

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021720\
 Data File : VN060114.D
 Acq On : 17 Feb 2020 13:13
 Operator : JC/MD
 Sample : VN0217WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 17 13:59:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 12 14:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	200278	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	326185	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	301726	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	141575	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	132270	54.27	ug/l	0.00
Spiked Amount			Recovery	=	108.54%	
35) Dibromofluoromethane	7.56	113	100231	49.99	ug/l	0.00
Spiked Amount			Recovery	=	99.98%	
50) Toluene-d8	10.08	98	388104	49.15	ug/l	0.00
Spiked Amount			Recovery	=	98.30%	
62) 4-Bromofluorobenzene	12.40	95	140317	48.36	ug/l	0.00
Spiked Amount			Recovery	=	96.72%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	39348	19.655	ug/l	100
3) Chloromethane	2.04	50	49694	20.859	ug/l	99
4) Vinyl Chloride	2.17	62	54474	20.061	ug/l	98
5) Bromomethane	2.55	94	31569	18.960	ug/l	98
6) Chloroethane	2.69	64	27430	19.971	ug/l	97
7) Trichlorofluoromethane	3.01	101	66744	19.064	ug/l	99
8) Diethyl Ether	3.39	74	24394	20.932	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.74	101	37194	19.135	ug/l	97
10) Methyl Iodide	3.93	142	48434	20.108	ug/l	97
11) Tert butyl alcohol	4.73	59	41466	113.702	ug/l	99
12) 1,1-Dichloroethene	3.72	96	37299	19.698	ug/l	99
13) Acrolein	3.58	56	33678	93.427	ug/l	95
14) Allyl chloride	4.30	41	58177	20.874	ug/l	96
15) Acrylonitrile	4.95	53	104808	117.679	ug/l	100
16) Acetone	3.78	43	115419	108.576	ug/l	97
17) Carbon Disulfide	4.03	76	109950	19.264	ug/l	100
18) Methyl Acetate	4.29	43	47466	23.770	ug/l	97
19) Methyl tert-butyl Ether	5.00	73	131688	20.680	ug/l	98
20) Methylene Chloride	4.52	84	43919	20.709	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	40600	19.669	ug/l	92
22) Diisopropyl ether	5.92	45	131857	21.587	ug/l	95
23) Vinyl Acetate	5.86	43	565733	110.294	ug/l	98
24) 1,1-Dichloroethane	5.82	63	76625	20.709	ug/l	98
25) 2-Butanone	6.80	43	155306	116.165	ug/l	94
26) 2,2-Dichloropropane	6.80	77	69344	19.731	ug/l	98
27) cis-1,2-Dichloroethene	6.80	96	47087	19.492	ug/l	96
28) Bromochloromethane	7.17	49	33593	23.093	ug/l	92
29) Tetrahydrofuran	7.18	42	97399	118.752	ug/l	95
30) Chloroform	7.35	83	77263	19.934	ug/l	99
31) Cyclohexane	7.63	56	72330	20.985	ug/l	95
32) 1,1,1-Trichloroethane	7.55	97	69802	19.707	ug/l	99
36) 1,1-Dichloropropene	7.77	75	57879	19.157	ug/l	99
37) Ethyl Acetate	6.90	43	61838	22.647	ug/l	99
38) Carbon Tetrachloride	7.75	117	61538	18.755	ug/l	97

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 Quant Title : SW846 8260
 QLast Update : Wed Feb 12 14:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	70856	18.893	ug/l	97
40) Benzene	8.02	78	170225	18.994	ug/l	99
41) Methacrylonitrile	7.18	41	89341	78.020	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	62628	19.938	ug/l	98
43) Isopropyl Acetate	8.14	43	102710	22.005	ug/l	96
44) Trichloroethene	8.82	130	45287	18.249	ug/l	91
45) 1,2-Dichloropropane	9.10	63	44621	20.110	ug/l	99
46) Dibromomethane	9.19	93	30511	19.459	ug/l	97
47) Bromodichloromethane	9.39	83	60752	19.058	ug/l	99
48) Methyl methacrylate	9.18	41	43387	20.718	ug/l	97
49) 1,4-Dioxane	9.18	88	14998	419.156	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	301799	111.707	ug/l	99
52) Toluene	10.14	92	107768	18.752	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	69652	19.357	ug/l	97
54) cis-1,3-Dichloropropene	9.82	75	73904	19.505	ug/l	97
55) 1,1,2-Trichloroethane	10.55	97	41966	18.717	ug/l	97
56) Ethyl methacrylate	10.42	69	64165	20.230	ug/l	99
57) 1,3-Dichloropropane	10.70	76	71934	19.444	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	157971	106.909	ug/l	98
59) 2-Hexanone	10.74	43	229779	110.101	ug/l	99
60) Dibromochloromethane	10.89	129	47502	18.462	ug/l	98
61) 1,2-Dibromoethane	10.99	107	44762	19.045	ug/l	99
64) Tetrachloroethene	10.62	164	41643	18.155	ug/l	99
65) Chlorobenzene	11.43	112	114120	18.565	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	42871	18.435	ug/l	98
67) Ethyl Benzene	11.50	91	208093	18.769	ug/l	100
68) m/p-Xylenes	11.62	106	155423	37.351	ug/l	99
69) o-Xylene	11.94	106	76045	18.981	ug/l	99
70) Styrene	11.96	104	117825	18.237	ug/l	99
71) Bromoform	12.12	173	34475	18.432	ug/l #	98
73) Isopropylbenzene	12.25	105	203455	19.245	ug/l	100
74) N-amyl acetate	12.07	43	83350	21.864	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	63076	20.728	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	83914	30.980	ug/l #	100
77) Bromobenzene	12.52	156	50057	19.079	ug/l	96
78) n-propylbenzene	12.59	91	230182	19.110	ug/l	99
79) 2-Chlorotoluene	12.67	91	134232	18.960	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	170020	19.342	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	22636	20.462	ug/l	98
82) 4-Chlorotoluene	12.77	91	136947	18.854	ug/l	98
83) tert-Butylbenzene	12.99	119	144764	18.617	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	169088	19.487	ug/l	100
85) sec-Butylbenzene	13.17	105	196293	19.061	ug/l	100
86) p-Isopropyltoluene	13.28	119	176872	18.956	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	85523	18.415	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	86596	18.650	ug/l	98
89) n-Butylbenzene	13.61	91	157218	19.157	ug/l	98
90) Hexachloroethane	13.87	117	32196	18.471	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	86480	19.027	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	13790	20.863	ug/l	91

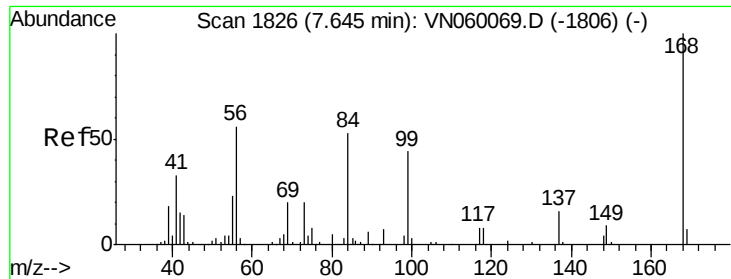
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	49543	18.552	ug/l	99
94) Hexachlorobutadiene	15.01	225	28348	18.132	ug/l	100
95) Naphthalene	15.13	128	145808	20.212	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	49982	18.794	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN060114.D

Acq: 17 Feb 2020 13:13

Instrument :

MSVOA_N

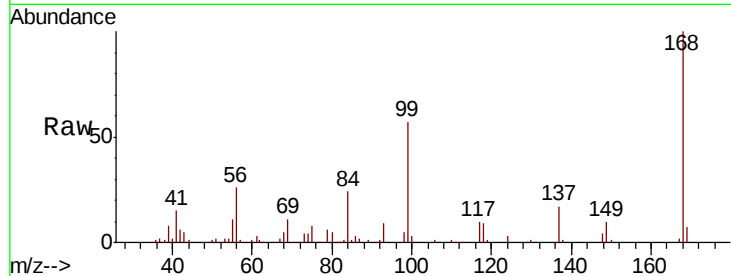
ClientSampled :

Tot Ion:168 Resp: 200278

Ion Ratio Lower Upper

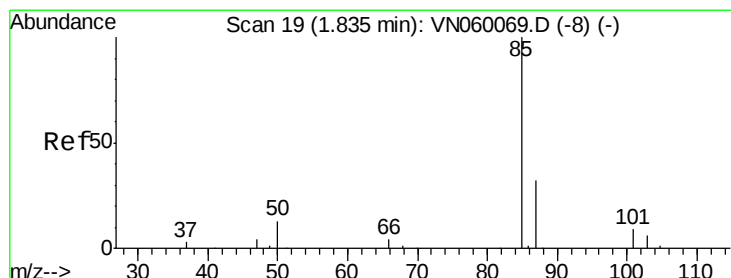
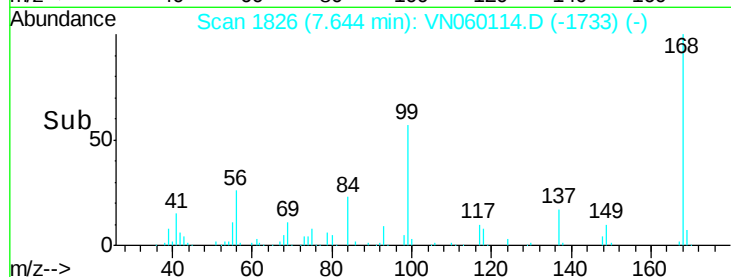
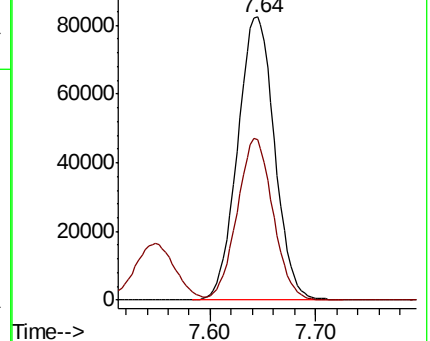
168 100

99 56.9 42.7 64.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 19.655 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN060114.D

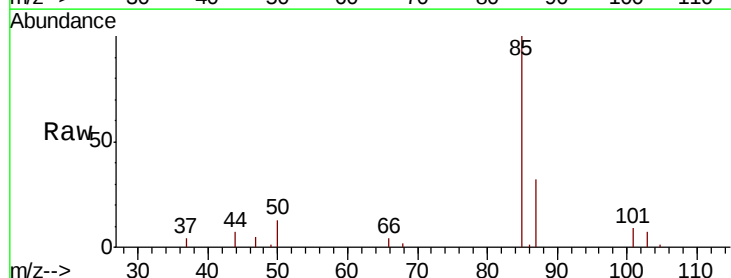
Acq: 17 Feb 2020 13:13

Tgt Ion: 85 Resp: 39348

Ion Ratio Lower Upper

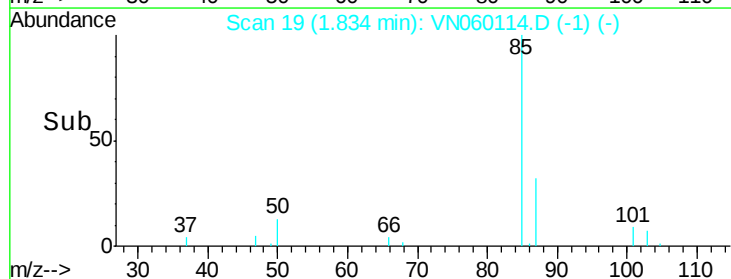
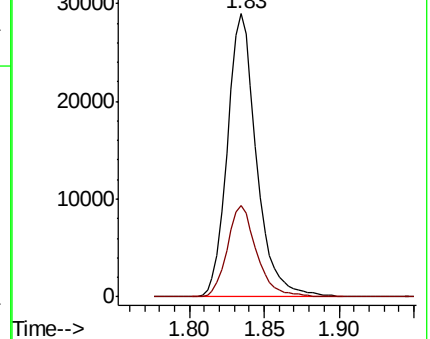
85 100

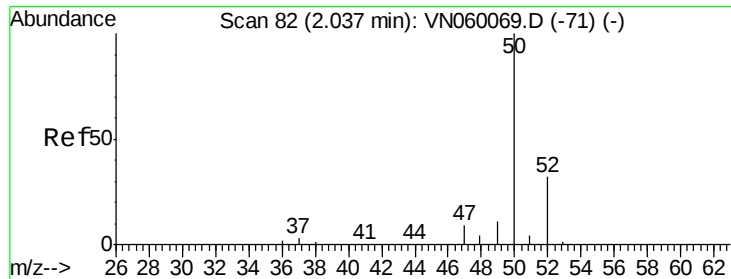
87 32.1 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 20.859 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN060114.D

Acq: 17 Feb 2020 13:13

Instrument :

MSVOA_N

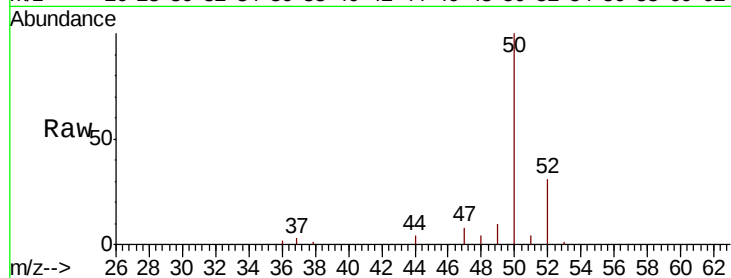
ClientSampleId :

Tot Ion: 50 Resp: 49694

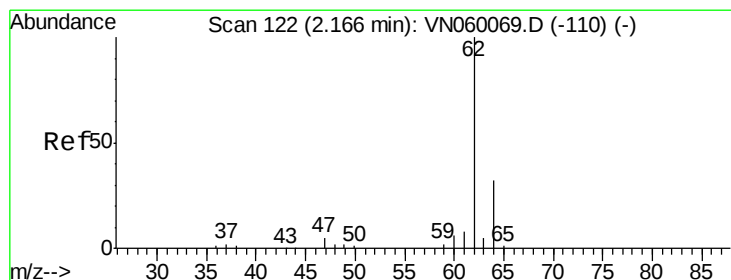
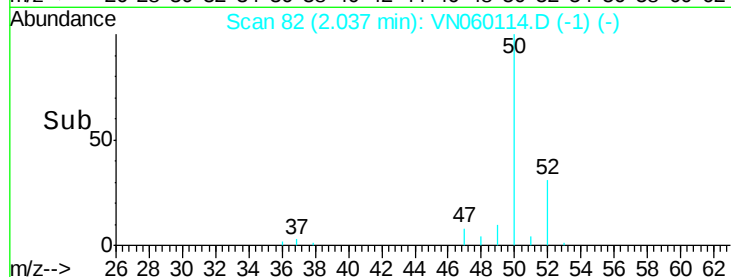
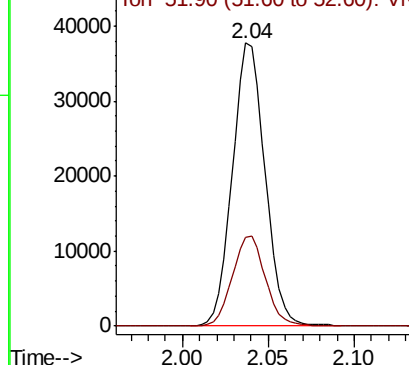
Ion Ratio Lower Upper

50 100

52 31.4 25.6 38.4



Abundance Ion 49.90 (49.60 to 50.60): VNO
Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 20.061 ug/l

RT: 2.17 min Scan# 122

Delta R.T. -0.00 min

Lab File: VN060114.D

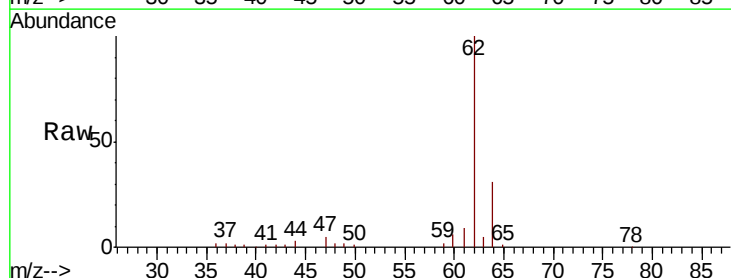
Acq: 17 Feb 2020 13:13

Tgt Ion: 62 Resp: 54474

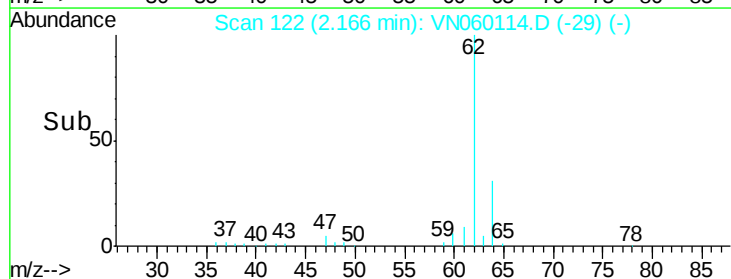
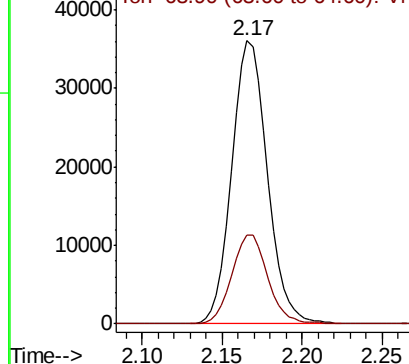
Ion Ratio Lower Upper

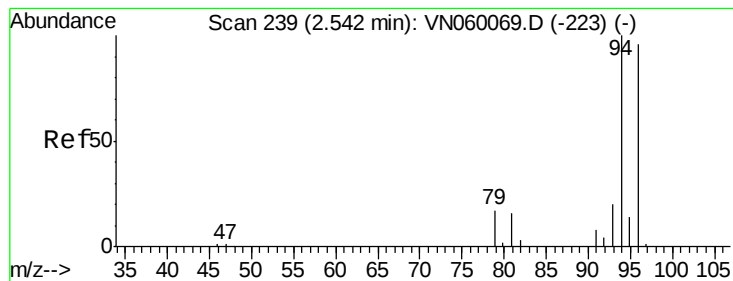
62 100

64 31.5 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 18.960 ug/l

RT: 2.55 min Scan# 242

Delta R.T. 0.01 min

Lab File: VN060114.D

Acq: 17 Feb 2020 13:13

Instrument :

MSVOA_N

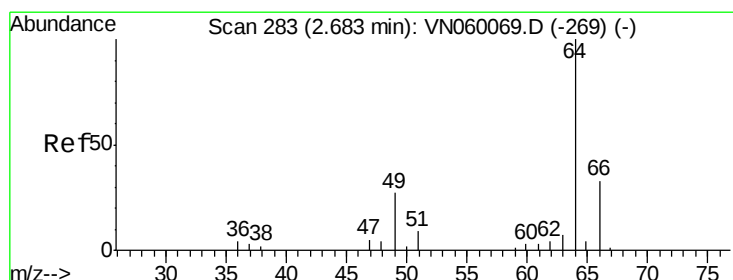
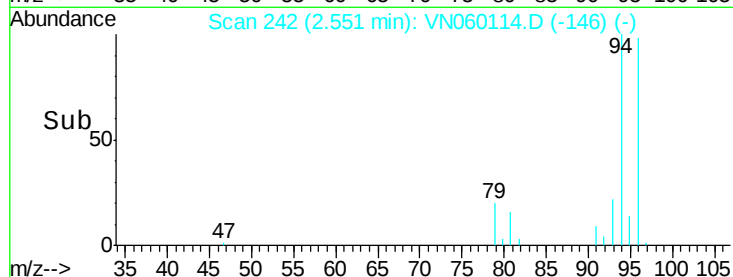
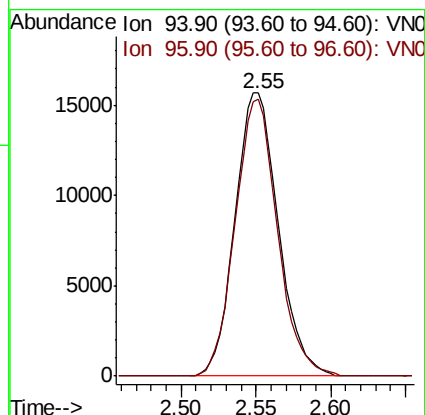
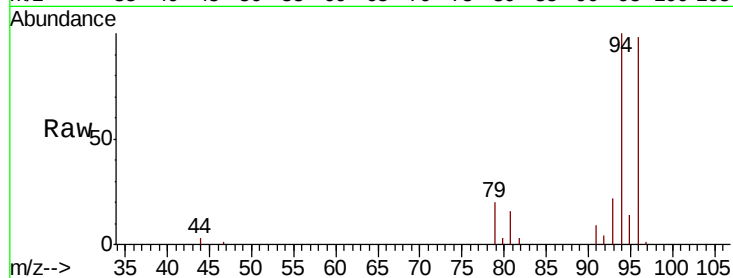
ClientSampleId :

Tot Ion: 94 Resp: 31569

Ion Ratio Lower Upper

94 100

96 97.8 76.7 115.1



#6

Chloroethane

Concen: 19.971 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN060114.D

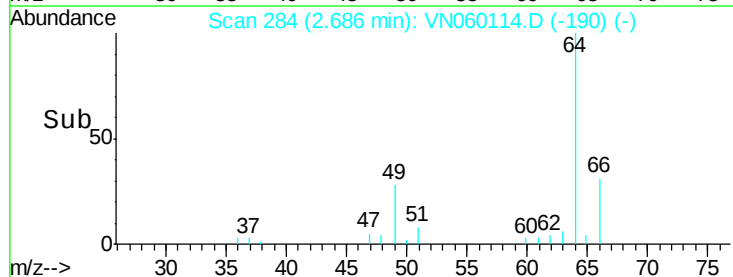
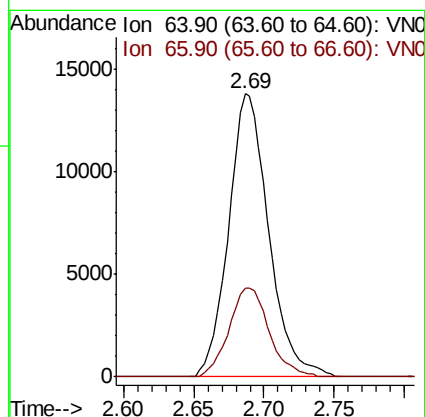
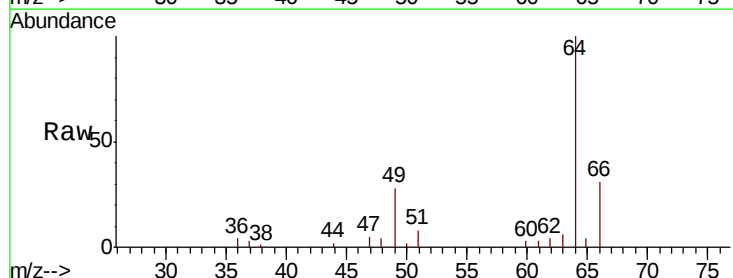
Acq: 17 Feb 2020 13:13

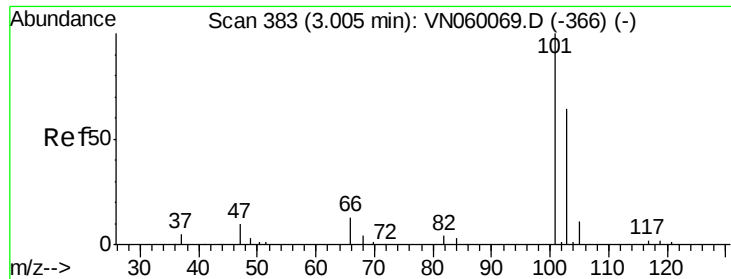
Tgt Ion: 64 Resp: 27430

Ion Ratio Lower Upper

64 100

66 31.3 26.6 40.0



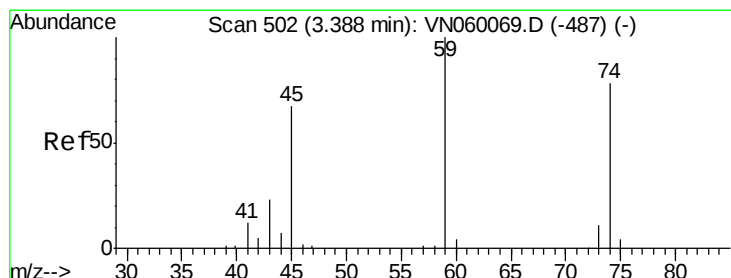
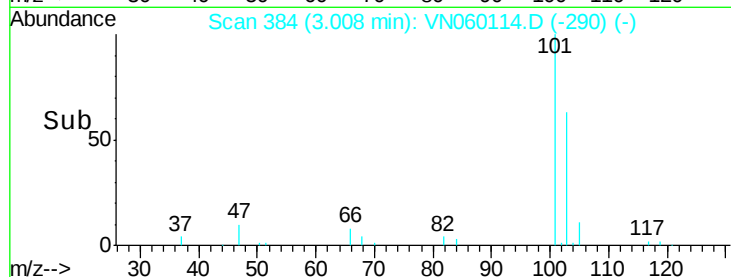
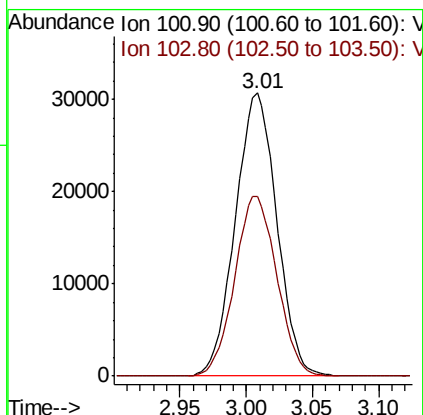
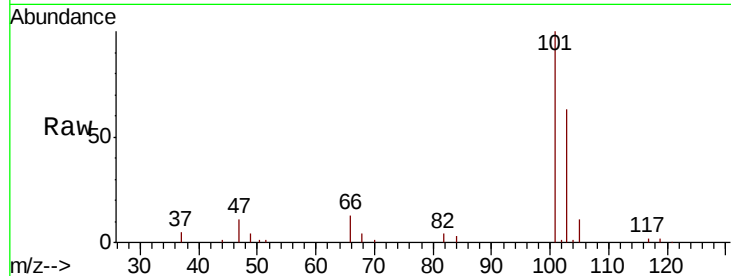


#7

Trichlorofluoromethane
 Concen: 19.064 ug/l
 RT: 3.01 min Scan# 384
 Delta R.T. 0.00 min
 Lab File: VN060114.D
 Acq: 17 Feb 2020 13:13

Instrument :
 MSVOA_N
 ClientSampled :

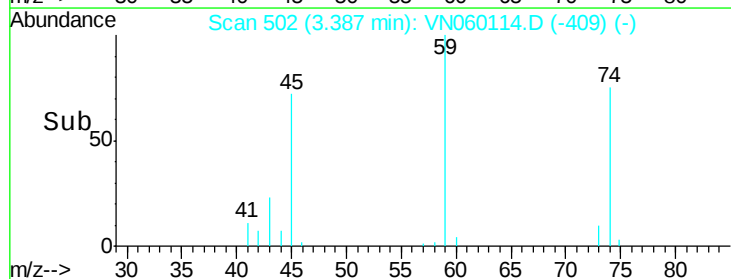
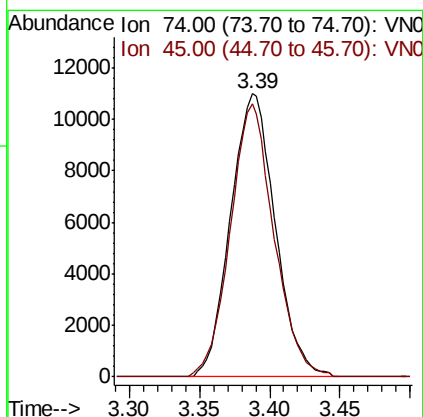
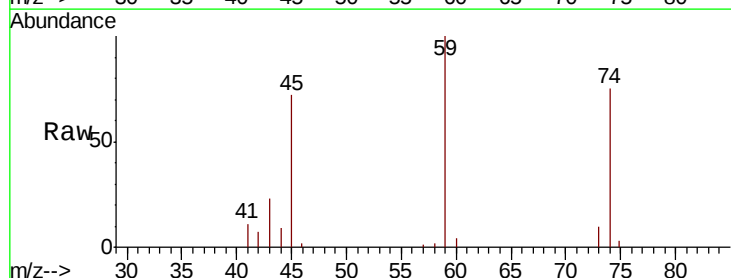
Tot Ion:101 Resp: 66744
 Ion Ratio Lower Upper
 101 100
 103 63.4 51.0 76.6

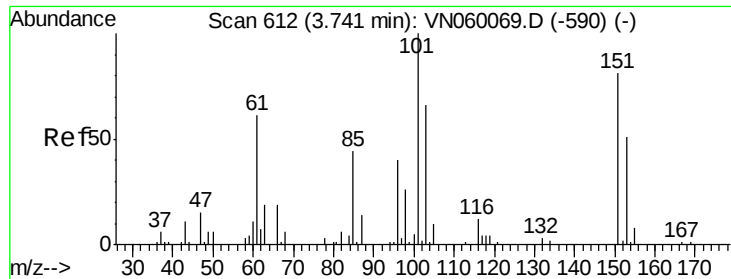


#8

Diethyl Ether
 Concen: 20.932 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VN060114.D
 Acq: 17 Feb 2020 13:13

Tgt Ion: 74 Resp: 24394
 Ion Ratio Lower Upper
 74 100
 45 93.9 44.7 134.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.135 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN060114.D

Acq: 17 Feb 2020 13:13

Instrument :

MSVOA_N

ClientSampled :

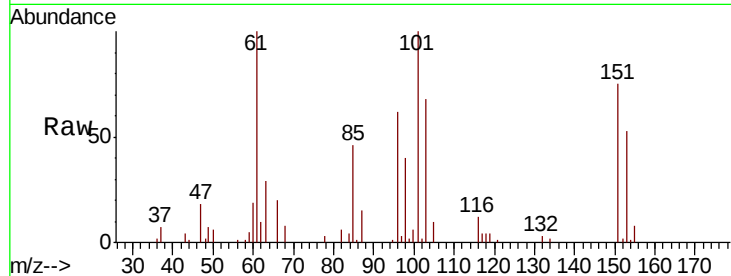
Tot Ion:101 Resp: 37194

Ion Ratio Lower Upper

101 100

85 45.7 35.1 52.7

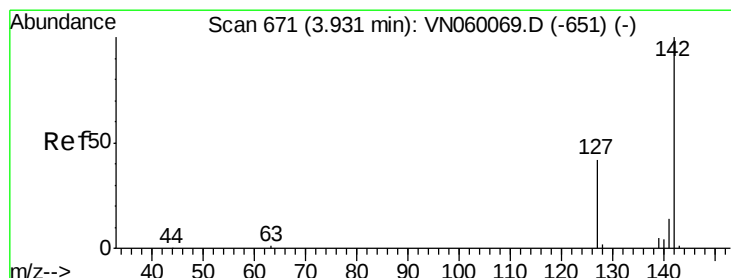
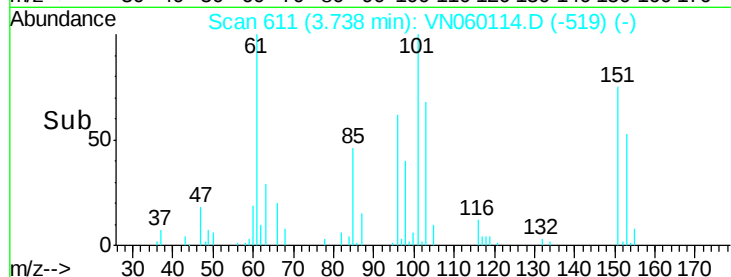
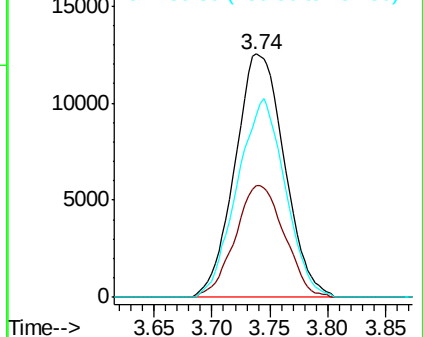
151 79.1 65.8 98.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.108 ug/l

RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

Lab File: VN060114.D

Acq: 17 Feb 2020 13:13

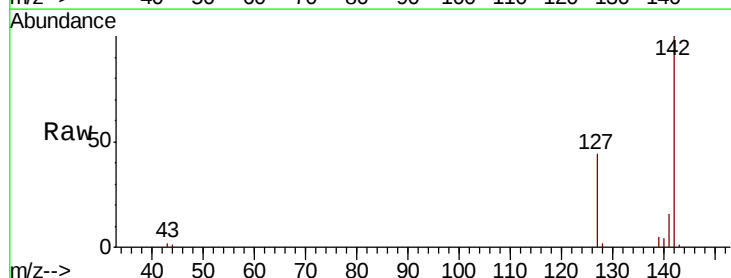
Tgt Ion:142 Resp: 48434

Ion Ratio Lower Upper

142 100

127 44.2 33.6 50.4

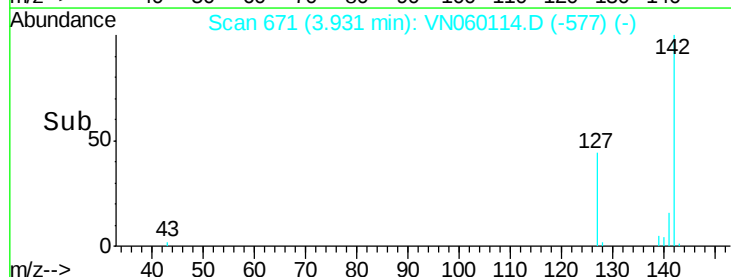
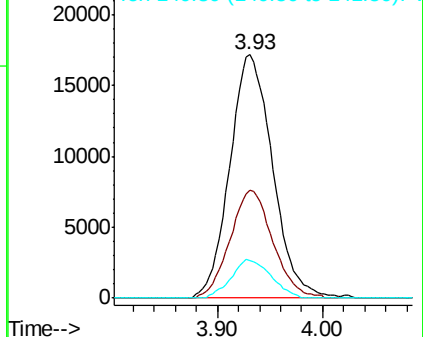
141 14.7 11.4 17.2

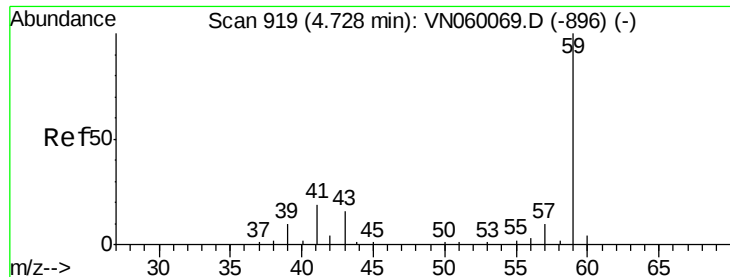


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



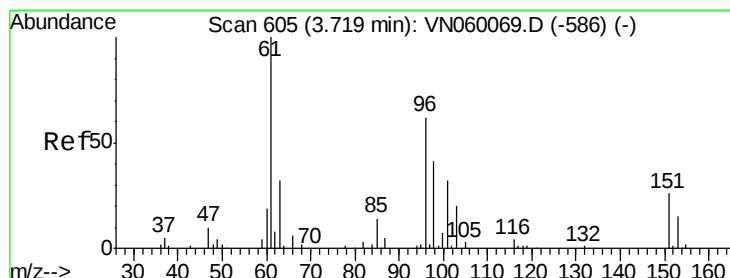
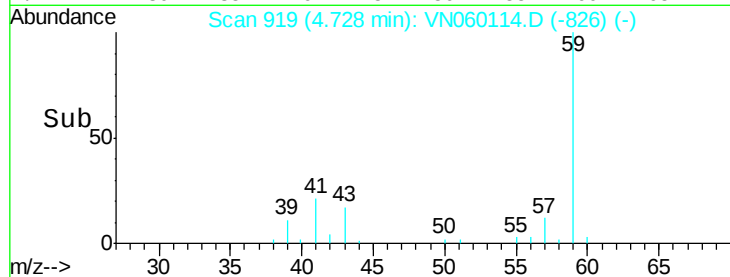
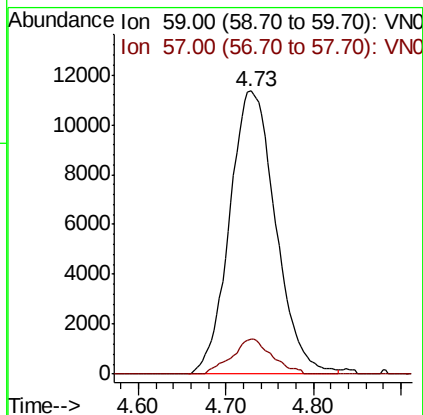
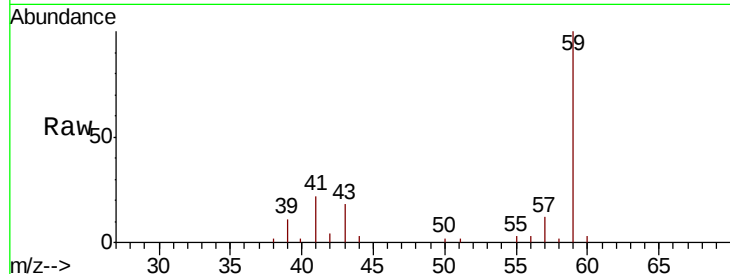


#11

Tert butyl alcohol
 Concen: 113.702 ug/l
 RT: 4.73 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VN060114.D
 Acq: 17 Feb 2020 13:13

Instrument :
 MSVOA_N
 ClientSampleId :

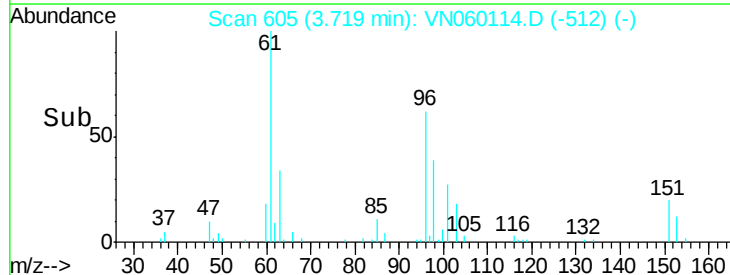
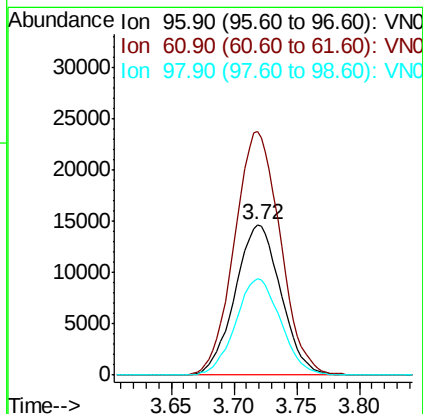
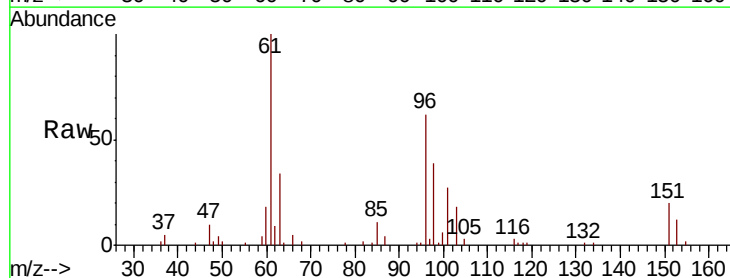
Tot Ion: 59 Resp: 41466
 Ion Ratio Lower Upper
 59 100
 57 10.8 8.2 12.4

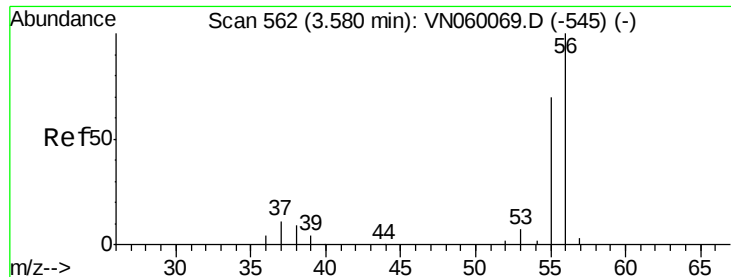


#12

1,1-Dichloroethene
 Concen: 19.698 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. -0.00 min
 Lab File: VN060114.D
 Acq: 17 Feb 2020 13:13

Tgt Ion: 96 Resp: 37299
 Ion Ratio Lower Upper
 96 100
 61 161.5 128.3 192.5
 98 63.6 52.2 78.4





#13

Acrolein

Concen: 93.427 ug/l

RT: 3.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VN060114.D

Acq: 17 Feb 2020 13:13

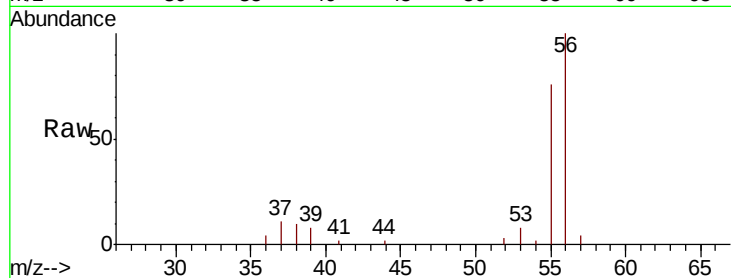
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 33678

Ion Ratio Lower Upper

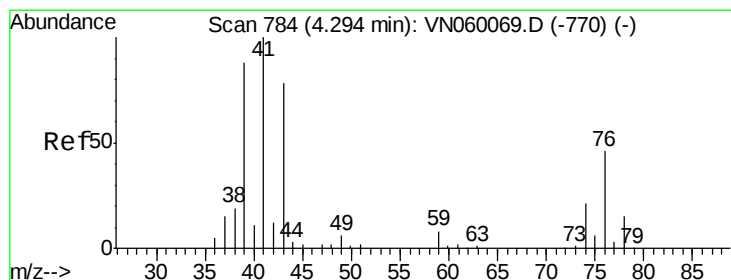
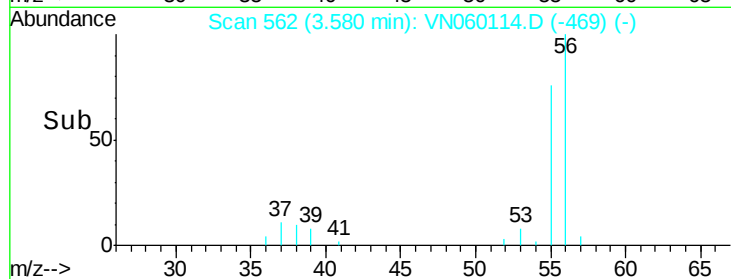
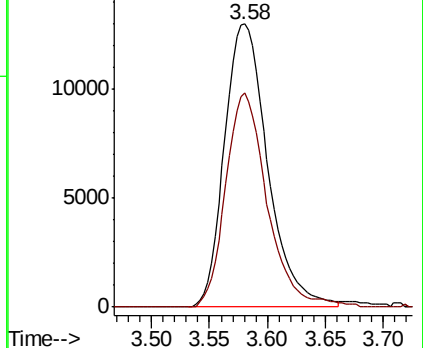
56 100

55 72.7 54.8 82.2



Abundance Ion 56.00 (55.70 to 56.70): VN060114.D (-469) (-)

Ion 55.00 (54.70 to 55.70): VN060114.D (-469) (-)



#14

Allyl chloride

Concen: 20.874 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.01 min

Lab File: VN060114.D

Acq: 17 Feb 2020 13:13

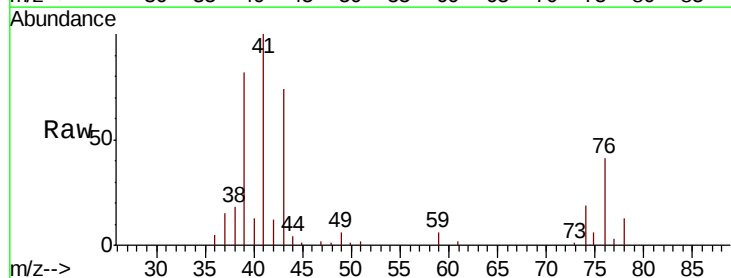
Tgt Ion: 41 Resp: 58177

Ion Ratio Lower Upper

41 100

39 81.1 67.8 101.8

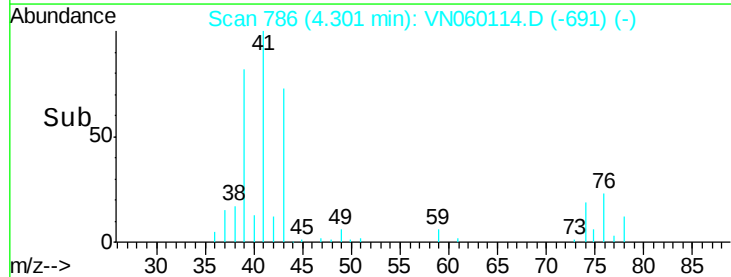
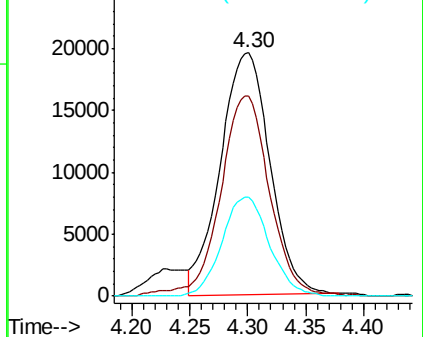
76 39.1 33.9 50.9

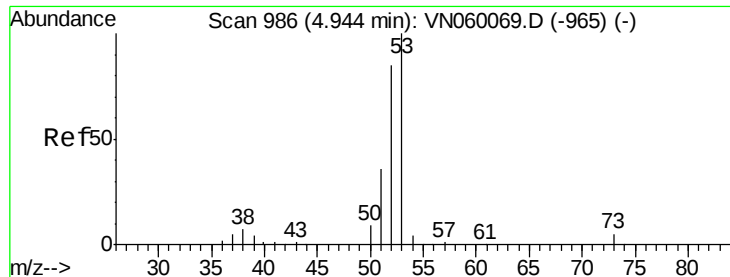


Abundance Ion 41.00 (40.70 to 41.70): VN060114.D (-691) (-)

Ion 39.00 (38.70 to 39.70): VN060114.D (-691) (-)

Ion 75.90 (75.60 to 76.60): VN060114.D (-691) (-)





#15

Acrylonitrile

Concen: 117.679 ug/l

RT: 4.95 min Scan# 987

Delta R.T. 0.00 min

Lab File: VN060114.D

Acq: 17 Feb 2020 13:13

Instrument :

MSVOA_N

ClientSampled :

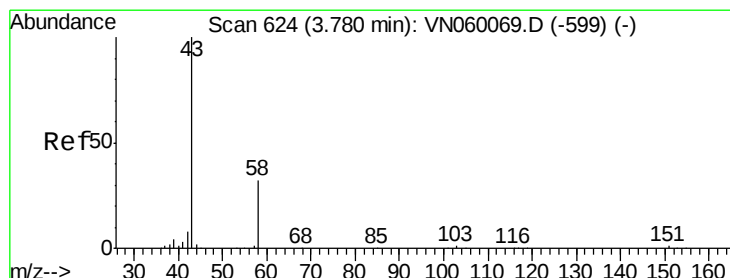
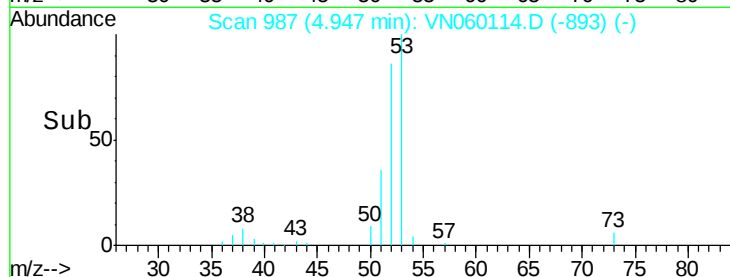
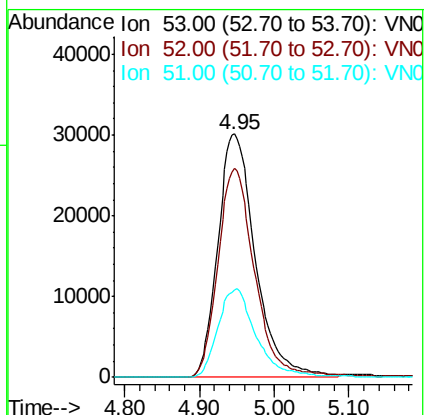
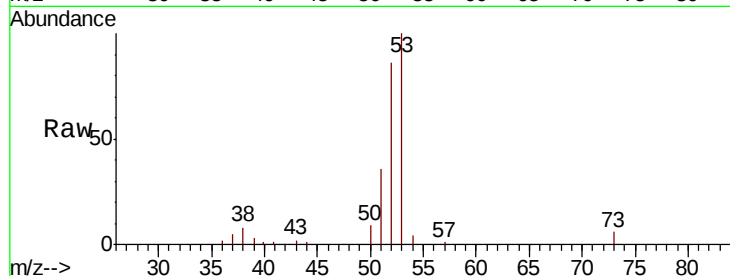
Tot Ion: 53 Resp: 104808

Ion Ratio Lower Upper

53 100

52 83.6 66.8 100.2

51 37.0 29.4 44.0



#16

Acetone

Concen: 108.576 ug/l

RT: 3.78 min Scan# 624

Delta R.T. -0.00 min

Lab File: VN060114.D

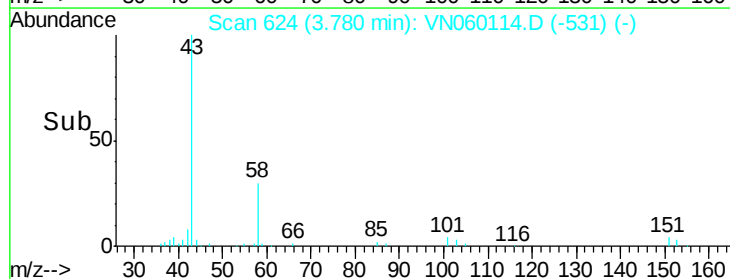
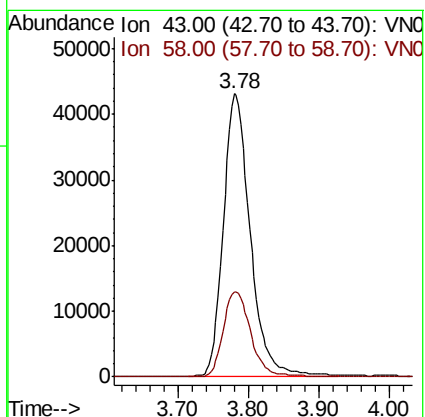
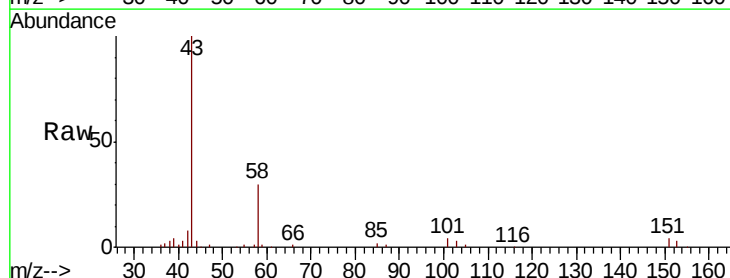
Acq: 17 Feb 2020 13:13

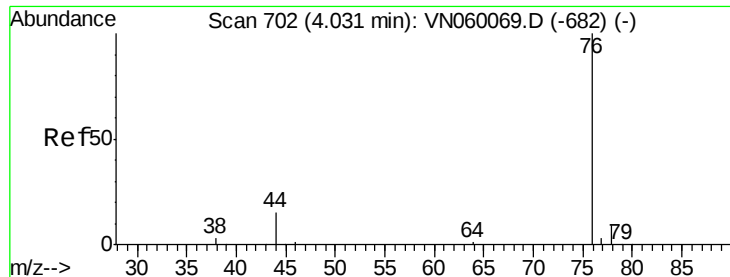
Tgt Ion: 43 Resp: 115419

Ion Ratio Lower Upper

43 100

58 29.9 25.2 37.8

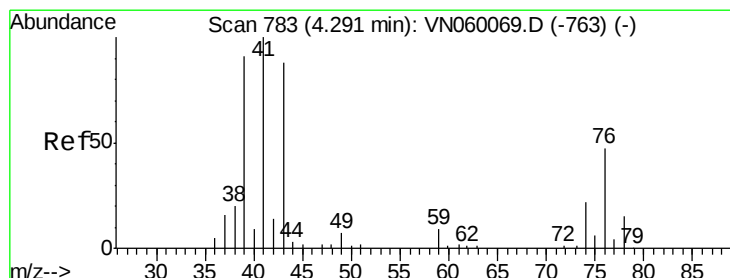
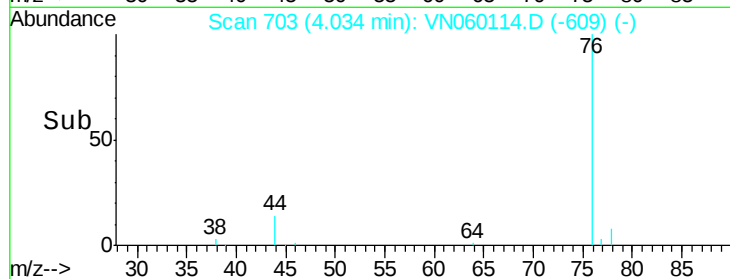
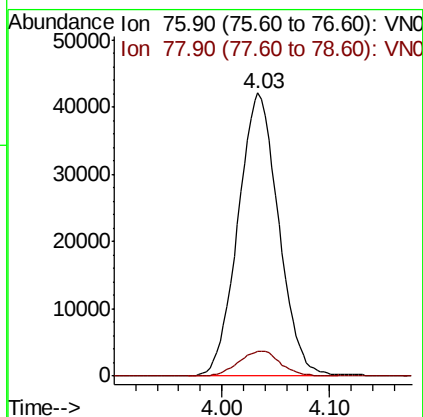
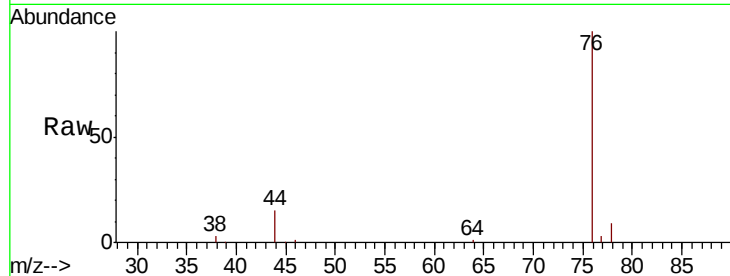




#17
Carbon Disulfide
Concen: 19.264 ug/l
RT: 4.03 min Scan# 703
Delta R.T. 0.00 min
Lab File: VN060114.D
Acq: 17 Feb 2020 13:13

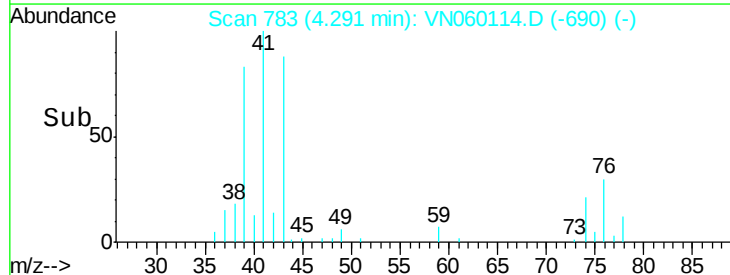
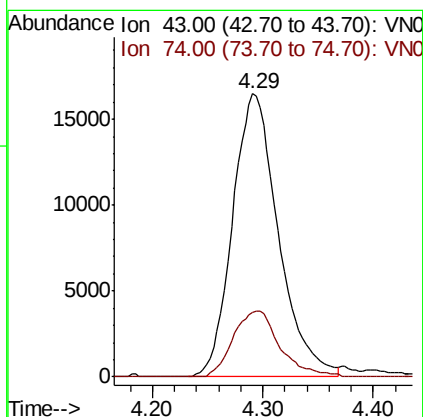
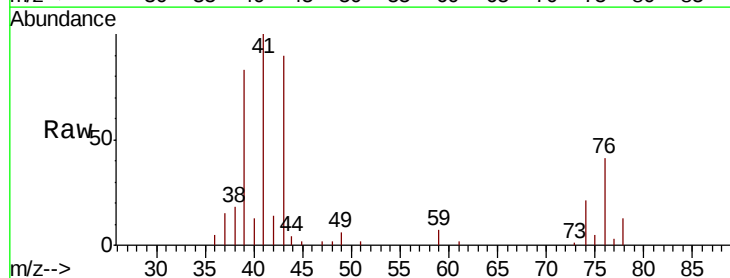
Instrument :
MSVOA_N
ClientSampleId :

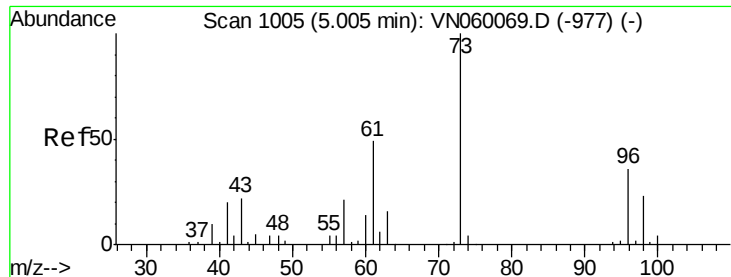
Tot Ion: 76 Resp: 109950
Ion Ratio Lower Upper
76 100
78 8.9 7.0 10.6



#18
Methyl Acetate
Concen: 23.770 ug/l
RT: 4.29 min Scan# 783
Delta R.T. -0.00 min
Lab File: VN060114.D
Acq: 17 Feb 2020 13:13

Tgt Ion: 43 Resp: 47466
Ion Ratio Lower Upper
43 100
74 23.7 20.3 30.5

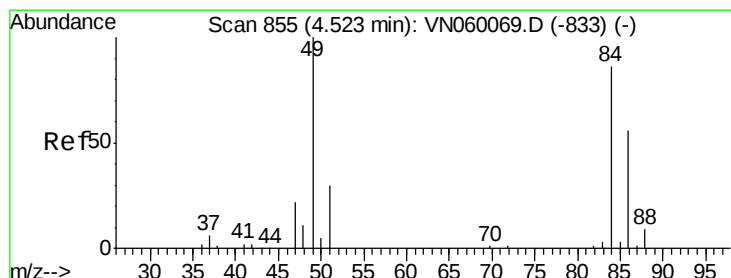
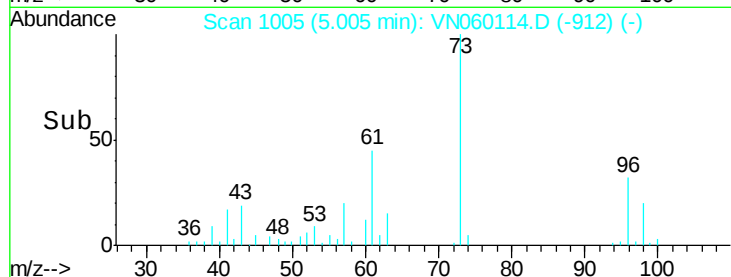
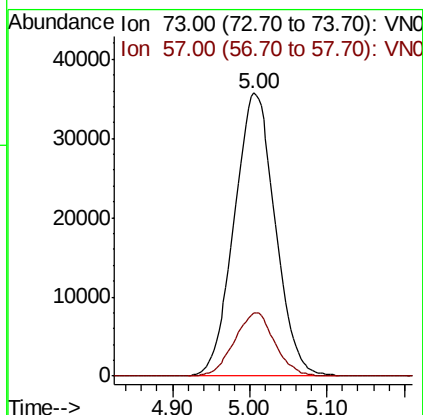
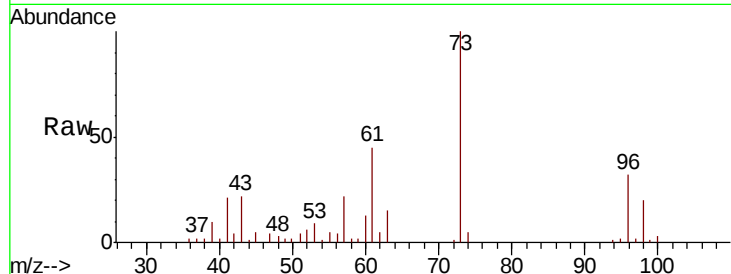




#19
Methvl tert-butvl Ether
Concen: 20.680 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. -0.00 min
Lab File: VN060114.D
Acq: 17 Feb 2020 13:13

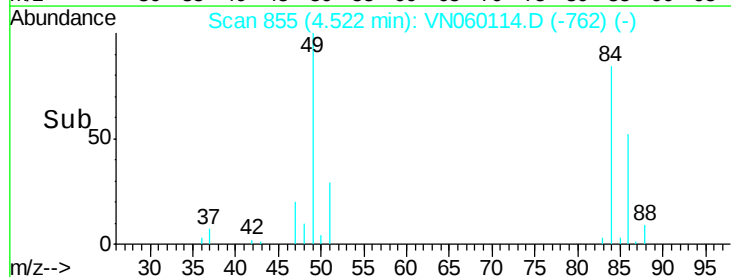
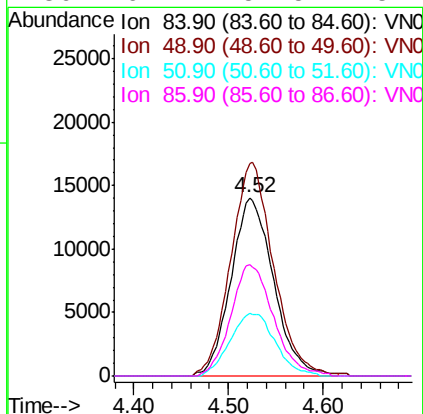
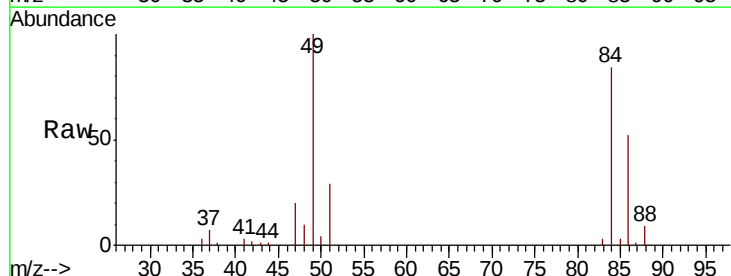
Instrument :
MSVOA_N
ClientSampled :

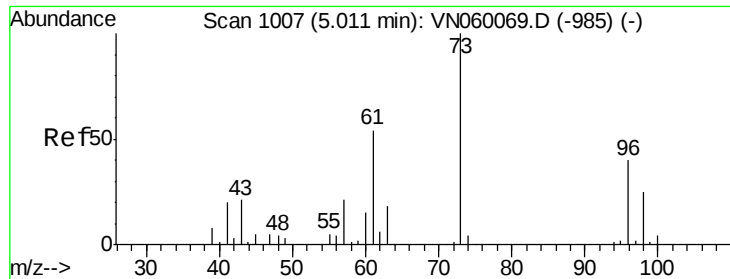
Tot Ion: 73 Resp: 131688
Ion Ratio Lower Upper
73 100
57 22.3 17.2 25.8



#20
Methylene Chloride
Concen: 20.709 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN060114.D
Acq: 17 Feb 2020 13:13

Tgt Ion: 84 Resp: 43919
Ion Ratio Lower Upper
84 100
49 118.8 93.4 140.0
51 34.9 28.4 42.6
86 62.2 52.5 78.7

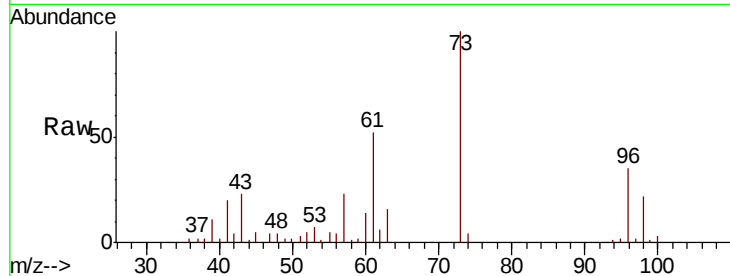




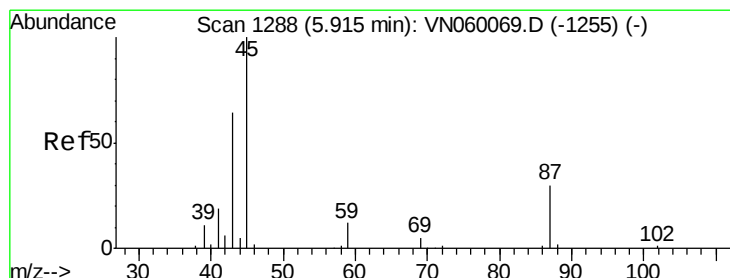
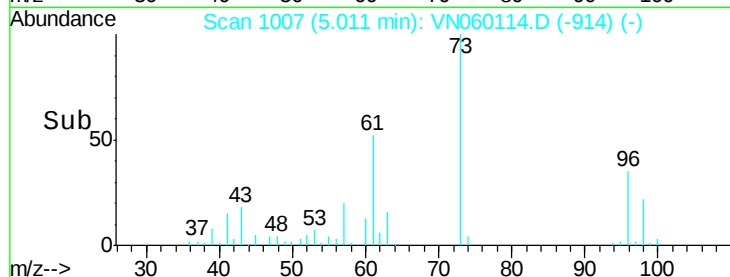
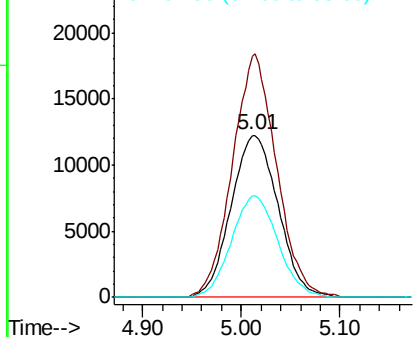
#21
trans-1,2-Dichloroethene
Concen: 19.669 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN060114.D
Acq: 17 Feb 2020 13:13

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 40600
Ion Ratio Lower Upper
96 100
61 149.2 109.3 163.9
98 62.5 51.0 76.6

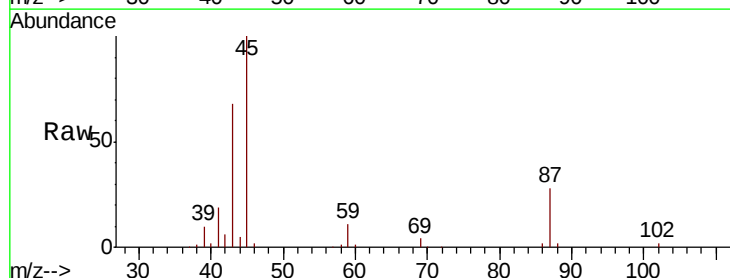


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

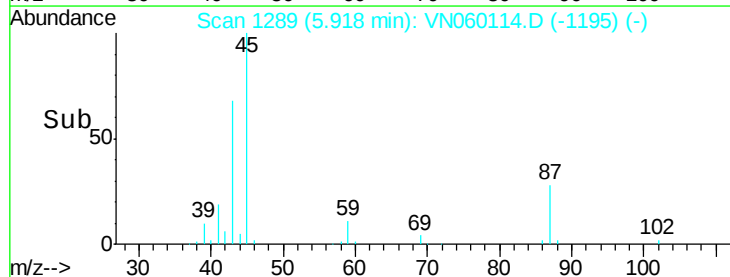
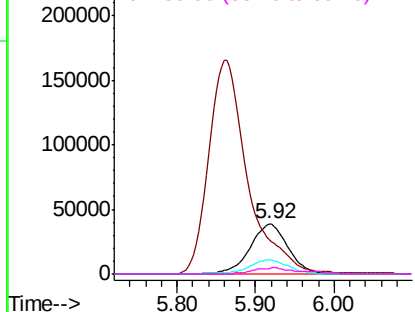


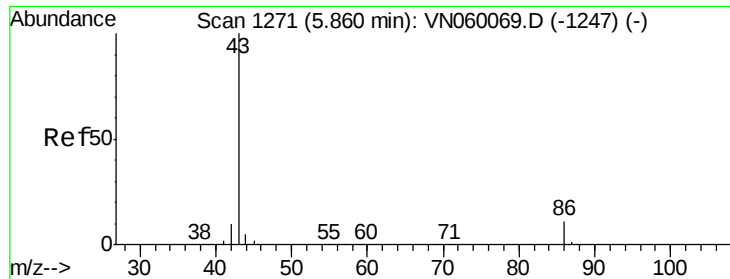
#22
Diisopropyl ether
Concen: 21.587 ug/l
RT: 5.92 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VN060114.D
Acq: 17 Feb 2020 13:13

Tgt Ion: 45 Resp: 131857
Ion Ratio Lower Upper
45 100
43 65.5 55.9 83.9
87 27.8 24.5 36.7
59 10.9 9.9 14.9



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





#23

Vinyl Acetate

Concen: 110.294 ug/l

RT: 5.86 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VN060114.D

Acq: 17 Feb 2020 13:13

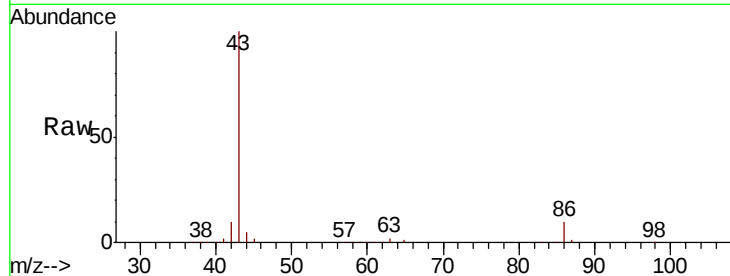
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 565733

Ion Ratio Lower Upper

43 100

86 10.2 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VN060114.D (-1178) (-)

Ion 86.00 (85.70 to 86.70): VN060114.D (-1178) (-)

5.86

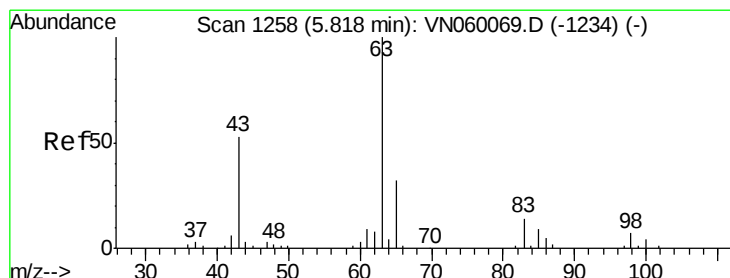
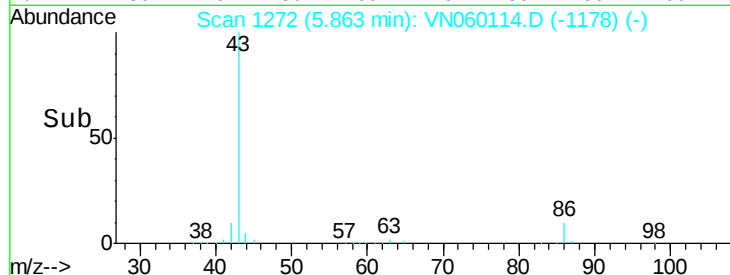
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.709 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VN060114.D

Acq: 17 Feb 2020 13:13

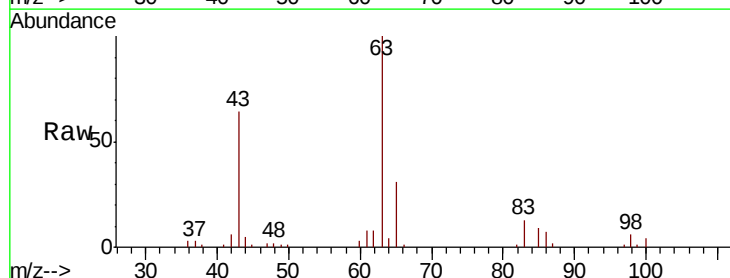
Tgt Ion: 63 Resp: 76625

Ion Ratio Lower Upper

63 100

98 5.8 3.5 10.5

100 4.2 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VN060114.D (-1165) (-)

Ion 97.90 (97.60 to 98.60): VN060114.D (-1165) (-)

Ion 99.90 (99.60 to 100.60): VN060114.D (-1165) (-)

5.82

30000

25000

20000

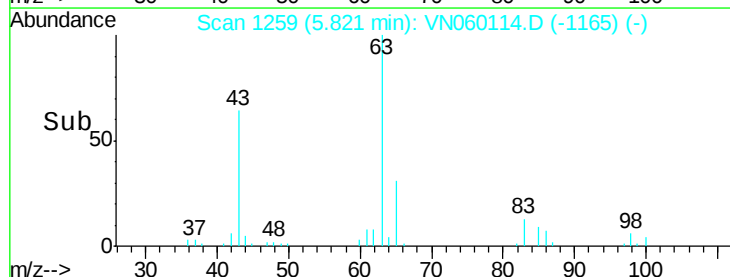
15000

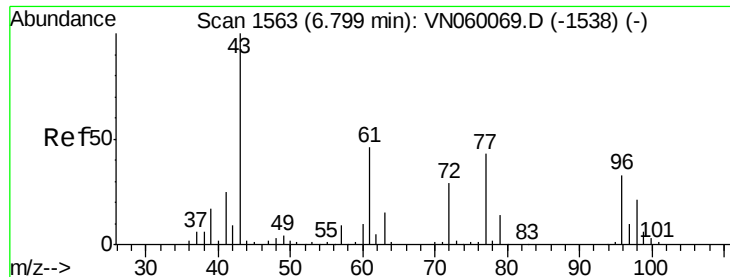
10000

5000

0

Time-->





#25

2-Butanone

Concen: 116.165 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN060114.D

Acq: 17 Feb 2020 13:13

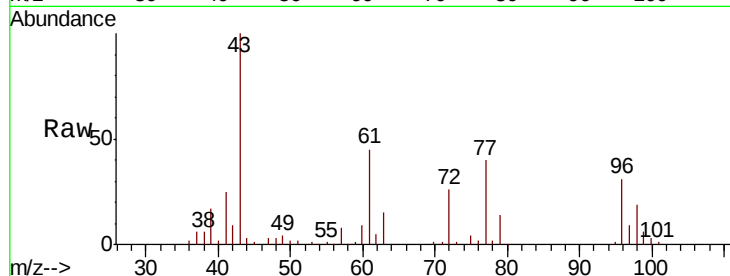
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 155306

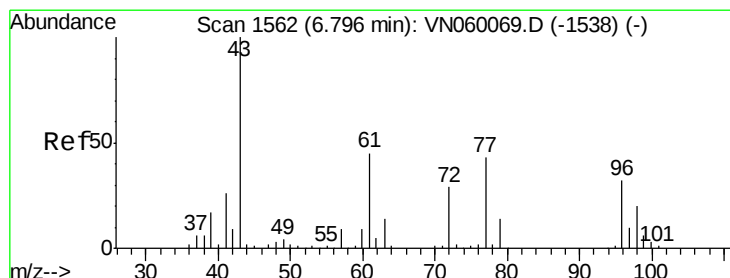
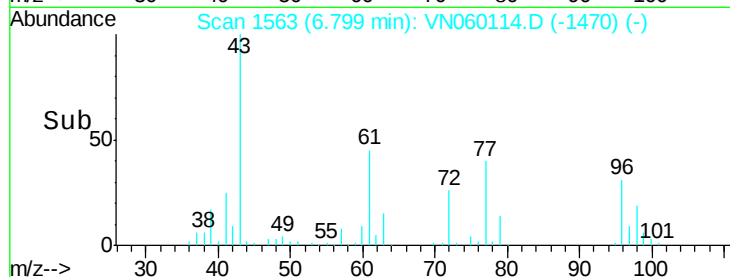
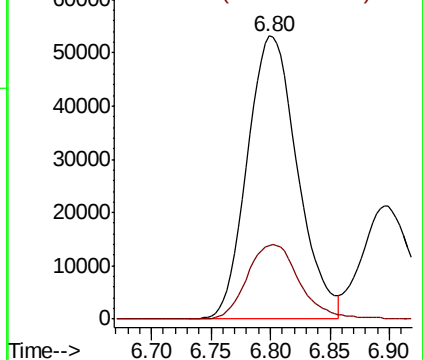
Ion Ratio Lower Upper

43 100

72 26.1 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 19.731 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060114.D

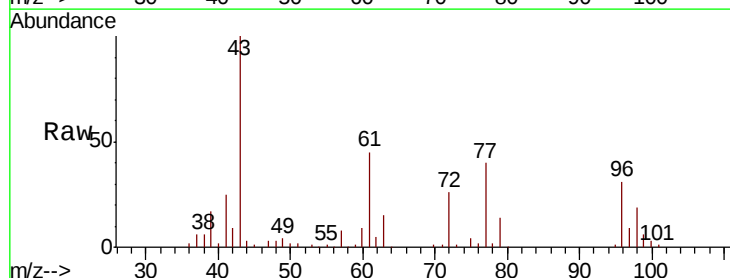
Acq: 17 Feb 2020 13:13

Tgt Ion: 77 Resp: 69344

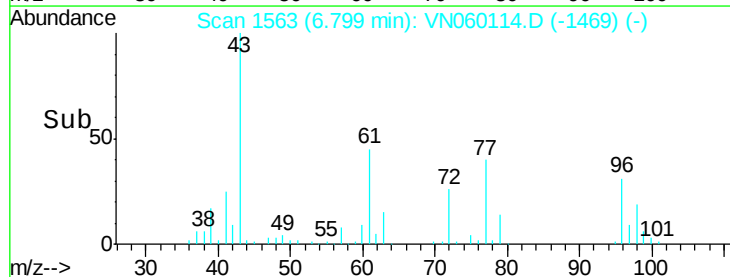
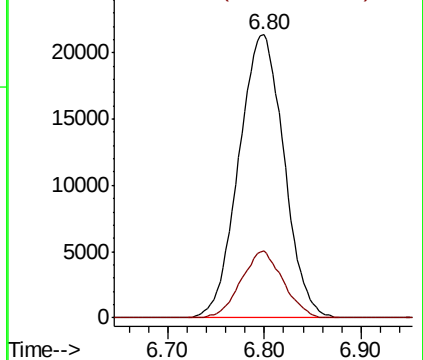
Ion Ratio Lower Upper

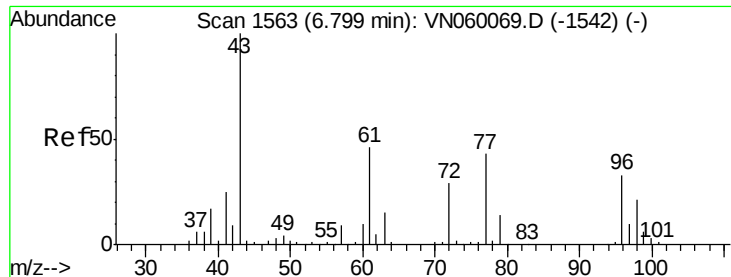
77 100

97 22.0 11.4 34.2



Abundance Ion 76.90 (76.60 to 77.60): VN0
Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 19.492 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN060114.D

Acq: 17 Feb 2020 13:13

Instrument :
MSVOA_N
ClientSampled :

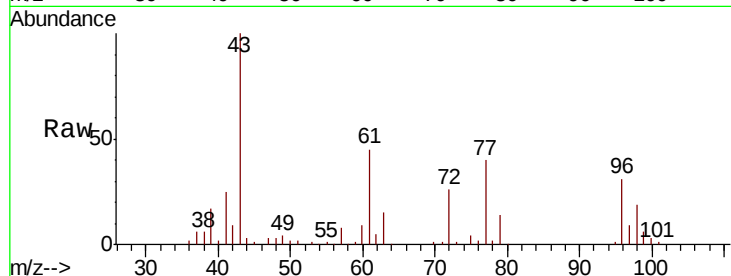
Tot Ion: 96 Resp: 47087

Ion Ratio Lower Upper

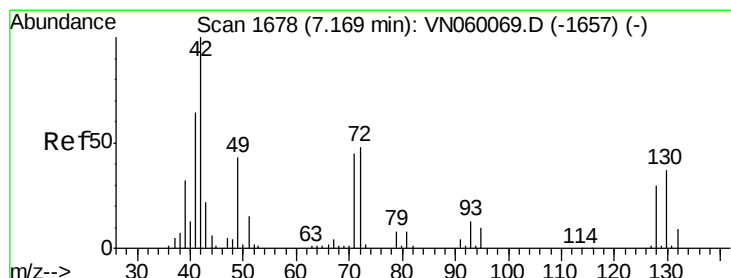
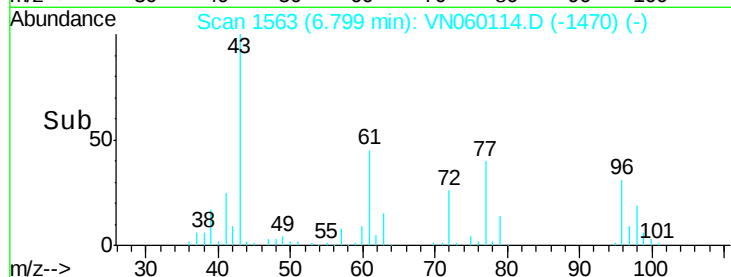
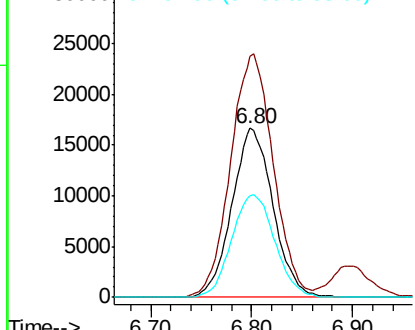
96 100

61 149.6 0.0 285.8

98 63.7 0.0 129.6



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: 23.093 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. -0.00 min

Lab File: VN060114.D

Acq: 17 Feb 2020 13:13

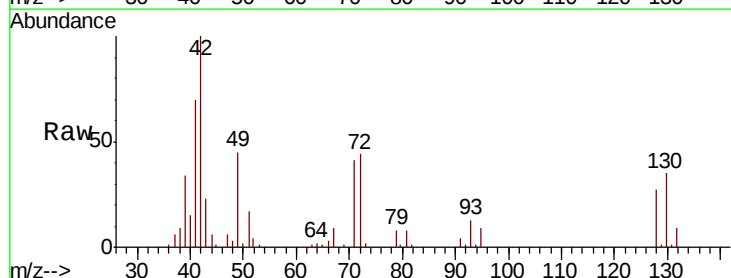
Tgt Ion: 49 Resp: 33593

Ion Ratio Lower Upper

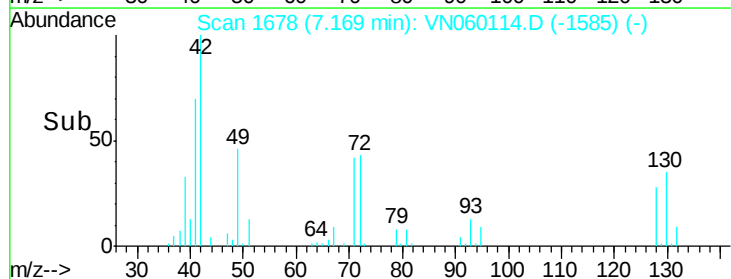
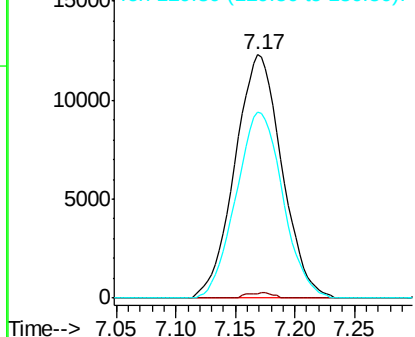
49 100

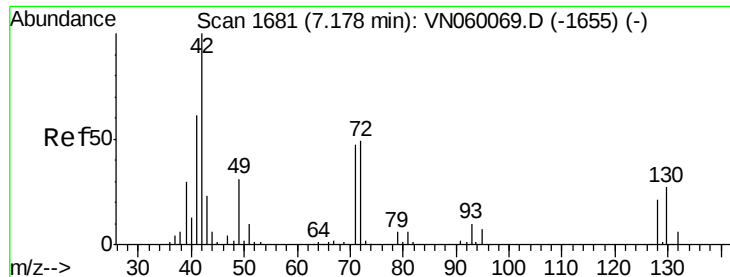
129 1.2 0.0 2.2

130 76.2 66.8 100.2



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

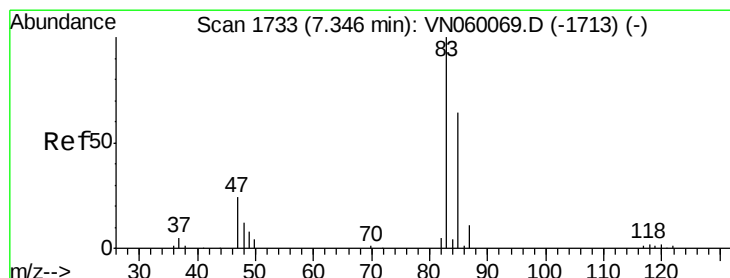
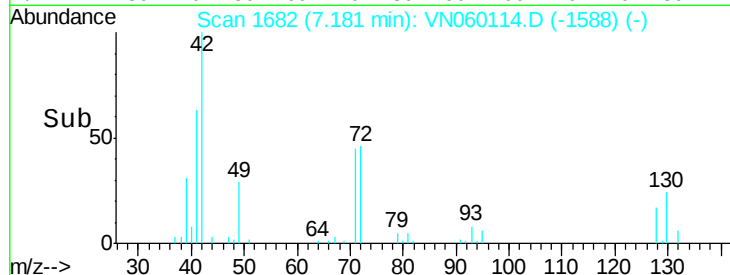
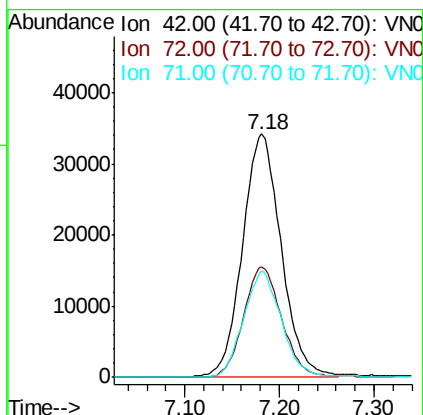
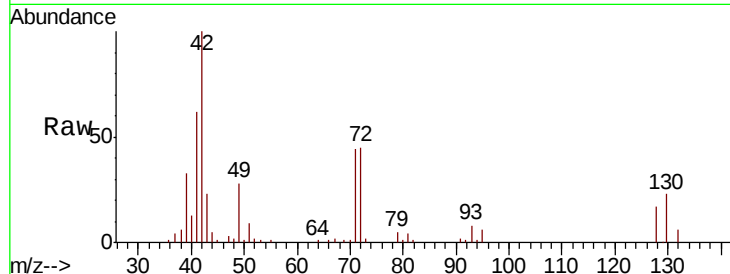




#29
Tetrahydrofuran
Concen: 118.752 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VN060114.D
Acq: 17 Feb 2020 13:13

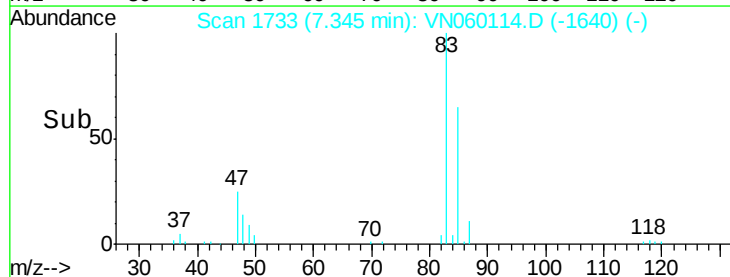
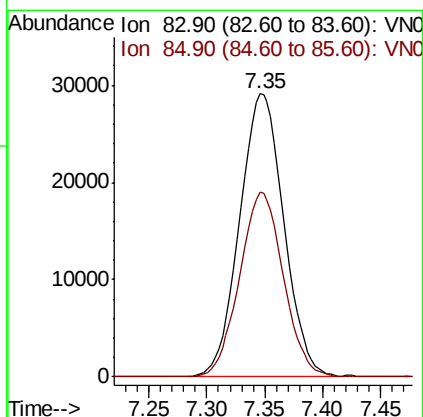
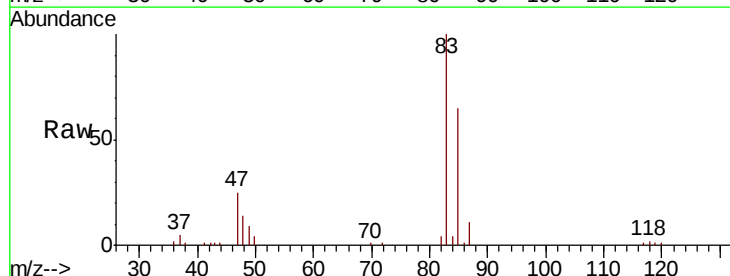
Instrument :
MSVOA_N
ClientSampled :

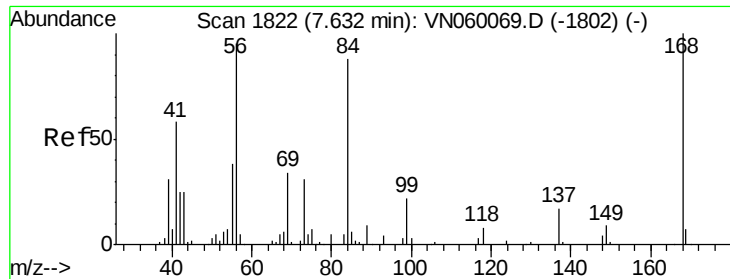
Tot Ion: 42 Resp: 97399
Ion Ratio Lower Upper
42 100
72 44.7 38.2 57.4
71 42.6 36.6 54.8



#30
Chloroform
Concen: 19.934 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN060114.D
Acq: 17 Feb 2020 13:13

Tgt Ion: 83 Resp: 77263
Ion Ratio Lower Upper
83 100
85 65.2 51.4 77.0

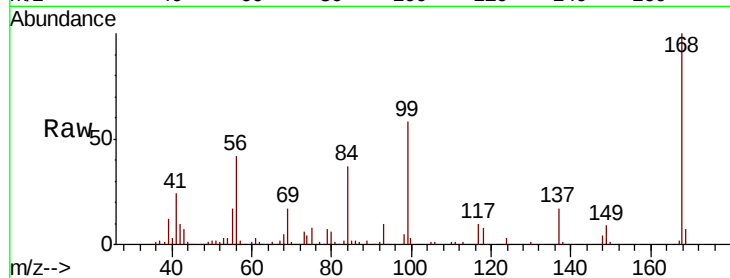




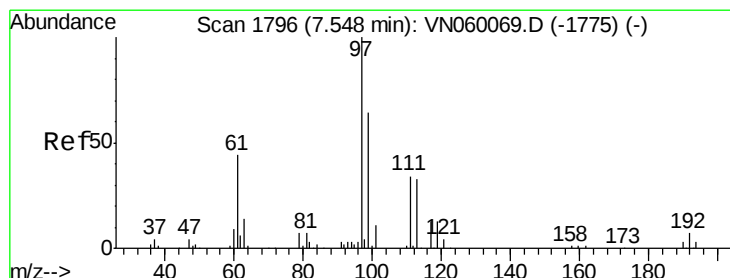
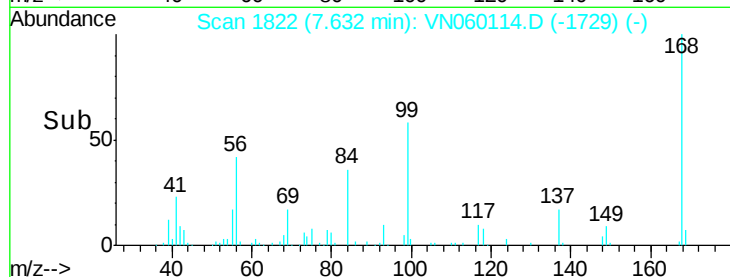
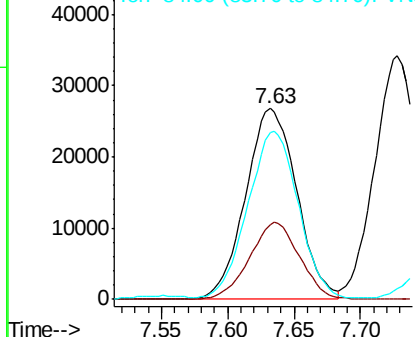
#31
Cyclohexane
Concen: 20.985 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VN060114.D
Acq: 17 Feb 2020 13:13

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 72330
Ion Ratio Lower Upper
56 100
69 39.2 28.3 42.5
84 86.3 72.6 108.8

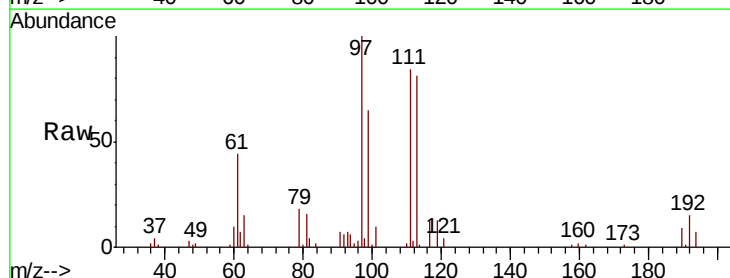


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

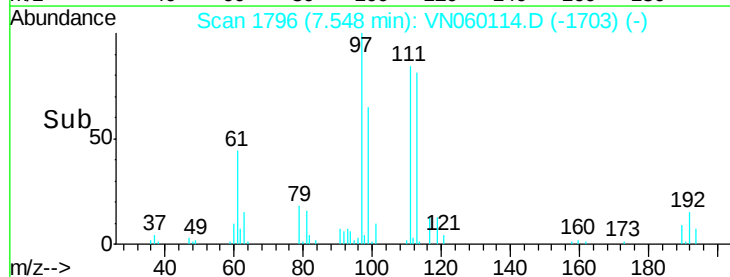
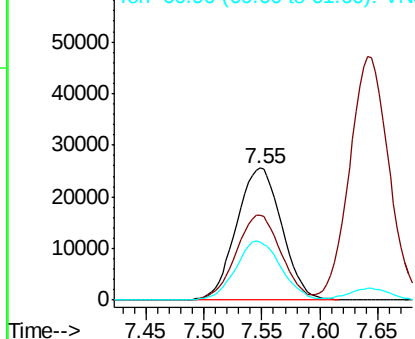


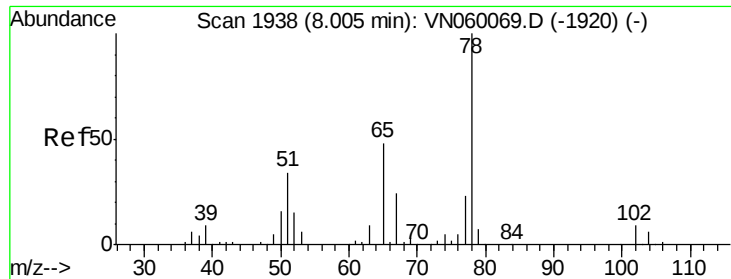
#32
1,1,1-Trichloroethane
Concen: 19.707 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN060114.D
Acq: 17 Feb 2020 13:13

Tgt Ion: 97 Resp: 69802
Ion Ratio Lower Upper
97 100
99 63.8 51.4 77.0
61 44.3 34.9 52.3



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

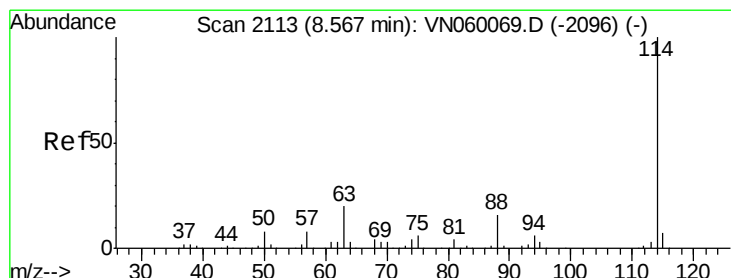
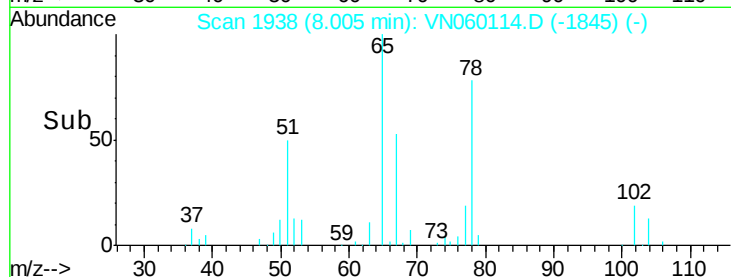
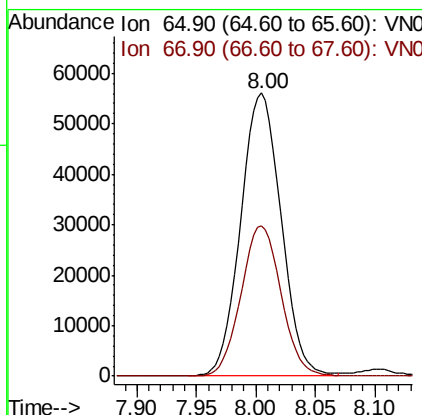
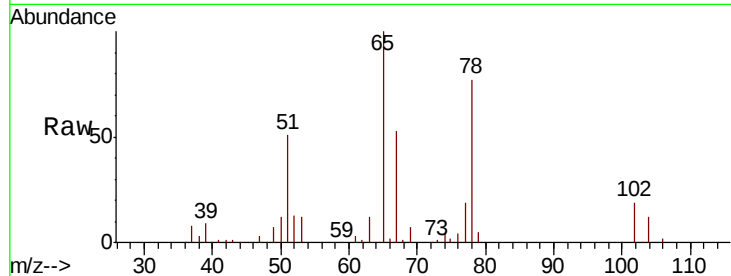




#33
 1,2-Dichloroethane-d4
 Concen: 54.275 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN060114.D
 Acq: 17 Feb 2020 13:13

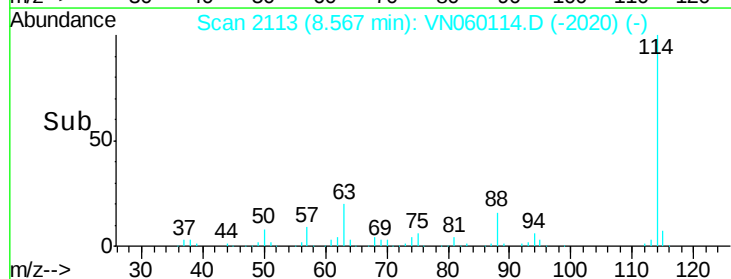
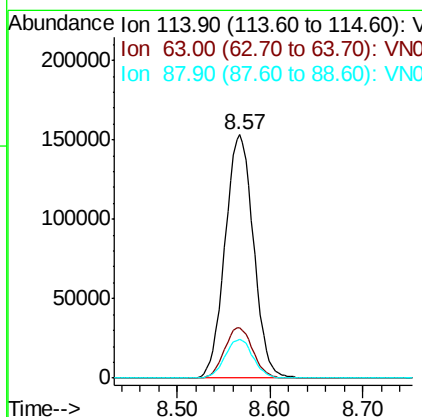
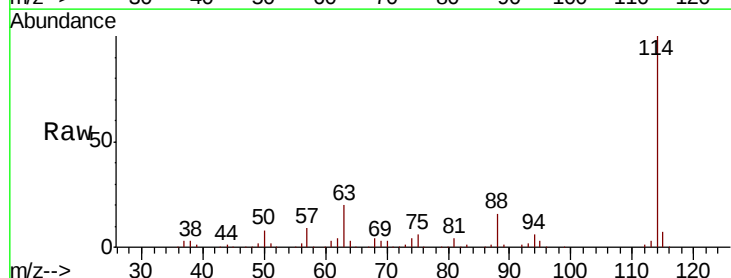
Instrument :
 MSVOA_N
 ClientSampleId :

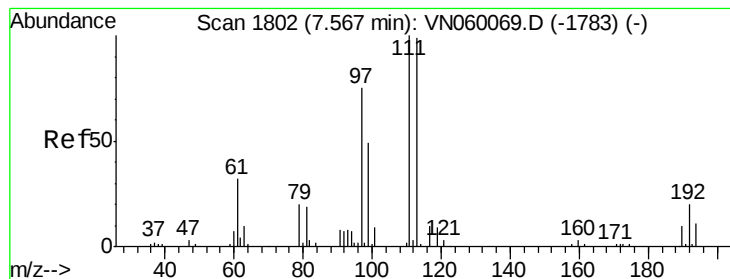
Tot Ion: 65 Resp: 132270
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN060114.D
 Acq: 17 Feb 2020 13:13

Tgt Ion: 114 Resp: 326185
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 40.0
 88 16.0 0.0 31.6





#35

Dibromofluoromethane

Concen: 49.989 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN060114.D

Acq: 17 Feb 2020 13:13

Instrument :
MSVOA_N
ClientSampled :

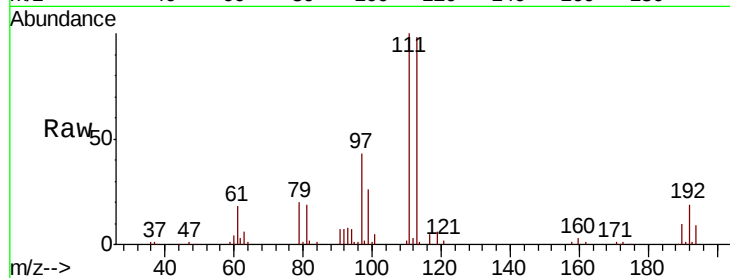
Tot Ion:113 Resp: 100231

Ion Ratio Lower Upper

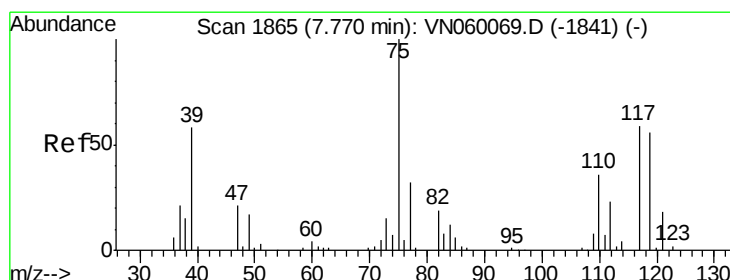
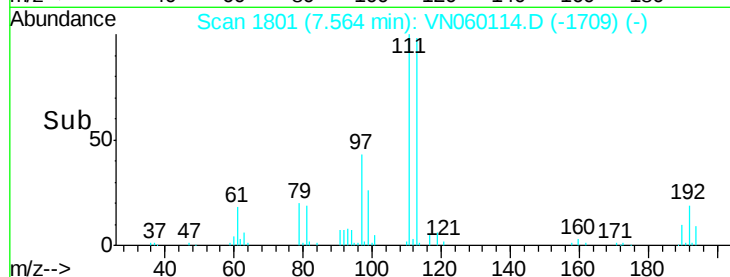
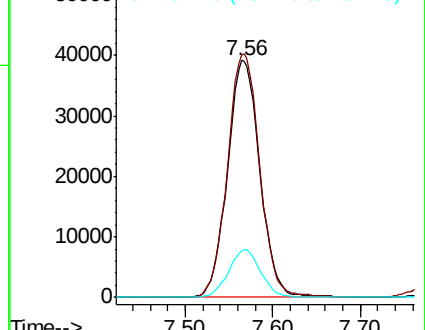
113 100

111 102.8 81.4 122.2

192 19.9 16.2 24.2



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 19.157 ug/l

RT: 7.77 min Scan# 1865

Delta R.T. -0.00 min

Lab File: VN060114.D

Acq: 17 Feb 2020 13:13

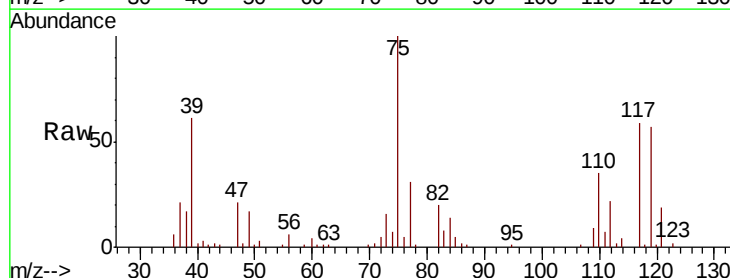
Tgt Ion: 75 Resp: 57879

Ion Ratio Lower Upper

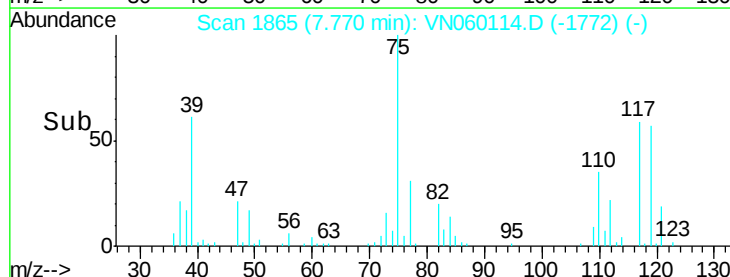
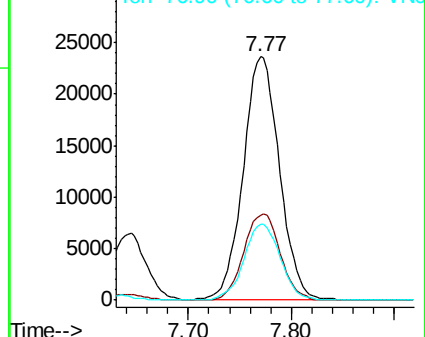
75 100

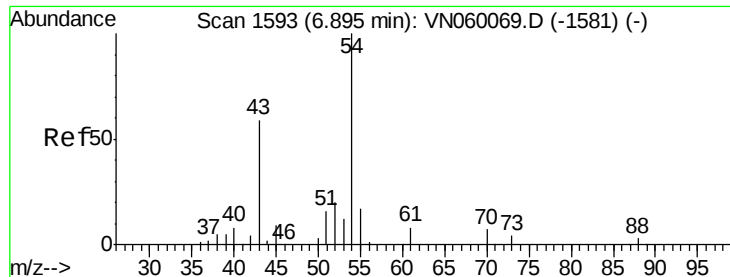
110 35.4 18.1 54.3

77 31.2 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

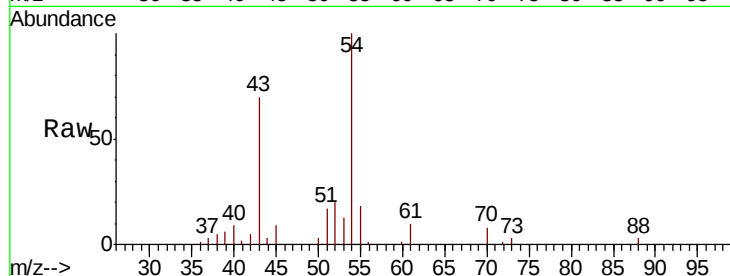




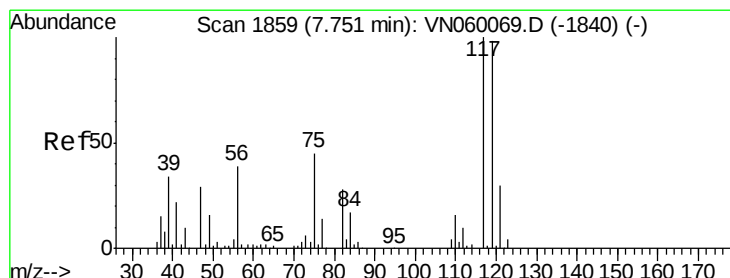
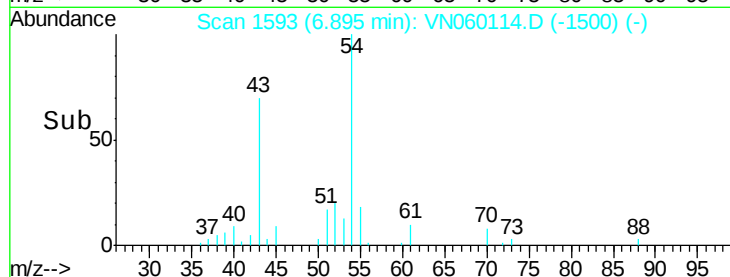
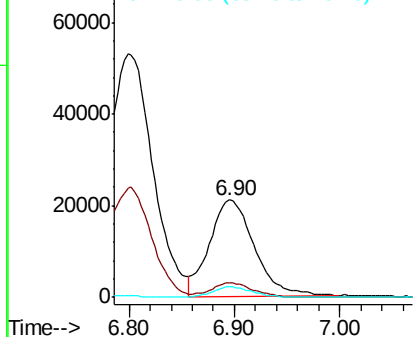
#37
Ethyl Acetate
Concen: 22.647 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. -0.00 min
Lab File: VN060114.D
Acq: 17 Feb 2020 13:13

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 61838
Ion Ratio Lower Upper
43 100
61 14.4 11.4 17.2
70 9.8 8.7 13.1

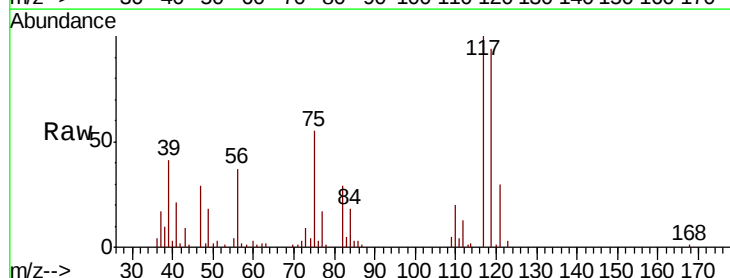


Abundance Ion 43.00 (42.70 to 43.70): VN060114.D (-1500) (-)
Ion 60.90 (60.60 to 61.60): VN060114.D (-1500) (-)
Ion 70.00 (69.70 to 70.70): VN060114.D (-1500) (-)

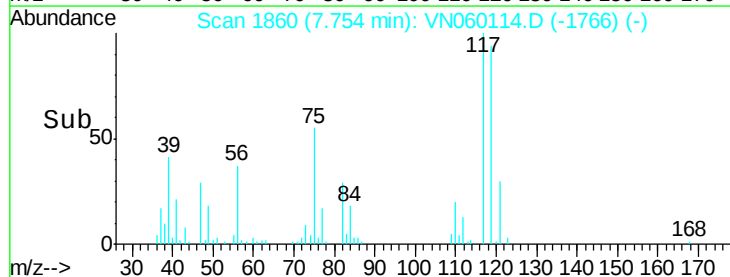
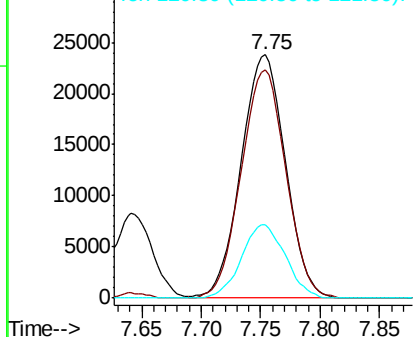


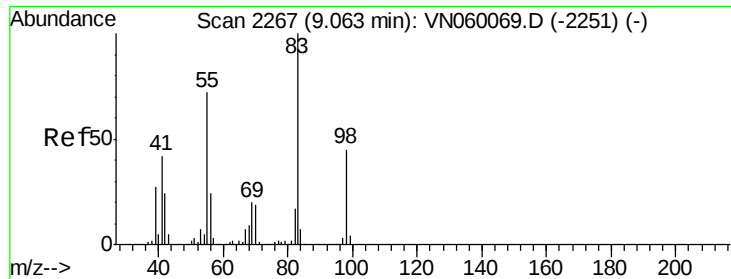
#38
Carbon Tetrachloride
Concen: 18.755 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN060114.D
Acq: 17 Feb 2020 13:13

Tgt Ion: 117 Resp: 61538
Ion Ratio Lower Upper
117 100
119 94.0 78.2 117.4
121 30.0 24.2 36.2



Abundance Ion 116.80 (116.50 to 117.50): VN060114.D (-1766) (-)
Ion 118.80 (118.50 to 119.50): VN060114.D (-1766) (-)
Ion 120.80 (120.50 to 121.50): VN060114.D (-1766) (-)

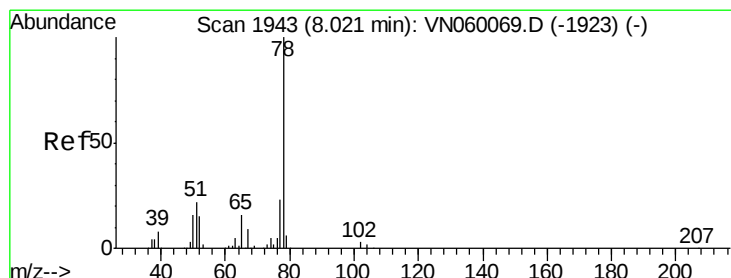
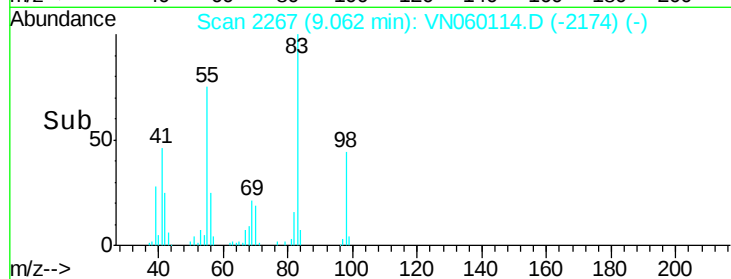
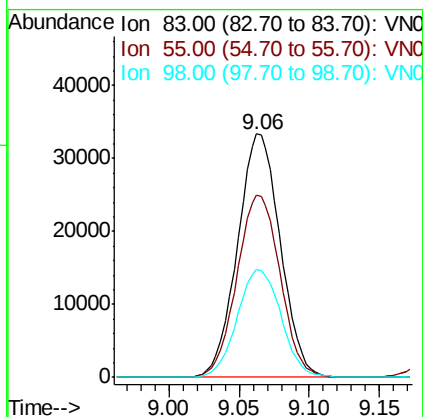
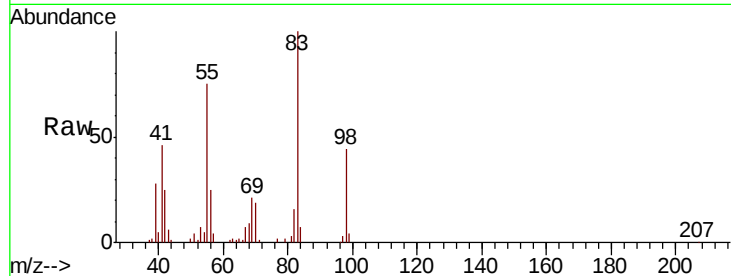




#39
Methvlcvclohexane
Concen: 18.893 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060114.D
Acq: 17 Feb 2020 13:13

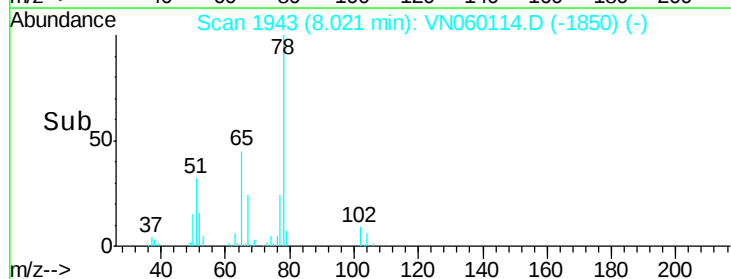
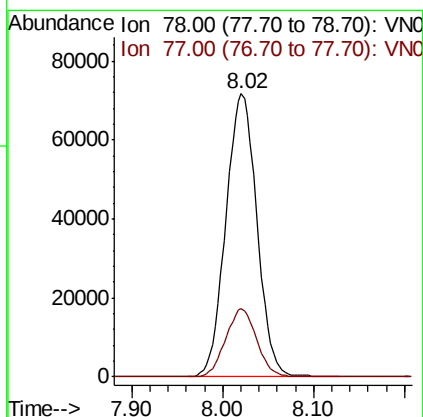
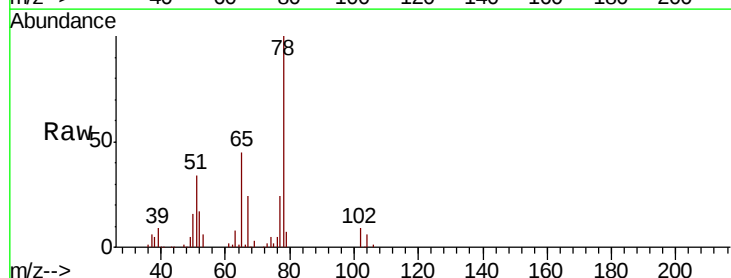
Instrument :
MSVOA_N
ClientSampleId :

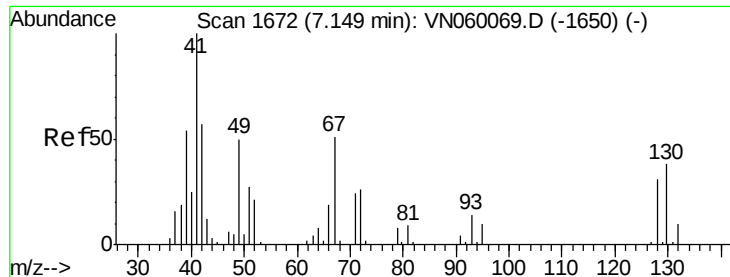
Tot Ion	83	Resp	70856
Ion	Ratio	Lower	Upper
83	100		
55	74.7	57.8	86.8
98	44.3	36.4	54.6



#40
Benzene
Concen: 18.994 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN060114.D
Acq: 17 Feb 2020 13:13

Tgt Ion	78	Resp	170225
Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.8	28.2

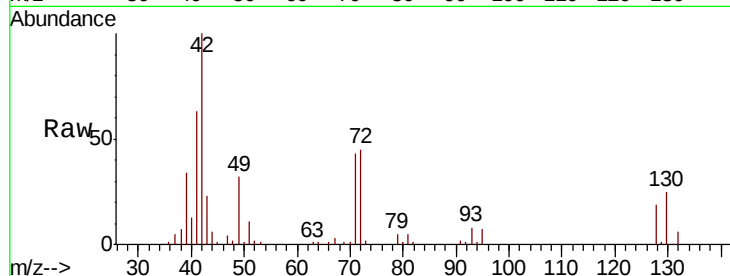




#41
Methacrylonitrile
Concen: 78.020 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.03 min
Lab File: VN060114.D
Acq: 17 Feb 2020 13:13

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:	41	Resp:	89341
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

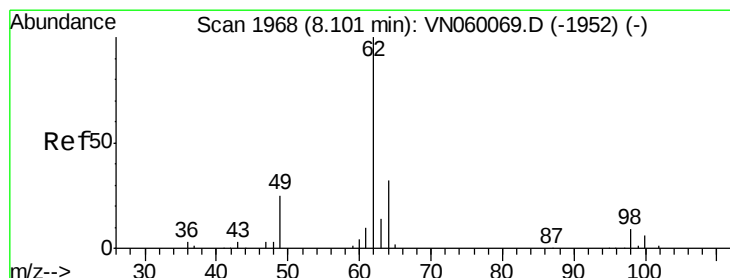
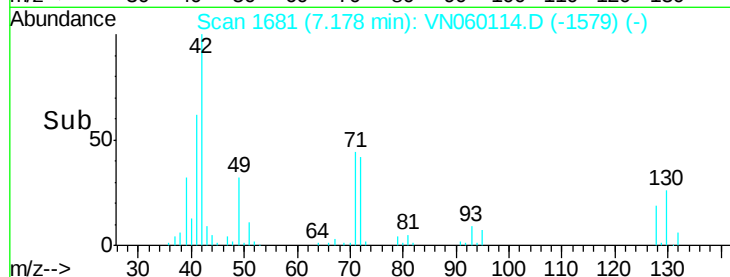
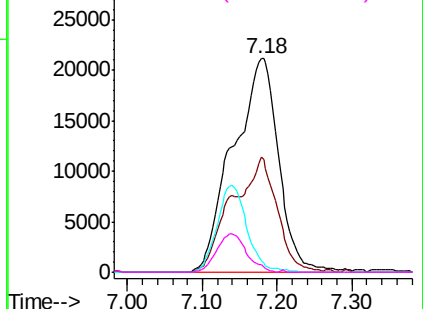


Abundance Ion 41.00 (40.70 to 41.70): VN060114.D (-1650) (-)

Ion 39.00 (38.70 to 39.70): VN060114.D (-1650) (-)

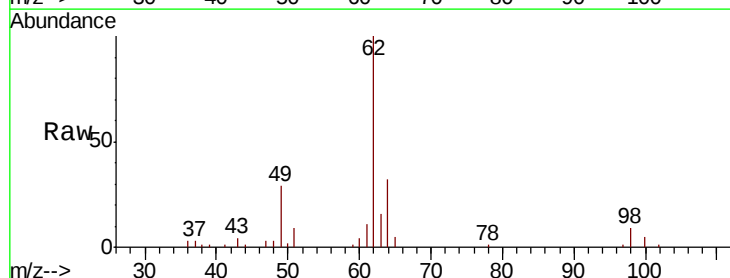
Ion 67.00 (66.70 to 67.70): VN060114.D (-1650) (-)

Ion 52.00 (51.70 to 52.70): VN060114.D (-1650) (-)



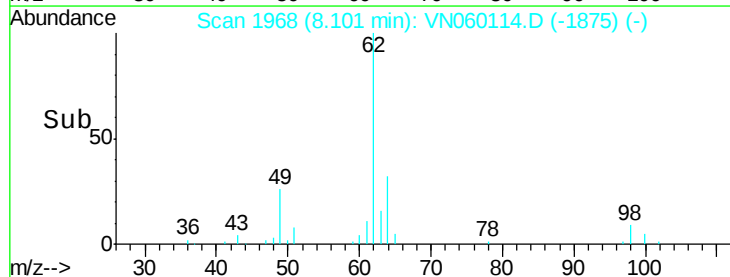
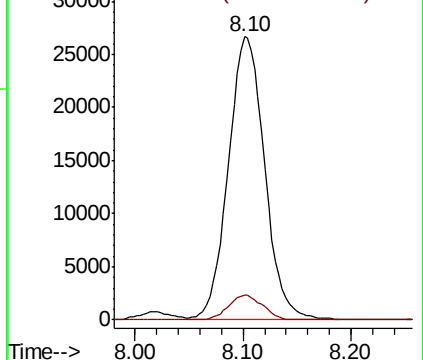
#42
1,2-Dichloroethane
Concen: 19.938 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN060114.D
Acq: 17 Feb 2020 13:13

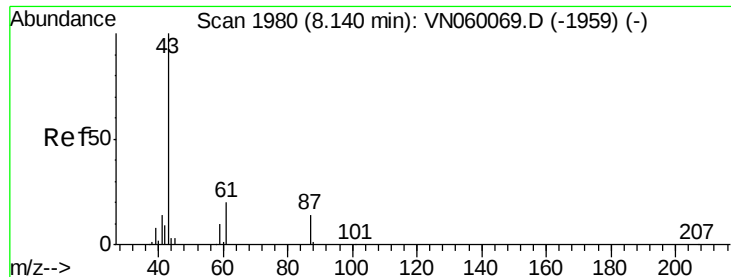
Tgt Ion:	62	Resp:	62628
Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	18.2



Abundance Ion 61.90 (61.60 to 62.60): VN060114.D (-1875) (-)

Ion 97.90 (97.60 to 98.60): VN060114.D (-1875) (-)





#43

Isopropyl Acetate

Concen: 22.005 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. -0.00 min

Lab File: VN060114.D

Acq: 17 Feb 2020 13:13

Instrument :

MSVOA_N

ClientSampleId :

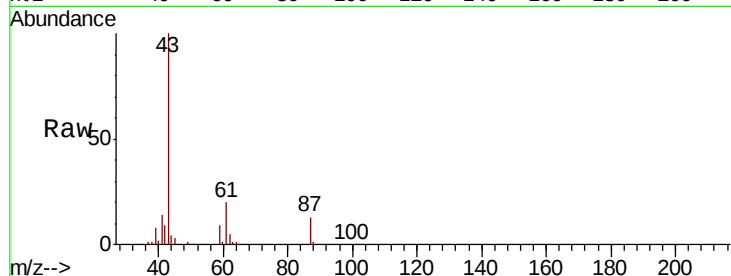
Tot Ion: 43 Resp: 102710

Ion Ratio Lower Upper

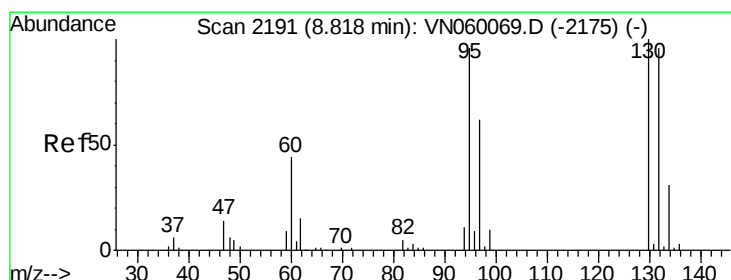
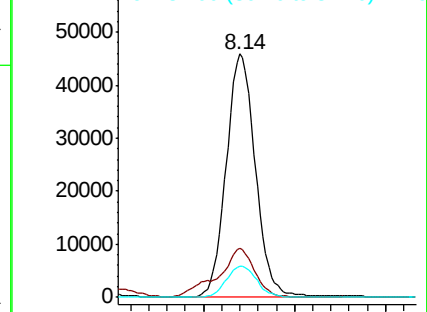
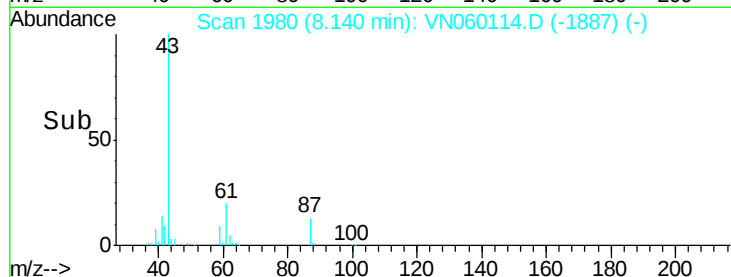
43 100

61 25.1 21.8 32.6

87 13.2 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VN060114.D (-1887) (-)



#44

Trichloroethene

Concen: 18.249 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. -0.00 min

Lab File: VN060114.D

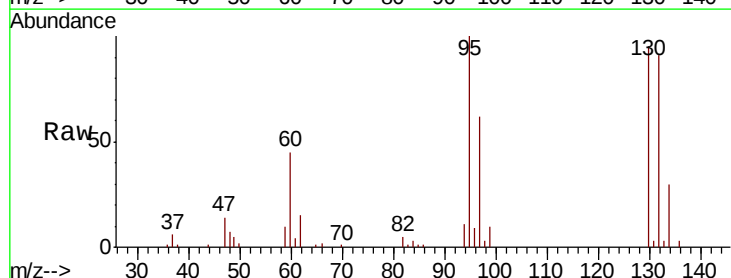
Acq: 17 Feb 2020 13:13

Tgt Ion: 130 Resp: 45287

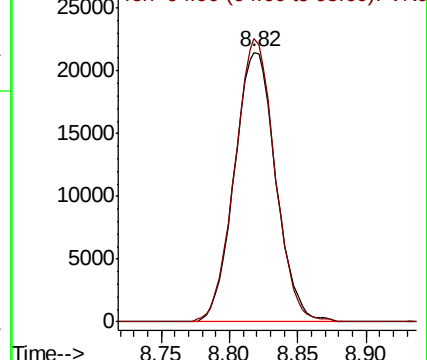
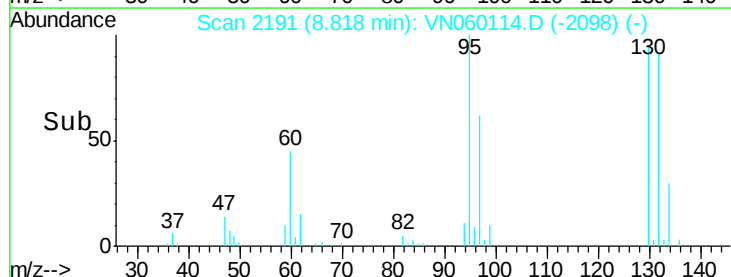
Ion Ratio Lower Upper

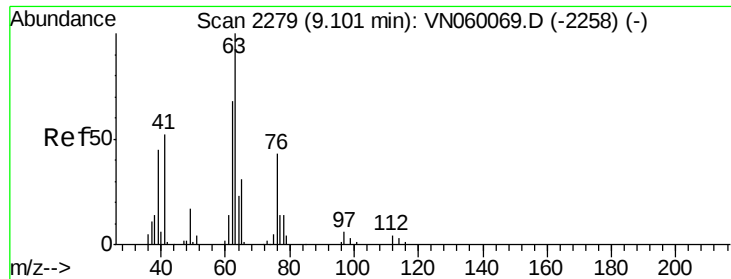
130 100

95 105.0 0.0 192.4



Abundance Ion 129.80 (129.50 to 130.50): VN060114.D (-2098) (-)





#45

1,2-Dichloropropane

Concen: 20.110 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. -0.00 min

Lab File: VN060114.D

Acq: 17 Feb 2020 13:13

Instrument :

MSVOA_N

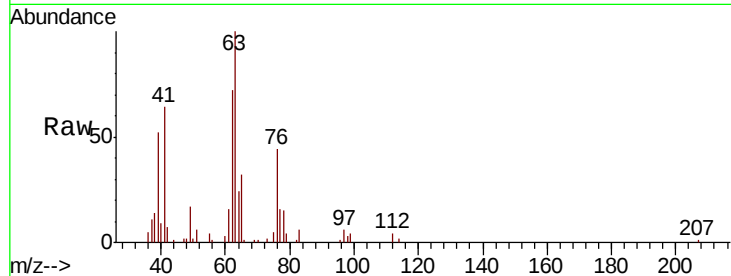
ClientSampleId :

Tot Ion: 63 Resp: 44621

Ion Ratio Lower Upper

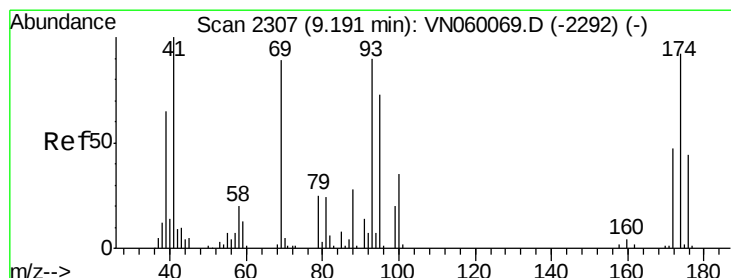
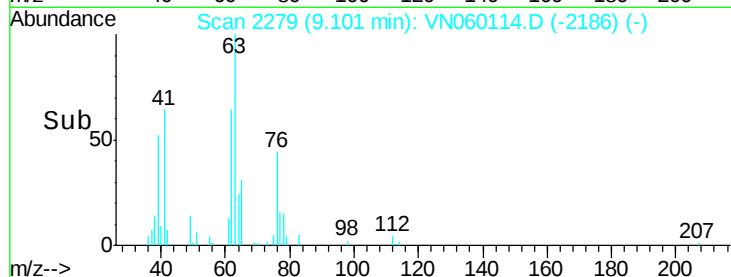
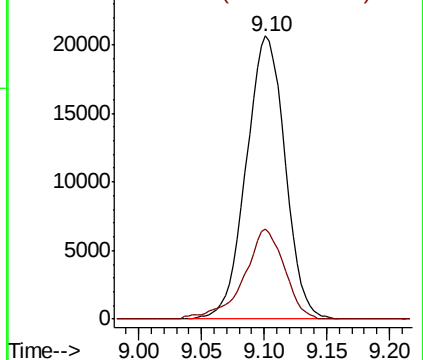
63 100

65 31.7 25.0 37.4



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 19.459 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. -0.00 min

Lab File: VN060114.D

Acq: 17 Feb 2020 13:13

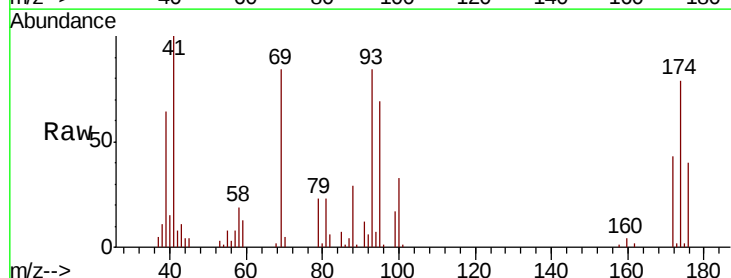
Tgt Ion: 93 Resp: 30511

Ion Ratio Lower Upper

93 100

95 82.7 65.0 97.6

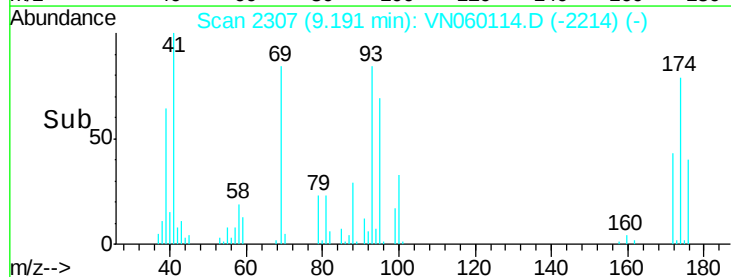
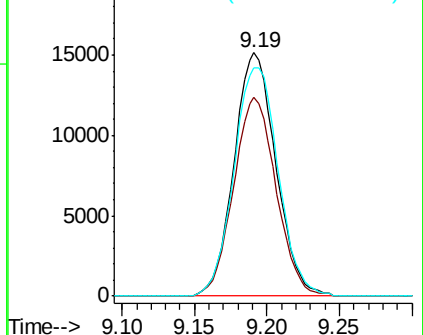
174 99.1 82.3 123.5

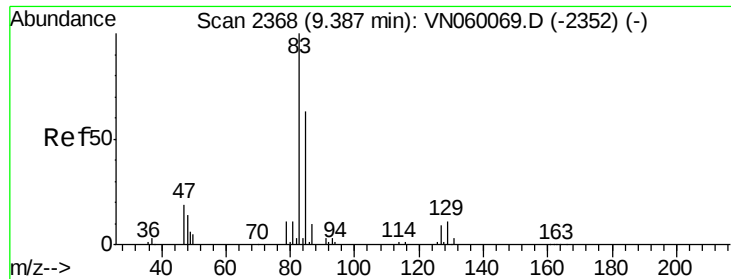


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.058 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. -0.00 min

Lab File: VN060114.D

Acq: 17 Feb 2020 13:13

Instrument :

MSVOA_N

ClientSampled :

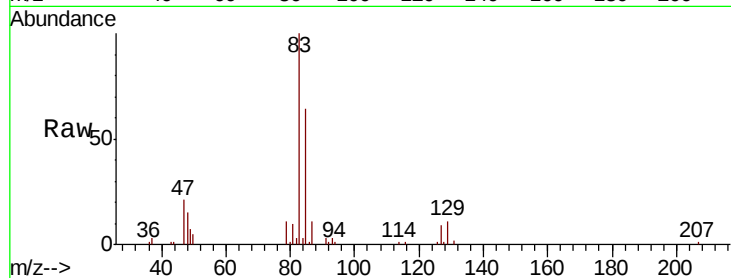
Tot Ion: 83 Resp: 60752

Ion Ratio Lower Upper

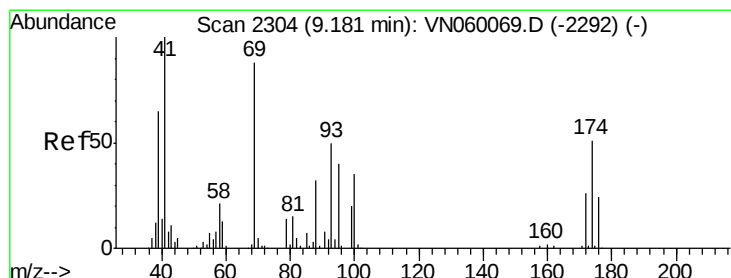
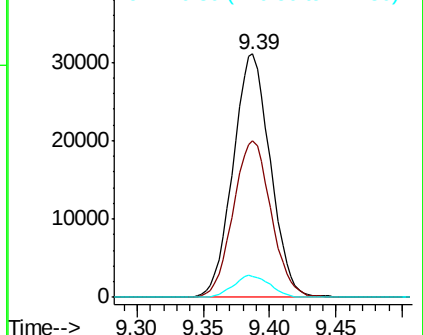
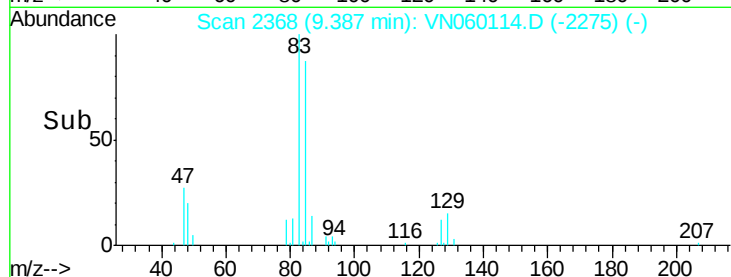
83 100

85 64.4 50.6 75.8

127 8.7 7.0 10.6



Abundance Ion 82.90 (82.60 to 83.60): VN060114.D (-2275) (-)



#48

Methyl methacrylate

Concen: 20.718 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. -0.00 min

Lab File: VN060114.D

Acq: 17 Feb 2020 13:13

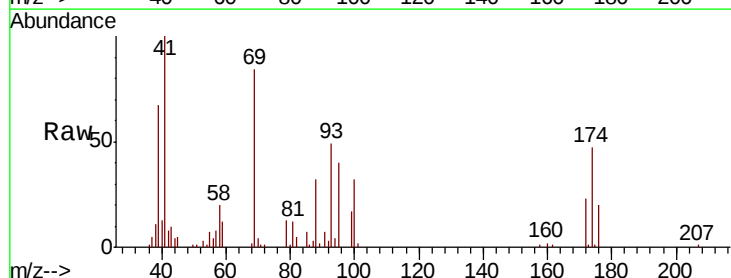
Tgt Ion: 41 Resp: 43387

Ion Ratio Lower Upper

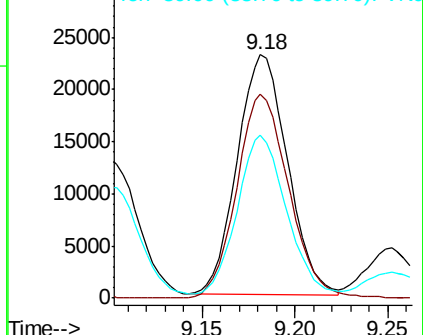
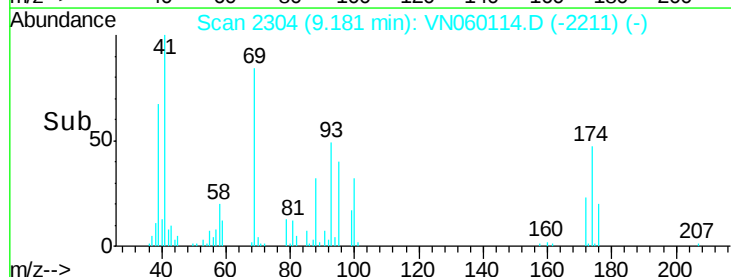
41 100

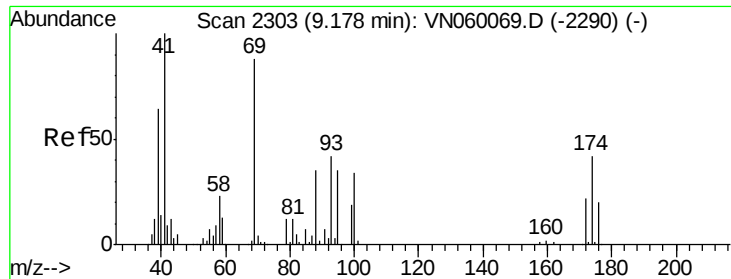
69 88.0 72.0 108.0

39 64.2 54.1 81.1



Abundance Ion 41.00 (40.70 to 41.70): VN060114.D (-2211) (-)

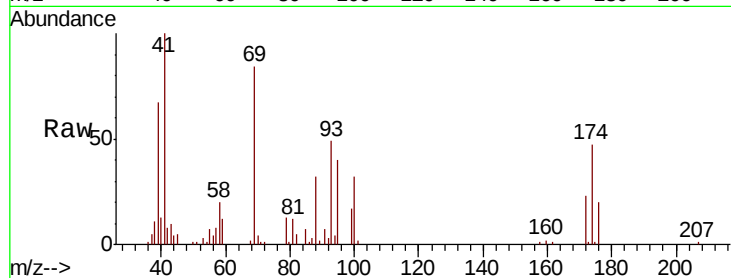




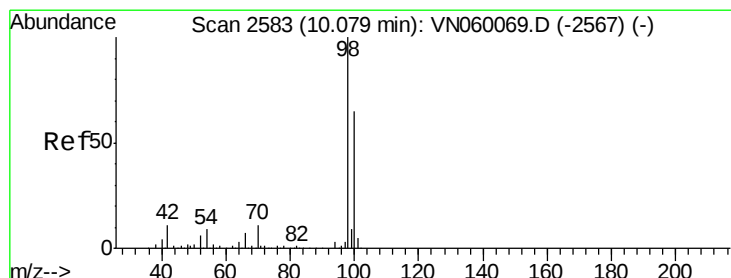
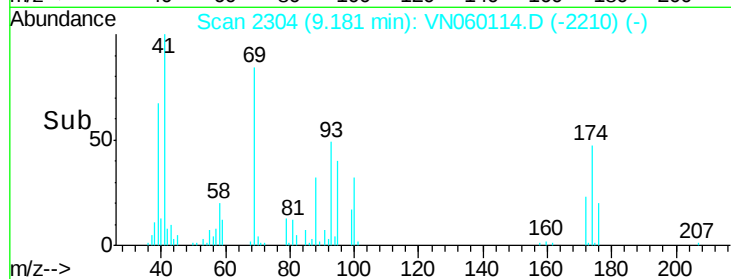
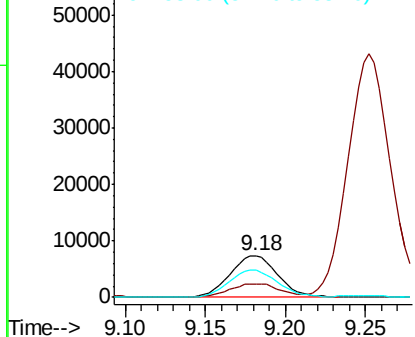
#49
1,4-Dioxane
Concen: 419.156 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN060114.D
Acq: 17 Feb 2020 13:13

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 88 Resp: 14998
Ion Ratio Lower Upper
88 100
43 34.3 26.2 39.2
58 67.2 53.2 79.8

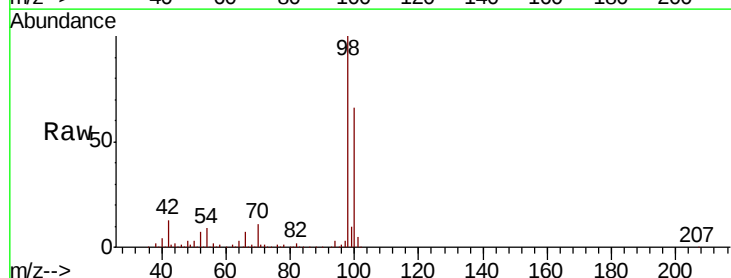


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

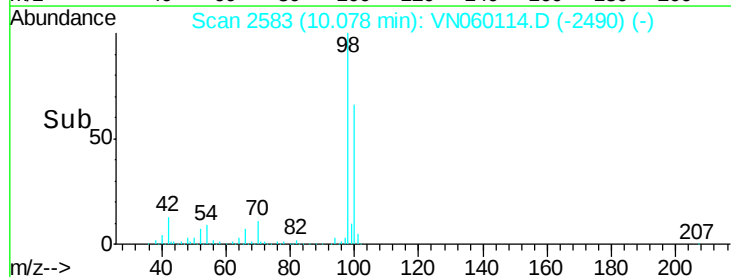
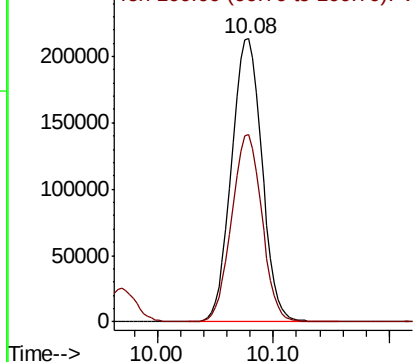


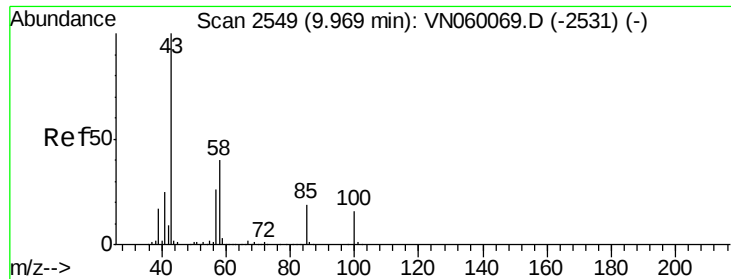
#50
Toluene-d8
Concen: 49.153 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN060114.D
Acq: 17 Feb 2020 13:13

Tgt Ion: 98 Resp: 388104
Ion Ratio Lower Upper
98 100
100 65.8 51.7 77.5



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: 111.707 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VN060114.D

Acq: 17 Feb 2020 13:13

Instrument :

MSVOA_N

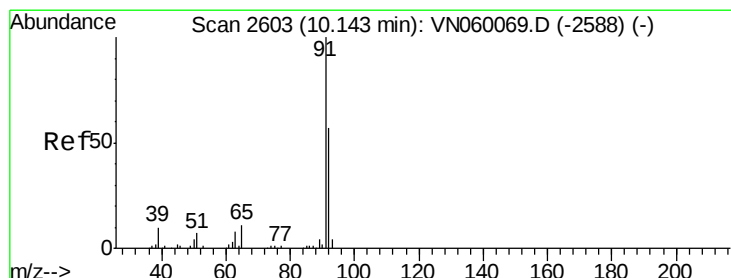
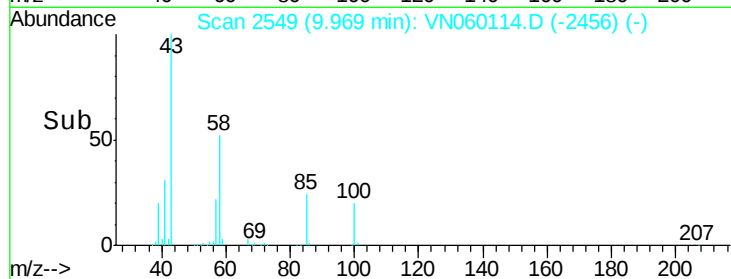
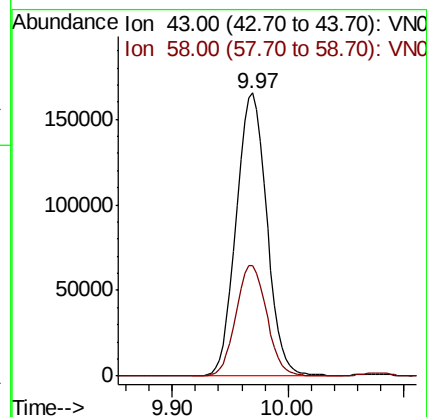
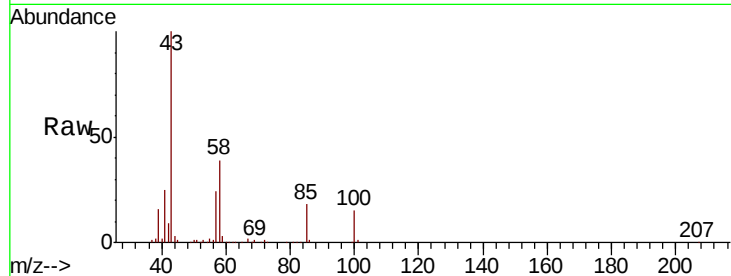
ClientSampled :

Tot Ion: 43 Resp: 301799

Ion Ratio Lower Upper

43 100

58 39.3 31.8 47.8



#52

Toluene

Concen: 18.752 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN060114.D

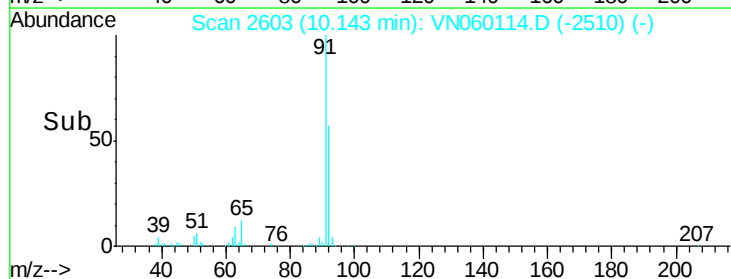
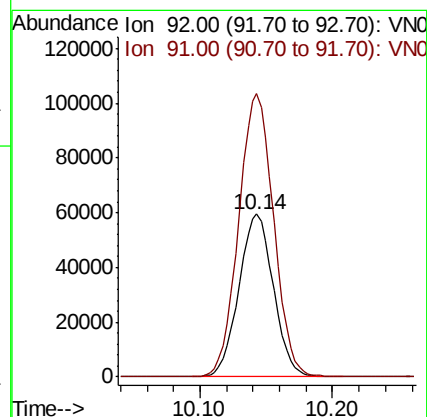
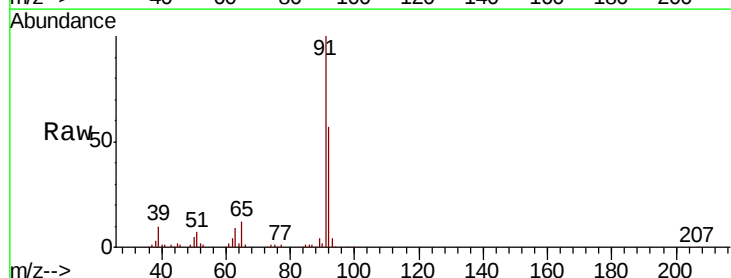
Acq: 17 Feb 2020 13:13

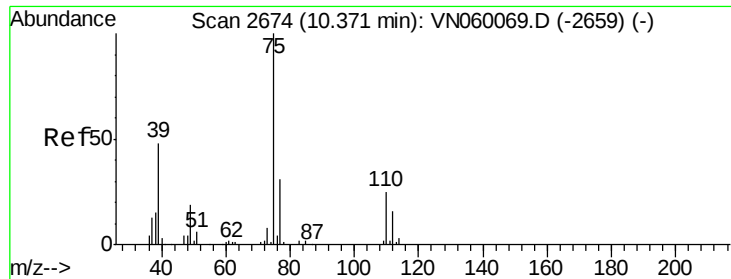
Tgt Ion: 92 Resp: 107768

Ion Ratio Lower Upper

92 100

91 175.8 140.9 211.3

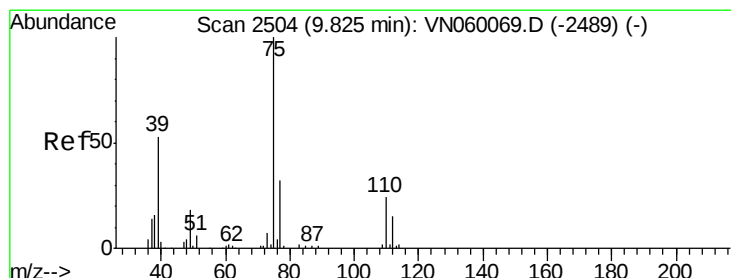
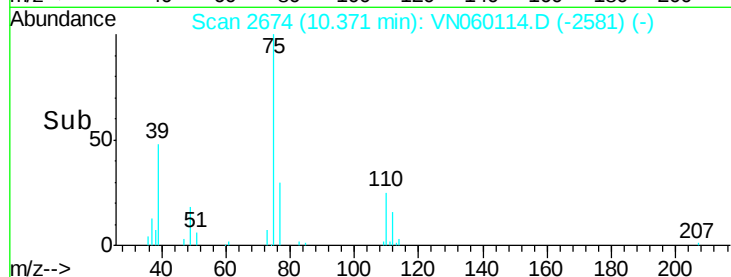
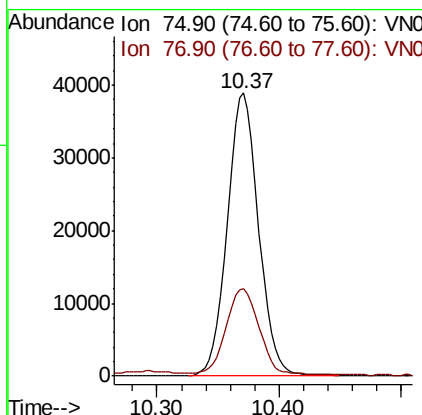
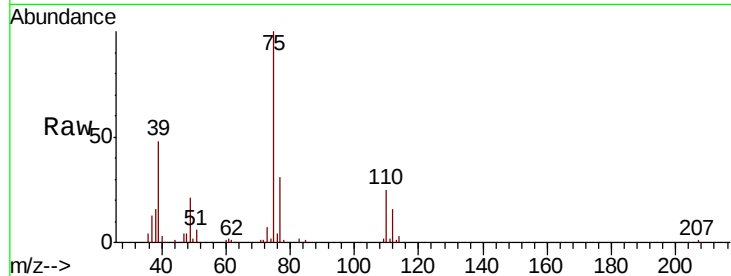




#53
t-1,3-Dichloropropene
Concen: 19.357 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. -0.00 min
Lab File: VN060114.D
Acq: 17 Feb 2020 13:13

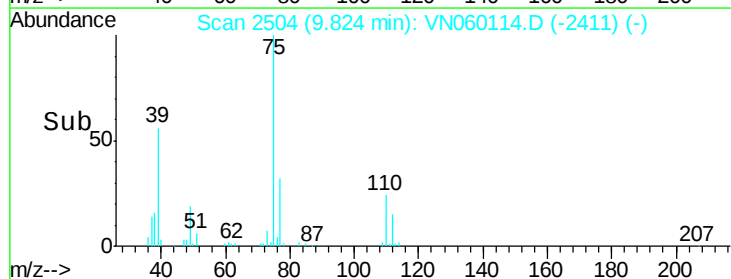
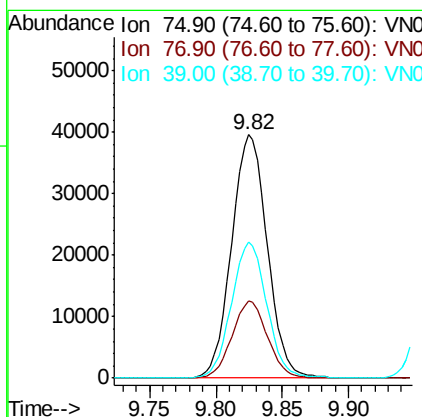
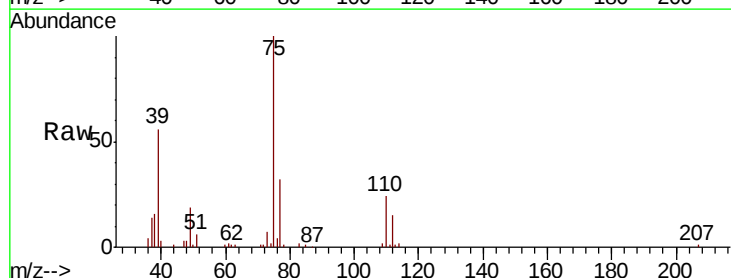
Instrument :
MSVOA_N
ClientSampled :

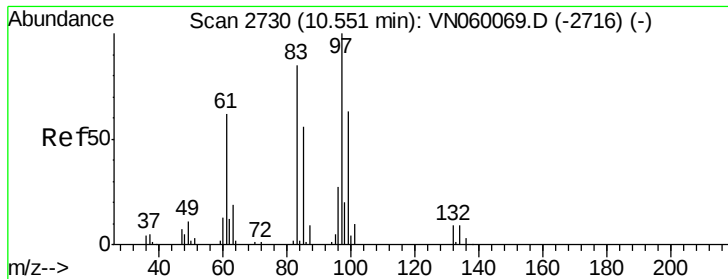
Tot Ion: 75 Resp: 69652
Ion Ratio Lower Upper
75 100
77 30.1 25.4 38.0



#54
cis-1,3-Dichloropropene
Concen: 19.505 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. -0.00 min
Lab File: VN060114.D
Acq: 17 Feb 2020 13:13

Tgt Ion: 75 Resp: 73904
Ion Ratio Lower Upper
75 100
77 31.7 25.6 38.4
39 56.1 42.2 63.4

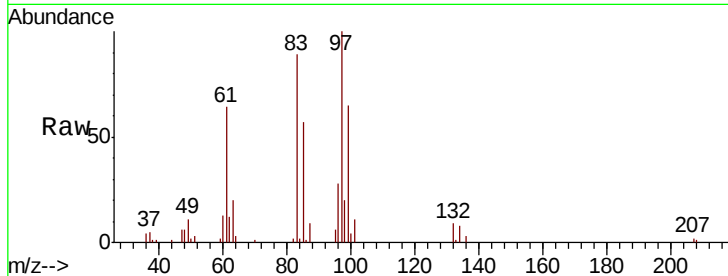




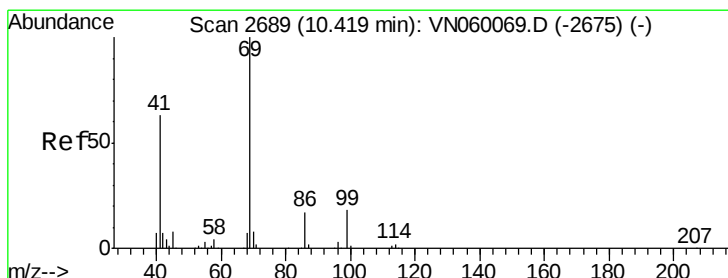
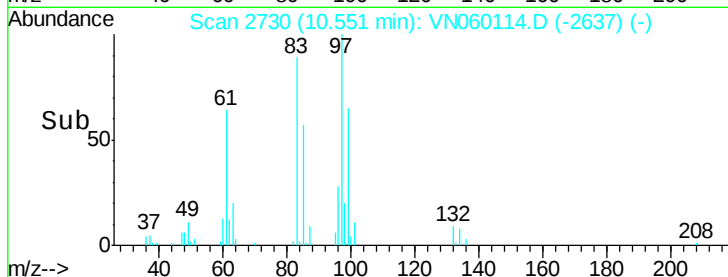
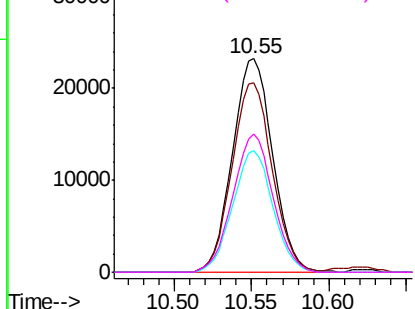
#55
 1,1,2-Trichloroethane
 Concen: 18.717 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. -0.00 min
 Lab File: VN060114.D
 Acq: 17 Feb 2020 13:13

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:	97	Resp:	41966
Ion	Ratio	Lower	Upper
97	100		
83	88.5	67.9	101.9
85	56.7	44.6	67.0
99	65.0	50.1	75.1

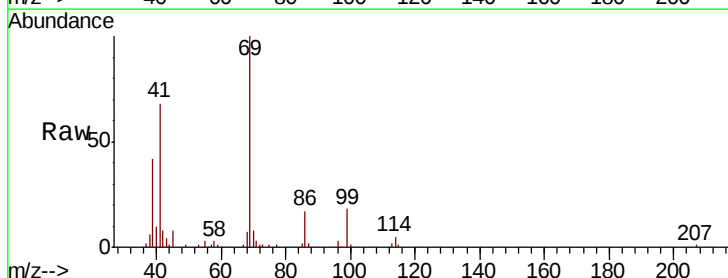


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

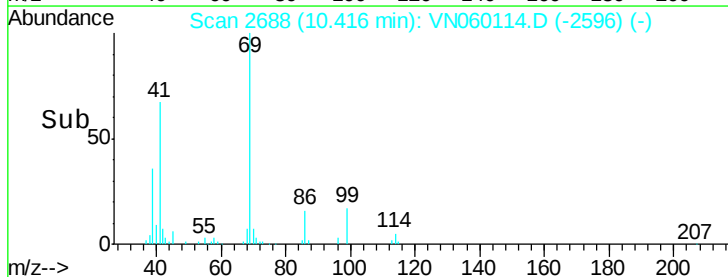
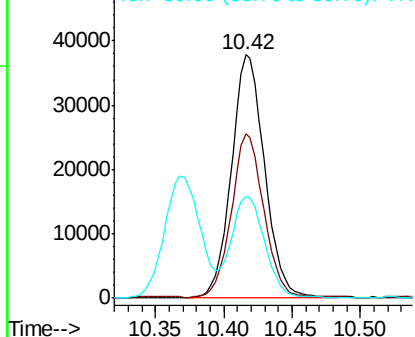


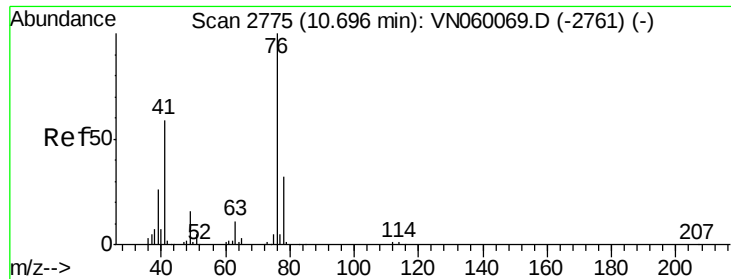
#56
 Ethyl methacrylate
 Concen: 20.230 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. -0.00 min
 Lab File: VN060114.D
 Acq: 17 Feb 2020 13:13

Tgt Ion:	69	Resp:	64165
Ion	Ratio	Lower	Upper
69	100		
41	64.6	51.1	76.7
39	43.1	33.8	50.8



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

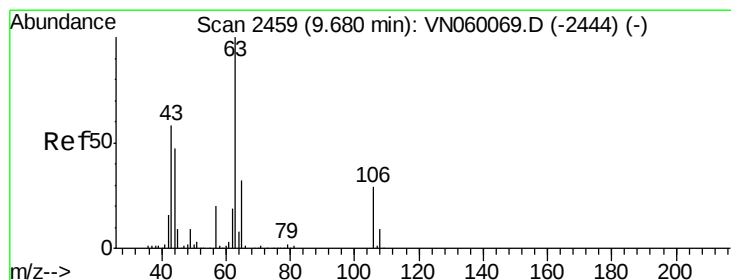
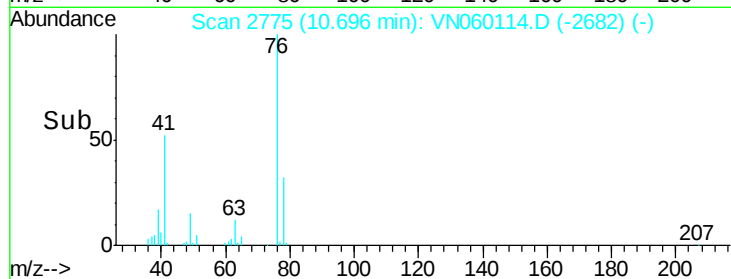
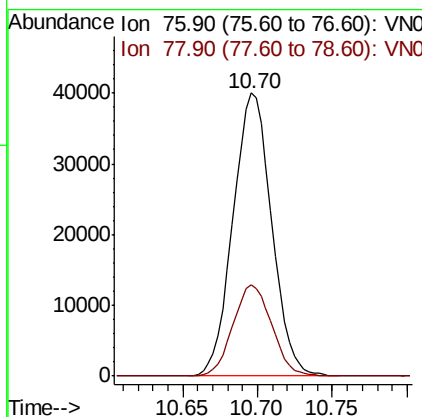
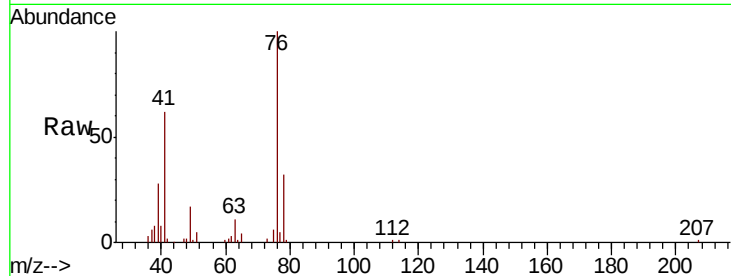




#57
 1,3-Dichloropropane
 Concen: 19.444 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. -0.00 min
 Lab File: VN060114.D
 Acq: 17 Feb 2020 13:13

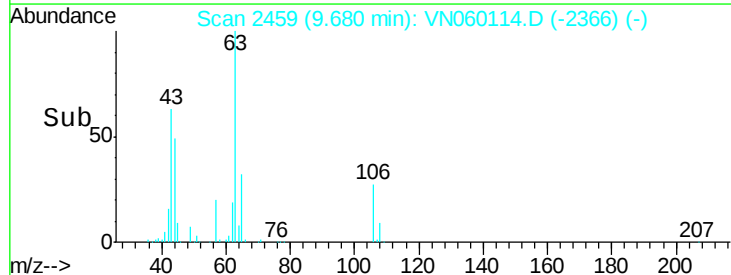
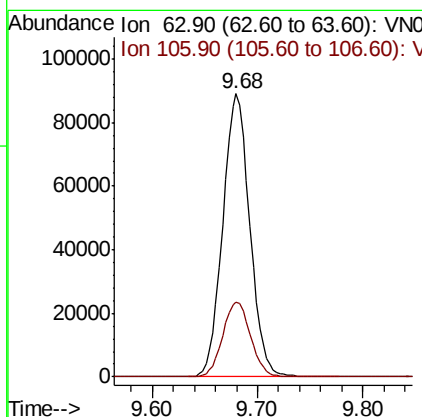
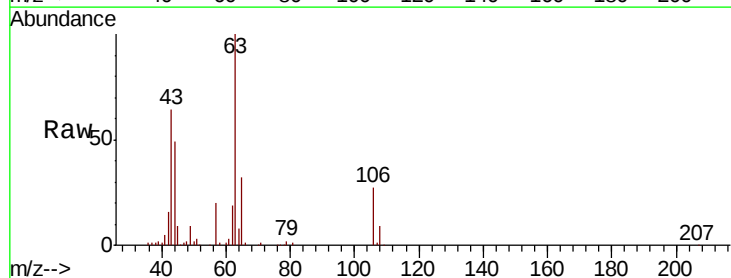
Instrument :
 MSVOA_N
 ClientSampled :

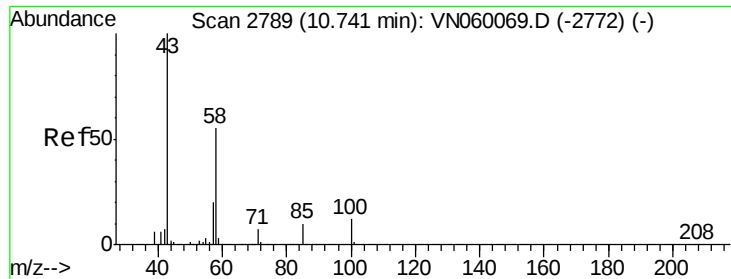
Tot Ion: 76 Resp: 71934
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 106.909 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. -0.00 min
 Lab File: VN060114.D
 Acq: 17 Feb 2020 13:13

Tgt Ion: 63 Resp: 157971
 Ion Ratio Lower Upper
 63 100
 106 27.4 22.9 34.3

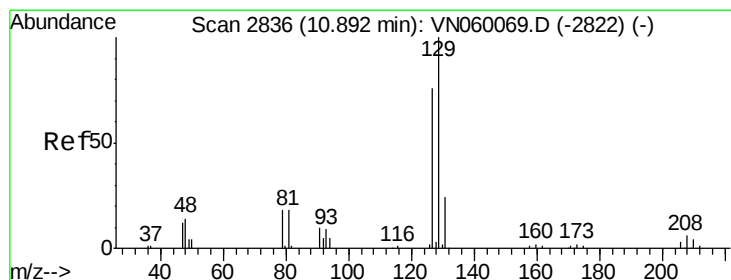
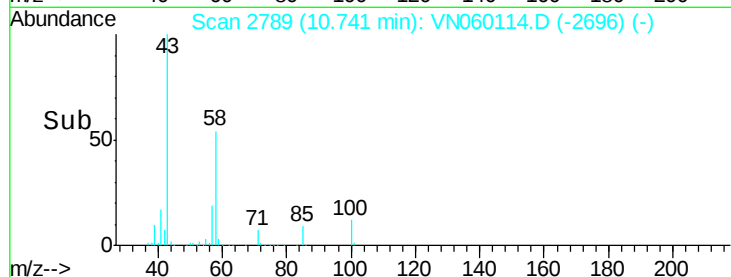
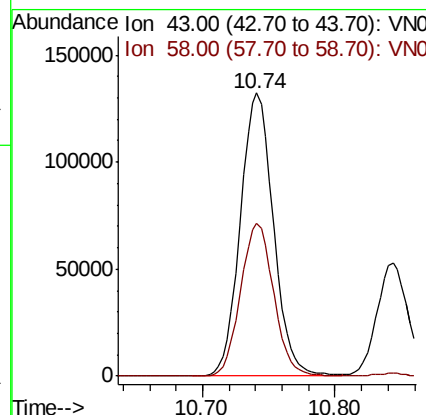
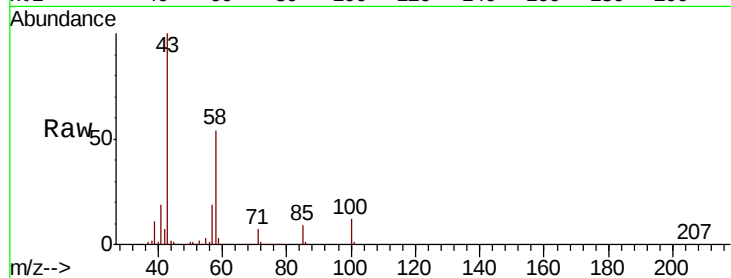




#59
2-Hexanone
Concen: 110.101 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. -0.00 min
Lab File: VN060114.D
Acq: 17 Feb 2020 13:13

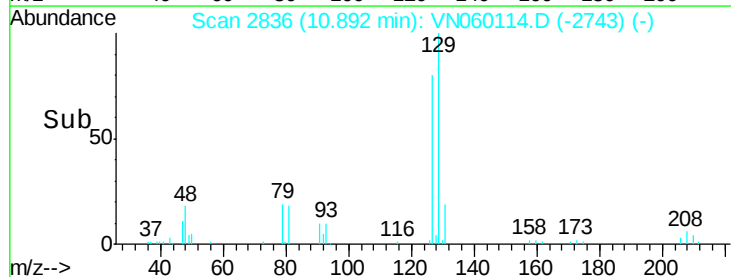
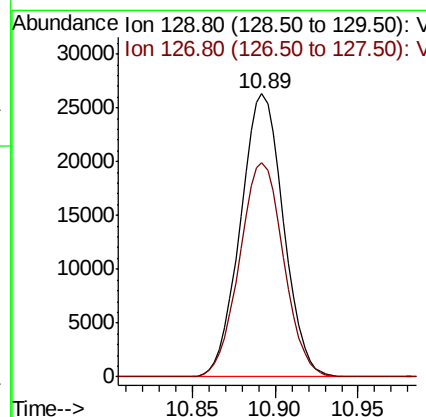
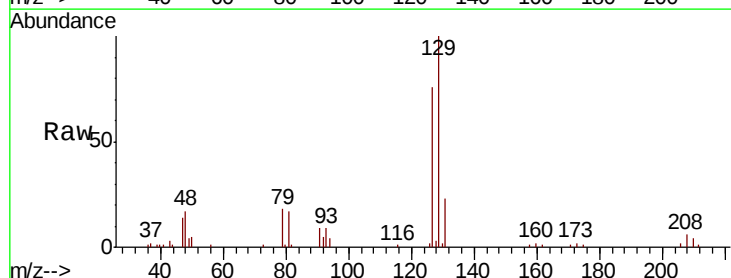
Instrument :
MSVOA_N
ClientSampleId :

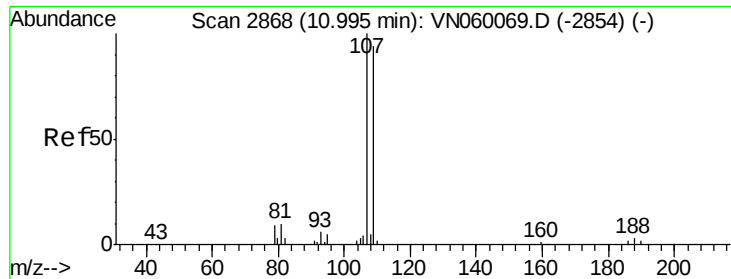
Tot Ion: 43 Resp: 229779
Ion Ratio Lower Upper
43 100
58 54.0 27.5 82.4



#60
Dibromochloromethane
Concen: 18.462 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN060114.D
Acq: 17 Feb 2020 13:13

Tgt Ion: 129 Resp: 47502
Ion Ratio Lower Upper
129 100
127 77.5 38.0 114.1





#61

1,2-Dibromoethane

Concen: 19.045 ug/l

RT: 10.99 min Scan# 2868

Delta R.T. -0.00 min

Lab File: VN060114.D

Acq: 17 Feb 2020 13:13

Instrument :

MSVOA_N

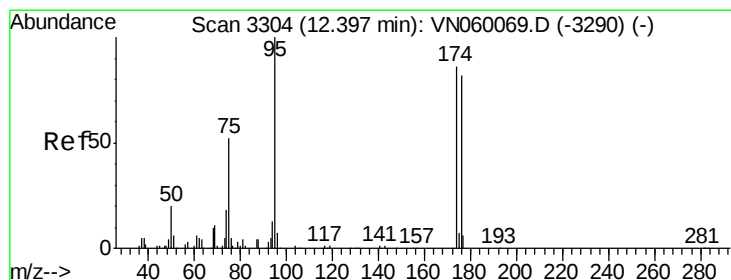
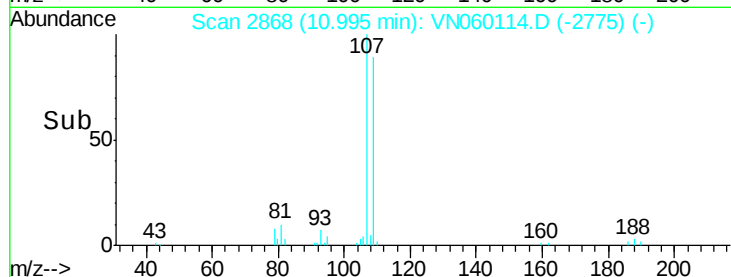
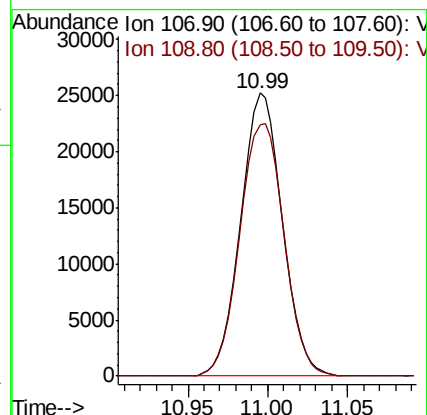
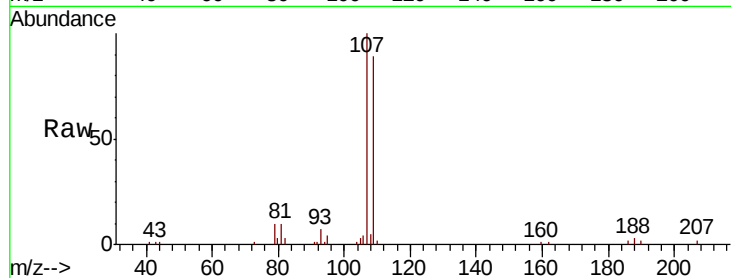
ClientSampleId :

Tot Ion:107 Resp: 44762

Ion Ratio Lower Upper

107 100

109 94.8 75.4 113.0



#62

4-Bromofluorobenzene

Concen: 48.363 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060114.D

Acq: 17 Feb 2020 13:13

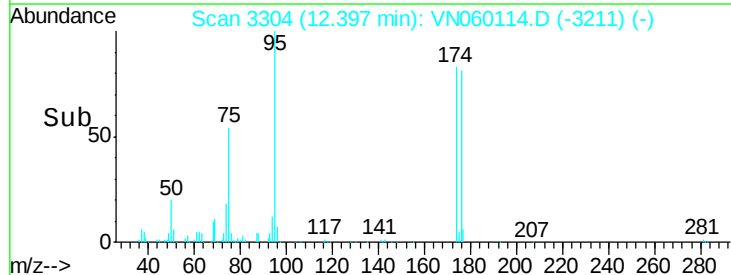
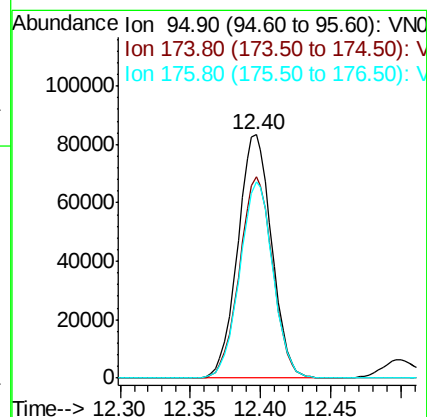
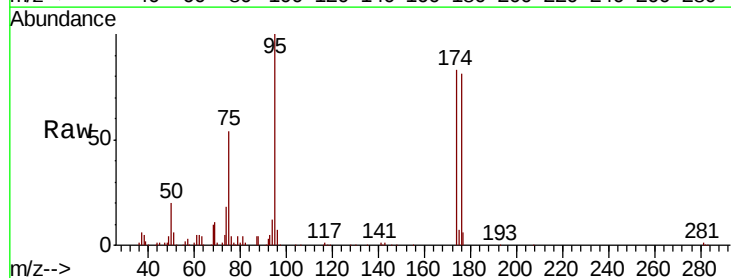
Tgt Ion: 95 Resp: 140317

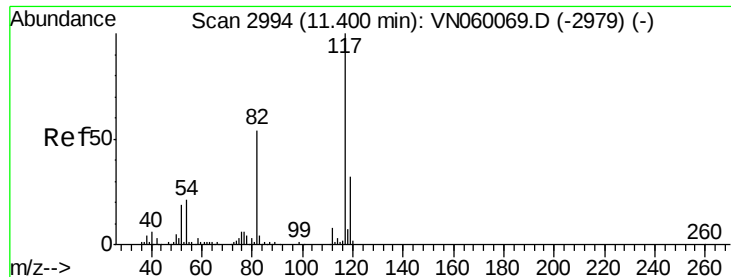
Ion Ratio Lower Upper

95 100

174 81.1 0.0 169.8

176 79.0 0.0 164.8

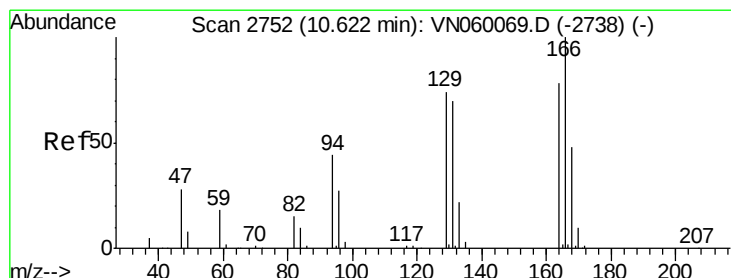
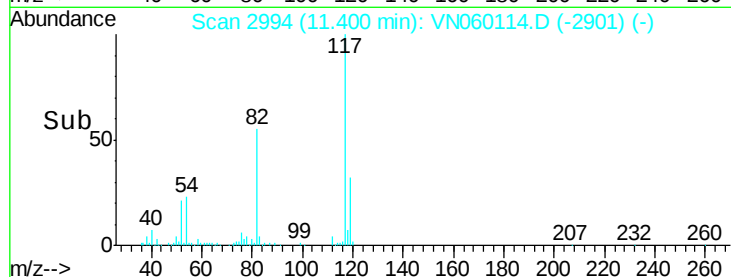
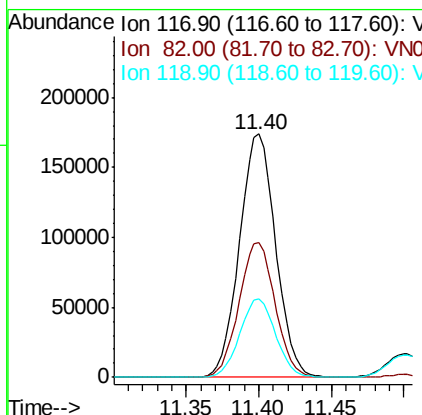
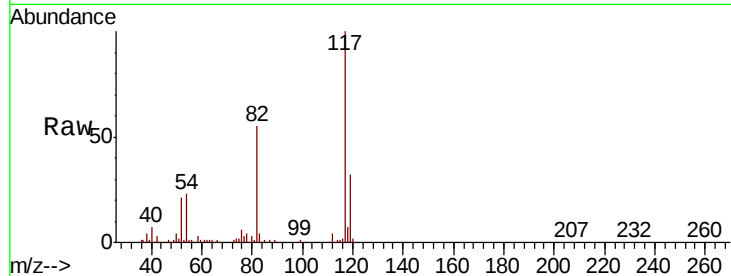




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060114.D
Acq: 17 Feb 2020 13:13

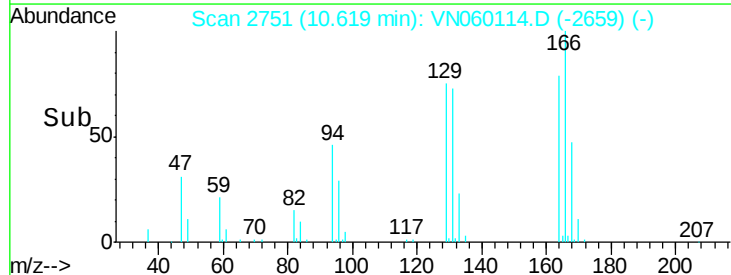
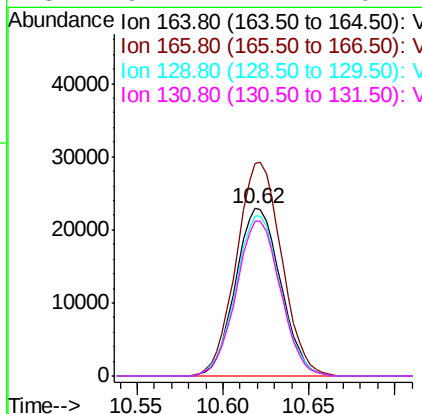
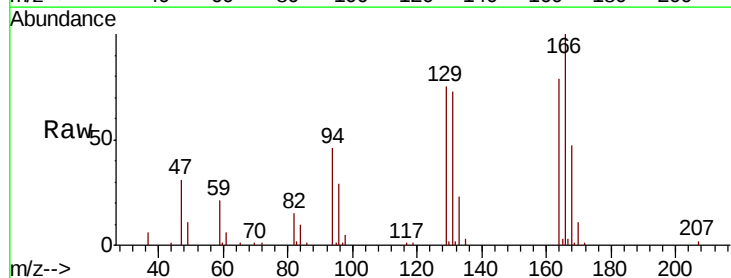
Instrument :
MSVOA_N
ClientSampleId :

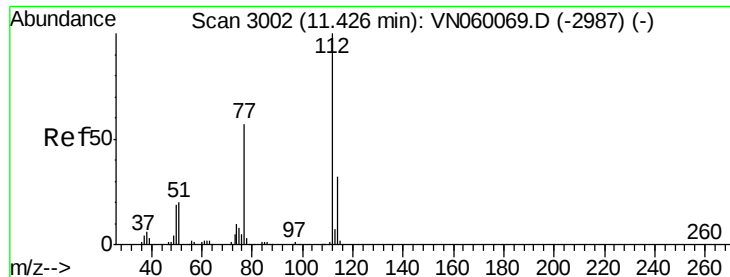
Tot Ion	Ratio	Lower	Upper
117	100		
82	55.3	43.4	65.0
119	32.2	25.8	38.6



#64
Tetrachloroethene
Concen: 18.155 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VN060114.D
Acq: 17 Feb 2020 13:13

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.8	101.9	152.9
129	95.3	75.4	113.0
131	92.2	71.4	107.2

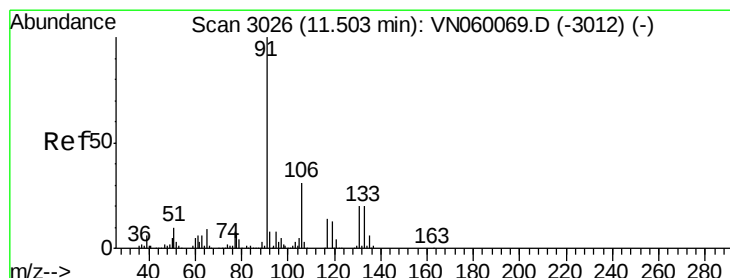
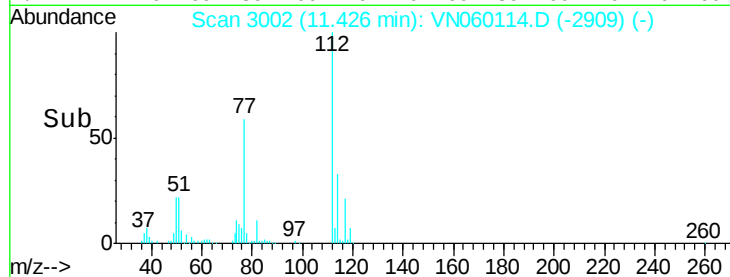
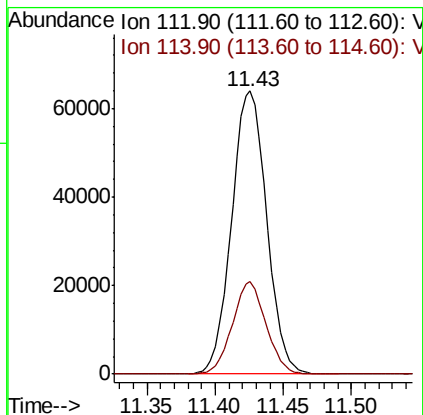
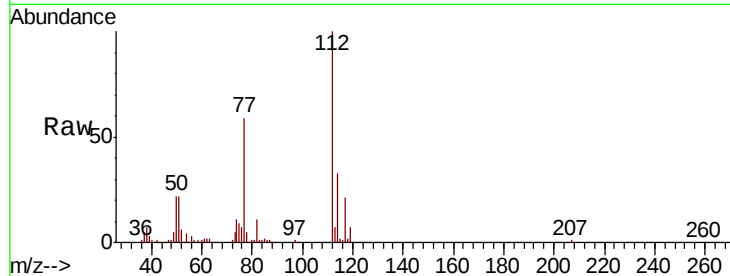




#65
Chlorobenzene
Concen: 18.565 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. -0.00 min
Lab File: VN060114.D
Acq: 17 Feb 2020 13:13

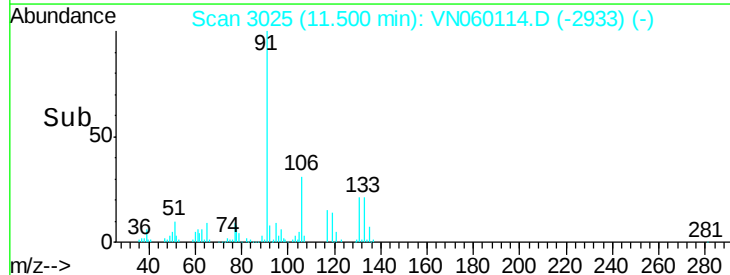
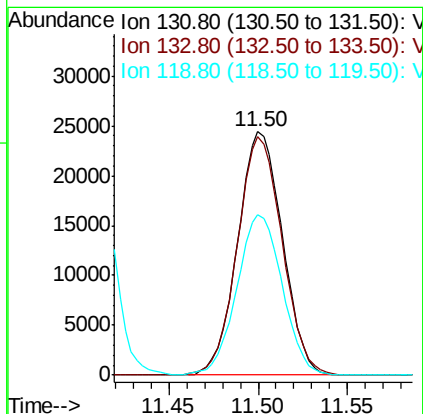
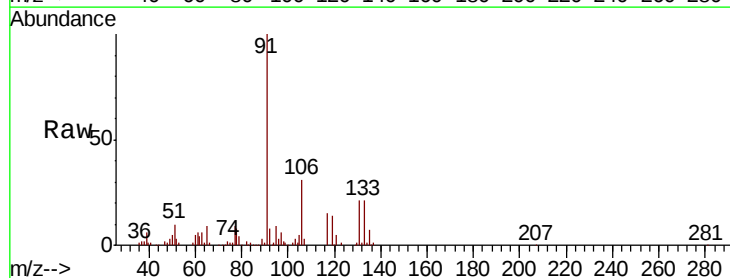
Instrument :
MSVOA_N
ClientSampleId :

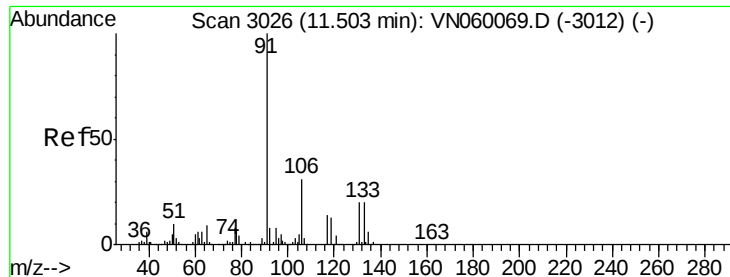
Tot Ion:112 Resp: 114120
Ion Ratio Lower Upper
112 100
114 32.5 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 18.435 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN060114.D
Acq: 17 Feb 2020 13:13

Tgt Ion:131 Resp: 42871
Ion Ratio Lower Upper
131 100
133 98.1 47.9 143.7
119 67.0 32.6 97.7

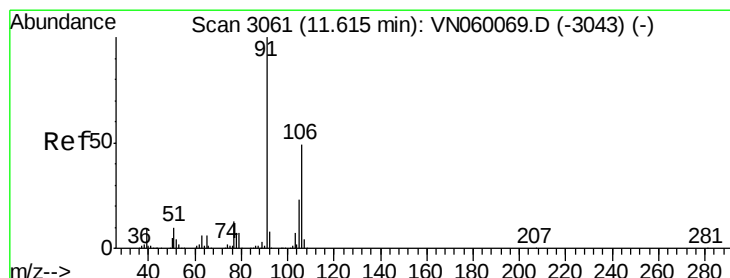
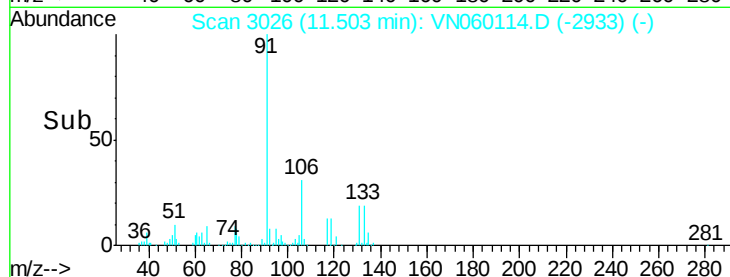
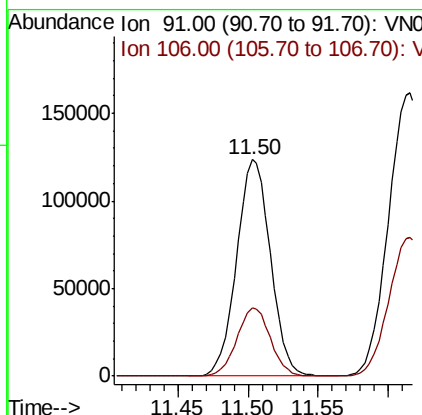
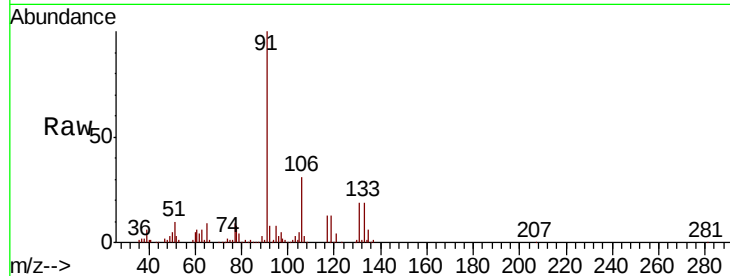




#67
Ethyl Benzene
Concen: 18.769 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. -0.00 min
Lab File: VN060114.D
Acq: 17 Feb 2020 13:13

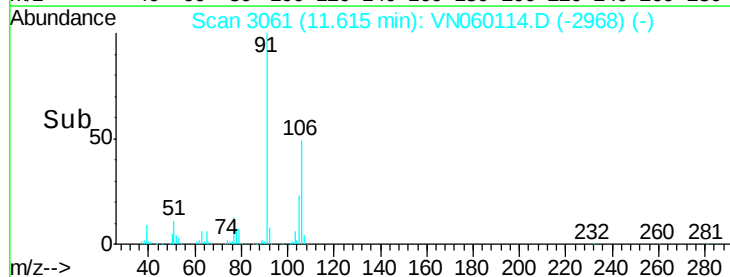
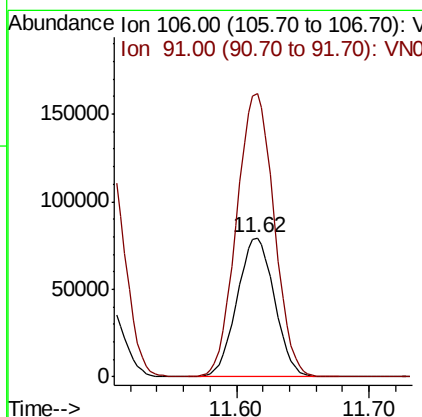
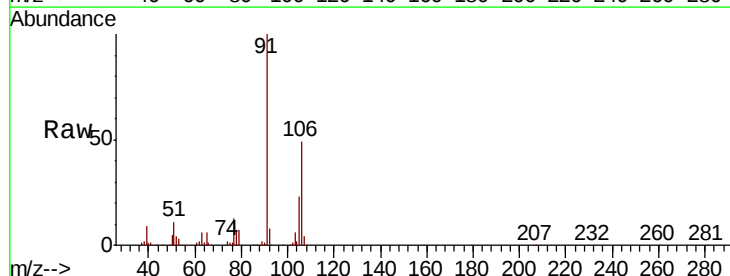
Instrument :
MSVOA_N
ClientSampled :

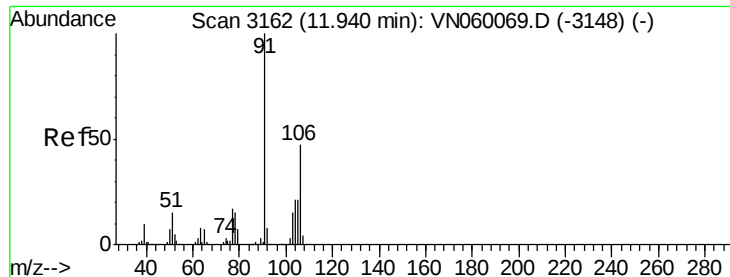
Tot Ion: 91 Resp: 208093
Ion Ratio Lower Upper
91 100
106 31.5 25.1 37.7



#68
m/p-Xylenes
Concen: 37.351 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN060114.D
Acq: 17 Feb 2020 13:13

Tgt Ion: 106 Resp: 155423
Ion Ratio Lower Upper
106 100
91 204.6 162.7 244.1

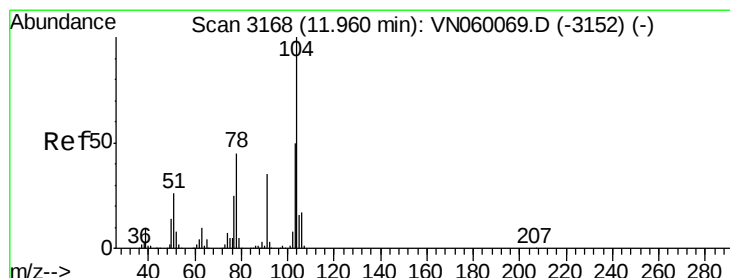
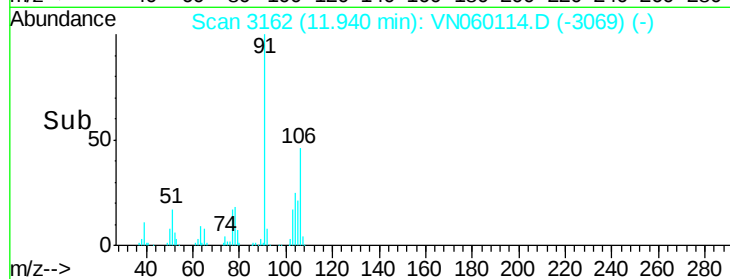
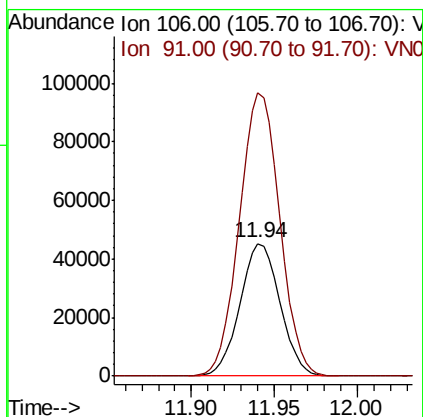
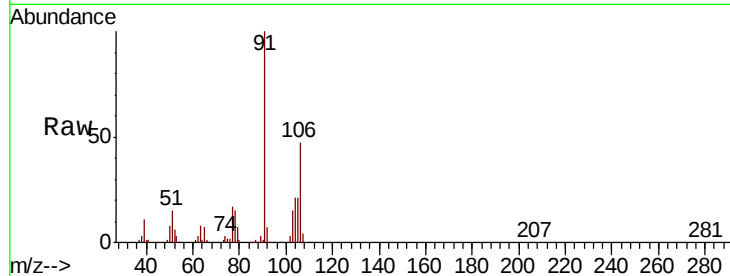




#69
o-Xylene
Concen: 18.981 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN060114.D
Acq: 17 Feb 2020 13:13

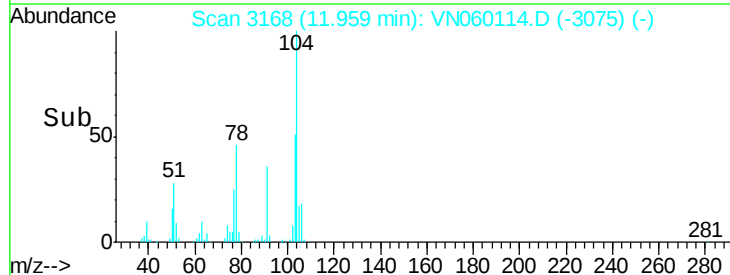
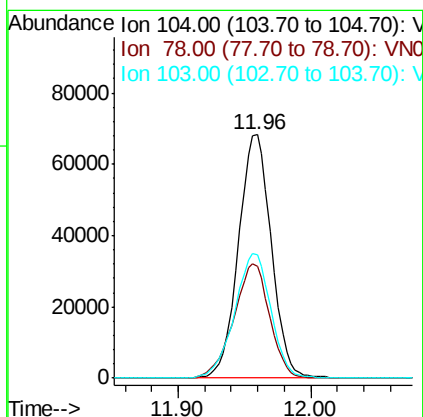
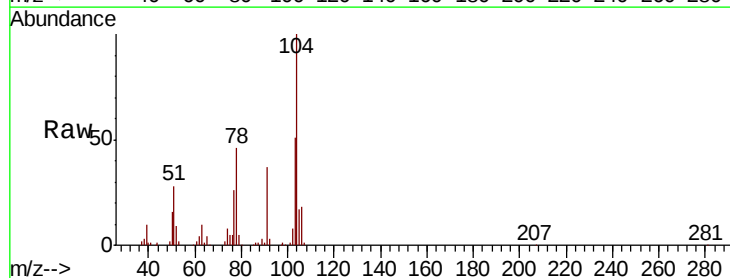
Instrument :
MSVOA_N
ClientSampled :

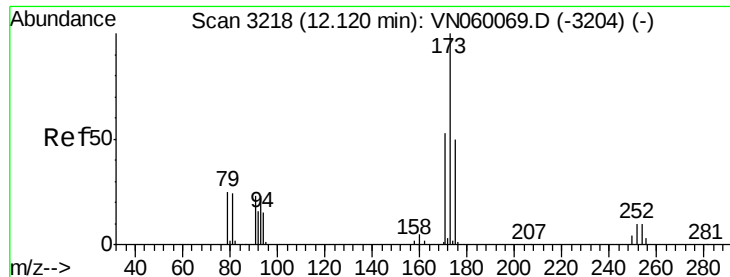
Tot Ion:106 Resp: 76045
Ion Ratio Lower Upper
106 100
91 215.7 107.2 321.6



#70
Styrene
Concen: 18.237 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VN060114.D
Acq: 17 Feb 2020 13:13

Tgt Ion:104 Resp: 117825
Ion Ratio Lower Upper
104 100
78 51.2 40.2 60.2
103 56.3 44.3 66.5

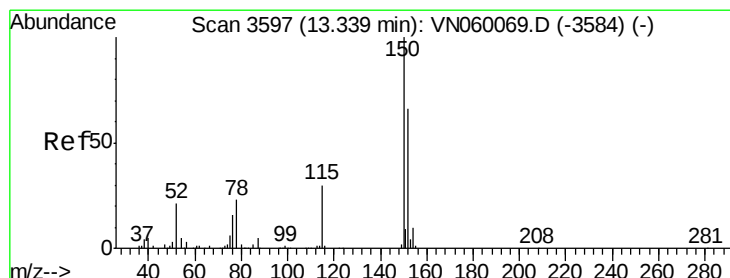
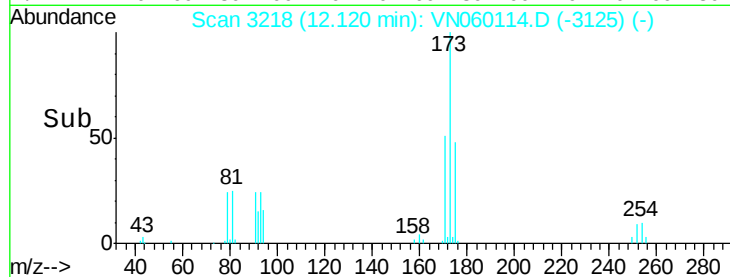
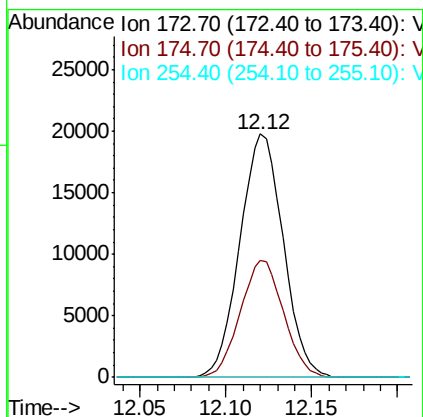
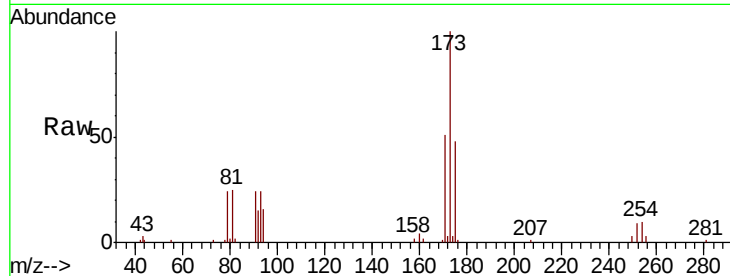




#71
Bromoform
Concen: 18.432 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. -0.00 min
Lab File: VN060114.D
Acq: 17 Feb 2020 13:13

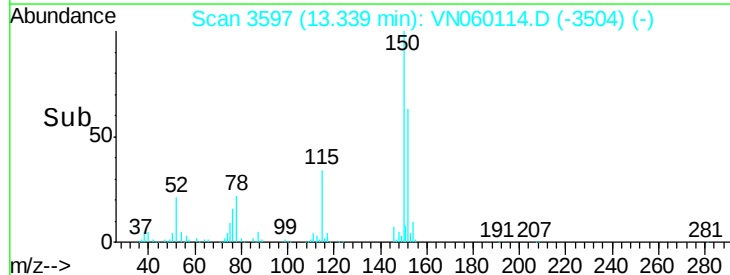
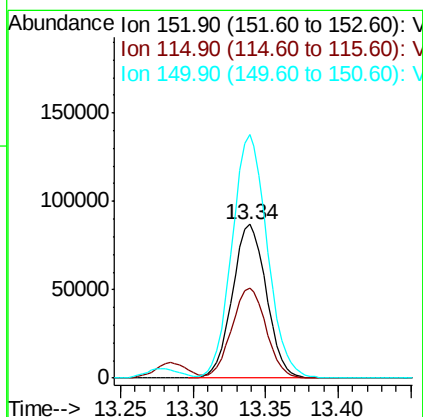
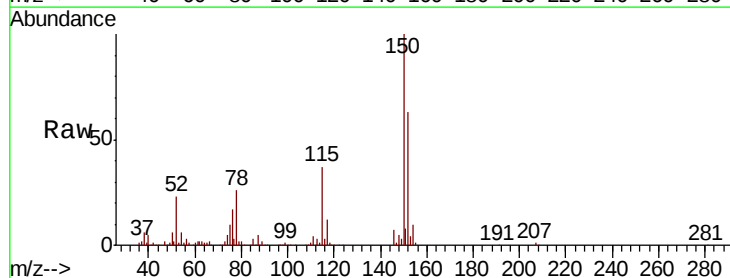
Instrument :
MSVOA_N
ClientSampled :

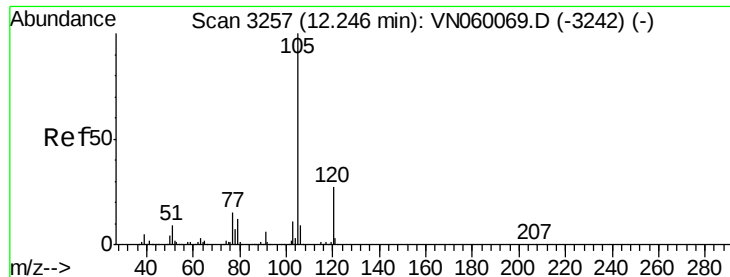
Tot Ion:173 Resp: 34475
Ion Ratio Lower Upper
173 100
175 48.0 24.9 74.6
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. -0.00 min
Lab File: VN060114.D
Acq: 17 Feb 2020 13:13

Tgt Ion:152 Resp: 141575
Ion Ratio Lower Upper
152 100
115 59.4 28.9 86.8
150 164.2 0.0 342.4





#73

Isopropylbenzene

Concen: 19.245 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN060114.D

Acq: 17 Feb 2020 13:13

Instrument :

MSVOA_N

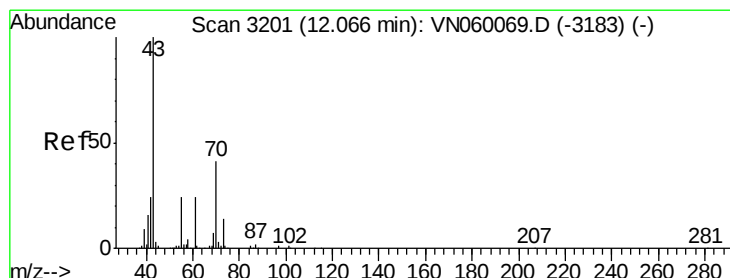
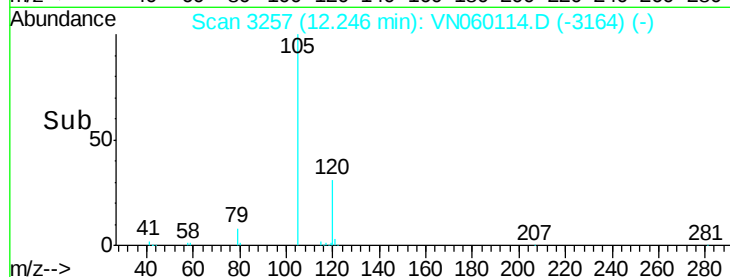
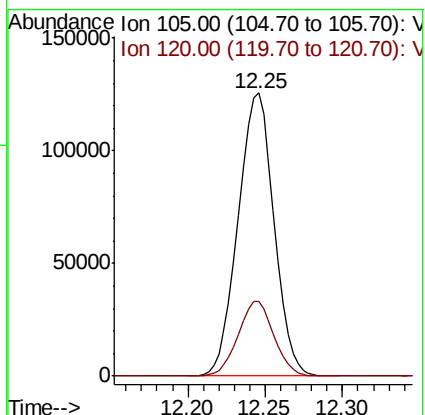
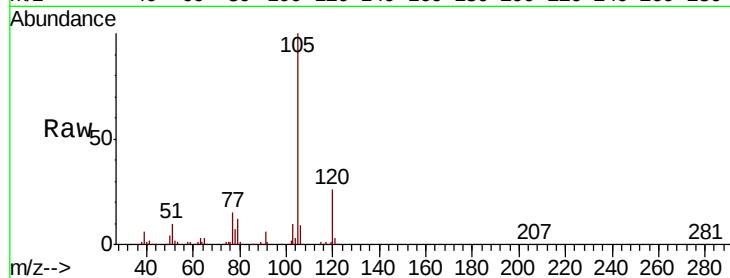
ClientSampleId :

Tot Ion:105 Resp: 203455

Ion Ratio Lower Upper

105 100

120 26.3 13.3 39.8



#74

N-ethyl acetate

Concen: 21.864 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN060114.D

Acq: 17 Feb 2020 13:13

Tgt Ion: 43 Resp: 83350

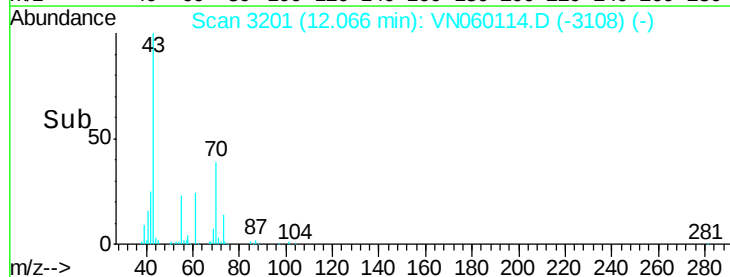
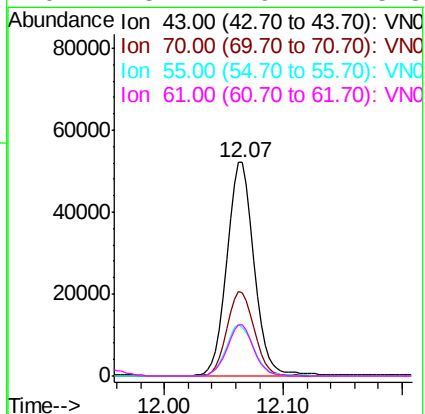
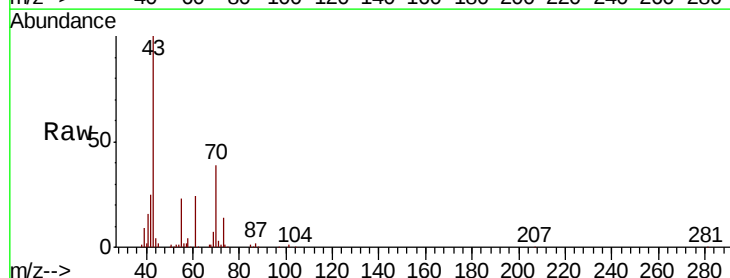
Ion Ratio Lower Upper

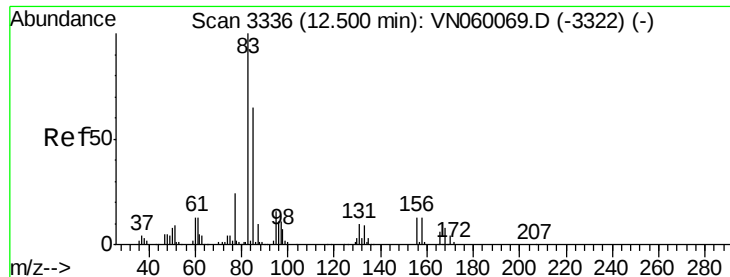
43 100

70 39.4 33.4 50.0

55 24.0 18.8 28.2

61 23.4 19.2 28.8





#75

1,1,2,2-Tetrachloroethane

Concen: 20.728 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN060114.D

Acq: 17 Feb 2020 13:13

Instrument :

MSVOA_N

ClientSampleId :

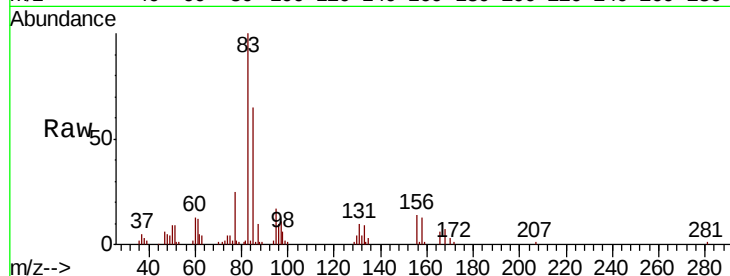
Tot Ion: 83 Resp: 63076

Ion Ratio Lower Upper

83 100

131 10.0 5.2 15.6

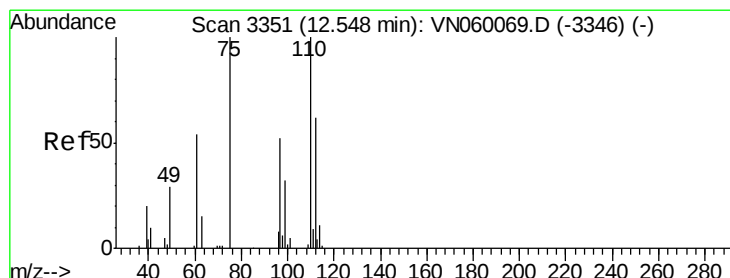
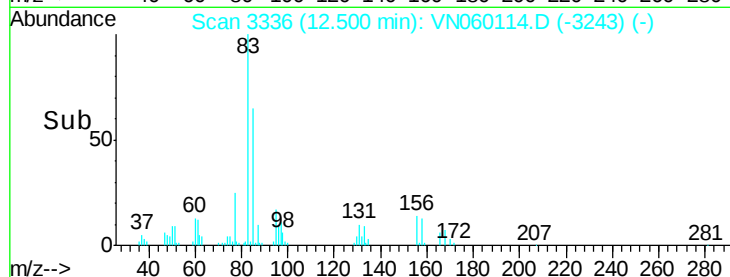
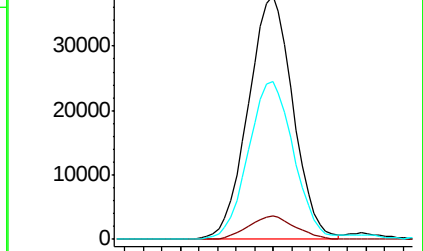
85 66.2 32.3 96.9



Abundance Ion 82.90 (82.60 to 83.60): VN060114.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN060114.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN060114.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 30.980 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. -0.00 min

Lab File: VN060114.D

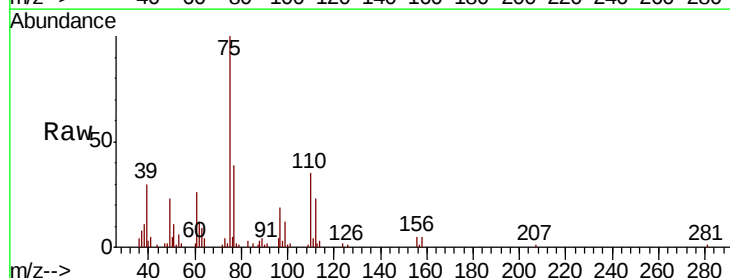
Acq: 17 Feb 2020 13:13

Tgt Ion: 75 Resp: 83914

Ion Ratio Lower Upper

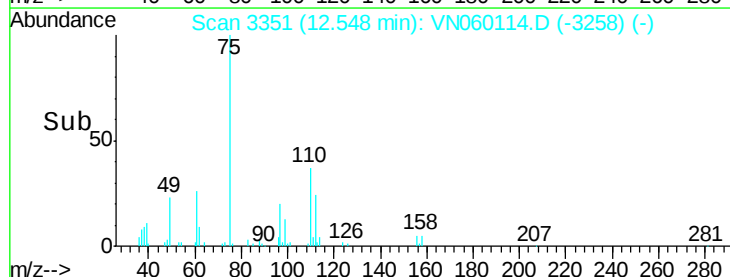
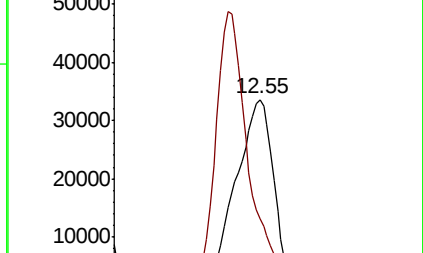
75 100

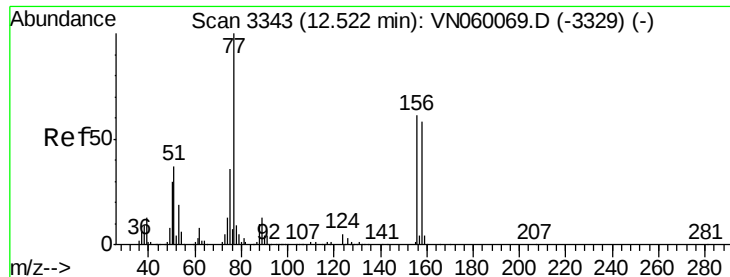
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN060114.D (-3258) (-)

Ion 77.00 (76.70 to 77.70): VN060114.D (-3258) (-)





#77

Bromobenzene

Concen: 19.079 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN060114.D

Acq: 17 Feb 2020 13:13

Instrument :

MSVOA_N

ClientSampled :

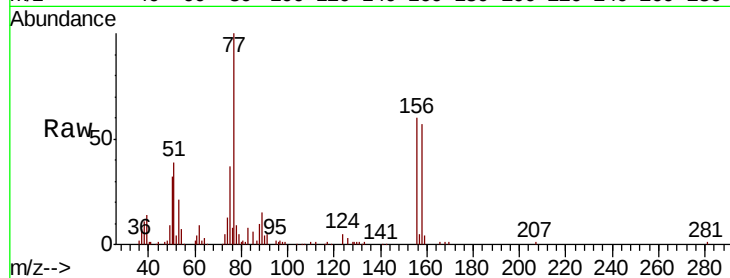
Tot Ion:156 Resp: 50057

Ion Ratio Lower Upper

156 100

77 204.5 98.7 296.1

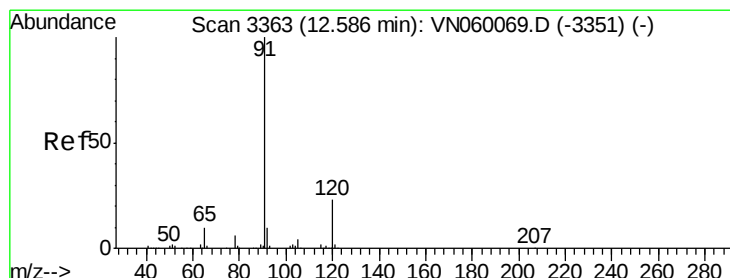
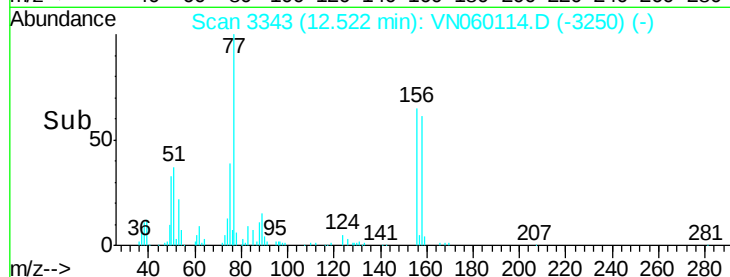
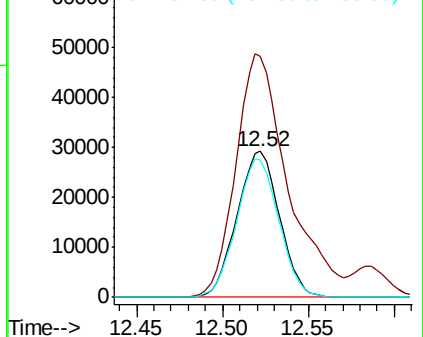
158 94.6 48.1 144.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.110 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN060114.D

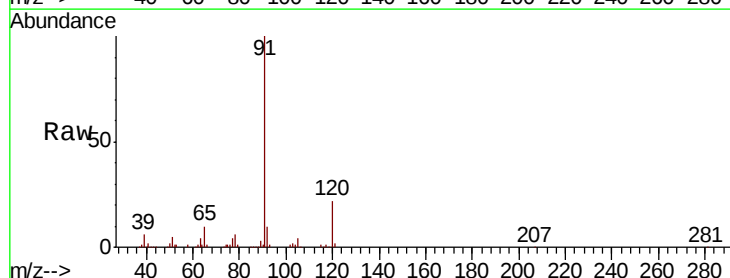
Acq: 17 Feb 2020 13:13

Tgt Ion: 91 Resp: 230182

Ion Ratio Lower Upper

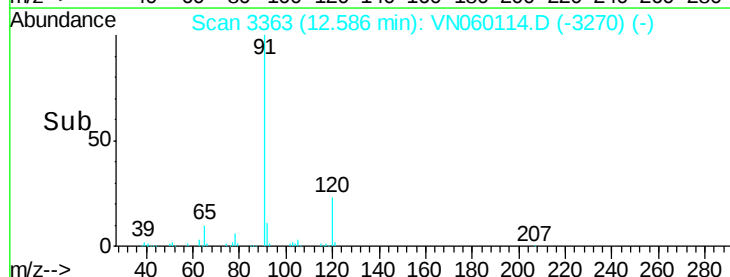
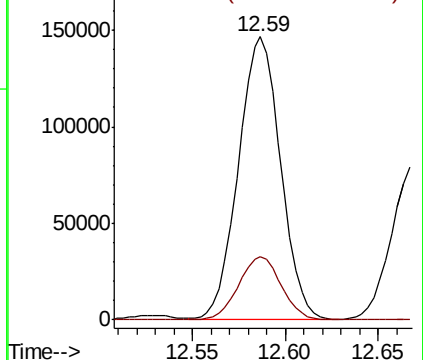
91 100

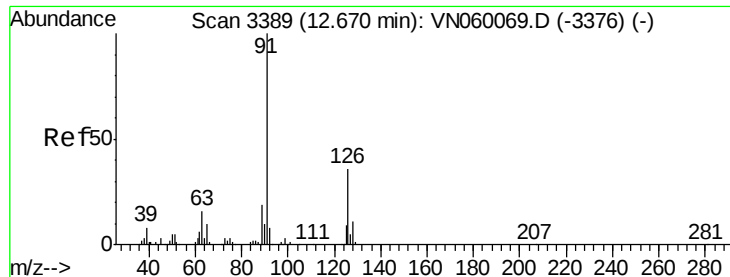
120 22.7 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.960 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN060114.D

Acq: 17 Feb 2020 13:13

Instrument :

MSVOA_N

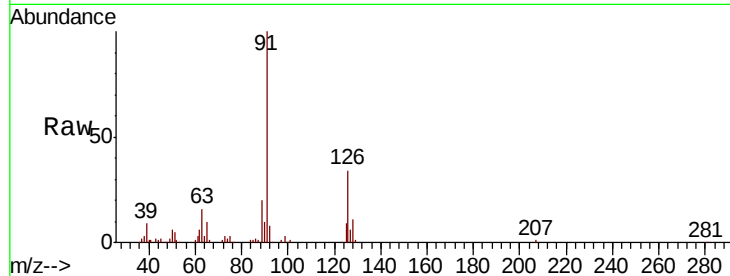
ClientSampled :

Tot Ion: 91 Resp: 134232

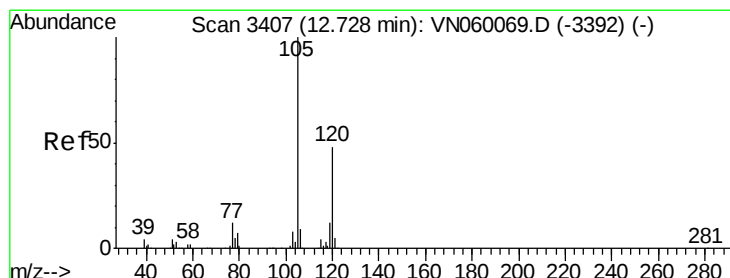
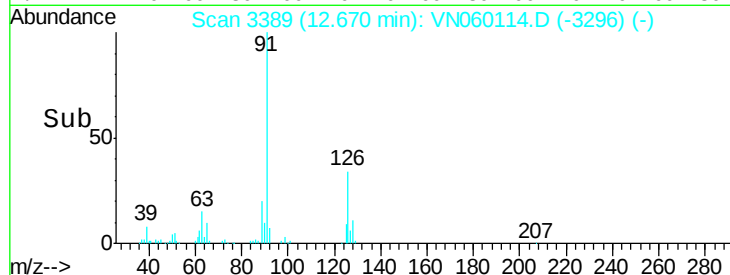
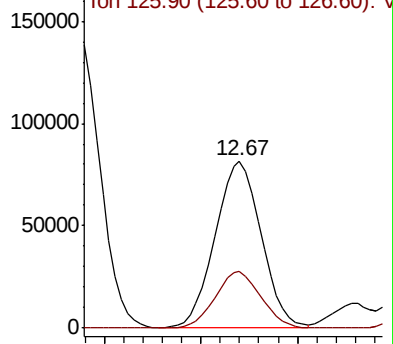
Ion Ratio Lower Upper

91 100

126 34.1 17.4 52.2



Abundance Ion 91.00 (90.70 to 91.70): VN060114.D (-3376) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.342 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN060114.D

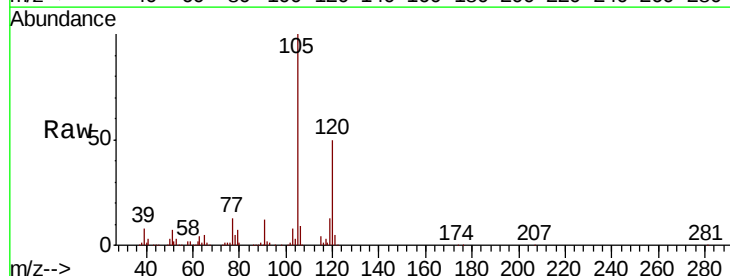
Acq: 17 Feb 2020 13:13

Tgt Ion: 105 Resp: 170020

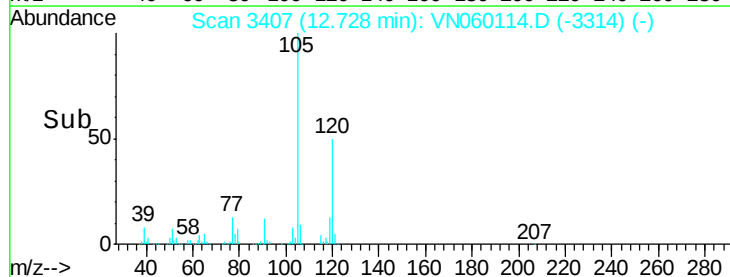
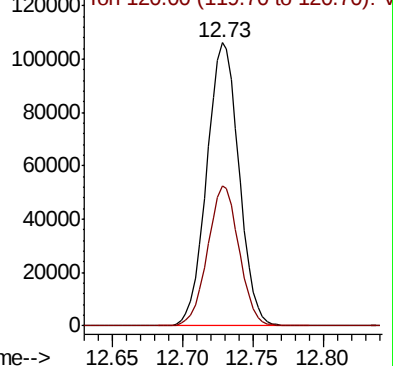
Ion Ratio Lower Upper

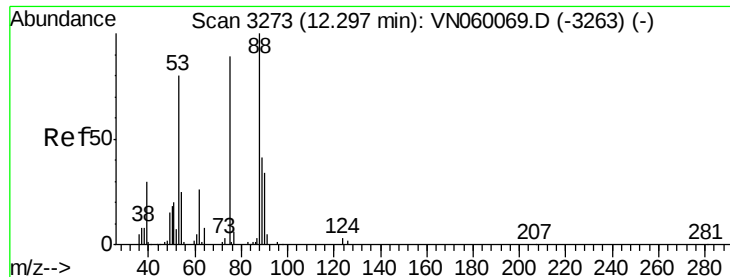
105 100

120 48.2 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): VN060114.D (-3392) (-)

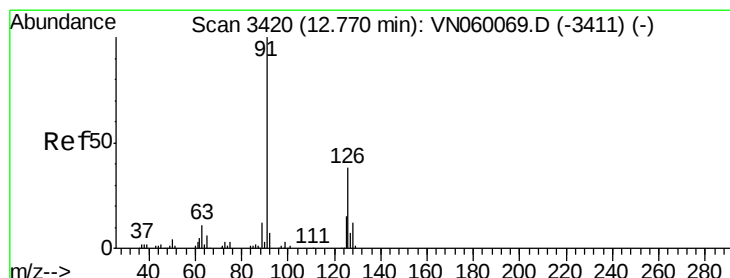
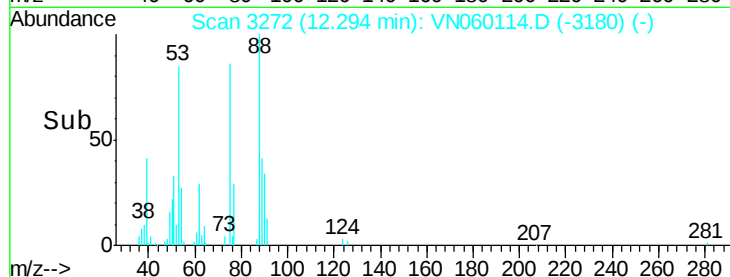
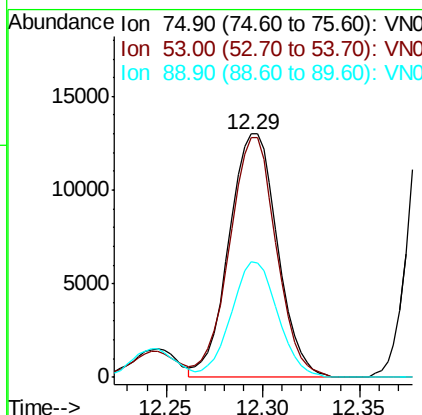
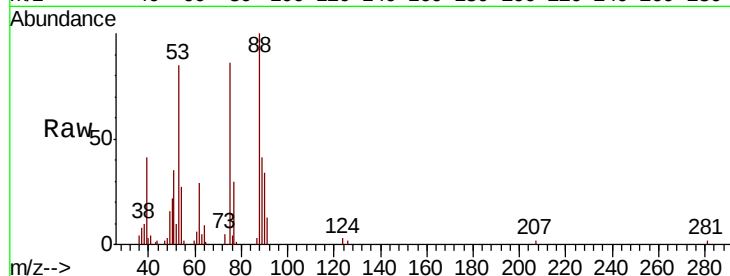




#81
trans-1,4-Dichloro-2-butene
Concen: 20.462 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. -0.00 min
Lab File: VN060114.D
Acq: 17 Feb 2020 13:13

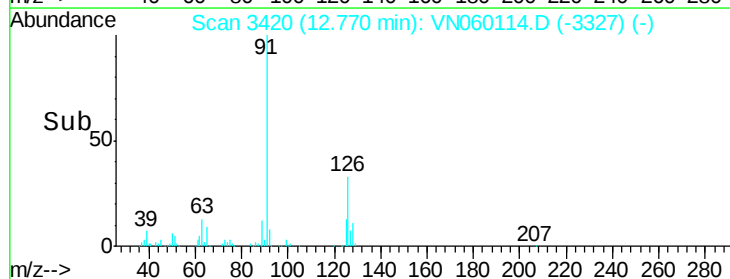
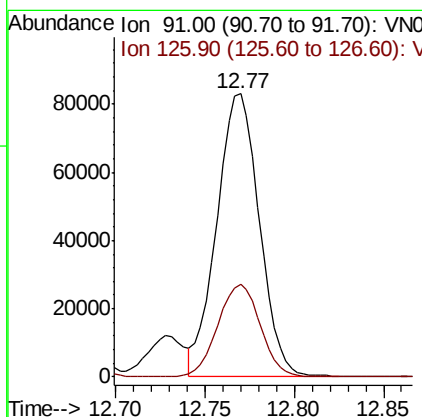
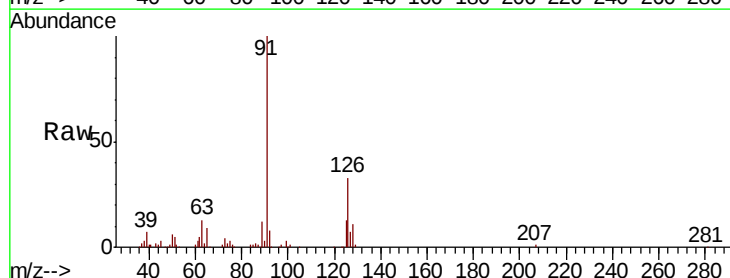
Instrument :
MSVOA_N
ClientSampleId :

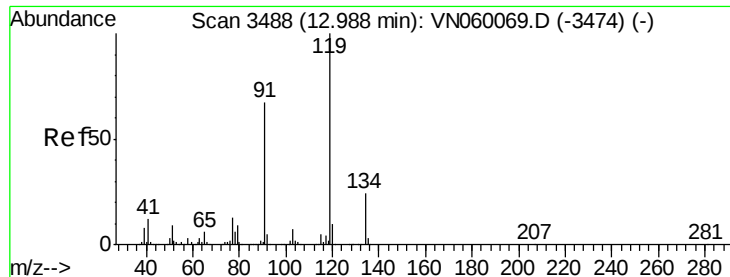
Tot Ion: 75 Resp: 22636
Ion Ratio Lower Upper
75 100
53 95.3 73.9 110.9
89 45.8 37.0 55.4



#82
4-Chlorotoluene
Concen: 18.854 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. -0.00 min
Lab File: VN060114.D
Acq: 17 Feb 2020 13:13

Tgt Ion: 91 Resp: 136947
Ion Ratio Lower Upper
91 100
126 32.9 17.1 51.3

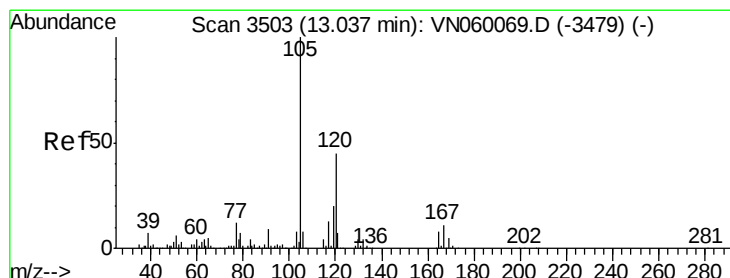
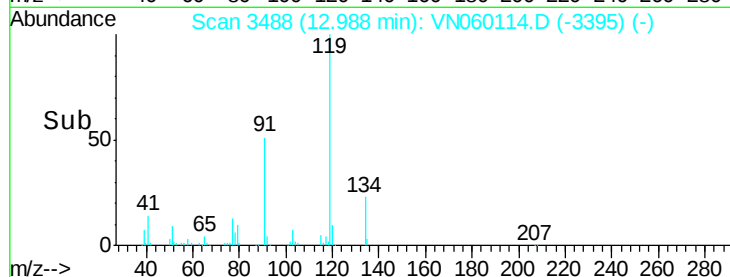
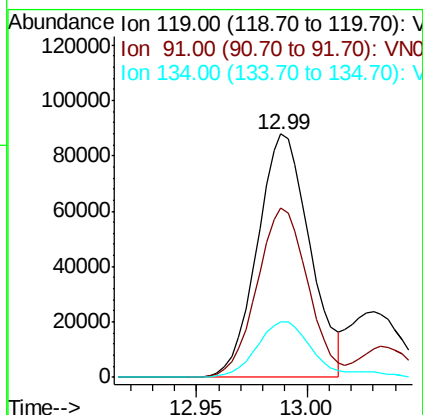
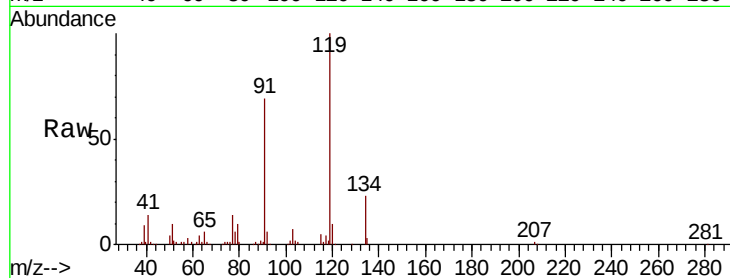




#83
 tert-Butylbenzene
 Concen: 18.617 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. -0.00 min
 Lab File: VN060114.D
 Acq: 17 Feb 2020 13:13

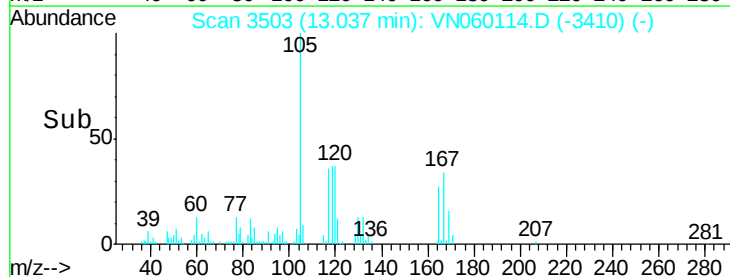
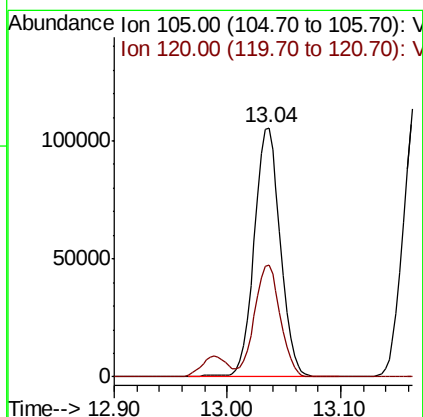
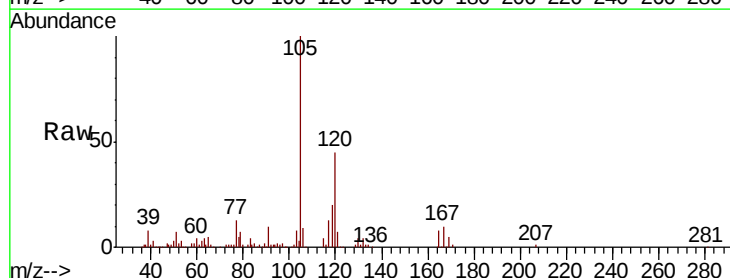
Instrument :
 MSVOA_N
 ClientSampled :

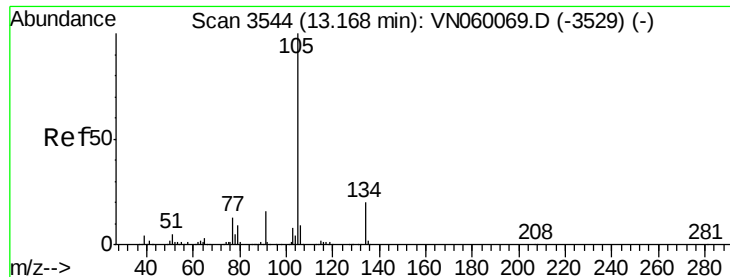
Tot Ion:119 Resp: 144764
 Ion Ratio Lower Upper
 119 100
 91 67.7 32.7 98.1
 134 25.1 12.9 38.7



#84
 1,2,4-Trimethylbenzene
 Concen: 19.487 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN060114.D
 Acq: 17 Feb 2020 13:13

Tgt Ion:105 Resp: 169088
 Ion Ratio Lower Upper
 105 100
 120 44.6 22.4 67.3





#85

sec-Butylbenzene

Concen: 19.061 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN060114.D

Acq: 17 Feb 2020 13:13

Instrument :

MSVOA_N

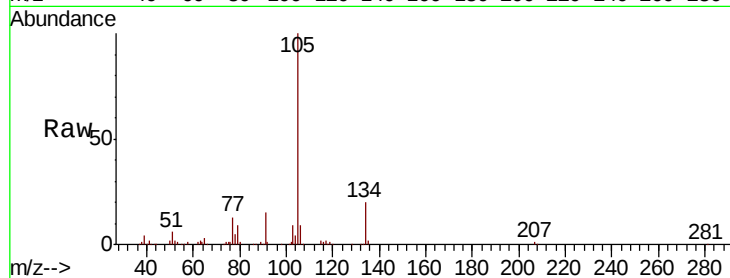
ClientSampled :

Tot Ion:105 Resp: 196293

Ion Ratio Lower Upper

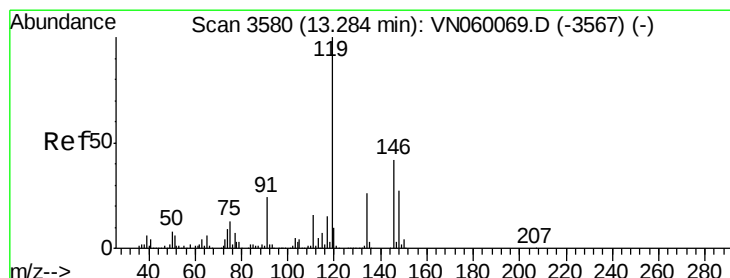
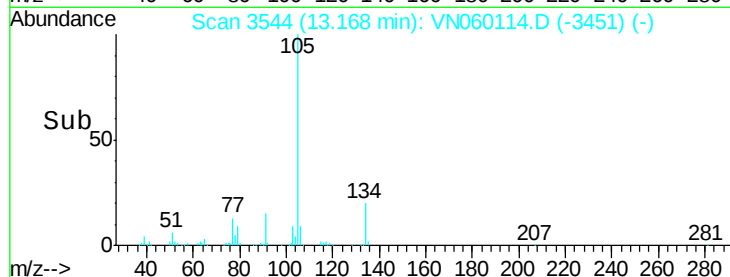
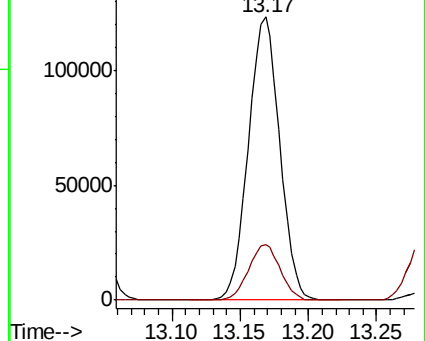
105 100

134 19.8 9.9 29.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 18.956 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN060114.D

Acq: 17 Feb 2020 13:13

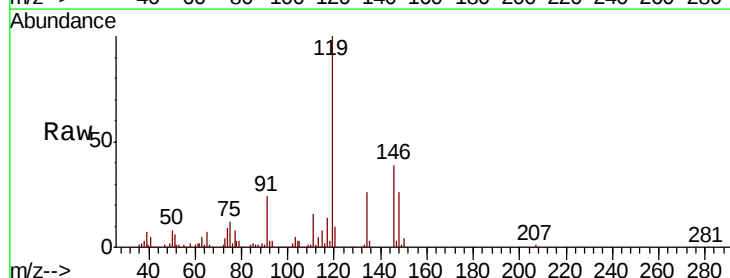
Tgt Ion:119 Resp: 176872

Ion Ratio Lower Upper

119 100

134 25.8 13.3 39.8

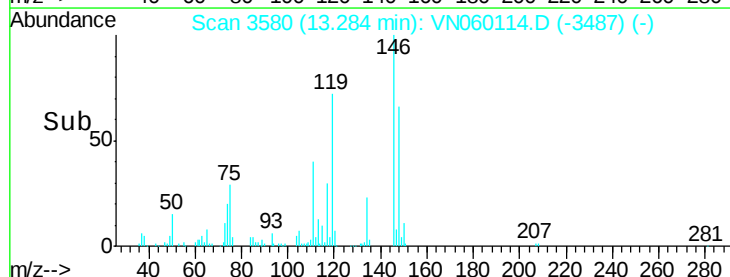
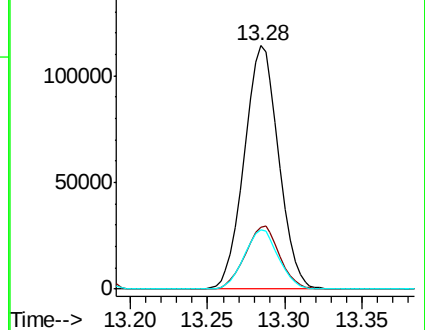
91 24.2 11.9 35.9

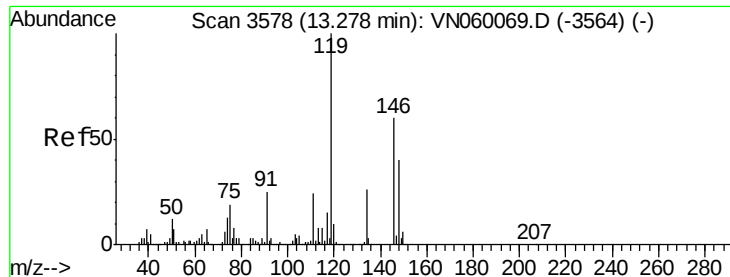


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 18.415 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. -0.00 min

Lab File: VN060114.D

Acq: 17 Feb 2020 13:13

Instrument :

MSVOA_N

ClientSampled :

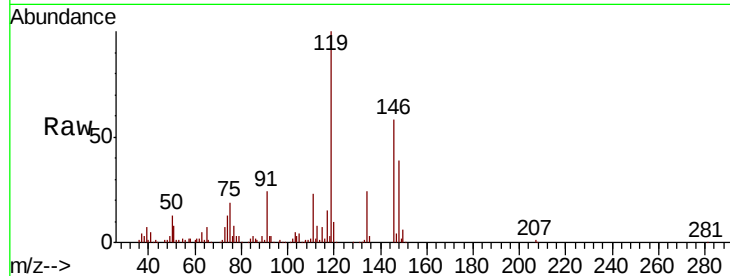
Tot Ion:146 Resp: 85523

Ion Ratio Lower Upper

146 100

111 40.1 19.8 59.3

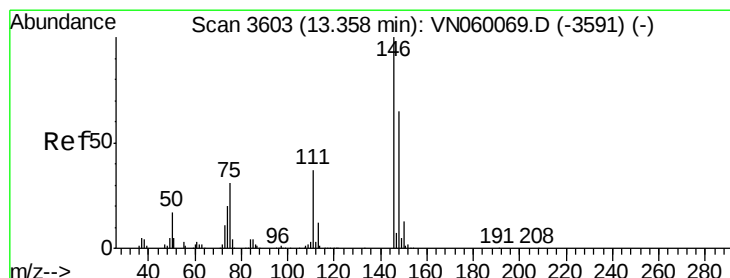
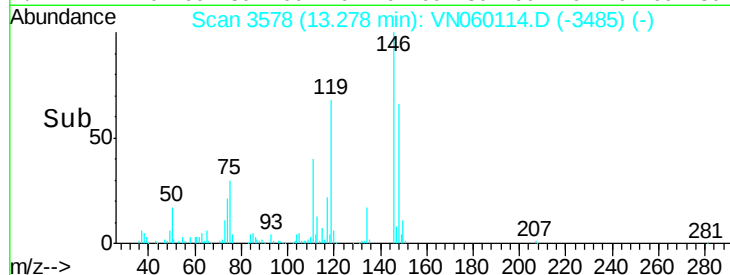
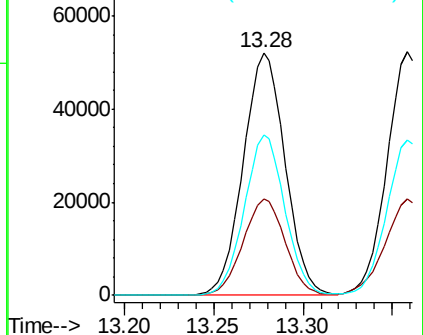
148 64.3 32.0 96.2



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: 18.650 ug/l

RT: 13.36 min Scan# 3603

Delta R.T. -0.00 min

Lab File: VN060114.D

Acq: 17 Feb 2020 13:13

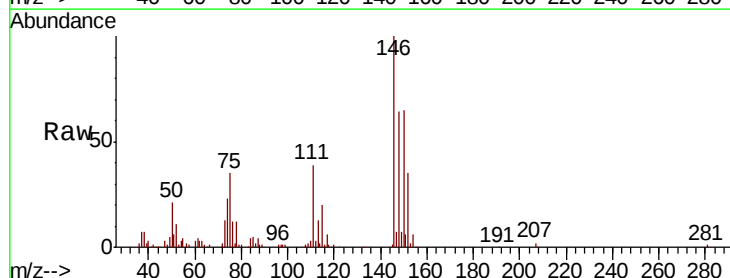
Tgt Ion:146 Resp: 86596

Ion Ratio Lower Upper

146 100

111 40.4 18.9 56.5

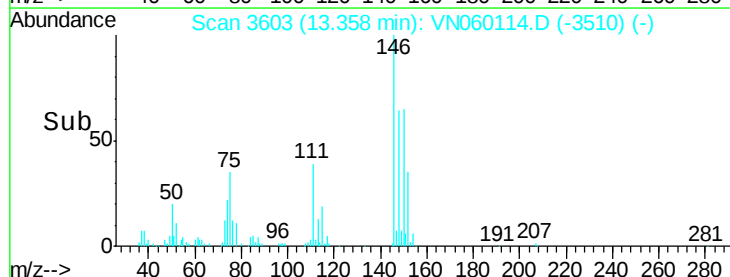
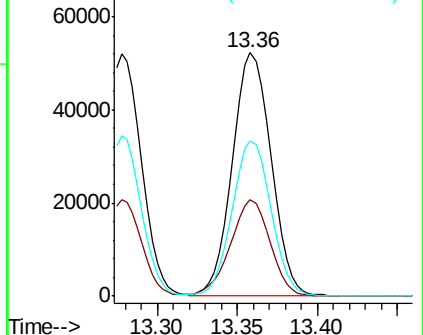
148 64.2 32.0 96.0

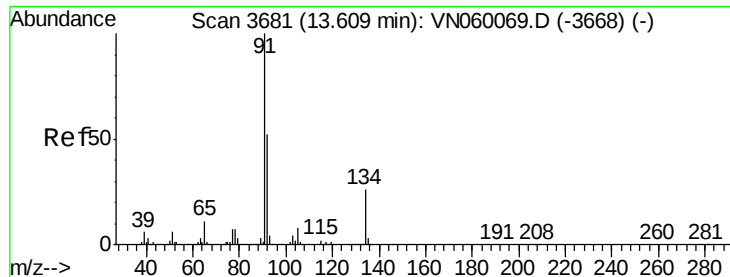


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 19.157 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN060114.D

Acq: 17 Feb 2020 13:13

Instrument :

MSVOA_N

ClientSampleId :

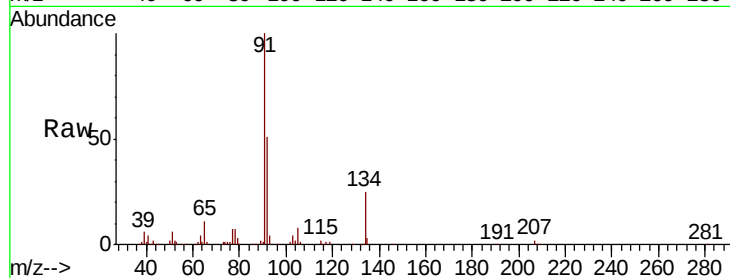
Tot Ion: 91 Resp: 157218

Ion Ratio Lower Upper

91 100

92 51.0 26.1 78.2

134 24.9 13.1 39.3



Abundance Ion 91.00 (90.70 to 91.70): VN060114.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN060114.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN060114.D (-3668) (-)

13.61

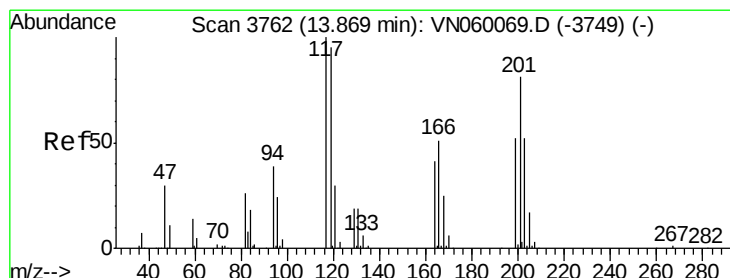
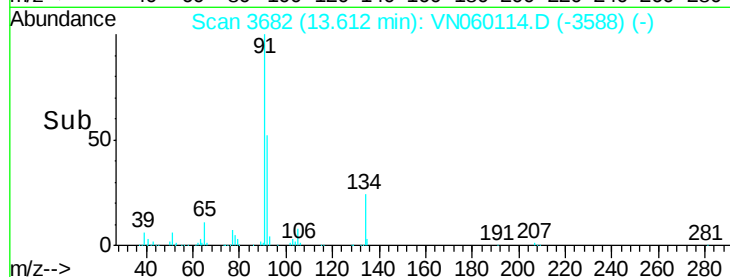
100000

50000

0

13.60 13.70

Time-->



#90

Hexachloroethane

Concen: 18.471 ug/l

RT: 13.87 min Scan# 3762

Delta R.T. -0.00 min

Lab File: VN060114.D

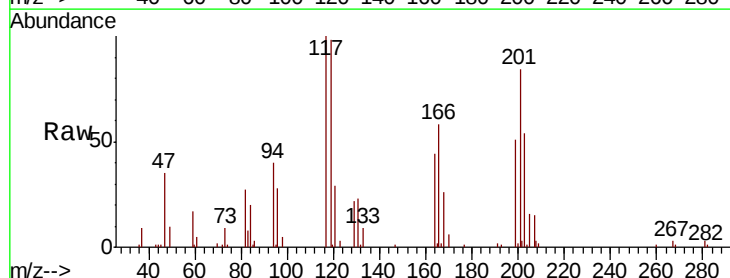
Acq: 17 Feb 2020 13:13

Tgt Ion: 117 Resp: 32196

Ion Ratio Lower Upper

117 100

201 82.7 41.7 125.1



Abundance Ion 116.80 (116.50 to 117.50): VN060114.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN060114.D (-3749) (-)

13.87

20000

15000

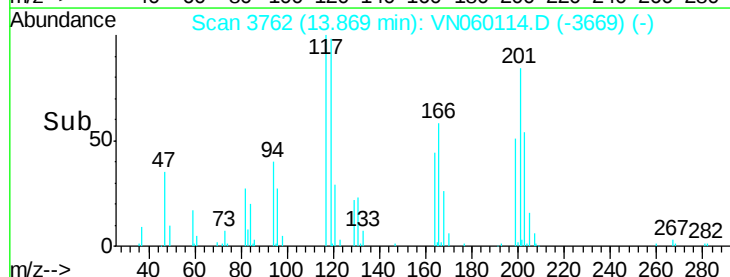
10000

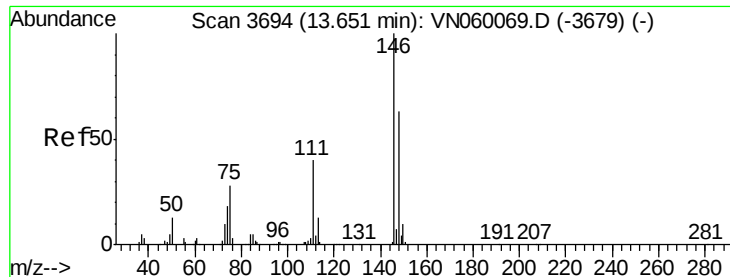
5000

0

13.80 13.85 13.90

Time-->





#91

1,2-Dichlorobenzene

Concen: 19.027 ug/l

RT: 13.65 min Scan# 3693

Delta R.T. -0.00 min

Lab File: VN060114.D

Acq: 17 Feb 2020 13:13

Instrument :

MSVOA_N

ClientSampleId :

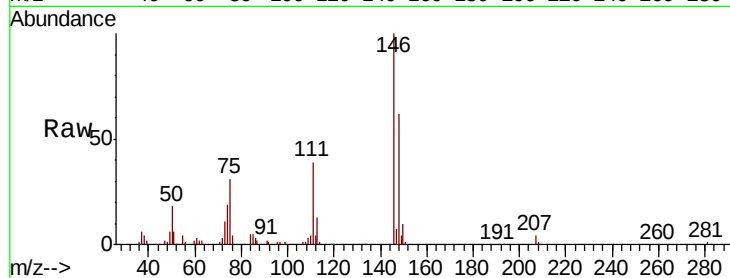
Tot Ion:146 Resp: 86480

Ion Ratio Lower Upper

146 100

111 39.7 20.1 60.2

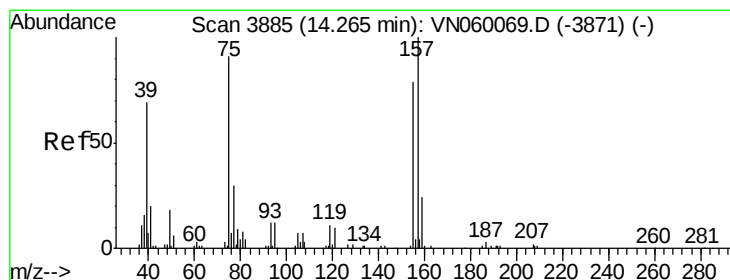
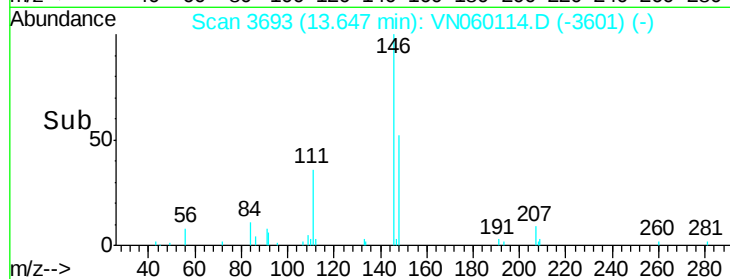
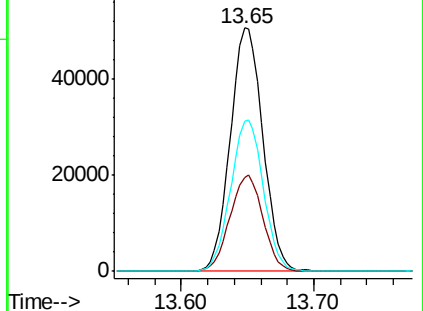
148 62.3 31.9 95.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.863 ug/l

RT: 14.26 min Scan# 3885

Delta R.T. 0.00 min

Lab File: VN060114.D

Acq: 17 Feb 2020 13:13

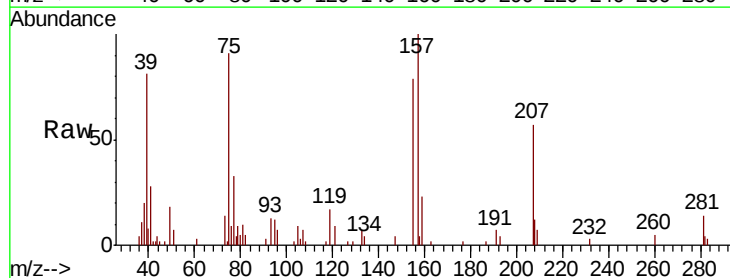
Tgt Ion: 75 Resp: 13790

Ion Ratio Lower Upper

75 100

155 77.2 43.0 129.0

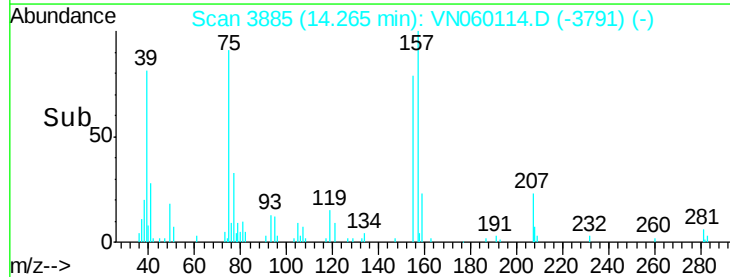
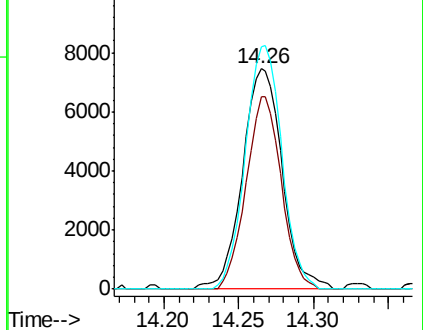
157 101.6 54.9 164.5

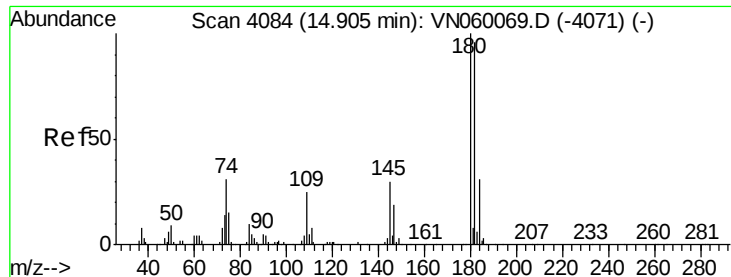


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

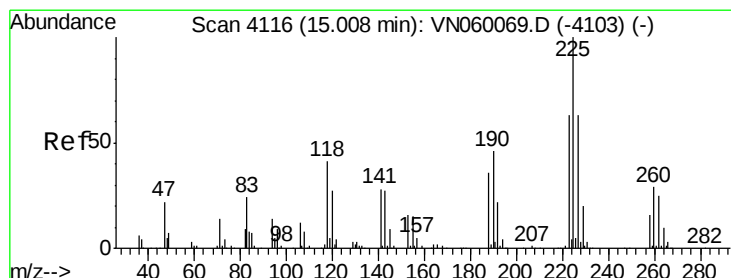
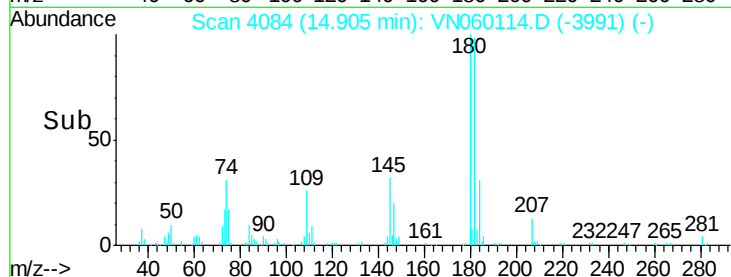
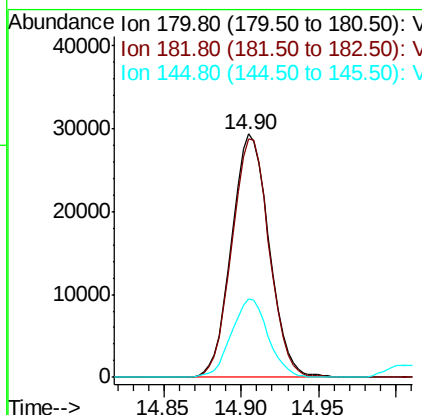
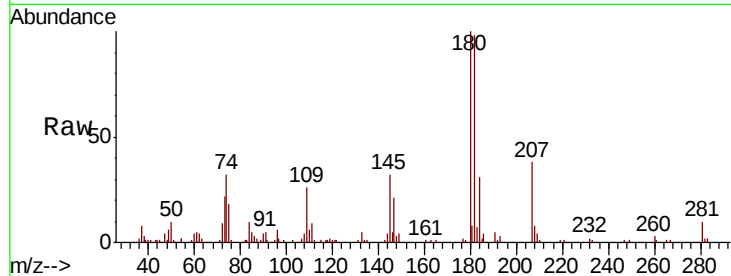




#93
 1,2,4-Trichlorobenzene
 Concen: 18.552 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.00 min
 Lab File: VN060114.D
 Acq: 17 Feb 2020 13:13

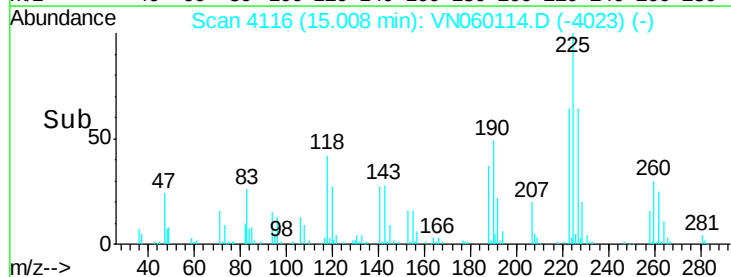
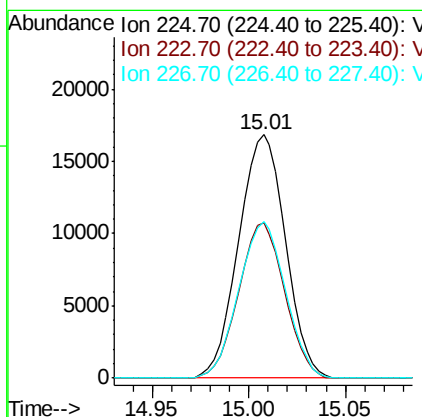
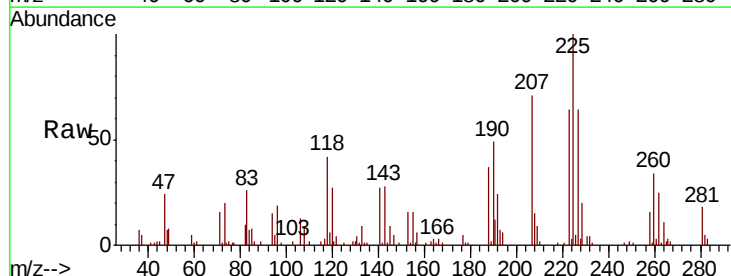
Instrument :
 MSVOA_N
 ClientSampled :

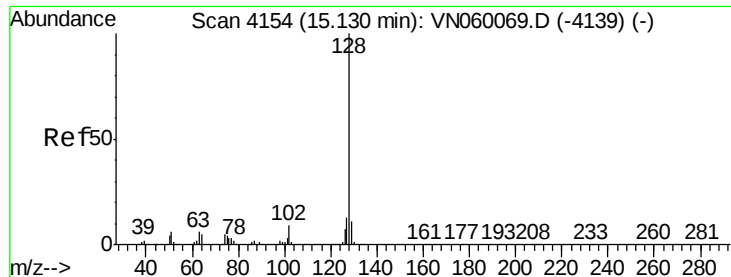
Tot Ion	Ratio	Lower	Upper
180	100		
182	97.1	47.9	143.8
145	31.5	15.2	45.5



#94
 Hexachlorobutadiene
 Concen: 18.132 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN060114.D
 Acq: 17 Feb 2020 13:13

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	31.5	94.5
227	64.1	31.8	95.4

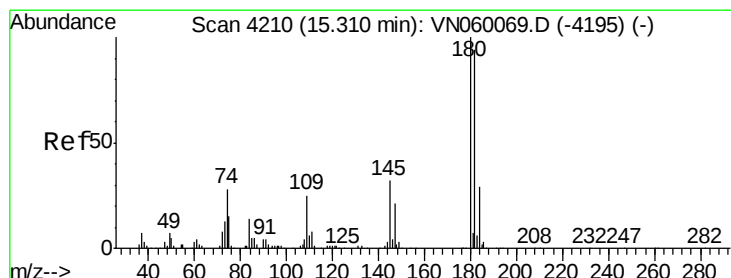
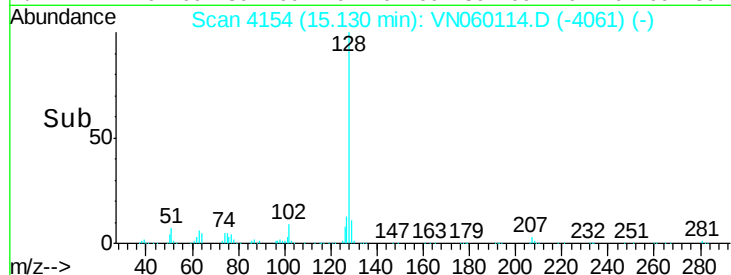
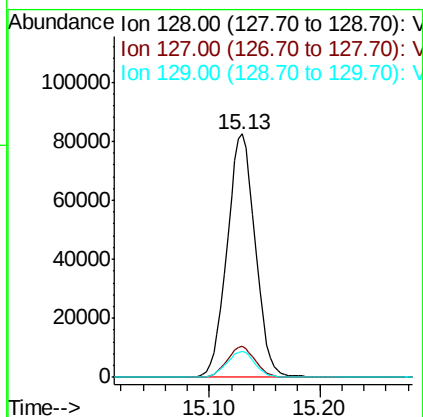
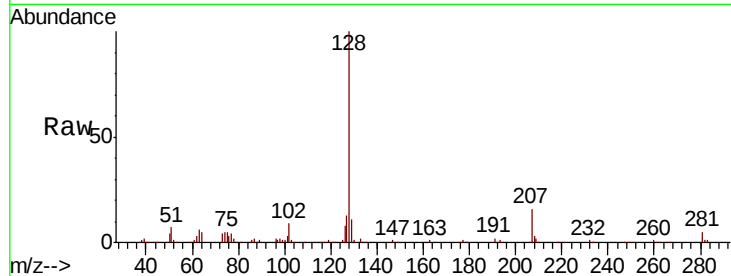




#95
Naphthalene
Concen: 20.212 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN060114.D
Acq: 17 Feb 2020 13:13

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:128 Resp: 145808
Ion Ratio Lower Upper
128 100
127 12.6 10.3 15.5
129 10.8 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 18.794 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. -0.00 min
Lab File: VN060114.D
Acq: 17 Feb 2020 13:13

Tgt Ion:180 Resp: 49982
Ion Ratio Lower Upper
180 100
182 96.5 47.5 142.5
145 32.4 16.1 48.3

