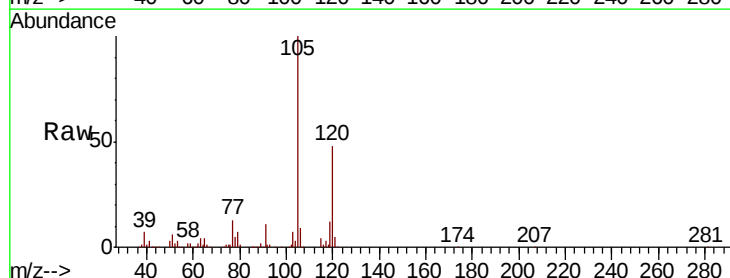
Acq: 24 Jan 2020 11:17

Tgt Ion: 105 Resp: 179621

Ion Ratio Lower Upper

105 100

120 48.9 24.1 72.4

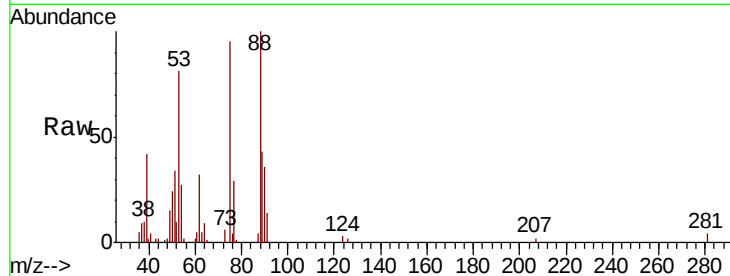




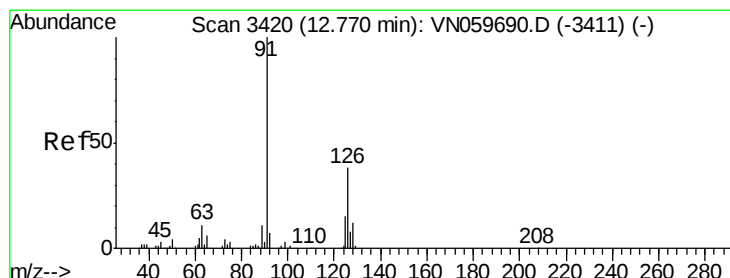
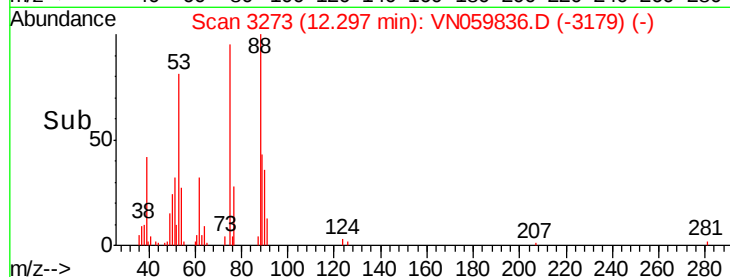
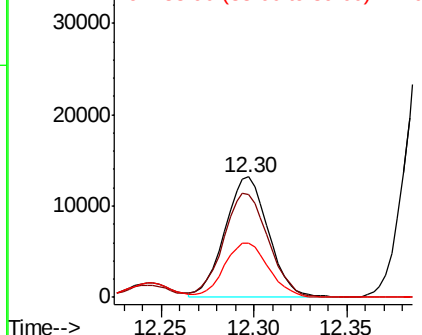
#81
trans-1,4-Dichloro-2-butene
Concen: 19.910 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. 0.00 min
Lab File: VN059836.D
Acq: 24 Jan 2020 11:17

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 75 Resp: 21549
Ion Ratio Lower Upper
75 100
53 89.2 78.1 117.1
89 46.0 35.4 53.2

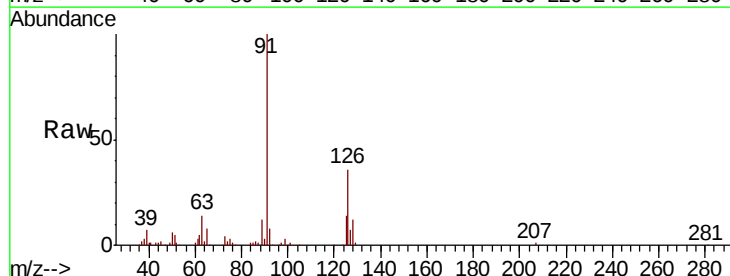


Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 53.00 (52.70 to 53.70): VN0
Ion 88.90 (88.60 to 89.60): VN0

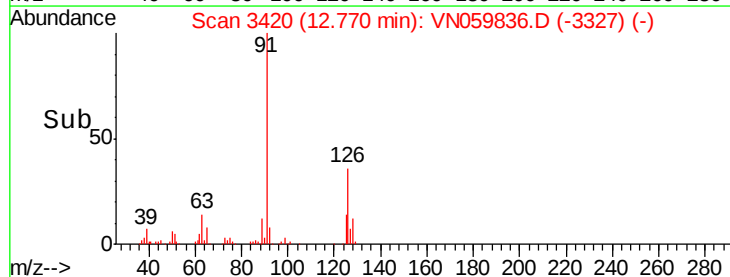
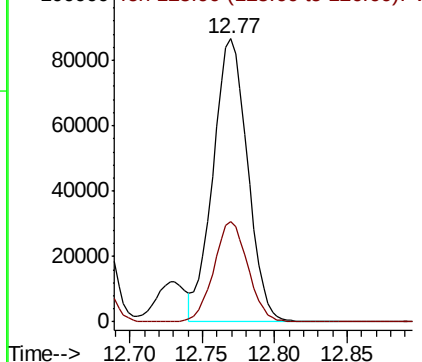


#82
4-Chlorotoluene
Concen: 21.155 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN059836.D
Acq: 24 Jan 2020 11:17

Tgt Ion: 91 Resp: 143505
Ion Ratio Lower Upper
91 100
126 35.0 16.3 48.8



Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 125.90 (125.60 to 126.60): V

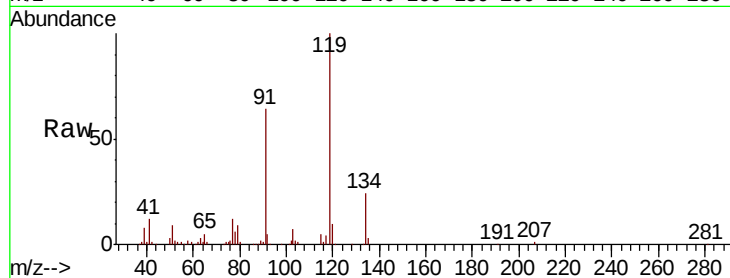




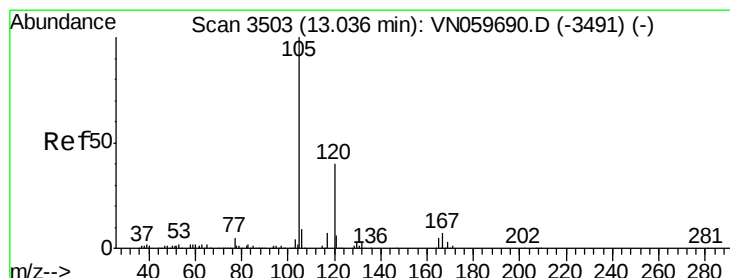
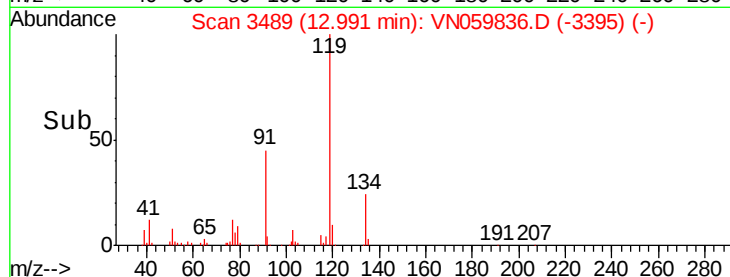
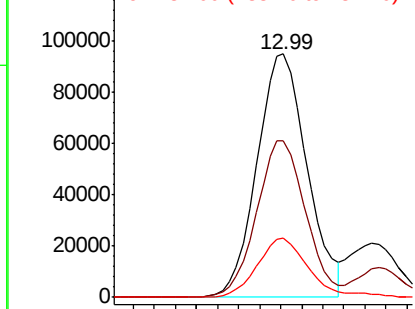
#83
tert-Butylbenzene
Concen: 21.317 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN059836.D
Acq: 24 Jan 2020 11:17

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:119 Resp: 157051
Ion Ratio Lower Upper
119 100
91 62.7 34.8 104.4
134 25.0 12.3 36.9

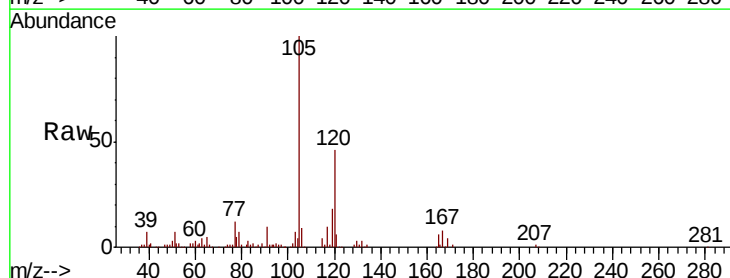


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

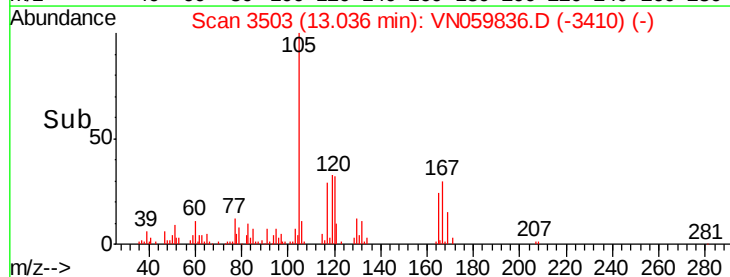
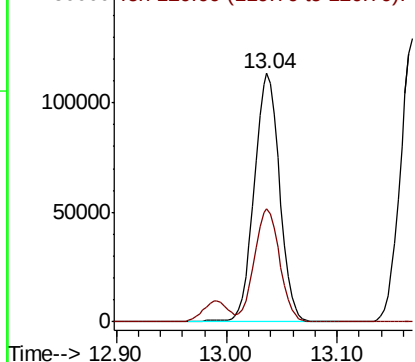


#84
1,2,4-Trimethylbenzene
Concen: 21.445 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN059836.D
Acq: 24 Jan 2020 11:17

Tgt Ion:105 Resp: 180727
Ion Ratio Lower Upper
105 100
120 45.7 22.3 66.9



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.864 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN059836.D

Acq: 24 Jan 2020 11:17

Instrument :

MSVOA_N

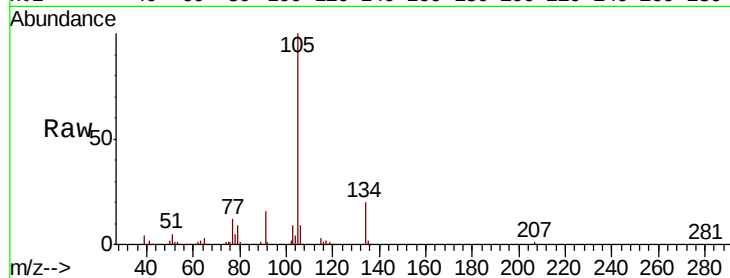
ClientSampled :

Tot Ion:105 Resp: 201958

Ion Ratio Lower Upper

105 100

134 20.5 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

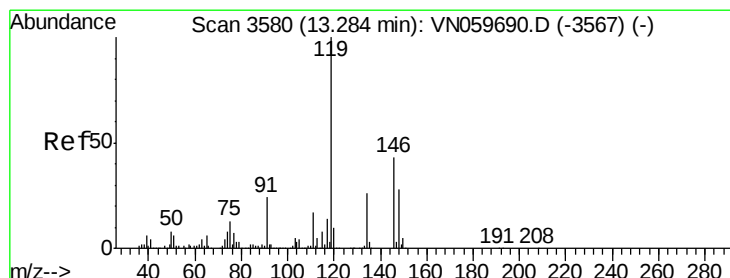
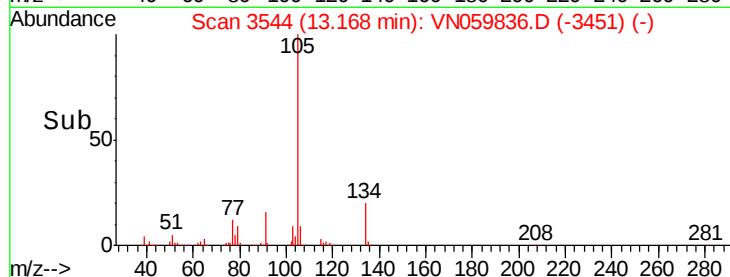
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 21.231 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN059836.D

Acq: 24 Jan 2020 11:17

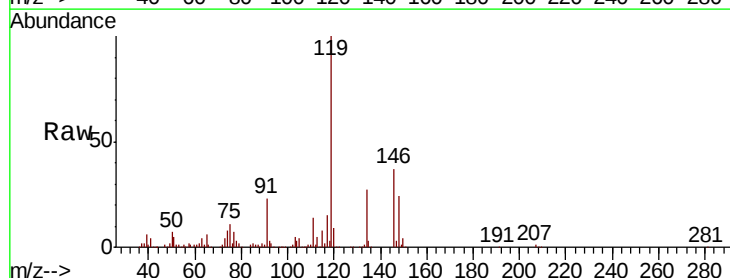
Tgt Ion:119 Resp: 190151

Ion Ratio Lower Upper

119 100

134 26.4 12.9 38.7

91 23.2 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

13.29

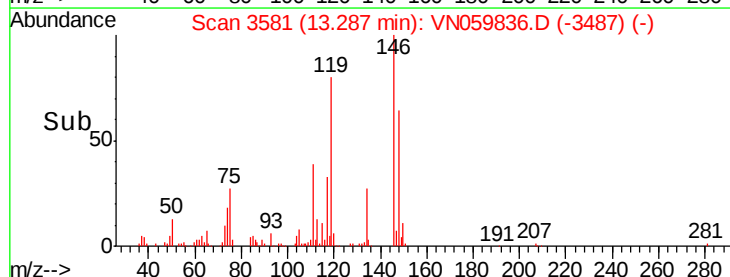
150000

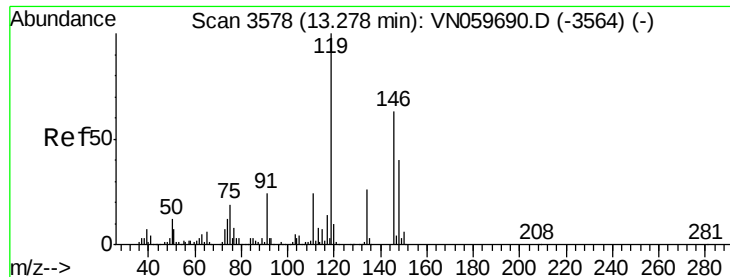
100000

50000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 21.062 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN059836.D

Acq: 24 Jan 2020 11:17

Instrument :

MSVOA_N

ClientSampleId :

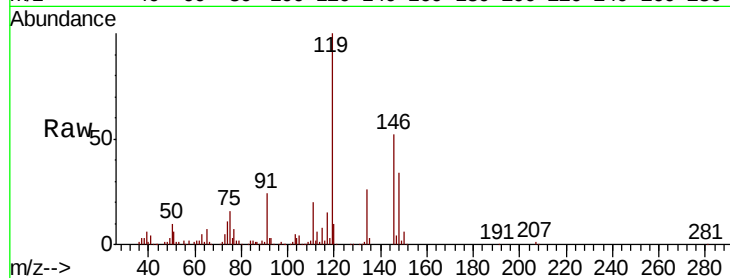
Tot Ion:146 Resp: 93843

Ion Ratio Lower Upper

146 100

111 39.5 20.8 62.2

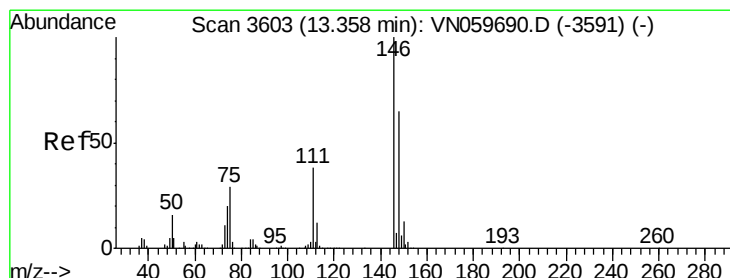
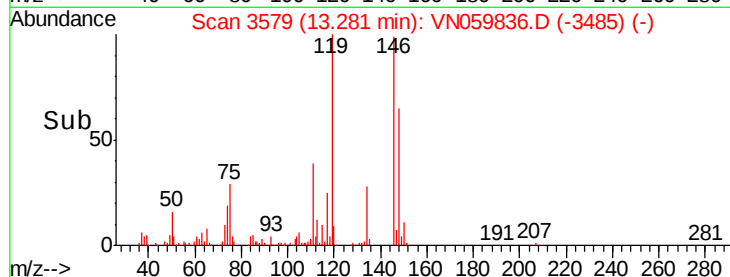
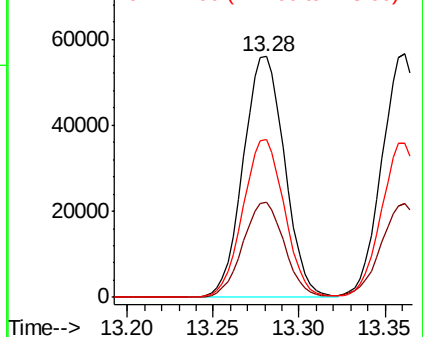
148 65.4 32.0 96.0



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: 21.320 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. 0.00 min

Lab File: VN059836.D

Acq: 24 Jan 2020 11:17

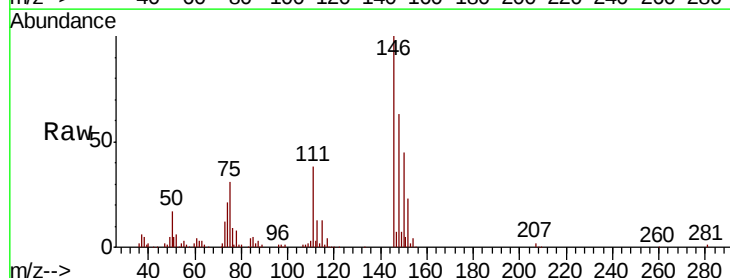
Tgt Ion:146 Resp: 94765

Ion Ratio Lower Upper

146 100

111 39.3 20.8 62.2

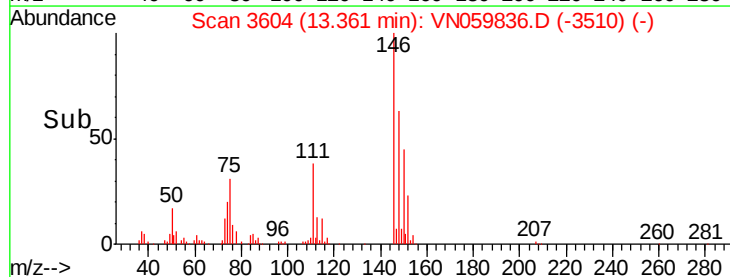
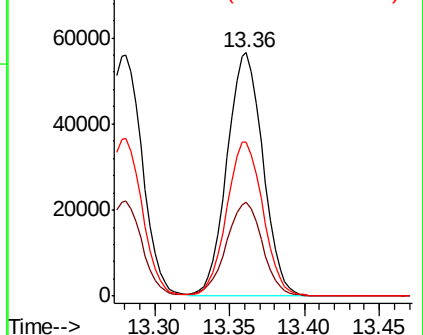
148 64.1 31.8 95.4



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

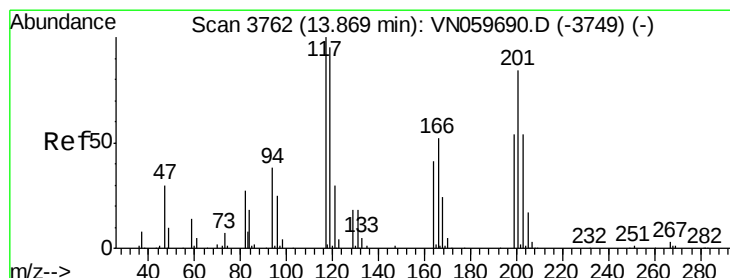
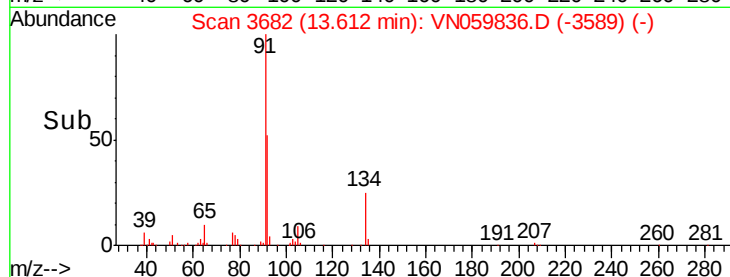
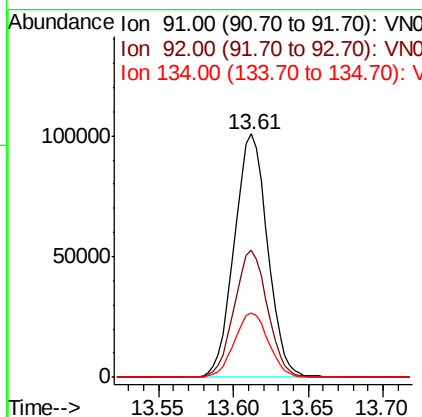
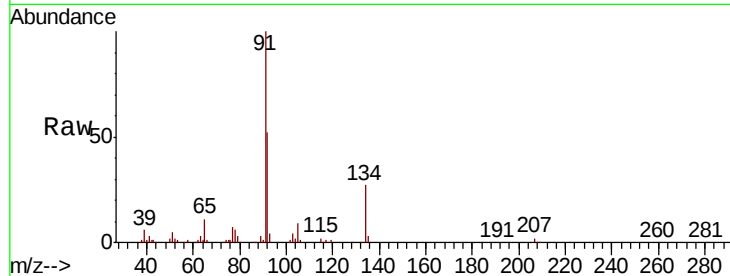




#89
n-Butylbenzene
Concen: 20.514 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN059836.D
Acq: 24 Jan 2020 11:17

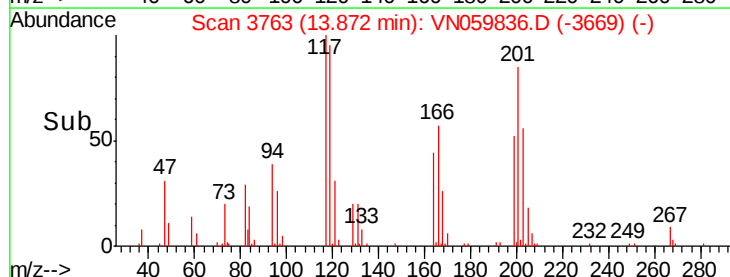
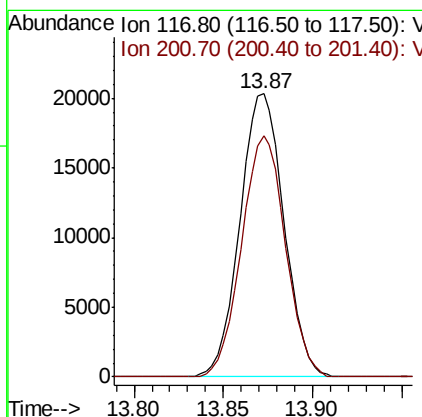
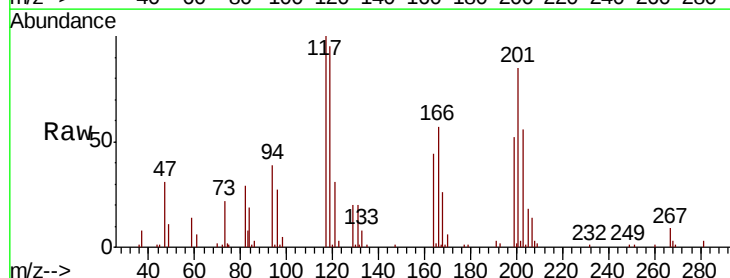
Instrument :
MSVOA_N
ClientSampled :

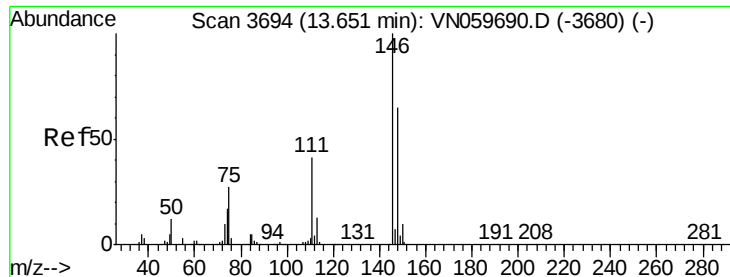
Tot Ion: 91 Resp: 156659
Ion Ratio Lower Upper
91 100
92 52.2 25.9 77.7
134 27.2 12.3 36.8



#90
Hexachloroethane
Concen: 20.836 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN059836.D
Acq: 24 Jan 2020 11:17

Tgt Ion: 117 Resp: 34916
Ion Ratio Lower Upper
117 100
201 84.6 37.8 113.4





#91

1,2-Dichlorobenzene

Concen: 21.357 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN059836.D

Acq: 24 Jan 2020 11:17

Instrument :

MSVOA_N

ClientSampleId :

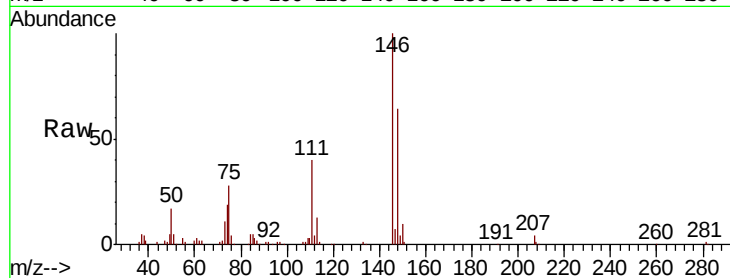
Tot Ion:146 Resp: 94072

Ion Ratio Lower Upper

146 100

111 40.1 21.6 64.8

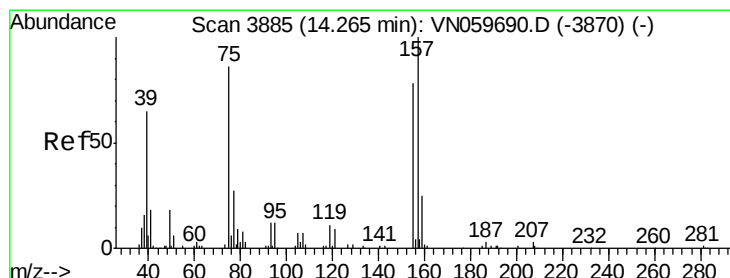
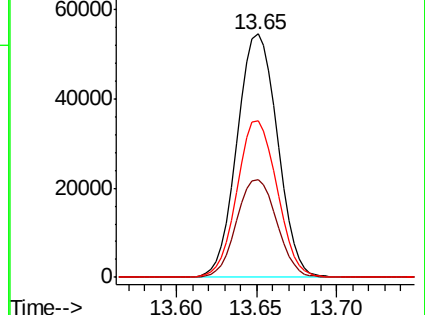
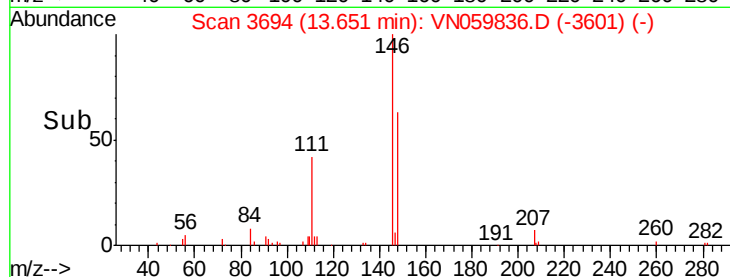
148 63.7 31.6 95.0



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: 19.028 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN059836.D

Acq: 24 Jan 2020 11:17

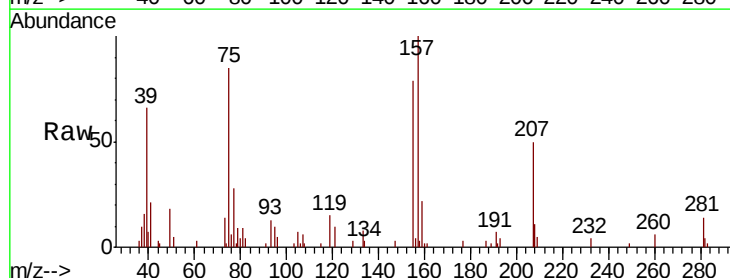
Tgt Ion: 75 Resp: 12808

Ion Ratio Lower Upper

75 100

155 89.0 37.0 110.9

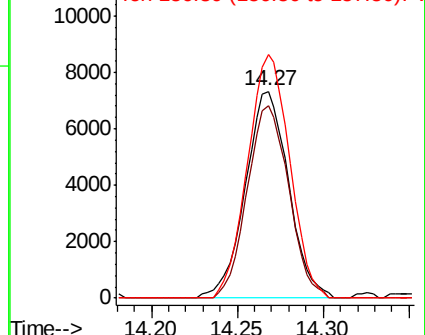
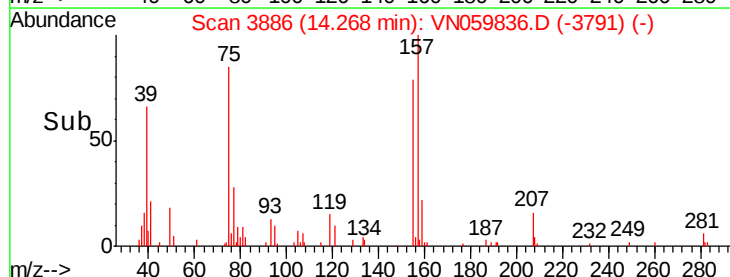
157 114.5 48.4 145.2



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 21.338 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN059836.D

Acq: 24 Jan 2020 11:17

Instrument :

MSVOA_N

ClientSampleId :

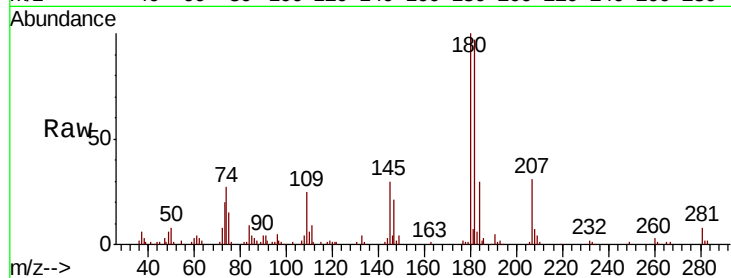
Tot Ion:180 Resp: 56477

Ion Ratio Lower Upper

180 100

182 96.0 46.9 140.7

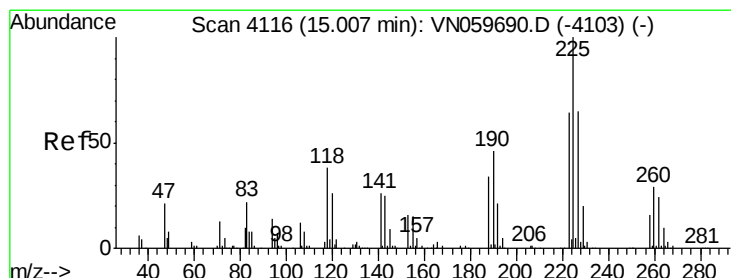
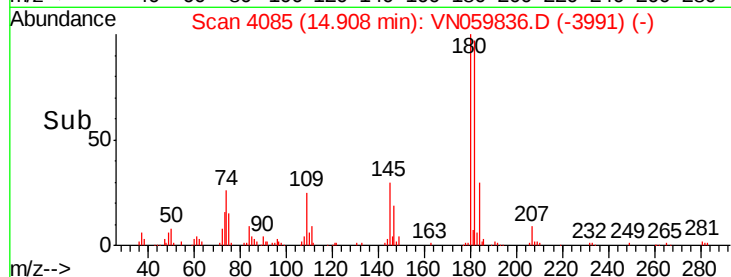
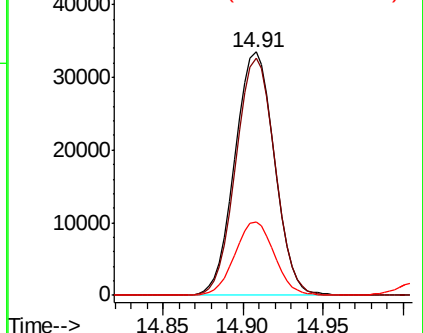
145 30.1 15.0 45.1



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: 21.577 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VN059836.D

Acq: 24 Jan 2020 11:17

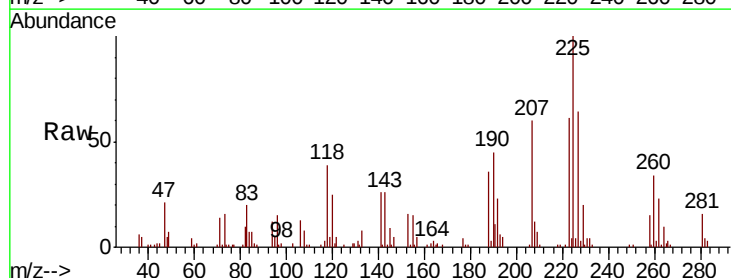
Tgt Ion:225 Resp: 31471

Ion Ratio Lower Upper

225 100

223 62.0 31.8 95.3

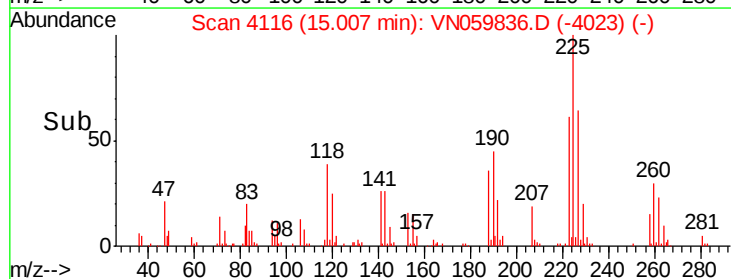
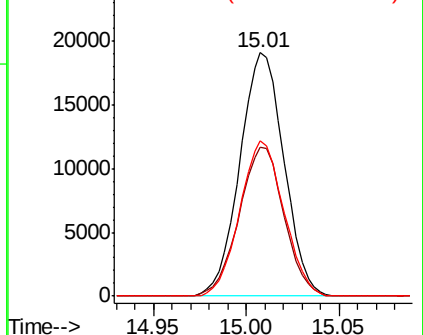
227 63.5 32.1 96.5

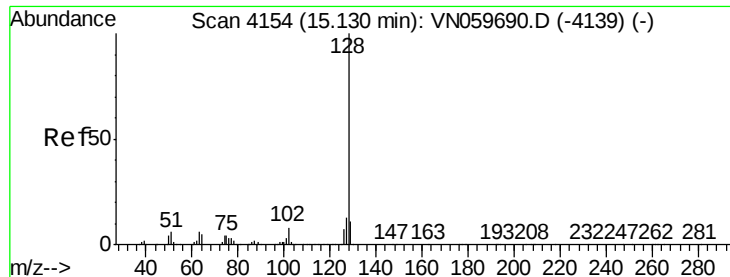


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 19.830 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059836.D

Acq: 24 Jan 2020 11:17

Instrument :

MSVOA_N

ClientSampleId :

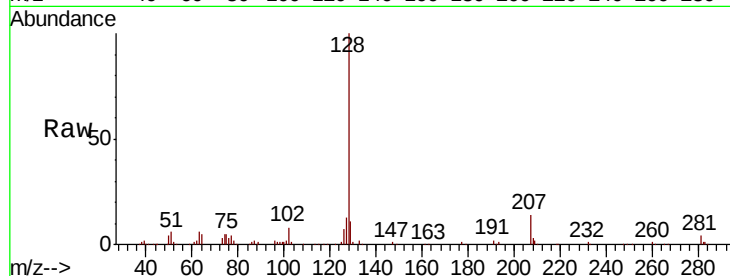
Tot Ion:128 Resp: 149291

Ion Ratio Lower Upper

128 100

127 12.9 10.4 15.6

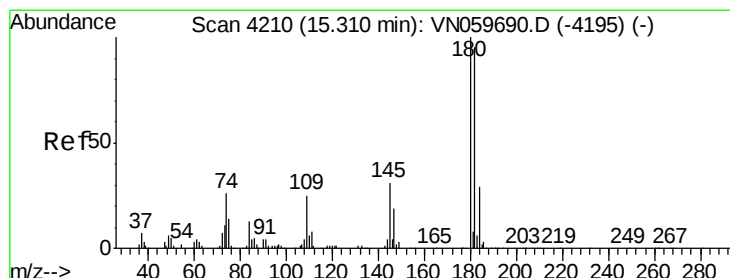
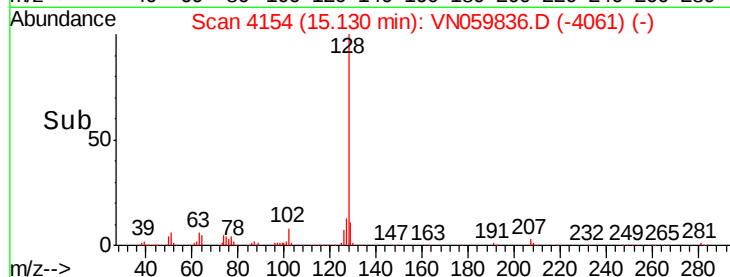
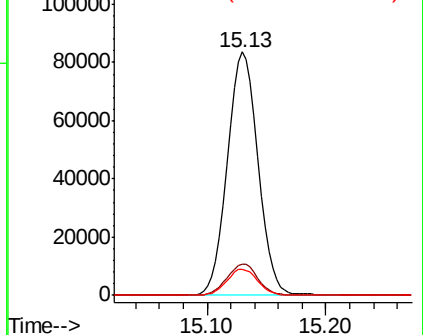
129 10.8 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 21.858 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN059836.D

Acq: 24 Jan 2020 11:17

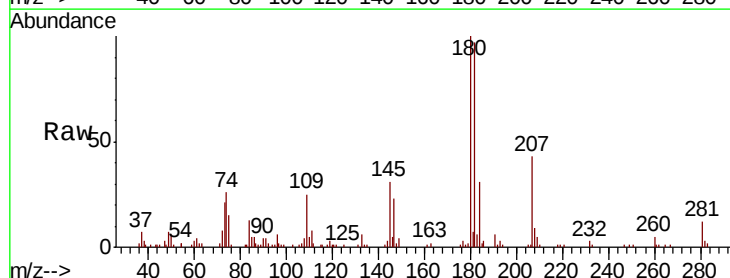
Tgt Ion:180 Resp: 56313

Ion Ratio Lower Upper

180 100

182 94.5 47.4 142.3

145 31.4 16.3 48.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

