

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN030420\
 Data File : VN060340.D
 Acq On : 4 Mar 2020 11:25
 Operator : JC/MD
 Sample : VN0304WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0304WBS01

Quant Time: Mar 05 05:07:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	207481	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	336413	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	308750	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	148024	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	130933	49.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.38%	
35) Dibromofluoromethane	7.56	113	88867	56.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.82%	
50) Toluene-d8	10.08	98	384175	48.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.22%	
62) 4-Bromofluorobenzene	12.40	95	143240	47.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.62%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	31490	16.554	ug/l	99
3) Chloromethane	2.04	50	56425	17.037	ug/l	97
4) Vinyl Chloride	2.16	62	45898	16.159	ug/l	98
5) Bromomethane	2.54	94	17776	13.808	ug/l	96
6) Chloroethane	2.68	64	25473	16.552	ug/l	97
7) Trichlorofluoromethane	3.00	101	61415	16.924	ug/l	98
8) Diethyl Ether	3.38	74	23704	17.300	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	35397	17.235	ug/l	100
10) Methyl Iodide	3.92	142	30991	16.534	ug/l	98
11) Tert butyl alcohol	4.73	59	35394	89.543	ug/l #	83
12) 1,1-Dichloroethene	3.72	96	35573	17.796	ug/l	97
13) Acrolein	3.57	56	35985	97.585	ug/l	98
14) Allyl chloride	4.29	41	59228	16.115	ug/l	90
15) Acrylonitrile	4.94	53	93733	89.966	ug/l	99
16) Acetone	3.78	43	78924	91.810	ug/l	98
17) Carbon Disulfide	4.03	76	90836	16.703	ug/l	99
18) Methyl Acetate	4.29	43	47514	16.562	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	131177	18.125	ug/l	98
20) Methylene Chloride	4.52	84	40224	17.038	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	38076	17.502	ug/l	94
22) Diisopropyl ether	5.91	45	137211	18.431	ug/l	98
23) Vinyl Acetate	5.86	43	538636	91.052	ug/l	100
24) 1,1-Dichloroethane	5.82	63	76541	18.163	ug/l	98
25) 2-Butanone	6.80	43	126932	91.415	ug/l	99
26) 2,2-Dichloropropane	6.79	77	67553	17.608	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	46399	16.949	ug/l	99
28) Bromochloromethane	7.17	49	31578	18.251	ug/l	100
29) Tetrahydrofuran	7.18	42	86679	89.771	ug/l	99
30) Chloroform	7.35	83	76355	18.201	ug/l	98
31) Cyclohexane	7.63	56	67629	17.946	ug/l	97
32) 1,1,1-Trichloroethane	7.54	97	67674	18.207	ug/l	99
36) 1,1-Dichloropropene	7.77	75	56320	17.566	ug/l	98
37) Ethyl Acetate	6.90	43	55254	18.200	ug/l	99
38) Carbon Tetrachloride	7.75	117	55070	17.642	ug/l	96

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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)
39) Methylcyclohexane	9.06	83	65598	17.353	ug/l	97
40) Benzene	8.02	78	167039	17.900	ug/l	99
41) Methacrylonitrile	7.14	41	24462	17.451	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	61486	18.259	ug/l	99
43) Isopropyl Acetate	8.14	43	98636	18.559	ug/l	99
44) Trichloroethene	8.82	130	46816	18.013	ug/l	99
45) 1,2-Dichloropropane	9.10	63	46035	18.868	ug/l	99
46) Dibromomethane	9.19	93	28832	18.212	ug/l	98
47) Bromodichloromethane	9.39	83	59507	18.482	ug/l	98
48) Methyl methacrylate	9.18	41	42690	17.614	ug/l	99
49) 1,4-Dioxane	9.18	88	12334	361.887	ug/l	96
51) 4-Methyl-2-Pentanone	9.97	43	281389	93.380	ug/l	99
52) Toluene	10.14	92	105223	17.950	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	69718	17.671	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	73650	18.015	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	41436	17.578	ug/l	99
56) Ethyl methacrylate	10.42	69	60668	17.914	ug/l	97
57) 1,3-Dichloropropane	10.70	76	71388	18.570	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	161256	91.041	ug/l	99
59) 2-Hexanone	10.74	43	200076	90.430	ug/l	99
60) Dibromochloromethane	10.89	129	43801	18.271	ug/l	100
61) 1,2-Dibromoethane	11.00	107	41740	18.164	ug/l	100
64) Tetrachloroethene	10.62	164	49215	19.379	ug/l	99
65) Chlorobenzene	11.43	112	109873	17.624	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	42541	18.455	ug/l	100
67) Ethyl Benzene	11.50	91	203256	17.903	ug/l	100
68) m/p-Xylenes	11.62	106	151525	35.374	ug/l	99
69) o-Xylene	11.94	106	73303	17.946	ug/l	100
70) Styrene	11.96	104	116340	17.323	ug/l	99
71) Bromoform	12.12	173	30031	18.076	ug/l #	98
73) Isopropylbenzene	12.25	105	199731	18.205	ug/l	100
74) N-amyl acetate	12.06	43	83876	17.495	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	55359	18.563	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	77520	23.870	ug/l #	100
77) Bromobenzene	12.52	156	47241	17.566	ug/l	98
78) n-propylbenzene	12.59	91	231222	17.979	ug/l	100
79) 2-Chlorotoluene	12.67	91	136475	18.053	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	168510	18.242	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	21038	17.882	ug/l #	85
82) 4-Chlorotoluene	12.77	91	140349	17.621	ug/l	99
83) tert-Butylbenzene	12.99	119	144734	18.097	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	168615	18.085	ug/l	100
85) sec-Butylbenzene	13.17	105	193448	18.063	ug/l	99
86) p-Isopropyltoluene	13.28	119	174081	17.562	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	85184	18.313	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	86103	18.522	ug/l	98
89) n-Butylbenzene	13.61	91	160191	17.604	ug/l	100
90) Hexachloroethane	13.87	117	23820	16.601	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	82770	17.564	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	11889	17.604	ug/l	95

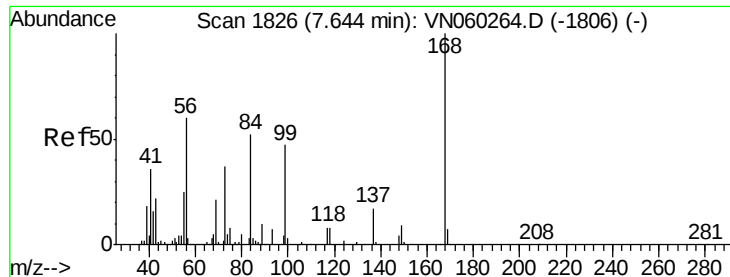
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QLast Update : Thu Feb 27 13:52:50 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	52624	17.632	ug/l	99
94) Hexachlorobutadiene	15.01	225	26335	18.775	ug/l	99
95) Naphthalene	15.13	128	151622	17.012	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	51338	18.089	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060340.D

Acq: 4 Mar 2020 11:25

Instrument :

MSVOA_N

ClientSampleId :

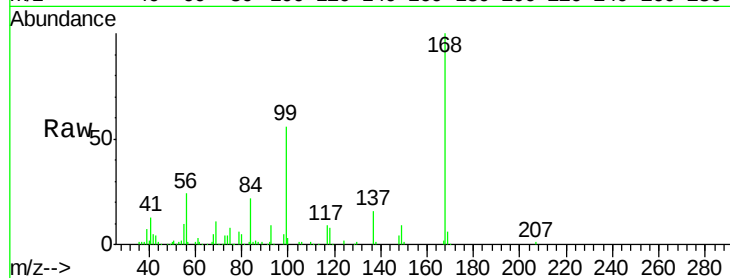
VN0304WBS01

Tgt Ion:168 Resp: 207481

Ion Ratio Lower Upper

168 100

99 56.4 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

80000

60000

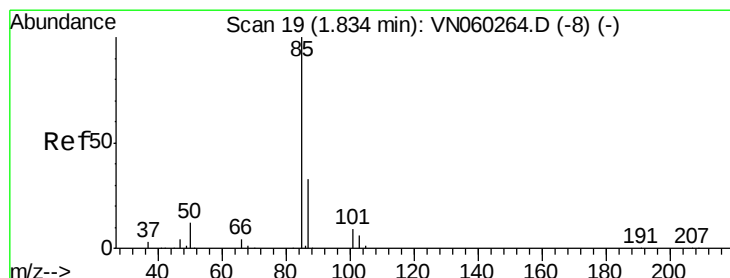
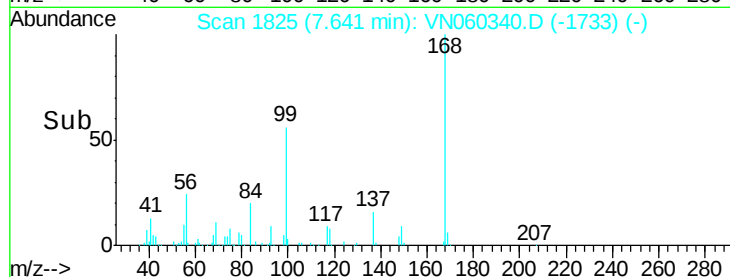
40000

20000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 16.554 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060340.D

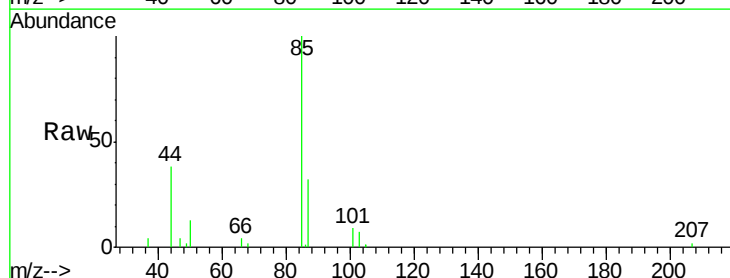
Acq: 4 Mar 2020 11:25

Tgt Ion: 85 Resp: 31490

Ion Ratio Lower Upper

85 100

87 31.9 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

25000

20000

15000

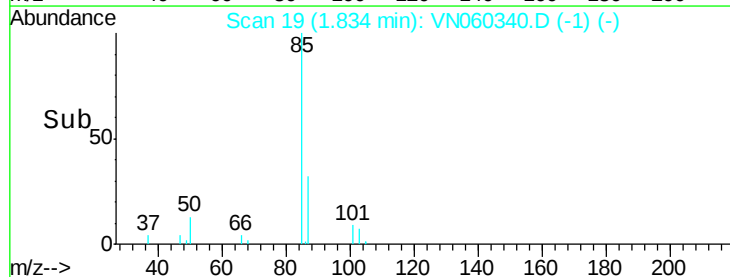
10000

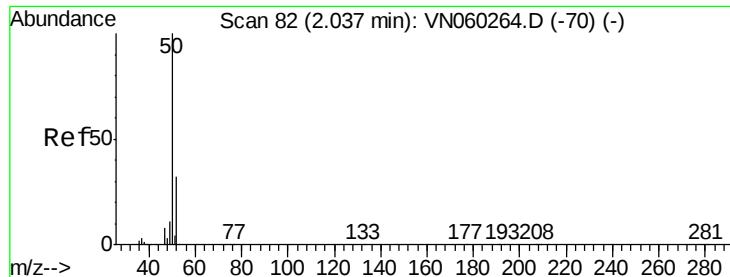
5000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 17.037 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060340.D

Acq: 4 Mar 2020 11:25

Instrument :

MSVOA_N

ClientSampleId :

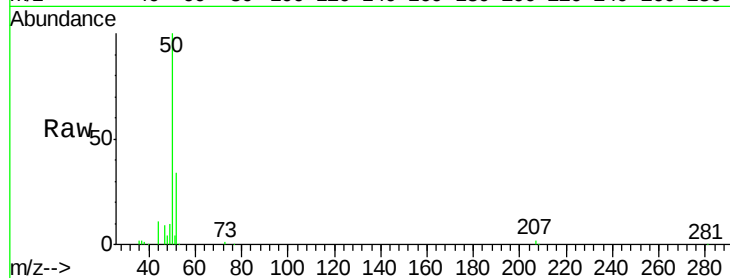
VN0304WBS01

Tgt Ion: 50 Resp: 56425

Ion Ratio Lower Upper

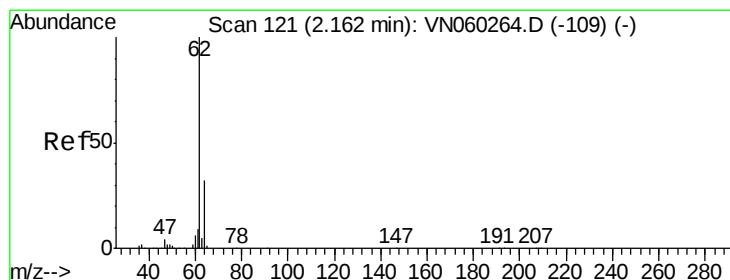
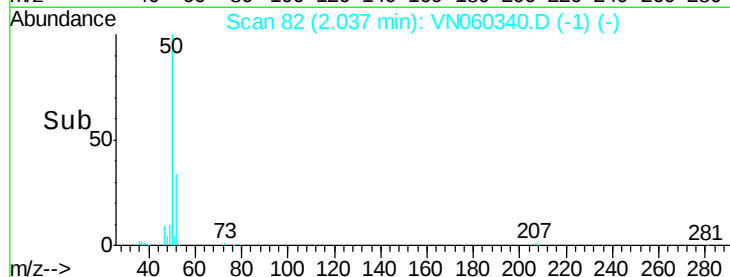
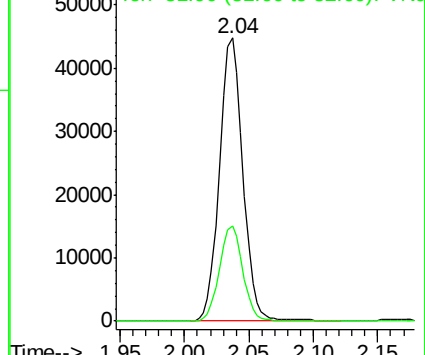
50 100

52 33.7 25.6 38.4



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 16.159 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN060340.D

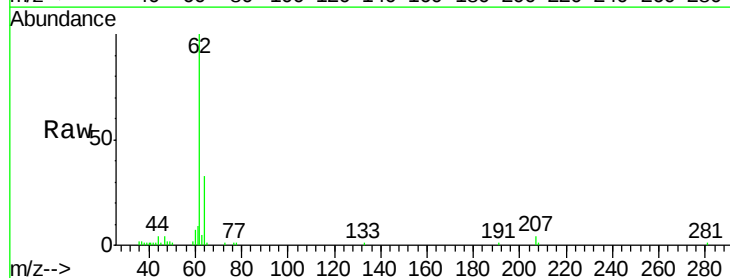
Acq: 4 Mar 2020 11:25

Tgt Ion: 62 Resp: 45898

Ion Ratio Lower Upper

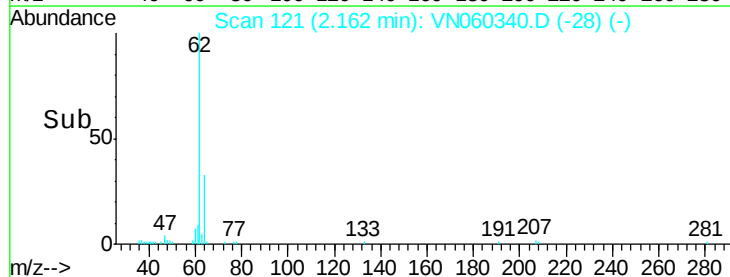
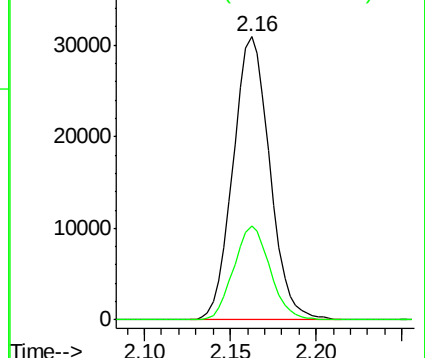
62 100

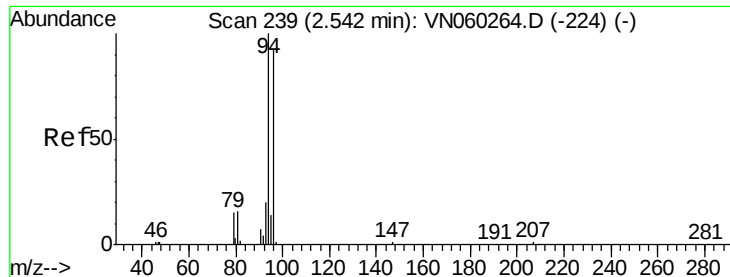
64 33.0 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 13.808 ug/l

RT: 2.54 min Scan# 240

Delta R.T. 0.00 min

Lab File: VN060340.D

Acq: 4 Mar 2020 11:25

Instrument :

MSVOA_N

ClientSampleId :

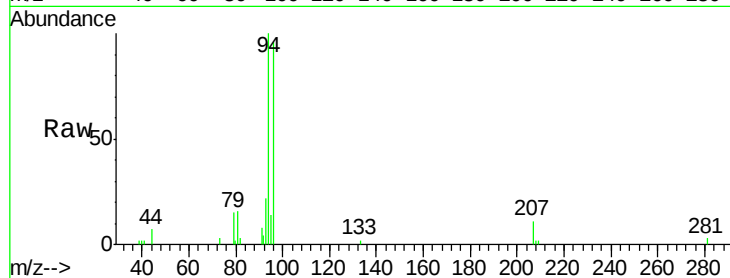
VN0304WBS01

Tgt Ion: 94 Resp: 17776

Ion Ratio Lower Upper

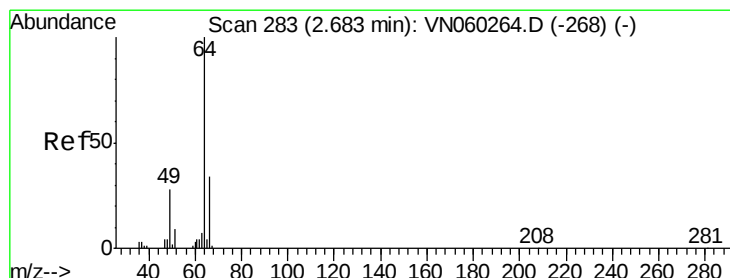
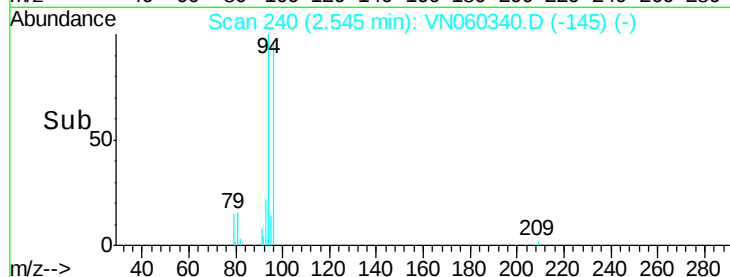
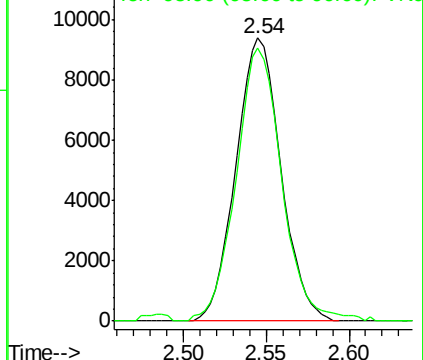
94 100

96 96.5 74.3 111.5



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 16.552 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN060340.D

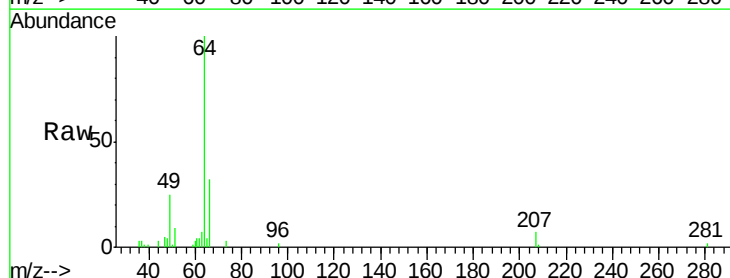
Acq: 4 Mar 2020 11:25

Tgt Ion: 64 Resp: 25473

Ion Ratio Lower Upper

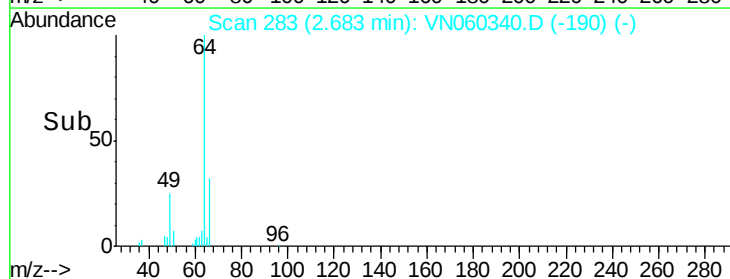
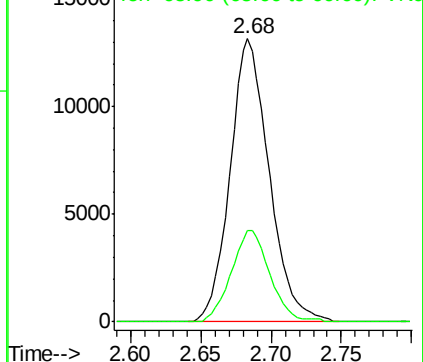
64 100

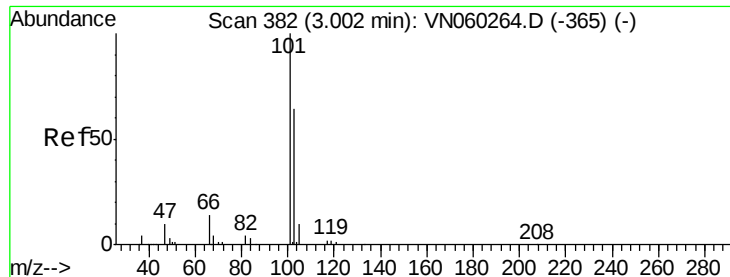
66 32.3 27.4 41.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



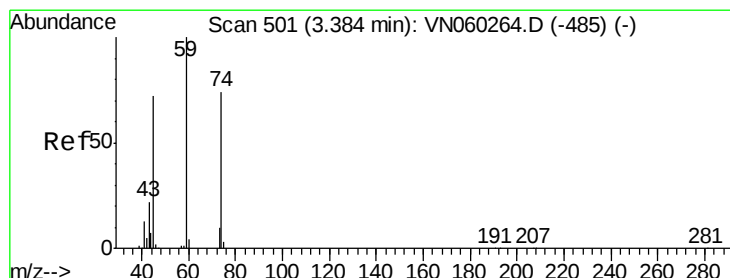
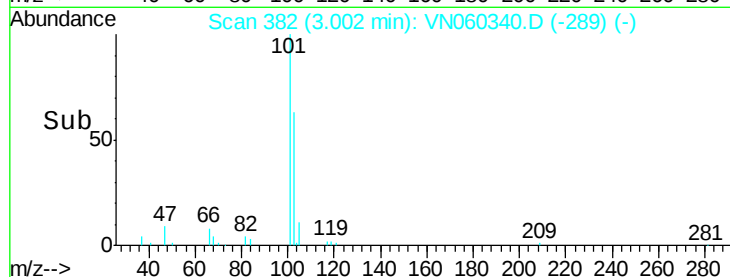
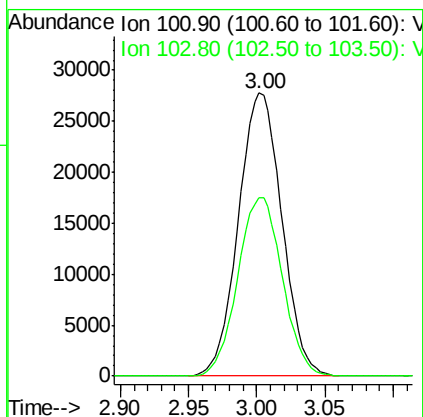
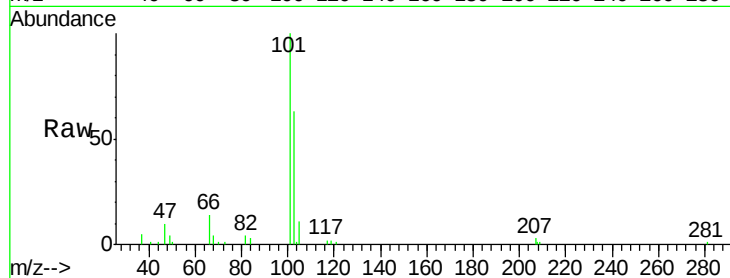


#7

Trichlorofluoromethane
 Concen: 16.924 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VN060340.D
 Acq: 4 Mar 2020 11:25

Instrument :
 MSVOA_N
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 VN0304WBS01

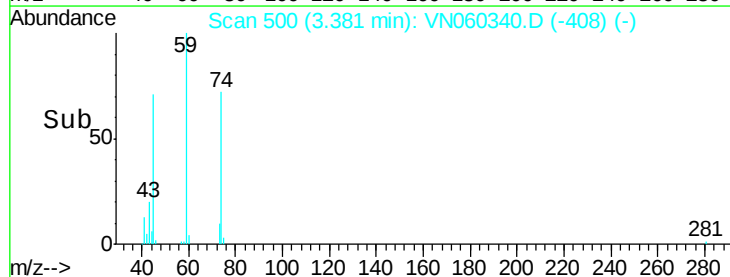
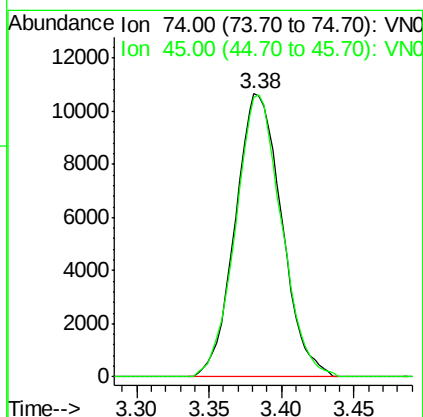
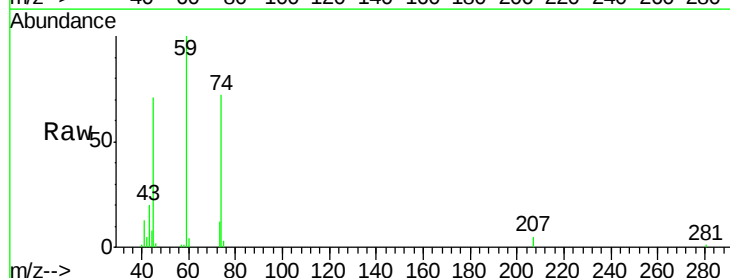
Tgt Ion: 101 Resp: 61415
 Ion Ratio Lower Upper
 101 100
 103 62.8 51.3 76.9

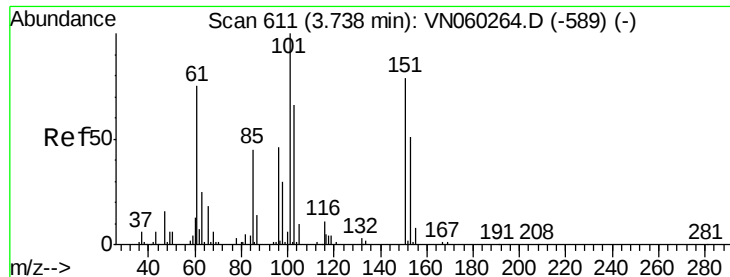


#8

Diethyl Ether
 Concen: 17.300 ug/l
 RT: 3.38 min Scan# 500
 Delta R.T. -0.00 min
 Lab File: VN060340.D
 Acq: 4 Mar 2020 11:25

Tgt Ion: 74 Resp: 23704
 Ion Ratio Lower Upper
 74 100
 45 98.4 49.5 148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.235 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN060340.D

Acq: 4 Mar 2020 11:25

Instrument :

MSVOA_N

ClientSampleId :

VN0304WBS01

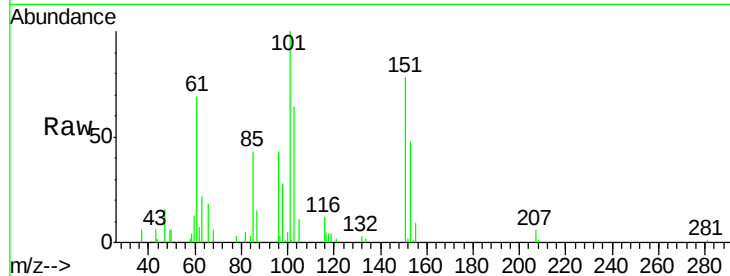
Tgt Ion:101 Resp: 35397

Ion Ratio Lower Upper

101 100

85 44.2 35.4 53.2

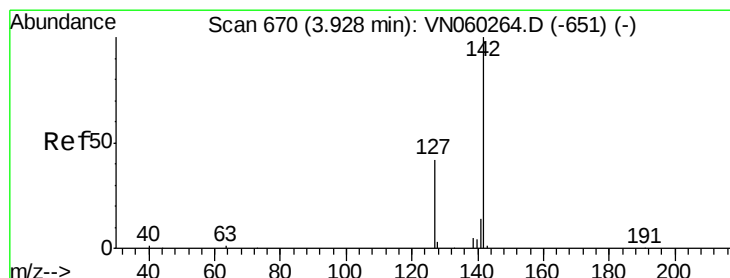
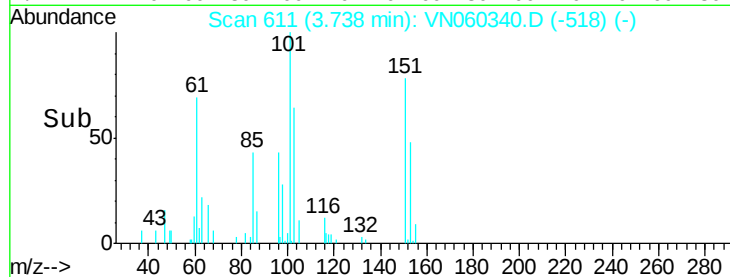
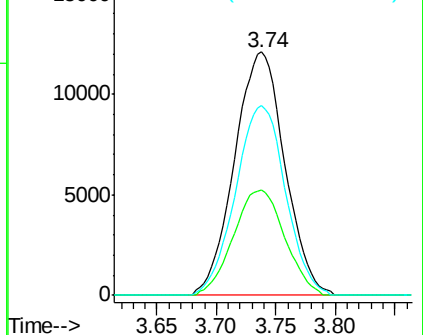
151 77.6 62.0 93.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 16.534 ug/l

RT: 3.92 min Scan# 669

Delta R.T. -0.00 min

Lab File: VN060340.D

Acq: 4 Mar 2020 11:25

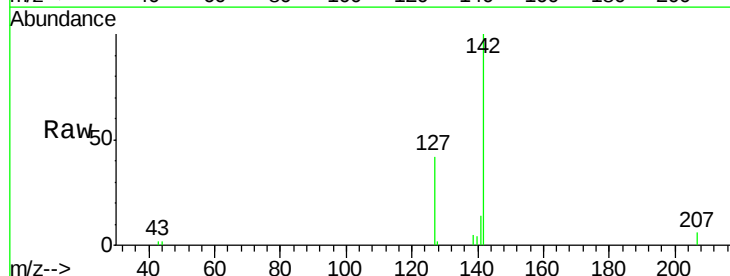
Tgt Ion:142 Resp: 30991

Ion Ratio Lower Upper

142 100

127 43.8 33.8 50.6

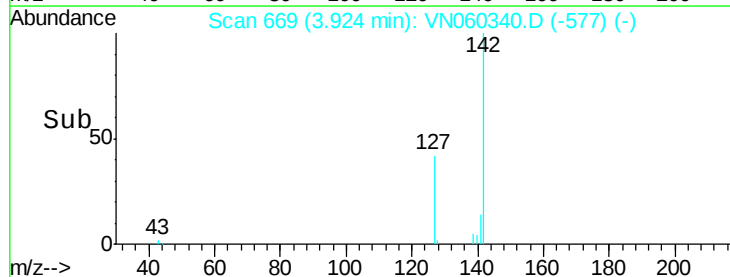
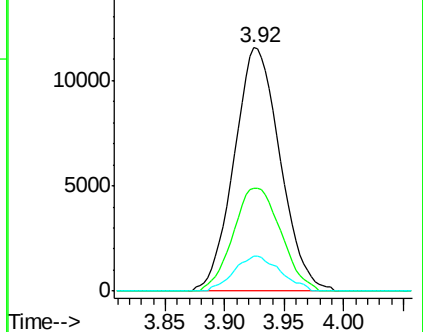
141 14.4 11.1 16.7

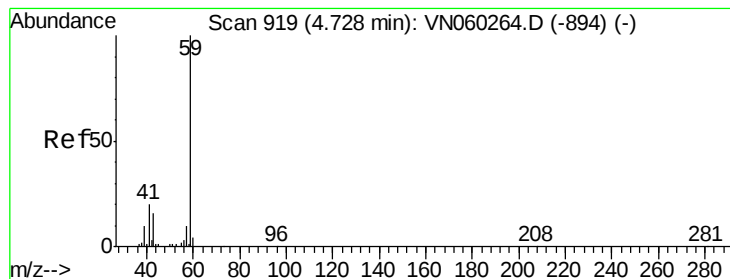


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



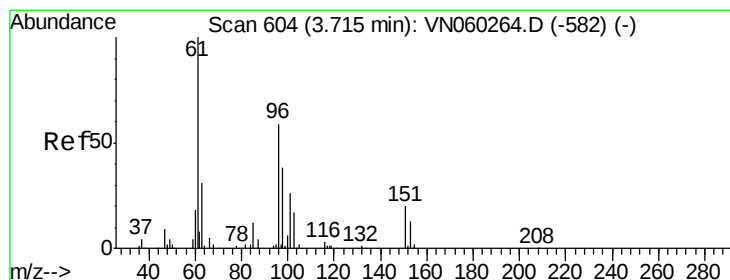
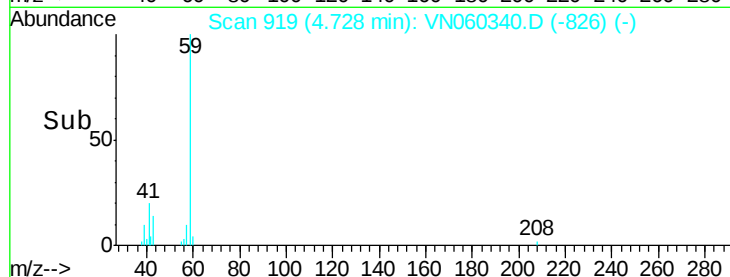
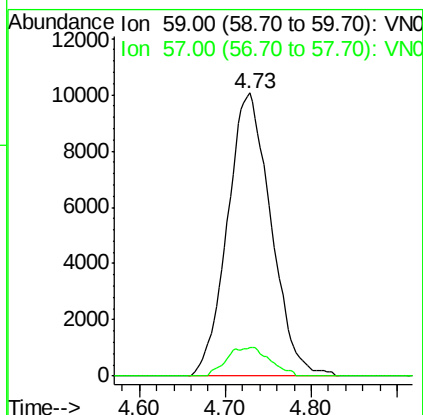
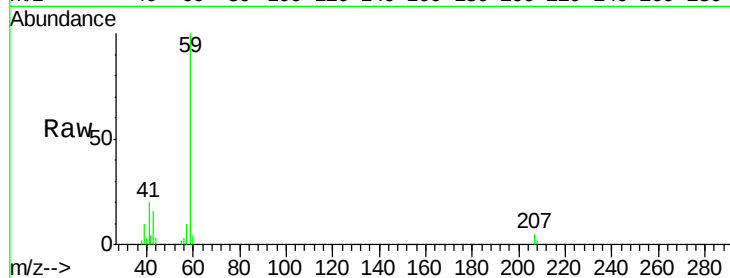


#11

Tert butyl alcohol
 Concen: 89.543 ug/l
 RT: 4.73 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VN060340.D
 Acq: 4 Mar 2020 11:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0304WBS01

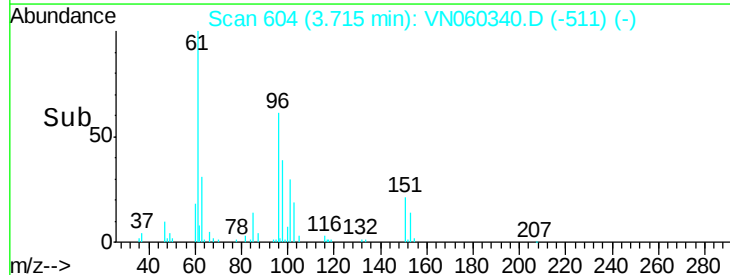
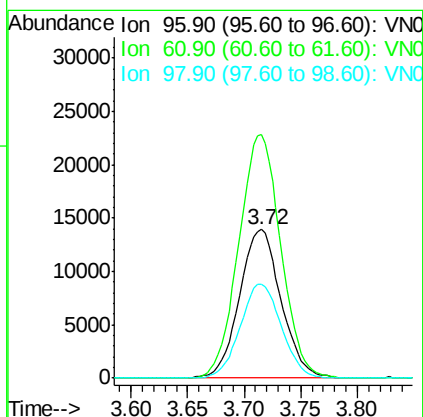
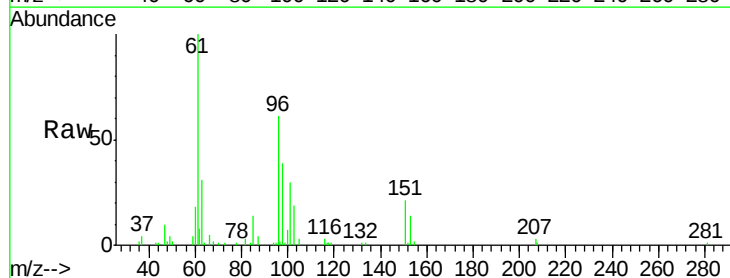
Tgt Ion: 59 Resp: 35394
 Ion Ratio Lower Upper
 59 100
 57 3.9 8.2 12.2#

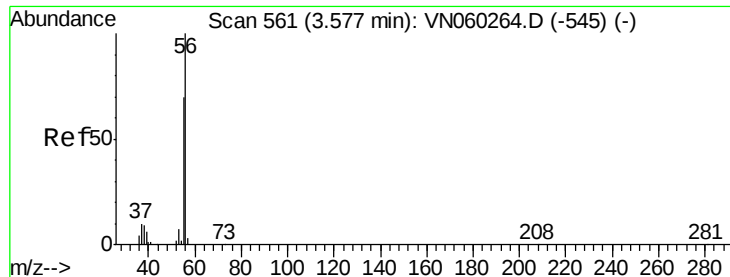


#12

1,1-Dichloroethene
 Concen: 17.796 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN060340.D
 Acq: 4 Mar 2020 11:25

Tgt Ion: 96 Resp: 35573
 Ion Ratio Lower Upper
 96 100
 61 163.7 135.4 203.0
 98 63.5 51.6 77.4





#13

Acrolein

Concen: 97.585 ug/l

RT: 3.57 min Scan# 560

Delta R.T. -0.00 min

Lab File: VN060340.D

Acq: 4 Mar 2020 11:25

Instrument :

MSVOA_N

ClientSampleId :

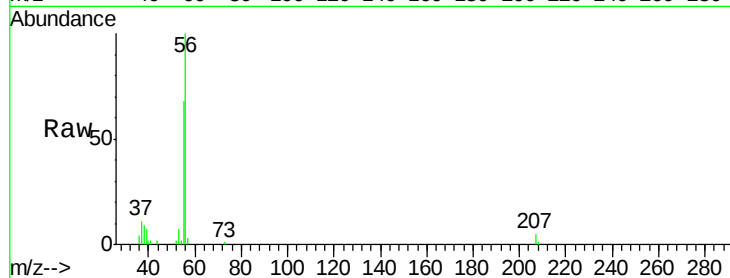
VN0304WBS01

Tgt Ion: 56 Resp: 35985

Ion Ratio Lower Upper

56 100

55 69.8 57.4 86.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

15000

10000

5000

0

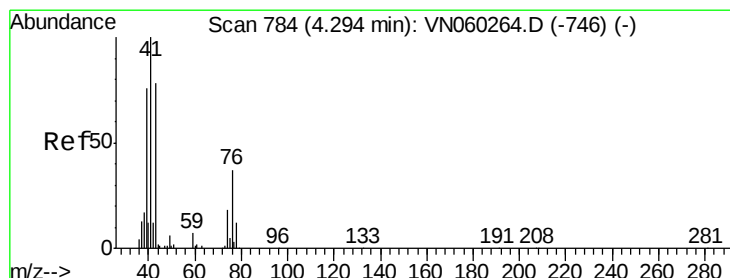
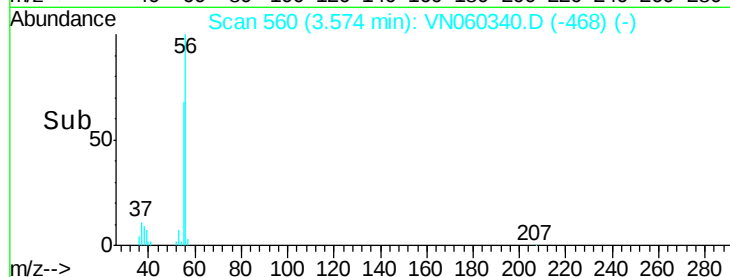
3.57

3.50

3.60

3.70

Time-->



#14

Allyl chloride

Concen: 16.115 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.00 min

Lab File: VN060340.D

Acq: 4 Mar 2020 11:25

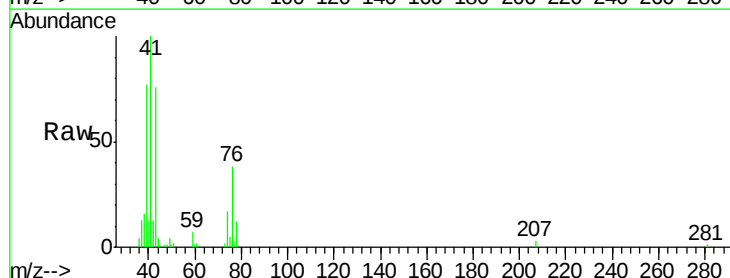
Tgt Ion: 41 Resp: 59228

Ion Ratio Lower Upper

41 100

39 79.1 55.4 83.2

76 36.9 27.0 40.6



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

25000

20000

15000

10000

5000

0

4.29

4.20

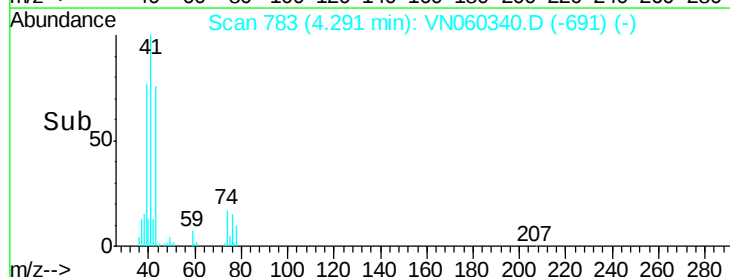
4.25

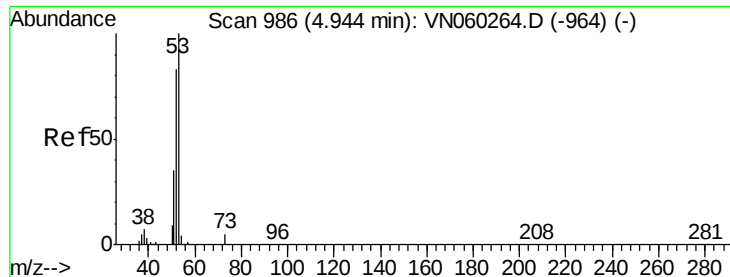
4.30

4.35

4.40

Time-->





#15

Acrylonitrile

Concen: 89.966 ug/l

RT: 4.94 min Scan# 986

Delta R.T. 0.00 min

Lab File: VN060340.D

Acq: 4 Mar 2020 11:25

Instrument :

MSVOA_N

ClientSampleId :

VN0304WBS01

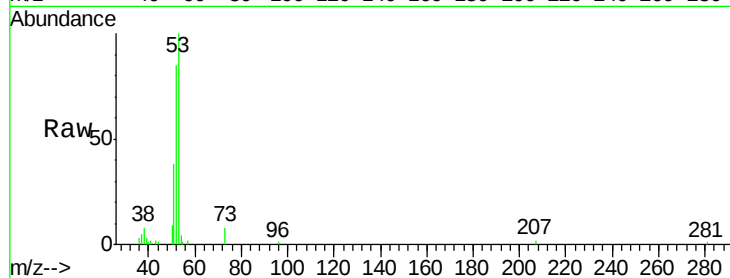
Tgt Ion: 53 Resp: 93733

Ion Ratio Lower Upper

53 100

52 84.0 66.8 100.2

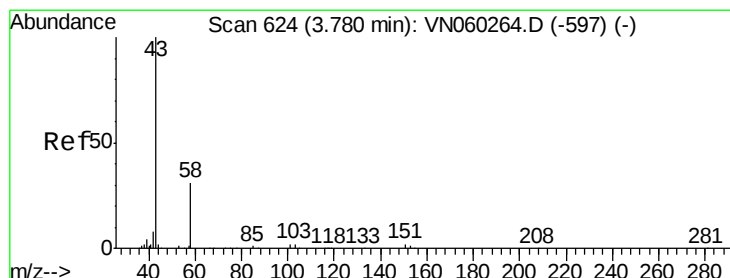
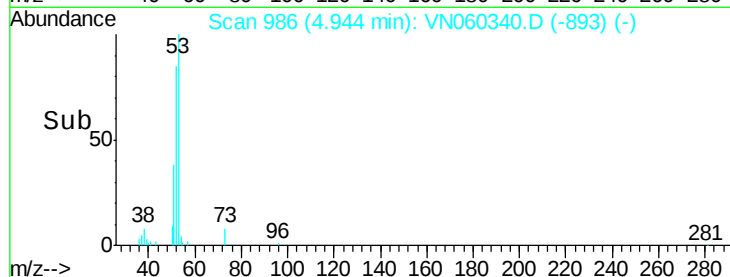
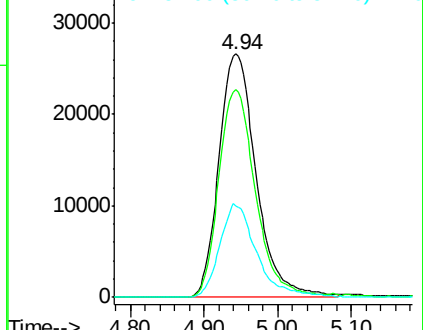
51 38.0 29.0 43.6



Abundance Ion 53.00 (52.70 to 53.70): VN060340.D (-933) (-)

Ion 52.00 (51.70 to 52.70): VN060340.D (-933) (-)

Ion 51.00 (50.70 to 51.70): VN060340.D (-933) (-)



#16

Acetone

Concen: 91.810 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.00 min

Lab File: VN060340.D

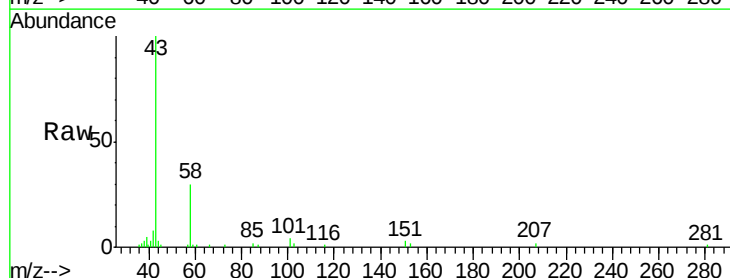
Acq: 4 Mar 2020 11:25

Tgt Ion: 43 Resp: 78924

Ion Ratio Lower Upper

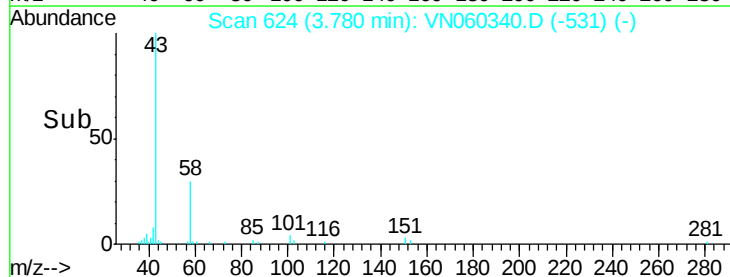
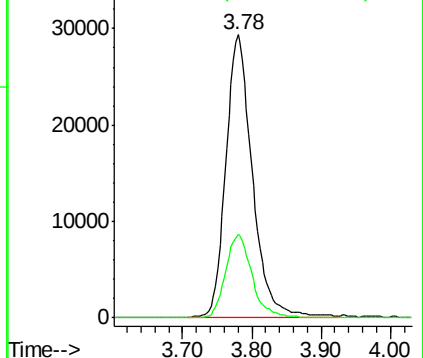
43 100

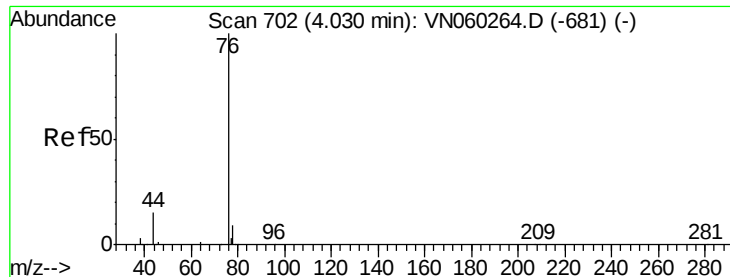
58 29.5 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VN060340.D (-531) (-)

Ion 58.00 (57.70 to 58.70): VN060340.D (-531) (-)

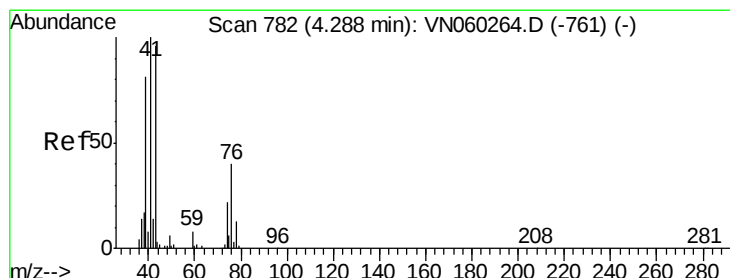
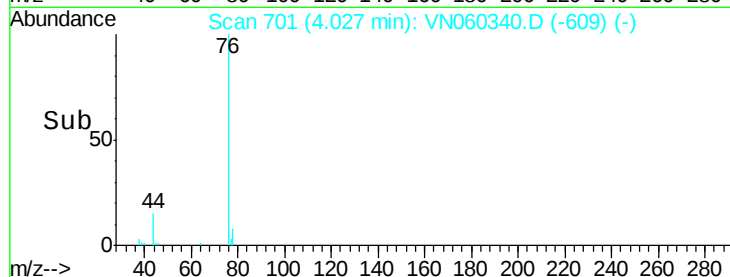
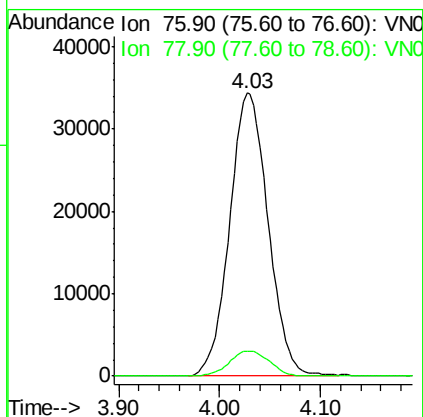
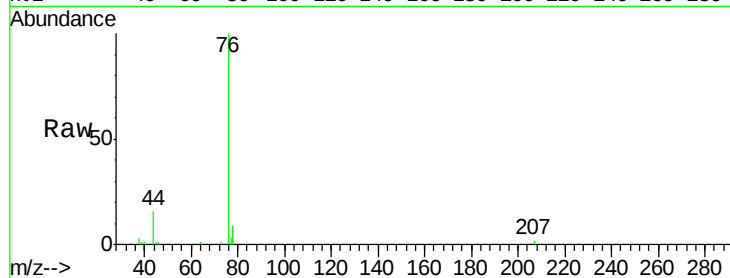




#17
Carbon Disulfide
Concen: 16.703 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN060340.D
Acq: 4 Mar 2020 11:25

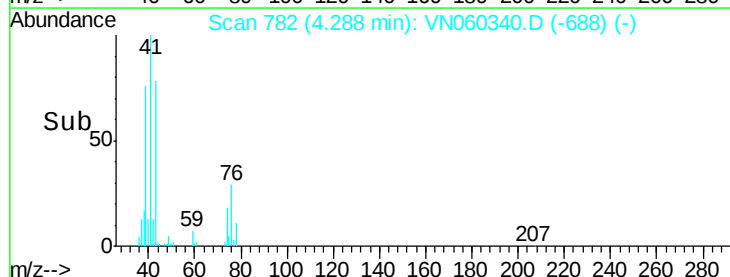
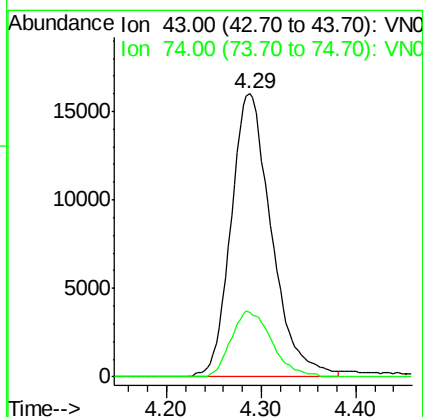
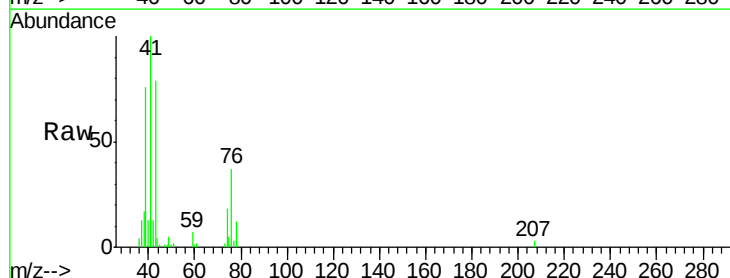
Instrument :
MSVOA_N
ClientSampleId :
VN0304WBS01

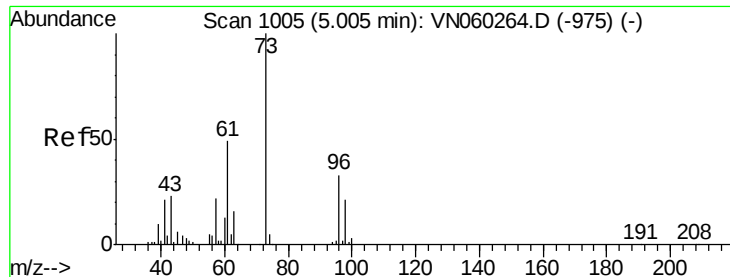
Tgt Ion: 76 Resp: 90836
Ion Ratio Lower Upper
76 100
78 8.7 7.4 11.0



#18
Methyl Acetate
Concen: 16.562 ug/l
RT: 4.29 min Scan# 782
Delta R.T. 0.00 min
Lab File: VN060340.D
Acq: 4 Mar 2020 11:25

Tgt Ion: 43 Resp: 47514
Ion Ratio Lower Upper
43 100
74 23.4 18.8 28.2

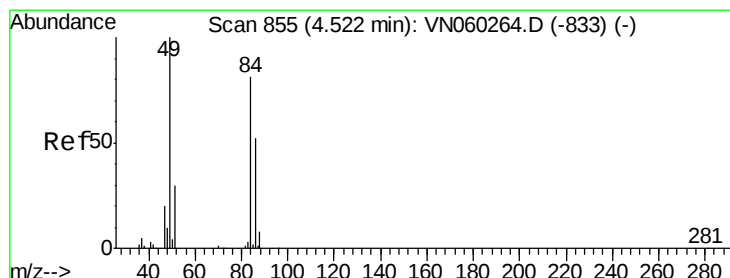
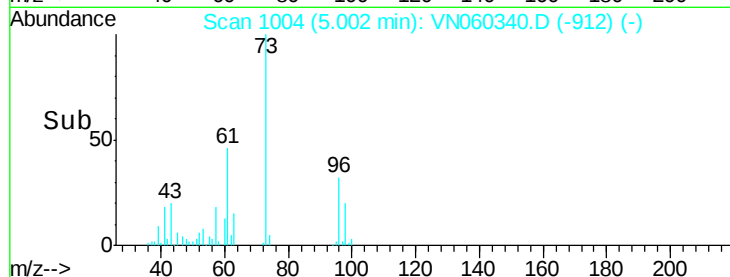
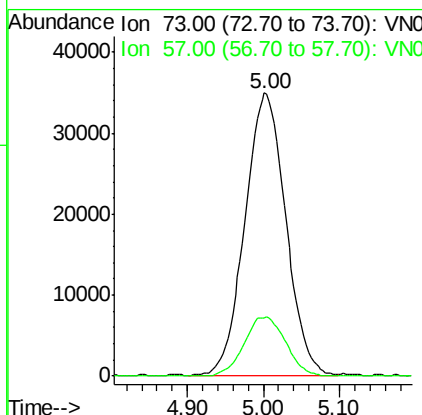
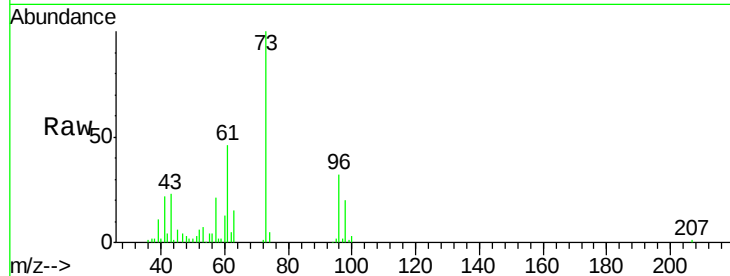




#19
Methyl tert-butyl Ether
Concen: 18.125 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN060340.D
Acq: 4 Mar 2020 11:25

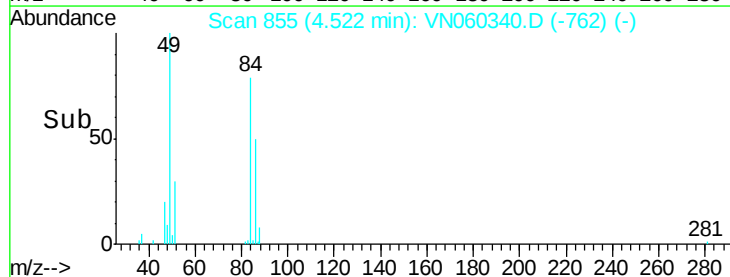
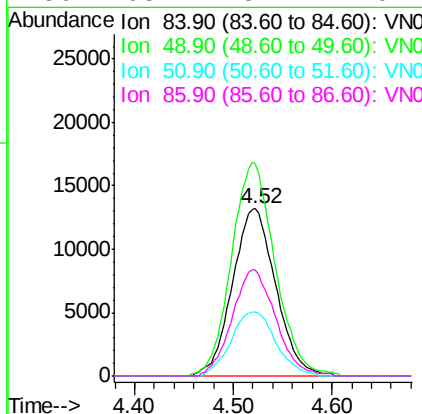
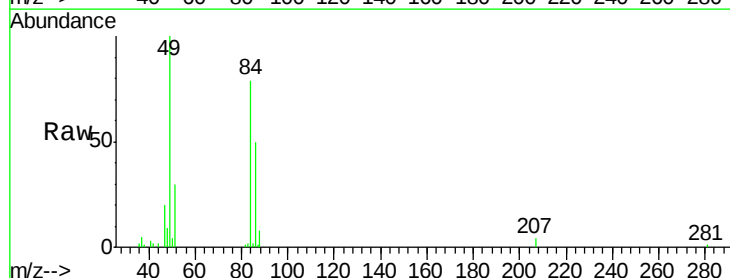
Instrument :
MSVOA_N
ClientSampleId :
VN0304WBS01

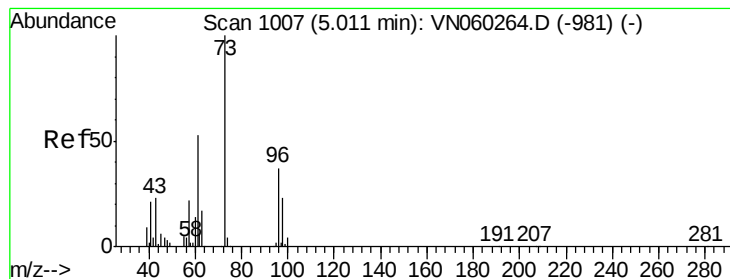
Tgt Ion: 73 Resp: 131177
Ion Ratio Lower Upper
73 100
57 20.7 17.3 25.9



#20
Methylene Chloride
Concen: 17.038 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN060340.D
Acq: 4 Mar 2020 11:25

Tgt Ion: 84 Resp: 40224
Ion Ratio Lower Upper
84 100
49 126.6 99.3 148.9
51 38.1 30.1 45.1
86 63.2 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 17.502 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN060340.D

Acq: 4 Mar 2020 11:25

Instrument :

MSVOA_N

ClientSampleId :

VN0304WBS01

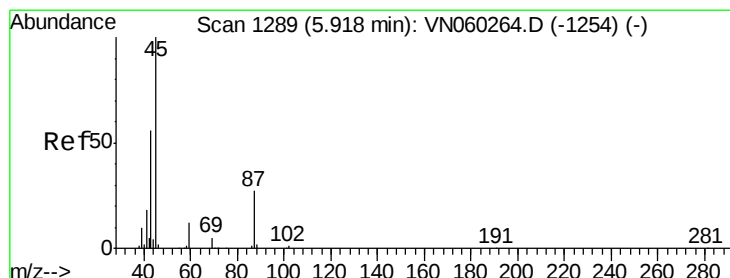
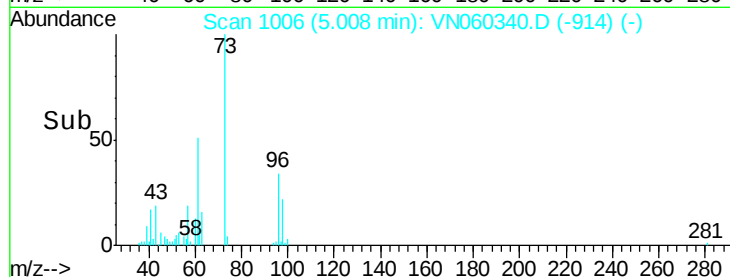
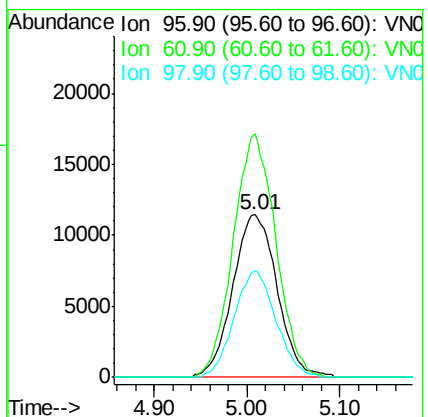
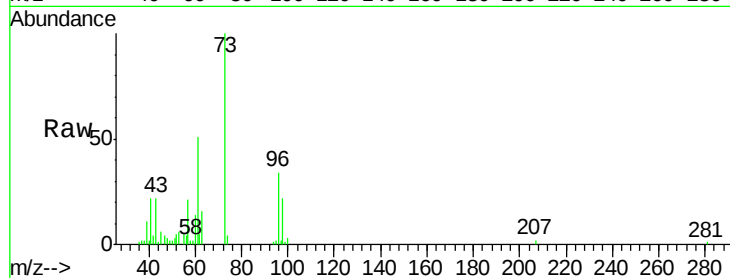
Tgt Ion: 96 Resp: 38076

Ion Ratio Lower Upper

96 100

61 149.7 113.8 170.8

98 65.6 48.8 73.2



#22

Diisopropyl ether

Concen: 18.431 ug/l

RT: 5.91 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VN060340.D

Acq: 4 Mar 2020 11:25

Tgt Ion: 45 Resp: 137211

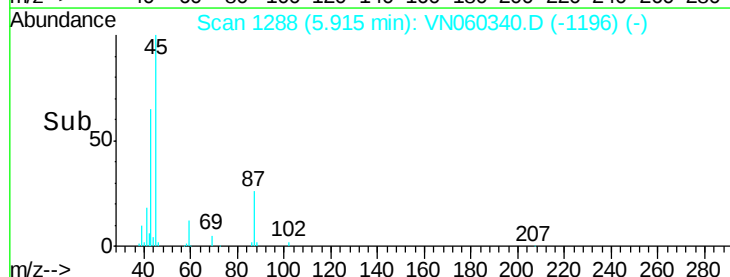
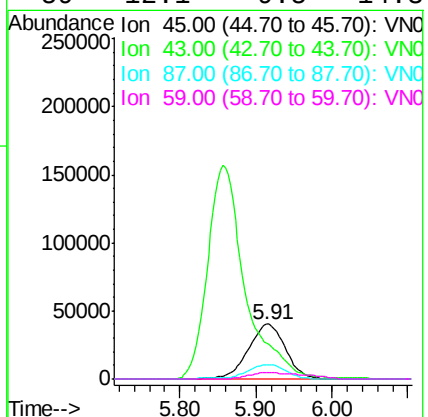
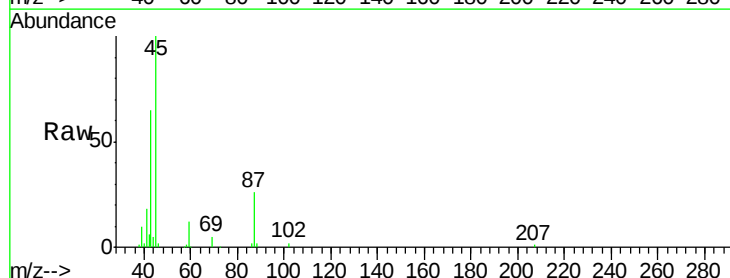
Ion Ratio Lower Upper

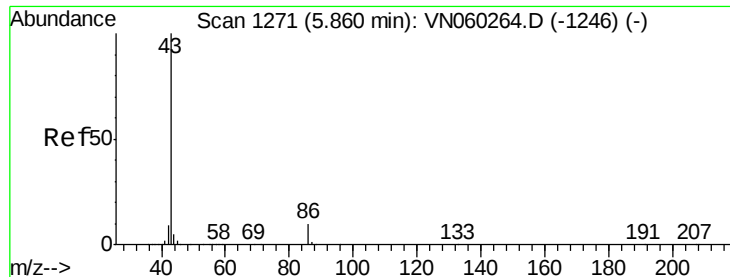
45 100

43 62.8 48.6 72.8

87 26.2 22.2 33.2

59 12.1 9.5 14.3





#23

Vinyl Acetate

Concen: 91.052 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN060340.D

Acq: 4 Mar 2020 11:25

Instrument :

MSVOA_N

ClientSampleId :

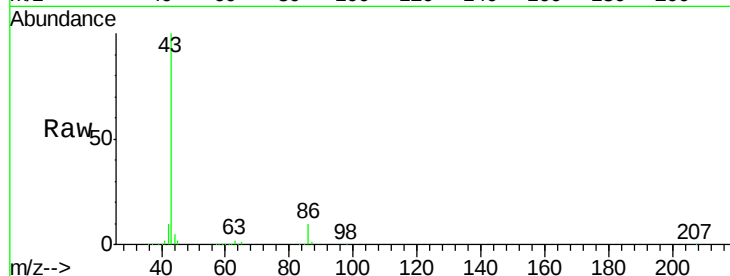
VN0304WBS01

Tgt Ion: 43 Resp: 538636

Ion Ratio Lower Upper

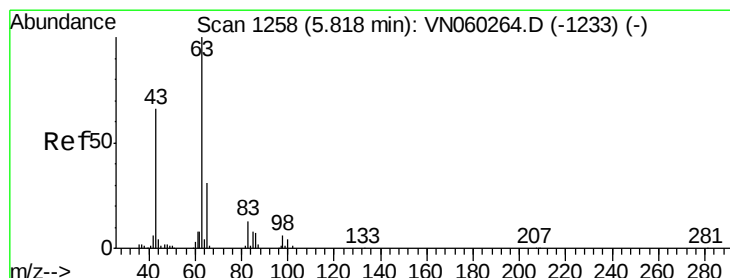
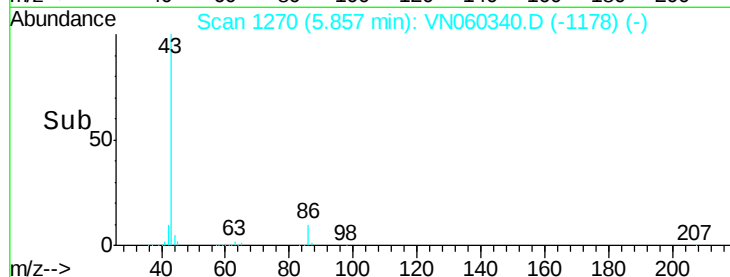
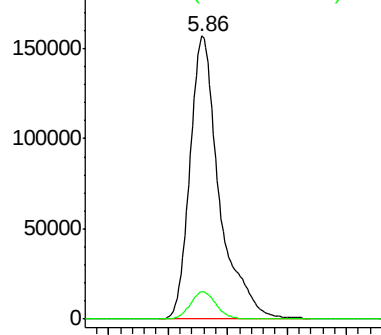
43 100

86 9.8 8.0 12.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 18.163 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VN060340.D

Acq: 4 Mar 2020 11:25

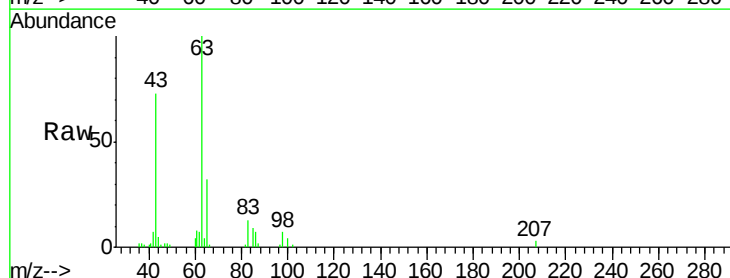
Tgt Ion: 63 Resp: 76541

Ion Ratio Lower Upper

63 100

98 6.7 3.0 9.0

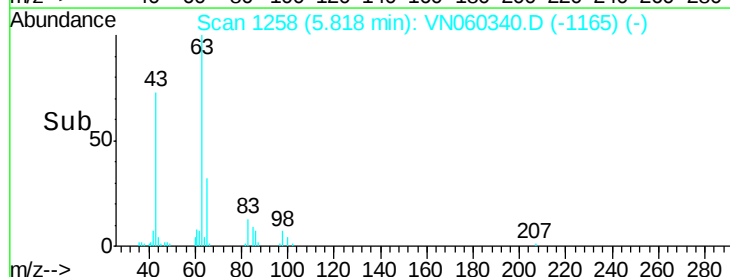
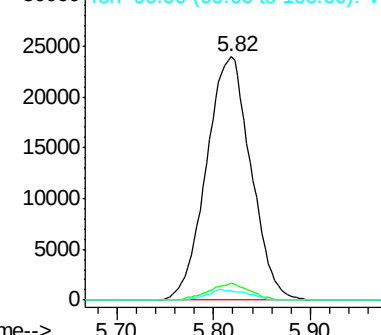
100 3.8 2.0 6.0

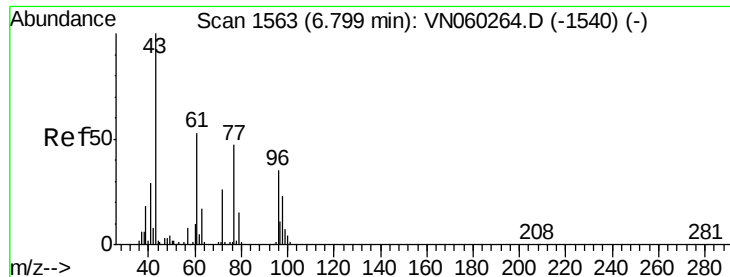


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 91.415 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060340.D

Acq: 4 Mar 2020 11:25

Instrument :

MSVOA_N

ClientSampleId :

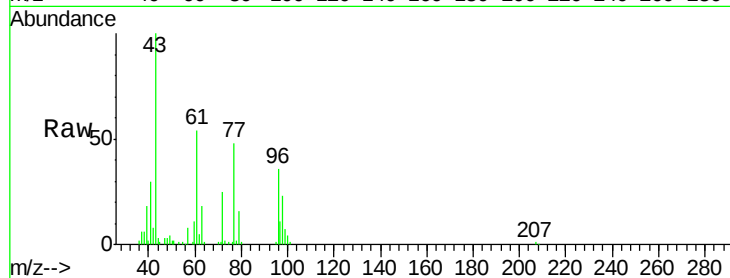
VN0304WBS01

Tgt Ion: 43 Resp: 126932

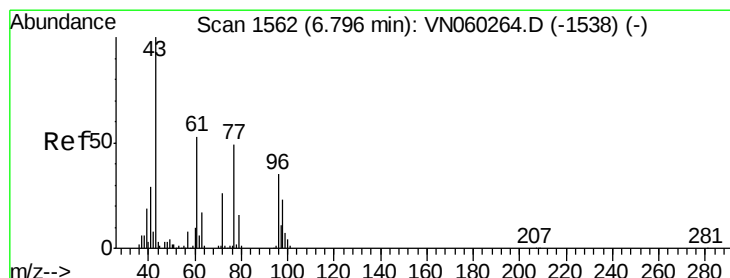
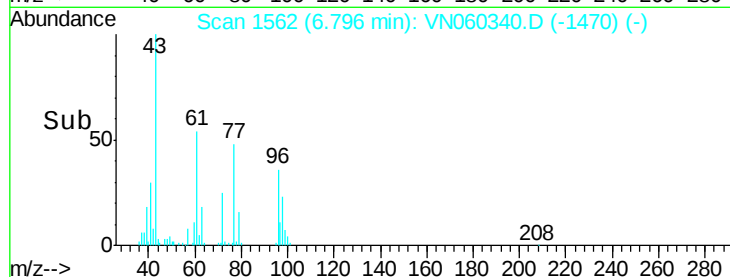
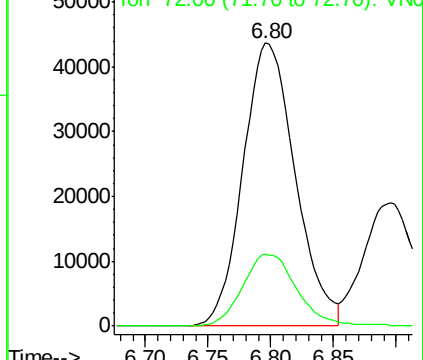
Ion Ratio Lower Upper

43 100

72 25.4 20.9 31.3



Abundance Ion 43.00 (42.70 to 43.70): VN060340.D (-1470) (-)



#26

2,2-Dichloropropane

Concen: 17.608 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN060340.D

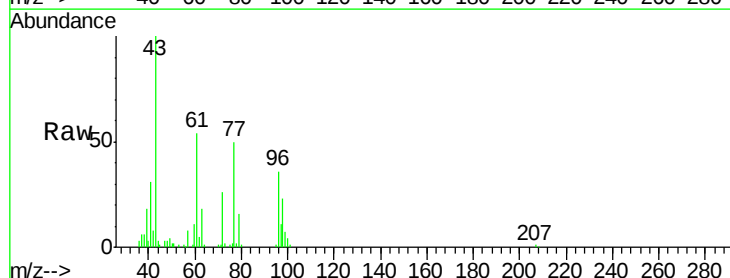
Acq: 4 Mar 2020 11:25

Tgt Ion: 77 Resp: 67553

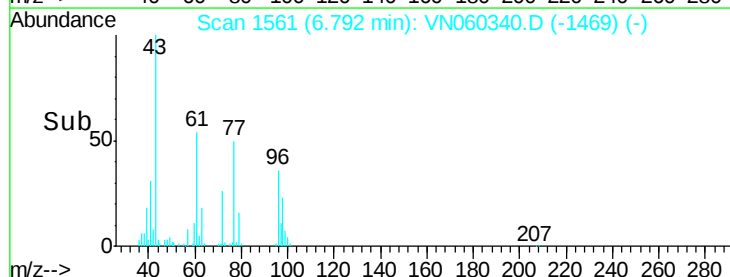
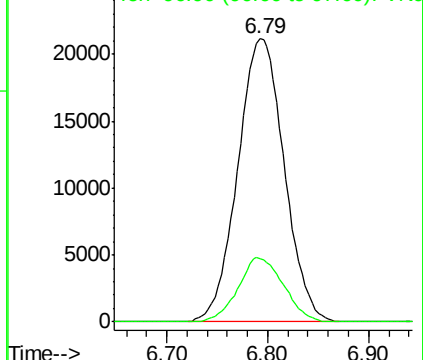
Ion Ratio Lower Upper

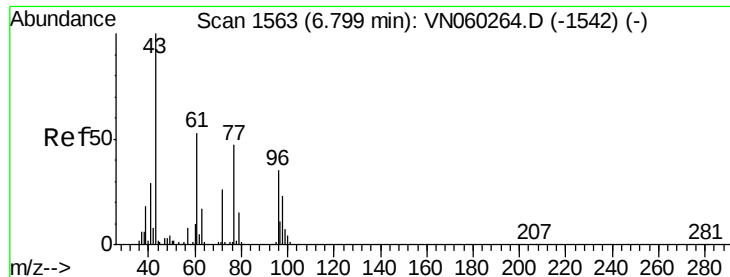
77 100

97 22.2 11.2 33.6



Abundance Ion 76.90 (76.60 to 77.60): VN060340.D (-1469) (-)





#27

cis-1,2-Dichloroethene

Concen: 16.949 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060340.D

Acq: 4 Mar 2020 11:25

Instrument :

MSVOA_N

ClientSampleId :

VN0304WBS01

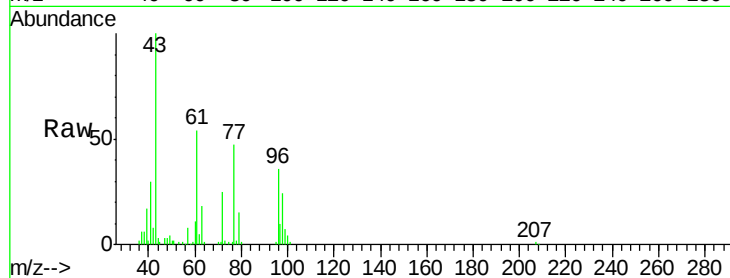
Tgt Ion: 96 Resp: 46399

Ion Ratio Lower Upper

96 100

61 148.5 0.0 300.8

98 63.3 0.0 128.2

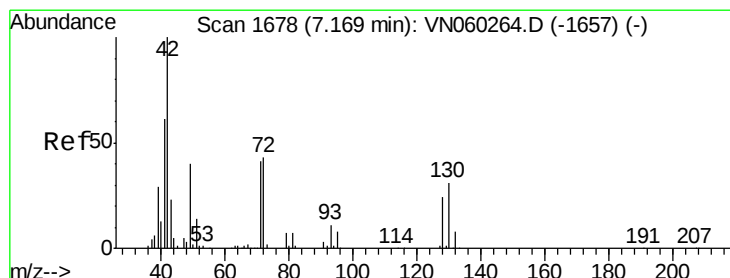
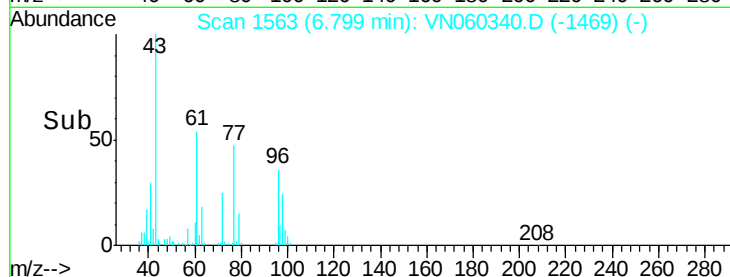


Abundance Ion 95.90 (95.60 to 96.60): VN060340.D (-1469) (-)

Ion 60.90 (60.60 to 61.60): VN060340.D (-1469) (-)

Ion 97.90 (97.60 to 98.60): VN060340.D (-1469) (-)

Time-->



#28

Bromochloromethane

Concen: 18.251 ug/l

RT: 7.17 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VN060340.D

Acq: 4 Mar 2020 11:25

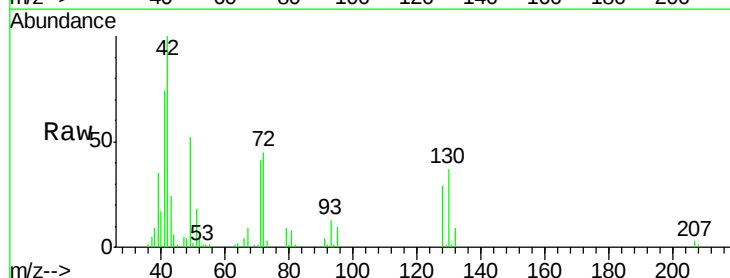
Tgt Ion: 49 Resp: 31578

Ion Ratio Lower Upper

49 100

129 0.7 0.0 3.8

130 74.7 59.8 89.8

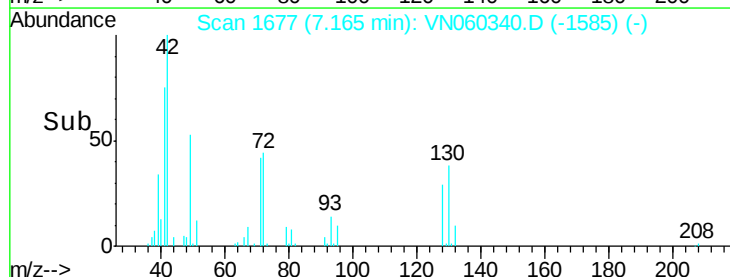


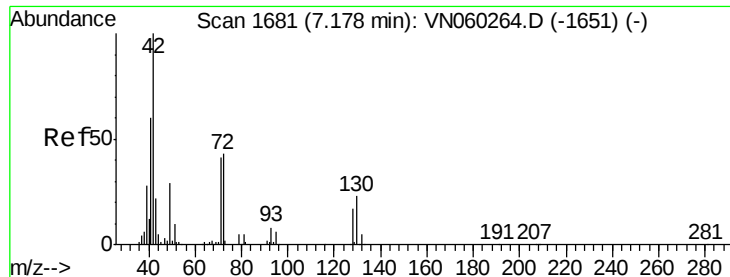
Abundance Ion 48.90 (48.60 to 49.60): VN060340.D (-1585) (-)

Ion 128.80 (128.50 to 129.50): VN060340.D (-1585) (-)

Ion 129.80 (129.50 to 130.50): VN060340.D (-1585) (-)

Time-->

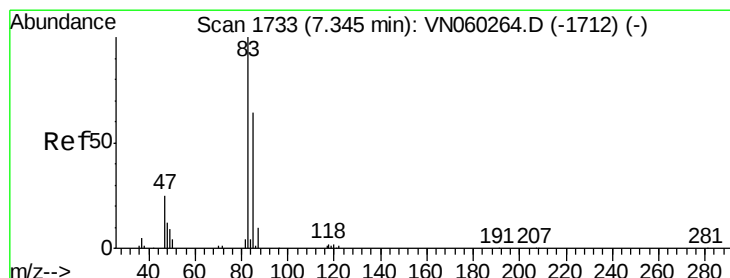
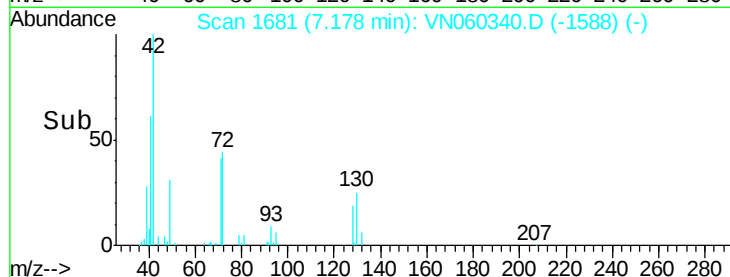
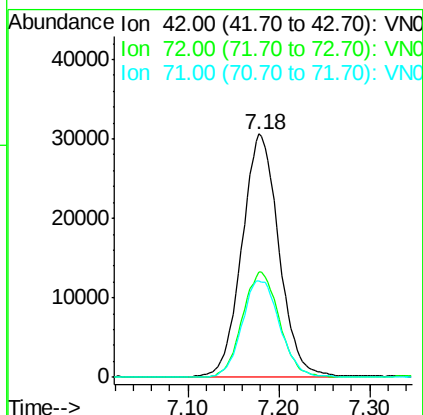
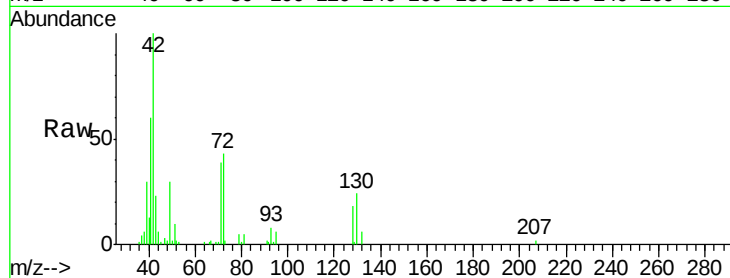




#29
Tetrahydrofuran
Concen: 89.771 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN060340.D
Acq: 4 Mar 2020 11:25

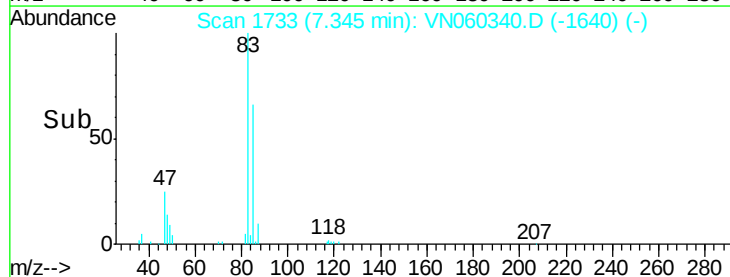
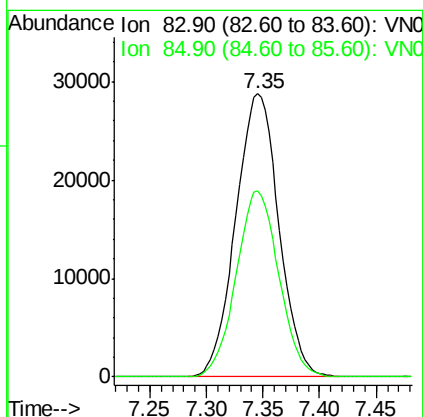
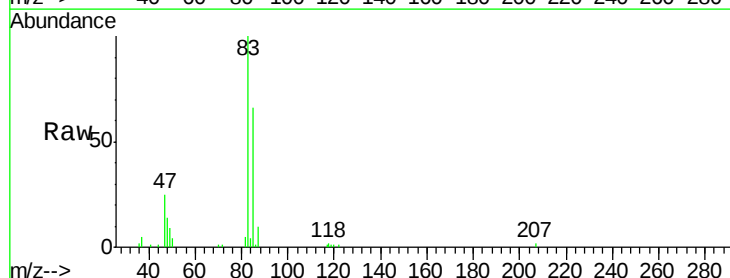
Instrument :
MSVOA_N
ClientSampleId :
VN0304WBS01

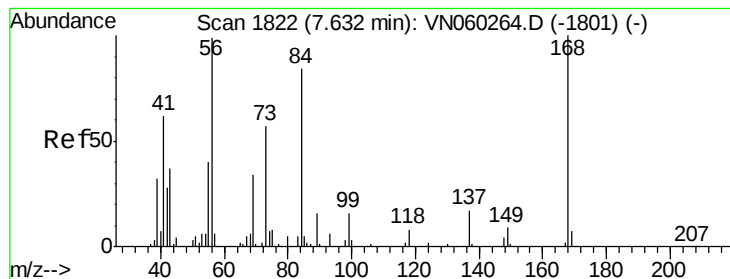
Tgt Ion: 42 Resp: 86679
Ion Ratio Lower Upper
42 100
72 43.1 34.6 52.0
71 40.5 32.9 49.3



#30
Chloroform
Concen: 18.201 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN060340.D
Acq: 4 Mar 2020 11:25

Tgt Ion: 83 Resp: 76355
Ion Ratio Lower Upper
83 100
85 65.6 51.4 77.2





#31

Cyclohexane

Concen: 17.946 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VN060340.D

Acq: 4 Mar 2020 11:25

Instrument :

MSVOA_N

ClientSampleId :

VN0304WBS01

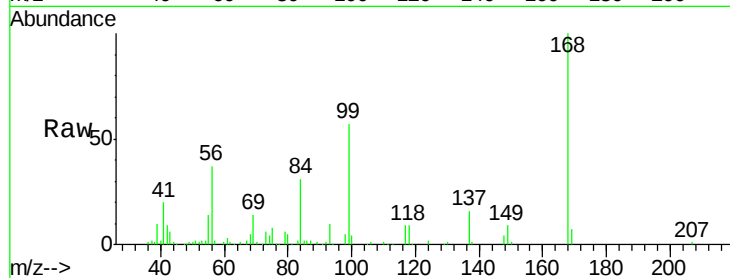
Tgt Ion: 56 Resp: 67629

Ion Ratio Lower Upper

56 100

69 38.3 27.2 40.8

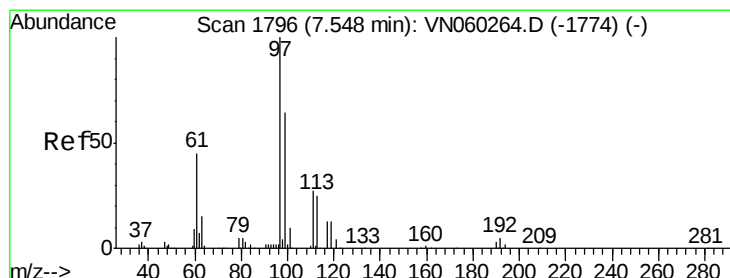
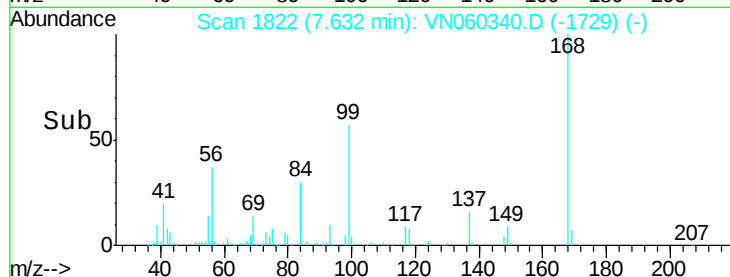
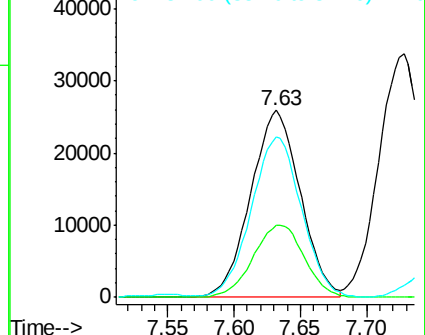
84 84.6 66.7 100.1



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 18.207 ug/l

RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN060340.D

Acq: 4 Mar 2020 11:25

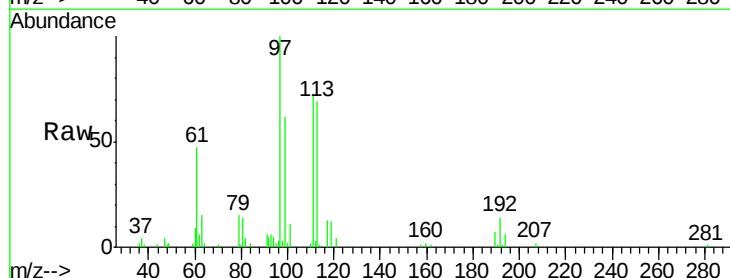
Tgt Ion: 97 Resp: 67674

Ion Ratio Lower Upper

97 100

99 63.6 51.4 77.0

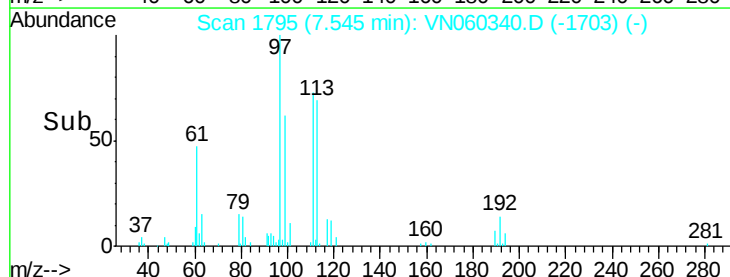
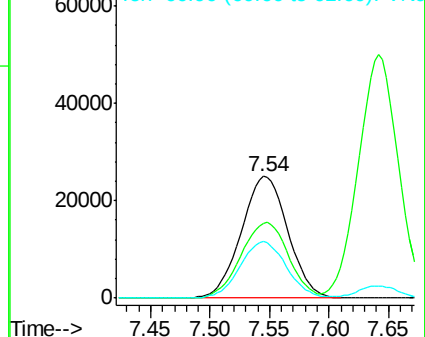
61 46.6 36.6 55.0

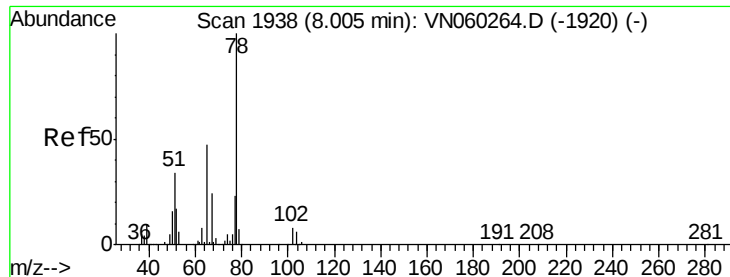


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

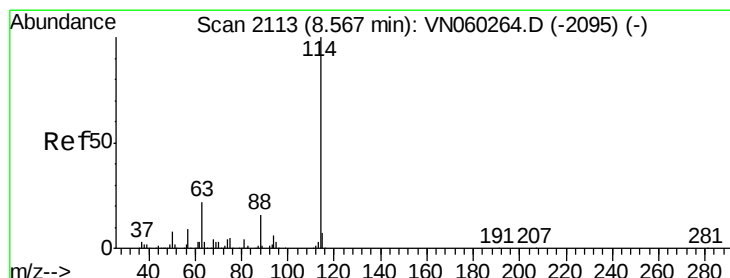
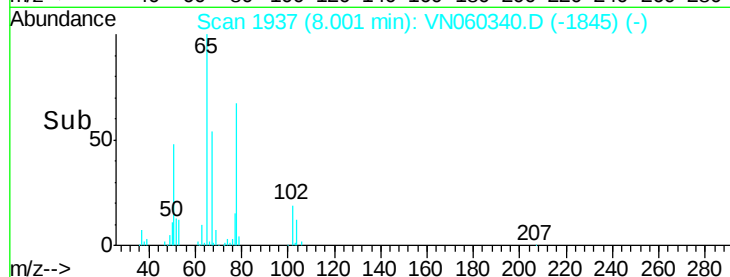
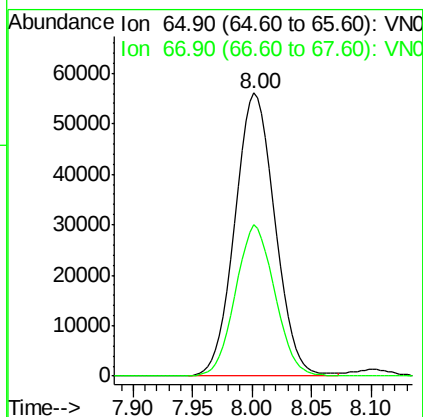
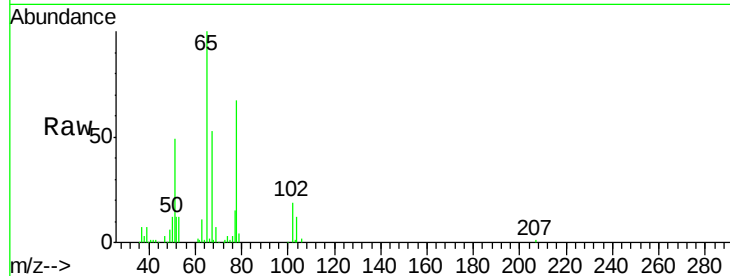




#33
 1,2-Dichloroethane-d4
 Concen: 49.186 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060340.D
 Acq: 4 Mar 2020 11:25

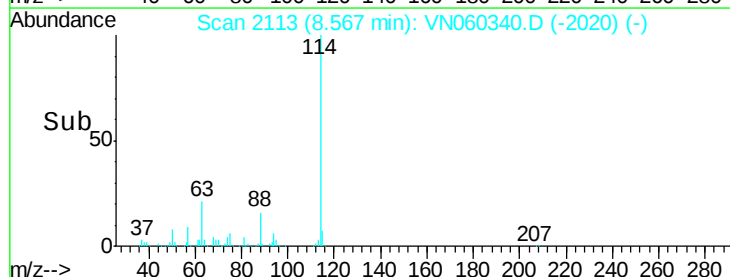
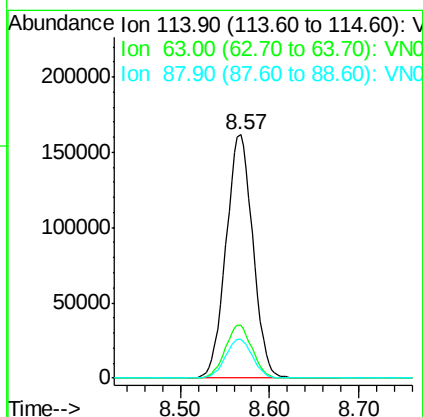
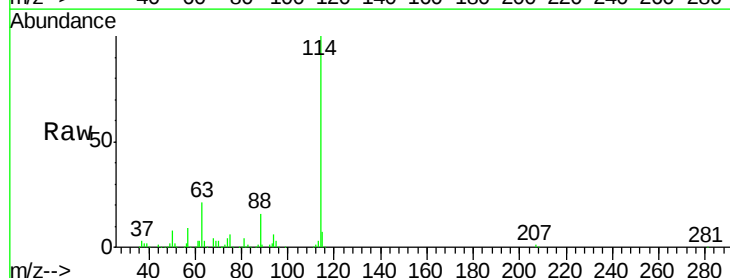
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0304WBS01

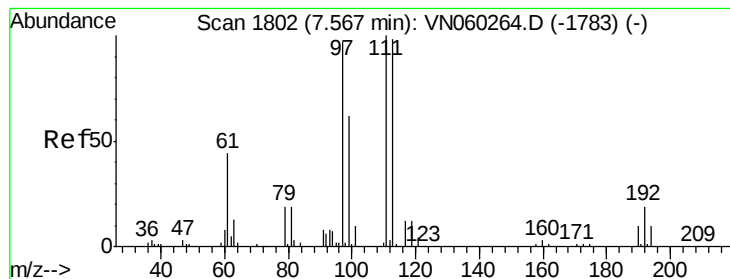
Tgt Ion: 65 Resp: 130933
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060340.D
 Acq: 4 Mar 2020 11:25

Tgt Ion: 114 Resp: 336413
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 43.2
 88 15.7 0.0 31.6





#35

Dibromofluoromethane

Concen: 56.911 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN060340.D

Acq: 4 Mar 2020 11:25

Instrument :

MSVOA_N

ClientSampleId :

VN0304WBS01

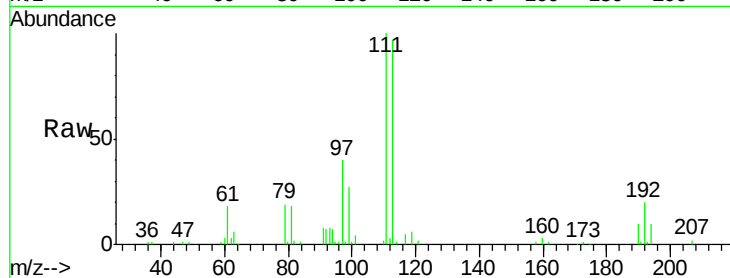
Tgt Ion:113 Resp: 88867

Ion Ratio Lower Upper

113 100

111 102.4 82.4 123.6

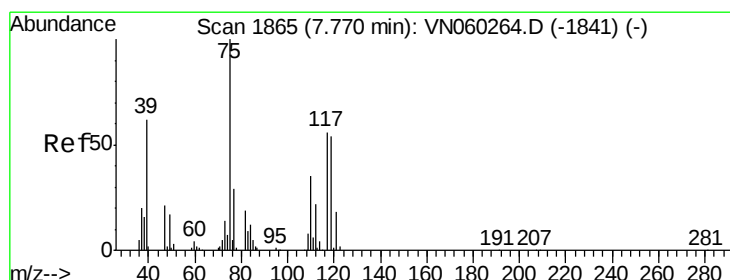
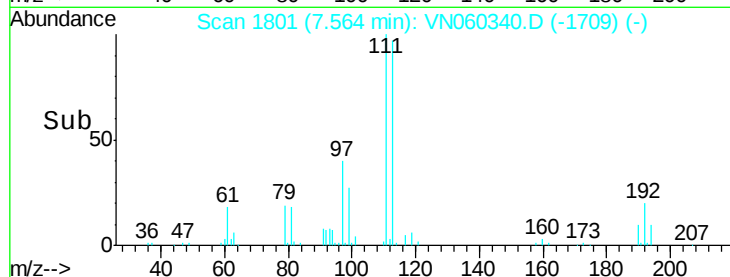
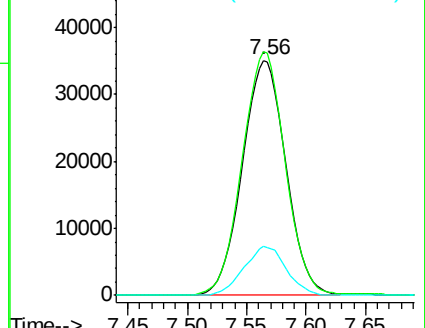
192 20.2 16.2 24.2



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: 17.566 ug/l

RT: 7.77 min Scan# 1865

Delta R.T. 0.00 min

Lab File: VN060340.D

Acq: 4 Mar 2020 11:25

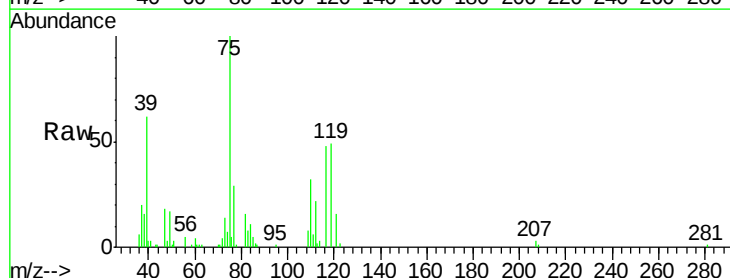
Tgt Ion: 75 Resp: 56320

Ion Ratio Lower Upper

75 100

110 33.1 17.3 52.0

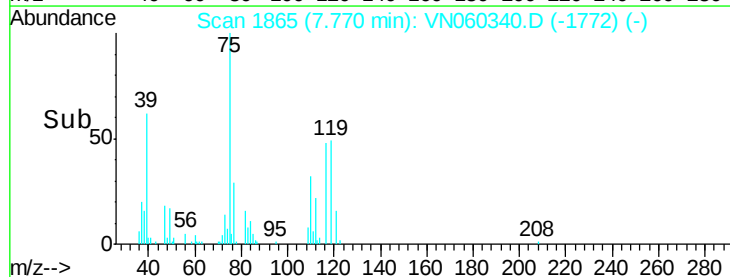
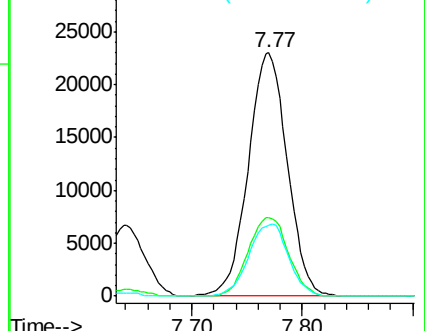
77 30.1 24.2 36.2

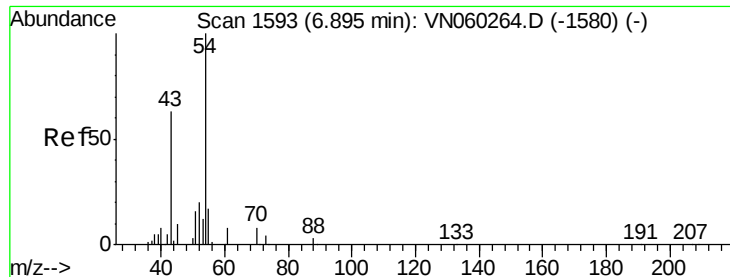


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

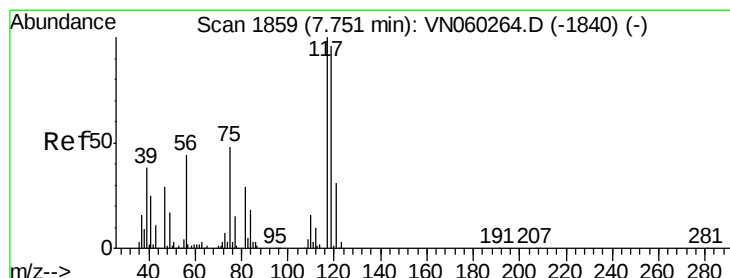
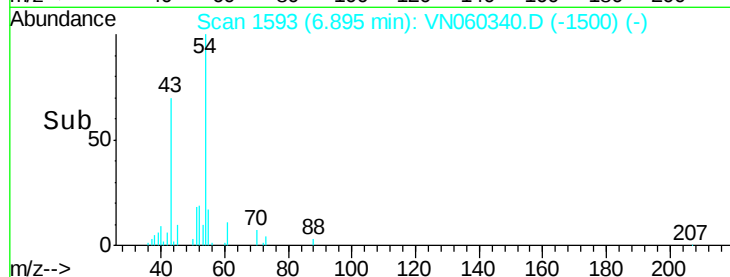
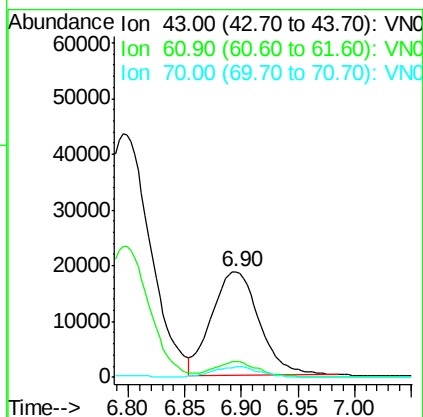
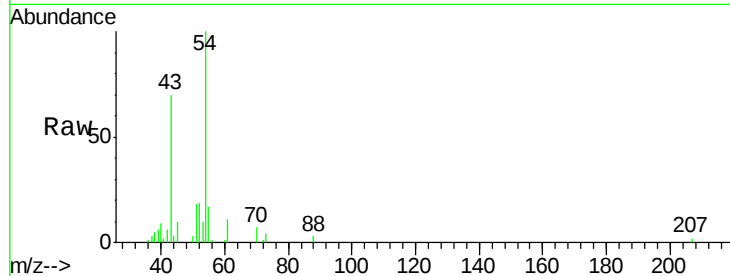




#37
Ethyl Acetate
Concen: 18.200 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. 0.00 min
Lab File: VN060340.D
Acq: 4 Mar 2020 11:25

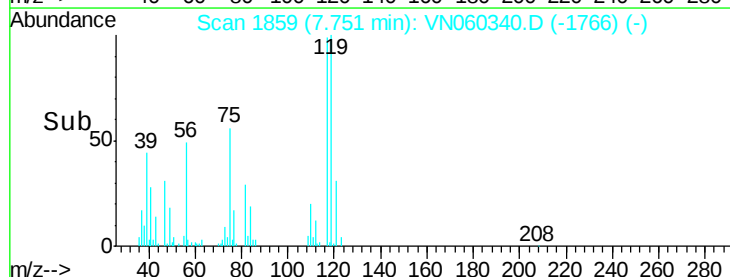
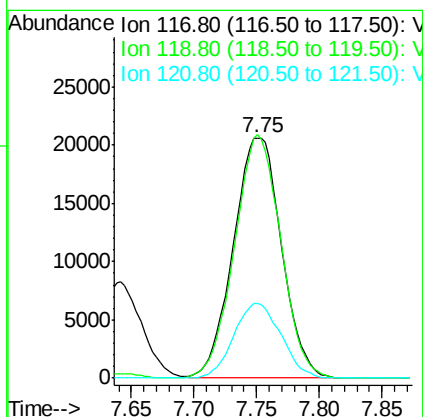
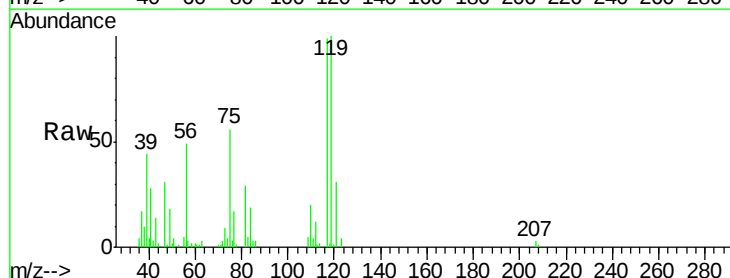
Instrument :
MSVOA_N
ClientSampled :
VN0304WBS01

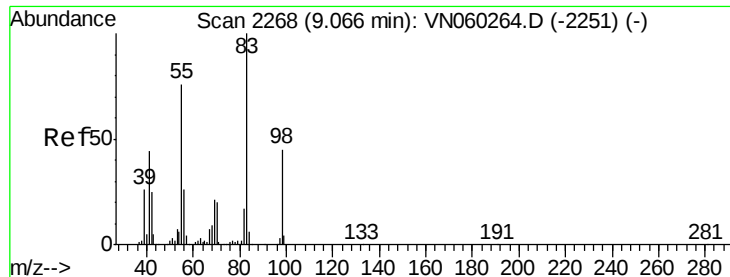
Tgt Ion: 43 Resp: 55254
Ion Ratio Lower Upper
43 100
61 13.8 11.1 16.7
70 9.7 8.4 12.6



#38
Carbon Tetrachloride
Concen: 17.642 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN060340.D
Acq: 4 Mar 2020 11:25

Tgt Ion: 117 Resp: 55070
Ion Ratio Lower Upper
117 100
119 101.3 76.7 115.1
121 31.1 24.5 36.7

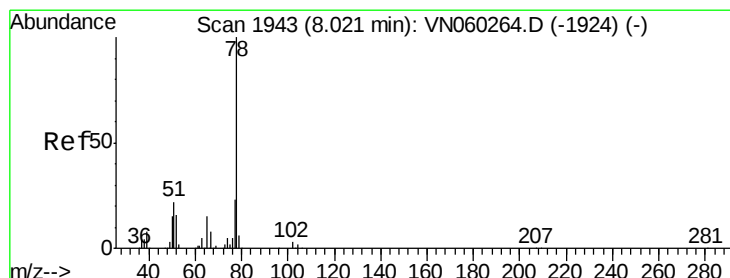
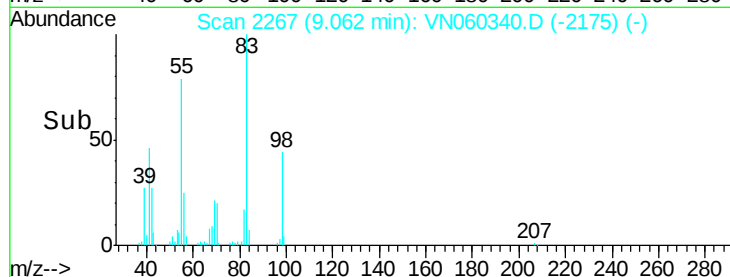
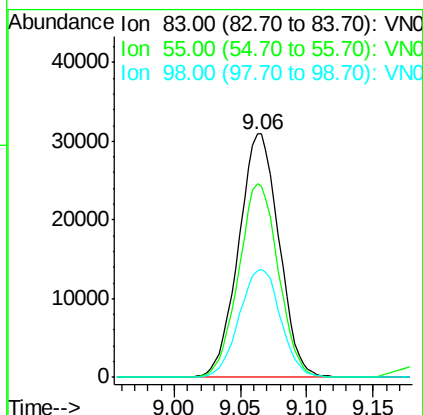
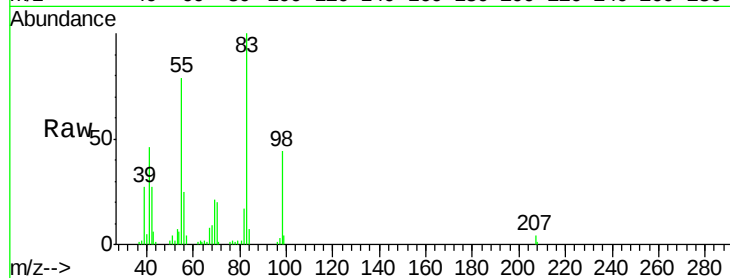




#39
Methylcyclohexane
Concen: 17.353 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060340.D
Acq: 4 Mar 2020 11:25

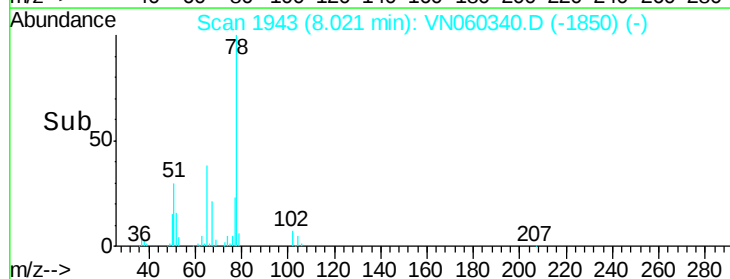
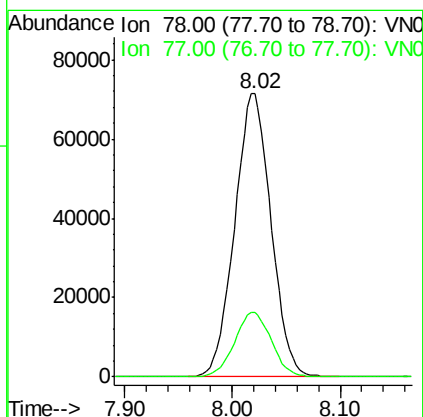
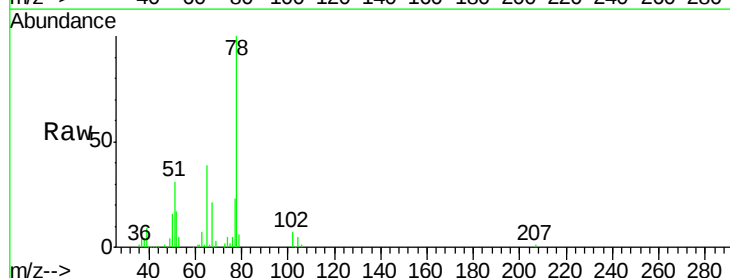
Instrument :
MSVOA_N
ClientSampleId :
VN0304WBS01

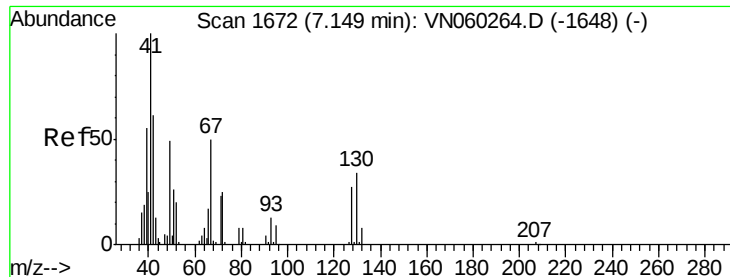
Tgt Ion: 83 Resp: 65598
Ion Ratio Lower Upper
83 100
55 79.5 61.0 91.4
98 43.8 36.1 54.1



#40
Benzene
Concen: 17.900 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN060340.D
Acq: 4 Mar 2020 11:25

Tgt Ion: 78 Resp: 167039
Ion Ratio Lower Upper
78 100
77 22.8 18.8 28.2

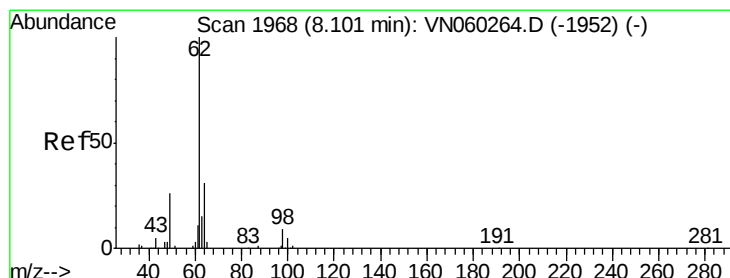
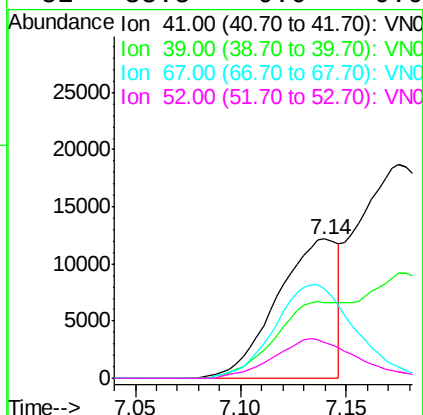
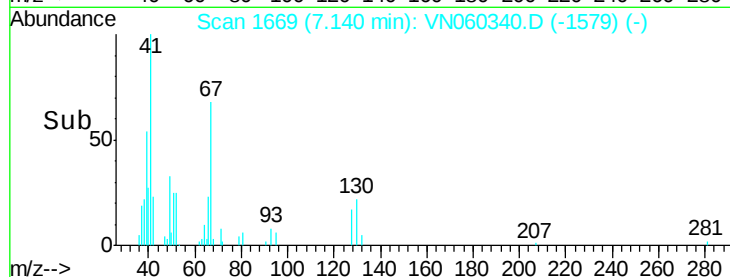
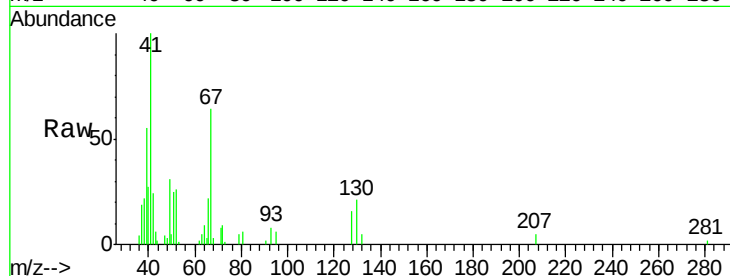




#41
Methacrylonitrile
Concen: 17.451 ug/l
RT: 7.14 min Scan# 1669
Delta R.T. -0.01 min
Lab File: VN060340.D
Acq: 4 Mar 2020 11:25

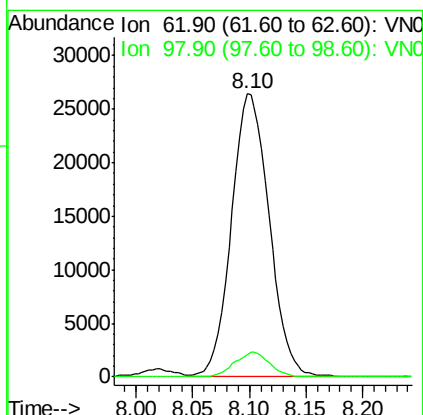
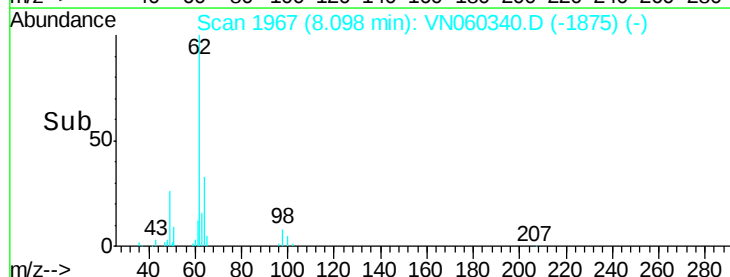
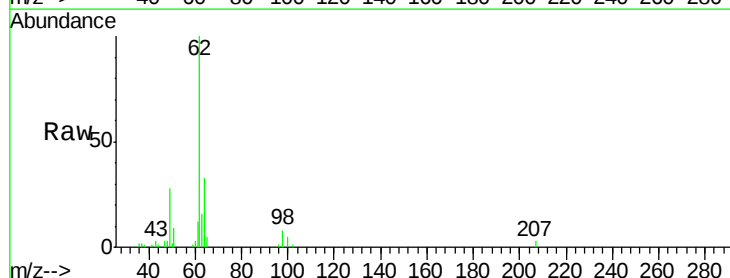
Instrument :
MSVOA_N
ClientSampleId :
VN0304WBS01

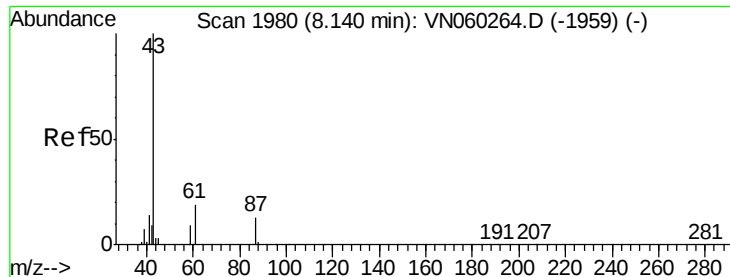
Tgt Ion:	41	Resp:	24462
Ion	Ratio	Lower	Upper
41	100		
39	66.2	0.0	0.0#
67	89.2	0.0	0.0#
52	38.5	0.0	0.0#



#42
1,2-Dichloroethane
Concen: 18.259 ug/l
RT: 8.10 min Scan# 1967
Delta R.T. -0.00 min
Lab File: VN060340.D
Acq: 4 Mar 2020 11:25

Tgt Ion:	62	Resp:	61486
Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	17.0





#43

Isopropyl Acetate

Concen: 18.559 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060340.D

Acq: 4 Mar 2020 11:25

Instrument :

MSVOA_N

ClientSampleId :

VN0304WBS01

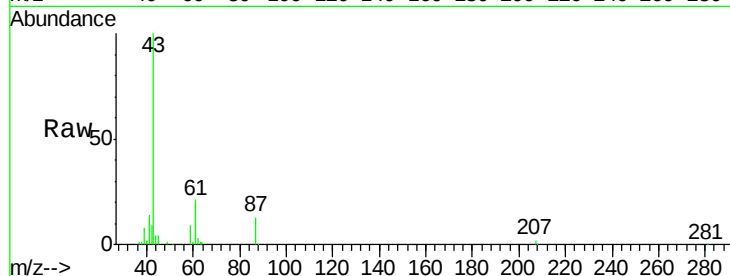
Tgt Ion: 43 Resp: 98636

Ion Ratio Lower Upper

43 100

61 26.4 20.9 31.3

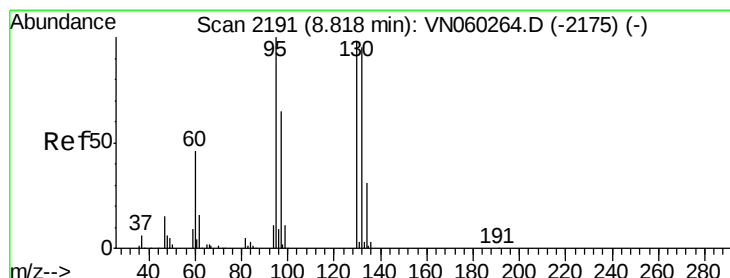
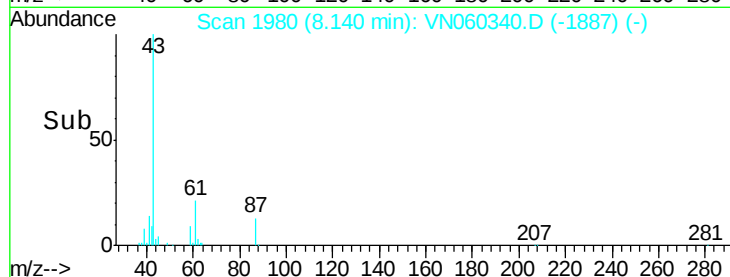
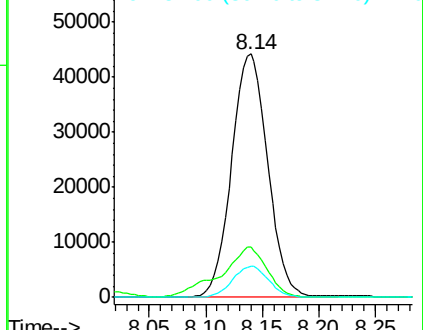
87 12.6 10.6 16.0



Abundance Ion 43.00 (42.70 to 43.70): VN060340.D (-1959) (-)

Ion 61.00 (60.70 to 61.70): VN060340.D (-1959) (-)

Ion 87.00 (86.70 to 87.70): VN060340.D (-1959) (-)



#44

Trichloroethene

Concen: 18.013 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. 0.00 min

Lab File: VN060340.D

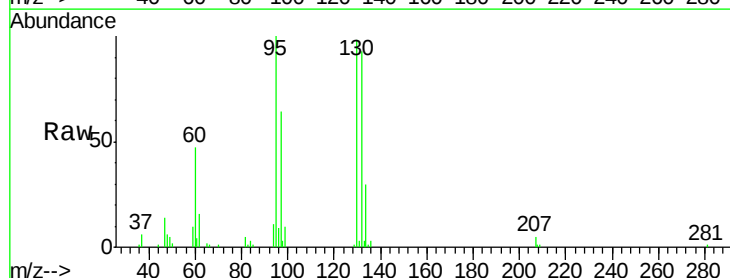
Acq: 4 Mar 2020 11:25

Tgt Ion: 130 Resp: 46816

Ion Ratio Lower Upper

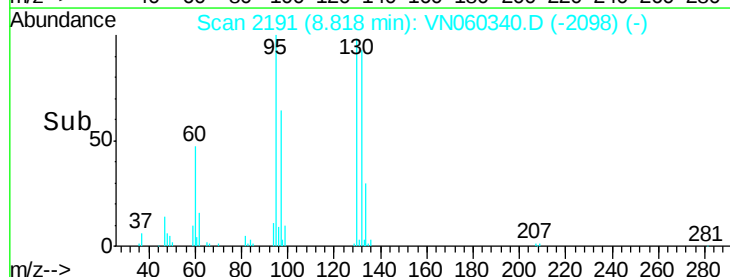
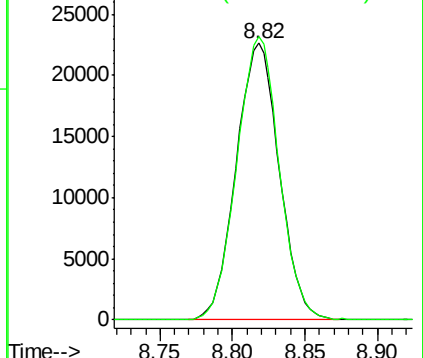
130 100

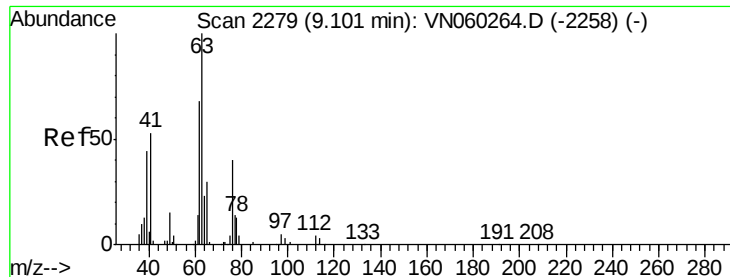
95 102.3 0.0 203.4



Abundance Ion 129.80 (129.50 to 130.50): VN060340.D (-2175) (-)

Ion 94.90 (94.60 to 95.60): VN060340.D (-2175) (-)





#45

1,2-Dichloropropane

Concen: 18.868 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. 0.00 min

Lab File: VN060340.D

Acq: 4 Mar 2020 11:25

Instrument :

MSVOA_N

ClientSampleId :

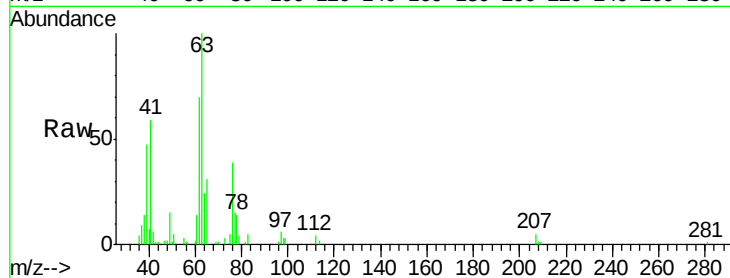
VN0304WBS01

Tgt Ion: 63 Resp: 46035

Ion Ratio Lower Upper

63 100

65 30.8 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.10

25000

20000

15000

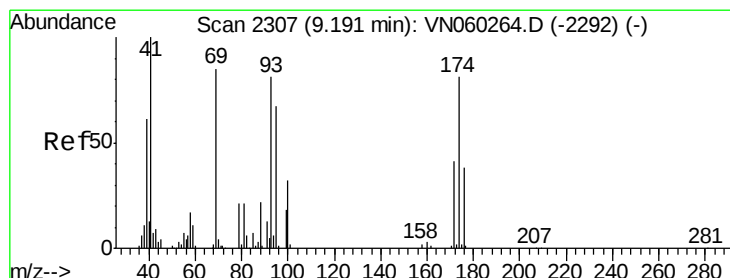
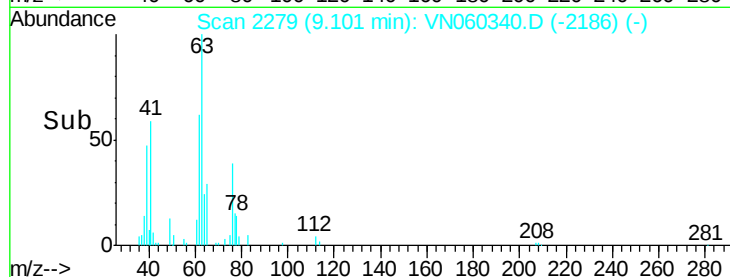
10000

5000

0

Time-->

9.00 9.05 9.10 9.15



#46

Dibromomethane

Concen: 18.212 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN060340.D

Acq: 4 Mar 2020 11:25

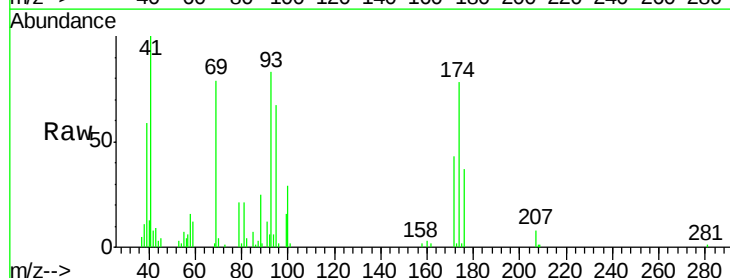
Tgt Ion: 93 Resp: 28832

Ion Ratio Lower Upper

93 100

95 81.9 65.9 98.9

174 95.9 79.6 119.4



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

20000

15000

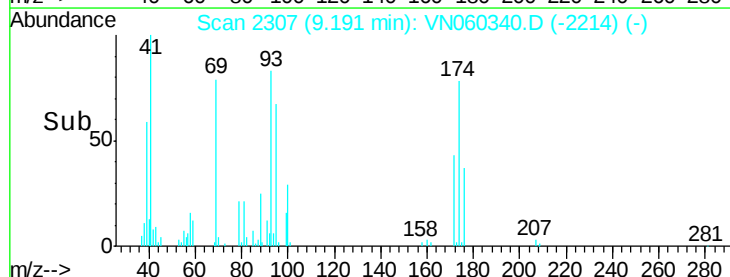
10000

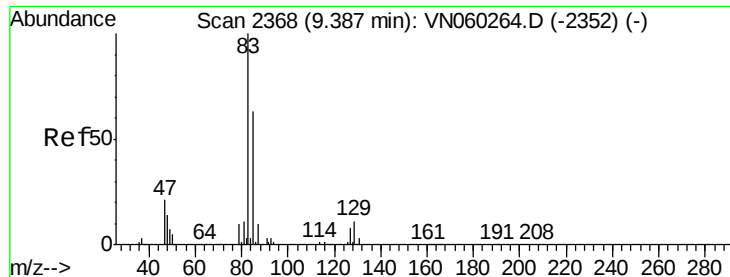
5000

0

Time-->

9.10 9.15 9.20 9.25





#47

Bromodichloromethane

Concen: 18.482 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN060340.D

Acq: 4 Mar 2020 11:25

Instrument :

MSVOA_N

ClientSampleId :

VN0304WBS01

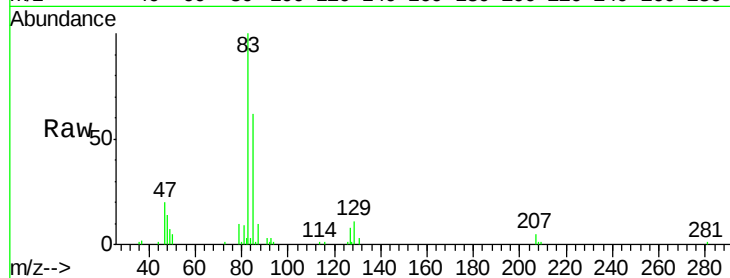
Tgt Ion: 83 Resp: 59507

Ion Ratio Lower Upper

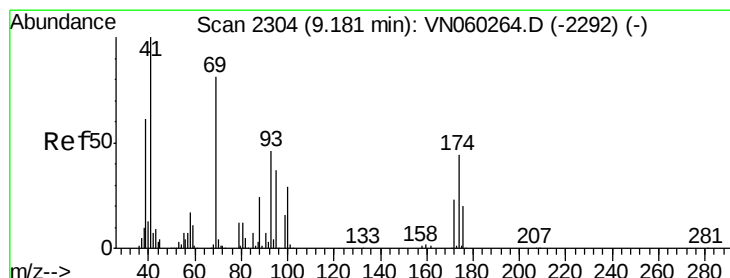
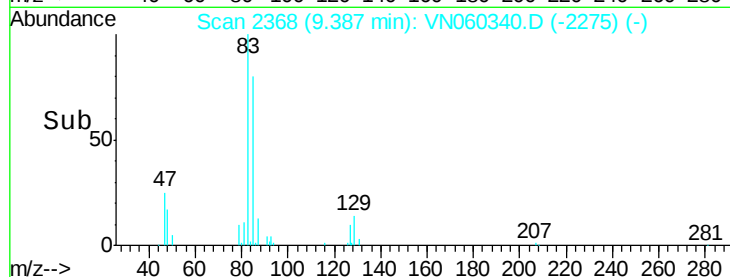
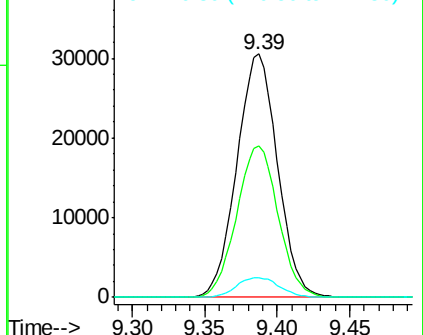
83 100

85 62.0 50.7 76.1

127 7.9 6.8 10.2



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



#48

Methyl methacrylate

Concen: 17.614 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. 0.00 min

Lab File: VN060340.D

Acq: 4 Mar 2020 11:25

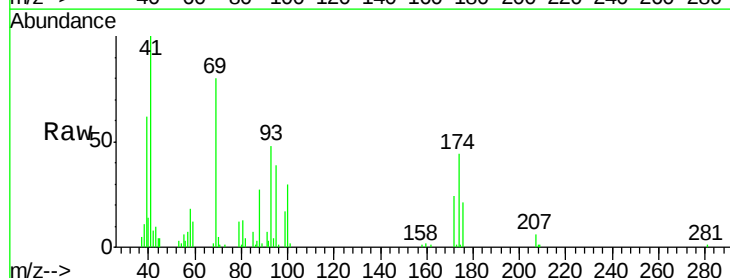
Tgt Ion: 41 Resp: 42690

Ion Ratio Lower Upper

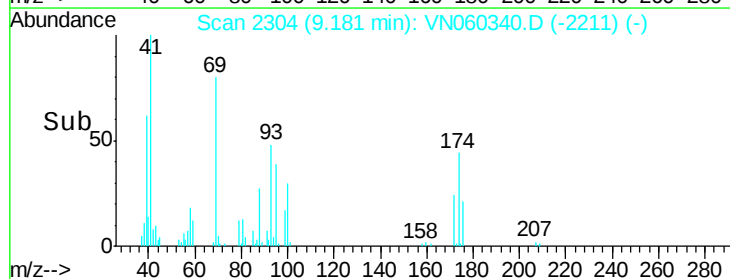
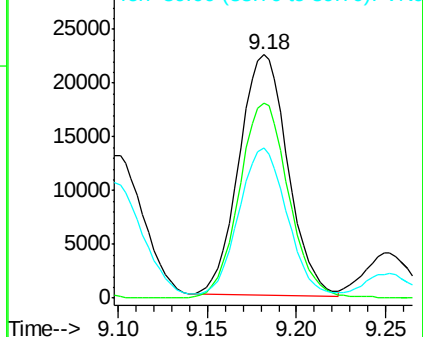
41 100

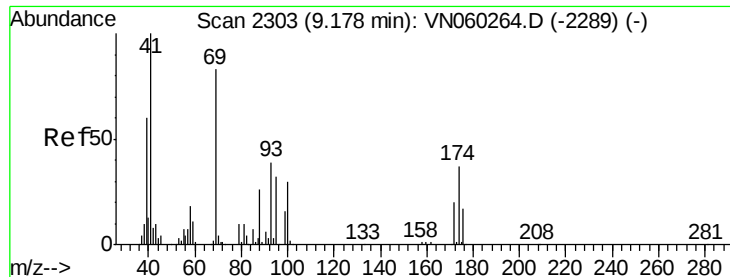
69 82.1 66.7 100.1

39 63.2 50.1 75.1



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

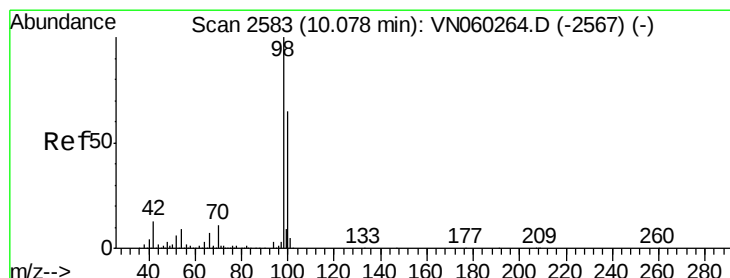
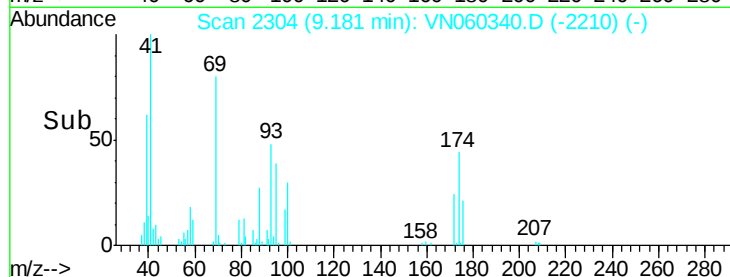
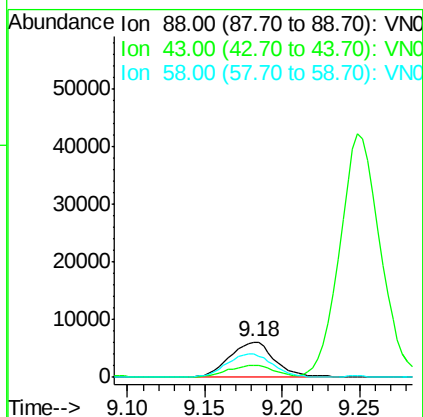
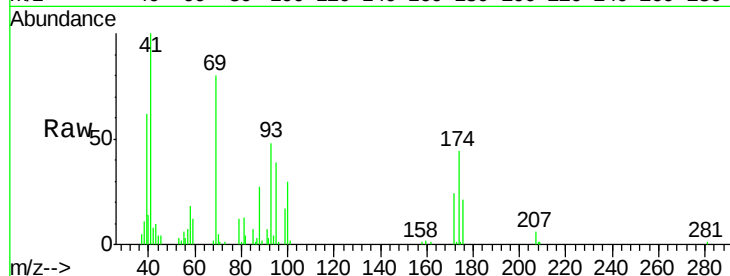




#49
 1,4-Dioxane
 Concen: 361.887 ug/l
 RT: 9.18 min Scan# 2304
 Delta R.T. 0.00 min
 Lab File: VN060340.D
 Acq: 4 Mar 2020 11:25

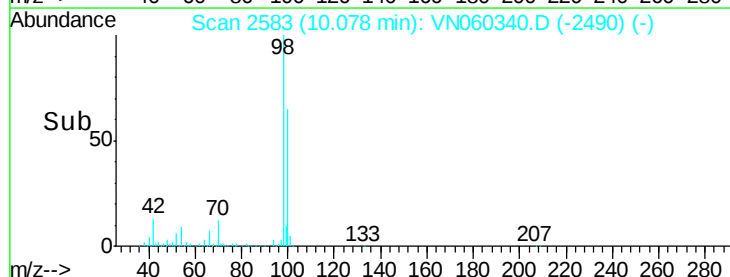
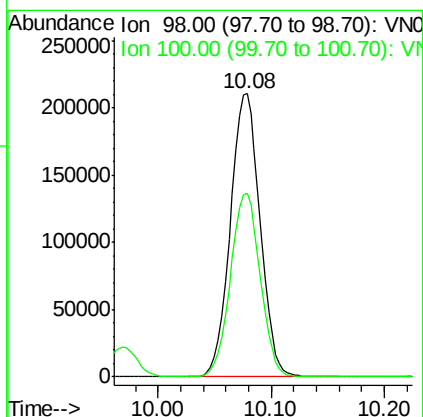
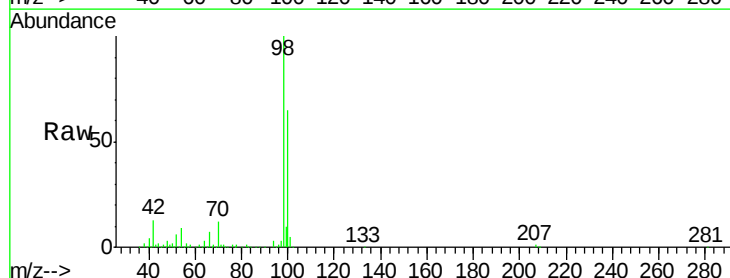
Instrument :
 MSVOA_N
 ClientSampled :
 VN0304WBS01

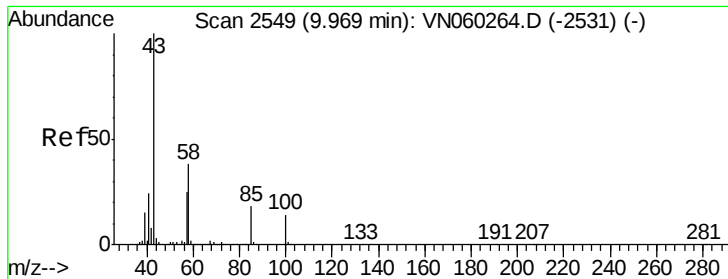
Tgt Ion: 88 Resp: 12334
 Ion Ratio Lower Upper
 88 100
 43 35.3 30.4 45.6
 58 68.2 57.0 85.6



#50
 Toluene-d8
 Concen: 48.611 ug/l
 RT: 10.08 min Scan# 2583
 Delta R.T. 0.00 min
 Lab File: VN060340.D
 Acq: 4 Mar 2020 11:25

Tgt Ion: 98 Resp: 384175
 Ion Ratio Lower Upper
 98 100
 100 65.0 52.2 78.2

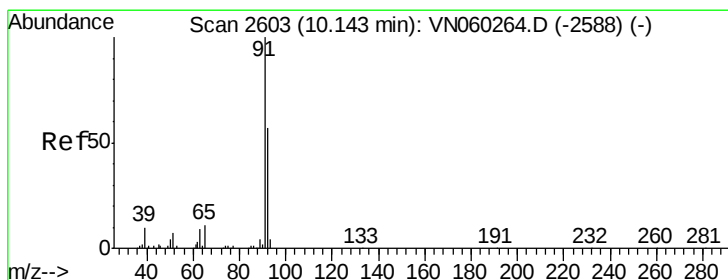
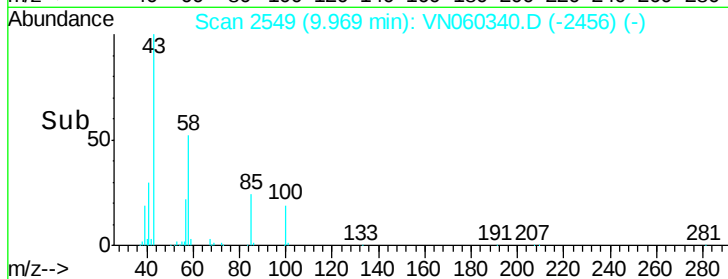
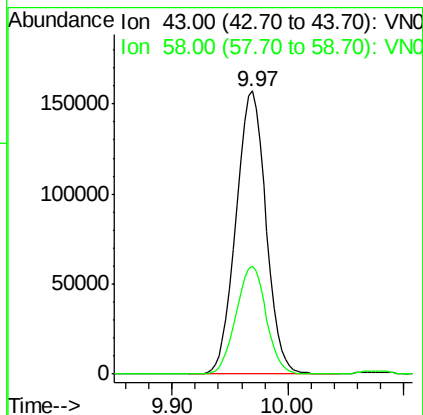
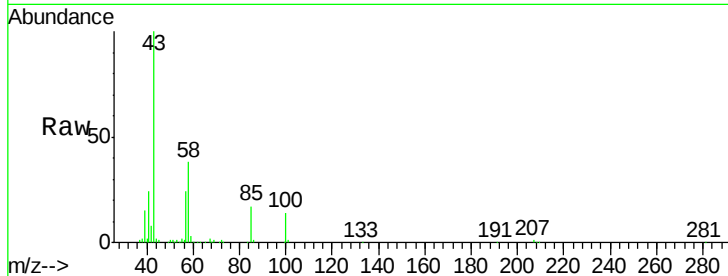




#51
 4-Methyl-2-Pentanone
 Concen: 93.380 ug/l
 RT: 9.97 min Scan# 2549
 Delta R.T. 0.00 min
 Lab File: VN060340.D
 Acq: 4 Mar 2020 11:25

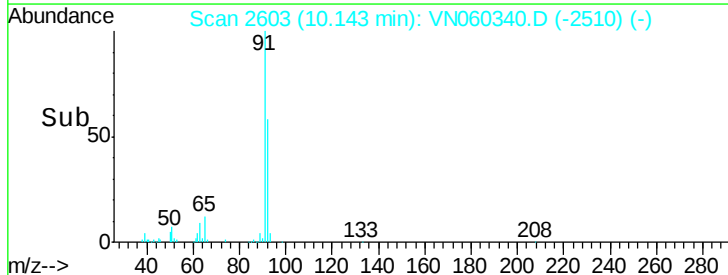
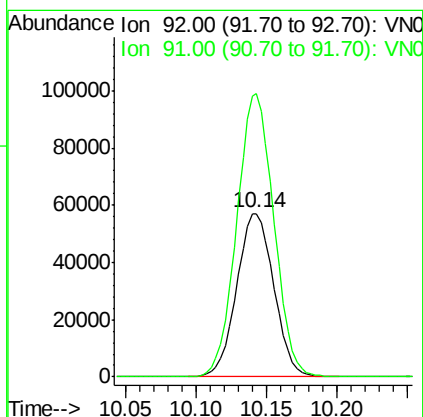
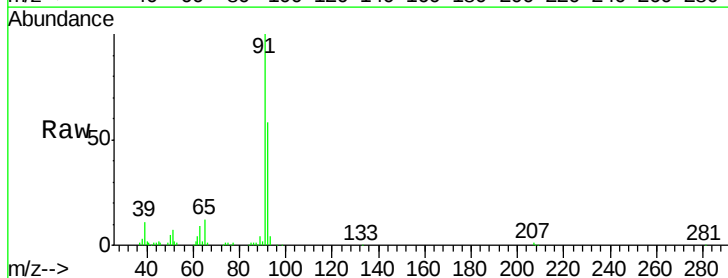
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0304WBS01

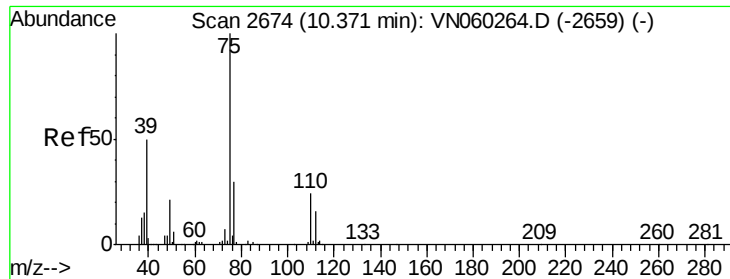
Tgt Ion: 43 Resp: 281389
 Ion Ratio Lower Upper
 43 100
 58 38.3 30.9 46.3



#52
 Toluene
 Concen: 17.950 ug/l
 RT: 10.14 min Scan# 2603
 Delta R.T. 0.00 min
 Lab File: VN060340.D
 Acq: 4 Mar 2020 11:25

Tgt Ion: 92 Resp: 105223
 Ion Ratio Lower Upper
 92 100
 91 173.0 138.1 207.1





#53

t-1,3-Dichloropropene

Concen: 17.671 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. 0.00 min

Lab File: VN060340.D

Acq: 4 Mar 2020 11:25

Instrument :

MSVOA_N

ClientSampleId :

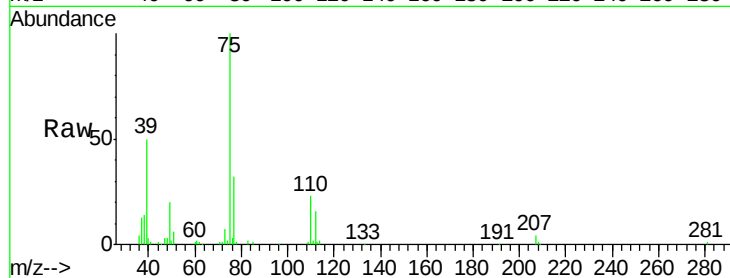
VN0304WBS01

Tgt Ion: 75 Resp: 69718

Ion Ratio Lower Upper

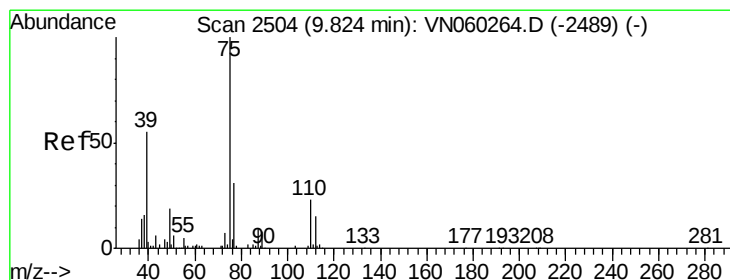
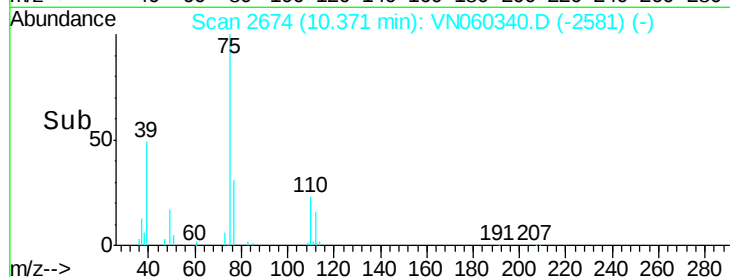
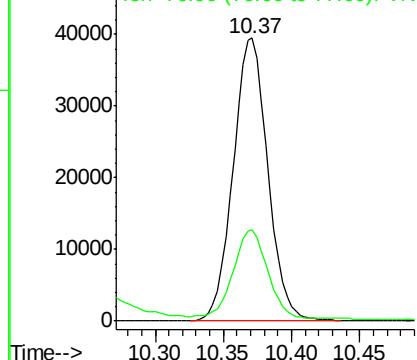
75 100

77 31.2 24.8 37.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 18.015 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN060340.D

Acq: 4 Mar 2020 11:25

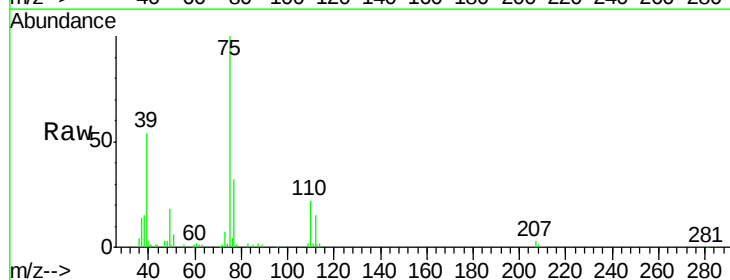
Tgt Ion: 75 Resp: 73650

Ion Ratio Lower Upper

75 100

77 32.0 24.8 37.2

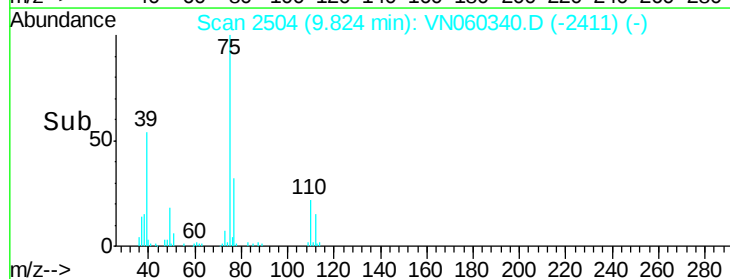
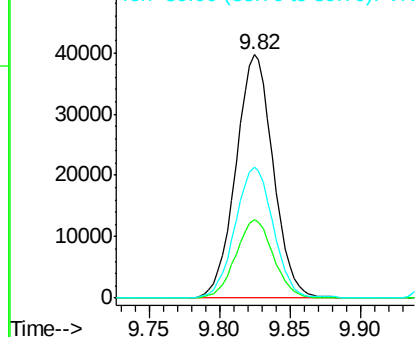
39 53.7 43.8 65.8

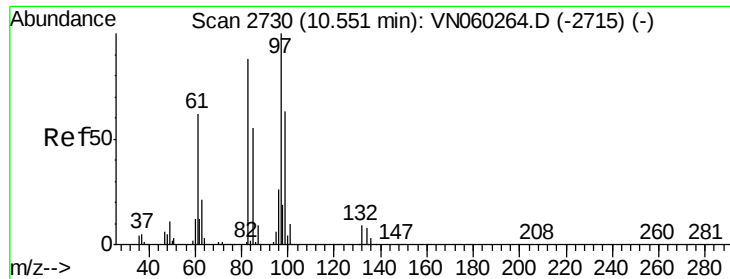


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

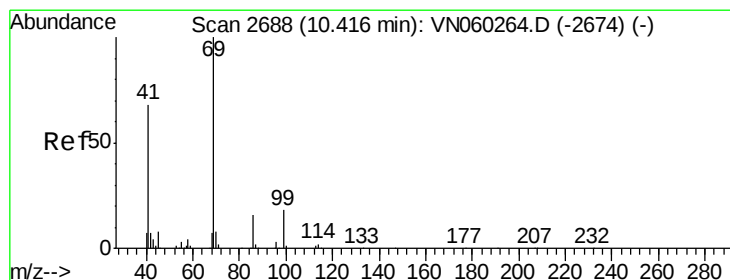
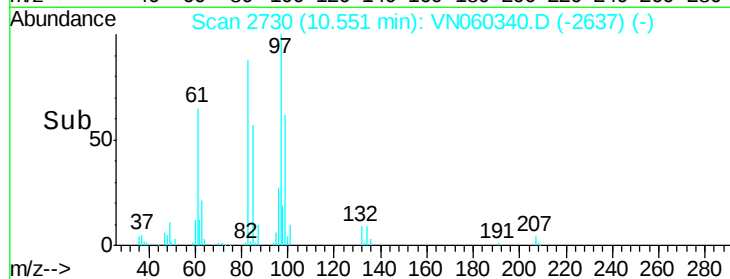
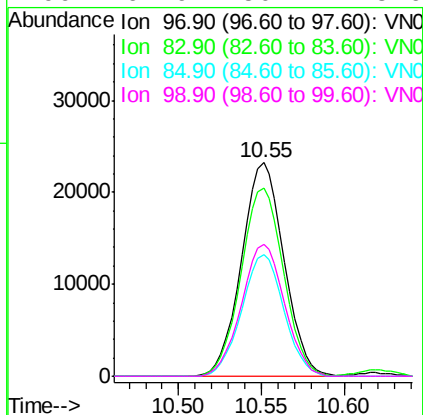
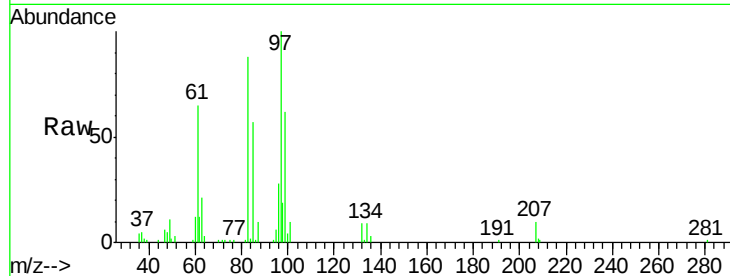




#55
 1,1,2-Trichloroethane
 Concen: 17.578 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN060340.D
 Acq: 4 Mar 2020 11:25

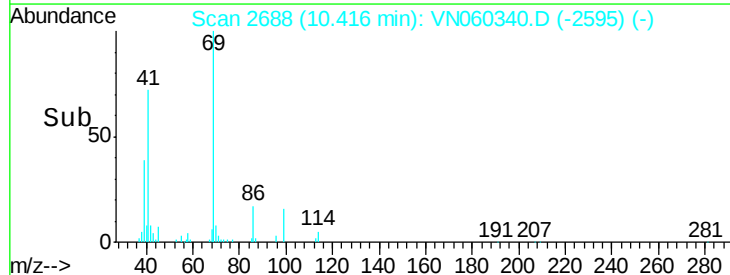
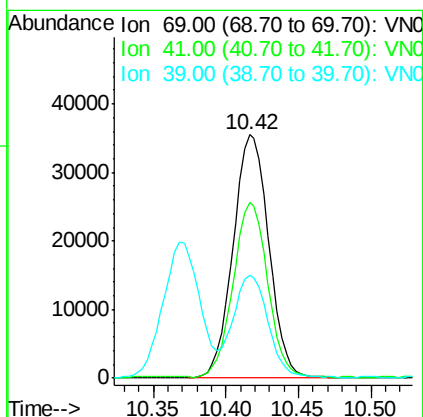
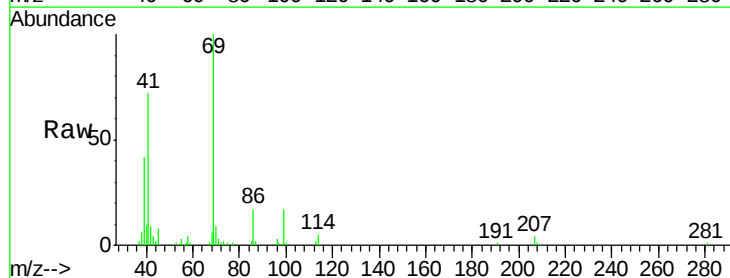
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0304WBS01

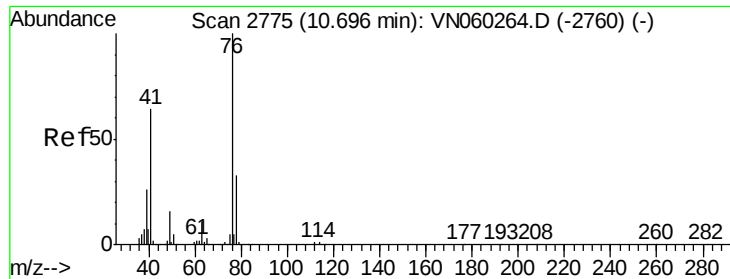
Tgt Ion: 97 Resp: 41436
 Ion Ratio Lower Upper
 97 100
 83 88.0 70.0 105.0
 85 56.9 44.0 66.0
 99 61.9 50.4 75.6



#56
 Ethyl methacrylate
 Concen: 17.914 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN060340.D
 Acq: 4 Mar 2020 11:25

Tgt Ion: 69 Resp: 60668
 Ion Ratio Lower Upper
 69 100
 41 70.6 54.1 81.1
 39 42.1 32.5 48.7





#57

1,3-Dichloropropane

Concen: 18.570 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN060340.D

Acq: 4 Mar 2020 11:25

Instrument :

MSVOA_N

ClientSampleId :

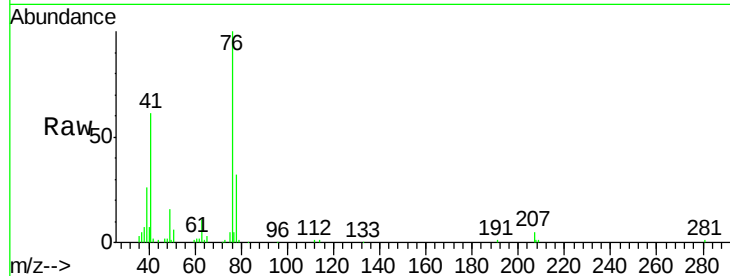
VN0304WBS01

Tgt Ion: 76 Resp: 71388

Ion Ratio Lower Upper

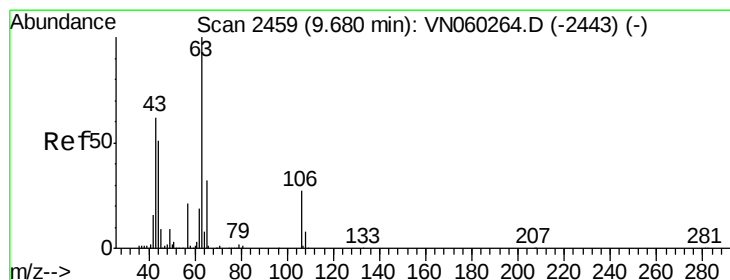
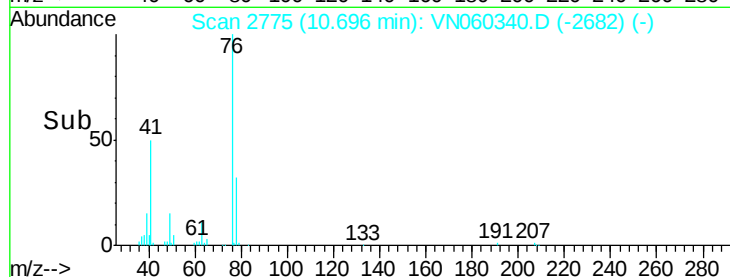
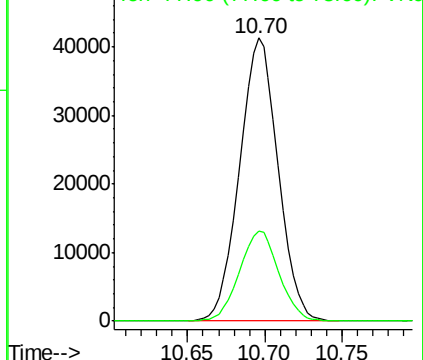
76 100

78 32.5 26.2 39.2



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 91.041 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN060340.D

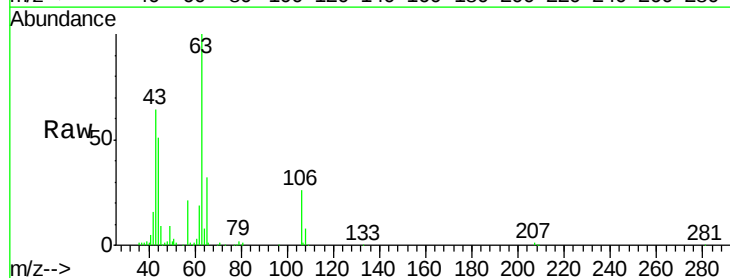
Acq: 4 Mar 2020 11:25

Tgt Ion: 63 Resp: 161256

Ion Ratio Lower Upper

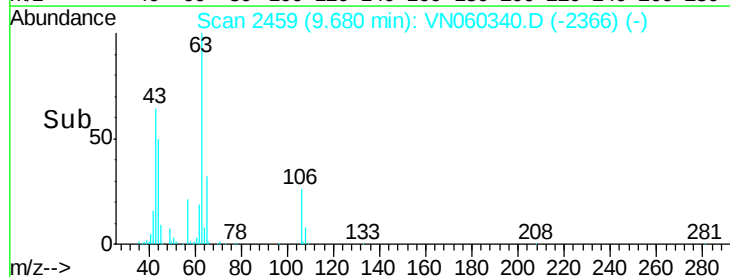
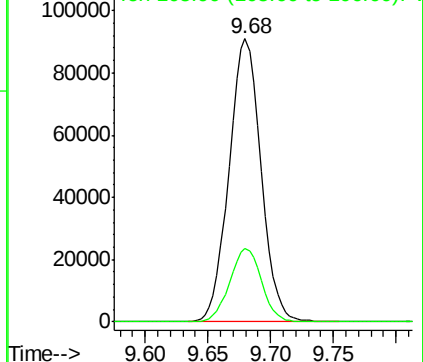
63 100

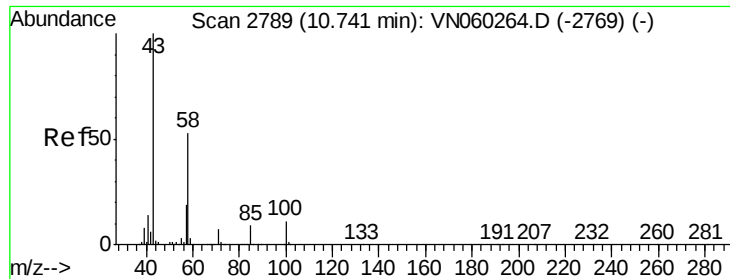
106 25.8 21.1 31.7



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

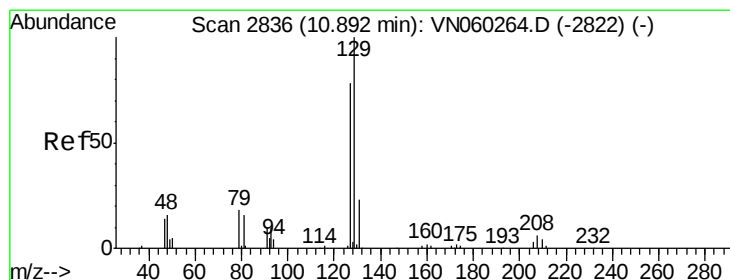
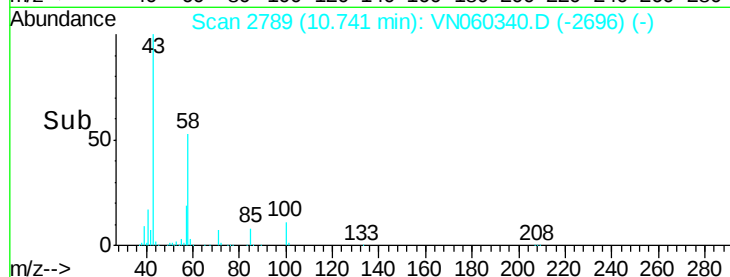
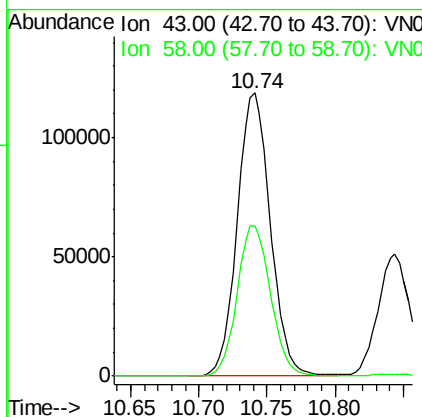
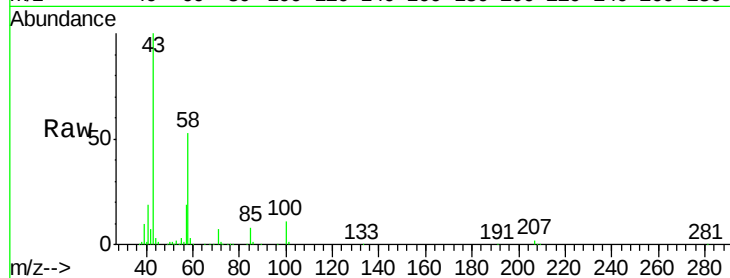




#59
2-Hexanone
Concen: 90.430 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060340.D
Acq: 4 Mar 2020 11:25

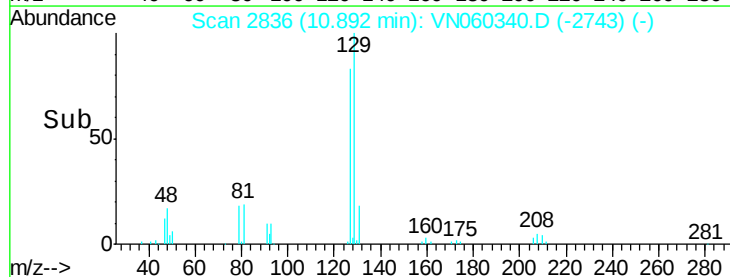
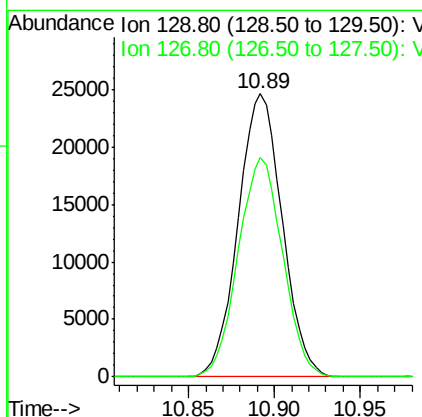
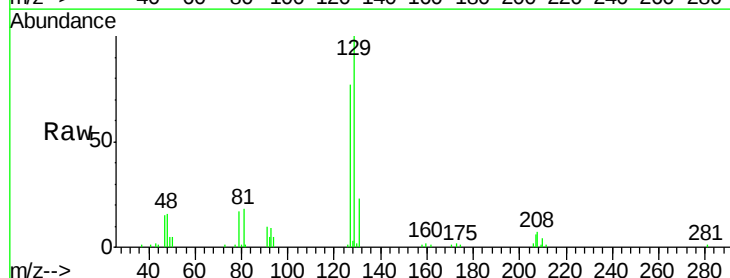
Instrument :
MSVOA_N
ClientSampled :
VN0304WBS01

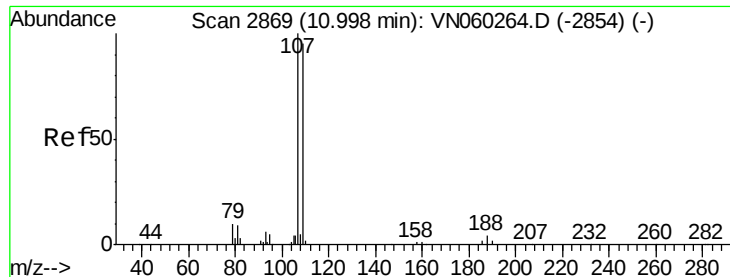
Tgt Ion: 43 Resp: 200076
Ion Ratio Lower Upper
43 100
58 53.7 26.5 79.5



#60
Dibromochloromethane
Concen: 18.271 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060340.D
Acq: 4 Mar 2020 11:25

Tgt Ion: 129 Resp: 43801
Ion Ratio Lower Upper
129 100
127 78.2 38.9 116.7

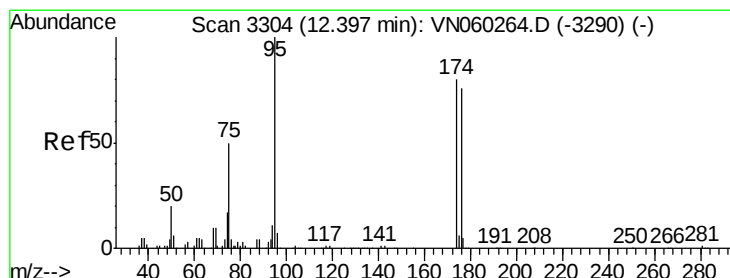
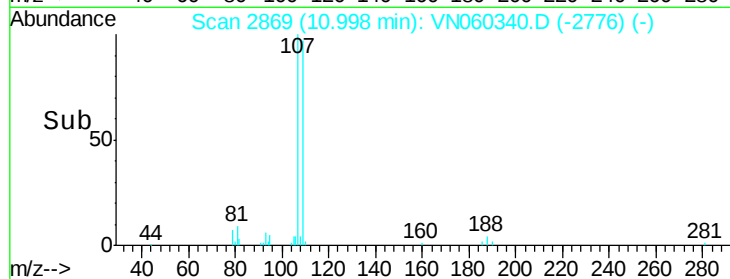
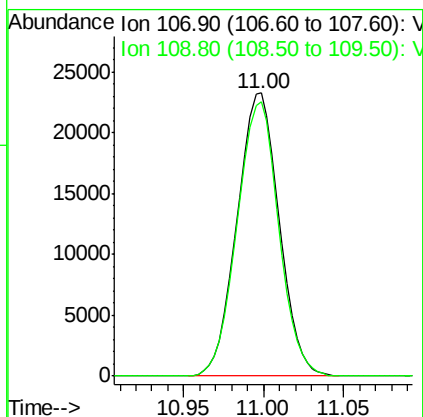
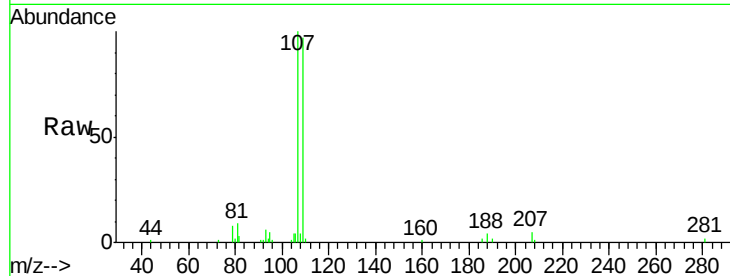




#61
 1,2-Dibromoethane
 Concen: 18.164 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. 0.00 min
 Lab File: VN060340.D
 Acq: 4 Mar 2020 11:25

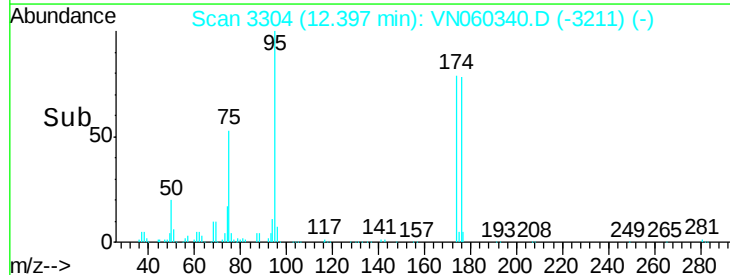
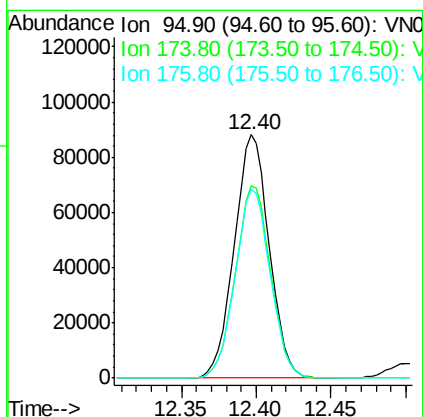
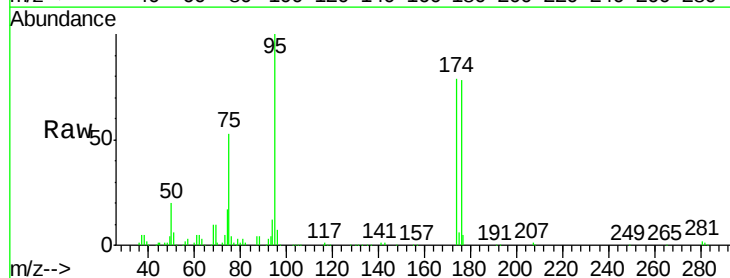
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0304WBS01

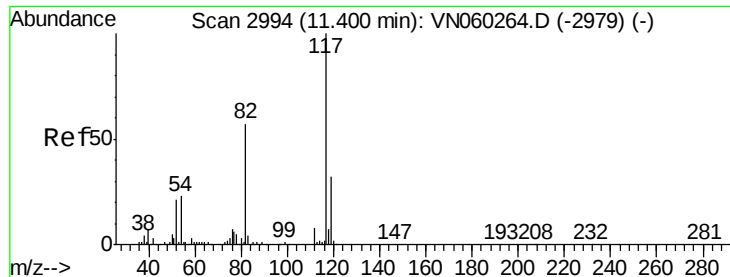
Tgt Ion: 107 Resp: 41740
 Ion Ratio Lower Upper
 107 100
 109 95.9 76.8 115.2



#62
 4-Bromofluorobenzene
 Concen: 47.813 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN060340.D
 Acq: 4 Mar 2020 11:25

Tgt Ion: 95 Resp: 143240
 Ion Ratio Lower Upper
 95 100
 174 79.9 0.0 159.2
 176 77.8 0.0 153.8

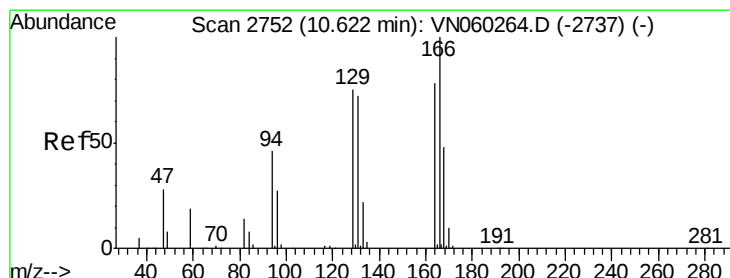
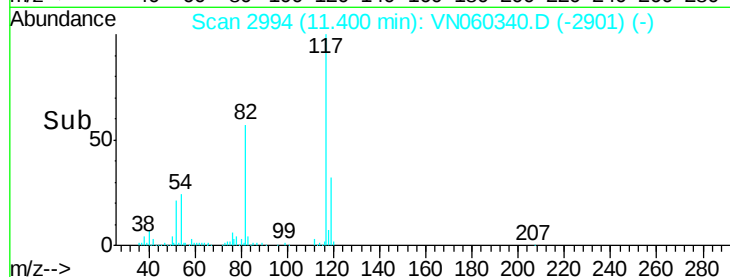
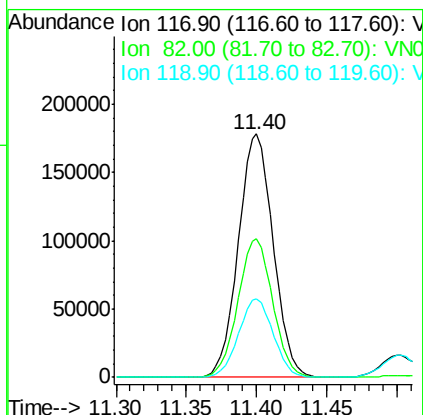
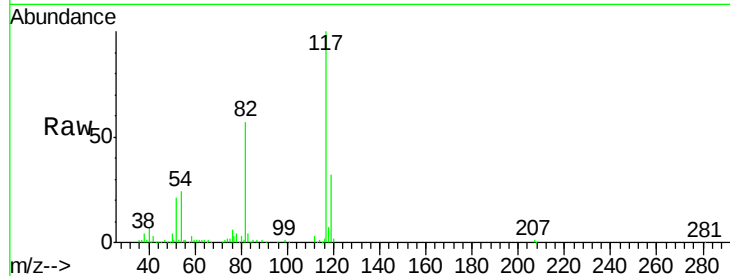




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060340.D
Acq: 4 Mar 2020 11:25

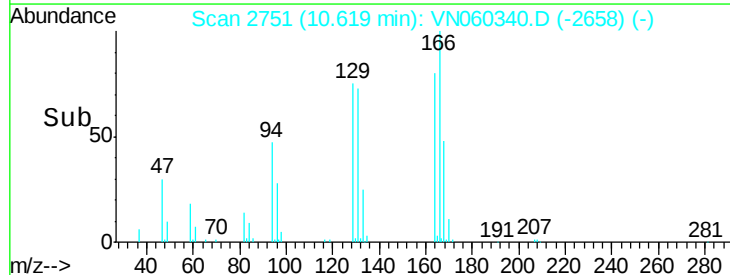
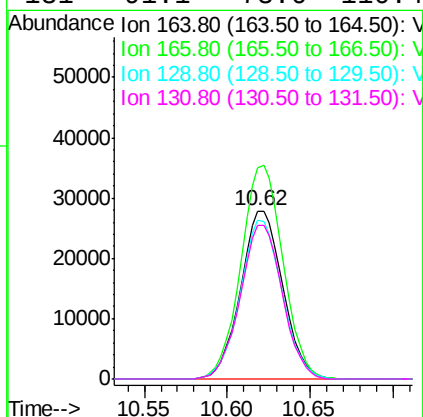
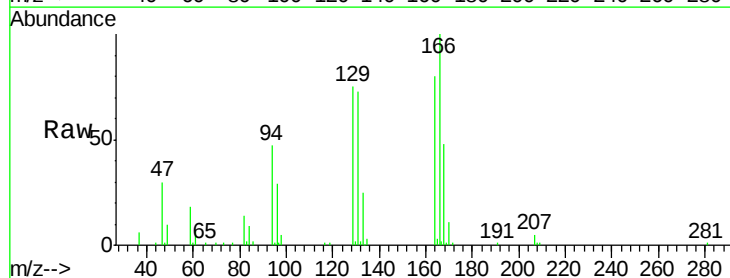
Instrument :
MSVOA_N
ClientSampleId :
VN0304WBS01

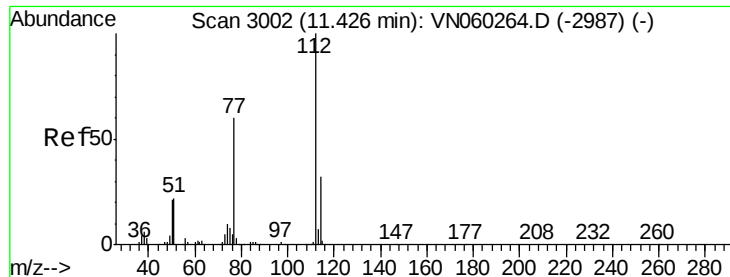
Tgt Ion:117 Resp: 308750
Ion Ratio Lower Upper
117 100
82 56.8 45.8 68.6
119 32.3 25.8 38.8



#64
Tetrachloroethene
Concen: 19.379 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VN060340.D
Acq: 4 Mar 2020 11:25

Tgt Ion:164 Resp: 49215
Ion Ratio Lower Upper
164 100
166 125.7 102.0 153.0
129 94.5 76.4 114.6
131 91.1 73.6 110.4

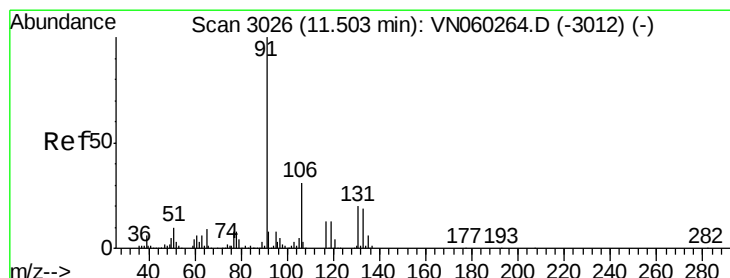
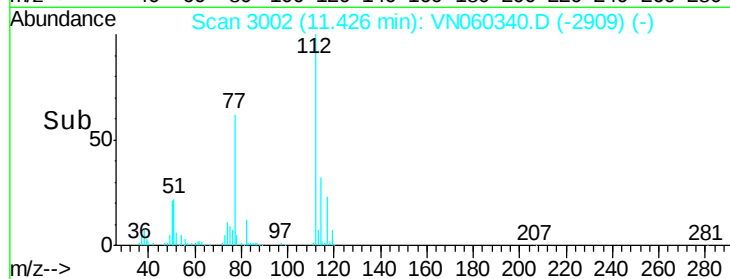
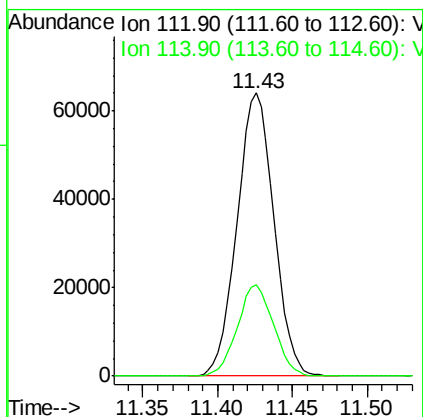
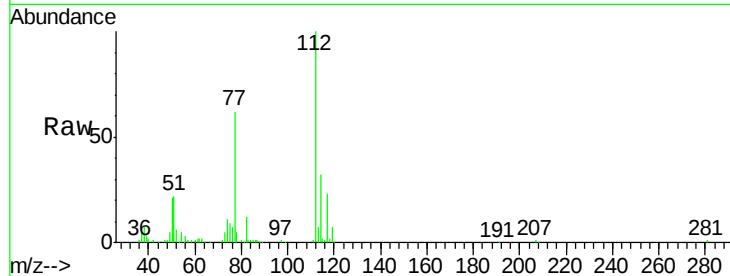




#65
Chlorobenzene
Concen: 17.624 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN060340.D
Acq: 4 Mar 2020 11:25

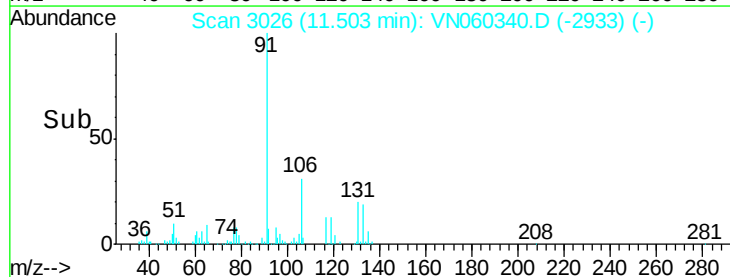
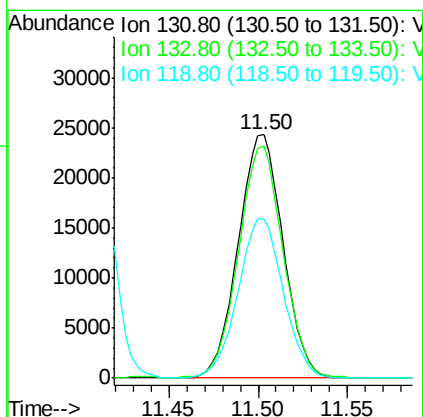
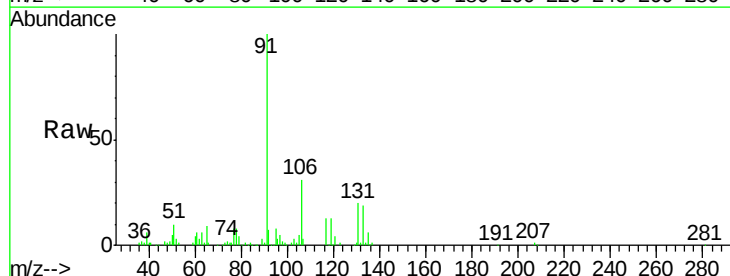
Instrument :
MSVOA_N
ClientSampleId :
VN0304WBS01

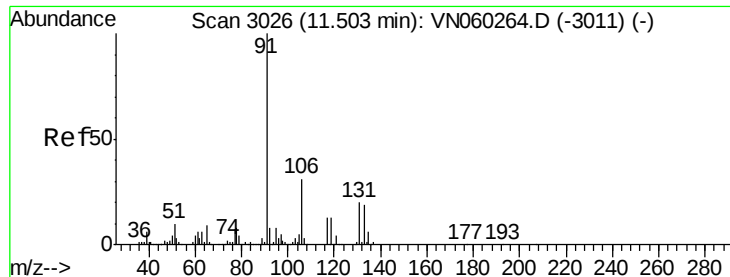
Tgt Ion:112 Resp: 109873
Ion Ratio Lower Upper
112 100
114 32.1 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 18.455 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN060340.D
Acq: 4 Mar 2020 11:25

Tgt Ion:131 Resp: 42541
Ion Ratio Lower Upper
131 100
133 95.6 47.7 143.1
119 66.4 33.2 99.6





#67

Ethyl Benzene

Concen: 17.903 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN060340.D

Acq: 4 Mar 2020 11:25

Instrument :

MSVOA_N

ClientSampleId :

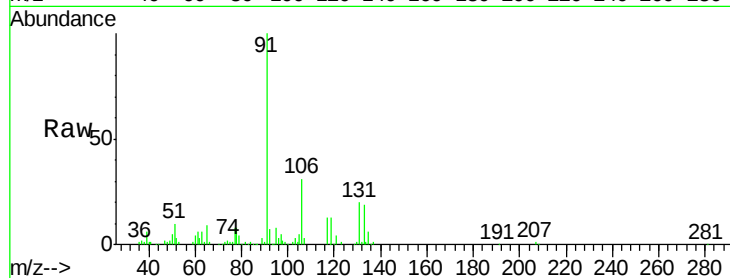
VN0304WBS01

Tgt Ion: 91 Resp: 203256

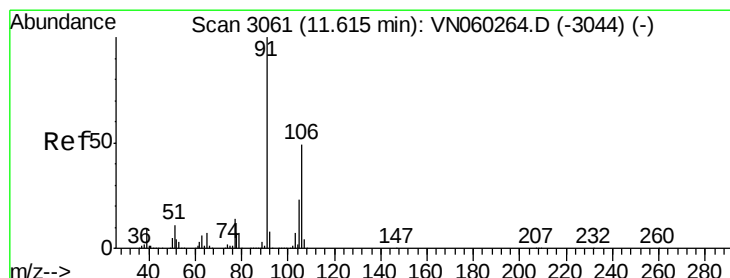
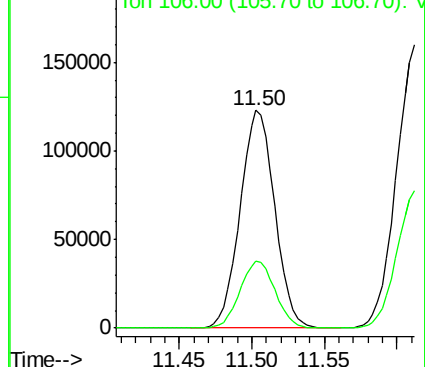
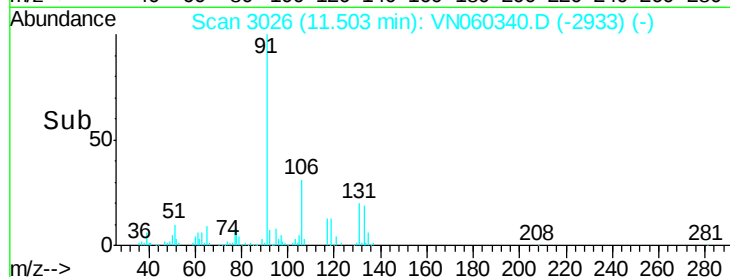
Ion Ratio Lower Upper

91 100

106 30.8 24.7 37.1



Abundance Ion 91.00 (90.70 to 91.70): VN060340.D (-2933) (-)



#68

m/p-Xylenes

Concen: 35.374 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN060340.D

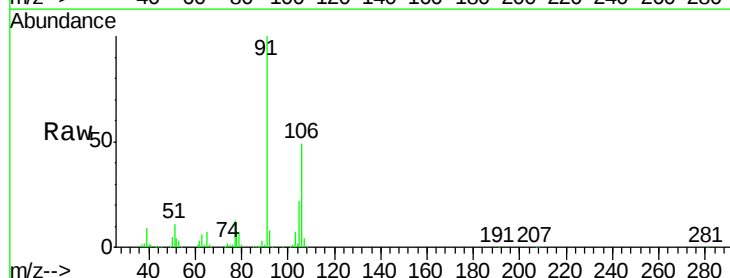
Acq: 4 Mar 2020 11:25

Tgt Ion: 106 Resp: 151525

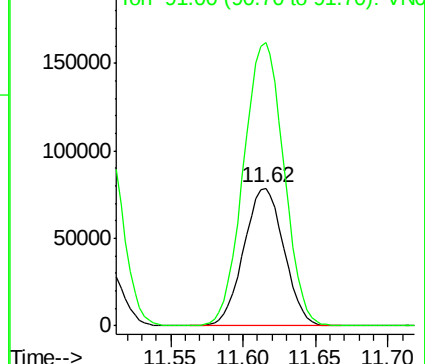
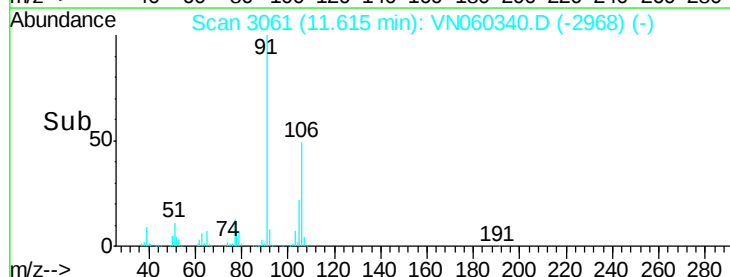
Ion Ratio Lower Upper

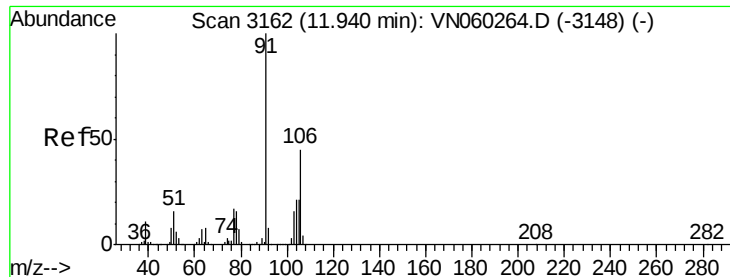
106 100

91 207.2 164.5 246.7



Abundance Ion 106.00 (105.70 to 106.70): VN060340.D (-2968) (-)

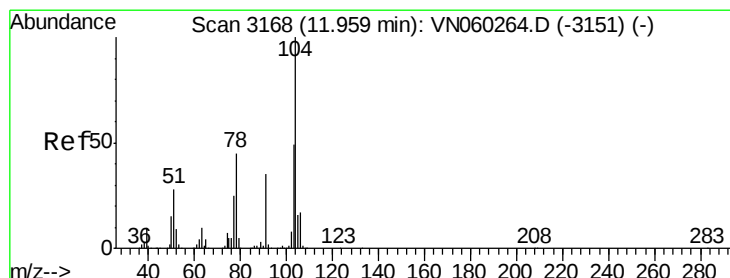
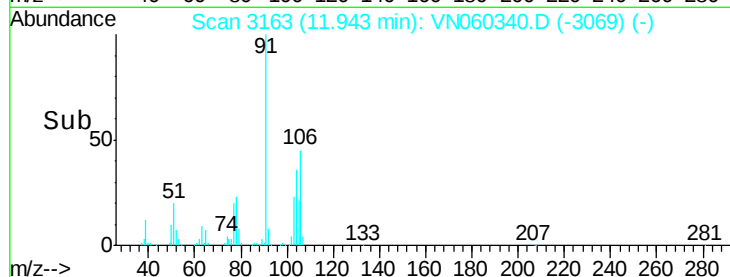
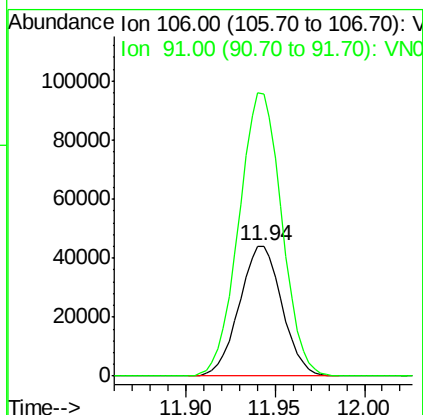
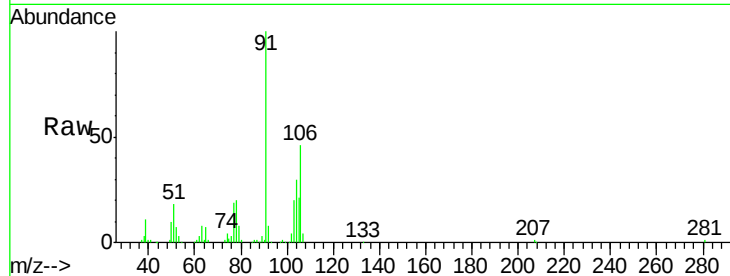




#69
o-Xylene
Concen: 17.946 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN060340.D
Acq: 4 Mar 2020 11:25

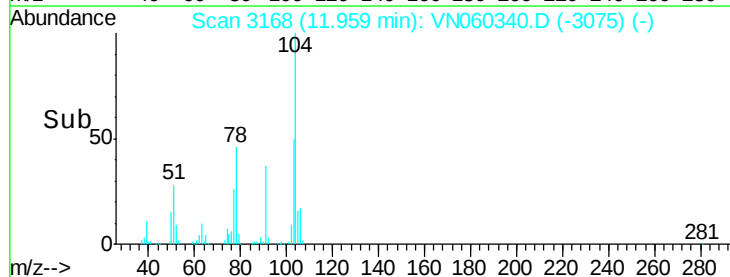
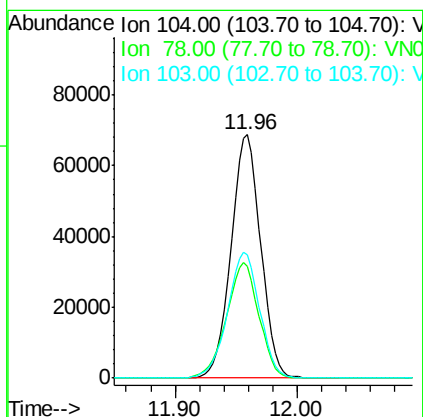
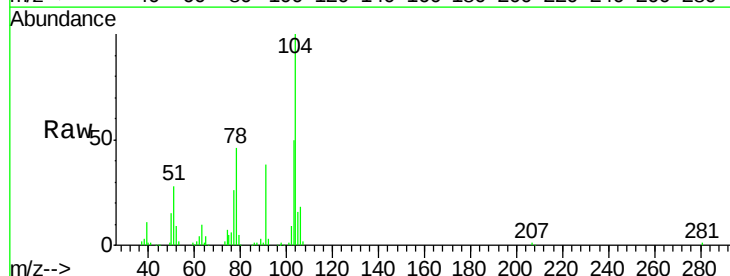
Instrument :
MSVOA_N
ClientSampled :
VN0304WBS01

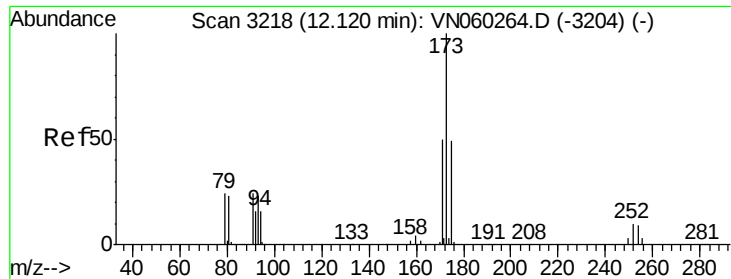
Tgt Ion:106 Resp: 73303
Ion Ratio Lower Upper
106 100
91 219.3 109.5 328.4



#70
Styrene
Concen: 17.323 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN060340.D
Acq: 4 Mar 2020 11:25

Tgt Ion:104 Resp: 116340
Ion Ratio Lower Upper
104 100
78 52.0 41.2 61.8
103 56.2 43.9 65.9





#71

Bromoform

Concen: 18.076 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN060340.D

Acq: 4 Mar 2020 11:25

Instrument :

MSVOA_N

ClientSampleId :

VN0304WBS01

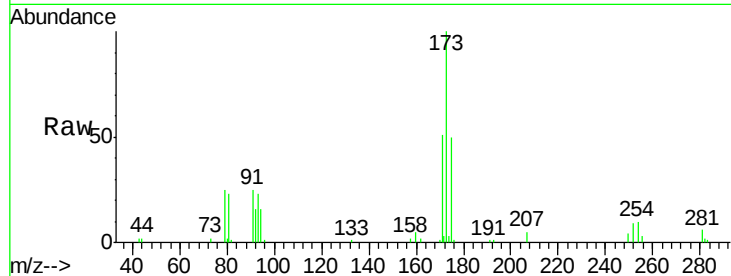
Tgt Ion:173 Resp: 30031

Ion Ratio Lower Upper

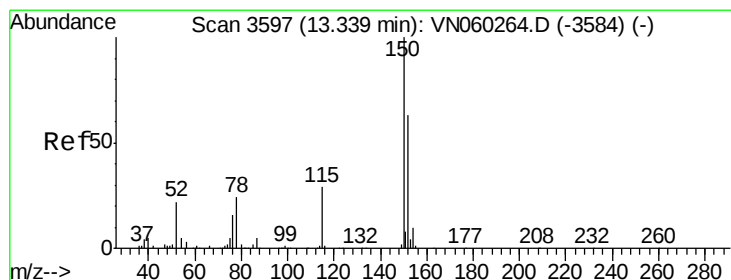
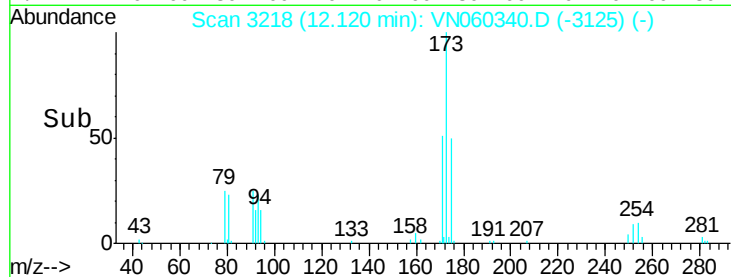
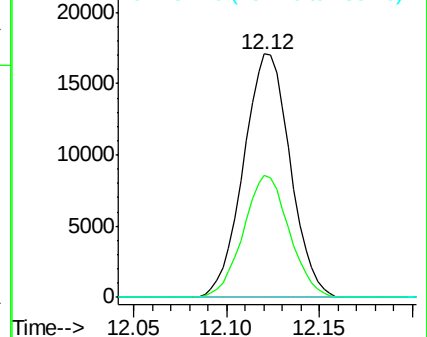
173 100

175 49.3 24.1 72.2

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN060340.D

Acq: 4 Mar 2020 11:25

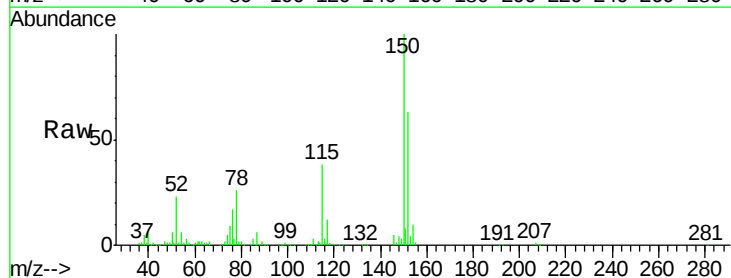
Tgt Ion:152 Resp: 148024

Ion Ratio Lower Upper

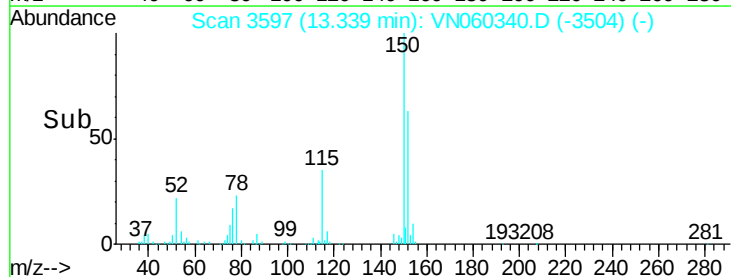
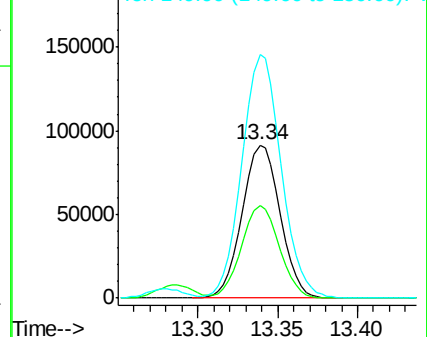
152 100

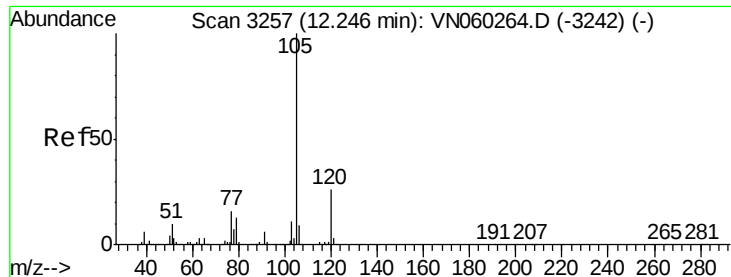
115 60.4 30.0 90.0

150 164.4 0.0 349.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.205 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN060340.D

Acq: 4 Mar 2020 11:25

Instrument :

MSVOA_N

ClientSampled :

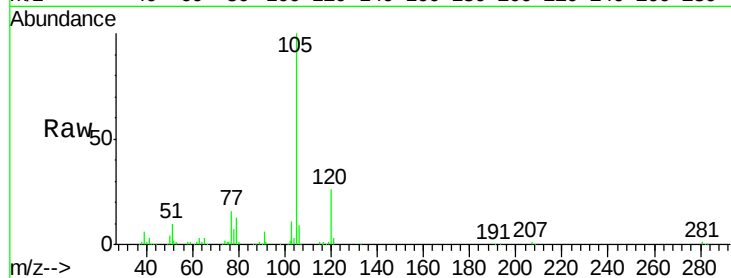
VN0304WBS01

Tgt Ion: 105 Resp: 199731

Ion Ratio Lower Upper

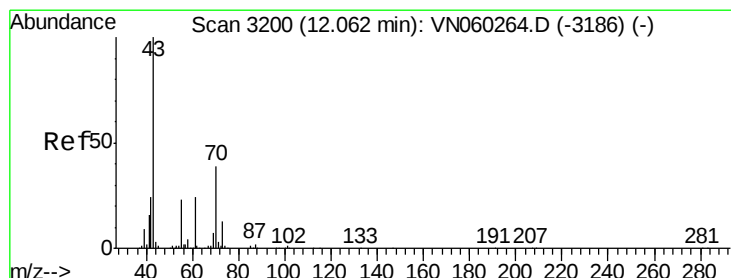
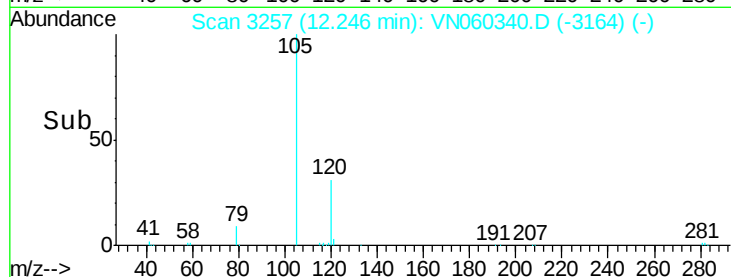
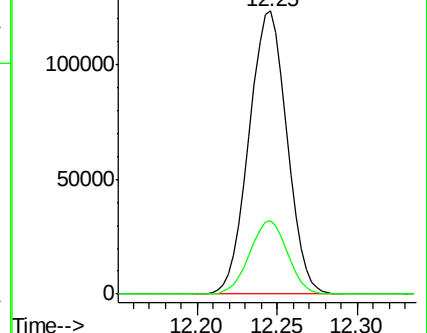
105 100

120 25.8 13.0 38.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 17.495 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN060340.D

Acq: 4 Mar 2020 11:25

Tgt Ion: 43 Resp: 83876

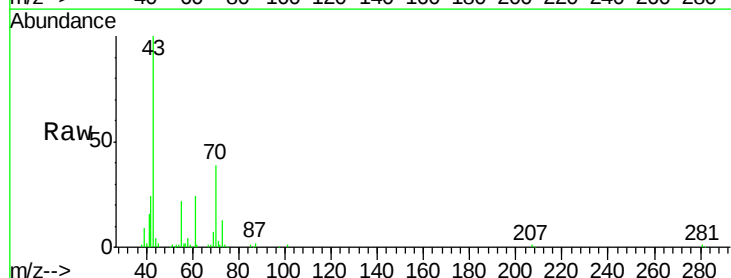
Ion Ratio Lower Upper

43 100

70 39.5 32.2 48.2

55 22.7 18.2 27.4

61 23.5 19.2 28.8

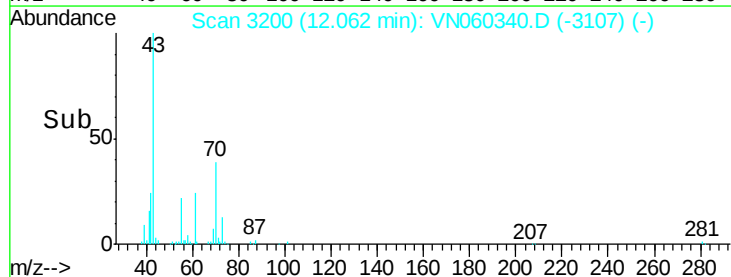
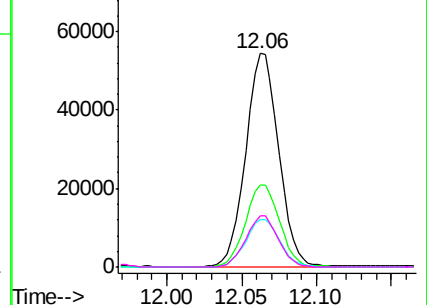


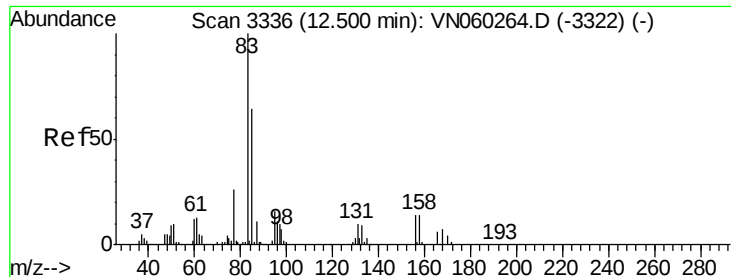
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 18.563 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060340.D

Acq: 4 Mar 2020 11:25

Instrument :

MSVOA_N

ClientSampleId :

VN0304WBS01

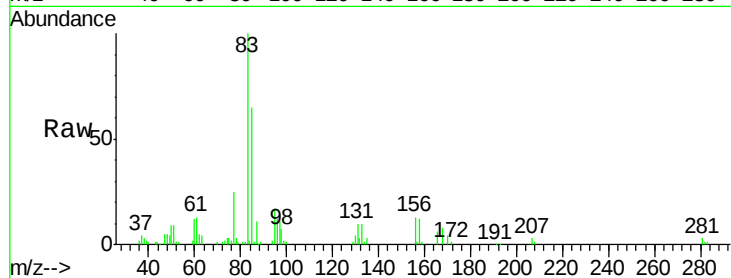
Tgt Ion: 83 Resp: 55359

Ion Ratio Lower Upper

83 100

131 10.2 5.1 15.3

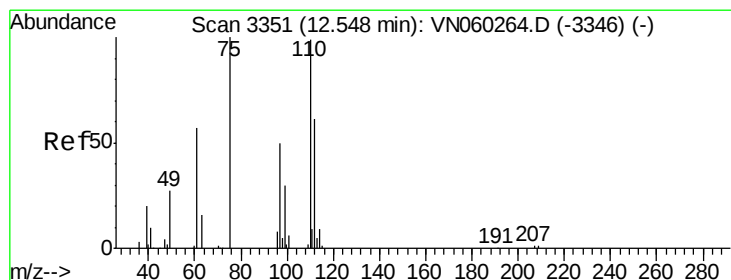
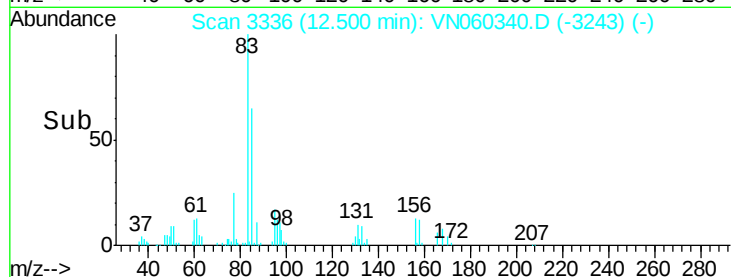
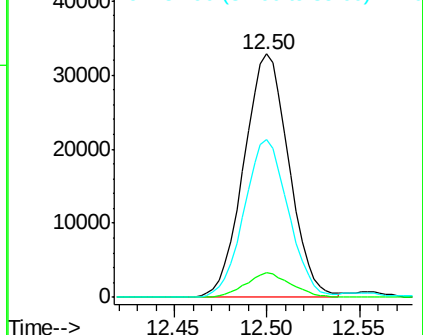
85 63.8 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN060340.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN060340.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN060340.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 23.870 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN060340.D

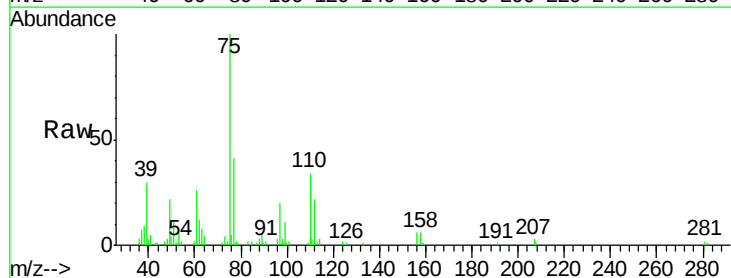
Acq: 4 Mar 2020 11:25

Tgt Ion: 75 Resp: 77520

Ion Ratio Lower Upper

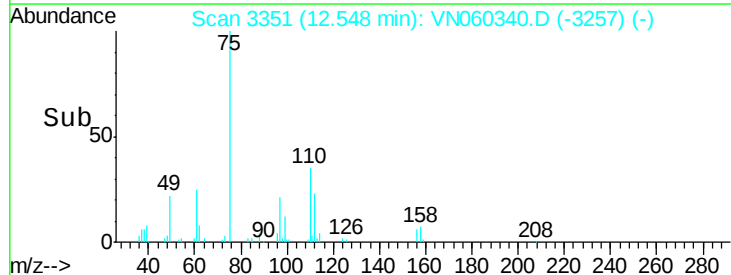
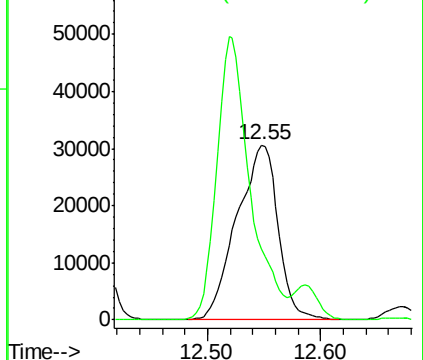
75 100

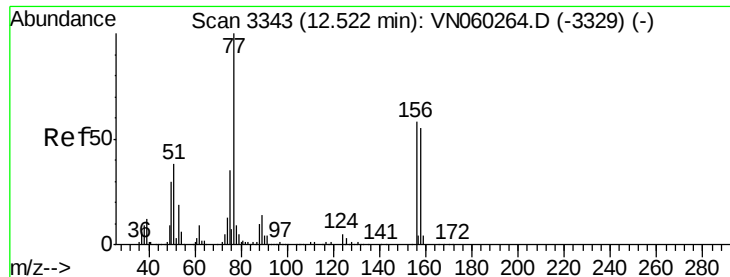
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN060340.D (-3257) (-)

Ion 77.00 (76.70 to 77.70): VN060340.D (-3257) (-)





#77

Bromobenzene

Concen: 17.566 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN060340.D

Acq: 4 Mar 2020 11:25

Instrument :

MSVOA_N

ClientSampleId :

VN0304WBS01

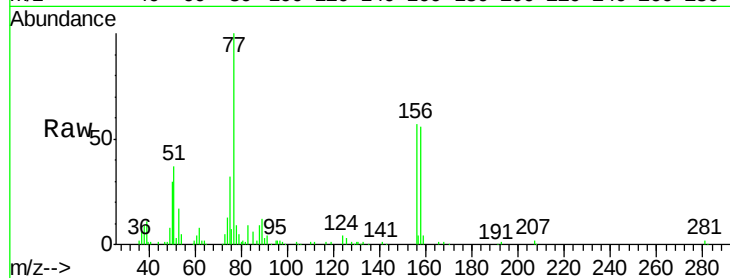
Tgt Ion:156 Resp: 47241

Ion Ratio Lower Upper

156 100

77 214.3 106.1 318.3

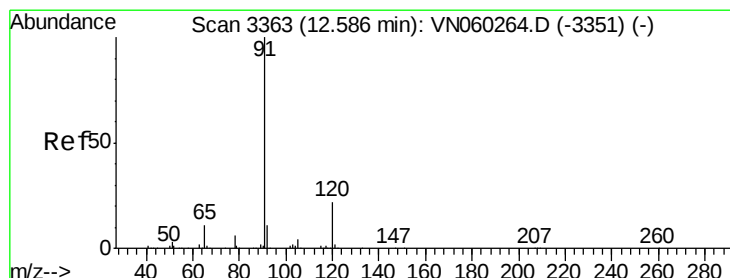
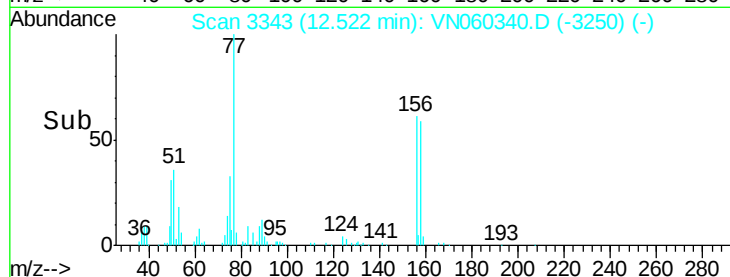
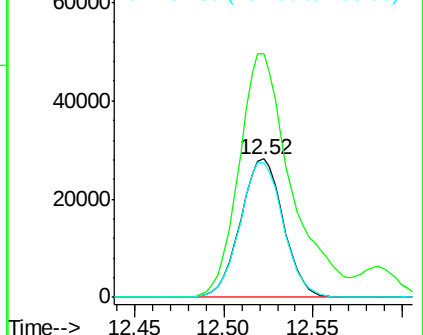
158 98.7 48.3 144.8



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: 17.979 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060340.D

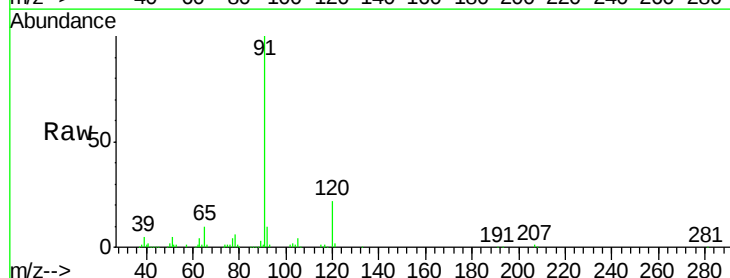
Acq: 4 Mar 2020 11:25

Tgt Ion: 91 Resp: 231222

Ion Ratio Lower Upper

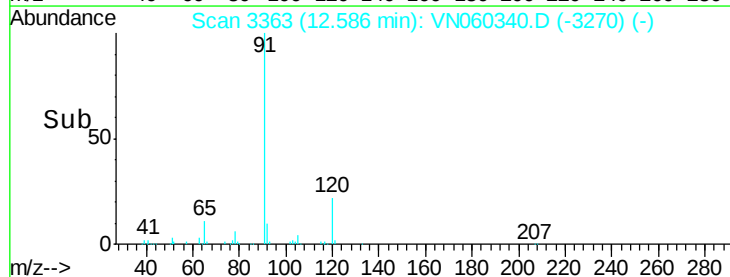
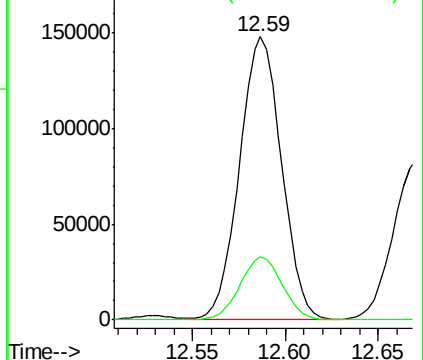
91 100

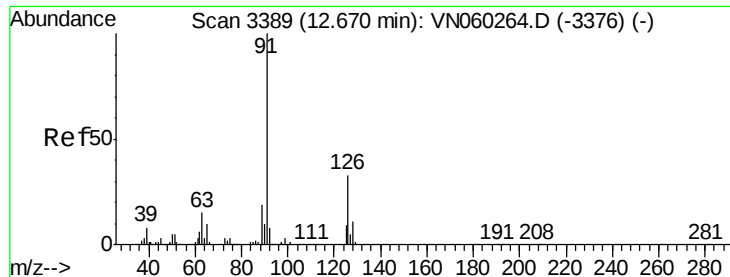
120 22.6 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

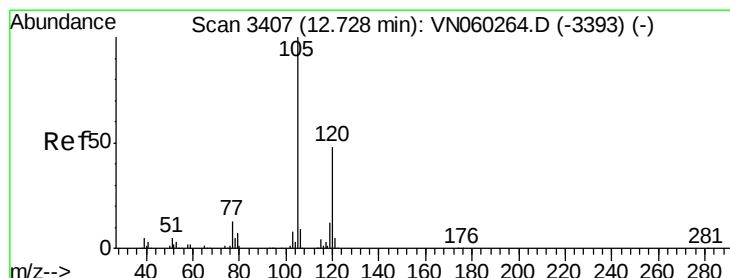
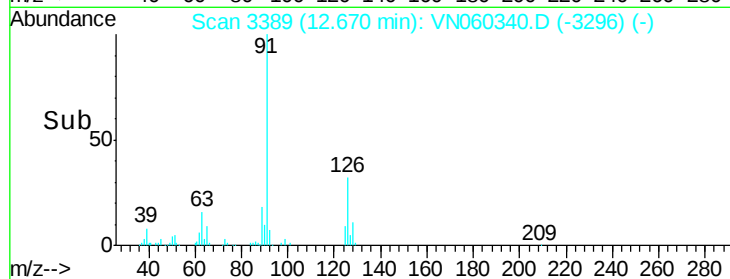
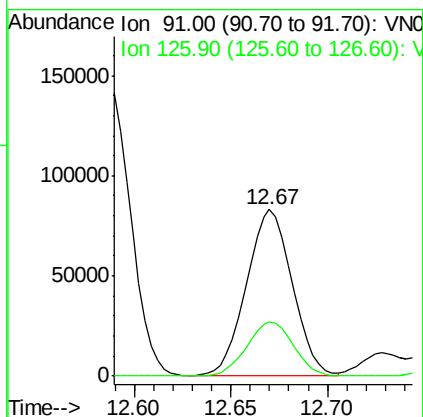
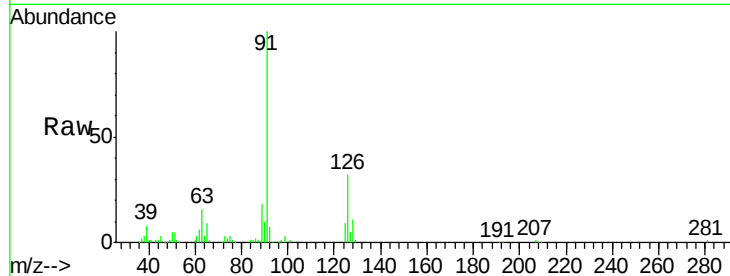




#79
 2-Chlorotoluene
 Concen: 18.053 ug/l
 RT: 12.67 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VN060340.D
 Acq: 4 Mar 2020 11:25

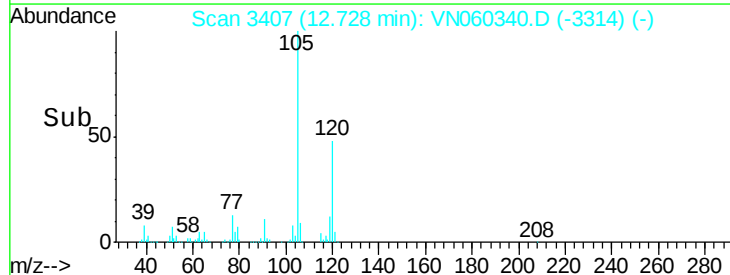
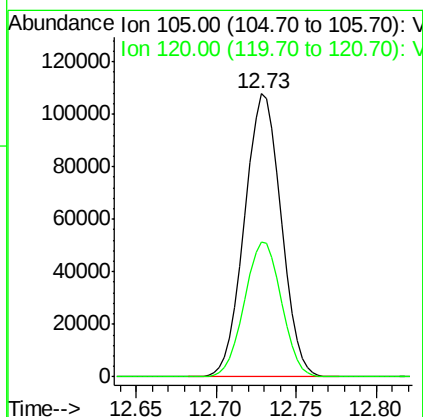
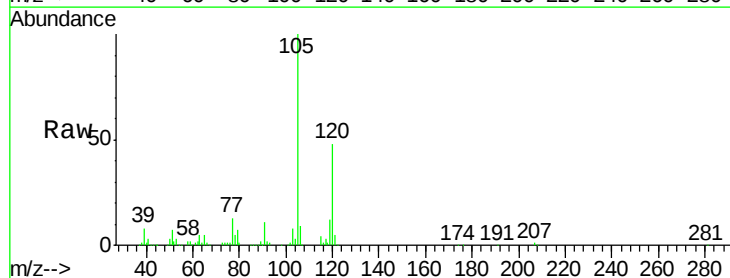
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0304WBS01

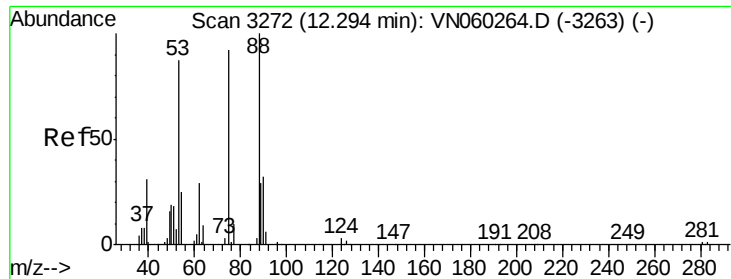
Tgt Ion: 91 Resp: 136475
 Ion Ratio Lower Upper
 91 100
 126 33.0 16.6 49.8



#80
 1,3,5-Trimethylbenzene
 Concen: 18.242 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. 0.00 min
 Lab File: VN060340.D
 Acq: 4 Mar 2020 11:25

Tgt Ion: 105 Resp: 168510
 Ion Ratio Lower Upper
 105 100
 120 48.0 24.1 72.4

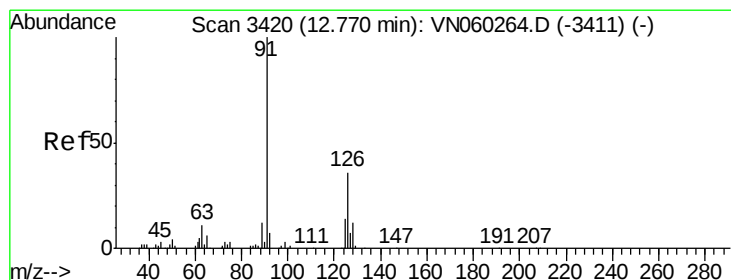
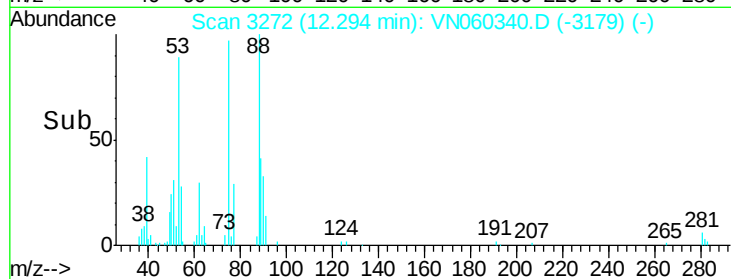
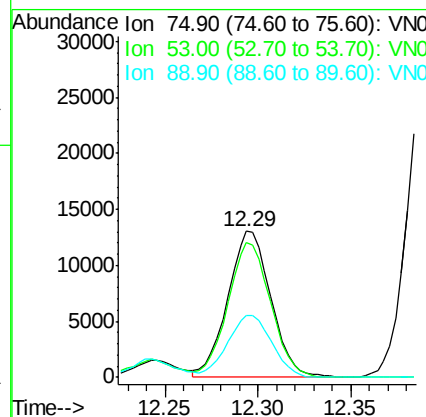
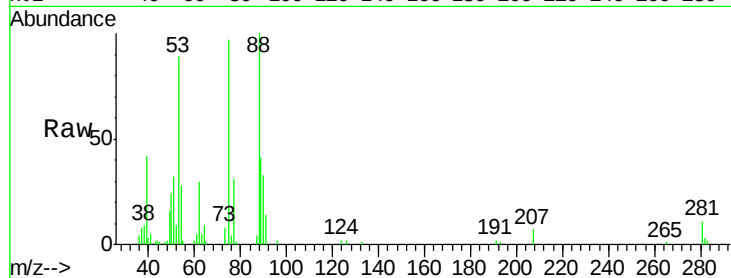




#81
trans-1,4-Dichloro-2-butene
Concen: 17.882 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. 0.00 min
Lab File: VN060340.D
Acq: 4 Mar 2020 11:25

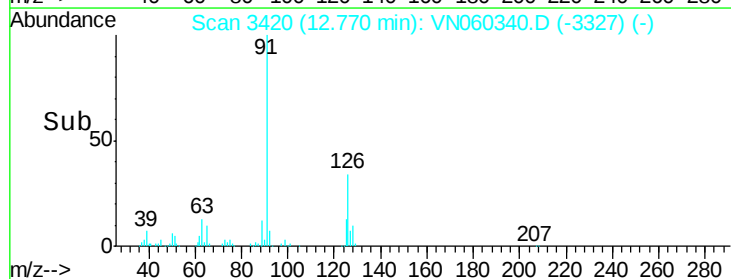
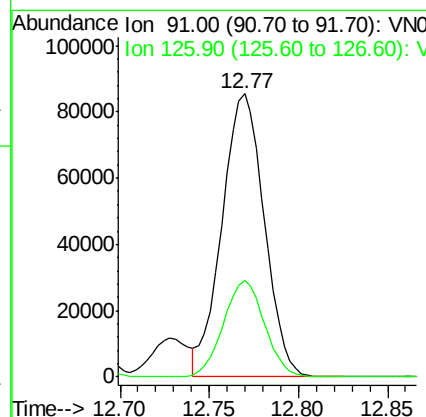
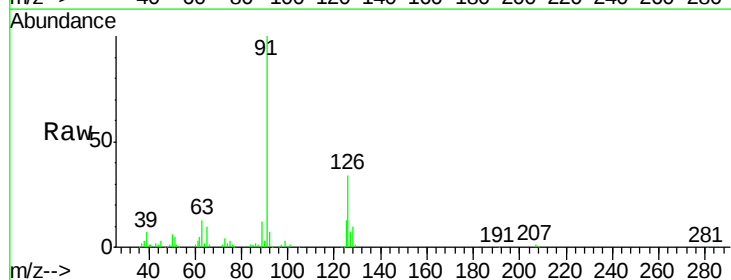
Instrument :
MSVOA_N
ClientSampled :
VN0304WBS01

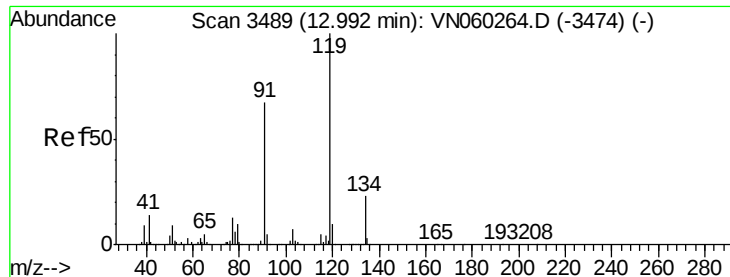
Tgt Ion: 75 Resp: 21038
Ion Ratio Lower Upper
75 100
53 91.5 73.8 110.6
89 43.5 57.1 85.7#



#82
4-Chlorotoluene
Concen: 17.621 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN060340.D
Acq: 4 Mar 2020 11:25

Tgt Ion: 91 Resp: 140349
Ion Ratio Lower Upper
91 100
126 33.0 16.7 50.1

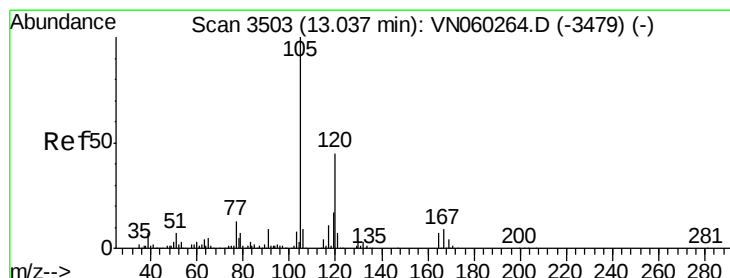
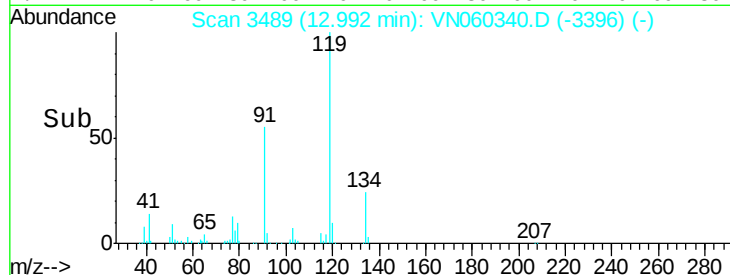
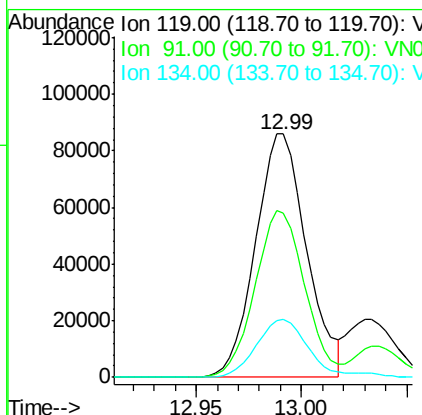
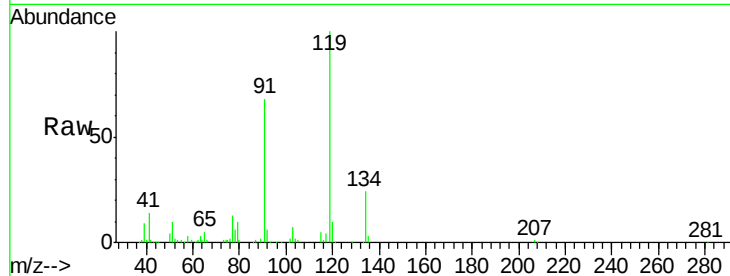




#83
 tert-Butylbenzene
 Concen: 18.097 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN060340.D
 Acq: 4 Mar 2020 11:25

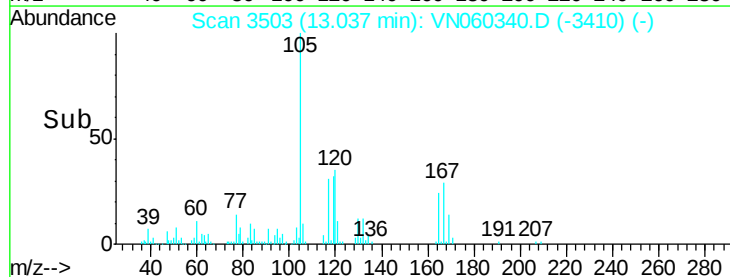
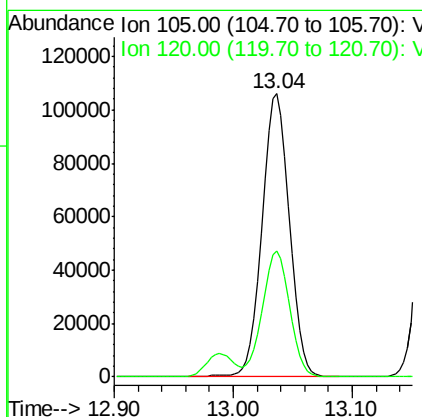
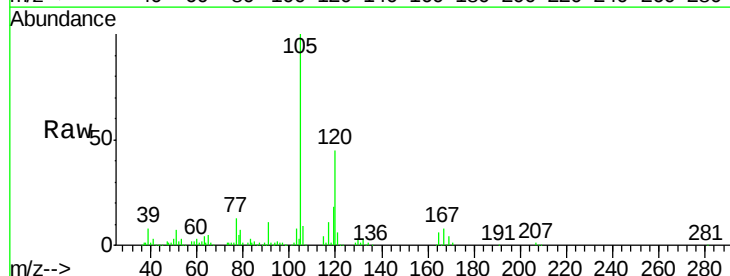
Instrument :
 MSVOA_N
 ClientSampled :
 VN0304WBS01

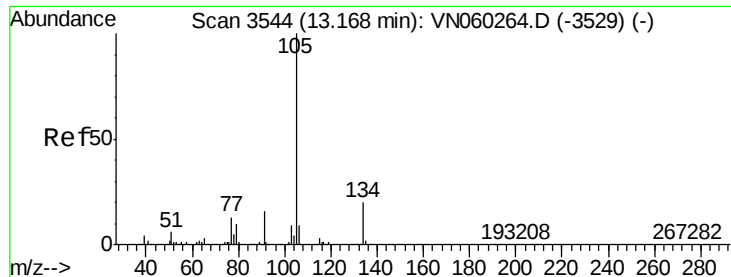
Tgt Ion:119 Resp: 144734
 Ion Ratio Lower Upper
 119 100
 91 66.5 33.1 99.2
 134 24.8 12.4 37.0



#84
 1,2,4-Trimethylbenzene
 Concen: 18.085 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN060340.D
 Acq: 4 Mar 2020 11:25

Tgt Ion:105 Resp: 168615
 Ion Ratio Lower Upper
 105 100
 120 44.3 22.3 66.9

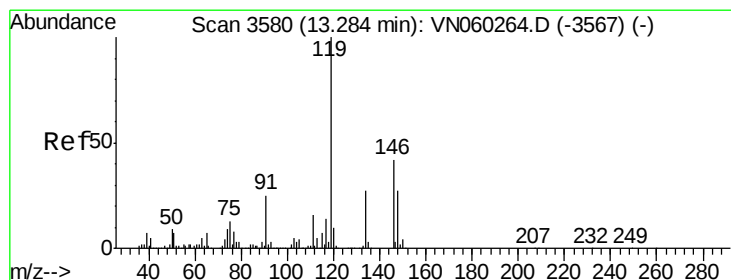
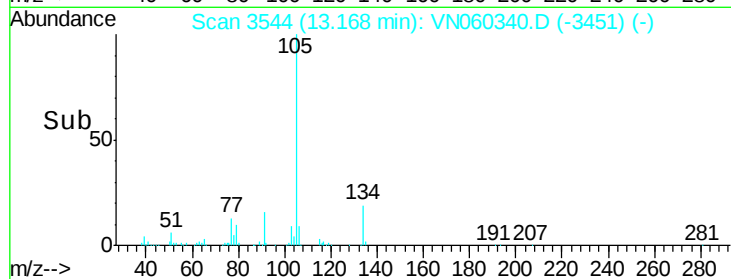
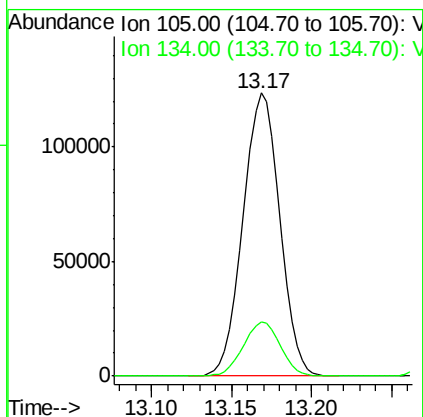
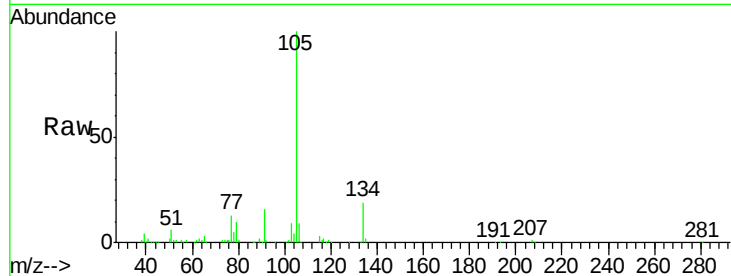




#85
 sec-Butylbenzene
 Concen: 18.063 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN060340.D
 Acq: 4 Mar 2020 11:25

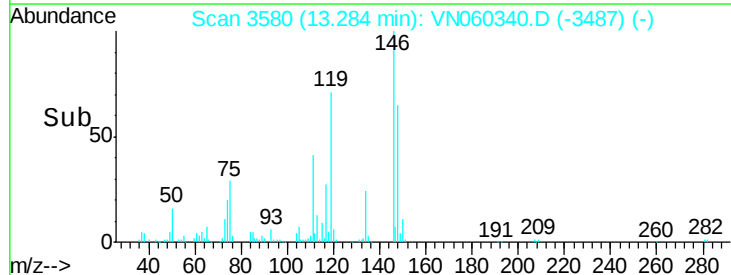
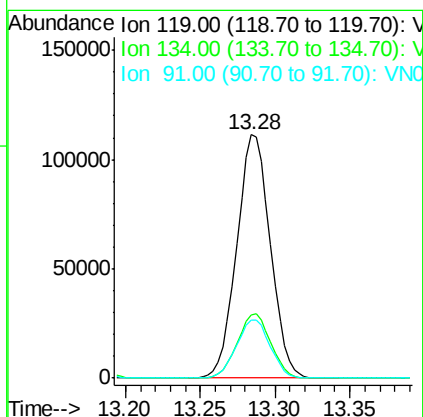
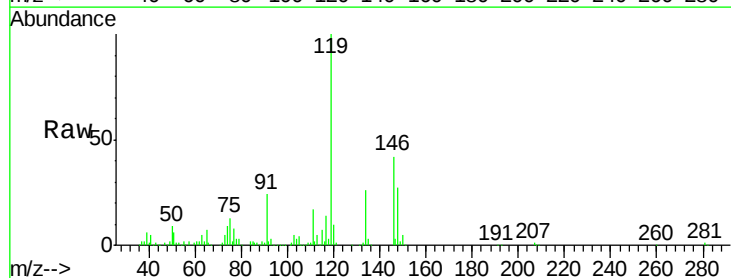
Instrument :
 MSVOA_N
 ClientSampled :
 VN0304WBS01

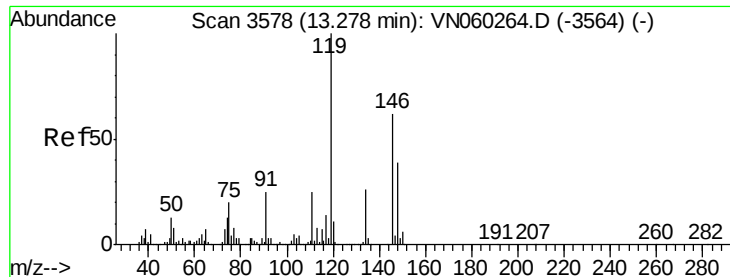
Tgt Ion:105 Resp: 193448
 Ion Ratio Lower Upper
 105 100
 134 19.3 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 17.562 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN060340.D
 Acq: 4 Mar 2020 11:25

Tgt Ion:119 Resp: 174081
 Ion Ratio Lower Upper
 119 100
 134 26.3 13.2 39.6
 91 24.1 12.2 36.6





#87

1,3-Dichlorobenzene

Concen: 18.313 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

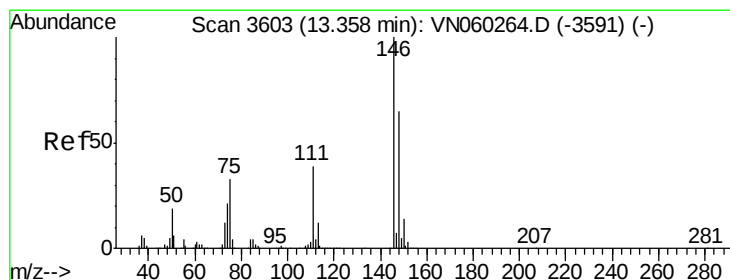
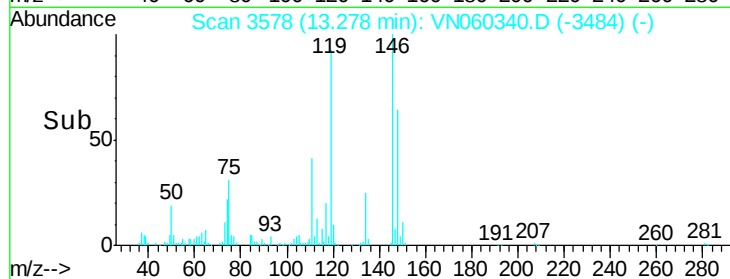
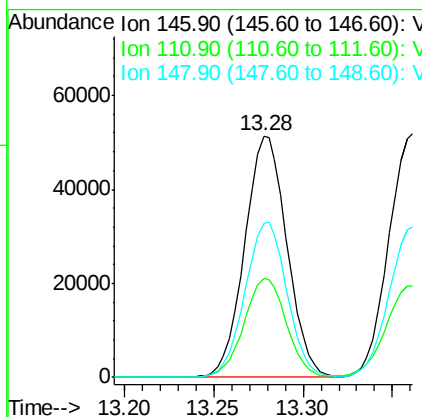
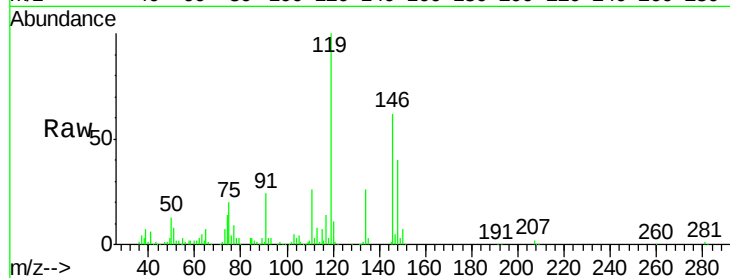
Lab File: VN060340.D

Acq: 4 Mar 2020 11:25

Instrument :
MSVOA_N
ClientSampleId :
VN0304WBS01

Tgt Ion:146 Resp: 85184

Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.0	59.9
148	63.9	32.1	96.3



#88

1,4-Dichlorobenzene

Concen: 18.522 ug/l

RT: 13.36 min Scan# 3604

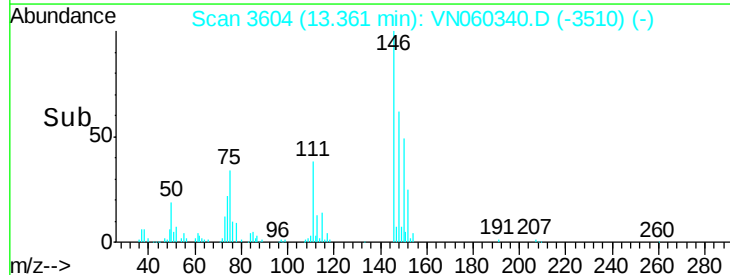
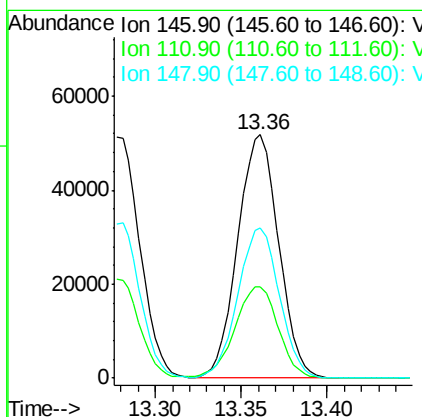
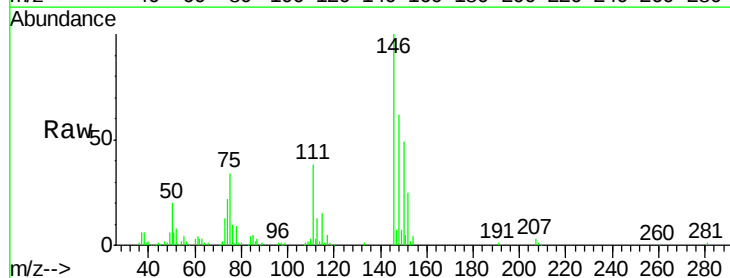
Delta R.T. 0.00 min

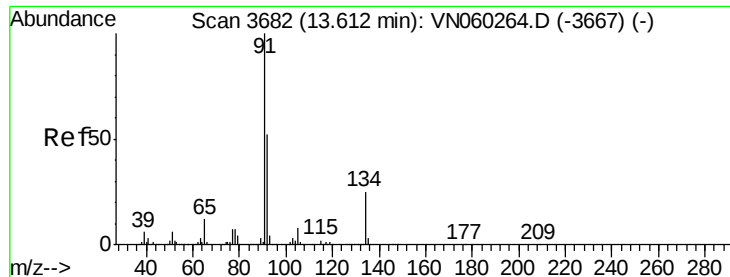
Lab File: VN060340.D

Acq: 4 Mar 2020 11:25

Tgt Ion:146 Resp: 86103

Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.8	59.4
148	62.6	32.3	96.9





#89

n-Butylbenzene

Concen: 17.604 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN060340.D

Acq: 4 Mar 2020 11:25

Instrument :

MSVOA_N

ClientSampled :

VN0304WBS01

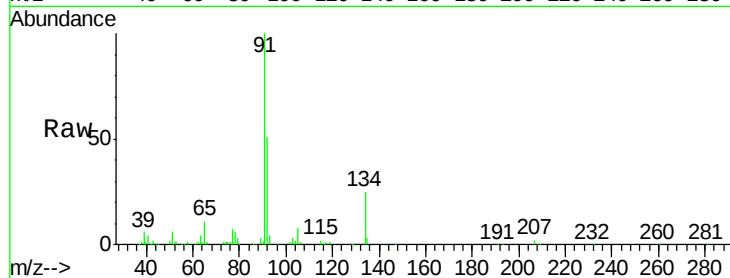
Tgt Ion: 91 Resp: 160191

Ion Ratio Lower Upper

91 100

92 51.7 26.0 78.0

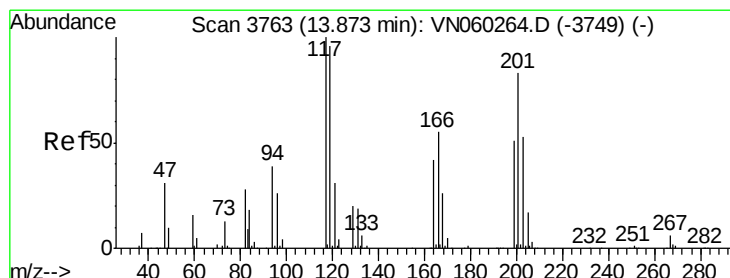
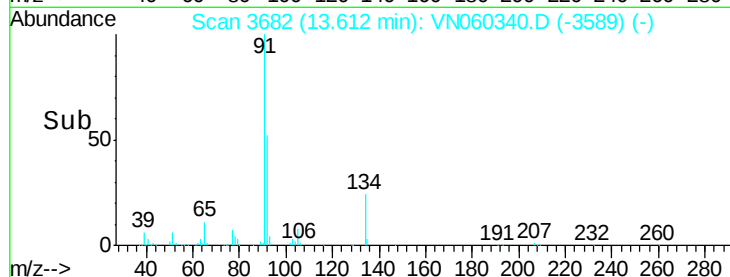
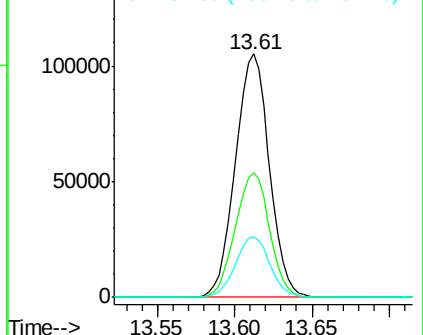
134 25.2 12.7 38.1



Abundance Ion 91.00 (90.70 to 91.70): VN060340.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN060340.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN060340.D (-3667) (-)



#90

Hexachloroethane

Concen: 16.601 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN060340.D

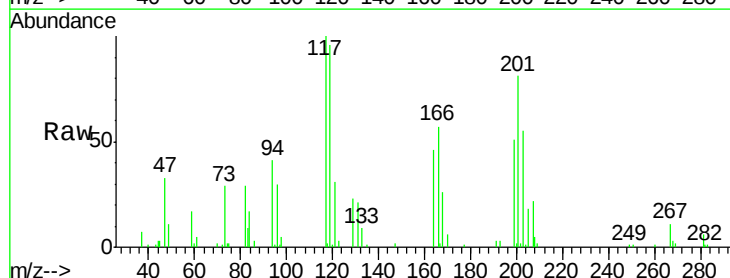
Acq: 4 Mar 2020 11:25

Tgt Ion: 117 Resp: 23820

Ion Ratio Lower Upper

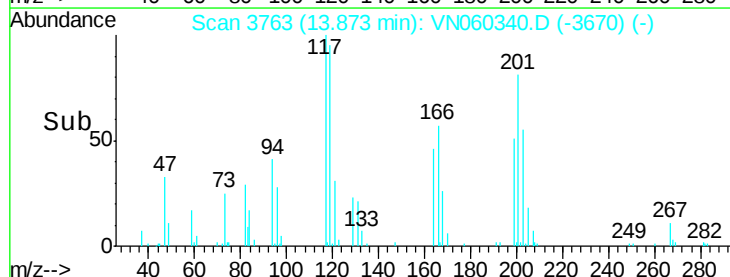
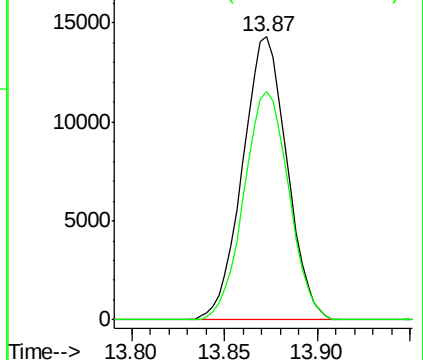
117 100

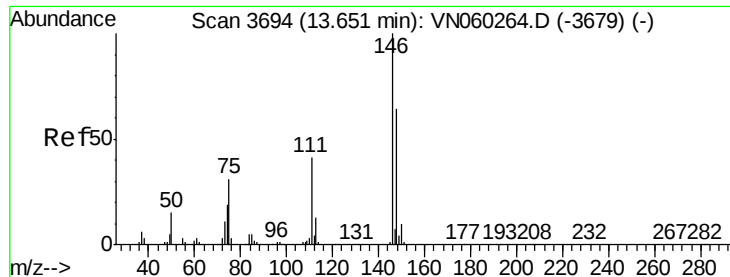
201 81.5 41.0 123.0



Abundance Ion 116.80 (116.50 to 117.50): VN060340.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN060340.D (-3749) (-)

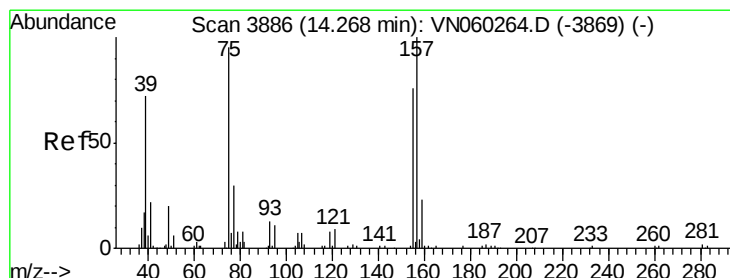
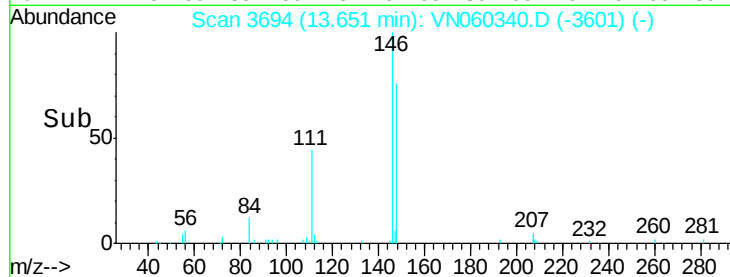
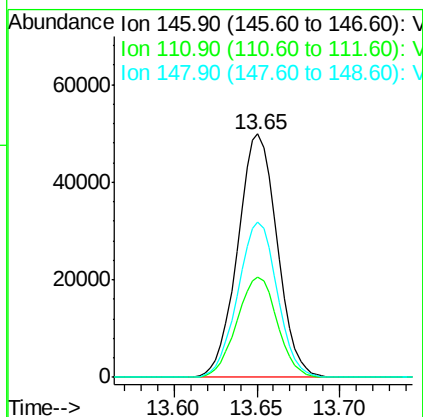
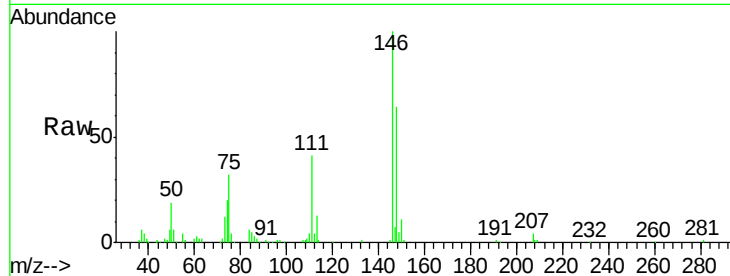




#91
 1,2-Dichlorobenzene
 Concen: 17.564 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN060340.D
 Acq: 4 Mar 2020 11:25

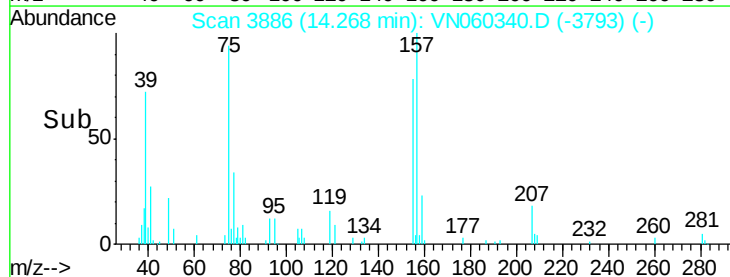
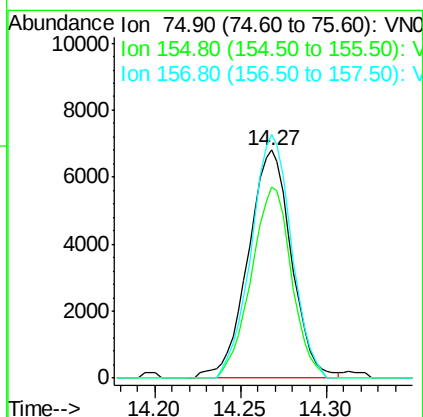
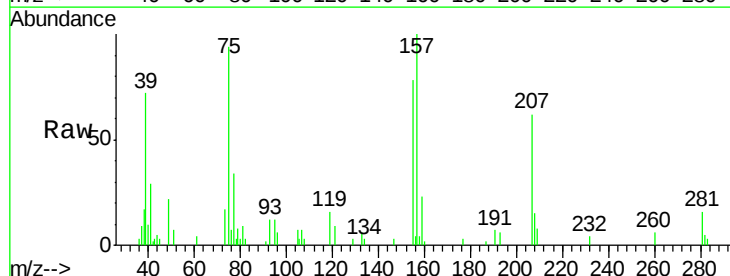
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0304WBS01

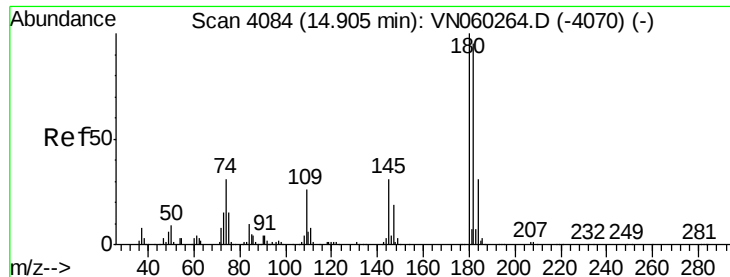
Tgt Ion: 146 Resp: 82770
 Ion Ratio Lower Upper
 146 100
 111 42.1 20.3 61.0
 148 63.7 31.8 95.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.604 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN060340.D
 Acq: 4 Mar 2020 11:25

Tgt Ion: 75 Resp: 11889
 Ion Ratio Lower Upper
 75 100
 155 77.4 40.4 121.2
 157 99.1 52.5 157.5

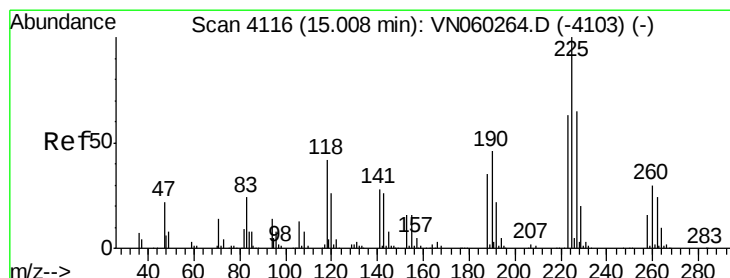
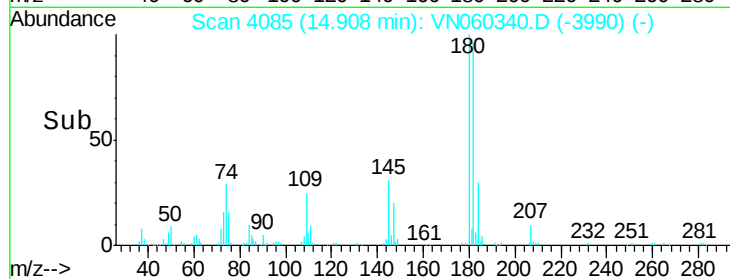
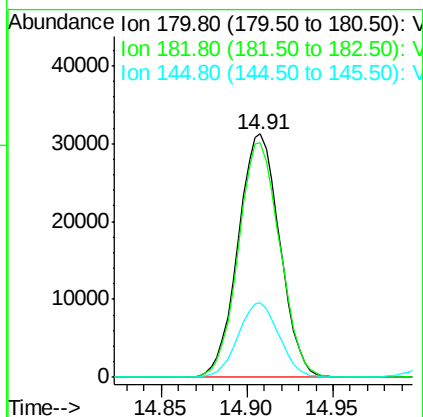
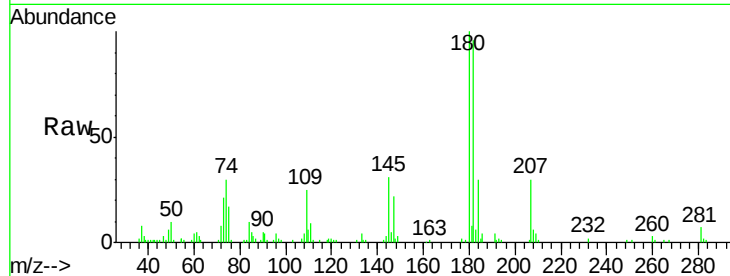




#93
 1,2,4-Trichlorobenzene
 Concen: 17.632 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060340.D
 Acq: 4 Mar 2020 11:25

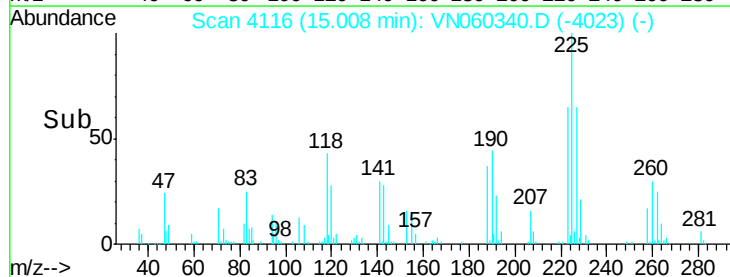
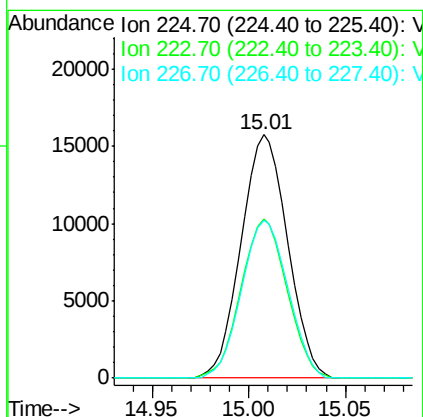
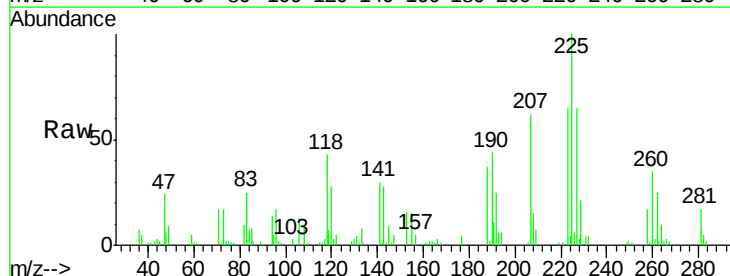
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0304WBS01

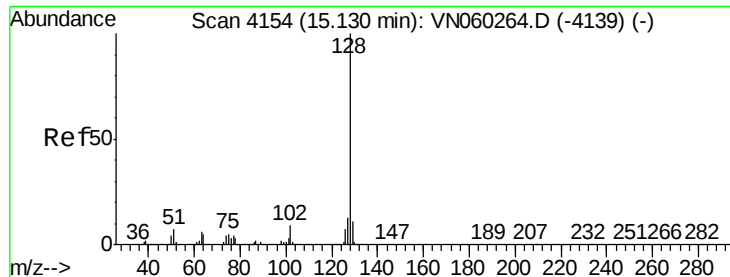
Tgt Ion:180 Resp: 52624
 Ion Ratio Lower Upper
 180 100
 182 96.0 47.8 143.3
 145 30.0 15.4 46.1



#94
 Hexachlorobutadiene
 Concen: 18.775 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060340.D
 Acq: 4 Mar 2020 11:25

Tgt Ion:225 Resp: 26335
 Ion Ratio Lower Upper
 225 100
 223 64.7 31.3 93.9
 227 64.7 32.3 96.9





#95

Naphthalene

Concen: 17.012 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN060340.D

Acq: 4 Mar 2020 11:25

Instrument :

MSVOA_N

ClientSampleId :

VN0304WBS01

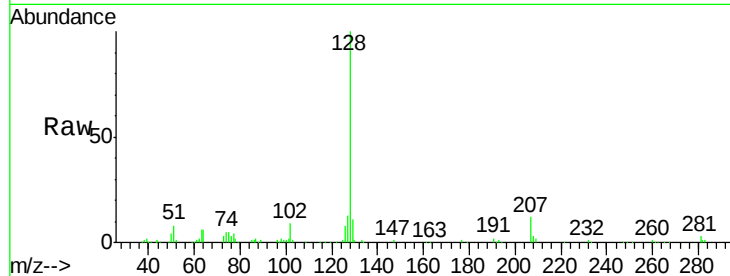
Tgt Ion:128 Resp: 151622

Ion Ratio Lower Upper

128 100

127 12.6 10.4 15.6

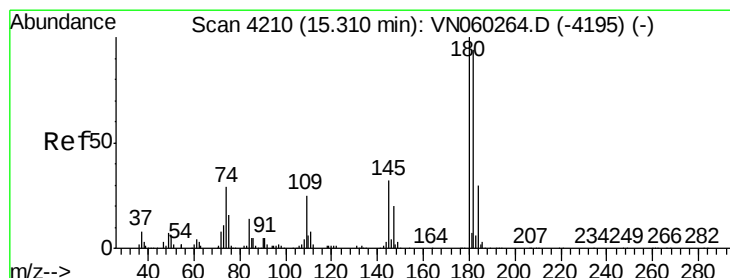
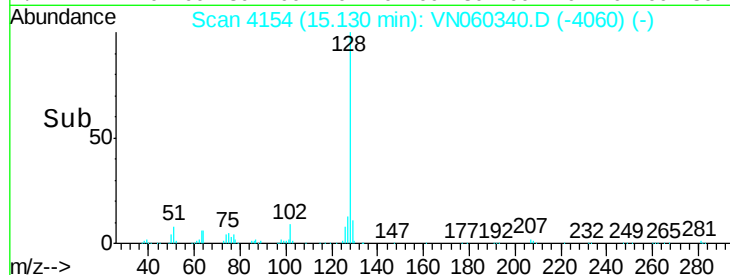
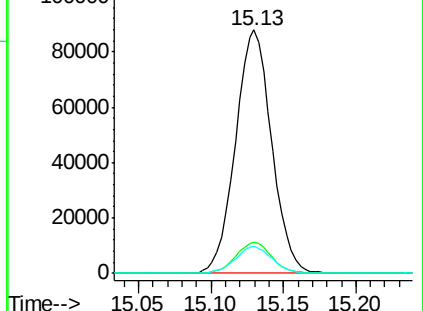
129 11.2 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 18.089 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. 0.00 min

Lab File: VN060340.D

Acq: 4 Mar 2020 11:25

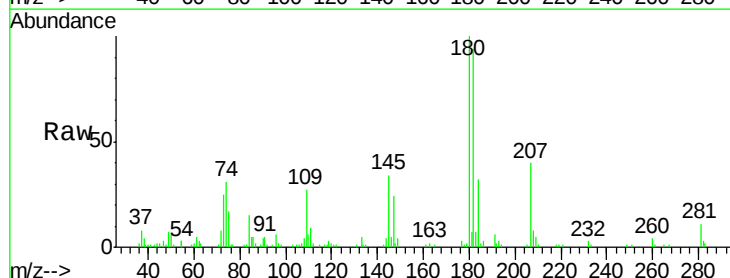
Tgt Ion:180 Resp: 51338

Ion Ratio Lower Upper

180 100

182 94.1 47.3 142.0

145 32.9 16.2 48.5



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

