

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042020\
 Data File : VN061094.D
 Acq On : 20 Apr 2020 12:25
 Operator : JC/MD
 Sample : VN0420WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0420WBS01

Quant Time: Apr 21 03:57:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041620W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 17 03:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	160028	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	267340	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	241510	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	111002	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	100111	48.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.80%	
35) Dibromofluoromethane	7.56	113	77295	49.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.02%	
50) Toluene-d8	10.08	98	281918	47.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.58%	
62) 4-Bromofluorobenzene	12.39	95	109002	47.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.28%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	40440	19.345	ug/l 99
3) Chloromethane	2.04	50	53827	18.965	ug/l 99
4) Vinyl Chloride	2.17	62	45152	19.143	ug/l 100
5) Bromomethane	2.55	94	23264	19.668	ug/l 98
6) Chloroethane	2.69	64	27147	19.952	ug/l 98
7) Trichlorofluoromethane	3.00	101	59240	20.174	ug/l 97
8) Diethyl Ether	3.38	74	23073	19.770	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	34024	19.749	ug/l 99
10) Methyl Iodide	3.93	142	30171	19.851	ug/l 98
11) Tert butyl alcohol	4.72	59	30180	83.078	ug/l # 86
12) 1,1-Dichloroethene	3.72	96	33818	19.311	ug/l 100
13) Acrolein	3.57	56	21840	71.203	ug/l 97
14) Allyl chloride	4.29	41	62610	18.896	ug/l 99
15) Acrylonitrile	4.94	53	93946	95.380	ug/l 99
16) Acetone	3.78	43	79978	88.747	ug/l 98
17) Carbon Disulfide	4.03	76	105485	19.250	ug/l 100
18) Methyl Acetate	4.28	43	53639	18.981	ug/l 100
19) Methyl tert-butyl Ether	5.00	73	116893	19.143	ug/l 98
20) Methylene Chloride	4.52	84	37585	19.102	ug/l 96
21) trans-1,2-Dichloroethene	5.01	96	36778	19.635	ug/l 96
22) Diisopropyl ether	5.91	45	133996	19.472	ug/l 98
23) Vinyl Acetate	5.85	43	509016	94.325	ug/l 100
24) 1,1-Dichloroethane	5.81	63	71763	19.308	ug/l 99
25) 2-Butanone	6.79	43	123895	89.717	ug/l 99
26) 2,2-Dichloropropane	6.79	77	60934	19.690	ug/l 99
27) cis-1,2-Dichloroethene	6.80	96	41807	19.442	ug/l 100
28) Bromochloromethane	7.17	49	33675	19.738	ug/l 99
29) Tetrahydrofuran	7.17	42	85075	90.745	ug/l 100
30) Chloroform	7.34	83	68213	19.677	ug/l 96
31) Cyclohexane	7.63	56	71211	18.671	ug/l 97
32) 1,1,1-Trichloroethane	7.54	97	58277	19.435	ug/l 98
36) 1,1-Dichloropropene	7.77	75	53263	19.307	ug/l 99
37) Ethyl Acetate	6.89	43	55926	18.670	ug/l 99
38) Carbon Tetrachloride	7.75	117	44890	19.549	ug/l 98

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 Quant Title : SW846 8260
 QLast Update : Fri Apr 17 03:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.06	83	65134	19.748	ug/l	100
40) Benzene	8.02	78	158567	19.375	ug/l	100
41) Methacrylonitrile	7.14	41	25524	20.429	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	55213	19.804	ug/l	100
43) Isopropyl Acetate	8.14	43	90805	18.639	ug/l	99
44) Trichloroethene	8.81	130	39761	19.335	ug/l	97
45) 1,2-Dichloropropane	9.10	63	43026	19.464	ug/l	100
46) Dibromomethane	9.19	93	24943	19.570	ug/l	99
47) Bromodichloromethane	9.38	83	52544	19.515	ug/l	99
48) Methyl methacrylate	9.18	41	39667	18.424	ug/l	97
49) 1,4-Dioxane	9.18	88	9676	332.965	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	260118	92.620	ug/l	100
52) Toluene	10.14	92	94918	19.332	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	59895	19.151	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	65606	19.226	ug/l	97
55) 1,1,2-Trichloroethane	10.55	97	36436	19.610	ug/l	98
56) Ethyl methacrylate	10.42	69	54325	18.594	ug/l	99
57) 1,3-Dichloropropane	10.69	76	64899	19.582	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	119646	90.120	ug/l	99
59) 2-Hexanone	10.74	43	183559	90.629	ug/l	99
60) Dibromochloromethane	10.89	129	36740	19.249	ug/l	99
61) 1,2-Dibromoethane	10.99	107	36671	19.369	ug/l	99
64) Tetrachloroethene	10.62	164	37962	20.541	ug/l	97
65) Chlorobenzene	11.42	112	96470	19.350	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	34553	19.371	ug/l	100
67) Ethyl Benzene	11.50	91	181748	19.380	ug/l	100
68) m/p-Xylenes	11.61	106	130956	38.638	ug/l	99
69) o-Xylene	11.94	106	62636	19.221	ug/l	99
70) Styrene	11.96	104	100379	19.134	ug/l	99
71) Bromoform	12.12	173	25248	18.963	ug/l #	97
73) Isopropylbenzene	12.24	105	170835	19.210	ug/l	99
74) N-amyl acetate	12.06	43	74117	17.922	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	50781	18.706	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	68089	27.887	ug/l #	100
77) Bromobenzene	12.52	156	39312	18.933	ug/l	99
78) n-propylbenzene	12.59	91	202364	19.450	ug/l	100
79) 2-Chlorotoluene	12.67	91	119260	19.544	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	143417	19.511	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	17473	17.652	ug/l	100
82) 4-Chlorotoluene	12.77	91	121383	19.179	ug/l	100
83) tert-Butylbenzene	12.99	119	119376	19.311	ug/l	99
84) 1,2,4-Trimethylbenzene	13.03	105	142723	19.643	ug/l	100
85) sec-Butylbenzene	13.17	105	163767	19.552	ug/l	99
86) p-Isopropyltoluene	13.28	119	144843	19.420	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	70713	19.110	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	70008	18.806	ug/l	99
89) n-Butylbenzene	13.61	91	132421	19.092	ug/l	100
90) Hexachloroethane	13.87	117	21786	19.038	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	66843	18.927	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	9583	18.240	ug/l	96

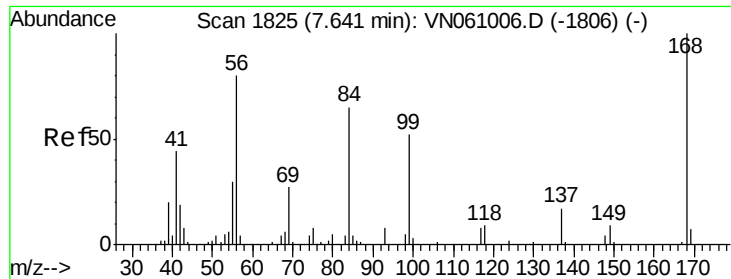
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042020\
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Quant Title : SW846 8260
QLast Update : Fri Apr 17 03:49:39 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	39471	18.883	ug/l	98
94) Hexachlorobutadiene	15.01	225	21148	19.666	ug/l	97
95) Naphthalene	15.13	128	108682	17.828	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	38238	18.982	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.00 min

Lab File: VN061094.D

Acq: 20 Apr 2020 12:25

Instrument :

MSVOA_N

ClientSampleId :

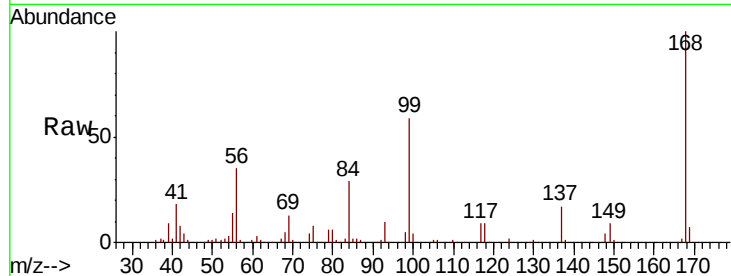
VN0420WBS01

Tot Ion:168 Resp: 160028

Ion Ratio Lower Upper

168 100

99 58.9 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.64

60000

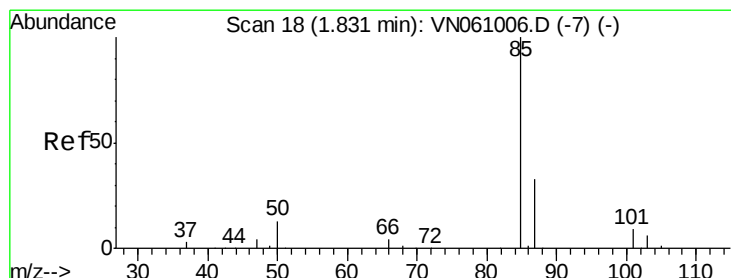
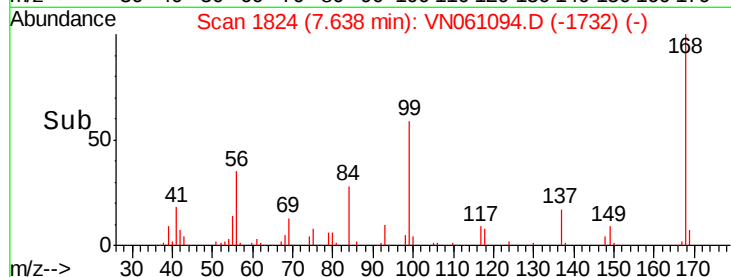
40000

20000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 19.345 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061094.D

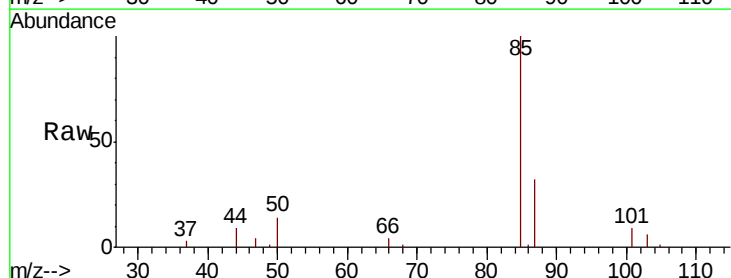
Acq: 20 Apr 2020 12:25

Tgt Ion: 85 Resp: 40440

Ion Ratio Lower Upper

85 100

87 32.2 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.83

30000

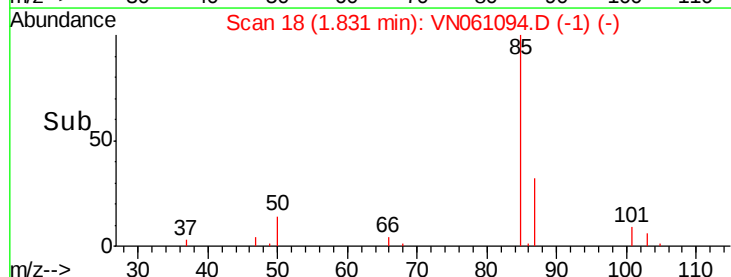
20000

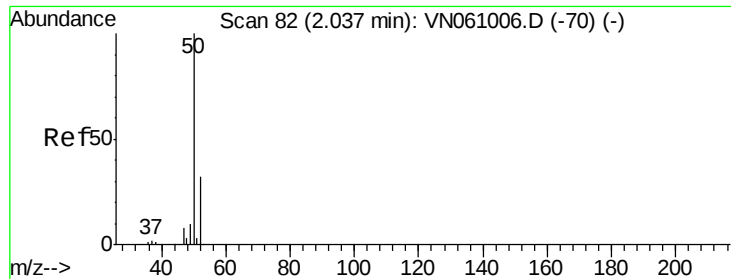
10000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 18.965 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN061094.D

Acq: 20 Apr 2020 12:25

Instrument :

MSVOA_N

ClientSampleId :

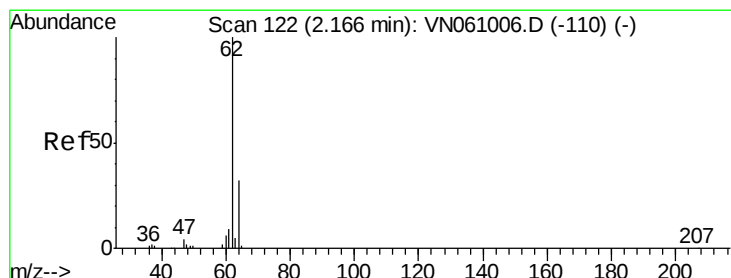
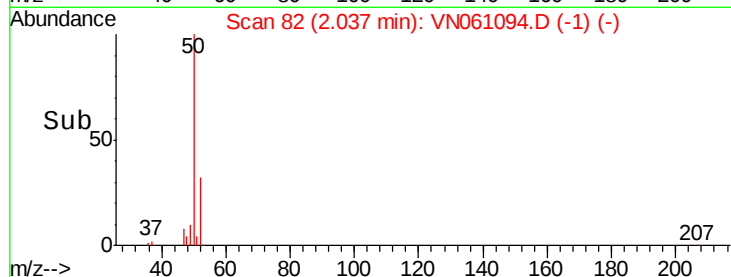
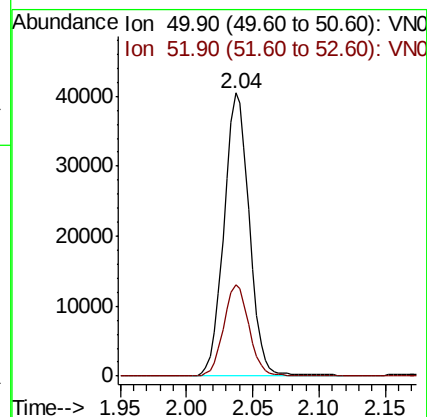
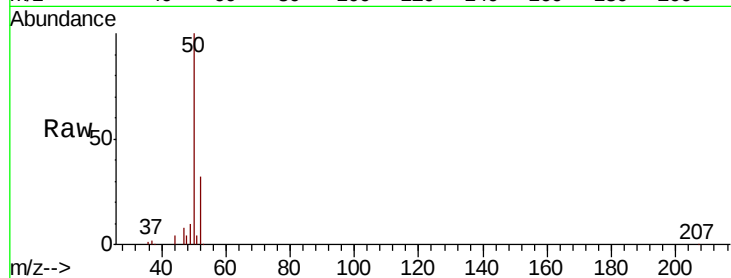
VN0420WBS01

Tot Ion: 50 Resp: 53827

Ion Ratio Lower Upper

50 100

52 32.4 25.6 38.4



#4

Vinyl Chloride

Concen: 19.143 ug/l

RT: 2.17 min Scan# 122

Delta R.T. -0.00 min

Lab File: VN061094.D

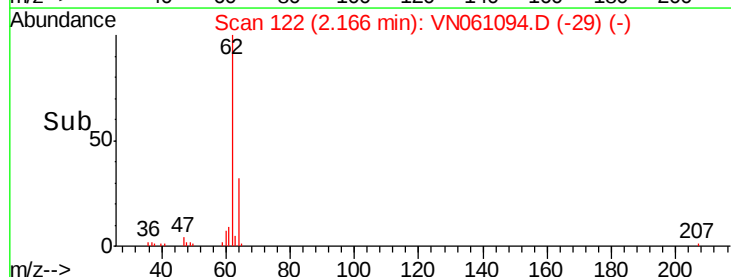
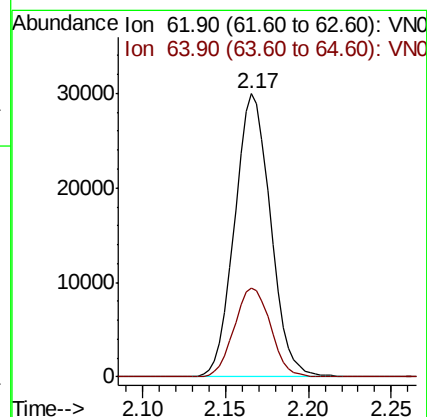
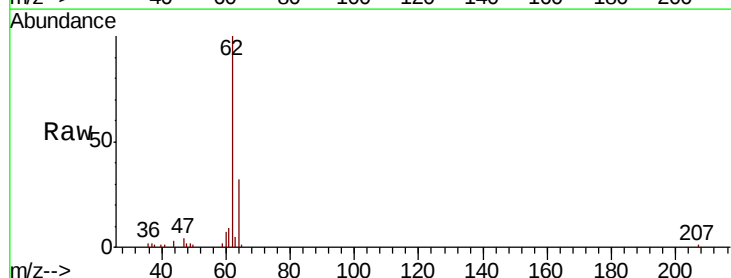
Acq: 20 Apr 2020 12:25

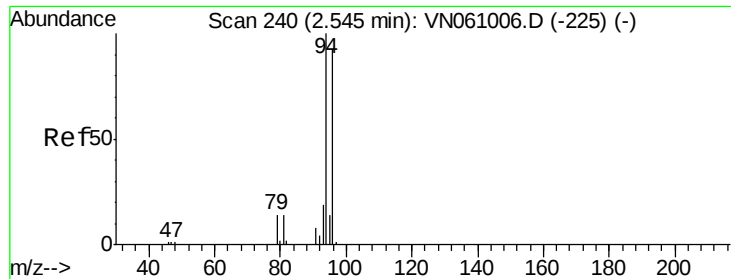
Tgt Ion: 62 Resp: 45152

Ion Ratio Lower Upper

62 100

64 31.6 25.4 38.0





#5

Bromomethane

Concen: 19.668 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.00 min

Lab File: VN061094.D

Acq: 20 Apr 2020 12:25

Instrument :

MSVOA_N

ClientSampled :

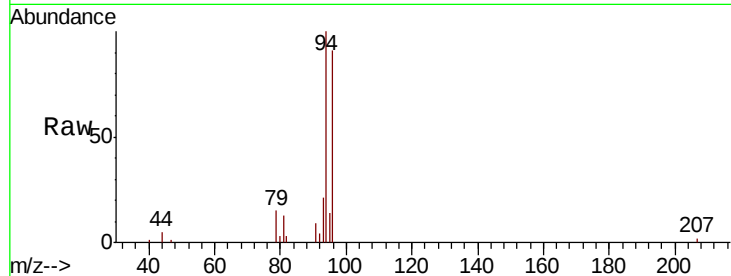
VN0420WBS01

Tot Ion: 94 Resp: 23264

Ion Ratio Lower Upper

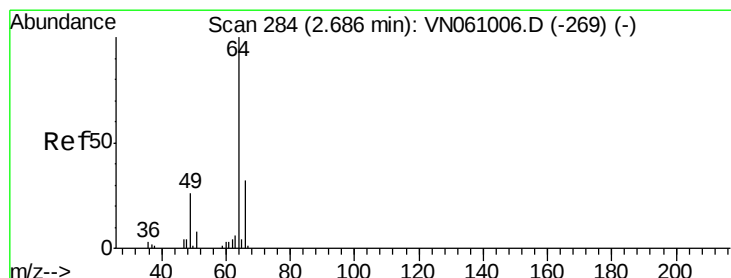
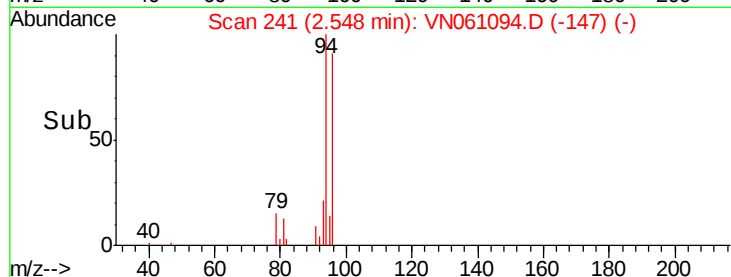
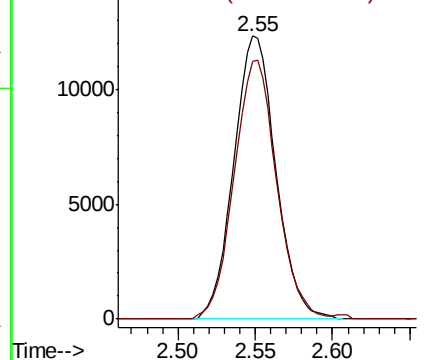
94 100

96 90.9 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: 19.952 ug/l

RT: 2.69 min Scan# 284

Delta R.T. -0.00 min

Lab File: VN061094.D

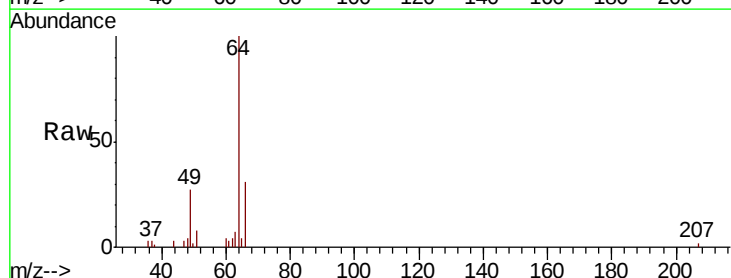
Acq: 20 Apr 2020 12:25

Tgt Ion: 64 Resp: 27147

Ion Ratio Lower Upper

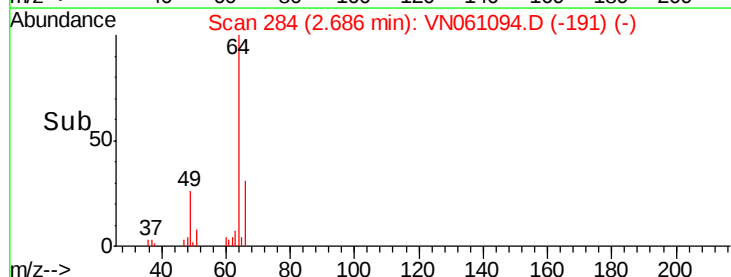
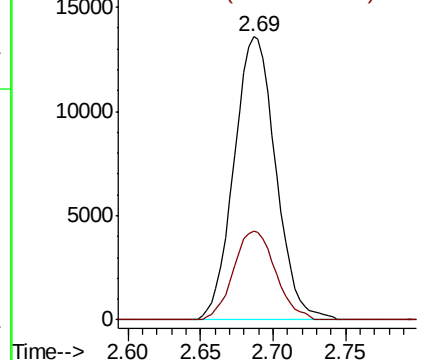
64 100

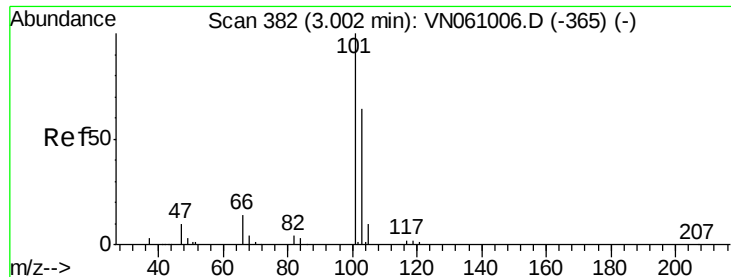
66 31.2 25.8 38.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



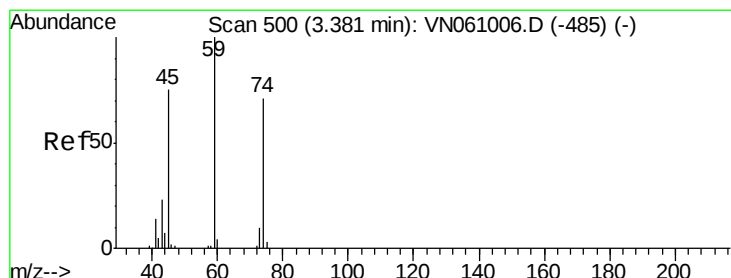
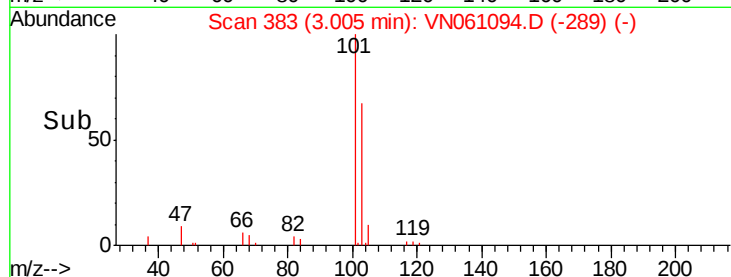
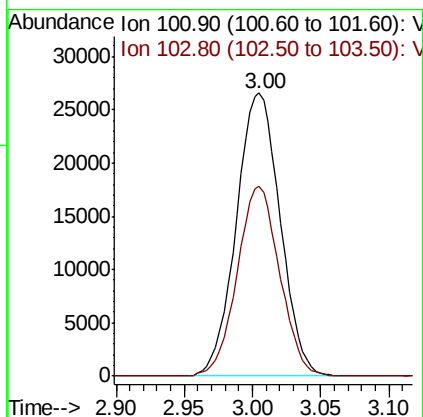
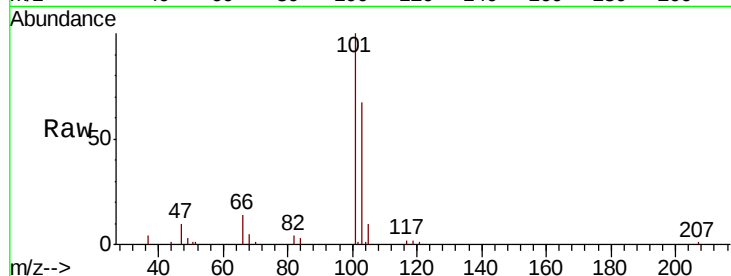


#7

Trichlorofluoromethane
 Concen: 20.174 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. 0.00 min
 Lab File: VN061094.D
 Acq: 20 Apr 2020 12:25

Instrument :
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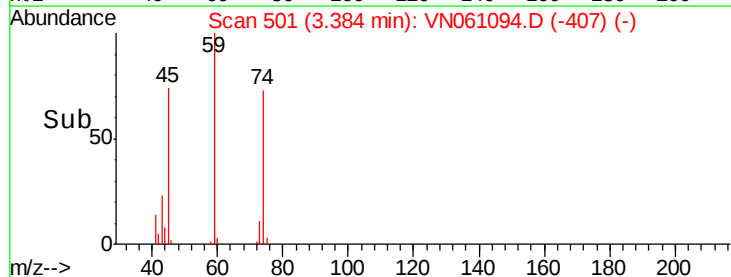
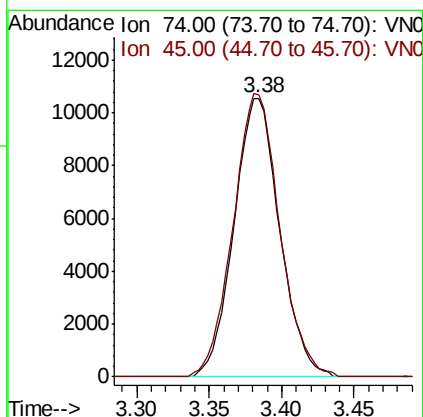
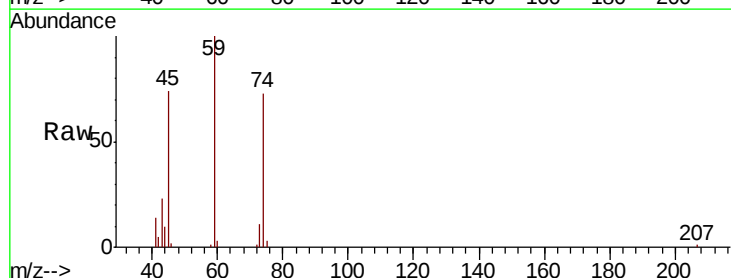
Tot Ion:101 Resp: 59240
 Ion Ratio Lower Upper
 101 100
 103 67.0 51.4 77.2

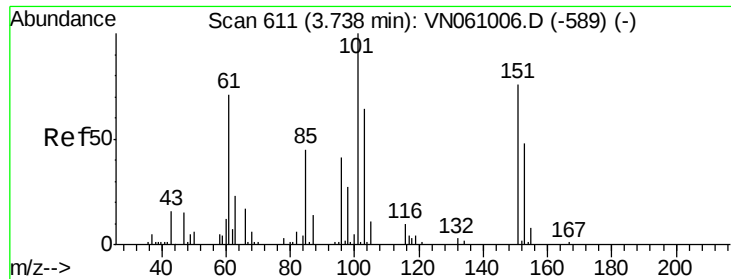


#8

Diethyl Ether
 Concen: 19.770 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. 0.00 min
 Lab File: VN061094.D
 Acq: 20 Apr 2020 12:25

Tgt Ion: 74 Resp: 23073
 Ion Ratio Lower Upper
 74 100
 45 104.1 52.9 158.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.749 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN061094.D

Acq: 20 Apr 2020 12:25

Instrument :

MSVOA_N

ClientSampleId :

VN0420WBS01

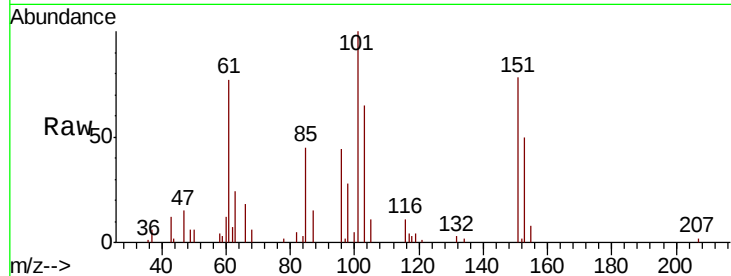
Tot Ion:101 Resp: 34024

Ion Ratio Lower Upper

101 100

85 43.4 35.9 53.9

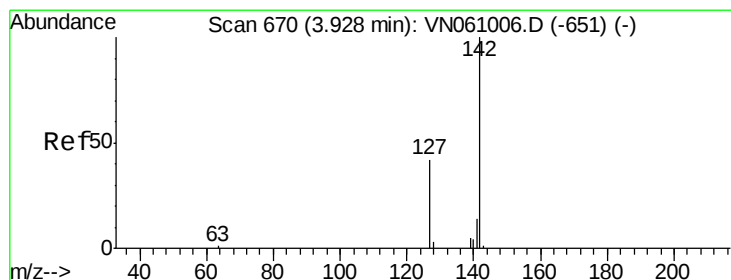
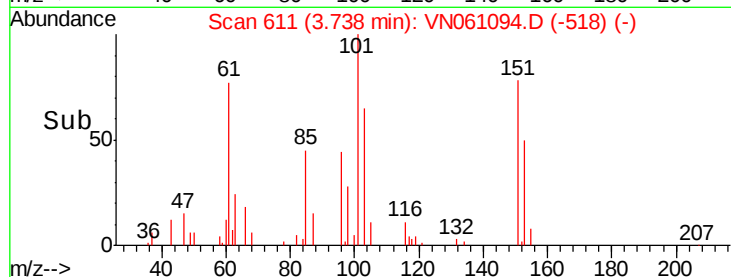
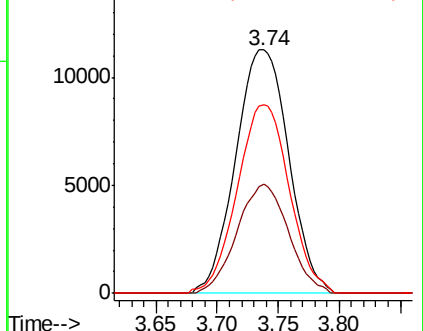
151 76.1 60.8 91.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.851 ug/l

RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

Lab File: VN061094.D

Acq: 20 Apr 2020 12:25

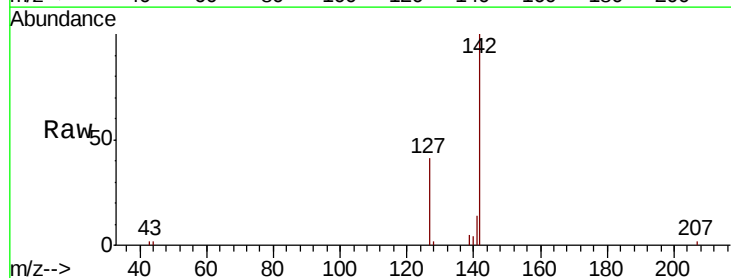
Tgt Ion:142 Resp: 30171

Ion Ratio Lower Upper

142 100

127 43.6 33.4 50.2

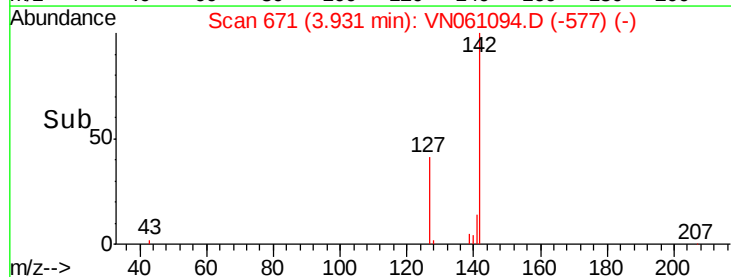
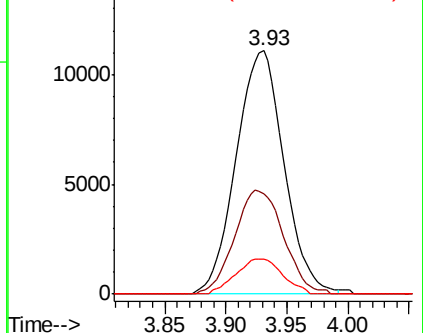
141 14.1 11.0 16.6

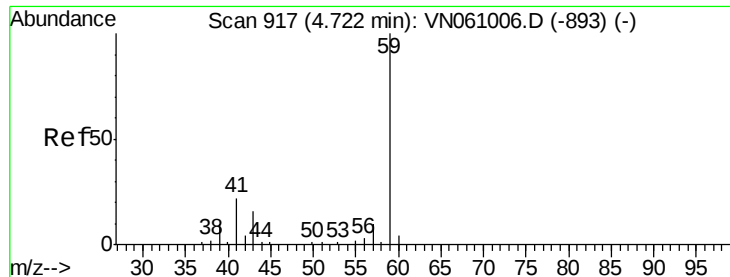


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

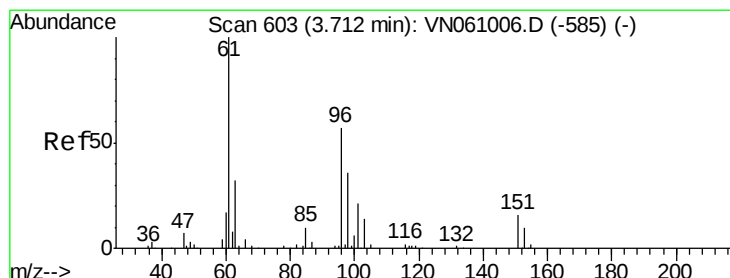
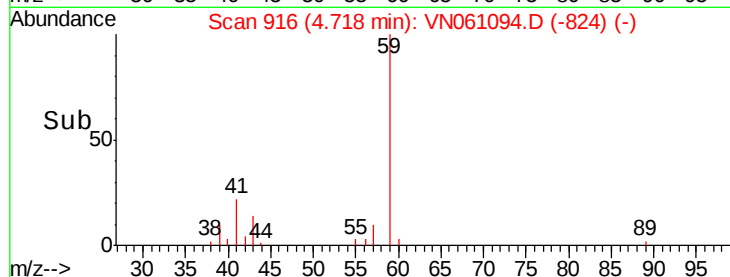
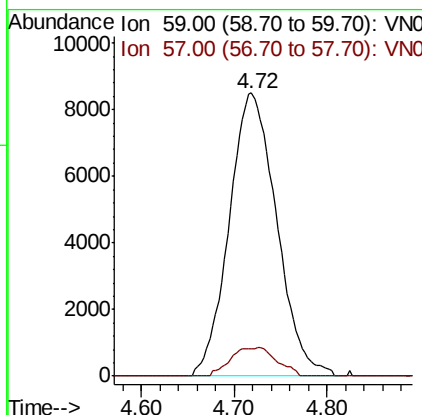
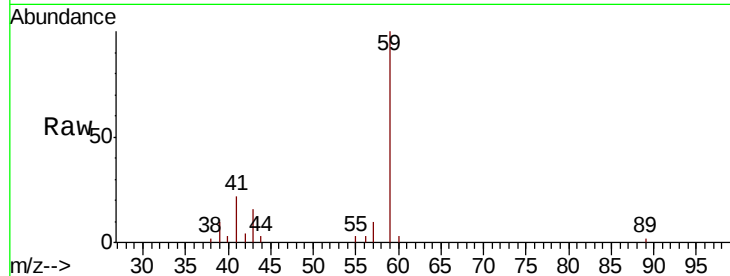




#11
Tert butyl alcohol
Concen: 83.078 ug/l
RT: 4.72 min Scan# 916
Delta R.T. -0.00 min
Lab File: VN061094.D
Acq: 20 Apr 2020 12:25

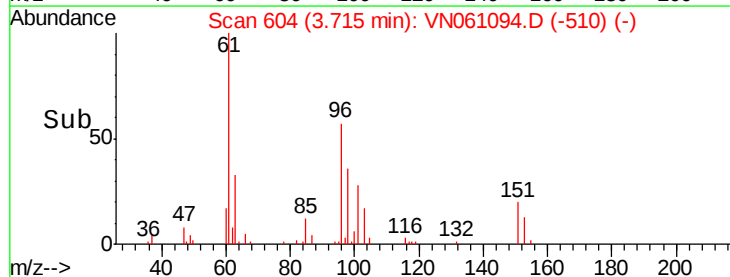
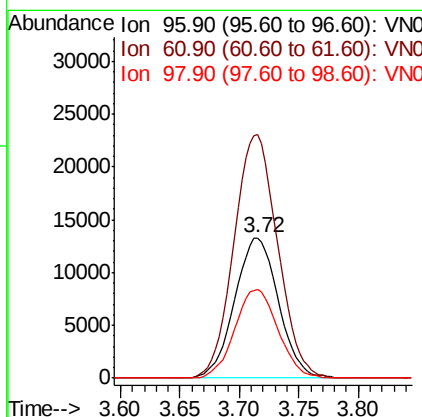
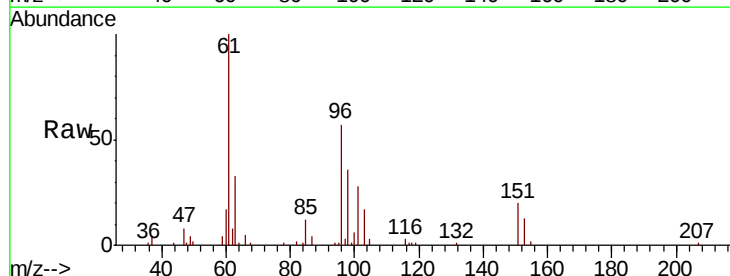
Instrument :
MSVOA_N
ClientSampleId :
VN0420WBS01

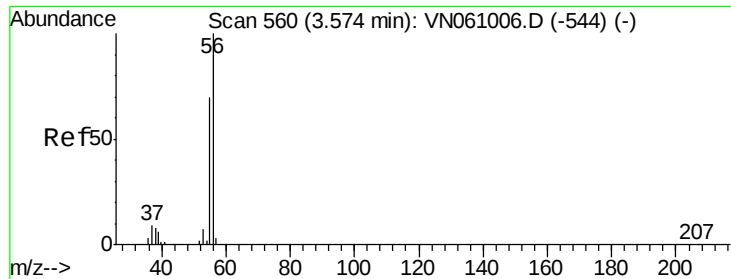
Tot Ion: 59 Resp: 30180
Ion Ratio Lower Upper
59 100
57 4.8 8.1 12.1#



#12
1,1-Dichloroethene
Concen: 19.311 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN061094.D
Acq: 20 Apr 2020 12:25

Tgt Ion: 96 Resp: 33818
Ion Ratio Lower Upper
96 100
61 174.0 139.2 208.8
98 63.4 50.0 75.0





#13

Acrolein

Concen: 71.203 ug/l

RT: 3.57 min Scan# 560

Delta R.T. -0.00 min

Lab File: VN061094.D

Acq: 20 Apr 2020 12:25

Instrument :

MSVOA_N

ClientSampleId :

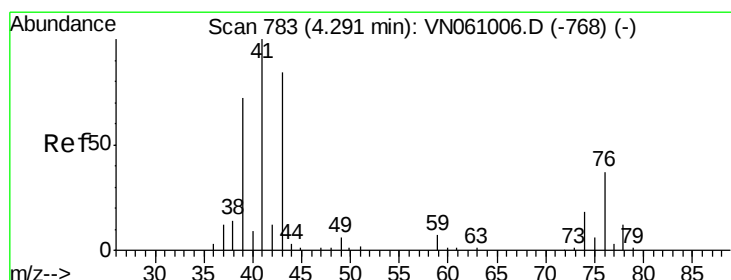
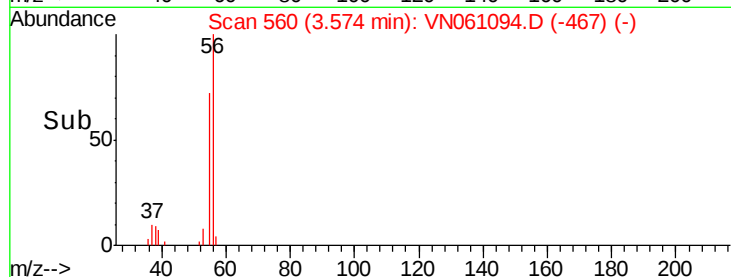
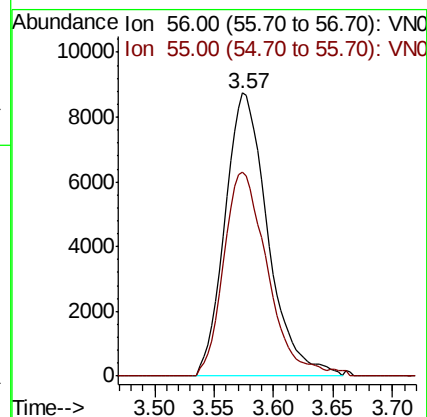
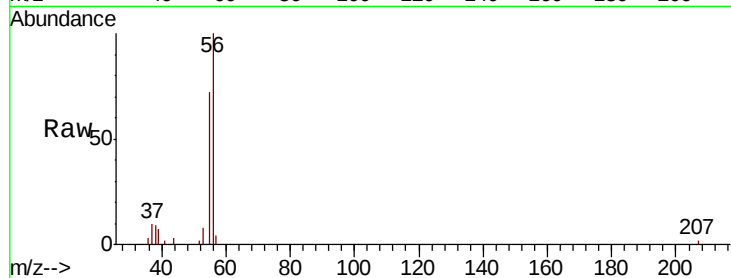
VN0420WBS01

Tot Ion: 56 Resp: 21840

Ion Ratio Lower Upper

56 100

55 73.9 57.0 85.6



#14

Allyl chloride

Concen: 18.896 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.00 min

Lab File: VN061094.D

Acq: 20 Apr 2020 12:25

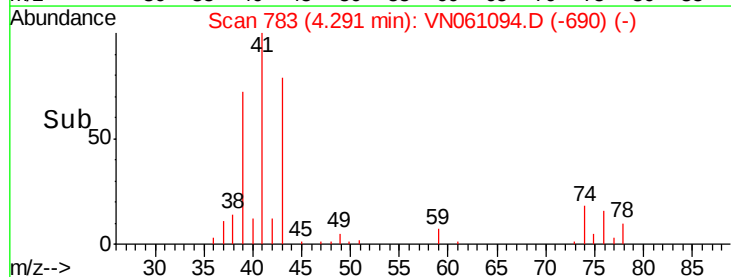
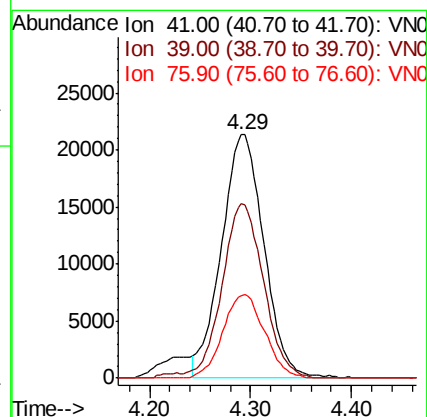
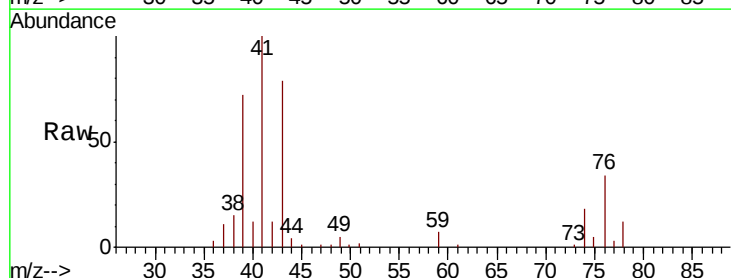
Tgt Ion: 41 Resp: 62610

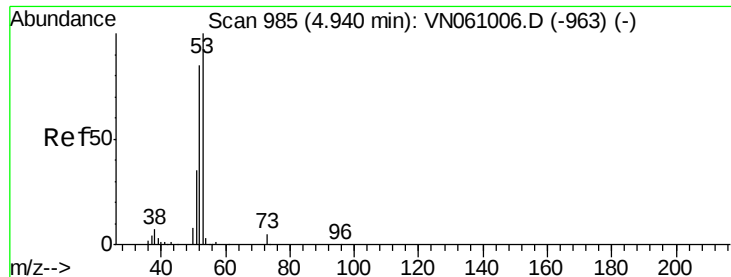
Ion Ratio Lower Upper

41 100

39 70.8 56.3 84.5

76 33.6 27.7 41.5





#15

Acrylonitrile

Concen: 95.380 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN061094.D

Acq: 20 Apr 2020 12:25

Instrument :

MSVOA_N

ClientSampleId :

VN0420WBS01

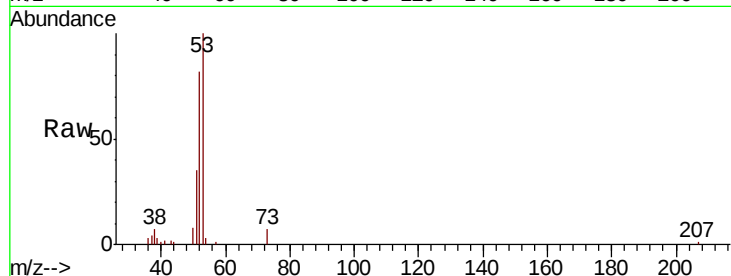
Tot Ion: 53 Resp: 93946

Ion Ratio Lower Upper

53 100

52 81.9 66.8 100.2

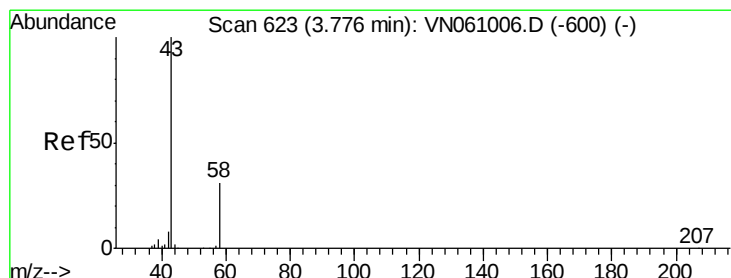
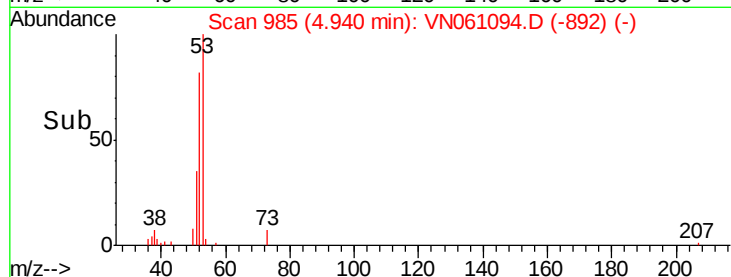
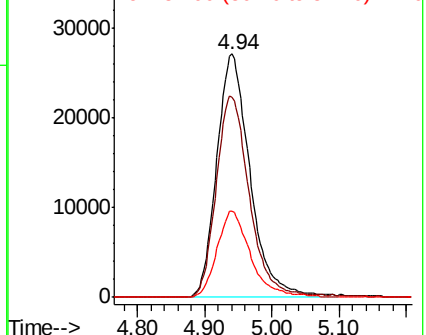
51 35.6 28.9 43.3



Abundance Ion 53.00 (52.70 to 53.70): VN061006.D (-963) (-)

Ion 52.00 (51.70 to 52.70): VN061006.D (-963) (-)

Ion 51.00 (50.70 to 51.70): VN061006.D (-963) (-)



#16

Acetone

Concen: 88.747 ug/l

RT: 3.78 min Scan# 623

Delta R.T. -0.00 min

Lab File: VN061094.D

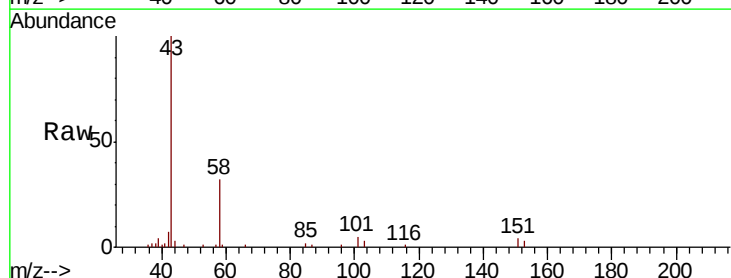
Acq: 20 Apr 2020 12:25

Tgt Ion: 43 Resp: 79978

Ion Ratio Lower Upper

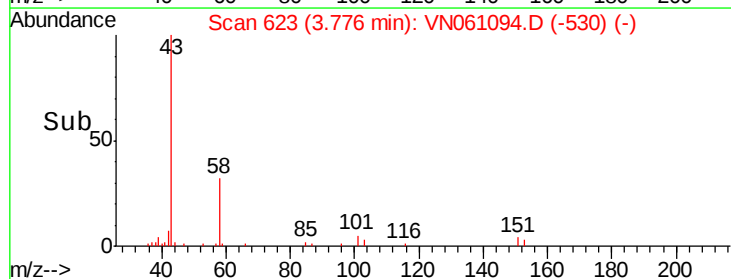
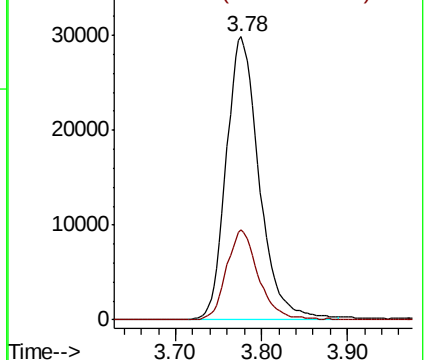
43 100

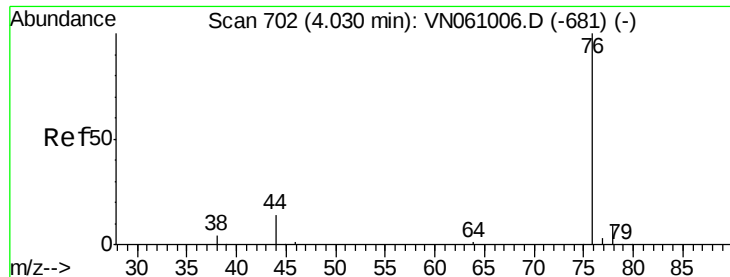
58 31.9 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VN061006.D (-600) (-)

Ion 58.00 (57.70 to 58.70): VN061006.D (-600) (-)





#17

Carbon Disulfide

Concen: 19.250 ug/l

RT: 4.03 min Scan# 702

Delta R.T. -0.00 min

Lab File: VN061094.D

Acq: 20 Apr 2020 12:25

Instrument :

MSVOA_N

ClientSampleId :

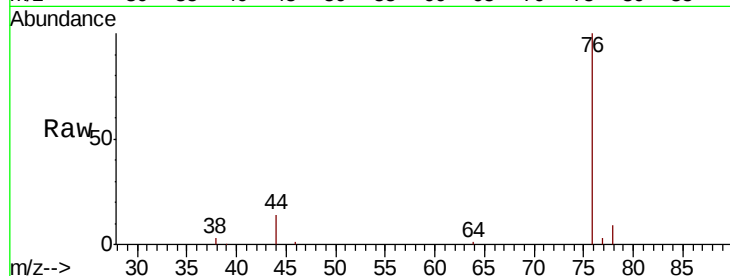
VN0420WBS01

Tot Ion: 76 Resp: 105485

Ion Ratio Lower Upper

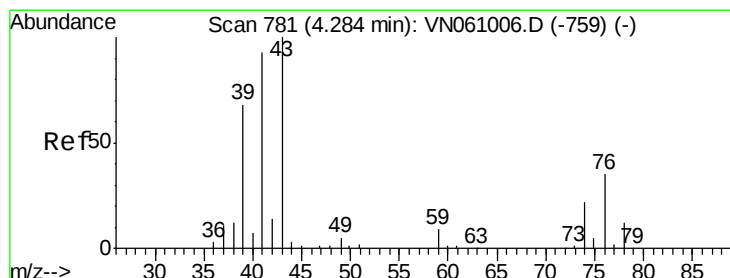
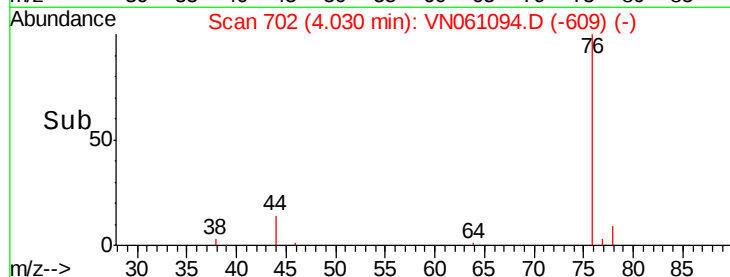
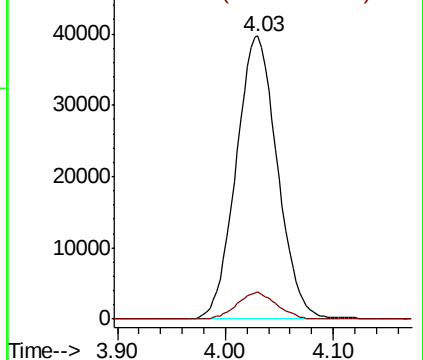
76 100

78 9.5 7.6 11.4



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 18.981 ug/l

RT: 4.28 min Scan# 781

Delta R.T. -0.00 min

Lab File: VN061094.D

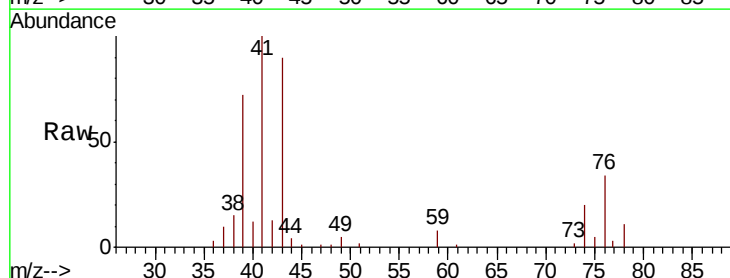
Acq: 20 Apr 2020 12:25

Tgt Ion: 43 Resp: 53639

Ion Ratio Lower Upper

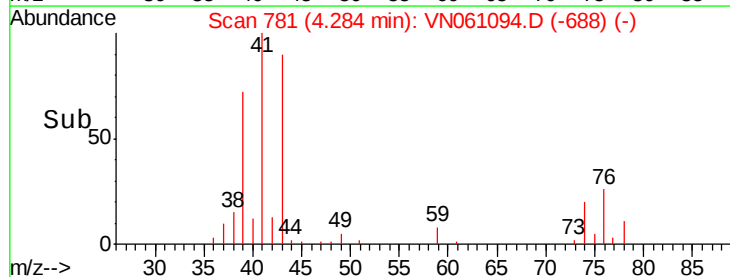
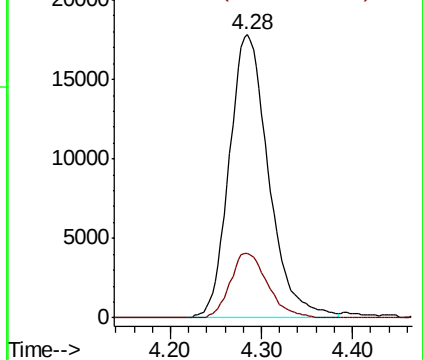
43 100

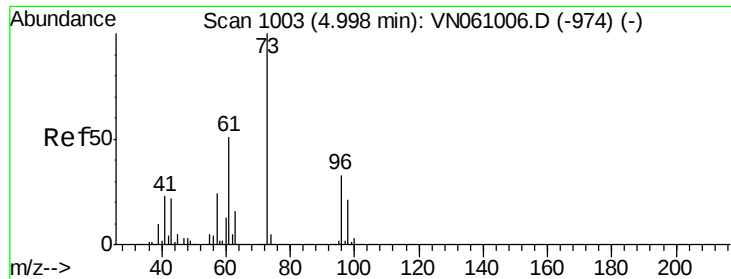
74 21.6 17.4 26.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

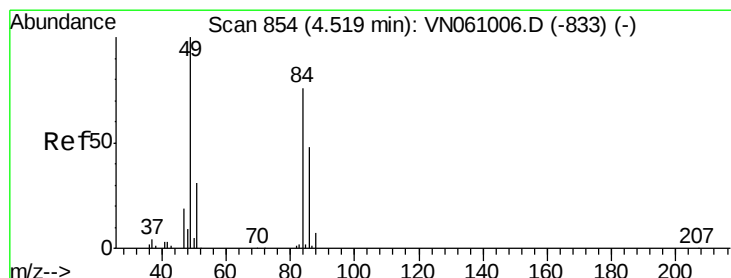
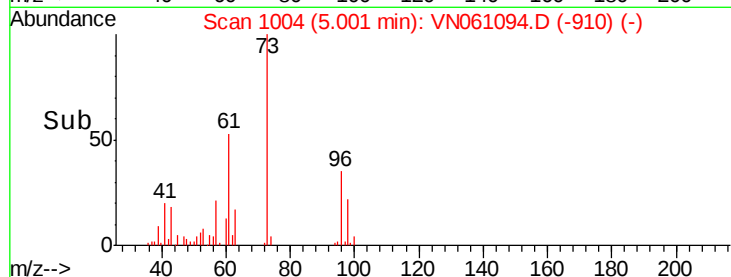
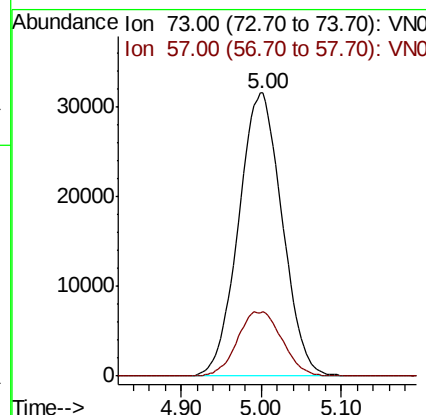
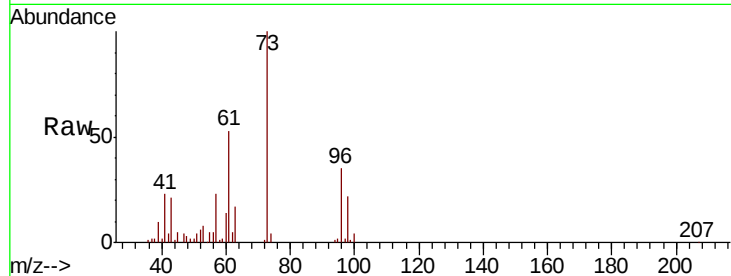




#19
Methvl tert-butvl Ether
Concen: 19.143 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. 0.00 min
Lab File: VN061094.D
Acq: 20 Apr 2020 12:25

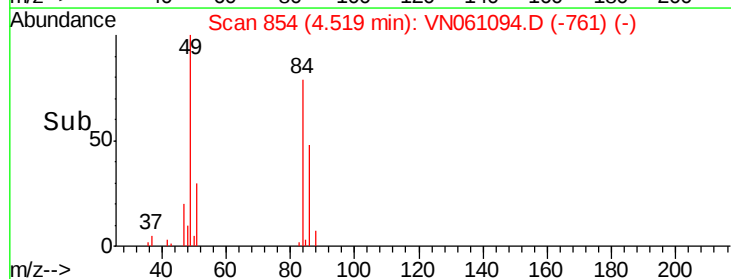
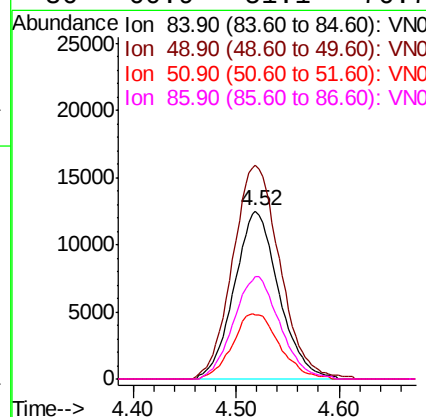
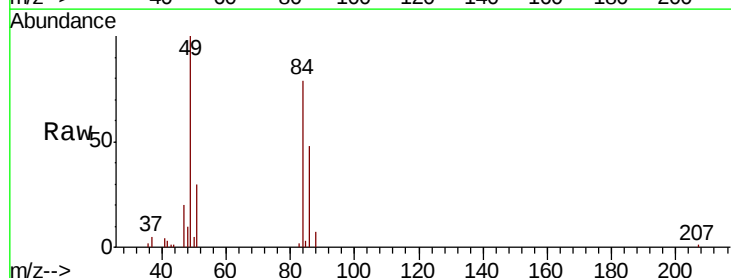
Instrument :
MSVOA_N
ClientSampleId :
VN0420WBS01

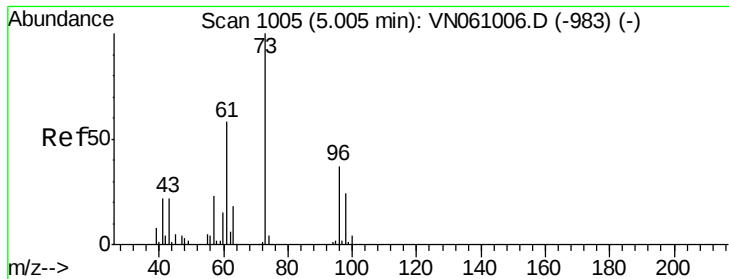
Tot Ion: 73 Resp: 116893
Ion Ratio Lower Upper
73 100
57 22.6 19.0 28.4



#20
Methylene Chloride
Concen: 19.102 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN061094.D
Acq: 20 Apr 2020 12:25

Tgt Ion: 84 Resp: 37585
Ion Ratio Lower Upper
84 100
49 127.2 105.8 158.6
51 38.5 32.4 48.6
86 60.9 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 19.635 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. 0.00 min

Lab File: VN061094.D

Acq: 20 Apr 2020 12:25

Instrument :

MSVOA_N

ClientSampleId :

VN0420WBS01

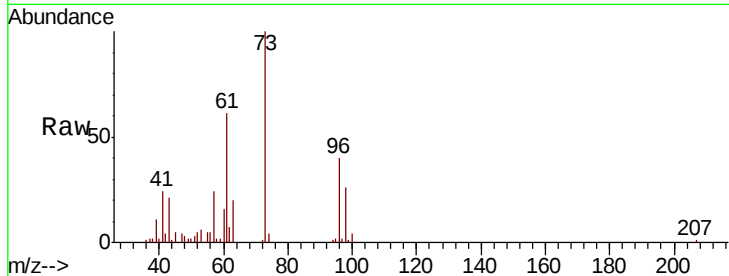
Tot Ion: 96 Resp: 36778

Ion Ratio Lower Upper

96 100

61 149.7 124.8 187.2

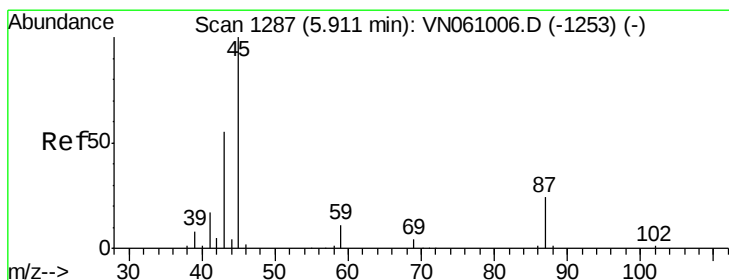
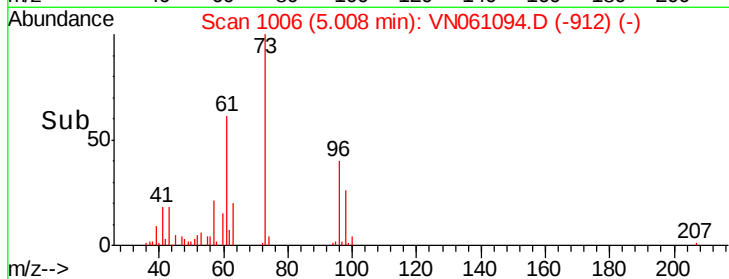
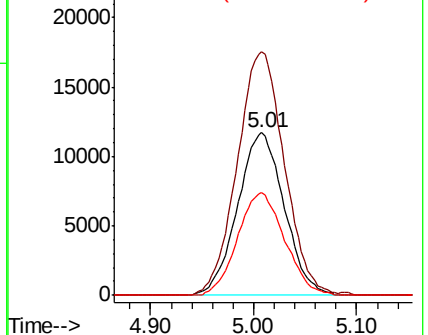
98 63.1 51.3 76.9



Abundance Ion 95.90 (95.60 to 96.60): VN061006.D (-983) (-)

Ion 60.90 (60.60 to 61.60): VN061006.D (-983) (-)

Ion 97.90 (97.60 to 98.60): VN061006.D (-983) (-)



#22

Diisopropyl ether

Concen: 19.472 ug/l

RT: 5.91 min Scan# 1287

Delta R.T. -0.00 min

Lab File: VN061094.D

Acq: 20 Apr 2020 12:25

Tgt Ion: 45 Resp: 133996

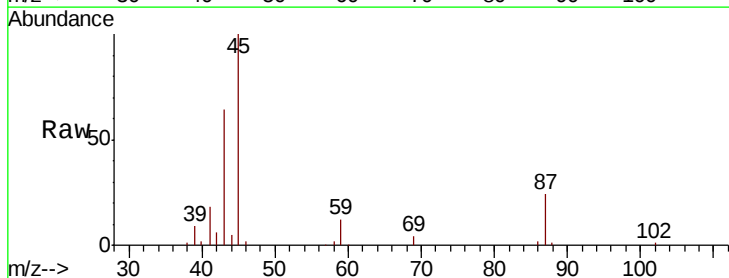
Ion Ratio Lower Upper

45 100

43 62.4 48.6 72.8

87 24.4 19.4 29.2

59 11.5 8.6 12.8

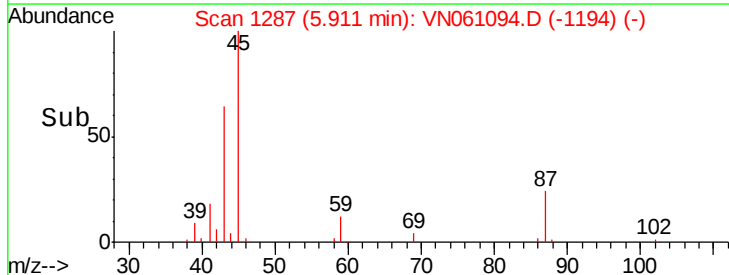
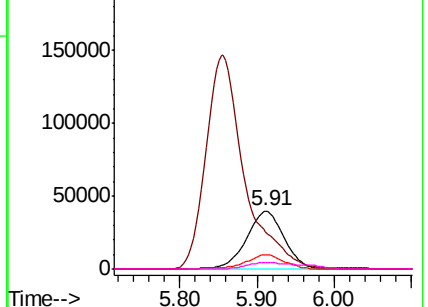


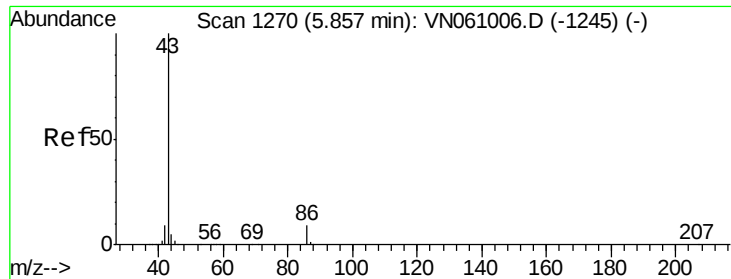
Abundance Ion 45.00 (44.70 to 45.70): VN061006.D (-1253) (-)

Ion 43.00 (42.70 to 43.70): VN061006.D (-1253) (-)

Ion 87.00 (86.70 to 87.70): VN061006.D (-1253) (-)

Ion 59.00 (58.70 to 59.70): VN061006.D (-1253) (-)





#23

Vinyl Acetate

Concen: 94.325 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VN061094.D

Acq: 20 Apr 2020 12:25

Instrument :

MSVOA_N

ClientSampleId :

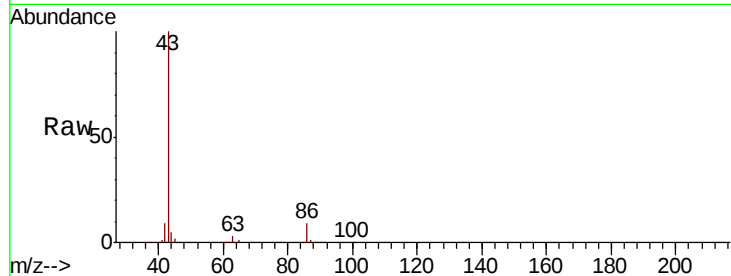
VN0420WBS01

Tot Ion: 43 Resp: 509016

Ion Ratio Lower Upper

43 100

86 8.9 7.3 10.9



Abundance Ion 43.00 (42.70 to 43.70): VN061006.D (-1245) (-)

Ion 86.00 (85.70 to 86.70): VN061006.D (-1245) (-)

5.85

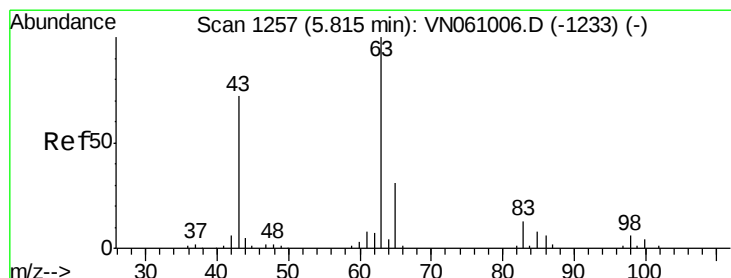
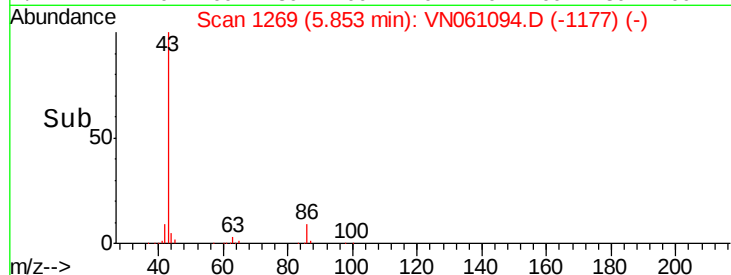
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.308 ug/l

RT: 5.81 min Scan# 1256

Delta R.T. -0.00 min

Lab File: VN061094.D

Acq: 20 Apr 2020 12:25

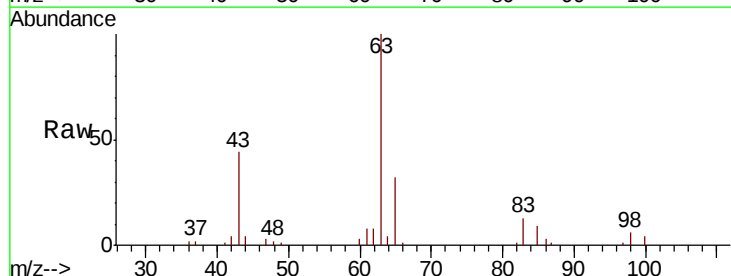
Tgt Ion: 63 Resp: 71763

Ion Ratio Lower Upper

63 100

98 6.5 2.9 8.8

100 3.9 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN061006.D (-1233) (-)

Ion 97.90 (97.60 to 98.60): VN061006.D (-1233) (-)

Ion 99.90 (99.60 to 100.60): VN061006.D (-1233) (-)

5.81

30000

25000

20000

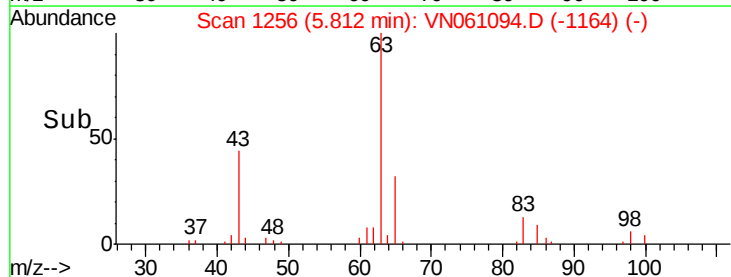
15000

10000

5000

0

Time-->





#25

2-Butanone

Concen: 89.717 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN061094.D

Acq: 20 Apr 2020 12:25

Instrument :

MSVOA_N

ClientSampleId :

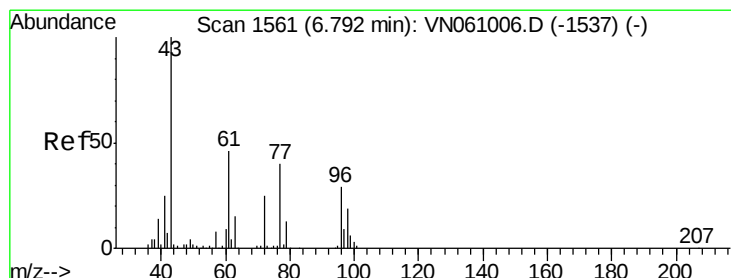
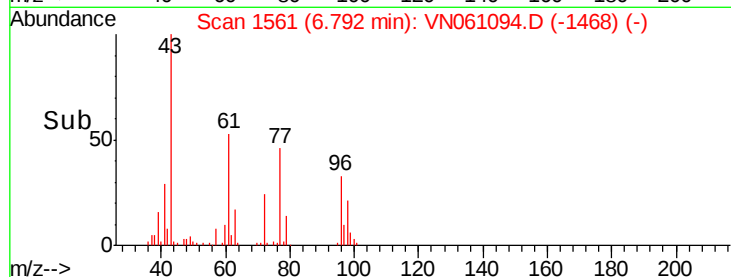
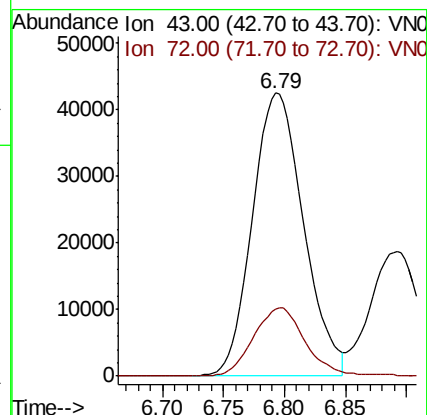
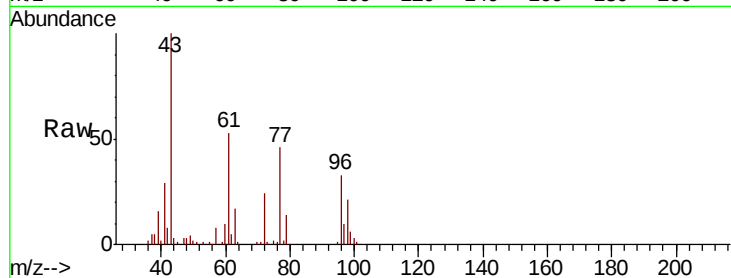
VN0420WBS01

Tot Ion: 43 Resp: 123895

Ion Ratio Lower Upper

43 100

72 23.9 19.6 29.4



#26

2,2-Dichloropropane

Concen: 19.690 ug/l

RT: 6.79 min Scan# 1560

Delta R.T. -0.00 min

Lab File: VN061094.D

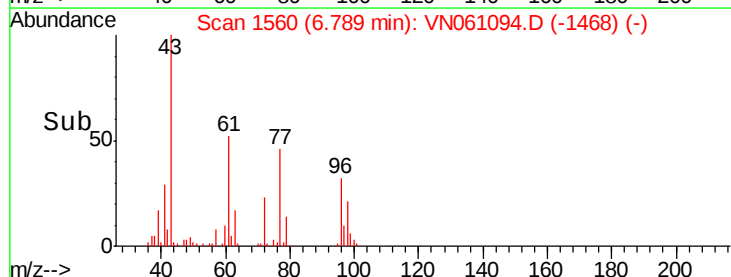
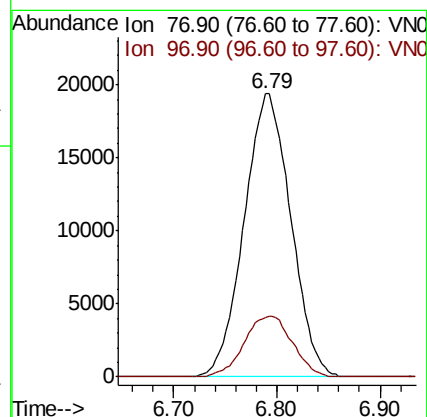
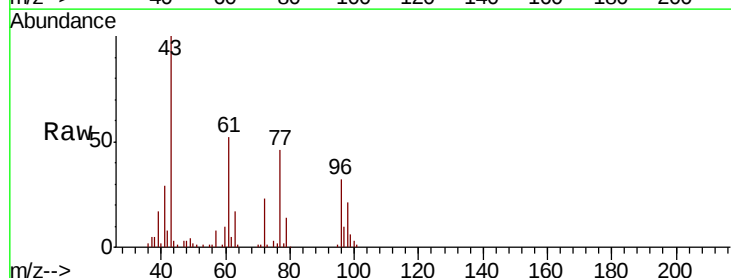
Acq: 20 Apr 2020 12:25

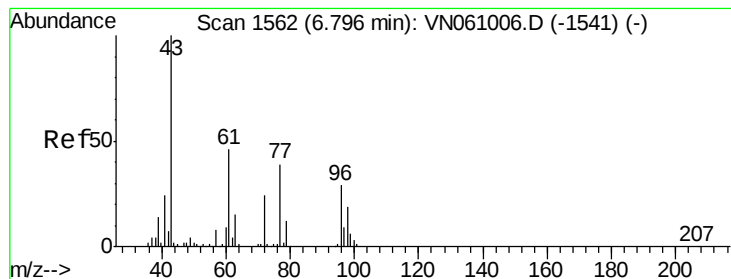
Tgt Ion: 77 Resp: 60934

Ion Ratio Lower Upper

77 100

97 22.1 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 19.442 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN061094.D

Acq: 20 Apr 2020 12:25

Instrument :

MSVOA_N

ClientSampleId :

VN0420WBS01

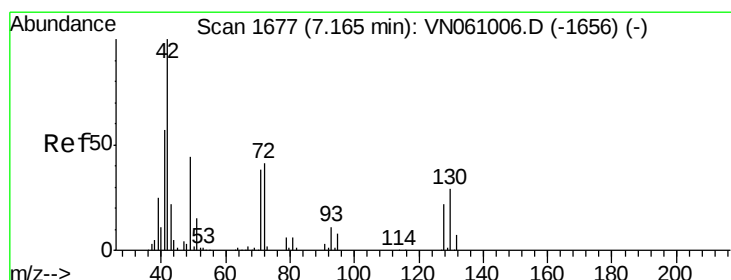
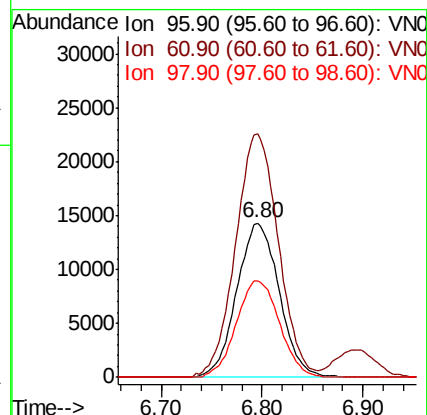
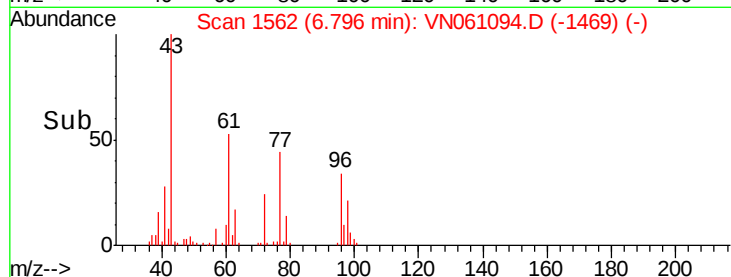
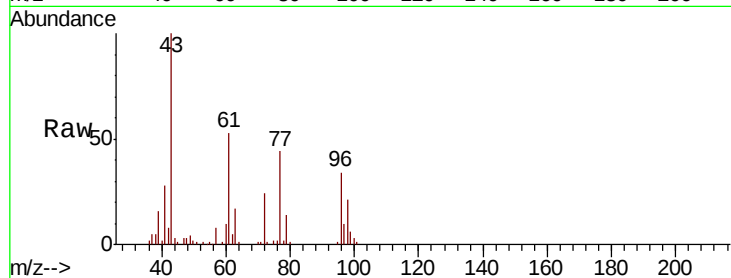
Tot Ion: 96 Resp: 41807

Ion Ratio Lower Upper

96 100

61 159.2 0.0 317.4

98 63.6 0.0 127.8



#28

Bromochloromethane

Concen: 19.738 ug/l

RT: 7.17 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VN061094.D

Acq: 20 Apr 2020 12:25

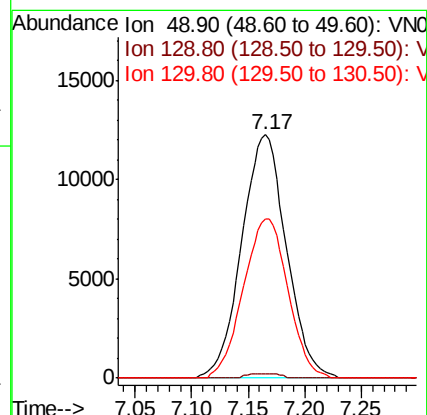
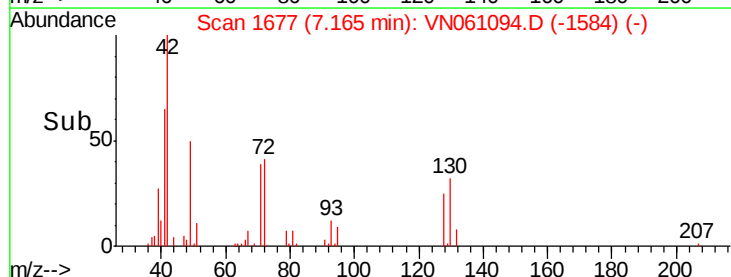
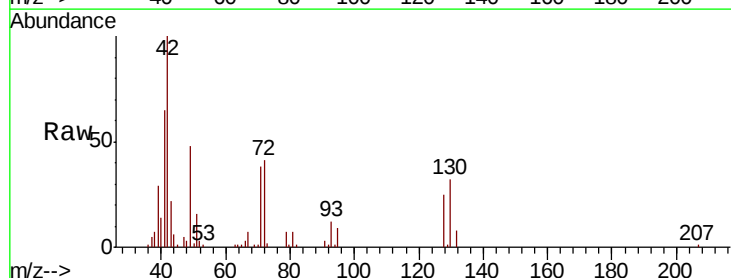
Tgt Ion: 49 Resp: 33675

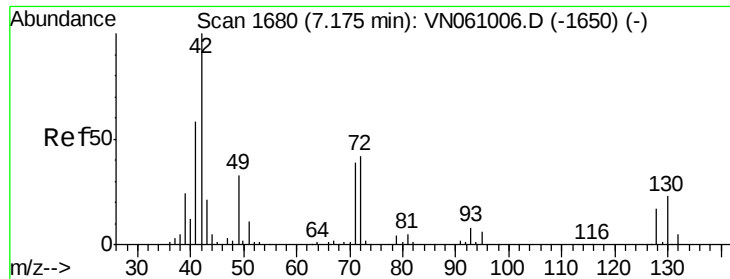
Ion Ratio Lower Upper

49 100

129 1.3 0.0 3.0

130 65.3 52.9 79.3





#29

Tetrahydrofuran

Concen: 90.745 ug/l

RT: 7.17 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VN061094.D

Acq: 20 Apr 2020 12:25

Instrument :

MSVOA_N

ClientSampleId :

VN0420WBS01

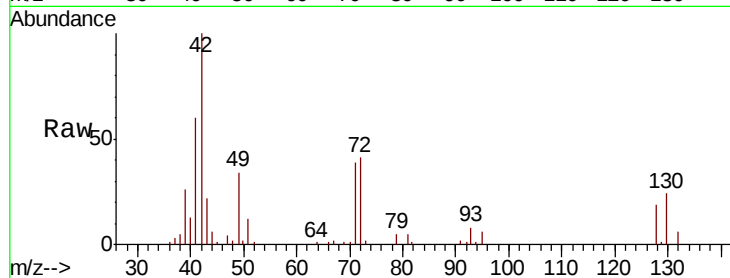
Tot Ion: 42 Resp: 85075

Ion Ratio Lower Upper

42 100

72 39.9 32.1 48.1

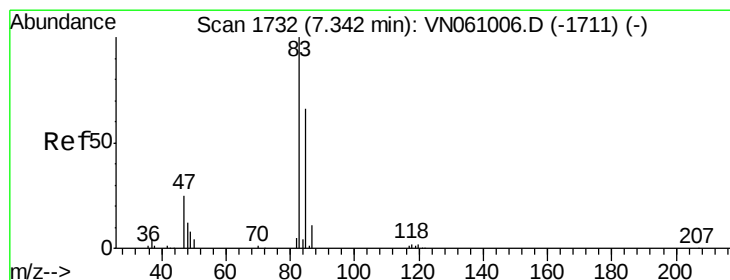
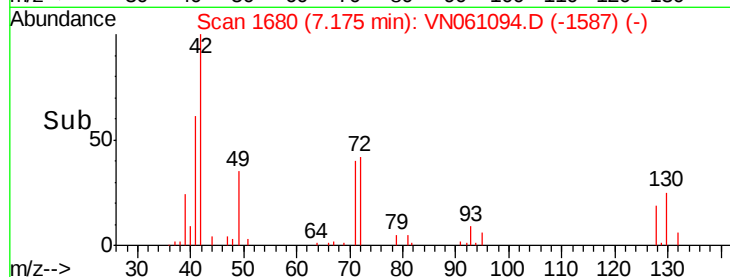
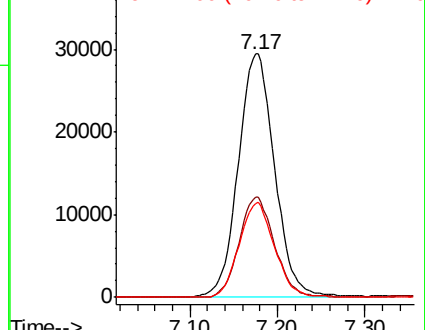
71 37.8 30.5 45.7



Abundance Ion 42.00 (41.70 to 42.70): VN061006.D (-1650) (-)

Ion 72.00 (71.70 to 72.70): VN061006.D (-1650) (-)

Ion 71.00 (70.70 to 71.70): VN061006.D (-1650) (-)



#30

Chloroform

Concen: 19.677 ug/l

RT: 7.34 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VN061094.D

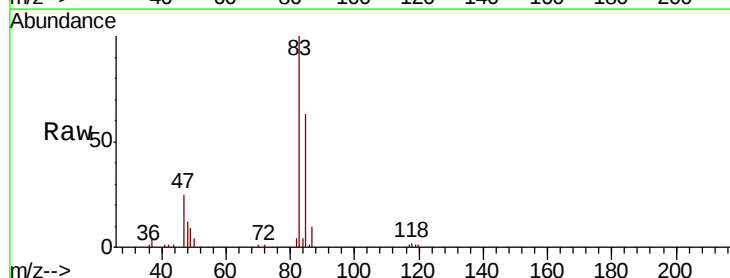
Acq: 20 Apr 2020 12:25

Tgt Ion: 83 Resp: 68213

Ion Ratio Lower Upper

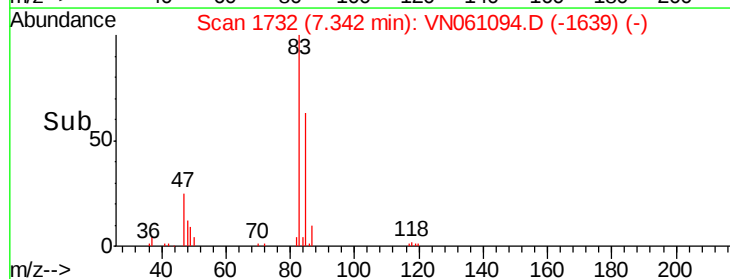
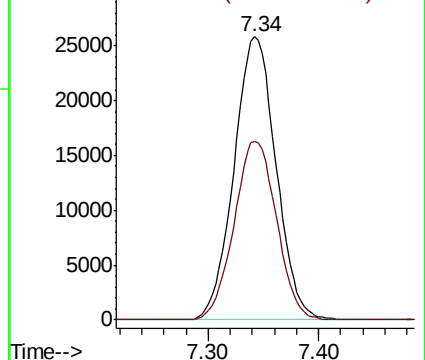
83 100

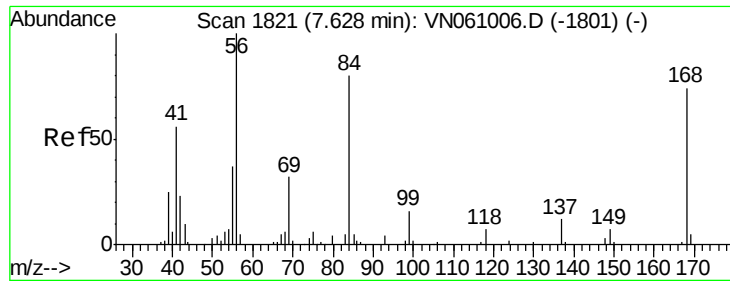
85 63.2 52.8 79.2



Abundance Ion 82.90 (82.60 to 83.60): VN061006.D (-1711) (-)

Ion 84.90 (84.60 to 85.60): VN061006.D (-1711) (-)

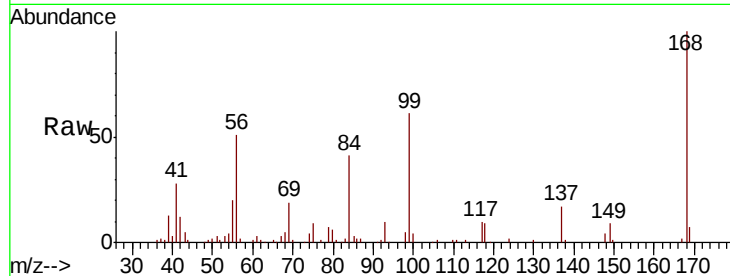




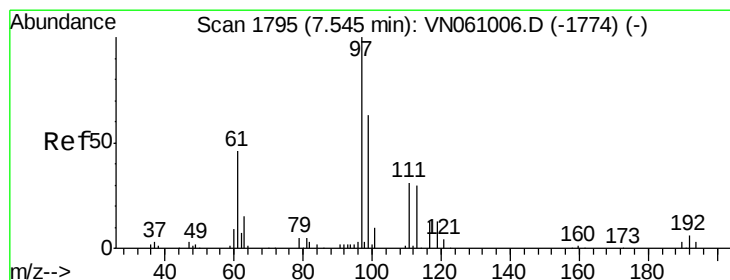
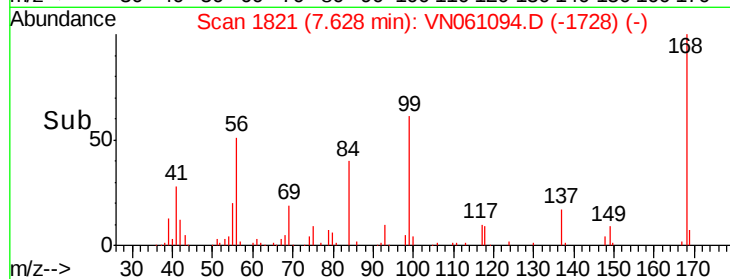
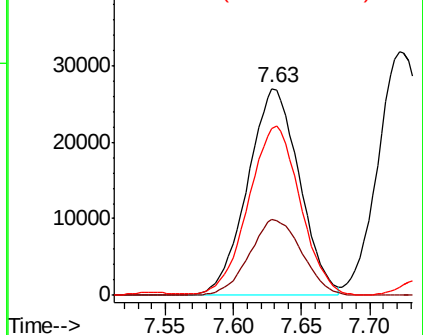
#31
Cyclohexane
Concen: 18.671 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VN061094.D
Acq: 20 Apr 2020 12:25

Instrument :
MSVOA_N
ClientSampleId :
VN0420WBS01

Tot Ion: 56 Resp: 71211
Ion Ratio Lower Upper
56 100
69 36.7 25.6 38.4
84 80.0 63.4 95.2

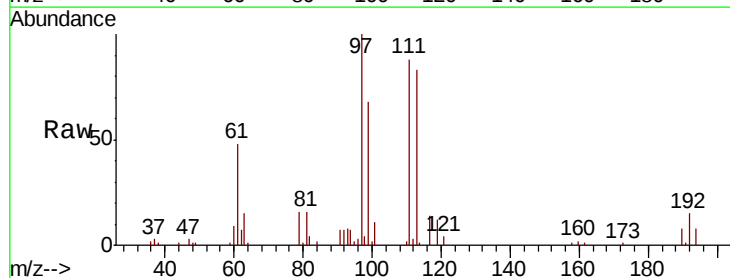


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

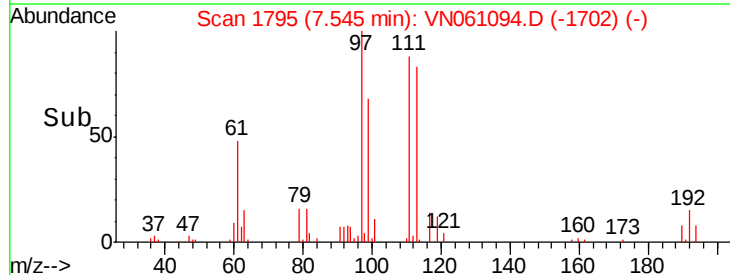
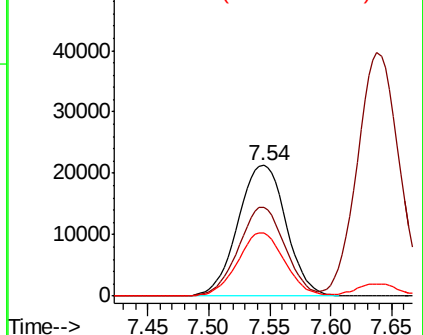


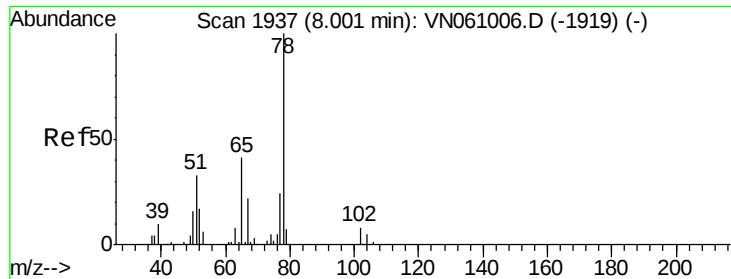
#32
1,1,1-Trichloroethane
Concen: 19.435 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN061094.D
Acq: 20 Apr 2020 12:25

Tgt Ion: 97 Resp: 58277
Ion Ratio Lower Upper
97 100
99 65.2 51.0 76.4
61 47.3 37.0 55.6



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

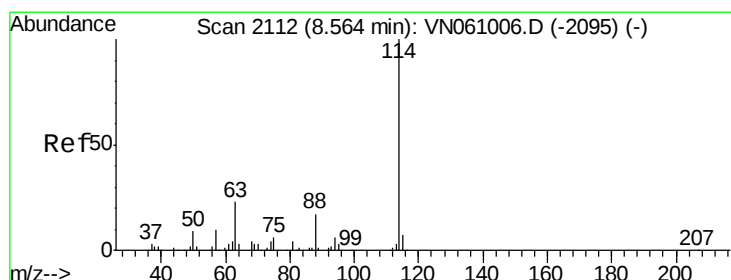
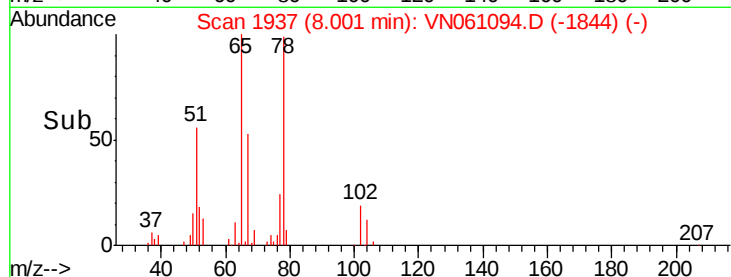
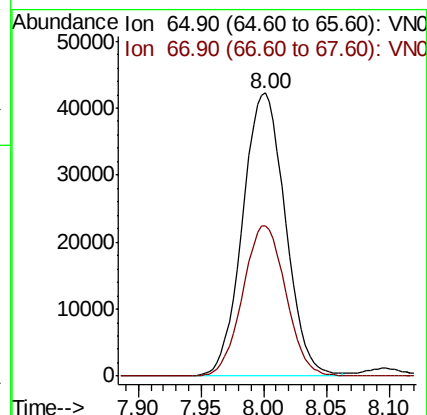
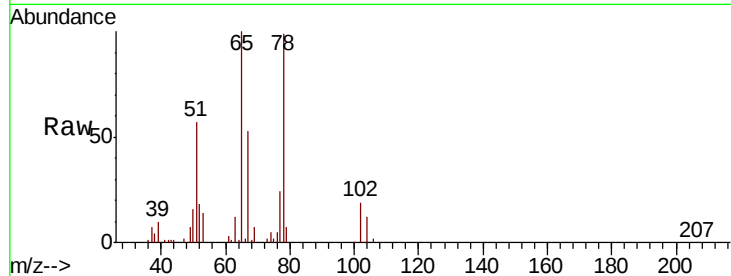




#33
 1,2-Dichloroethane-d4
 Concen: 48.895 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN061094.D
 Acq: 20 Apr 2020 12:25

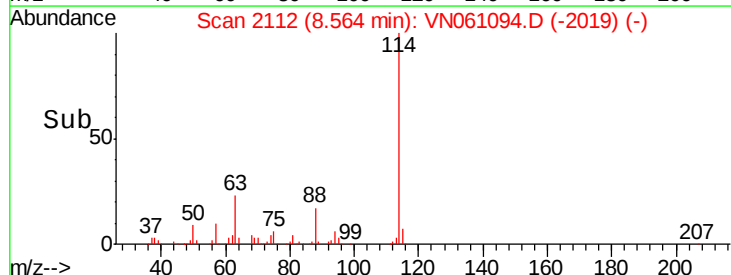
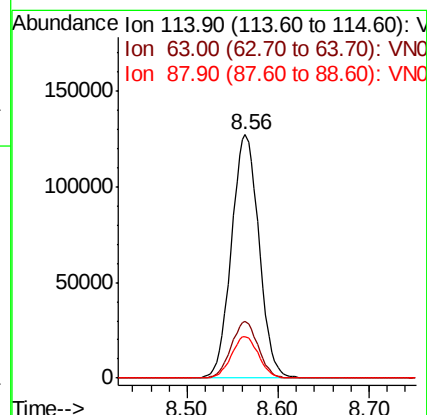
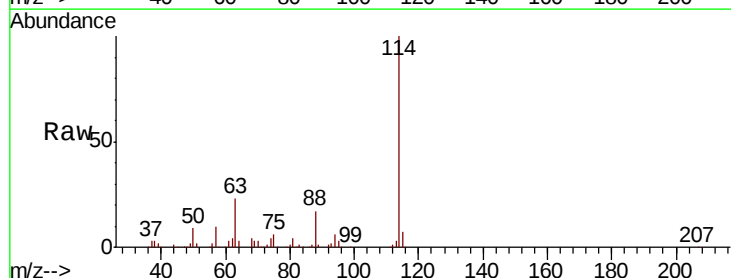
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0420WBS01

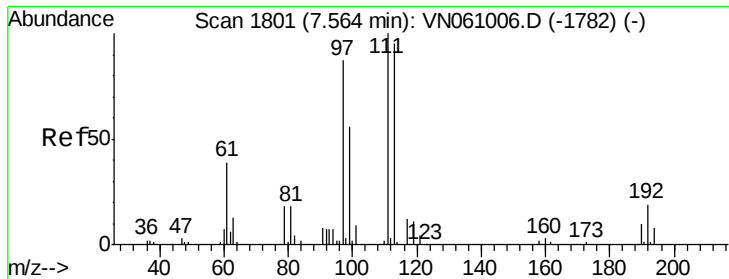
Tot Ion: 65 Resp: 100111
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN061094.D
 Acq: 20 Apr 2020 12:25

Tgt Ion: 114 Resp: 267340
 Ion Ratio Lower Upper
 114 100
 63 23.1 0.0 46.2
 88 16.9 0.0 33.4





#35

Dibromofluoromethane

Concen: 49.509 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN061094.D

Acq: 20 Apr 2020 12:25

Instrument :

MSVOA_N

ClientSampleId :

VN0420WBS01

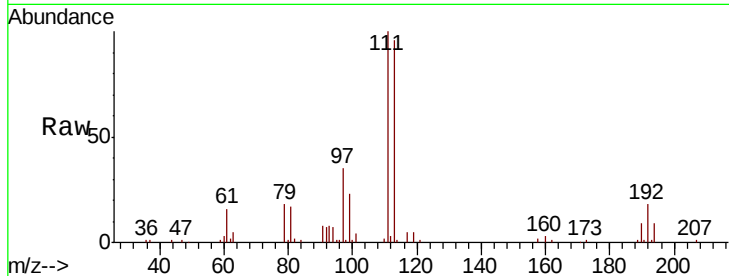
Tot Ion:113 Resp: 77295

Ion Ratio Lower Upper

113 100

111 103.6 83.4 125.2

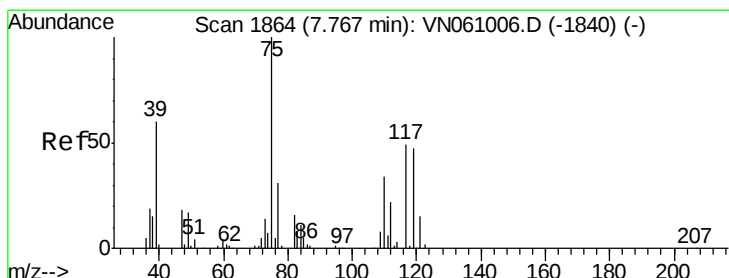
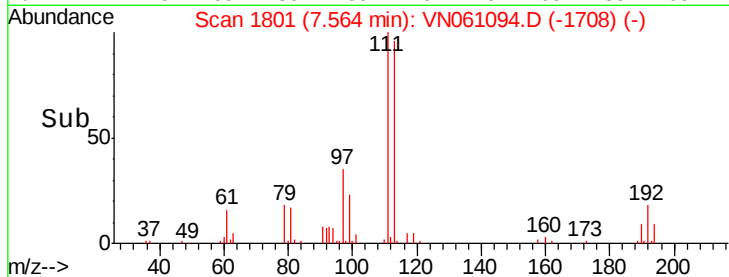
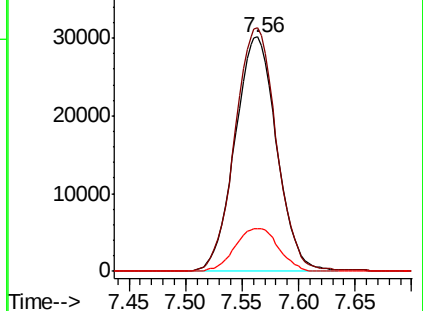
192 18.9 15.5 23.3



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 19.307 ug/l

RT: 7.77 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VN061094.D

Acq: 20 Apr 2020 12:25

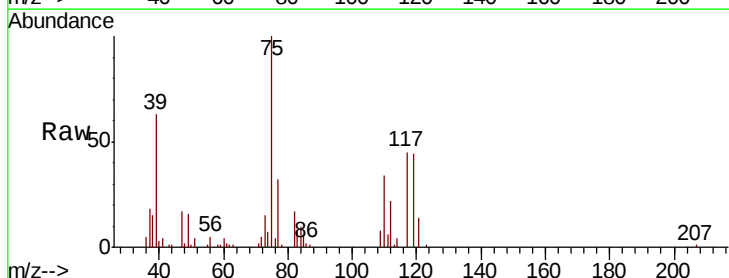
Tgt Ion: 75 Resp: 53263

Ion Ratio Lower Upper

75 100

110 32.8 16.8 50.3

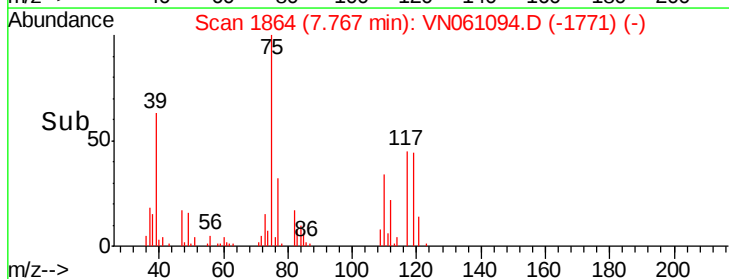
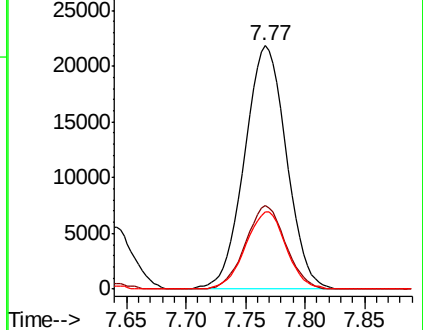
77 30.8 24.7 37.1

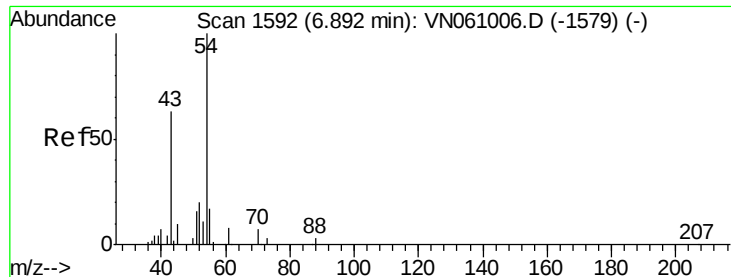


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0

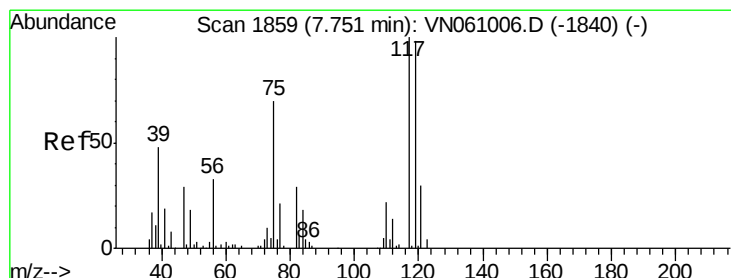
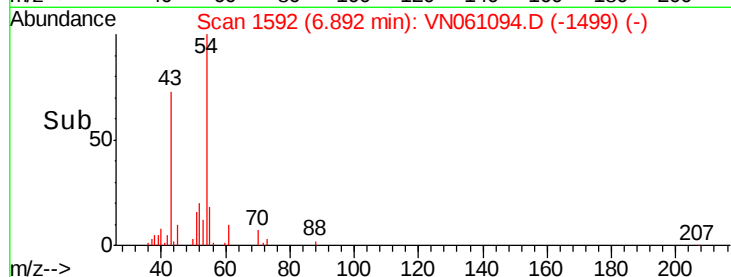
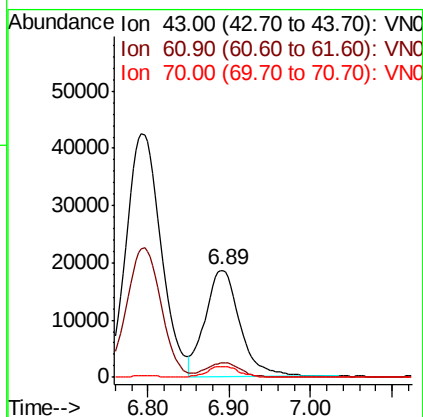
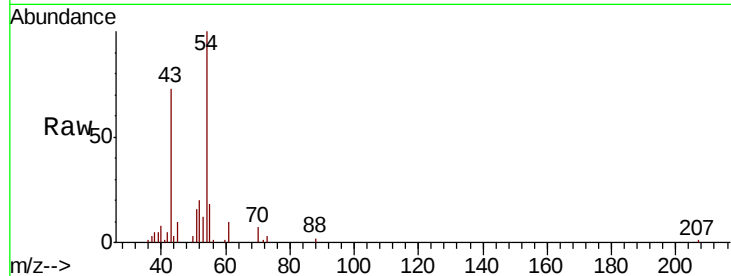




#37
Ethyl Acetate
Concen: 18.670 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN061094.D
Acq: 20 Apr 2020 12:25

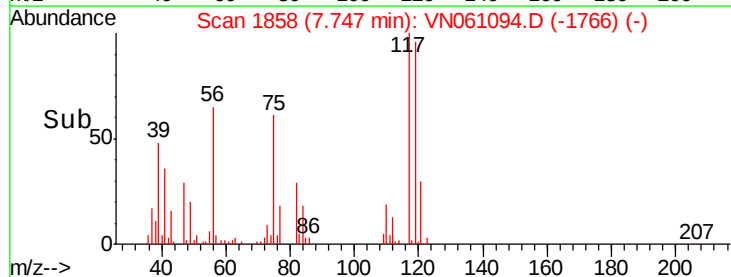
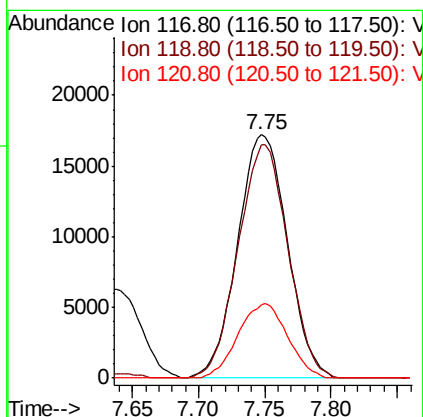
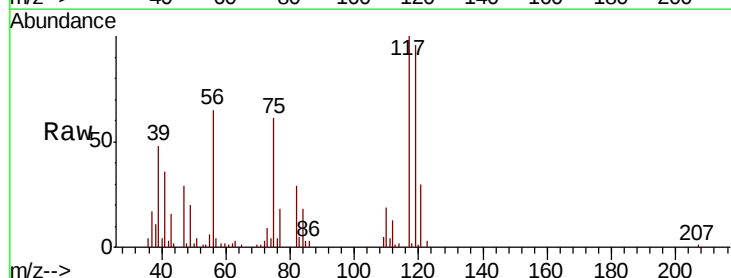
Instrument :
MSVOA_N
ClientSampled :
VN0420WBS01

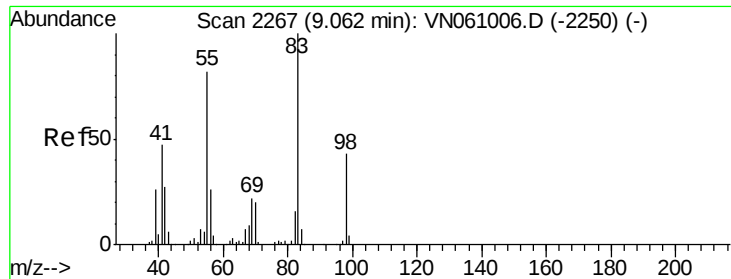
Tot Ion: 43 Resp: 55926
Ion Ratio Lower Upper
43 100
61 13.1 10.9 16.3
70 9.5 7.7 11.5



#38
Carbon Tetrachloride
Concen: 19.549 ug/l
RT: 7.75 min Scan# 1858
Delta R.T. -0.00 min
Lab File: VN061094.D
Acq: 20 Apr 2020 12:25

Tgt Ion: 117 Resp: 44890
Ion Ratio Lower Upper
117 100
119 95.6 78.1 117.1
121 29.9 24.0 36.0

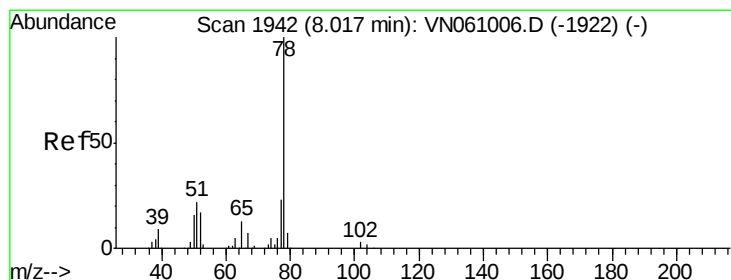
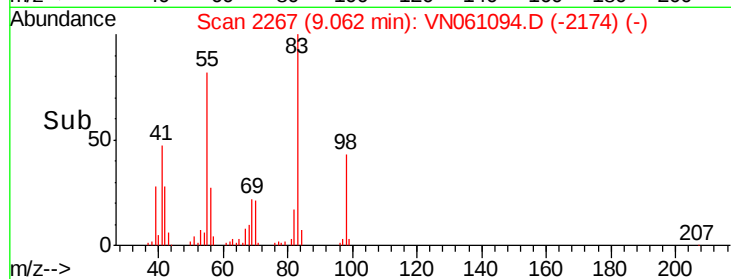
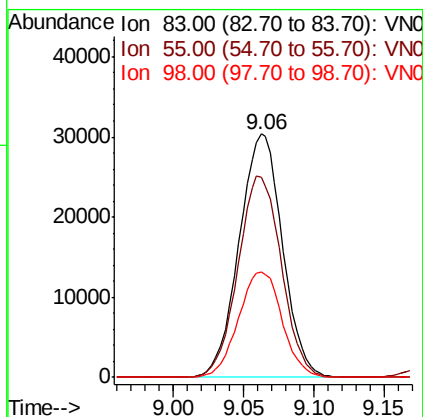
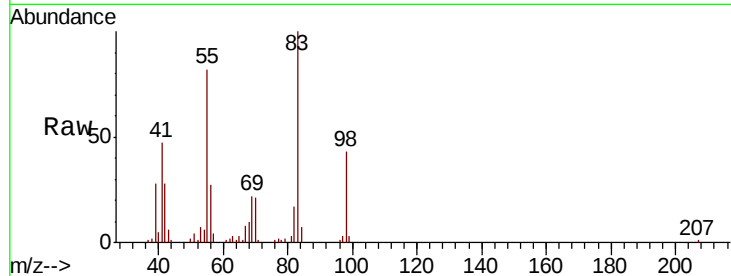




#39
Methvlcvclohexane
Concen: 19.748 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN061094.D
Acq: 20 Apr 2020 12:25

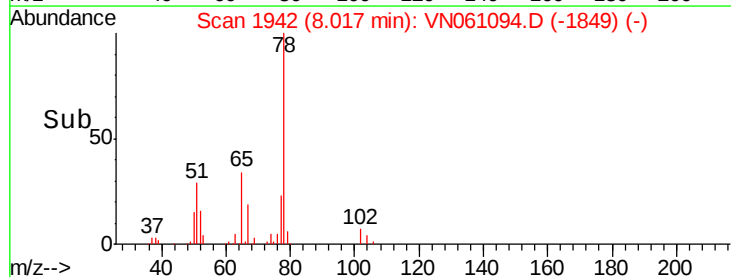
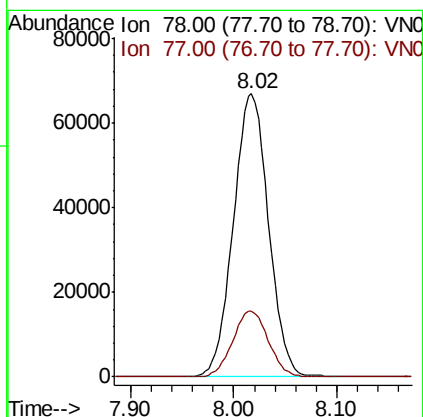
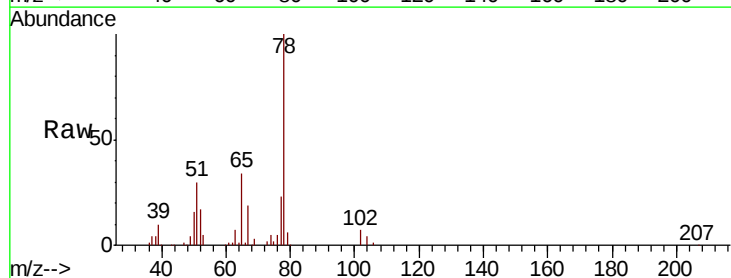
Instrument :
MSVOA_N
ClientSampleId :
VN0420WBS01

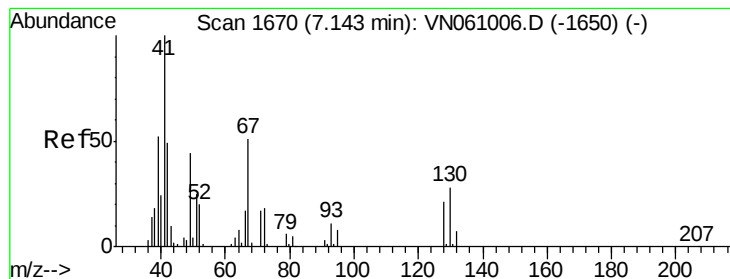
Tot Ion: 83 Resp: 65134
Ion Ratio Lower Upper
83 100
55 82.3 65.4 98.0
98 43.1 34.6 51.8



#40
Benzene
Concen: 19.375 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN061094.D
Acq: 20 Apr 2020 12:25

Tgt Ion: 78 Resp: 158567
Ion Ratio Lower Upper
78 100
77 23.3 18.8 28.2





#41

Methacrylonitrile

Concen: 20.429 ug/l

RT: 7.14 min Scan# 1669

Delta R.T. -0.00 min

Lab File: VN061094.D

Acq: 20 Apr 2020 12:25

Instrument :

MSVOA_N

ClientSampled :

VN0420WBS01

Tot Ion: 41 Resp: 25524

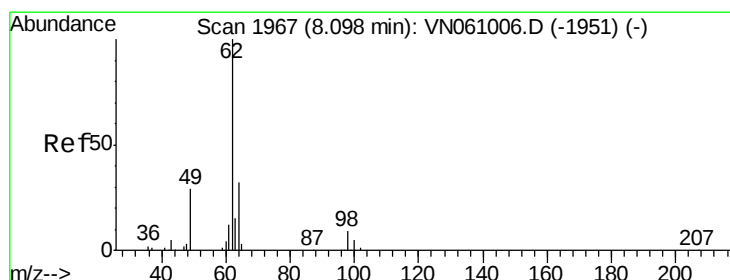
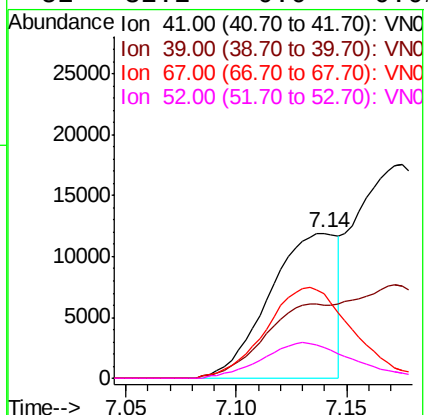
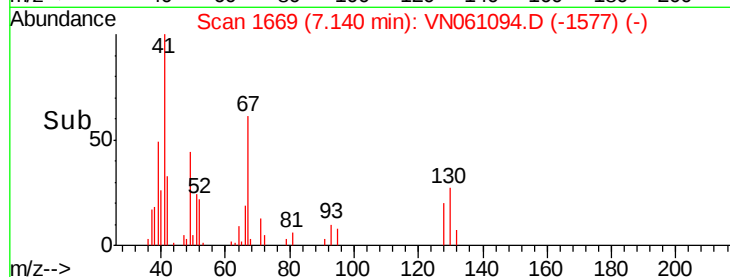
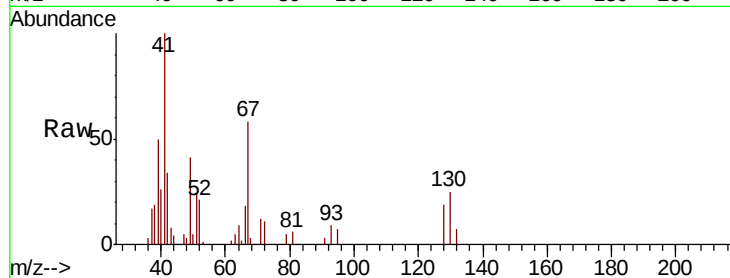
Ion Ratio Lower Upper

41 100

39 49.3 0.0 0.0#

67 79.6 0.0 0.0#

52 32.2 0.0 0.0#



#42

1,2-Dichloroethane

Concen: 19.804 ug/l

RT: 8.10 min Scan# 1967

Delta R.T. -0.00 min

Lab File: VN061094.D

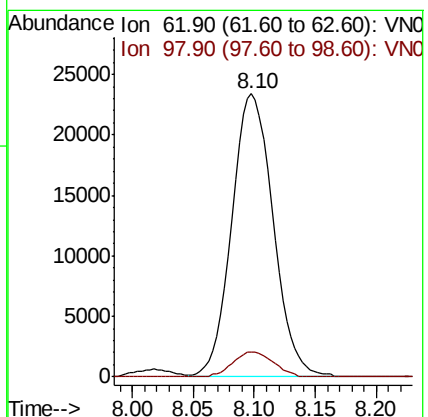
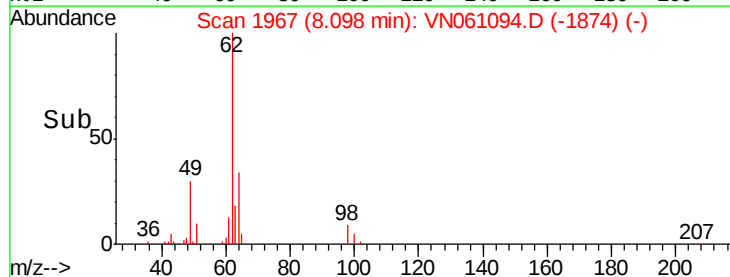
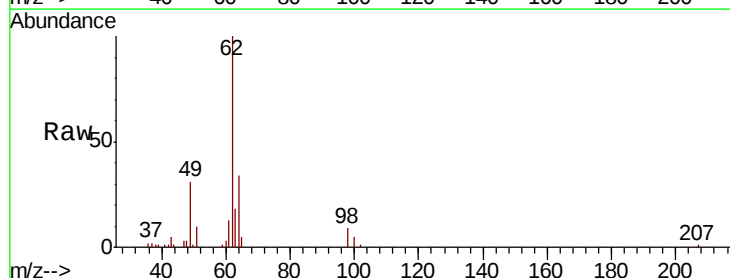
Acq: 20 Apr 2020 12:25

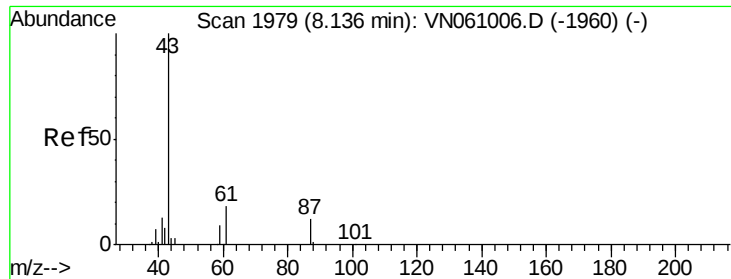
Tgt Ion: 62 Resp: 55213

Ion Ratio Lower Upper

62 100

98 8.6 0.0 17.2

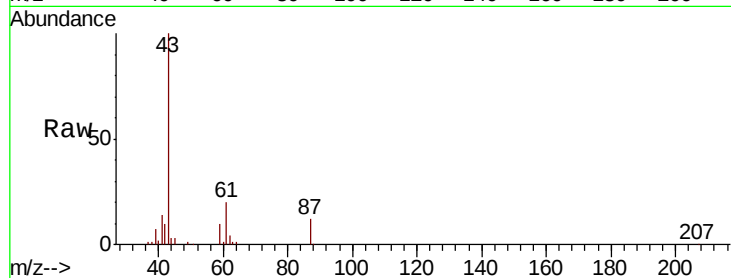




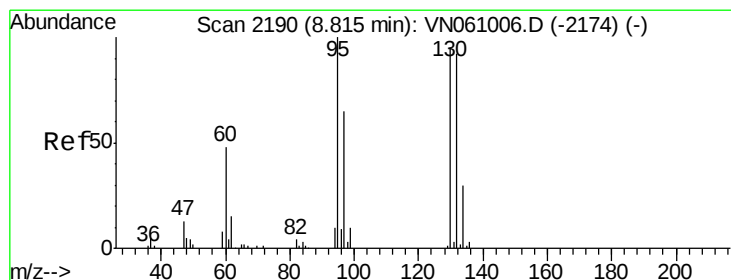
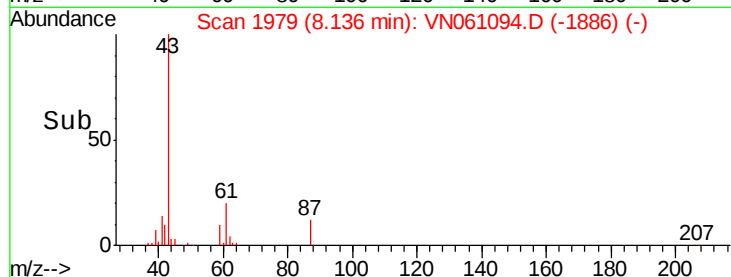
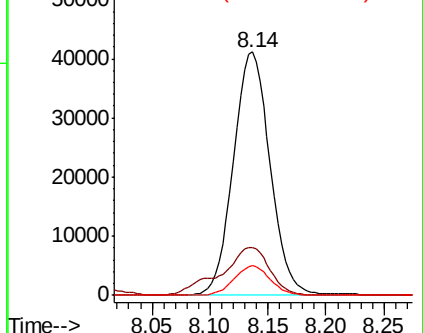
#43
Isopropyl Acetate
Concen: 18.639 ug/l
RT: 8.14 min Scan# 1979
Delta R.T. -0.00 min
Lab File: VN061094.D
Acq: 20 Apr 2020 12:25

Instrument :
MSVOA_N
ClientSampleId :
VN0420WBS01

Tot Ion: 43 Resp: 90805
Ion Ratio Lower Upper
43 100
61 25.9 20.3 30.5
87 11.8 9.4 14.2

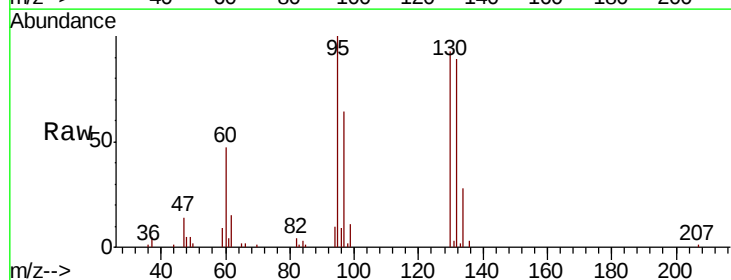


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 87.00 (86.70 to 87.70): VN0

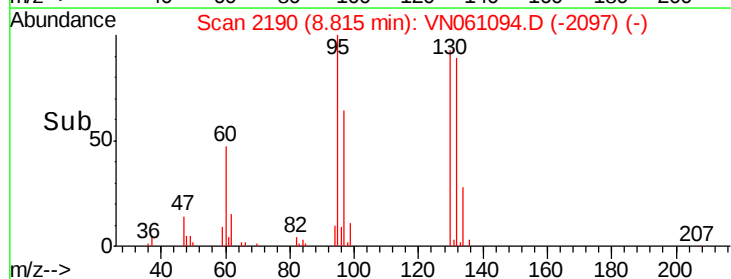
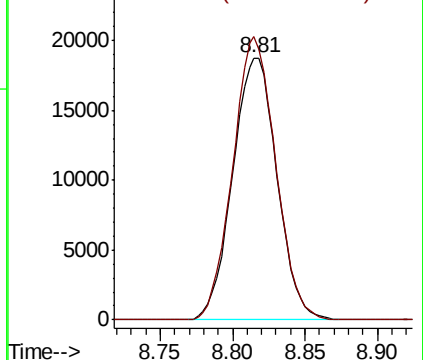


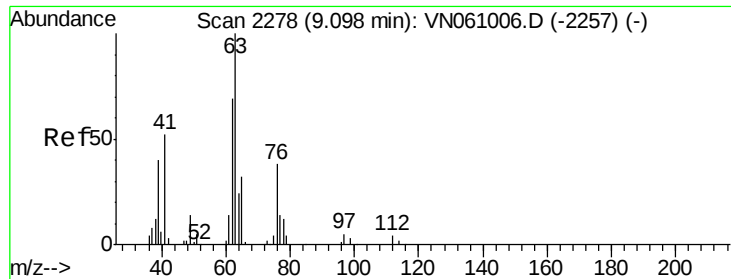
#44
Trichloroethene
Concen: 19.335 ug/l
RT: 8.81 min Scan# 2190
Delta R.T. -0.00 min
Lab File: VN061094.D
Acq: 20 Apr 2020 12:25

Tgt Ion:130 Resp: 39761
Ion Ratio Lower Upper
130 100
95 108.0 0.0 210.0



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VN0

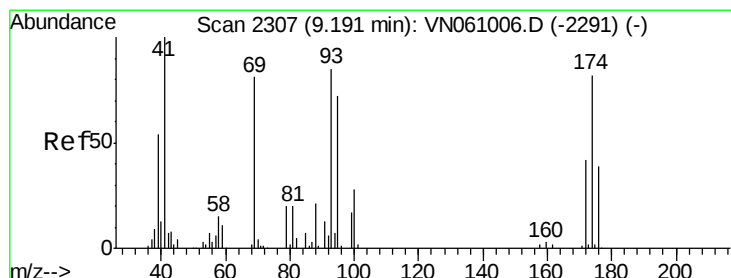
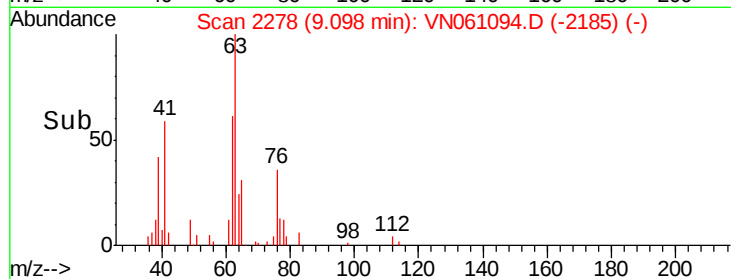
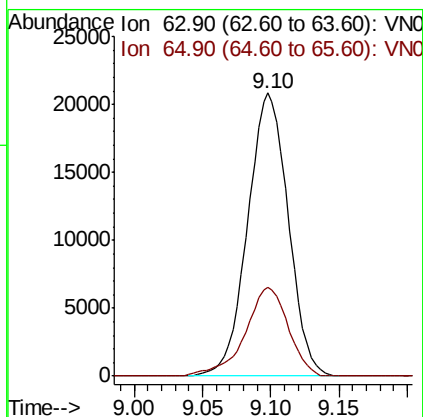
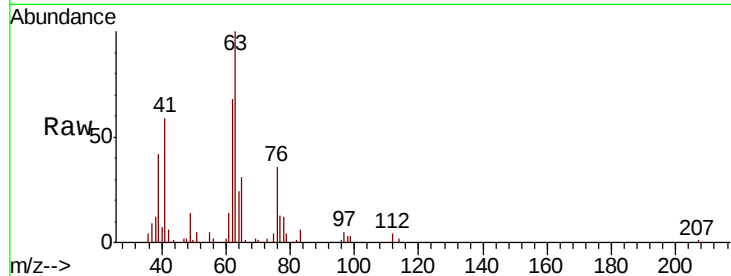




#45
 1,2-Dichloropropane
 Concen: 19.464 ug/l
 RT: 9.10 min Scan# 2278
 Delta R.T. -0.00 min
 Lab File: VN061094.D
 Acq: 20 Apr 2020 12:25

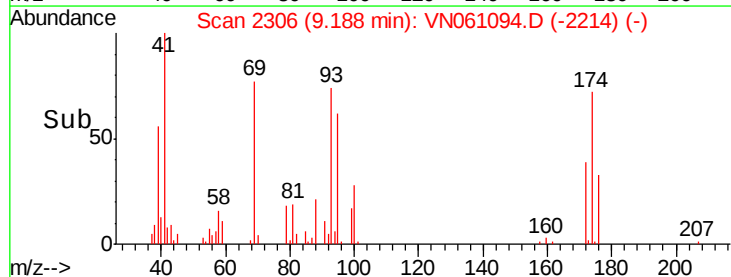
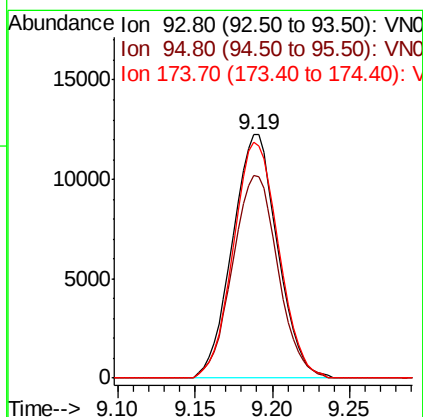
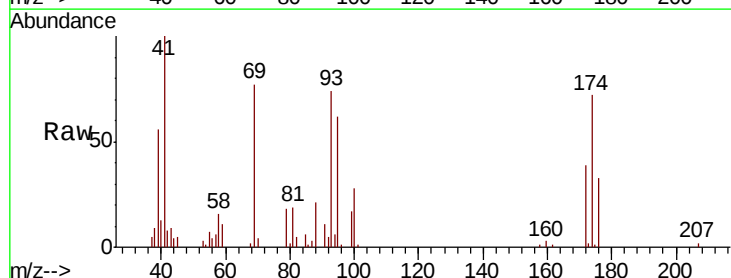
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0420WBS01

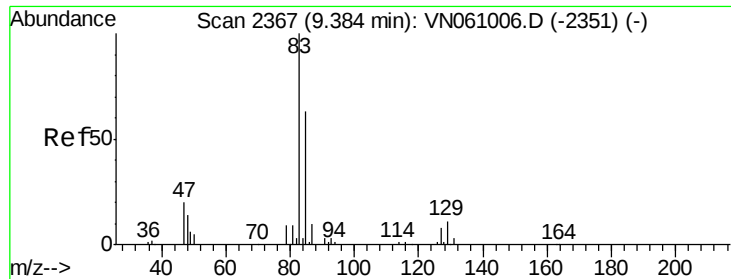
Tot Ion: 63 Resp: 43026
 Ion Ratio Lower Upper
 63 100
 65 31.5 25.2 37.8



#46
 Dibromomethane
 Concen: 19.570 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VN061094.D
 Acq: 20 Apr 2020 12:25

Tgt Ion: 93 Resp: 24943
 Ion Ratio Lower Upper
 93 100
 95 83.2 66.8 100.2
 174 97.0 76.2 114.4

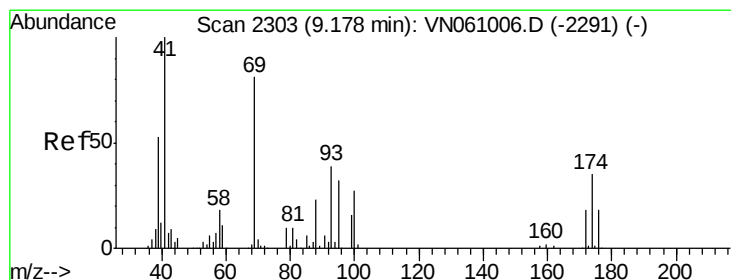
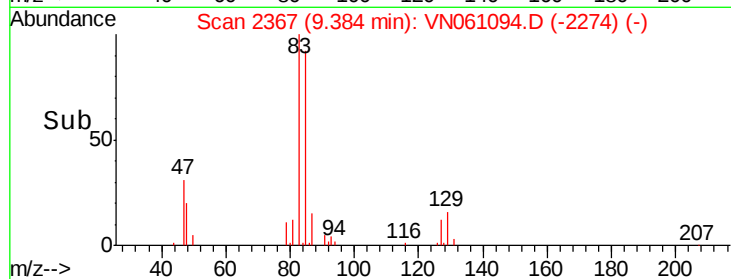
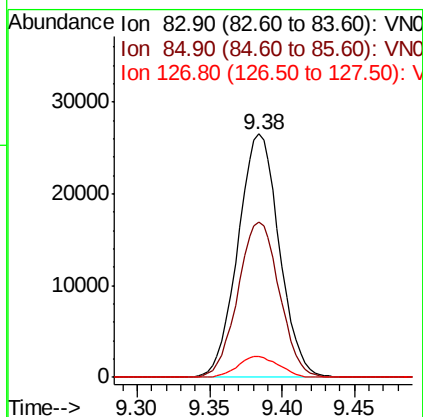
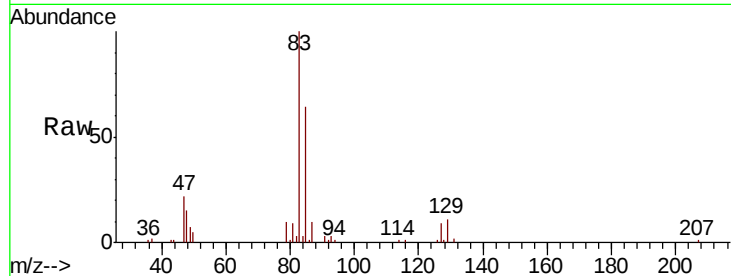




#47
Bromodichloromethane
Concen: 19.515 ug/l
RT: 9.38 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN061094.D
Acq: 20 Apr 2020 12:25

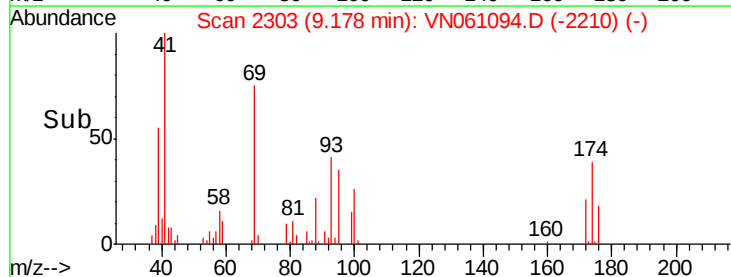
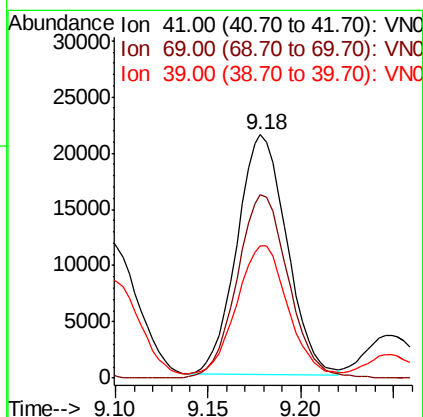
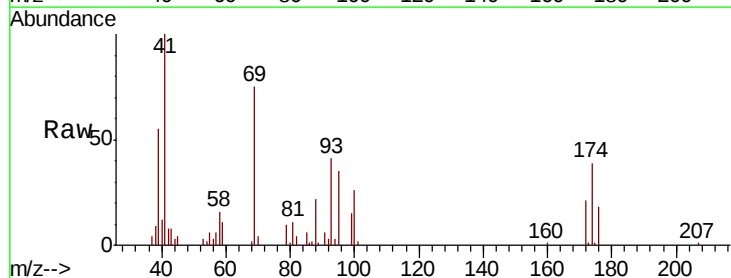
Instrument :
MSVOA_N
ClientSampleId :
VN0420WBS01

Tot Ion: 83 Resp: 52544
Ion Ratio Lower Upper
83 100
85 63.7 50.6 76.0
127 8.5 6.1 9.1



#48
Methyl methacrylate
Concen: 18.424 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.00 min
Lab File: VN061094.D
Acq: 20 Apr 2020 12:25

Tgt Ion: 41 Resp: 39667
Ion Ratio Lower Upper
41 100
69 78.8 65.3 97.9
39 54.7 45.2 67.8

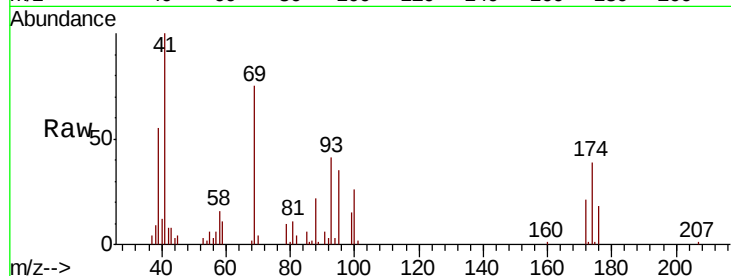




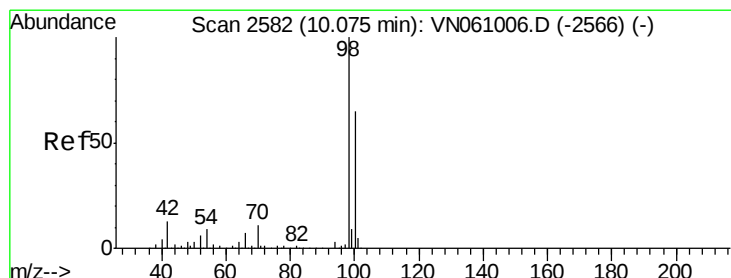
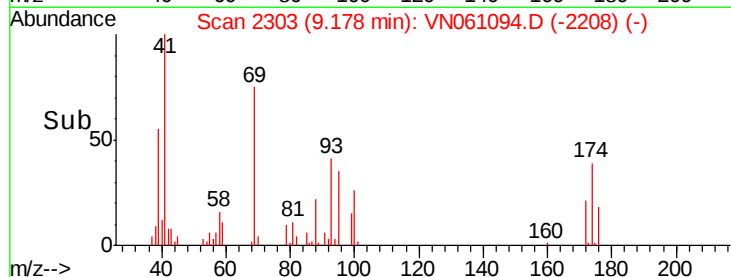
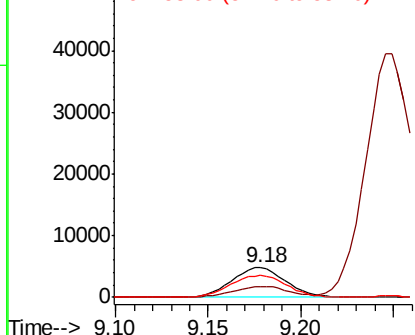
#49
1,4-Dioxane
Concen: 332.965 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN061094.D
Acq: 20 Apr 2020 12:25

Instrument :
MSVOA_N
ClientSampleId :
VN0420WBS01

Tot Ion: 88 Resp: 9676
Ion Ratio Lower Upper
88 100
43 38.5 30.9 46.3
58 76.9 59.8 89.8

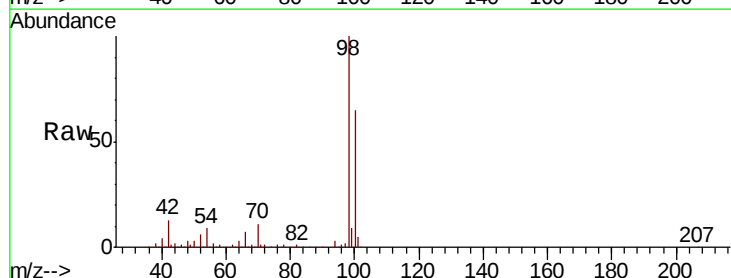


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

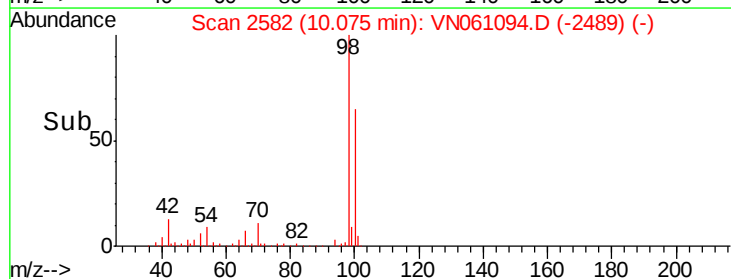
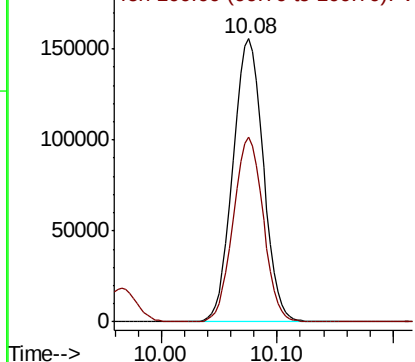


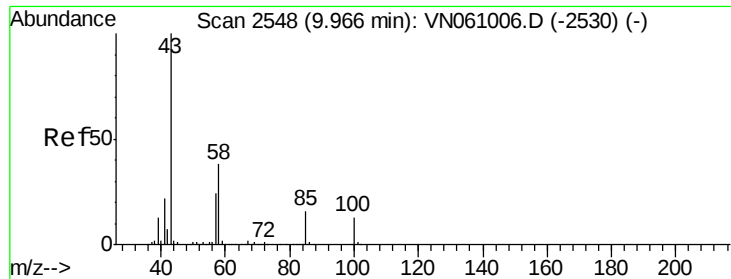
#50
Toluene-d8
Concen: 47.786 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN061094.D
Acq: 20 Apr 2020 12:25

Tgt Ion: 98 Resp: 281918
Ion Ratio Lower Upper
98 100
100 64.6 51.9 77.9



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: 92.620 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN061094.D

Acq: 20 Apr 2020 12:25

Instrument :

MSVOA_N

ClientSampleId :

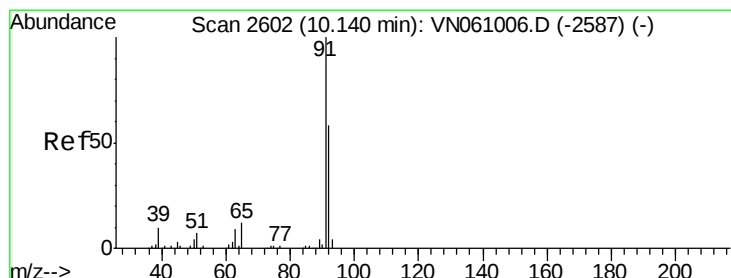
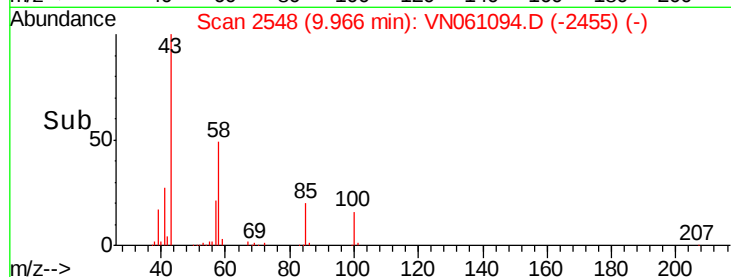
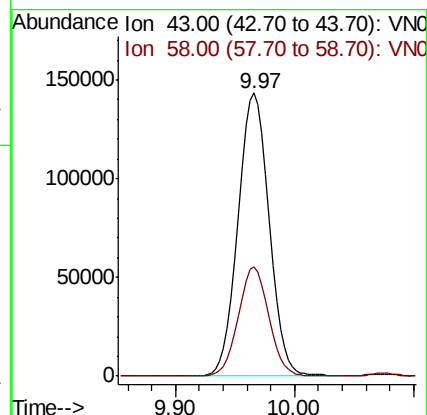
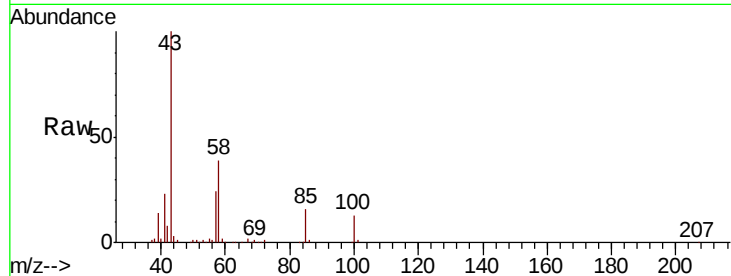
VN0420WBS01

Tot Ion: 43 Resp: 260118

Ion Ratio Lower Upper

43 100

58 37.8 30.3 45.5



#52

Toluene

Concen: 19.332 ug/l

RT: 10.14 min Scan# 2602

Delta R.T. -0.00 min

Lab File: VN061094.D

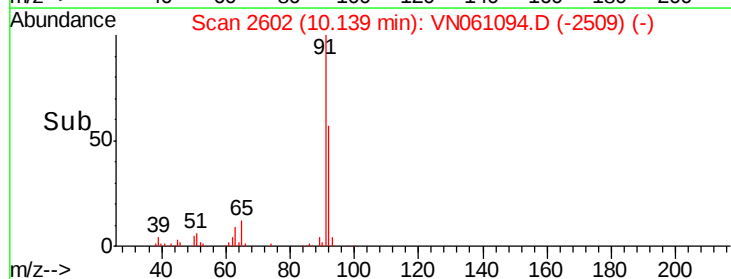
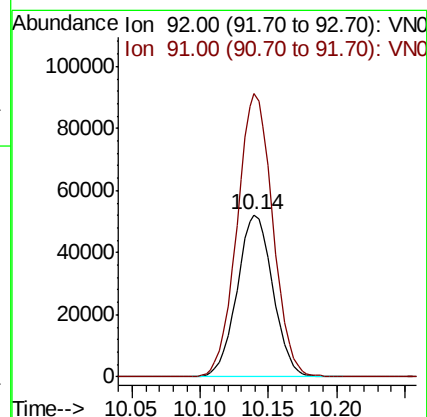
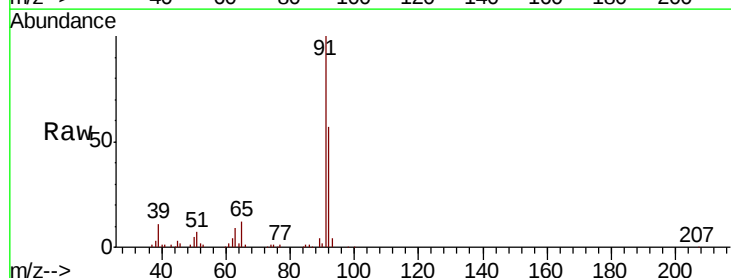
Acq: 20 Apr 2020 12:25

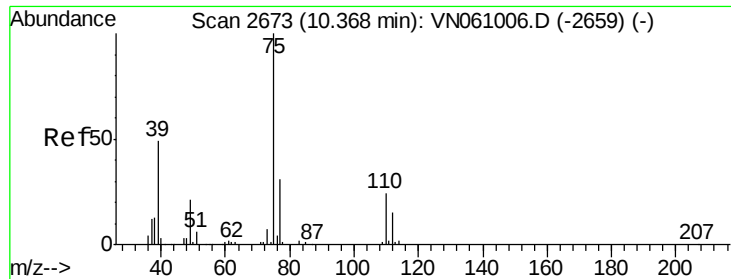
Tgt Ion: 92 Resp: 94918

Ion Ratio Lower Upper

92 100

91 174.2 137.7 206.5





#53

t-1,3-Dichloropropene

Concen: 19.151 ug/l

RT: 10.37 min Scan# 2673

Delta R.T. -0.00 min

Lab File: VN061094.D

Acq: 20 Apr 2020 12:25

Instrument :

MSVOA_N

ClientSampleId :

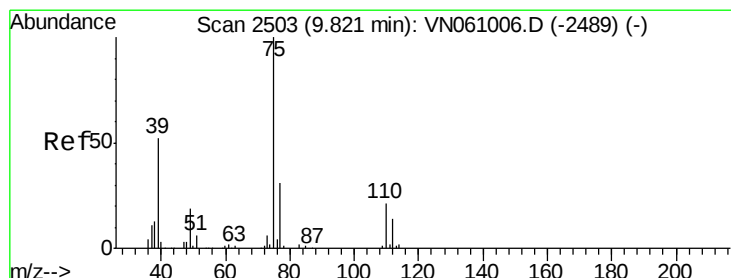
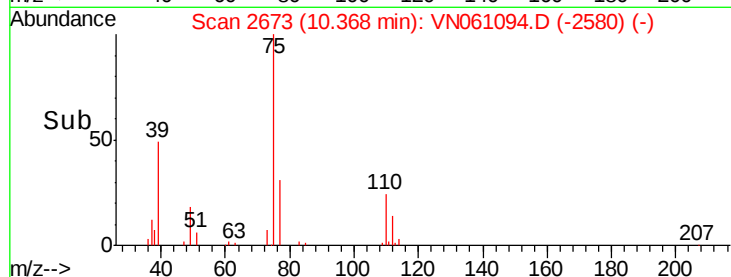
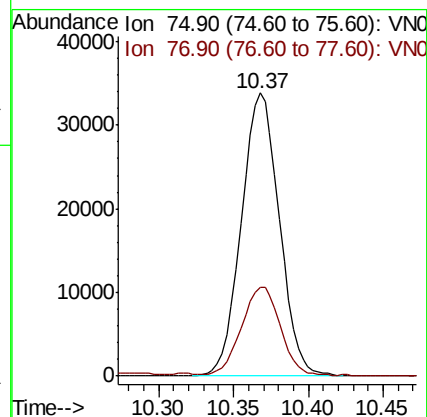
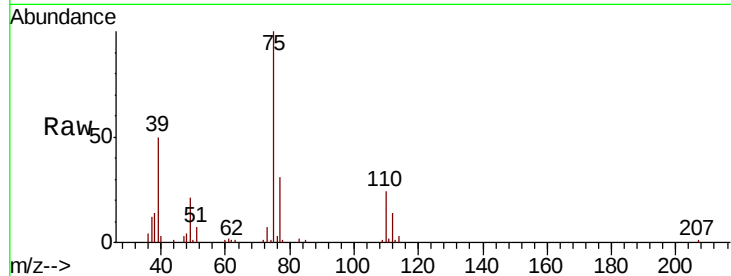
VN0420WBS01

Tot Ion: 75 Resp: 59895

Ion Ratio Lower Upper

75 100

77 30.8 25.0 37.6



#54

cis-1,3-Dichloropropene

Concen: 19.226 ug/l

RT: 9.82 min Scan# 2503

Delta R.T. -0.00 min

Lab File: VN061094.D

Acq: 20 Apr 2020 12:25

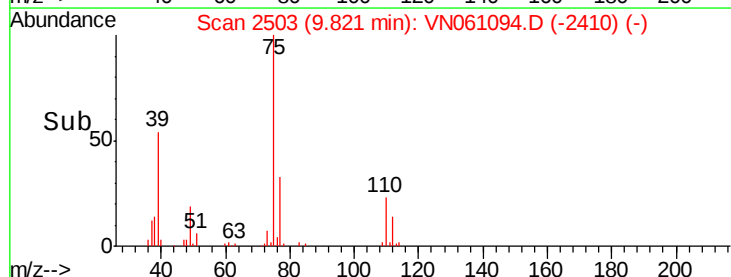
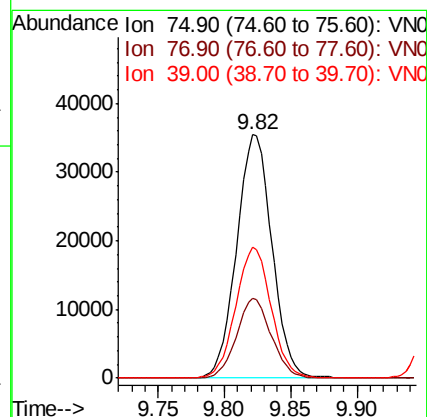
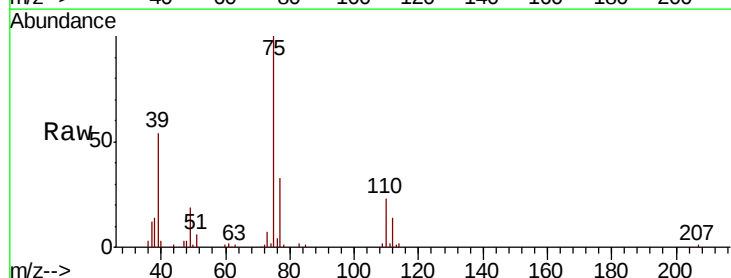
Tgt Ion: 75 Resp: 65606

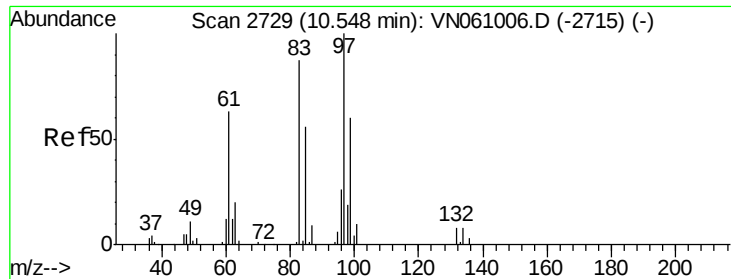
Ion Ratio Lower Upper

75 100

77 32.8 25.0 37.6

39 53.6 41.4 62.2

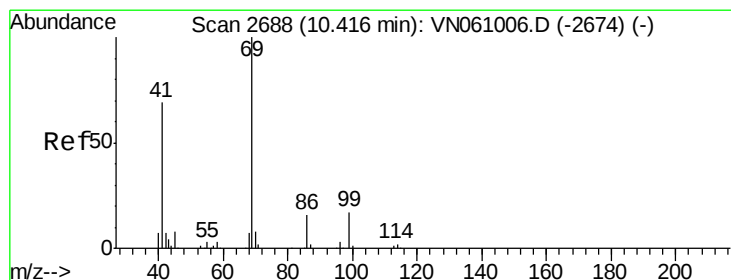
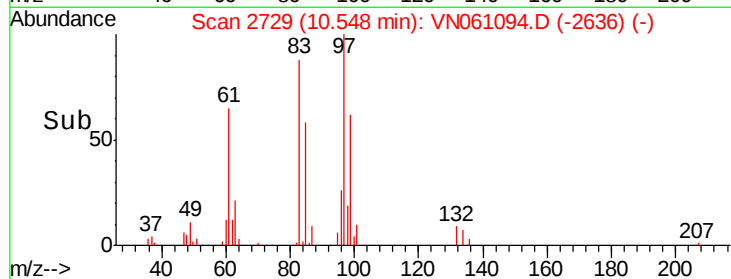
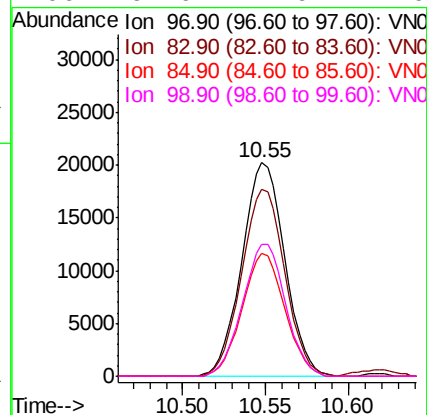
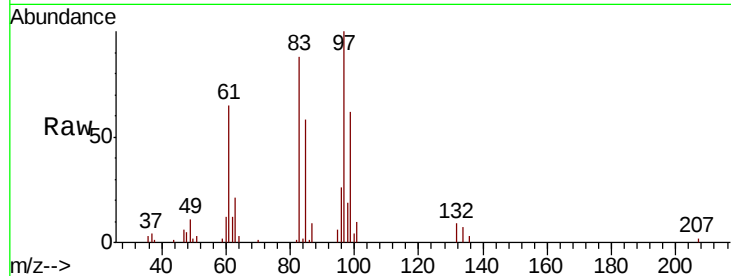




#55
 1,1,2-Trichloroethane
 Concen: 19.610 ug/l
 RT: 10.55 min Scan# 2729
 Delta R.T. -0.00 min
 Lab File: VN061094.D
 Acq: 20 Apr 2020 12:25

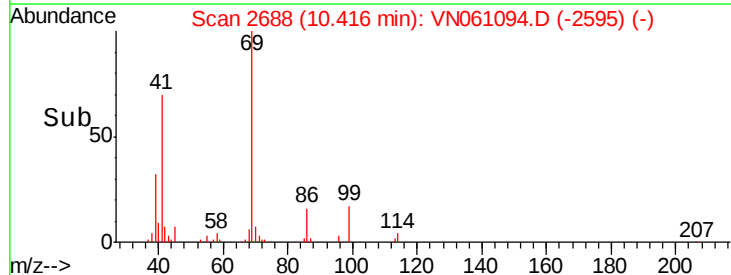
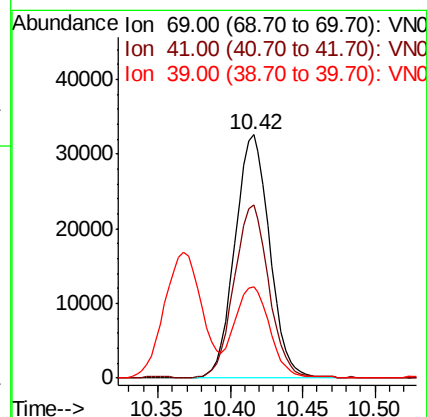
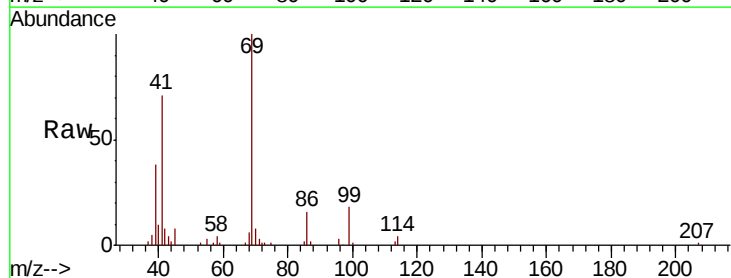
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0420WBS01

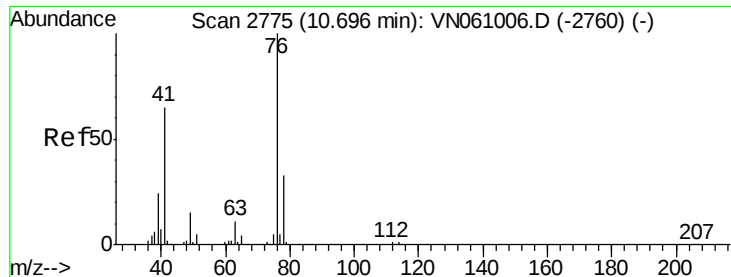
Tot Ion: 97 Resp: 36436
 Ion Ratio Lower Upper
 97 100
 83 87.5 69.5 104.3
 85 57.6 45.0 67.4
 99 61.9 47.9 71.9



#56
 Ethyl methacrylate
 Concen: 18.594 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. -0.00 min
 Lab File: VN061094.D
 Acq: 20 Apr 2020 12:25

Tgt Ion: 69 Resp: 54325
 Ion Ratio Lower Upper
 69 100
 41 71.5 56.7 85.1
 39 37.4 29.4 44.0





#57

1,3-Dichloropropane

Concen: 19.582 ug/l

RT: 10.69 min Scan# 2774

Delta R.T. -0.00 min

Lab File: VN061094.D

Acq: 20 Apr 2020 12:25

Instrument :

MSVOA_N

ClientSampled :

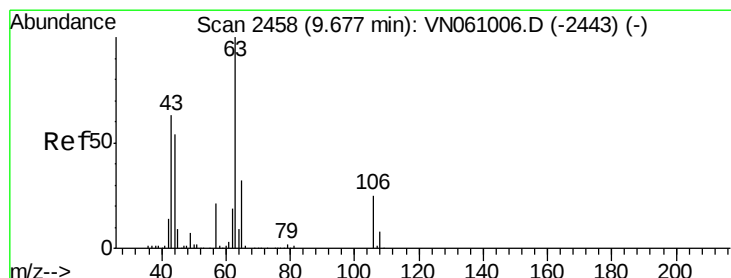
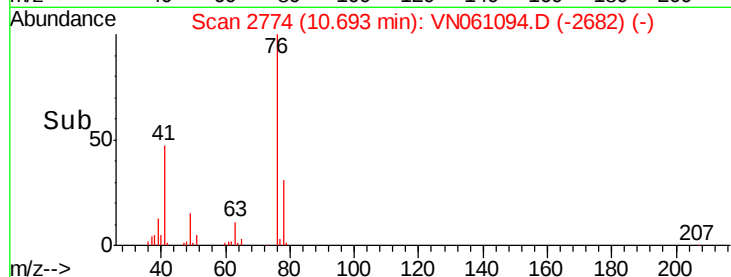
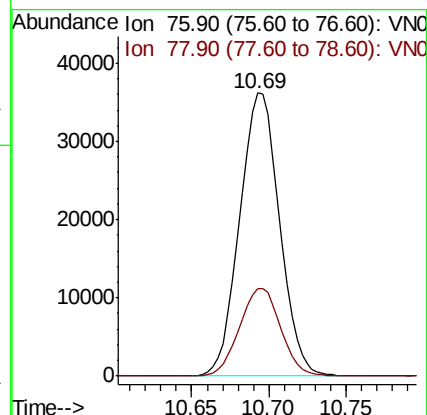
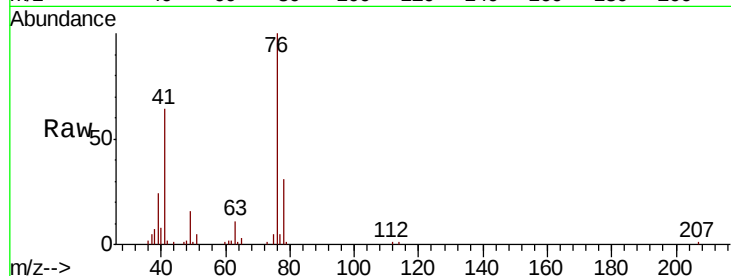
VN0420WBS01

Tot Ion: 76 Resp: 64899

Ion Ratio Lower Upper

76 100

78 31.9 25.4 38.0



#58

2-Chloroethyl Vinyl ether

Concen: 90.120 ug/l

RT: 9.68 min Scan# 2458

Delta R.T. -0.00 min

Lab File: VN061094.D

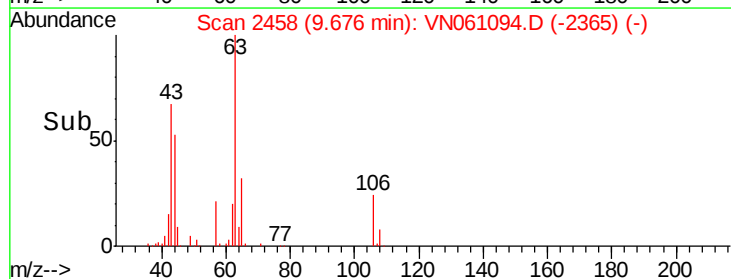
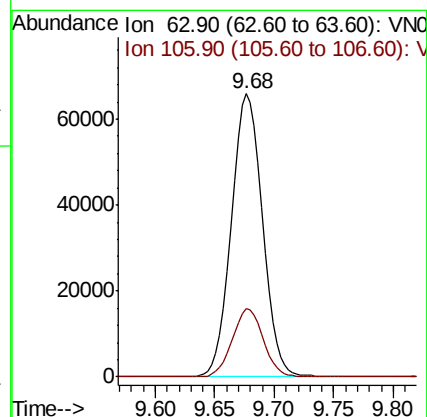
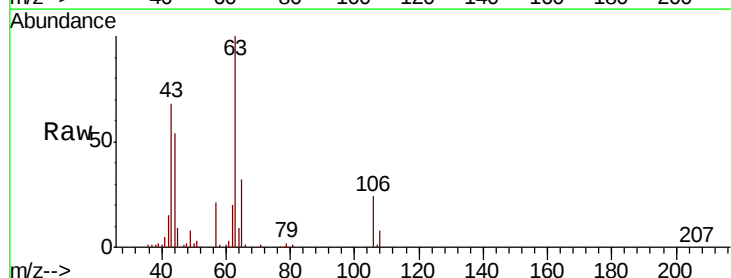
Acq: 20 Apr 2020 12:25

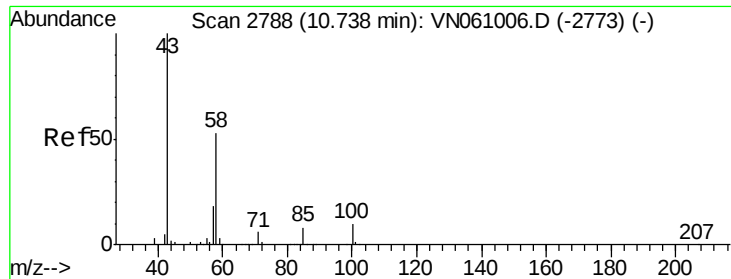
Tgt Ion: 63 Resp: 119646

Ion Ratio Lower Upper

63 100

106 23.8 19.5 29.3

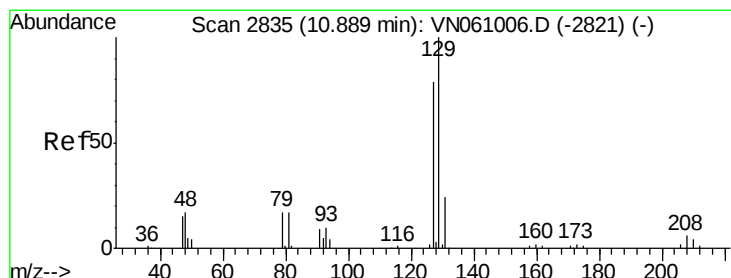
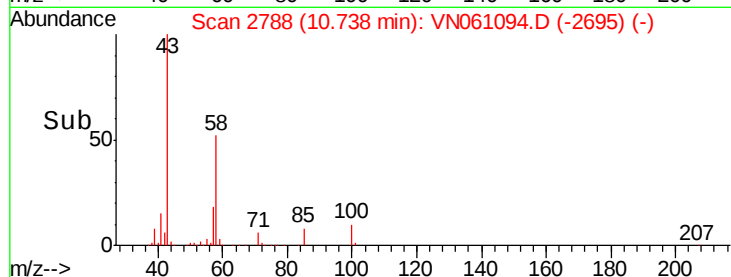
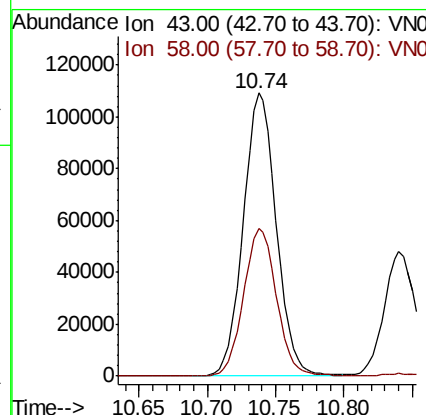
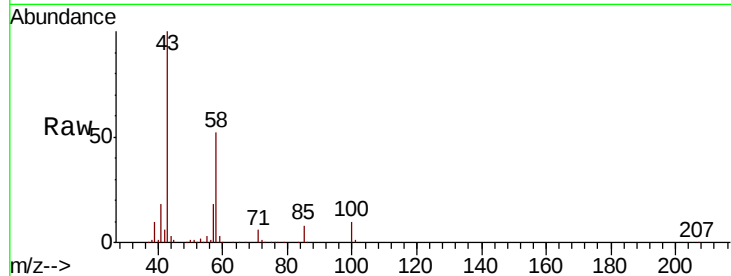




#59
2-Hexanone
Concen: 90.629 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. -0.00 min
Lab File: VN061094.D
Acq: 20 Apr 2020 12:25

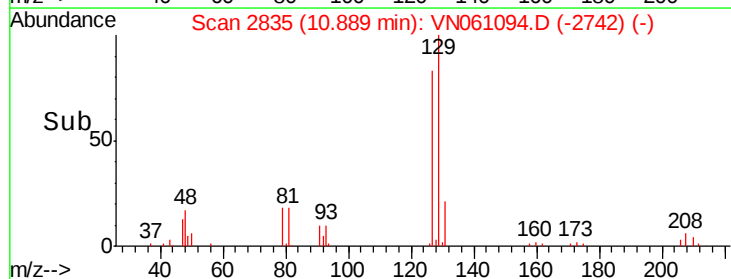
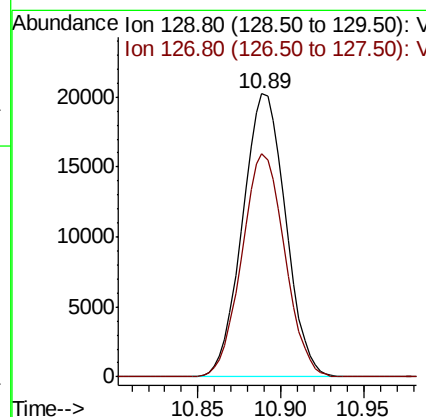
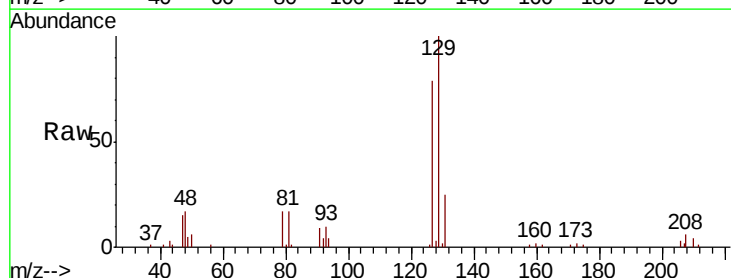
Instrument :
MSVOA_N
ClientSampleId :
VN0420WBS01

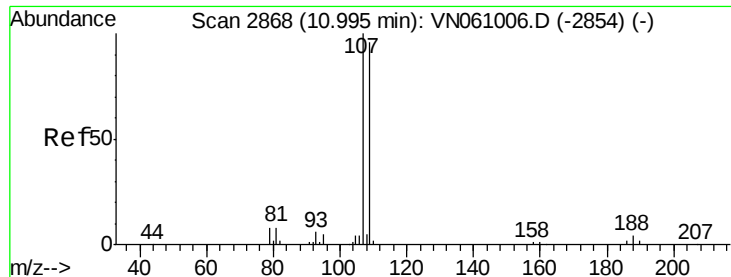
Tot Ion: 43 Resp: 183559
Ion Ratio Lower Upper
43 100
58 52.2 26.4 79.0



#60
Dibromochloromethane
Concen: 19.249 ug/l
RT: 10.89 min Scan# 2835
Delta R.T. -0.00 min
Lab File: VN061094.D
Acq: 20 Apr 2020 12:25

Tgt Ion: 129 Resp: 36740
Ion Ratio Lower Upper
129 100
127 78.5 39.0 116.9





#61

1,2-Dibromoethane

Concen: 19.369 ug/l

RT: 10.99 min Scan# 2868

Delta R.T. -0.00 min

Lab File: VN061094.D

Acq: 20 Apr 2020 12:25

Instrument :

MSVOA_N

ClientSampleId :

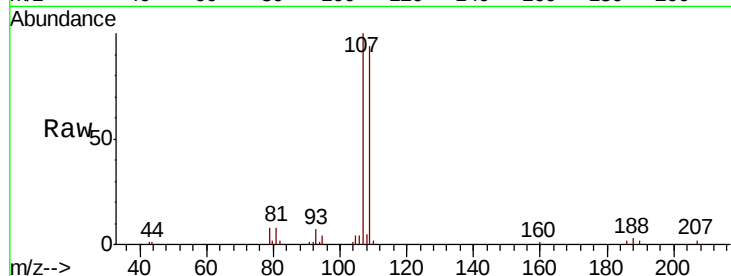
VN0420WBS01

Tot Ion:107 Resp: 36671

Ion Ratio Lower Upper

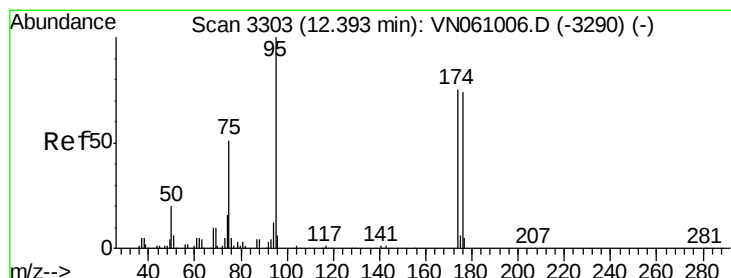
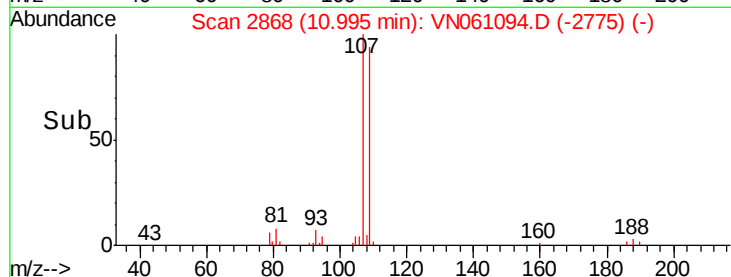
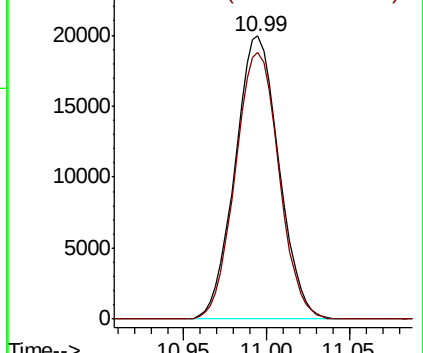
107 100

109 93.5 75.9 113.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 47.142 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. -0.00 min

Lab File: VN061094.D

Acq: 20 Apr 2020 12:25

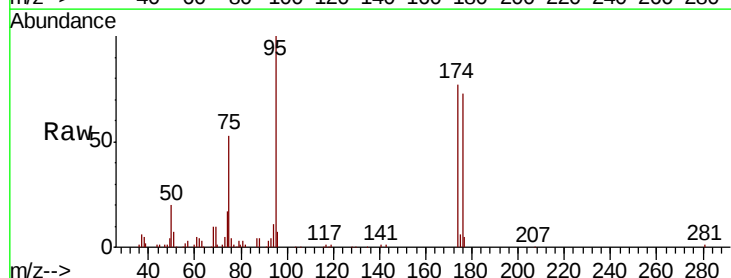
Tgt Ion: 95 Resp: 109002

Ion Ratio Lower Upper

95 100

174 77.0 0.0 151.2

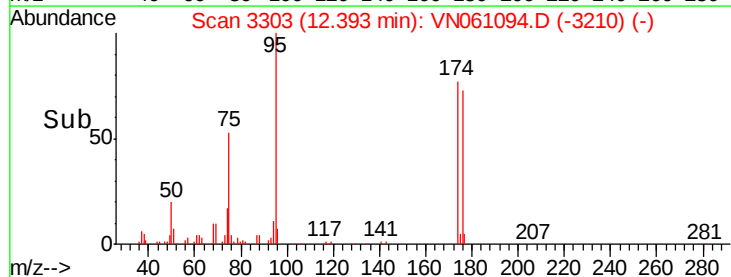
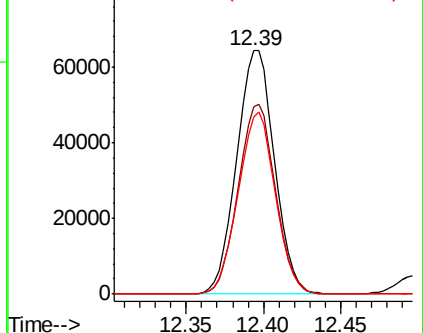
176 73.6 0.0 148.2

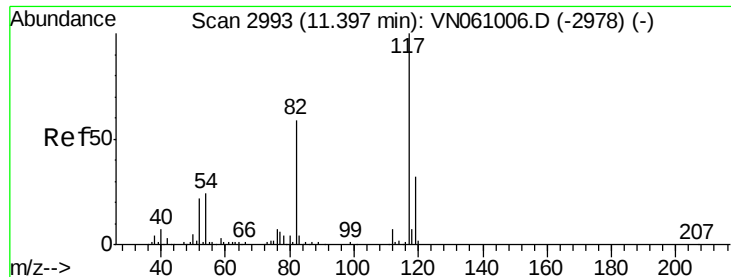


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2993

Delta R.T. -0.00 min

Lab File: VN061094.D

Acq: 20 Apr 2020 12:25

Instrument :

MSVOA_N

ClientSampleId :

VN0420WBS01

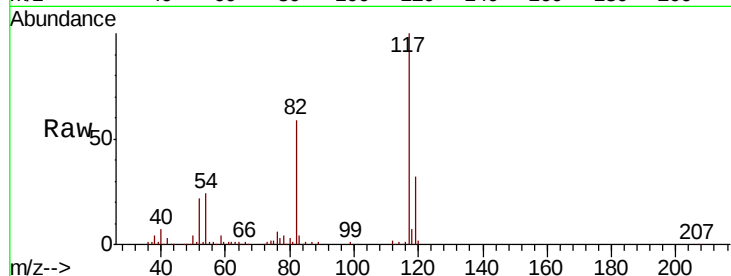
Tot Ion:117 Resp: 241510

Ion Ratio Lower Upper

117 100

82 58.9 47.1 70.7

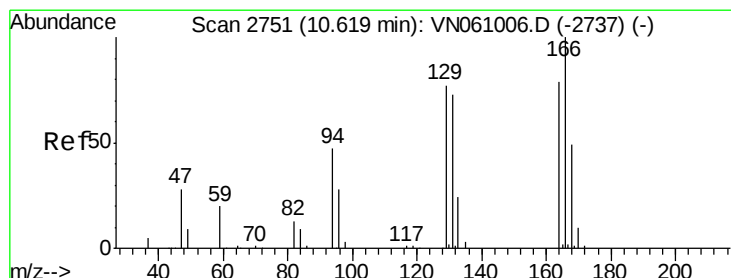
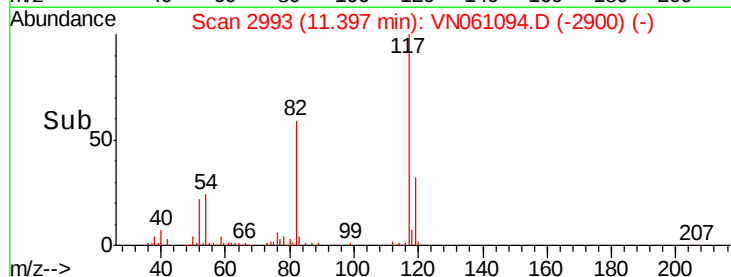
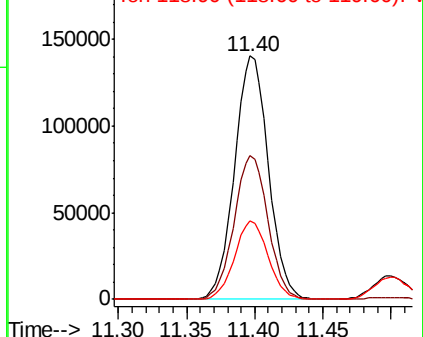
119 32.1 25.7 38.5



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: 20.541 ug/l

RT: 10.62 min Scan# 2751

Delta R.T. -0.00 min

Lab File: VN061094.D

Acq: 20 Apr 2020 12:25

Tgt Ion:164 Resp: 37962

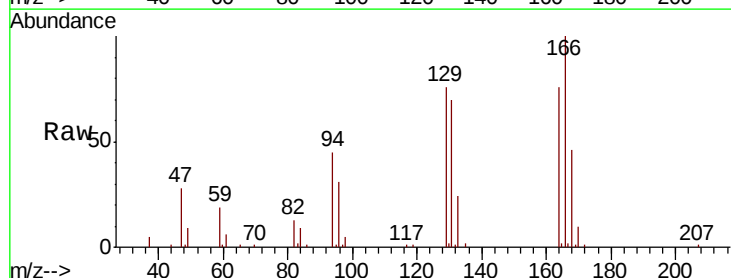
Ion Ratio Lower Upper

164 100

166 131.9 101.6 152.4

129 100.0 78.5 117.7

131 91.9 74.3 111.5

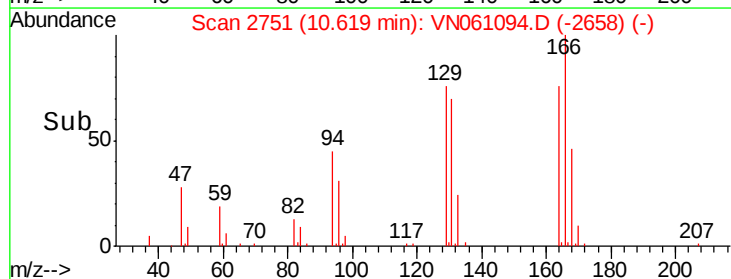
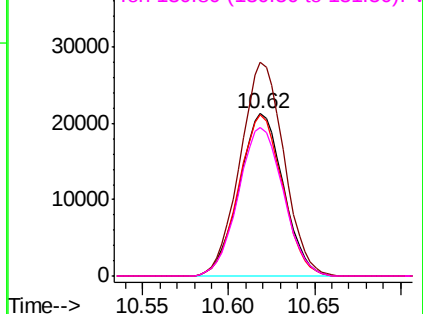


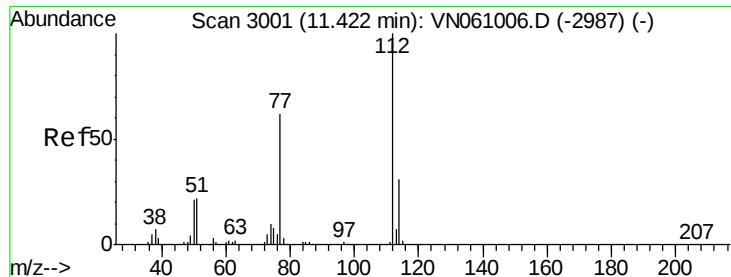
Abundance Ion 163.80 (163.50 to 164.50): V

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: 19.350 ug/l

RT: 11.42 min Scan# 3001

Delta R.T. -0.00 min

Lab File: VN061094.D

Acq: 20 Apr 2020 12:25

Instrument :

MSVOA_N

ClientSampleId :

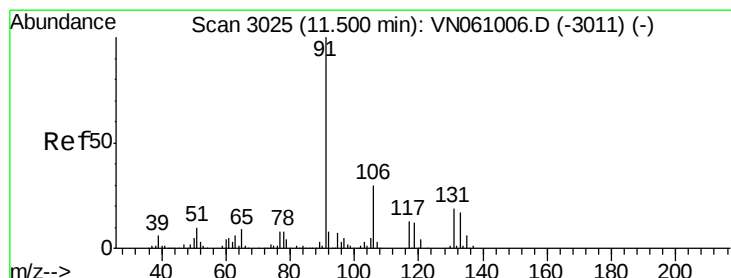
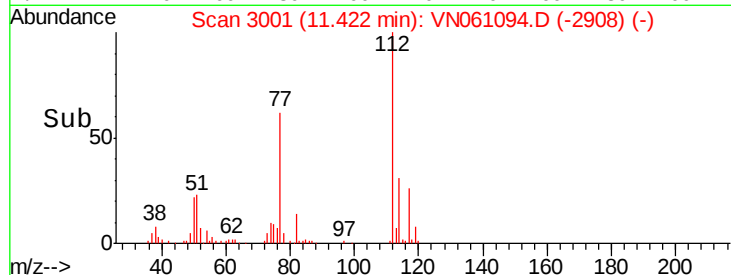
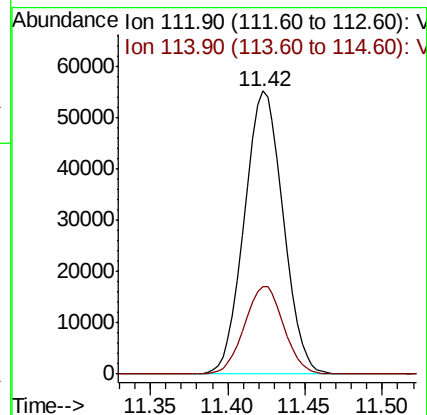
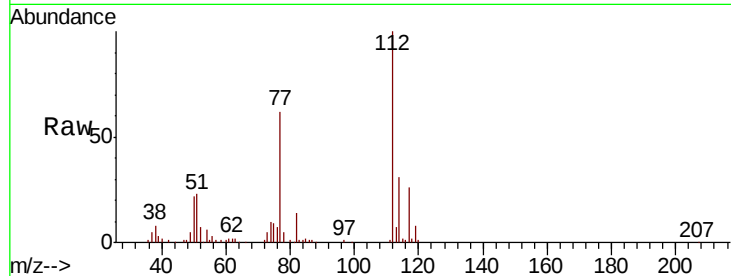
VN0420WBS01

Tot Ion:112 Resp: 96470

Ion Ratio Lower Upper

112 100

114 31.1 25.1 37.7



#66

1,1,1,2-Tetrachloroethane

Concen: 19.371 ug/l

RT: 11.50 min Scan# 3025

Delta R.T. -0.00 min

Lab File: VN061094.D

Acq: 20 Apr 2020 12:25

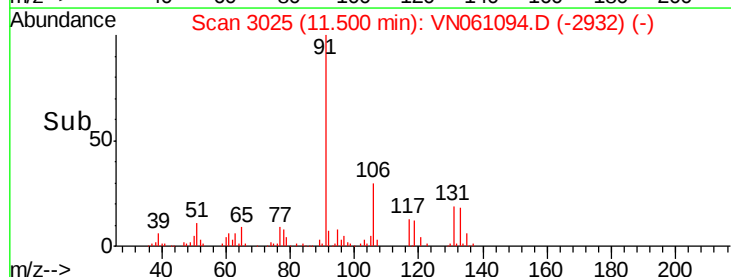
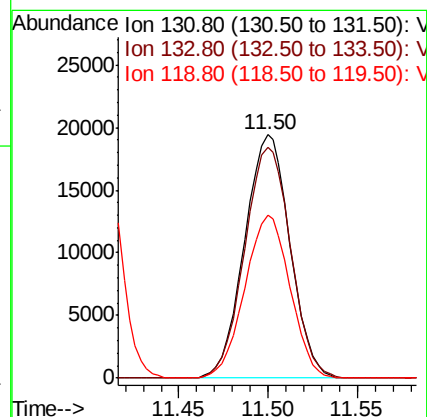
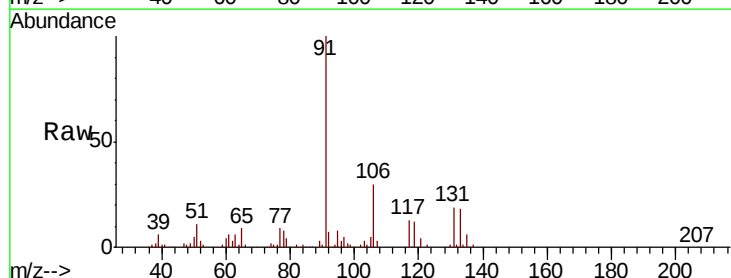
Tgt Ion:131 Resp: 34553

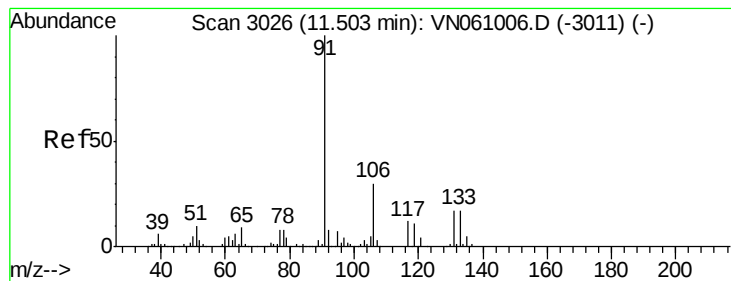
Ion Ratio Lower Upper

131 100

133 96.1 47.9 143.8

119 66.7 33.3 99.8





#67

Ethyl Benzene

Concen: 19.380 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN061094.D

Acq: 20 Apr 2020 12:25

Instrument :

MSVOA_N

ClientSampled :

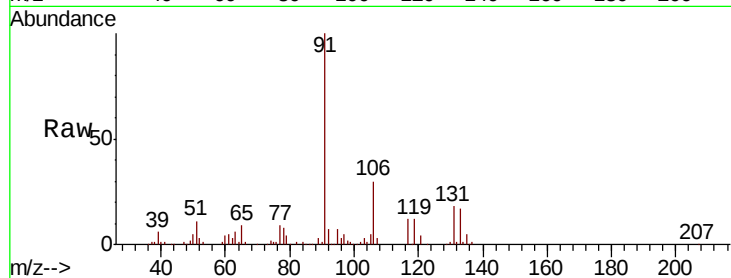
VN0420WBS01

Tot Ion: 91 Resp: 181748

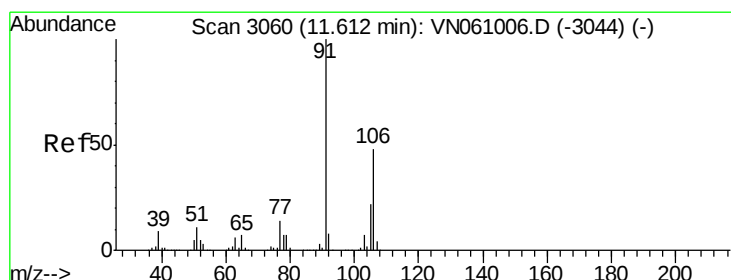
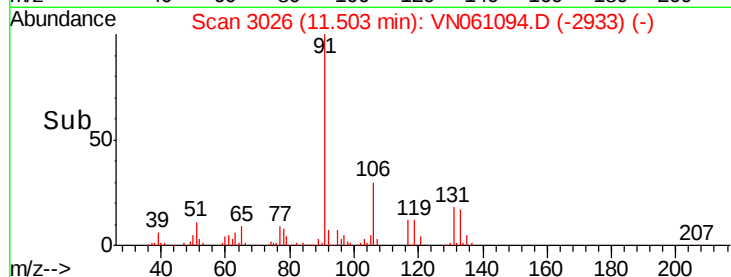
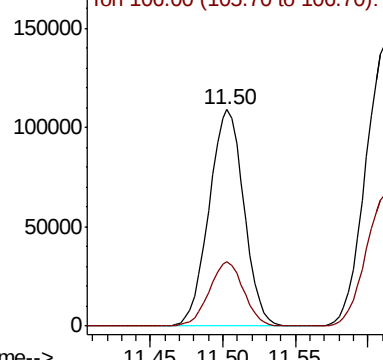
Ion Ratio Lower Upper

91 100

106 29.7 23.8 35.8



Abundance Ion 91.00 (90.70 to 91.70): VN061006.D (-3011) (-)



#68

m/p-Xylenes

Concen: 38.638 ug/l

RT: 11.61 min Scan# 3060

Delta R.T. -0.00 min

Lab File: VN061094.D

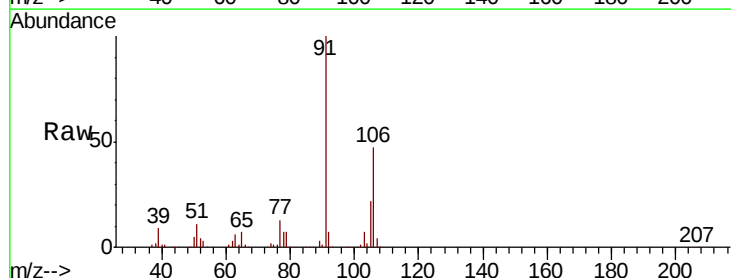
Acq: 20 Apr 2020 12:25

Tgt Ion: 106 Resp: 130956

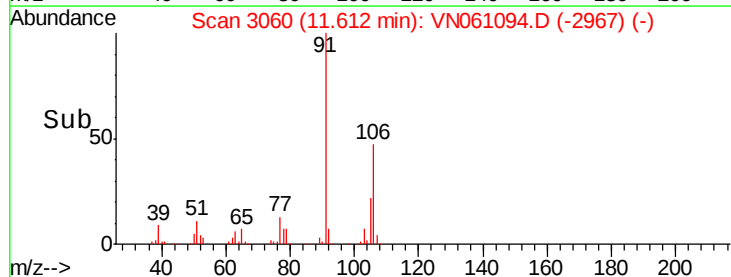
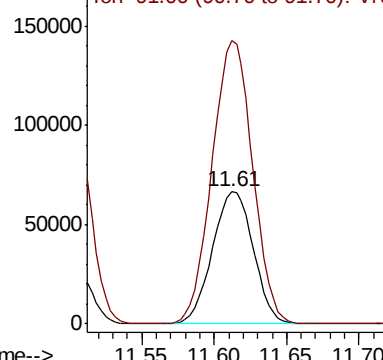
Ion Ratio Lower Upper

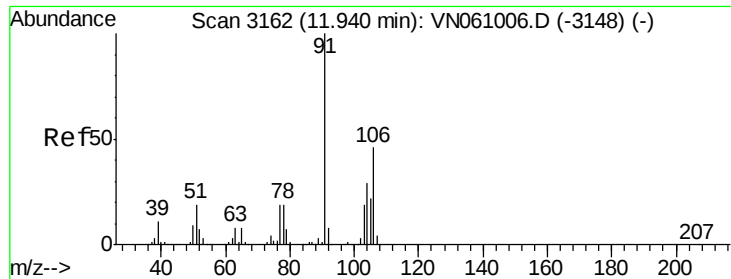
106 100

91 212.1 167.9 251.9



Abundance Ion 106.00 (105.70 to 106.70): VN061006.D (-3044) (-)

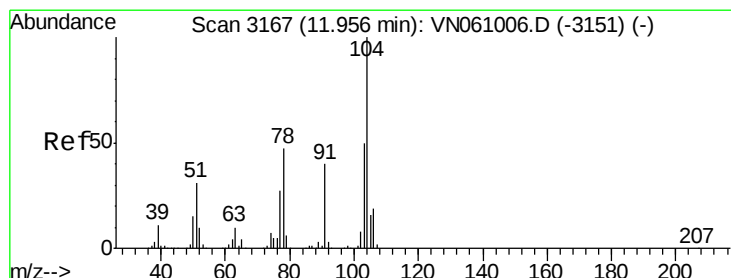
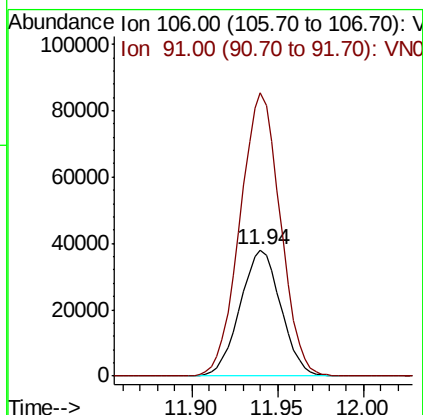
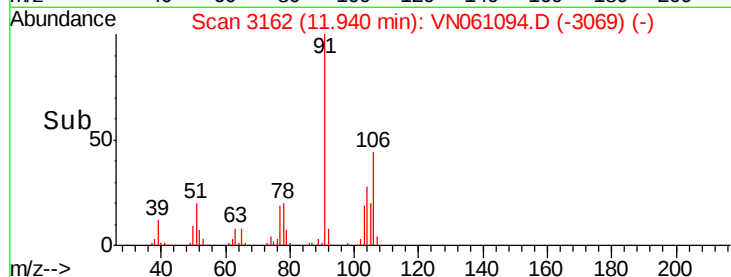
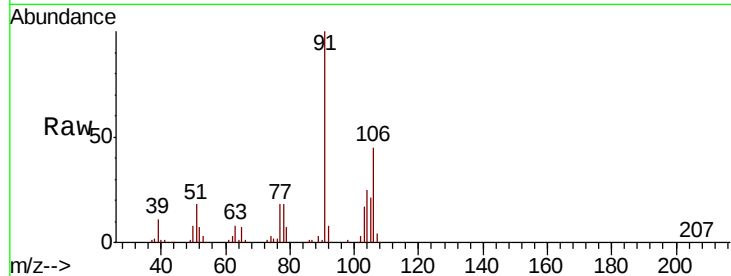




#69
o-Xylene
Concen: 19.221 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN061094.D
Acq: 20 Apr 2020 12:25

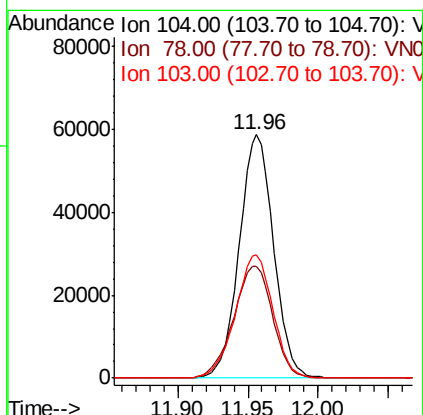
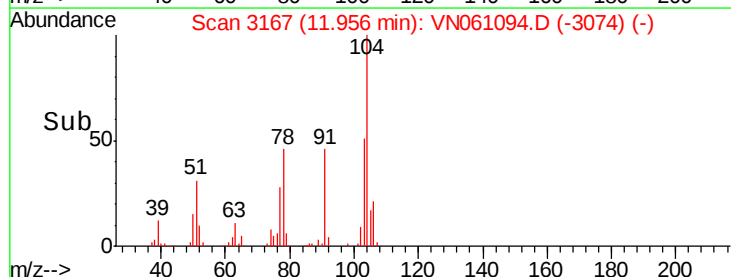
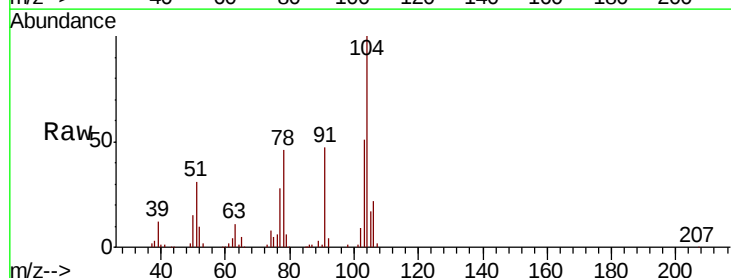
Instrument :
MSVOA_N
ClientSampleId :
VN0420WBS01

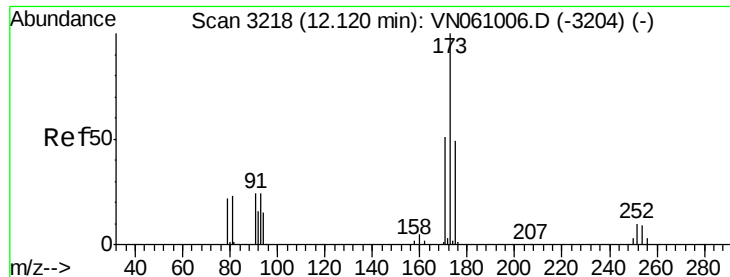
Tot Ion:106 Resp: 62636
Ion Ratio Lower Upper
106 100
91 222.6 110.7 332.1



#70
Styrene
Concen: 19.134 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN061094.D
Acq: 20 Apr 2020 12:25

Tgt Ion:104 Resp: 100379
Ion Ratio Lower Upper
104 100
78 52.4 42.2 63.4
103 54.9 44.4 66.6





#71

Bromoform

Concen: 18.963 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. -0.00 min

Lab File: VN061094.D

Acq: 20 Apr 2020 12:25

Instrument :

MSVOA_N

ClientSampleId :

VN0420WBS01

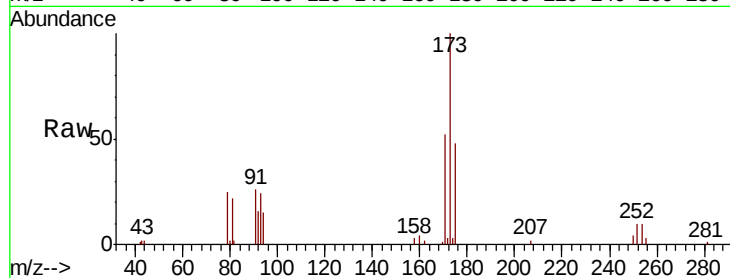
Tot Ion:173 Resp: 25248

Ion Ratio Lower Upper

173 100

175 47.1 24.5 73.5

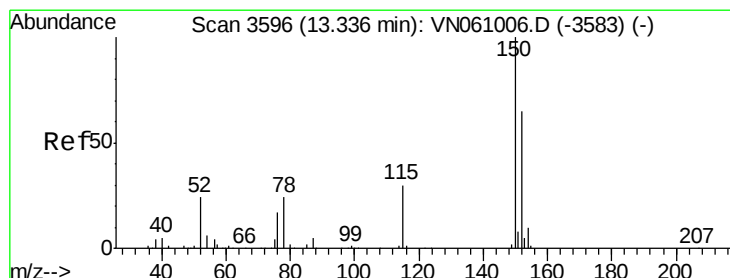
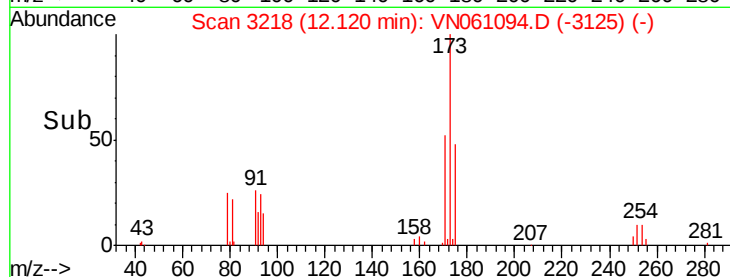
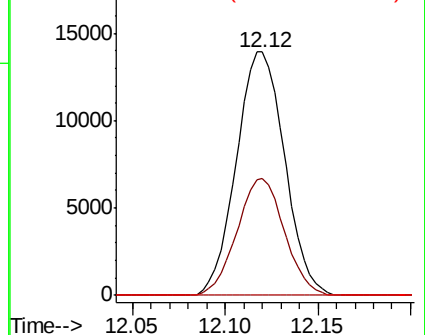
254 0.0 0.0 0.0



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: VN061094.D

Acq: 20 Apr 2020 12:25

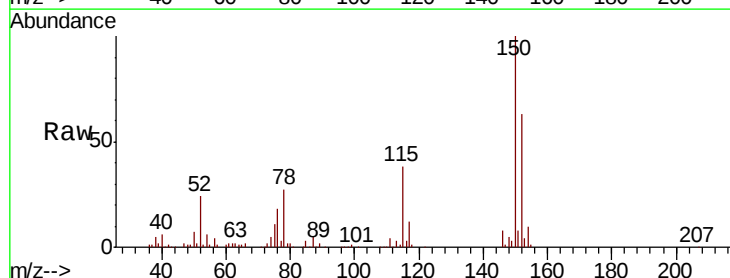
Tgt Ion:152 Resp: 111002

Ion Ratio Lower Upper

152 100

115 60.9 30.8 92.4

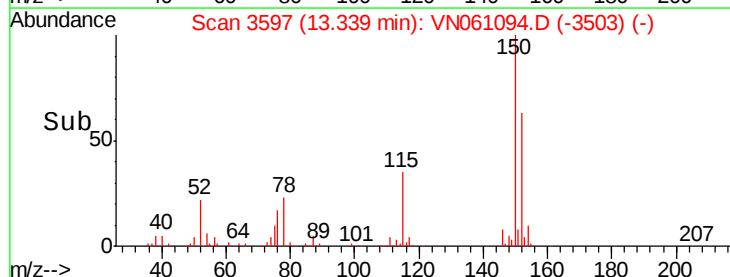
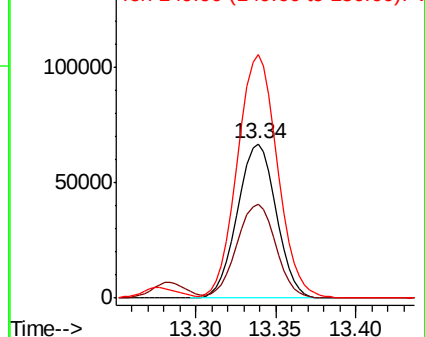
150 163.3 0.0 349.0

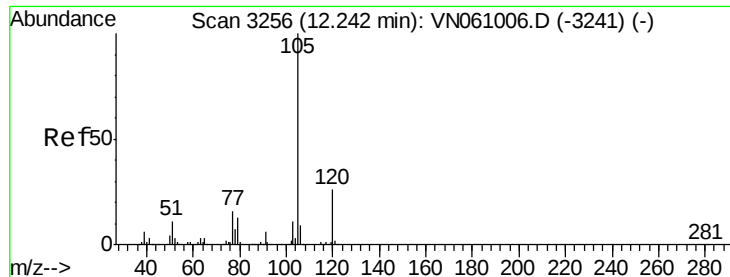


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.210 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN061094.D

Acq: 20 Apr 2020 12:25

Instrument :

MSVOA_N

ClientSampleId :

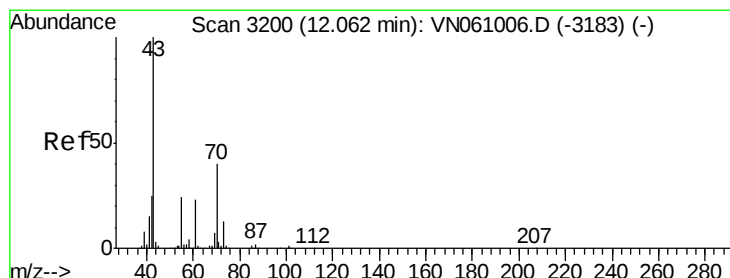
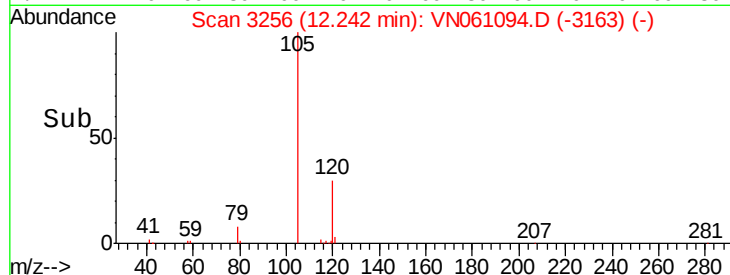
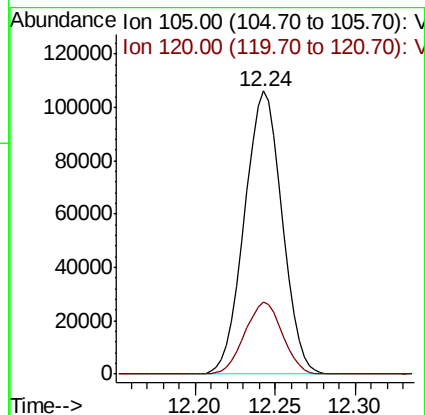
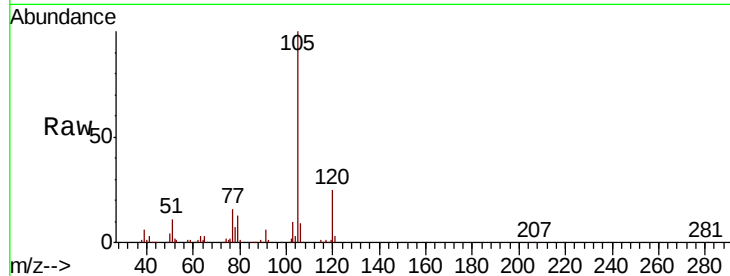
VN0420WBS01

Tot Ion:105 Resp: 170835

Ion Ratio Lower Upper

105 100

120 25.5 13.0 38.9



#74

N-ethyl acetate

Concen: 17.922 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.00 min

Lab File: VN061094.D

Acq: 20 Apr 2020 12:25

Tgt Ion: 43 Resp: 74117

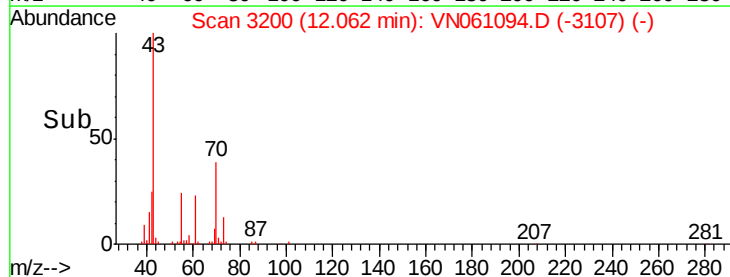
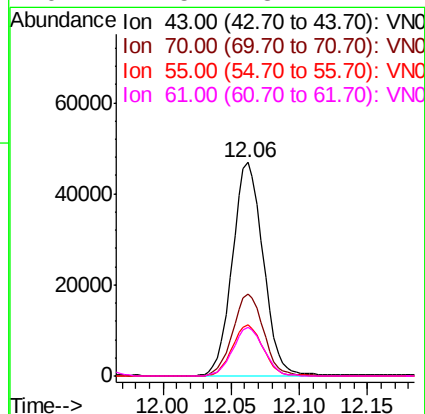
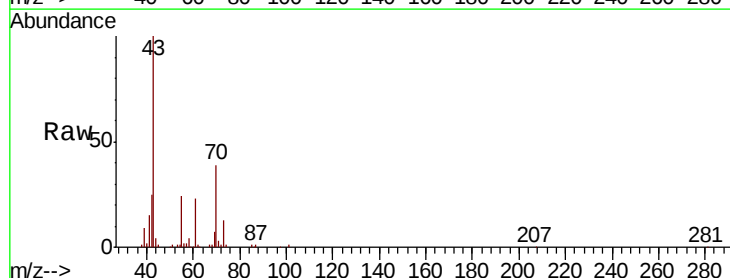
Ion Ratio Lower Upper

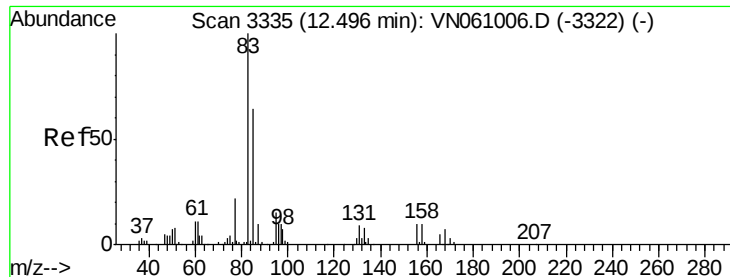
43 100

70 38.1 31.0 46.6

55 23.7 18.6 27.8

61 22.5 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 18.706 ug/l

RT: 12.50 min Scan# 3335

Delta R.T. -0.00 min

Lab File: VN061094.D

Acq: 20 Apr 2020 12:25

Instrument :

MSVOA_N

ClientSampleId :

VN0420WBS01

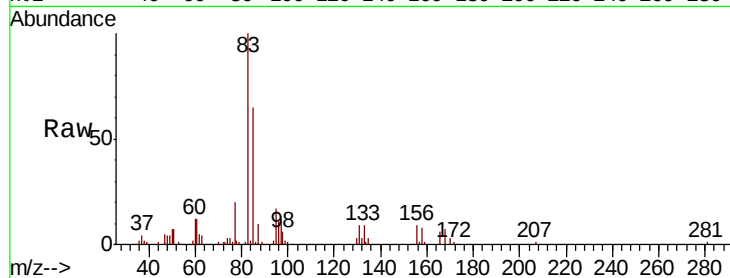
Tot Ion: 83 Resp: 50781

Ion Ratio Lower Upper

83 100

131 9.0 4.8 14.3

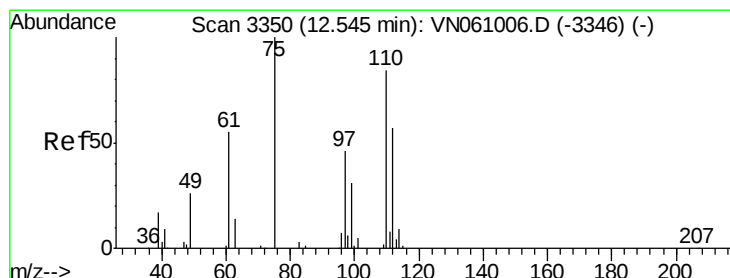
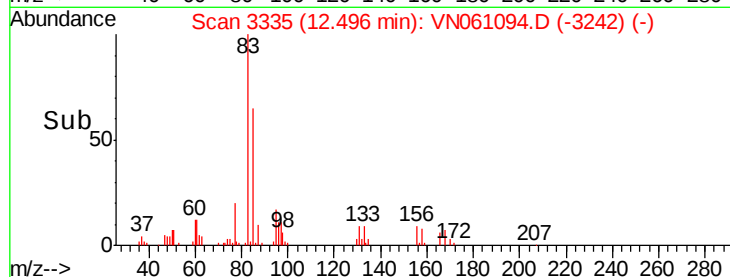
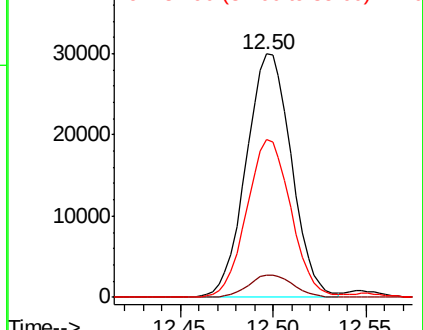
85 63.5 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN061094.D (-3242) (-)

Ion 130.80 (130.50 to 131.50): VN061094.D (-3242) (-)

Ion 84.90 (84.60 to 85.60): VN061094.D (-3242) (-)



#76

1,2,3-Trichloropropane

Concen: 27.887 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN061094.D

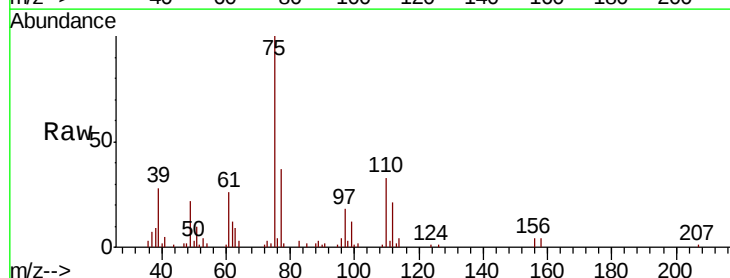
Acq: 20 Apr 2020 12:25

Tgt Ion: 75 Resp: 68089

Ion Ratio Lower Upper

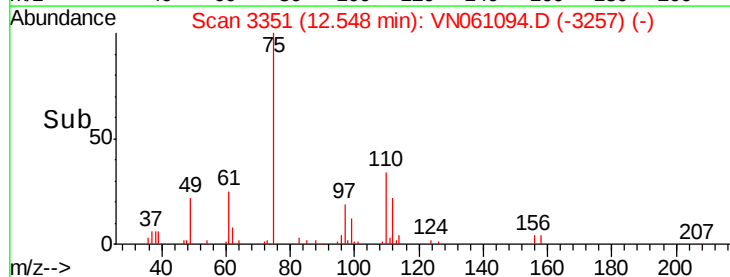
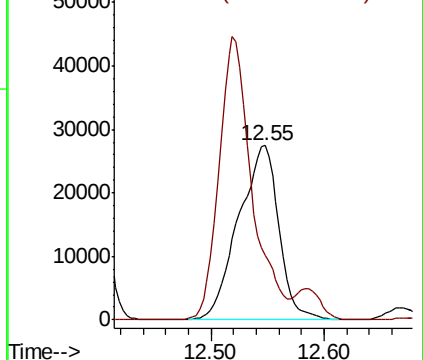
75 100

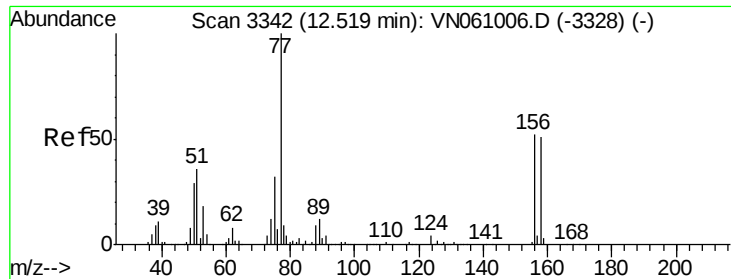
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN061094.D (-3257) (-)

Ion 77.00 (76.70 to 77.70): VN061094.D (-3257) (-)





#77

Bromobenzene

Concen: 18.933 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN061094.D

Acq: 20 Apr 2020 12:25

Instrument :

MSVOA_N

ClientSampled :

VN0420WBS01

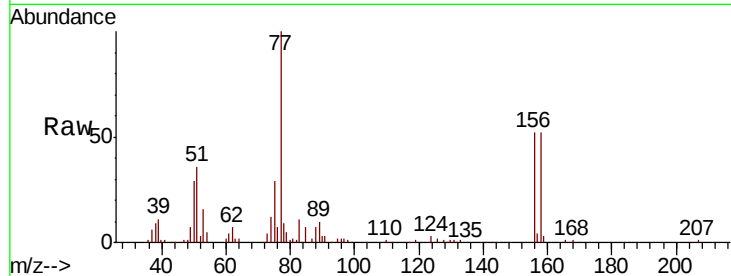
Tot Ion:156 Resp: 39312

Ion Ratio Lower Upper

156 100

77 229.6 115.6 346.8

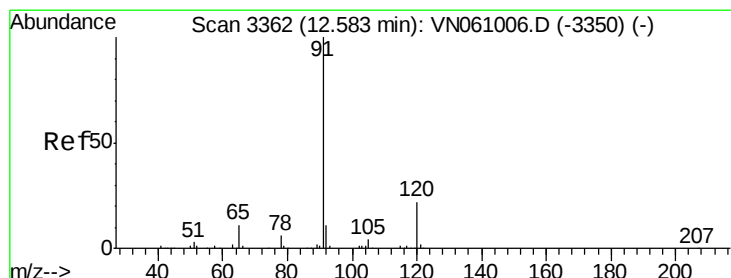
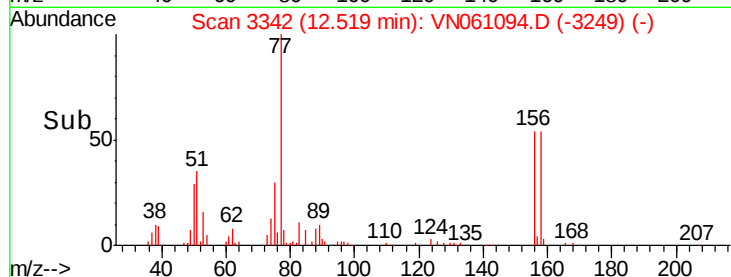
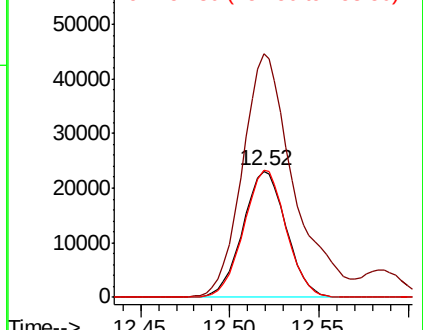
158 98.4 48.9 146.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.450 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN061094.D

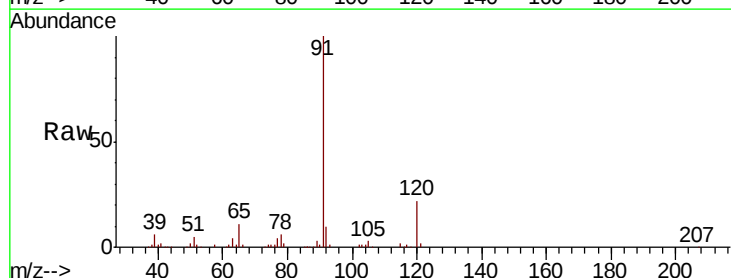
Acq: 20 Apr 2020 12:25

Tgt Ion: 91 Resp: 202364

Ion Ratio Lower Upper

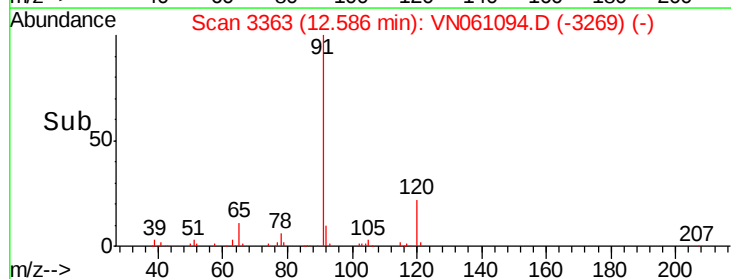
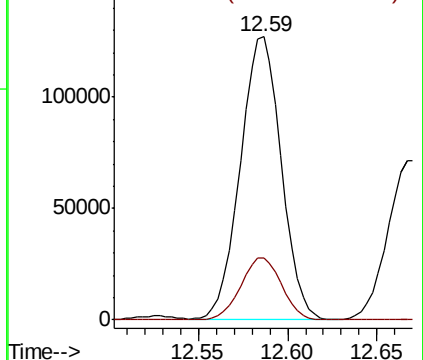
91 100

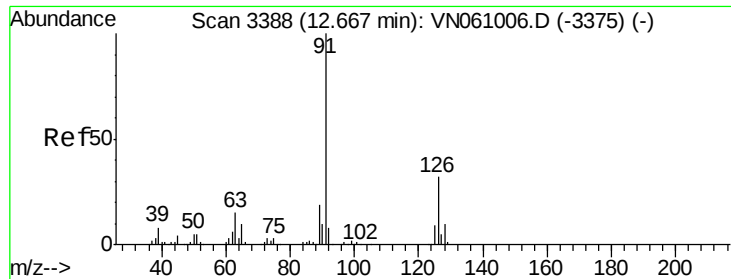
120 21.8 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.544 ug/l

RT: 12.67 min Scan# 3388

Delta R.T. -0.00 min

Lab File: VN061094.D

Acq: 20 Apr 2020 12:25

Instrument :

MSVOA_N

ClientSampled :

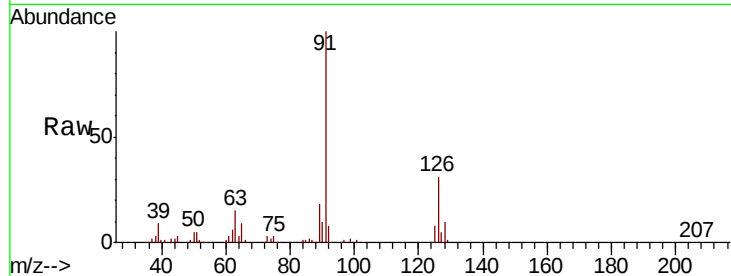
VN0420WBS01

Tot Ion: 91 Resp: 119260

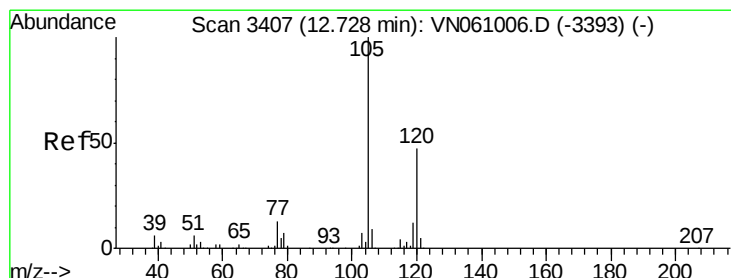
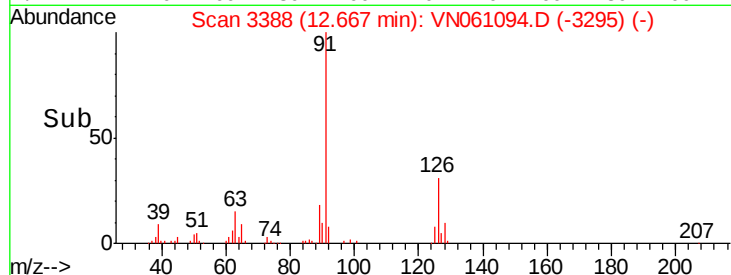
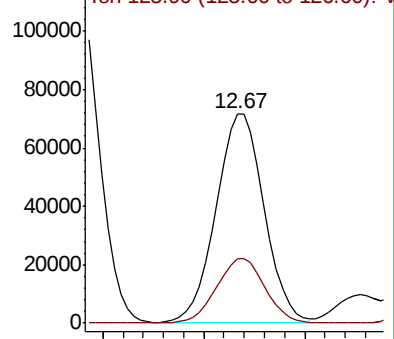
Ion Ratio Lower Upper

91 100

126 31.2 16.1 48.2



Abundance Ion 91.00 (90.70 to 91.70): VN061006.D (-3375) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.511 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN061094.D

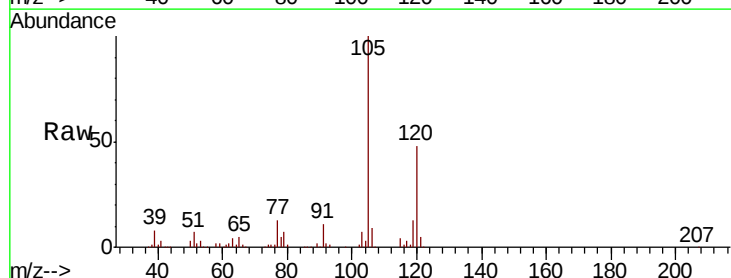
Acq: 20 Apr 2020 12:25

Tgt Ion:105 Resp: 143417

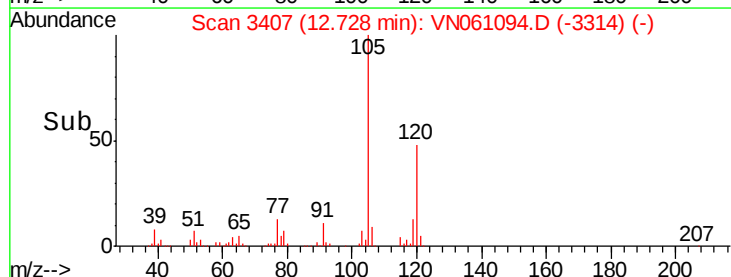
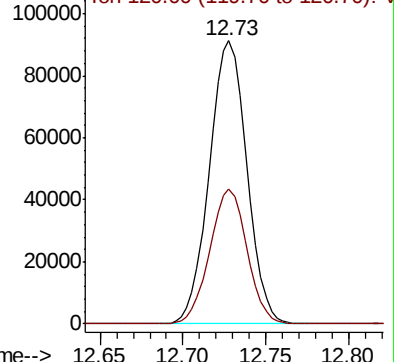
Ion Ratio Lower Upper

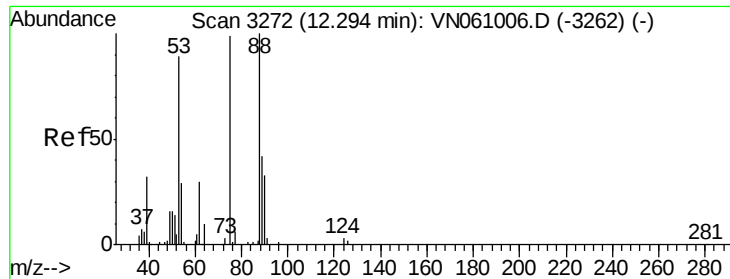
105 100

120 47.1 23.6 70.8



Abundance Ion 105.00 (104.70 to 105.70): VN061006.D (-3393) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 17.652 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. -0.00 min

Lab File: VN061094.D

Acq: 20 Apr 2020 12:25

Instrument :

MSVOA_N

ClientSampled :

VN0420WBS01

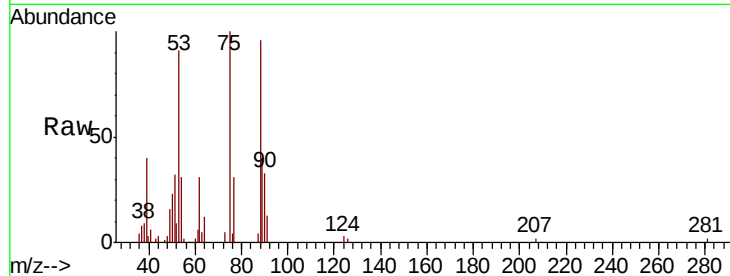
Tot Ion: 75 Resp: 17473

Ion Ratio Lower Upper

75 100

53 93.3 74.7 112.1

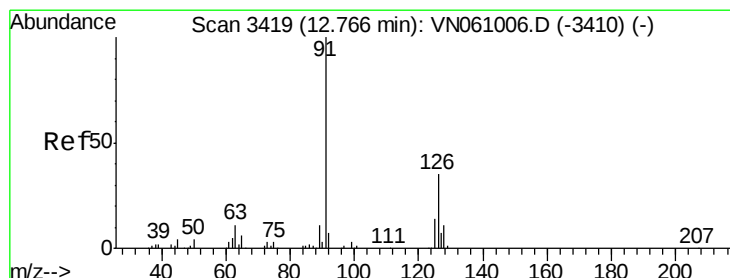
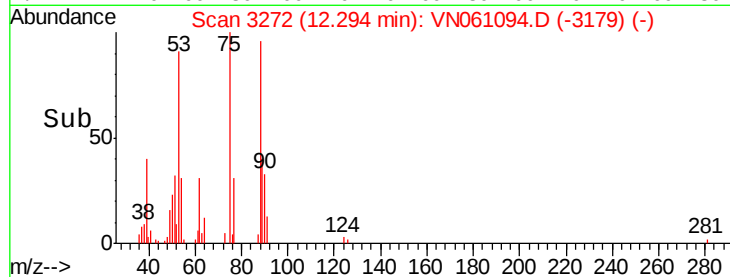
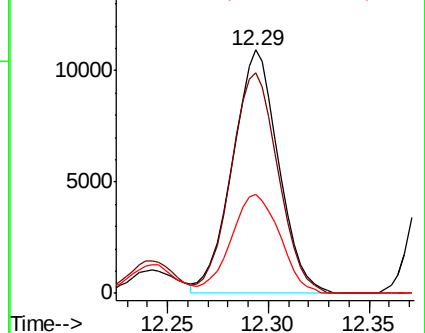
89 43.0 34.6 52.0



Abundance Ion 74.90 (74.60 to 75.60): VN061094.D (-3179) (-)

Ion 53.00 (52.70 to 53.70): VN061094.D (-3179) (-)

Ion 88.90 (88.60 to 89.60): VN061094.D (-3179) (-)



#82

4-Chlorotoluene

Concen: 19.179 ug/l

RT: 12.77 min Scan# 3419

Delta R.T. -0.00 min

Lab File: VN061094.D

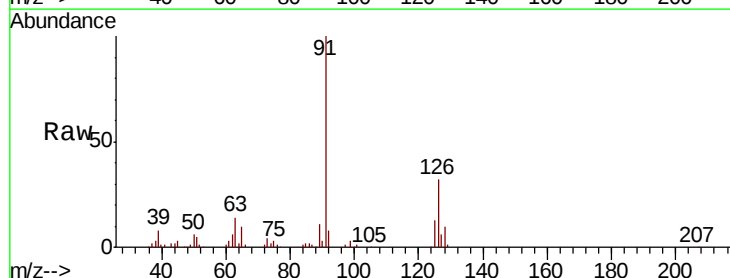
Acq: 20 Apr 2020 12:25

Tgt Ion: 91 Resp: 121383

Ion Ratio Lower Upper

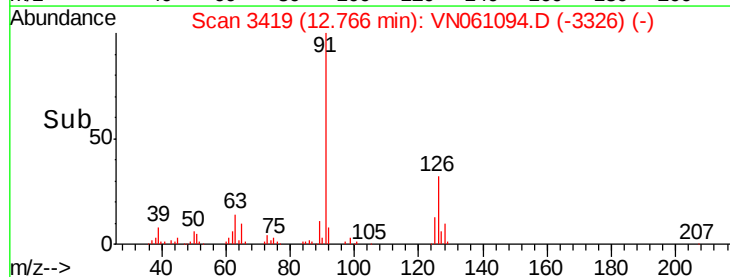
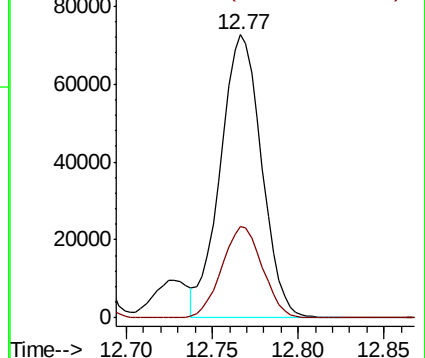
91 100

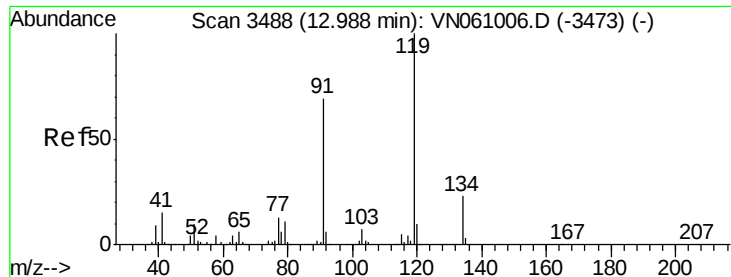
126 31.7 15.9 47.6



Abundance Ion 91.00 (90.70 to 91.70): VN061094.D (-3326) (-)

Ion 125.90 (125.60 to 126.60): VN061094.D (-3326) (-)

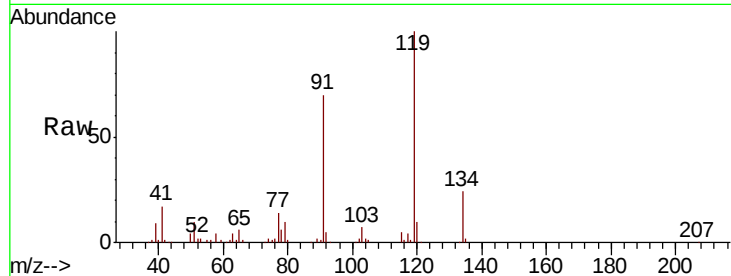




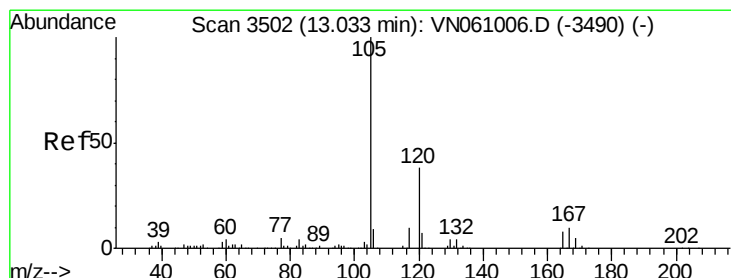
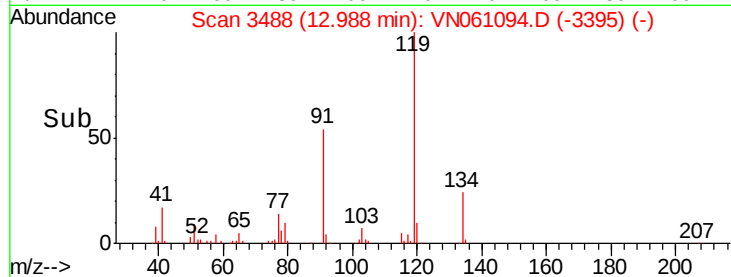
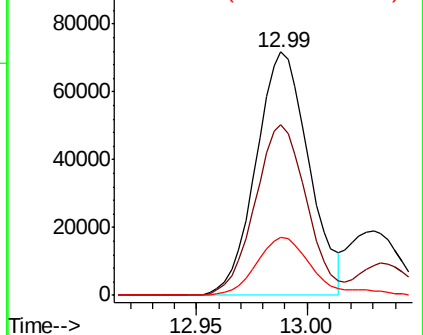
#83
tert-Butylbenzene
Concen: 19.311 ug/l
RT: 12.99 min Scan# 3488
Delta R.T. -0.00 min
Lab File: VN061094.D
Acq: 20 Apr 2020 12:25

Instrument :
MSVOA_N
ClientSampleId :
VN0420WBS01

Tot Ion:119 Resp: 119376
Ion Ratio Lower Upper
119 100
91 68.5 34.1 102.3
134 25.2 12.4 37.2

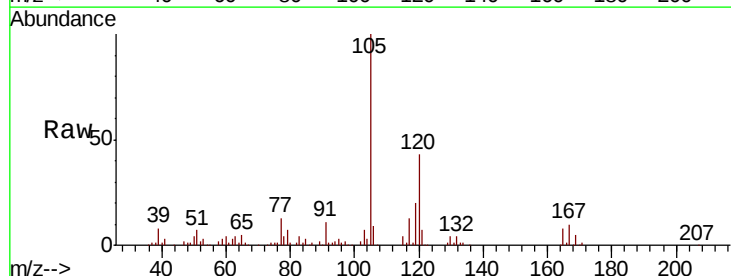


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

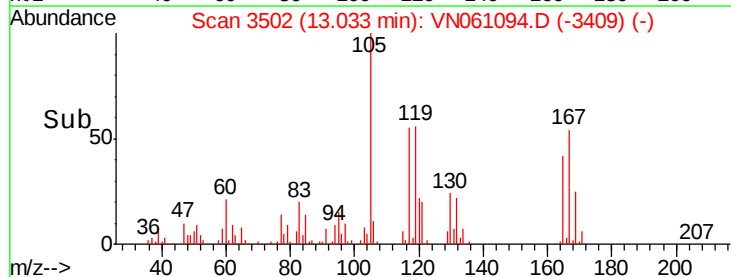
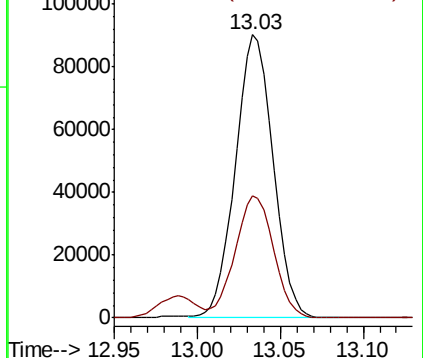


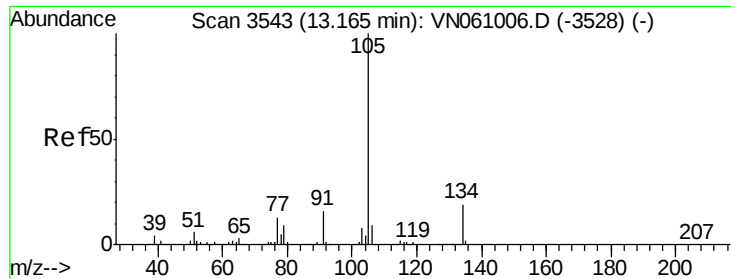
#84
1,2,4-Trimethylbenzene
Concen: 19.643 ug/l
RT: 13.03 min Scan# 3502
Delta R.T. -0.00 min
Lab File: VN061094.D
Acq: 20 Apr 2020 12:25

Tgt Ion:105 Resp: 142723
Ion Ratio Lower Upper
105 100
120 44.0 22.1 66.5



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

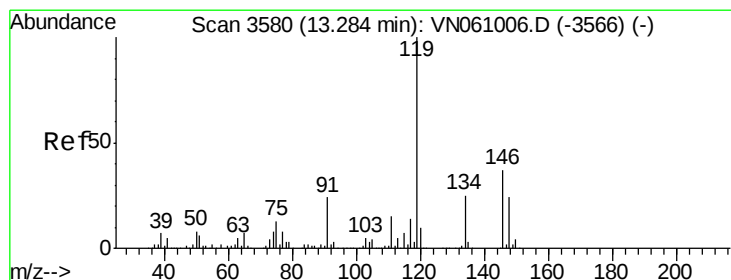
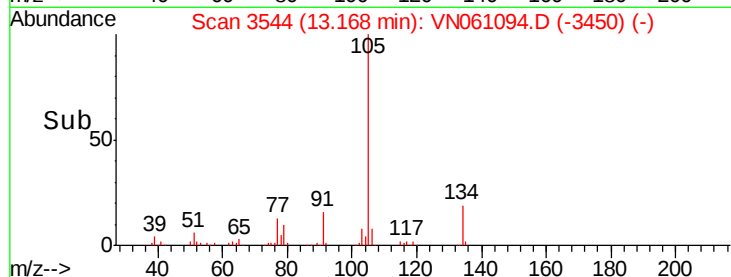
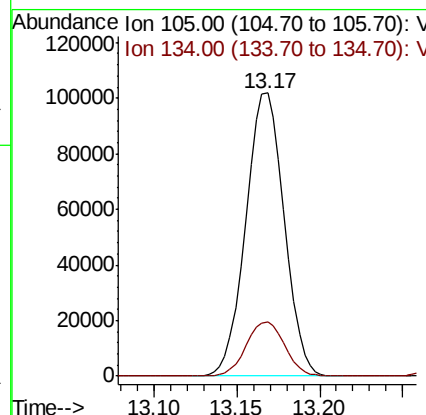
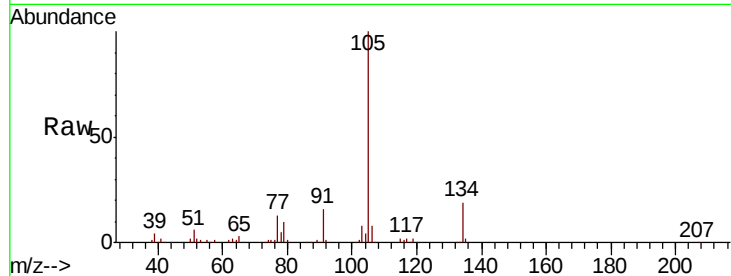




#85
 sec-Butylbenzene
 Concen: 19.552 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN061094.D
 Acq: 20 Apr 2020 12:25

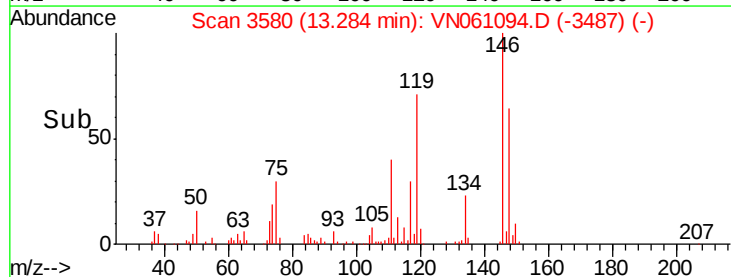
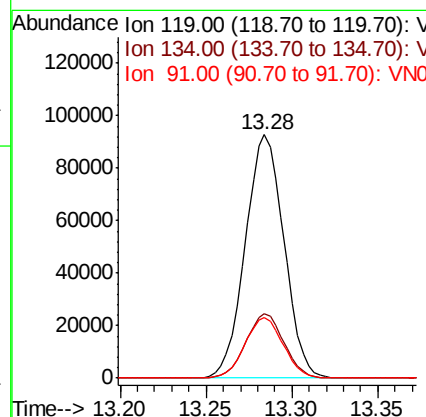
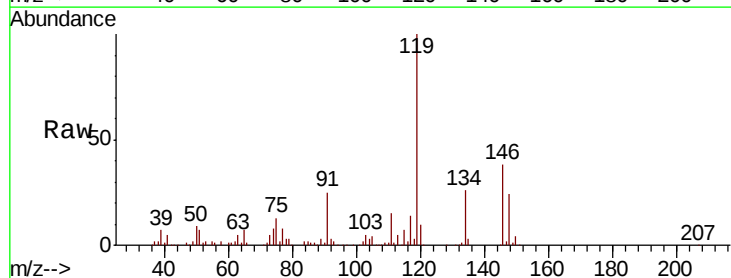
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0420WBS01

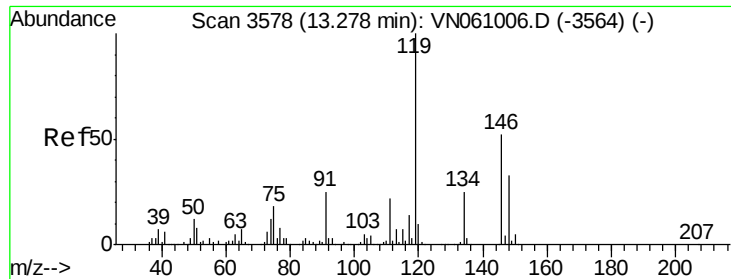
Tot Ion:105 Resp: 163767
 Ion Ratio Lower Upper
 105 100
 134 19.3 9.5 28.5



#86
 p-Isopropyltoluene
 Concen: 19.420 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN061094.D
 Acq: 20 Apr 2020 12:25

Tgt Ion:119 Resp: 144843
 Ion Ratio Lower Upper
 119 100
 134 26.0 12.8 38.4
 91 24.7 12.3 36.8

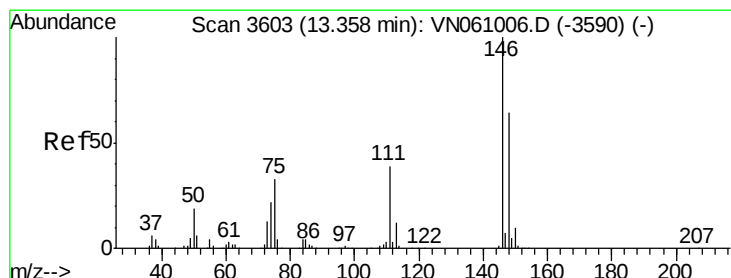
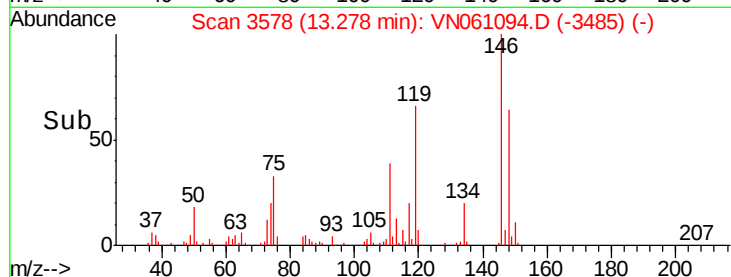
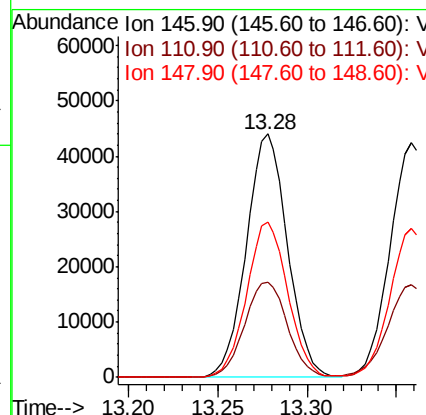
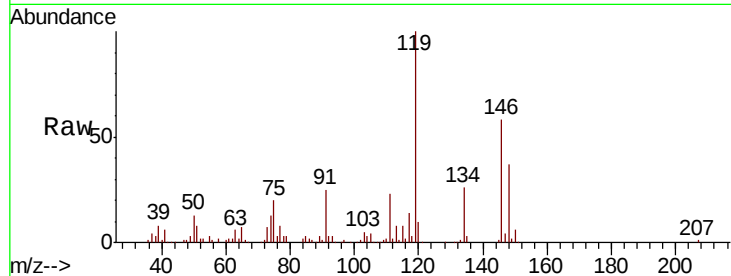




#87
 1,3-Dichlorobenzene
 Concen: 19.110 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. -0.00 min
 Lab File: VN061094.D
 Acq: 20 Apr 2020 12:25

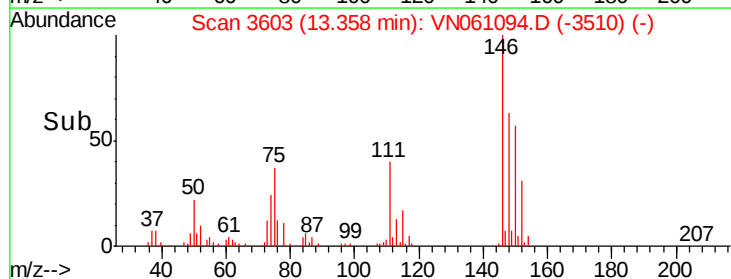
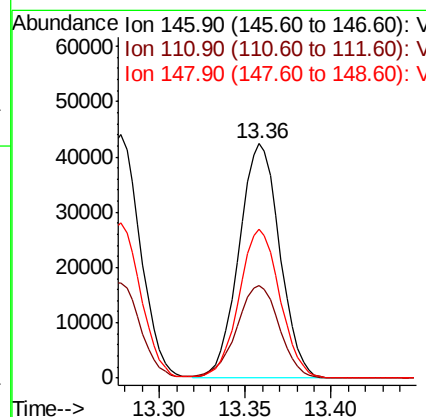
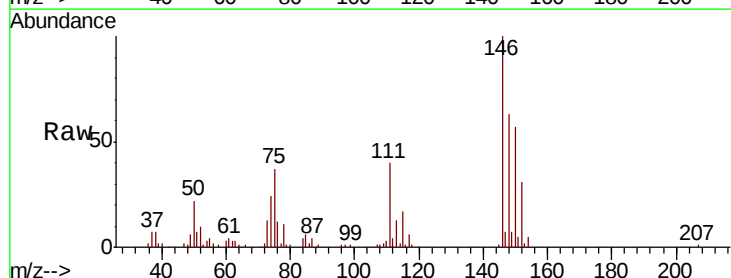
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0420WBS01

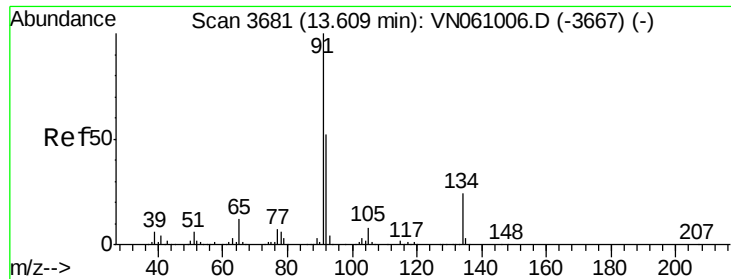
Tot Ion:146 Resp: 70713
 Ion Ratio Lower Upper
 146 100
 111 40.6 20.6 61.8
 148 63.7 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 18.806 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. -0.00 min
 Lab File: VN061094.D
 Acq: 20 Apr 2020 12:25

Tgt Ion:146 Resp: 70008
 Ion Ratio Lower Upper
 146 100
 111 41.6 20.1 60.3
 148 63.7 32.1 96.3





#89

n-Butylbenzene

Concen: 19.092 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN061094.D

Acq: 20 Apr 2020 12:25

Instrument :

MSVOA_N

ClientSampled :

VN0420WBS01

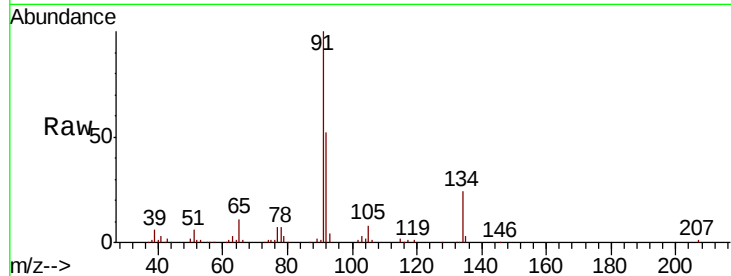
Tot Ion: 91 Resp: 132421

Ion Ratio Lower Upper

91 100

92 52.1 26.1 78.2

134 24.3 12.3 36.8

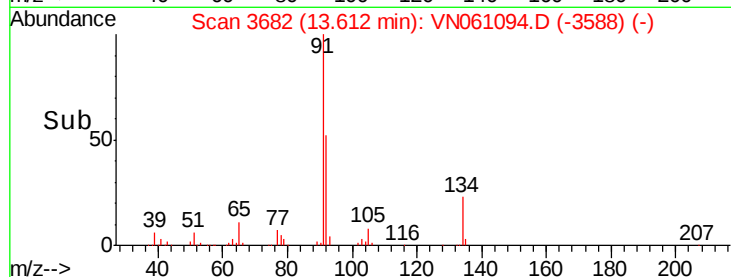


Abundance Ion 91.00 (90.70 to 91.70): VN061006.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN061006.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN061006.D (-3667) (-)

Time-->

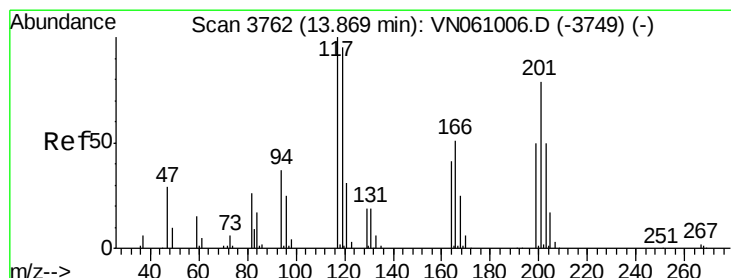


Abundance Ion 91.00 (90.70 to 91.70): VN061094.D (-3588) (-)

Ion 92.00 (91.70 to 92.70): VN061094.D (-3588) (-)

Ion 134.00 (133.70 to 134.70): VN061094.D (-3588) (-)

Time-->



#90

Hexachloroethane

Concen: 19.038 ug/l

RT: 13.87 min Scan# 3762

Delta R.T. -0.00 min

Lab File: VN061094.D

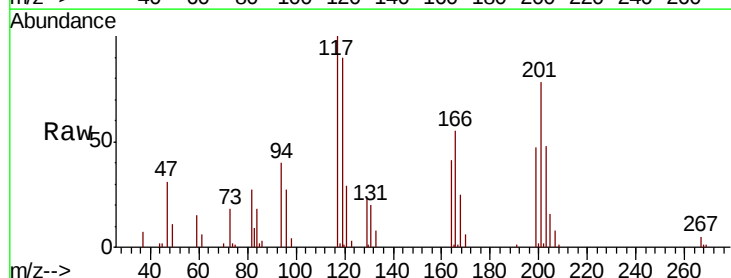
Acq: 20 Apr 2020 12:25

Tgt Ion: 117 Resp: 21786

Ion Ratio Lower Upper

117 100

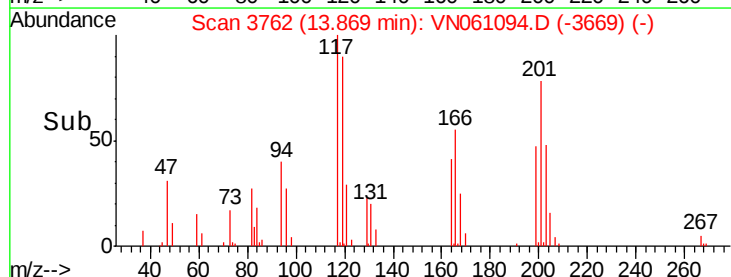
201 79.0 39.3 117.9



Abundance Ion 116.80 (116.50 to 117.50): VN061006.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN061006.D (-3749) (-)

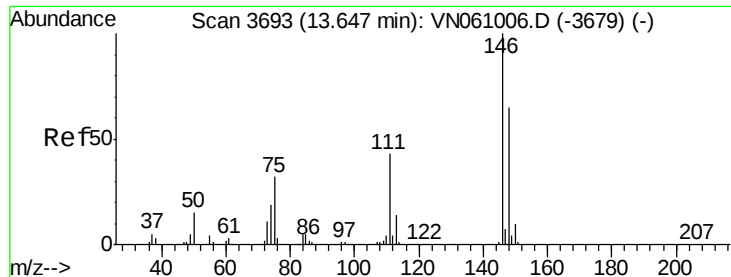
Time-->



Abundance Ion 116.80 (116.50 to 117.50): VN061094.D (-3669) (-)

Ion 200.70 (200.40 to 201.40): VN061094.D (-3669) (-)

Time-->



#91

1,2-Dichlorobenzene

Concen: 18.927 ug/l

RT: 13.65 min Scan# 3693

Delta R.T. -0.00 min

Lab File: VN061094.D

Acq: 20 Apr 2020 12:25

Instrument :

MSVOA_N

ClientSampled :

VN0420WBS01

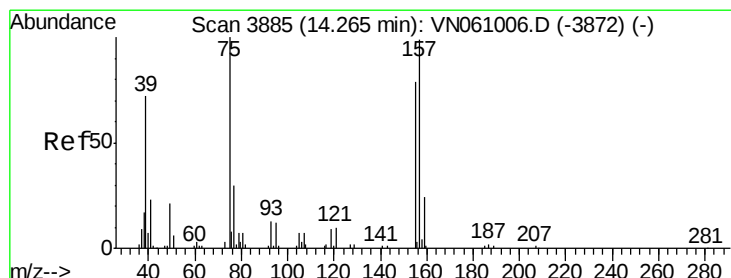
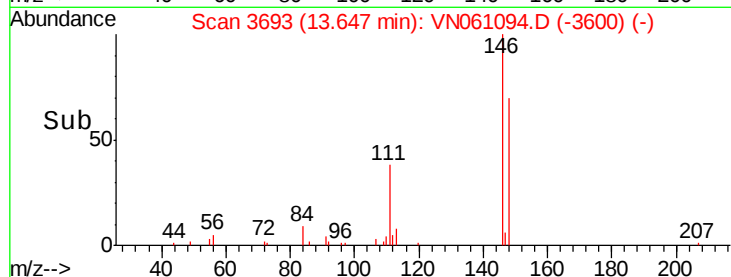
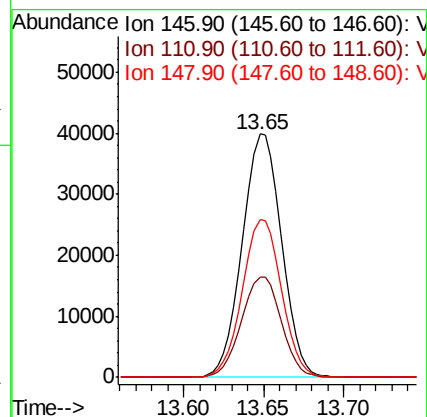
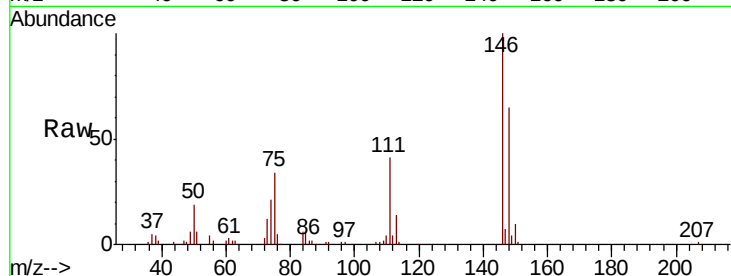
Tot Ion:146 Resp: 66843

Ion Ratio Lower Upper

146 100

111 41.8 21.3 64.0

148 64.5 32.0 96.0



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.240 ug/l

RT: 14.26 min Scan# 3885

Delta R.T. -0.00 min

Lab File: VN061094.D

Acq: 20 Apr 2020 12:25

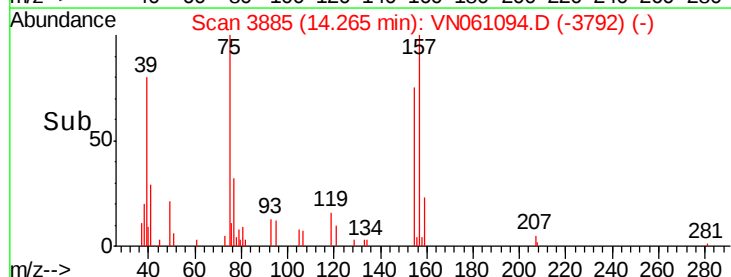
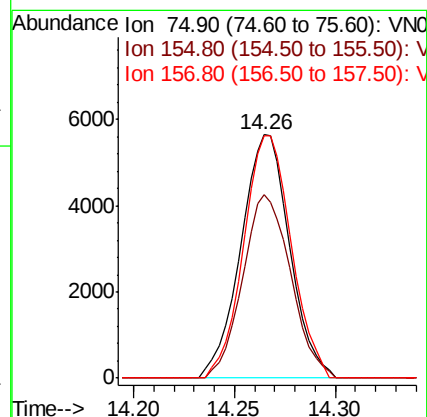
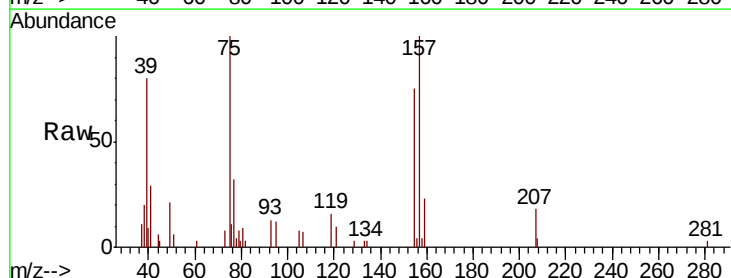
Tgt Ion: 75 Resp: 9583

Ion Ratio Lower Upper

75 100

155 74.1 39.5 118.5

157 97.1 50.1 150.4





#93

1,2,4-Trichlorobenzene

Concen: 18.883 ug/l

RT: 14.90 min Scan# 4084

Delta R.T. -0.00 min

Lab File: VN061094.D

Acq: 20 Apr 2020 12:25

Instrument :

MSVOA_N

ClientSampleId :

VN0420WBS01

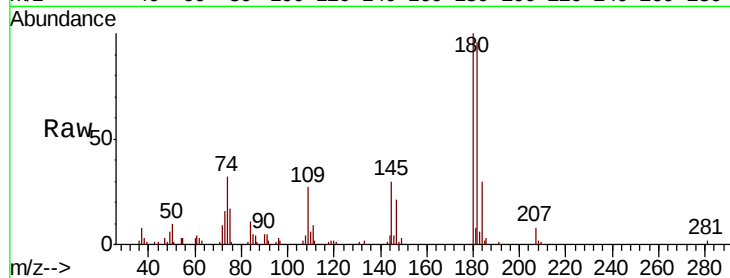
Tot Ion:180 Resp: 39471

Ion Ratio Lower Upper

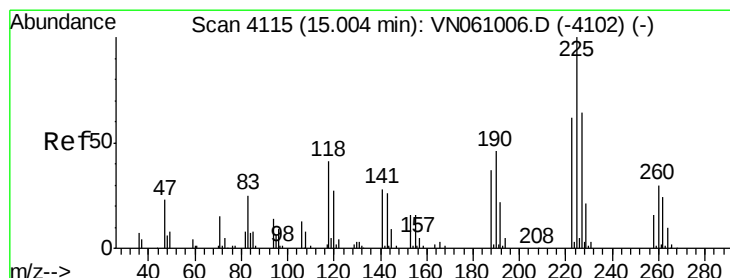
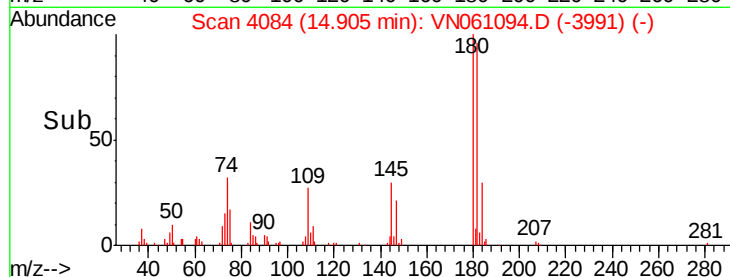
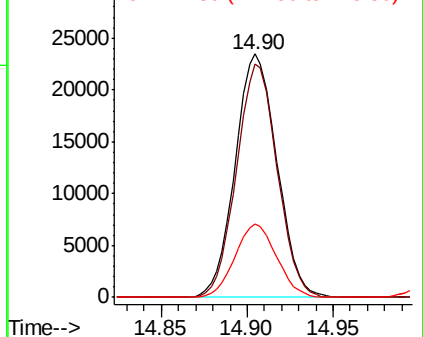
180 100

182 93.4 47.8 143.3

145 30.0 15.3 45.8



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: 19.666 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VN061094.D

Acq: 20 Apr 2020 12:25

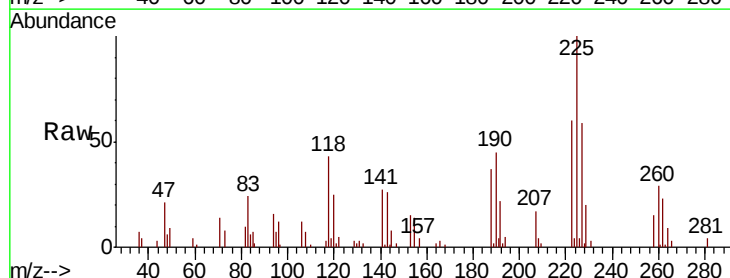
Tgt Ion:225 Resp: 21148

Ion Ratio Lower Upper

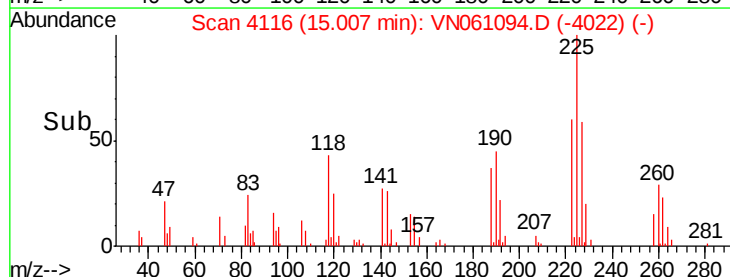
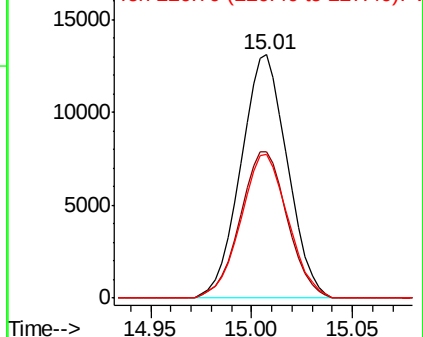
225 100

223 60.7 31.3 93.8

227 60.1 31.9 95.5



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: 17.828 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. -0.00 min

Lab File: VN061094.D

Acq: 20 Apr 2020 12:25

Instrument :

MSVOA_N

ClientSampleId :

VN0420WBS01

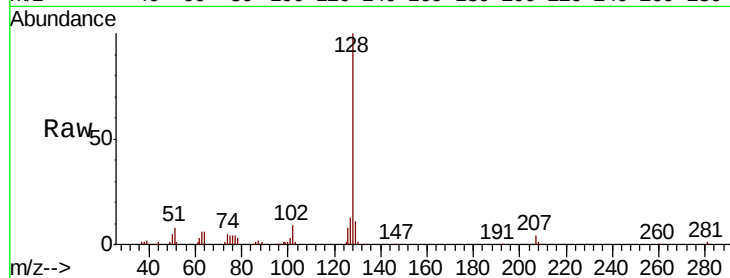
Tot Ion:128 Resp: 108682

Ion Ratio Lower Upper

128 100

127 12.6 10.2 15.4

129 10.9 8.6 13.0

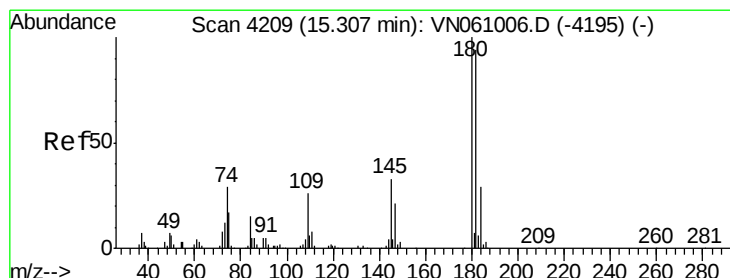
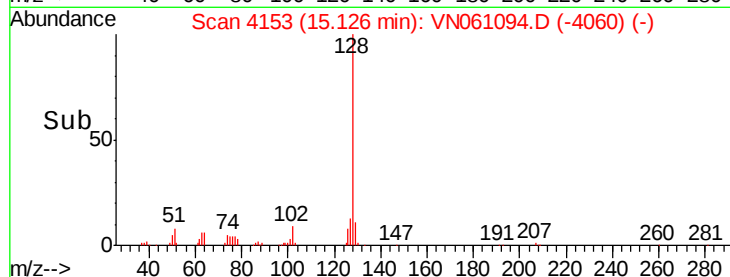
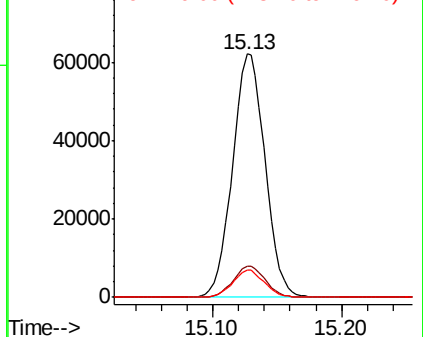


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 18.982 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. 0.00 min

Lab File: VN061094.D

Acq: 20 Apr 2020 12:25

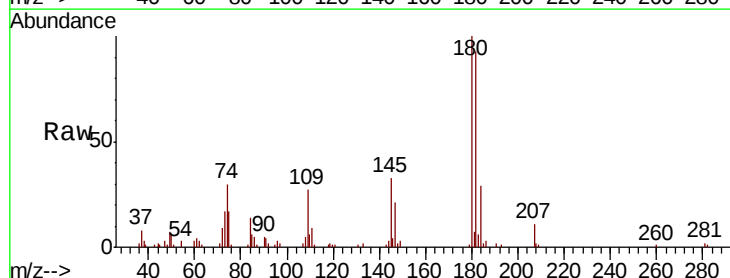
Tgt Ion:180 Resp: 38238

Ion Ratio Lower Upper

180 100

182 92.4 47.6 142.8

145 32.8 16.4 49.2



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

