

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030220\
 Data File : VN060301.D
 Acq On : 2 Mar 2020 11:02
 Operator : JC/MD
 Sample : VN0302WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 03 05:43:14 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	218338	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	353589	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	326127	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	156234	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	137951	49.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.50%	
35) Dibromofluoromethane	7.56	113	93848	57.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.36%	
50) Toluene-d8	10.08	98	399107	48.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.10%	
62) 4-Bromofluorobenzene	12.40	95	147751	46.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.84%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.83	85	36487	18.227	ug/l	98
3) Chloromethane	2.04	50	62391	17.902	ug/l	97
4) Vinyl Chloride	2.16	62	52633	17.609	ug/l	100
5) Bromomethane	2.55	94	20451	15.332	ug/l	94
6) Chloroethane	2.69	64	29159	18.005	ug/l	95
7) Trichlorofluoromethane	3.00	101	69445	18.185	ug/l	100
8) Diethyl Ether	3.38	74	27075	18.778	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	40056	18.534	ug/l	99
10) Methyl Iodide	3.93	142	36151	18.328	ug/l	99
11) Tert butyl alcohol	4.73	59	38452	92.442	ug/l	100
12) 1,1-Dichloroethene	3.72	96	40671	19.342	ug/l	99
13) Acrolein	3.58	56	35243	90.820	ug/l	100
14) Allyl chloride	4.29	41	66697	17.245	ug/l	89
15) Acrylonitrile	4.94	53	102541	93.526	ug/l	99
16) Acetone	3.78	43	81962	90.603	ug/l	99
17) Carbon Disulfide	4.03	76	104300	18.290	ug/l	98
18) Methyl Acetate	4.29	43	52647	17.439	ug/l	98
19) Methyl tert-butyl Ether	5.00	73	141828	18.623	ug/l	99
20) Methylene Chloride	4.52	84	45138	18.169	ug/l	99
21) trans-1,2-Dichloroethene	5.00	96	43673	19.115	ug/l	99
22) Diisopropyl ether	5.91	45	151176	19.297	ug/l	98
23) Vinyl Acetate	5.86	43	600813	96.512	ug/l	99
24) 1,1-Dichloroethane	5.82	63	84084	18.961	ug/l	99
25) 2-Butanone	6.80	43	136147	93.176	ug/l	99
26) 2,2-Dichloropropane	6.80	77	75728	18.758	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	50551	17.548	ug/l	99
28) Bromochloromethane	7.17	49	33659	18.486	ug/l	100
29) Tetrahydrofuran	7.18	42	94221	92.730	ug/l	99
30) Chloroform	7.35	83	83321	18.874	ug/l	98
31) Cyclohexane	7.63	56	76936	19.513	ug/l	98
32) 1,1,1-Trichloroethane	7.54	97	73837	18.878	ug/l	99
36) 1,1-Dichloropropene	7.77	75	61708	18.312	ug/l	99
37) Ethyl Acetate	6.89	43	60143	18.849	ug/l	100
38) Carbon Tetrachloride	7.75	117	61034	18.602	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	73741	18.559	ug/l	97
40) Benzene	8.02	78	183684	18.728	ug/l	100
41) Methacrylonitrile	7.18	41	87107	59.122	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	67394	19.041	ug/l	99
43) Isopropyl Acetate	8.14	43	106231	19.017	ug/l	99
44) Trichloroethene	8.82	130	50511	18.491	ug/l	98
45) 1,2-Dichloropropane	9.10	63	50075	19.527	ug/l	98
46) Dibromomethane	9.19	93	31178	18.737	ug/l	98
47) Bromodichloromethane	9.38	83	64272	18.992	ug/l	100
48) Methyl methacrylate	9.18	41	46123	18.106	ug/l	97
49) 1,4-Dioxane	9.18	88	13704	382.551	ug/l	96
51) 4-Methyl-2-Pentanone	9.97	43	295744	93.376	ug/l	100
52) Toluene	10.14	92	114743	18.624	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	75546	18.218	ug/l	96
54) cis-1,3-Dichloropropene	9.82	75	81849	19.048	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	45250	18.263	ug/l	98
56) Ethyl methacrylate	10.42	69	66518	18.687	ug/l	97
57) 1,3-Dichloropropane	10.70	76	78070	19.321	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	174304	93.628	ug/l	99
59) 2-Hexanone	10.74	43	215174	92.530	ug/l	99
60) Dibromochloromethane	10.89	129	47700	18.931	ug/l	99
61) 1,2-Dibromoethane	10.99	107	45406	18.799	ug/l	96
64) Tetrachloroethene	10.62	164	53880	20.139	ug/l	99
65) Chlorobenzene	11.43	112	119436	18.137	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	46140	18.949	ug/l	98
67) Ethyl Benzene	11.50	91	224047	18.682	ug/l	99
68) m/p-Xylenes	11.61	106	165945	36.676	ug/l	99
69) o-Xylene	11.94	106	79747	18.483	ug/l	99
70) Styrene	11.96	104	128336	18.091	ug/l	99
71) Bromoform	12.12	173	32571	18.561	ug/l #	99
73) Isopropylbenzene	12.24	105	217252	18.761	ug/l	100
74) N-amyl acetate	12.06	43	92722	18.324	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	58958	18.730	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	85080	24.821	ug/l #	100
77) Bromobenzene	12.52	156	51716	18.219	ug/l	98
78) n-propylbenzene	12.59	91	252205	18.580	ug/l	99
79) 2-Chlorotoluene	12.67	91	147403	18.474	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	184256	18.899	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	22760	18.329	ug/l #	88
82) 4-Chlorotoluene	12.77	91	152300	18.117	ug/l	99
83) tert-Butylbenzene	12.99	119	155003	18.362	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	183507	18.647	ug/l	99
85) sec-Butylbenzene	13.17	105	210468	18.619	ug/l	100
86) p-Isopropyltoluene	13.28	119	190362	18.195	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	93175	18.985	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	92778	18.916	ug/l	99
89) n-Butylbenzene	13.61	91	173854	18.102	ug/l	99
90) Hexachloroethane	13.87	117	26558	17.537	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	88317	17.756	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	12749	17.885	ug/l	96

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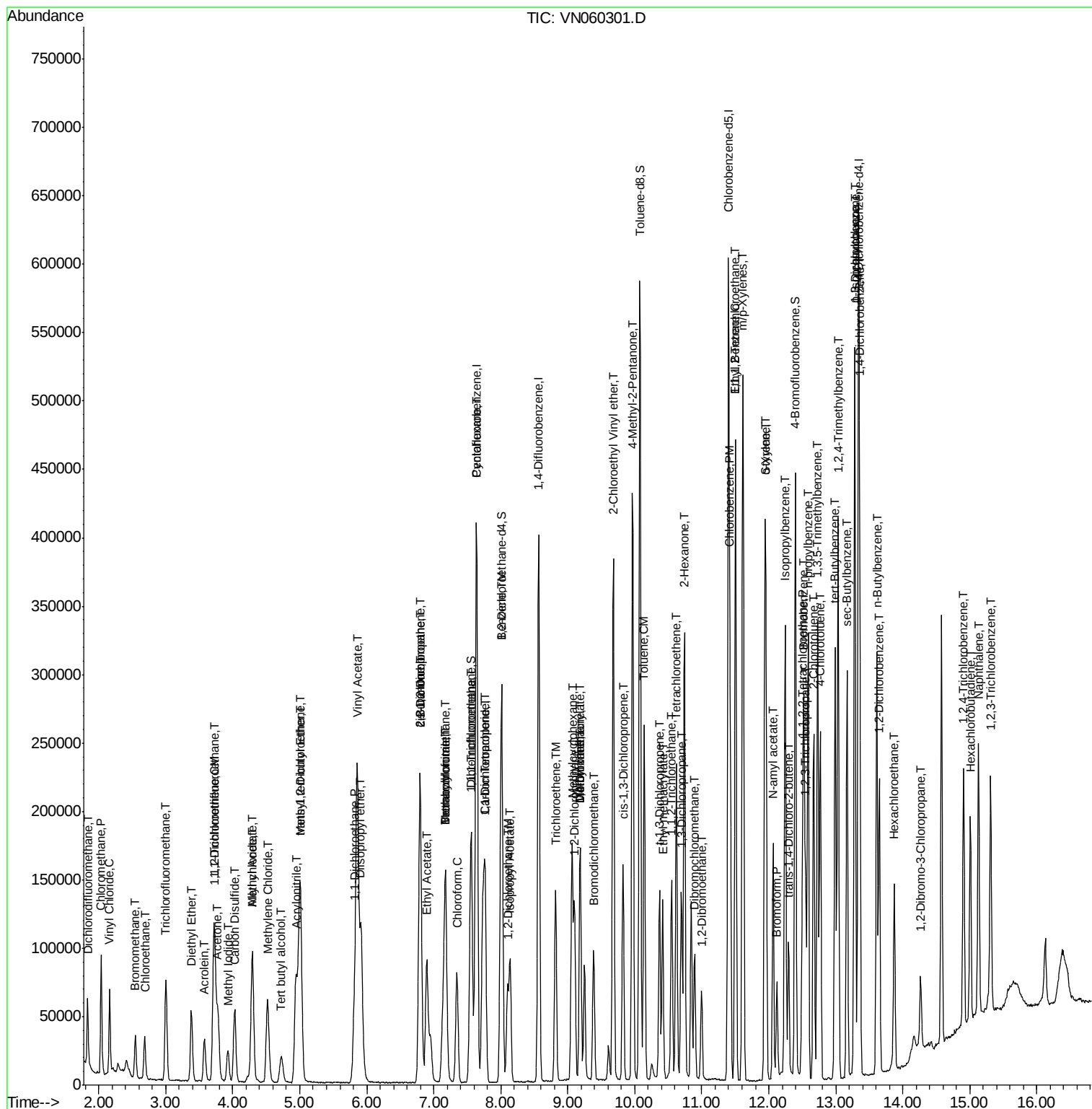
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	59438	18.862	ug/l	99
94) Hexachlorobutadiene	15.01	225	29305	19.826	ug/l	99
95) Naphthalene	15.13	128	165899	17.646	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	56647	18.919	ug/l	99

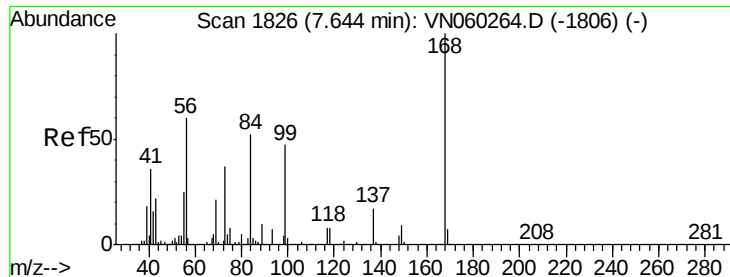
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060301.D

Acq: 2 Mar 2020 11:02

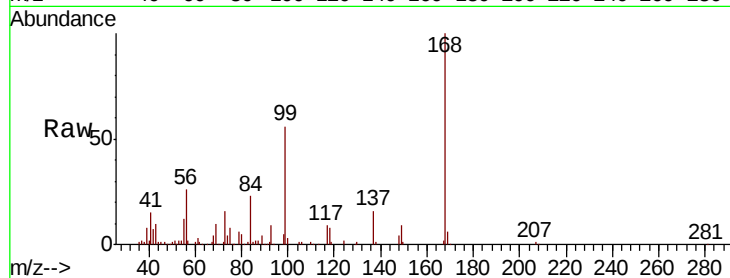
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 218338

Ion Ratio Lower Upper

168 100

99 55.9 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

100000

80000

60000

40000

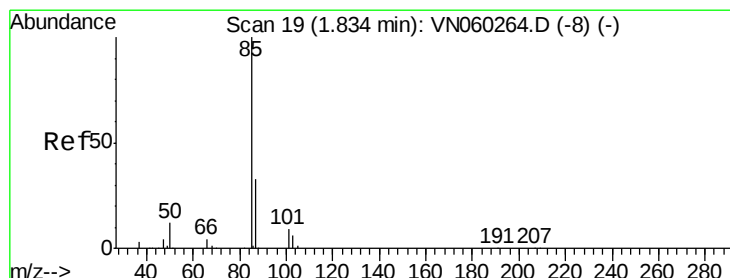
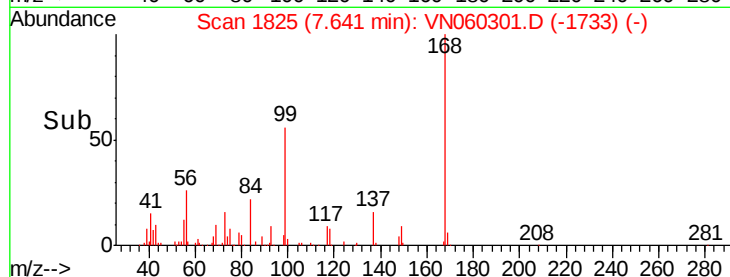
20000

0

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 18.227 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060301.D

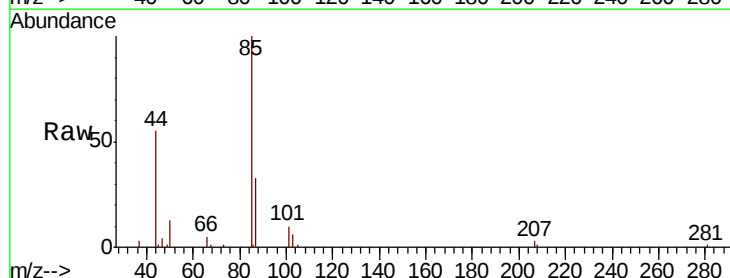
Acq: 2 Mar 2020 11:02

Tgt Ion: 85 Resp: 36487

Ion Ratio Lower Upper

85 100

87 33.5 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

30000

25000

20000

15000

10000

5000

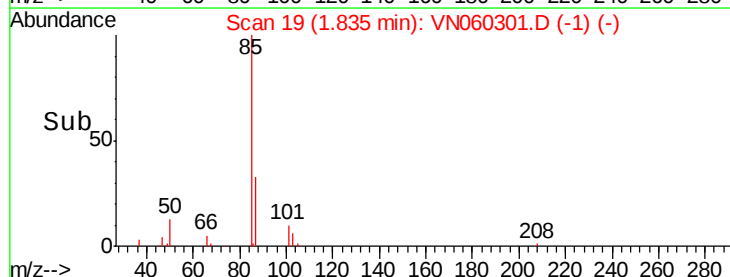
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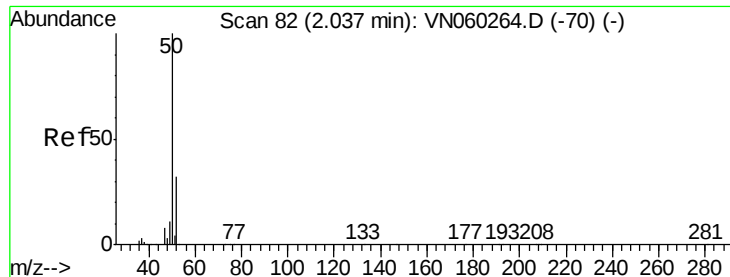
1.80

1.85

1.90

Time-->

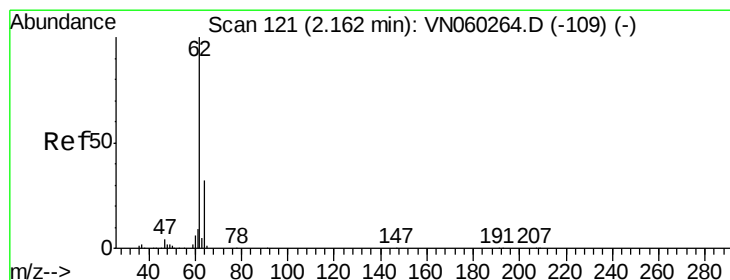
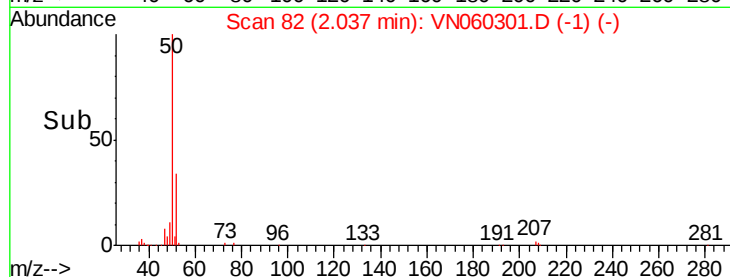
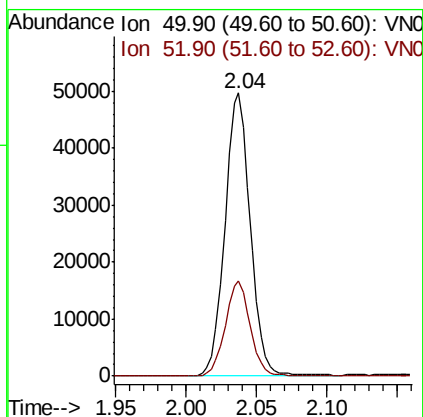
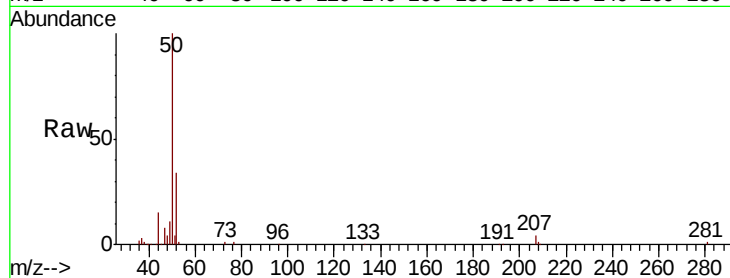




#3
Chloromethane
Concen: 17.902 ug/l
RT: 2.04 min Scan# 82
Delta R.T. 0.00 min
Lab File: VN060301.D
Acq: 2 Mar 2020 11:02

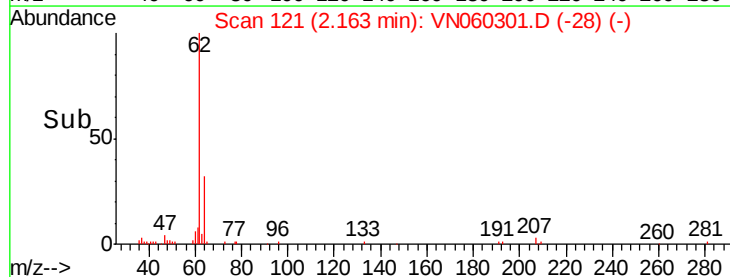
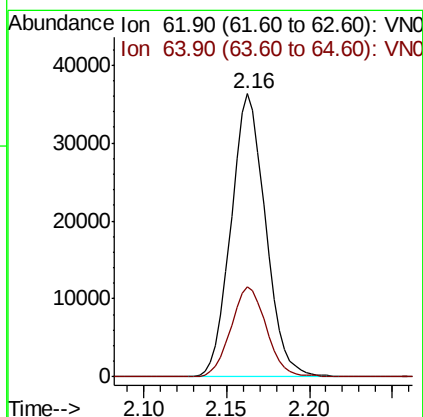
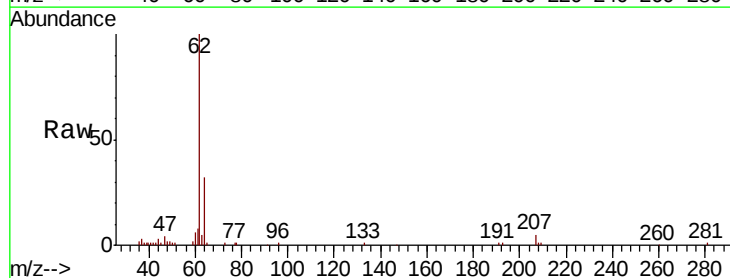
Instrument :
MSVOA_N
ClientSampled :

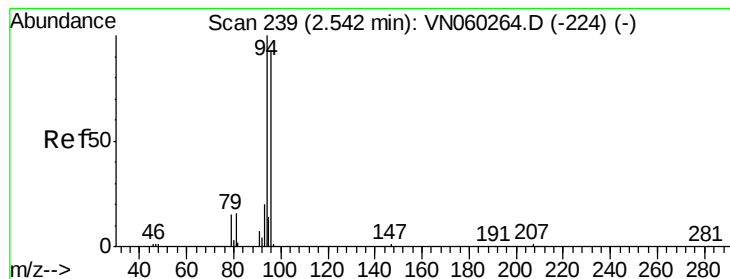
Tot Ion: 50 Resp: 62391
Ion Ratio Lower Upper
50 100
52 33.6 25.6 38.4



#4
Vinyl Chloride
Concen: 17.609 ug/l
RT: 2.16 min Scan# 121
Delta R.T. 0.00 min
Lab File: VN060301.D
Acq: 2 Mar 2020 11:02

Tgt Ion: 62 Resp: 52633
Ion Ratio Lower Upper
62 100
64 31.6 25.5 38.3





#5

Bromomethane

Concen: 15.332 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VN060301.D

Acq: 2 Mar 2020 11:02

Instrument :

MSVOA_N

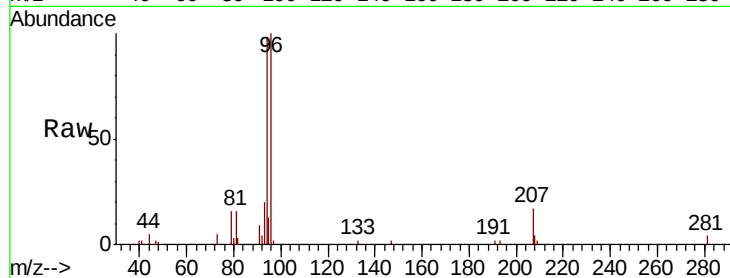
ClientSampled :

Tot Ion: 94 Resp: 20451

Ion Ratio Lower Upper

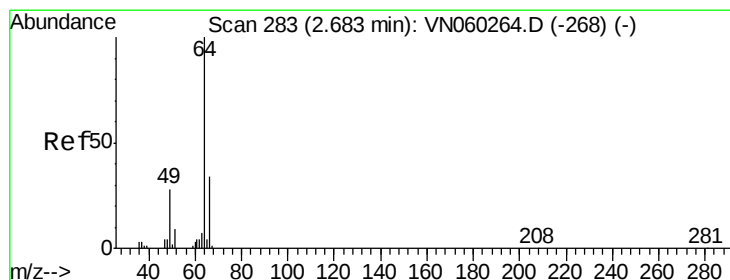
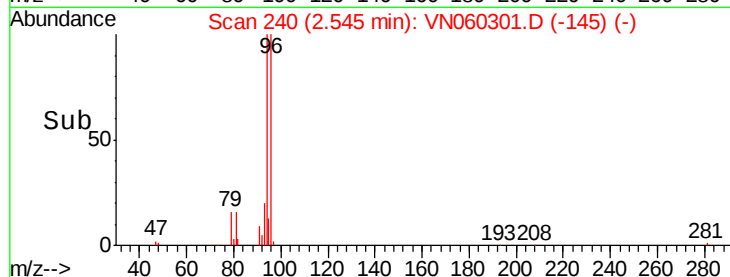
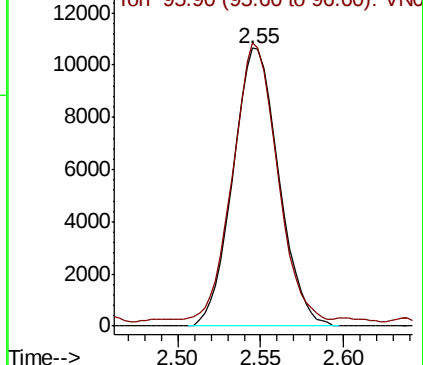
94 100

96 99.1 74.3 111.5



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.005 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN060301.D

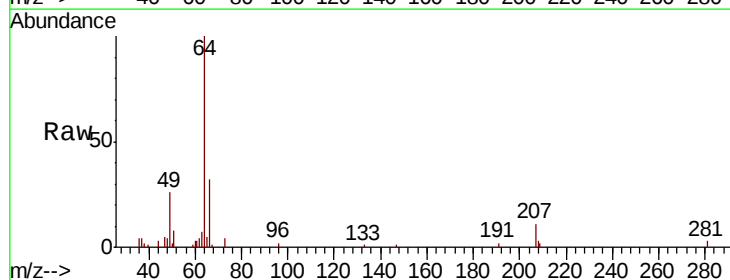
Acq: 2 Mar 2020 11:02

Tgt Ion: 64 Resp: 29159

Ion Ratio Lower Upper

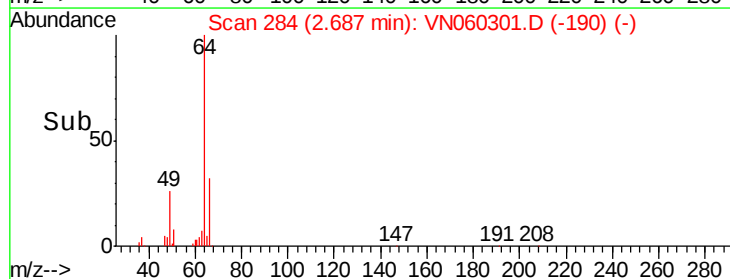
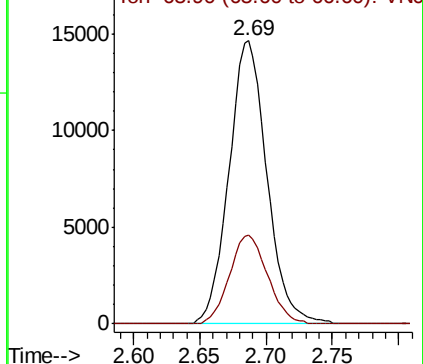
64 100

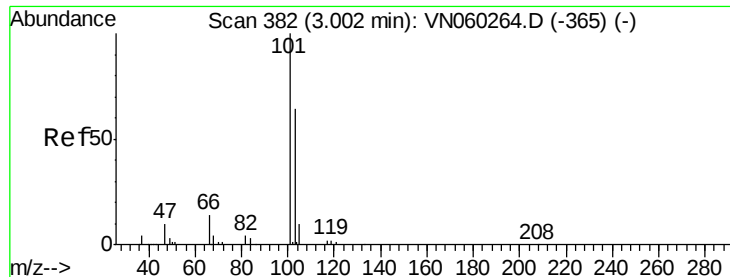
66 31.5 27.4 41.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



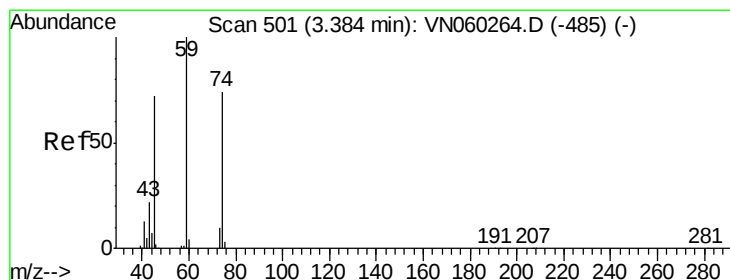
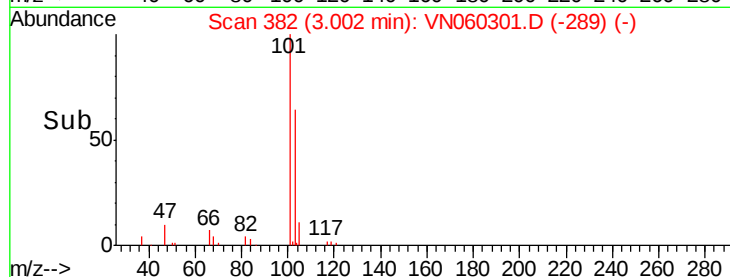
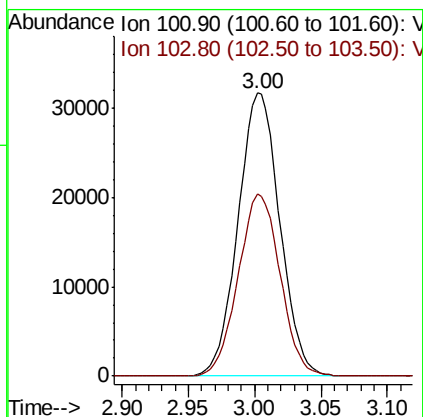
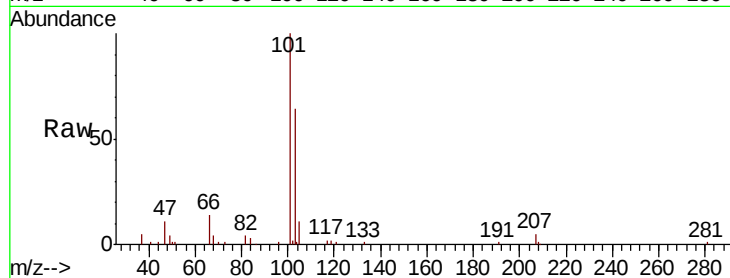


#7

Trichlorofluoromethane
 Concen: 18.185 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VN060301.D
 Acq: 2 Mar 2020 11:02

Instrument :
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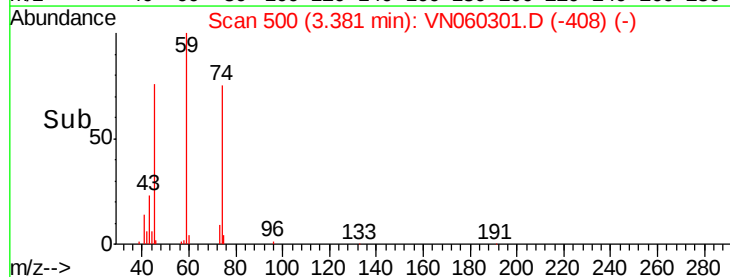
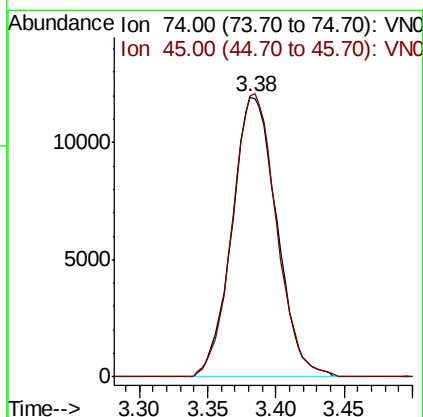
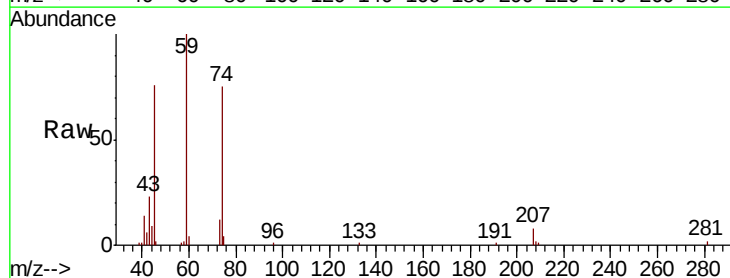
Tot Ion:101 Resp: 69445
 Ion Ratio Lower Upper
 101 100
 103 64.3 51.3 76.9

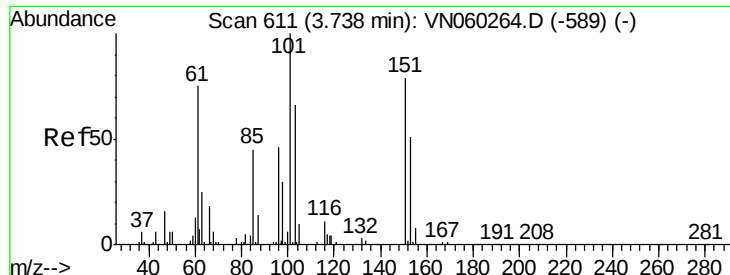


#8

Diethyl Ether
 Concen: 18.778 ug/l
 RT: 3.38 min Scan# 500
 Delta R.T. -0.00 min
 Lab File: VN060301.D
 Acq: 2 Mar 2020 11:02

Tgt Ion: 74 Resp: 27075
 Ion Ratio Lower Upper
 74 100
 45 100.2 49.5 148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.534 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN060301.D

Acq: 2 Mar 2020 11:02

Instrument :

MSVOA_N

ClientSampleId :

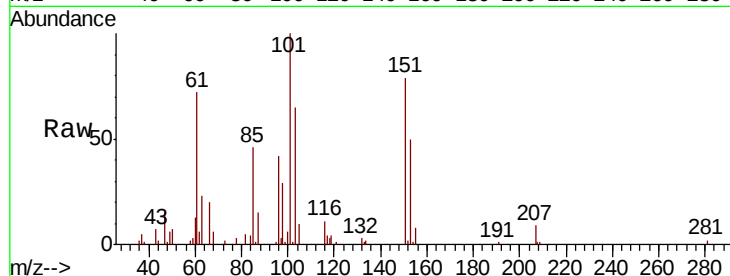
Tot Ion:101 Resp: 40056

Ion Ratio Lower Upper

101 100

85 45.4 35.4 53.2

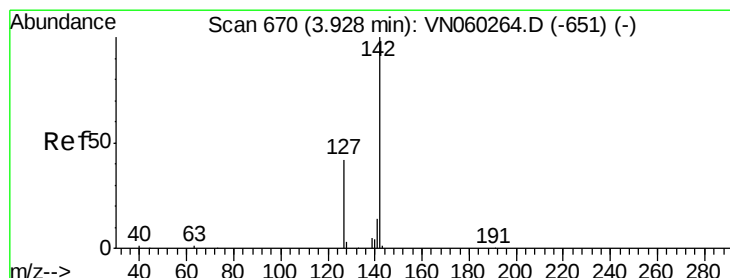
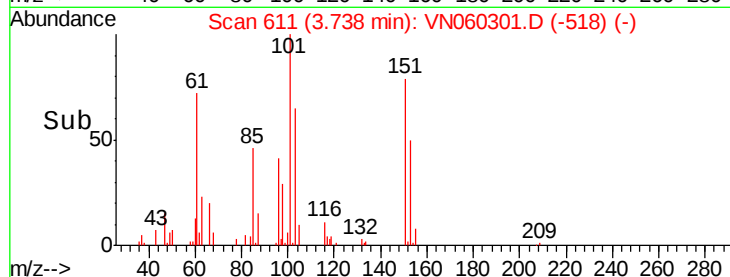
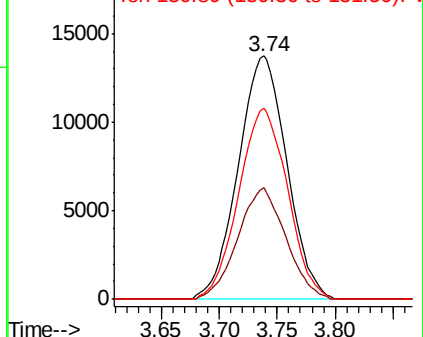
151 78.7 62.0 93.0



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: 18.328 ug/l

RT: 3.93 min Scan# 670

Delta R.T. 0.00 min

Lab File: VN060301.D

Acq: 2 Mar 2020 11:02

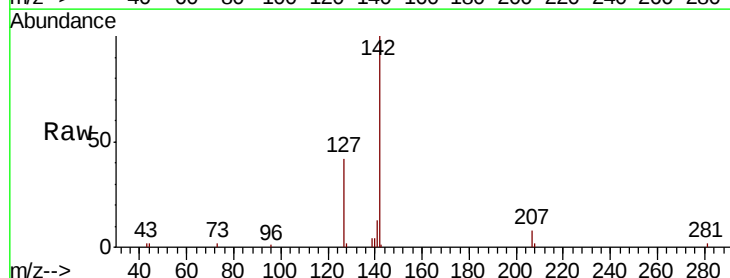
Tgt Ion:142 Resp: 36151

Ion Ratio Lower Upper

142 100

127 42.9 33.8 50.6

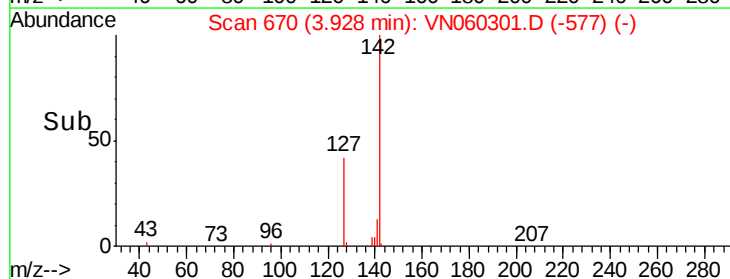
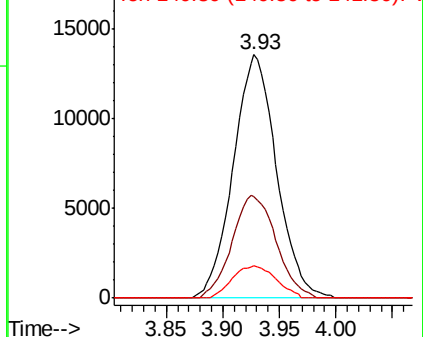
141 13.3 11.1 16.7



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



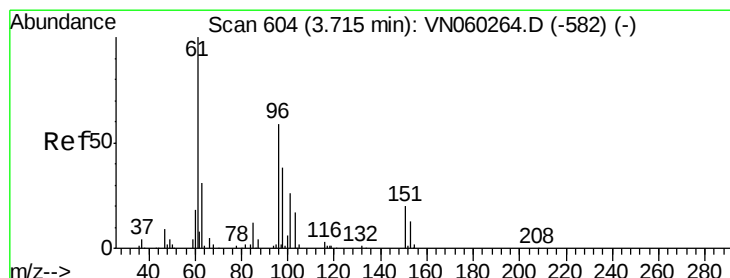
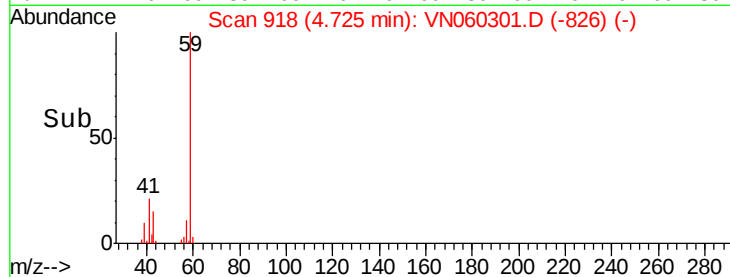
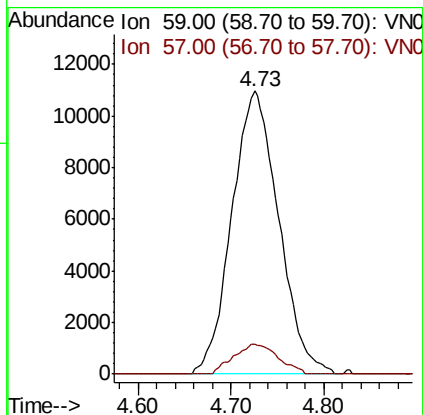
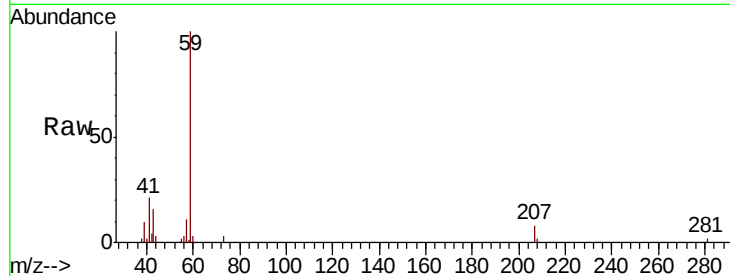


#11

Tert butyl alcohol
Concen: 92.442 ug/l
RT: 4.73 min Scan# 918
Delta R.T. -0.00 min
Lab File: VN060301.D
Acq: 2 Mar 2020 11:02

Instrument :
MSVOA_N
ClientSampleId :

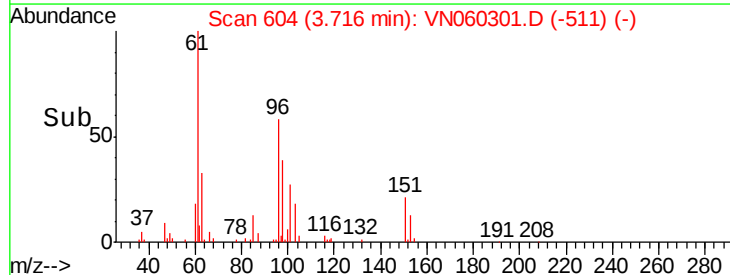
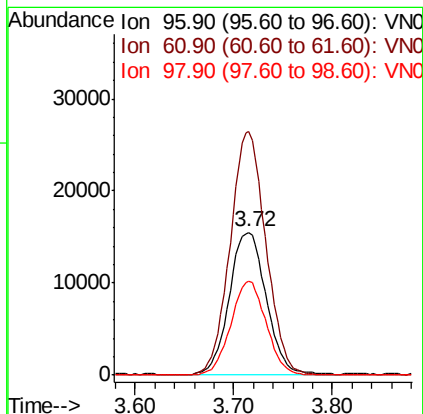
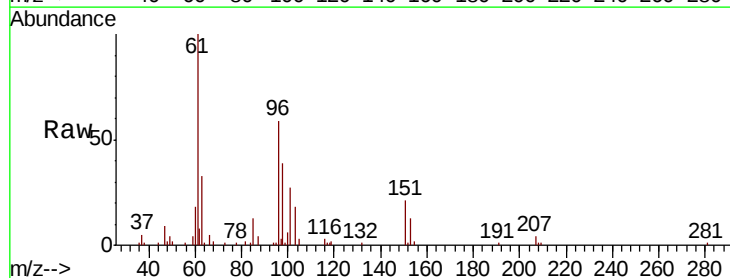
Tot Ion: 59 Resp: 38452
Ion Ratio Lower Upper
59 100
57 10.1 8.2 12.2



#12

1,1-Dichloroethene
Concen: 19.342 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN060301.D
Acq: 2 Mar 2020 11:02

Tgt Ion: 96 Resp: 40671
Ion Ratio Lower Upper
96 100
61 170.3 135.4 203.0
98 65.9 51.6 77.4

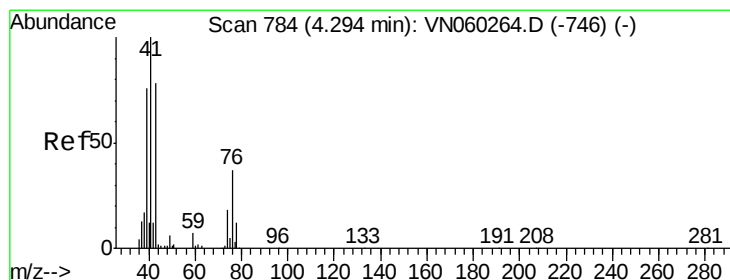
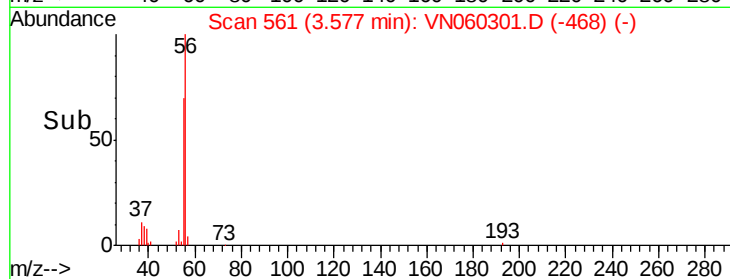
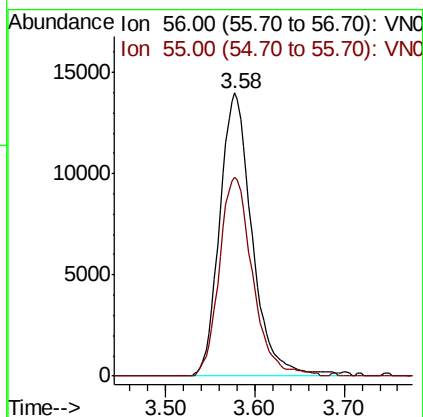
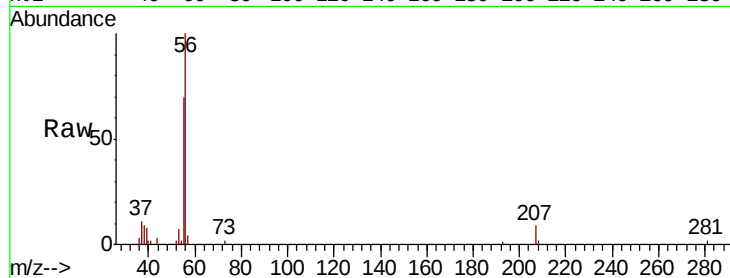




#13
Acrolein
Concen: 90.820 ug/l
RT: 3.58 min Scan# 561
Delta R.T. 0.00 min
Lab File: VN060301.D
Acq: 2 Mar 2020 11:02

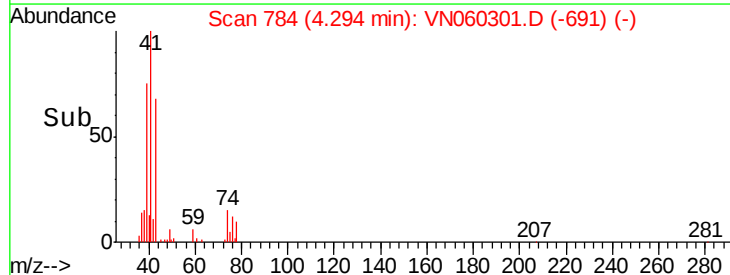
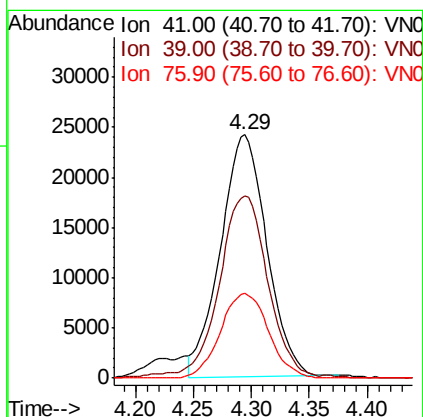
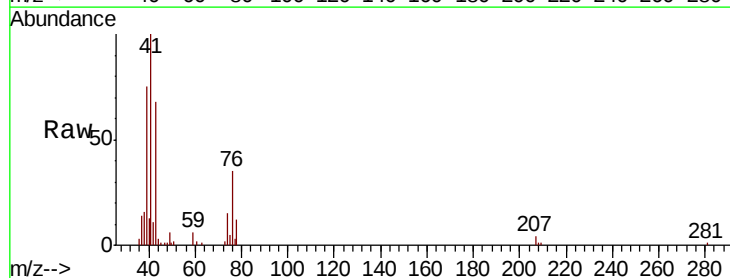
Instrument :
MSVOA_N
ClientSampled :

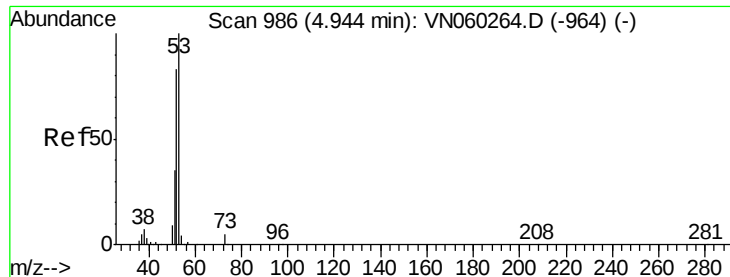
Tot Ion: 56 Resp: 35243
Ion Ratio Lower Upper
56 100
55 72.0 57.4 86.0



#14
Allyl chloride
Concen: 17.245 ug/l
RT: 4.29 min Scan# 784
Delta R.T. 0.00 min
Lab File: VN060301.D
Acq: 2 Mar 2020 11:02

Tgt Ion: 41 Resp: 66697
Ion Ratio Lower Upper
41 100
39 80.2 55.4 83.2
76 36.6 27.0 40.6





#15

Acrylonitrile

Concen: 93.526 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN060301.D

Acq: 2 Mar 2020 11:02

Instrument :

MSVOA_N

ClientSampleId :

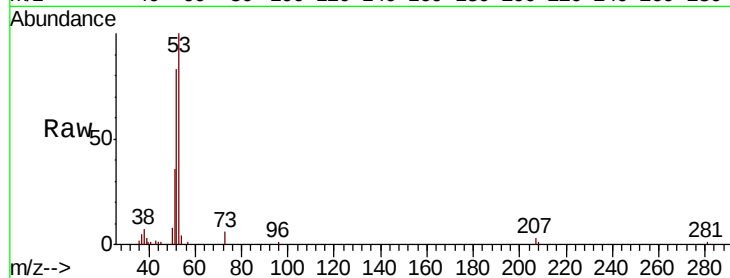
Tot Ion: 53 Resp: 102541

Ion Ratio Lower Upper

53 100

52 83.0 66.8 100.2

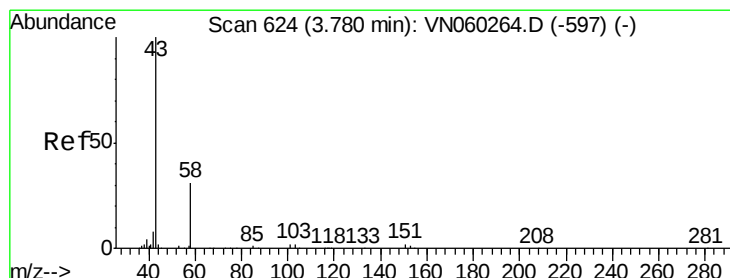
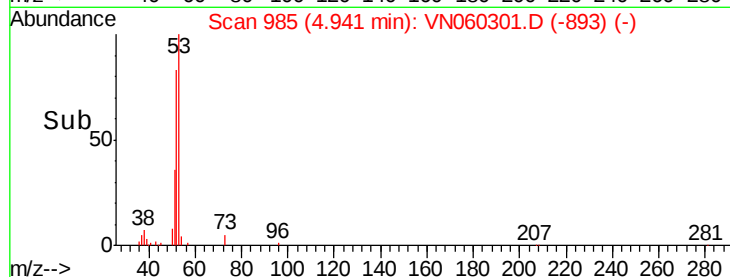
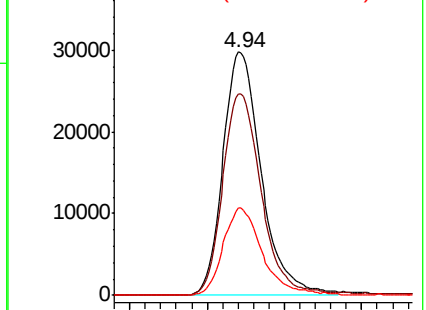
51 36.5 29.0 43.6



Abundance Ion 53.00 (52.70 to 53.70): VN060301.D (-964) (-)

Ion 52.00 (51.70 to 52.70): VN060301.D (-964) (-)

Ion 51.00 (50.70 to 51.70): VN060301.D (-964) (-)



#16

Acetone

Concen: 90.603 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.00 min

Lab File: VN060301.D

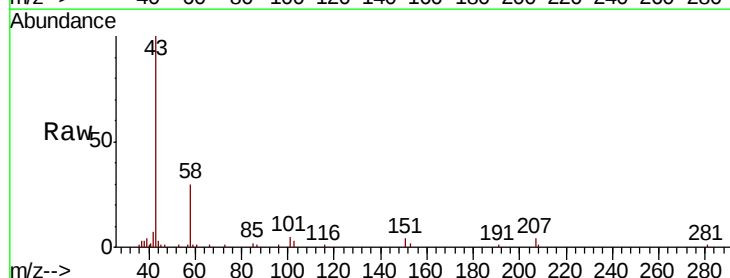
Acq: 2 Mar 2020 11:02

Tgt Ion: 43 Resp: 81962

Ion Ratio Lower Upper

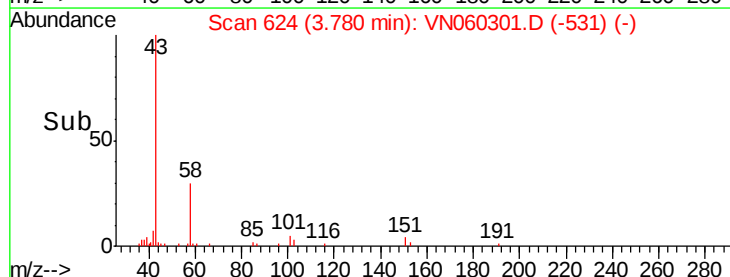
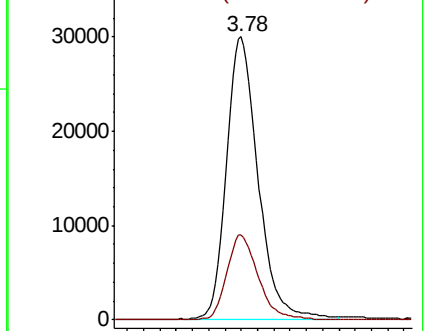
43 100

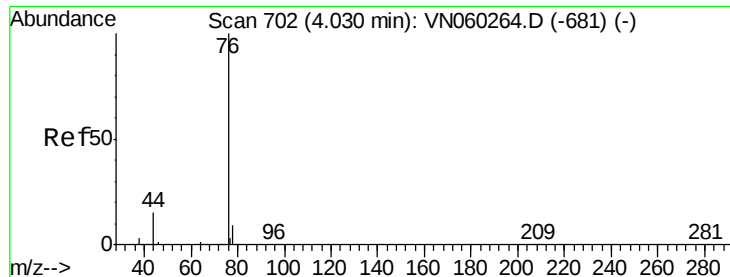
58 30.2 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VN060301.D (-531) (-)

Ion 58.00 (57.70 to 58.70): VN060301.D (-531) (-)

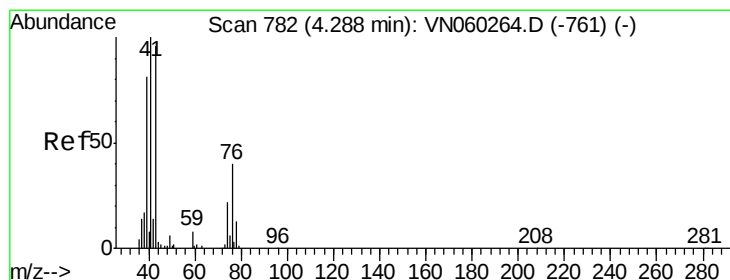
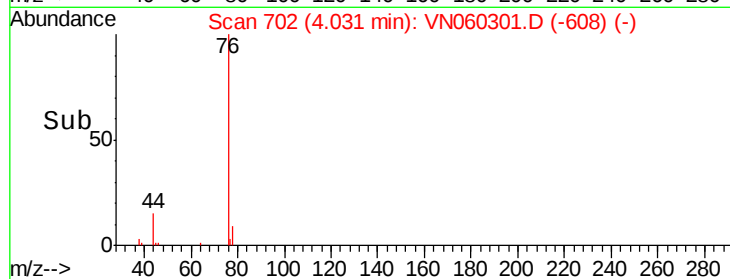
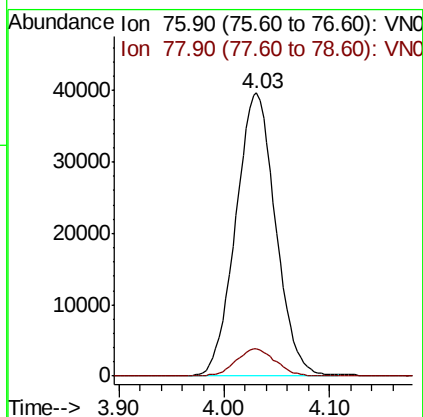
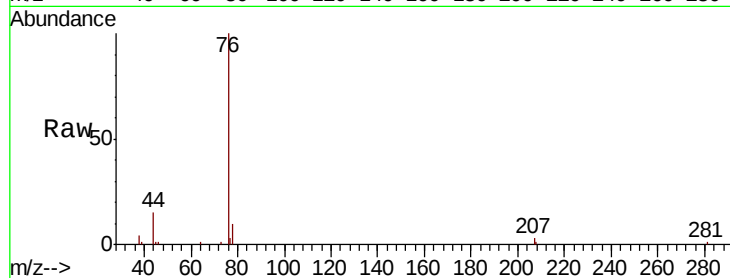




#17
Carbon Disulfide
Concen: 18.290 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN060301.D
Acq: 2 Mar 2020 11:02

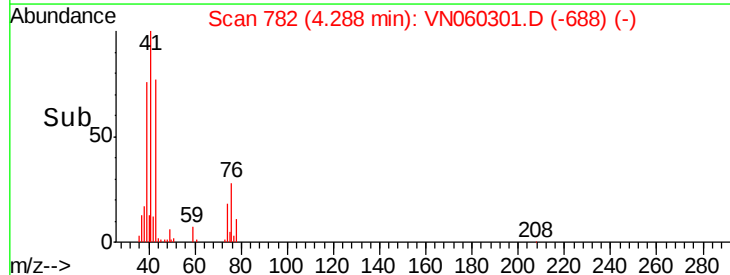
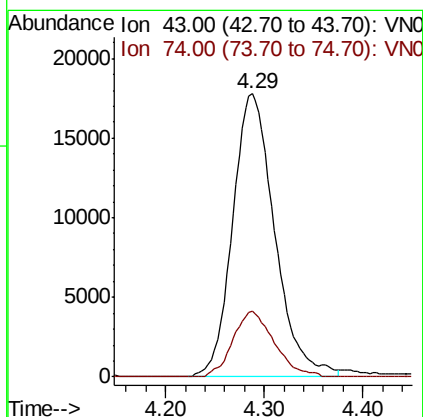
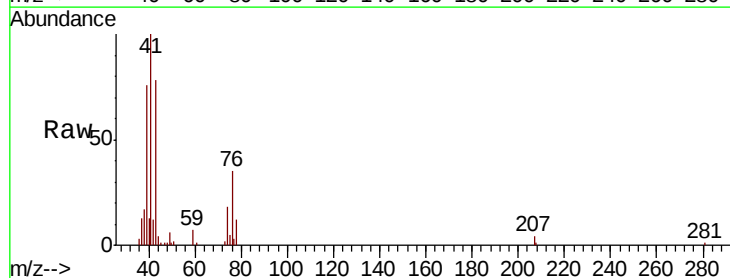
Instrument :
MSVOA_N
ClientSampled :

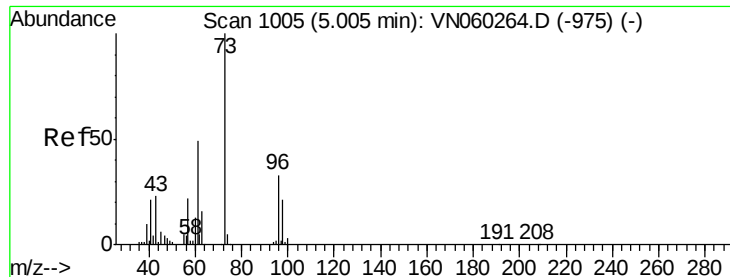
Tot Ion: 76 Resp: 104300
Ion Ratio Lower Upper
76 100
78 9.8 7.4 11.0



#18
Methyl Acetate
Concen: 17.439 ug/l
RT: 4.29 min Scan# 782
Delta R.T. 0.00 min
Lab File: VN060301.D
Acq: 2 Mar 2020 11:02

Tgt Ion: 43 Resp: 52647
Ion Ratio Lower Upper
43 100
74 22.7 18.8 28.2



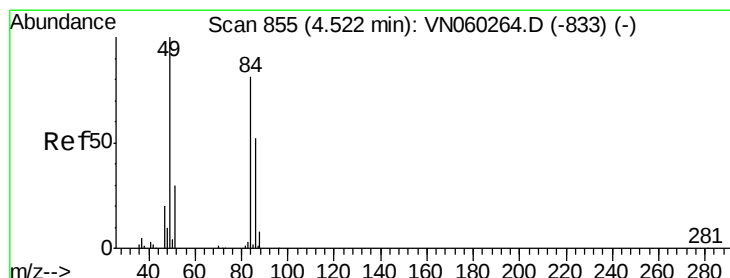
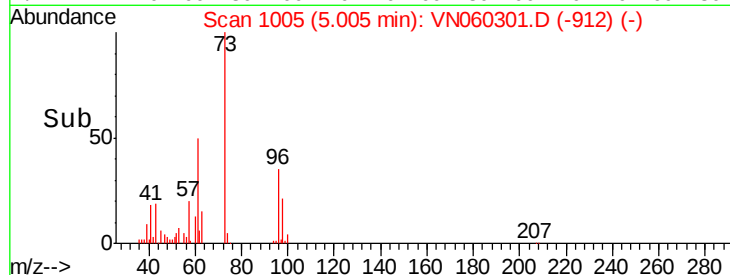
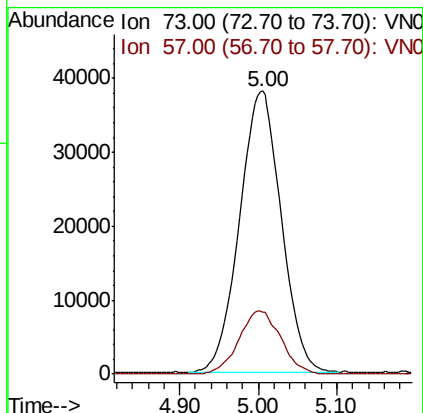
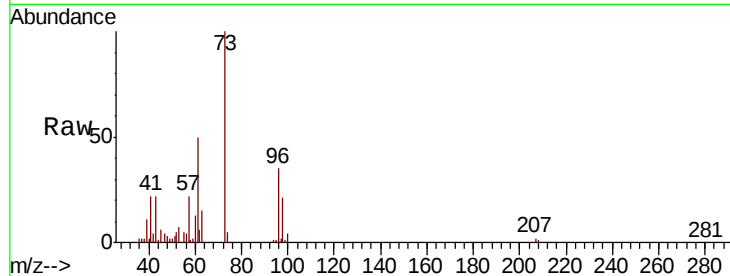


#19

Methyl tert-butyl Ether
 Concen: 18.623 ug/l
 RT: 5.00 min Scan# 1005
 Delta R.T. 0.00 min
 Lab File: VN060301.D
 Acq: 2 Mar 2020 11:02

Instrument :
 MSVOA_N
 ClientSampled :

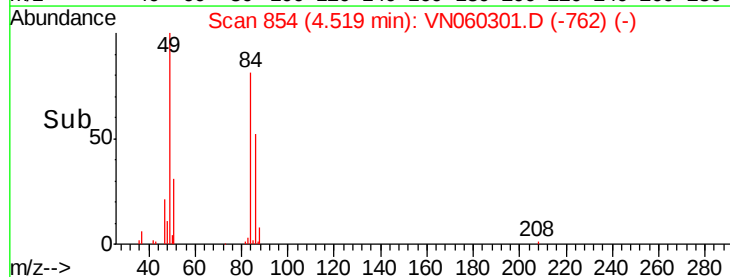
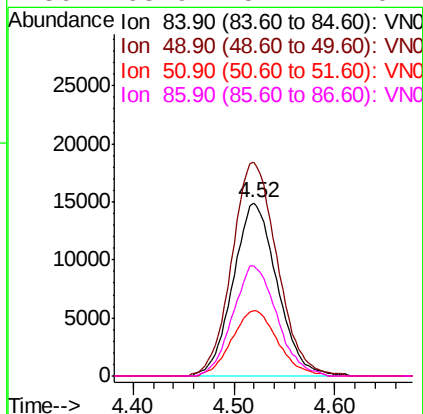
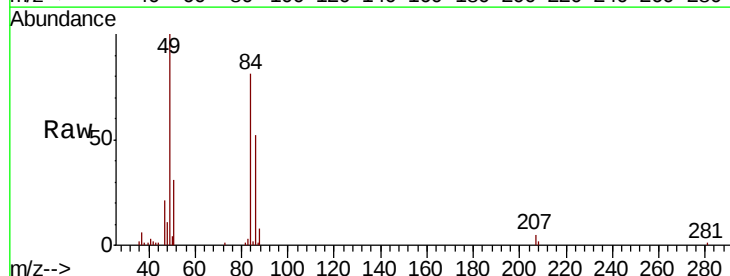
Tot Ion: 73 Resp: 141828
 Ion Ratio Lower Upper
 73 100
 57 22.3 17.3 25.9



#20

Methylene Chloride
 Concen: 18.169 ug/l
 RT: 4.52 min Scan# 854
 Delta R.T. -0.00 min
 Lab File: VN060301.D
 Acq: 2 Mar 2020 11:02

Tgt Ion: 84 Resp: 45138
 Ion Ratio Lower Upper
 84 100
 49 123.2 99.3 148.9
 51 38.0 30.1 45.1
 86 63.9 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 19.115 ug/l

RT: 5.00 min Scan# 1005

Delta R.T. -0.01 min

Lab File: VN060301.D

Acq: 2 Mar 2020 11:02

Instrument :

MSVOA_N

ClientSampled :

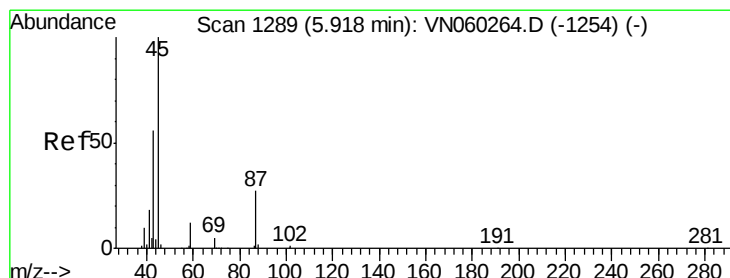
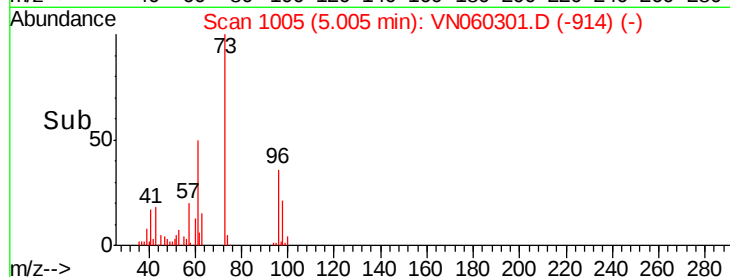
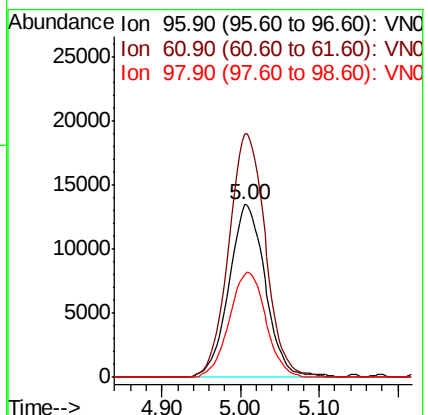
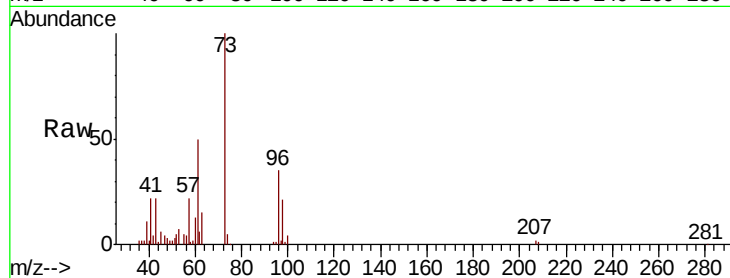
Tot Ion: 96 Resp: 43673

Ion Ratio Lower Upper

96 100

61 141.0 113.8 170.8

98 59.8 48.8 73.2



#22

Diisopropyl ether

Concen: 19.297 ug/l

RT: 5.91 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VN060301.D

Acq: 2 Mar 2020 11:02

Tgt Ion: 45 Resp: 151176

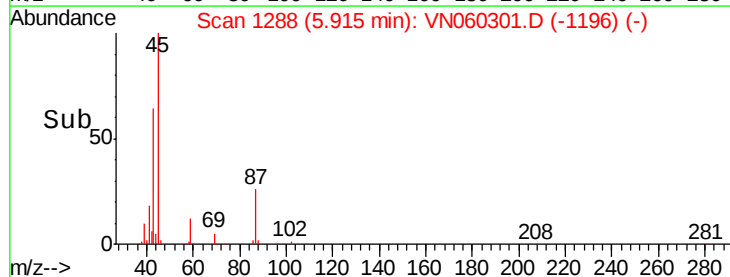
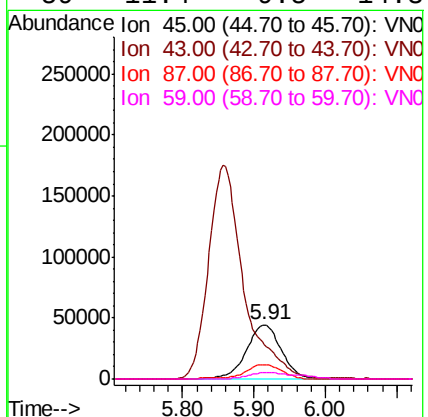
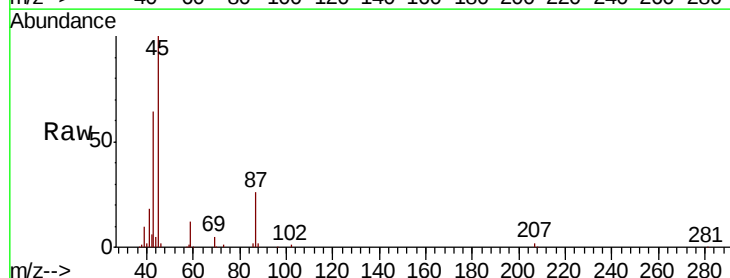
Ion Ratio Lower Upper

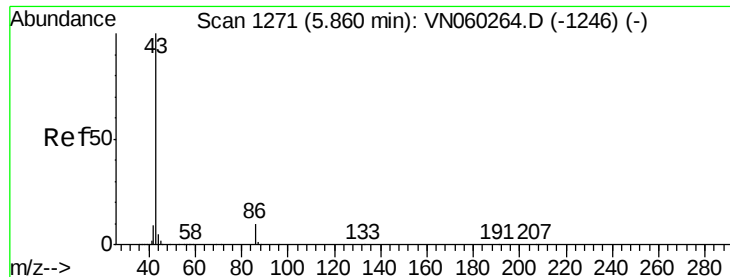
45 100

43 62.1 48.6 72.8

87 26.4 22.2 33.2

59 11.4 9.5 14.3





#23

Vinyl Acetate

Concen: 96.512 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN060301.D

Acq: 2 Mar 2020 11:02

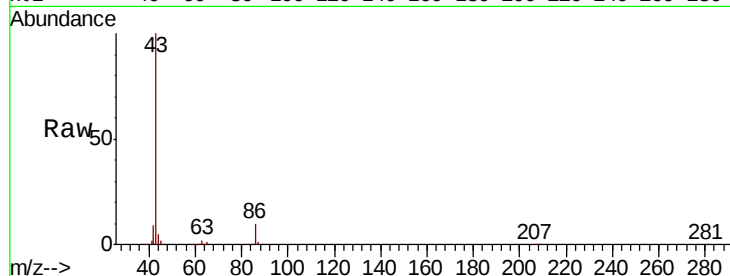
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 600813

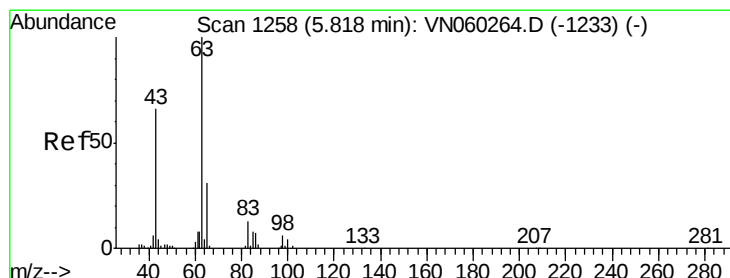
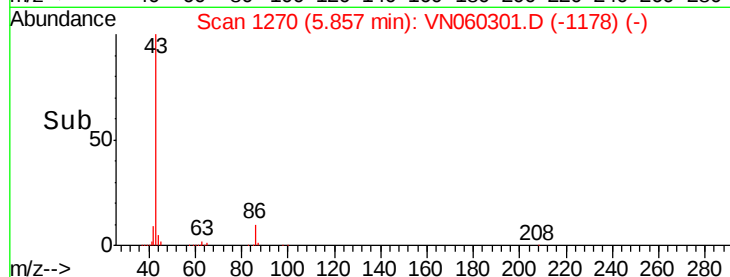
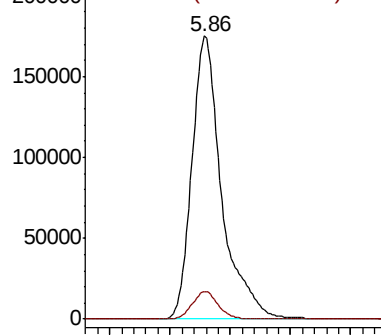
Ion Ratio Lower Upper

43 100

86 9.8 8.0 12.0



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 18.961 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN060301.D

Acq: 2 Mar 2020 11:02

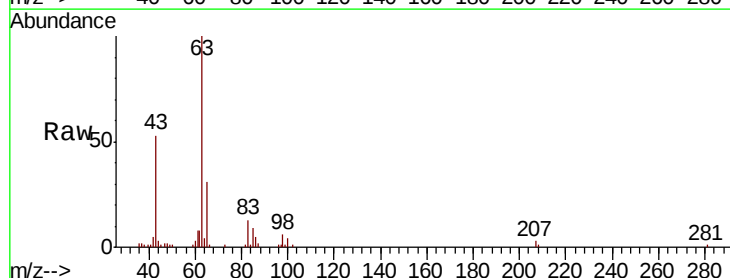
Tgt Ion: 63 Resp: 84084

Ion Ratio Lower Upper

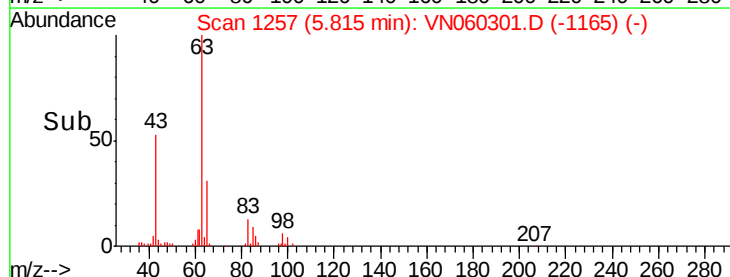
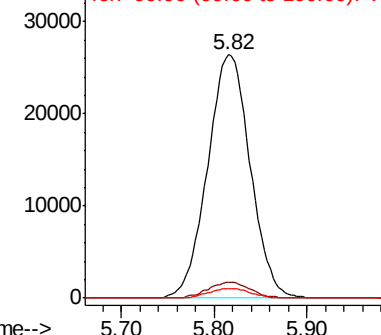
63 100

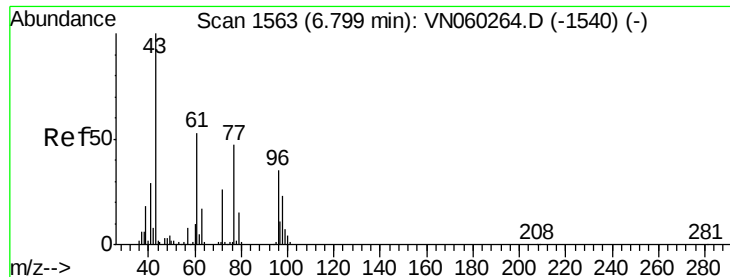
98 6.3 3.0 9.0

100 3.7 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN0
Ion 97.90 (97.60 to 98.60): VN0
Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 93.176 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060301.D

Acq: 2 Mar 2020 11:02

Instrument :

MSVOA_N

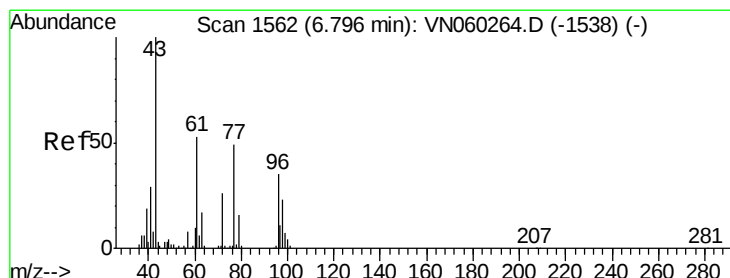
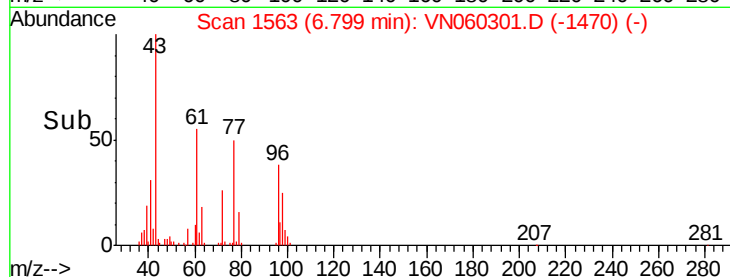
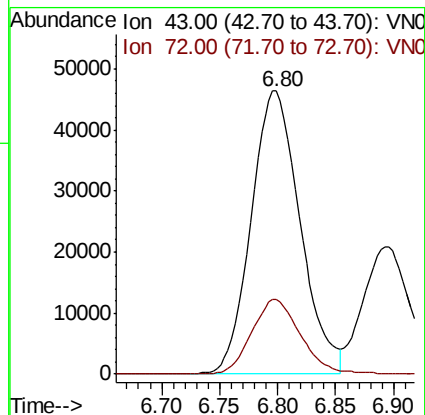
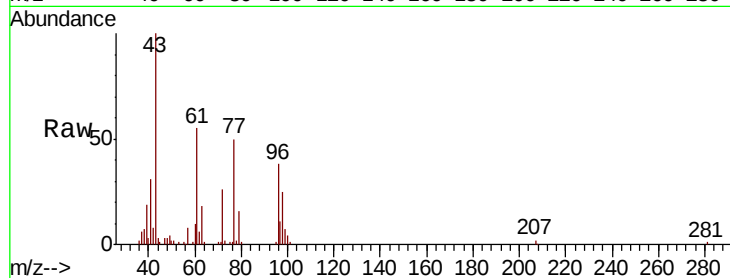
ClientSampleId :

Tot Ion: 43 Resp: 136147

Ion Ratio Lower Upper

43 100

72 26.4 20.9 31.3



#26

2,2-Dichloropropane

Concen: 18.758 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VN060301.D

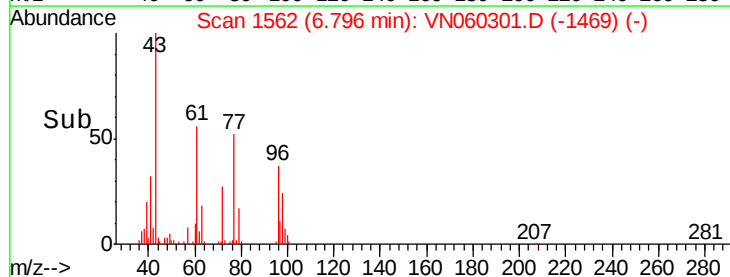
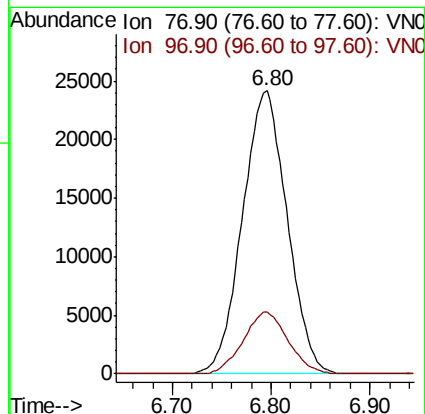
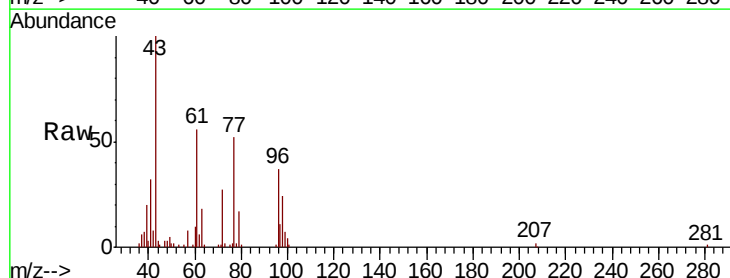
Acq: 2 Mar 2020 11:02

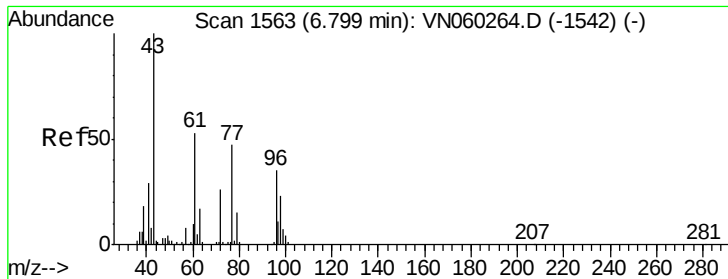
Tgt Ion: 77 Resp: 75728

Ion Ratio Lower Upper

77 100

97 21.9 11.2 33.6

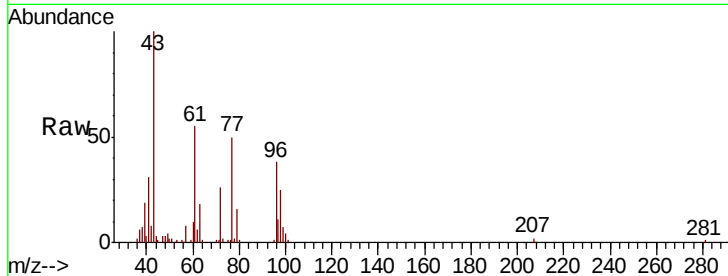




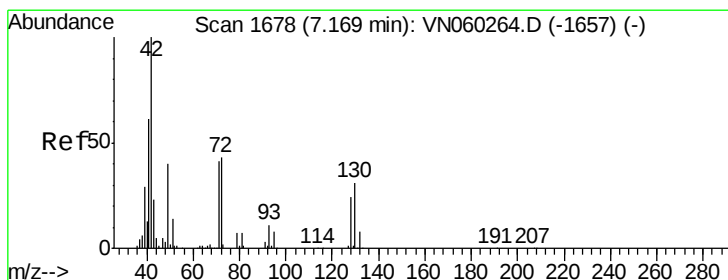
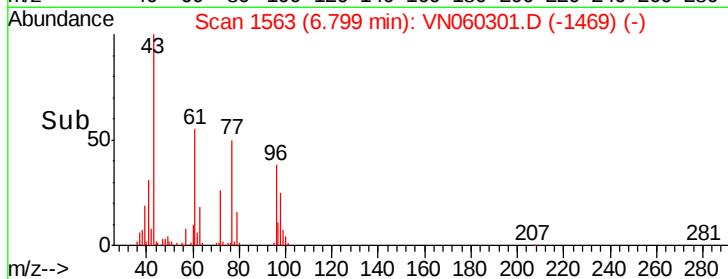
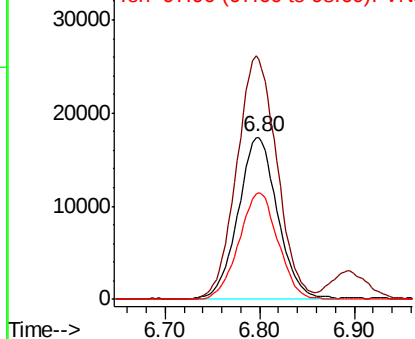
#27
 cis-1,2-Dichloroethene
 Concen: 17.548 ug/l
 RT: 6.80 min Scan# 1563
 Delta R.T. 0.00 min
 Lab File: VN060301.D
 Acq: 2 Mar 2020 11:02

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 96 Resp: 50551
 Ion Ratio Lower Upper
 96 100
 61 152.2 0.0 300.8
 98 64.7 0.0 128.2

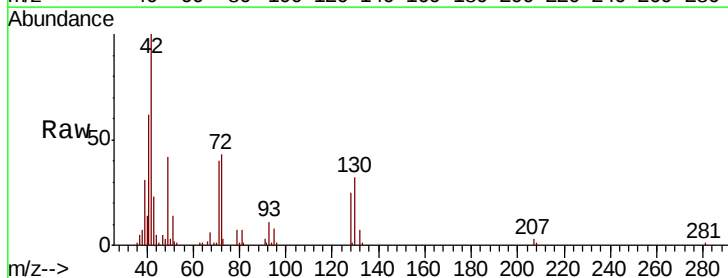


Abundance Ion 95.90 (95.60 to 96.60): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0

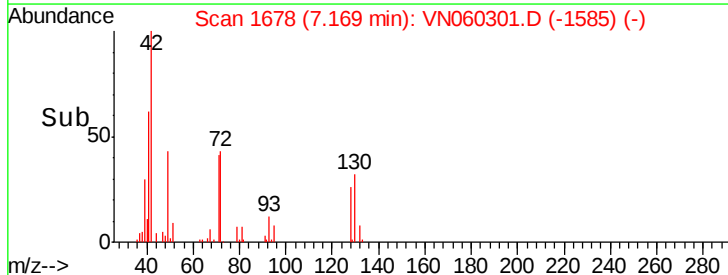
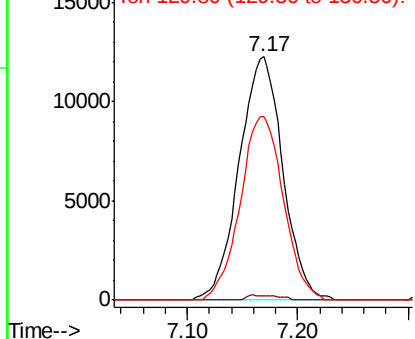


#28
 Bromochloromethane
 Concen: 18.486 ug/l
 RT: 7.17 min Scan# 1678
 Delta R.T. 0.00 min
 Lab File: VN060301.D
 Acq: 2 Mar 2020 11:02

Tgt Ion: 49 Resp: 33659
 Ion Ratio Lower Upper
 49 100
 129 1.5 0.0 3.8
 130 74.6 59.8 89.8



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

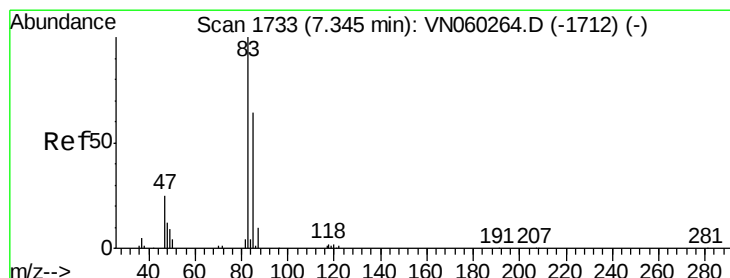
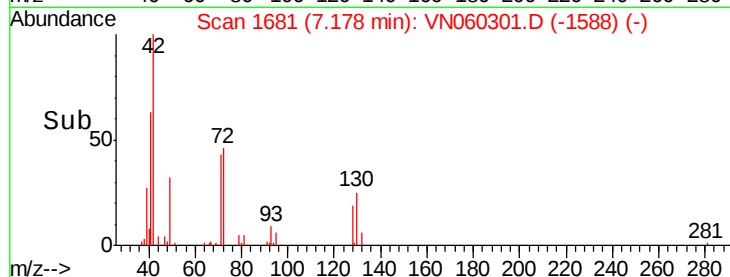
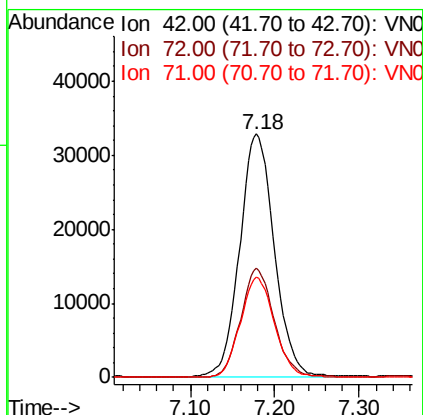
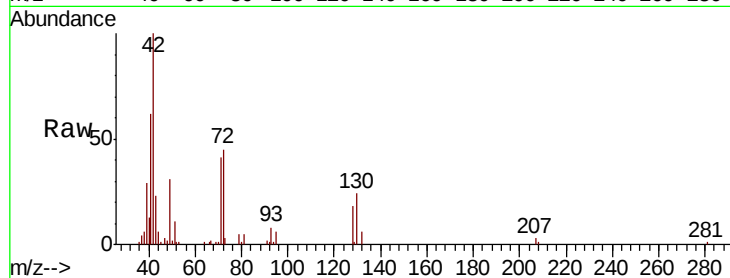




#29
Tetrahydrofuran
Concen: 92.730 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN060301.D
Acq: 2 Mar 2020 11:02

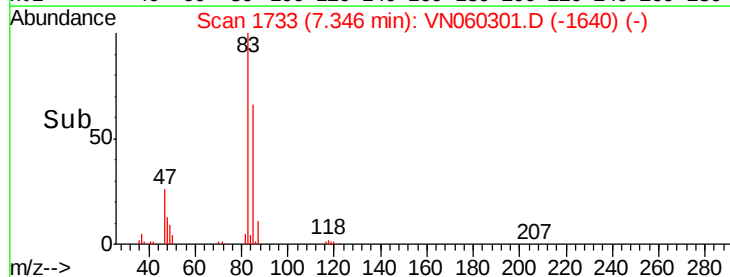
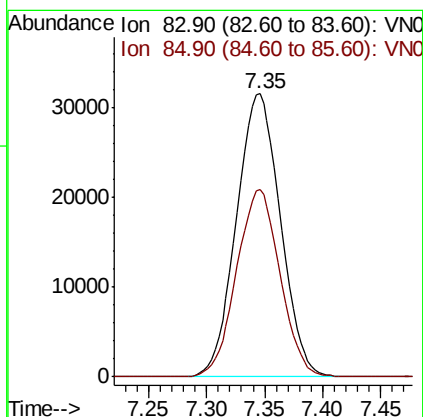
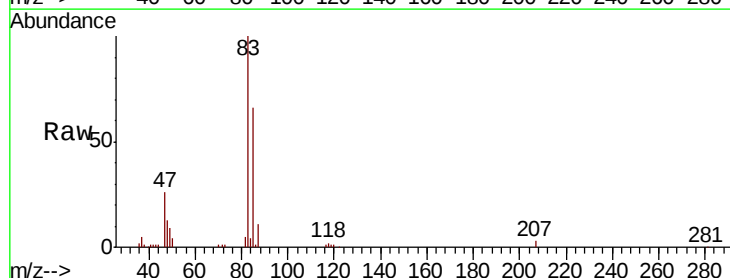
Instrument :
MSVOA_N
ClientSampleId :

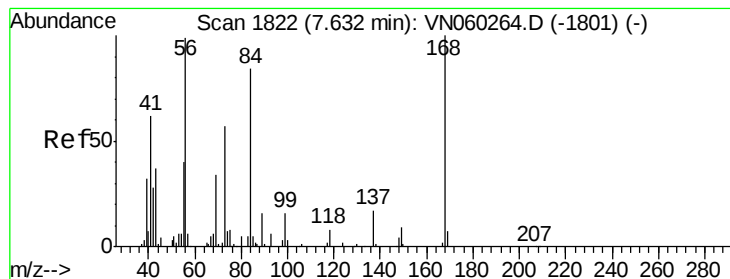
Tot Ion: 42 Resp: 94221
Ion Ratio Lower Upper
42 100
72 43.0 34.6 52.0
71 40.3 32.9 49.3



#30
Chloroform
Concen: 18.874 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN060301.D
Acq: 2 Mar 2020 11:02

Tgt Ion: 83 Resp: 83321
Ion Ratio Lower Upper
83 100
85 66.3 51.4 77.2





#31

Cyclohexane

Concen: 19.513 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VN060301.D

Acq: 2 Mar 2020 11:02

Instrument :
MSVOA_N
ClientSampled :

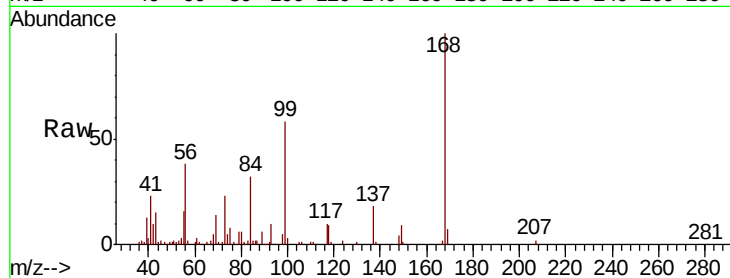
Tot Ion: 56 Resp: 76936

Ion Ratio Lower Upper

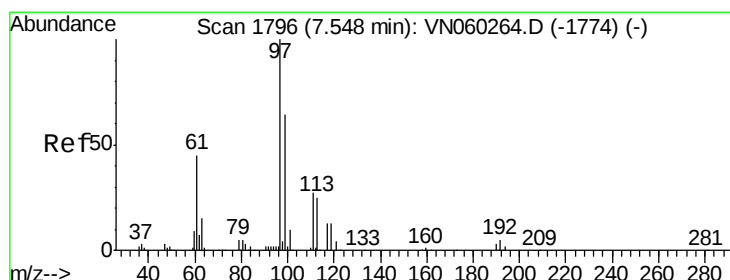
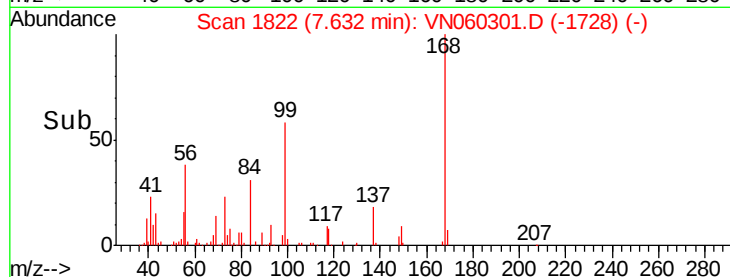
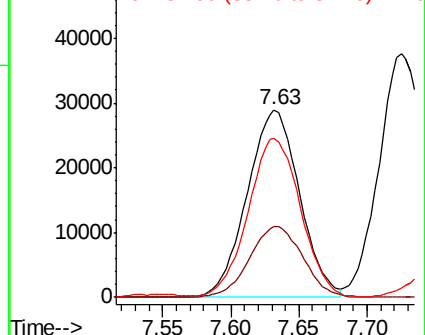
56 100

69 37.7 27.2 40.8

84 83.8 66.7 100.1



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



#32

1,1,1-Trichloroethane

Concen: 18.878 ug/l

RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN060301.D

Acq: 2 Mar 2020 11:02

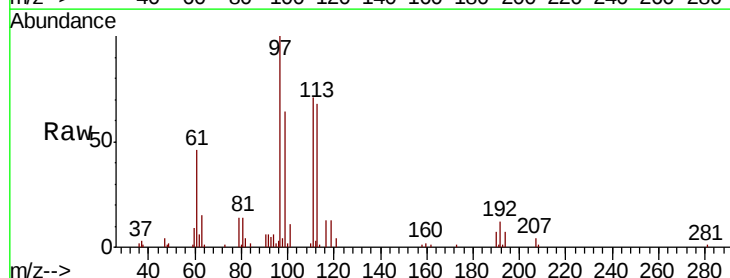
Tgt Ion: 97 Resp: 73837

Ion Ratio Lower Upper

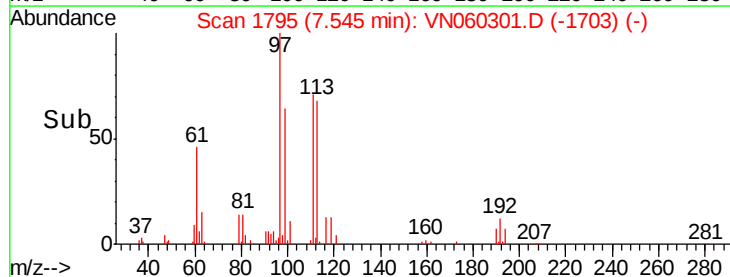
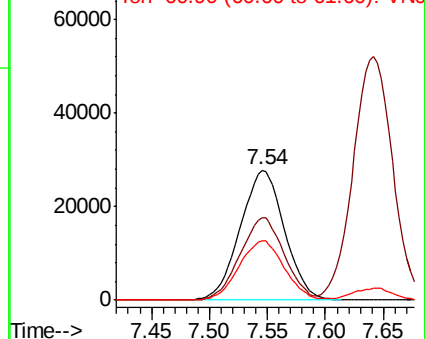
97 100

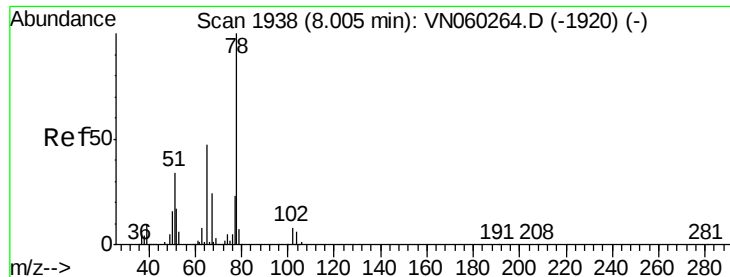
99 63.4 51.4 77.0

61 46.6 36.6 55.0



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0

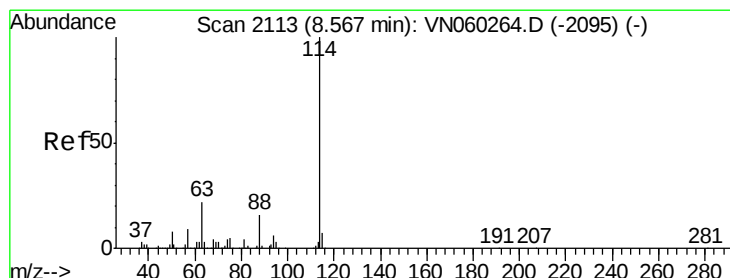
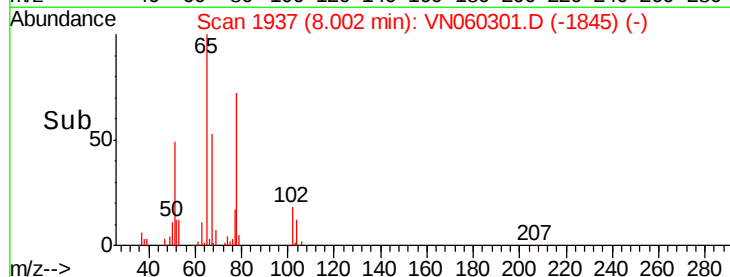
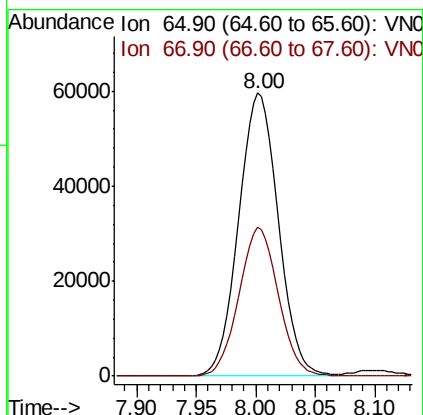
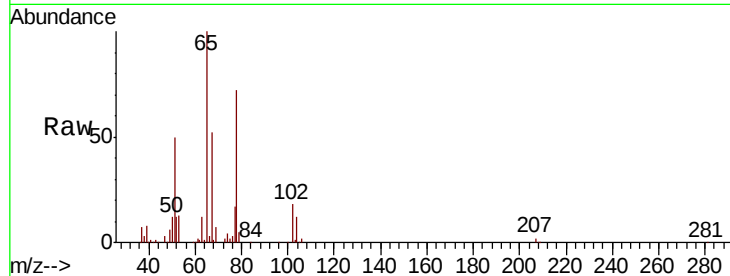




#33
 1,2-Dichloroethane-d4
 Concen: 49.245 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060301.D
 Acq: 2 Mar 2020 11:02

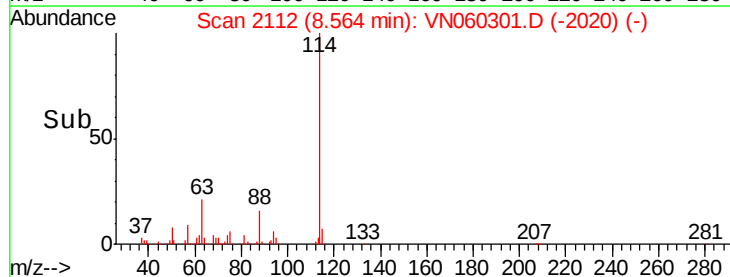
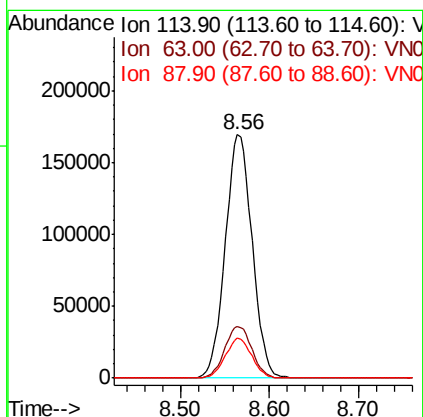
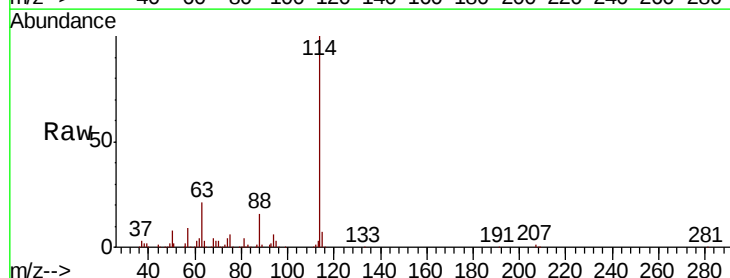
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 65 Resp: 137951
 Ion Ratio Lower Upper
 65 100
 67 52.0 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: VN060301.D
 Acq: 2 Mar 2020 11:02

Tgt Ion: 114 Resp: 353589
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 43.2
 88 16.4 0.0 31.6

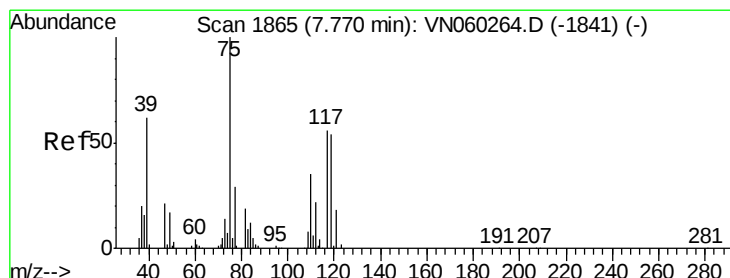
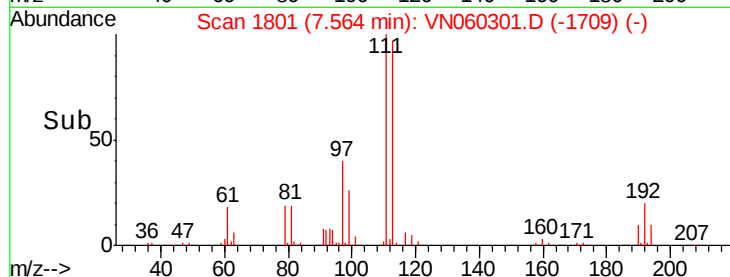
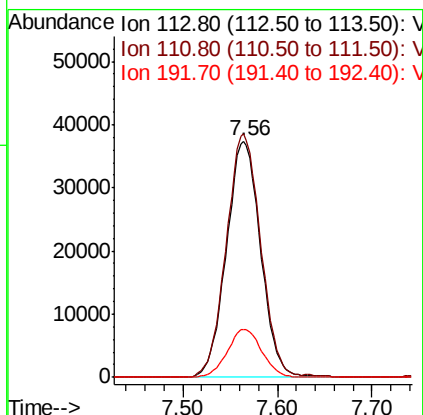
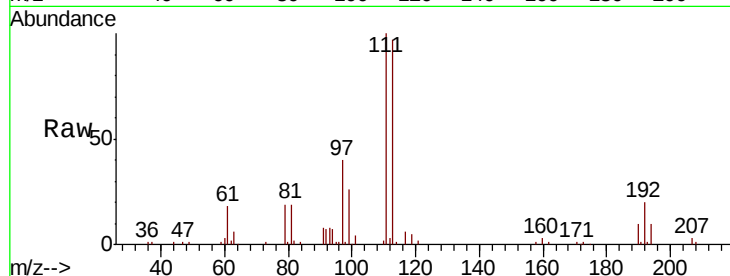




#35
 Dibromofluoromethane
 Concen: 57.181 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060301.D
 Acq: 2 Mar 2020 11:02

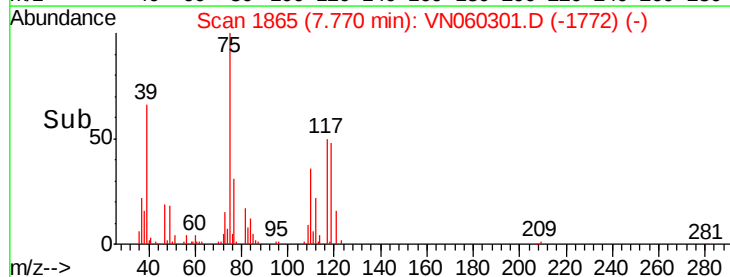
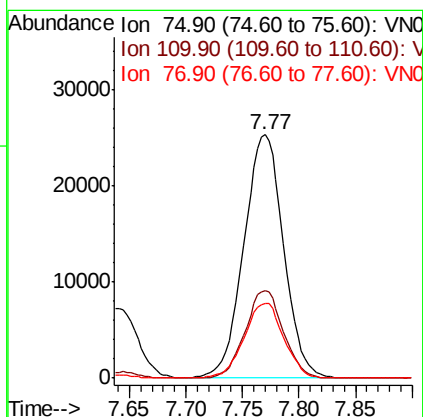
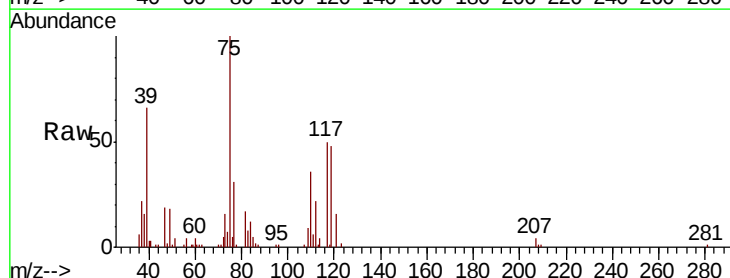
Instrument :
 MSVOA_N
 ClientSampleId :

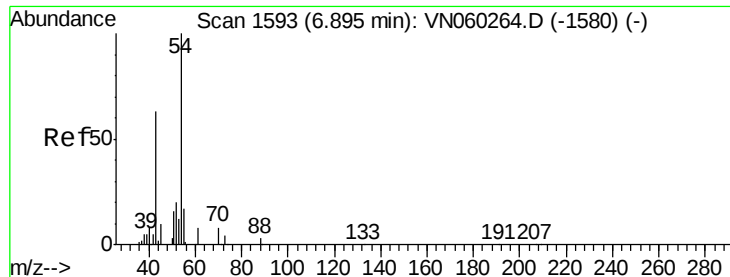
Tot Ion:113 Resp: 93848
 Ion Ratio Lower Upper
 113 100
 111 103.4 82.4 123.6
 192 20.5 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 18.312 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. 0.00 min
 Lab File: VN060301.D
 Acq: 2 Mar 2020 11:02

Tgt Ion: 75 Resp: 61708
 Ion Ratio Lower Upper
 75 100
 110 34.5 17.3 52.0
 77 30.7 24.2 36.2

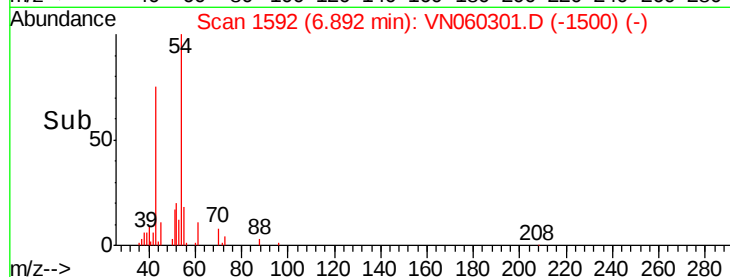
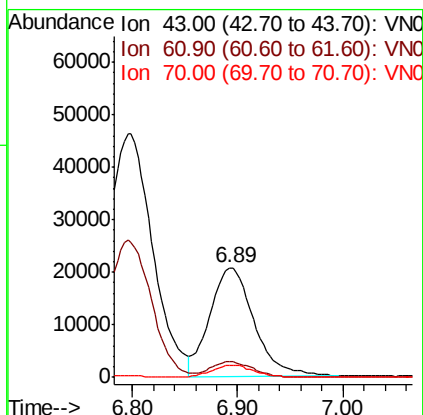
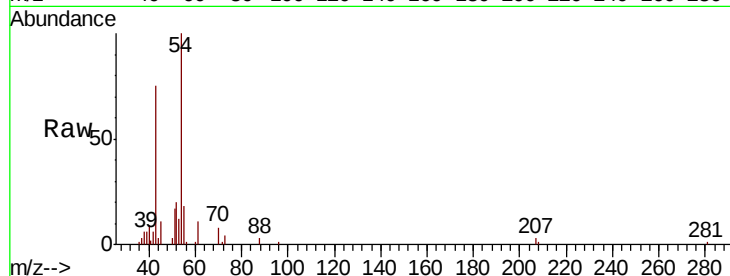




#37
Ethyl Acetate
Concen: 18.849 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN060301.D
Acq: 2 Mar 2020 11:02

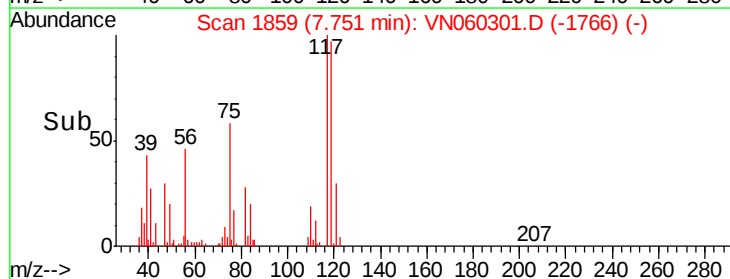
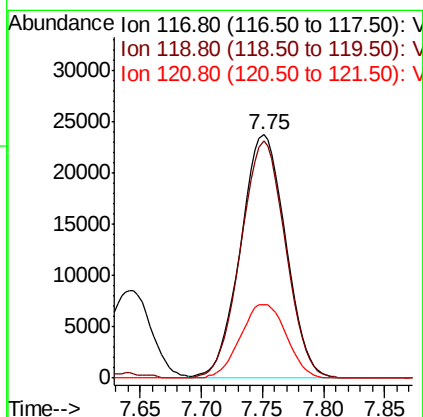
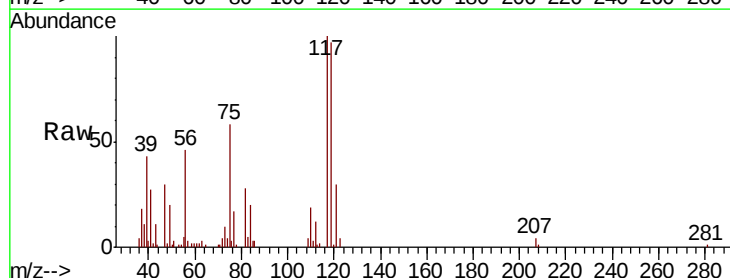
Instrument :
MSVOA_N
ClientSampled :

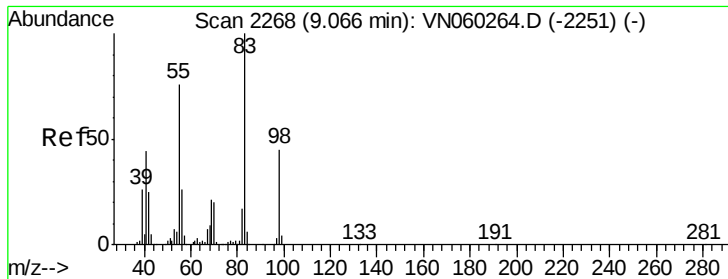
Tot Ion: 43 Resp: 60143
Ion Ratio Lower Upper
43 100
61 13.8 11.1 16.7
70 10.4 8.4 12.6



#38
Carbon Tetrachloride
Concen: 18.602 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN060301.D
Acq: 2 Mar 2020 11:02

Tgt Ion: 117 Resp: 61034
Ion Ratio Lower Upper
117 100
119 97.2 76.7 115.1
121 30.4 24.5 36.7

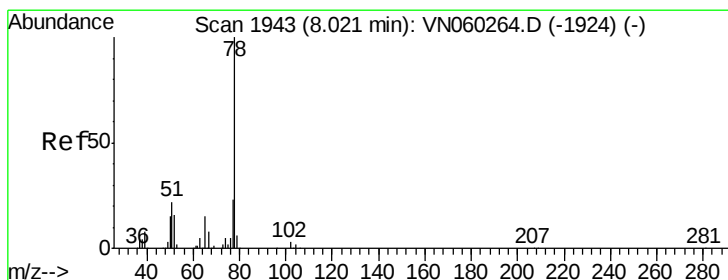
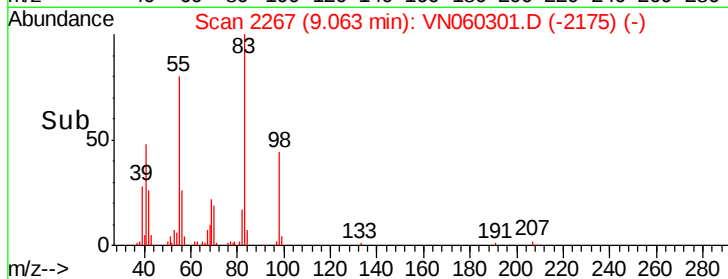
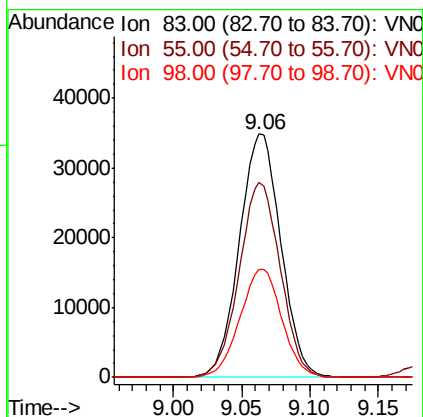
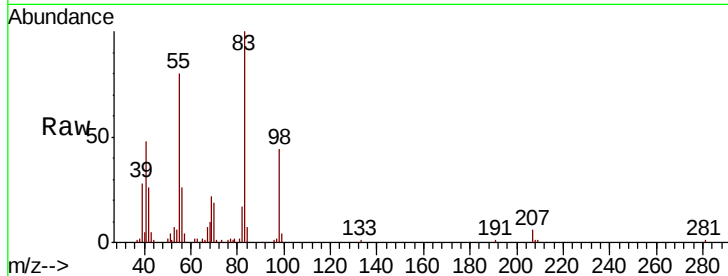




#39
Methylvlcvclohexane
Concen: 18.559 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060301.D
Acq: 2 Mar 2020 11:02

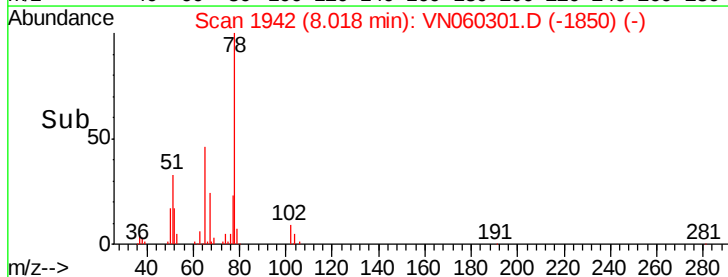
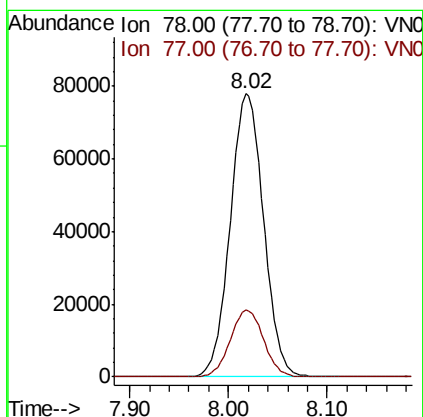
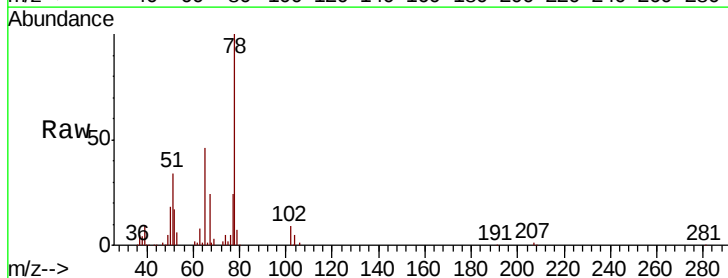
Instrument :
MSVOA_N
ClientSampled :

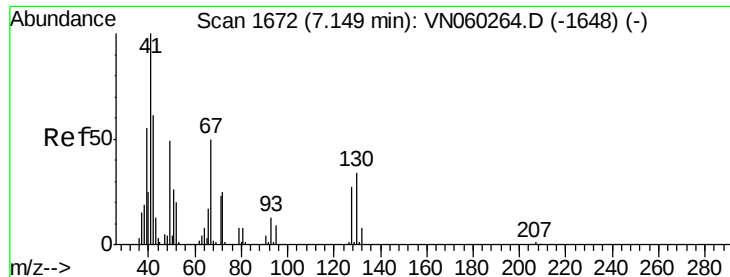
Tot Ion: 83 Resp: 73741
Ion Ratio Lower Upper
83 100
55 80.2 61.0 91.4
98 44.3 36.1 54.1



#40
Benzene
Concen: 18.728 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060301.D
Acq: 2 Mar 2020 11:02

Tgt Ion: 78 Resp: 183684
Ion Ratio Lower Upper
78 100
77 23.6 18.8 28.2

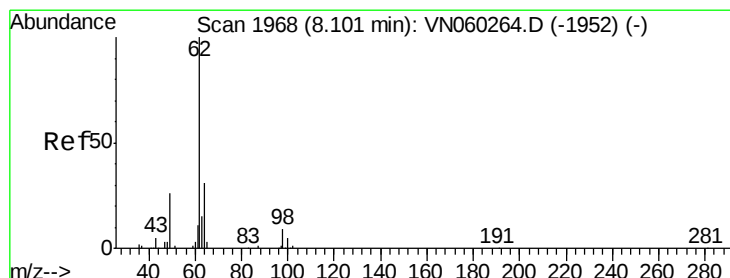
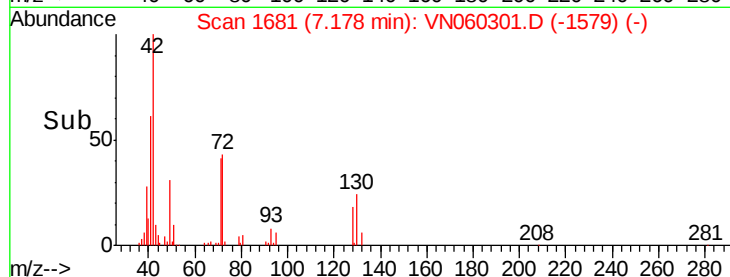
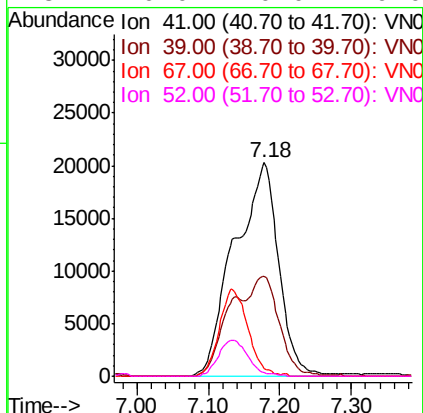
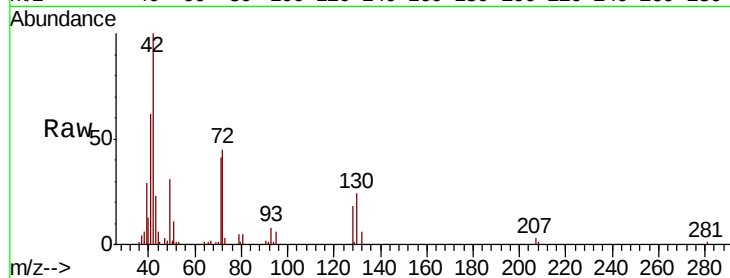




#41
Methacrylonitrile
Concen: 59.122 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.03 min
Lab File: VN060301.D
Acq: 2 Mar 2020 11:02

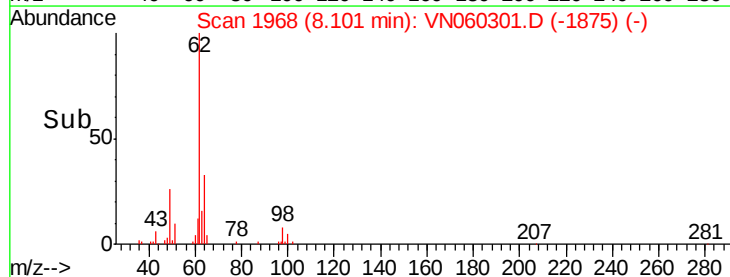
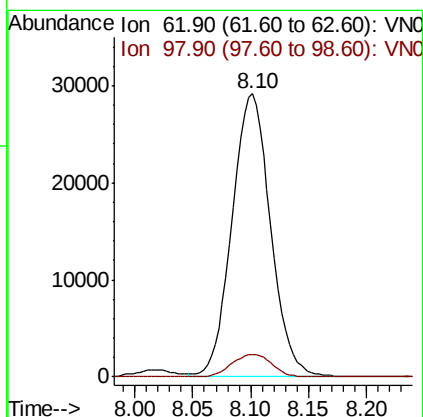
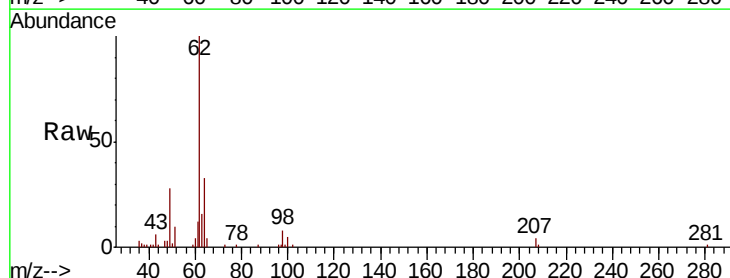
Instrument :
MSVOA_N
ClientSampled :

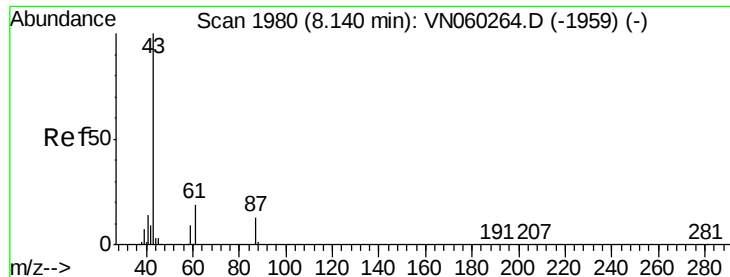
Tot Ion:	41	Resp:	87107
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 19.041 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN060301.D
Acq: 2 Mar 2020 11:02

Tgt Ion:	62	Resp:	67394
Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	17.0





#43

Isopropyl Acetate

Concen: 19.017 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060301.D

Acq: 2 Mar 2020 11:02

Instrument :

MSVOA_N

ClientSampleId :

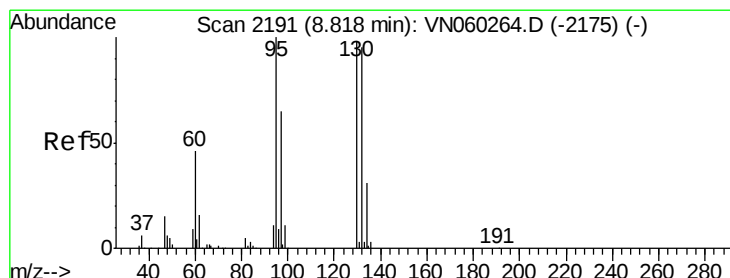
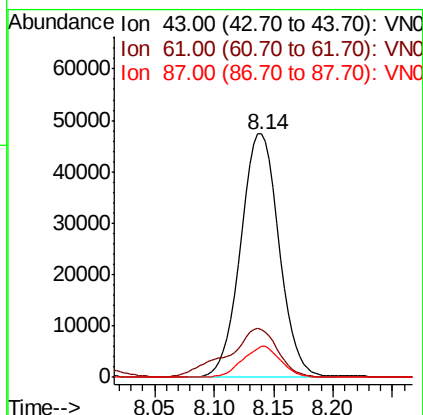
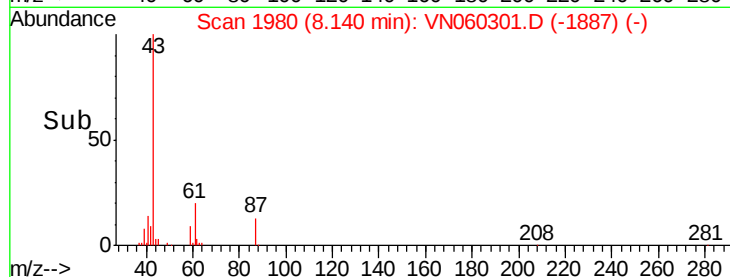
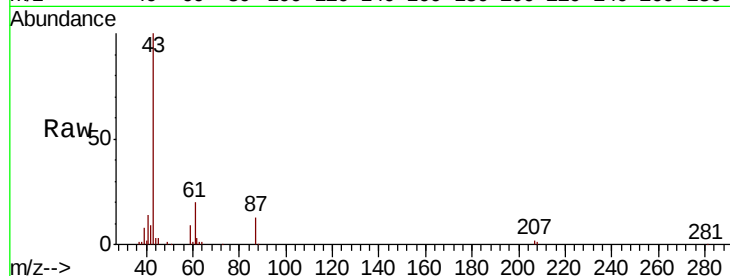
Tot Ion: 43 Resp: 106231

Ion Ratio Lower Upper

43 100

61 26.2 20.9 31.3

87 12.6 10.6 16.0



#44

Trichloroethene

Concen: 18.491 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. 0.00 min

Lab File: VN060301.D

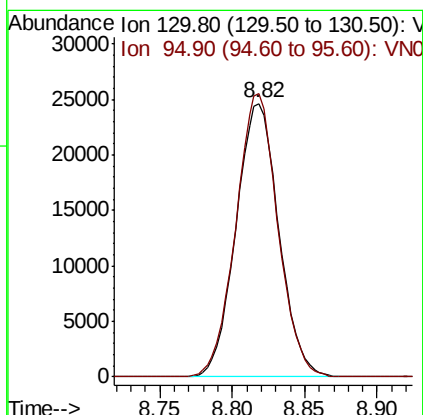
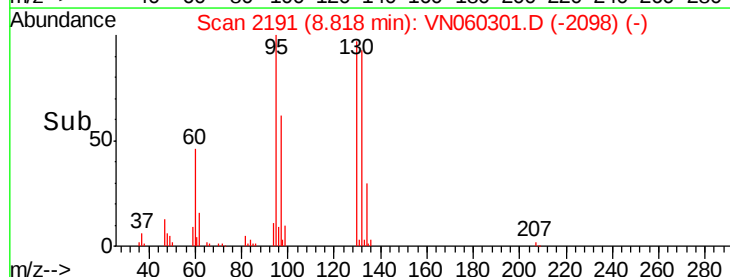
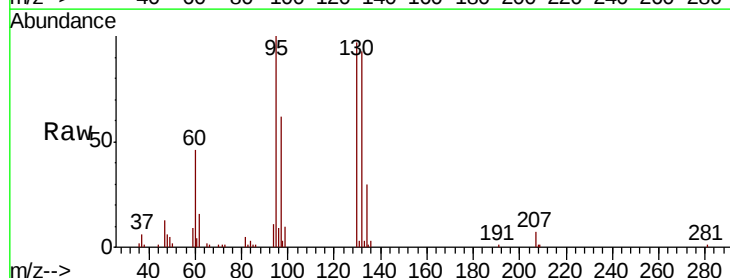
Acq: 2 Mar 2020 11:02

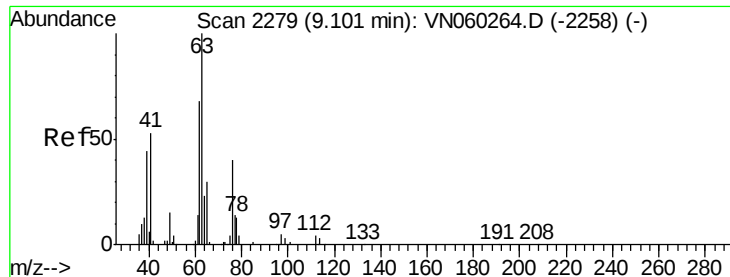
Tgt Ion:130 Resp: 50511

Ion Ratio Lower Upper

130 100

95 103.5 0.0 203.4

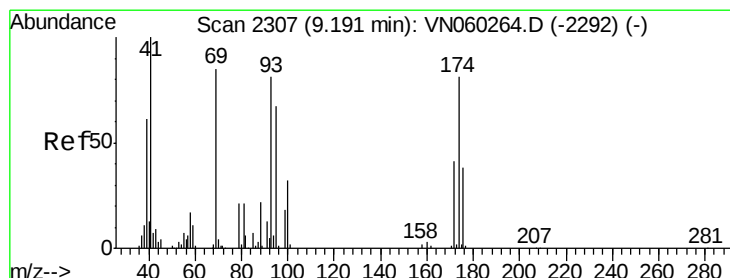
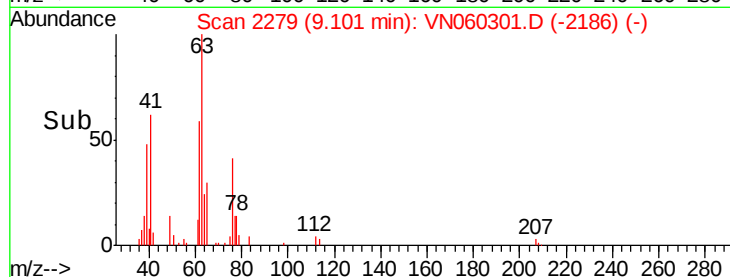
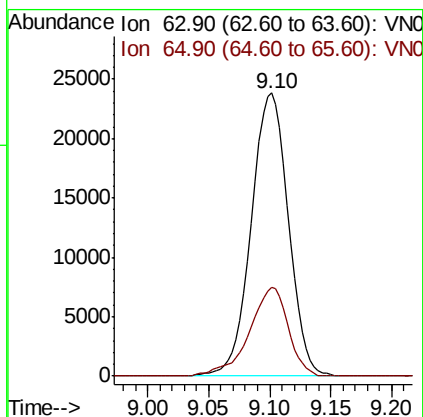
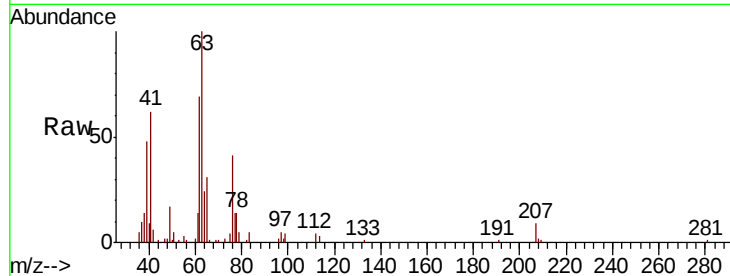




#45
 1,2-Dichloropropane
 Concen: 19.527 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN060301.D
 Acq: 2 Mar 2020 11:02

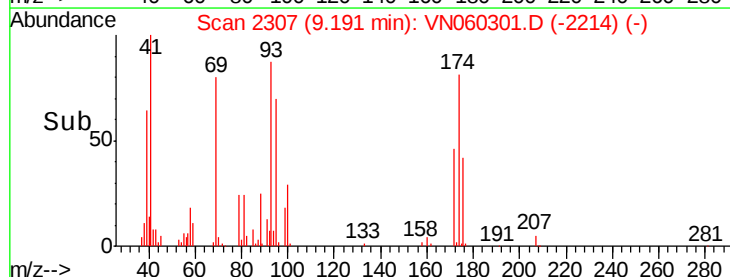
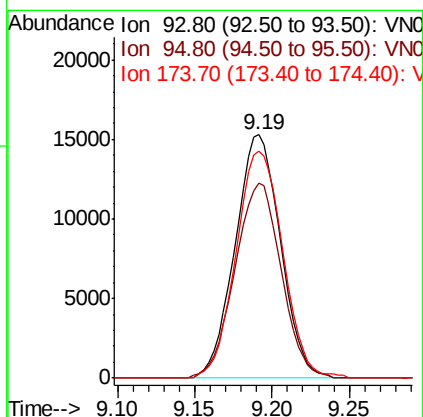
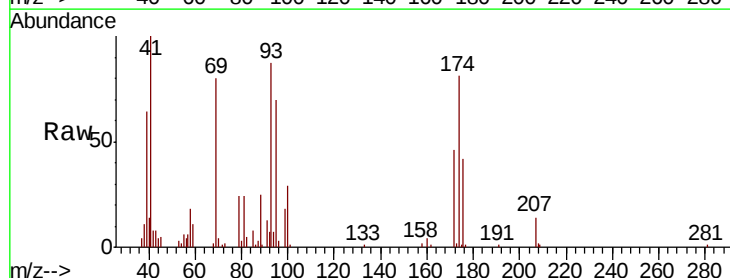
Instrument :
 MSVOA_N
 ClientSampled :

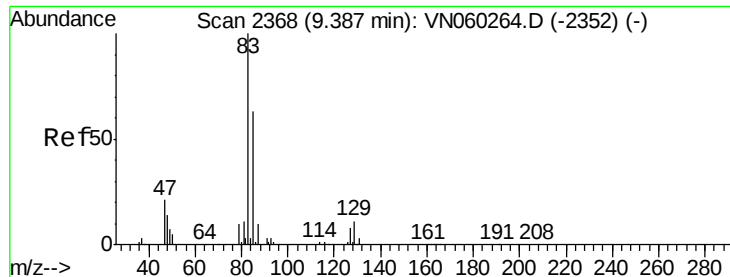
Tot Ion: 63 Resp: 50075
 Ion Ratio Lower Upper
 63 100
 65 31.3 24.4 36.6



#46
 Dibromomethane
 Concen: 18.737 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN060301.D
 Acq: 2 Mar 2020 11:02

Tgt Ion: 93 Resp: 31178
 Ion Ratio Lower Upper
 93 100
 95 81.8 65.9 98.9
 174 96.2 79.6 119.4





#47

Bromodichloromethane

Concen: 18.992 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN060301.D

Acq: 2 Mar 2020 11:02

Instrument :

MSVOA_N

ClientSampleId :

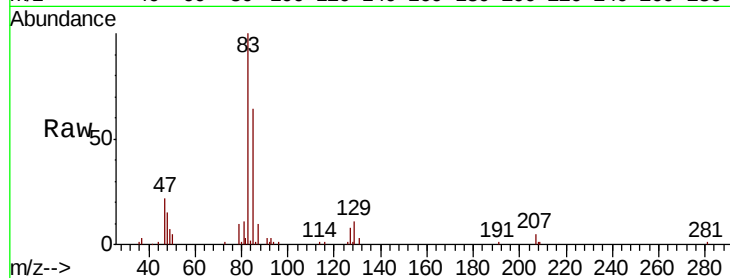
Tot Ion: 83 Resp: 64272

Ion Ratio Lower Upper

83 100

85 63.7 50.7 76.1

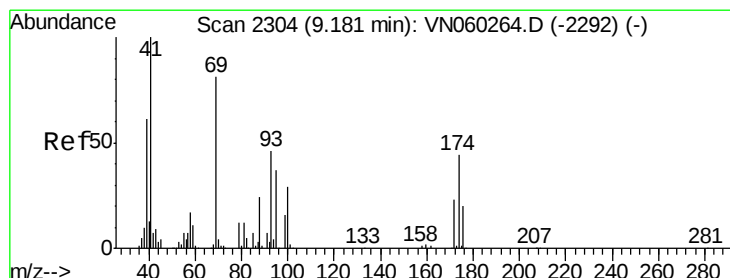
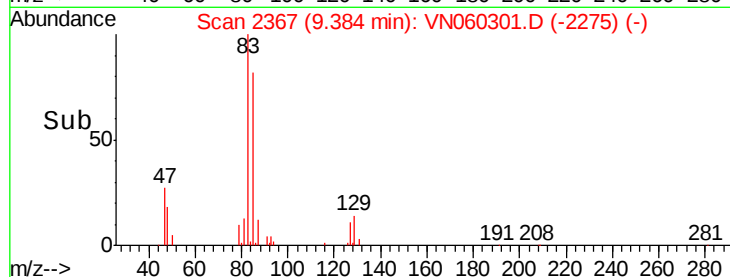
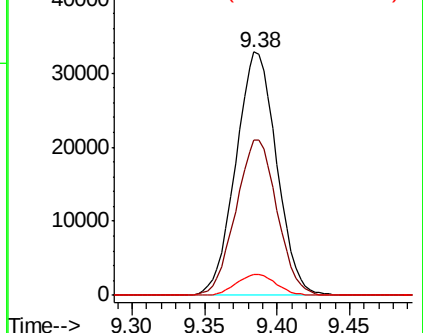
127 8.3 6.8 10.2



Abundance Ion 82.90 (82.60 to 83.60): VN060301.D (-2275) (-)

Ion 84.90 (84.60 to 85.60): VN060301.D (-2275) (-)

Ion 126.80 (126.50 to 127.50): VN060301.D (-2275) (-)



#48

Methyl methacrylate

Concen: 18.106 ug/l

RT: 9.18 min Scan# 2303

Delta R.T. -0.00 min

Lab File: VN060301.D

Acq: 2 Mar 2020 11:02

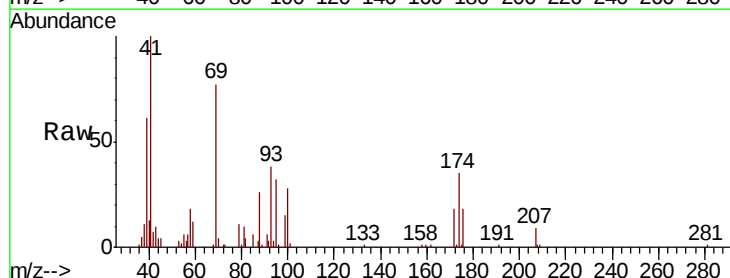
Tgt Ion: 41 Resp: 46123

Ion Ratio Lower Upper

41 100

69 81.6 66.7 100.1

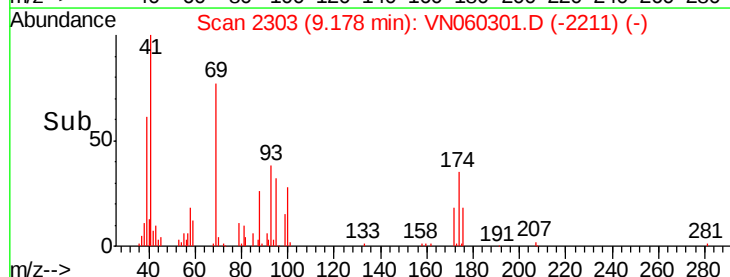
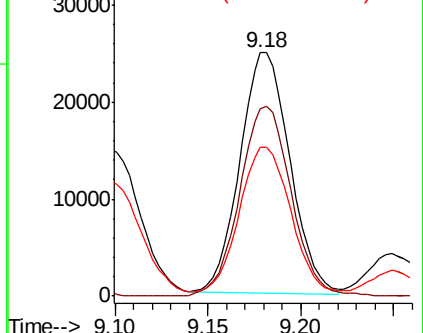
39 65.4 50.1 75.1

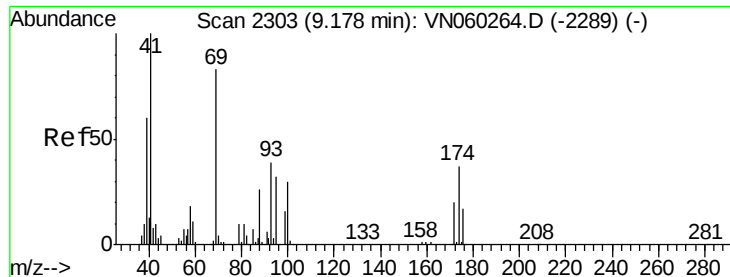


Abundance Ion 41.00 (40.70 to 41.70): VN060301.D (-2211) (-)

Ion 69.00 (68.70 to 69.70): VN060301.D (-2211) (-)

Ion 39.00 (38.70 to 39.70): VN060301.D (-2211) (-)

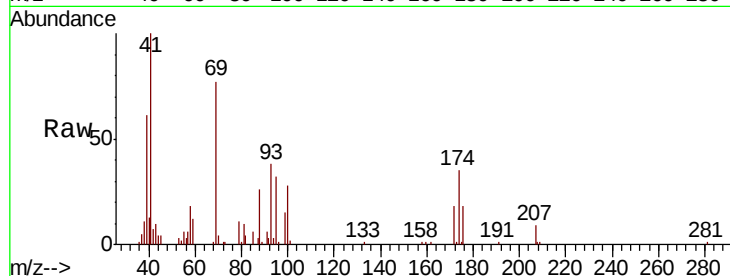




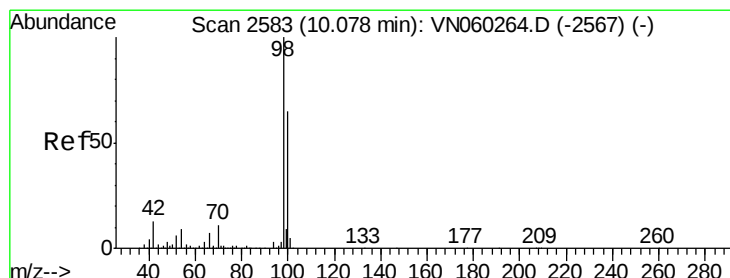
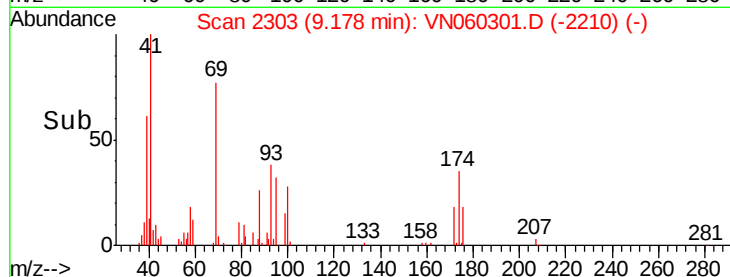
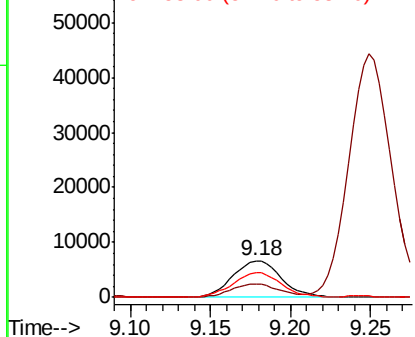
#49
1,4-Dioxane
Concen: 382.551 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN060301.D
Acq: 2 Mar 2020 11:02

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 88 Resp: 13704
Ion Ratio Lower Upper
88 100
43 36.0 30.4 45.6
58 67.7 57.0 85.6

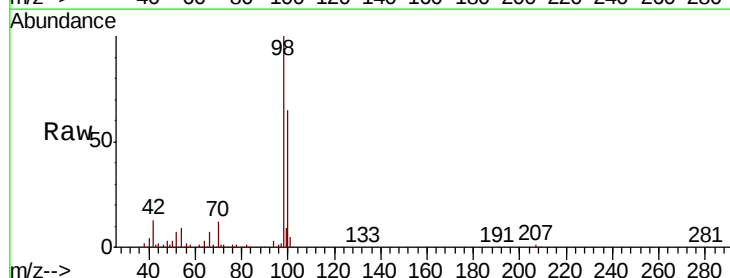


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

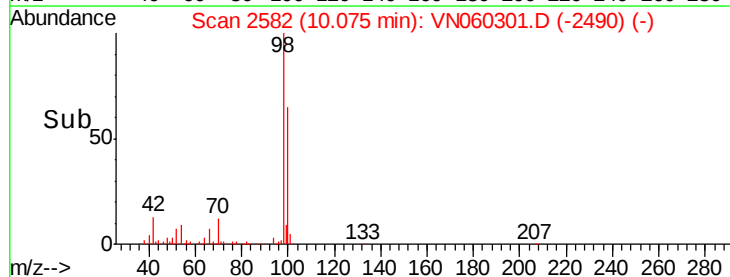
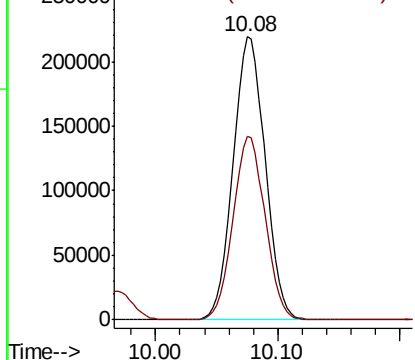


#50
Toluene-d8
Concen: 48.047 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060301.D
Acq: 2 Mar 2020 11:02

Tgt Ion: 98 Resp: 399107
Ion Ratio Lower Upper
98 100
100 64.9 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: 93.376 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060301.D

Acq: 2 Mar 2020 11:02

Instrument :

MSVOA_N

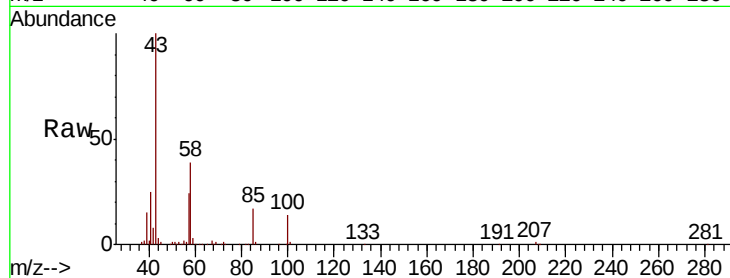
ClientSampleId :

Tot Ion: 43 Resp: 295744

Ion Ratio Lower Upper

43 100

58 38.5 30.9 46.3



Abundance Ion 43.00 (42.70 to 43.70): VN060264.D (-2531) (-)

Ion 58.00 (57.70 to 58.70): VN060264.D (-2531) (-)

9.97

150000

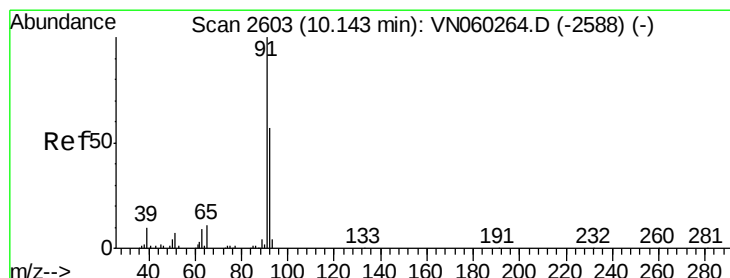
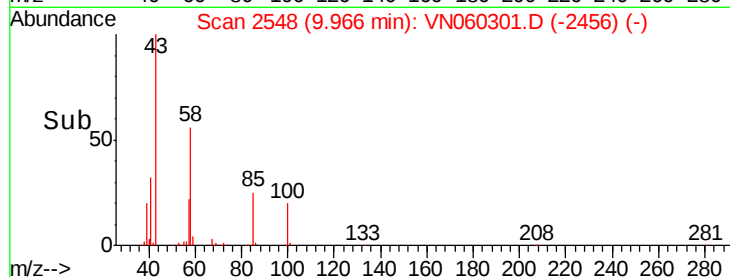
100000

50000

0

Time-->

9.90 9.95 10.00



#52

Toluene

Concen: 18.624 ug/l

RT: 10.14 min Scan# 2602

Delta R.T. -0.00 min

Lab File: VN060301.D

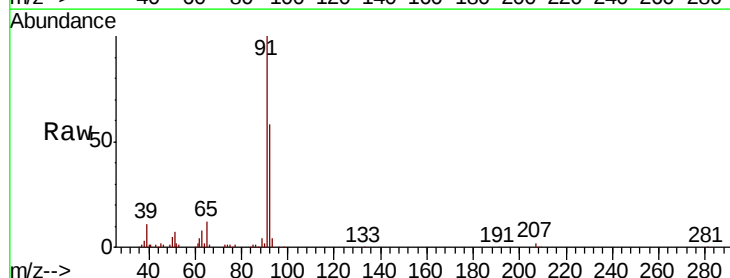
Acq: 2 Mar 2020 11:02

Tgt Ion: 92 Resp: 114743

Ion Ratio Lower Upper

92 100

91 172.3 138.1 207.1



Abundance Ion 92.00 (91.70 to 92.70): VN060264.D (-2588) (-)

Ion 91.00 (90.70 to 91.70): VN060264.D (-2588) (-)

10.14

120000

100000

80000

60000

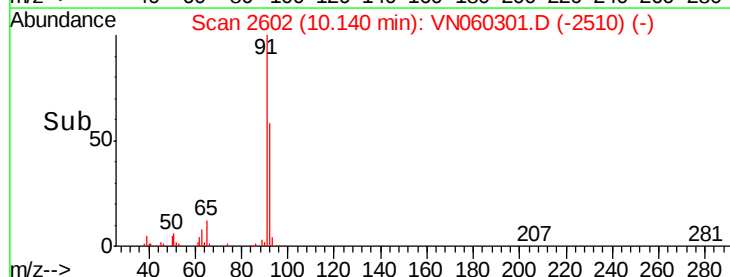
40000

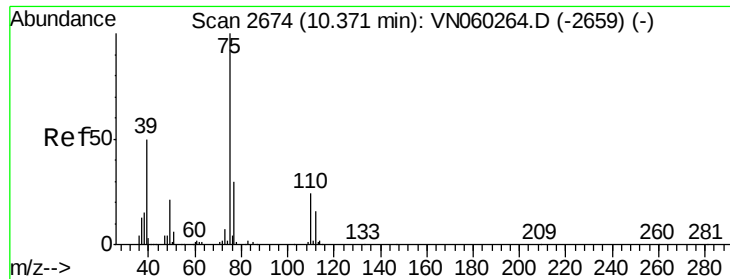
20000

0

Time-->

10.05 10.10 10.15 10.20





#53

t-1,3-Dichloropropene

Concen: 18.218 ug/l

RT: 10.37 min Scan# 2673

Delta R.T. -0.00 min

Lab File: VN060301.D

Acq: 2 Mar 2020 11:02

Instrument :

MSVOA_N

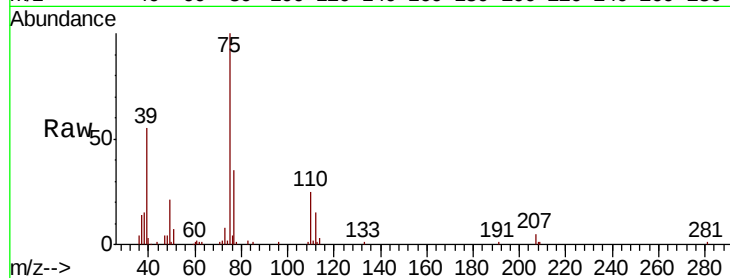
ClientSampleId :

Tot Ion: 75 Resp: 75546

Ion Ratio Lower Upper

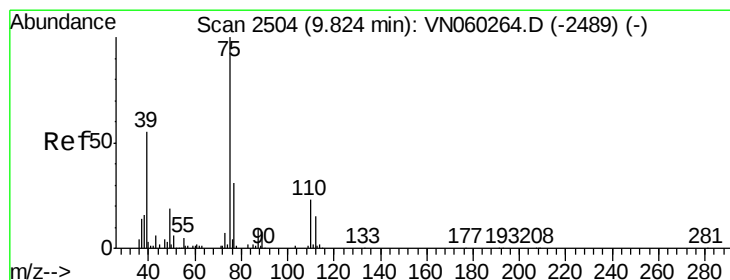
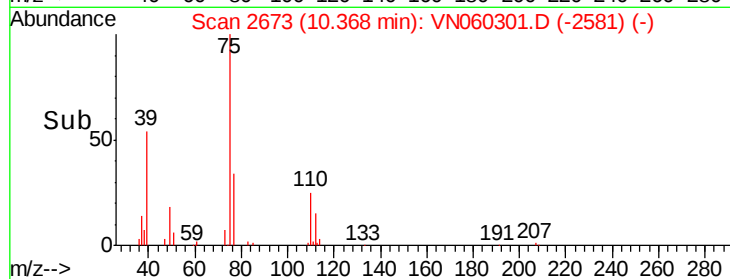
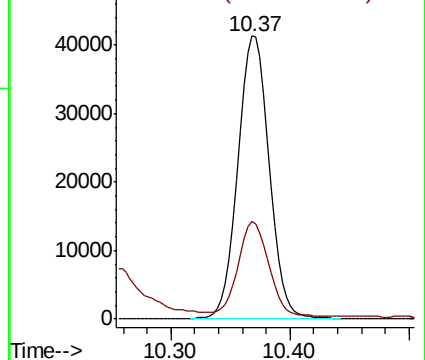
75 100

77 33.4 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: 19.048 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN060301.D

Acq: 2 Mar 2020 11:02

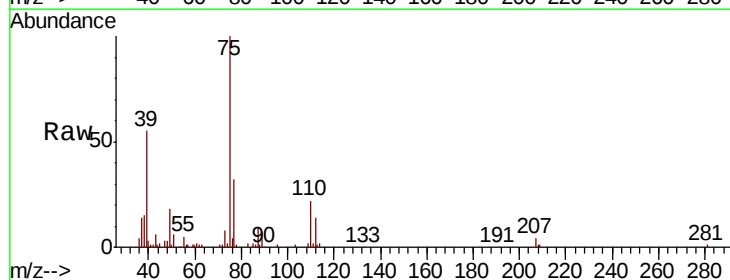
Tgt Ion: 75 Resp: 81849

Ion Ratio Lower Upper

75 100

77 31.7 24.8 37.2

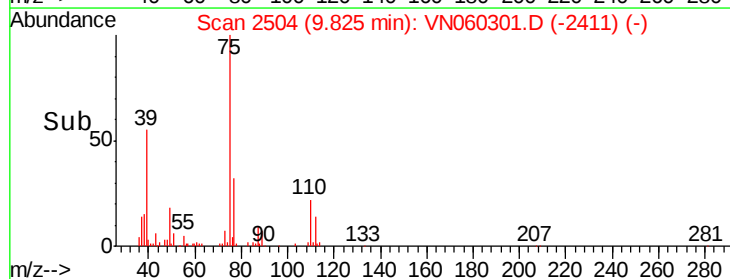
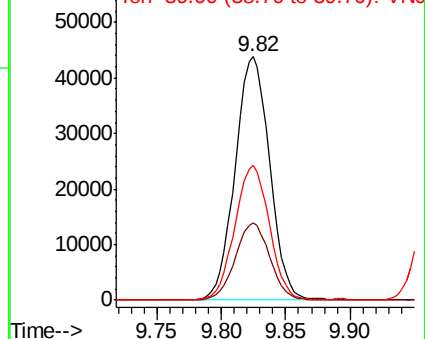
39 55.2 43.8 65.8

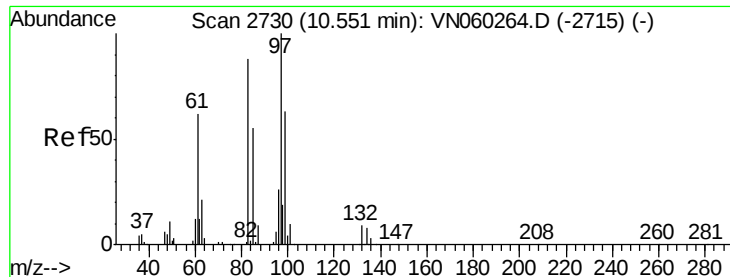


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 18.263 ug/l

RT: 10.55 min Scan# 2729

Delta R.T. -0.00 min

Lab File: VN060301.D

Acq: 2 Mar 2020 11:02

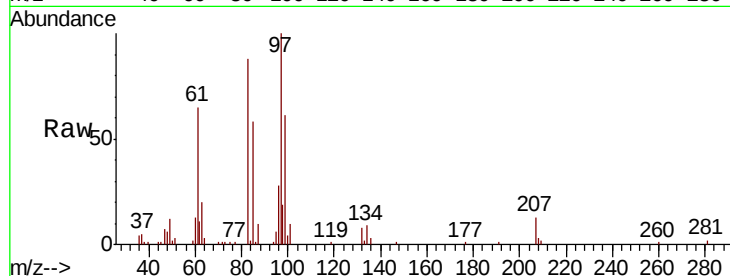
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 45250

Ion	Ratio	Lower	Upper
97	100		
83	88.0	70.0	105.0
85	57.7	44.0	66.0
99	61.0	50.4	75.6



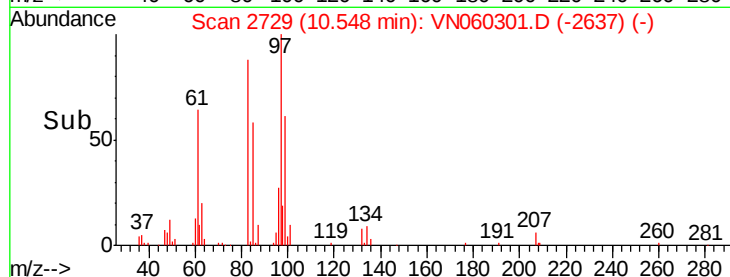
Abundance

Ion 96.90 (96.60 to 97.60): VN0

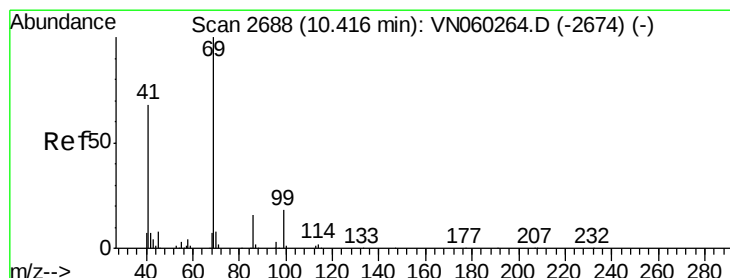
Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



Time-->



#56

Ethyl methacrylate

Concen: 18.687 ug/l

RT: 10.42 min Scan# 2688

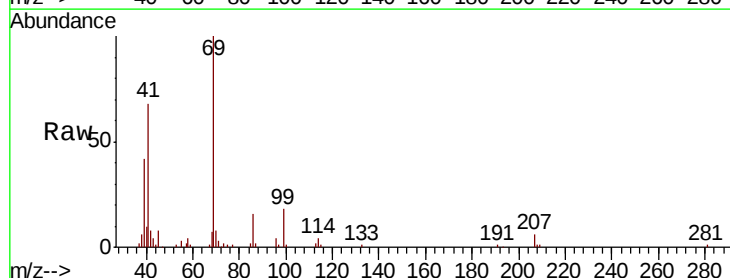
Delta R.T. 0.00 min

Lab File: VN060301.D

Acq: 2 Mar 2020 11:02

Tgt Ion: 69 Resp: 66518

Ion	Ratio	Lower	Upper
69	100		
41	69.7	54.1	81.1
39	42.2	32.5	48.7

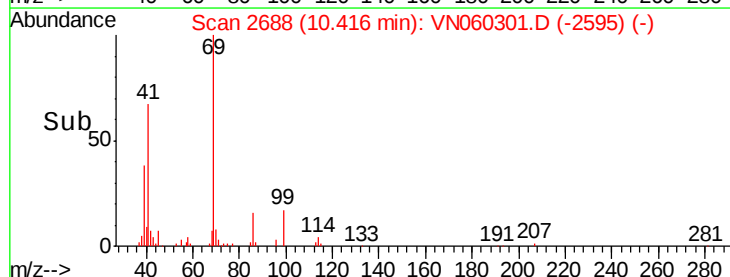


Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



Time-->



#57

1,3-Dichloropropane

Concen: 19.321 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN060301.D

Acq: 2 Mar 2020 11:02

Instrument :

MSVOA_N

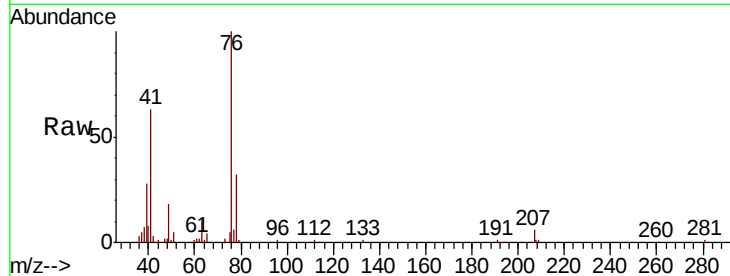
ClientSampleId :

Tot Ion: 76 Resp: 78070

Ion Ratio Lower Upper

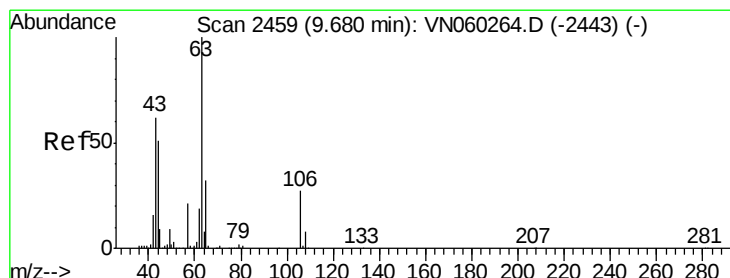
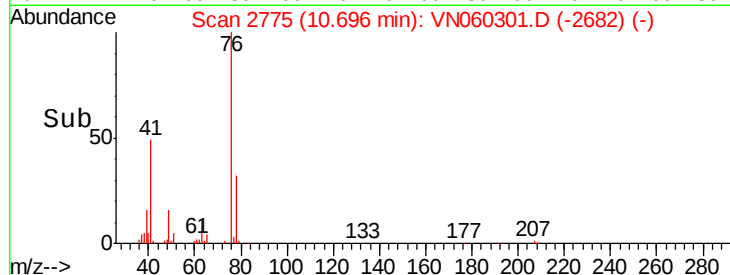
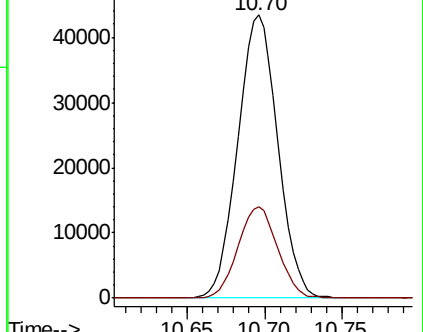
76 100

78 31.9 26.2 39.2



Abundance Ion 75.90 (75.60 to 76.60): VN060301.D (-2682) (-)

Ion 77.90 (77.60 to 78.60): VN060301.D (-2682) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 93.628 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN060301.D

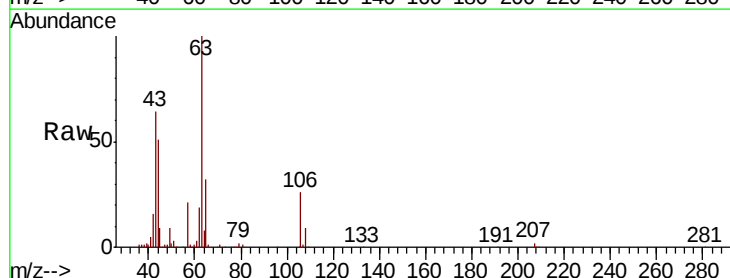
Acq: 2 Mar 2020 11:02

Tgt Ion: 63 Resp: 174304

Ion Ratio Lower Upper

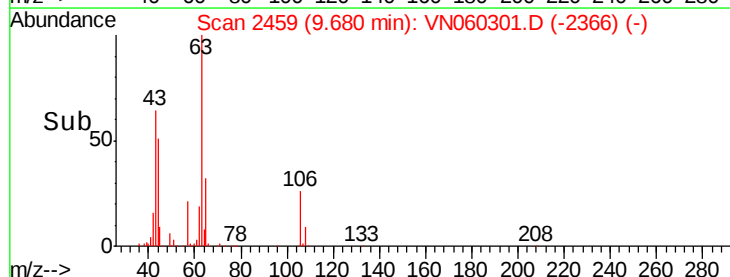
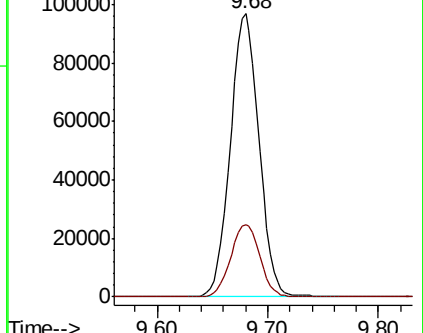
63 100

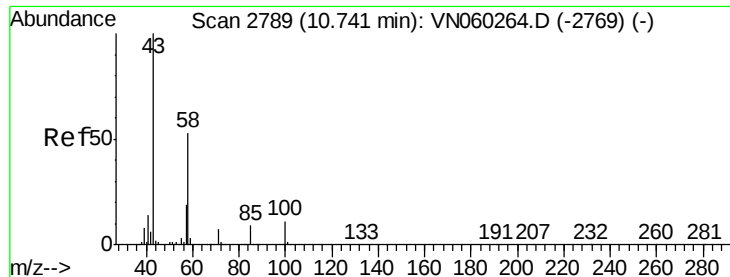
106 26.0 21.1 31.7



Abundance Ion 62.90 (62.60 to 63.60): VN060301.D (-2366) (-)

Ion 105.90 (105.60 to 106.60): VN060301.D (-2366) (-)

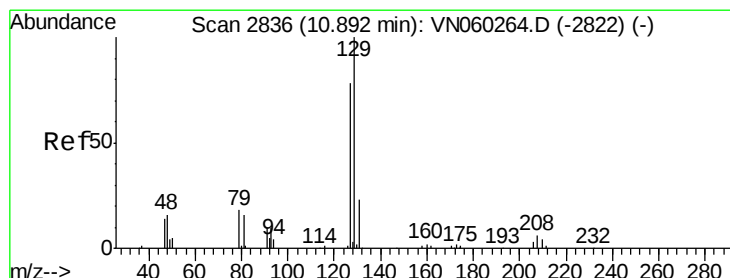
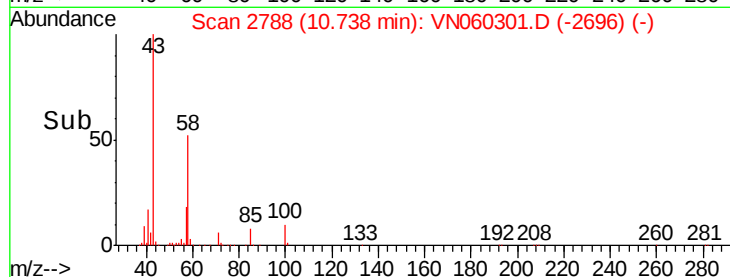
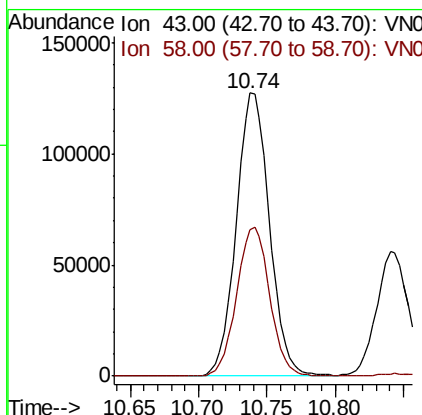
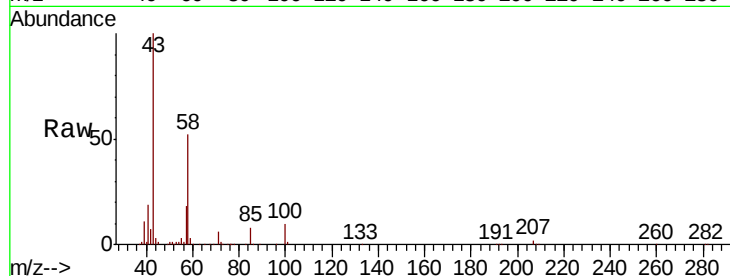




#59
2-Hexanone
Concen: 92.530 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. -0.00 min
Lab File: VN060301.D
Acq: 2 Mar 2020 11:02

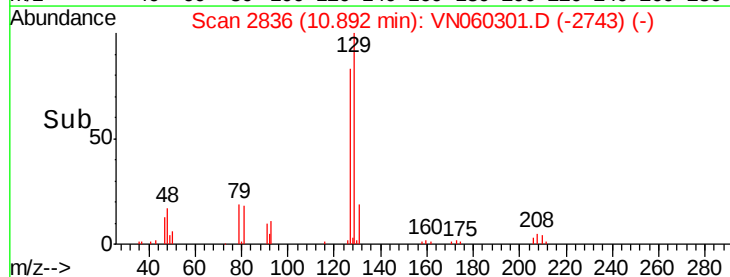
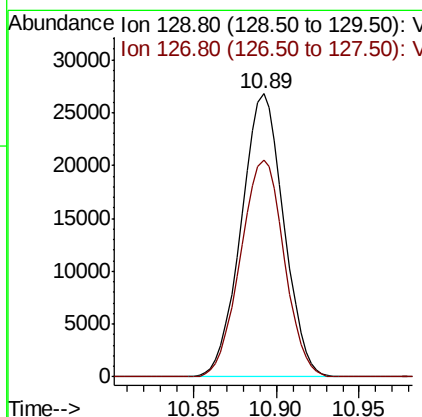
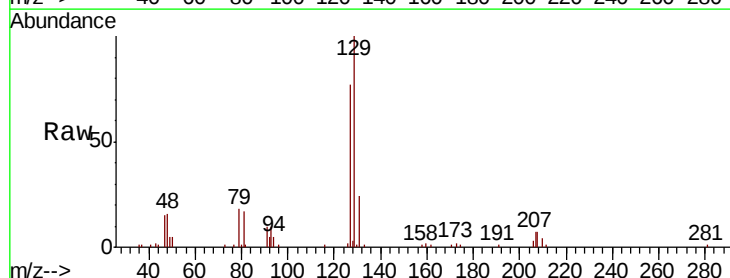
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 215174
Ion Ratio Lower Upper
43 100
58 52.4 26.5 79.5



#60
Dibromochloromethane
Concen: 18.931 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060301.D
Acq: 2 Mar 2020 11:02

Tgt Ion: 129 Resp: 47700
Ion Ratio Lower Upper
129 100
127 78.7 38.9 116.7





#61

1,2-Dibromoethane

Concen: 18.799 ug/l

RT: 10.99 min Scan# 2868

Delta R.T. -0.00 min

Lab File: VN060301.D

Acq: 2 Mar 2020 11:02

Instrument :

MSVOA_N

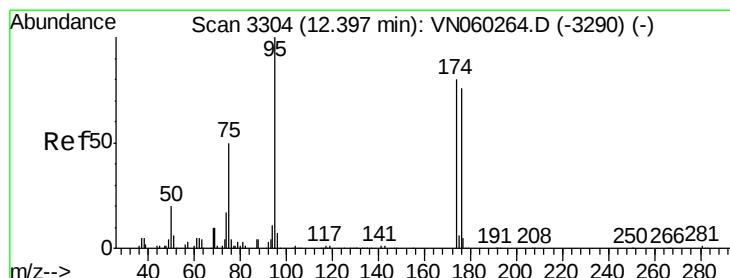
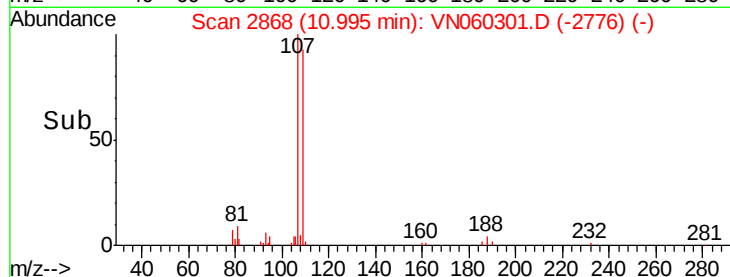
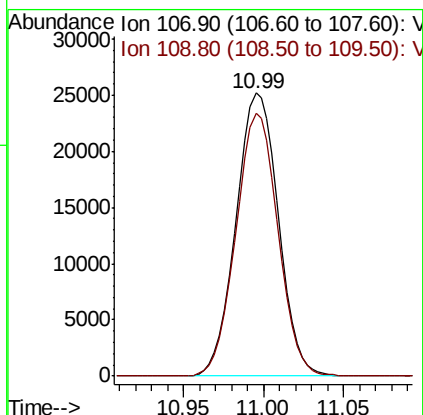
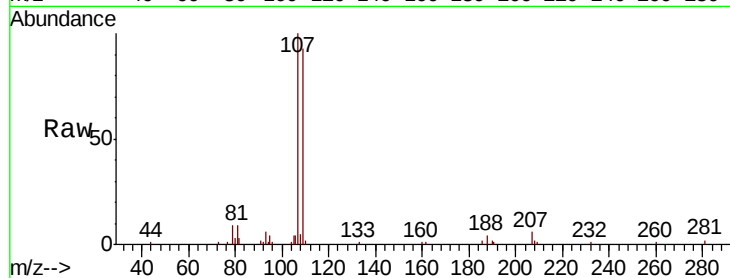
ClientSampled :

Tot Ion: 107 Resp: 45406

Ion Ratio Lower Upper

107 100

109 92.3 76.8 115.2



#62

4-Bromofluorobenzene

Concen: 46.923 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060301.D

Acq: 2 Mar 2020 11:02

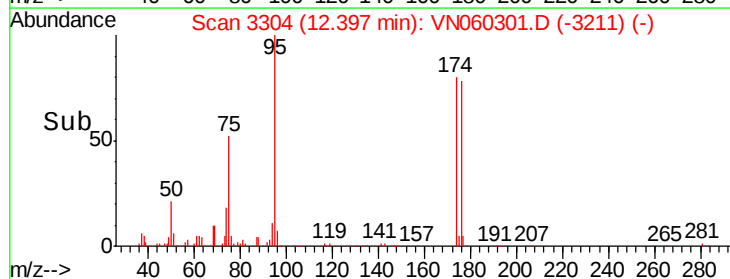
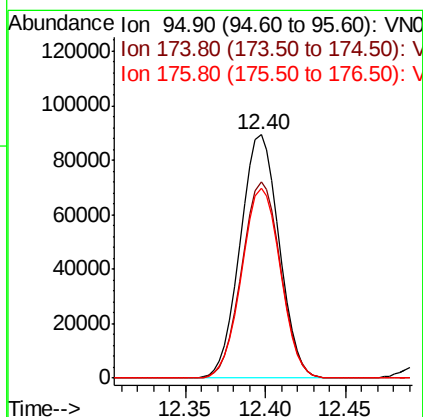
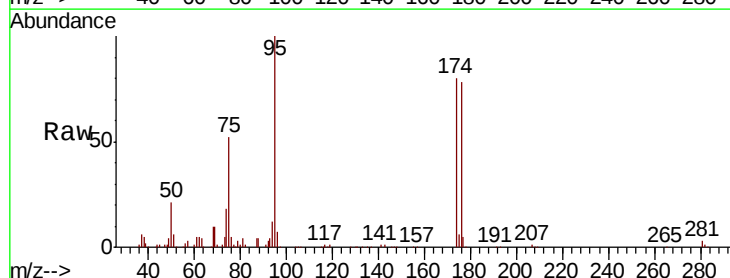
Tgt Ion: 95 Resp: 147751

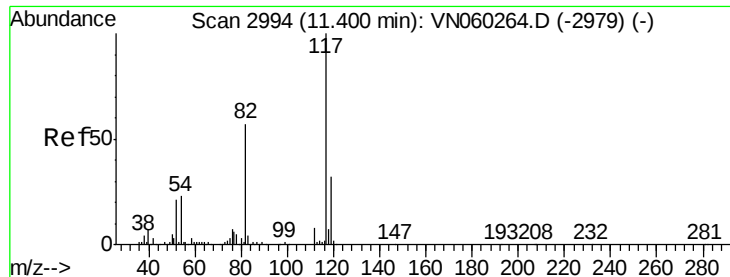
Ion Ratio Lower Upper

95 100

174 80.7 0.0 159.2

176 78.1 0.0 153.8

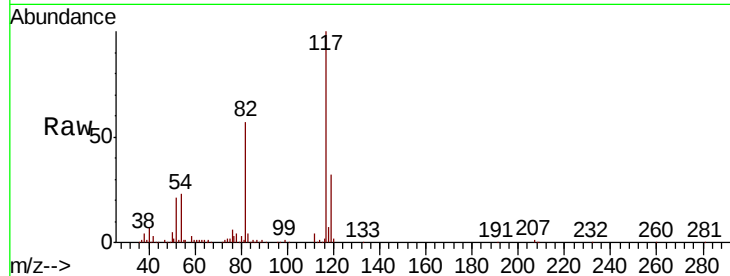




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060301.D
Acq: 2 Mar 2020 11:02

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.2	45.8	68.6
119	31.7	25.8	38.8

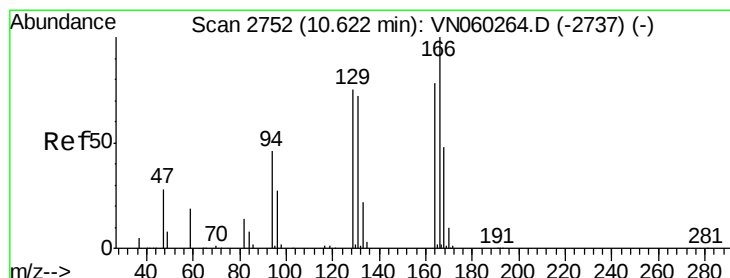
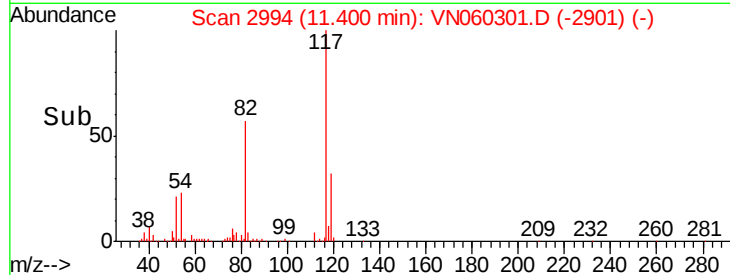
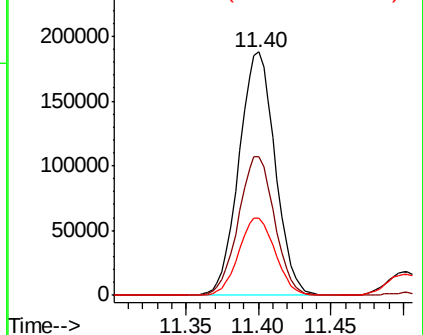


Abundance

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: 20.139 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VN060301.D
Acq: 2 Mar 2020 11:02

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.7	102.0	153.0
129	93.1	76.4	114.6
131	91.0	73.6	110.4

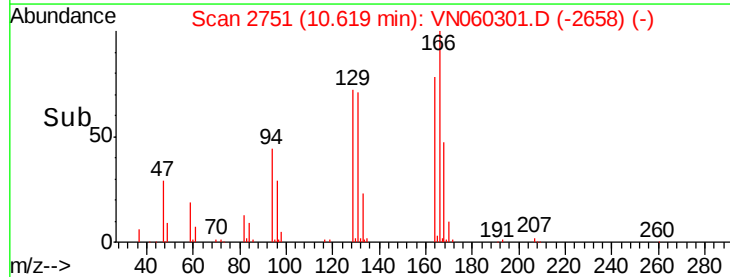
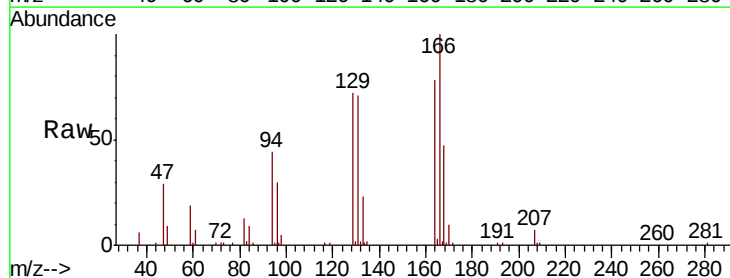
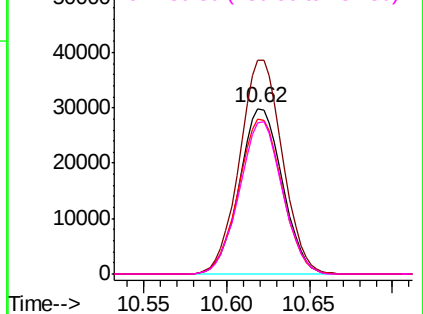
Abundance

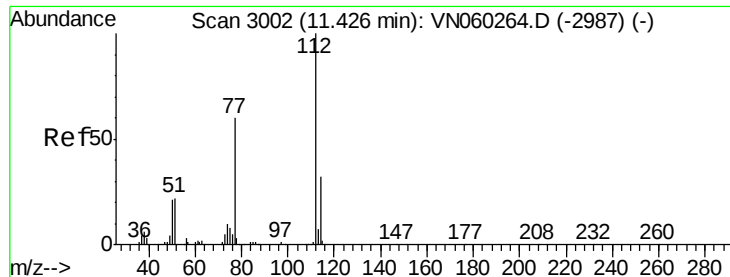
Ion 163.80 (163.50 to 164.50): V

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

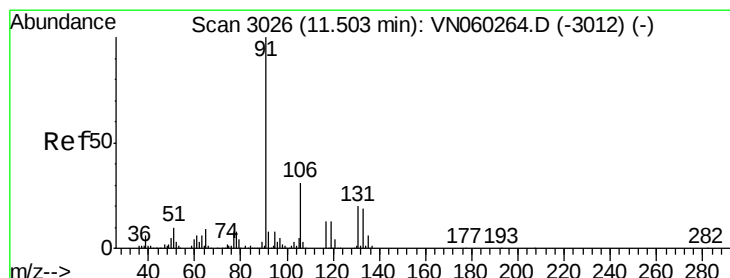
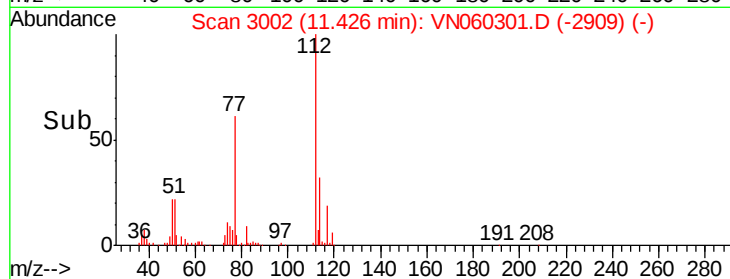
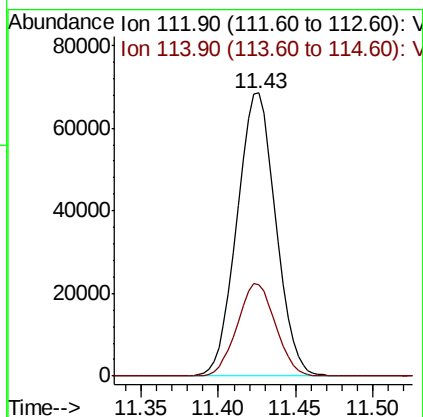
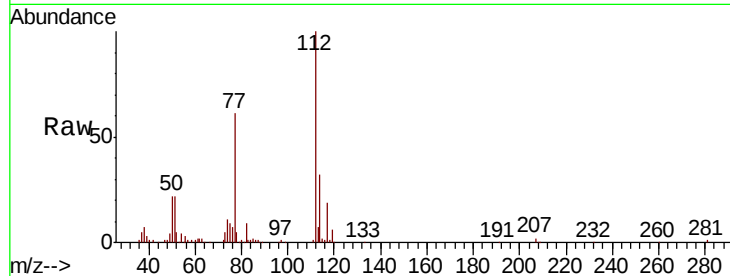




#65
Chlorobenzene
Concen: 18.137 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN060301.D
Acq: 2 Mar 2020 11:02

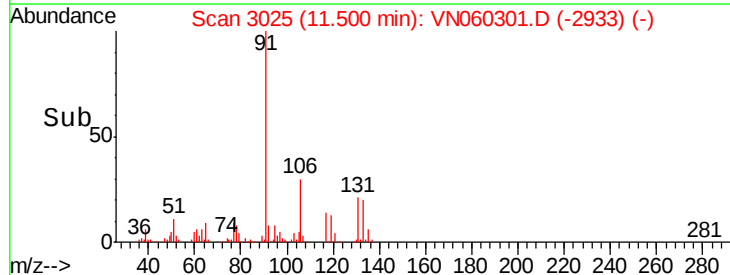
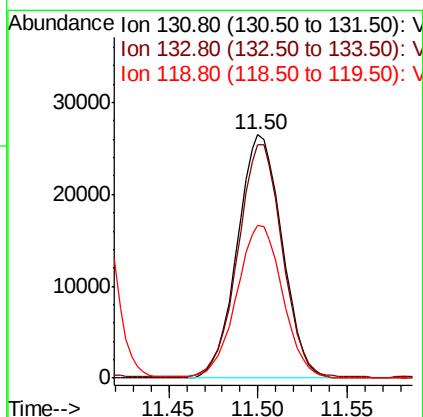
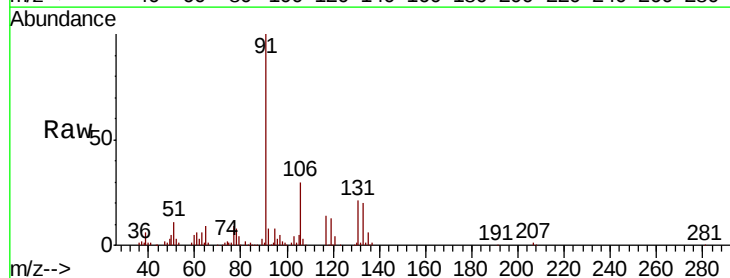
Instrument :
MSVOA_N
ClientSampled :

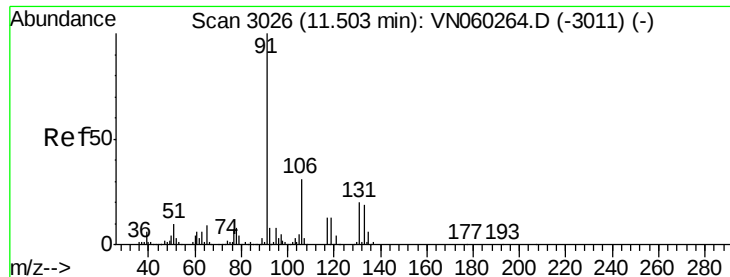
Tot Ion:112 Resp: 119436
Ion Ratio Lower Upper
112 100
114 32.5 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 18.949 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN060301.D
Acq: 2 Mar 2020 11:02

Tgt Ion:131 Resp: 46140
Ion Ratio Lower Upper
131 100
133 97.0 47.7 143.1
119 64.7 33.2 99.6





#67

Ethyl Benzene

Concen: 18.682 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN060301.D

Acq: 2 Mar 2020 11:02

Instrument :

MSVOA_N

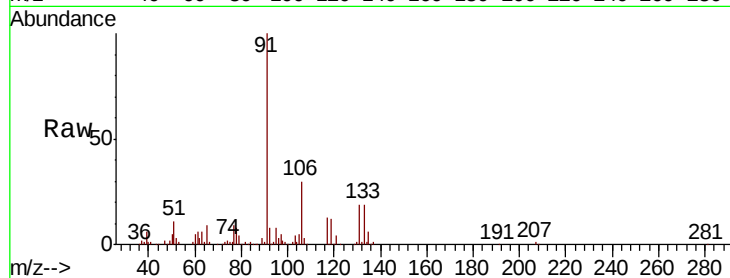
ClientSampleId :

Tot Ion: 91 Resp: 224047

Ion Ratio Lower Upper

91 100

106 30.4 24.7 37.1



Abundance Ion 91.00 (90.70 to 91.70): VN060301.D (-2933) (-)

Ion 106.00 (105.70 to 106.70): VN060301.D (-2933) (-)

11.50

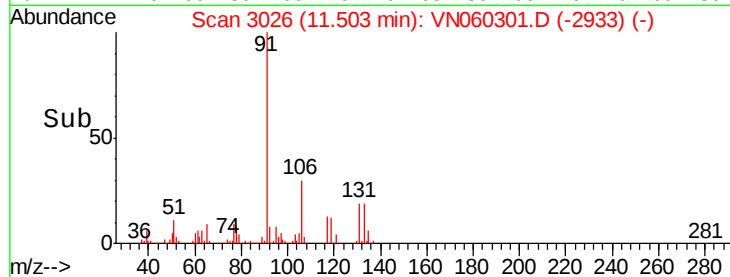
150000

100000

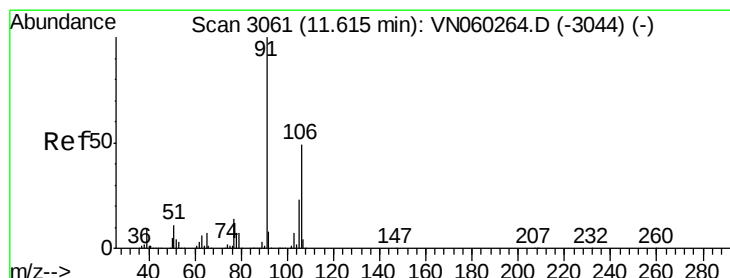
50000

0

Time-->



Time-->



#68

m/p-Xylenes

Concen: 36.676 ug/l

RT: 11.61 min Scan# 3060

Delta R.T. -0.00 min

Lab File: VN060301.D

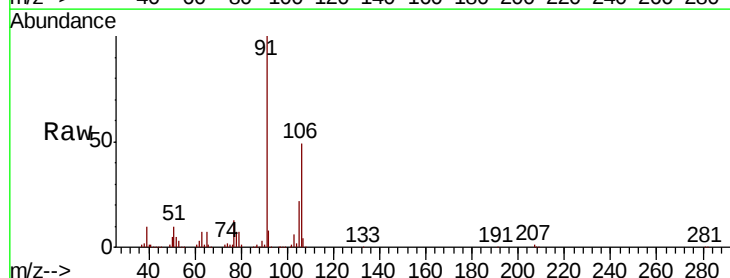
Acq: 2 Mar 2020 11:02

Tgt Ion: 106 Resp: 165945

Ion Ratio Lower Upper

106 100

91 206.8 164.5 246.7



Abundance Ion 106.00 (105.70 to 106.70): VN060301.D (-2968) (-)

Ion 91.00 (90.70 to 91.70): VN060301.D (-2968) (-)

11.61

200000

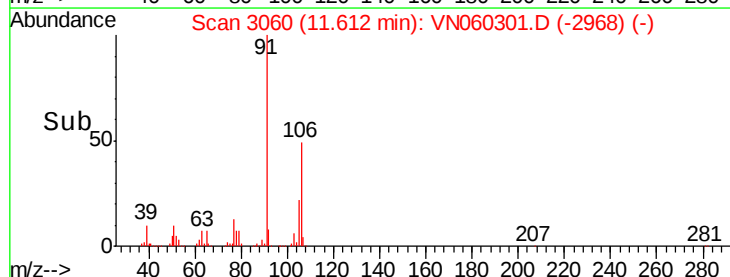
150000

100000

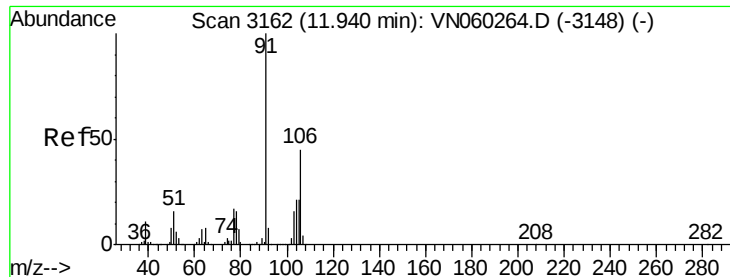
50000

0

Time-->



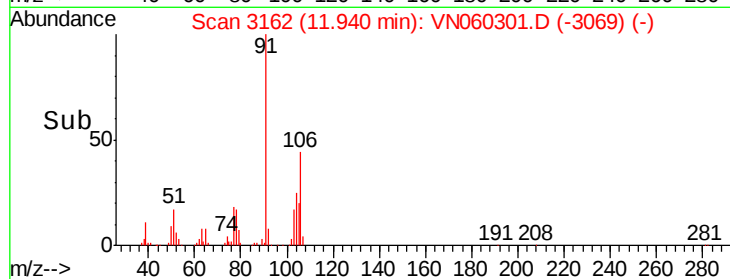
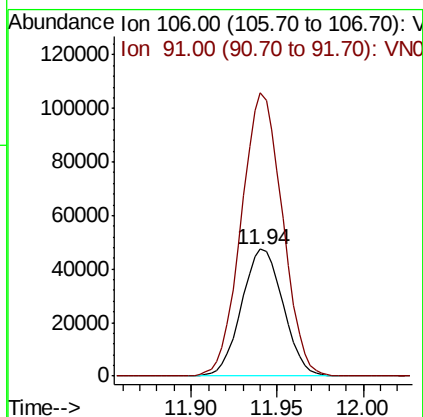
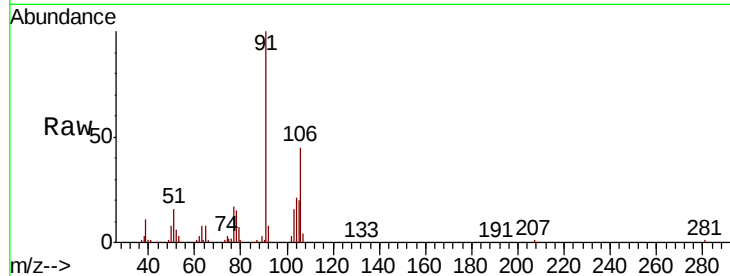
Time-->



#69
o-Xylene
Concen: 18.483 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060301.D
Acq: 2 Mar 2020 11:02

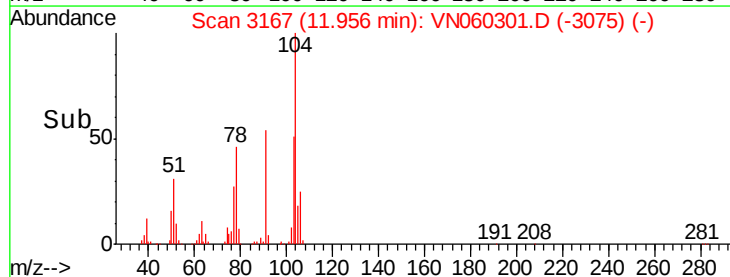
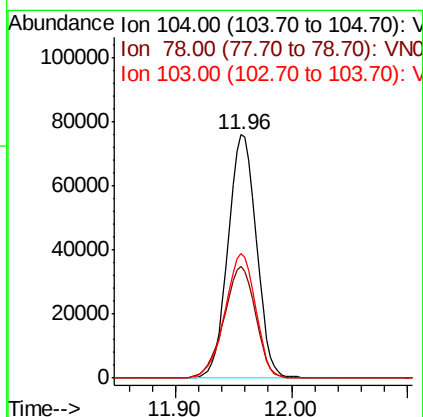
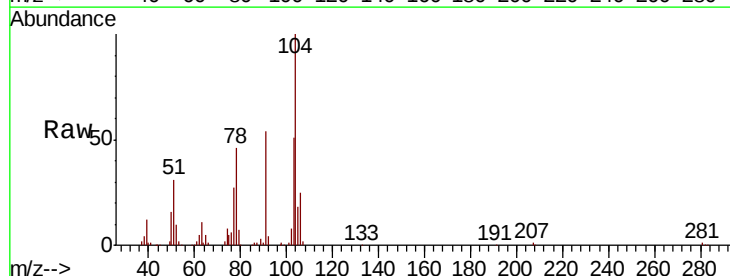
Instrument :
MSVOA_N
ClientSampled :

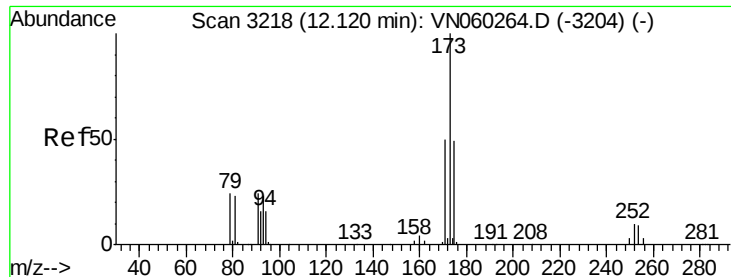
Tot Ion:106 Resp: 79747
Ion Ratio Lower Upper
106 100
91 220.5 109.5 328.4



#70
Styrene
Concen: 18.091 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060301.D
Acq: 2 Mar 2020 11:02

Tgt Ion:104 Resp: 128336
Ion Ratio Lower Upper
104 100
78 51.0 41.2 61.8
103 55.2 43.9 65.9





#71

Bromoform

Concen: 18.561 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN060301.D

Acq: 2 Mar 2020 11:02

Instrument :

MSVOA_N

ClientSampled :

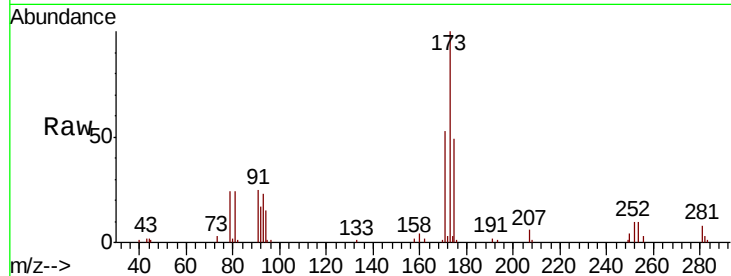
Tot Ion:173 Resp: 32571

Ion Ratio Lower Upper

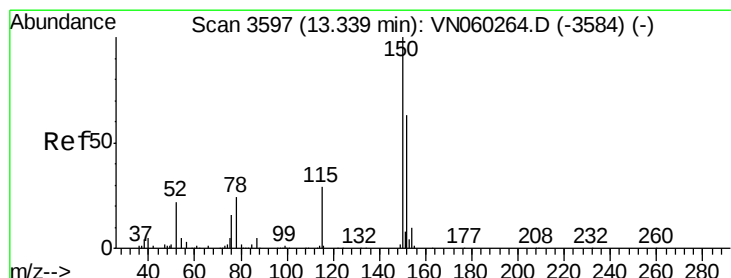
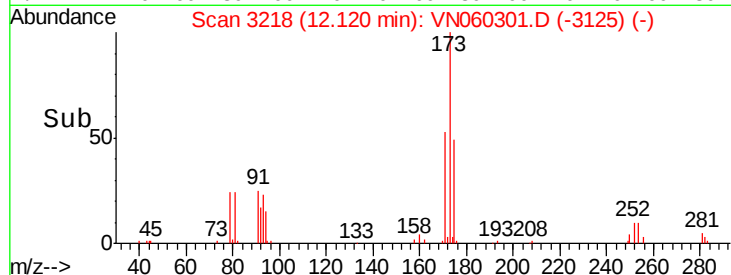
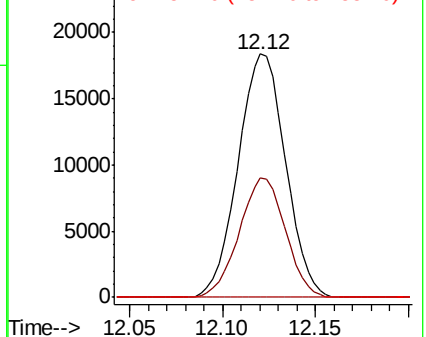
173 100

175 47.7 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: VN060301.D

Acq: 2 Mar 2020 11:02

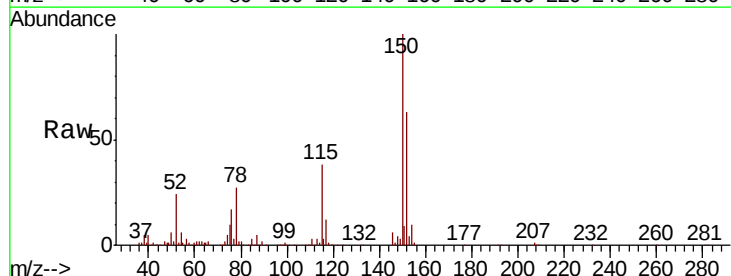
Tgt Ion:152 Resp: 156234

Ion Ratio Lower Upper

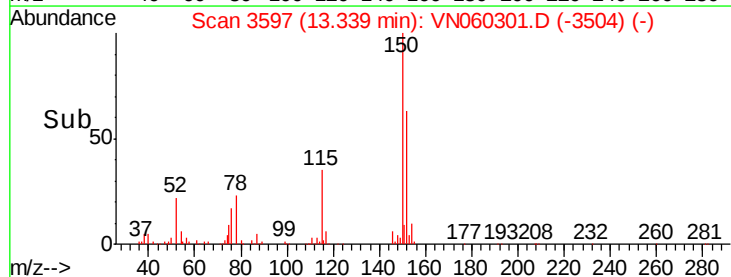
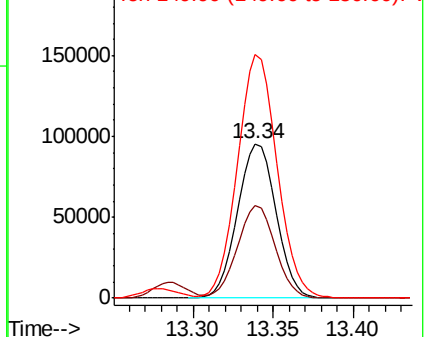
152 100

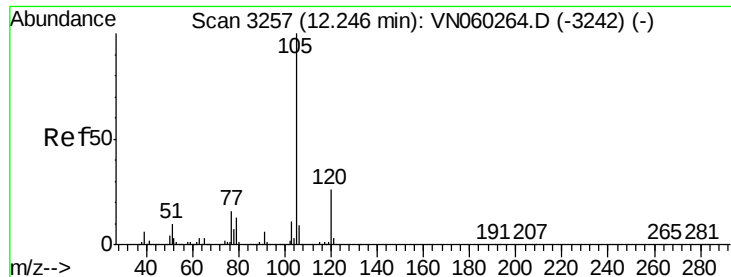
115 59.1 30.0 90.0

150 162.5 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: 18.761 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060301.D

Acq: 2 Mar 2020 11:02

Instrument :

MSVOA_N

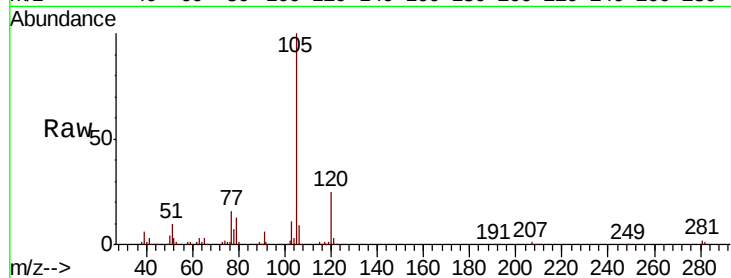
ClientSampled :

Tot Ion:105 Resp: 217252

Ion Ratio Lower Upper

105 100

120 25.7 13.0 38.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.24

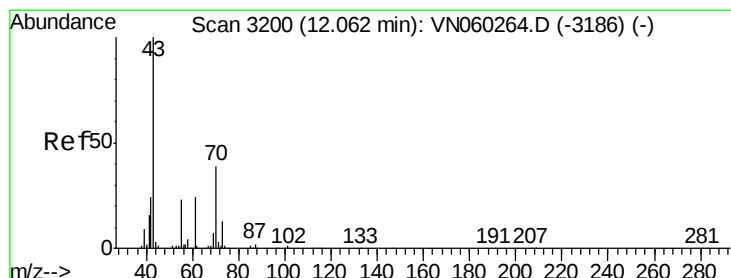
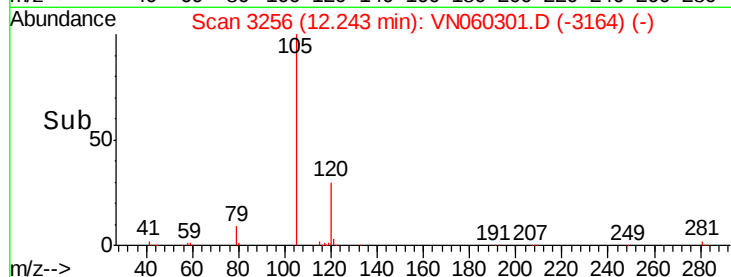
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 18.324 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN060301.D

Acq: 2 Mar 2020 11:02

Tgt Ion: 43 Resp: 92722

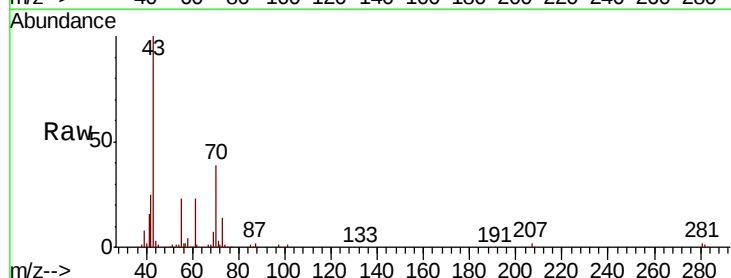
Ion Ratio Lower Upper

43 100

70 38.3 32.2 48.2

55 22.7 18.2 27.4

61 23.0 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

12.06

80000

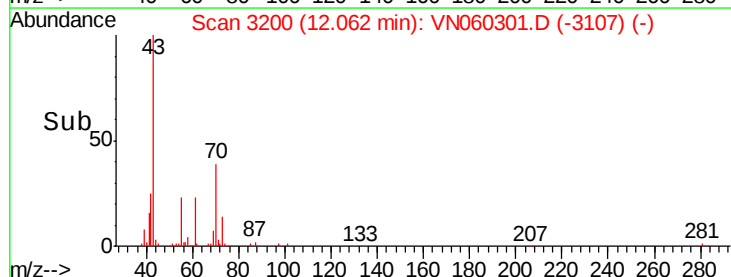
60000

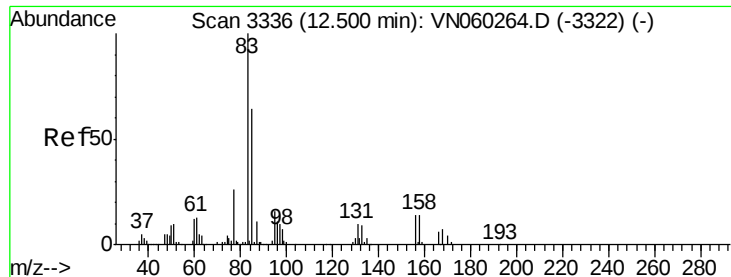
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 18.730 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060301.D

Acq: 2 Mar 2020 11:02

Instrument :

MSVOA_N

ClientSampleId :

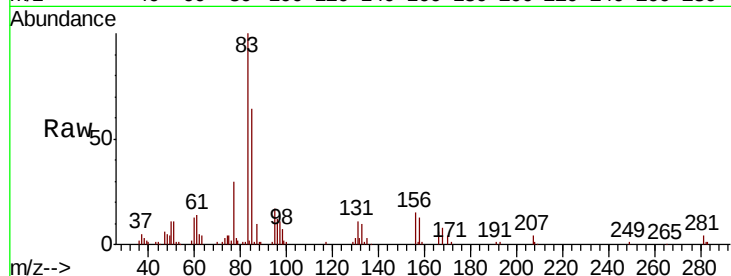
Tot Ion: 83 Resp: 58958

Ion Ratio Lower Upper

83 100

131 10.6 5.1 15.3

85 64.3 32.3 96.8

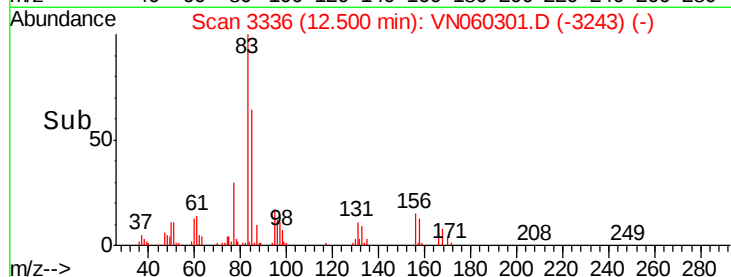


Abundance Ion 82.90 (82.60 to 83.60): VN060301.D (-3243) (-)

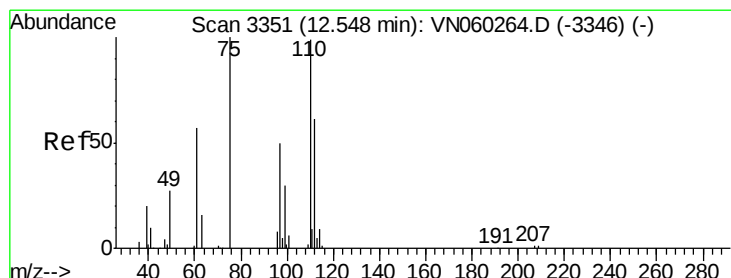
Ion 130.80 (130.50 to 131.50): VN060301.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN060301.D (-3243) (-)

Time-->



Time-->



#76

1,2,3-Trichloropropane

Concen: 24.821 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN060301.D

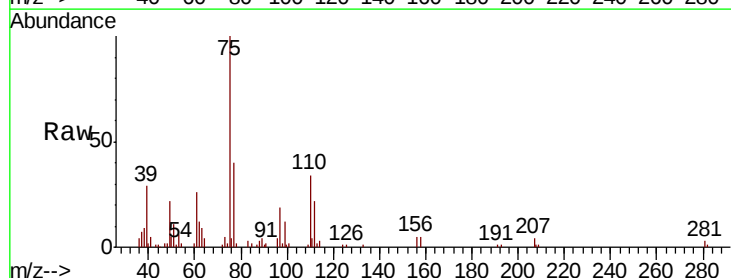
Acq: 2 Mar 2020 11:02

Tgt Ion: 75 Resp: 85080

Ion Ratio Lower Upper

75 100

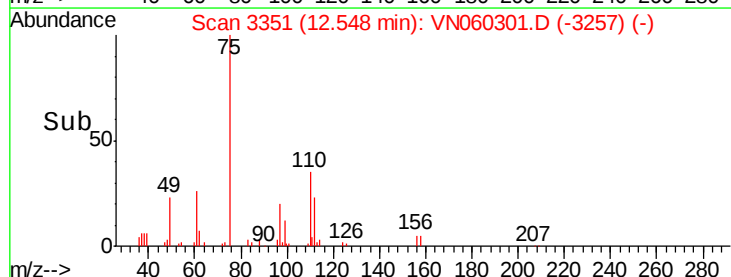
77 0.0 0.0 0.0



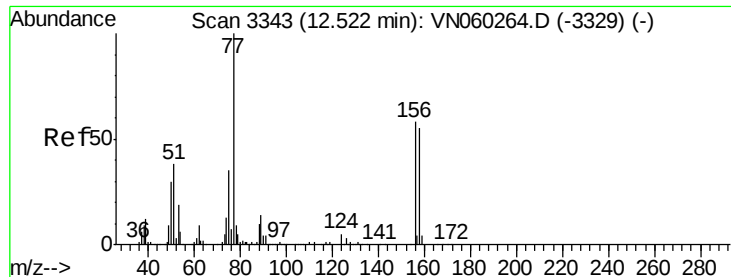
Abundance Ion 74.90 (74.60 to 75.60): VN060301.D (-3257) (-)

Ion 77.00 (76.70 to 77.70): VN060301.D (-3257) (-)

Time-->



Time-->



#77

Bromobenzene

Concen: 18.219 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN060301.D

Acq: 2 Mar 2020 11:02

Instrument :

MSVOA_N

ClientSampled :

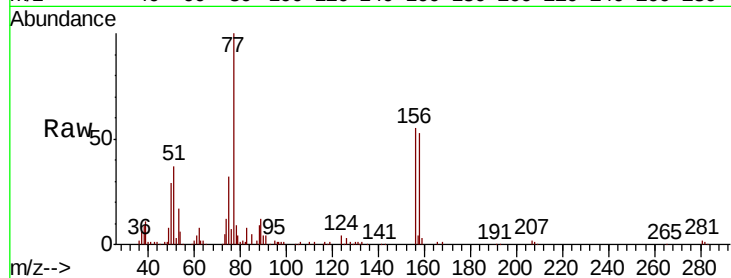
Tot Ion:156 Resp: 51716

Ion Ratio Lower Upper

156 100

77 216.5 106.1 318.3

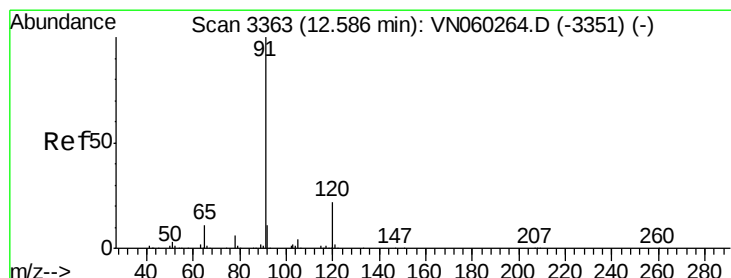
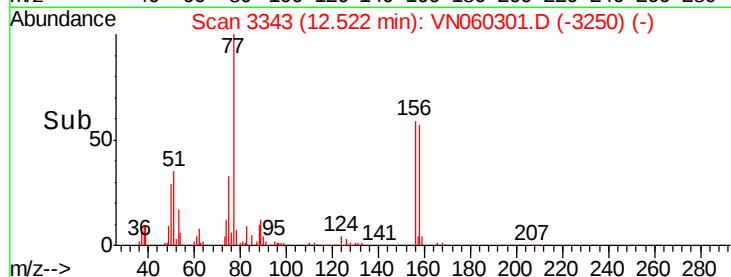
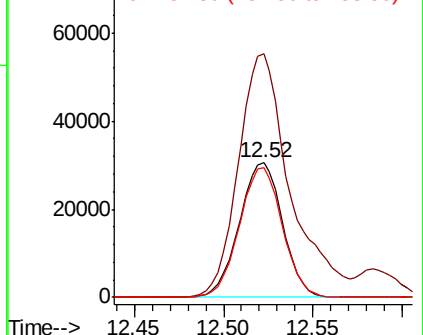
158 95.4 48.3 144.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.580 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060301.D

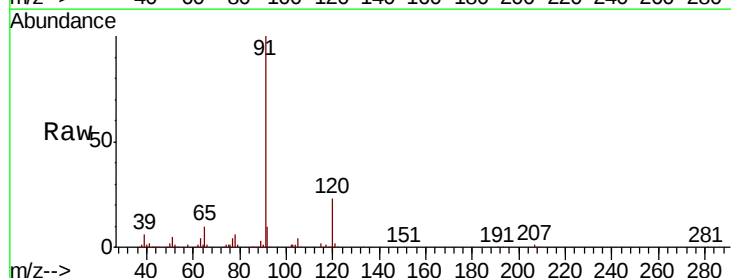
Acq: 2 Mar 2020 11:02

Tgt Ion: 91 Resp: 252205

Ion Ratio Lower Upper

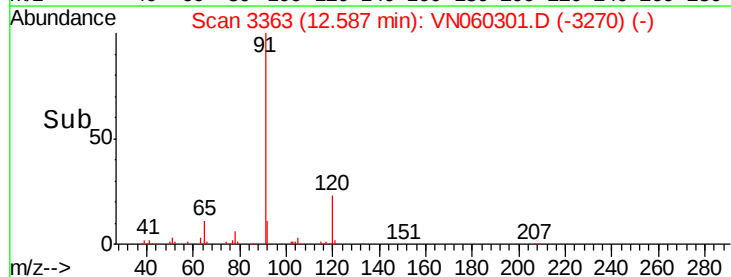
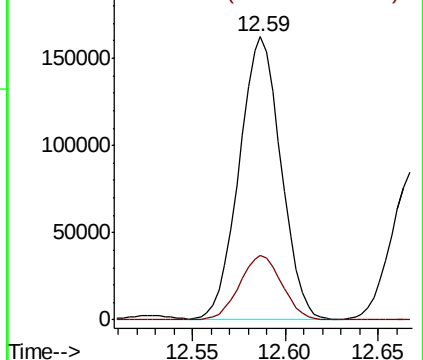
91 100

120 23.0 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V

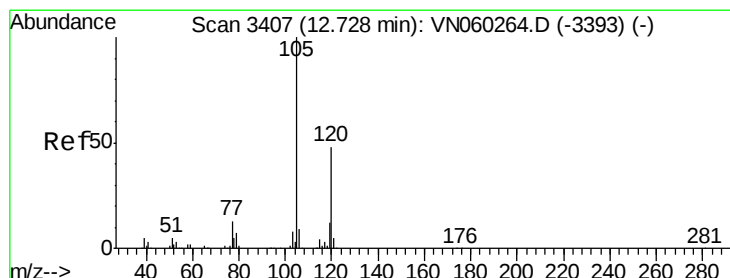
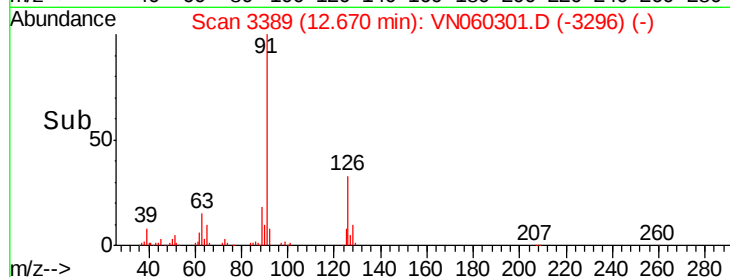
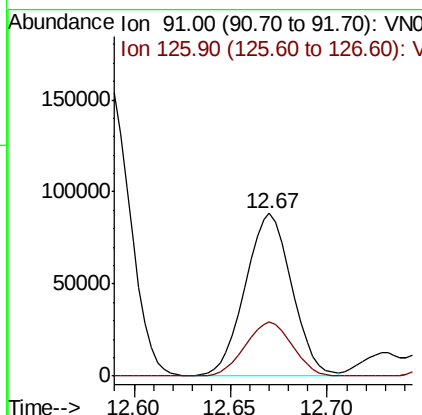
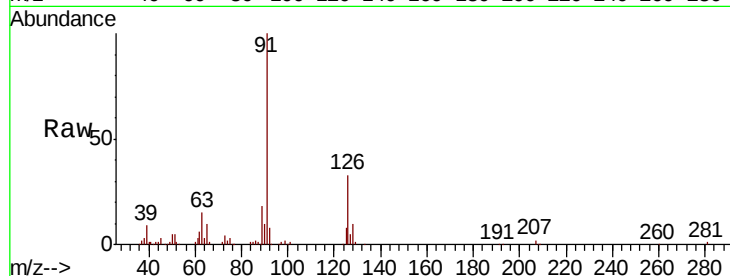




#79
 2-Chlorotoluene
 Concen: 18.474 ug/l
 RT: 12.67 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VN060301.D
 Acq: 2 Mar 2020 11:02

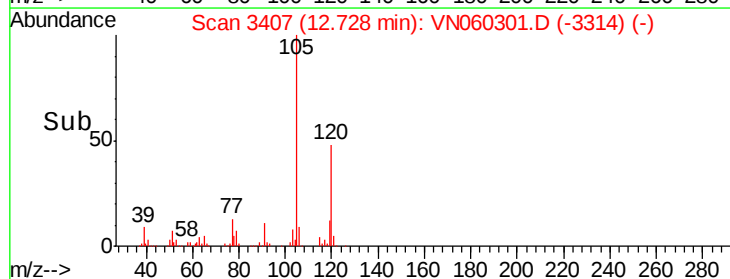
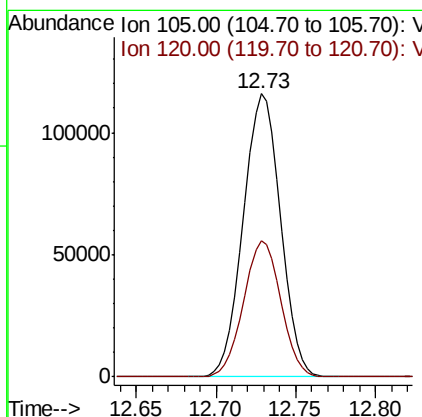
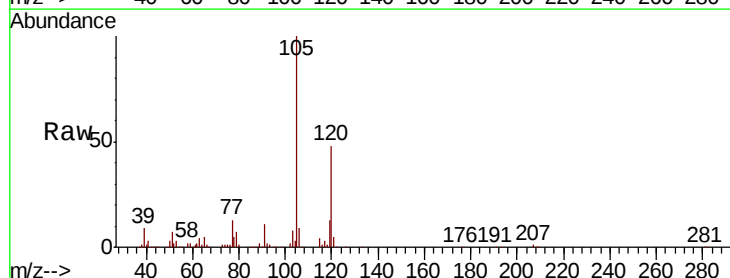
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 91 Resp: 147403
 Ion Ratio Lower Upper
 91 100
 126 33.7 16.6 49.8



#80
 1,3,5-Trimethylbenzene
 Concen: 18.899 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. 0.00 min
 Lab File: VN060301.D
 Acq: 2 Mar 2020 11:02

Tgt Ion: 105 Resp: 184256
 Ion Ratio Lower Upper
 105 100
 120 48.0 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 18.329 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VN060301.D

Acq: 2 Mar 2020 11:02

Instrument :

MSVOA_N

ClientSampleId :

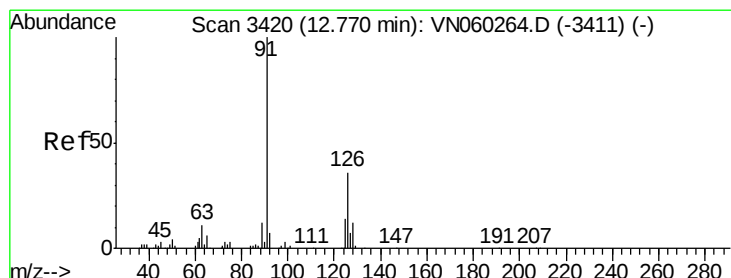
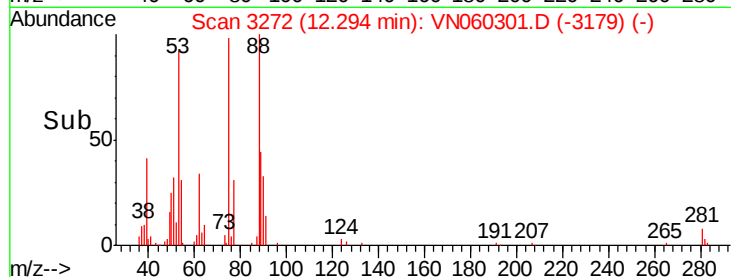
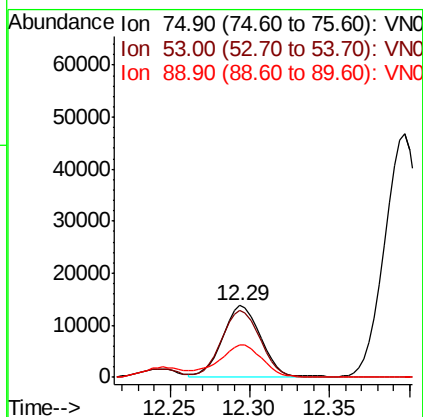
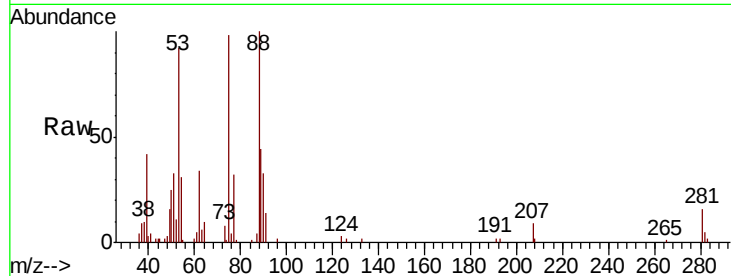
Tot Ion: 75 Resp: 22760

Ion Ratio Lower Upper

75 100

53 93.4 73.8 110.6

89 50.1 57.1 85.7#



#82

4-Chlorotoluene

Concen: 18.117 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN060301.D

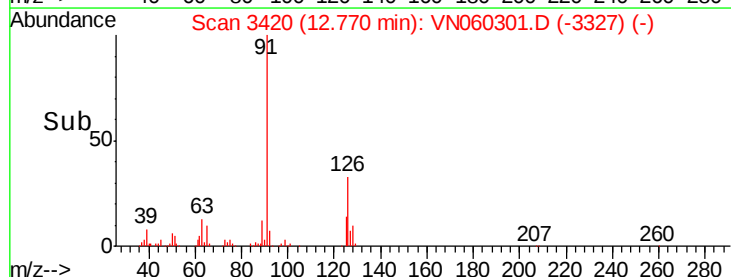
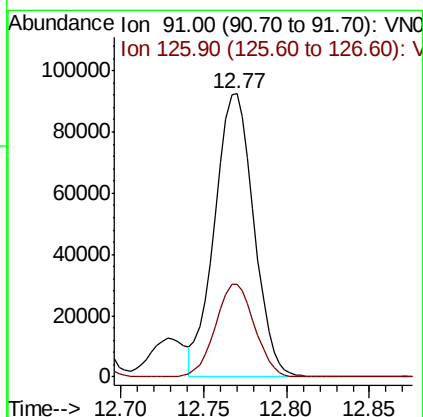
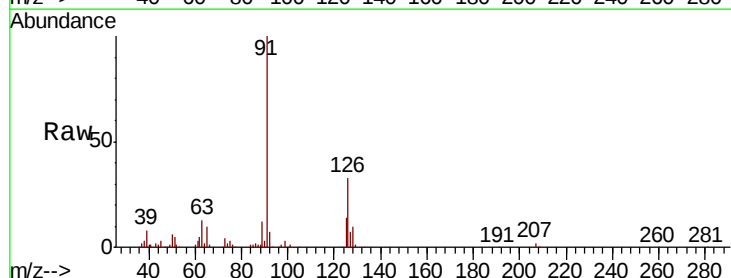
Acq: 2 Mar 2020 11:02

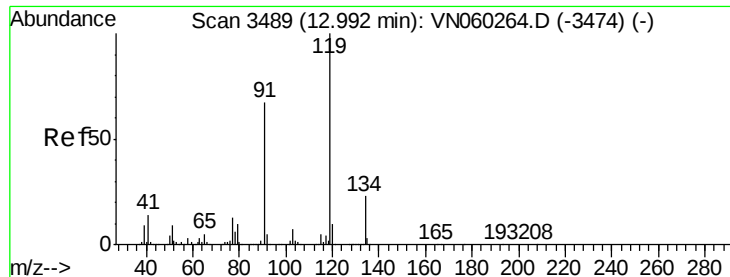
Tgt Ion: 91 Resp: 152300

Ion Ratio Lower Upper

91 100

126 32.6 16.7 50.1





#83

tert-Butylbenzene

Concen: 18.362 ug/l

RT: 12.99 min Scan# 3488

Delta R.T. -0.00 min

Lab File: VN060301.D

Acq: 2 Mar 2020 11:02

Instrument :

MSVOA_N

ClientSampled :

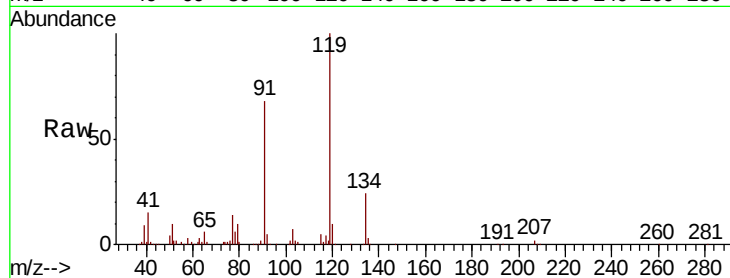
Tot Ion:119 Resp: 155003

Ion Ratio Lower Upper

119 100

91 68.1 33.1 99.2

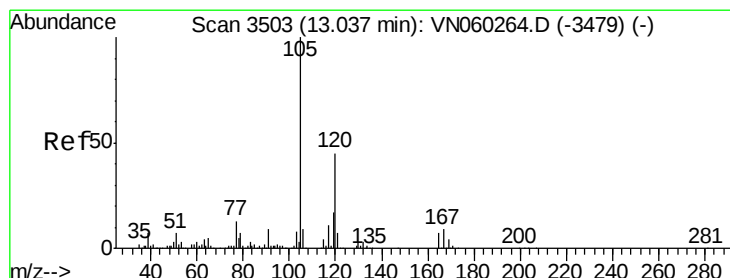
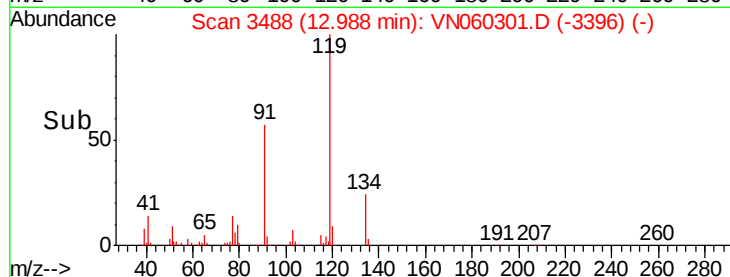
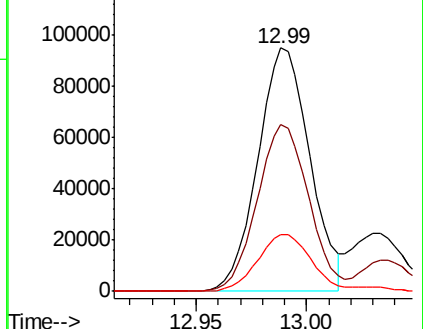
134 25.2 12.4 37.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 18.647 ug/l

RT: 13.04 min Scan# 3503

Delta R.T. 0.00 min

Lab File: VN060301.D

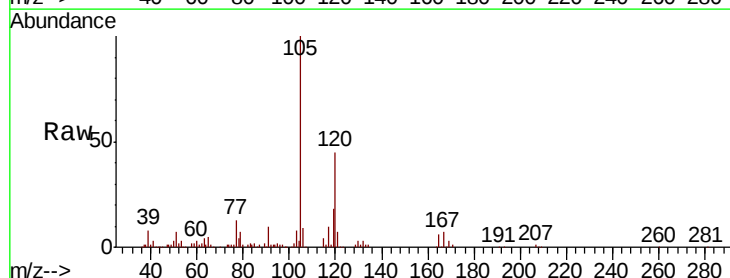
Acq: 2 Mar 2020 11:02

Tgt Ion:105 Resp: 183507

Ion Ratio Lower Upper

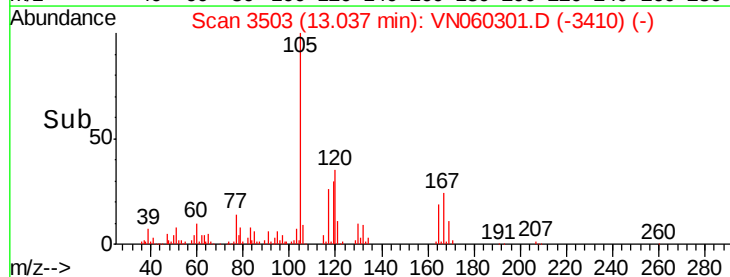
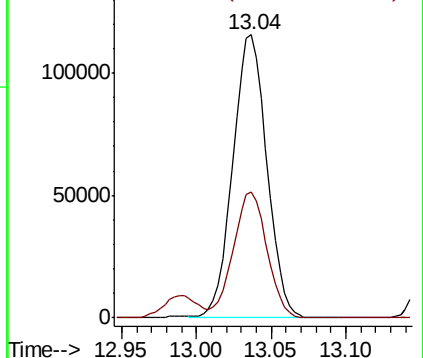
105 100

120 44.0 22.3 66.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

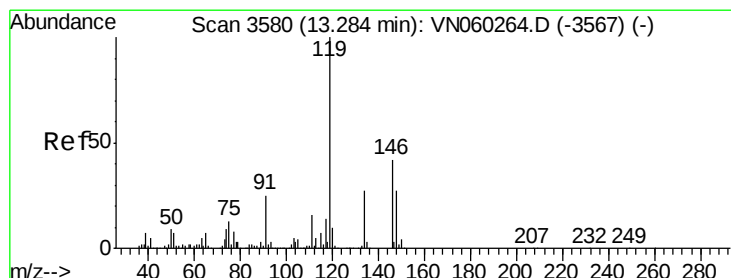
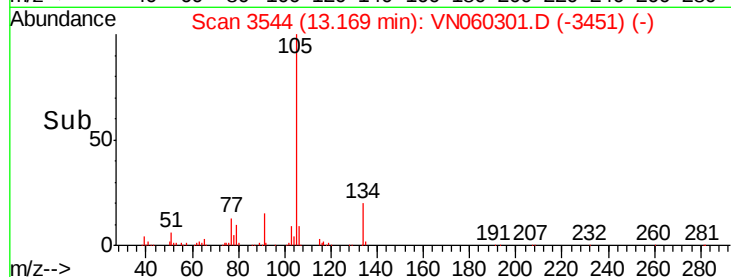
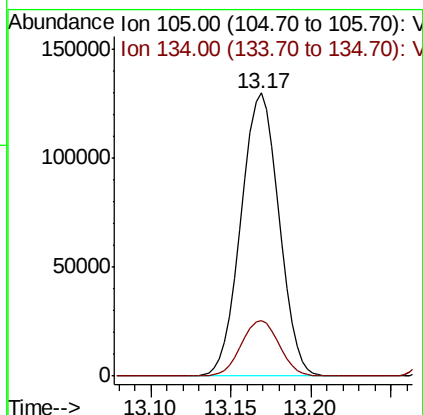
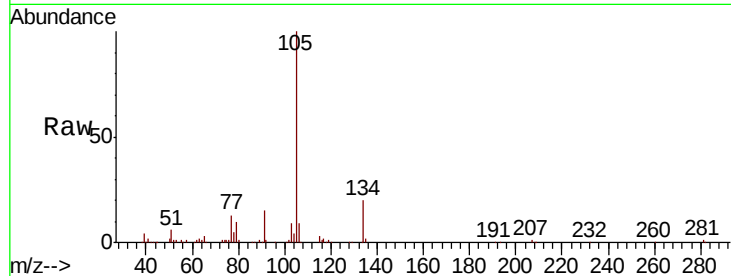




#85
 sec-Butylbenzene
 Concen: 18.619 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN060301.D
 Acq: 2 Mar 2020 11:02

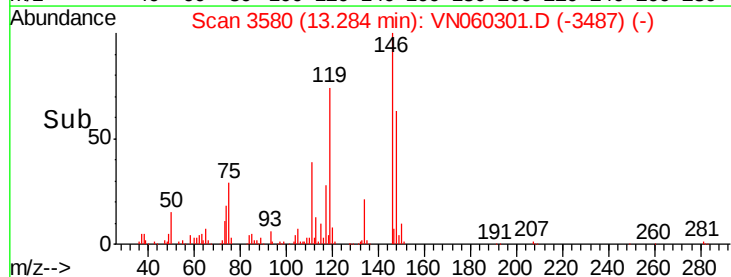
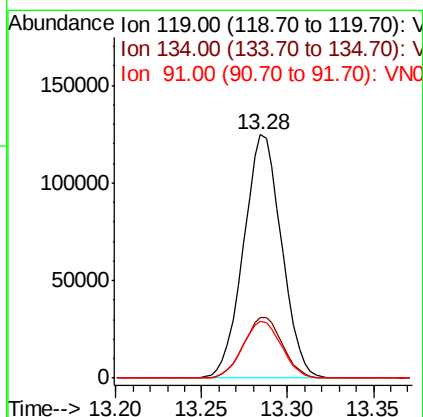
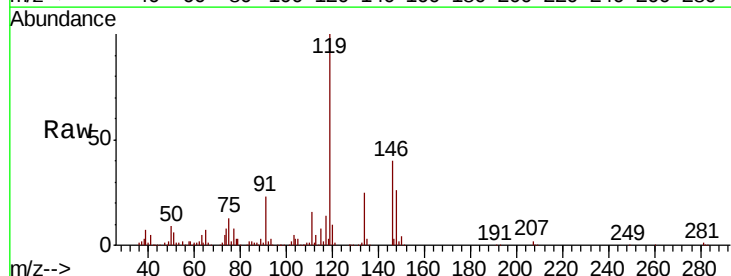
Instrument :
 MSVOA_N
 ClientSampled :

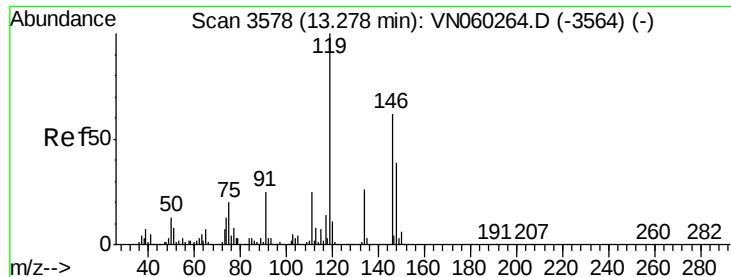
Tot Ion:105 Resp: 210468
 Ion Ratio Lower Upper
 105 100
 134 19.6 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 18.195 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN060301.D
 Acq: 2 Mar 2020 11:02

Tgt Ion:119 Resp: 190362
 Ion Ratio Lower Upper
 119 100
 134 25.6 13.2 39.6
 91 23.9 12.2 36.6





#87

1,3-Dichlorobenzene

Concen: 18.985 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN060301.D

Acq: 2 Mar 2020 11:02

Instrument :

MSVOA_N

ClientSampled :

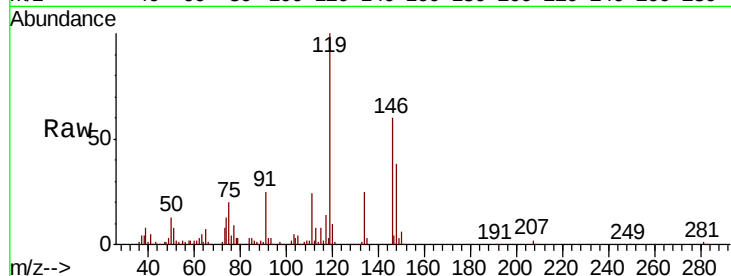
Tot Ion:146 Resp: 93175

Ion Ratio Lower Upper

146 100

111 40.0 20.0 59.9

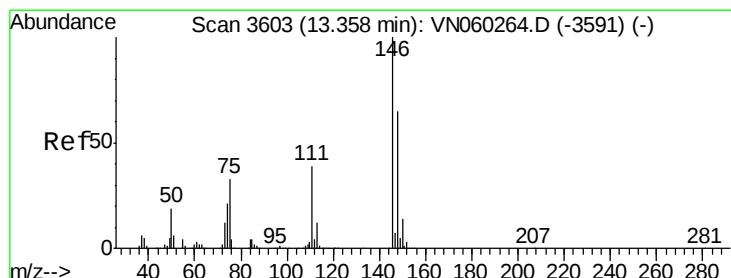
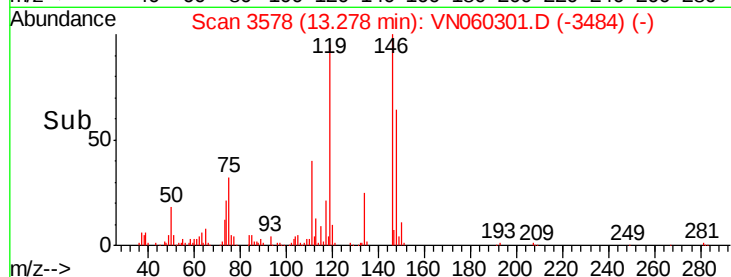
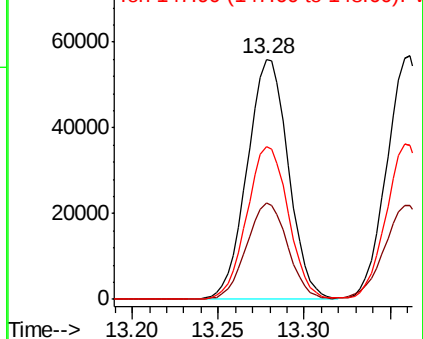
148 64.1 32.1 96.3



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



#88

1,4-Dichlorobenzene

Concen: 18.916 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. 0.00 min

Lab File: VN060301.D

Acq: 2 Mar 2020 11:02

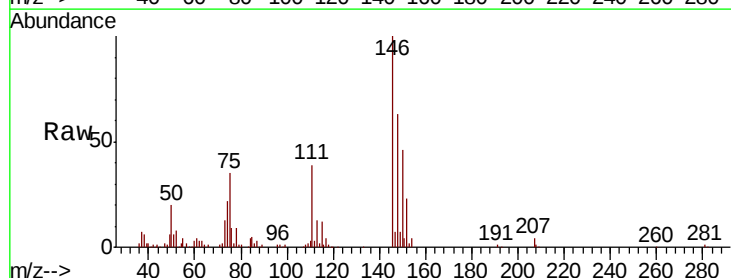
Tgt Ion:146 Resp: 92778

Ion Ratio Lower Upper

146 100

111 40.6 19.8 59.4

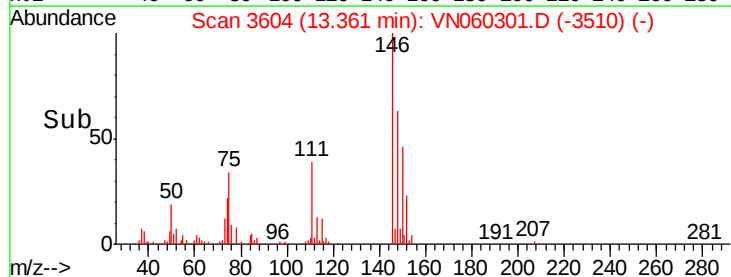
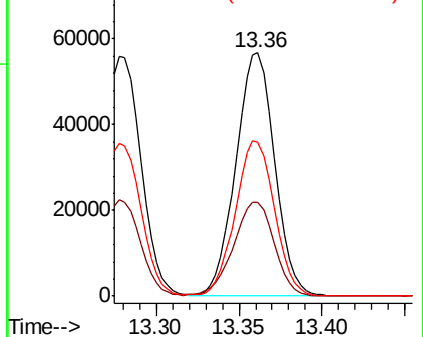
148 64.4 32.3 96.9

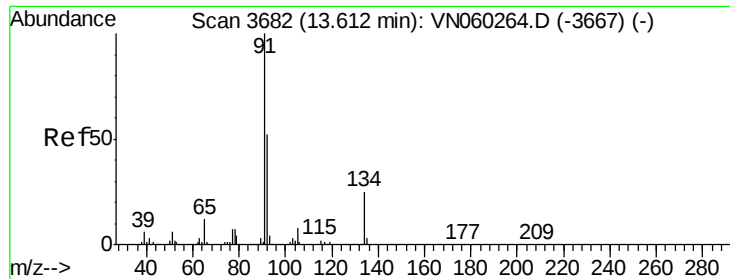


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

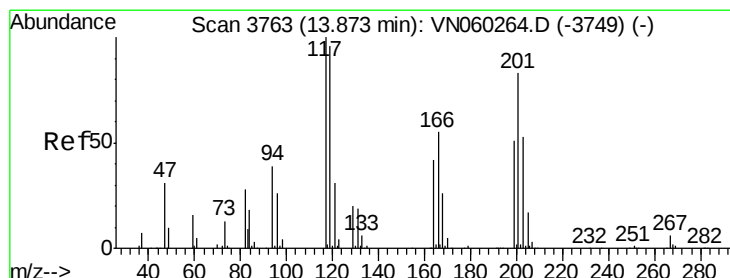
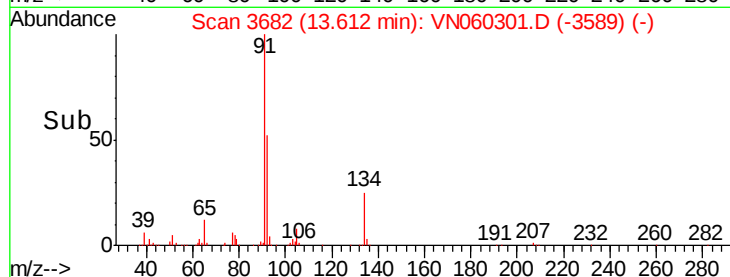
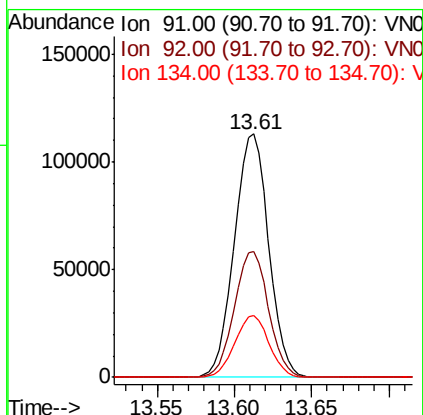
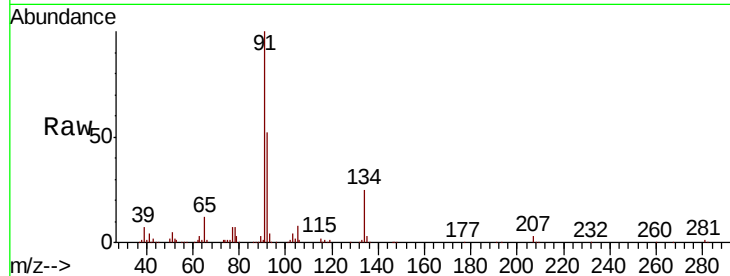




#89
n-Butylbenzene
Concen: 18.102 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN060301.D
Acq: 2 Mar 2020 11:02

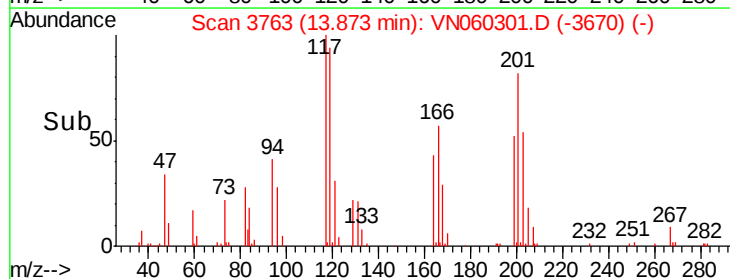
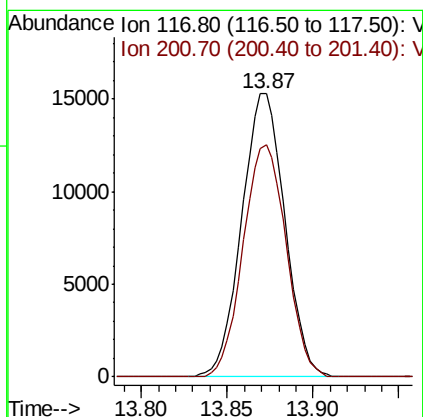
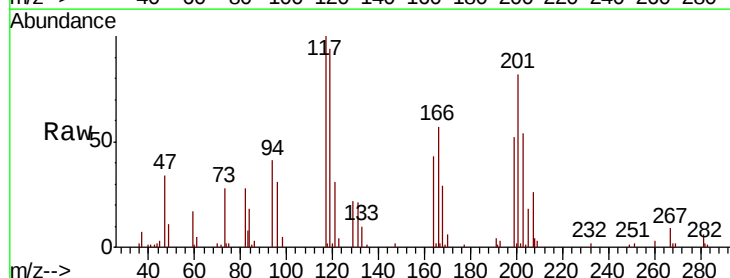
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 91 Resp: 173854
Ion Ratio Lower Upper
91 100
92 51.6 26.0 78.0
134 25.3 12.7 38.1



#90
Hexachloroethane
Concen: 17.537 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN060301.D
Acq: 2 Mar 2020 11:02

Tgt Ion: 117 Resp: 26558
Ion Ratio Lower Upper
117 100
201 81.6 41.0 123.0

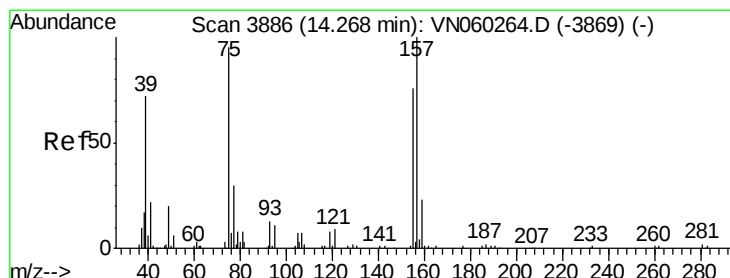
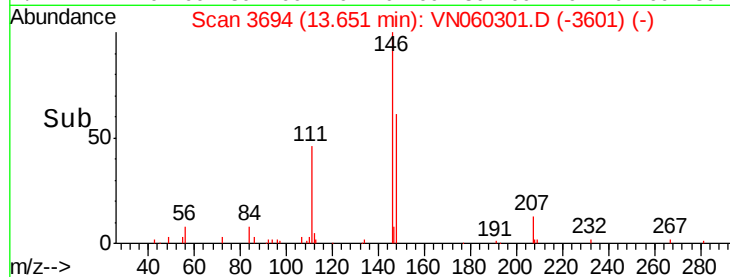
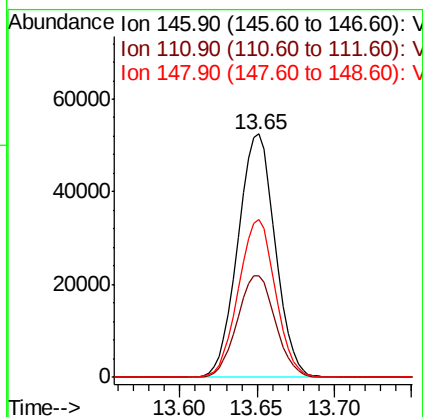
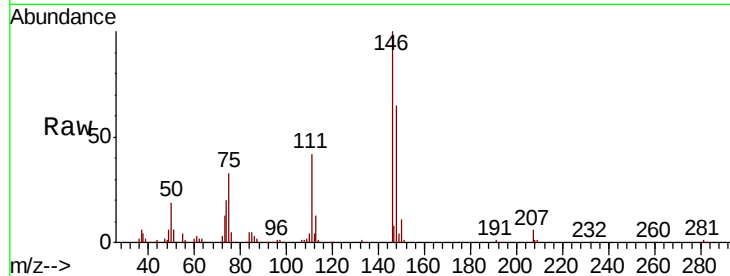




#91
 1,2-Dichlorobenzene
 Concen: 17.756 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN060301.D
 Acq: 2 Mar 2020 11:02

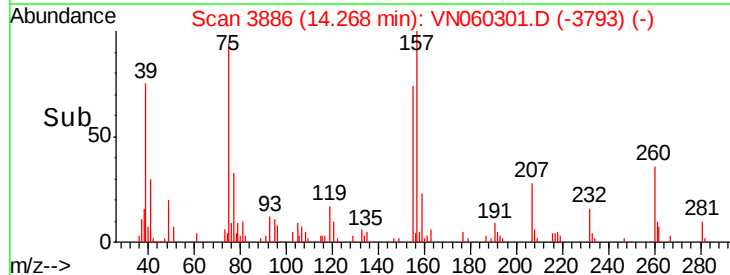
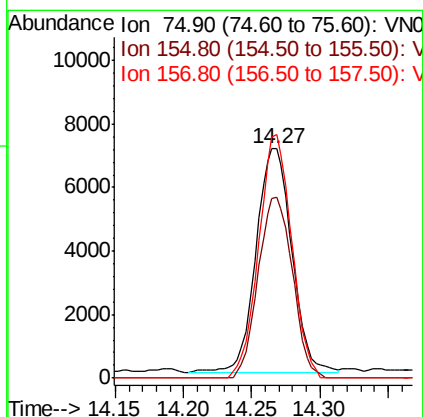
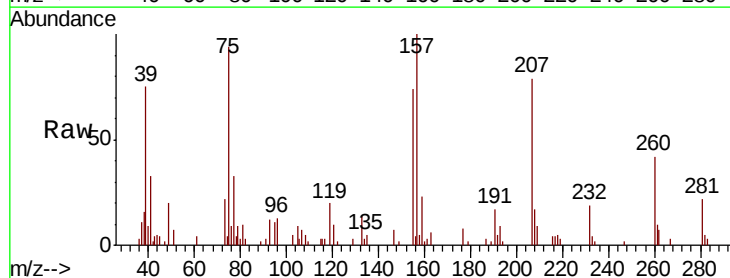
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.4	20.3	61.0
148	64.3	31.8	95.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.885 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN060301.D
 Acq: 2 Mar 2020 11:02

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.7	40.4	121.2
157	100.4	52.5	157.5

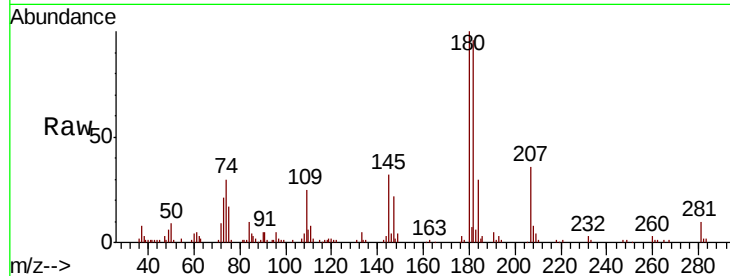




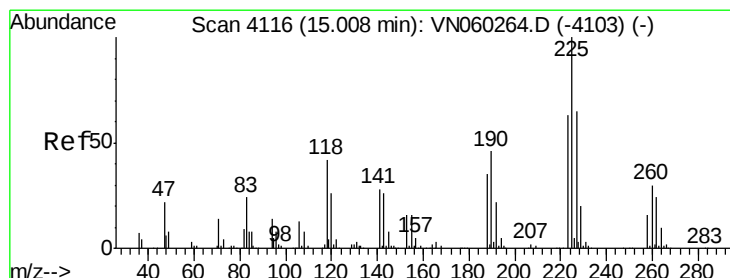
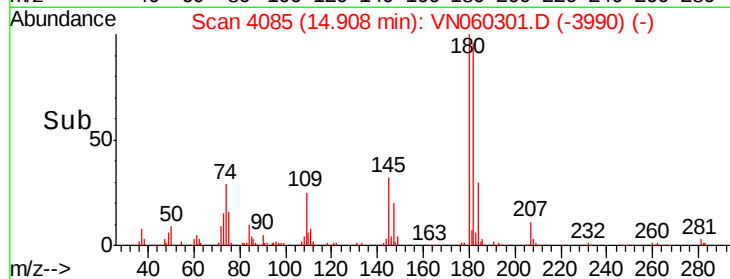
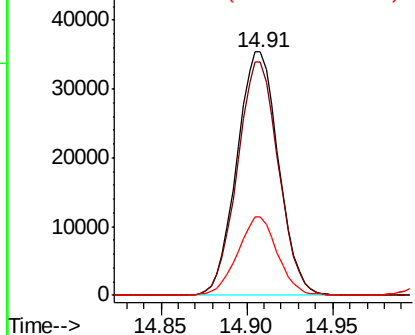
#93
 1,2,4-Trichlorobenzene
 Concen: 18.862 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060301.D
 Acq: 2 Mar 2020 11:02

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.8	143.3
145	30.9	15.4	46.1

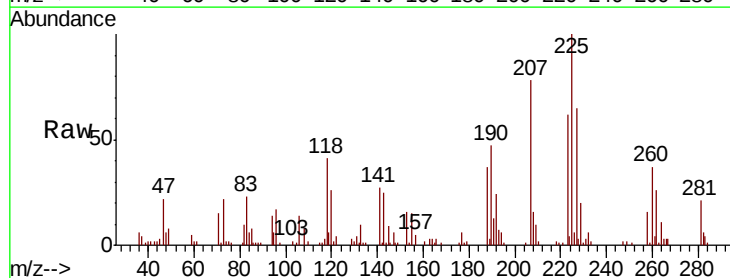


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

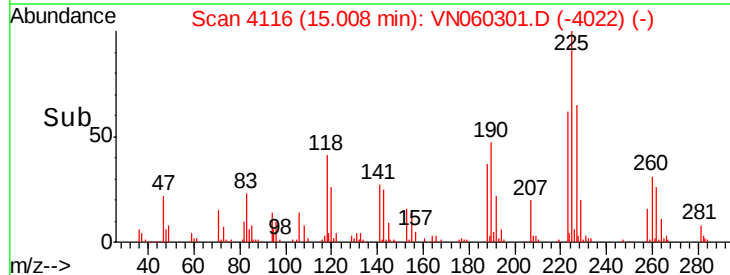
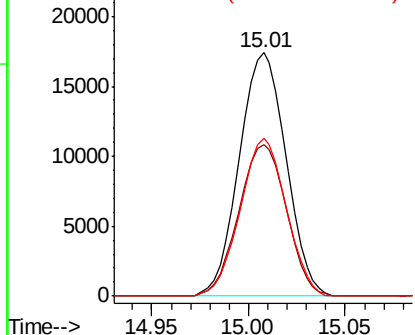


#94
 Hexachlorobutadiene
 Concen: 19.826 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060301.D
 Acq: 2 Mar 2020 11:02

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.5	31.3	93.9
227	63.5	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

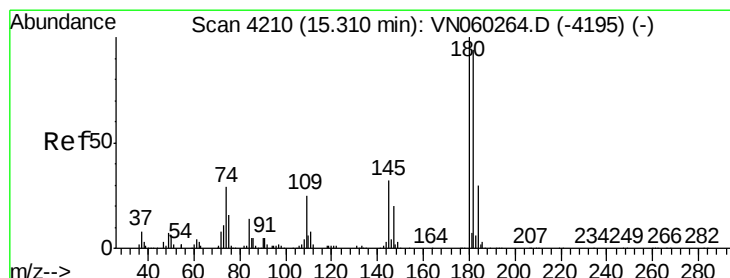
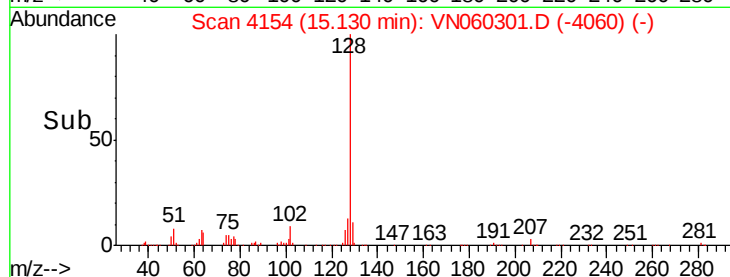
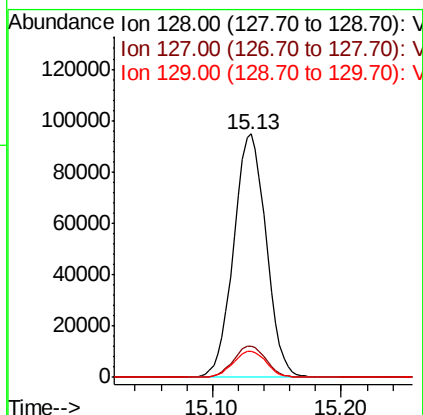
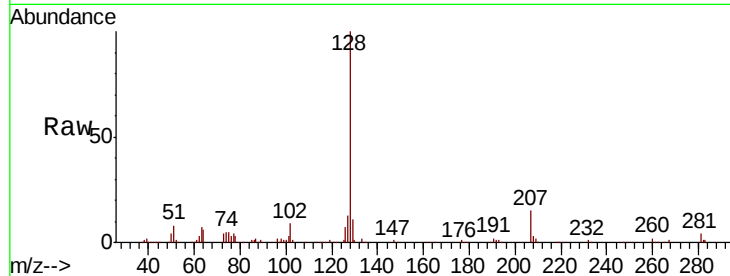




#95
Naphthalene
Concen: 17.646 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060301.D
Acq: 2 Mar 2020 11:02

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:128 Resp: 165899
Ion Ratio Lower Upper
128 100
127 12.9 10.4 15.6
129 11.0 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 18.919 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN060301.D
Acq: 2 Mar 2020 11:02

Tgt Ion:180 Resp: 56647
Ion Ratio Lower Upper
180 100
182 95.7 47.3 142.0
145 33.5 16.2 48.5

