

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN030920\
 Data File : VN060393.D
 Acq On : 9 Mar 2020 11:14
 Operator : JC/MD
 Sample : VN0309WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0309WBS01

Quant Time: Mar 09 13:02:05 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	207012	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	335960	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	311928	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	147013	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	127614	48.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.10%	
35) Dibromofluoromethane	7.56	113	95951	61.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	123.06%	
50) Toluene-d8	10.08	98	371860	47.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.24%	
62) 4-Bromofluorobenzene	12.40	95	139846	46.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.48%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.83	85	32125	16.93	ug/l	99
3) Chloromethane	2.04	50	56240	17.02	ug/l	98
4) Vinyl Chloride	2.16	62	46673	16.47	ug/l	98
5) Bromomethane	2.55	94	19034	15.00	ug/l	99
6) Chloroethane	2.68	64	26026	16.95	ug/l	94
7) Trichlorofluoromethane	3.00	101	63261	17.47	ug/l	97
8) Diethyl Ether	3.38	74	25302	18.51	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	37766	18.43	ug/l	100
10) Methyl Iodide	3.93	142	31345	16.76	ug/l	99
11) Tert butyl alcohol	4.73	59	38391	97.34	ug/l	98
12) 1,1-Dichloroethene	3.71	96	36812	18.46	ug/l	99
13) Acrolein	3.58	56	30322	82.41	ug/l	99
14) Allyl chloride	4.29	41	67998	18.54	ug/l	97
15) Acrylonitrile	4.94	53	100581	96.76	ug/l	99
16) Acetone	3.78	43	79950	93.21	ug/l	99
17) Carbon Disulfide	4.03	76	90037	16.59	ug/l	99
18) Methyl Acetate	4.29	43	52288	18.27	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	136121	18.85	ug/l	99
20) Methylene Chloride	4.52	84	42245	17.93	ug/l	99
21) trans-1,2-Dichloroethene	5.00	96	38837	17.90	ug/l	98
22) Diisopropyl ether	5.91	45	145715	19.62	ug/l	96
23) Vinyl Acetate	5.86	43	568405	96.30	ug/l	99
24) 1,1-Dichloroethane	5.82	63	80984	19.26	ug/l	100
25) 2-Butanone	6.80	43	134593	97.15	ug/l	98
26) 2,2-Dichloropropane	6.79	77	72303	18.89	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	47581	17.42	ug/l	98
28) Bromochloromethane	7.17	49	33153	19.20	ug/l	96
29) Tetrahydrofuran	7.18	42	91174	94.64	ug/l	100
30) Chloroform	7.35	83	80879	19.32	ug/l	100
31) Cyclohexane	7.63	56	70532	18.82	ug/l	95
32) 1,1,1-Trichloroethane	7.54	97	70086	18.90	ug/l	100
36) 1,1-Dichloropropene	7.77	75	58416	18.24	ug/l	99
37) Ethyl Acetate	6.89	43	59542	19.64	ug/l	99
38) Carbon Tetrachloride	7.75	117	57350	18.40	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	66324	17.57	ug/l	99
40) Benzene	8.02	78	175259	18.81	ug/l	98
41) Methacrylonitrile	7.18	41	84077	60.06	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	64494	19.18	ug/l	99
43) Isopropyl Acetate	8.14	43	102802	19.37	ug/l	99
44) Trichloroethene	8.82	130	48067	18.52	ug/l	100
45) 1,2-Dichloropropane	9.10	63	47928	19.67	ug/l	97
46) Dibromomethane	9.19	93	29410	18.60	ug/l	98
47) Bromodichloromethane	9.38	83	62193	19.34	ug/l	99
48) Methyl methacrylate	9.18	41	44722	18.48	ug/l	97
49) 1,4-Dioxane	9.18	88	14201	417.23	ug/l	96
51) 4-Methyl-2-Pentanone	9.97	43	294473	97.85	ug/l	100
52) Toluene	10.14	92	107184	18.31	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	72589	18.42	ug/l	98
54) cis-1,3-Dichloropropene	9.82	75	78778	19.30	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	44298	18.82	ug/l	98
56) Ethyl methacrylate	10.42	69	63898	18.89	ug/l	97
57) 1,3-Dichloropropane	10.70	76	75263	19.60	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.68	63	165470	93.55	ug/l	98
59) 2-Hexanone	10.74	43	210974	95.48	ug/l	100
60) Dibromochloromethane	10.89	129	46117	19.26	ug/l	100
61) 1,2-Dibromoethane	10.99	107	43035	18.75	ug/l	98
64) Tetrachloroethene	10.62	164	51160	19.98	ug/l	98
65) Chlorobenzene	11.43	112	114603	18.19	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.50	131	44095	18.93	ug/l	99
67) Ethyl Benzene	11.50	91	211521	18.44	ug/l	99
68) m/p-Xylenes	11.62	106	156035	36.06	ug/l	99
69) o-Xylene	11.94	106	75079	18.19	ug/l	100
70) Styrene	11.96	104	119548	17.62	ug/l	98
71) Bromoform	12.12	173	31000	18.47	ug/l #	100
73) Isopropylbenzene	12.24	105	204900	18.80	ug/l	99
74) N-amyl acetate	12.06	43	87000	18.27	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	57611	19.45	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	81734	25.34	ug/l #	100
77) Bromobenzene	12.52	156	48501	18.16	ug/l	97
78) n-propylbenzene	12.59	91	236392	18.51	ug/l	99
79) 2-Chlorotoluene	12.67	91	140903	18.77	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	173124	18.87	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.29	75	21909	18.75	ug/l #	85
82) 4-Chlorotoluene	12.77	91	144633	18.28	ug/l	98
83) tert-Butylbenzene	12.99	119	144343	18.17	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	171167	18.48	ug/l	100
85) sec-Butylbenzene	13.17	105	196113	18.44	ug/l	100
86) p-Isopropyltoluene	13.28	119	176091	17.89	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	87421	18.93	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	85899	18.61	ug/l	99
89) n-Butylbenzene	13.61	91	156604	17.33	ug/l	100
90) Hexachloroethane	13.87	117	24041	16.87	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	83971	17.94	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.26	75	12443	18.55	ug/l	95

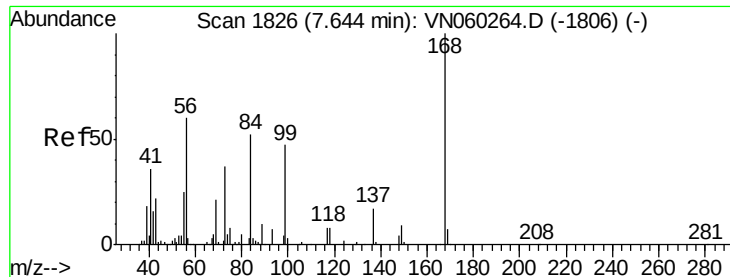
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QLast Update : Thu Feb 27 13:52:50 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	52647	17.76	ug/l	99
94) Hexachlorobutadiene	15.01	225	26650	19.14	ug/l	98
95) Naphthalene	15.13	128	151205	17.08	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	50193	17.80	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060393.D

Acq: 9 Mar 2020 11:14

Instrument :

MSVOA_N

ClientSampleId :

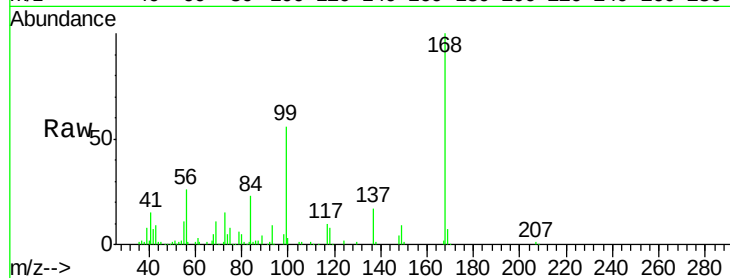
VN0309WBS01

Tgt Ion:168 Resp: 207012

Ion Ratio Lower Upper

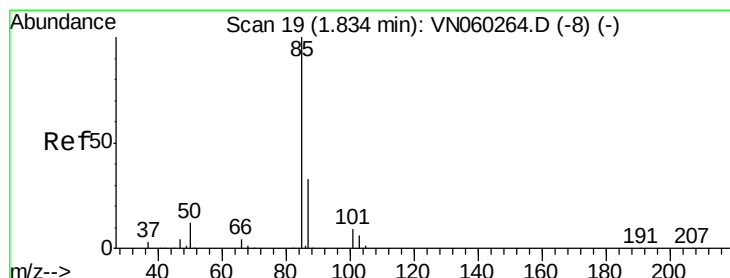
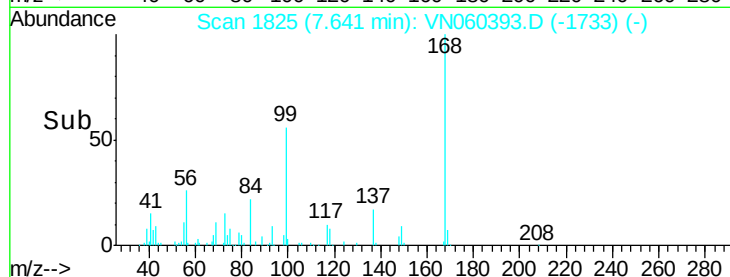
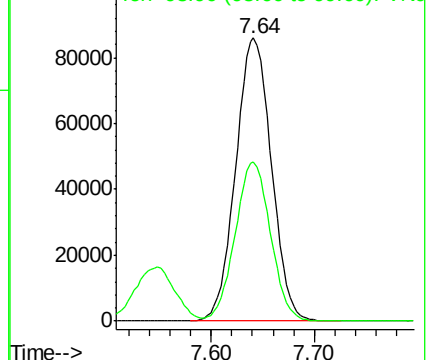
168 100

99 56.2 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 16.93 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060393.D

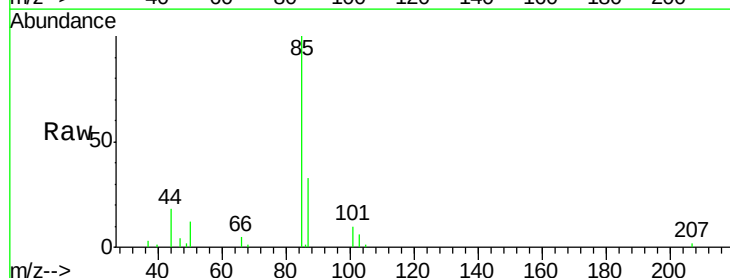
Acq: 9 Mar 2020 11:14

Tgt Ion: 85 Resp: 32125

Ion Ratio Lower Upper

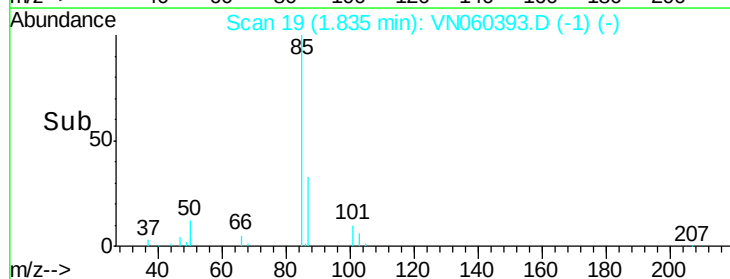
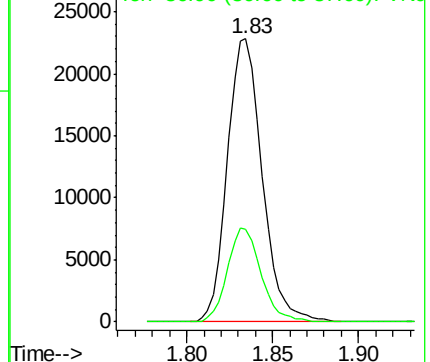
85 100

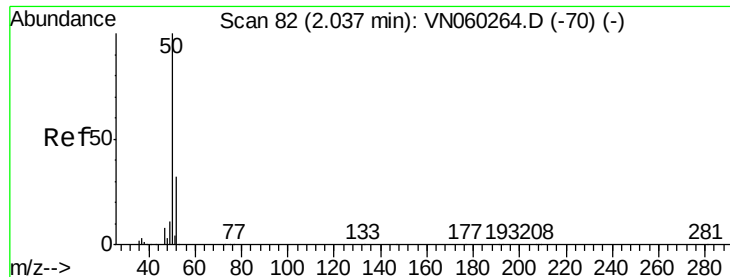
87 33.0 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 17.02 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060393.D

Acq: 9 Mar 2020 11:14

Instrument :

MSVOA_N

ClientSampleId :

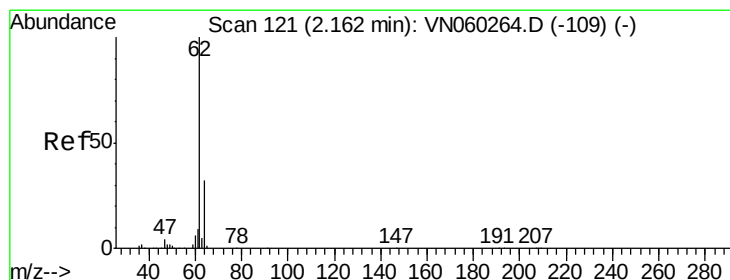
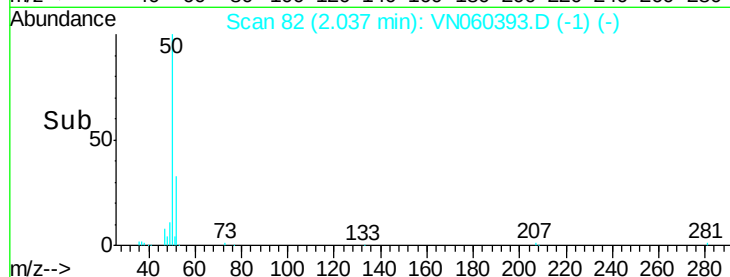
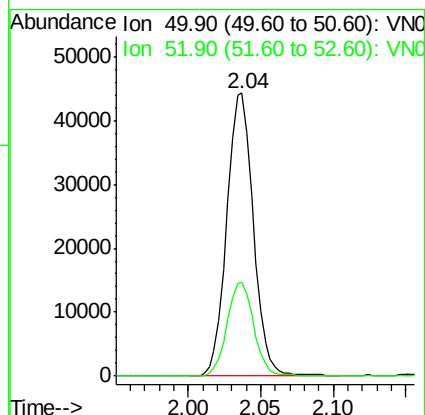
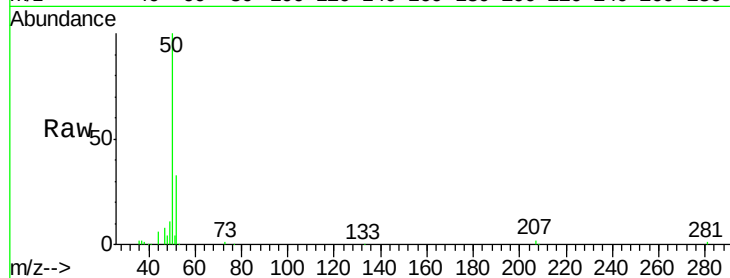
VN0309WBS01

Tgt Ion: 50 Resp: 56240

Ion Ratio Lower Upper

50 100

52 33.2 25.6 38.4



#4

Vinyl Chloride

Concen: 16.47 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN060393.D

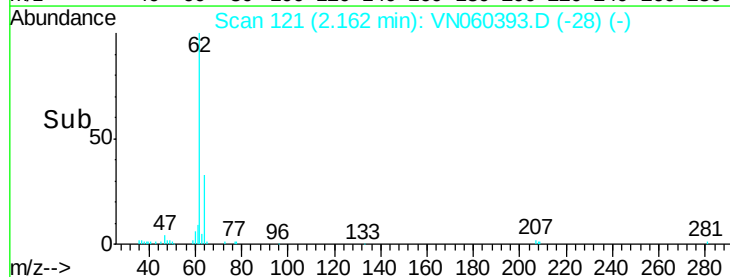
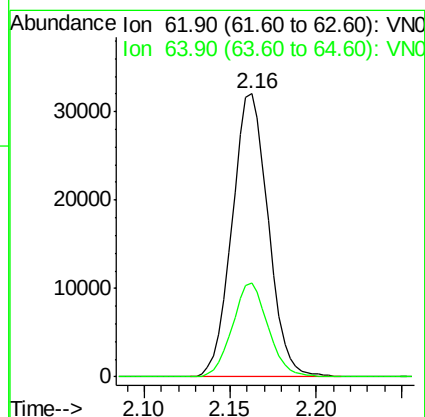
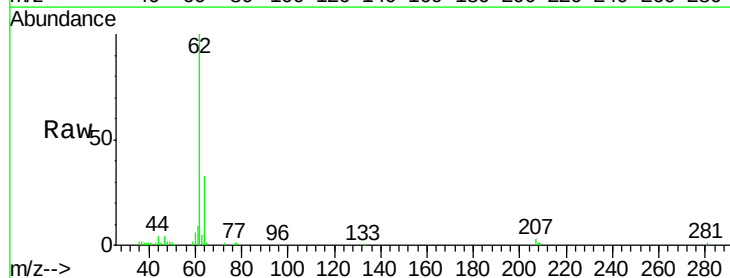
Acq: 9 Mar 2020 11:14

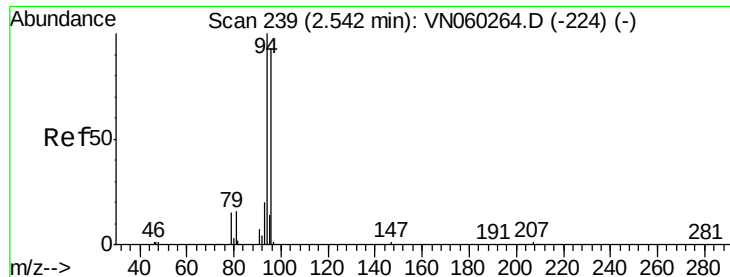
Tgt Ion: 62 Resp: 46673

Ion Ratio Lower Upper

62 100

64 33.1 25.5 38.3





#5

Bromomethane

Concen: 15.00 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VN060393.D

Acq: 9 Mar 2020 11:14

Instrument :

MSVOA_N

ClientSampleId :

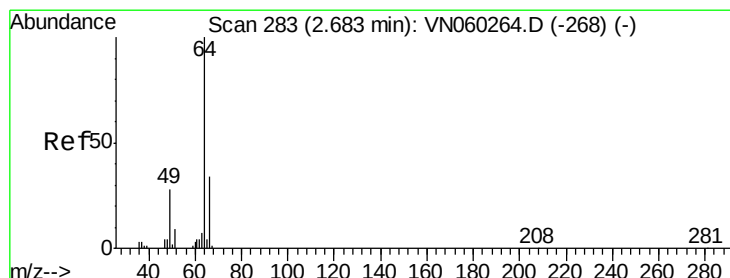
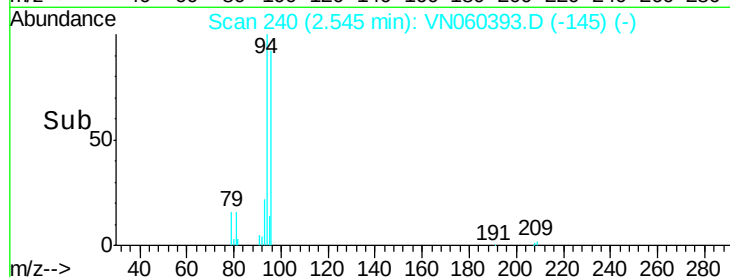
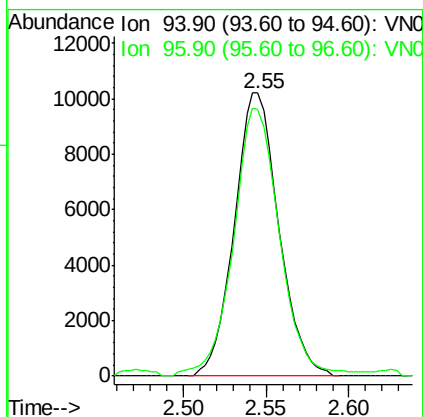
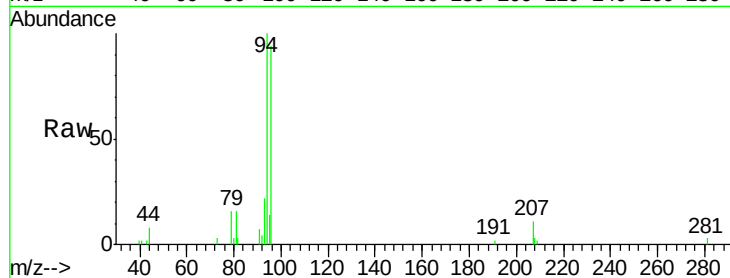
VN0309WBS01

Tgt Ion: 94 Resp: 19034

Ion Ratio Lower Upper

94 100

96 92.1 74.3 111.5



#6

Chloroethane

Concen: 16.95 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN060393.D

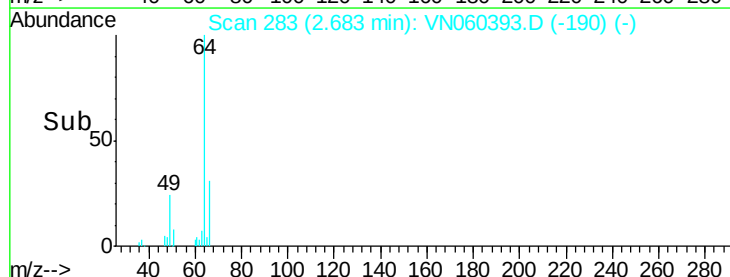
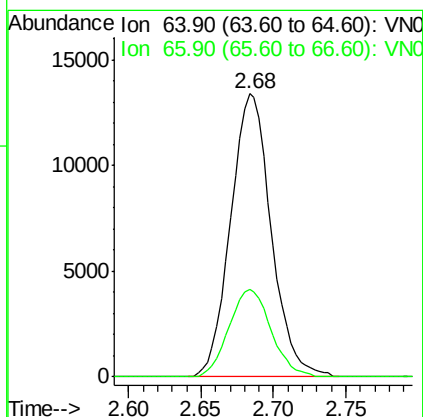
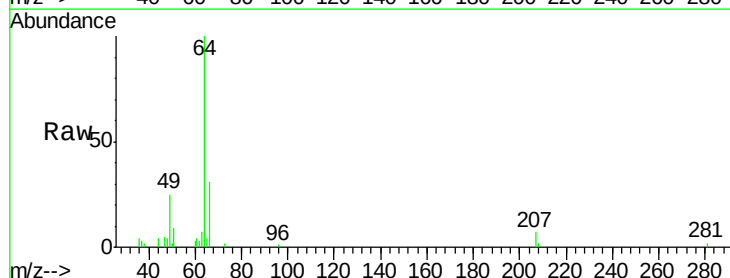
Acq: 9 Mar 2020 11:14

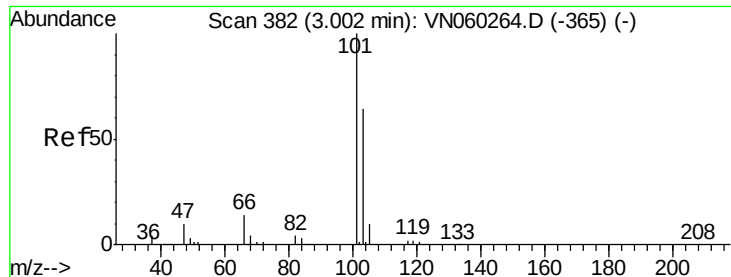
Tgt Ion: 64 Resp: 26026

Ion Ratio Lower Upper

64 100

66 31.1 27.4 41.2





#7

Trichlorofluoromethane

Concen: 17.47 ug/l

RT: 3.00 min Scan# 382

Delta R.T. 0.00 min

Lab File: VN060393.D

Acq: 9 Mar 2020 11:14

Instrument :

MSVOA_N

ClientSampleId :

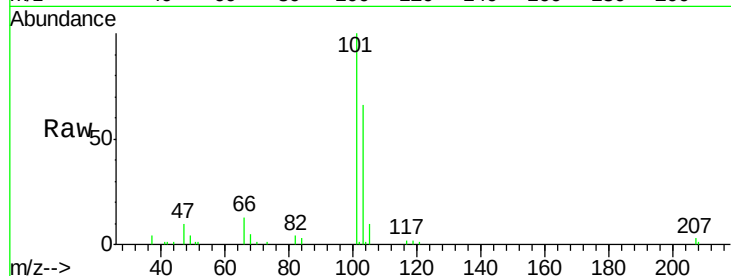
VN0309WBS01

Tgt Ion:101 Resp: 63261

Ion Ratio Lower Upper

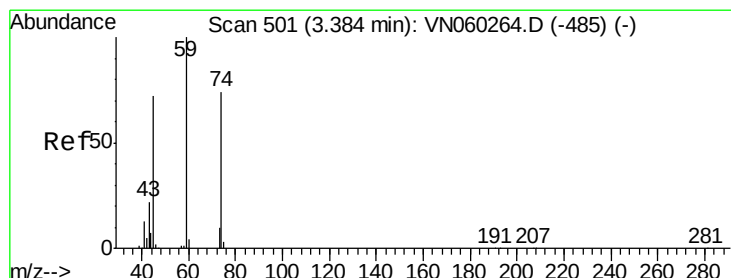
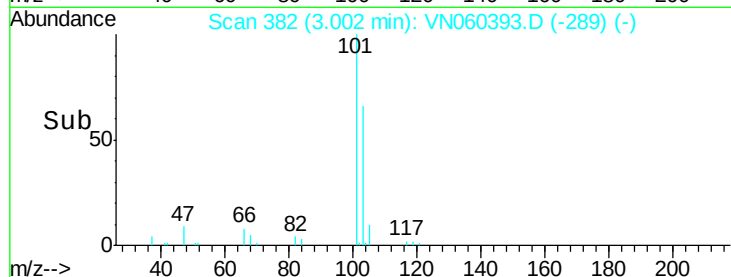
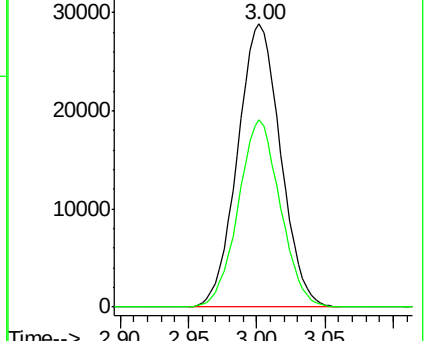
101 100

103 66.1 51.3 76.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 18.51 ug/l

RT: 3.38 min Scan# 501

Delta R.T. 0.00 min

Lab File: VN060393.D

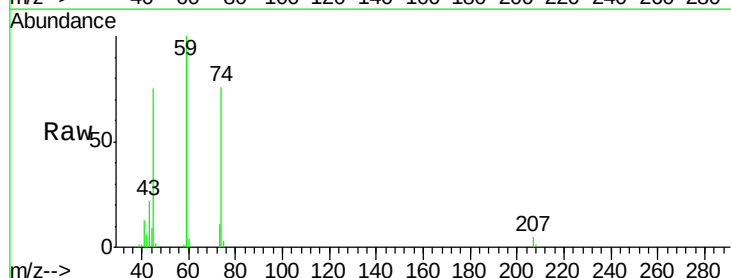
Acq: 9 Mar 2020 11:14

Tgt Ion: 74 Resp: 25302

Ion Ratio Lower Upper

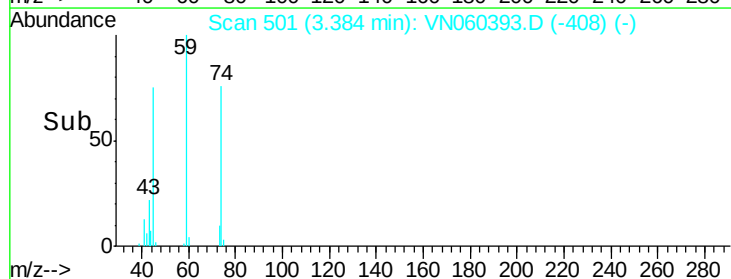
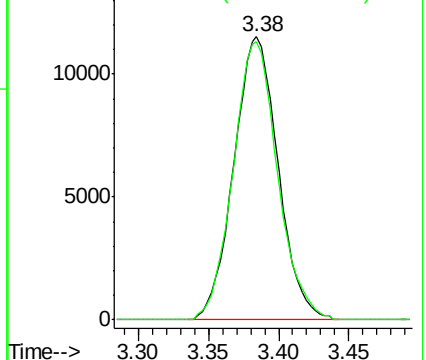
74 100

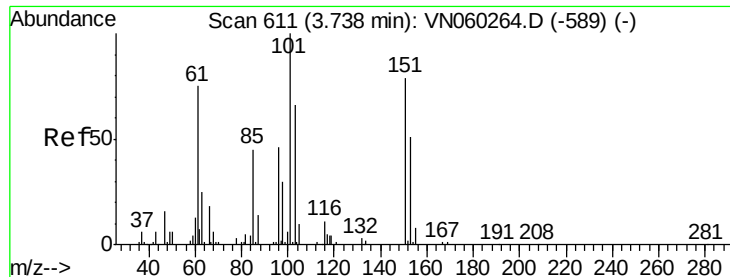
45 98.6 49.5 148.7



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.43 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN060393.D

Acq: 9 Mar 2020 11:14

Instrument :

MSVOA_N

ClientSampleId :

VN0309WBS01

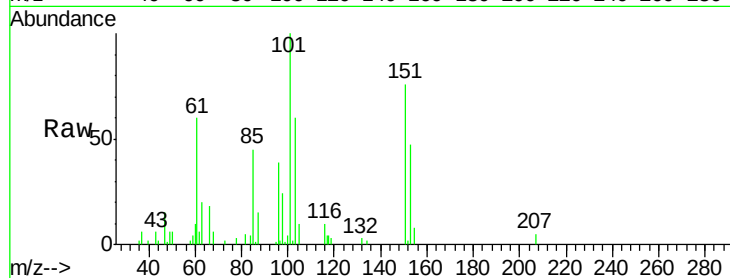
Tgt Ion:101 Resp: 37766

Ion Ratio Lower Upper

101 100

85 44.3 35.4 53.2

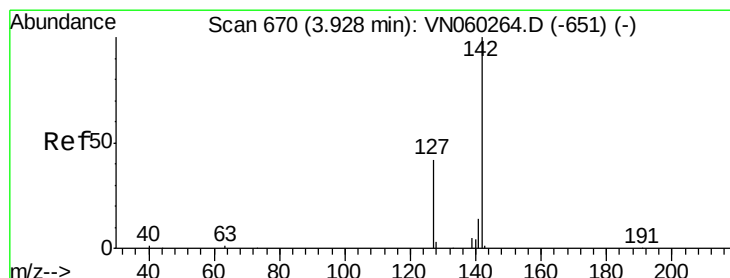
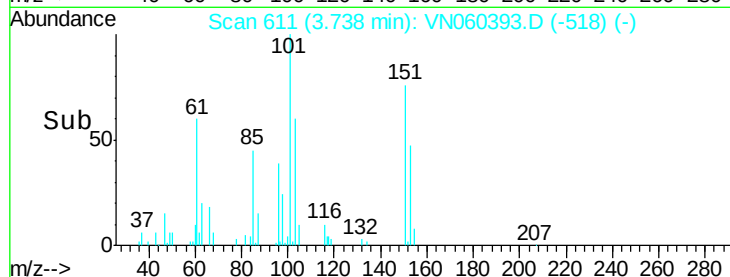
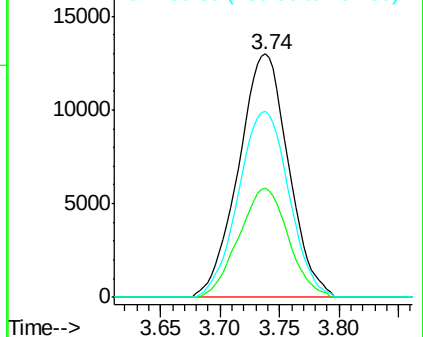
151 77.4 62.0 93.0



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: 16.76 ug/l

RT: 3.93 min Scan# 670

Delta R.T. 0.00 min

Lab File: VN060393.D

Acq: 9 Mar 2020 11:14

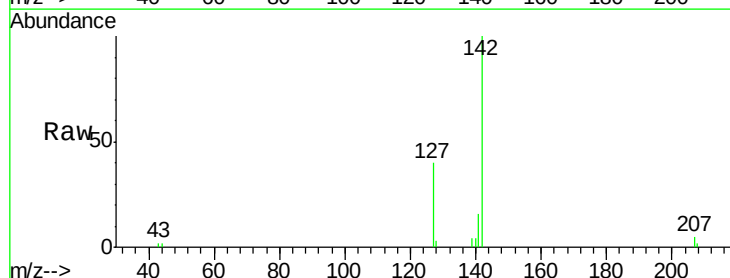
Tgt Ion:142 Resp: 31345

Ion Ratio Lower Upper

142 100

127 42.9 33.8 50.6

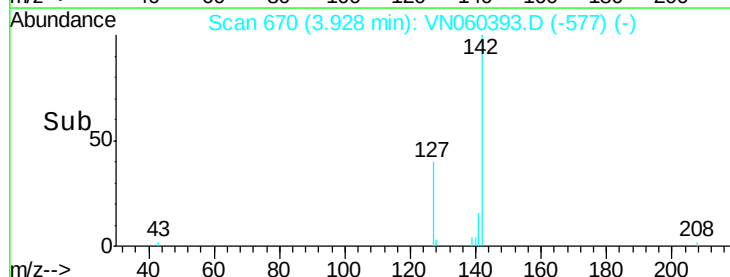
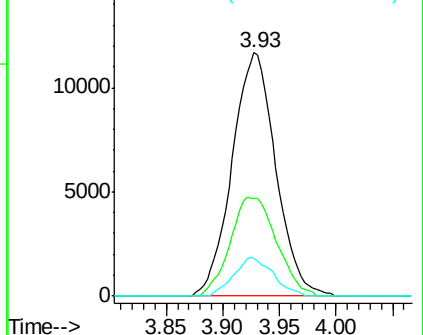
141 14.3 11.1 16.7

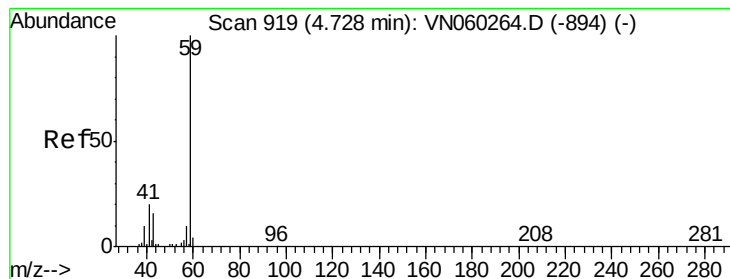


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 97.34 ug/l

RT: 4.73 min Scan# 918

Delta R.T. -0.00 min

Lab File: VN060393.D

Acq: 9 Mar 2020 11:14

Instrument :

MSVOA_N

ClientSampleId :

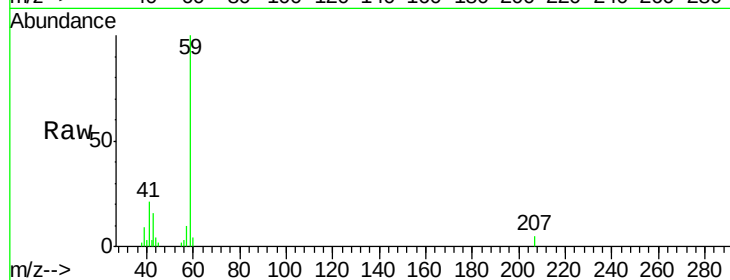
VN0309WBS01

Tgt Ion: 59 Resp: 38391

Ion Ratio Lower Upper

59 100

57 9.4 8.2 12.2



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

4.73

12000

10000

8000

6000

4000

2000

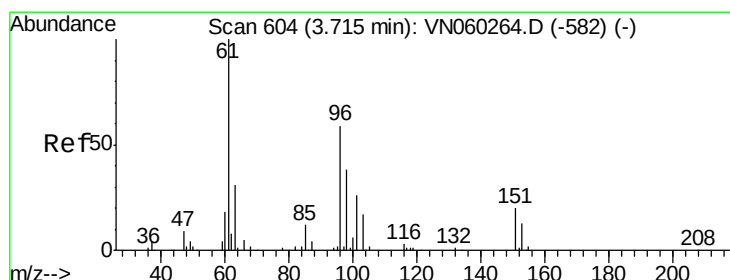
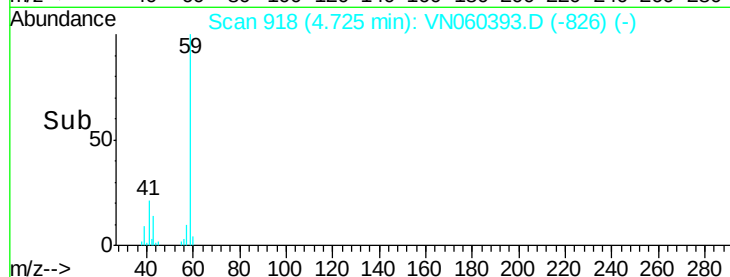
0

Time-->

4.60

4.70

4.80



#12

1,1-Dichloroethene

Concen: 18.46 ug/l

RT: 3.71 min Scan# 603

Delta R.T. -0.00 min

Lab File: VN060393.D

Acq: 9 Mar 2020 11:14

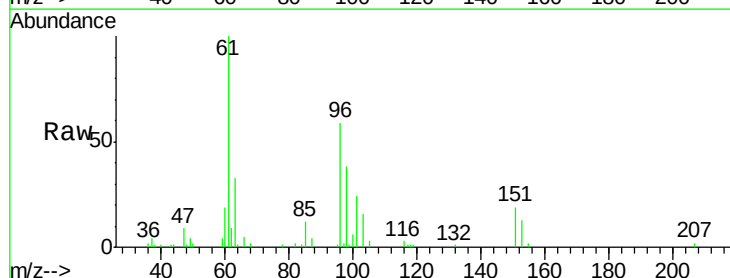
Tgt Ion: 96 Resp: 36812

Ion Ratio Lower Upper

96 100

61 168.3 135.4 203.0

98 64.3 51.6 77.4



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

30000

25000

20000

15000

10000

5000

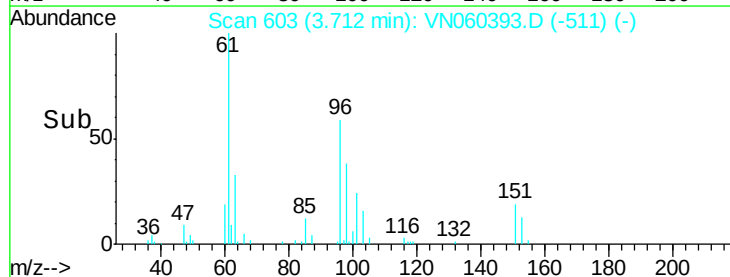
0

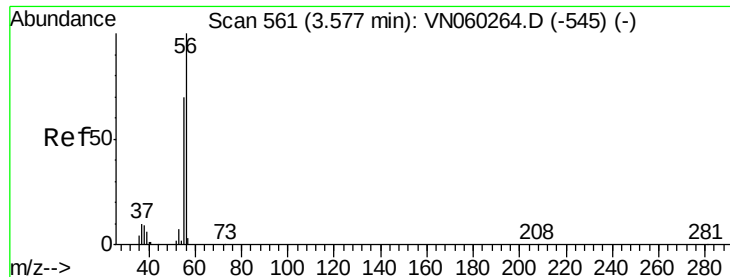
Time-->

3.60

3.70

3.80





#13

Acrolein

Concen: 82.41 ug/l

RT: 3.58 min Scan# 561

Delta R.T. 0.00 min

Lab File: VN060393.D

Acq: 9 Mar 2020 11:14

Instrument :

MSVOA_N

ClientSampleId :

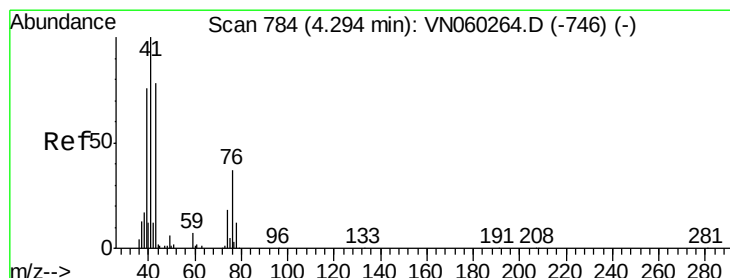
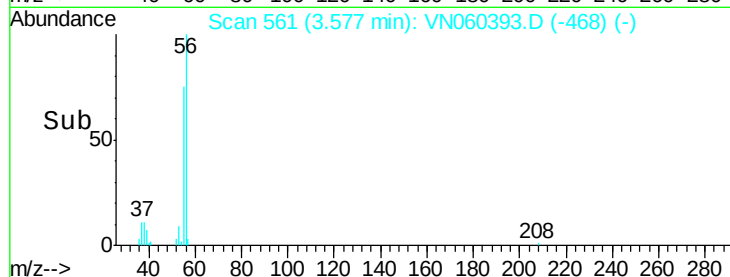
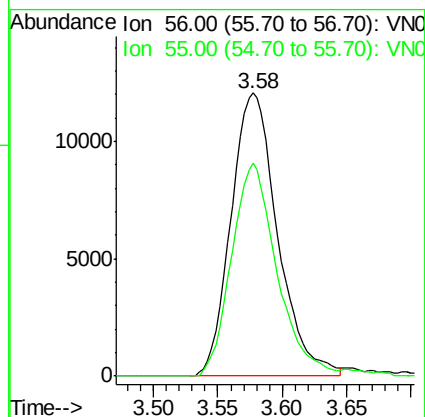
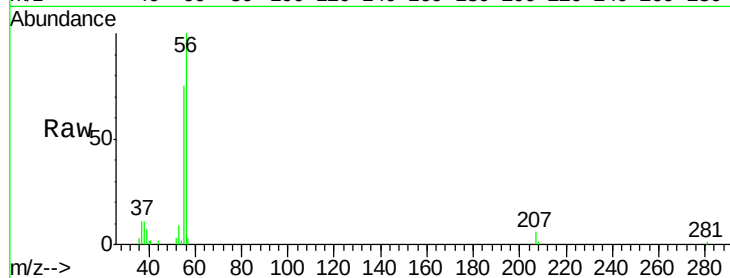
VN0309WBS01

Tgt Ion: 56 Resp: 30322

Ion Ratio Lower Upper

56 100

55 72.8 57.4 86.0



#14

Allyl chloride

Concen: 18.54 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.00 min

Lab File: VN060393.D

Acq: 9 Mar 2020 11:14

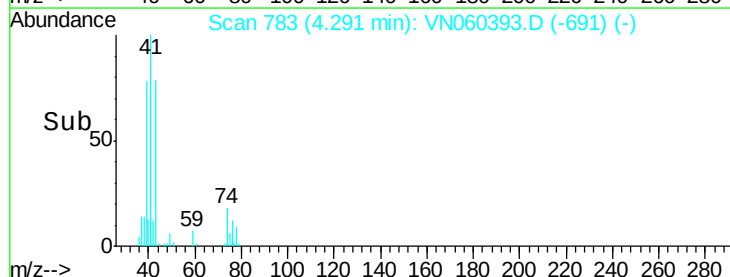
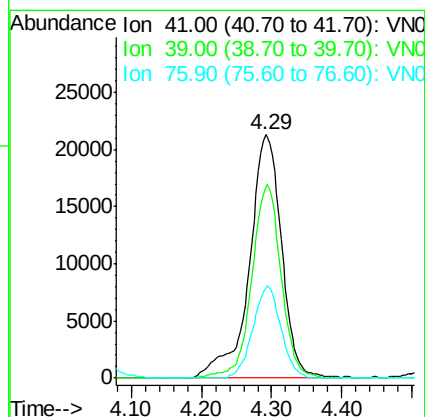
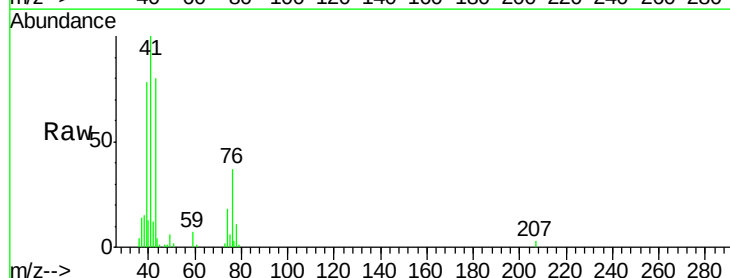
Tgt Ion: 41 Resp: 67998

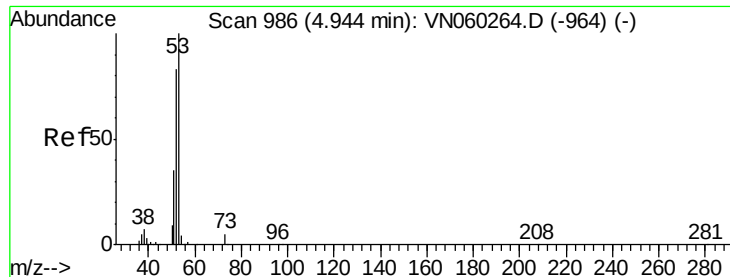
Ion Ratio Lower Upper

41 100

39 71.9 55.4 83.2

76 32.7 27.0 40.6





#15

Acrylonitrile

Concen: 96.76 ug/l

RT: 4.94 min Scan# 986

Delta R.T. 0.00 min

Lab File: VN060393.D

Acq: 9 Mar 2020 11:14

Instrument :

MSVOA_N

ClientSampleId :

VN0309WBS01

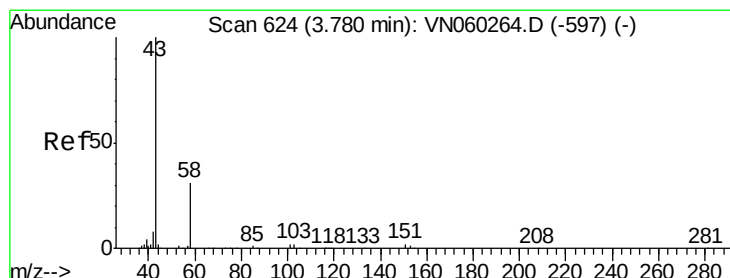
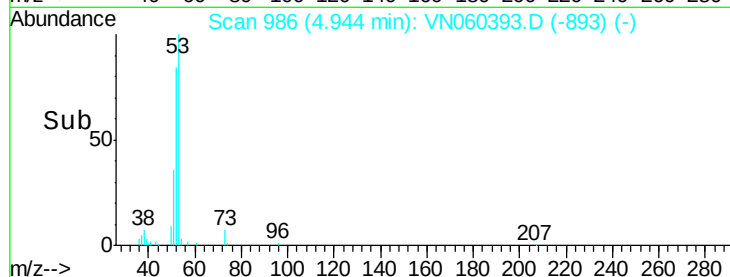
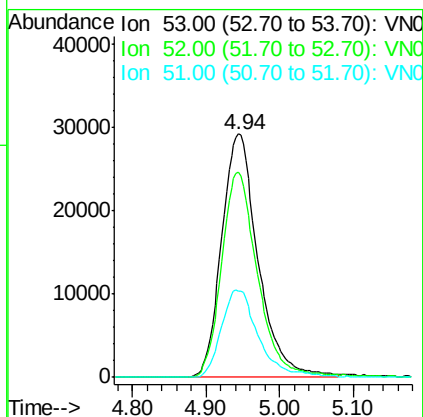
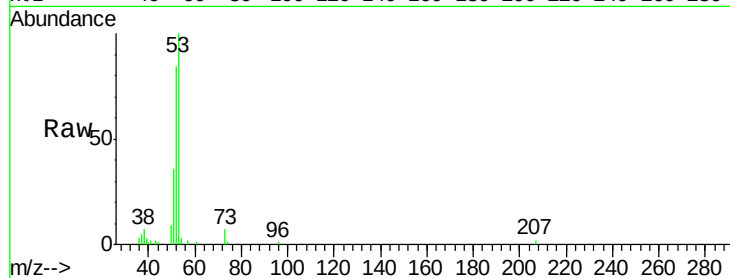
Tgt Ion: 53 Resp: 100581

Ion Ratio Lower Upper

53 100

52 83.2 66.8 100.2

51 35.4 29.0 43.6



#16

Acetone

Concen: 93.21 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.00 min

Lab File: VN060393.D

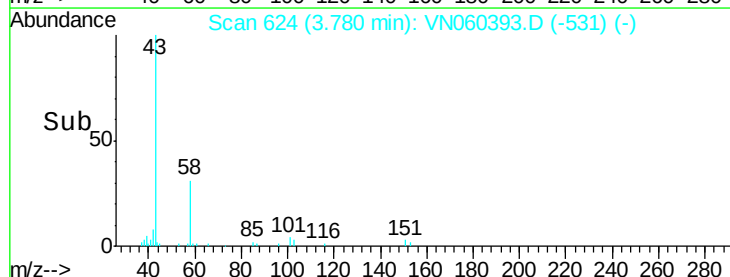
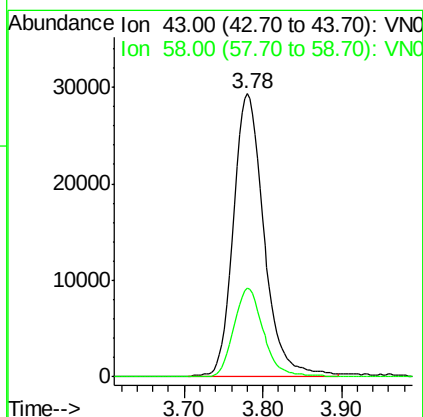
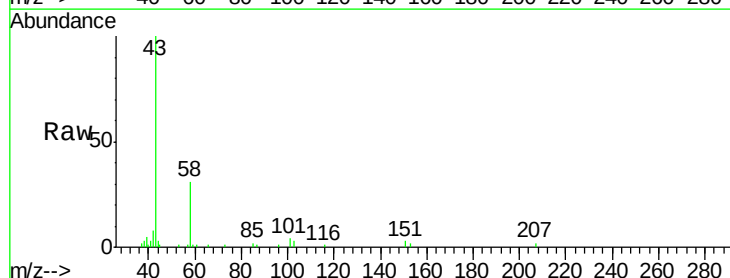
Acq: 9 Mar 2020 11:14

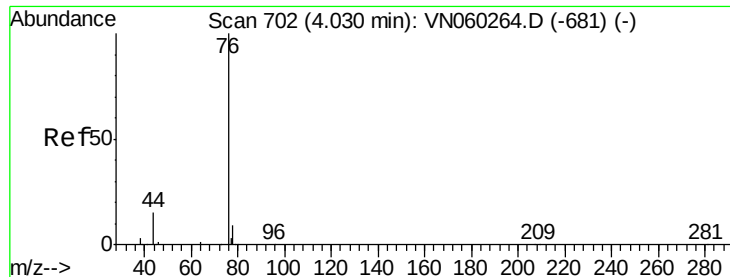
Tgt Ion: 43 Resp: 79950

Ion Ratio Lower Upper

43 100

58 31.4 24.6 36.8

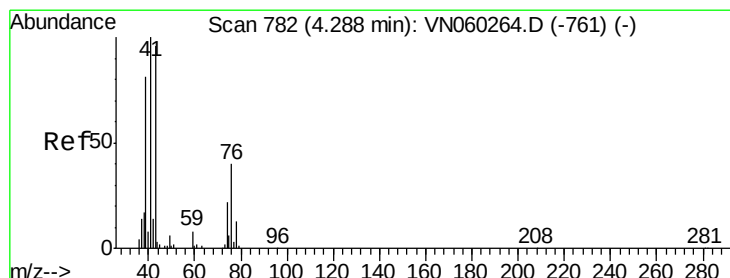
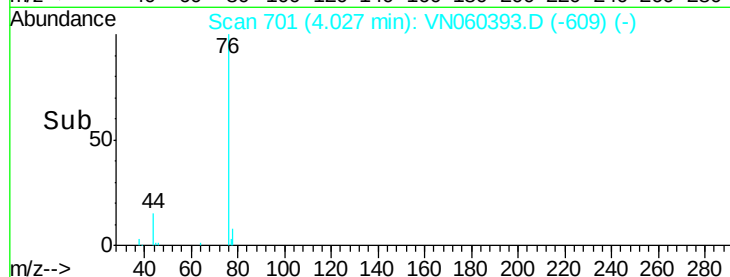
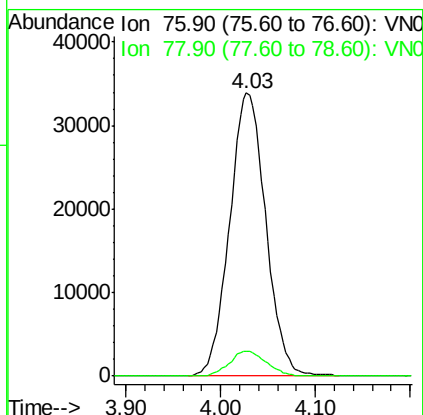
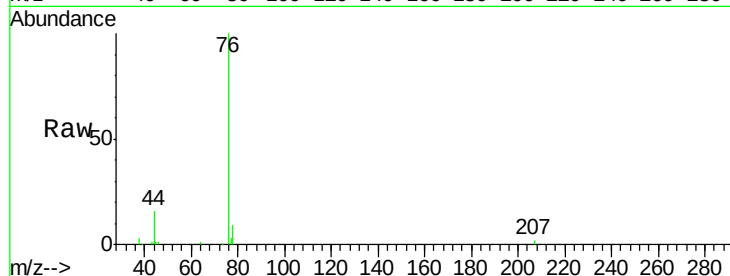




#17
Carbon Disulfide
Concen: 16.59 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN060393.D
Acq: 9 Mar 2020 11:14

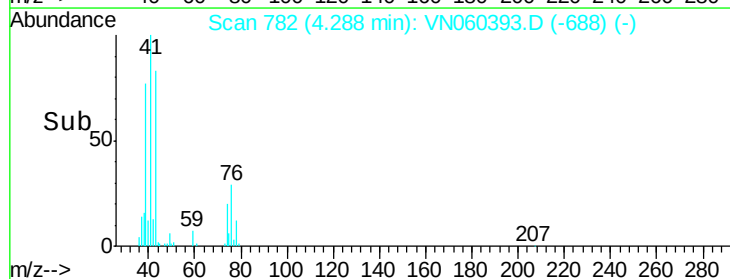
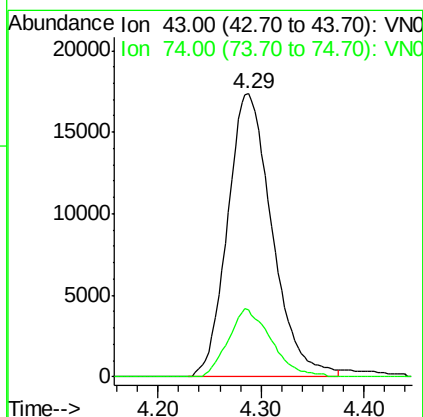
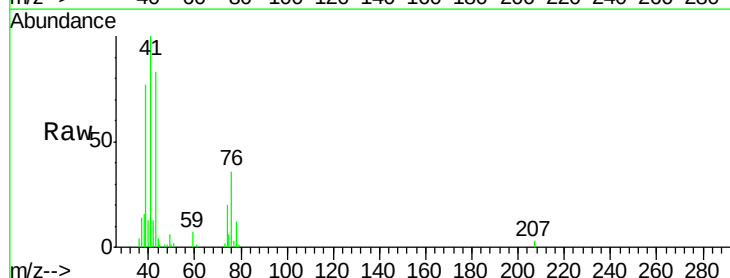
Instrument :
MSVOA_N
ClientSampleId :
VN0309WBS01

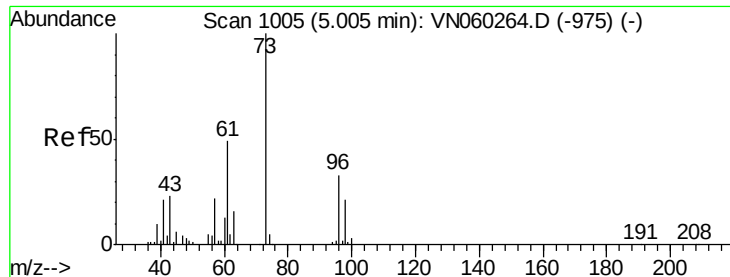
Tgt Ion: 76 Resp: 90037
Ion Ratio Lower Upper
76 100
78 8.9 7.4 11.0



#18
Methyl Acetate
Concen: 18.27 ug/l
RT: 4.29 min Scan# 782
Delta R.T. 0.00 min
Lab File: VN060393.D
Acq: 9 Mar 2020 11:14

Tgt Ion: 43 Resp: 52288
Ion Ratio Lower Upper
43 100
74 23.3 18.8 28.2

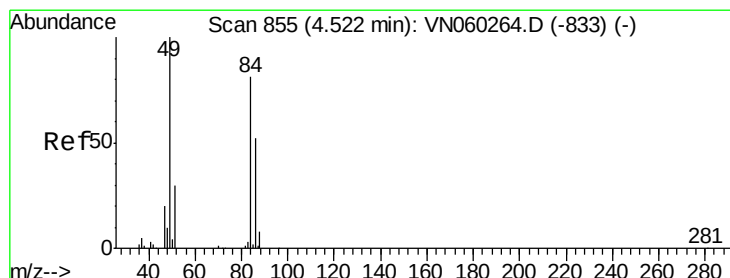
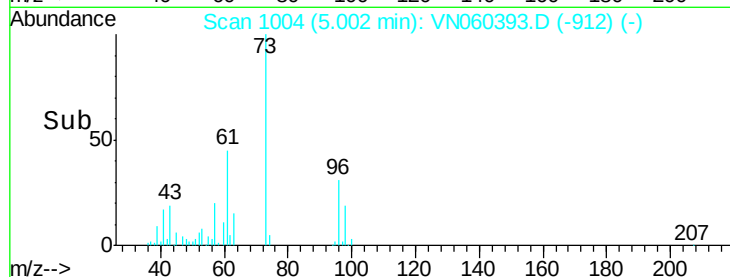
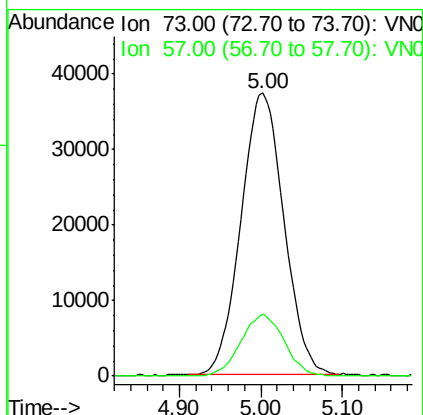
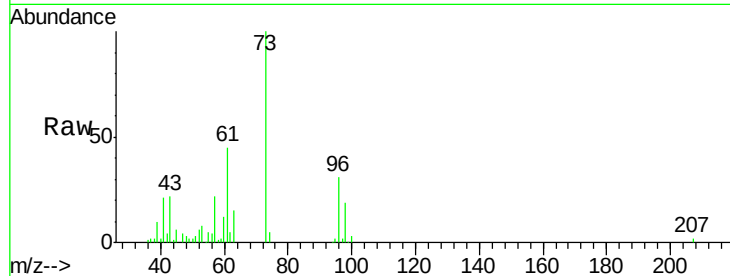




#19
Methyl tert-butyl Ether
Concen: 18.85 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN060393.D
Acq: 9 Mar 2020 11:14

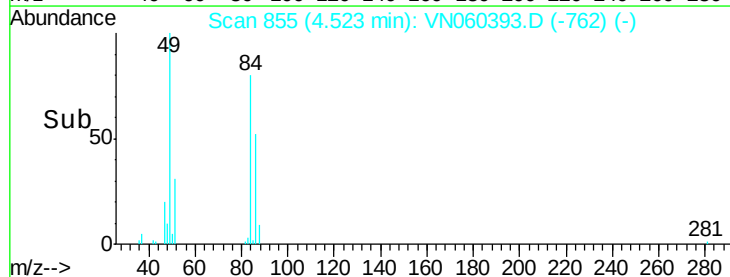
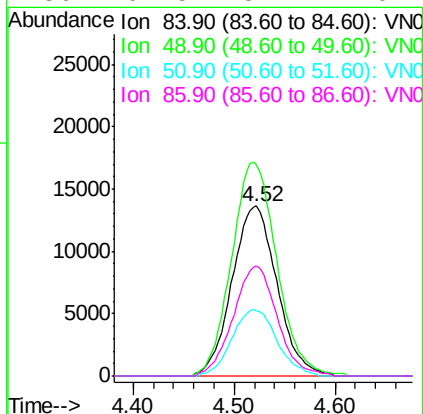
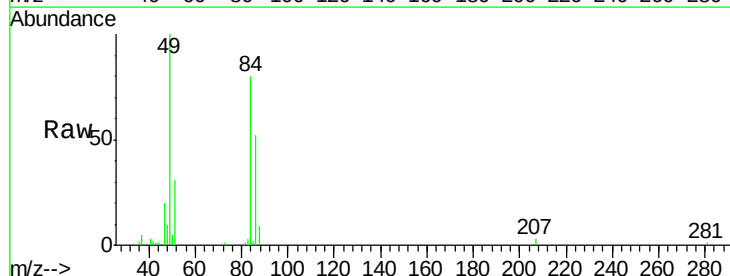
Instrument :
MSVOA_N
ClientSampleId :
VN0309WBS01

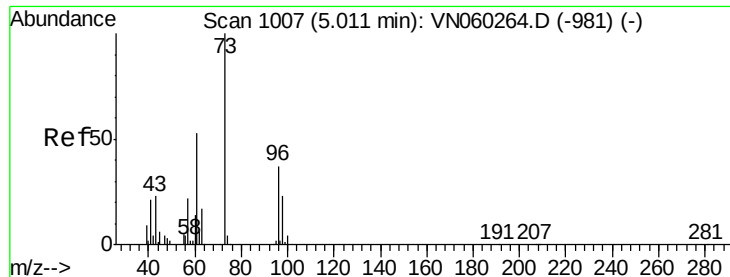
Tgt Ion: 73 Resp: 136121
Ion Ratio Lower Upper
73 100
57 21.9 17.3 25.9



#20
Methylene Chloride
Concen: 17.93 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN060393.D
Acq: 9 Mar 2020 11:14

Tgt Ion: 84 Resp: 42245
Ion Ratio Lower Upper
84 100
49 124.4 99.3 148.9
51 38.3 30.1 45.1
86 64.5 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 17.90 ug/l

RT: 5.00 min Scan# 1005

Delta R.T. -0.01 min

Lab File: VN060393.D

Acq: 9 Mar 2020 11:14

Instrument :

MSVOA_N

ClientSampleId :

VN0309WBS01

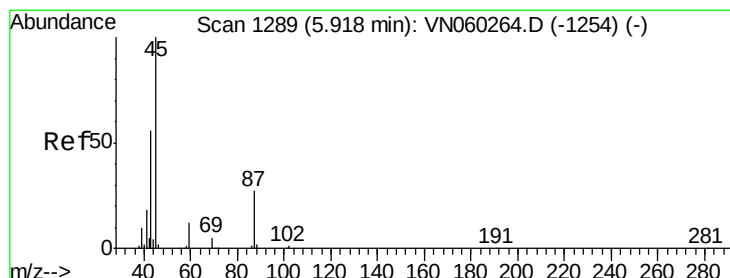
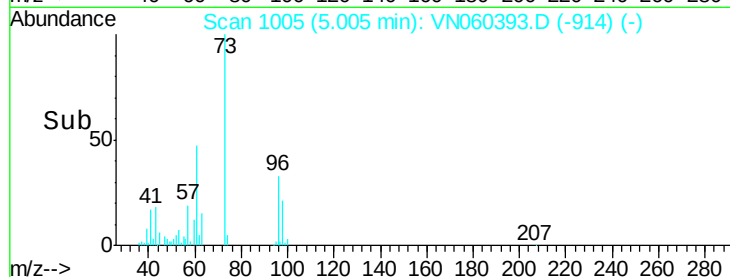
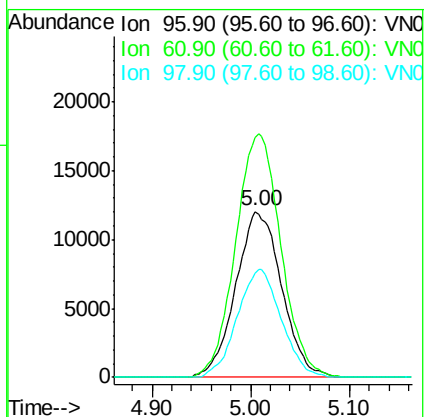
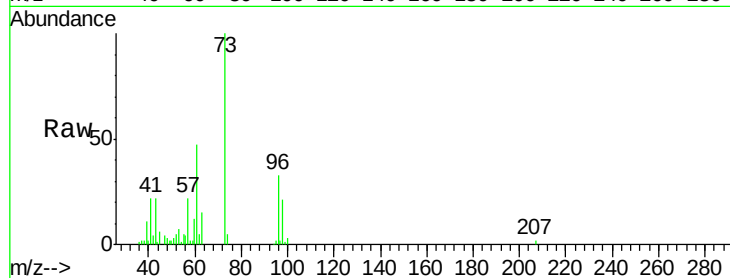
Tgt Ion: 96 Resp: 38837

Ion Ratio Lower Upper

96 100

61 144.4 113.8 170.8

98 63.0 48.8 73.2



#22

Diisopropyl ether

Concen: 19.62 ug/l

RT: 5.91 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VN060393.D

Acq: 9 Mar 2020 11:14

Tgt Ion: 45 Resp: 145715

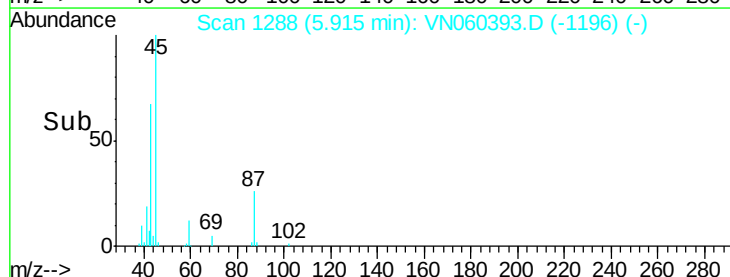
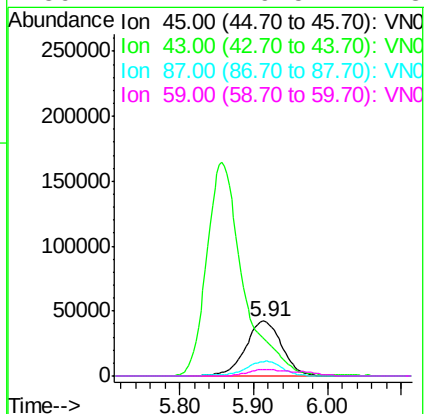
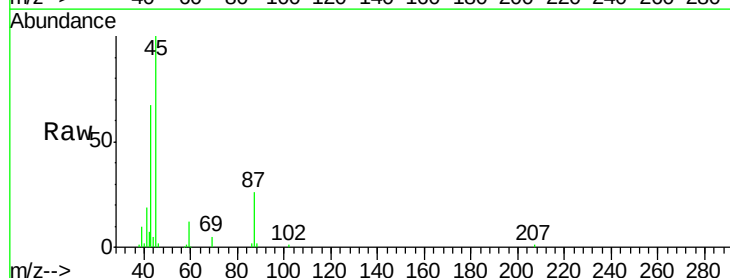
Ion Ratio Lower Upper

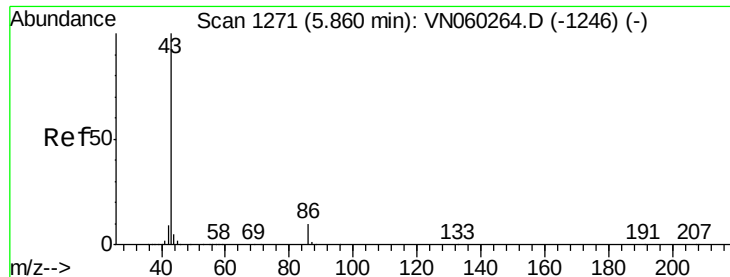
45 100

43 65.3 48.6 72.8

87 26.4 22.2 33.2

59 12.2 9.5 14.3





#23

Vinyl Acetate

Concen: 96.30 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN060393.D

Acq: 9 Mar 2020 11:14

Instrument :

MSVOA_N

ClientSampleId :

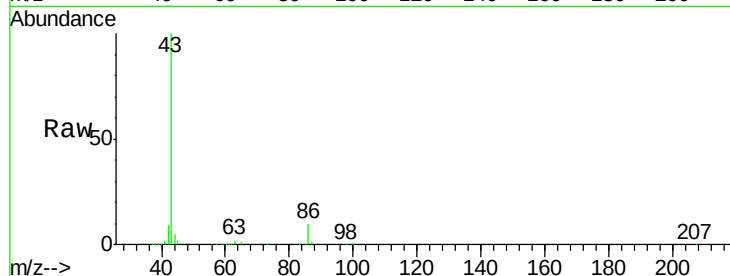
VN0309WBS01

Tgt Ion: 43 Resp: 568405

Ion Ratio Lower Upper

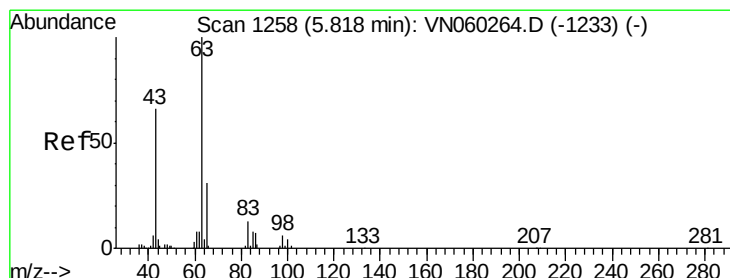
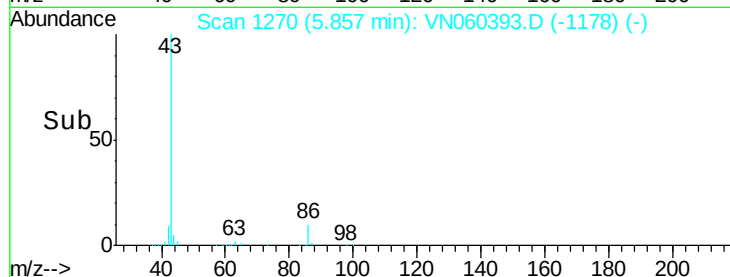
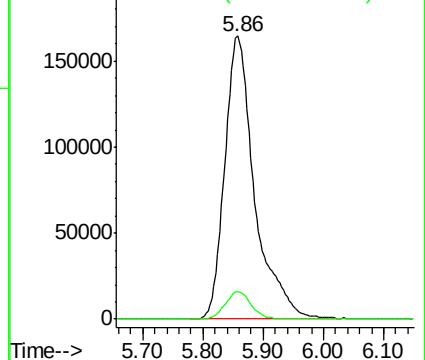
43 100

86 9.6 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: 19.26 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN060393.D

Acq: 9 Mar 2020 11:14

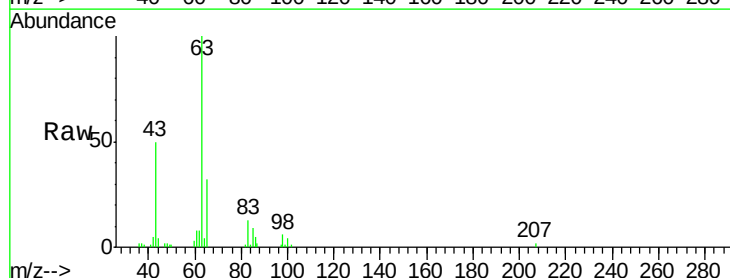
Tgt Ion: 63 Resp: 80984

Ion Ratio Lower Upper

63 100

98 6.1 3.0 9.0

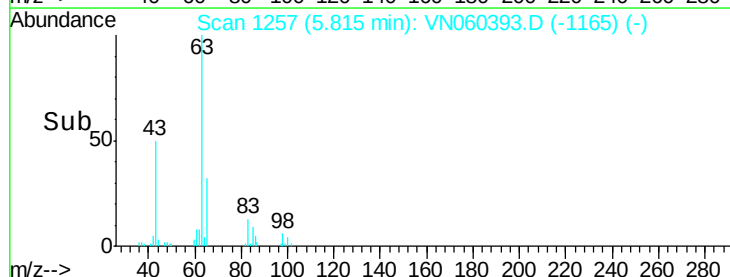
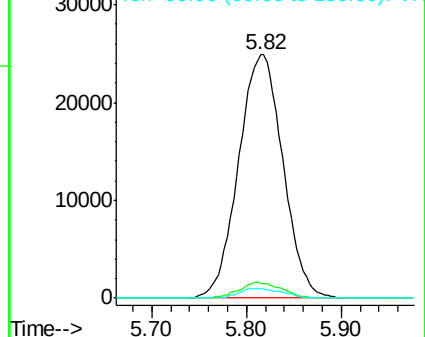
100 3.8 2.0 6.0

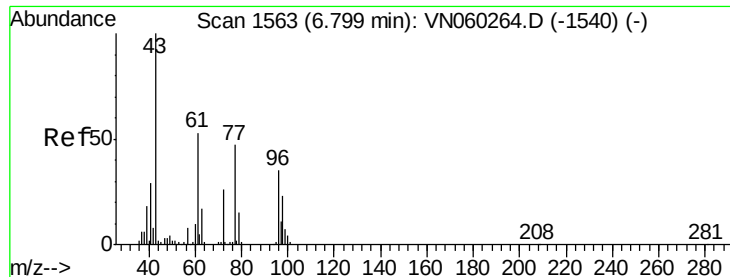


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

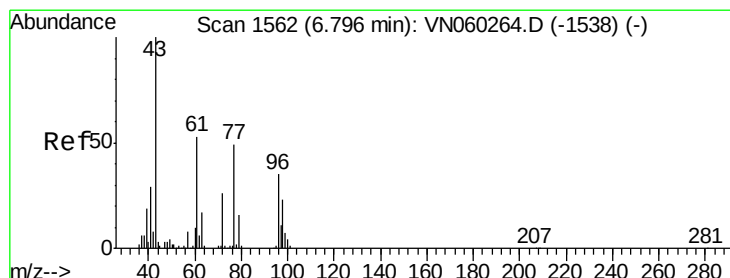
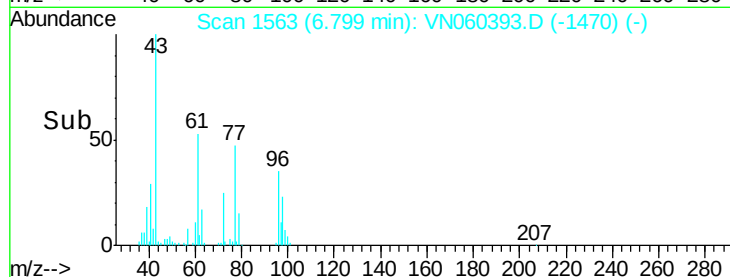
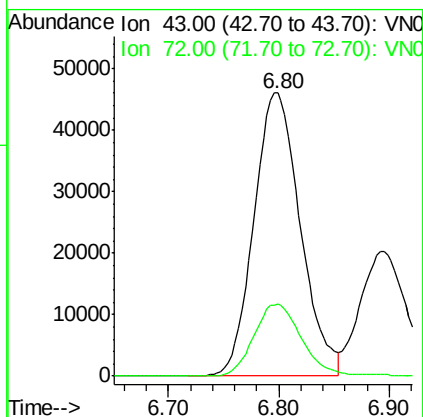
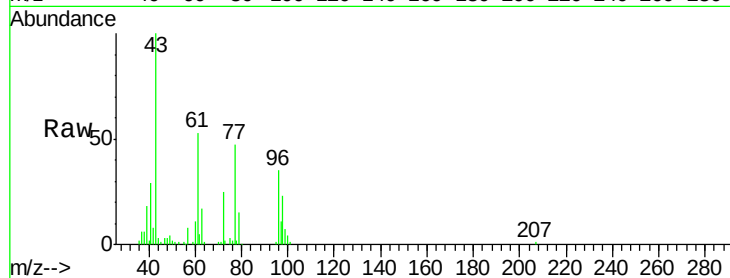




#25
2-Butanone
Concen: 97.15 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VN060393.D
Acq: 9 Mar 2020 11:14

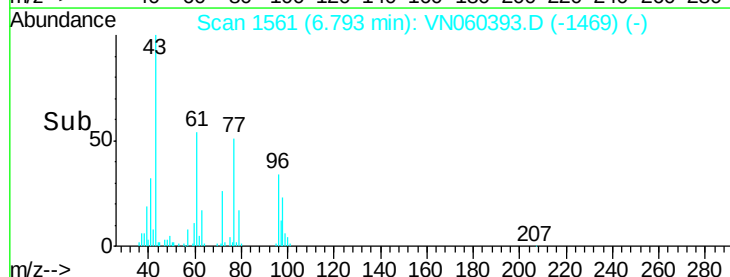
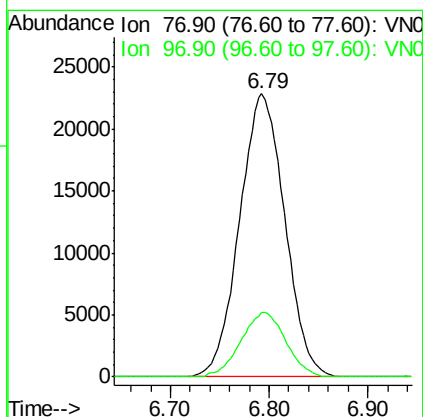
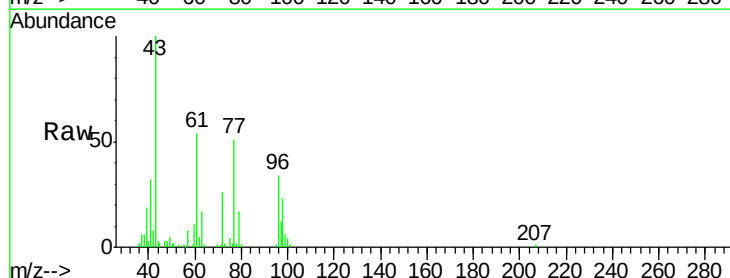
Instrument :
MSVOA_N
ClientSampled :
VN0309WBS01

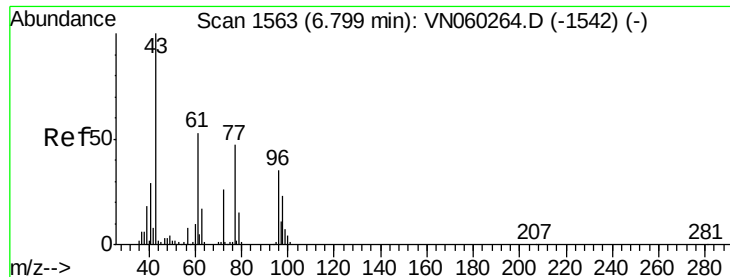
Tgt Ion: 43 Resp: 134593
Ion Ratio Lower Upper
43 100
72 25.3 20.9 31.3



#26
2,2-Dichloropropane
Concen: 18.89 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. -0.00 min
Lab File: VN060393.D
Acq: 9 Mar 2020 11:14

Tgt Ion: 77 Resp: 72303
Ion Ratio Lower Upper
77 100
97 22.6 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 17.42 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060393.D

Acq: 9 Mar 2020 11:14

Instrument :

MSVOA_N

ClientSampleId :

VN0309WBS01

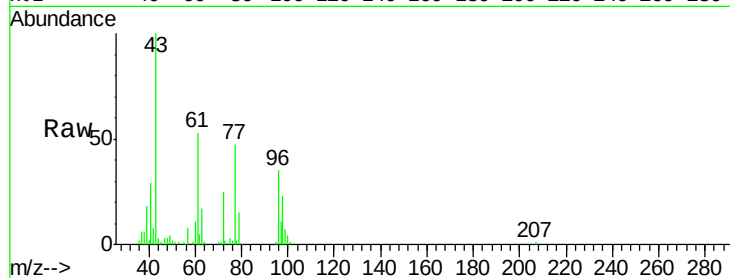
Tgt Ion: 96 Resp: 47581

Ion Ratio Lower Upper

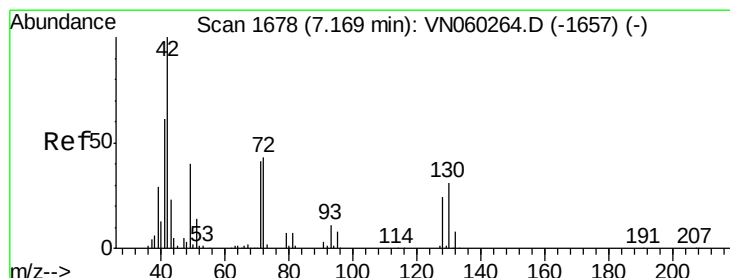
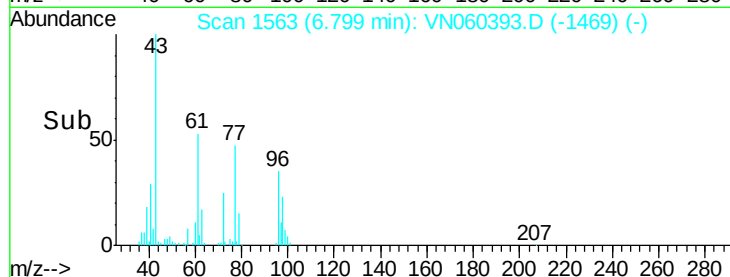
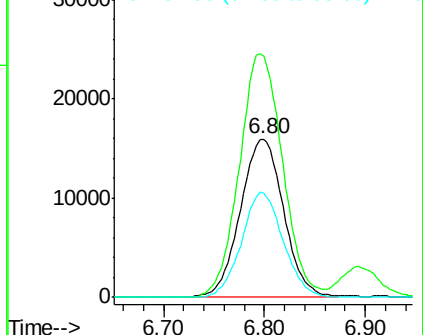
96 100

61 153.2 0.0 300.8

98 63.6 0.0 128.2



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



#28

Bromochloromethane

Concen: 19.20 ug/l

RT: 7.17 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VN060393.D

Acq: 9 Mar 2020 11:14

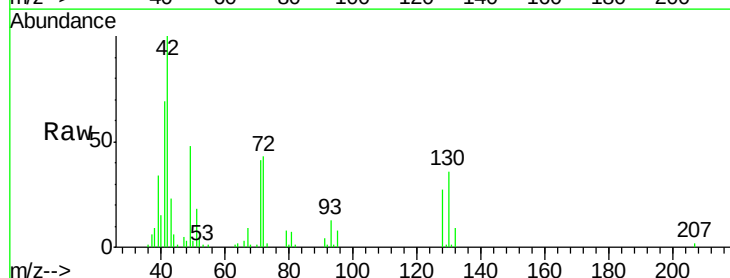
Tgt Ion: 49 Resp: 33153

Ion Ratio Lower Upper

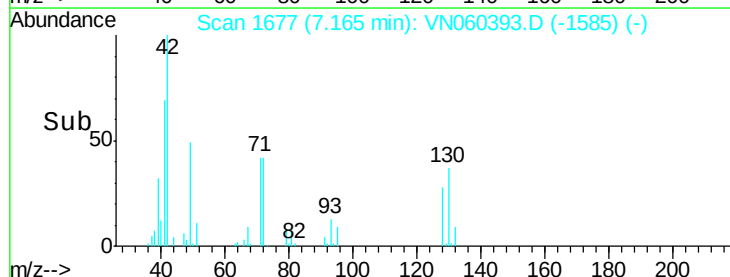
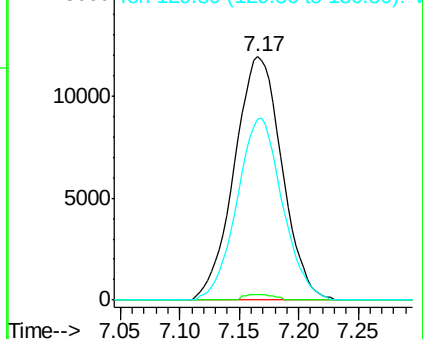
49 100

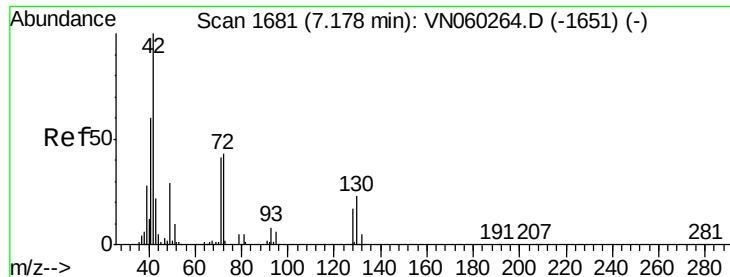
129 1.4 0.0 3.8

130 71.2 59.8 89.8



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

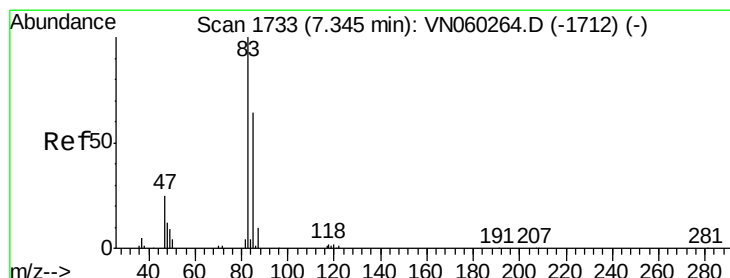
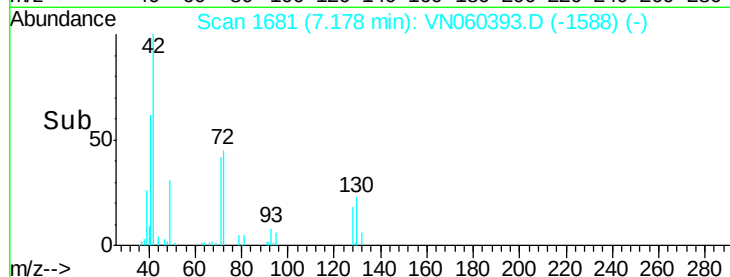
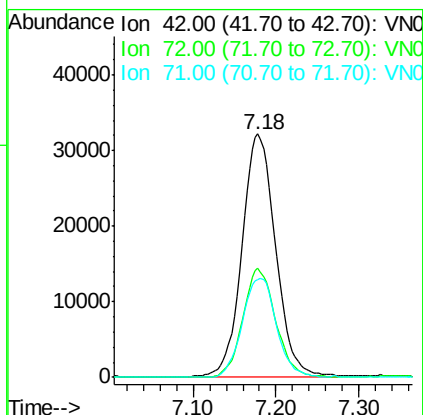
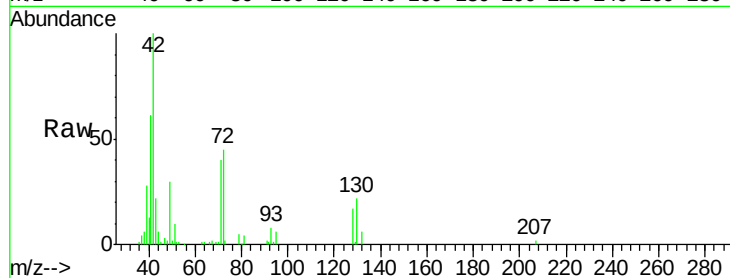




#29
Tetrahydrofuran
Concen: 94.64 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN060393.D
Acq: 9 Mar 2020 11:14

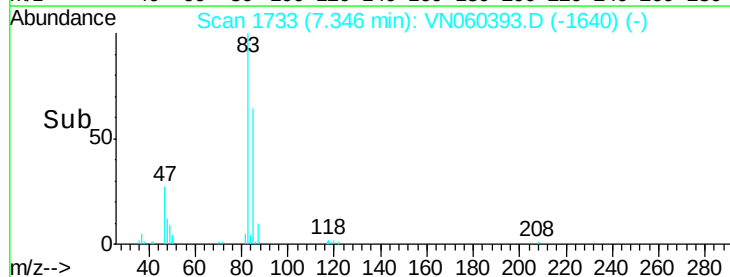
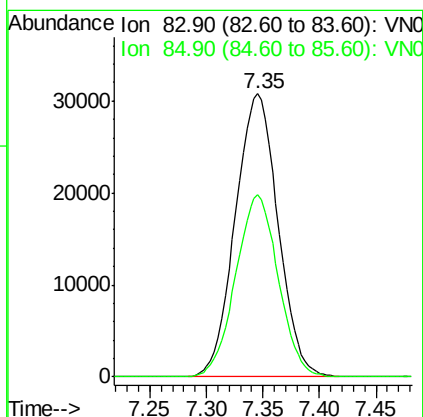
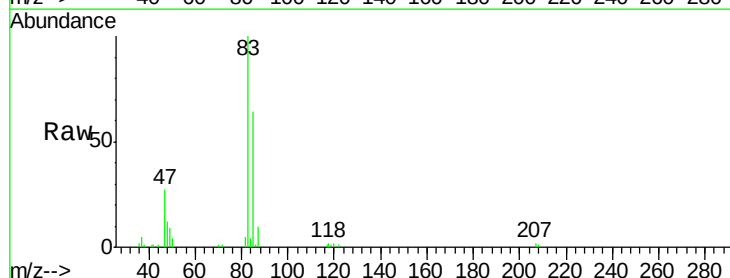
Instrument :
MSVOA_N
ClientSampleId :
VN0309WBS01

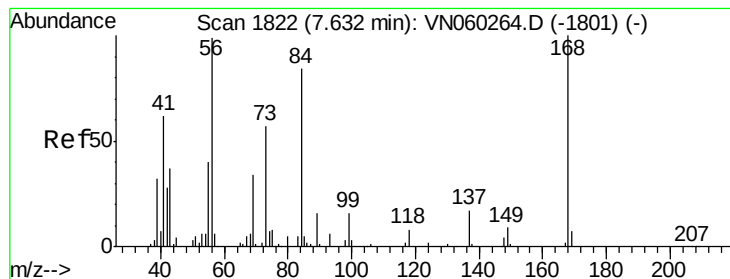
Tgt Ion: 42 Resp: 91174
Ion Ratio Lower Upper
42 100
72 43.4 34.6 52.0
71 41.0 32.9 49.3



#30
Chloroform
Concen: 19.32 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN060393.D
Acq: 9 Mar 2020 11:14

Tgt Ion: 83 Resp: 80879
Ion Ratio Lower Upper
83 100
85 64.2 51.4 77.2





#31

Cyclohexane

Concen: 18.82 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VN060393.D

Acq: 9 Mar 2020 11:14

Instrument :

MSVOA_N

ClientSampleId :

VN0309WBS01

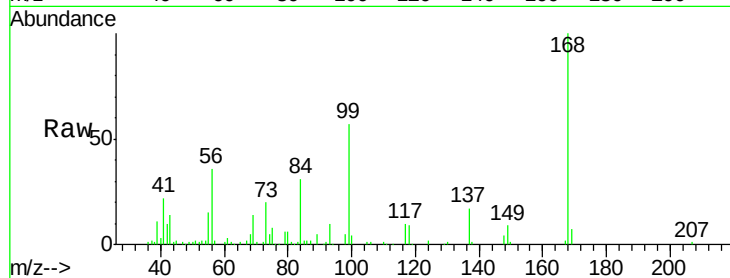
Tgt Ion: 56 Resp: 70532

Ion Ratio Lower Upper

56 100

69 38.2 27.2 40.8

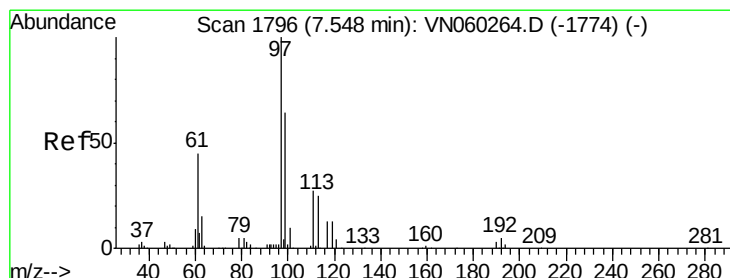
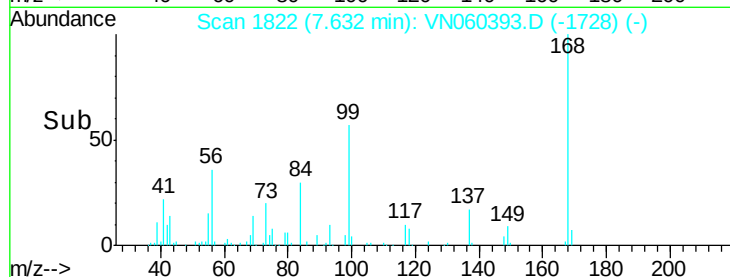
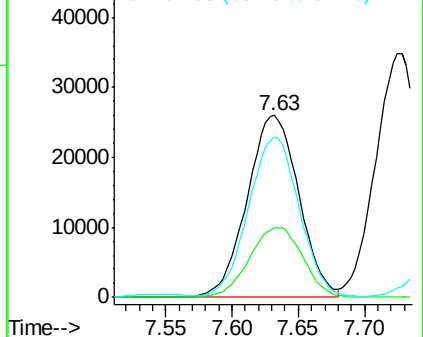
84 87.0 66.7 100.1



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: 18.90 ug/l

RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN060393.D

Acq: 9 Mar 2020 11:14

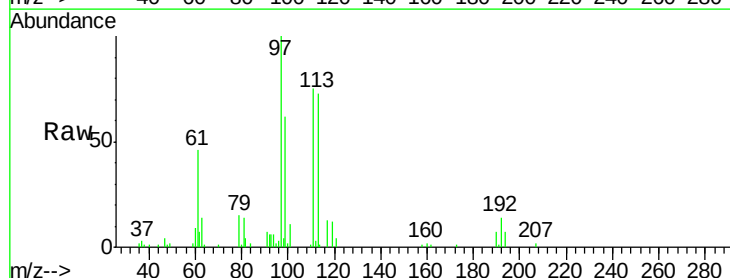
Tgt Ion: 97 Resp: 70086

Ion Ratio Lower Upper

97 100

99 64.2 51.4 77.0

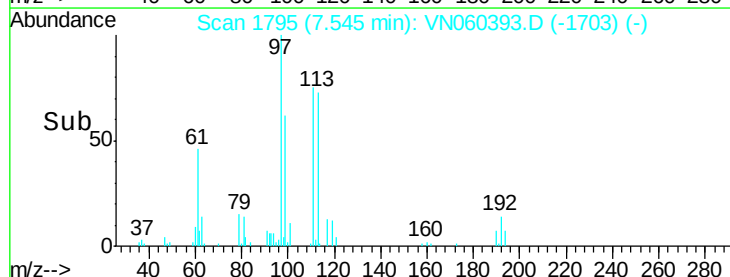
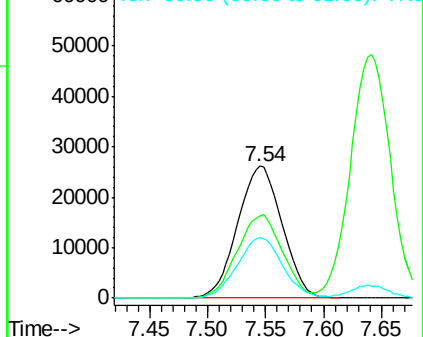
61 46.5 36.6 55.0

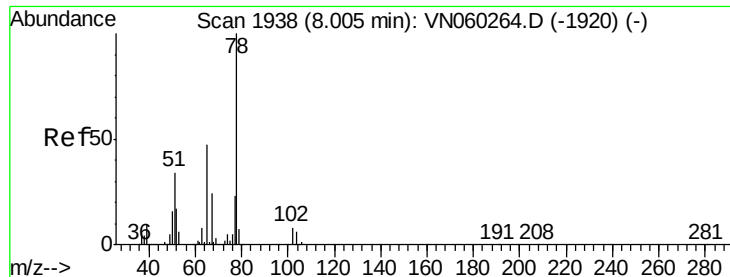


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

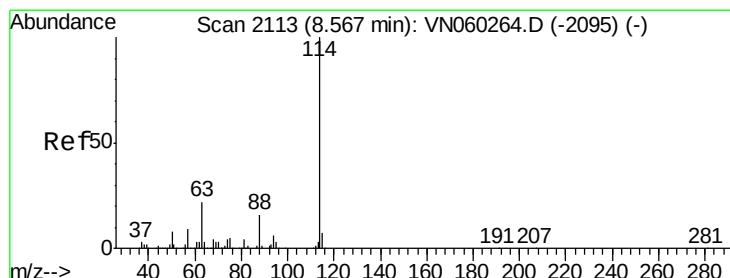
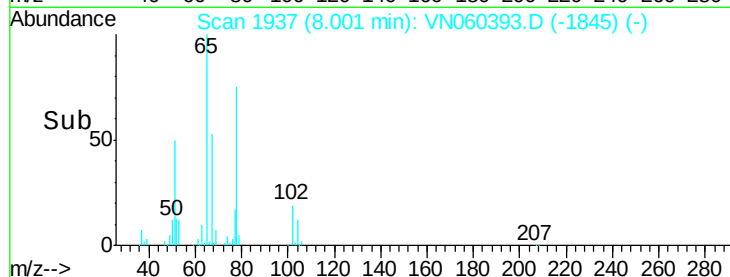
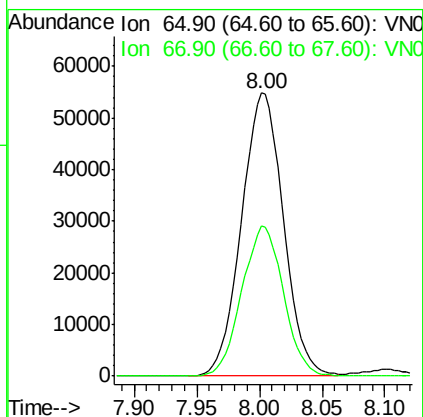
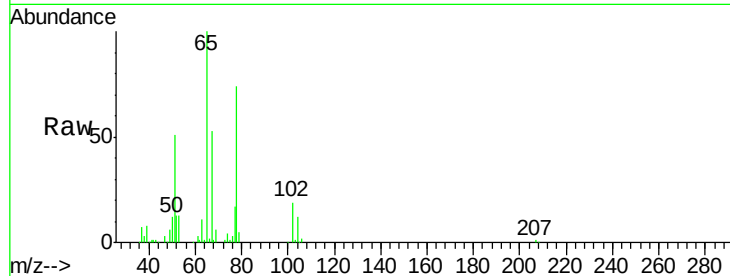




#33
 1,2-Dichloroethane-d4
 Concen: 48.05 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060393.D
 Acq: 9 Mar 2020 11:14

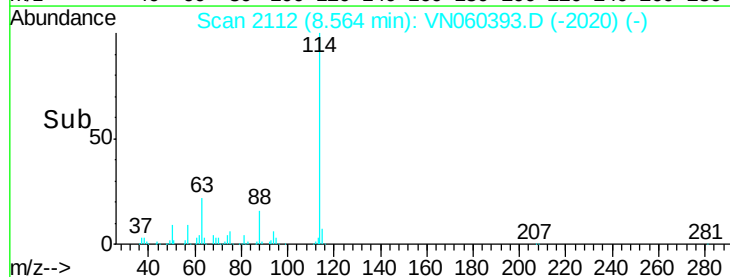
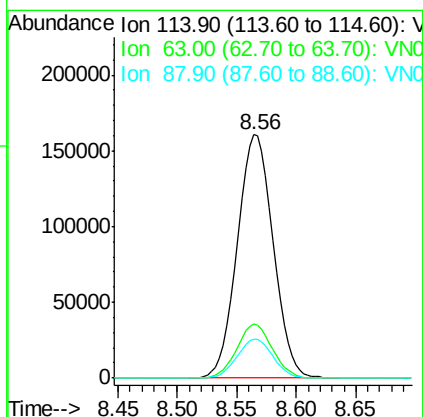
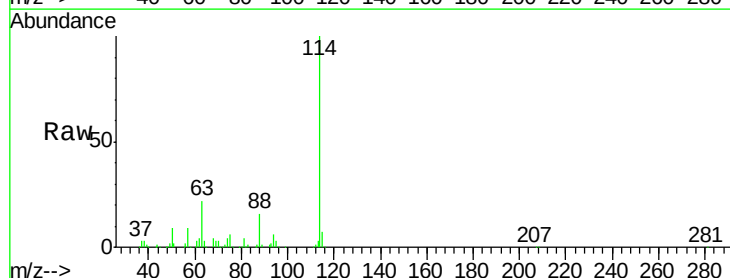
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0309WBS01

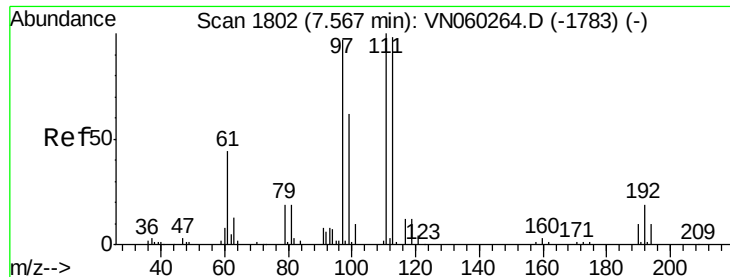
Tgt Ion: 65 Resp: 127614
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060393.D
 Acq: 9 Mar 2020 11:14

Tgt Ion: 114 Resp: 335960
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 43.2
 88 16.2 0.0 31.6

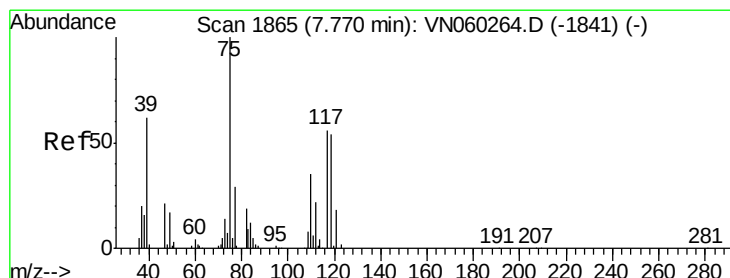
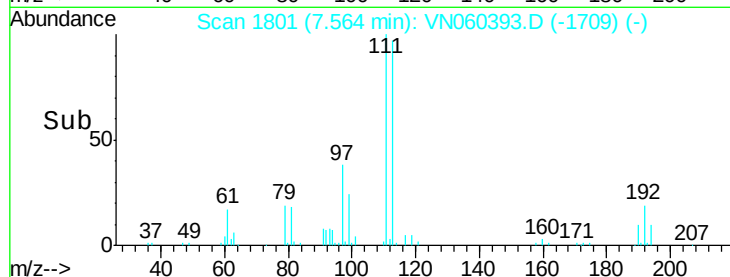
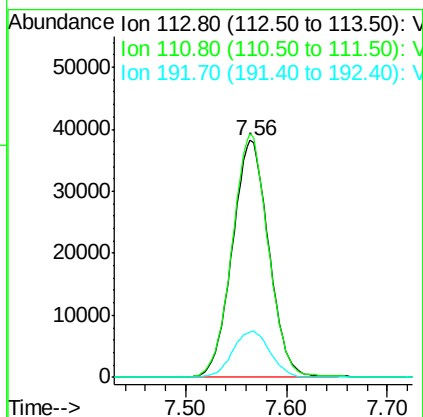
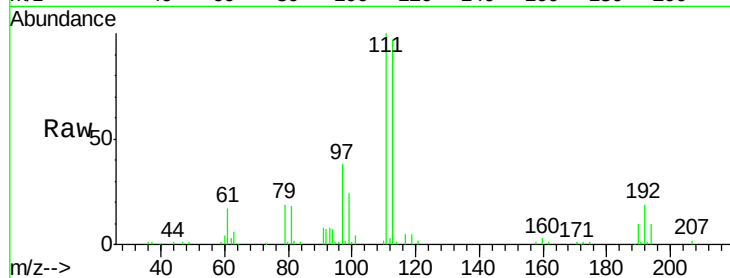




#35
 Dibromofluoromethane
 Concen: 61.53 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060393.D
 Acq: 9 Mar 2020 11:14

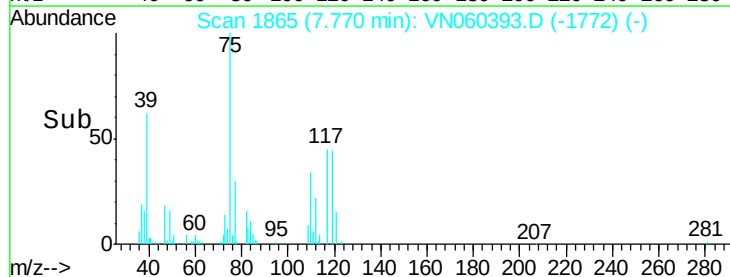
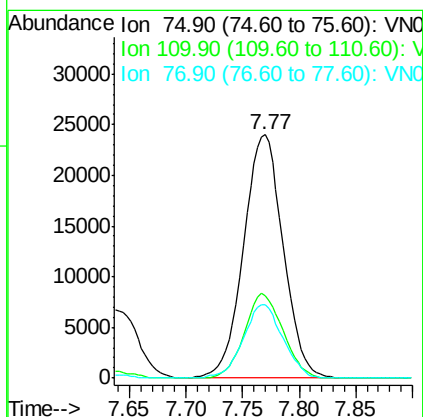
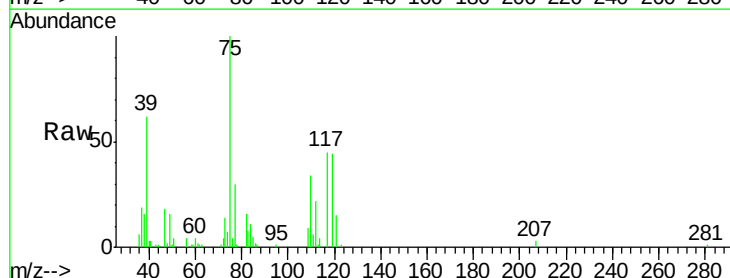
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0309WBS01

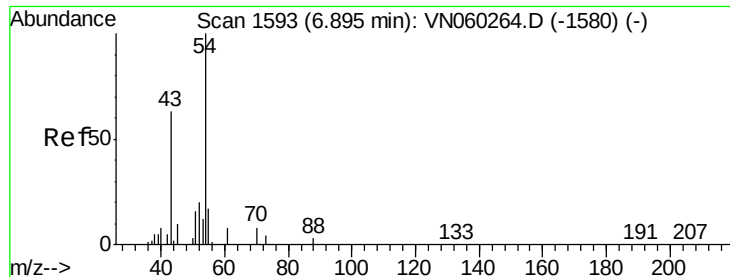
Tgt Ion:113 Resp: 95951
 Ion Ratio Lower Upper
 113 100
 111 101.5 82.4 123.6
 192 19.9 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 18.24 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. 0.00 min
 Lab File: VN060393.D
 Acq: 9 Mar 2020 11:14

Tgt Ion: 75 Resp: 58416
 Ion Ratio Lower Upper
 75 100
 110 33.8 17.3 52.0
 77 30.2 24.2 36.2

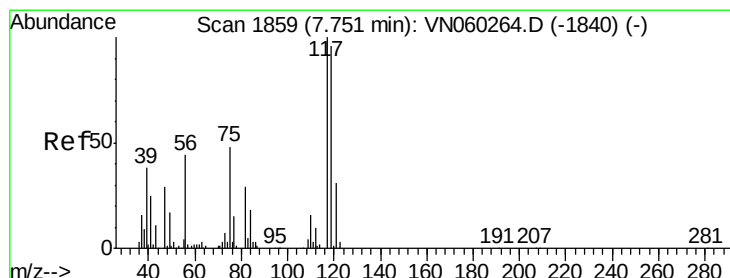
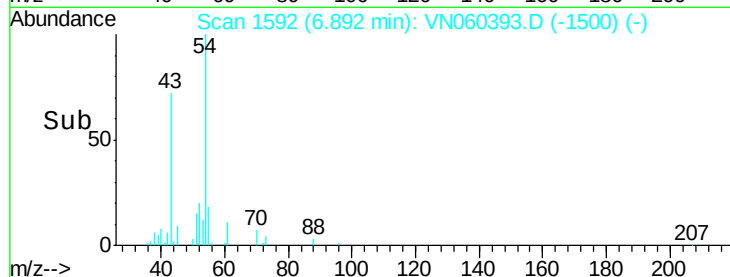
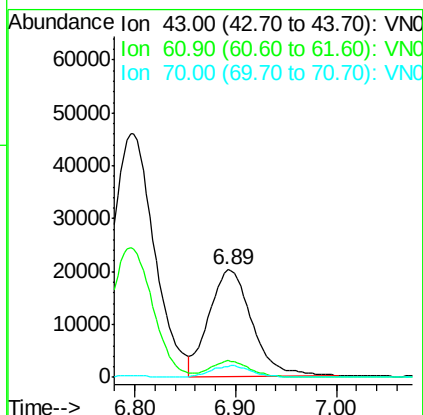
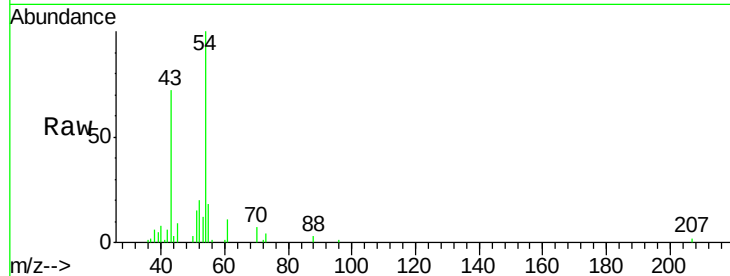




#37
Ethyl Acetate
 Concen: 19.64 ug/l
 RT: 6.89 min Scan# 1592
 Delta R.T. -0.00 min
 Lab File: VN060393.D
 Acq: 9 Mar 2020 11:14

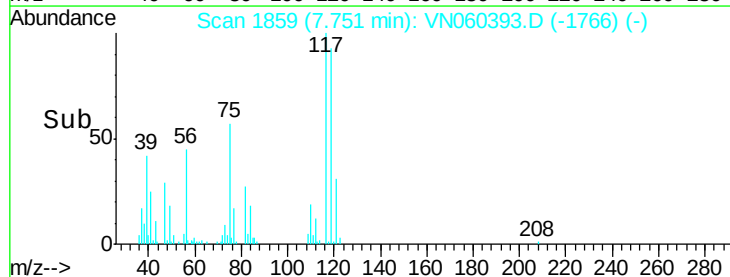
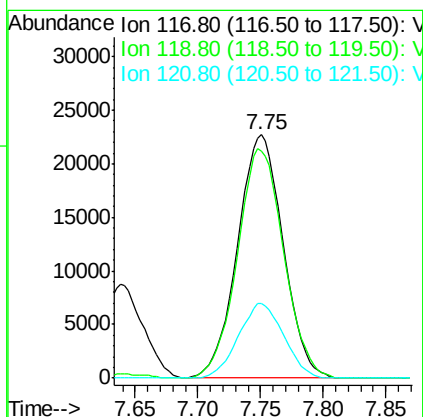
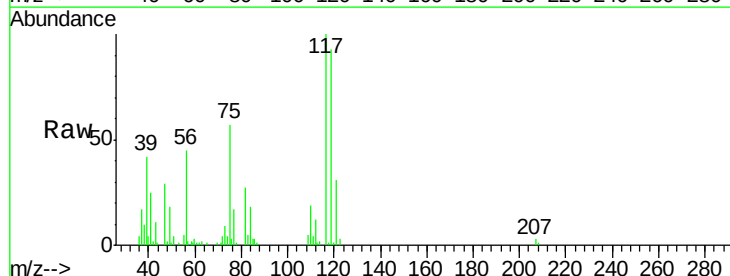
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0309WBS01

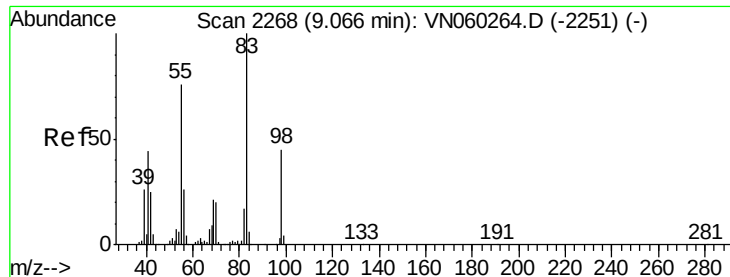
Tgt Ion: 43 Resp: 59542
 Ion Ratio Lower Upper
 43 100
 61 14.1 11.1 16.7
 70 10.3 8.4 12.6



#38
Carbon Tetrachloride
 Concen: 18.40 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VN060393.D
 Acq: 9 Mar 2020 11:14

Tgt Ion: 117 Resp: 57350
 Ion Ratio Lower Upper
 117 100
 119 93.2 76.7 115.1
 121 30.7 24.5 36.7

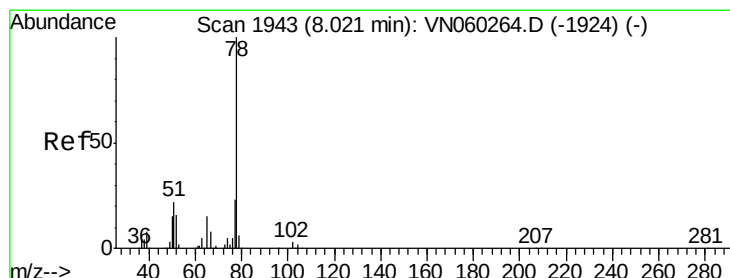
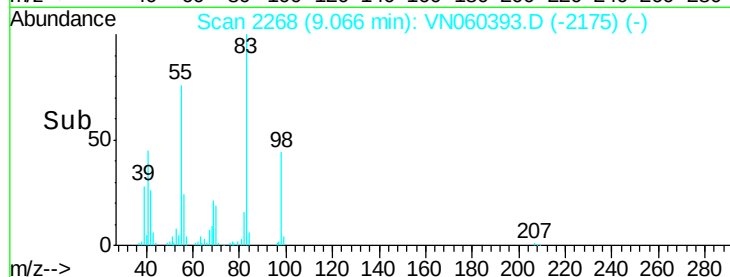
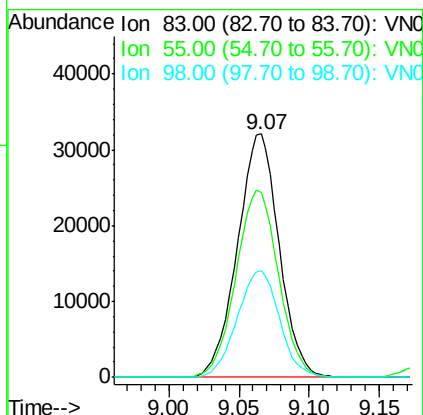
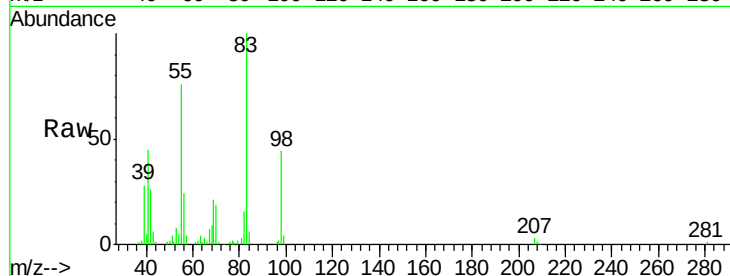




#39
Methylcyclohexane
Concen: 17.57 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN060393.D
Acq: 9 Mar 2020 11:14

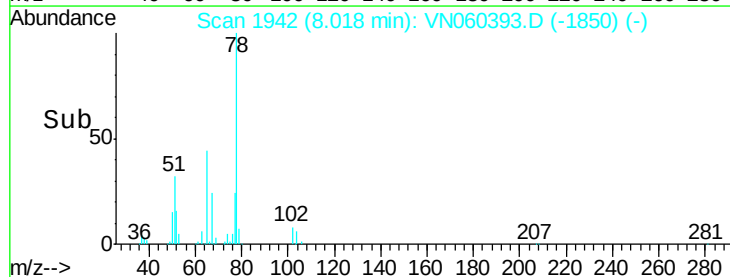
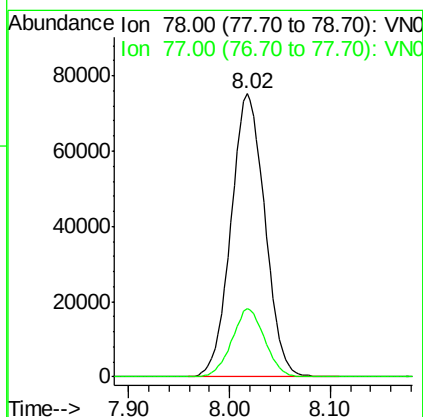
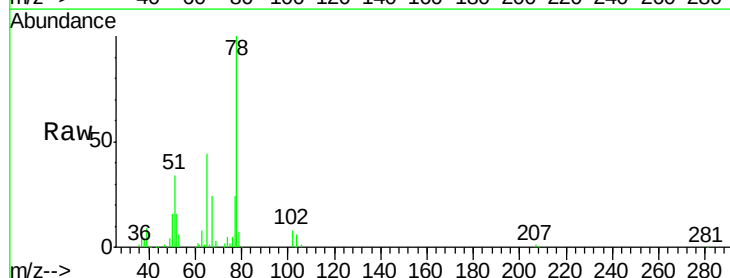
Instrument :
MSVOA_N
ClientSampleId :
VN0309WBS01

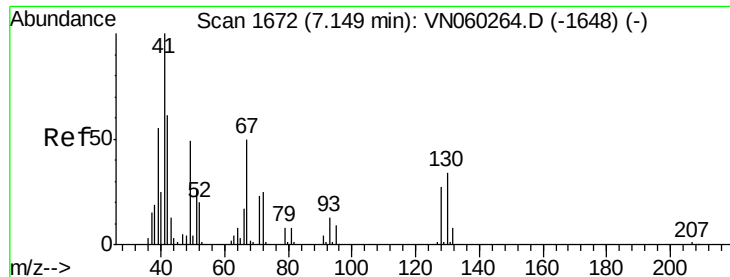
Tgt Ion: 83 Resp: 66324
Ion Ratio Lower Upper
83 100
55 75.9 61.0 91.4
98 43.7 36.1 54.1



#40
Benzene
Concen: 18.81 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060393.D
Acq: 9 Mar 2020 11:14

Tgt Ion: 78 Resp: 175259
Ion Ratio Lower Upper
78 100
77 24.2 18.8 28.2

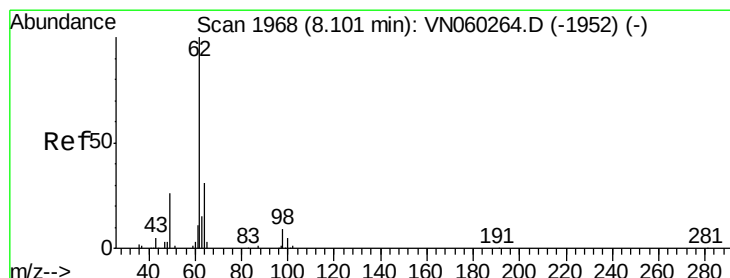
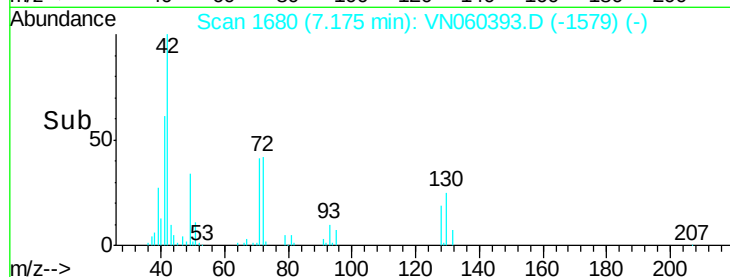
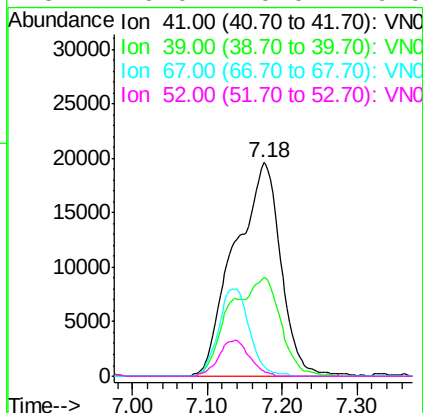
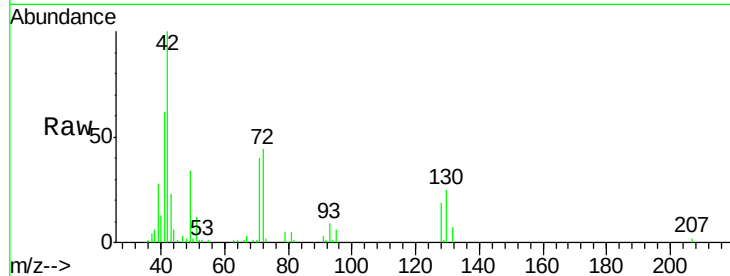




#41
Methacrylonitrile
Concen: 60.06 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.03 min
Lab File: VN060393.D
Acq: 9 Mar 2020 11:14

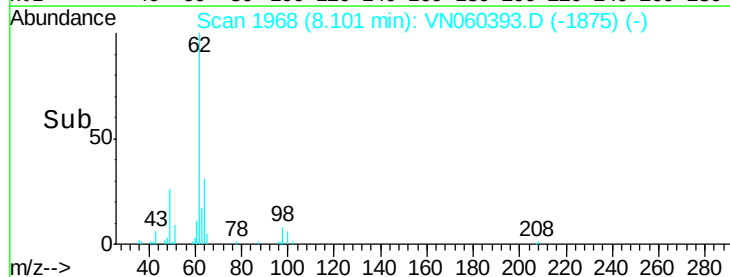
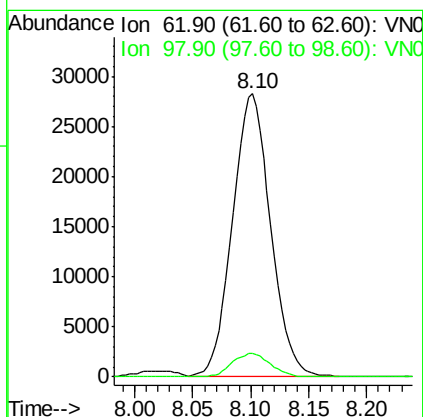
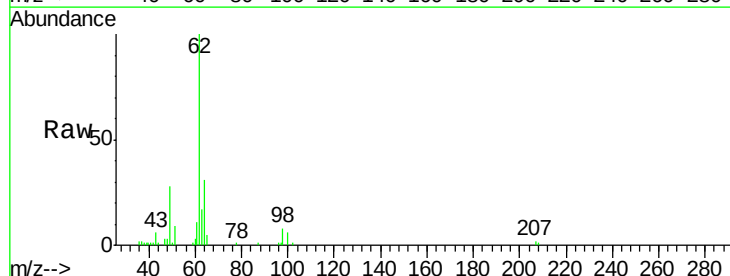
Instrument :
MSVOA_N
ClientSampleId :
VN0309WBS01

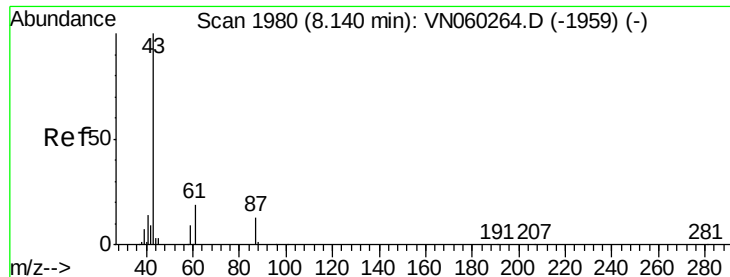
Tgt Ion:	41	Resp:	84077
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 19.18 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN060393.D
Acq: 9 Mar 2020 11:14

Tgt Ion:	62	Resp:	64494
Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	17.0





#43

Isopropyl Acetate

Concen: 19.37 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060393.D

Acq: 9 Mar 2020 11:14

Instrument :

MSVOA_N

ClientSampleId :

VN0309WBS01

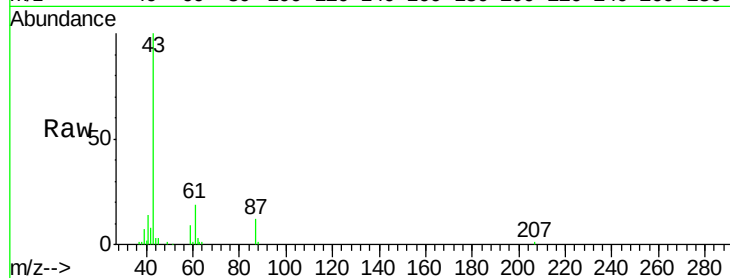
Tgt Ion: 43 Resp: 102802

Ion Ratio Lower Upper

43 100

61 25.8 20.9 31.3

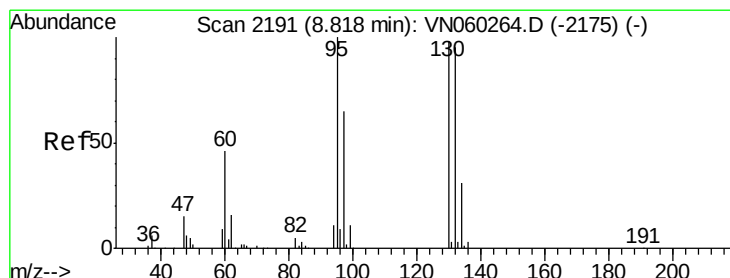
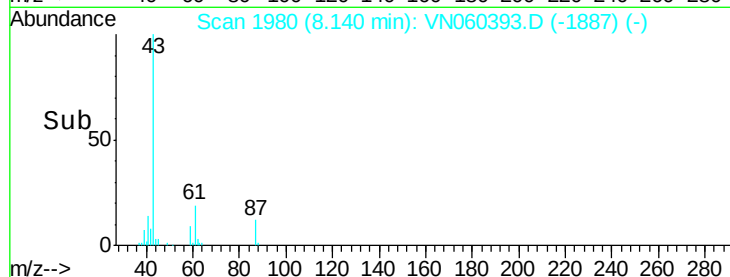
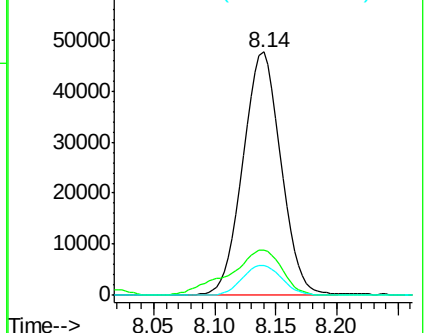
87 12.8 10.6 16.0



Abundance Ion 43.00 (42.70 to 43.70): VN060264.D (-1959) (-)

Ion 61.00 (60.70 to 61.70): VN060264.D (-1959) (-)

Ion 87.00 (86.70 to 87.70): VN060264.D (-1959) (-)



#44

Trichloroethene

Concen: 18.52 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. 0.00 min

Lab File: VN060393.D

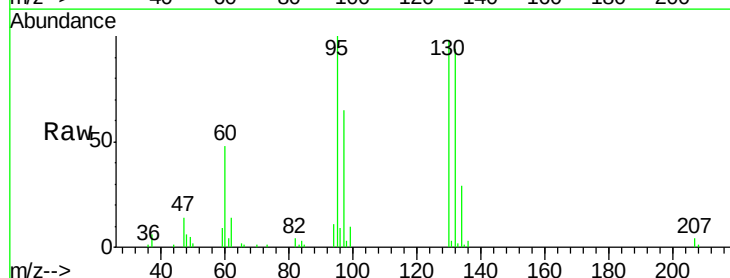
Acq: 9 Mar 2020 11:14

Tgt Ion: 130 Resp: 48067

Ion Ratio Lower Upper

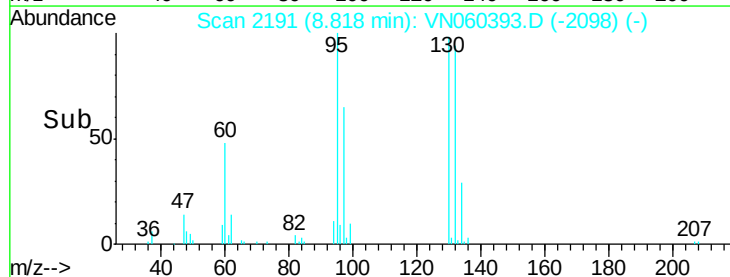
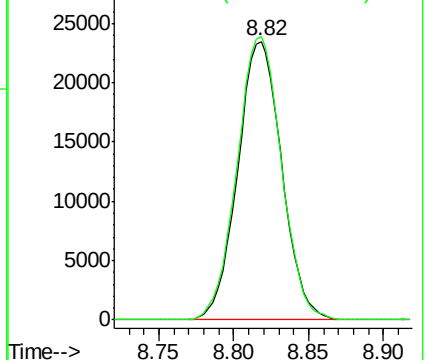
130 100

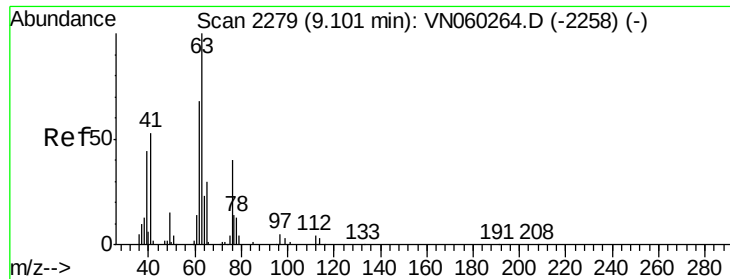
95 101.6 0.0 203.4



Abundance Ion 129.80 (129.50 to 130.50): VN060264.D (-2175) (-)

Ion 94.90 (94.60 to 95.60): VN060264.D (-2175) (-)

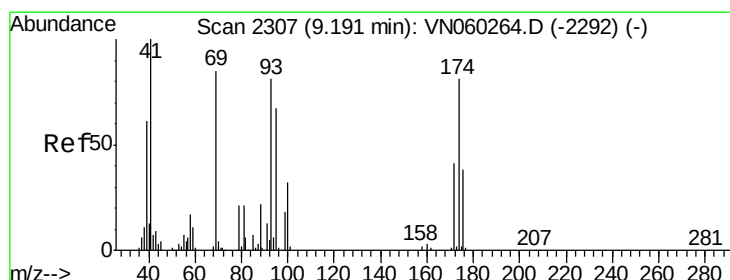
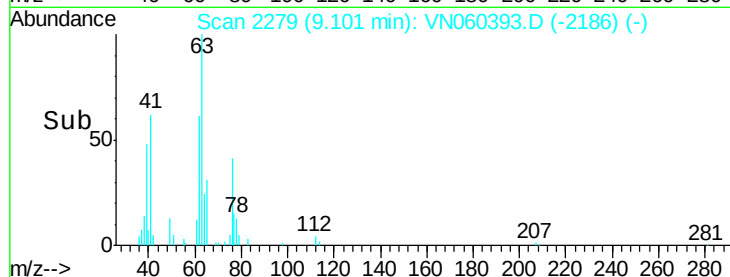
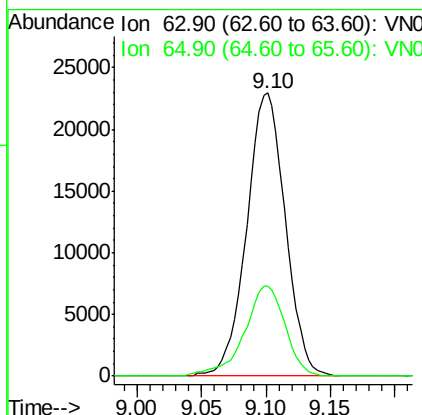
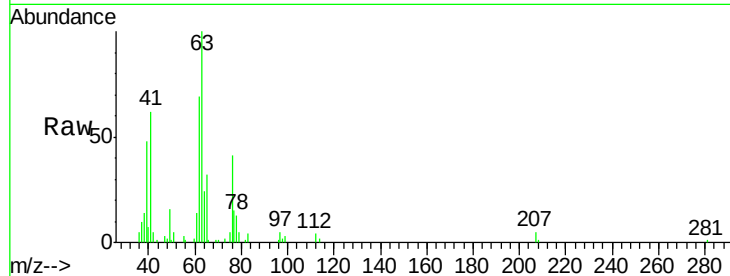




#45
 1,2-Dichloropropane
 Concen: 19.67 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN060393.D
 Acq: 9 Mar 2020 11:14

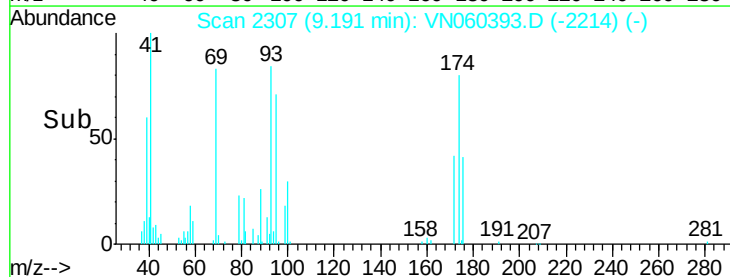
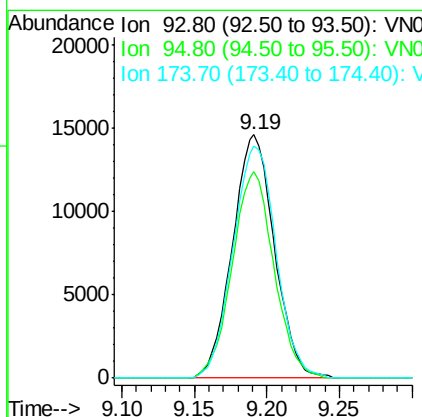
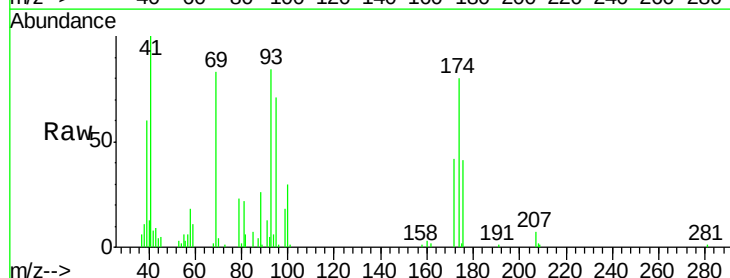
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0309WBS01

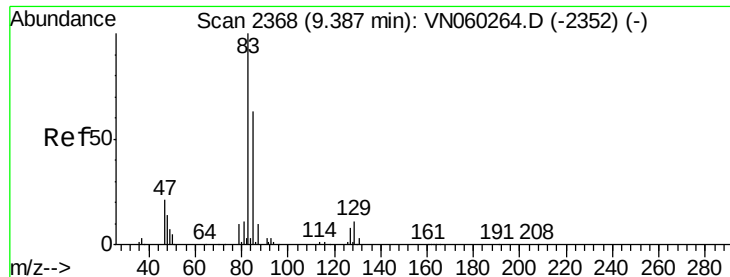
Tgt Ion: 63 Resp: 47928
 Ion Ratio Lower Upper
 63 100
 65 31.9 24.4 36.6



#46
 Dibromomethane
 Concen: 18.60 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN060393.D
 Acq: 9 Mar 2020 11:14

Tgt Ion: 93 Resp: 29410
 Ion Ratio Lower Upper
 93 100
 95 84.3 65.9 98.9
 174 97.7 79.6 119.4





#47

Bromodichloromethane

Concen: 19.34 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN060393.D

Acq: 9 Mar 2020 11:14

Instrument :

MSVOA_N

ClientSampleId :

VN0309WBS01

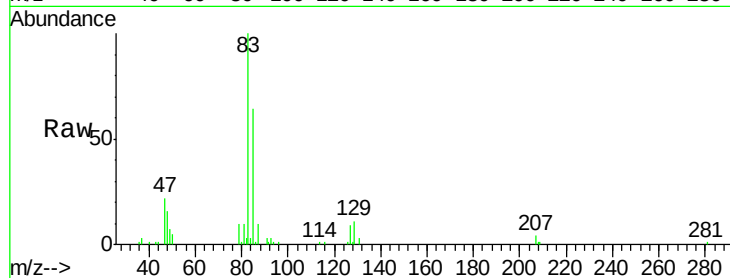
Tgt Ion: 83 Resp: 62193

Ion Ratio Lower Upper

83 100

85 63.9 50.7 76.1

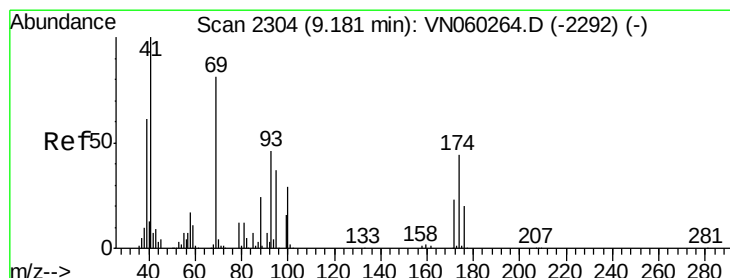
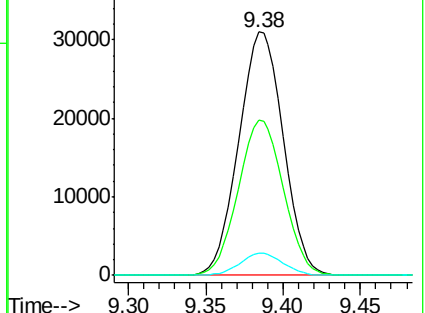
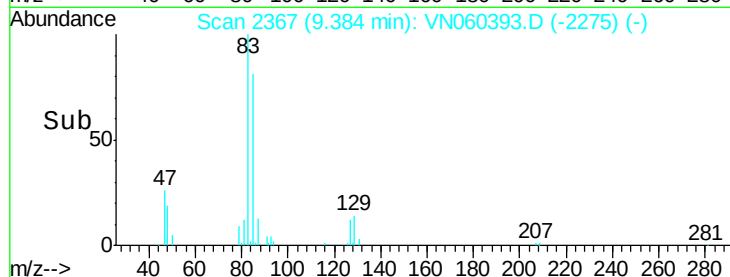
127 9.2 6.8 10.2



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: 18.48 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. 0.00 min

Lab File: VN060393.D

Acq: 9 Mar 2020 11:14

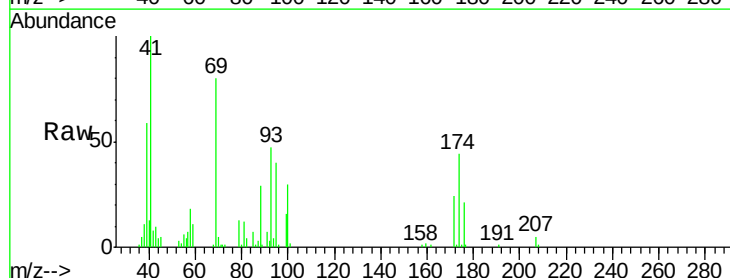
Tgt Ion: 41 Resp: 44722

Ion Ratio Lower Upper

41 100

69 82.0 66.7 100.1

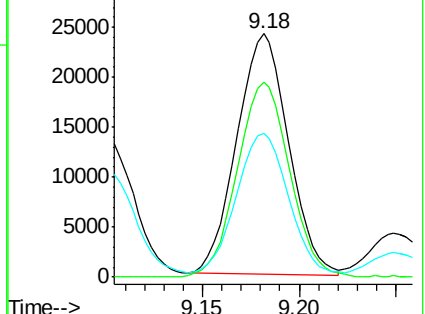
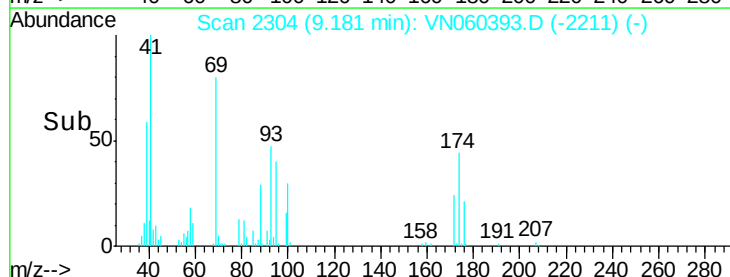
39 58.4 50.1 75.1

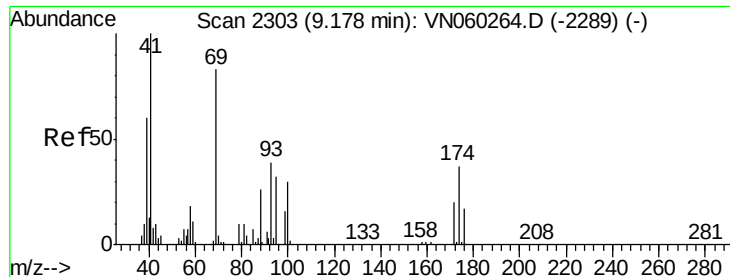


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

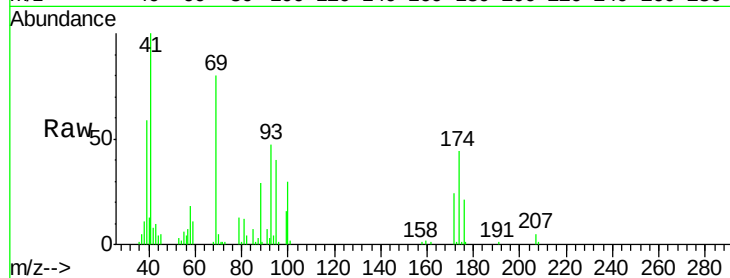




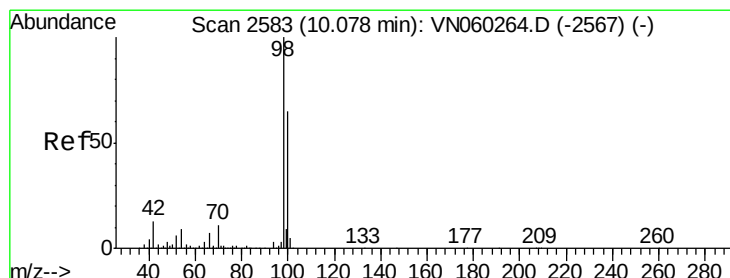
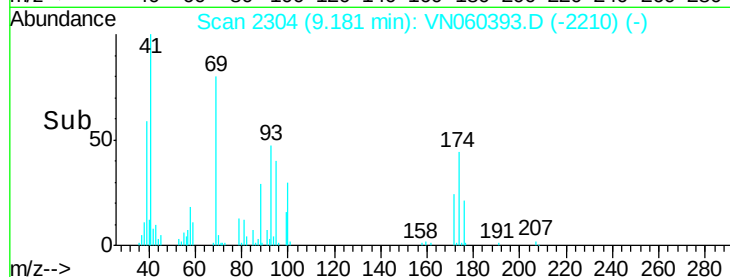
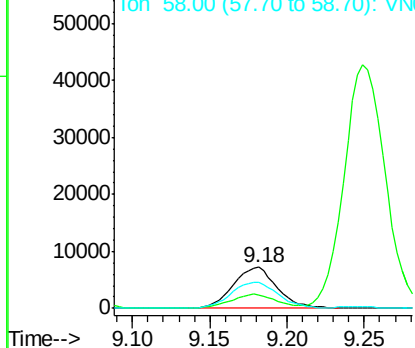
#49
1,4-Dioxane
Concen: 417.23 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN060393.D
Acq: 9 Mar 2020 11:14

Instrument :
MSVOA_N
ClientSampled :
VN0309WBS01

Tgt Ion: 88 Resp: 14201
Ion Ratio Lower Upper
88 100
43 36.0 30.4 45.6
58 68.1 57.0 85.6

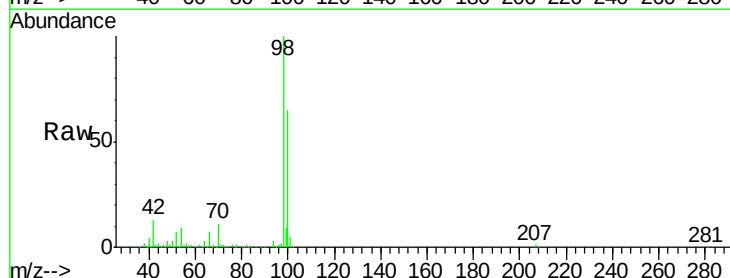


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

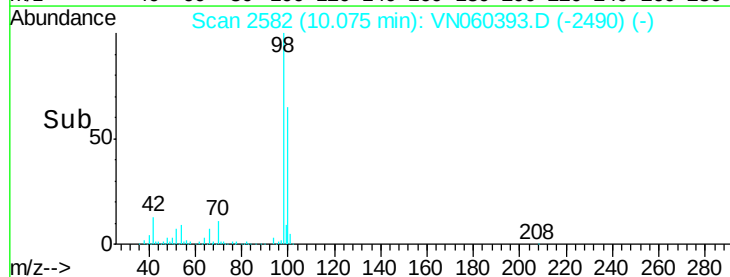
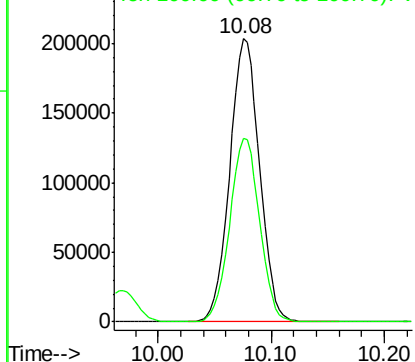


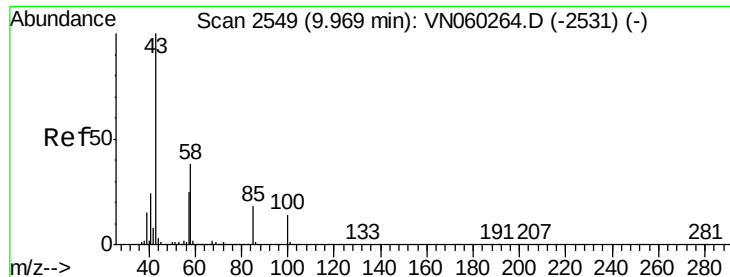
#50
Toluene-d8
Concen: 47.12 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060393.D
Acq: 9 Mar 2020 11:14

Tgt Ion: 98 Resp: 371860
Ion Ratio Lower Upper
98 100
100 65.1 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0

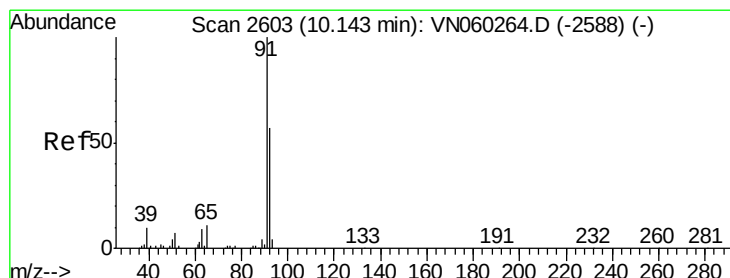
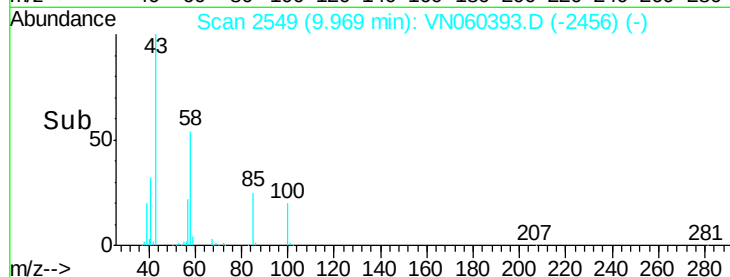
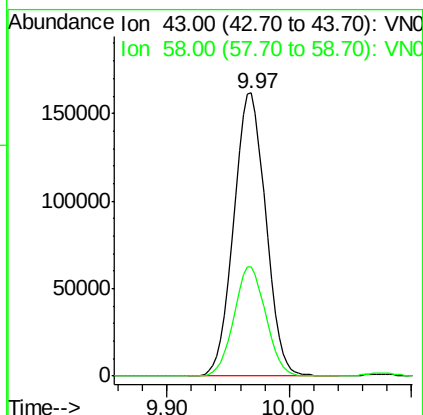
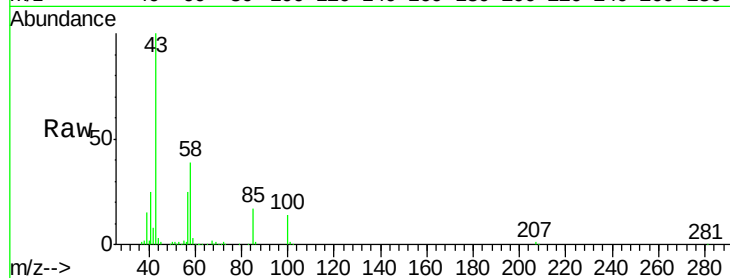




#51
 4-Methyl-2-Pentanone
 Concen: 97.85 ug/l
 RT: 9.97 min Scan# 2549
 Delta R.T. 0.00 min
 Lab File: VN060393.D
 Acq: 9 Mar 2020 11:14

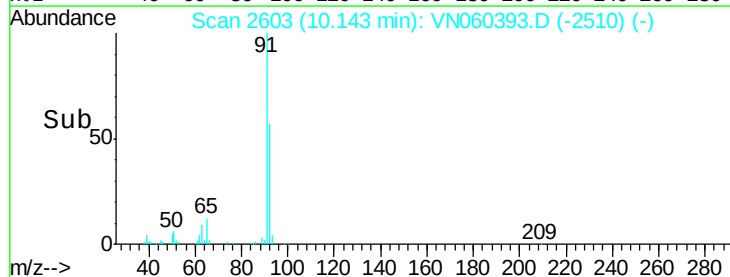
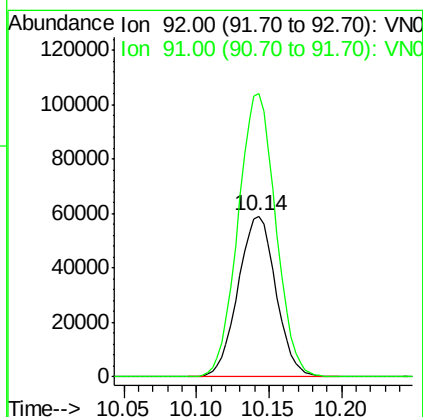
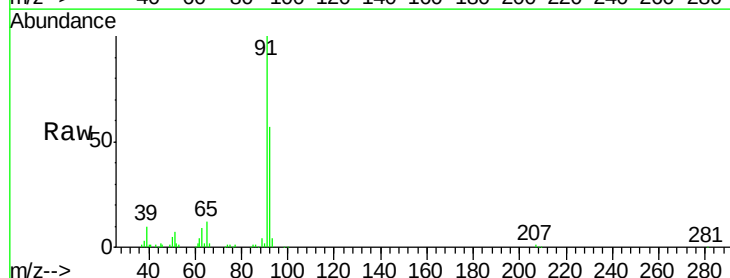
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0309WBS01

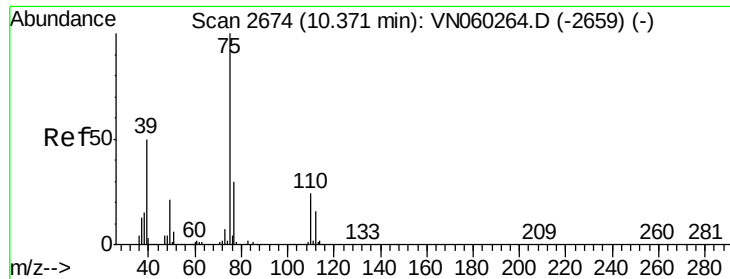
Tgt Ion: 43 Resp: 294473
 Ion Ratio Lower Upper
 43 100
 58 38.3 30.9 46.3



#52
 Toluene
 Concen: 18.31 ug/l
 RT: 10.14 min Scan# 2603
 Delta R.T. 0.00 min
 Lab File: VN060393.D
 Acq: 9 Mar 2020 11:14

Tgt Ion: 92 Resp: 107184
 Ion Ratio Lower Upper
 92 100
 91 175.5 138.1 207.1





#53

t-1,3-Dichloropropene

Concen: 18.42 ug/l

RT: 10.37 min Scan# 2673

Delta R.T. -0.00 min

Lab File: VN060393.D

Acq: 9 Mar 2020 11:14

Instrument :

MSVOA_N

ClientSampleId :

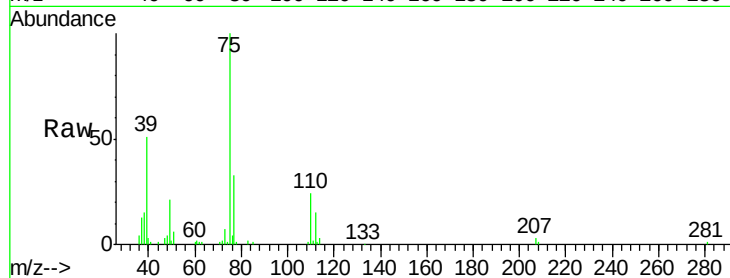
VN0309WBS01

Tgt Ion: 75 Resp: 72589

Ion Ratio Lower Upper

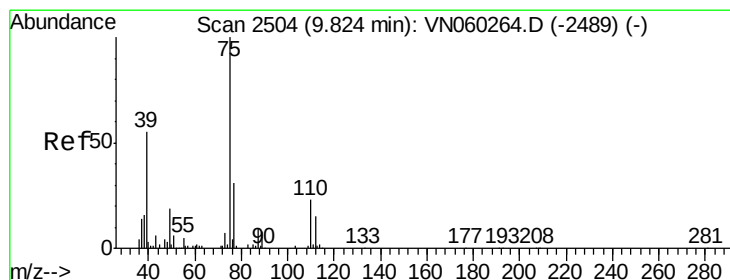
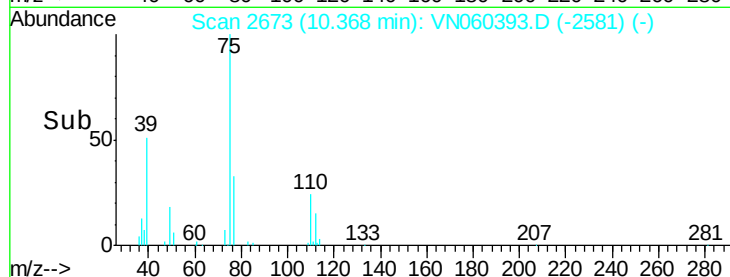
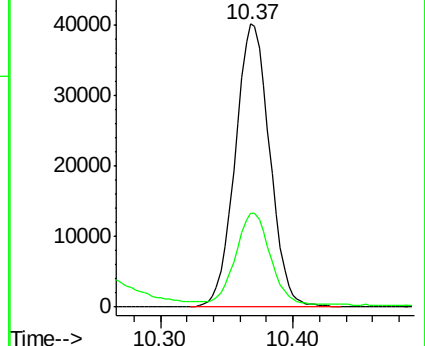
75 100

77 32.0 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: 19.30 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN060393.D

Acq: 9 Mar 2020 11:14

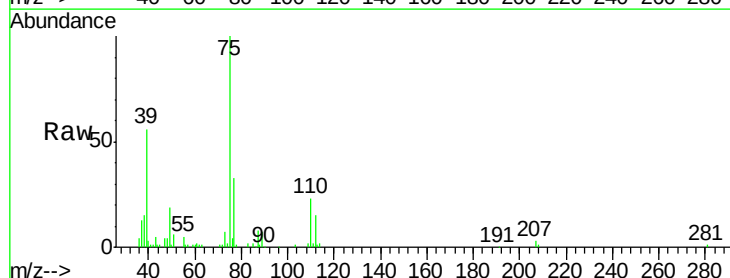
Tgt Ion: 75 Resp: 78778

Ion Ratio Lower Upper

75 100

77 32.5 24.8 37.2

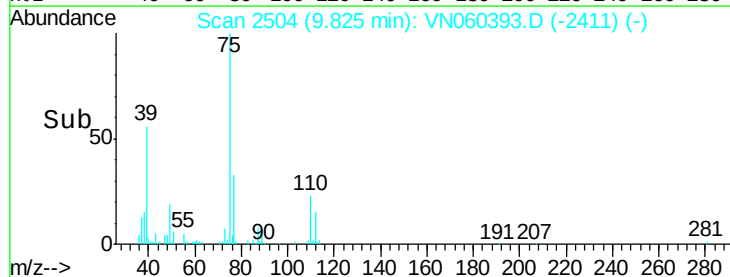
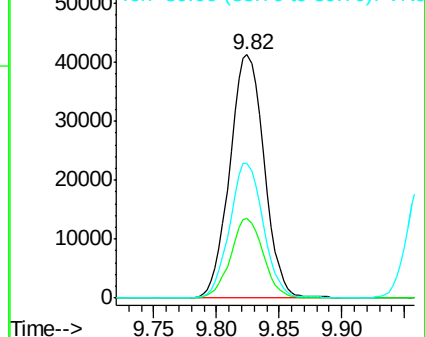
39 55.6 43.8 65.8

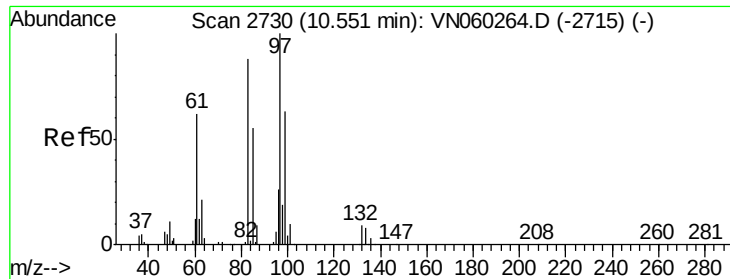


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

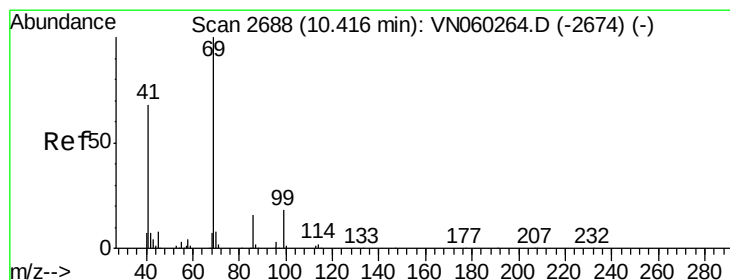
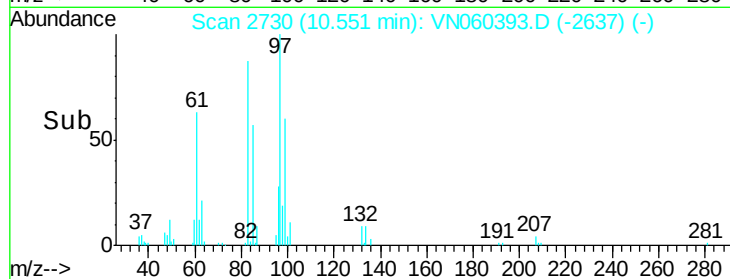
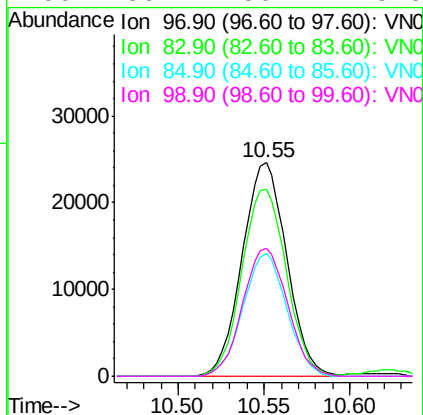
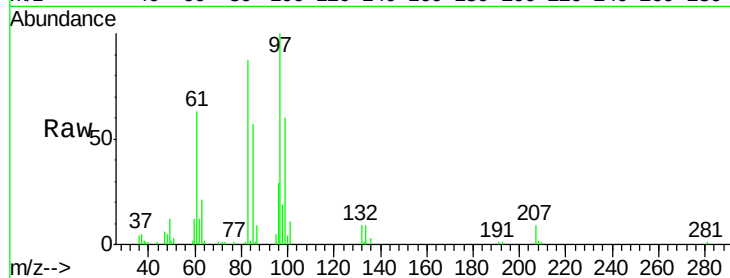




#55
 1,1,2-Trichloroethane
 Concen: 18.82 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN060393.D
 Acq: 9 Mar 2020 11:14

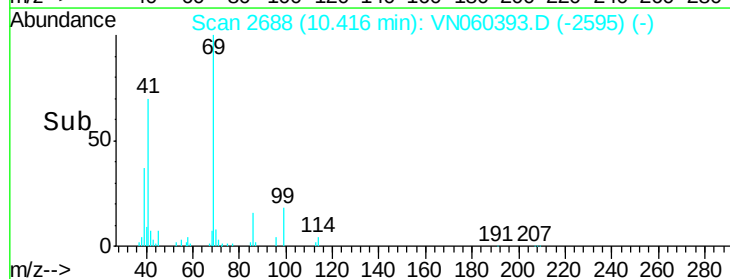
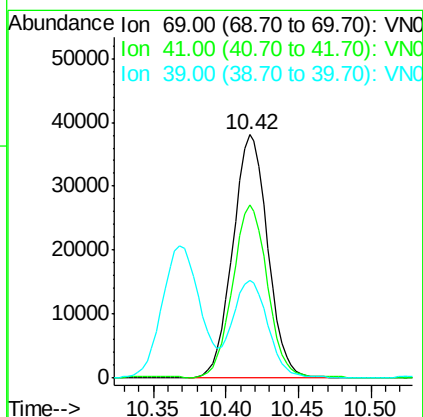
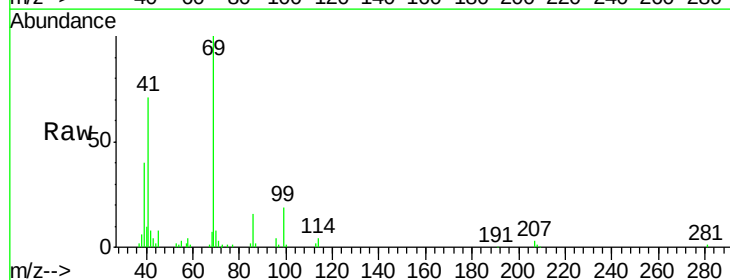
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0309WBS01

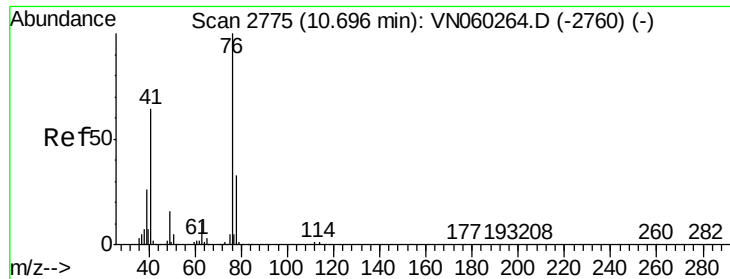
Tgt Ion: 97 Resp: 44298
 Ion Ratio Lower Upper
 97 100
 83 87.3 70.0 105.0
 85 57.5 44.0 66.0
 99 60.1 50.4 75.6



#56
 Ethyl methacrylate
 Concen: 18.89 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN060393.D
 Acq: 9 Mar 2020 11:14

Tgt Ion: 69 Resp: 63898
 Ion Ratio Lower Upper
 69 100
 41 70.9 54.1 81.1
 39 41.5 32.5 48.7

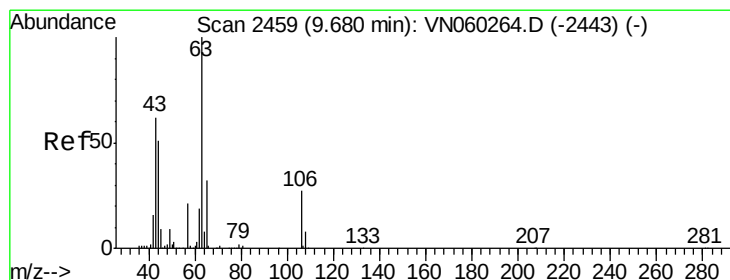
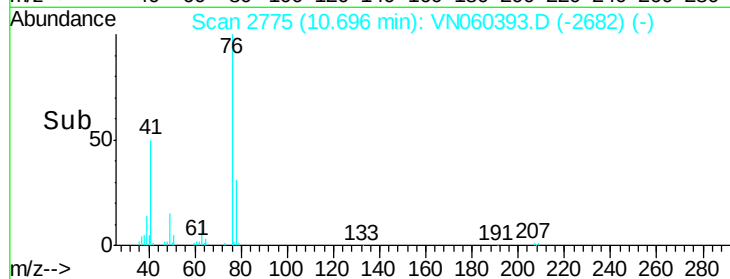
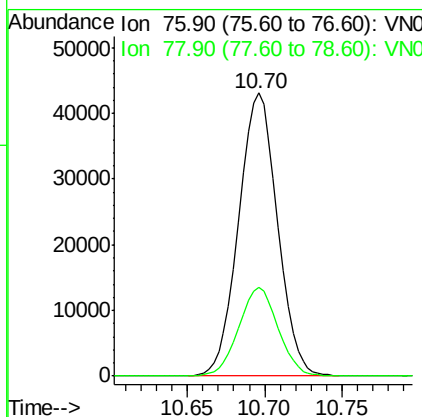
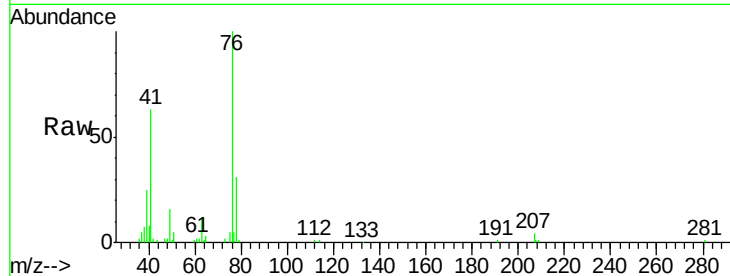




#57
 1,3-Dichloropropane
 Concen: 19.60 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. 0.00 min
 Lab File: VN060393.D
 Acq: 9 Mar 2020 11:14

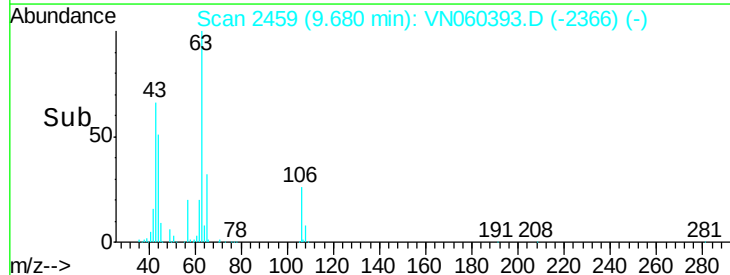
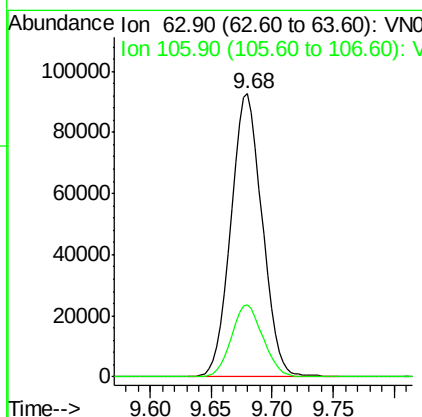
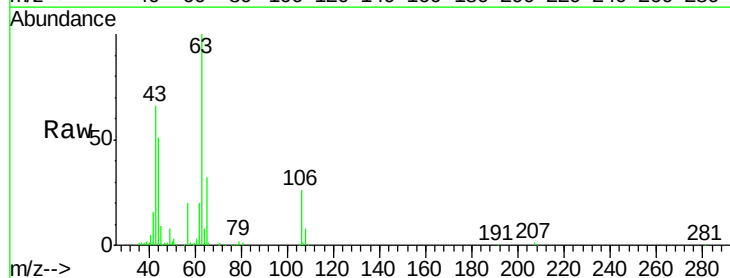
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0309WBS01

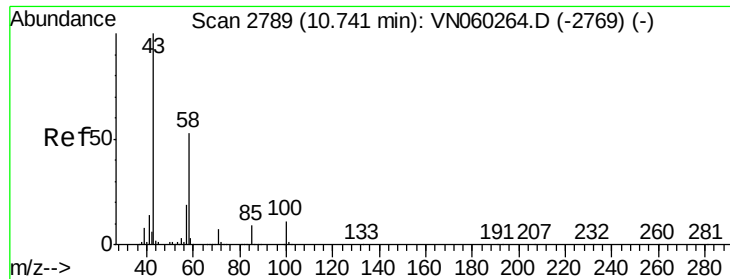
Tgt Ion: 76 Resp: 75263
 Ion Ratio Lower Upper
 76 100
 78 31.6 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 93.55 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. 0.00 min
 Lab File: VN060393.D
 Acq: 9 Mar 2020 11:14

Tgt Ion: 63 Resp: 165470
 Ion Ratio Lower Upper
 63 100
 106 25.6 21.1 31.7

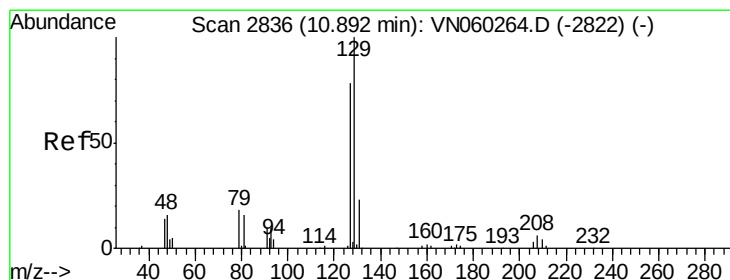
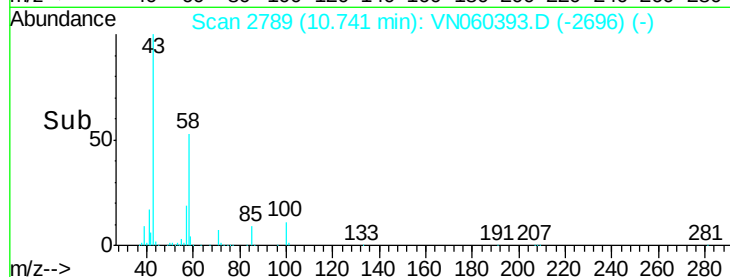
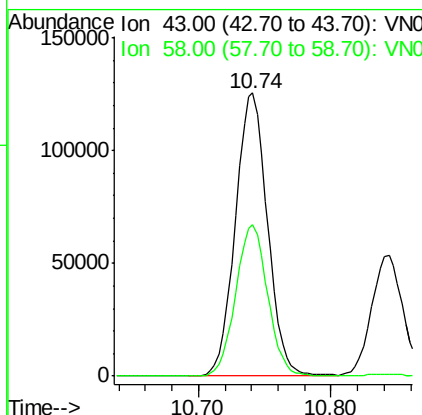
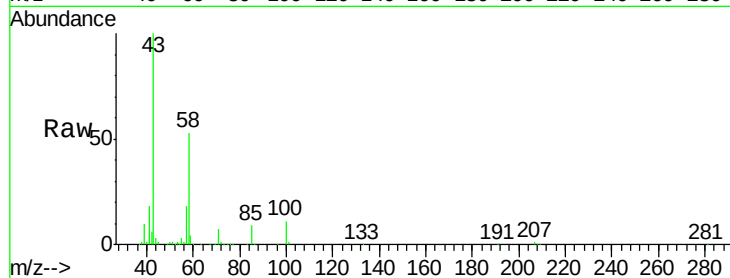




#59
2-Hexanone
Concen: 95.48 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060393.D
Acq: 9 Mar 2020 11:14

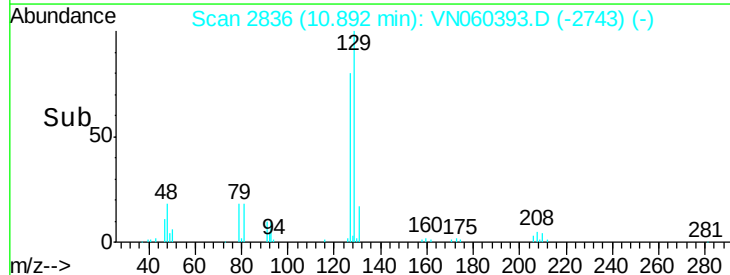
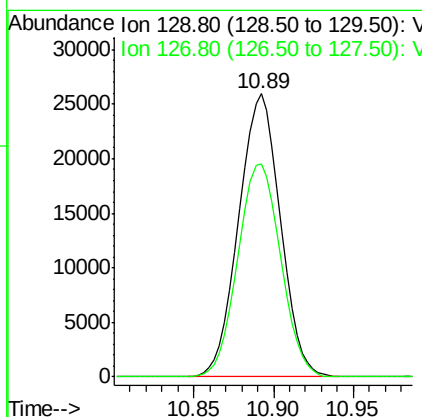
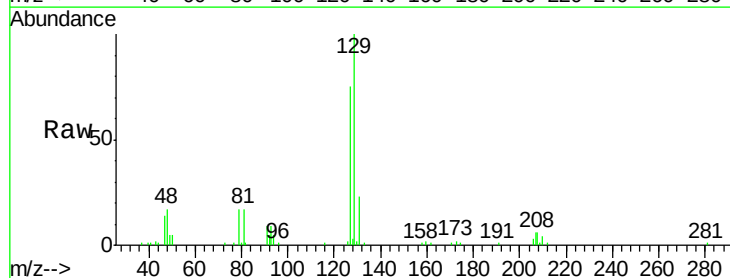
Instrument :
MSVOA_N
ClientSampled :
VN0309WBS01

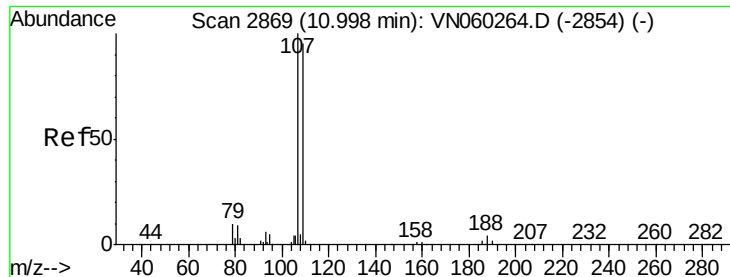
Tgt Ion: 43 Resp: 210974
Ion Ratio Lower Upper
43 100
58 53.1 26.5 79.5



#60
Dibromochloromethane
Concen: 19.26 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060393.D
Acq: 9 Mar 2020 11:14

Tgt Ion: 129 Resp: 46117
Ion Ratio Lower Upper
129 100
127 77.4 38.9 116.7





#61

1,2-Dibromoethane

Concen: 18.75 ug/l

RT: 10.99 min Scan# 2868

Delta R.T. -0.00 min

Lab File: VN060393.D

Acq: 9 Mar 2020 11:14

Instrument :

MSVOA_N

ClientSampleId :

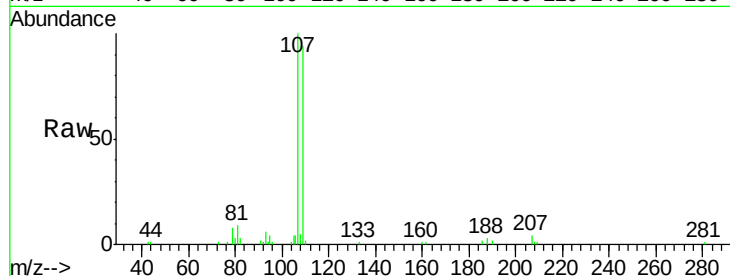
VN0309WBS01

Tgt Ion: 107 Resp: 43035

Ion Ratio Lower Upper

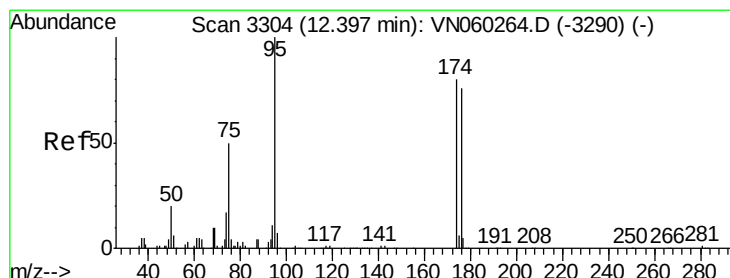
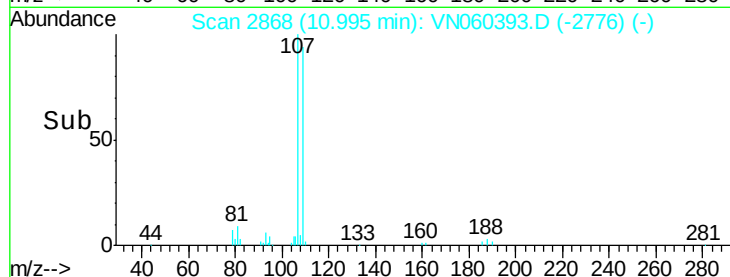
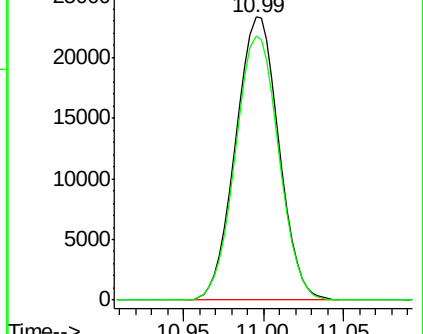
107 100

109 93.8 76.8 115.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 46.74 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060393.D

Acq: 9 Mar 2020 11:14

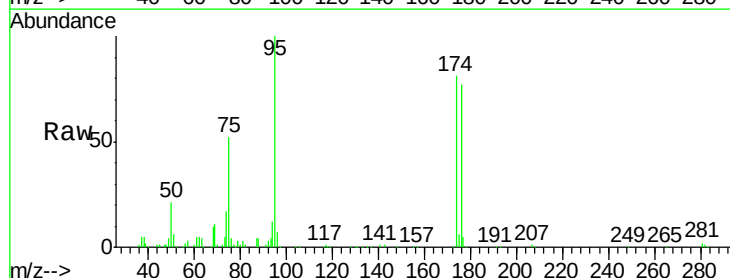
Tgt Ion: 95 Resp: 139846

Ion Ratio Lower Upper

95 100

174 80.0 0.0 159.2

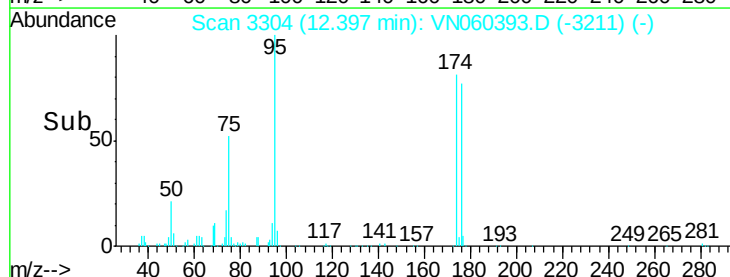
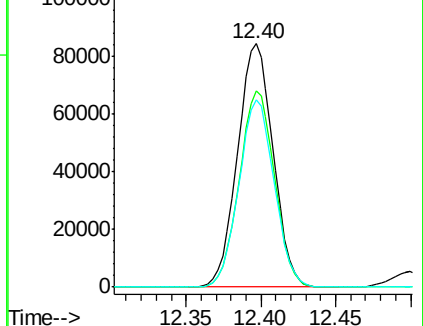
176 76.4 0.0 153.8

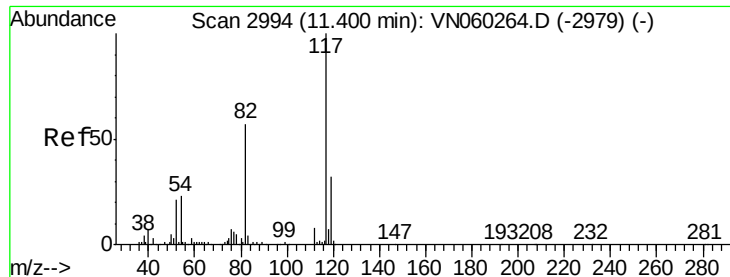


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

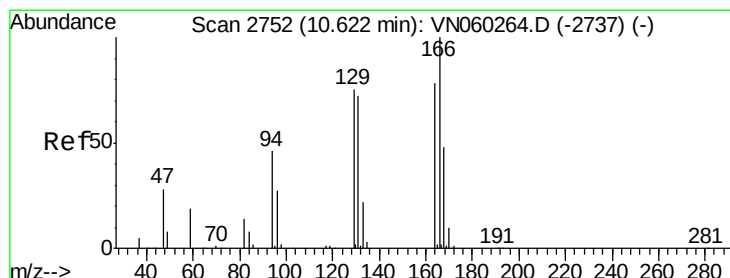
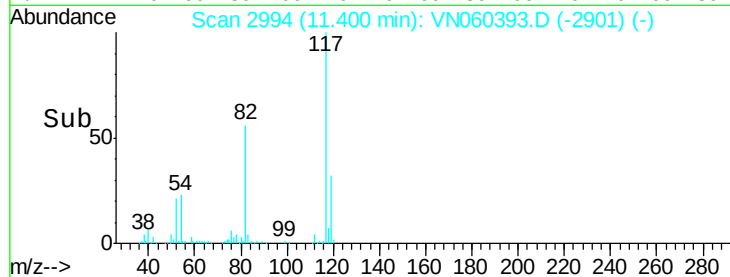
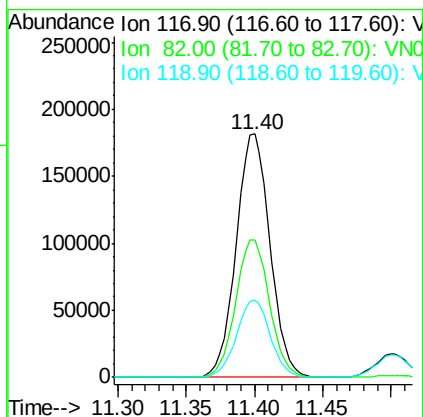
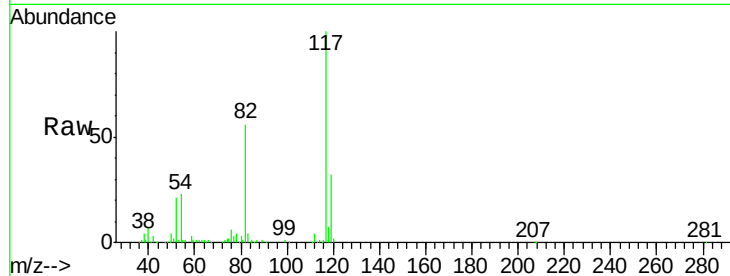




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060393.D
Acq: 9 Mar 2020 11:14

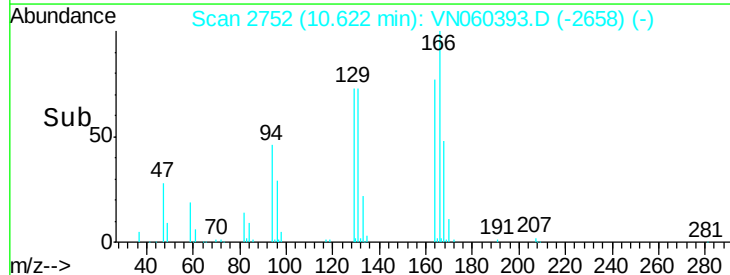
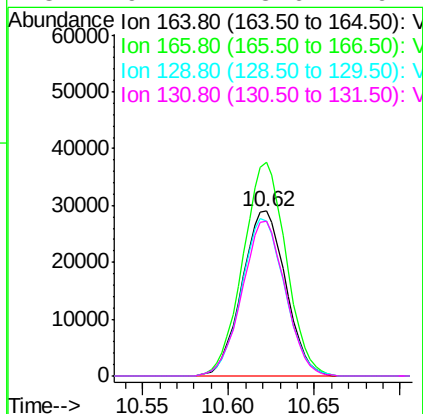
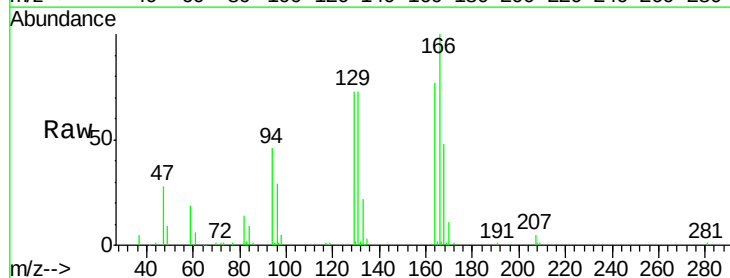
Instrument :
MSVOA_N
ClientSampleId :
VN0309WBS01

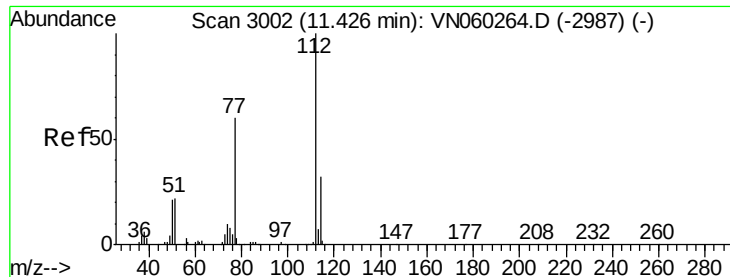
Tgt Ion:117 Resp: 311928
Ion Ratio Lower Upper
117 100
82 56.2 45.8 68.6
119 31.9 25.8 38.8



#64
Tetrachloroethene
Concen: 19.98 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN060393.D
Acq: 9 Mar 2020 11:14

Tgt Ion:164 Resp: 51160
Ion Ratio Lower Upper
164 100
166 129.7 102.0 153.0
129 94.1 76.4 114.6
131 94.1 73.6 110.4





#65

Chlorobenzene

Concen: 18.19 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. 0.00 min

Lab File: VN060393.D

Acq: 9 Mar 2020 11:14

Instrument :

MSVOA_N

ClientSampleId :

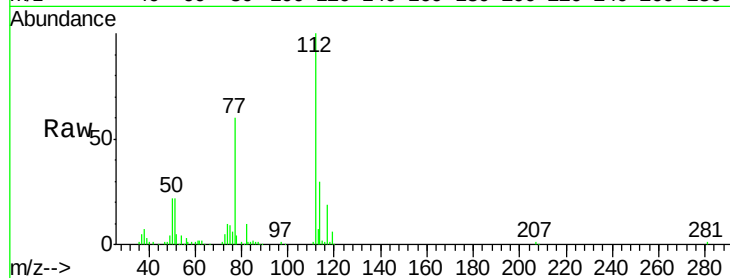
VN0309WBS01

Tgt Ion:112 Resp: 114603

Ion Ratio Lower Upper

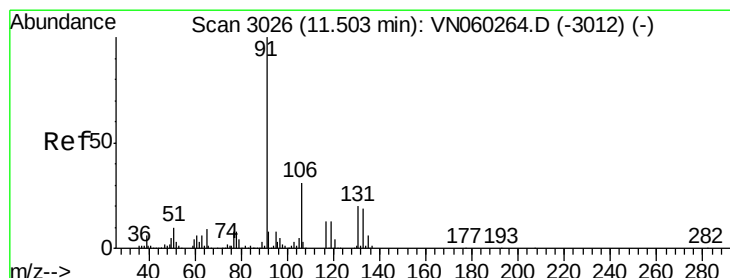
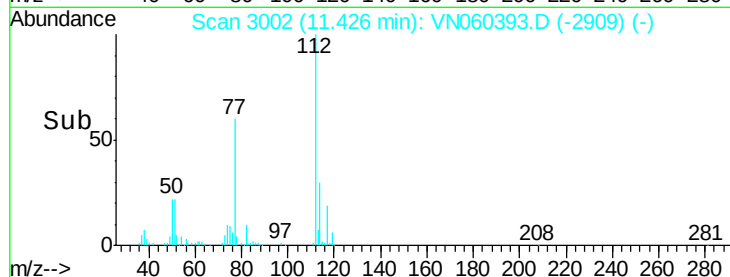
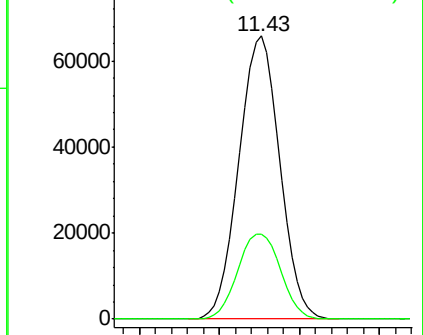
112 100

114 29.9 25.4 38.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 18.93 ug/l

RT: 11.50 min Scan# 3025

Delta R.T. -0.00 min

Lab File: VN060393.D

Acq: 9 Mar 2020 11:14

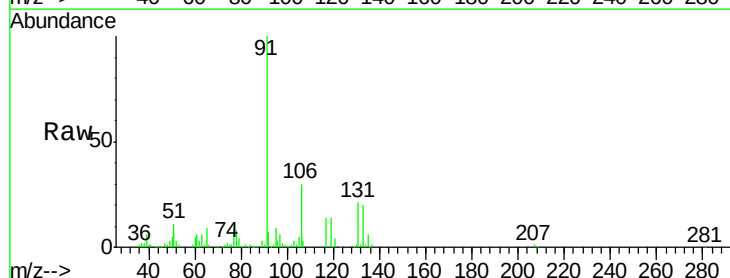
Tgt Ion:131 Resp: 44095

Ion Ratio Lower Upper

131 100

133 94.1 47.7 143.1

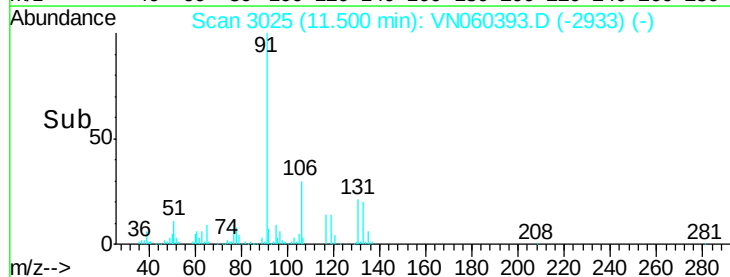
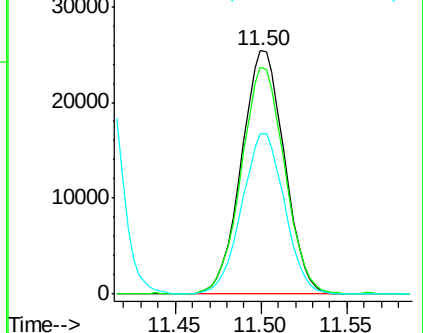
119 65.5 33.2 99.6

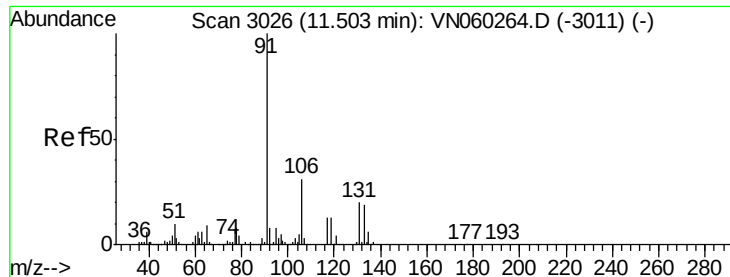


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 18.44 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN060393.D

Acq: 9 Mar 2020 11:14

Instrument :

MSVOA_N

ClientSampleId :

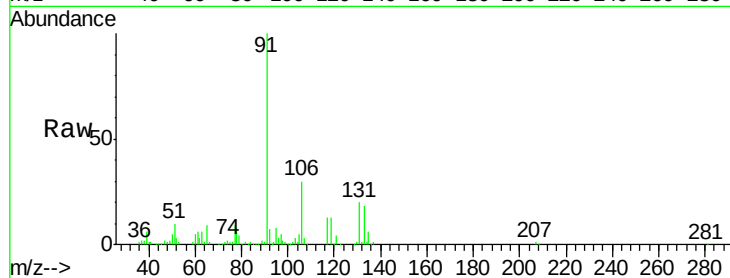
VN0309WBS01

Tgt Ion: 91 Resp: 211521

Ion Ratio Lower Upper

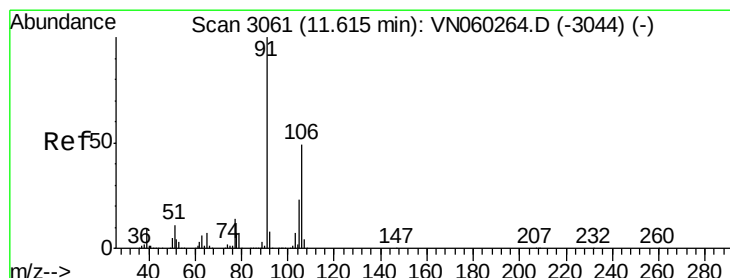
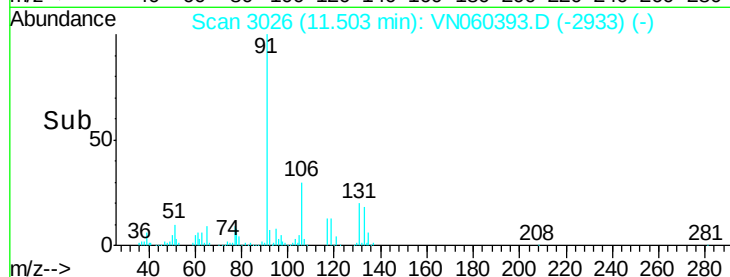
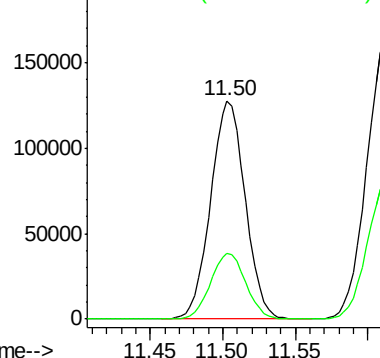
91 100

106 30.2 24.7 37.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 36.06 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN060393.D

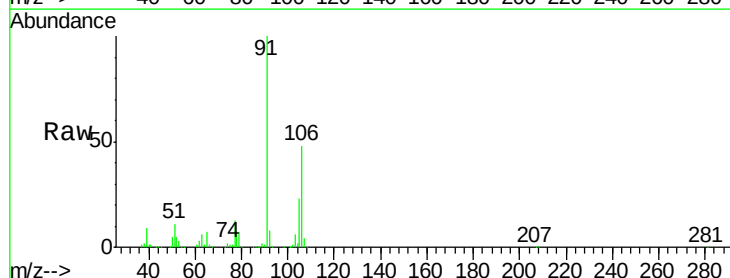
Acq: 9 Mar 2020 11:14

Tgt Ion: 106 Resp: 156035

Ion Ratio Lower Upper

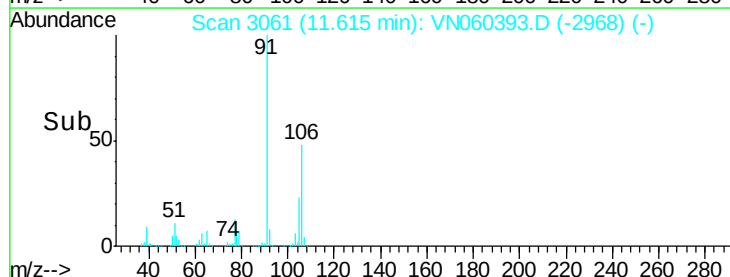
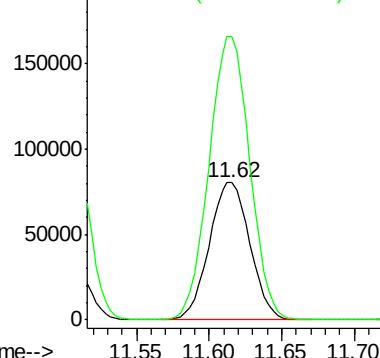
106 100

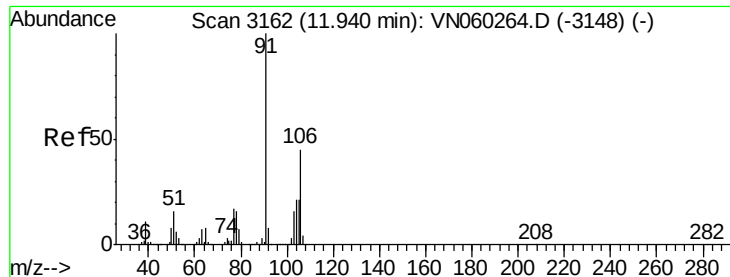
91 207.2 164.5 246.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





#69

o-Xylene

Concen: 18.19 ug/l

RT: 11.94 min Scan# 3162

Delta R.T. 0.00 min

Lab File: VN060393.D

Acq: 9 Mar 2020 11:14

Instrument :

MSVOA_N

ClientSampled :

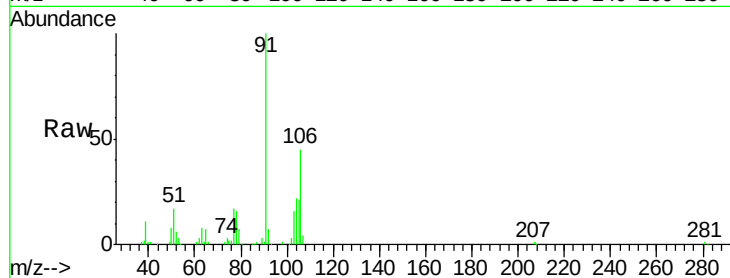
VN0309WBS01

Tgt Ion:106 Resp: 75079

Ion Ratio Lower Upper

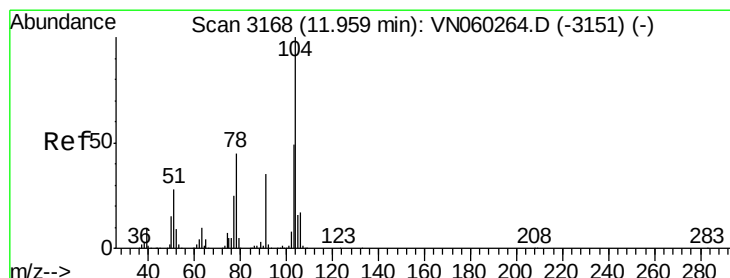
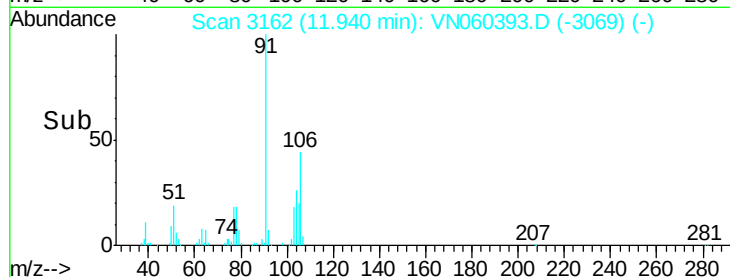
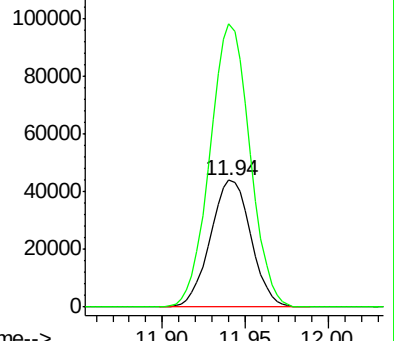
106 100

91 219.2 109.5 328.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#70

Styrene

Concen: 17.62 ug/l

RT: 11.96 min Scan# 3167

Delta R.T. -0.00 min

Lab File: VN060393.D

Acq: 9 Mar 2020 11:14

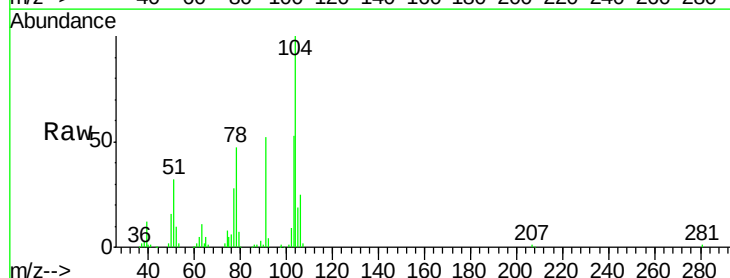
Tgt Ion:104 Resp: 119548

Ion Ratio Lower Upper

104 100

78 52.0 41.2 61.8

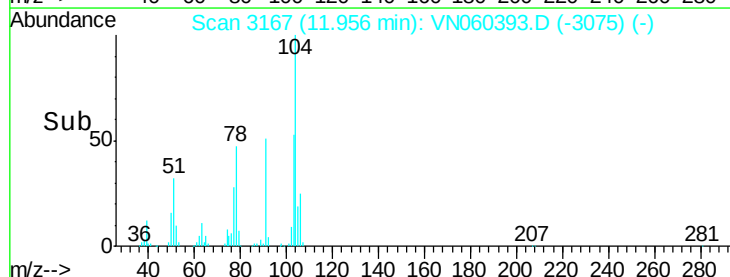
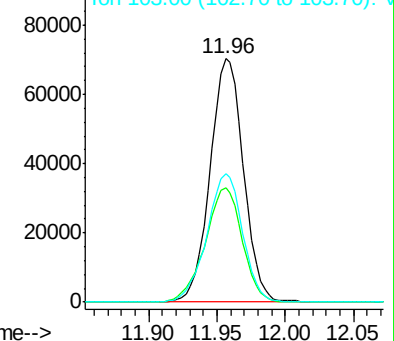
103 56.6 43.9 65.9

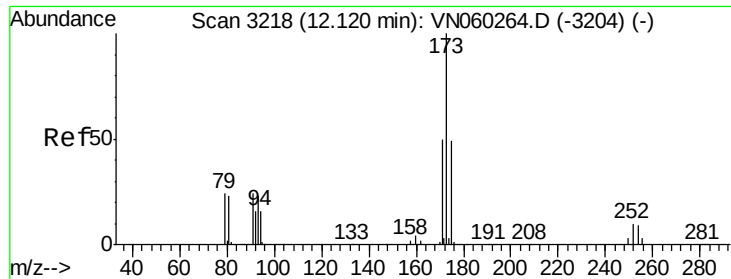


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN0

Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 18.47 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN060393.D

Acq: 9 Mar 2020 11:14

Instrument :

MSVOA_N

ClientSampleId :

VN0309WBS01

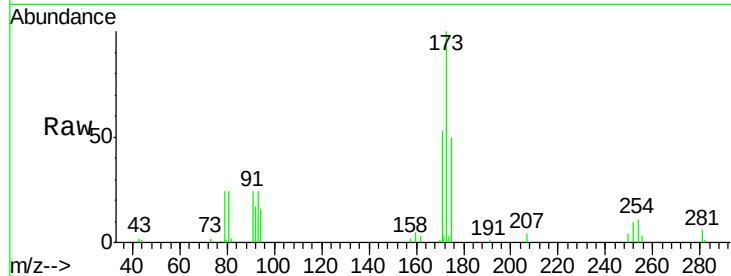
Tgt Ion:173 Resp: 31000

Ion Ratio Lower Upper

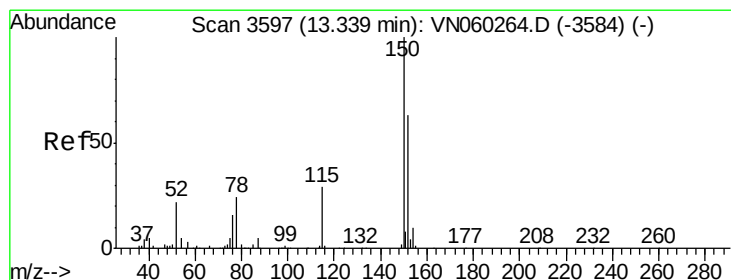
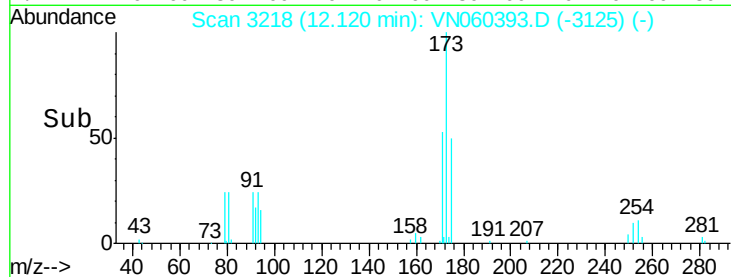
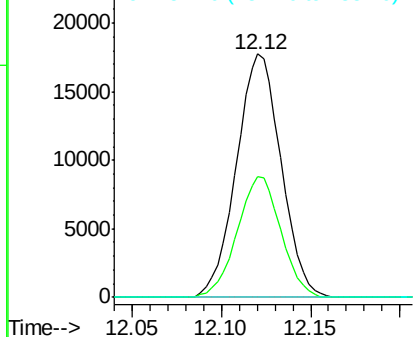
173 100

175 48.4 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: 50.00 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN060393.D

Acq: 9 Mar 2020 11:14

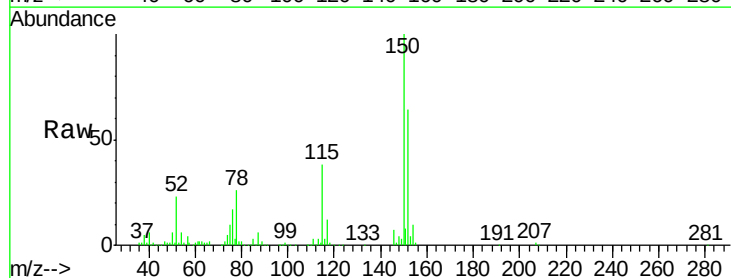
Tgt Ion:152 Resp: 147013

Ion Ratio Lower Upper

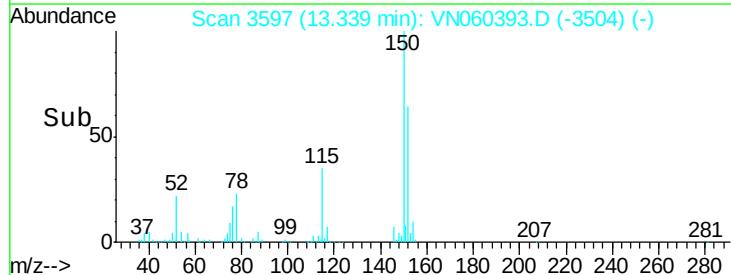
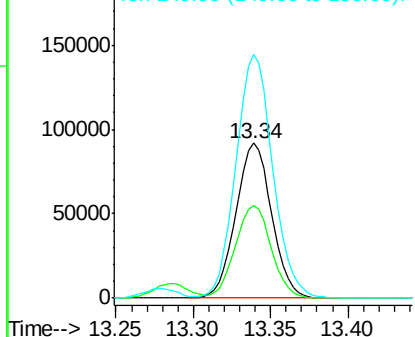
152 100

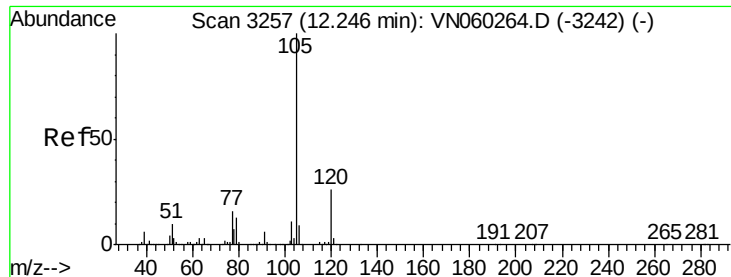
115 60.2 30.0 90.0

150 162.9 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: 18.80 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060393.D

Acq: 9 Mar 2020 11:14

Instrument :

MSVOA_N

ClientSampleId :

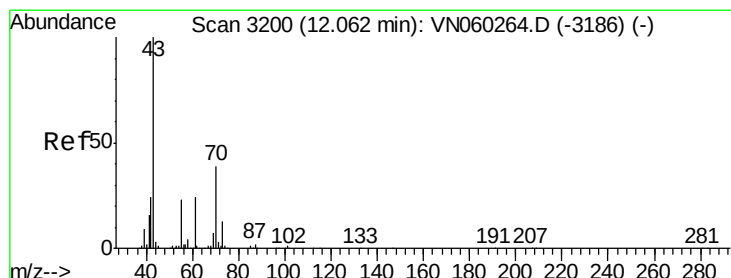
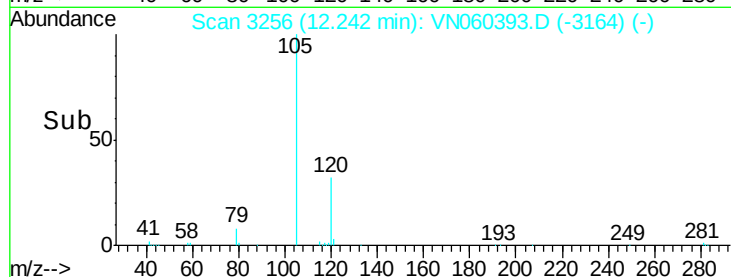
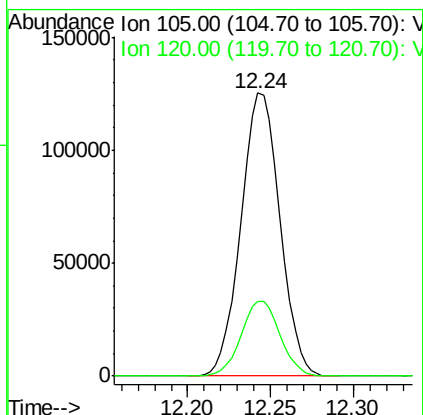
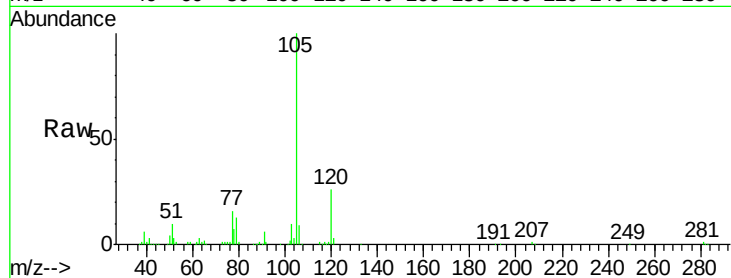
VN0309WBS01

Tgt Ion: 105 Resp: 204900

Ion Ratio Lower Upper

105 100

120 26.4 13.0 38.9



#74

N-amyl acetate

Concen: 18.27 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN060393.D

Acq: 9 Mar 2020 11:14

Tgt Ion: 43 Resp: 87000

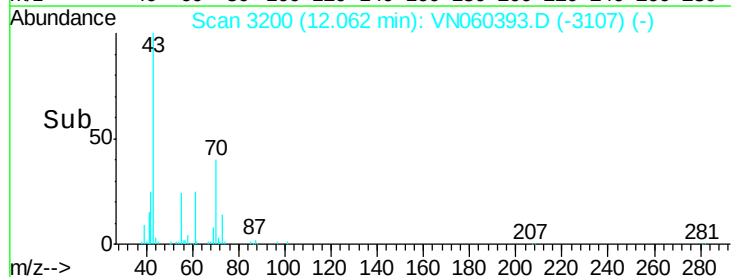
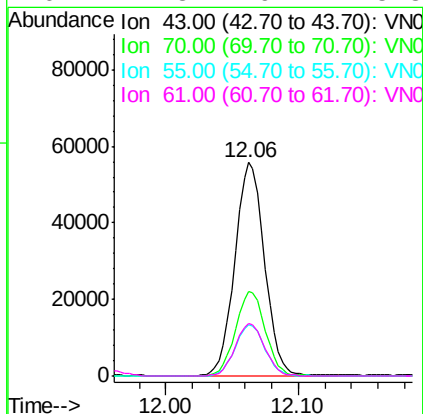
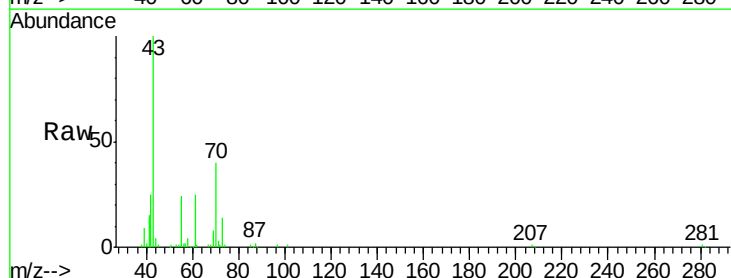
Ion Ratio Lower Upper

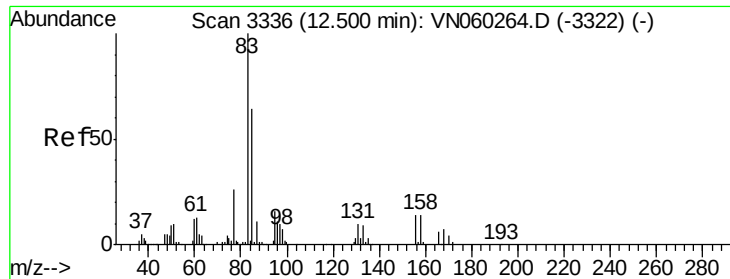
43 100

70 39.6 32.2 48.2

55 23.6 18.2 27.4

61 24.3 19.2 28.8





#75

1,1,2,2-Tetrachloroethane

Concen: 19.45 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060393.D

Acq: 9 Mar 2020 11:14

Instrument :

MSVOA_N

ClientSampleId :

VN0309WBS01

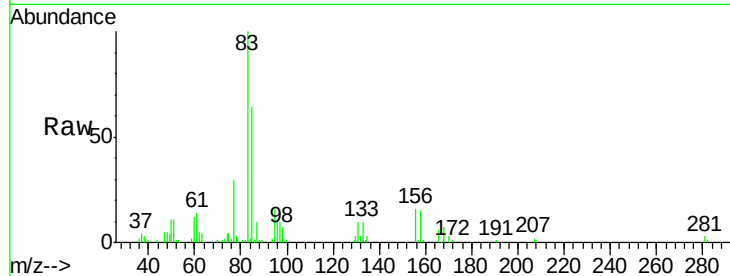
Tgt Ion: 83 Resp: 57611

Ion Ratio Lower Upper

83 100

131 9.5 5.1 15.3

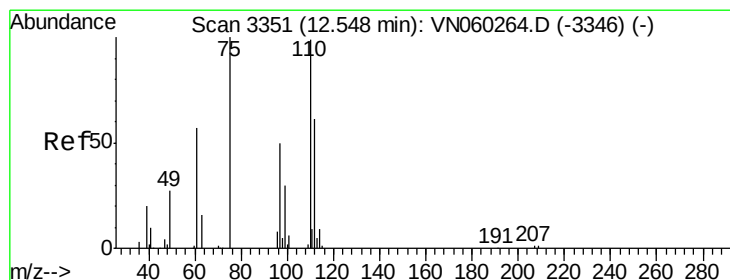
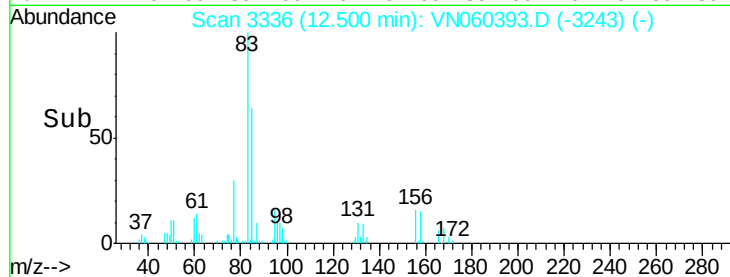
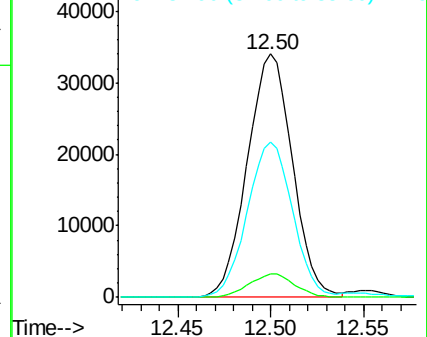
85 63.9 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 25.34 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN060393.D

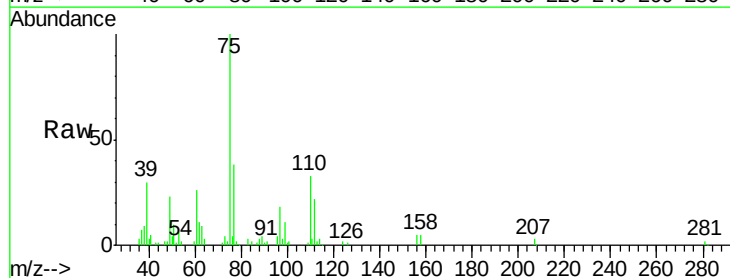
Acq: 9 Mar 2020 11:14

Tgt Ion: 75 Resp: 81734

Ion Ratio Lower Upper

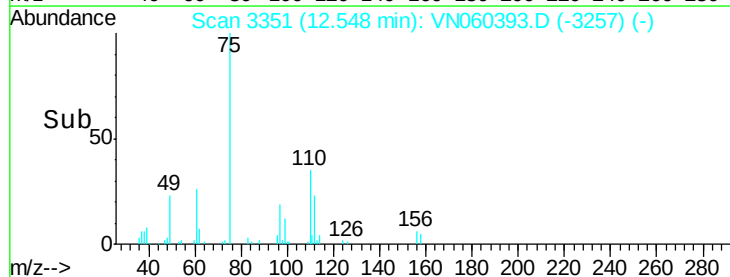
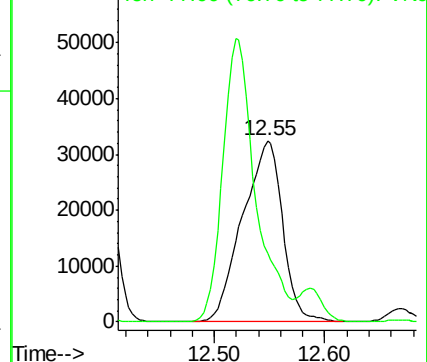
75 100

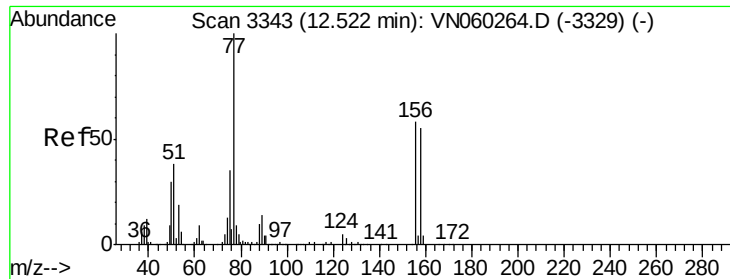
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

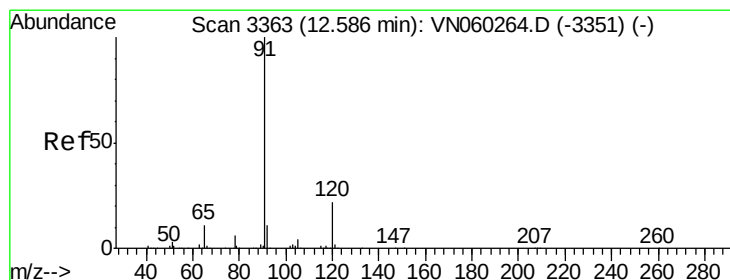
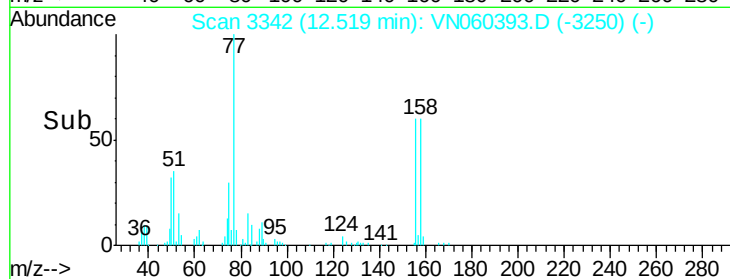
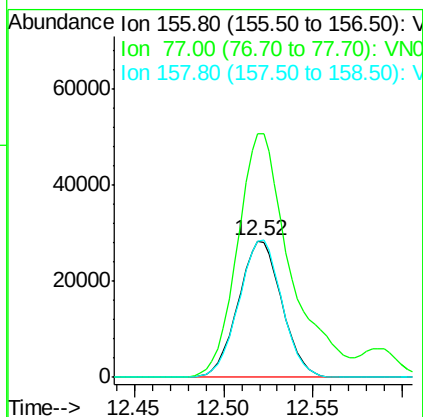
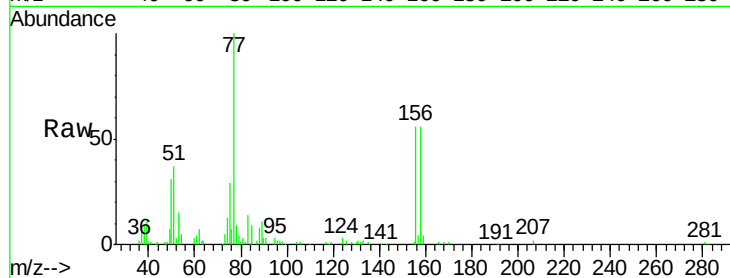




#77
Bromobenzene
Concen: 18.16 ug/l
RT: 12.52 min Scan# 3342
Delta R.T. -0.00 min
Lab File: VN060393.D
Acq: 9 Mar 2020 11:14

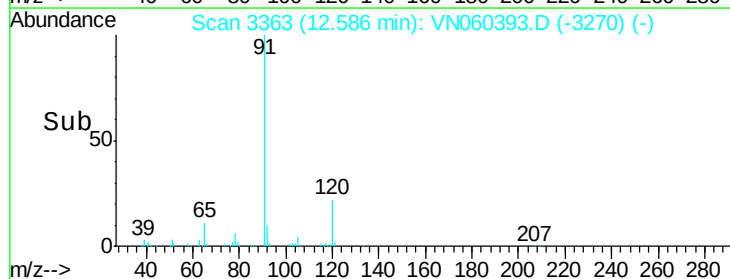
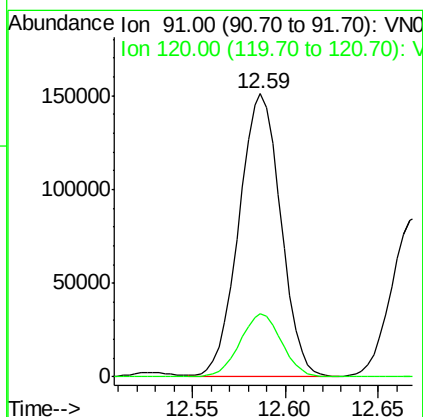
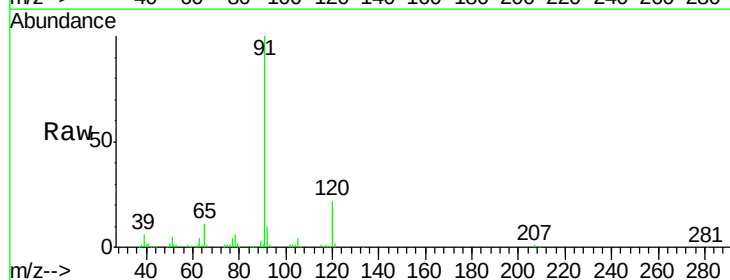
Instrument :
MSVOA_N
ClientSampleId :
VN0309WBS01

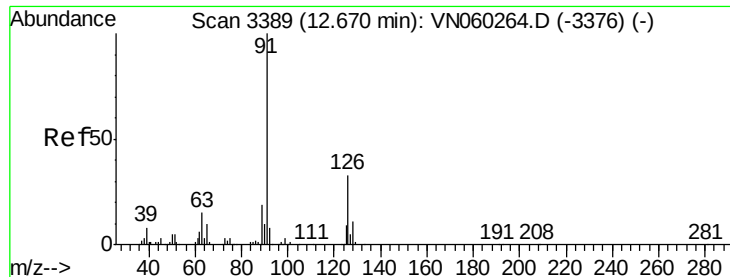
Tgt Ion:156 Resp: 48501
Ion Ratio Lower Upper
156 100
77 216.4 106.1 318.3
158 99.6 48.3 144.8



#78
n-propylbenzene
Concen: 18.51 ug/l
RT: 12.59 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN060393.D
Acq: 9 Mar 2020 11:14

Tgt Ion: 91 Resp: 236392
Ion Ratio Lower Upper
91 100
120 22.2 11.3 33.9





#79

2-Chlorotoluene

Concen: 18.77 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN060393.D

Acq: 9 Mar 2020 11:14

Instrument :

MSVOA_N

ClientSampleId :

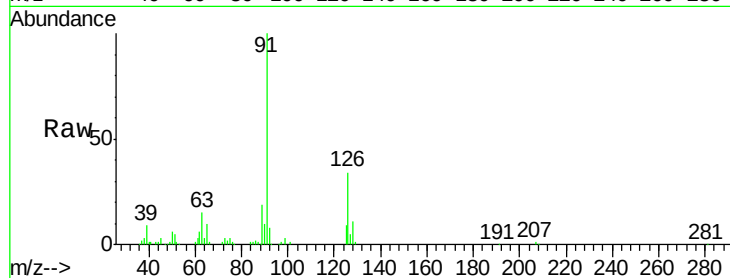
VN0309WBS01

Tgt Ion: 91 Resp: 140903

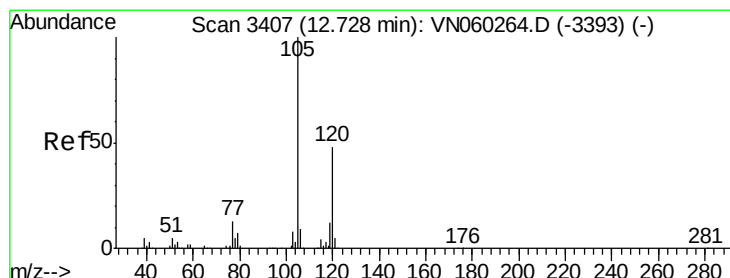
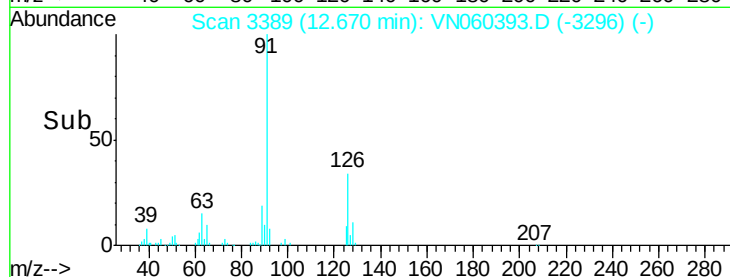
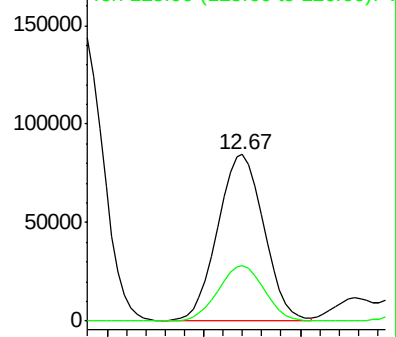
Ion Ratio Lower Upper

91 100

126 33.3 16.6 49.8



Abundance Ion 91.00 (90.70 to 91.70): VN060264.D (-3376) (-)



#80

1,3,5-Trimethylbenzene

Concen: 18.87 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN060393.D

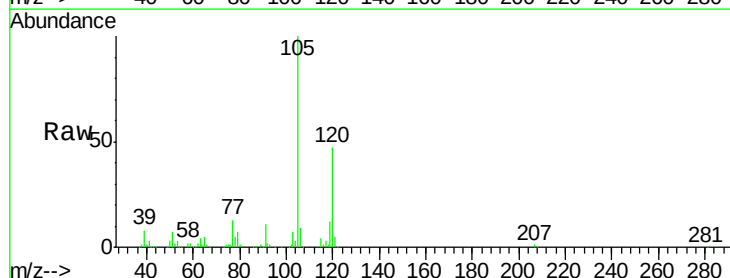
Acq: 9 Mar 2020 11:14

Tgt Ion: 105 Resp: 173124

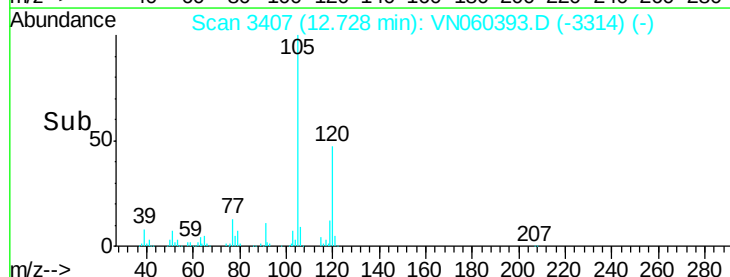
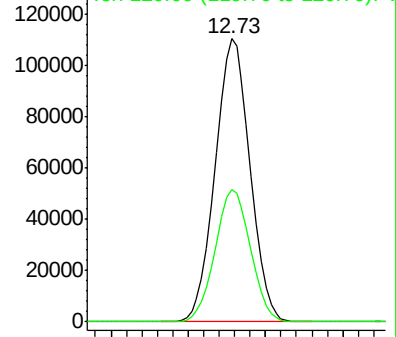
Ion Ratio Lower Upper

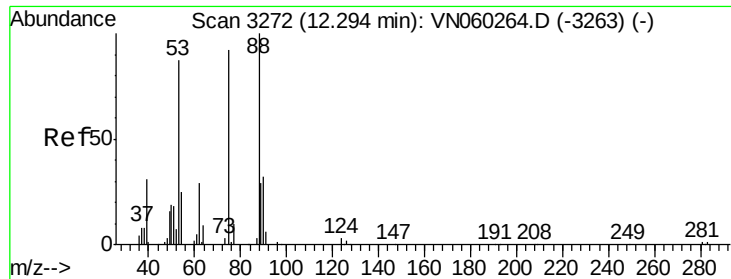
105 100

120 47.3 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN060264.D (-3393) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 18.75 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VN060393.D

Acq: 9 Mar 2020 11:14

Instrument :

MSVOA_N

ClientSampleId :

VN0309WBS01

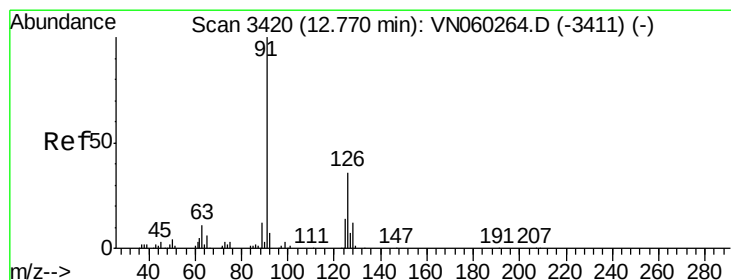
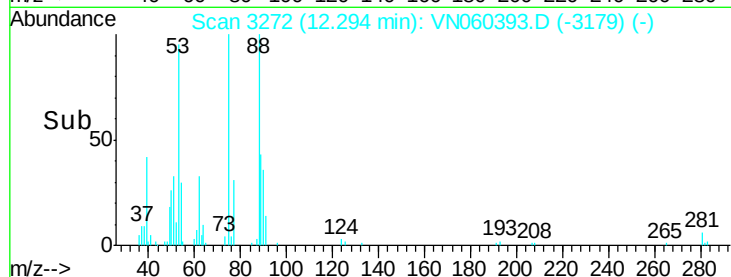
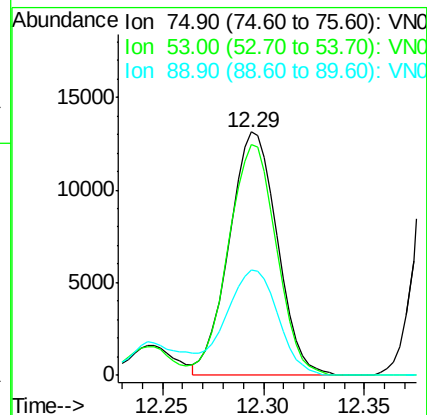
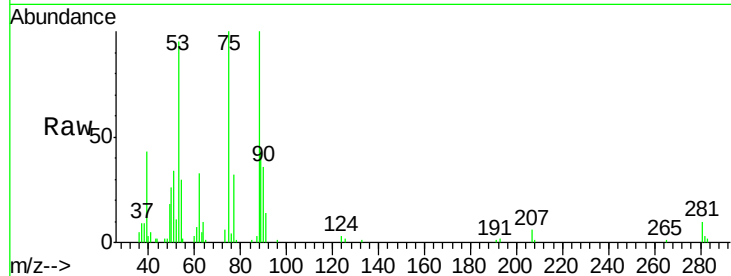
Tgt Ion: 75 Resp: 21909

Ion Ratio Lower Upper

75 100

53 94.9 73.8 110.6

89 46.4 57.1 85.7#



#82

4-Chlorotoluene

Concen: 18.28 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN060393.D

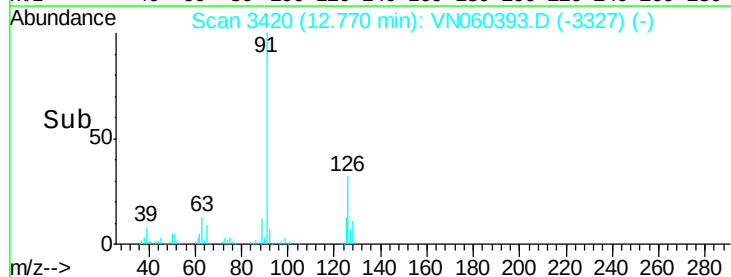
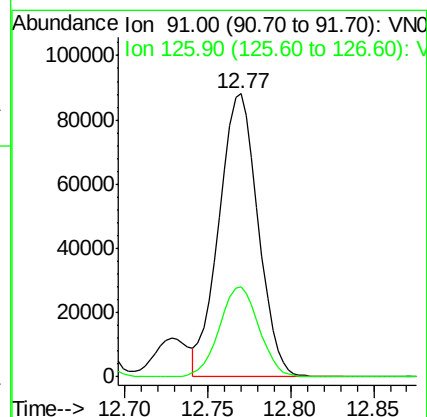
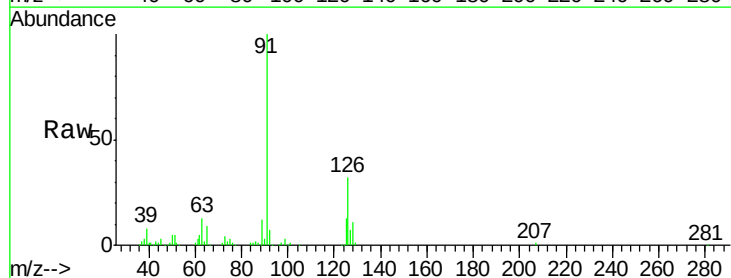
Acq: 9 Mar 2020 11:14

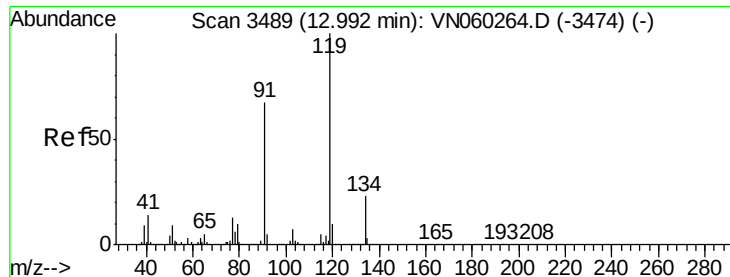
Tgt Ion: 91 Resp: 144633

Ion Ratio Lower Upper

91 100

126 32.1 16.7 50.1

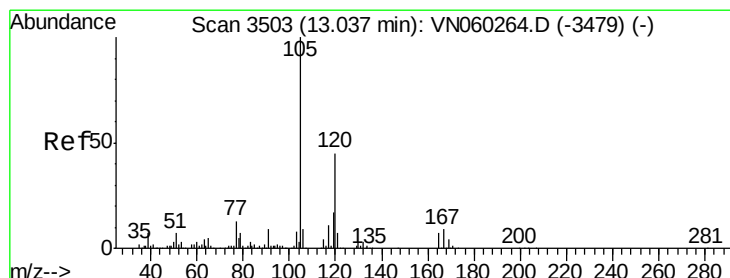
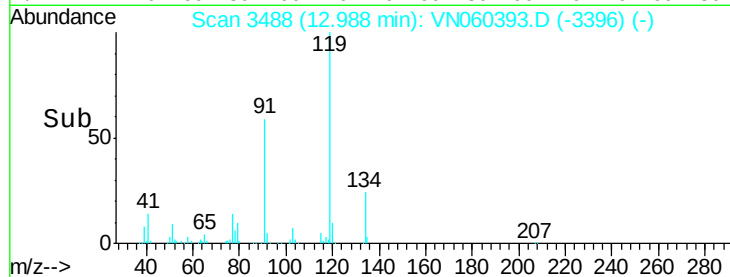
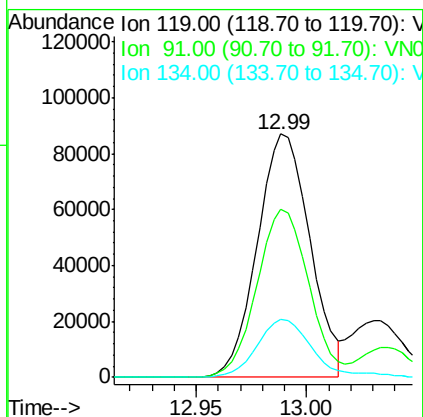
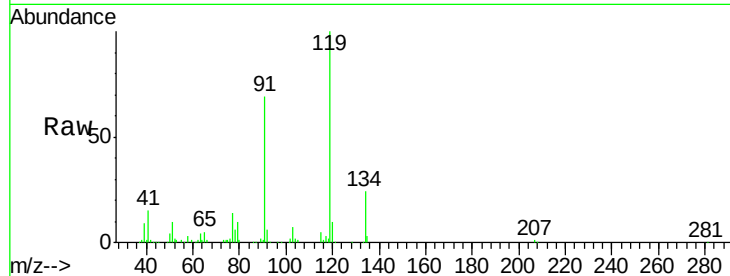




#83
 tert-Butylbenzene
 Concen: 18.17 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. -0.00 min
 Lab File: VN060393.D
 Acq: 9 Mar 2020 11:14

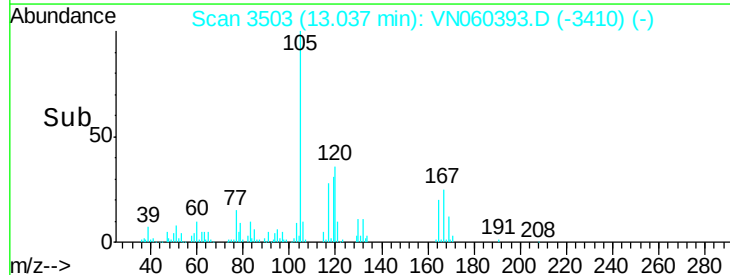
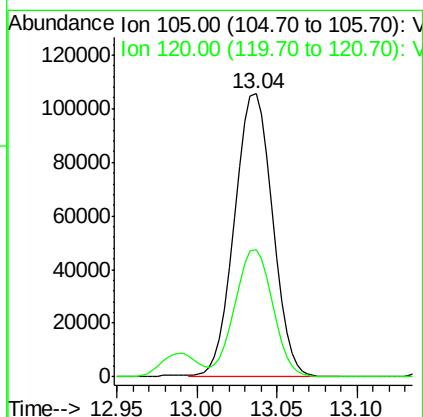
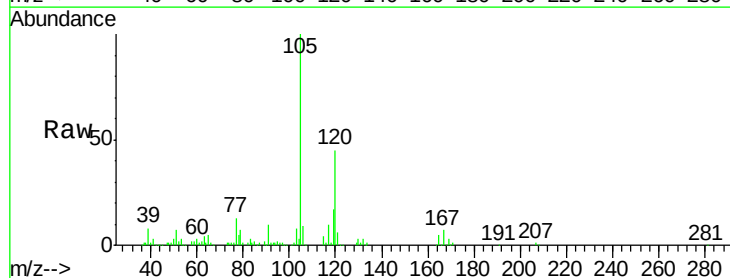
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0309WBS01

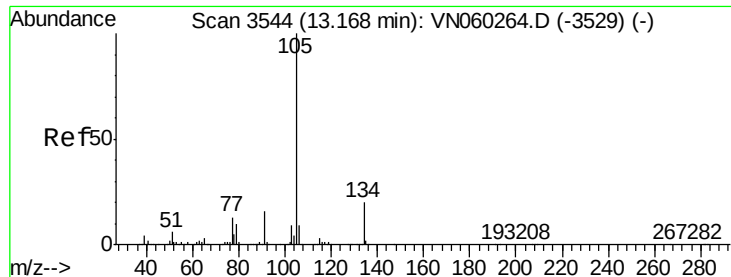
Tgt Ion:119 Resp: 144343
 Ion Ratio Lower Upper
 119 100
 91 68.1 33.1 99.2
 134 25.0 12.4 37.0



#84
 1,2,4-Trimethylbenzene
 Concen: 18.48 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN060393.D
 Acq: 9 Mar 2020 11:14

Tgt Ion:105 Resp: 171167
 Ion Ratio Lower Upper
 105 100
 120 44.8 22.3 66.9





#85

sec-Butylbenzene

Concen: 18.44 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN060393.D

Acq: 9 Mar 2020 11:14

Instrument :

MSVOA_N

ClientSampled :

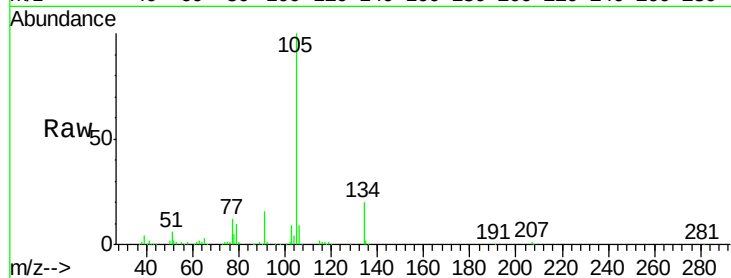
VN0309WBS01

Tgt Ion:105 Resp: 196113

Ion Ratio Lower Upper

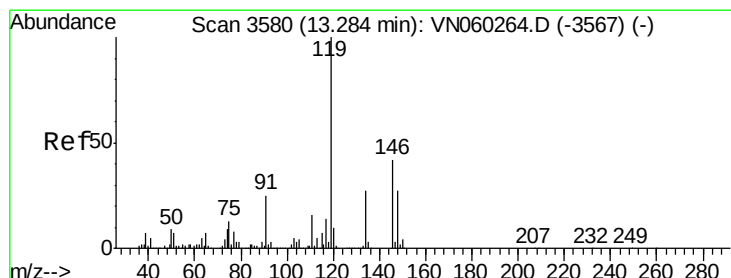
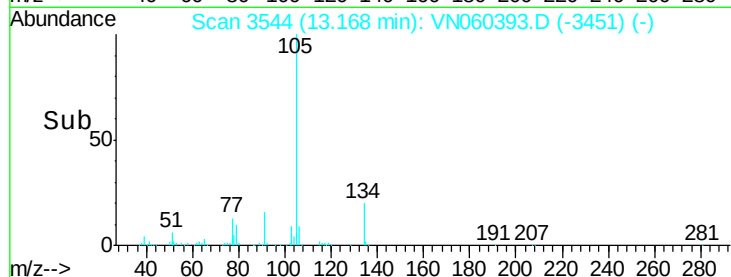
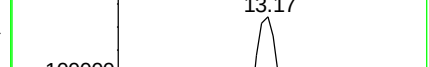
105 100

134 19.5 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 17.89 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN060393.D

Acq: 9 Mar 2020 11:14

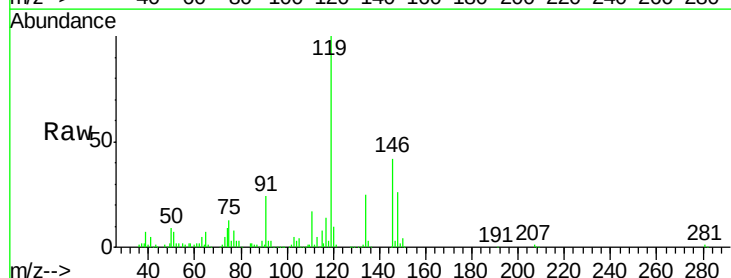
Tgt Ion:119 Resp: 176091

Ion Ratio Lower Upper

119 100

134 25.5 13.2 39.6

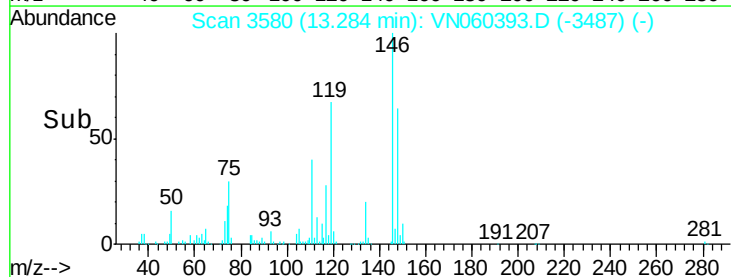
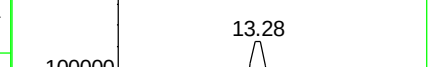
91 24.1 12.2 36.6

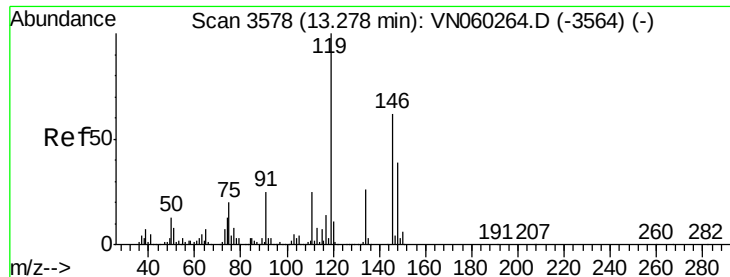


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

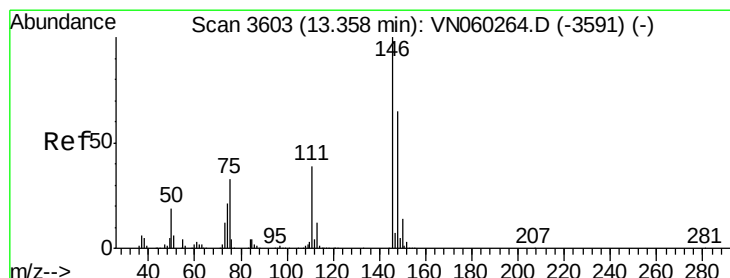
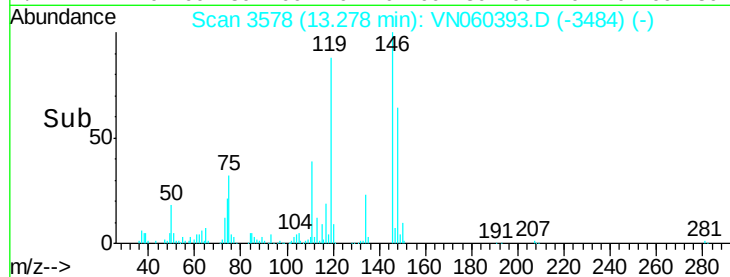
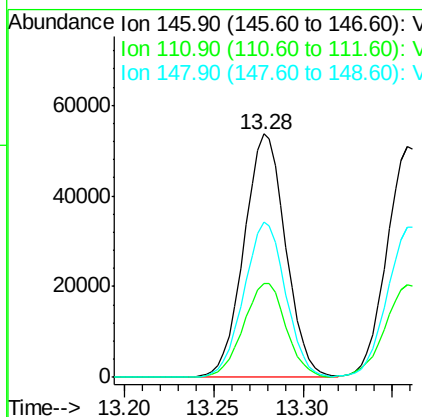
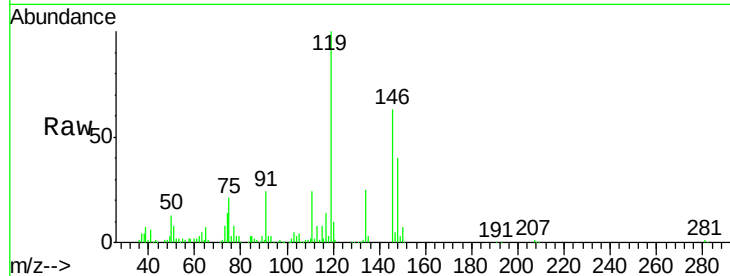




#87
 1,3-Dichlorobenzene
 Concen: 18.93 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. 0.00 min
 Lab File: VN060393.D
 Acq: 9 Mar 2020 11:14

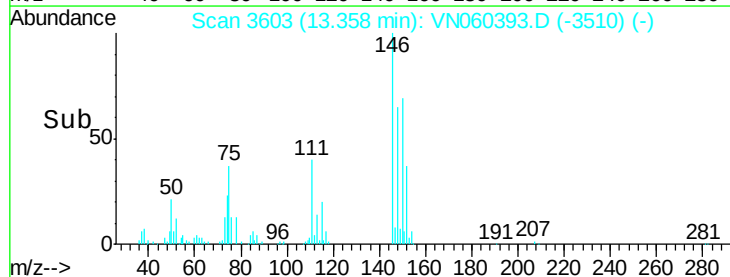
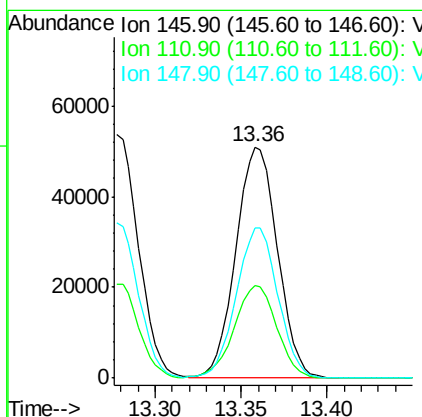
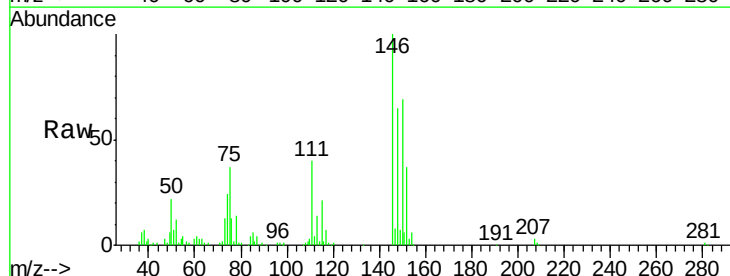
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0309WBS01

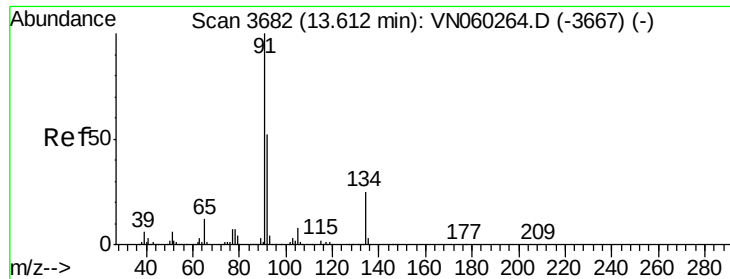
Tgt Ion:146 Resp: 87421
 Ion Ratio Lower Upper
 146 100
 111 39.3 20.0 59.9
 148 63.7 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 18.61 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN060393.D
 Acq: 9 Mar 2020 11:14

Tgt Ion:146 Resp: 85899
 Ion Ratio Lower Upper
 146 100
 111 41.3 19.8 59.4
 148 65.2 32.3 96.9

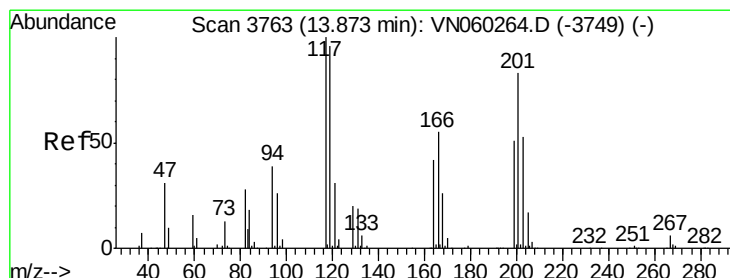
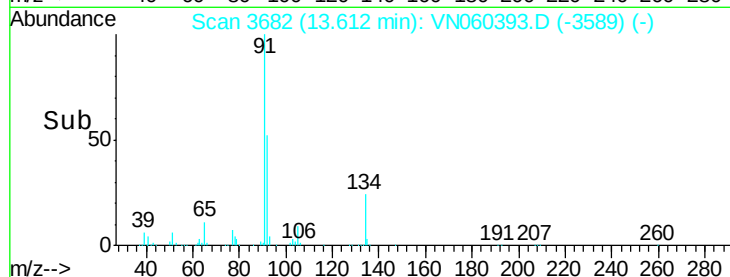
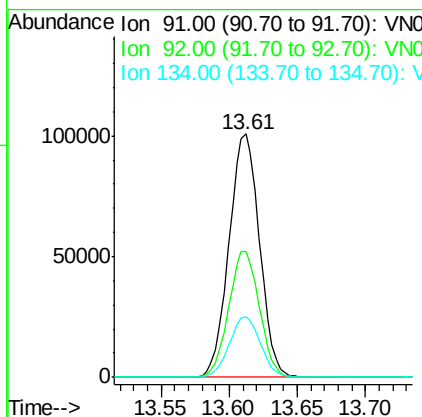
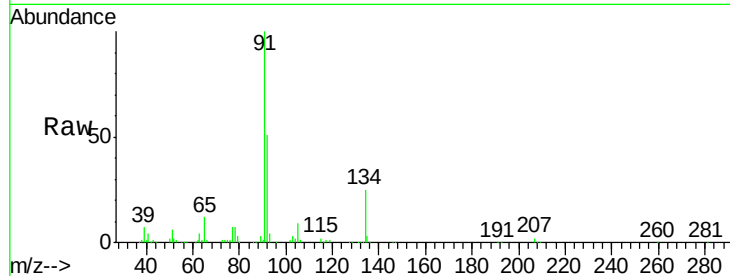




#89
n-Butylbenzene
Concen: 17.33 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN060393.D
Acq: 9 Mar 2020 11:14

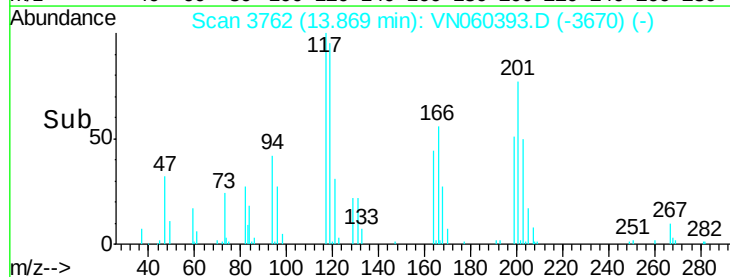
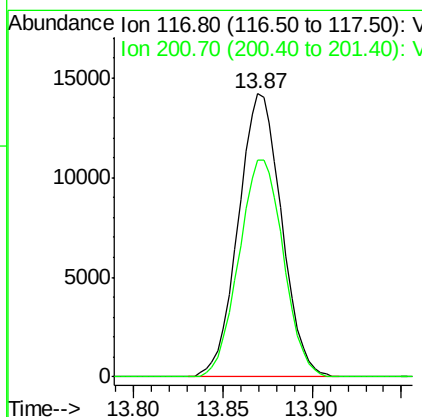
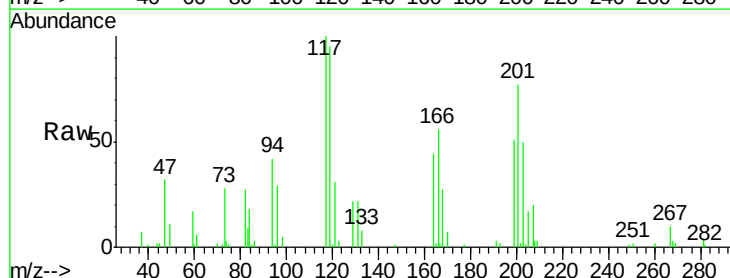
Instrument :
MSVOA_N
ClientSampled :
VN0309WBS01

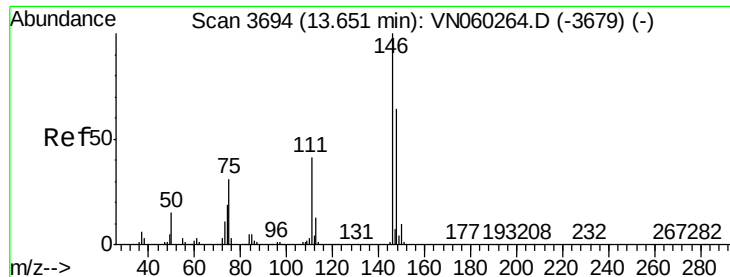
Tgt Ion: 91 Resp: 156604
Ion Ratio Lower Upper
91 100
92 52.0 26.0 78.0
134 25.4 12.7 38.1



#90
Hexachloroethane
Concen: 16.87 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN060393.D
Acq: 9 Mar 2020 11:14

Tgt Ion: 117 Resp: 24041
Ion Ratio Lower Upper
117 100
201 78.8 41.0 123.0

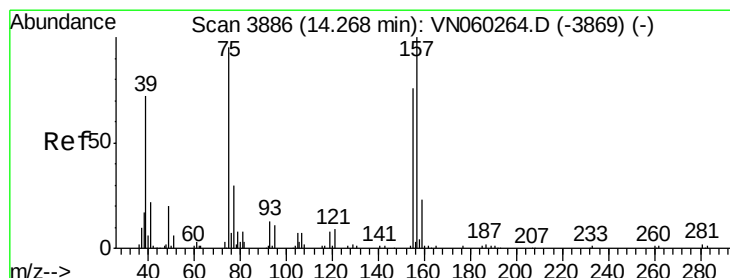
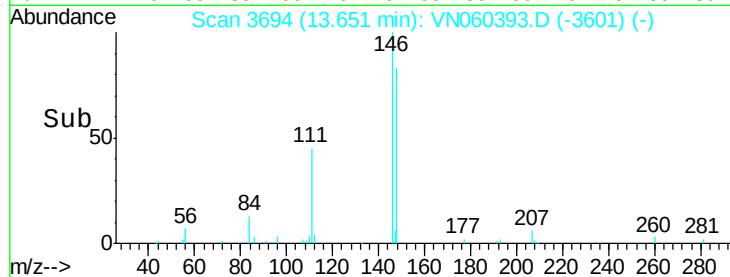
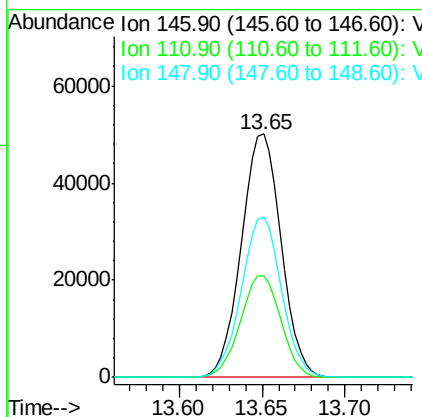
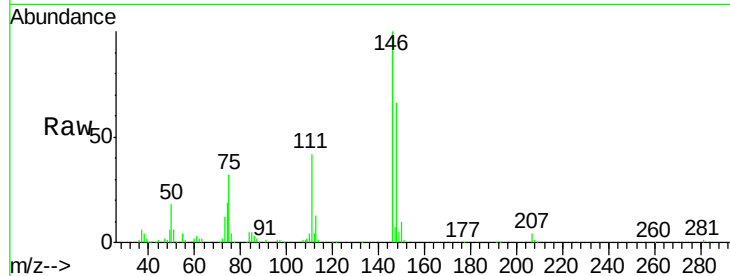




#91
 1,2-Dichlorobenzene
 Concen: 17.94 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN060393.D
 Acq: 9 Mar 2020 11:14

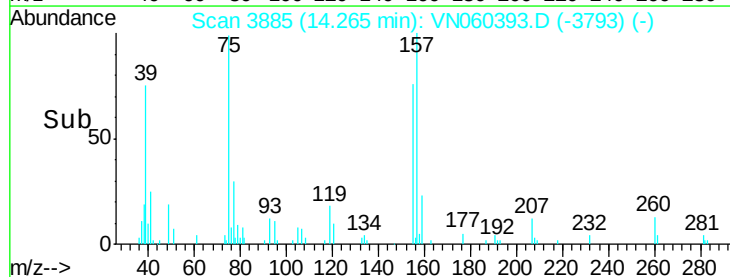
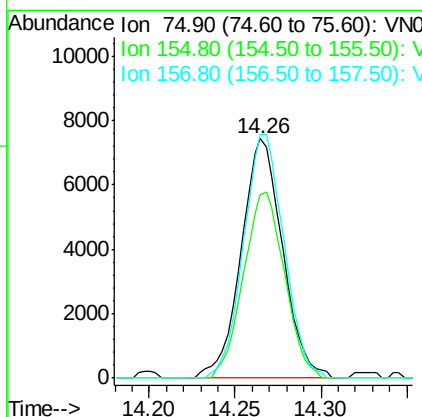
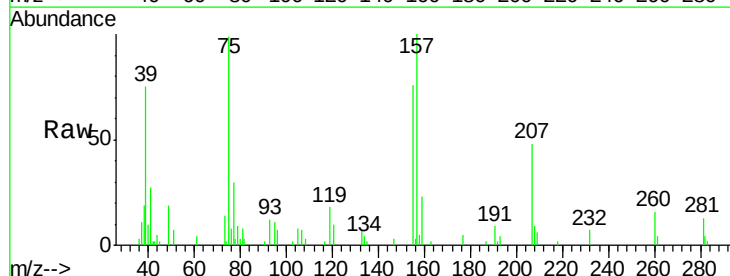
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0309WBS01

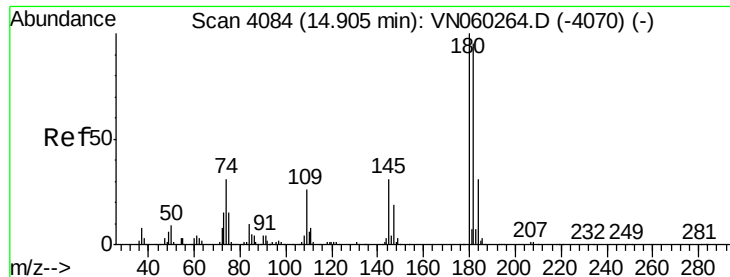
Tgt Ion: 146 Resp: 83971
 Ion Ratio Lower Upper
 146 100
 111 42.4 20.3 61.0
 148 66.4 31.8 95.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.55 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VN060393.D
 Acq: 9 Mar 2020 11:14

Tgt Ion: 75 Resp: 12443
 Ion Ratio Lower Upper
 75 100
 155 76.7 40.4 121.2
 157 99.4 52.5 157.5

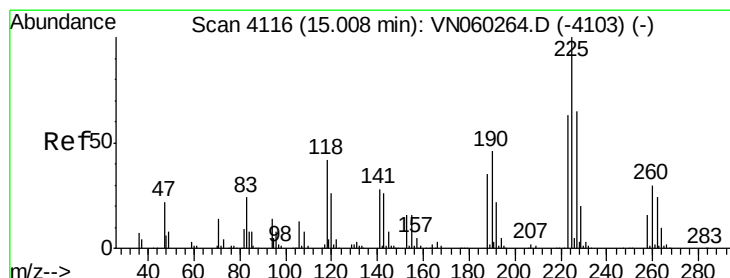
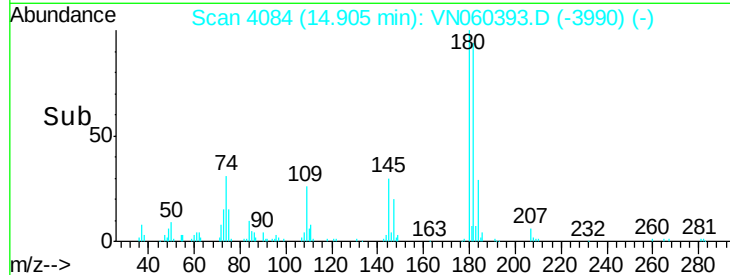
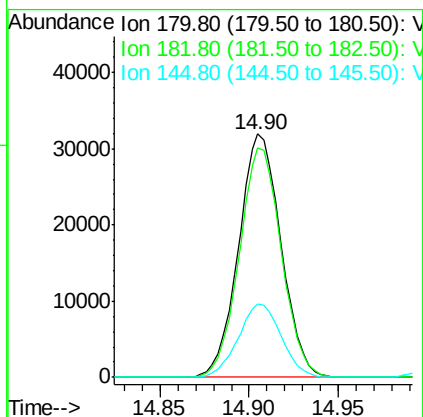
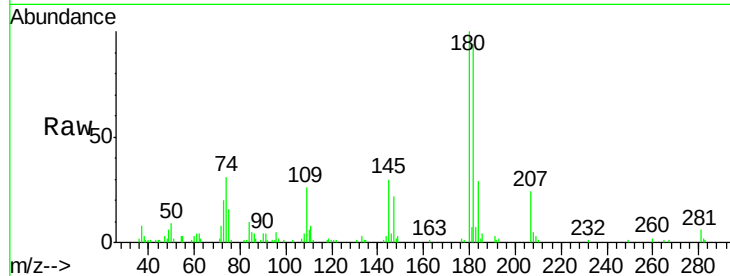




#93
 1,2,4-Trichlorobenzene
 Concen: 17.76 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN060393.D
 Acq: 9 Mar 2020 11:14

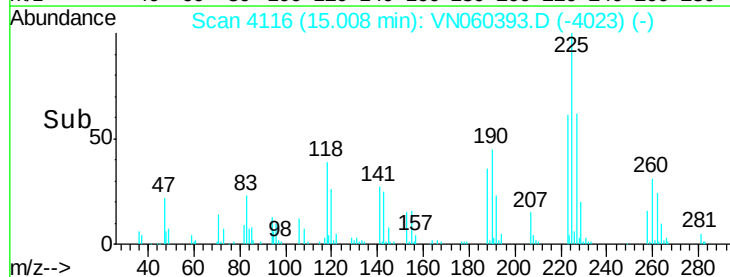
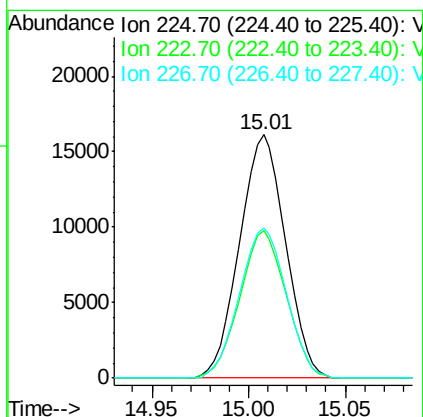
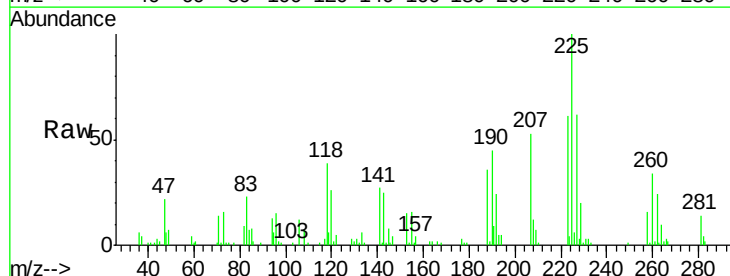
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0309WBS01

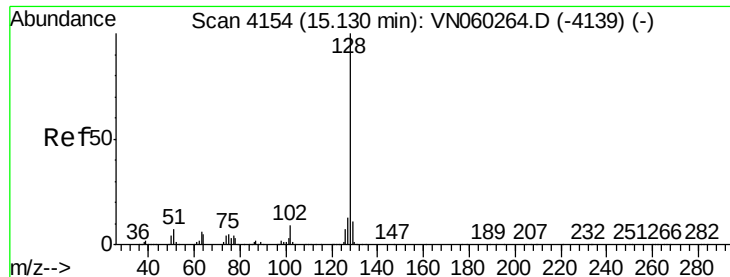
Tgt Ion:180 Resp: 52647
 Ion Ratio Lower Upper
 180 100
 182 93.8 47.8 143.3
 145 30.7 15.4 46.1



#94
 Hexachlorobutadiene
 Concen: 19.14 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060393.D
 Acq: 9 Mar 2020 11:14

Tgt Ion:225 Resp: 26650
 Ion Ratio Lower Upper
 225 100
 223 61.0 31.3 93.9
 227 63.0 32.3 96.9





#95

Naphthalene

Concen: 17.08 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. -0.00 min

Lab File: VN060393.D

Acq: 9 Mar 2020 11:14

Instrument :

MSVOA_N

ClientSampleId :

VN0309WBS01

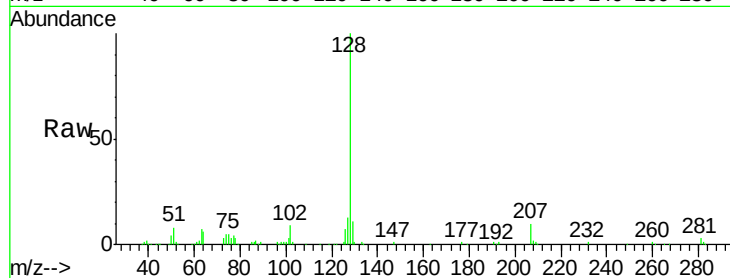
Tgt Ion:128 Resp: 151205

Ion Ratio Lower Upper

128 100

127 13.1 10.4 15.6

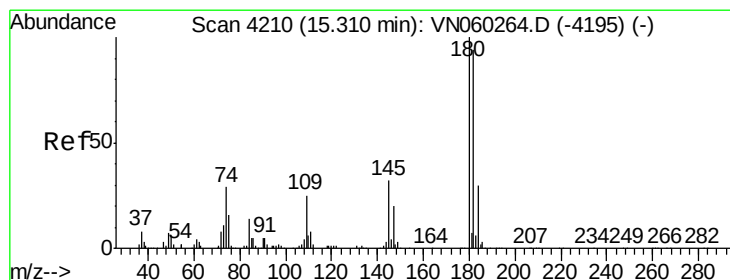
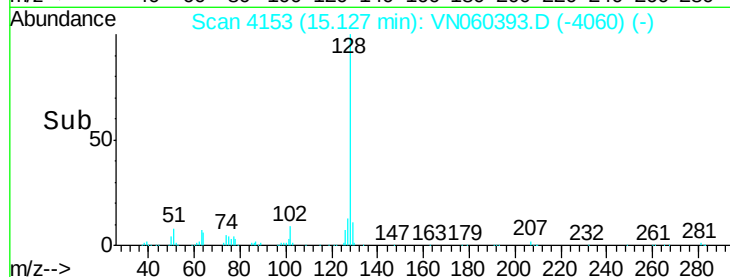
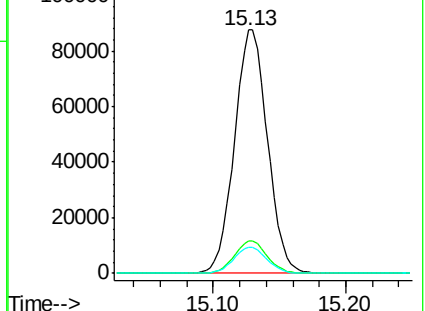
129 10.8 8.6 13.0



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: 17.80 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. 0.00 min

Lab File: VN060393.D

Acq: 9 Mar 2020 11:14

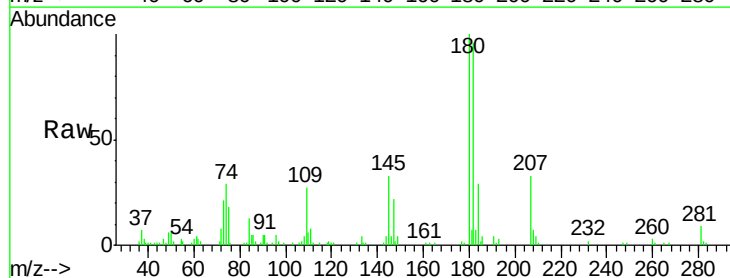
Tgt Ion:180 Resp: 50193

Ion Ratio Lower Upper

180 100

182 95.8 47.3 142.0

145 32.2 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

