

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN030220\
 Data File : VN060302.D
 Acq On : 2 Mar 2020 11:40
 Operator : JC/MD
 Sample : VN0302MBS01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 03 05:43:54 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	207725	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	339711	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	312966	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	149751	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	133576	50.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.24%	
35) Dibromofluoromethane	7.56	113	90965	57.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.38%	
50) Toluene-d8	10.08	98	382198	47.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.78%	
62) 4-Bromofluorobenzene	12.40	95	143031	47.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	35101	18.430	ug/l	98
3) Chloromethane	2.04	50	61237	18.468	ug/l	98
4) Vinyl Chloride	2.16	62	49957	17.568	ug/l	98
5) Bromomethane	2.54	94	20449	16.242	ug/l	98
6) Chloroethane	2.68	64	27383	17.773	ug/l	98
7) Trichlorofluoromethane	3.00	101	65607	18.057	ug/l	99
8) Diethyl Ether	3.38	74	26550	19.354	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	37908	18.436	ug/l	99
10) Methyl Iodide	3.92	142	34658	18.468	ug/l	100
11) Tert butyl alcohol	4.72	59	39033	98.633	ug/l	100
12) 1,1-Dichloroethene	3.71	96	38298	19.143	ug/l	100
13) Acrolein	3.57	56	33965	91.999	ug/l	99
14) Allyl chloride	4.29	41	66060	17.953	ug/l	93
15) Acrylonitrile	4.94	53	101754	97.550	ug/l	100
16) Acetone	3.78	43	82623	96.000	ug/l	98
17) Carbon Disulfide	4.03	76	99654	18.371	ug/l	99
18) Methyl Acetate	4.28	43	53014	18.458	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	139548	19.259	ug/l	97
20) Methylene Chloride	4.52	84	43670	18.476	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	41430	19.059	ug/l	98
22) Diisopropyl ether	5.91	45	146824	19.699	ug/l	97
23) Vinyl Acetate	5.86	43	592309	100.007	ug/l	100
24) 1,1-Dichloroethane	5.81	63	81005	19.200	ug/l	98
25) 2-Butanone	6.80	43	136225	97.992	ug/l	100
26) 2,2-Dichloropropane	6.79	77	71138	18.521	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	49290	17.984	ug/l	99
28) Bromochloromethane	7.17	49	32555	18.793	ug/l	99
29) Tetrahydrofuran	7.18	42	91916	95.083	ug/l	100
30) Chloroform	7.35	83	79947	19.035	ug/l	98
31) Cyclohexane	7.63	56	73561	19.617	ug/l	97
32) 1,1,1-Trichloroethane	7.54	97	70863	19.043	ug/l	99
36) 1,1-Dichloropropene	7.77	75	57854	17.869	ug/l	99
37) Ethyl Acetate	6.90	43	60070	19.595	ug/l	99
38) Carbon Tetrachloride	7.75	117	58562	18.578	ug/l	97

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Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 03 05:43:54 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)
39) Methylcyclohexane	9.06	83	70119	18.369	ug/l	97
40) Benzene	8.02	78	176415	18.721	ug/l	99
41) Methacrylonitrile	7.14	41	29911	21.131	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	66415	19.531	ug/l	100
43) Isopropyl Acetate	8.14	43	105676	19.690	ug/l	98
44) Trichloroethene	8.82	130	48022	18.298	ug/l	99
45) 1,2-Dichloropropane	9.10	63	48042	19.500	ug/l	98
46) Dibromomethane	9.19	93	30966	19.370	ug/l	99
47) Bromodichloromethane	9.39	83	63290	19.466	ug/l	99
48) Methyl methacrylate	9.18	41	45797	18.713	ug/l	98
49) 1,4-Dioxane	9.18	88	13150	382.083	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	294156	96.669	ug/l	100
52) Toluene	10.14	92	109378	18.478	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	74291	18.647	ug/l	97
54) cis-1,3-Dichloropropene	9.82	75	79439	19.243	ug/l	100
55) 1,1,2-Trichloroethane	10.55	97	44193	18.565	ug/l	97
56) Ethyl methacrylate	10.42	69	65214	19.069	ug/l	97
57) 1,3-Dichloropropane	10.70	76	76081	19.598	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	169412	94.717	ug/l	99
59) 2-Hexanone	10.74	43	211775	94.788	ug/l	100
60) Dibromochloromethane	10.89	129	46070	19.031	ug/l	99
61) 1,2-Dibromoethane	10.99	107	44295	19.089	ug/l	99
64) Tetrachloroethene	10.62	164	51014	19.850	ug/l	99
65) Chlorobenzene	11.43	112	116744	18.473	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	44242	18.934	ug/l	99
67) Ethyl Benzene	11.50	91	215149	18.695	ug/l	99
68) m/p-Xylenes	11.61	106	159032	36.626	ug/l	99
69) o-Xylene	11.94	106	78097	18.862	ug/l	98
70) Styrene	11.96	104	123497	18.141	ug/l	99
71) Bromoform	12.12	173	31478	18.692	ug/l #	100
73) Isopropylbenzene	12.25	105	208263	18.763	ug/l	99
74) N-amyl acetate	12.06	43	89625	18.479	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	57950	19.207	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	83773	25.497	ug/l #	100
77) Bromobenzene	12.52	156	50364	18.511	ug/l	98
78) n-propylbenzene	12.59	91	241911	18.594	ug/l	100
79) 2-Chlorotoluene	12.67	91	142290	18.605	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	175701	18.801	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	22811	19.165	ug/l #	86
82) 4-Chlorotoluene	12.77	91	147934	18.360	ug/l	100
83) tert-Butylbenzene	12.99	119	152626	18.864	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	177465	18.814	ug/l	100
85) sec-Butylbenzene	13.17	105	202310	18.672	ug/l	100
86) p-Isopropyltoluene	13.28	119	184405	18.389	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	91143	19.379	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	90574	19.273	ug/l	100
89) n-Butylbenzene	13.61	91	167967	18.246	ug/l	100
90) Hexachloroethane	13.87	117	25473	17.549	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	87568	18.368	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	12321	18.033	ug/l	98

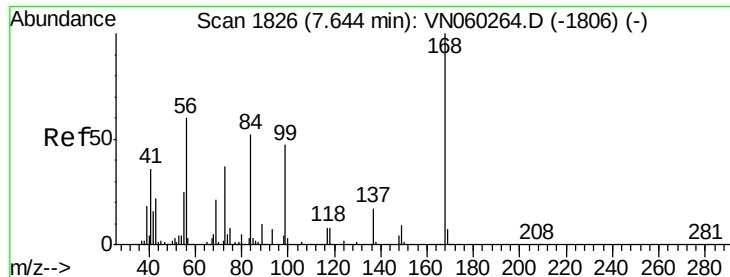
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN030220\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	59041	19.544	ug/l	99
94) Hexachlorobutadiene	15.01	225	28676	20.253	ug/l	99
95) Naphthalene	15.13	128	168450	18.709	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	56583	19.723	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060302.D

Acq: 2 Mar 2020 11:40

Instrument :

MSVOA_N

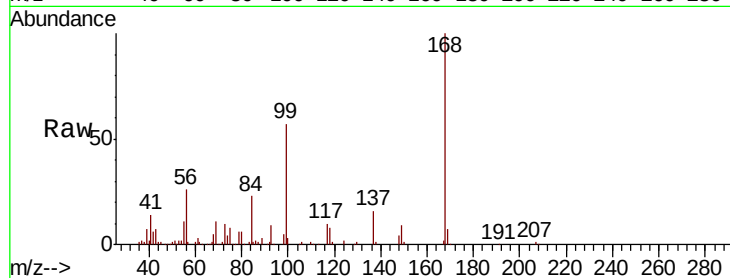
ClientSampleId :

Tot Ion:168 Resp: 207725

Ion Ratio Lower Upper

168 100

99 56.7 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

80000

60000

40000

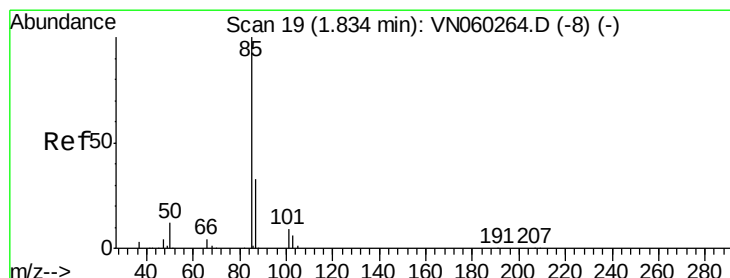
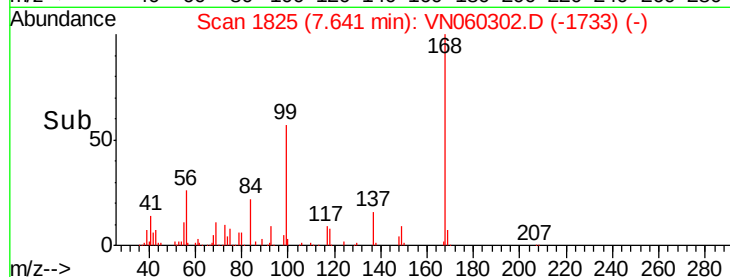
20000

0

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 18.430 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060302.D

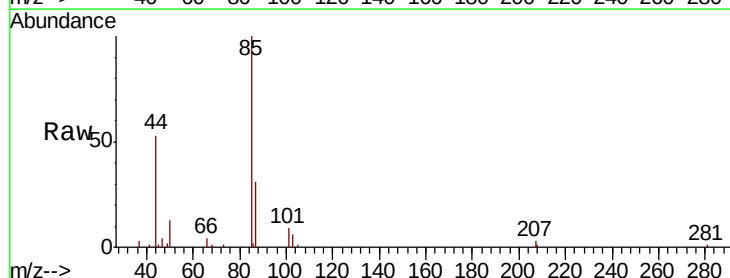
Acq: 2 Mar 2020 11:40

Tgt Ion: 85 Resp: 35101

Ion Ratio Lower Upper

85 100

87 31.5 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

30000

25000

20000

15000

10000

5000

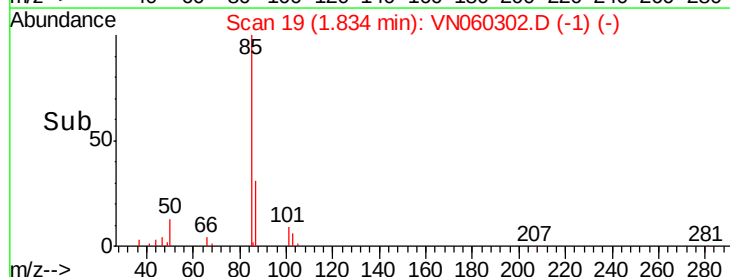
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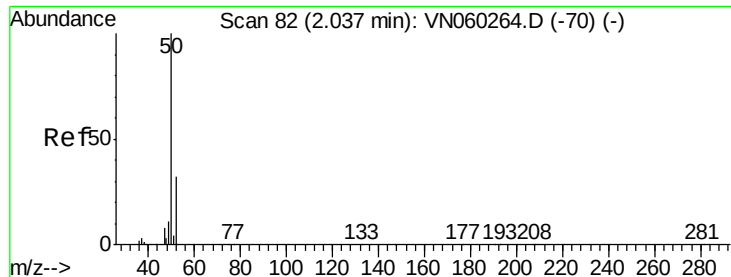
1.80

1.85

1.90

Time-->





#3

Chloromethane

Concen: 18.468 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060302.D

Acq: 2 Mar 2020 11:40

Instrument :

MSVOA_N

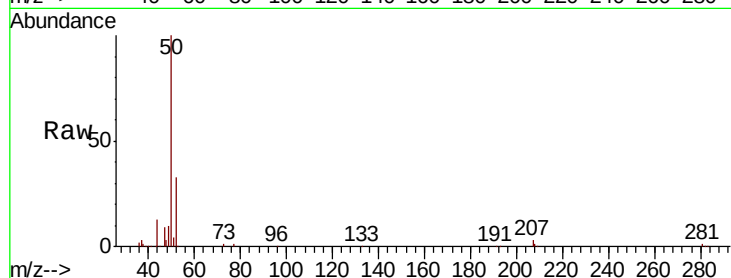
ClientSampled :

Tot Ion: 50 Resp: 61237

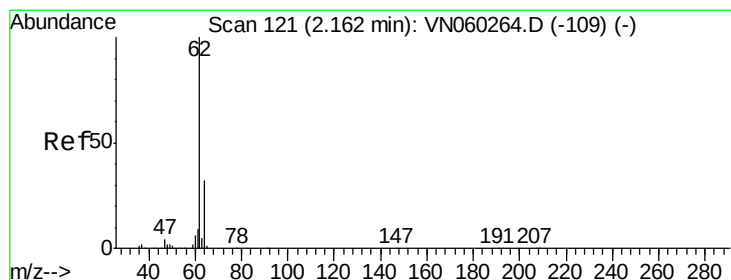
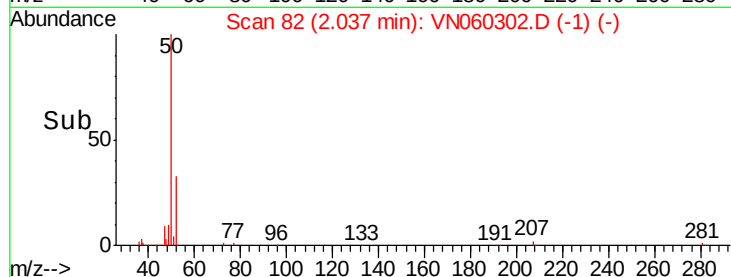
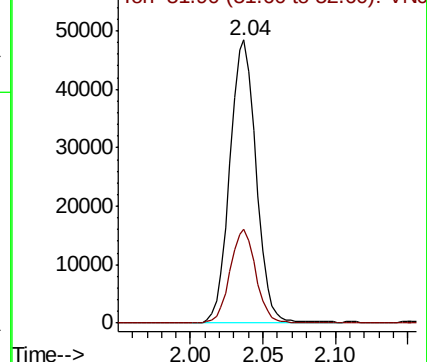
Ion Ratio Lower Upper

50 100

52 33.0 25.6 38.4



Abundance Ion 49.90 (49.60 to 50.60): VN060302.D (-1) (-)



#4

Vinyl Chloride

Concen: 17.568 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN060302.D

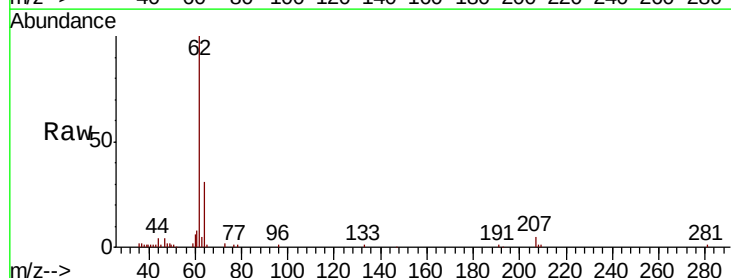
Acq: 2 Mar 2020 11:40

Tgt Ion: 62 Resp: 49957

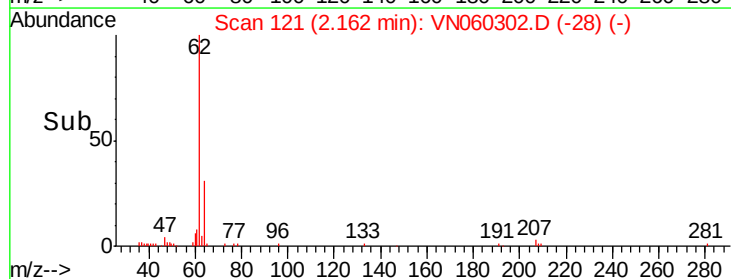
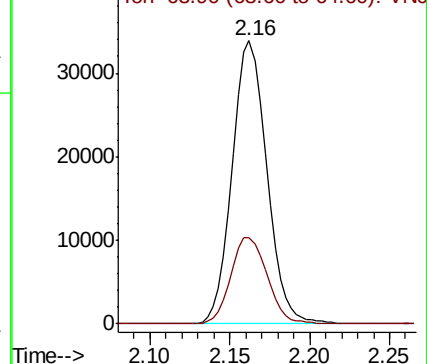
Ion Ratio Lower Upper

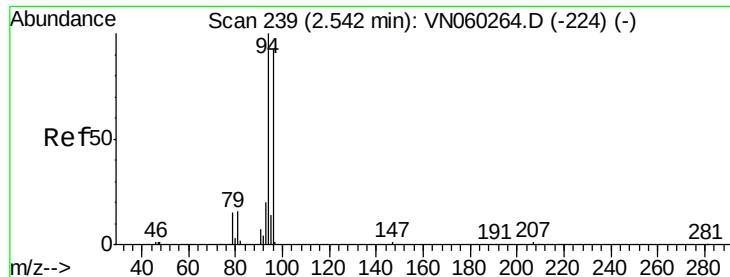
62 100

64 30.6 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN060302.D (-28) (-)





#5

Bromomethane

Concen: 16.242 ug/l

RT: 2.54 min Scan# 240

Delta R.T. 0.00 min

Lab File: VN060302.D

Acq: 2 Mar 2020 11:40

Instrument :

MSVOA_N

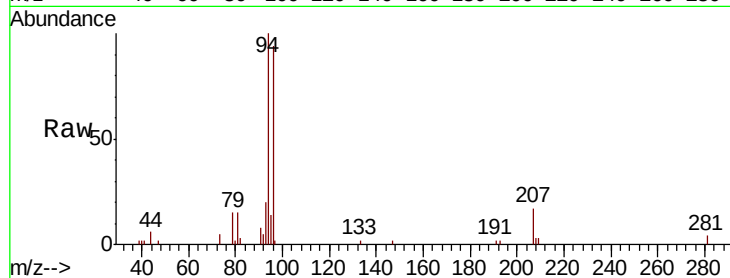
ClientSampleId :

Tot Ion: 94 Resp: 20449

Ion Ratio Lower Upper

94 100

96 91.2 74.3 111.5



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.54

12000

10000

8000

6000

4000

2000

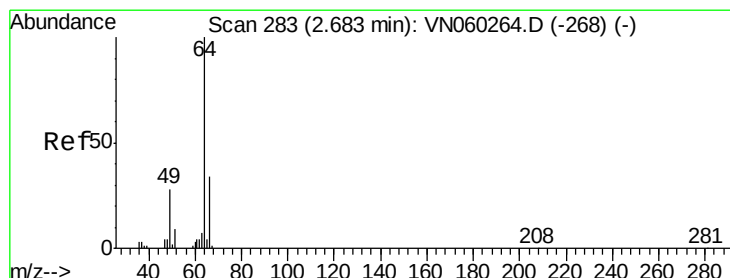
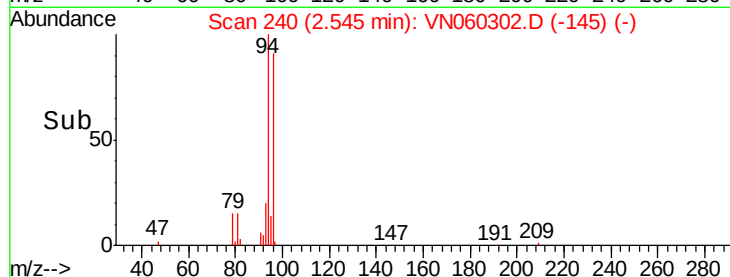
0

Time-->

2.50

2.55

2.60



#6

Chloroethane

Concen: 17.773 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN060302.D

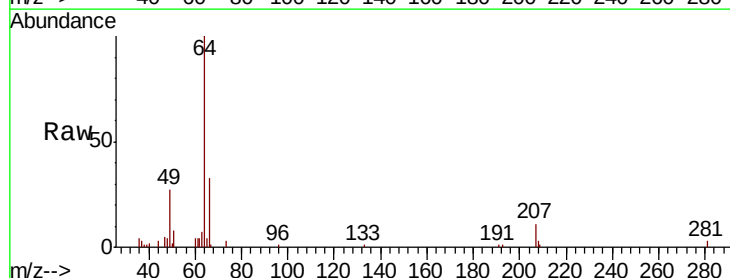
Acq: 2 Mar 2020 11:40

Tgt Ion: 64 Resp: 27383

Ion Ratio Lower Upper

64 100

66 33.3 27.4 41.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.68

15000

10000

5000

0

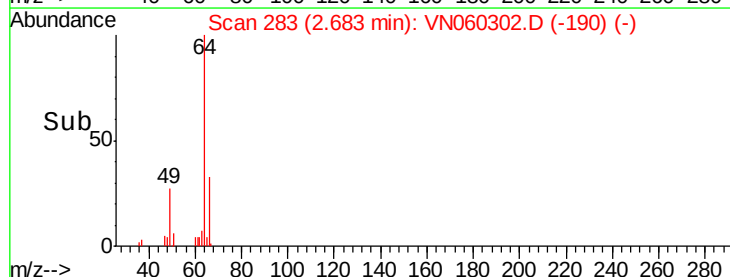
Time-->

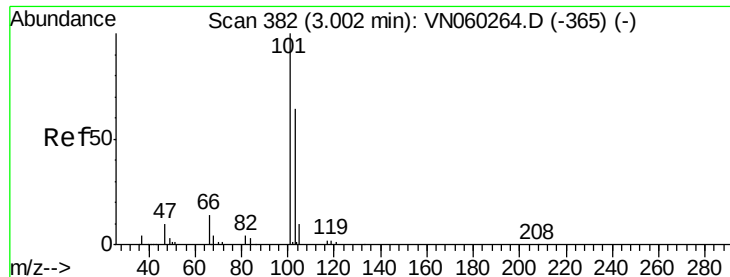
2.60

2.65

2.70

2.75



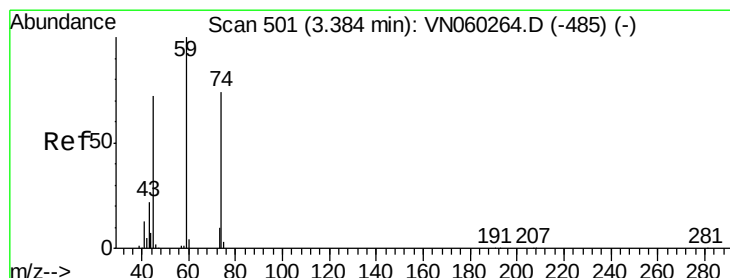
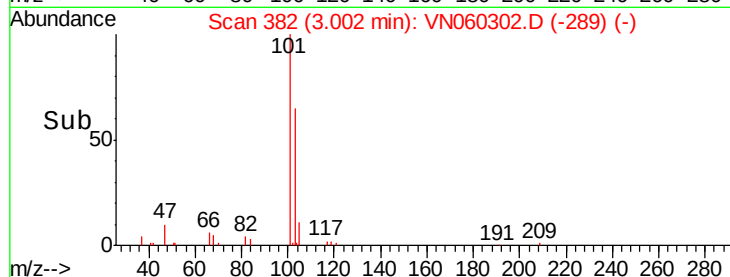
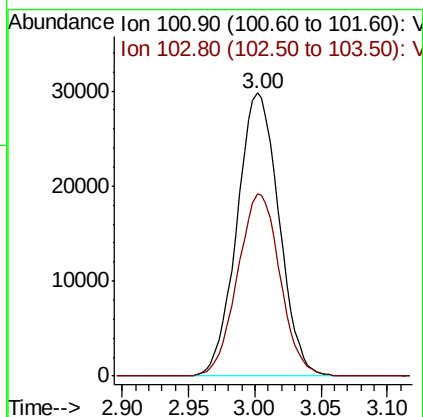
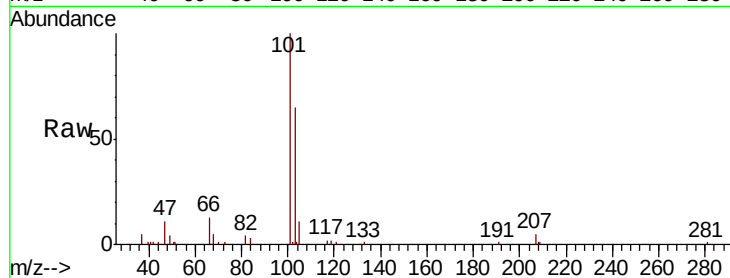


#7

Trichlorofluoromethane
 Concen: 18.057 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VN060302.D
 Acq: 2 Mar 2020 11:40

Instrument :
 MSVOA_N
 ClientSampleId :

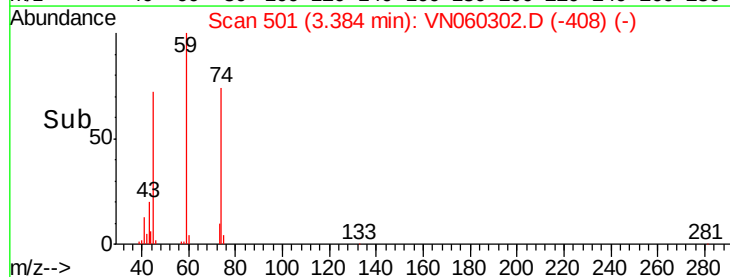
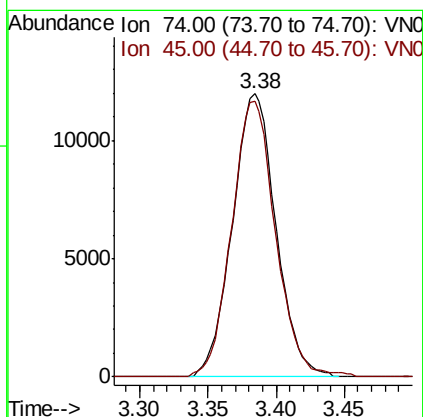
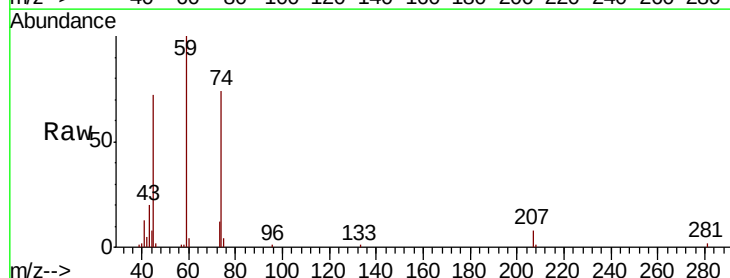
Tot Ion:101 Resp: 65607
 Ion Ratio Lower Upper
 101 100
 103 64.6 51.3 76.9

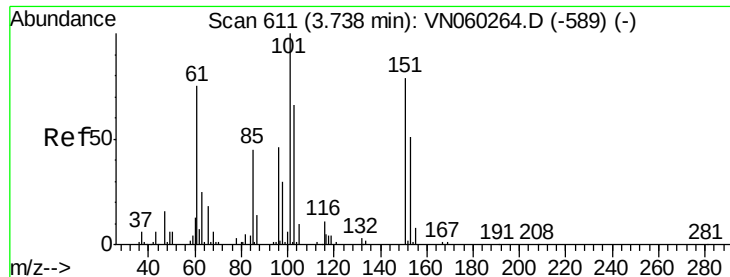


#8

Diethyl Ether
 Concen: 19.354 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. 0.00 min
 Lab File: VN060302.D
 Acq: 2 Mar 2020 11:40

Tgt Ion: 74 Resp: 26550
 Ion Ratio Lower Upper
 74 100
 45 98.3 49.5 148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.436 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN060302.D

Acq: 2 Mar 2020 11:40

Instrument :

MSVOA_N

ClientSampleId :

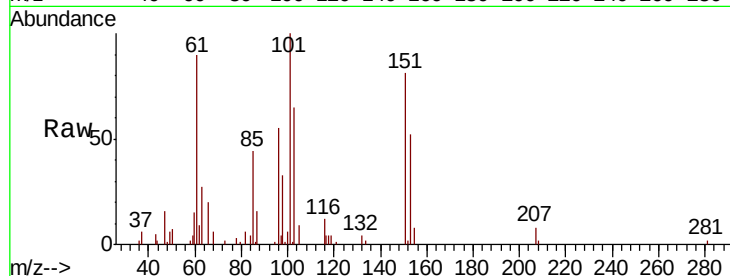
Tot Ion:101 Resp: 37908

Ion Ratio Lower Upper

101 100

85 44.3 35.4 53.2

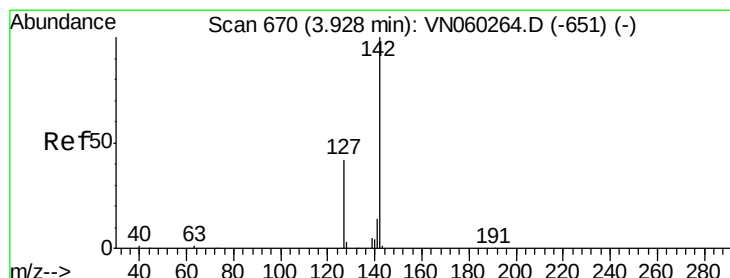
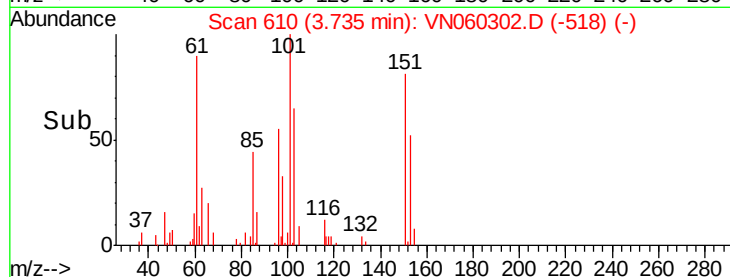
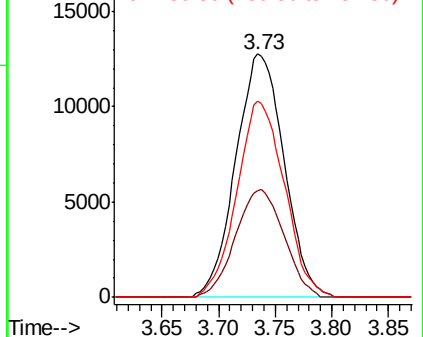
151 79.1 62.0 93.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.468 ug/l

RT: 3.92 min Scan# 669

Delta R.T. -0.00 min

Lab File: VN060302.D

Acq: 2 Mar 2020 11:40

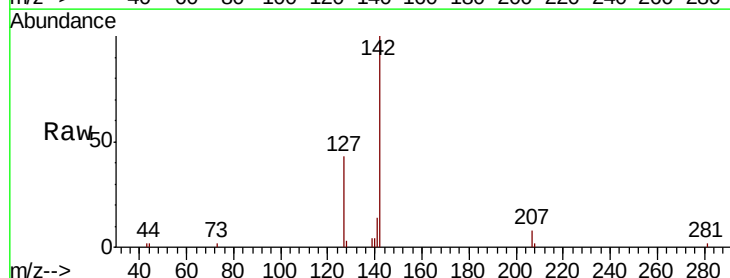
Tgt Ion:142 Resp: 34658

Ion Ratio Lower Upper

142 100

127 42.3 33.8 50.6

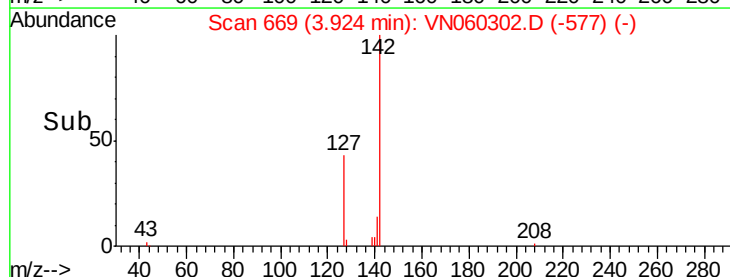
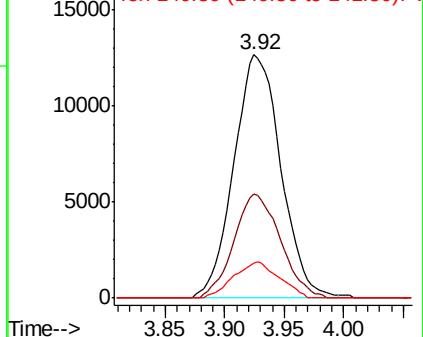
141 14.4 11.1 16.7

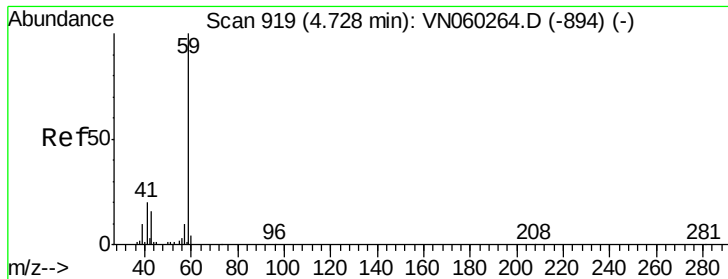


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



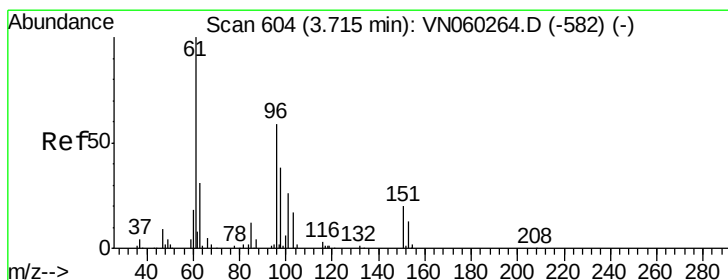
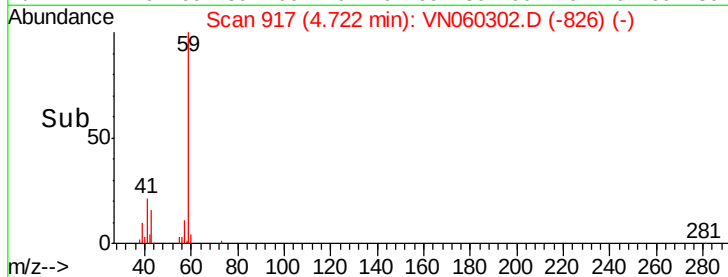
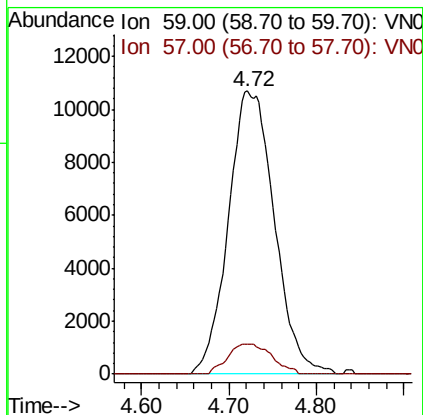
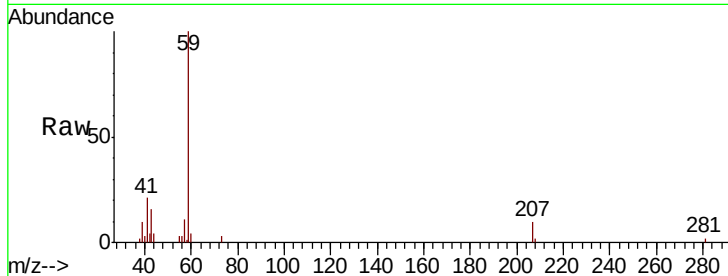


#11

Tert butyl alcohol
 Concen: 98.633 ug/l
 RT: 4.72 min Scan# 917
 Delta R.T. -0.01 min
 Lab File: VN060302.D
 Acq: 2 Mar 2020 11:40

Instrument :
 MSVOA_N
 ClientSampled :

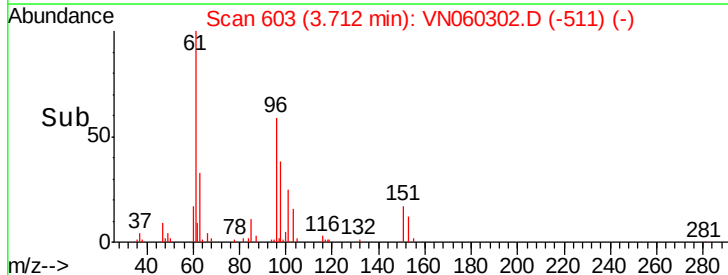
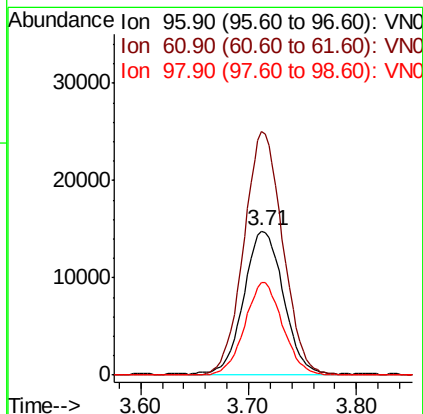
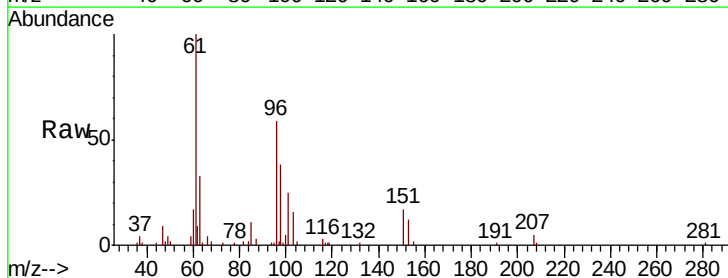
Tot Ion: 59 Resp: 39033
 Ion Ratio Lower Upper
 59 100
 57 10.2 8.2 12.2

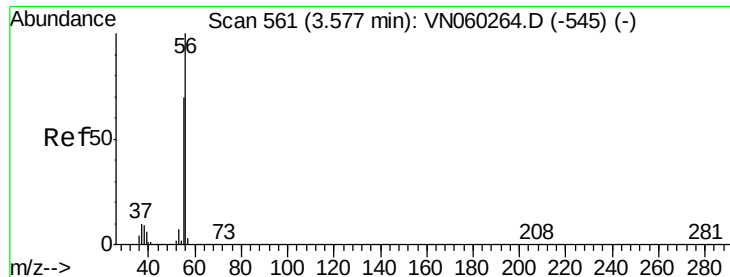


#12

1,1-Dichloroethene
 Concen: 19.143 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. -0.00 min
 Lab File: VN060302.D
 Acq: 2 Mar 2020 11:40

Tgt Ion: 96 Resp: 38298
 Ion Ratio Lower Upper
 96 100
 61 168.6 135.4 203.0
 98 64.1 51.6 77.4

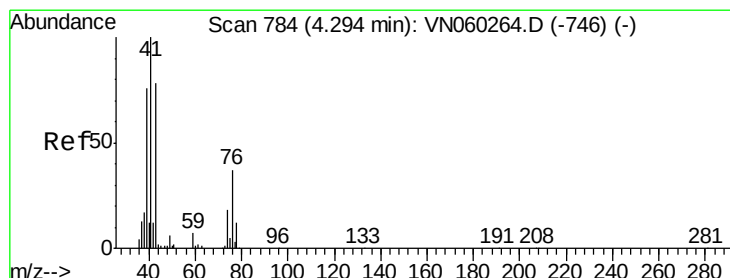
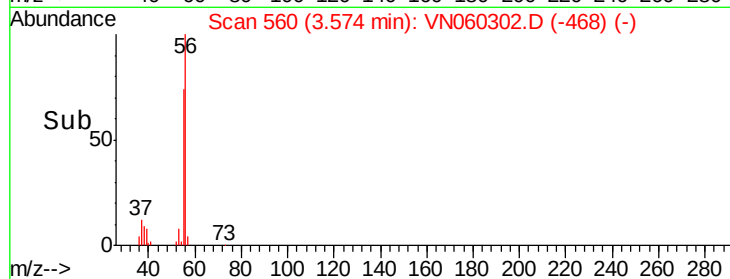
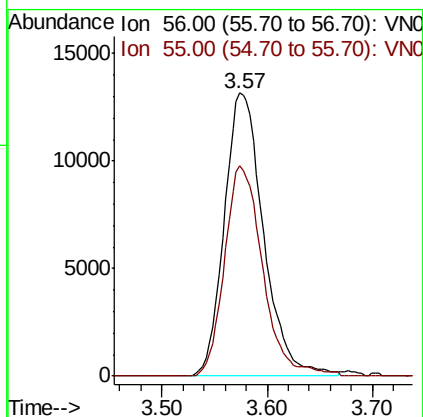
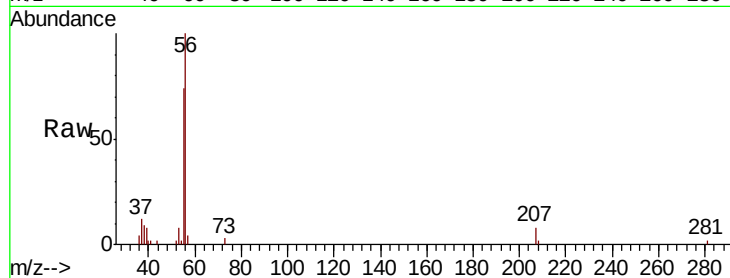




#13
Acrolein
Concen: 91.999 ug/l
RT: 3.57 min Scan# 560
Delta R.T. -0.00 min
Lab File: VN060302.D
Acq: 2 Mar 2020 11:40

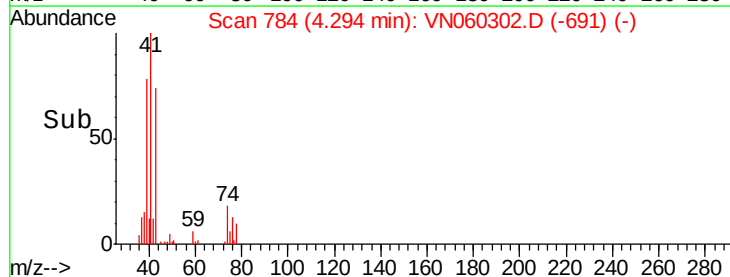
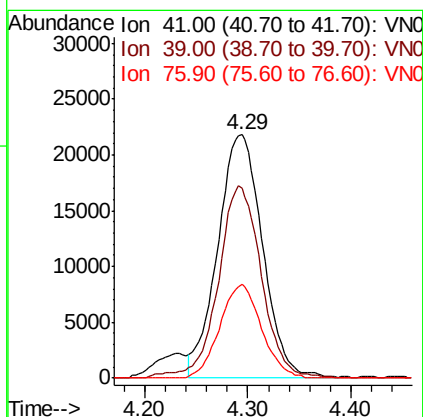
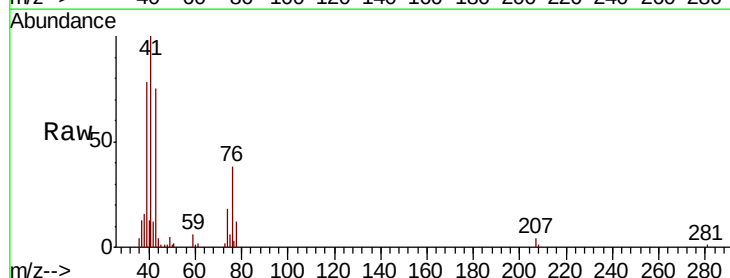
Instrument :
MSVOA_N
ClientSampled :

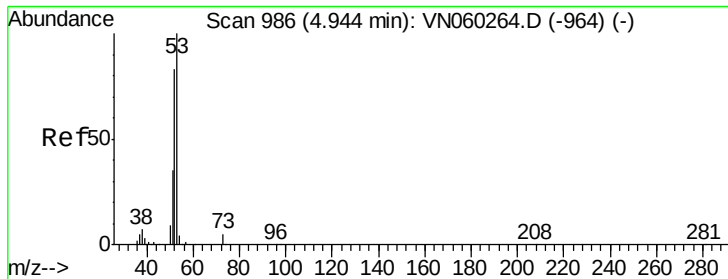
Tot Ion: 56 Resp: 33965
Ion Ratio Lower Upper
56 100
55 72.4 57.4 86.0



#14
Allyl chloride
Concen: 17.953 ug/l
RT: 4.29 min Scan# 784
Delta R.T. 0.00 min
Lab File: VN060302.D
Acq: 2 Mar 2020 11:40

Tgt Ion: 41 Resp: 66060
Ion Ratio Lower Upper
41 100
39 76.0 55.4 83.2
76 35.7 27.0 40.6





#15

Acrylonitrile

Concen: 97.550 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN060302.D

Acq: 2 Mar 2020 11:40

Instrument :

MSVOA_N

ClientSampleId :

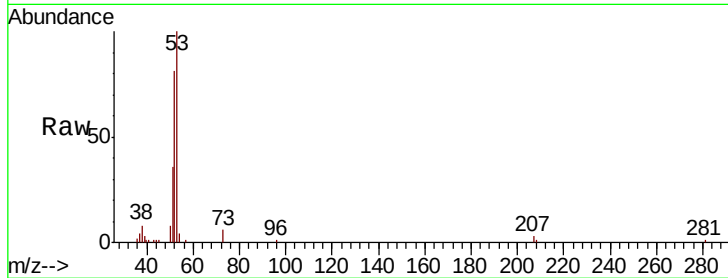
Tot Ion: 53 Resp: 101754

Ion Ratio Lower Upper

53 100

52 83.5 66.8 100.2

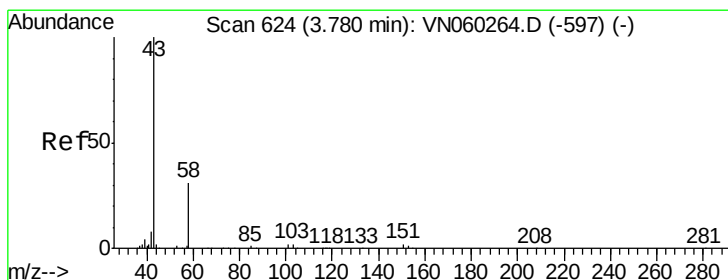
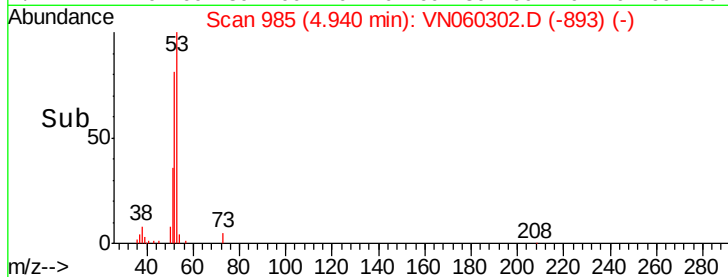
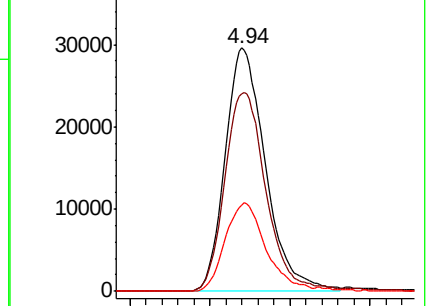
51 36.7 29.0 43.6



Abundance Ion 53.00 (52.70 to 53.70): VN060302.D (-964) (-)

Ion 52.00 (51.70 to 52.70): VN060302.D (-964) (-)

Ion 51.00 (50.70 to 51.70): VN060302.D (-964) (-)



#16

Acetone

Concen: 96.000 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.00 min

Lab File: VN060302.D

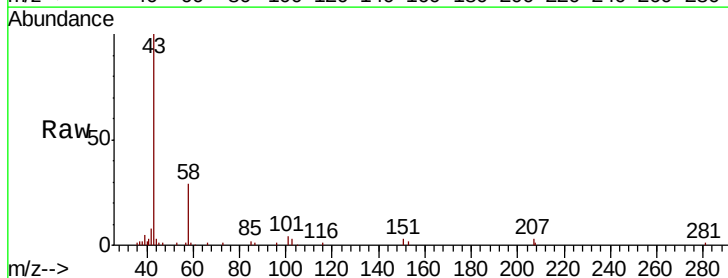
Acq: 2 Mar 2020 11:40

Tgt Ion: 43 Resp: 82623

Ion Ratio Lower Upper

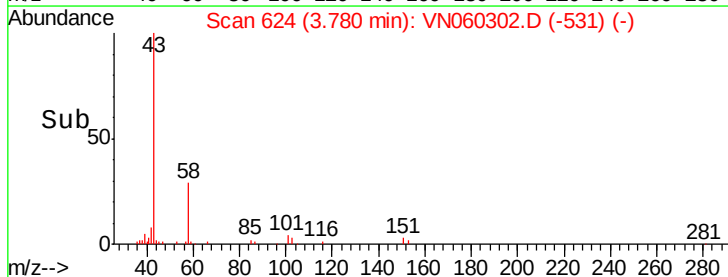
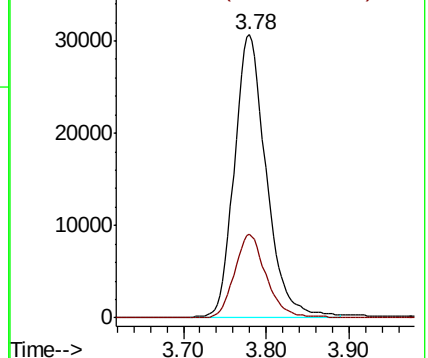
43 100

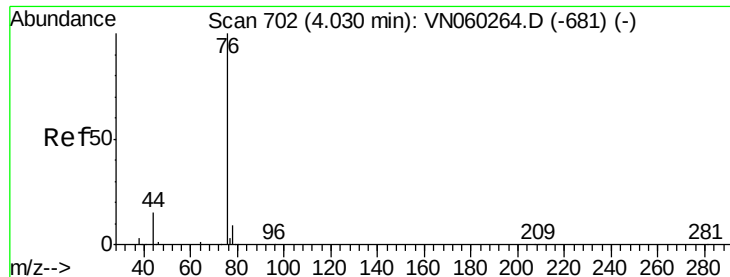
58 29.4 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VN060302.D (-597) (-)

Ion 58.00 (57.70 to 58.70): VN060302.D (-597) (-)

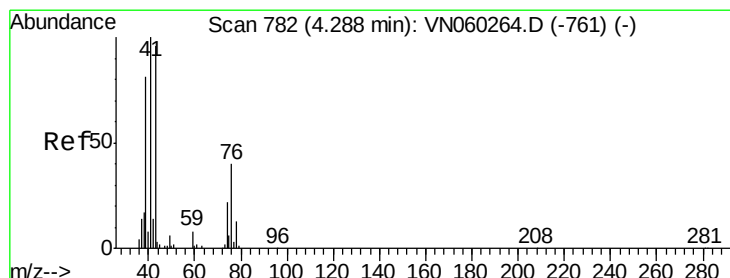
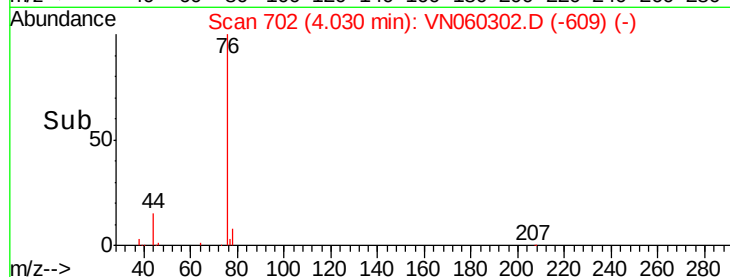
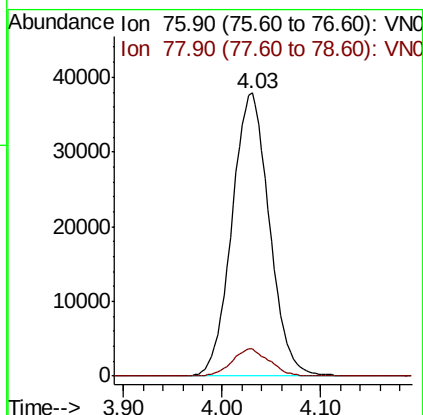
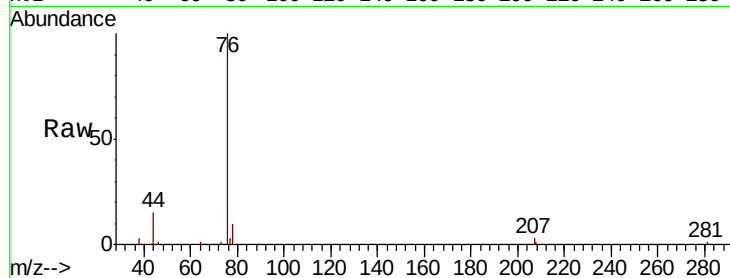




#17
Carbon Disulfide
Concen: 18.371 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN060302.D
Acq: 2 Mar 2020 11:40

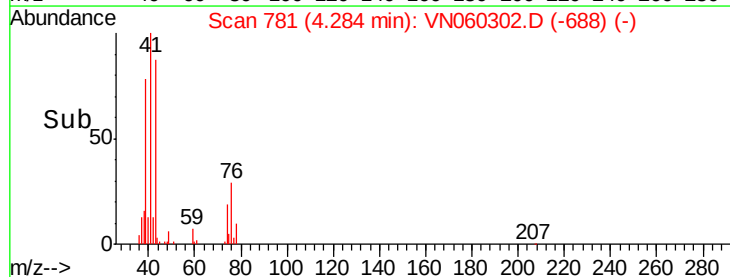
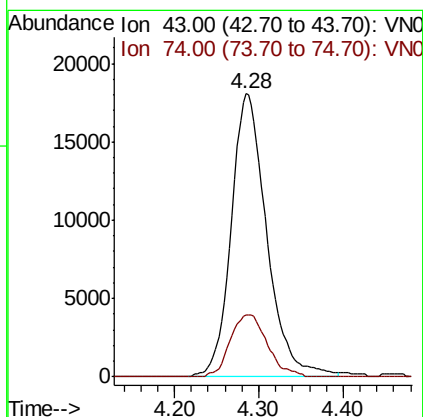
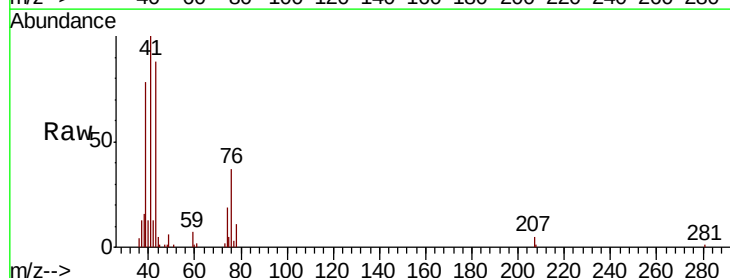
Instrument :
MSVOA_N
ClientSampleId :

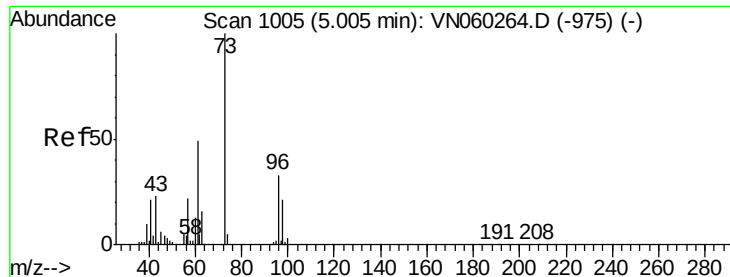
Tot Ion: 76 Resp: 99654
Ion Ratio Lower Upper
76 100
78 9.5 7.4 11.0



#18
Methyl Acetate
Concen: 18.458 ug/l
RT: 4.28 min Scan# 781
Delta R.T. -0.00 min
Lab File: VN060302.D
Acq: 2 Mar 2020 11:40

Tgt Ion: 43 Resp: 53014
Ion Ratio Lower Upper
43 100
74 22.9 18.8 28.2





#19

Methyl tert-butyl Ether

Concen: 19.259 ug/l

RT: 5.00 min Scan# 1005

Delta R.T. 0.00 min

Lab File: VN060302.D

Acq: 2 Mar 2020 11:40

Instrument :

MSVOA_N

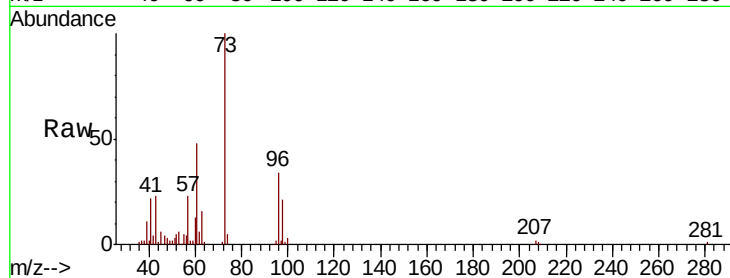
ClientSampleId :

Tot Ion: 73 Resp: 139548

Ion Ratio Lower Upper

73 100

57 22.9 17.3 25.9



Abundance Ion 73.00 (72.70 to 73.70): VN060264.D (-975) (-)

Ion 57.00 (56.70 to 57.70): VN060264.D (-975) (-)

5.00

40000

30000

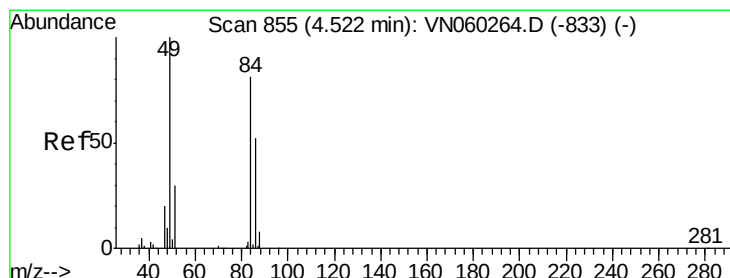
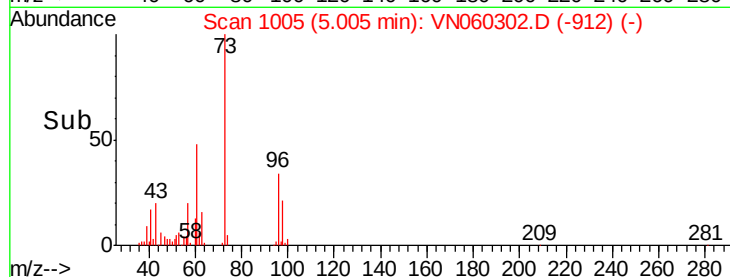
20000

10000

0

Time-->

4.90 5.00 5.10 5.20



#20

Methylene Chloride

Concen: 18.476 ug/l

RT: 4.52 min Scan# 853

Delta R.T. -0.01 min

Lab File: VN060302.D

Acq: 2 Mar 2020 11:40

Tgt Ion: 84 Resp: 43670

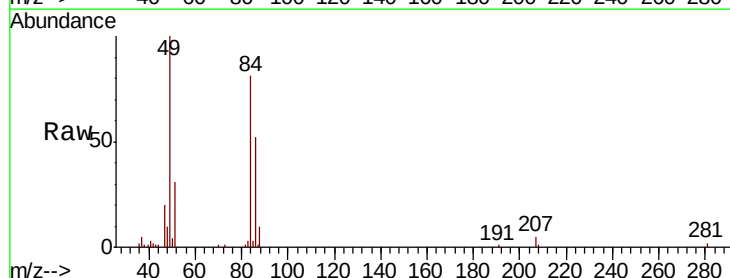
Ion Ratio Lower Upper

84 100

49 124.0 99.3 148.9

51 38.3 30.1 45.1

86 64.6 51.1 76.7



Abundance Ion 83.90 (83.60 to 84.60): VN060264.D (-833) (-)

Ion 48.90 (48.60 to 49.60): VN060264.D (-833) (-)

Ion 50.90 (50.60 to 51.60): VN060264.D (-833) (-)

Ion 85.90 (85.60 to 86.60): VN060264.D (-833) (-)

25000

20000

15000

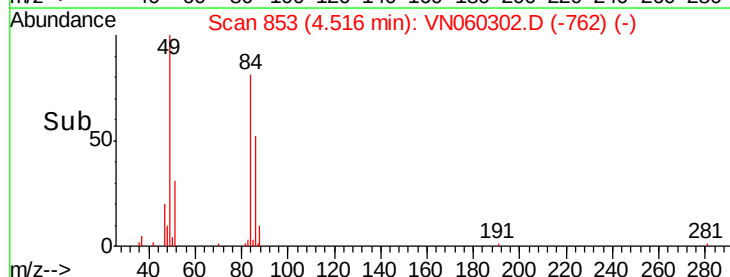
10000

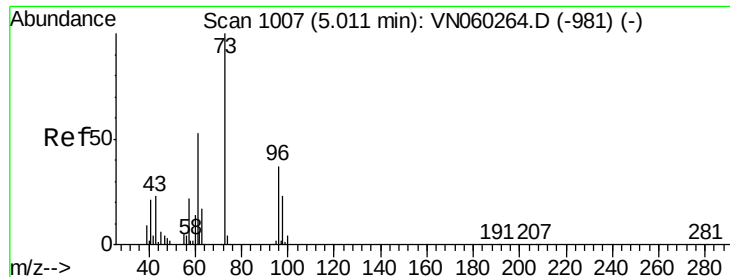
5000

0

Time-->

4.40 4.50 4.60

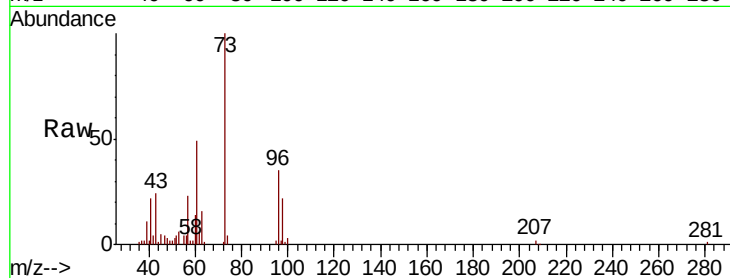




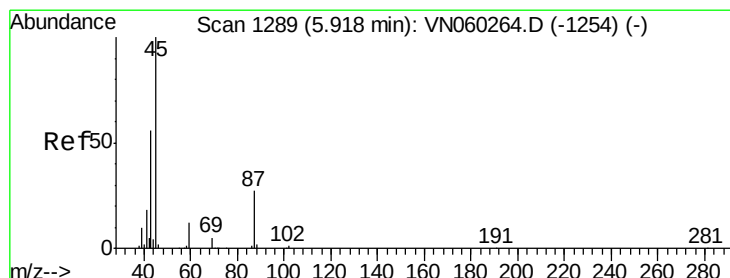
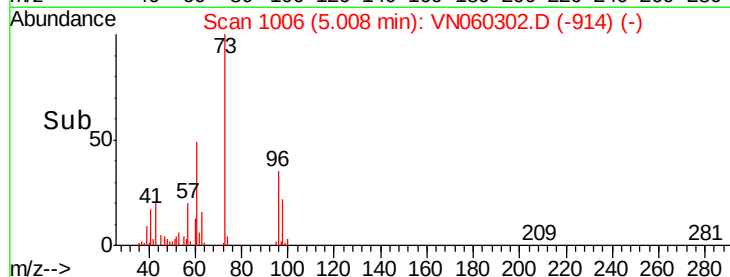
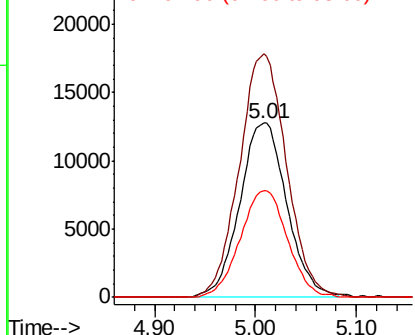
#21
trans-1,2-Dichloroethene
Concen: 19.059 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN060302.D
Acq: 2 Mar 2020 11:40

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 96 Resp: 41430
Ion Ratio Lower Upper
96 100
61 139.6 113.8 170.8
98 61.3 48.8 73.2

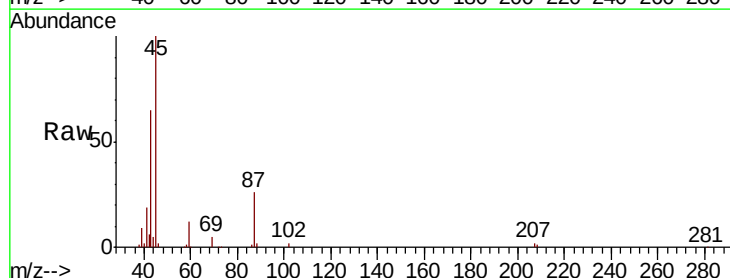


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

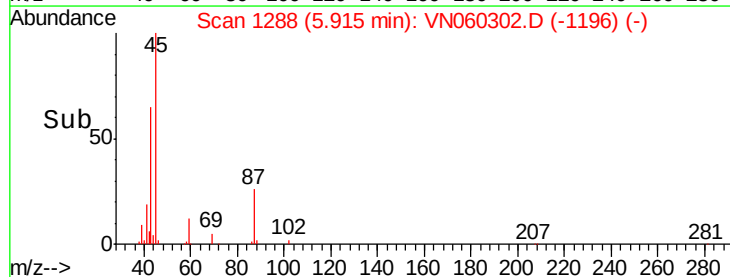
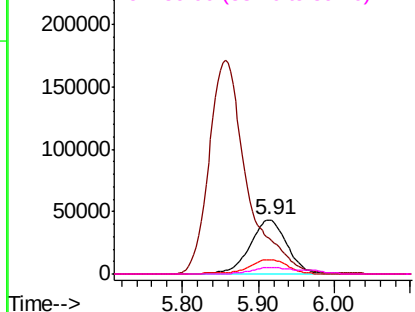


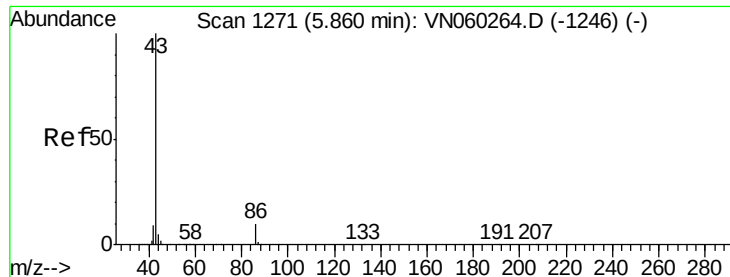
#22
Diisopropyl ether
Concen: 19.699 ug/l
RT: 5.91 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VN060302.D
Acq: 2 Mar 2020 11:40

Tgt Ion: 45 Resp: 146824
Ion Ratio Lower Upper
45 100
43 63.3 48.6 72.8
87 26.4 22.2 33.2
59 11.6 9.5 14.3



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





#23

Vinyl Acetate

Concen: 100.007 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN060302.D

Acq: 2 Mar 2020 11:40

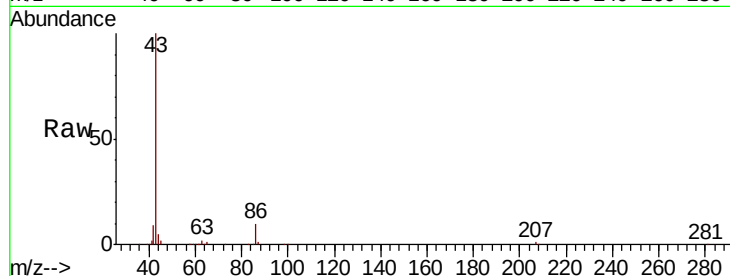
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 592309

Ion Ratio Lower Upper

43 100

86 10.1 8.0 12.0



Abundance Ion 43.00 (42.70 to 43.70): VN060302.D (-1178) (-)

Ion 86.00 (85.70 to 86.70): VN060302.D (-1178) (-)

5.86

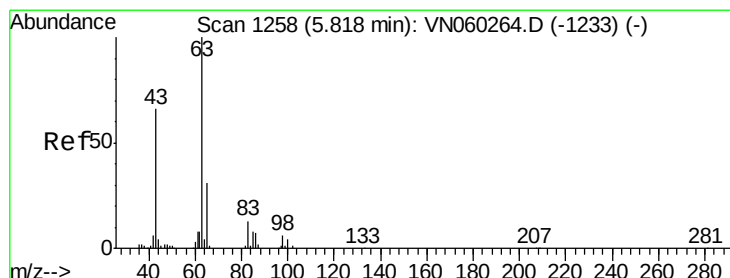
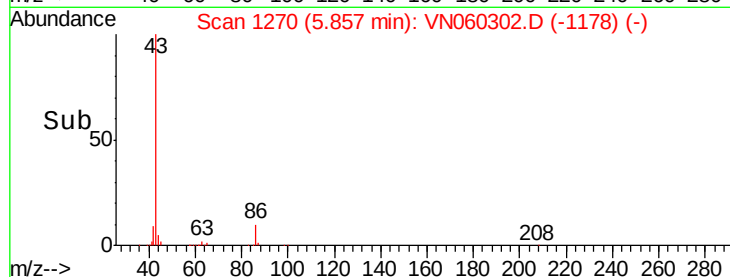
150000

100000

50000

0

Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 19.200 ug/l

RT: 5.81 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN060302.D

Acq: 2 Mar 2020 11:40

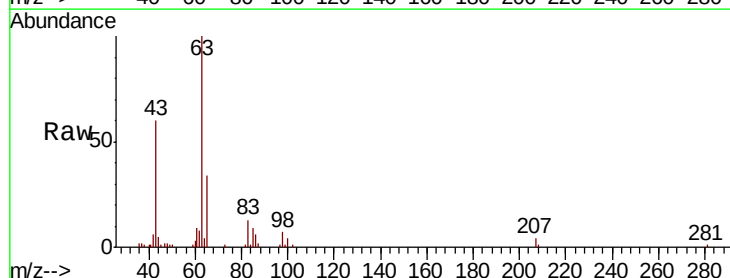
Tgt Ion: 63 Resp: 81005

Ion Ratio Lower Upper

63 100

98 7.2 3.0 9.0

100 3.9 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN060302.D (-1165) (-)

Ion 97.90 (97.60 to 98.60): VN060302.D (-1165) (-)

Ion 99.90 (99.60 to 100.60): VN060302.D (-1165) (-)

5.81

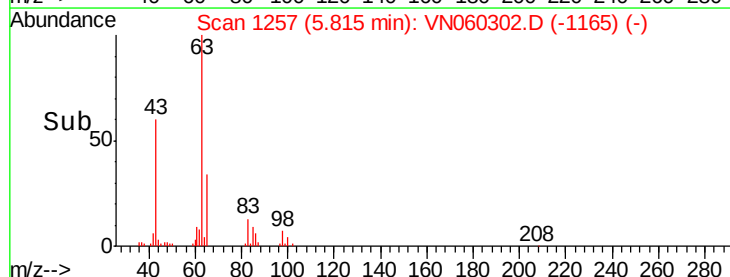
30000

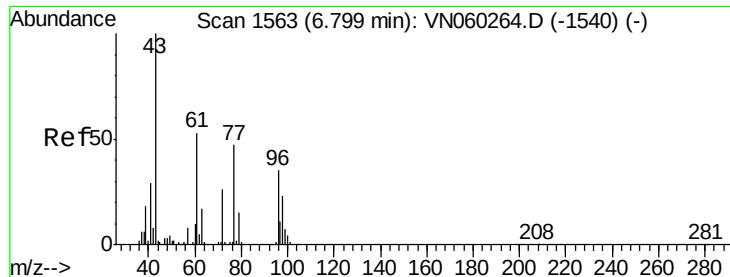
20000

10000

0

Time--> 5.70 5.80 5.90

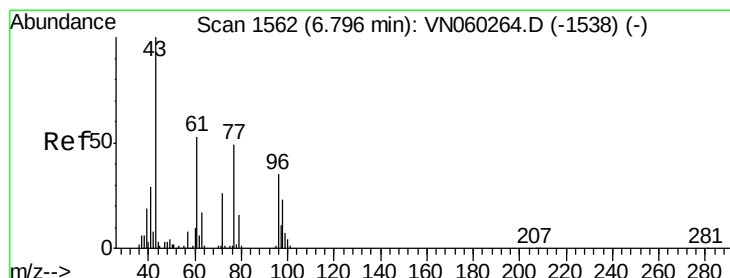
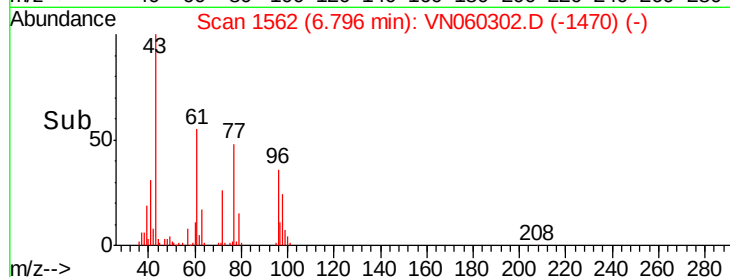
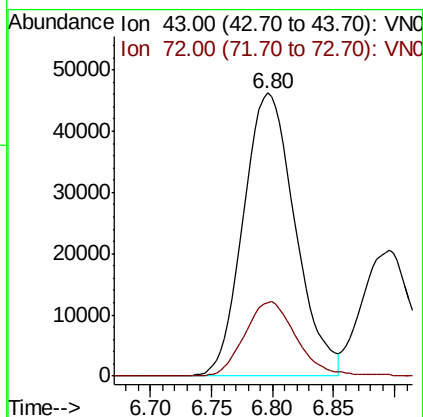
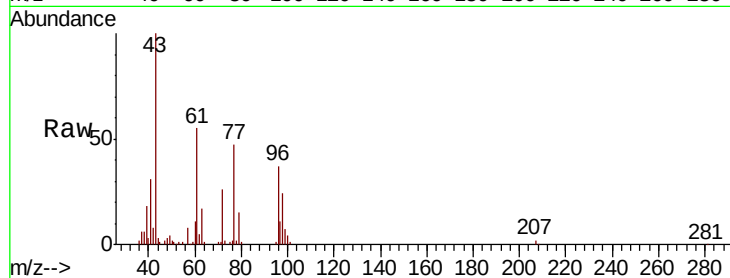




#25
 2-Butanone
 Concen: 97.992 ug/l
 RT: 6.80 min Scan# 1562
 Delta R.T. -0.00 min
 Lab File: VN060302.D
 Acq: 2 Mar 2020 11:40

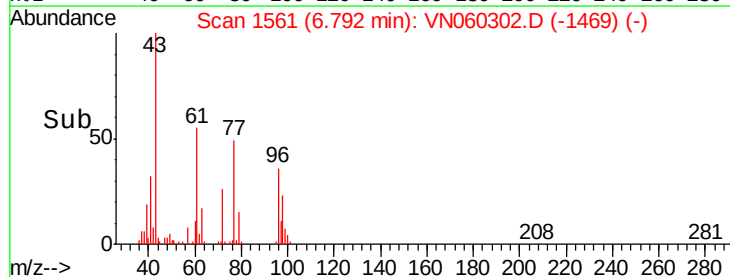
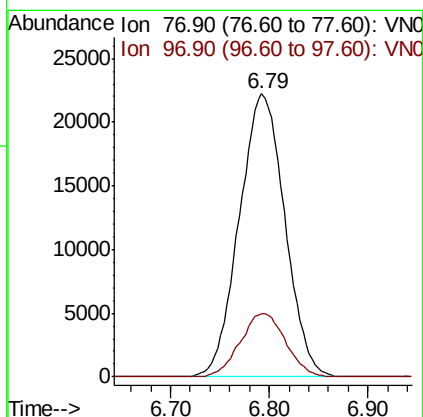
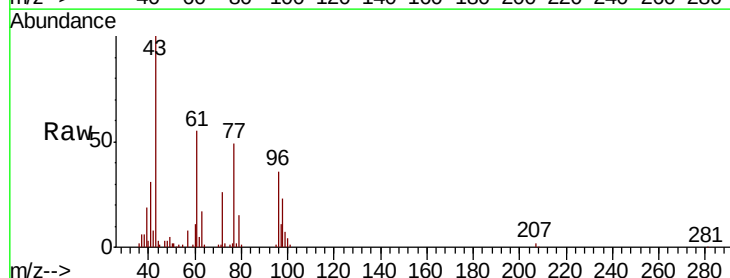
Instrument :
 MSVOA_N
 ClientSampled :

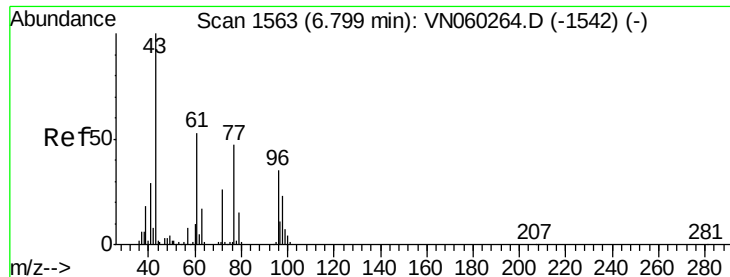
Tot Ion: 43 Resp: 136225
 Ion Ratio Lower Upper
 43 100
 72 26.1 20.9 31.3



#26
 2,2-Dichloropropane
 Concen: 18.521 ug/l
 RT: 6.79 min Scan# 1561
 Delta R.T. -0.00 min
 Lab File: VN060302.D
 Acq: 2 Mar 2020 11:40

Tgt Ion: 77 Resp: 71138
 Ion Ratio Lower Upper
 77 100
 97 22.2 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 17.984 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

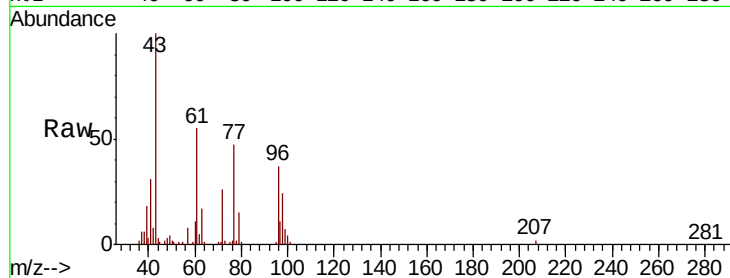
Lab File: VN060302.D

Acq: 2 Mar 2020 11:40

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 96 Resp: 49290

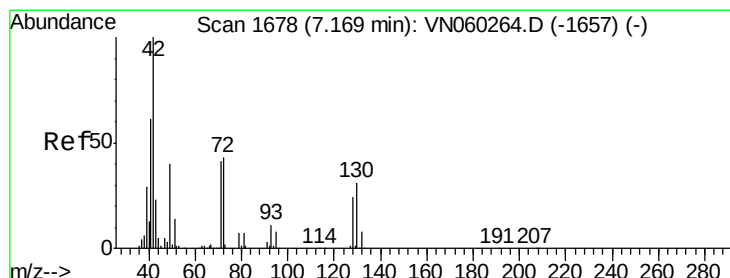
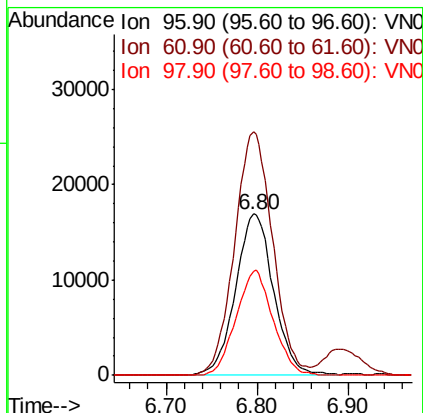
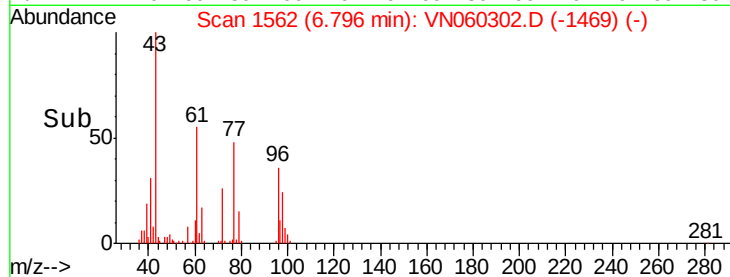
Ion	Ratio	Lower	Upper
96	100		
61	150.9	0.0	300.8
98	63.0	0.0	128.2



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: 18.793 ug/l

RT: 7.17 min Scan# 1677

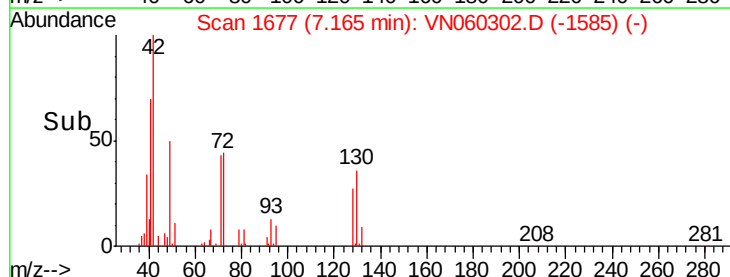
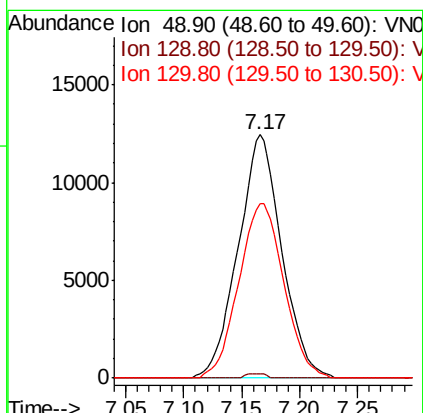
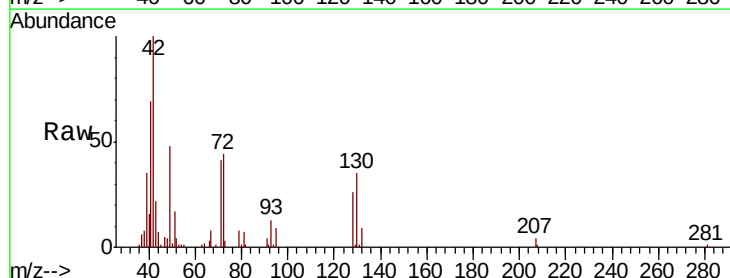
Delta R.T. -0.00 min

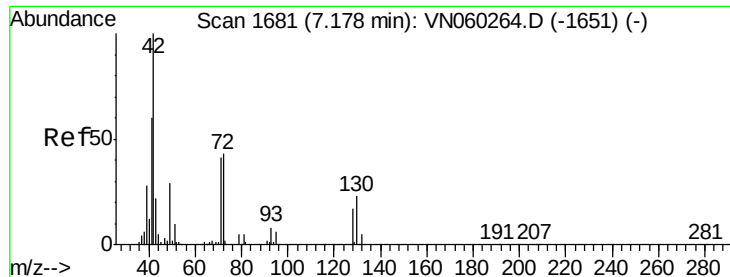
Lab File: VN060302.D

Acq: 2 Mar 2020 11:40

Tgt Ion: 49 Resp: 32555

Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	3.8
130	74.1	59.8	89.8

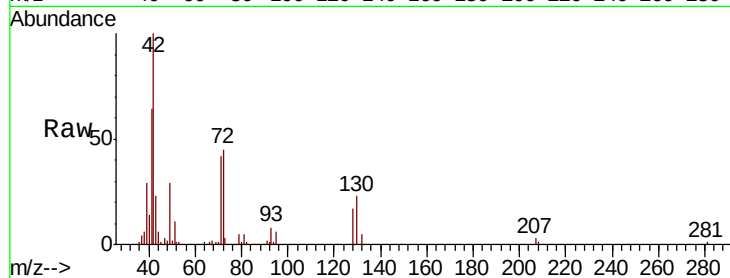




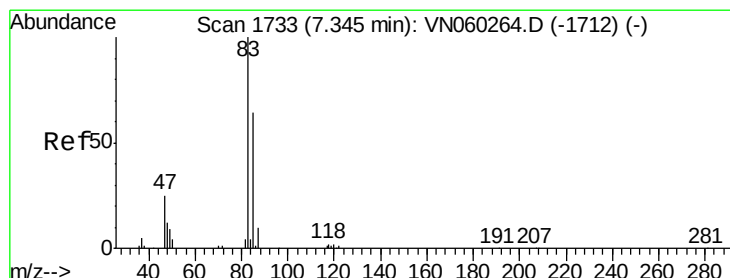
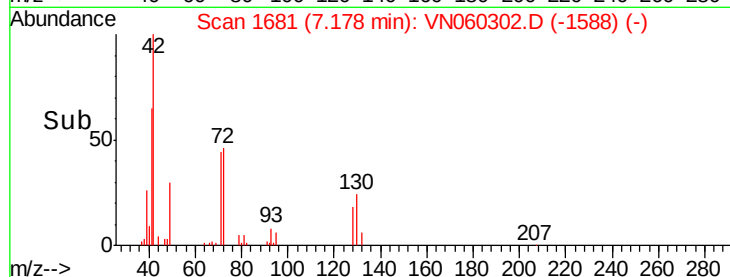
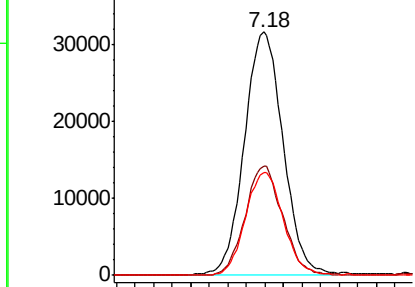
#29
Tetrahydrofuran
Concen: 95.083 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN060302.D
Acq: 2 Mar 2020 11:40

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 42 Resp: 91916
Ion Ratio Lower Upper
42 100
72 43.3 34.6 52.0
71 41.0 32.9 49.3

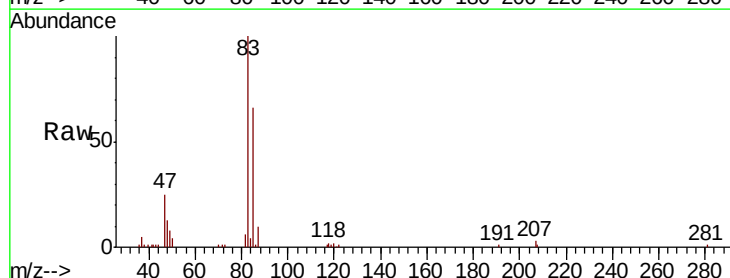


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

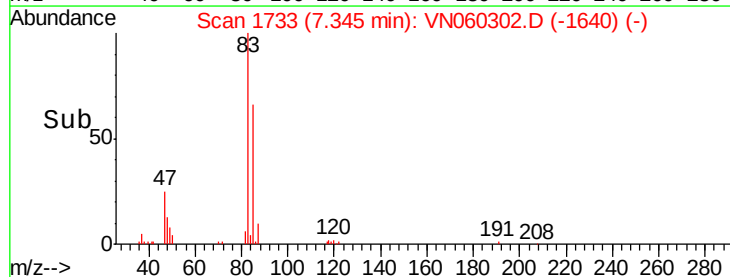
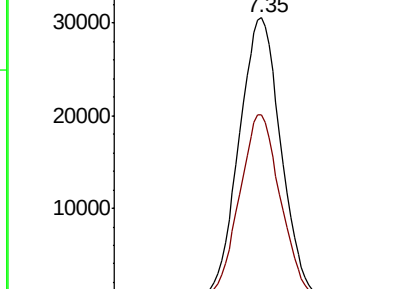


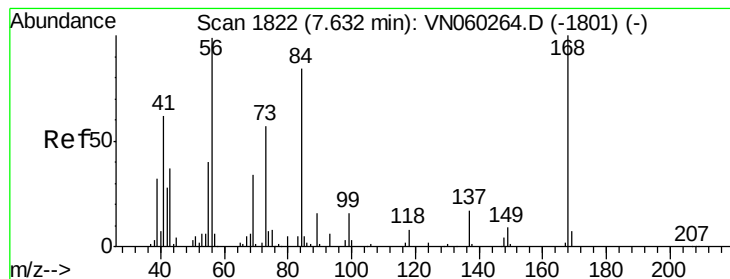
#30
Chloroform
Concen: 19.035 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN060302.D
Acq: 2 Mar 2020 11:40

Tgt Ion: 83 Resp: 79947
Ion Ratio Lower Upper
83 100
85 66.0 51.4 77.2



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





#31

Cyclohexane

Concen: 19.617 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VN060302.D

Acq: 2 Mar 2020 11:40

Instrument :
MSVOA_N
ClientSampled :

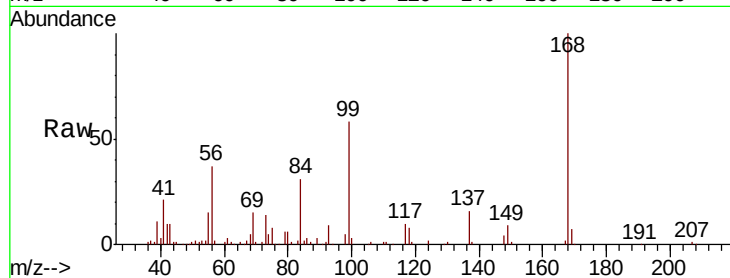
Tot Ion: 56 Resp: 73561

Ion Ratio Lower Upper

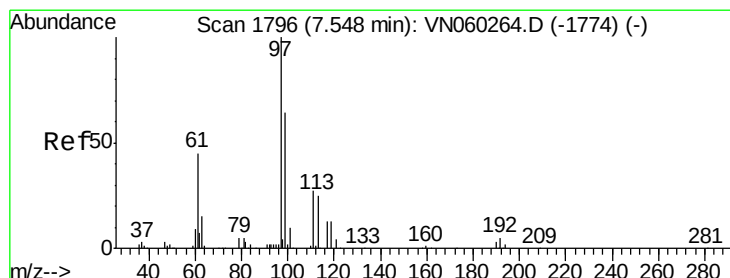
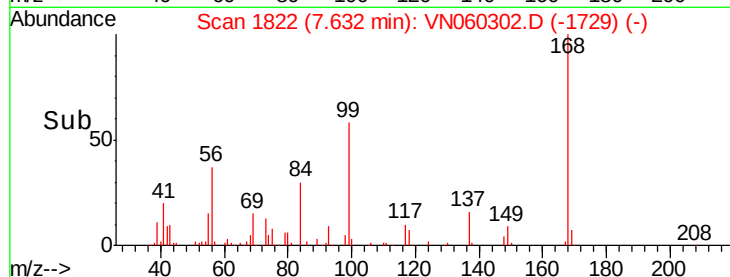
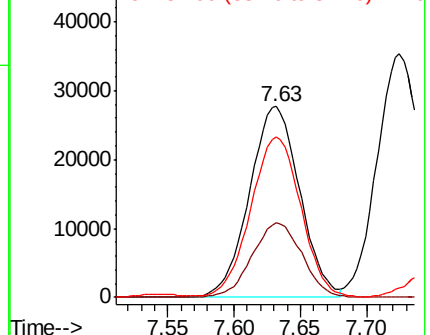
56 100

69 39.0 27.2 40.8

84 83.3 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: 19.043 ug/l

RT: 7.54 min Scan# 1794

Delta R.T. -0.01 min

Lab File: VN060302.D

Acq: 2 Mar 2020 11:40

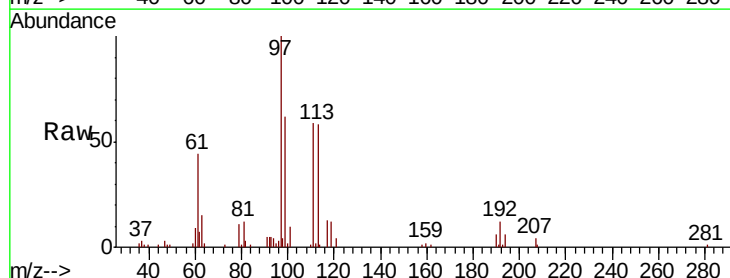
Tgt Ion: 97 Resp: 70863

Ion Ratio Lower Upper

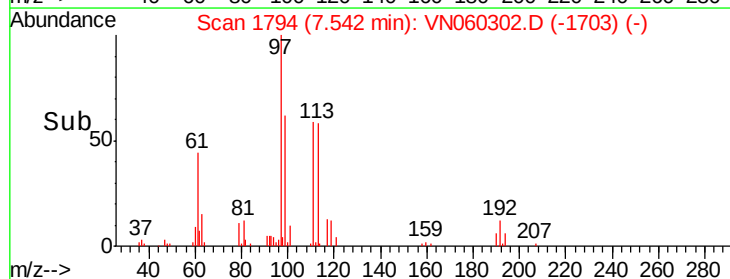
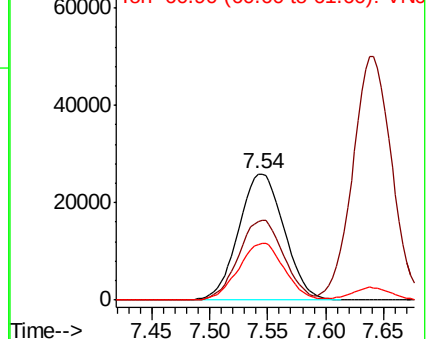
97 100

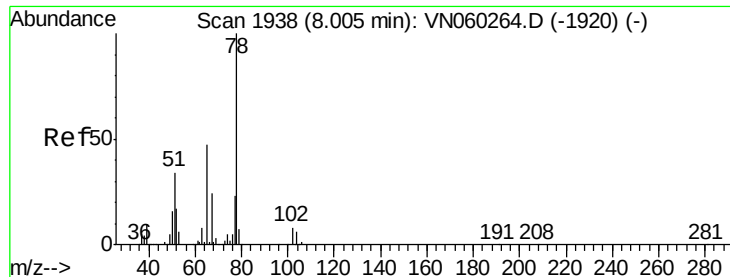
99 63.0 51.4 77.0

61 45.2 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

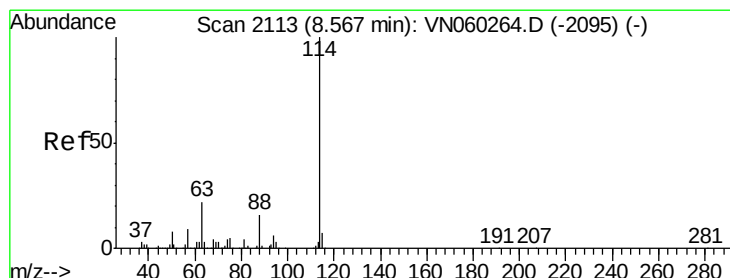
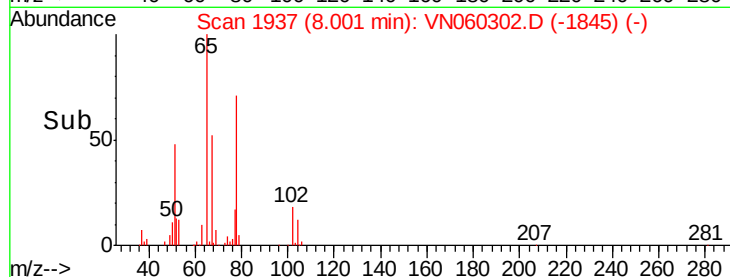
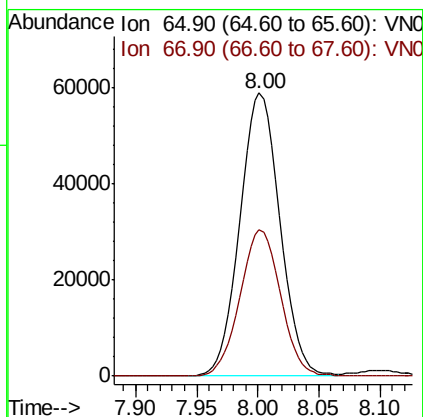
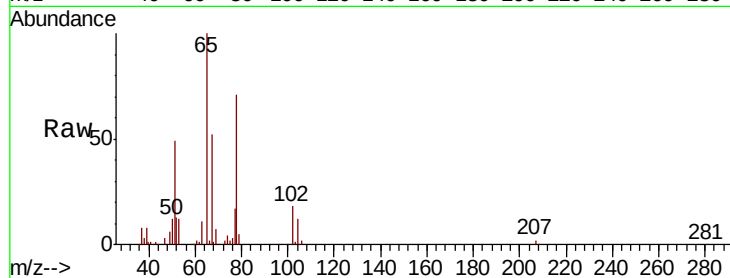




#33
 1,2-Dichloroethane-d4
 Concen: 50.120 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060302.D
 Acq: 2 Mar 2020 11:40

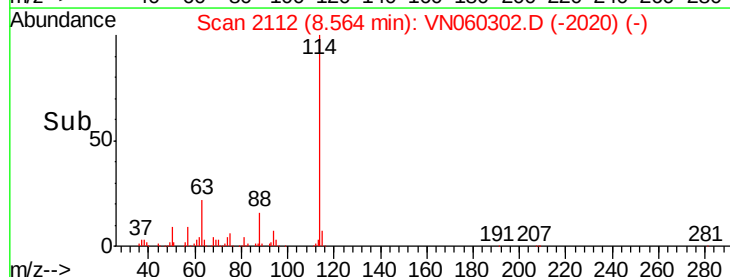
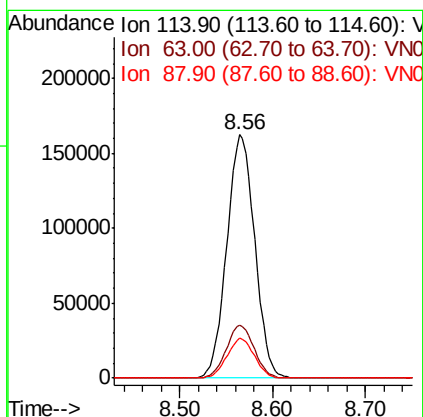
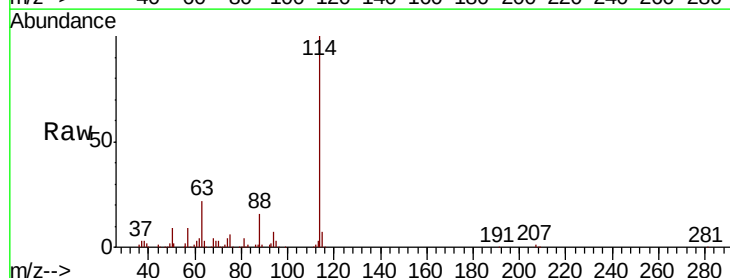
Instrument :
 MSVOA_N
 ClientSampleId :

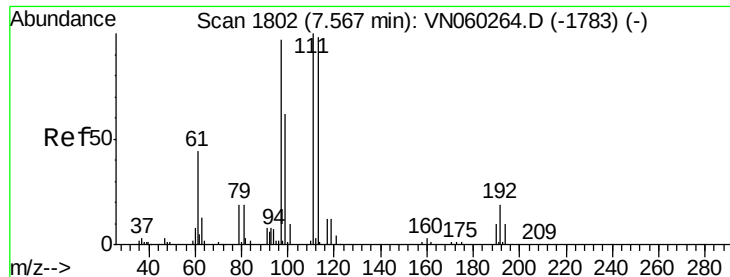
Tot Ion: 65 Resp: 133576
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060302.D
 Acq: 2 Mar 2020 11:40

Tgt Ion: 114 Resp: 339711
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 43.2
 88 16.2 0.0 31.6

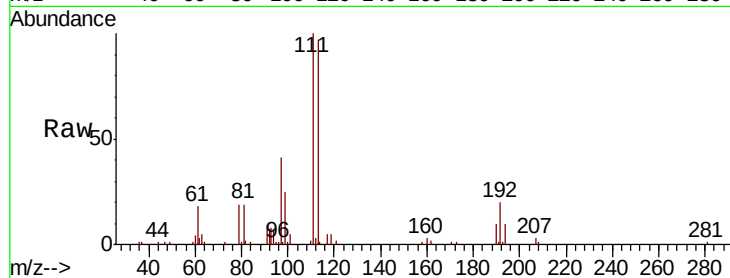




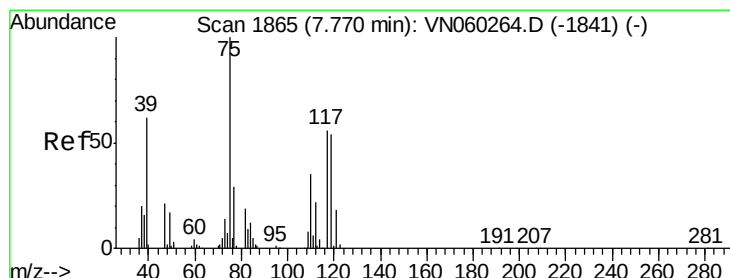
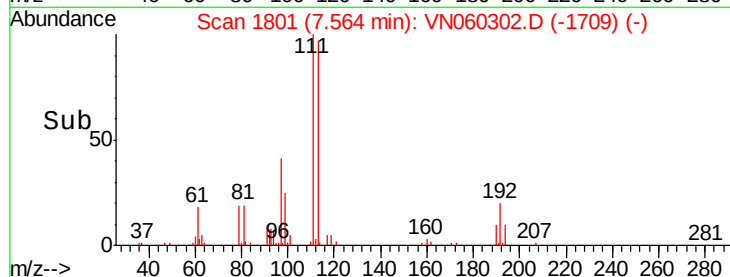
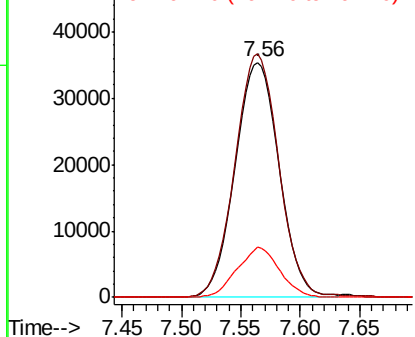
#35
 Dibromofluoromethane
 Concen: 57.689 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060302.D
 Acq: 2 Mar 2020 11:40

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.3	82.4	123.6
192	20.4	16.2	24.2

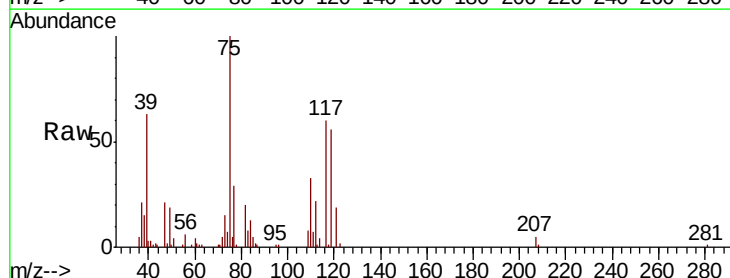


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

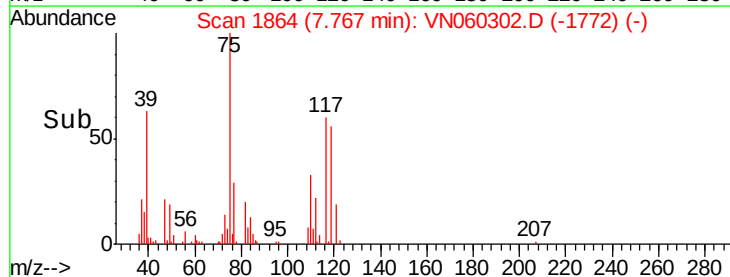
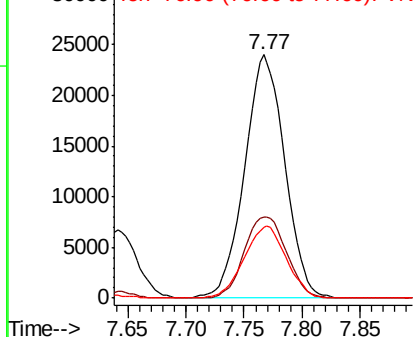


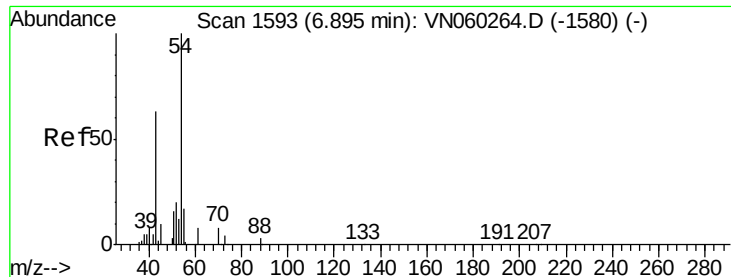
#36
 1,1-Dichloropropene
 Concen: 17.869 ug/l
 RT: 7.77 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VN060302.D
 Acq: 2 Mar 2020 11:40

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.9	17.3	52.0
77	31.0	24.2	36.2



Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VN0

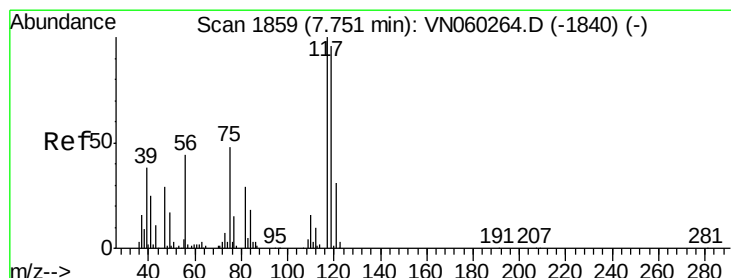
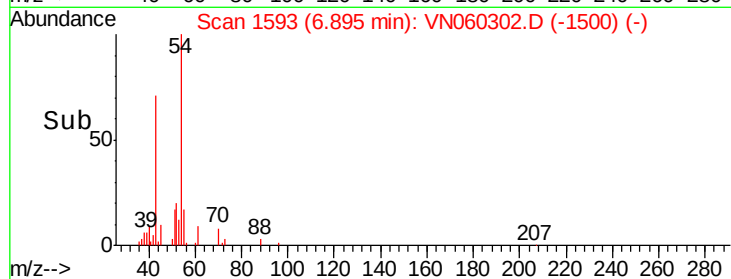
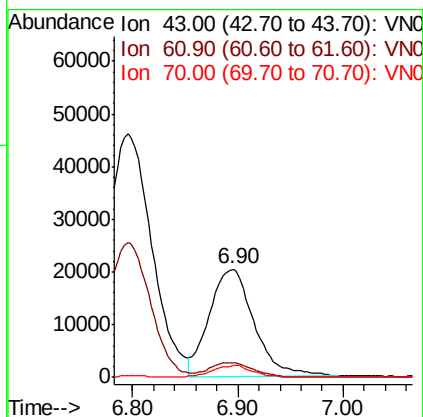
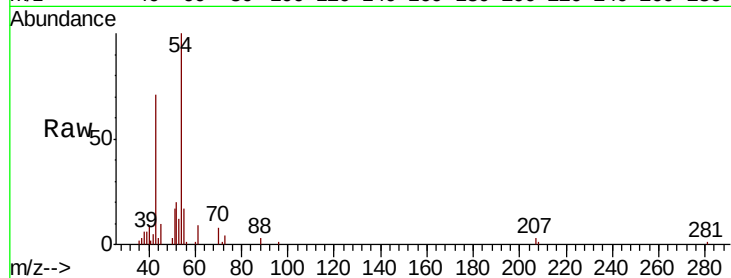




#37
Ethyl Acetate
Concen: 19.595 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. 0.00 min
Lab File: VN060302.D
Acq: 2 Mar 2020 11:40

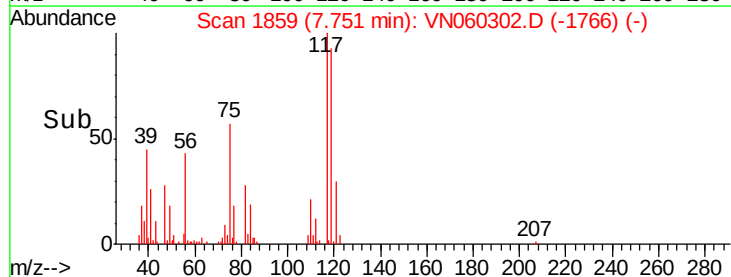
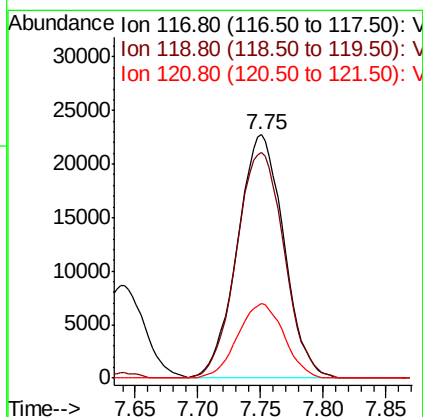
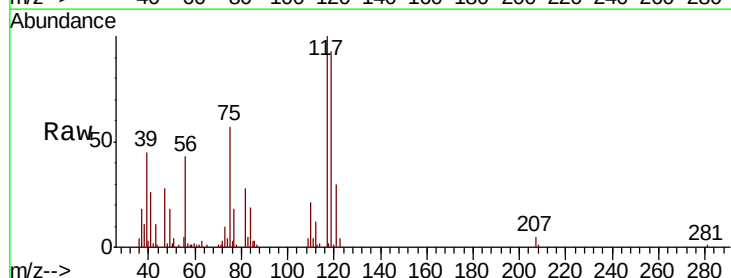
Instrument :
MSVOA_N
ClientSampled :

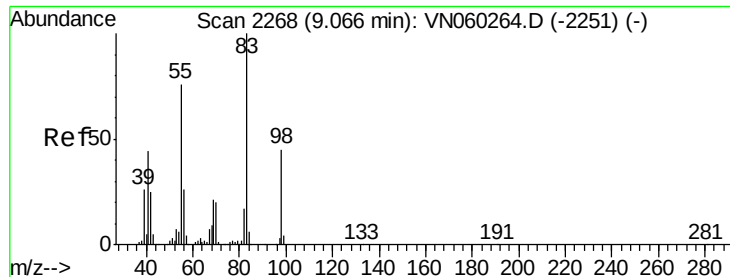
Tot Ion: 43 Resp: 60070
Ion Ratio Lower Upper
43 100
61 13.5 11.1 16.7
70 9.9 8.4 12.6



#38
Carbon Tetrachloride
Concen: 18.578 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN060302.D
Acq: 2 Mar 2020 11:40

Tgt Ion: 117 Resp: 58562
Ion Ratio Lower Upper
117 100
119 92.7 76.7 115.1
121 30.5 24.5 36.7

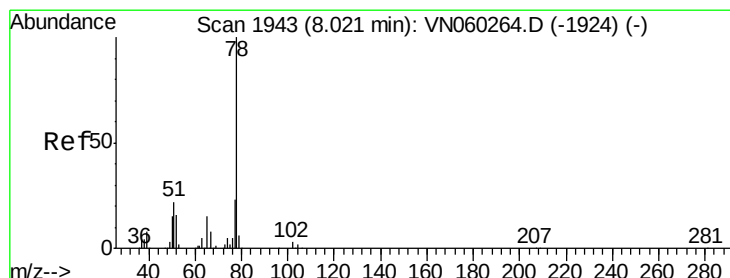
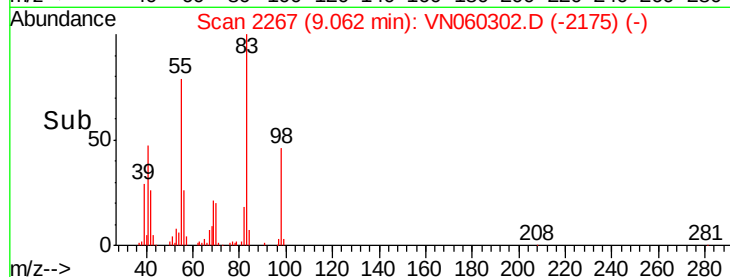
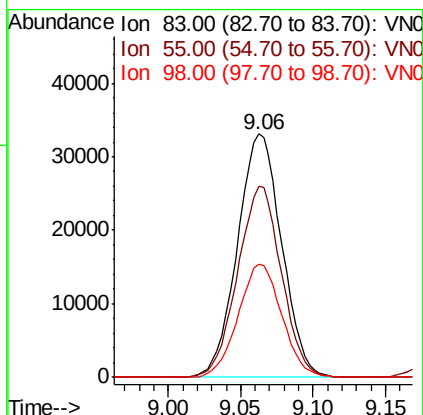
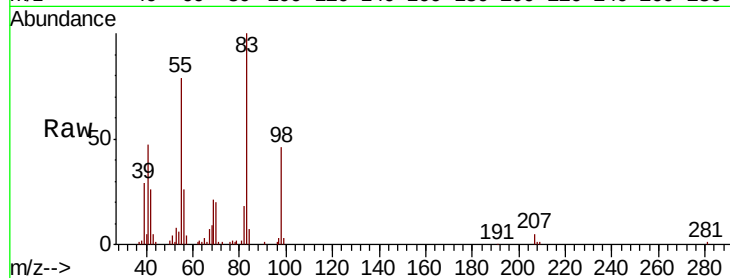




#39
Methylvlcyclohexane
Concen: 18.369 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060302.D
Acq: 2 Mar 2020 11:40

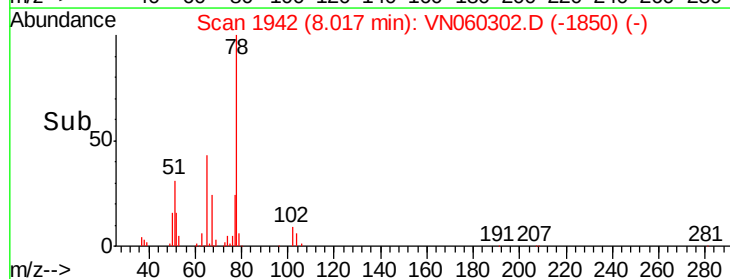
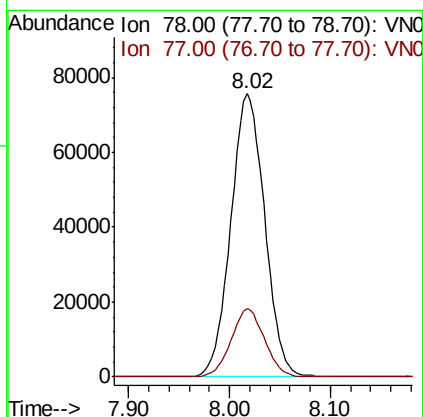
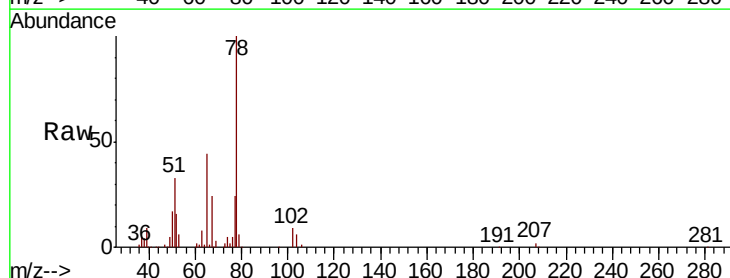
Instrument :
MSVOA_N
ClientSampleId :

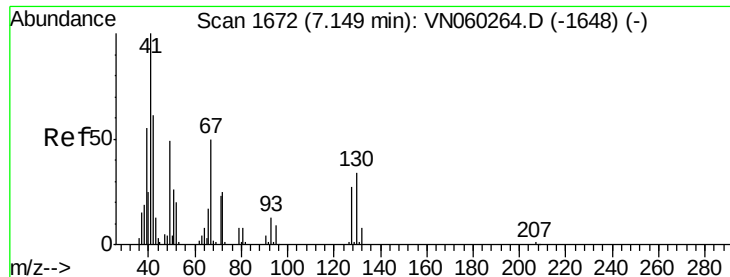
Tot Ion: 83 Resp: 70119
Ion Ratio Lower Upper
83 100
55 78.6 61.0 91.4
98 46.5 36.1 54.1



#40
Benzene
Concen: 18.721 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060302.D
Acq: 2 Mar 2020 11:40

Tgt Ion: 78 Resp: 176415
Ion Ratio Lower Upper
78 100
77 24.1 18.8 28.2





#41

Methacrylonitrile

Concen: 21.131 ug/l

RT: 7.14 min Scan# 1669

Delta R.T. -0.01 min

Lab File: VN060302.D

Acq: 2 Mar 2020 11:40

Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 41 Resp: 29911

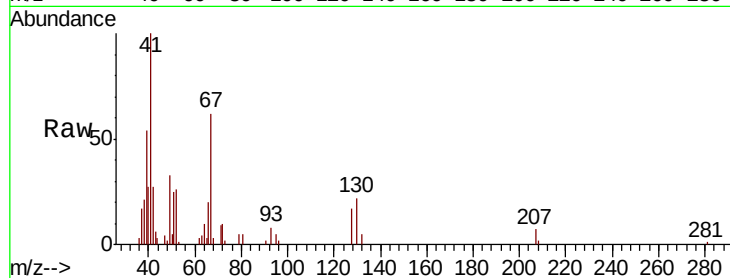
Ion Ratio Lower Upper

41 100

39 0.0 0.0 0.0

67 78.7 0.0 0.0#

52 33.9 0.0 0.0#



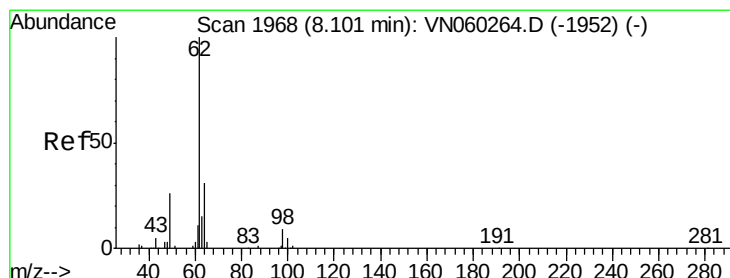
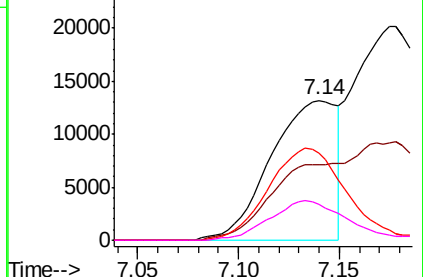
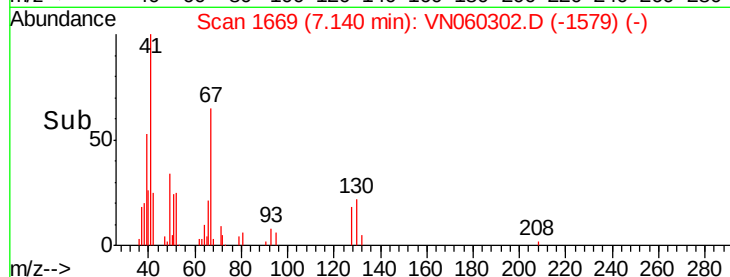
Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Time-->



#42

1,2-Dichloroethane

Concen: 19.531 ug/l

RT: 8.10 min Scan# 1968

Delta R.T. 0.00 min

Lab File: VN060302.D

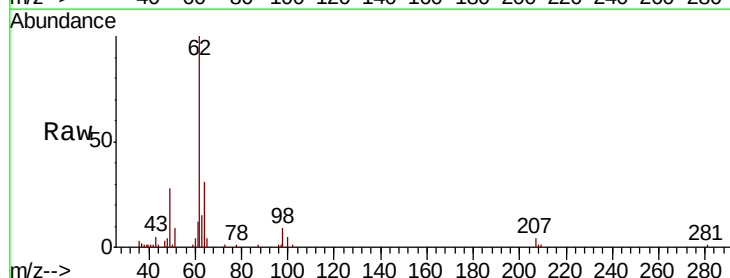
Acq: 2 Mar 2020 11:40

Tgt Ion: 62 Resp: 66415

Ion Ratio Lower Upper

62 100

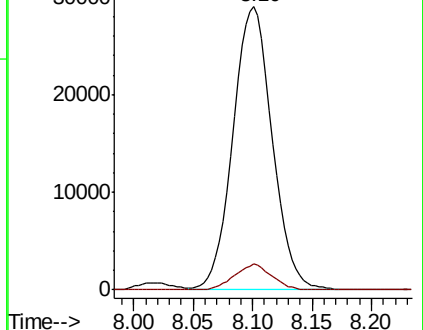
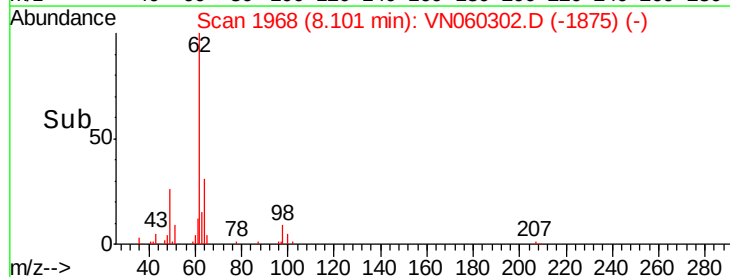
98 8.5 0.0 17.0

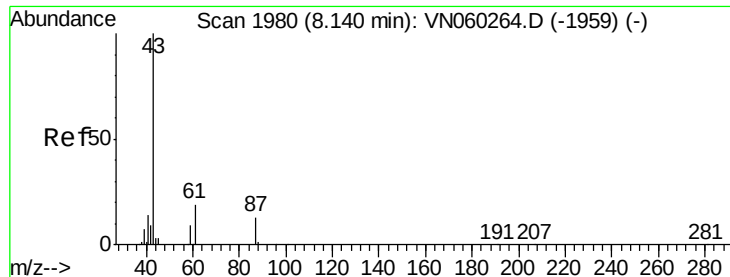


Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Time-->





#43

Isopropyl Acetate

Concen: 19.690 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060302.D

Acq: 2 Mar 2020 11:40

Instrument :

MSVOA_N

ClientSampleId :

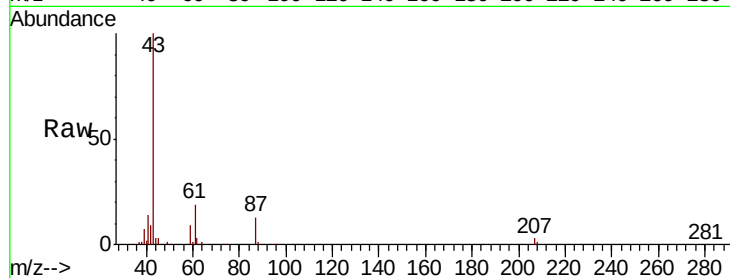
Tot Ion: 43 Resp: 105676

Ion Ratio Lower Upper

43 100

61 25.5 20.9 31.3

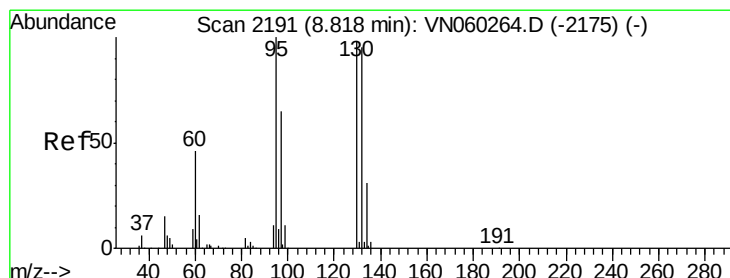
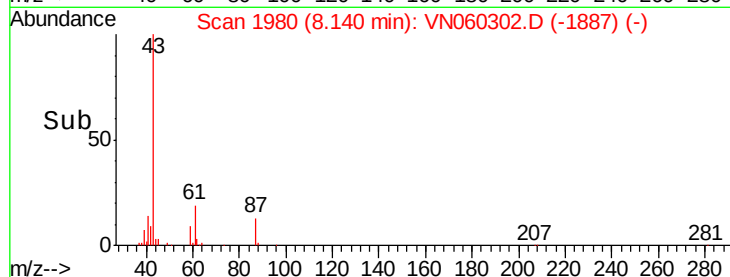
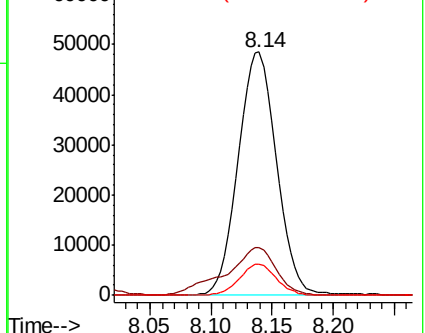
87 12.3 10.6 16.0



Abundance Ion 43.00 (42.70 to 43.70): VN060302.D (-1959) (-)

Ion 61.00 (60.70 to 61.70): VN060302.D (-1959) (-)

Ion 87.00 (86.70 to 87.70): VN060302.D (-1959) (-)



#44

Trichloroethene

Concen: 18.298 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. 0.00 min

Lab File: VN060302.D

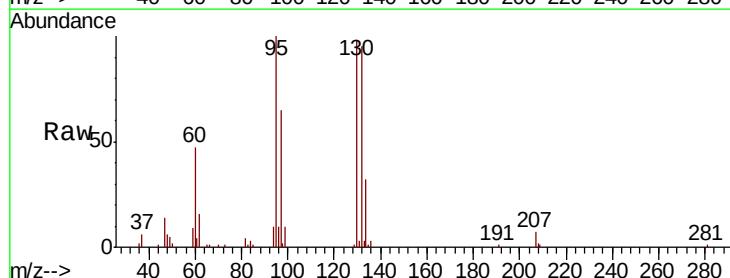
Acq: 2 Mar 2020 11:40

Tgt Ion:130 Resp: 48022

Ion Ratio Lower Upper

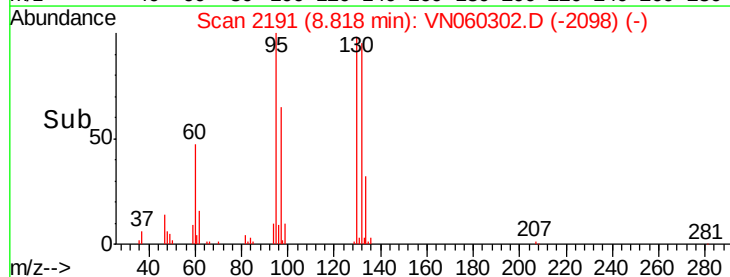
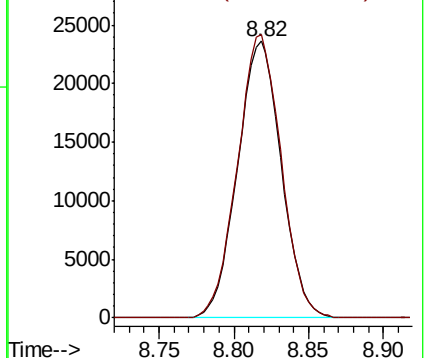
130 100

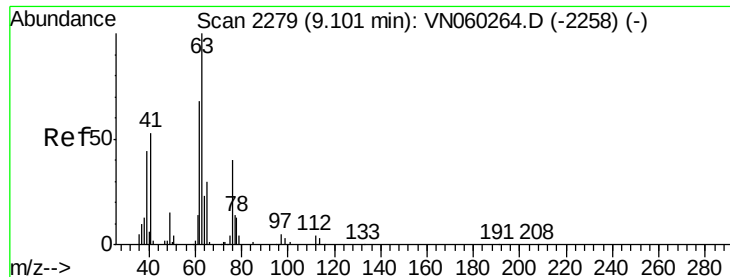
95 102.3 0.0 203.4



Abundance Ion 129.80 (129.50 to 130.50): VN060302.D (-2175) (-)

Ion 94.90 (94.60 to 95.60): VN060302.D (-2175) (-)





#45

1,2-Dichloropropane

Concen: 19.500 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. 0.00 min

Lab File: VN060302.D

Acq: 2 Mar 2020 11:40

Instrument :

MSVOA_N

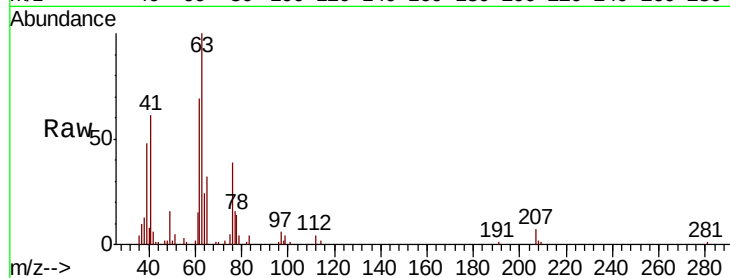
ClientSampled :

Tot Ion: 63 Resp: 48042

Ion Ratio Lower Upper

63 100

65 31.6 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VN060302.D (-2186) (-)

Ion 64.90 (64.60 to 65.60): VN060302.D (-2186) (-)

9.10

25000

20000

15000

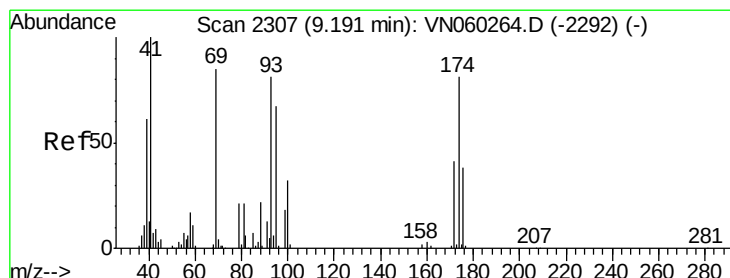
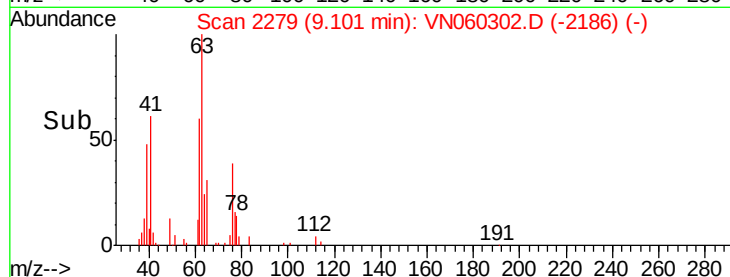
10000

5000

0

Time-->

9.00 9.05 9.10 9.15



#46

Dibromomethane

Concen: 19.370 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN060302.D

Acq: 2 Mar 2020 11:40

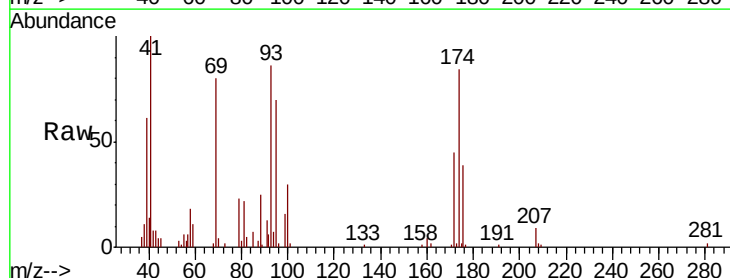
Tgt Ion: 93 Resp: 30966

Ion Ratio Lower Upper

93 100

95 82.1 65.9 98.9

174 97.0 79.6 119.4



Abundance Ion 92.80 (92.50 to 93.50): VN060302.D (-2214) (-)

Ion 94.80 (94.50 to 95.50): VN060302.D (-2214) (-)

Ion 173.70 (173.40 to 174.40): VN060302.D (-2214) (-)

9.19

20000

15000

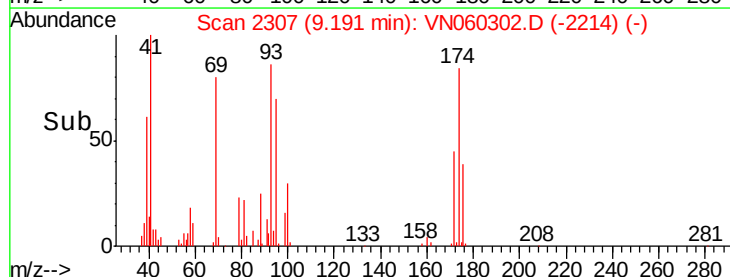
10000

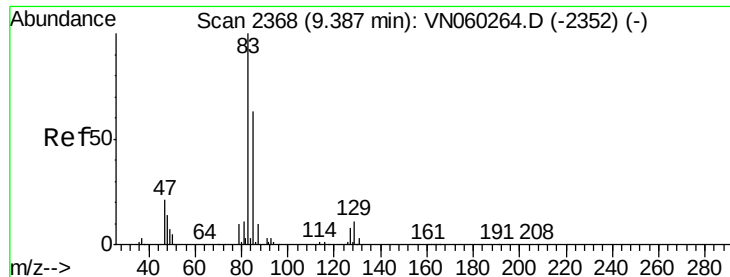
5000

0

Time-->

9.10 9.15 9.20 9.25





#47

Bromodichloromethane

Concen: 19.466 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN060302.D

Acq: 2 Mar 2020 11:40

Instrument :

MSVOA_N

ClientSampleId :

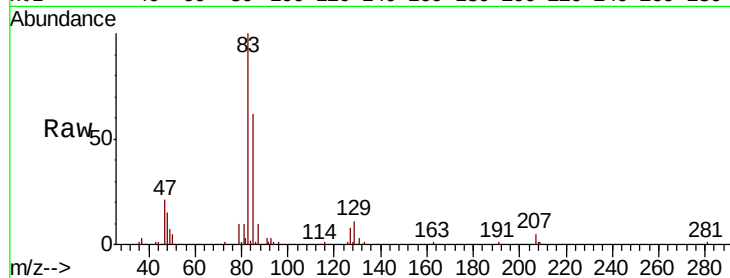
Tot Ion: 83 Resp: 63290

Ion Ratio Lower Upper

83 100

85 62.2 50.7 76.1

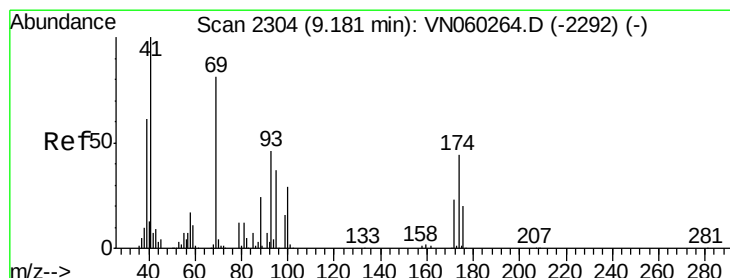
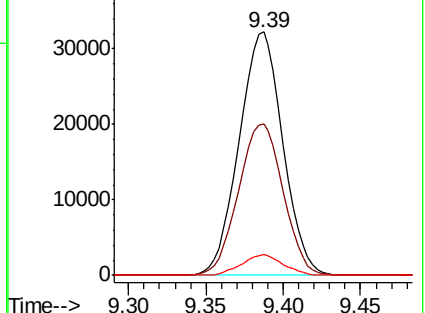
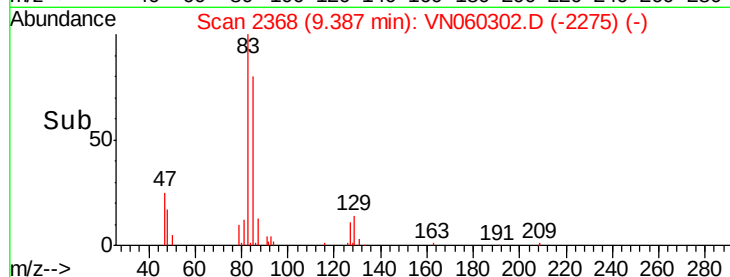
127 8.4 6.8 10.2



Abundance Ion 82.90 (82.60 to 83.60): VN060302.D (-2275) (-)

Ion 84.90 (84.60 to 85.60): VN060302.D (-2275) (-)

Ion 126.80 (126.50 to 127.50): VN060302.D (-2275) (-)



#48

Methyl methacrylate

Concen: 18.713 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. 0.00 min

Lab File: VN060302.D

Acq: 2 Mar 2020 11:40

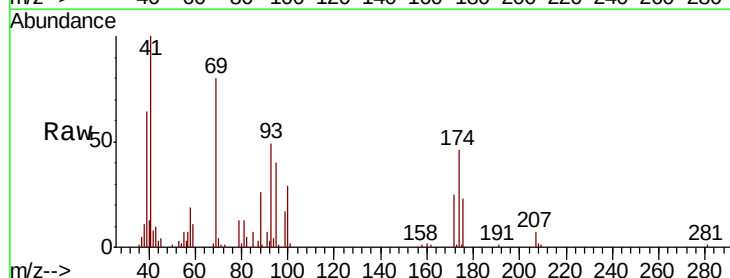
Tgt Ion: 41 Resp: 45797

Ion Ratio Lower Upper

41 100

69 81.7 66.7 100.1

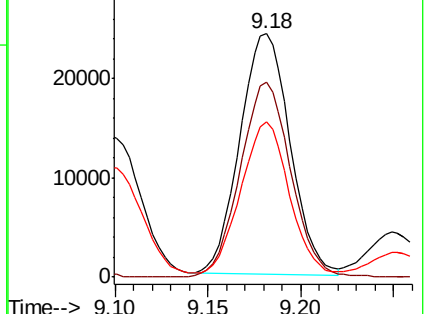
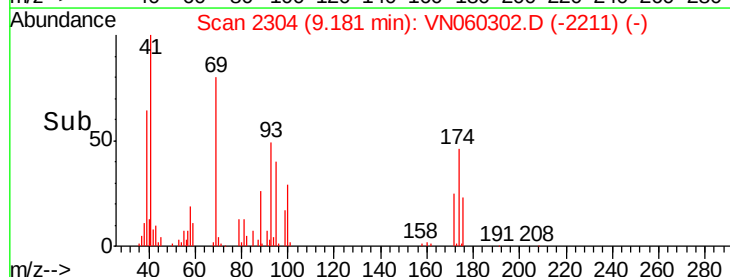
39 63.5 50.1 75.1

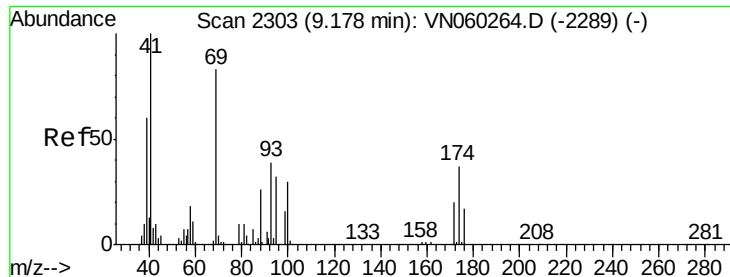


Abundance Ion 41.00 (40.70 to 41.70): VN060302.D (-2211) (-)

Ion 69.00 (68.70 to 69.70): VN060302.D (-2211) (-)

Ion 39.00 (38.70 to 39.70): VN060302.D (-2211) (-)

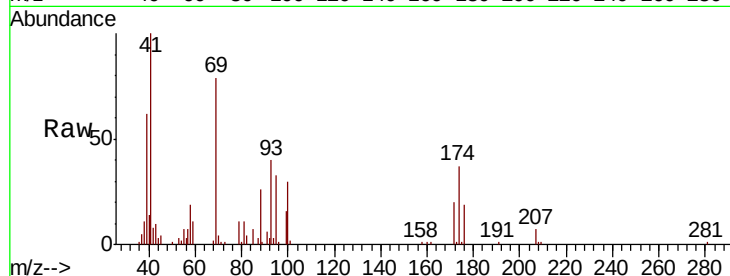




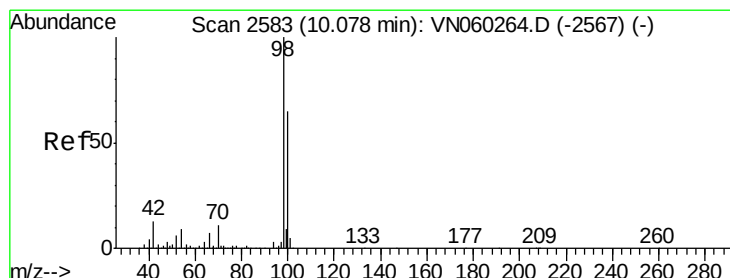
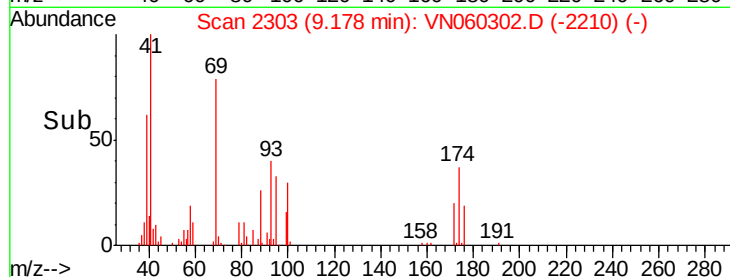
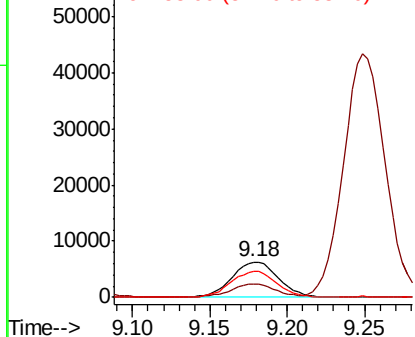
#49
1,4-Dioxane
Concen: 382.083 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN060302.D
Acq: 2 Mar 2020 11:40

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 88 Resp: 13150
Ion Ratio Lower Upper
88 100
43 36.4 30.4 45.6
58 72.3 57.0 85.6

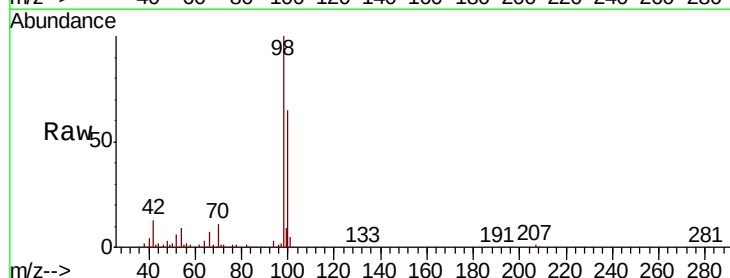


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

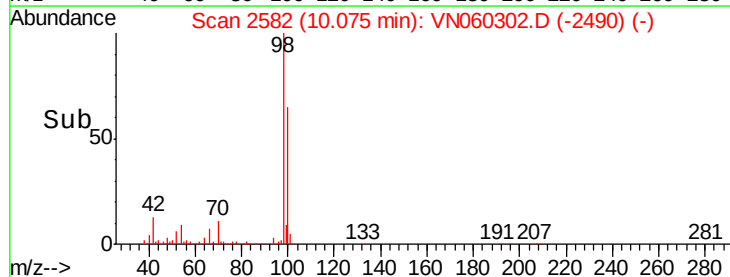
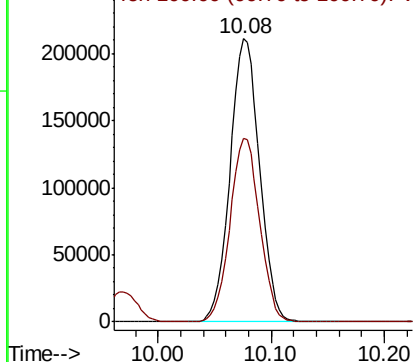


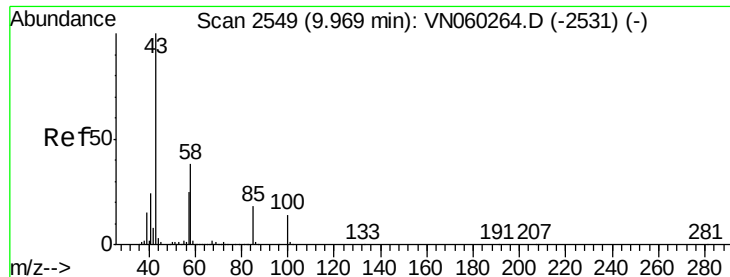
#50
Toluene-d8
Concen: 47.891 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060302.D
Acq: 2 Mar 2020 11:40

Tgt Ion: 98 Resp: 382198
Ion Ratio Lower Upper
98 100
100 65.0 52.2 78.2



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

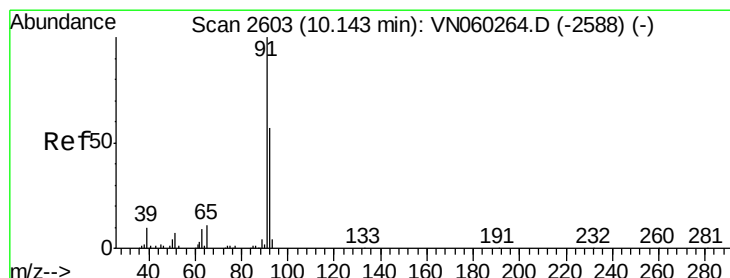
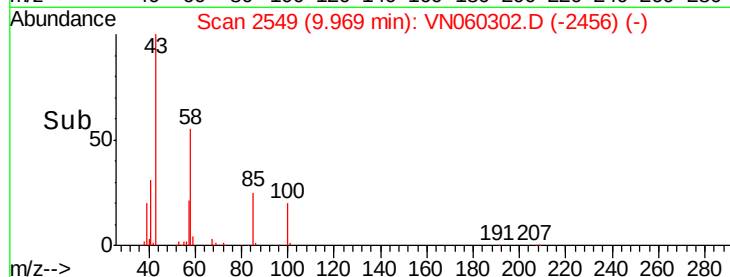
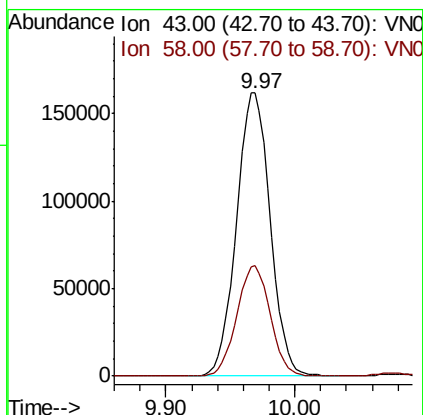
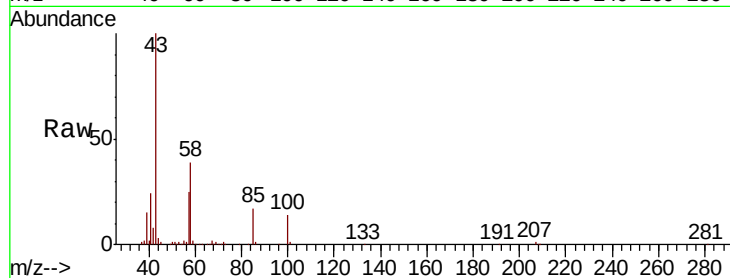




#51
 4-Methyl-2-Pentanone
 Concen: 96.669 ug/l
 RT: 9.97 min Scan# 2549
 Delta R.T. 0.00 min
 Lab File: VN060302.D
 Acq: 2 Mar 2020 11:40

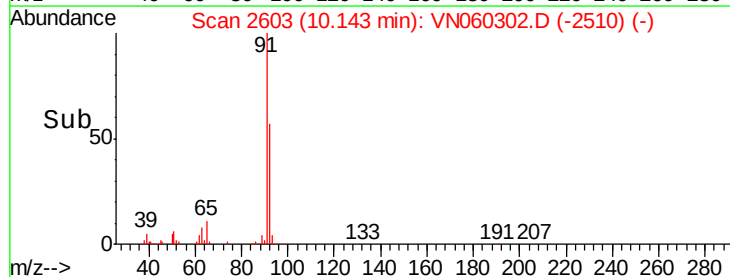
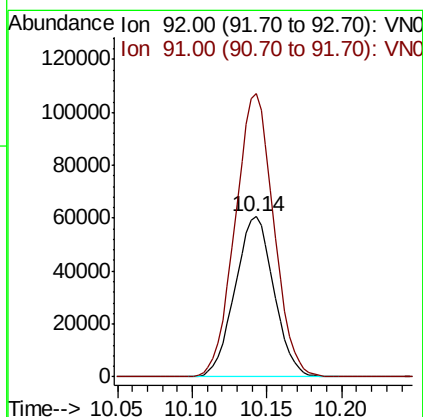
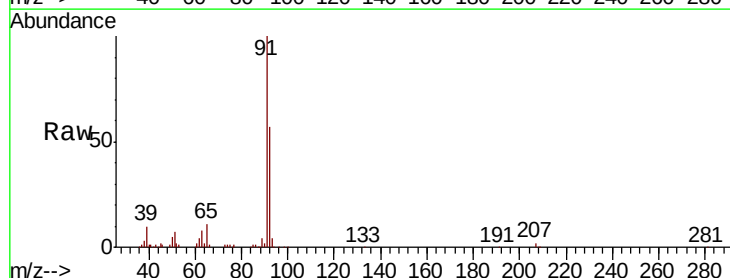
Instrument :
 MSVOA_N
 ClientSampled :

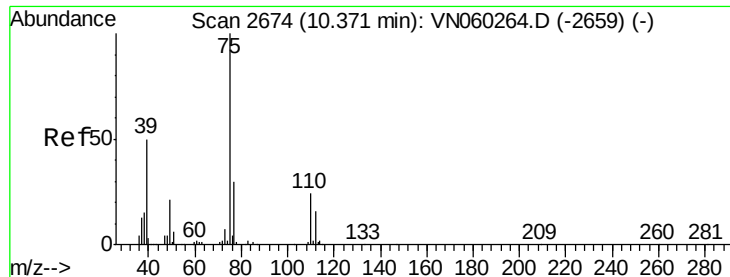
Tot Ion: 43 Resp: 294156
 Ion Ratio Lower Upper
 43 100
 58 38.7 30.9 46.3



#52
 Toluene
 Concen: 18.478 ug/l
 RT: 10.14 min Scan# 2603
 Delta R.T. 0.00 min
 Lab File: VN060302.D
 Acq: 2 Mar 2020 11:40

Tgt Ion: 92 Resp: 109378
 Ion Ratio Lower Upper
 92 100
 91 175.9 138.1 207.1





#53

t-1,3-Dichloropropene

Concen: 18.647 ug/l

RT: 10.37 min Scan# 2673

Delta R.T. -0.00 min

Lab File: VN060302.D

Acq: 2 Mar 2020 11:40

Instrument :

MSVOA_N

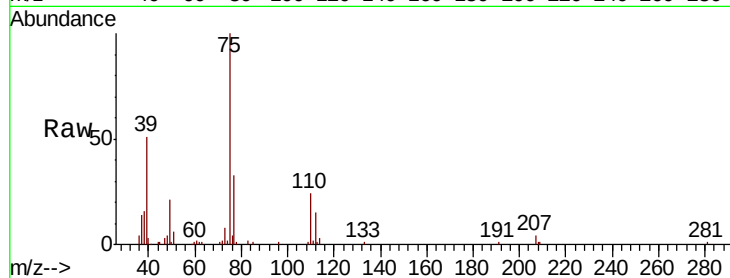
ClientSampleId :

Tot Ion: 75 Resp: 74291

Ion Ratio Lower Upper

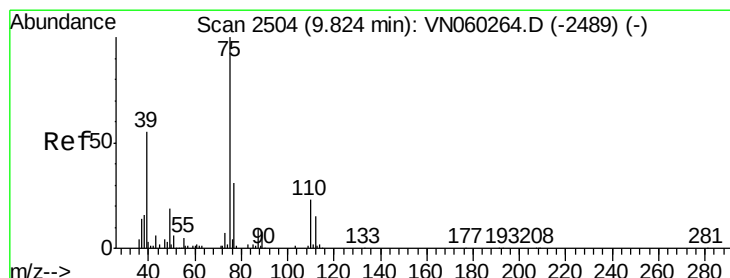
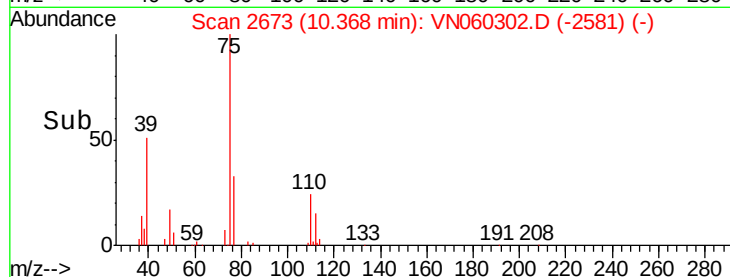
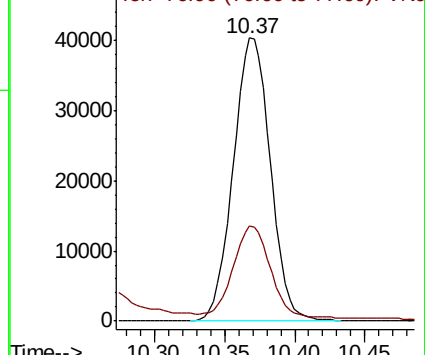
75 100

77 32.4 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: 19.243 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN060302.D

Acq: 2 Mar 2020 11:40

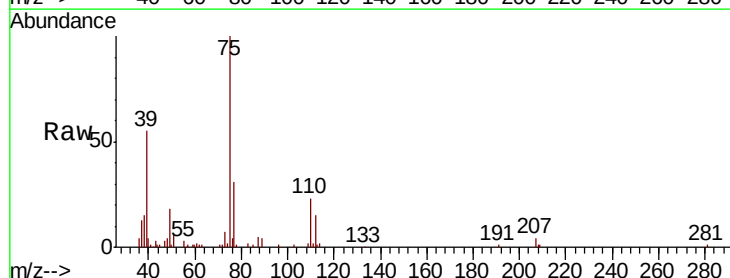
Tgt Ion: 75 Resp: 79439

Ion Ratio Lower Upper

75 100

77 31.1 24.8 37.2

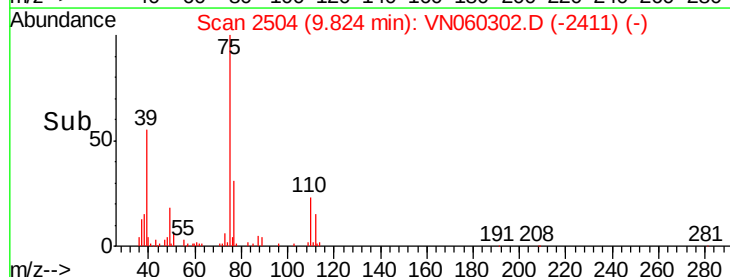
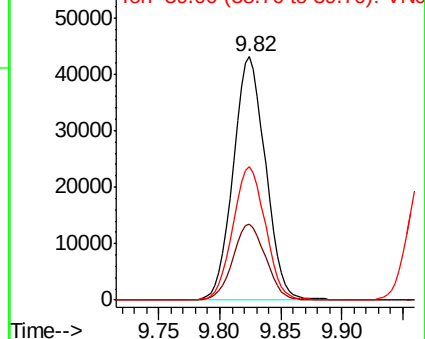
39 54.9 43.8 65.8

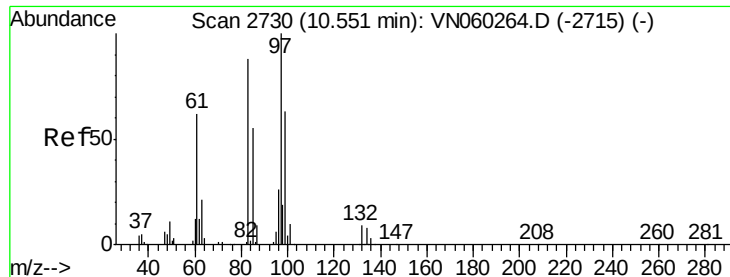


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

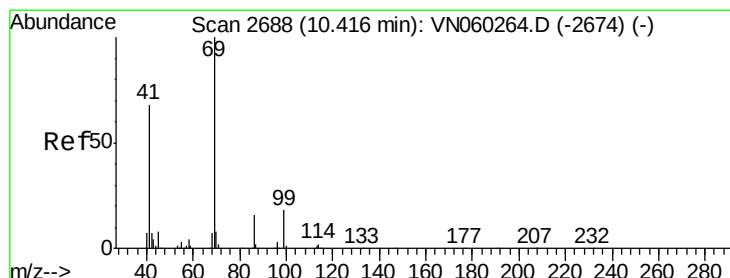
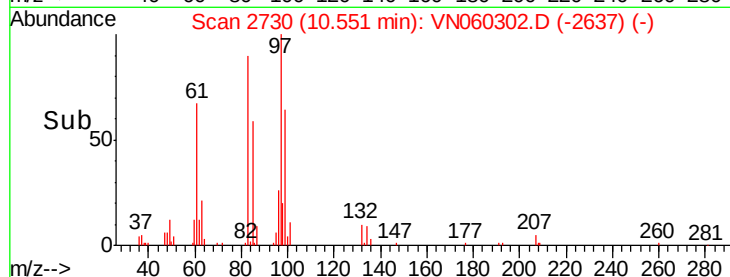
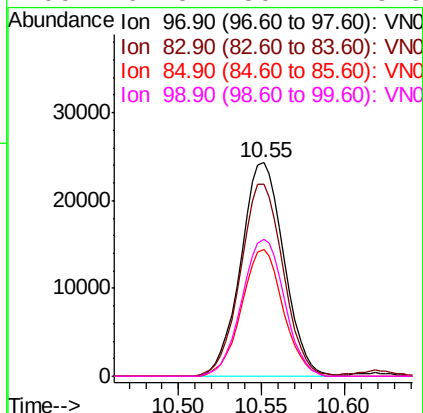
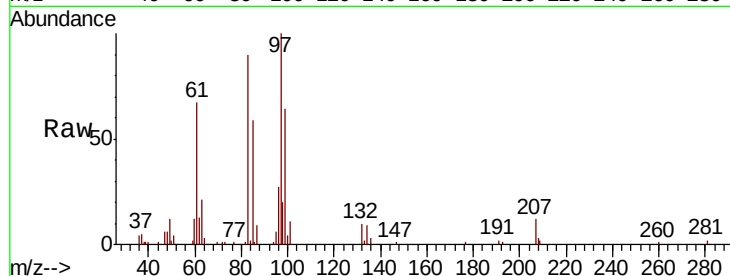




#55
 1,1,2-Trichloroethane
 Concen: 18.565 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN060302.D
 Acq: 2 Mar 2020 11:40

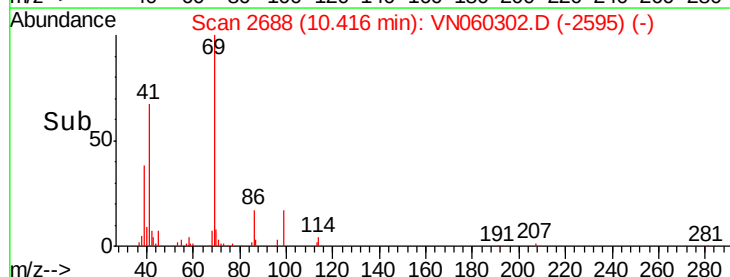
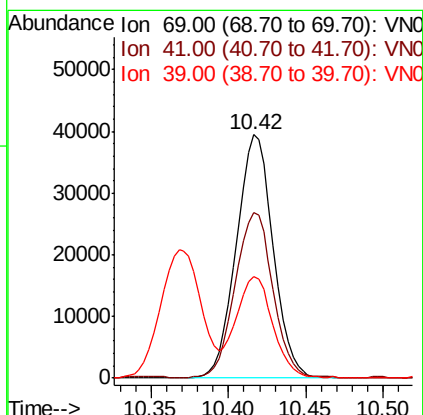
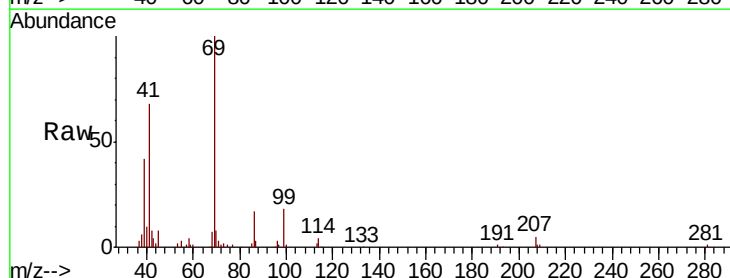
Instrument :
 MSVOA_N
 ClientSampleId :

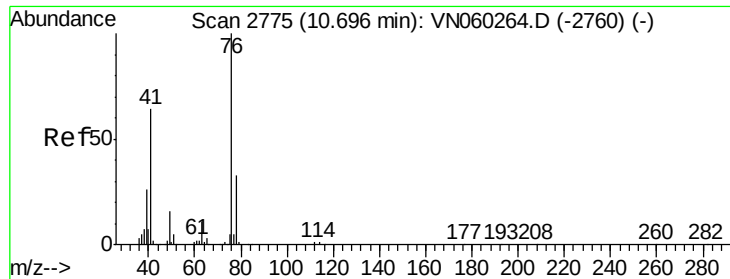
Tot Ion:	97	Resp:	44193
Ion	Ratio	Lower	Upper
97	100		
83	89.7	70.0	105.0
85	59.3	44.0	66.0
99	64.3	50.4	75.6



#56
 Ethyl methacrylate
 Concen: 19.069 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN060302.D
 Acq: 2 Mar 2020 11:40

Tgt Ion:	69	Resp:	65214
Ion	Ratio	Lower	Upper
69	100		
41	70.2	54.1	81.1
39	42.5	32.5	48.7





#57

1,3-Dichloropropane

Concen: 19.598 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN060302.D

Acq: 2 Mar 2020 11:40

Instrument :

MSVOA_N

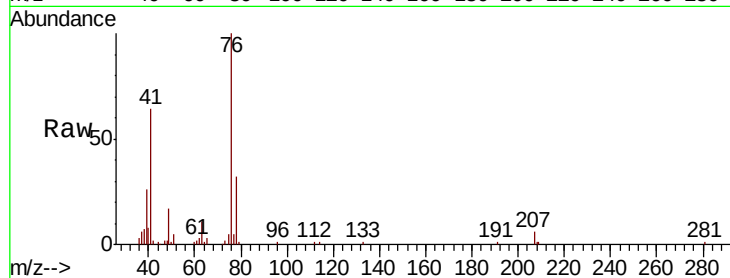
ClientSampleId :

Tot Ion: 76 Resp: 76081

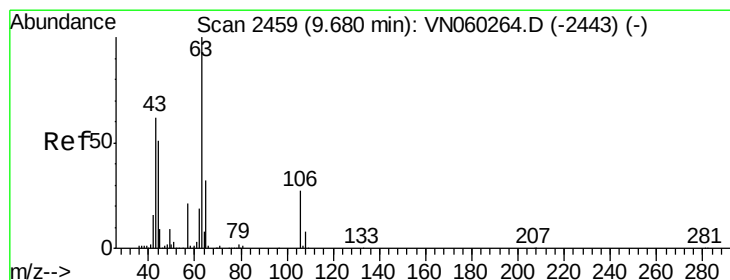
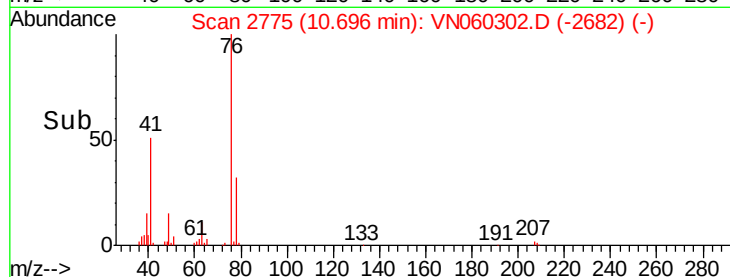
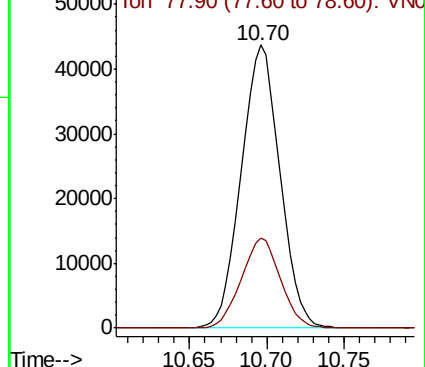
Ion Ratio Lower Upper

76 100

78 32.3 26.2 39.2



Abundance Ion 75.90 (75.60 to 76.60): VN060302.D (-2682) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 94.717 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN060302.D

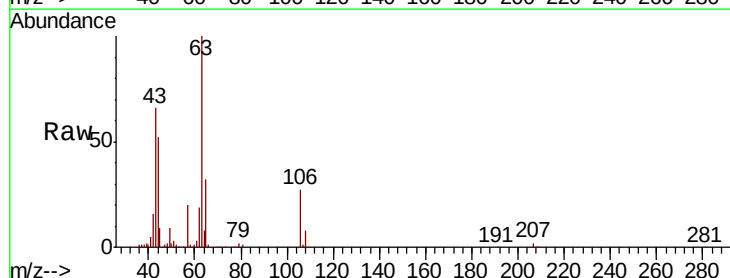
Acq: 2 Mar 2020 11:40

Tgt Ion: 63 Resp: 169412

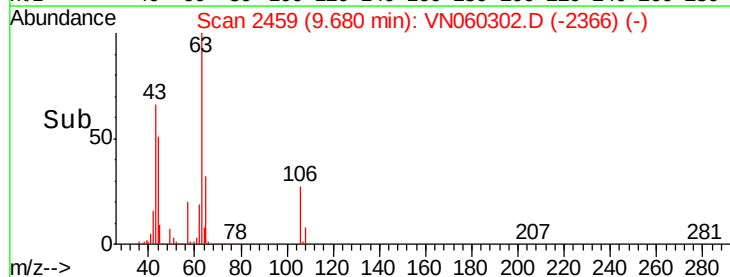
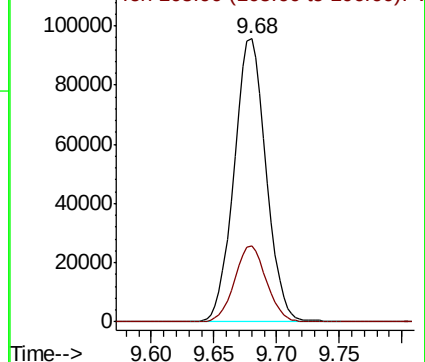
Ion Ratio Lower Upper

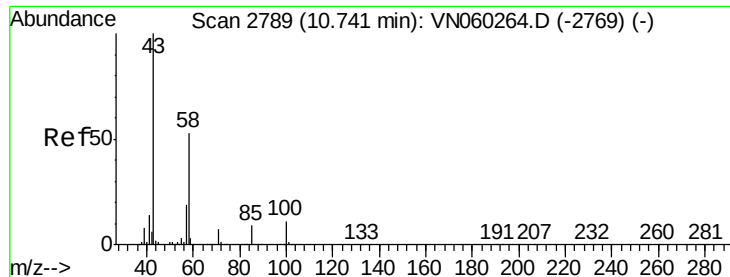
63 100

106 26.7 21.1 31.7



Abundance Ion 62.90 (62.60 to 63.60): VN060302.D (-2366) (-)

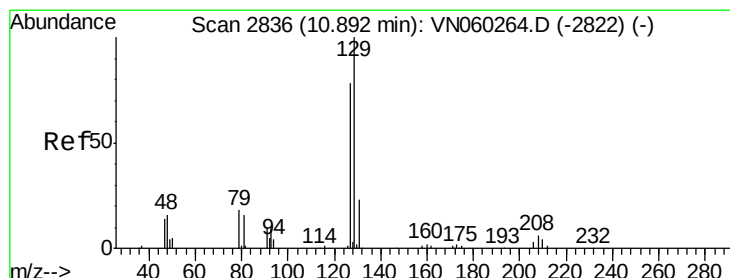
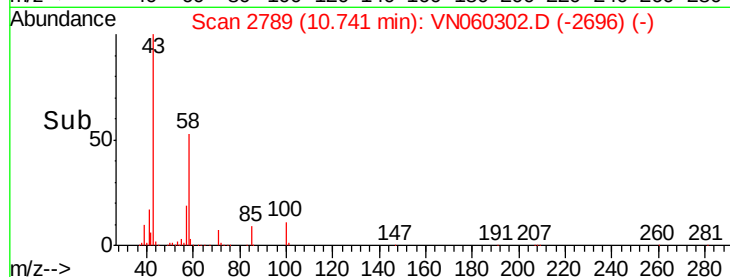
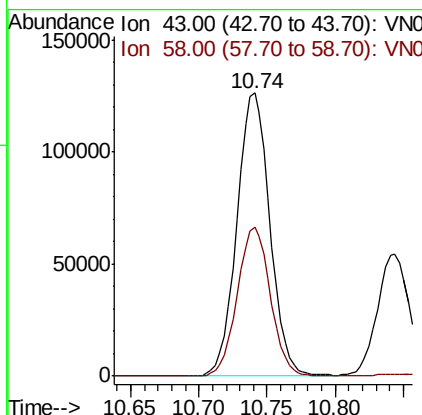
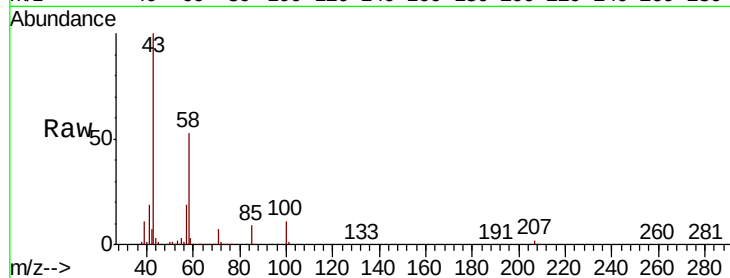




#59
2-Hexanone
Concen: 94.788 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060302.D
Acq: 2 Mar 2020 11:40

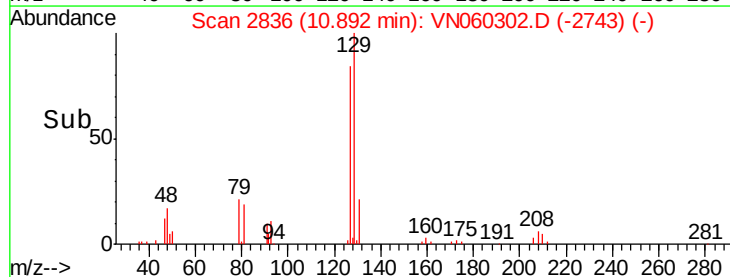
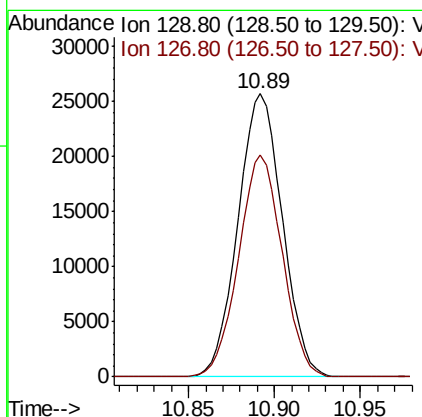
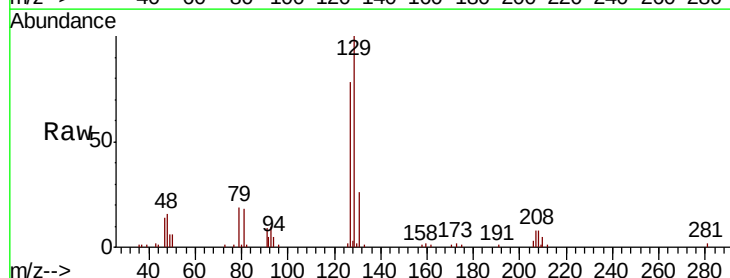
Instrument :
MSVOA_N
ClientSampleId :

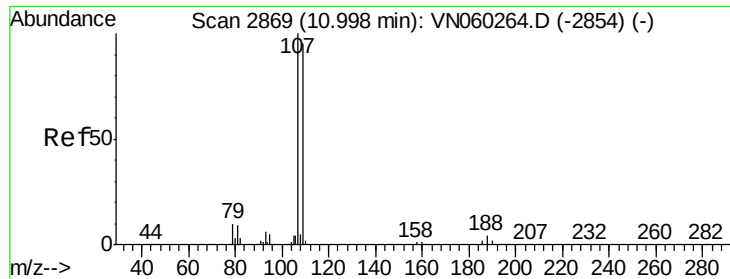
Tot Ion: 43 Resp: 211775
Ion Ratio Lower Upper
43 100
58 53.0 26.5 79.5



#60
Dibromochloromethane
Concen: 19.031 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060302.D
Acq: 2 Mar 2020 11:40

Tgt Ion: 129 Resp: 46070
Ion Ratio Lower Upper
129 100
127 76.9 38.9 116.7





#61

1,2-Dibromoethane

Concen: 19.089 ug/l

RT: 10.99 min Scan# 2868

Delta R.T. -0.00 min

Lab File: VN060302.D

Acq: 2 Mar 2020 11:40

Instrument :

MSVOA_N

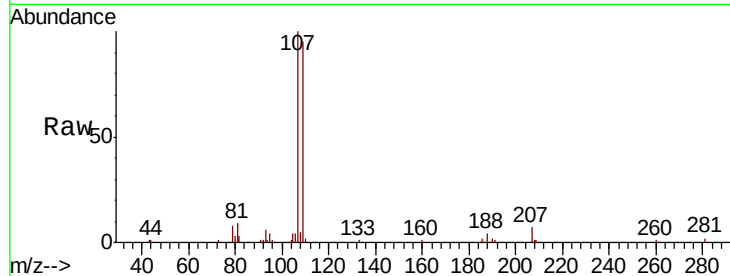
ClientSampled :

Tot Ion:107 Resp: 44295

Ion Ratio Lower Upper

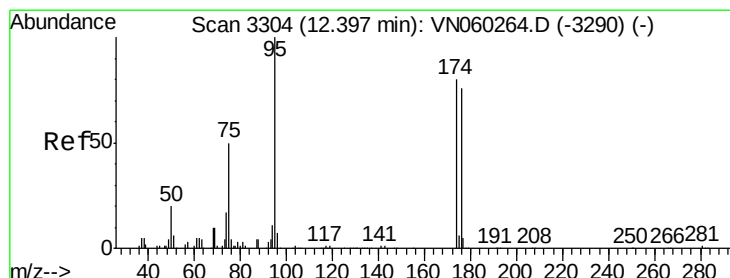
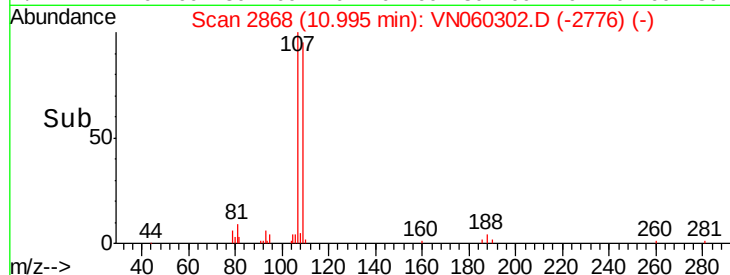
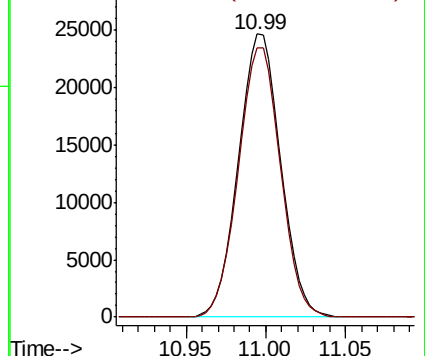
107 100

109 95.0 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: 47.279 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060302.D

Acq: 2 Mar 2020 11:40

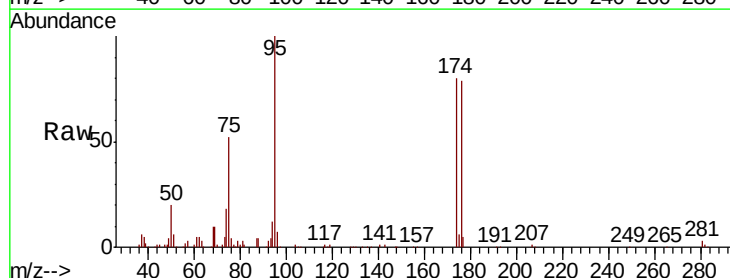
Tgt Ion: 95 Resp: 143031

Ion Ratio Lower Upper

95 100

174 80.2 0.0 159.2

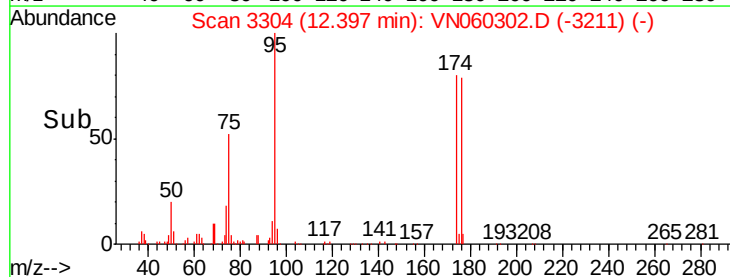
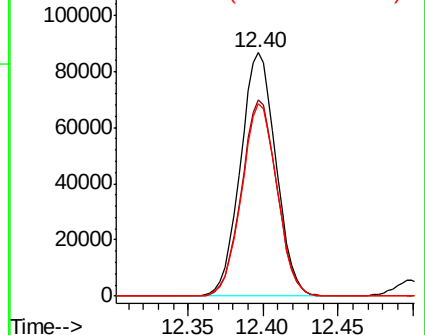
176 78.5 0.0 153.8

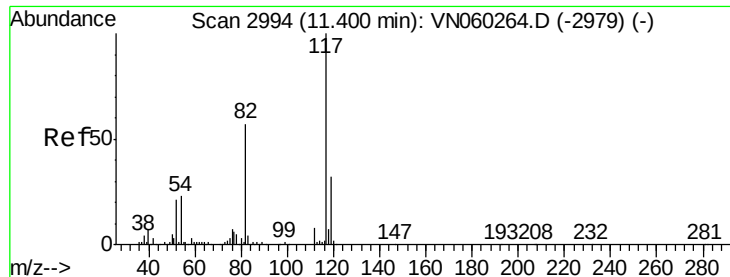


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

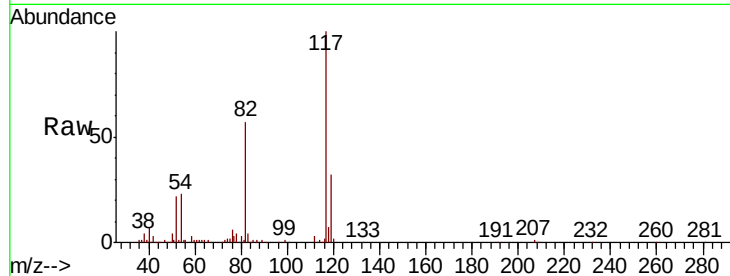




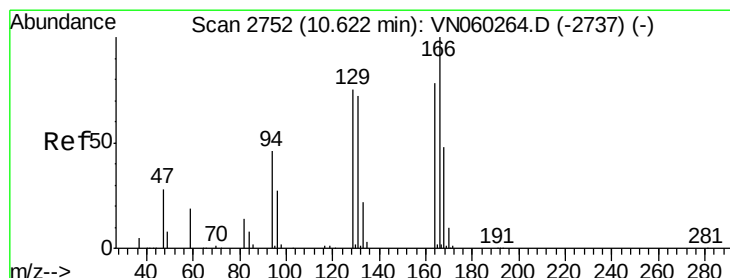
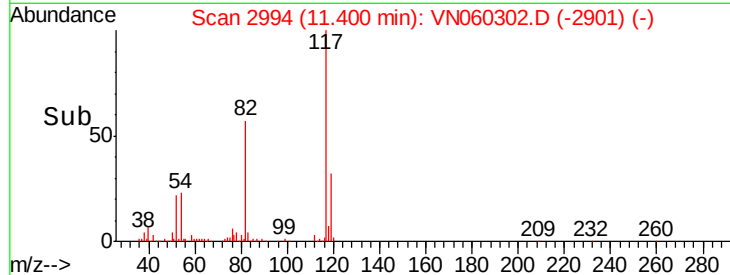
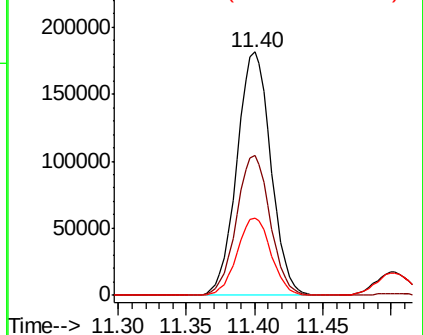
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060302.D
Acq: 2 Mar 2020 11:40

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 312966
Ion Ratio Lower Upper
117 100
82 57.4 45.8 68.6
119 31.9 25.8 38.8

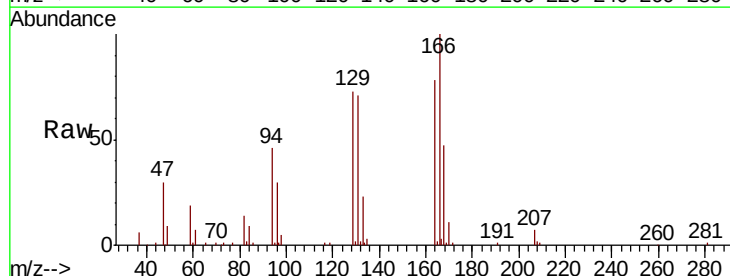


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

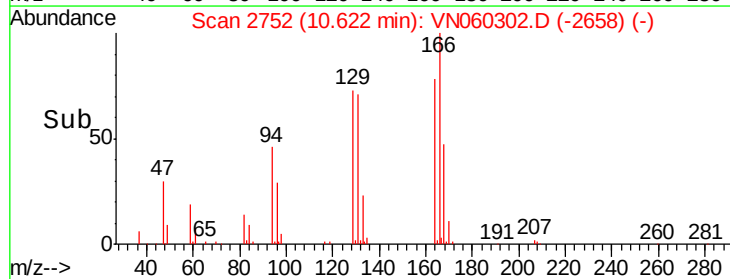
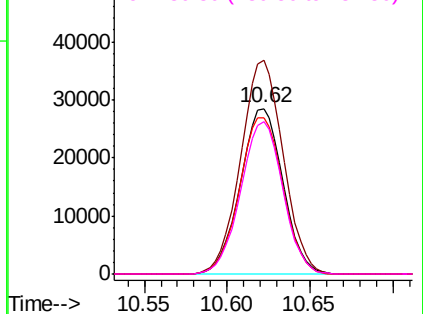


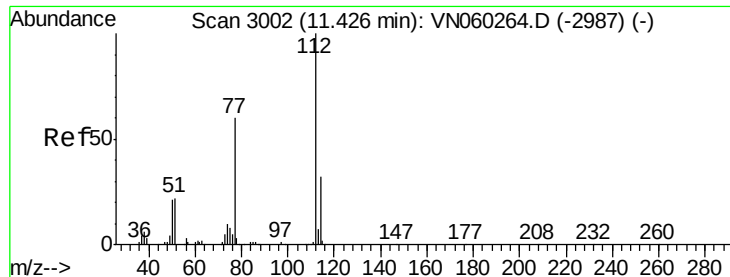
#64
Tetrachloroethene
Concen: 19.850 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN060302.D
Acq: 2 Mar 2020 11:40

Tgt Ion:164 Resp: 51014
Ion Ratio Lower Upper
164 100
166 128.9 102.0 153.0
129 94.6 76.4 114.6
131 91.9 73.6 110.4



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 18.473 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. 0.00 min

Lab File: VN060302.D

Acq: 2 Mar 2020 11:40

Instrument :

MSVOA_N

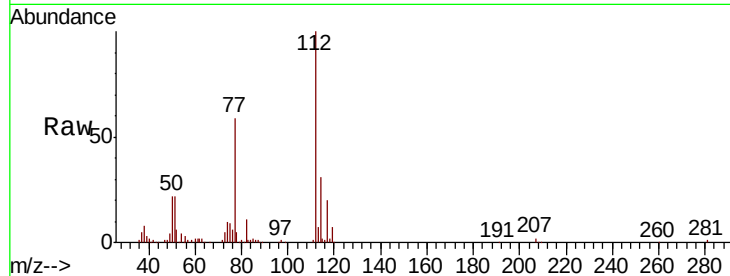
ClientSampled :

Tot Ion:112 Resp: 116744

Ion Ratio Lower Upper

112 100

114 30.7 25.4 38.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

80000

60000

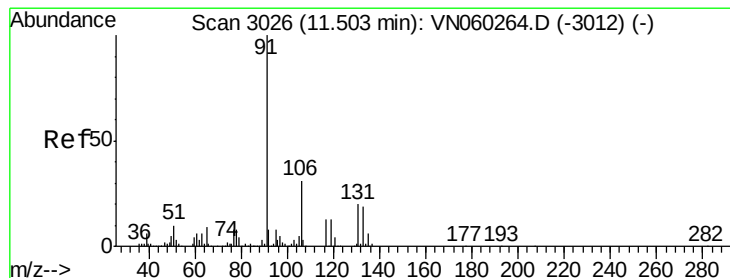
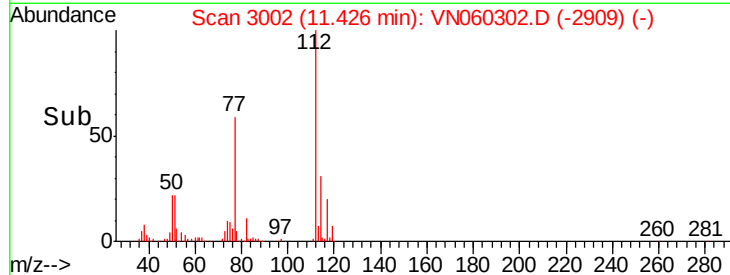
40000

20000

0

Time-->

11.35 11.40 11.45 11.50



#66

1,1,1,2-Tetrachloroethane

Concen: 18.934 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN060302.D

Acq: 2 Mar 2020 11:40

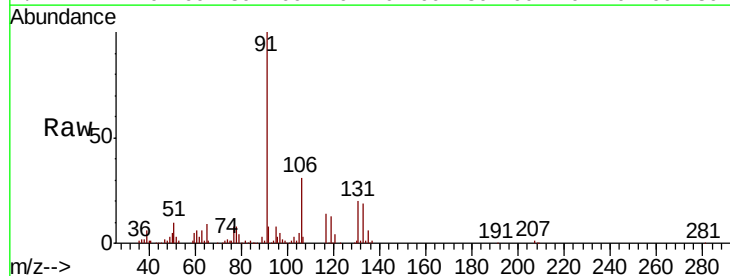
Tgt Ion:131 Resp: 44242

Ion Ratio Lower Upper

131 100

133 96.6 47.7 143.1

119 67.0 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

40000

30000

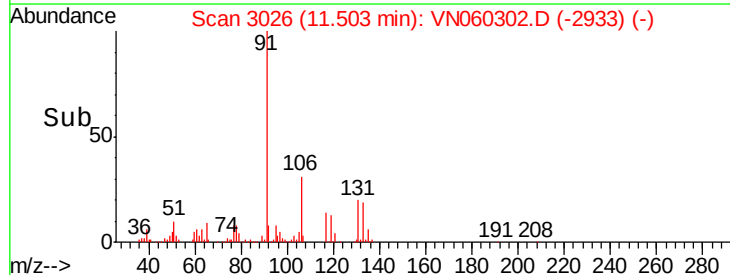
20000

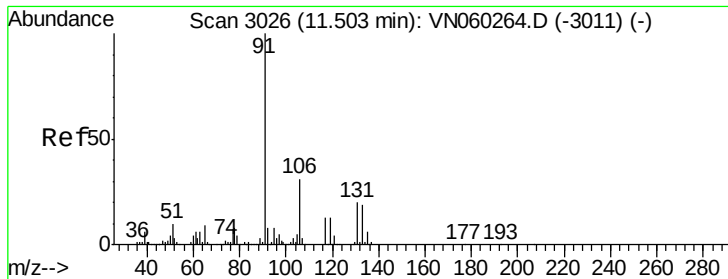
10000

0

Time-->

11.45 11.50 11.55

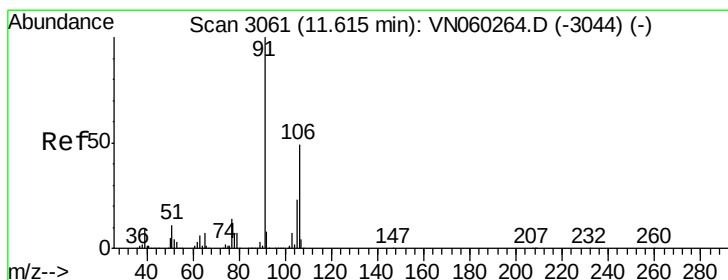
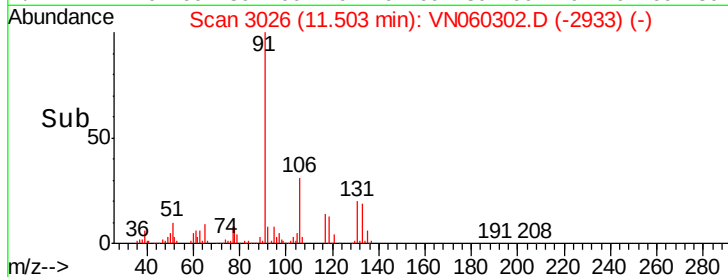
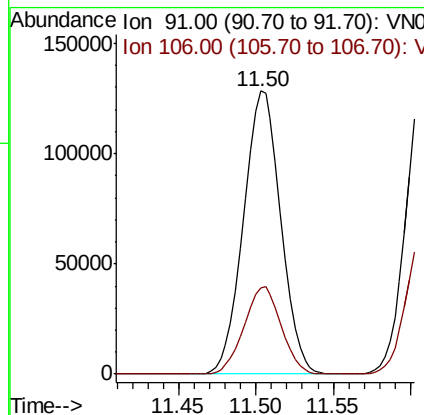
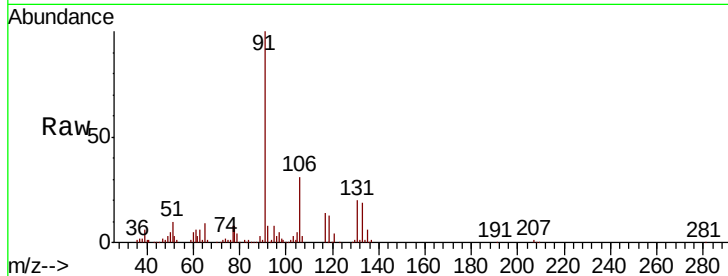




#67
Ethyl Benzene
Concen: 18.695 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN060302.D
Acq: 2 Mar 2020 11:40

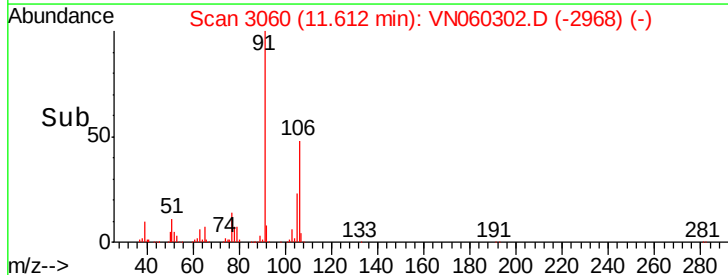
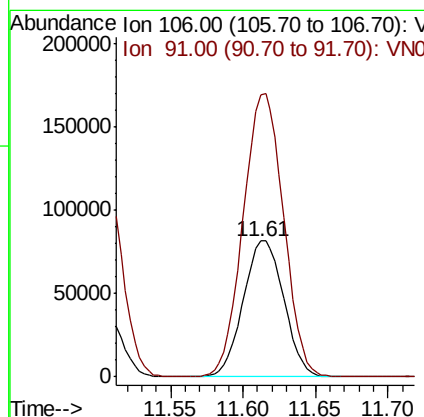
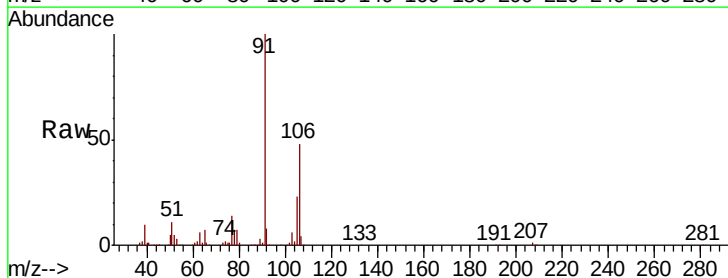
Instrument :
MSVOA_N
ClientSampled :

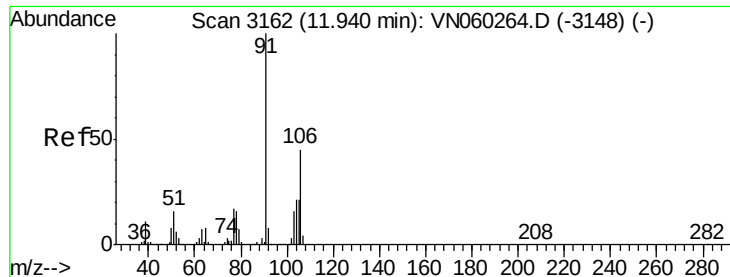
Tot Ion: 91 Resp: 215149
Ion Ratio Lower Upper
91 100
106 30.6 24.7 37.1



#68
m/p-Xylenes
Concen: 36.626 ug/l
RT: 11.61 min Scan# 3060
Delta R.T. -0.00 min
Lab File: VN060302.D
Acq: 2 Mar 2020 11:40

Tgt Ion: 106 Resp: 159032
Ion Ratio Lower Upper
106 100
91 207.2 164.5 246.7

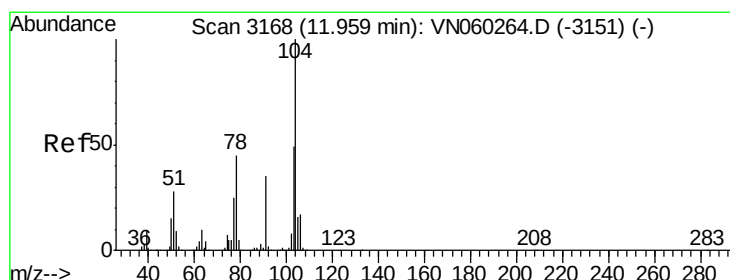
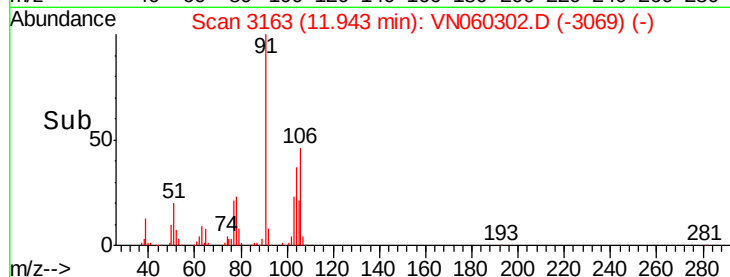
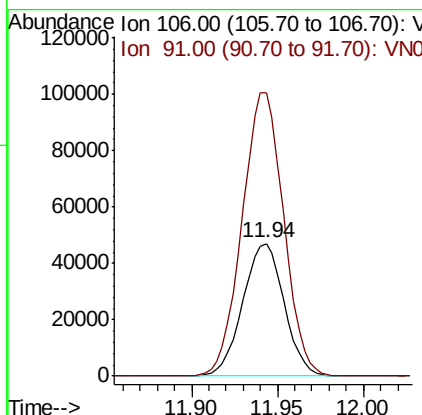
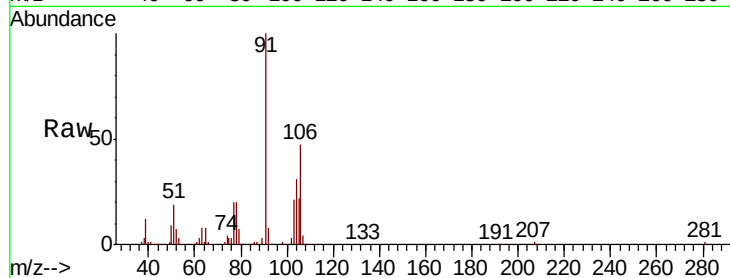




#69
o-Xylene
Concen: 18.862 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN060302.D
Acq: 2 Mar 2020 11:40

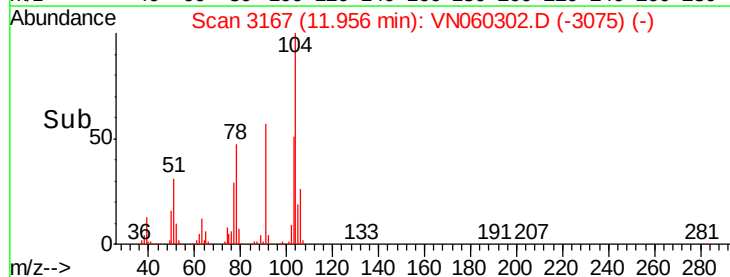
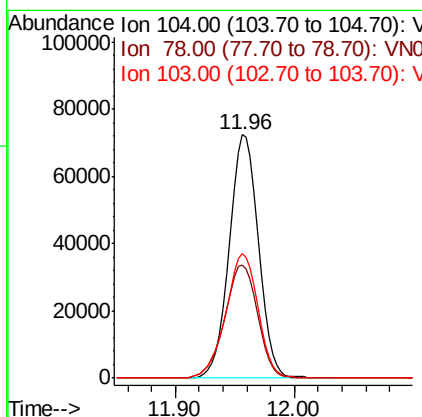
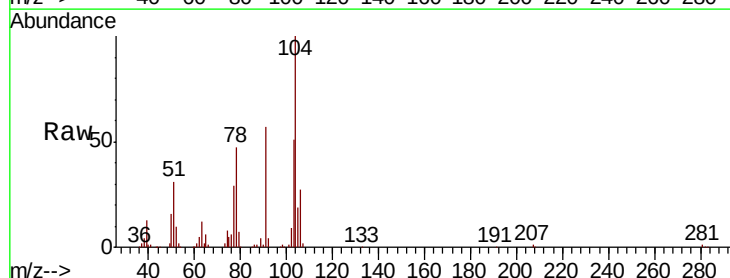
Instrument :
MSVOA_N
ClientSampled :

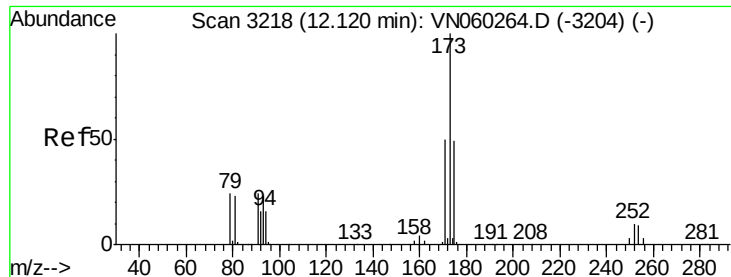
Tot Ion:106 Resp: 78097
Ion Ratio Lower Upper
106 100
91 215.4 109.5 328.4



#70
Styrene
Concen: 18.141 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060302.D
Acq: 2 Mar 2020 11:40

Tgt Ion:104 Resp: 123497
Ion Ratio Lower Upper
104 100
78 52.1 41.2 61.8
103 56.3 43.9 65.9





#71

Bromoform

Concen: 18.692 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN060302.D

Acq: 2 Mar 2020 11:40

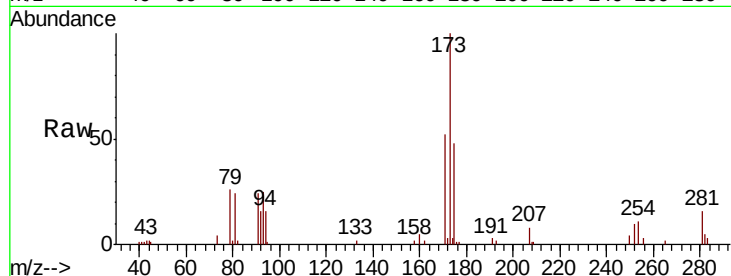
Instrument :

MSVOA_N

ClientSampled :

Tot Ion:173 Resp: 31478

Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.1	72.2
254	0.0	0.0	0.0

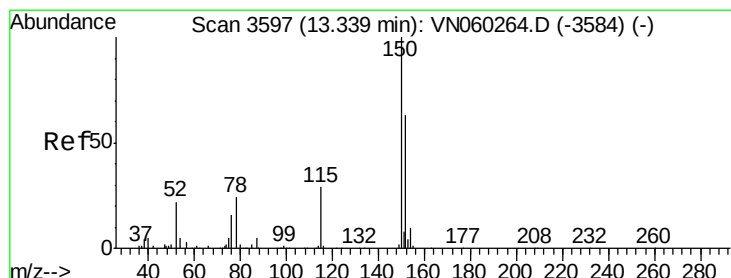
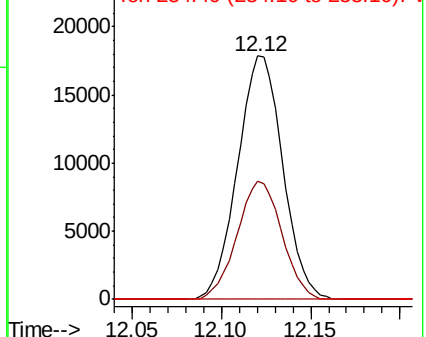
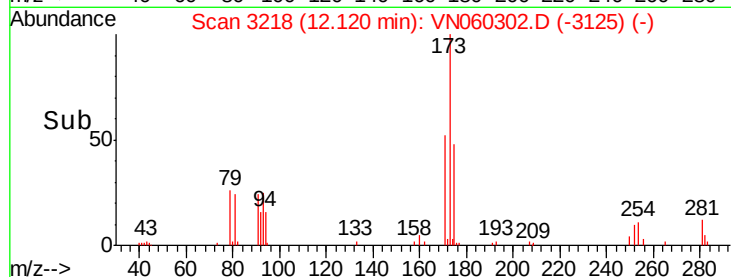


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

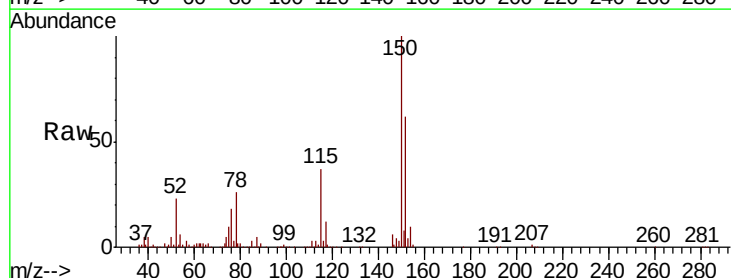
Delta R.T. 0.00 min

Lab File: VN060302.D

Acq: 2 Mar 2020 11:40

Tgt Ion:152 Resp: 149751

Ion	Ratio	Lower	Upper
152	100		
115	59.7	30.0	90.0
150	165.2	0.0	349.6

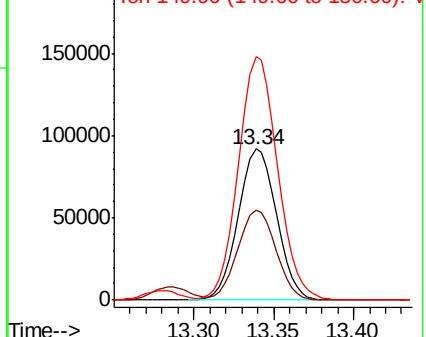
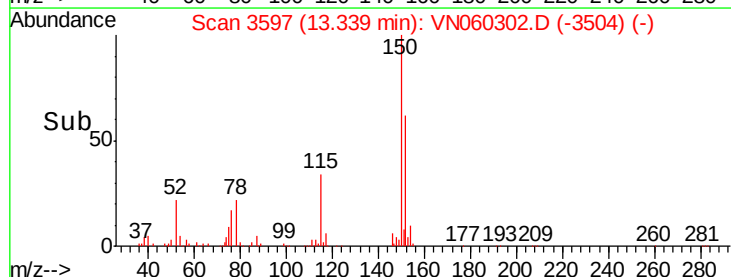


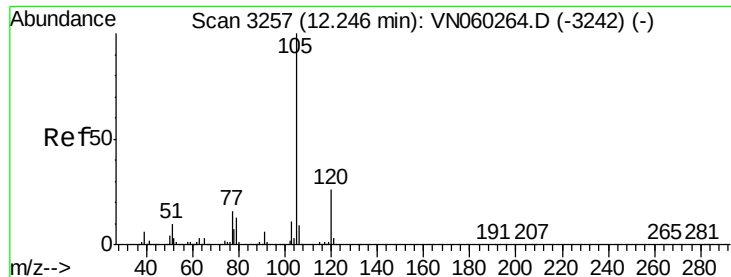
Abundance

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: 18.763 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN060302.D

Acq: 2 Mar 2020 11:40

Instrument :

MSVOA_N

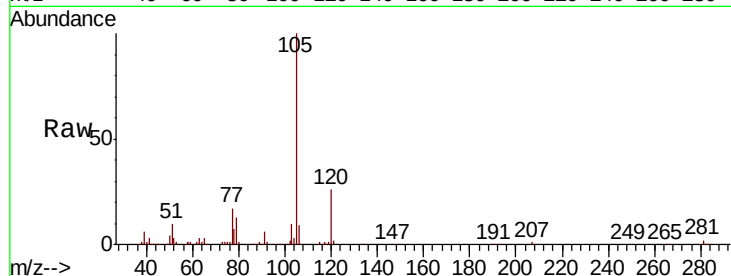
ClientSampled :

Tot Ion: 105 Resp: 208263

Ion Ratio Lower Upper

105 100

120 26.2 13.0 38.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

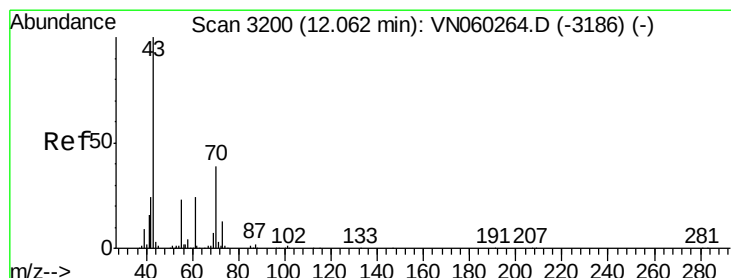
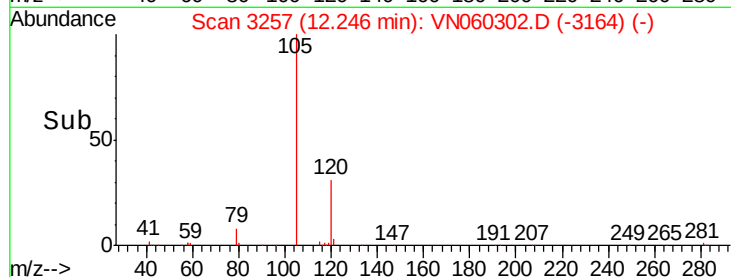
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 18.479 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN060302.D

Acq: 2 Mar 2020 11:40

Tgt Ion: 43 Resp: 89625

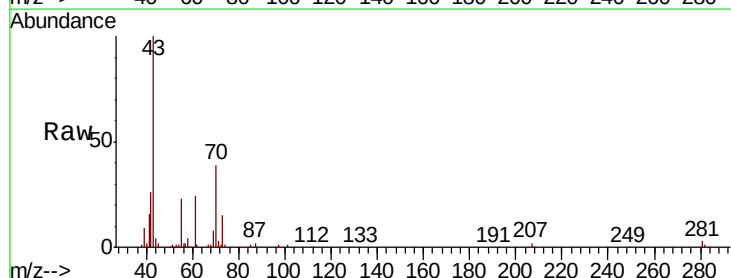
Ion Ratio Lower Upper

43 100

70 39.8 32.2 48.2

55 23.4 18.2 27.4

61 23.9 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

80000

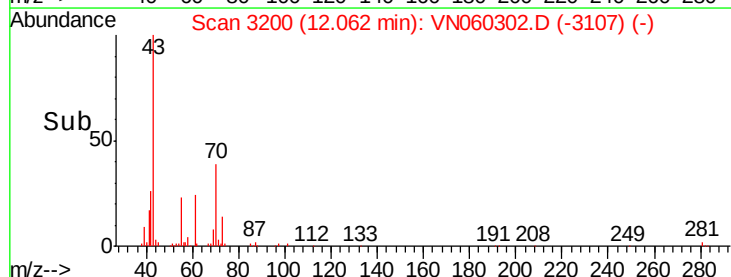
60000

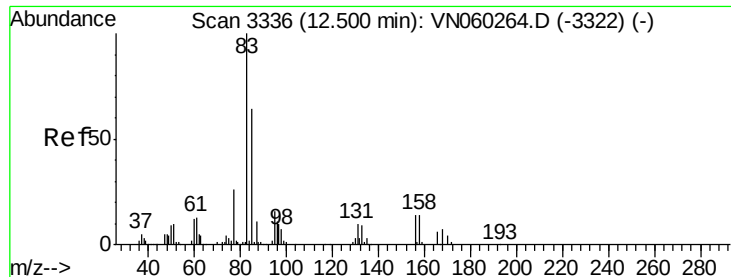
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.207 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060302.D

Acq: 2 Mar 2020 11:40

Instrument :

MSVOA_N

ClientSampleId :

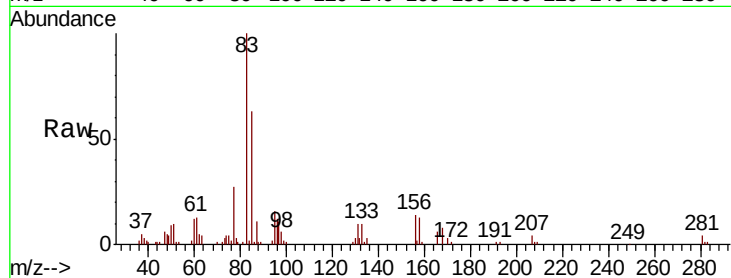
Tot Ion: 83 Resp: 57950

Ion Ratio Lower Upper

83 100

131 10.1 5.1 15.3

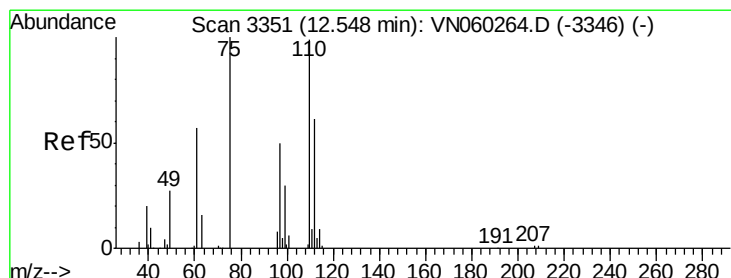
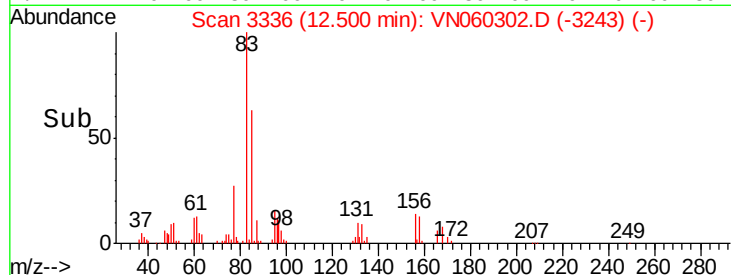
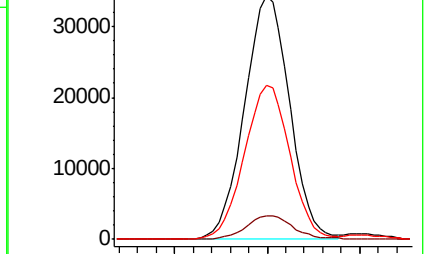
85 63.8 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN060302.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN060302.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN060302.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 25.497 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN060302.D

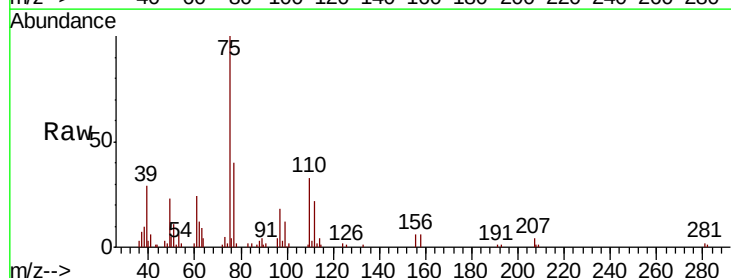
Acq: 2 Mar 2020 11:40

Tgt Ion: 75 Resp: 83773

Ion Ratio Lower Upper

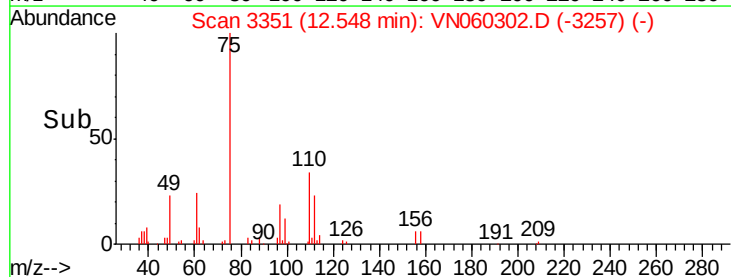
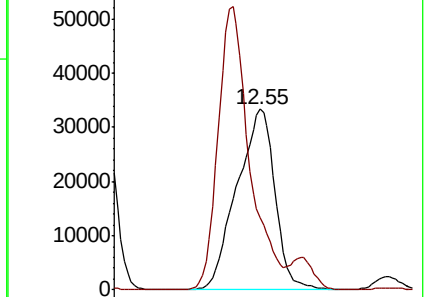
75 100

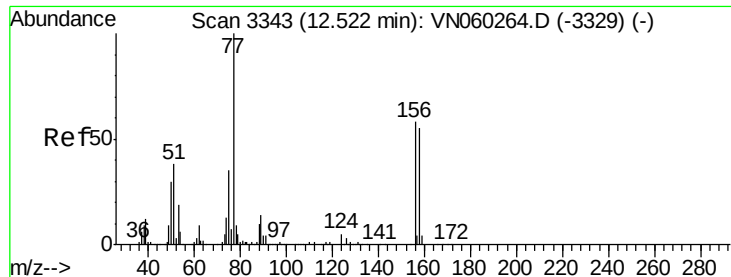
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN060302.D (-3257) (-)

Ion 77.00 (76.70 to 77.70): VN060302.D (-3257) (-)





#77

Bromobenzene

Concen: 18.511 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN060302.D

Acq: 2 Mar 2020 11:40

Instrument :

MSVOA_N

ClientSampleId :

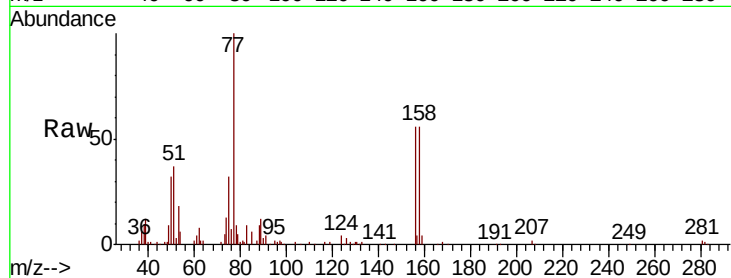
Tot Ion:156 Resp: 50364

Ion Ratio Lower Upper

156 100

77 214.3 106.1 318.3

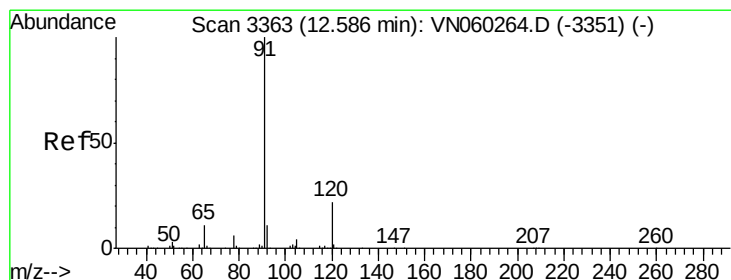
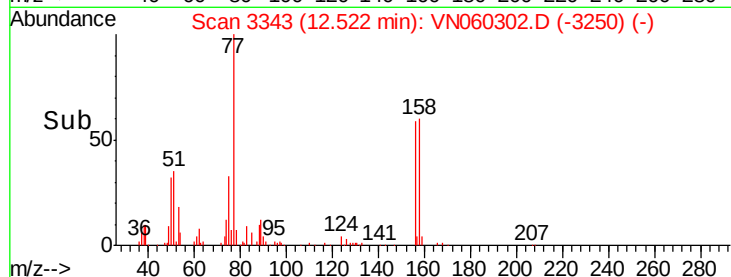
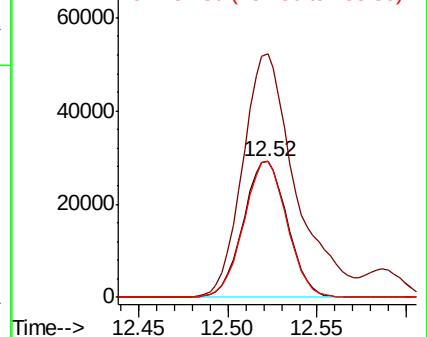
158 98.3 48.3 144.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.594 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060302.D

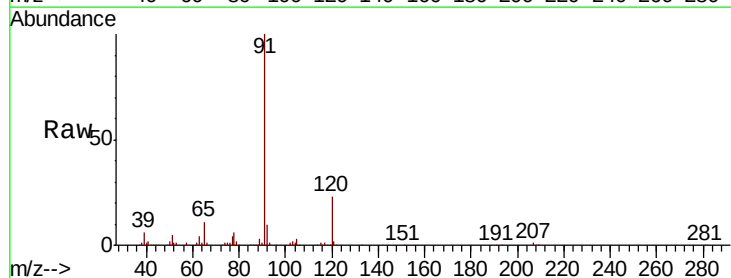
Acq: 2 Mar 2020 11:40

Tgt Ion: 91 Resp: 241911

Ion Ratio Lower Upper

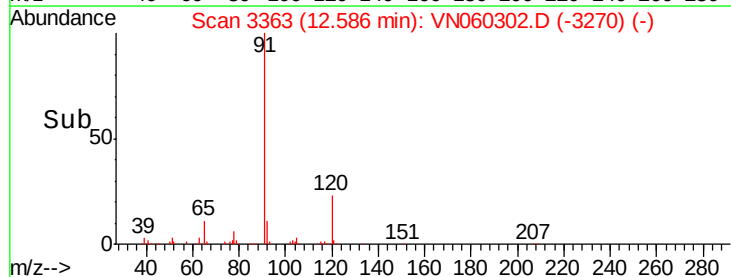
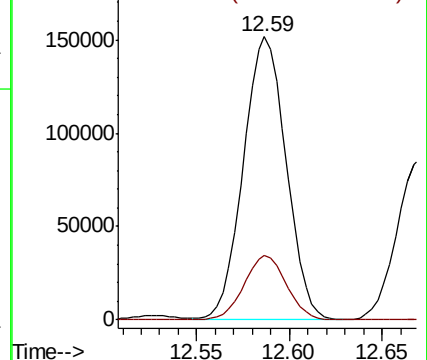
91 100

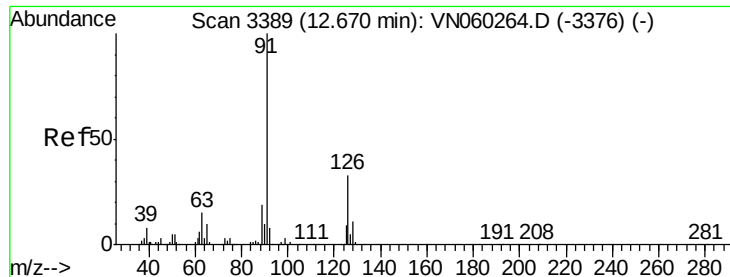
120 22.5 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

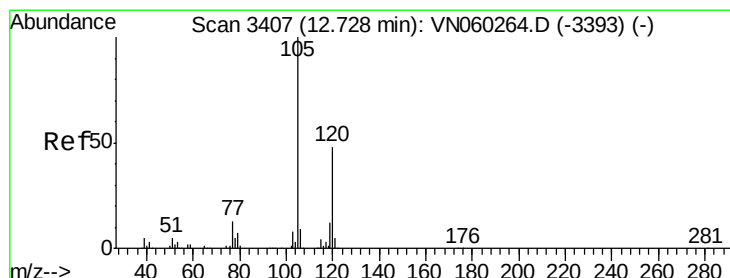
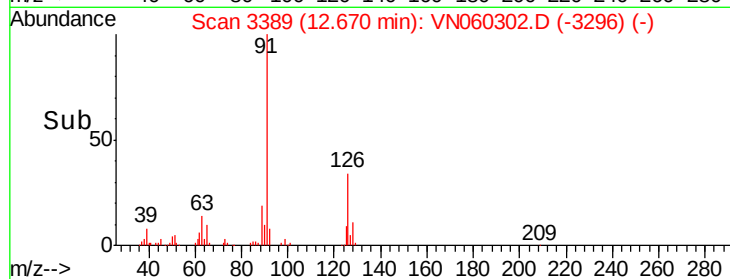
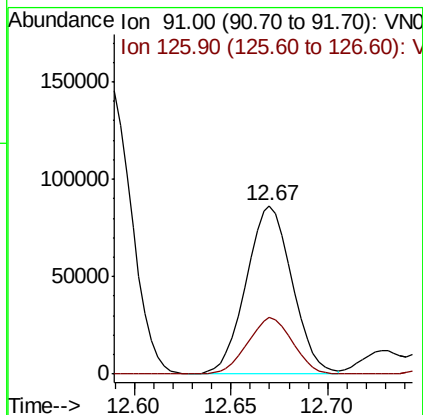
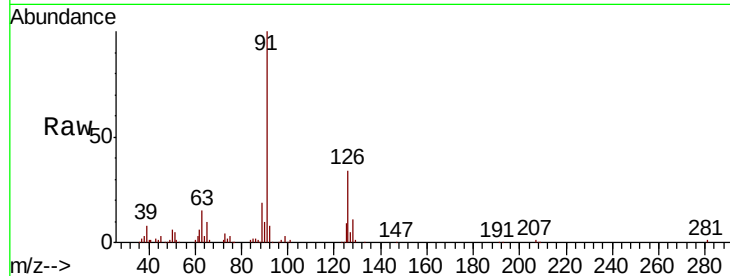




#79
 2-Chlorotoluene
 Concen: 18.605 ug/l
 RT: 12.67 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VN060302.D
 Acq: 2 Mar 2020 11:40

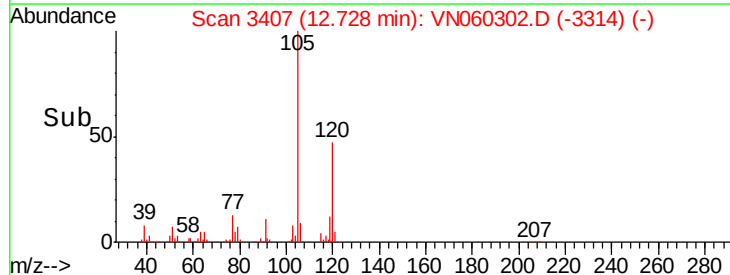
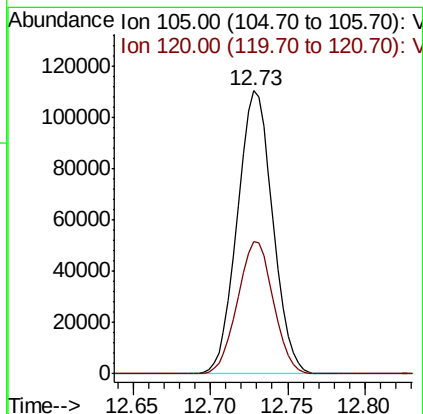
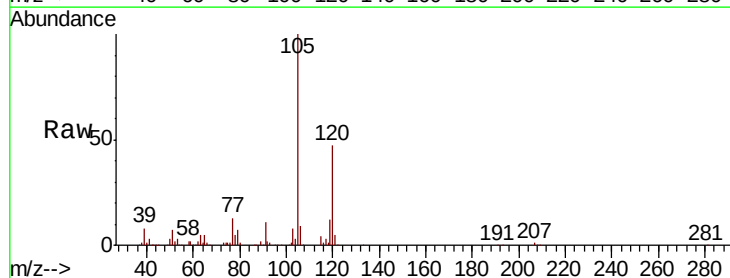
Instrument :
 MSVOA_N
 ClientSampled :

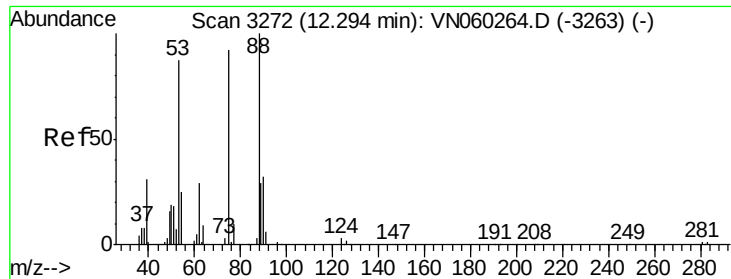
Tot Ion: 91 Resp: 142290
 Ion Ratio Lower Upper
 91 100
 126 33.2 16.6 49.8



#80
 1,3,5-Trimethylbenzene
 Concen: 18.801 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. 0.00 min
 Lab File: VN060302.D
 Acq: 2 Mar 2020 11:40

Tgt Ion: 105 Resp: 175701
 Ion Ratio Lower Upper
 105 100
 120 47.3 24.1 72.4

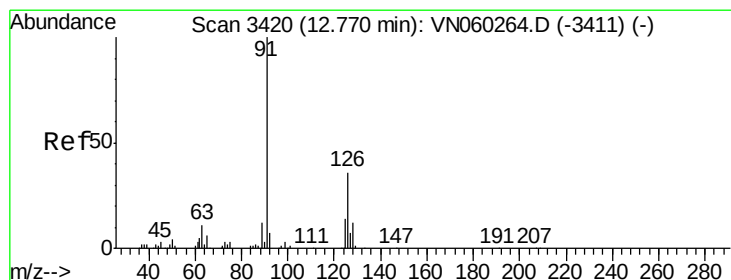
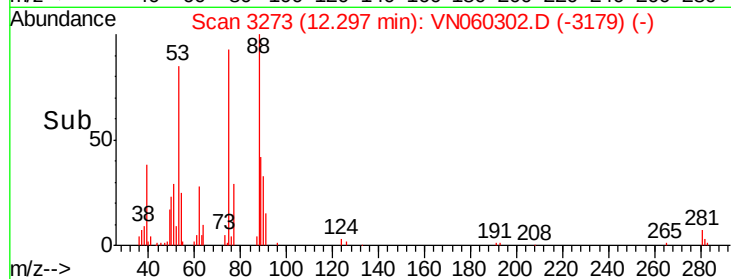
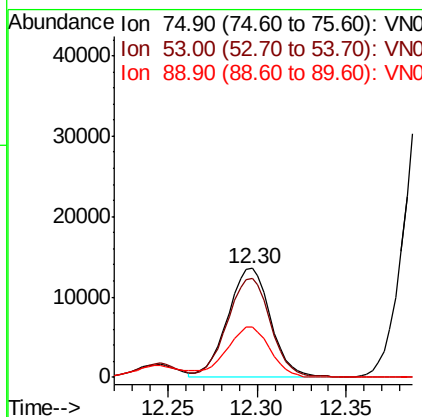
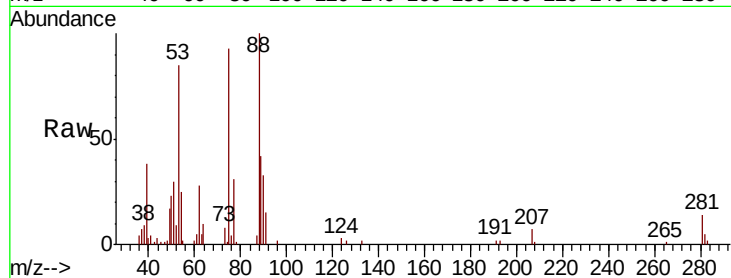




#81
trans-1,4-Dichloro-2-butene
Concen: 19.165 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. 0.00 min
Lab File: VN060302.D
Acq: 2 Mar 2020 11:40

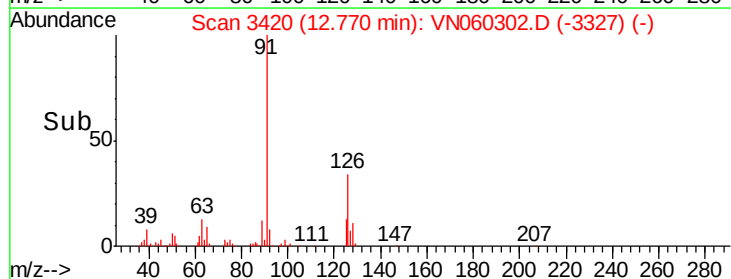
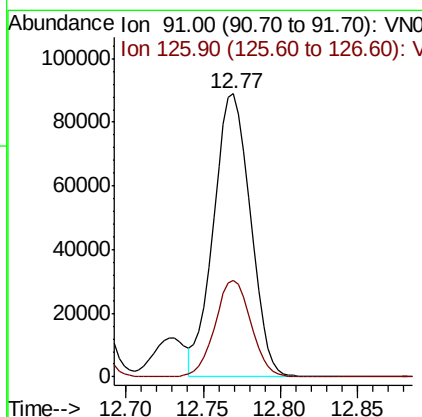
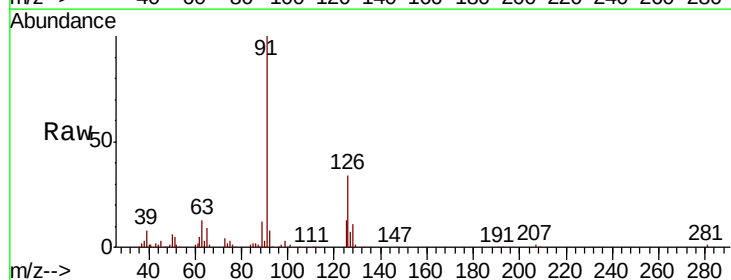
Instrument :
MSVOA_N
ClientSampleId :

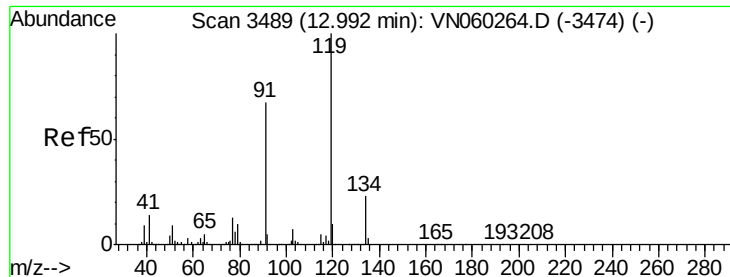
Tot Ion: 75 Resp: 22811
Ion Ratio Lower Upper
75 100
53 91.3 73.8 110.6
89 45.9 57.1 85.7#



#82
4-Chlorotoluene
Concen: 18.360 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN060302.D
Acq: 2 Mar 2020 11:40

Tgt Ion: 91 Resp: 147934
Ion Ratio Lower Upper
91 100
126 33.1 16.7 50.1

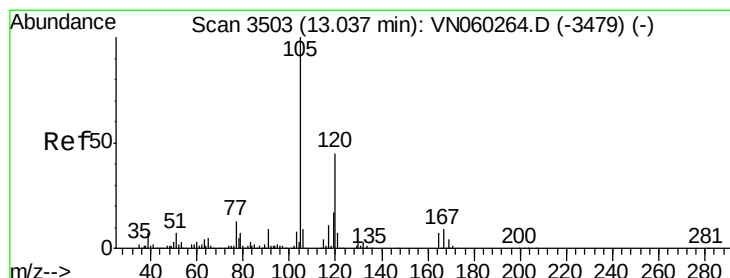
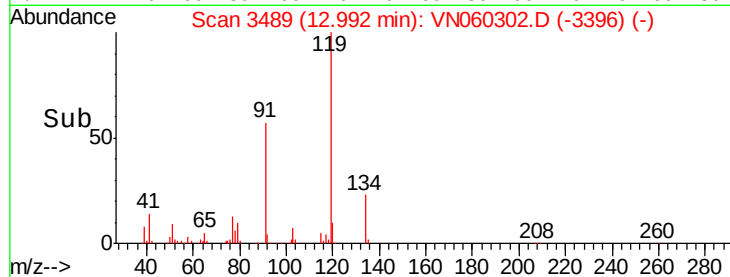
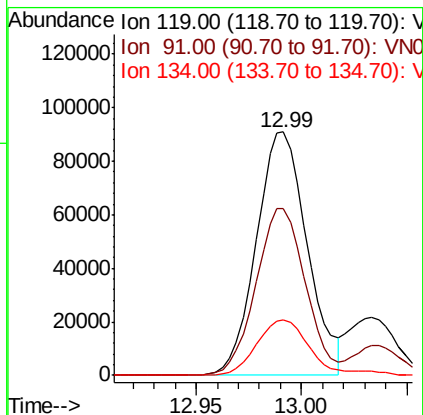
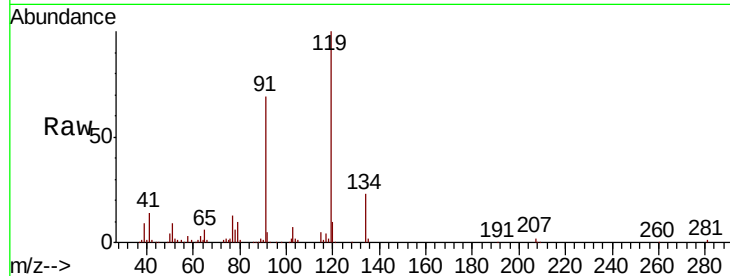




#83
 tert-Butylbenzene
 Concen: 18.864 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN060302.D
 Acq: 2 Mar 2020 11:40

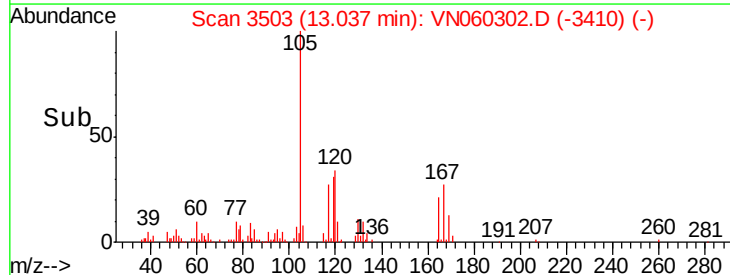
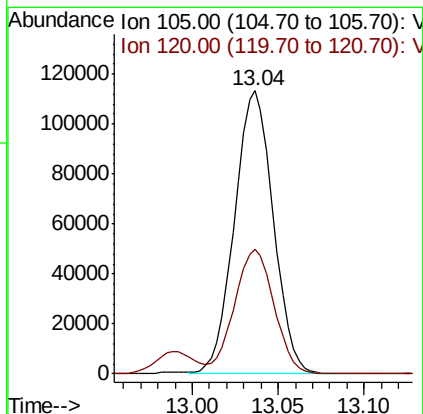
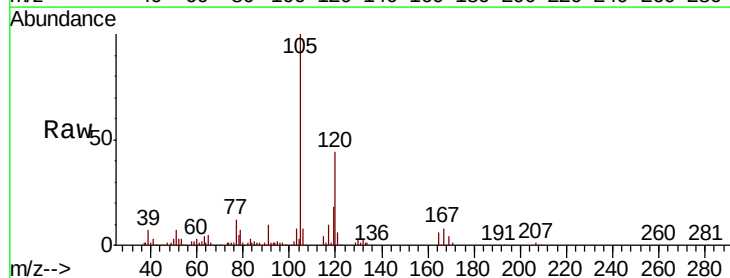
Instrument :
 MSVOA_N
 ClientSampled :

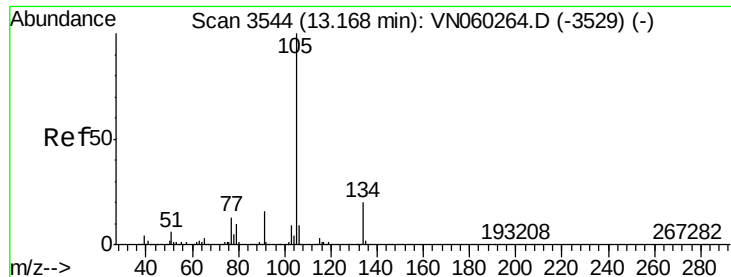
Tot Ion:119 Resp: 152626
 Ion Ratio Lower Upper
 119 100
 91 66.7 33.1 99.2
 134 24.2 12.4 37.0



#84
 1,2,4-Trimethylbenzene
 Concen: 18.814 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN060302.D
 Acq: 2 Mar 2020 11:40

Tgt Ion:105 Resp: 177465
 Ion Ratio Lower Upper
 105 100
 120 44.8 22.3 66.9





#85

sec-Butylbenzene

Concen: 18.672 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN060302.D

Acq: 2 Mar 2020 11:40

Instrument :

MSVOA_N

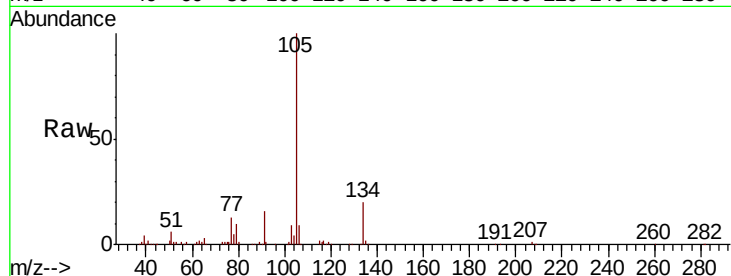
ClientSampled :

Tot Ion:105 Resp: 202310

Ion Ratio Lower Upper

105 100

134 19.7 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

150000

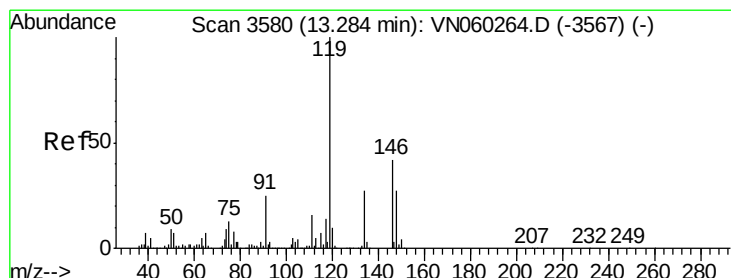
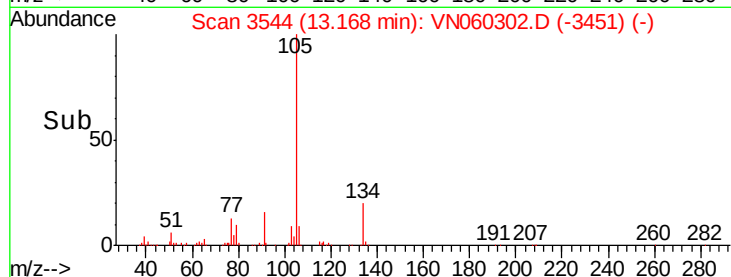
100000

50000

0

13.10 13.15 13.20

Time-->



#86

p-Isopropyltoluene

Concen: 18.389 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN060302.D

Acq: 2 Mar 2020 11:40

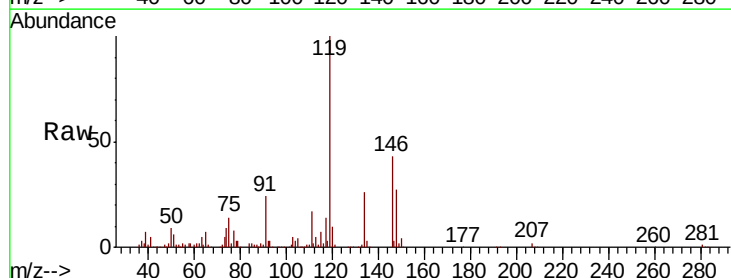
Tgt Ion:119 Resp: 184405

Ion Ratio Lower Upper

119 100

134 26.1 13.2 39.6

91 24.5 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

150000

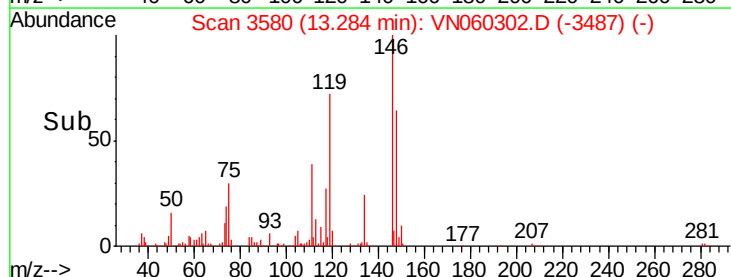
100000

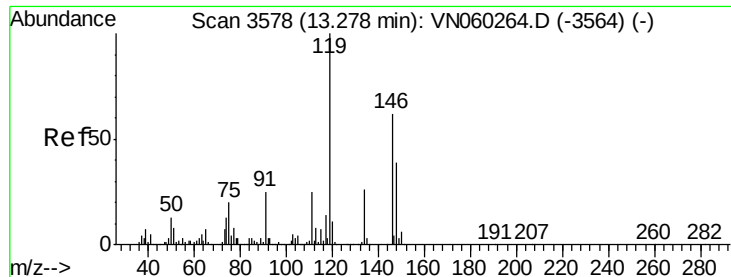
50000

0

13.25 13.30 13.35

Time-->

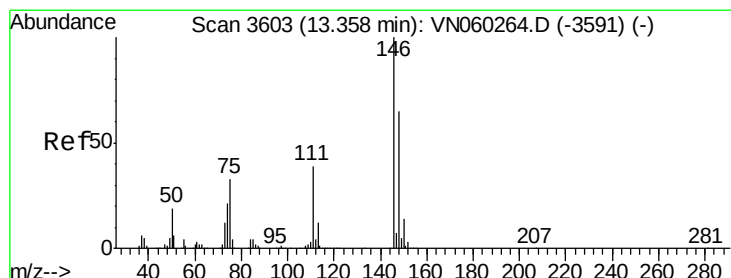
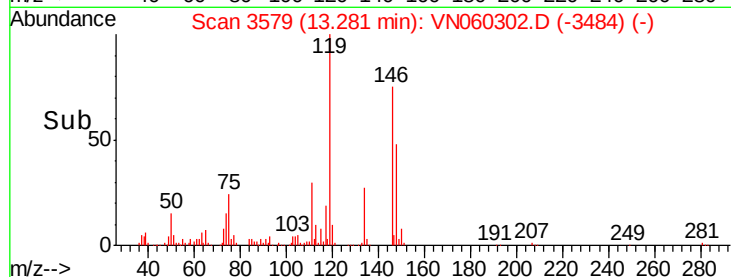
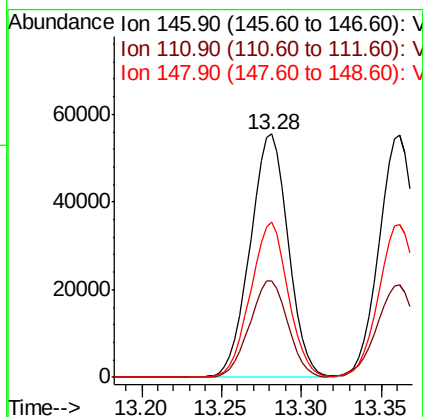
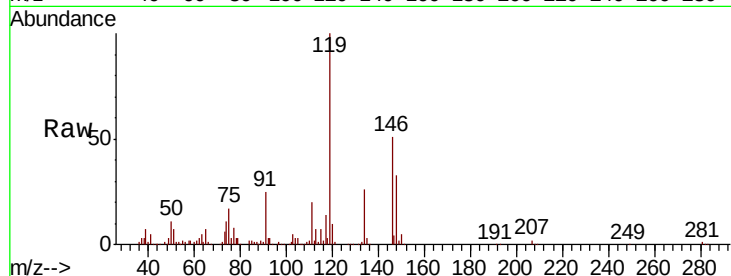




#87
 1,3-Dichlorobenzene
 Concen: 19.379 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN060302.D
 Acq: 2 Mar 2020 11:40

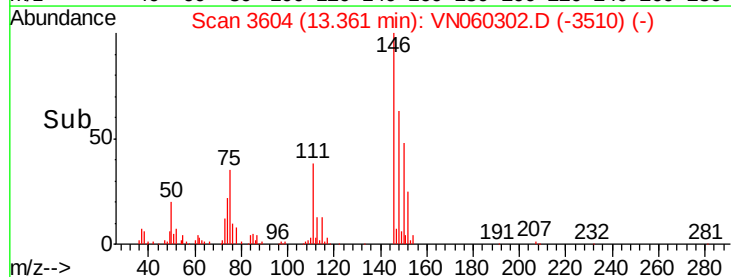
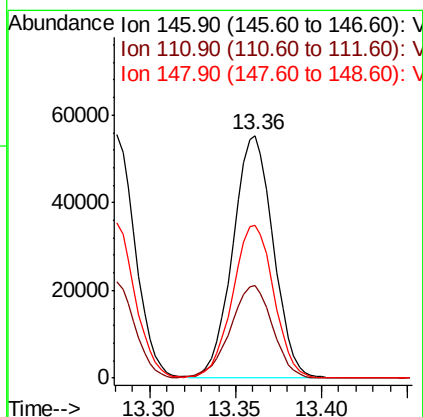
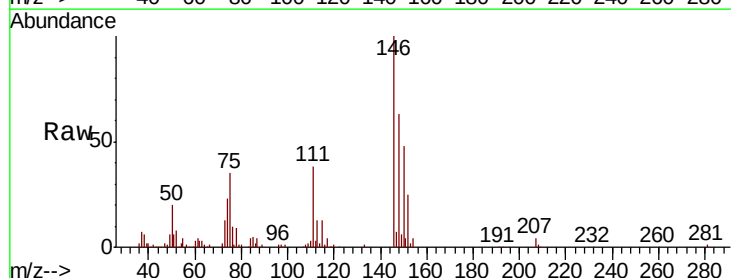
Instrument :
 MSVOA_N
 ClientSampled :

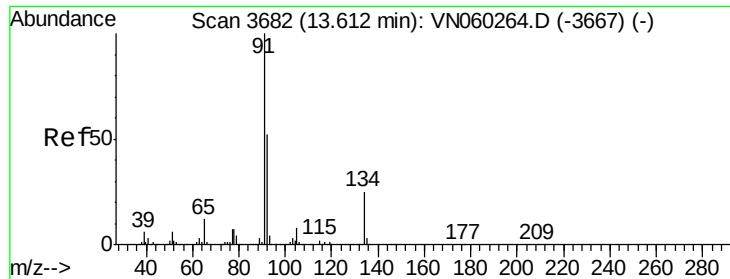
Tot Ion:146 Resp: 91143
 Ion Ratio Lower Upper
 146 100
 111 39.8 20.0 59.9
 148 63.0 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 19.273 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN060302.D
 Acq: 2 Mar 2020 11:40

Tgt Ion:146 Resp: 90574
 Ion Ratio Lower Upper
 146 100
 111 40.0 19.8 59.4
 148 64.4 32.3 96.9





#89

n-Butylbenzene

Concen: 18.246 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN060302.D

Acq: 2 Mar 2020 11:40

Instrument :

MSVOA_N

ClientSampled :

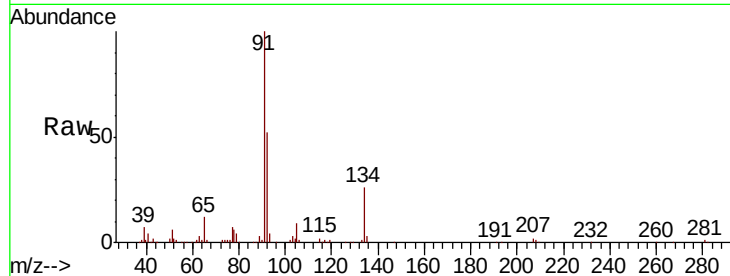
Tot Ion: 91 Resp: 167967

Ion Ratio Lower Upper

91 100

92 52.0 26.0 78.0

134 25.1 12.7 38.1



Abundance Ion 91.00 (90.70 to 91.70): VN060302.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN060302.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN060302.D (-3667) (-)

13.61

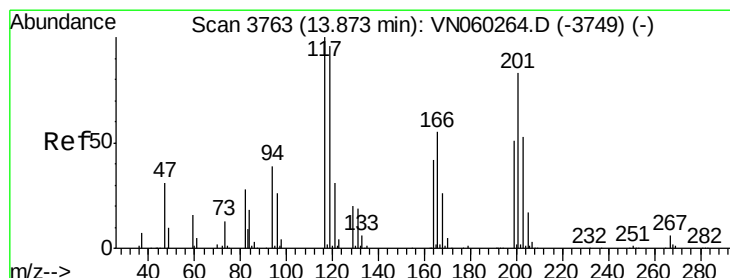
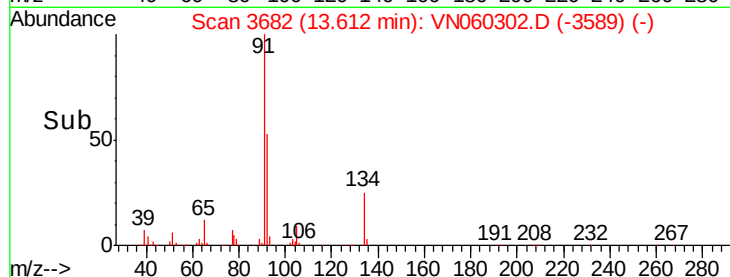
100000

50000

0

13.55 13.60 13.65 13.70

Time-->



#90

Hexachloroethane

Concen: 17.549 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN060302.D

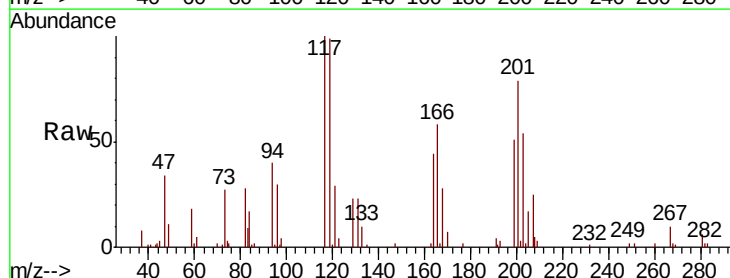
Acq: 2 Mar 2020 11:40

Tgt Ion: 117 Resp: 25473

Ion Ratio Lower Upper

117 100

201 80.0 41.0 123.0



Abundance Ion 116.80 (116.50 to 117.50): VN060302.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN060302.D (-3749) (-)

13.87

15000

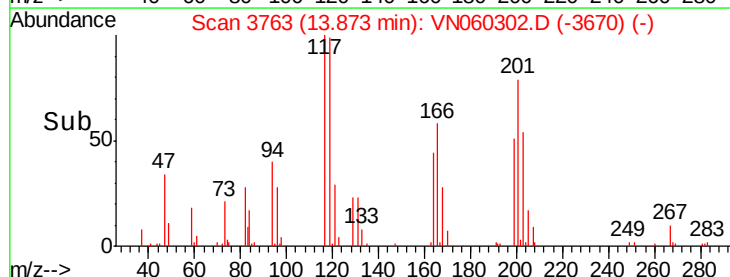
10000

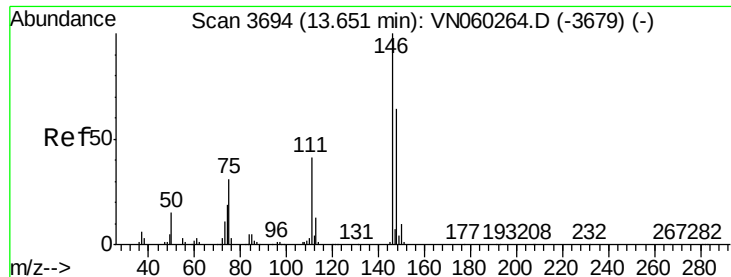
5000

0

13.80 13.85 13.90

Time-->

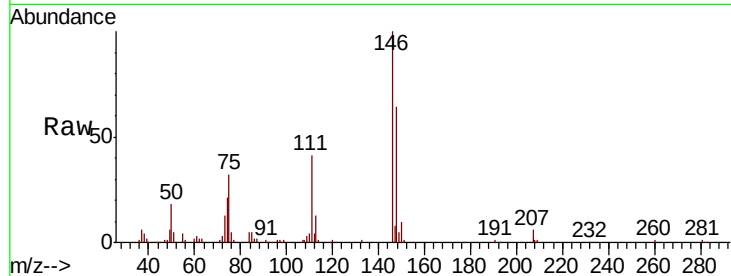




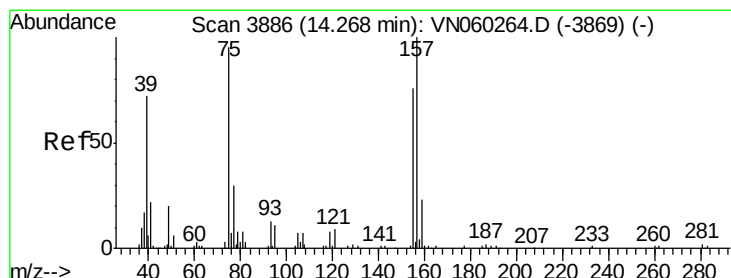
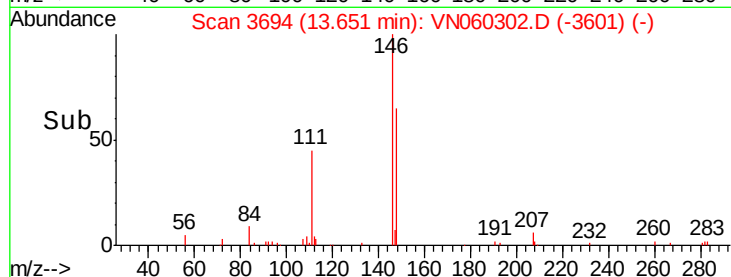
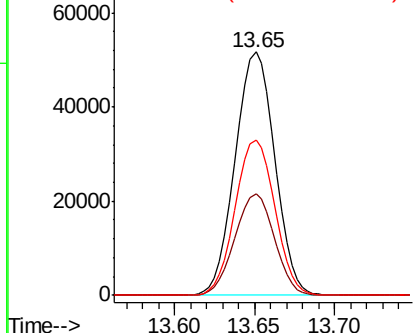
#91
 1,2-Dichlorobenzene
 Concen: 18.368 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN060302.D
 Acq: 2 Mar 2020 11:40

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.3	61.0
148	63.7	31.8	95.3

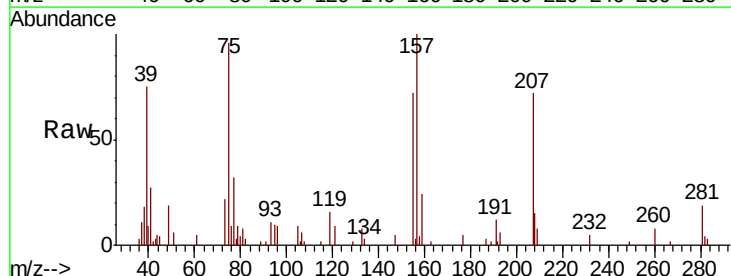


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

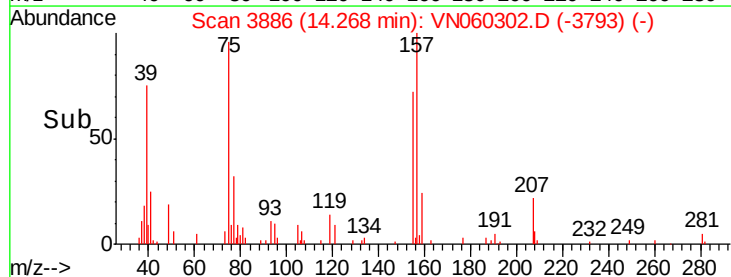
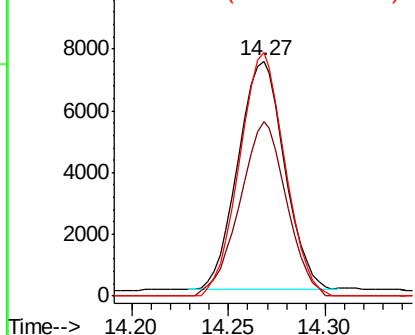


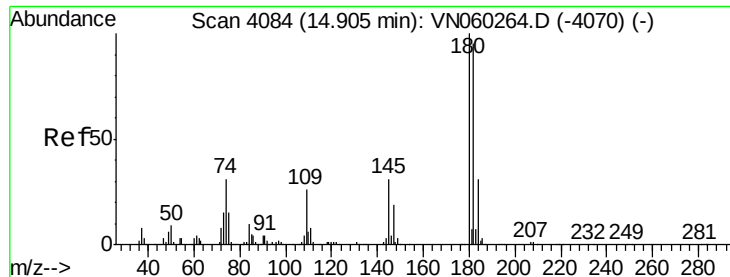
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.033 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN060302.D
 Acq: 2 Mar 2020 11:40

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.8	40.4	121.2
157	104.4	52.5	157.5



Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

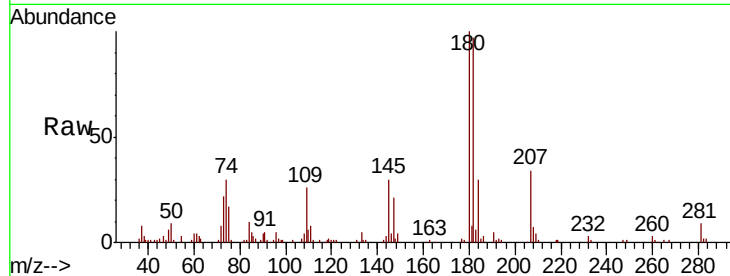




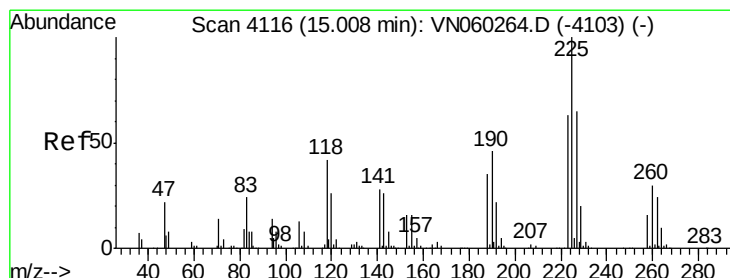
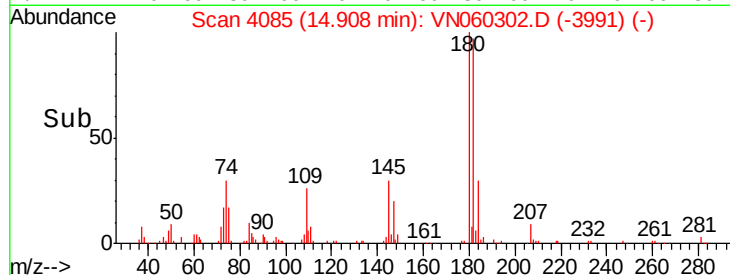
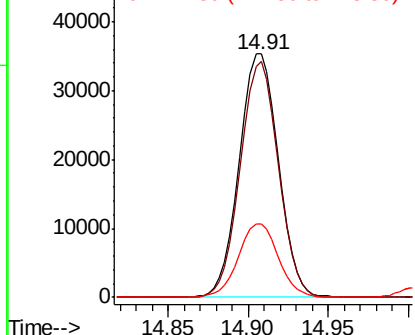
#93
 1,2,4-Trichlorobenzene
 Concen: 19.544 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060302.D
 Acq: 2 Mar 2020 11:40

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.9	47.8	143.3
145	30.6	15.4	46.1

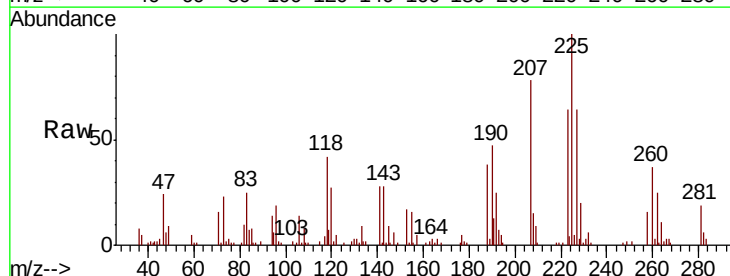


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

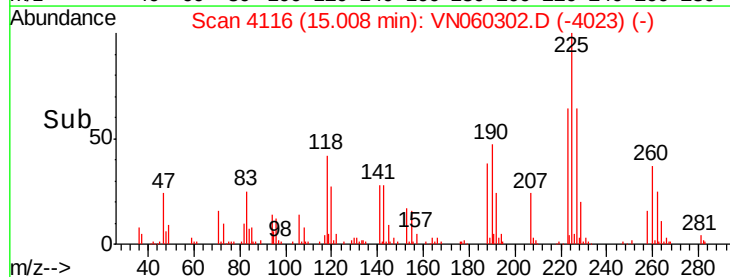
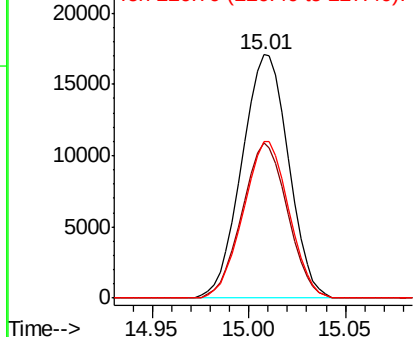


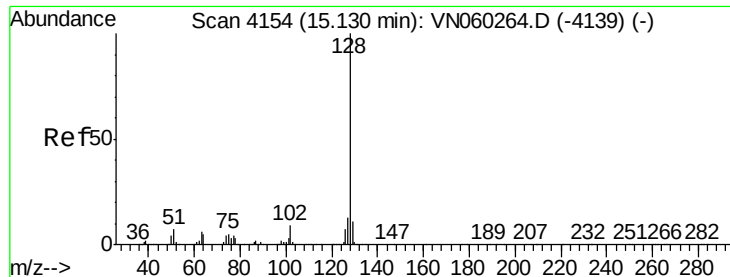
#94
 Hexachlorobutadiene
 Concen: 20.253 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060302.D
 Acq: 2 Mar 2020 11:40

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.0	31.3	93.9
227	63.0	32.3	96.9



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 18.709 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN060302.D

Acq: 2 Mar 2020 11:40

Instrument :

MSVOA_N

ClientSampleId :

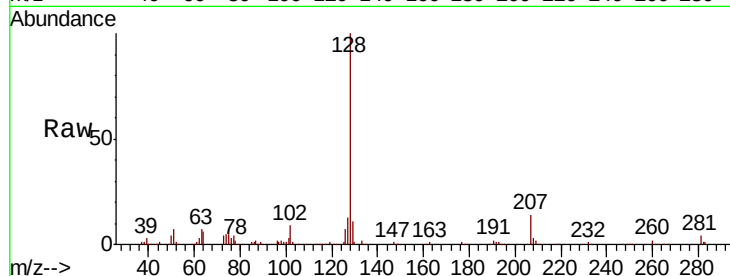
Tot Ion:128 Resp: 168450

Ion Ratio Lower Upper

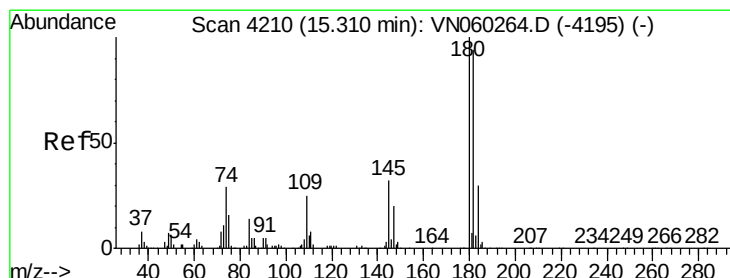
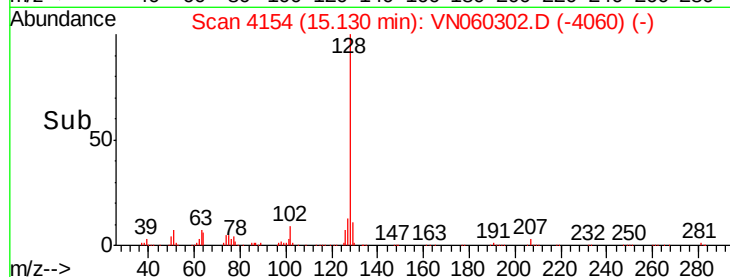
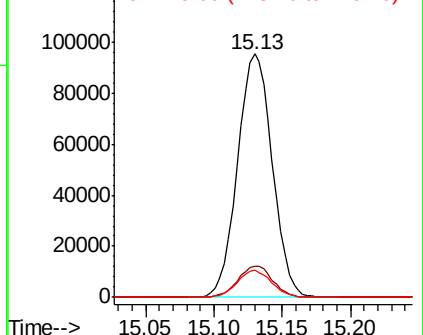
128 100

127 12.8 10.4 15.6

129 11.0 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: 19.723 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN060302.D

Acq: 2 Mar 2020 11:40

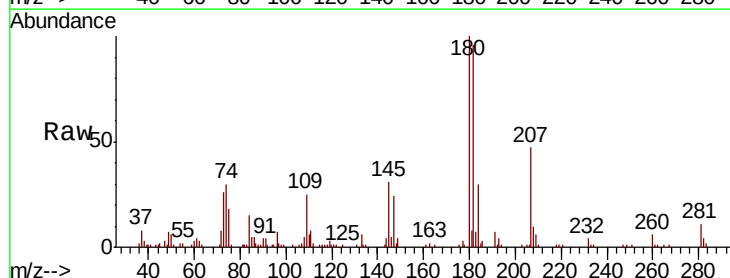
Tgt Ion:180 Resp: 56583

Ion Ratio Lower Upper

180 100

182 95.0 47.3 142.0

145 32.4 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

