

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041320\
 Data File : VN060913.D
 Acq On : 13 Apr 2020 21:20
 Operator : JC/MD
 Sample : VN0413WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0413WBSD01

Quant Time: Apr 14 07:24:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	142994	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	244941	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	219005	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	101665	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	103259	52.60	ug/l	0.00
Spiked Amount			Recovery	=	105.20%	
35) Dibromofluoromethane	7.56	113	77398	52.26	ug/l	0.00
Spiked Amount			Recovery	=	104.52%	
50) Toluene-d8	10.08	98	302618	50.02	ug/l	0.00
Spiked Amount			Recovery	=	100.04%	
62) 4-Bromofluorobenzene	12.40	95	108974	49.15	ug/l	0.00
Spiked Amount			Recovery	=	98.30%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	22544	16.294	ug/l	97
3) Chloromethane	2.04	50	41647	16.117	ug/l	96
4) Vinyl Chloride	2.17	62	34210	16.926	ug/l	100
5) Bromomethane	2.55	94	17385	19.925	ug/l	98
6) Chloroethane	2.69	64	21823	18.744	ug/l	100
7) Trichlorofluoromethane	3.00	101	46247	18.575	ug/l	98
8) Diethyl Ether	3.38	74	19836	19.832	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	27678	19.185	ug/l	99
10) Methyl Iodide	3.93	142	23453	18.269	ug/l	98
11) Tert butyl alcohol	4.72	59	28131	97.443	ug/l	97
12) 1,1-Dichloroethene	3.72	96	28255	18.250	ug/l	96
13) Acrolein	3.58	56	7425	23.206	ug/l	100
14) Allyl chloride	4.29	41	53115	19.507	ug/l	96
15) Acrylonitrile	4.94	53	85844	101.121	ug/l	99
16) Acetone	3.78	43	69198	99.518	ug/l	98
17) Carbon Disulfide	4.03	76	77884	16.541	ug/l	100
18) Methyl Acetate	4.29	43	42023	21.471	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	105391	19.800	ug/l	96
20) Methylene Chloride	4.52	84	32418	18.953	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	31040	18.812	ug/l	99
22) Diisopropyl ether	5.91	45	121354	21.095	ug/l	95
23) Vinyl Acetate	5.86	43	483954	103.107	ug/l	99
24) 1,1-Dichloroethane	5.82	63	62981	20.083	ug/l	99
25) 2-Butanone	6.80	43	112614	100.087	ug/l	97
26) 2,2-Dichloropropane	6.79	77	48671	19.725	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	36372	19.398	ug/l	98
28) Bromochloromethane	7.17	49	33243	22.156	ug/l	98
29) Tetrahydrofuran	7.18	42	78433	98.522	ug/l	97
30) Chloroform	7.35	83	59906	19.926	ug/l	98
31) Cyclohexane	7.63	56	58294	18.438	ug/l	98
32) 1,1,1-Trichloroethane	7.54	97	50232	19.382	ug/l	98
36) 1,1-Dichloropropene	7.77	75	45339	19.116	ug/l	99
37) Ethyl Acetate	6.90	43	50142	19.566	ug/l	99
38) Carbon Tetrachloride	7.75	117	39046	18.368	ug/l	100

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	51322	18.208	ug/l	96
40) Benzene	8.02	78	135919	18.983	ug/l	99
41) Methacrylonitrile	7.18	41	70748	64.686	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	47800	19.535	ug/l	98
43) Isopropyl Acetate	8.14	43	83002	19.638	ug/l	99
44) Trichloroethene	8.82	130	34020	18.849	ug/l	97
45) 1,2-Dichloropropane	9.10	63	38079	20.156	ug/l	99
46) Dibromomethane	9.19	93	22475	19.678	ug/l	98
47) Bromodichloromethane	9.38	83	46173	19.454	ug/l	99
48) Methyl methacrylate	9.18	41	35919	19.088	ug/l	98
49) 1,4-Dioxane	9.18	88	8661	387.224	ug/l	100
51) 4-Methyl-2-Pentanone	9.97	43	240557	100.021	ug/l	99
52) Toluene	10.14	92	81950	18.952	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	53711	19.701	ug/l	97
54) cis-1,3-Dichloropropene	9.82	75	57886	19.354	ug/l	100
55) 1,1,2-Trichloroethane	10.55	97	32445	19.504	ug/l	99
56) Ethyl methacrylate	10.42	69	49957	19.260	ug/l	98
57) 1,3-Dichloropropane	10.70	76	57238	19.828	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	113405	87.968	ug/l	99
59) 2-Hexanone	10.74	43	167753	96.827	ug/l	100
60) Dibromochloromethane	10.89	129	33325	19.394	ug/l	100
61) 1,2-Dibromoethane	10.99	107	31794	19.007	ug/l	100
64) Tetrachloroethene	10.62	164	30711	17.820	ug/l	98
65) Chlorobenzene	11.43	112	84054	19.360	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	31230	19.867	ug/l	98
67) Ethyl Benzene	11.50	91	157866	19.553	ug/l	99
68) m/p-Xylenes	11.61	106	114405	38.132	ug/l	98
69) o-Xylene	11.94	106	54221	18.931	ug/l	97
70) Styrene	11.96	104	87953	18.776	ug/l	98
71) Bromoform	12.12	173	22728	18.492	ug/l #	99
73) Isopropylbenzene	12.25	105	149137	19.547	ug/l	100
74) N-amyl acetate	12.06	43	69459	19.702	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	46560	20.180	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	62372	28.432	ug/l #	100
77) Bromobenzene	12.52	156	35195	19.144	ug/l	98
78) n-propylbenzene	12.59	91	175712	19.494	ug/l	98
79) 2-Chlorotoluene	12.67	91	103594	19.235	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	125239	19.343	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	15309	17.923	ug/l	97
82) 4-Chlorotoluene	12.77	91	106765	19.464	ug/l	99
83) tert-Butylbenzene	12.99	119	105824	19.717	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	124442	19.428	ug/l	99
85) sec-Butylbenzene	13.17	105	144870	20.072	ug/l	100
86) p-Isopropyltoluene	13.28	119	127239	19.605	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	63178	19.484	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	63030	19.348	ug/l	98
89) n-Butylbenzene	13.61	91	118071	20.150	ug/l	99
90) Hexachloroethane	13.87	117	19761	20.947	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	60607	19.548	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	8959	18.369	ug/l	94

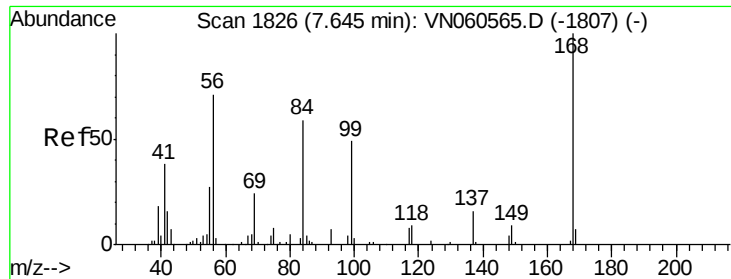
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Quant Title : SW846 8260
QLast Update : Wed Mar 18 08:49:09 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	37075	19.472	ug/l	99
94) Hexachlorobutadiene	15.01	225	19027	20.385	ug/l	99
95) Naphthalene	15.13	128	109099	19.051	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	36592	19.512	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060913.D

Acq: 13 Apr 2020 21:20

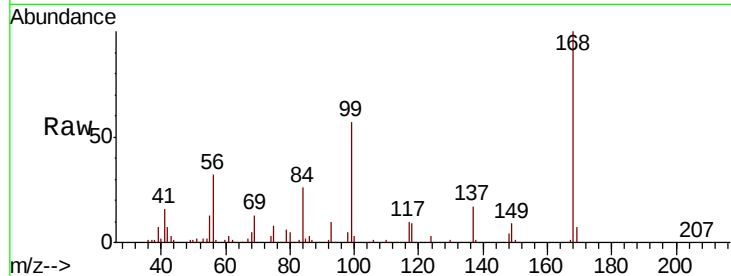
Instrument :
MSVOA_N
ClientSampleId :
VN0413WBSD01

Tot Ion:168 Resp: 142994

Ion Ratio Lower Upper

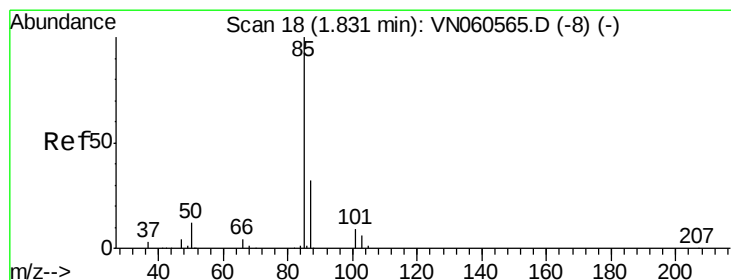
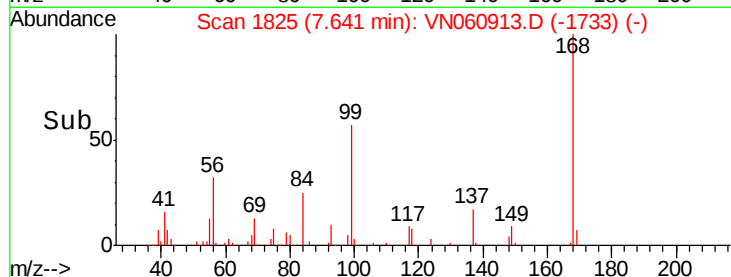
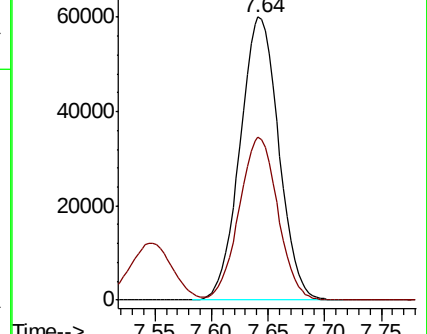
168 100

99 57.4 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 16.294 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060913.D

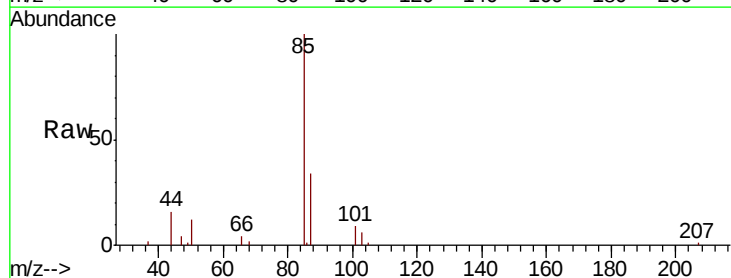
Acq: 13 Apr 2020 21:20

Tgt Ion: 85 Resp: 22544

Ion Ratio Lower Upper

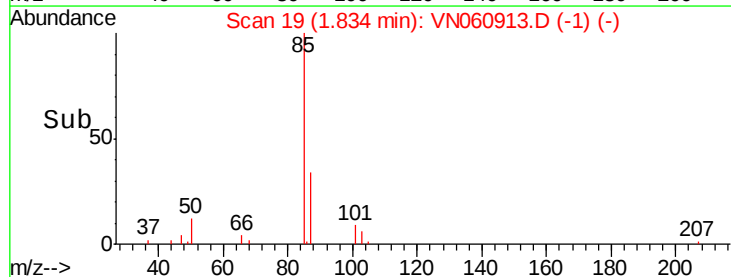
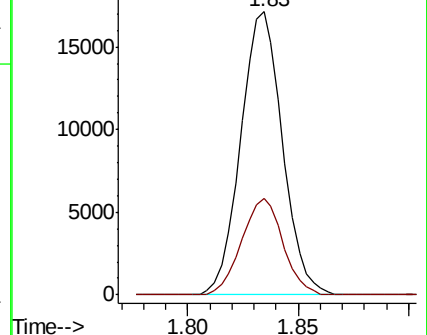
85 100

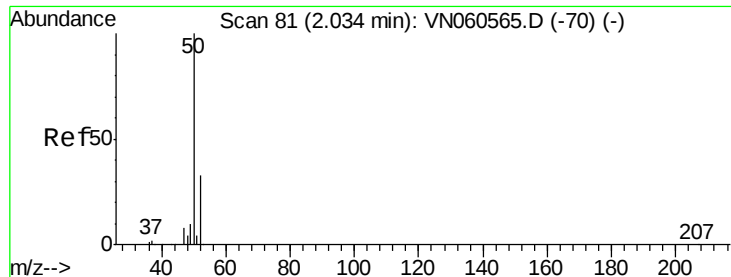
87 33.9 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 16.117 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060913.D

Acq: 13 Apr 2020 21:20

Instrument :

MSVOA_N

ClientSampleId :

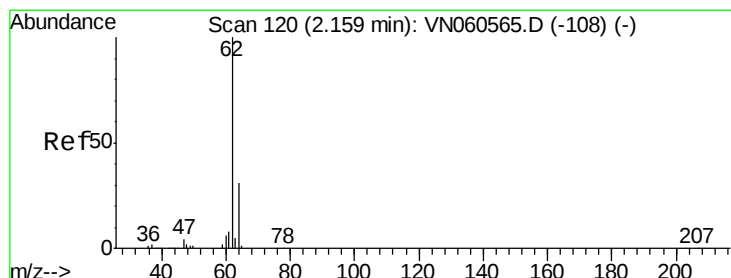
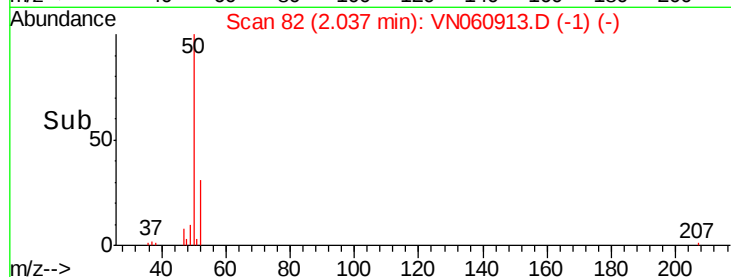
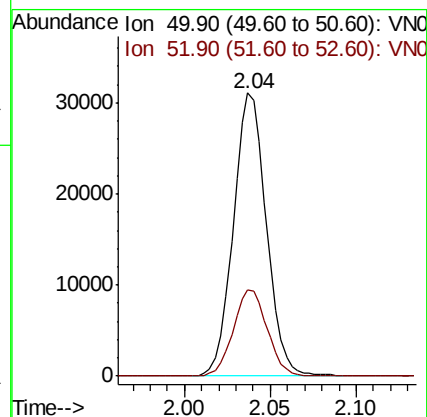
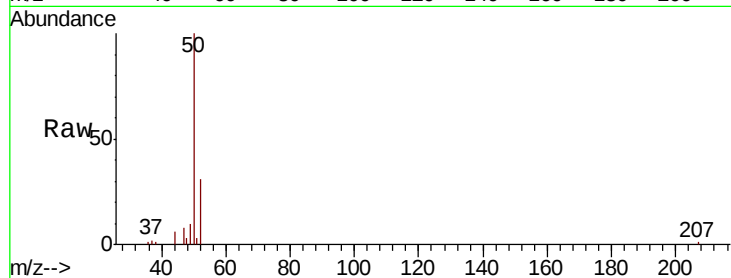
VN0413WBSD01

Tot Ion: 50 Resp: 41647

Ion Ratio Lower Upper

50 100

52 30.7 26.2 39.2



#4

Vinyl Chloride

Concen: 16.926 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.01 min

Lab File: VN060913.D

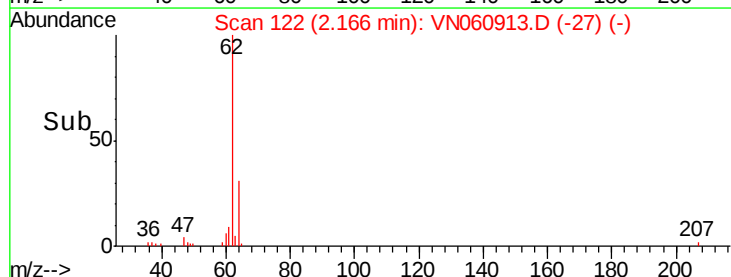
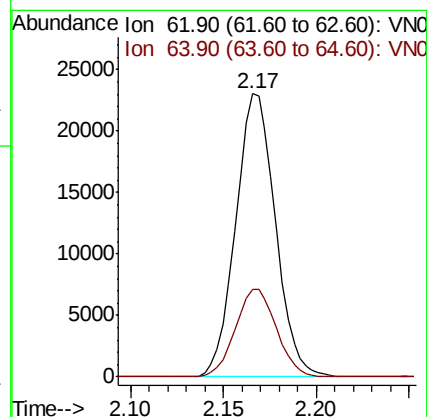
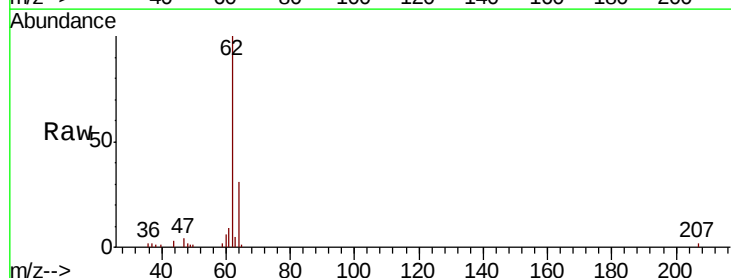
Acq: 13 Apr 2020 21:20

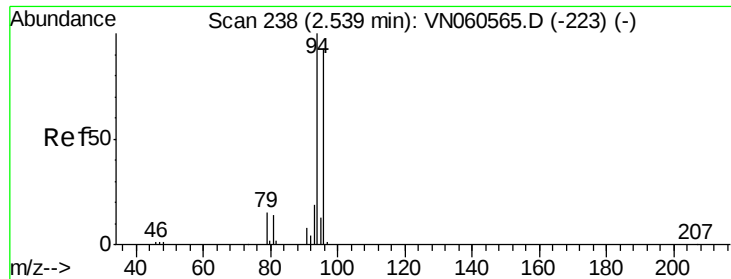
Tgt Ion: 62 Resp: 34210

Ion Ratio Lower Upper

62 100

64 30.8 24.7 37.1





#5

Bromomethane

Concen: 19.925 ug/l

RT: 2.55 min Scan# 242

Delta R.T. 0.01 min

Lab File: VN060913.D

Acq: 13 Apr 2020 21:20

Instrument :

MSVOA_N

ClientSampleId :

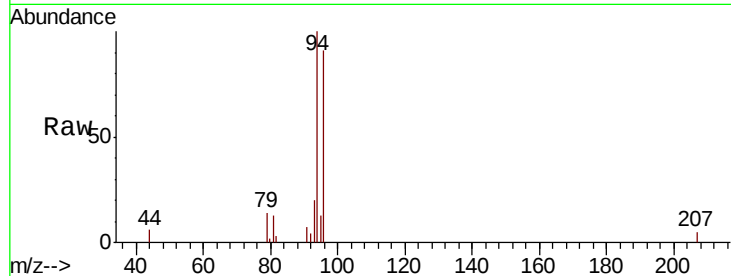
VN0413WBSD01

Tot Ion: 94 Resp: 17385

Ion Ratio Lower Upper

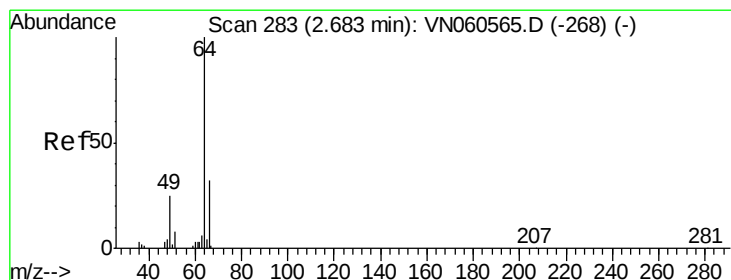
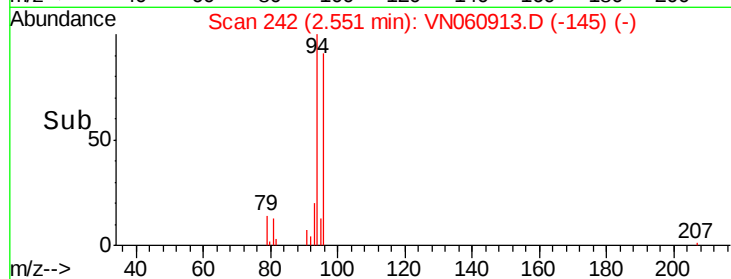
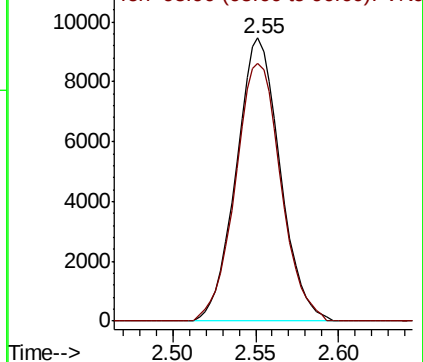
94 100

96 91.1 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.744 ug/l

RT: 2.69 min Scan# 285

Delta R.T. 0.01 min

Lab File: VN060913.D

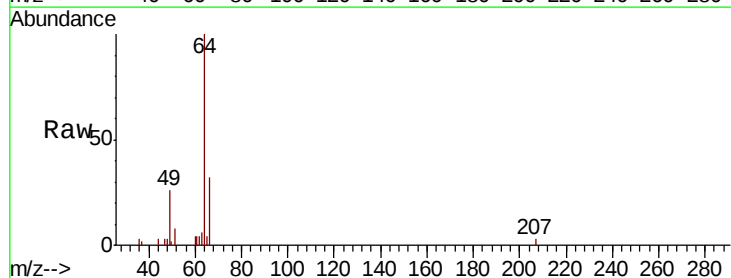
Acq: 13 Apr 2020 21:20

Tgt Ion: 64 Resp: 21823

Ion Ratio Lower Upper

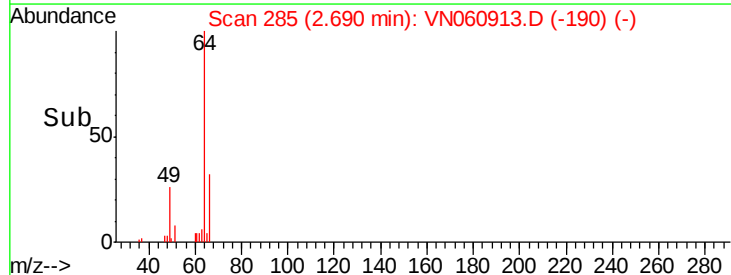
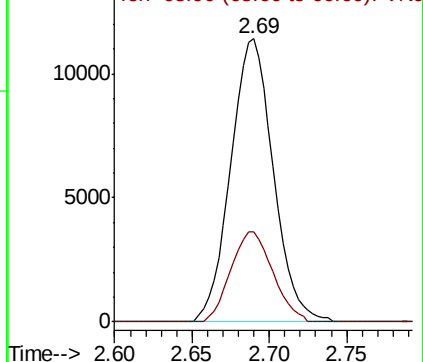
64 100

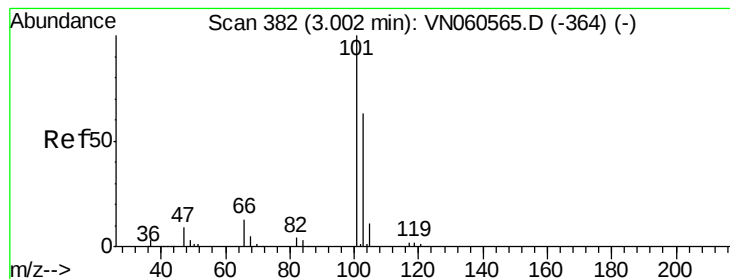
66 31.6 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



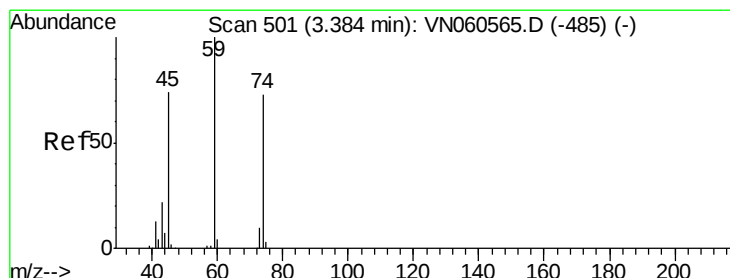
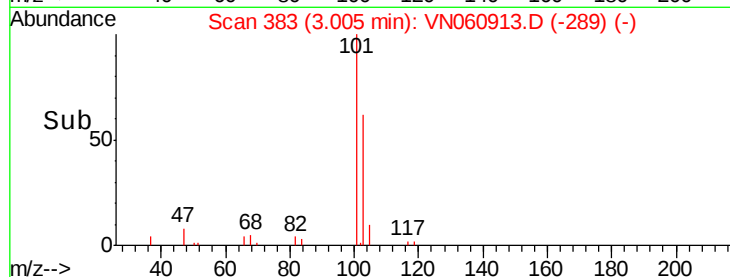
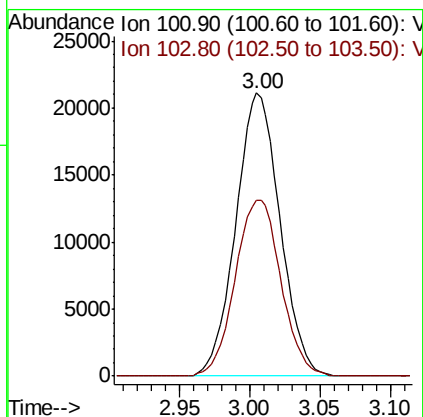
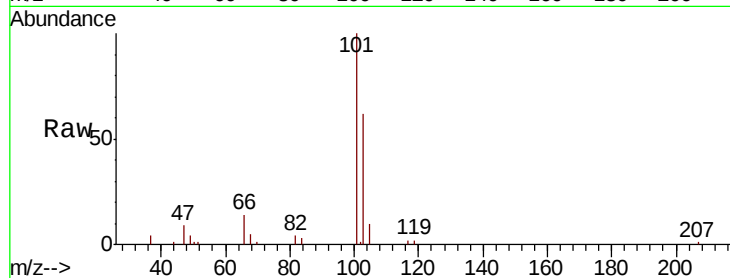


#7

Trichlorofluoromethane
 Concen: 18.575 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. 0.00 min
 Lab File: VN060913.D
 Acq: 13 Apr 2020 21:20

Instrument :
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 VN0413WBSD01

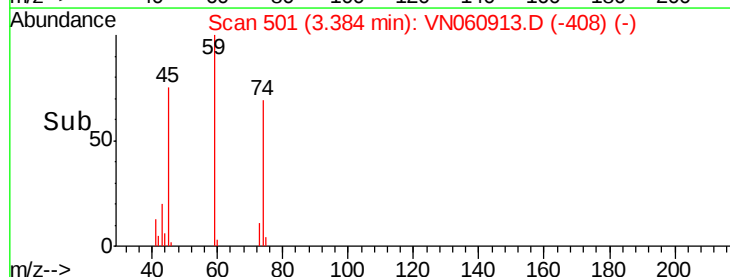
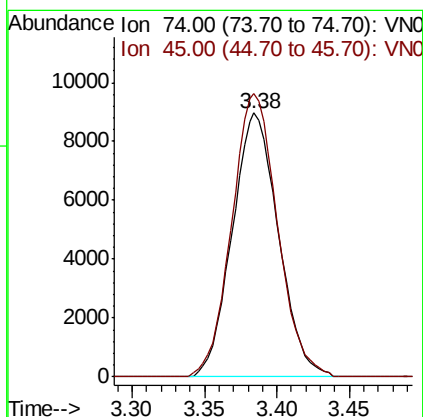
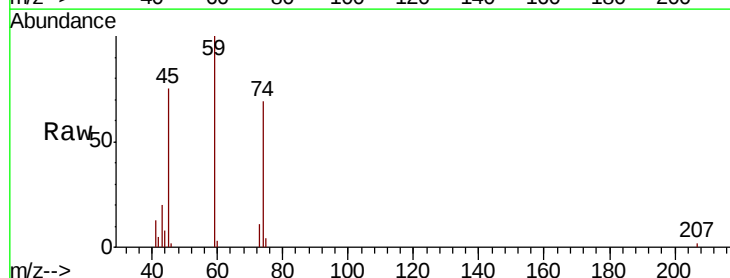
Tot Ion:101 Resp: 46247
 Ion Ratio Lower Upper
 101 100
 103 61.9 50.6 76.0

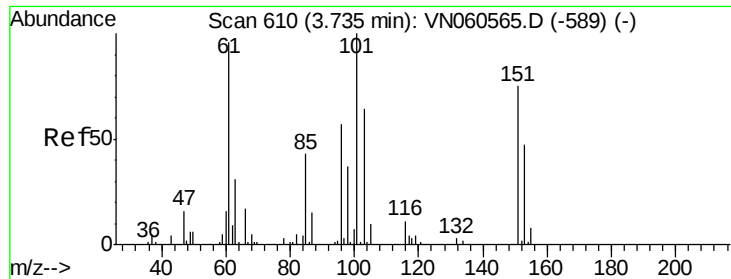


#8

Diethyl Ether
 Concen: 19.832 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. -0.00 min
 Lab File: VN060913.D
 Acq: 13 Apr 2020 21:20

Tgt Ion: 74 Resp: 19836
 Ion Ratio Lower Upper
 74 100
 45 106.6 51.3 153.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.185 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.01 min

Lab File: VN060913.D

Acq: 13 Apr 2020 21:20

Instrument :

MSVOA_N

ClientSampleId :

VN0413WBSD01

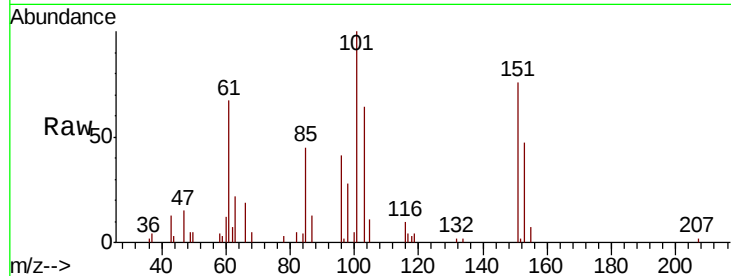
Tot Ion:101 Resp: 27678

Ion Ratio Lower Upper

101 100

85 45.6 35.6 53.4

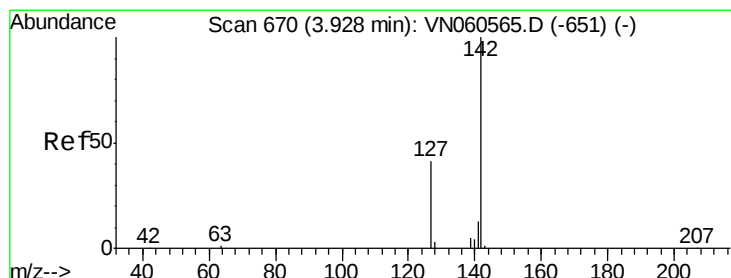
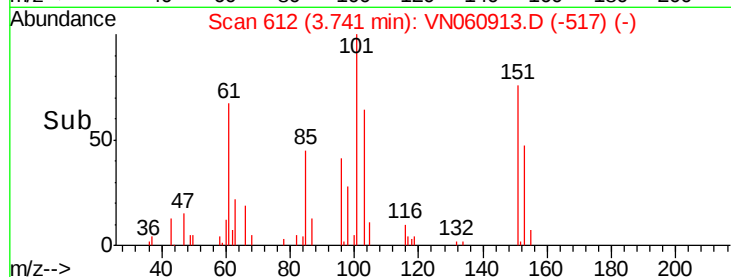
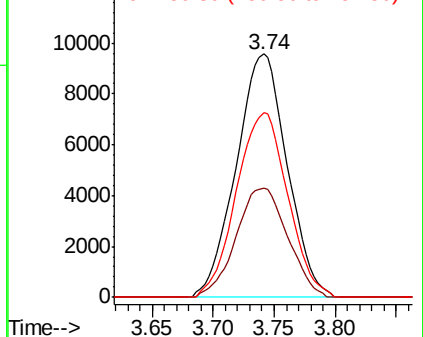
151 76.6 61.4 92.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.269 ug/l

RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

Lab File: VN060913.D

Acq: 13 Apr 2020 21:20

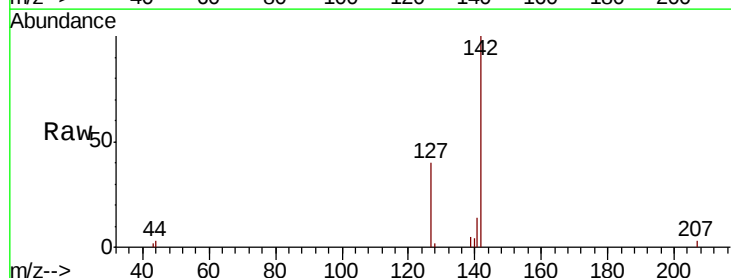
Tgt Ion:142 Resp: 23453

Ion Ratio Lower Upper

142 100

127 40.4 33.5 50.3

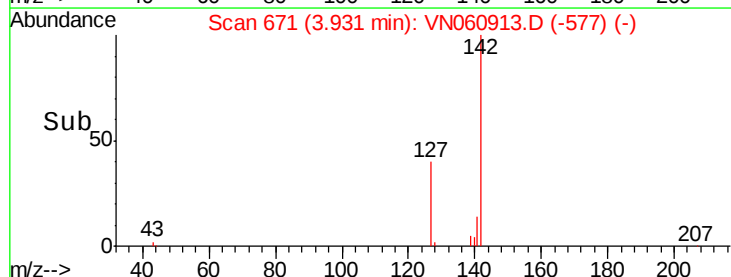
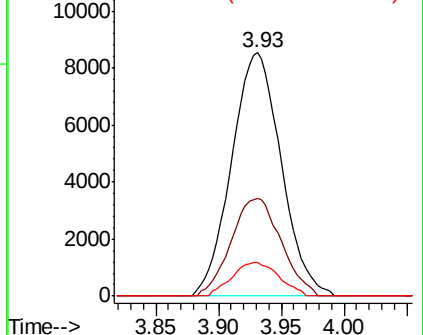
141 13.1 11.0 16.6

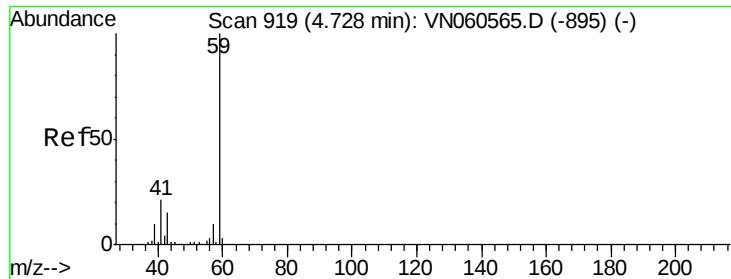


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



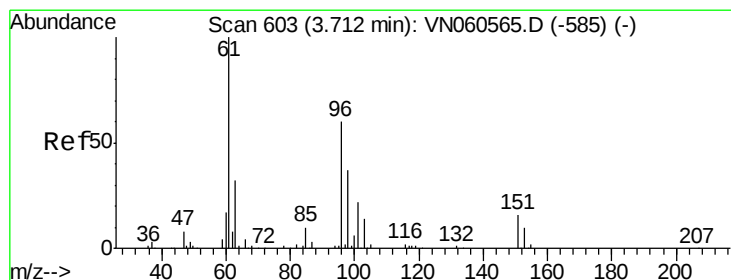
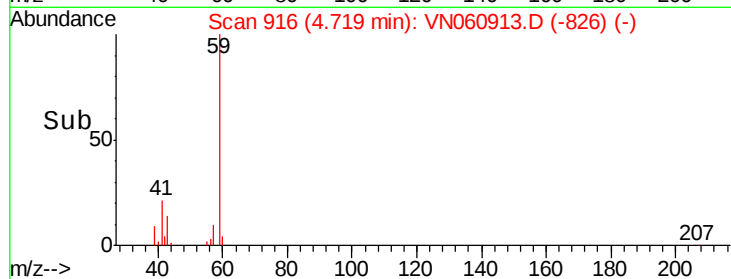
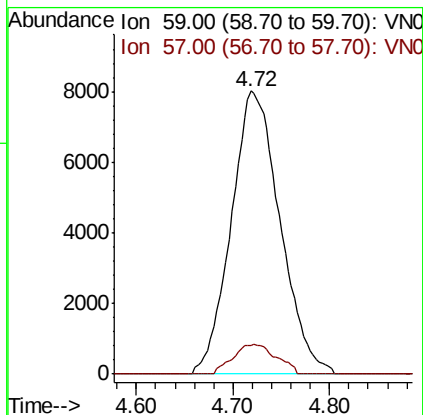
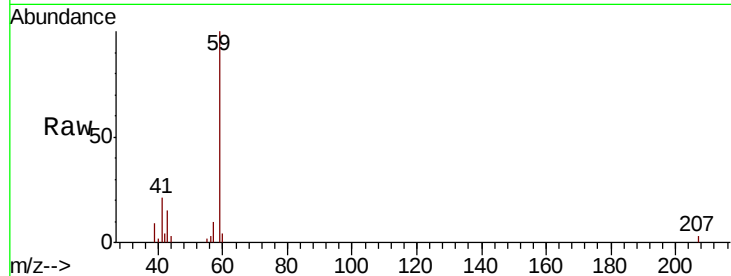


#11

Tert butyl alcohol
 Concen: 97.443 ug/l
 RT: 4.72 min Scan# 916
 Delta R.T. -0.01 min
 Lab File: VN060913.D
 Acq: 13 Apr 2020 21:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0413WBSD01

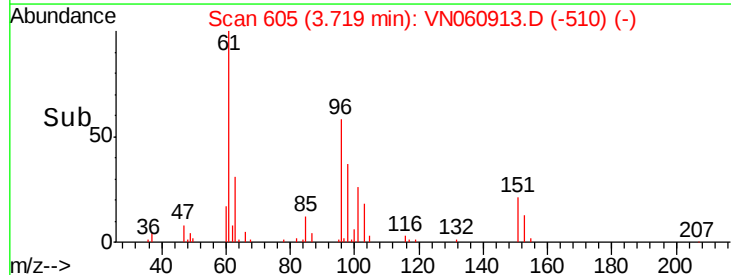
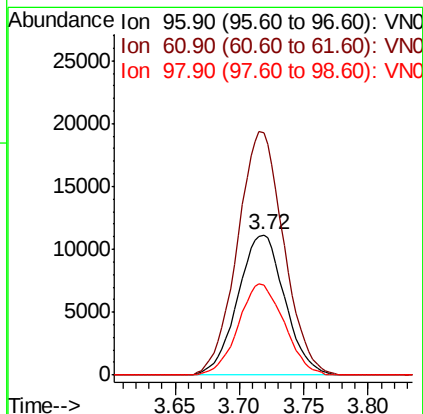
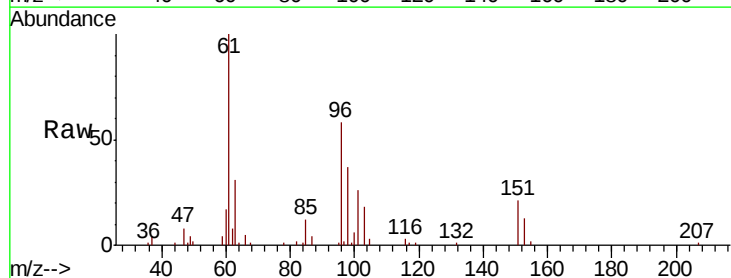
Tot Ion: 59 Resp: 28131
 Ion Ratio Lower Upper
 59 100
 57 9.3 8.2 12.4

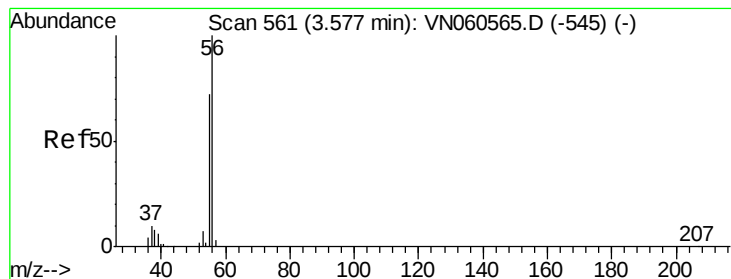


#12

1,1-Dichloroethene
 Concen: 18.250 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. 0.01 min
 Lab File: VN060913.D
 Acq: 13 Apr 2020 21:20

Tgt Ion: 96 Resp: 28255
 Ion Ratio Lower Upper
 96 100
 61 173.3 134.1 201.1
 98 63.8 49.9 74.9





#13

Acrolein

Concen: 23.206 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.01 min

Lab File: VN060913.D

Acq: 13 Apr 2020 21:20

Instrument :

MSVOA_N

ClientSampleId :

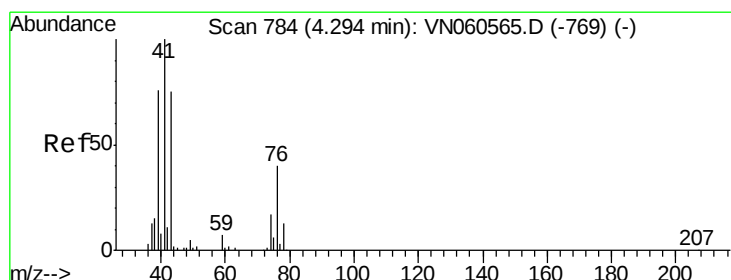
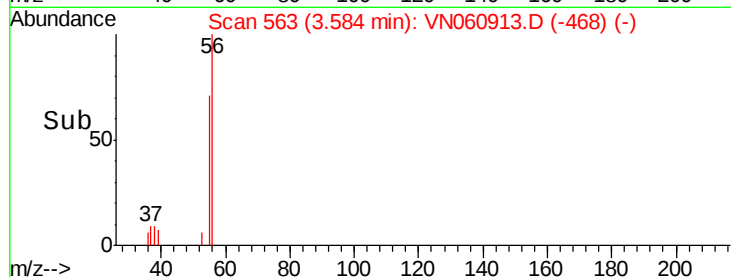
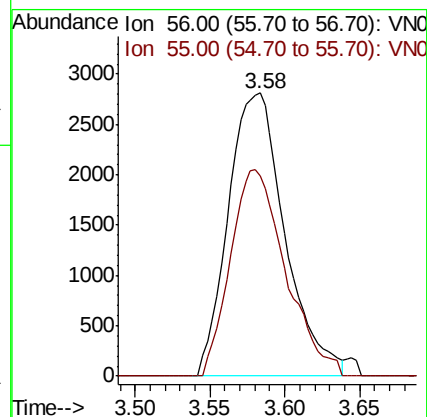
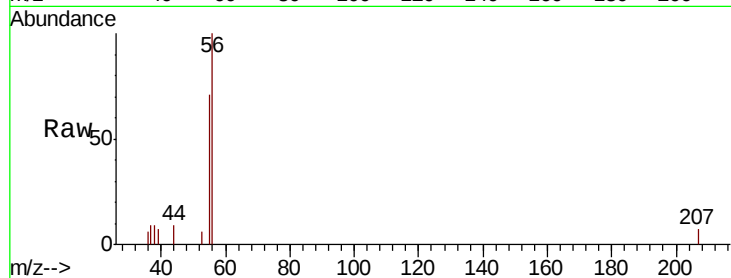
VN0413WBSD01

Tot Ion: 56 Resp: 7425

Ion Ratio Lower Upper

56 100

55 71.0 56.7 85.1



#14

Allyl chloride

Concen: 19.507 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN060913.D

Acq: 13 Apr 2020 21:20

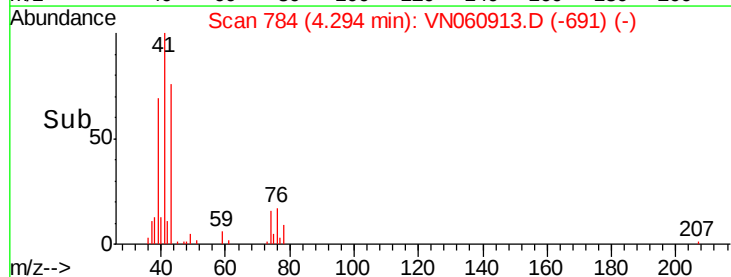
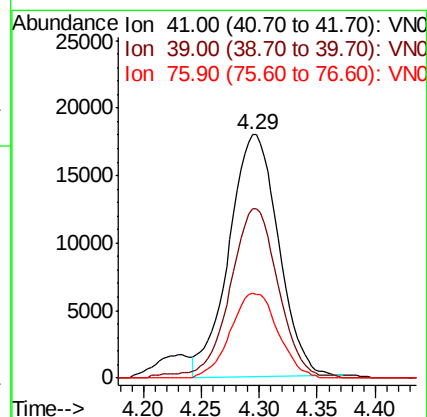
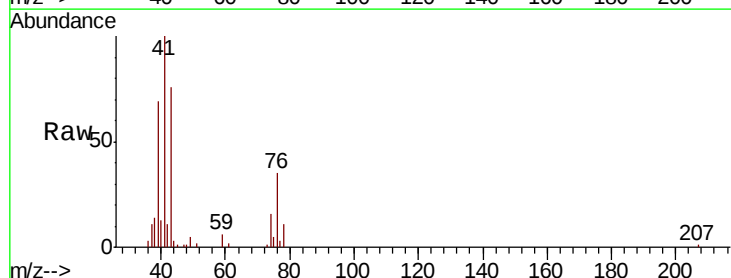
Tgt Ion: 41 Resp: 53115

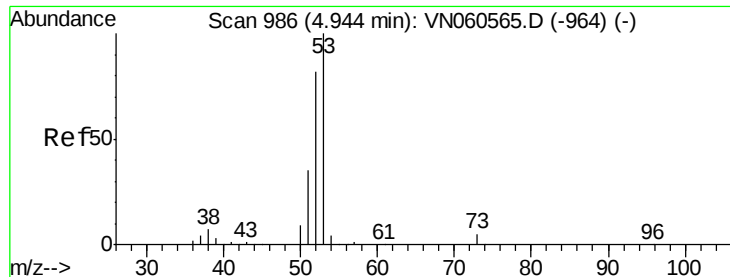
Ion Ratio Lower Upper

41 100

39 69.1 57.8 86.8

76 33.9 28.6 43.0





#15

Acrylonitrile

Concen: 101.121 ug/l

RT: 4.94 min Scan# 986

Delta R.T. -0.00 min

Lab File: VN060913.D

Acq: 13 Apr 2020 21:20

Instrument :

MSVOA_N

ClientSampleId :

VN0413WBSD01

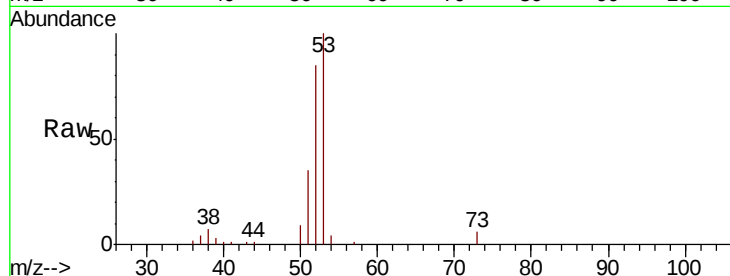
Tot Ion: 53 Resp: 85844

Ion Ratio Lower Upper

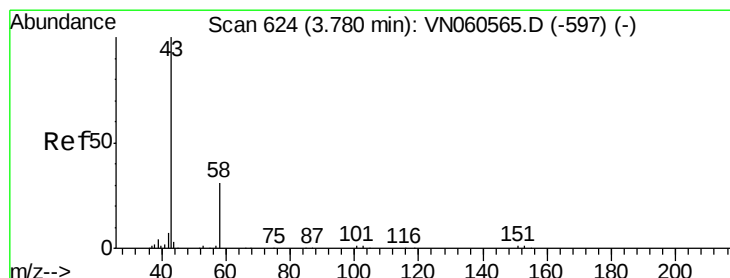
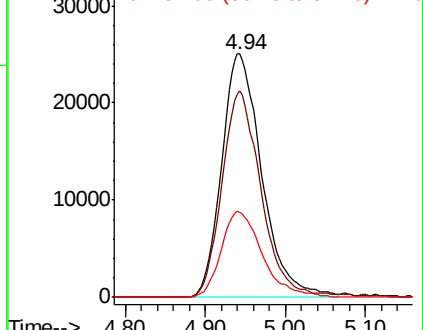
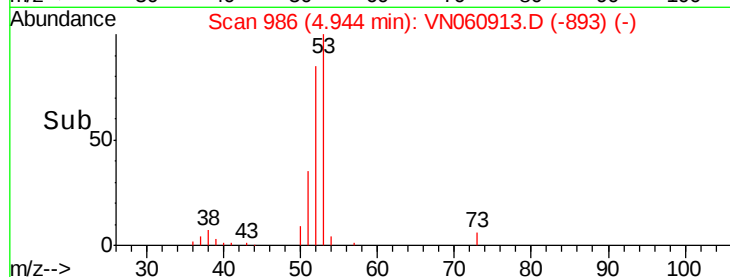
53 100

52 81.6 66.2 99.4

51 36.0 28.7 43.1



Abundance Ion 53.00 (52.70 to 53.70): VN060913.D (-893) (-)



#16

Acetone

Concen: 99.518 ug/l

RT: 3.78 min Scan# 624

Delta R.T. -0.00 min

Lab File: VN060913.D

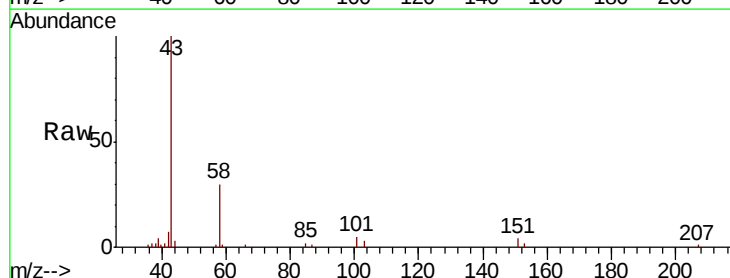
Acq: 13 Apr 2020 21:20

Tgt Ion: 43 Resp: 69198

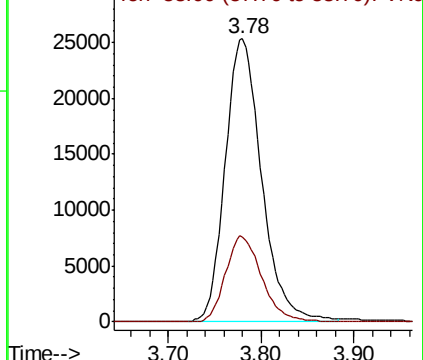
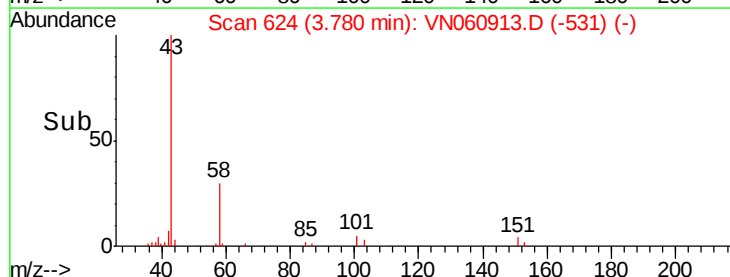
Ion Ratio Lower Upper

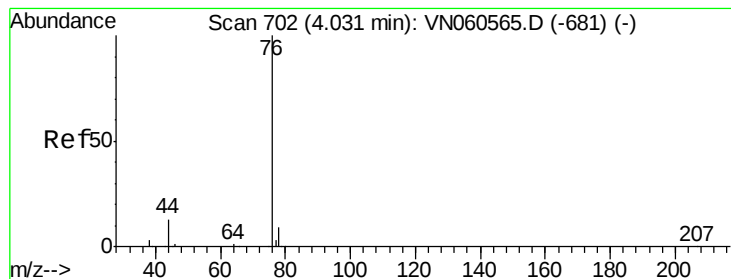
43 100

58 30.1 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VN060913.D (-531) (-)





#17

Carbon Disulfide

Concen: 16.541 ug/l

RT: 4.03 min Scan# 702

Delta R.T. -0.00 min

Lab File: VN060913.D

Acq: 13 Apr 2020 21:20

Instrument :

MSVOA_N

ClientSampleId :

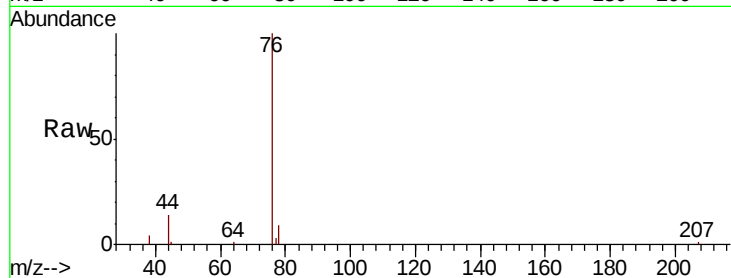
VN0413WBSD01

Tot Ion: 76 Resp: 77884

Ion Ratio Lower Upper

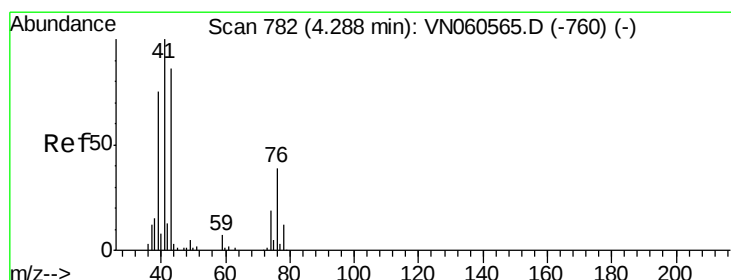
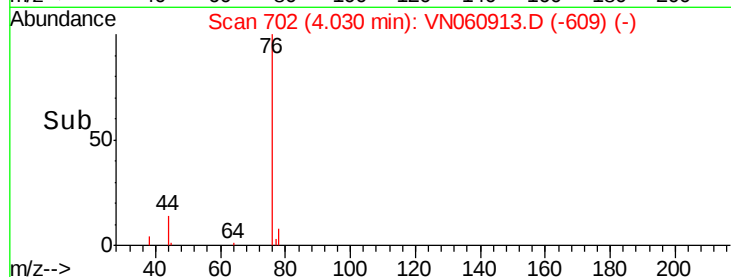
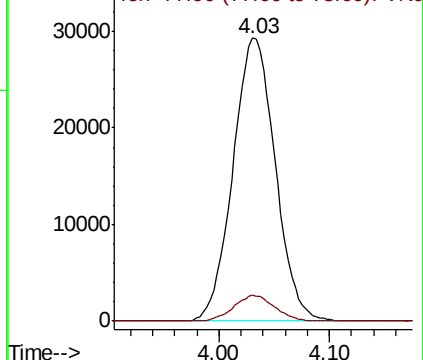
76 100

78 9.1 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VN060913.D (-609) (-)

Ion 77.90 (77.60 to 78.60): VN060913.D (-609) (-)



#18

Methyl Acetate

Concen: 21.471 ug/l

RT: 4.29 min Scan# 782

Delta R.T. -0.00 min

Lab File: VN060913.D

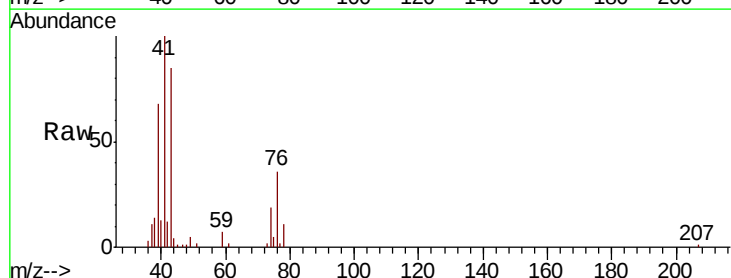
Acq: 13 Apr 2020 21:20

Tgt Ion: 43 Resp: 42023

Ion Ratio Lower Upper

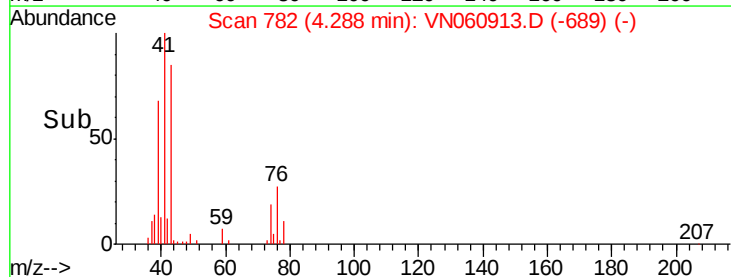
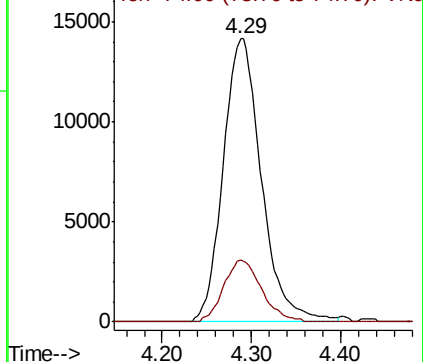
43 100

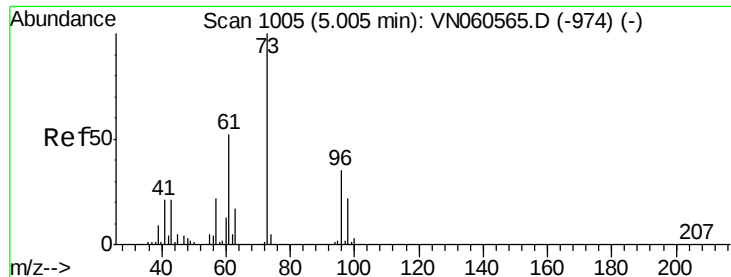
74 21.6 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VN060913.D (-689) (-)

Ion 74.00 (73.70 to 74.70): VN060913.D (-689) (-)

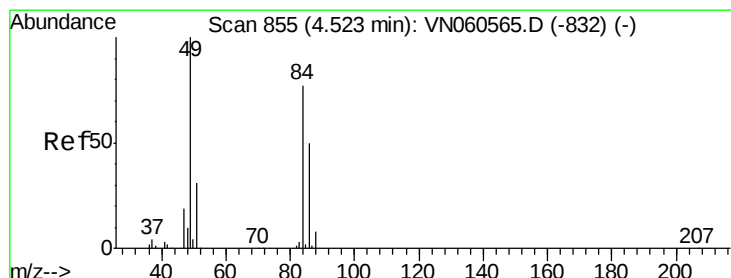
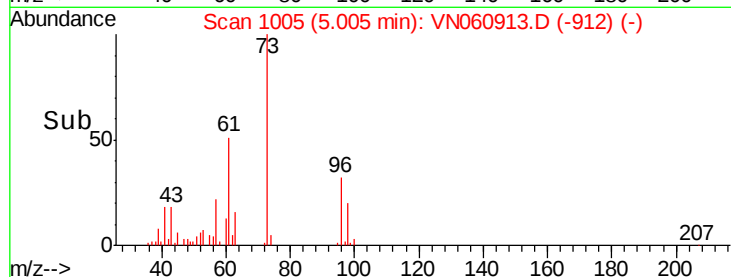
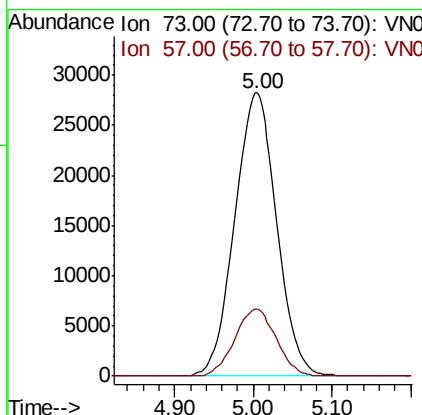
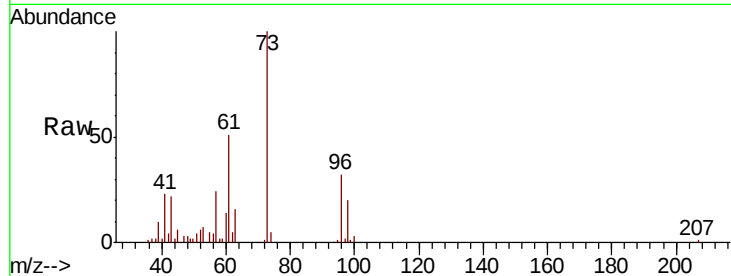




#19
Methyl tert-butyl Ether
Concen: 19.800 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. -0.00 min
Lab File: VN060913.D
Acq: 13 Apr 2020 21:20

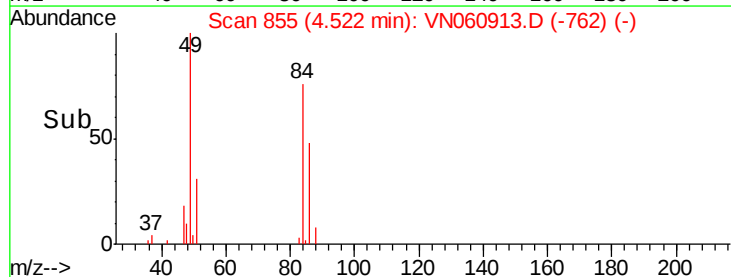
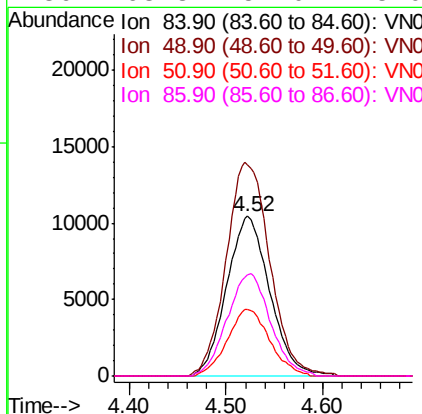
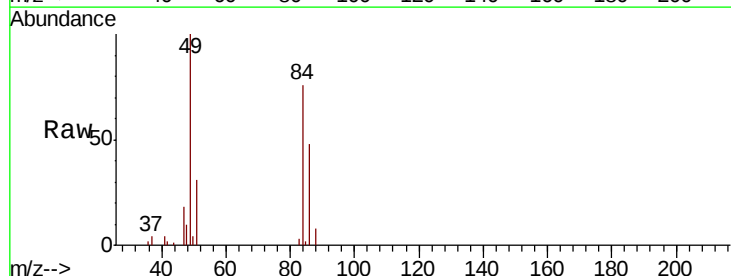
Instrument :
MSVOA_N
ClientSampleId :
VN0413WBSD01

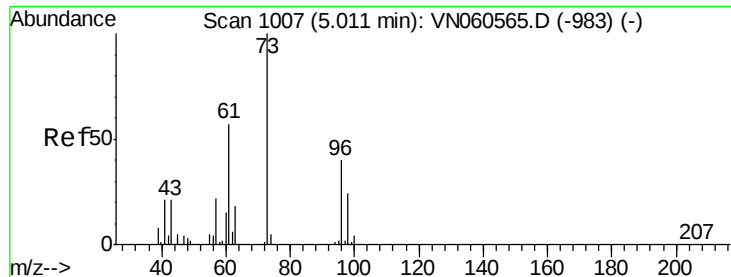
Tot Ion: 73 Resp: 105391
Ion Ratio Lower Upper
73 100
57 23.8 17.5 26.3



#20
Methylene Chloride
Concen: 18.953 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN060913.D
Acq: 13 Apr 2020 21:20

Tgt Ion: 84 Resp: 32418
Ion Ratio Lower Upper
84 100
49 132.3 103.3 154.9
51 41.5 31.6 47.4
86 63.3 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 18.812 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. 0.00 min

Lab File: VN060913.D

Acq: 13 Apr 2020 21:20

Instrument :

MSVOA_N

ClientSampleId :

VN0413WBSD01

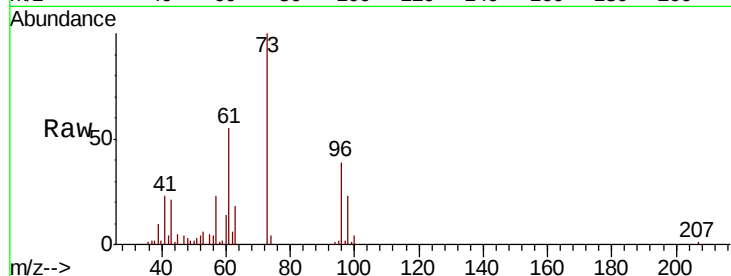
Tot Ion: 96 Resp: 31040

Ion Ratio Lower Upper

96 100

61 141.9 114.4 171.6

98 59.8 48.4 72.6

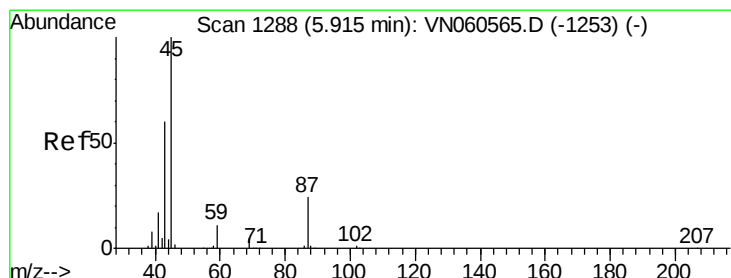
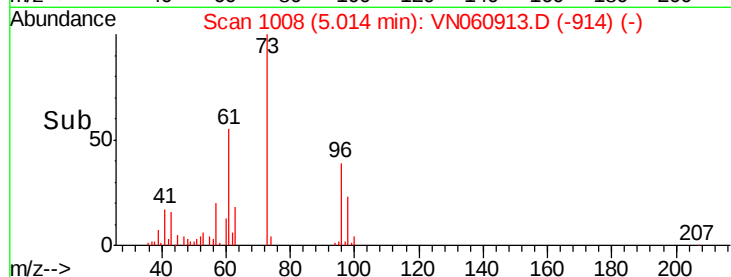
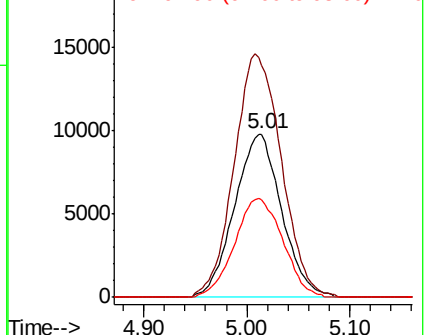


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 21.095 ug/l

RT: 5.91 min Scan# 1287

Delta R.T. -0.00 min

Lab File: VN060913.D

Acq: 13 Apr 2020 21:20

Tgt Ion: 45 Resp: 121354

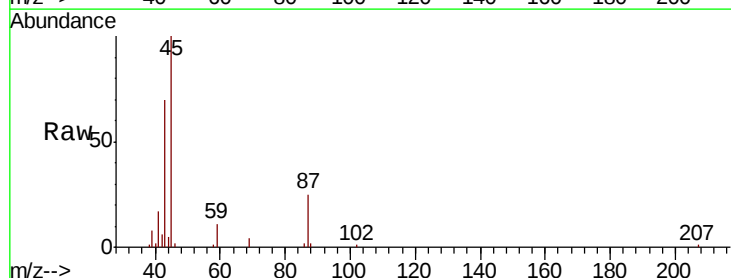
Ion Ratio Lower Upper

45 100

43 68.4 49.8 74.8

87 25.1 20.1 30.1

59 11.1 9.2 13.8



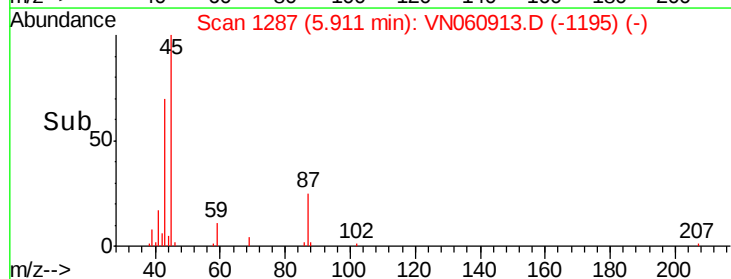
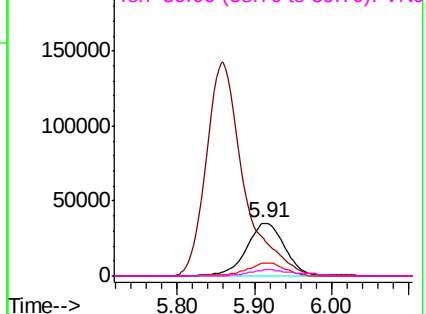
Abundance

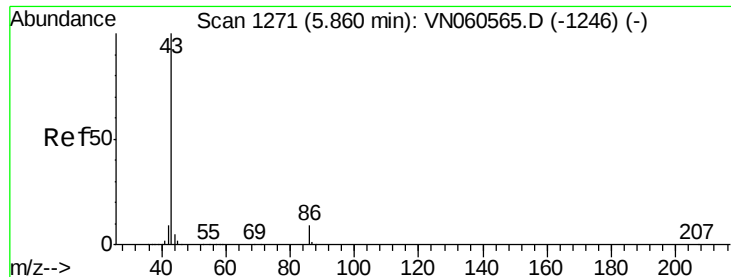
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 103.107 ug/l

RT: 5.86 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VN060913.D

Acq: 13 Apr 2020 21:20

Instrument :

MSVOA_N

ClientSampleId :

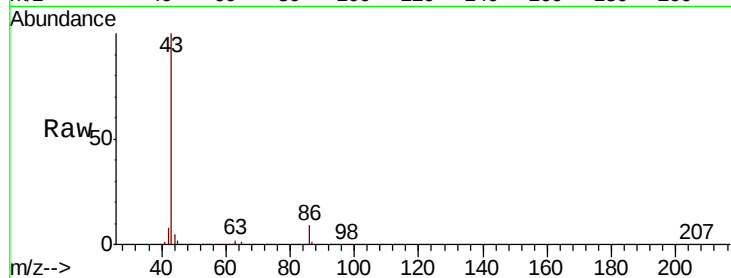
VN0413WBSD01

Tot Ion: 43 Resp: 483954

Ion Ratio Lower Upper

43 100

86 9.0 7.6 11.4



Abundance Ion 43.00 (42.70 to 43.70): VN060913.D (-1178) (-)

Ion 86.00 (85.70 to 86.70): VN060913.D (-1178) (-)

5.86

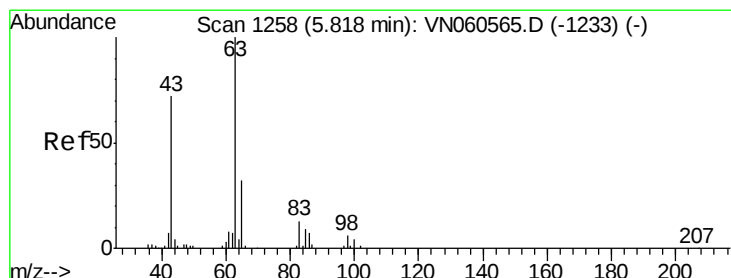
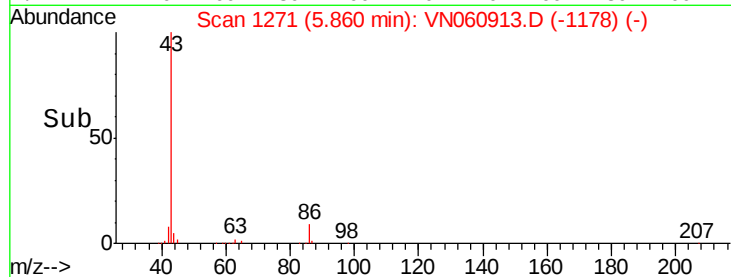
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.083 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VN060913.D

Acq: 13 Apr 2020 21:20

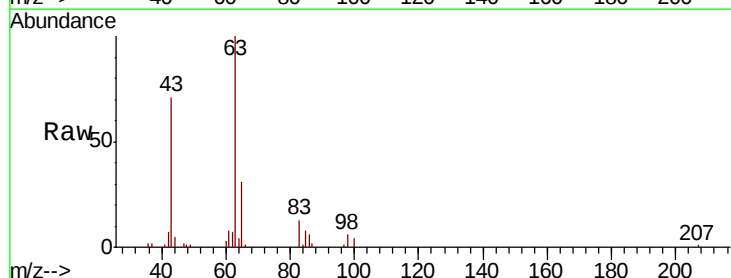
Tgt Ion: 63 Resp: 62981

Ion Ratio Lower Upper

63 100

98 6.2 2.9 8.7

100 4.3 1.8 5.5



Abundance Ion 62.90 (62.60 to 63.60): VN060913.D (-1165) (-)

Ion 97.90 (97.60 to 98.60): VN060913.D (-1165) (-)

Ion 99.90 (99.60 to 100.60): VN060913.D (-1165) (-)

5.82

25000

20000

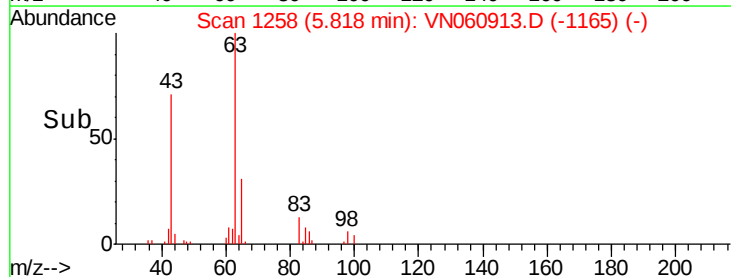
15000

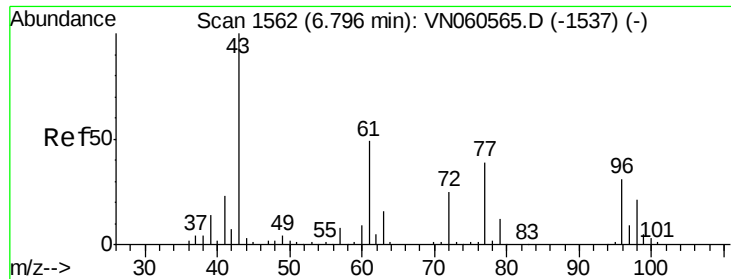
10000

5000

0

Time-->





#25

2-Butanone

Concen: 100.087 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060913.D

Acq: 13 Apr 2020 21:20

Instrument :

MSVOA_N

ClientSampleId :

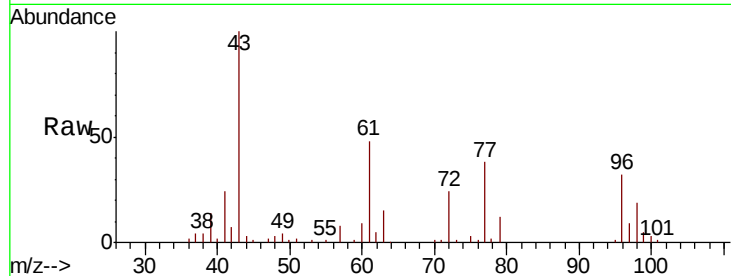
VN0413WBSD01

Tot Ion: 43 Resp: 112614

Ion Ratio Lower Upper

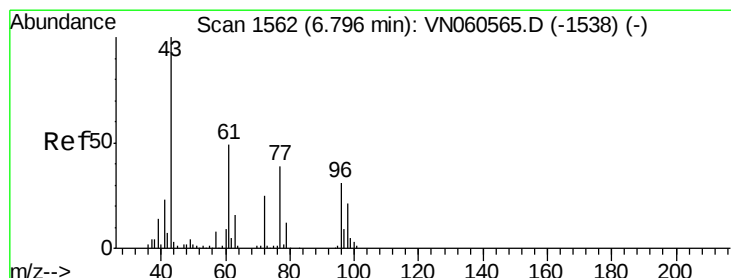
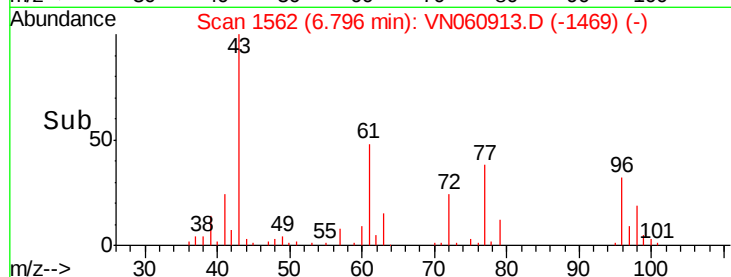
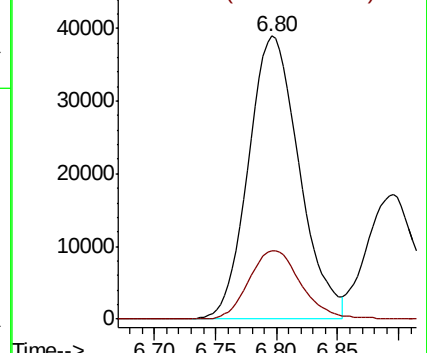
43 100

72 24.0 20.4 30.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 19.725 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN060913.D

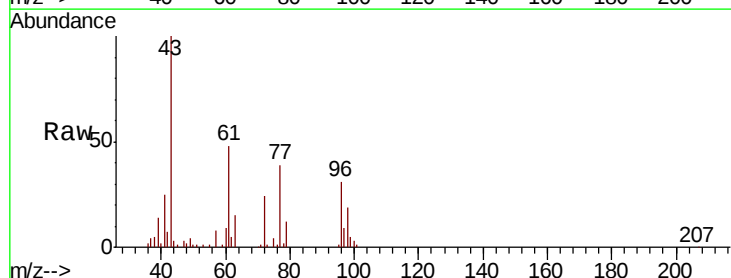
Acq: 13 Apr 2020 21:20

Tgt Ion: 77 Resp: 48671

Ion Ratio Lower Upper

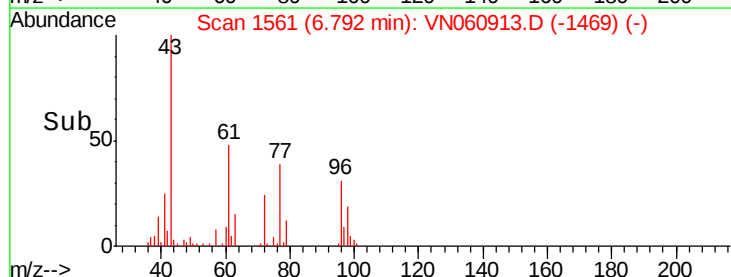
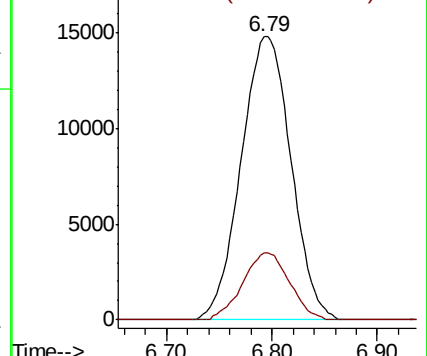
77 100

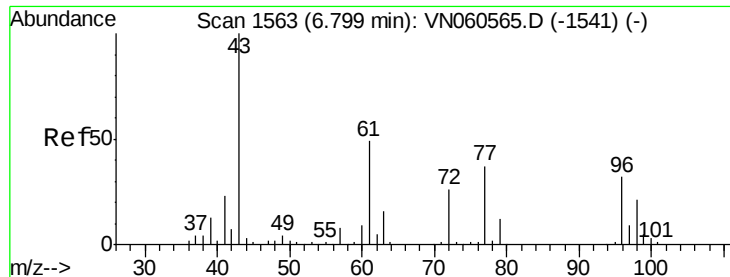
97 22.3 11.4 34.1



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 19.398 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN060913.D

Acq: 13 Apr 2020 21:20

Instrument :

MSVOA_N

ClientSampleId :

VN0413WBSD01

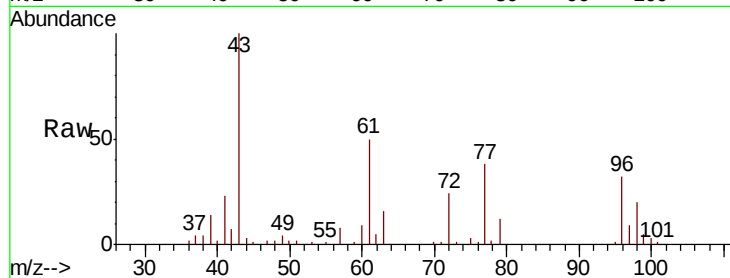
Tot Ion: 96 Resp: 36372

Ion Ratio Lower Upper

96 100

61 156.4 0.0 305.6

98 63.9 0.0 127.6

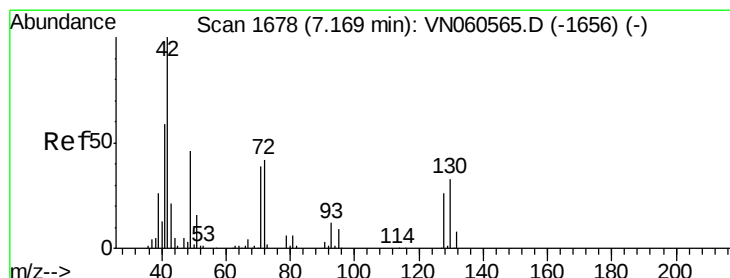
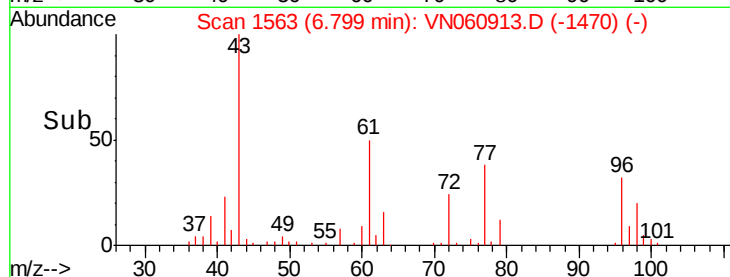
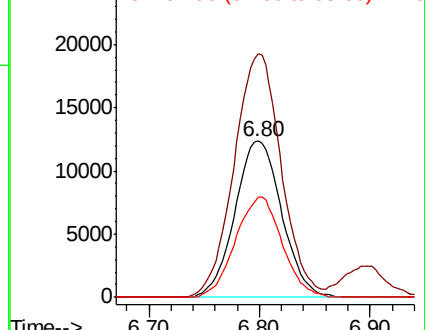


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 22.156 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. -0.00 min

Lab File: VN060913.D

Acq: 13 Apr 2020 21:20

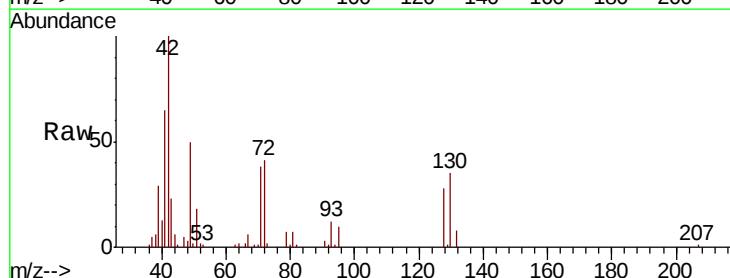
Tgt Ion: 49 Resp: 33243

Ion Ratio Lower Upper

49 100

129 1.0 0.0 3.4

130 66.7 55.0 82.4

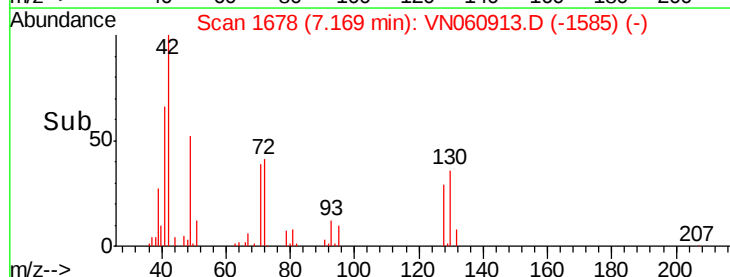
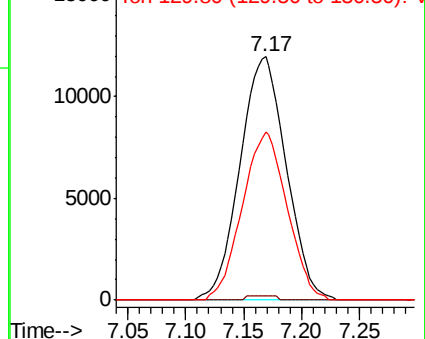


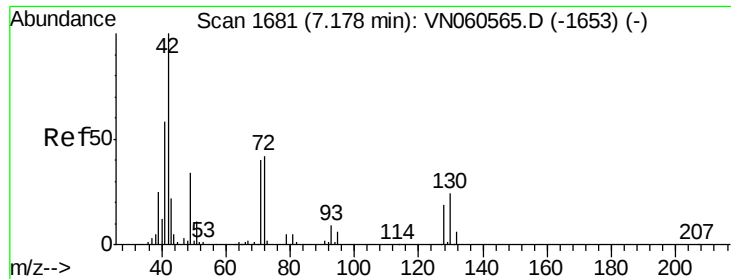
Abundance

Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

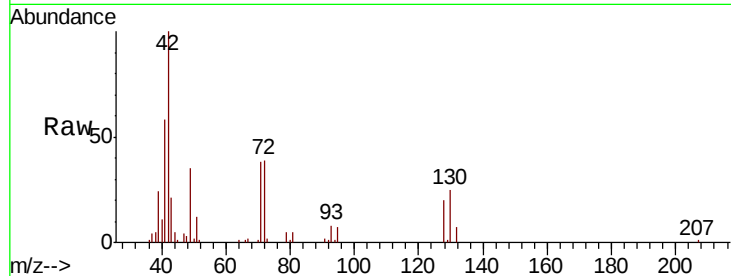




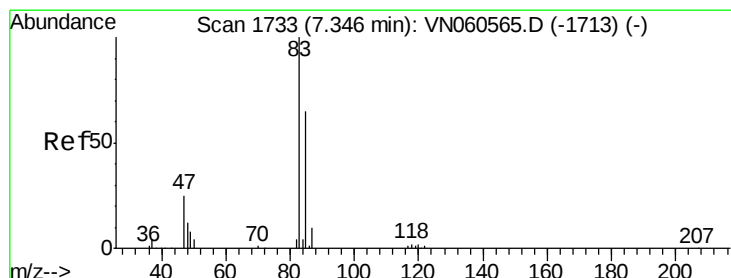
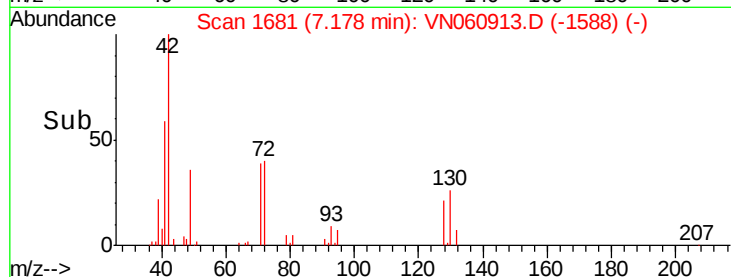
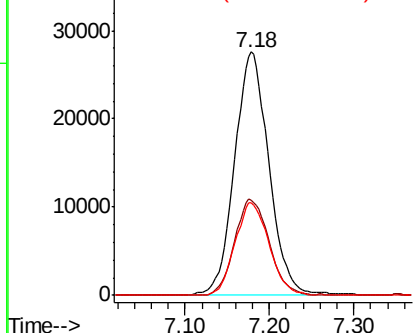
#29
Tetrahydrofuran
Concen: 98.522 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VN060913.D
Acq: 13 Apr 2020 21:20

Instrument :
MSVOA_N
ClientSampled :
VN0413WBSD01

Tot Ion: 42 Resp: 78433
Ion Ratio Lower Upper
42 100
72 39.4 33.2 49.8
71 37.5 31.1 46.7

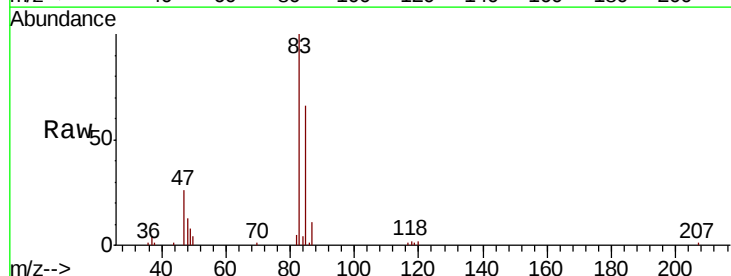


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

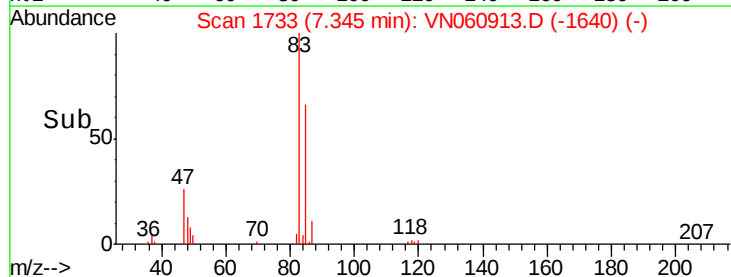
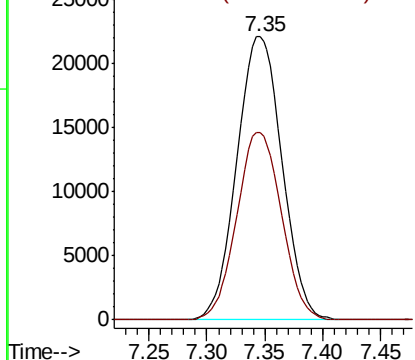


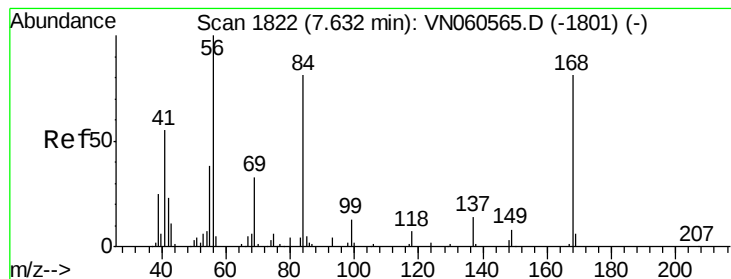
#30
Chloroform
Concen: 19.926 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN060913.D
Acq: 13 Apr 2020 21:20

Tgt Ion: 83 Resp: 59906
Ion Ratio Lower Upper
83 100
85 66.0 51.8 77.8



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





#31

Cyclohexane

Concen: 18.438 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VN060913.D

Acq: 13 Apr 2020 21:20

Instrument :

MSVOA_N

ClientSampleId :

VN0413WBSD01

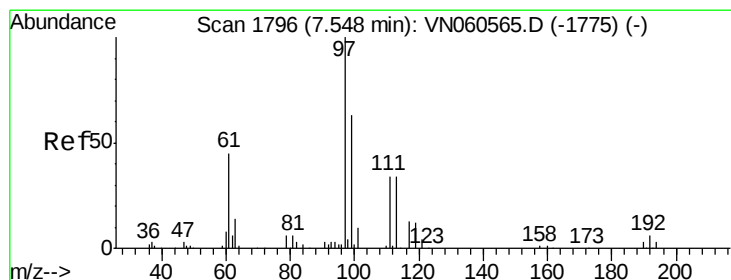
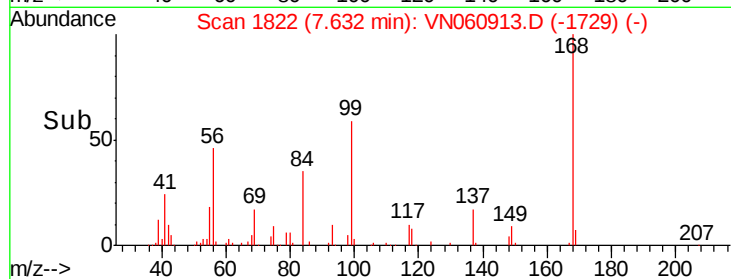
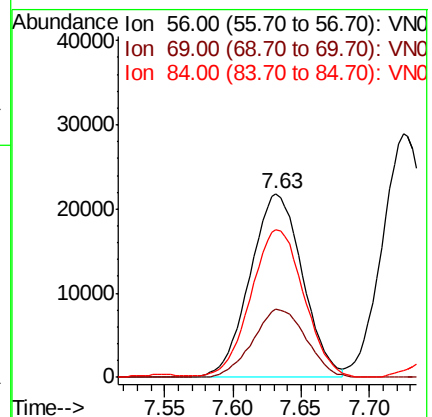
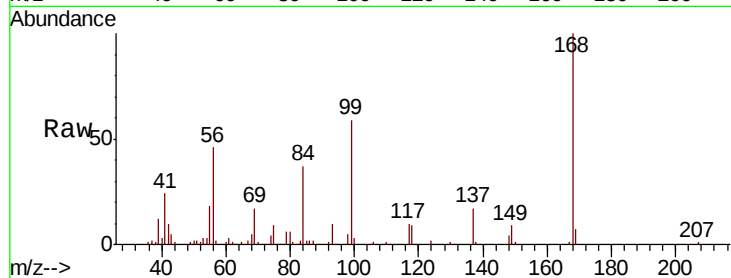
Tot Ion: 56 Resp: 58294

Ion Ratio Lower Upper

56 100

69 37.0 26.6 40.0

84 79.7 64.3 96.5



#32

1,1,1-Trichloroethane

Concen: 19.382 ug/l

RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN060913.D

Acq: 13 Apr 2020 21:20

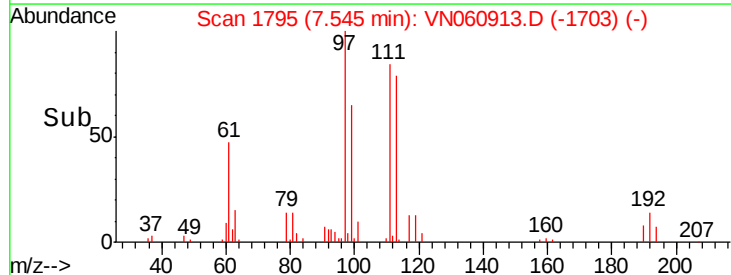
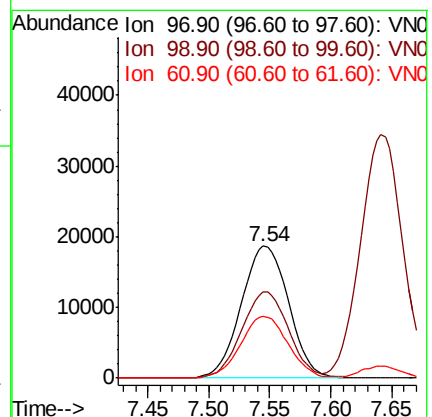
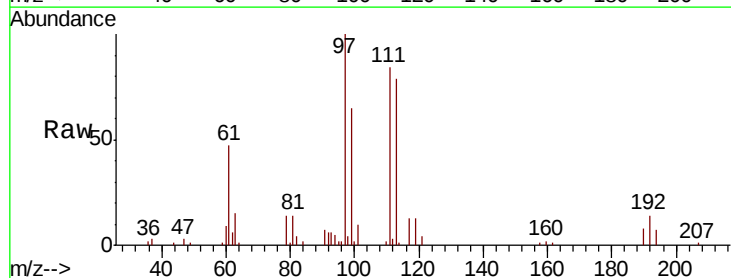
Tgt Ion: 97 Resp: 50232

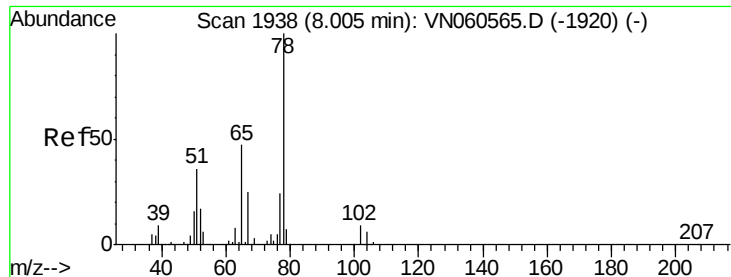
Ion Ratio Lower Upper

97 100

99 64.5 50.6 75.8

61 46.9 36.2 54.4

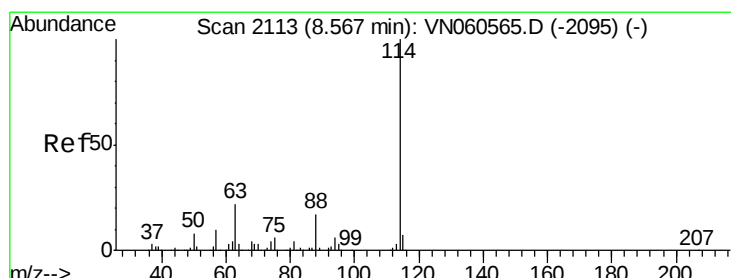
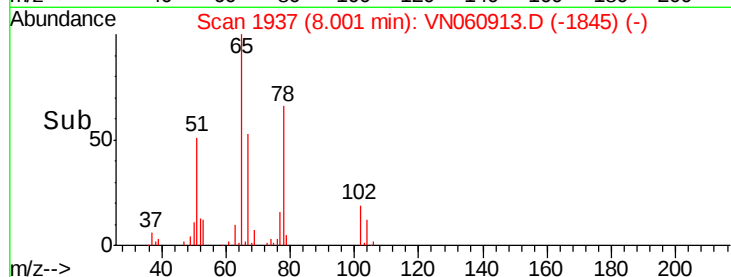
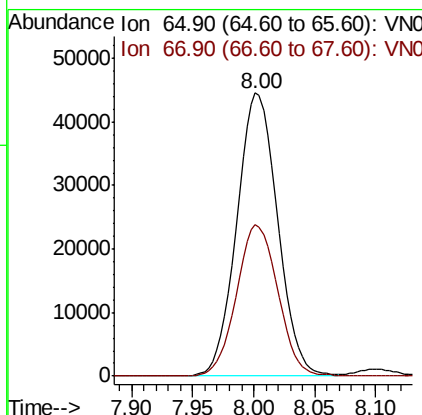
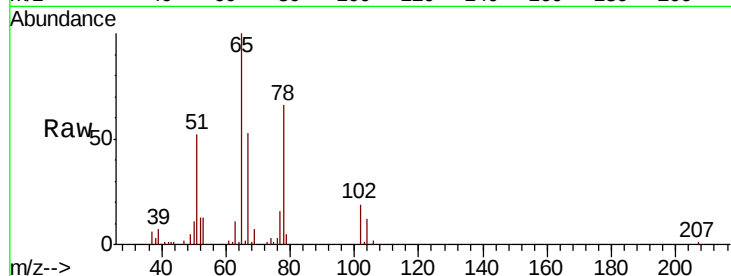




#33
 1,2-Dichloroethane-d4
 Concen: 52.603 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060913.D
 Acq: 13 Apr 2020 21:20

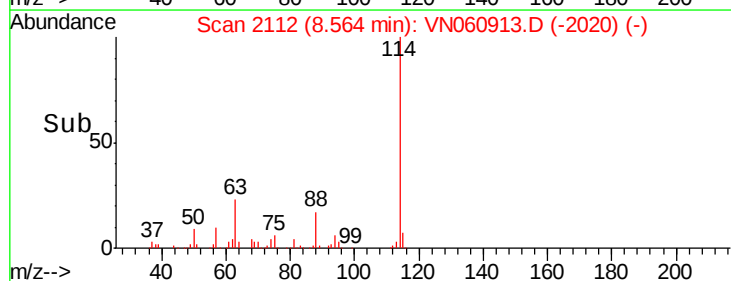
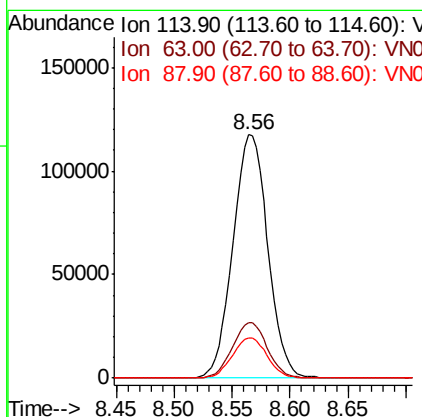
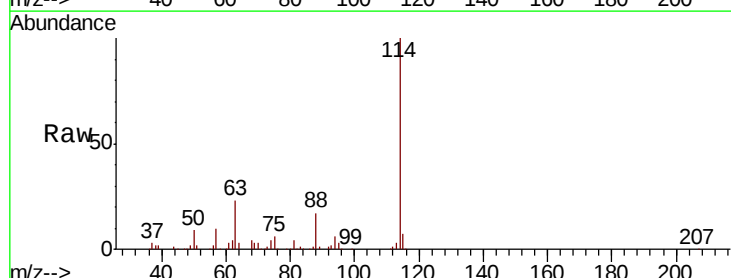
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0413WBSD01

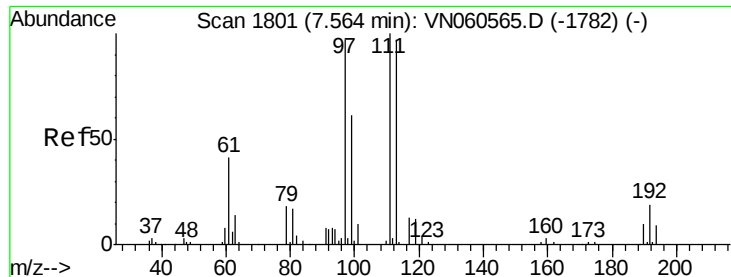
Tot Ion: 65 Resp: 103259
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060913.D
 Acq: 13 Apr 2020 21:20

Tgt Ion: 114 Resp: 244941
 Ion Ratio Lower Upper
 114 100
 63 22.8 0.0 43.8
 88 16.7 0.0 33.0

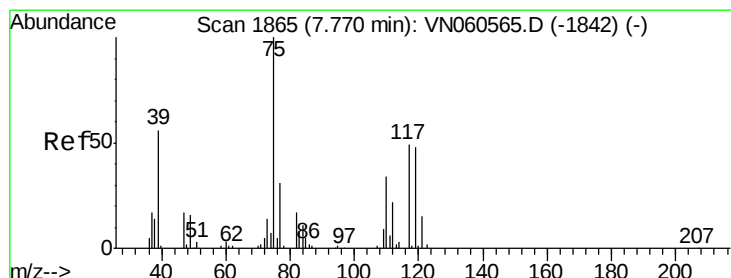
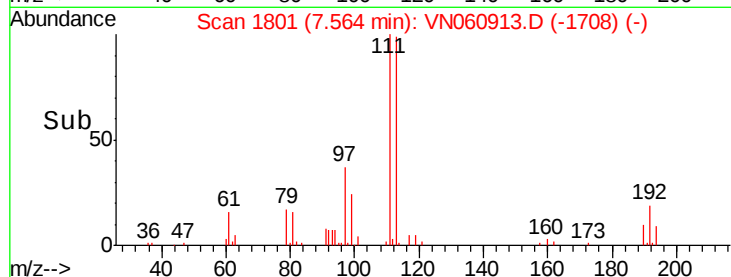
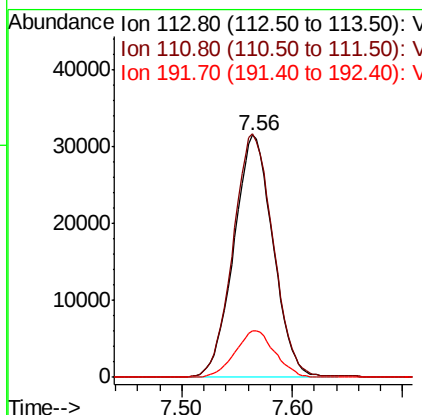
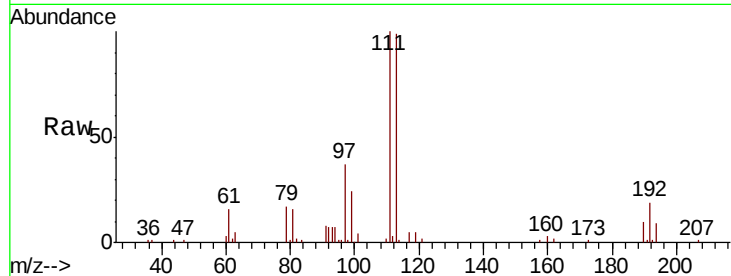




#35
 Dibromofluoromethane
 Concen: 52.258 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060913.D
 Acq: 13 Apr 2020 21:20

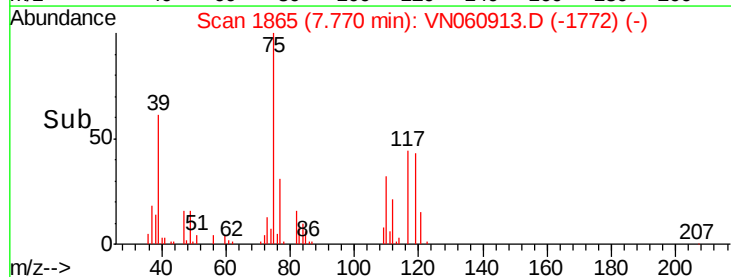
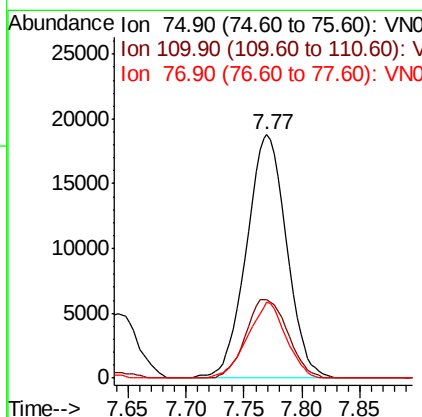
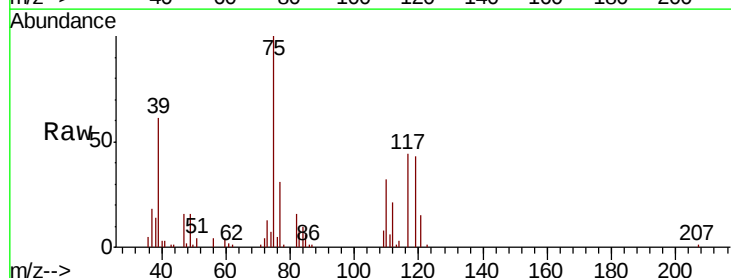
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0413WBSD01

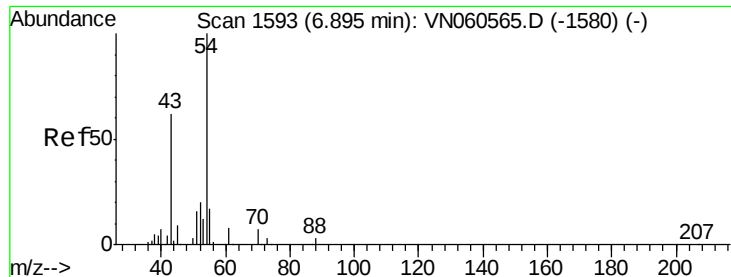
Tot Ion:113 Resp: 77398
 Ion Ratio Lower Upper
 113 100
 111 102.8 82.9 124.3
 192 19.4 15.8 23.8



#36
 1,1-Dichloropropene
 Concen: 19.116 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VN060913.D
 Acq: 13 Apr 2020 21:20

Tgt Ion: 75 Resp: 45339
 Ion Ratio Lower Upper
 75 100
 110 33.7 16.9 50.6
 77 29.9 24.6 36.8

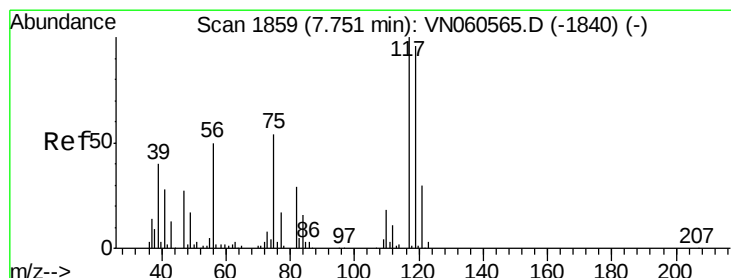
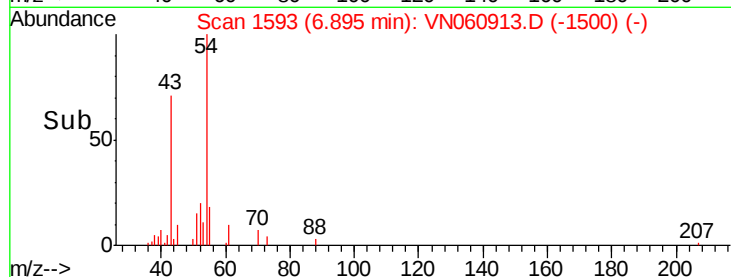
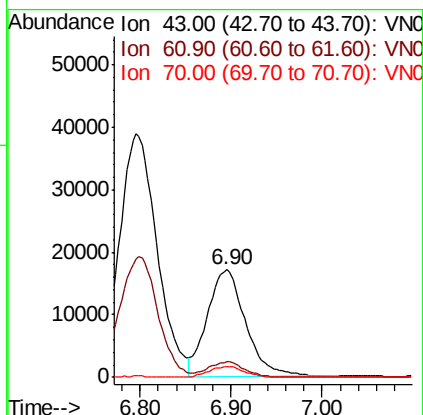
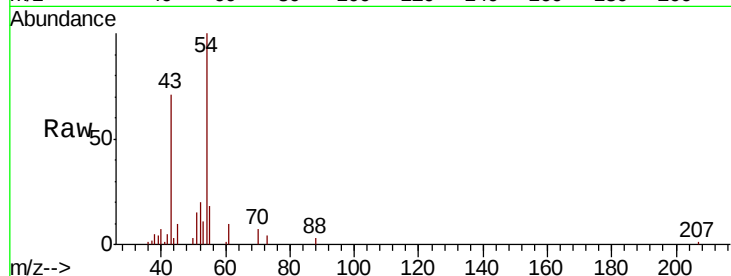




#37
Ethyl Acetate
Concen: 19.566 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. -0.00 min
Lab File: VN060913.D
Acq: 13 Apr 2020 21:20

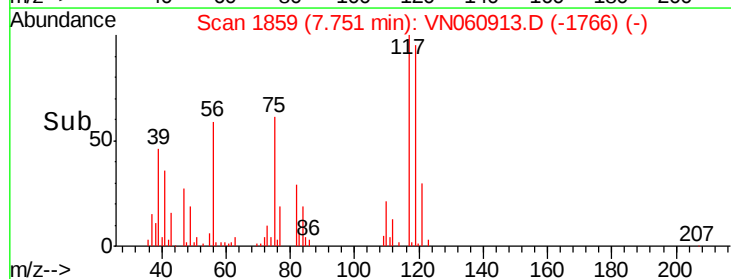
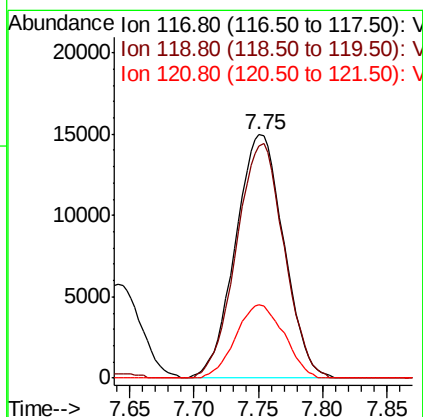
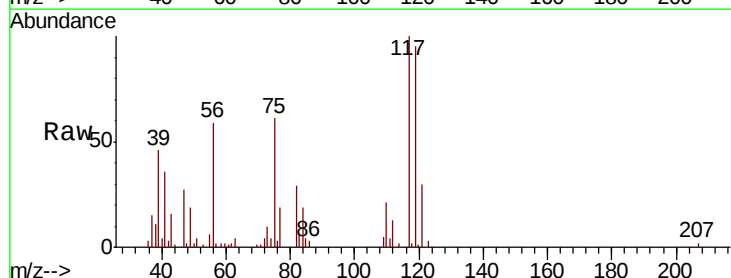
Instrument :
MSVOA_N
ClientSampleId :
VN0413WBSD01

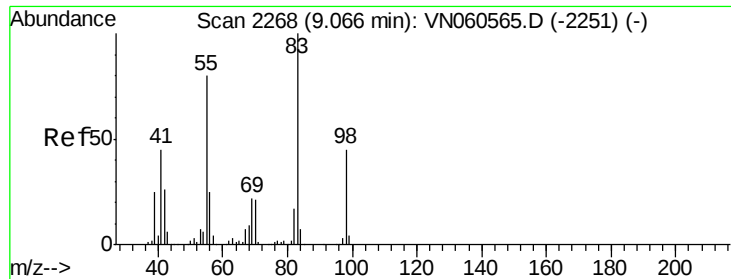
Tot Ion: 43 Resp: 50142
Ion Ratio Lower Upper
43 100
61 13.6 10.6 15.8
70 9.2 7.9 11.9



#38
Carbon Tetrachloride
Concen: 18.368 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN060913.D
Acq: 13 Apr 2020 21:20

Tgt Ion: 117 Resp: 39046
Ion Ratio Lower Upper
117 100
119 95.4 76.2 114.2
121 30.3 23.7 35.5

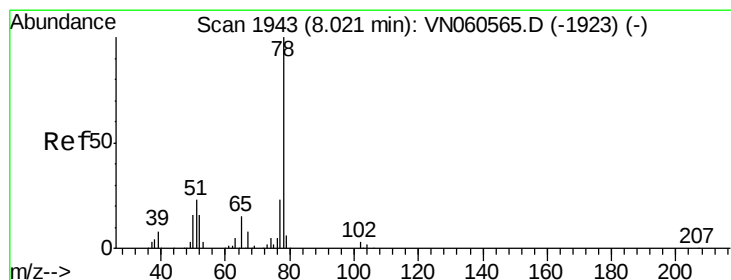
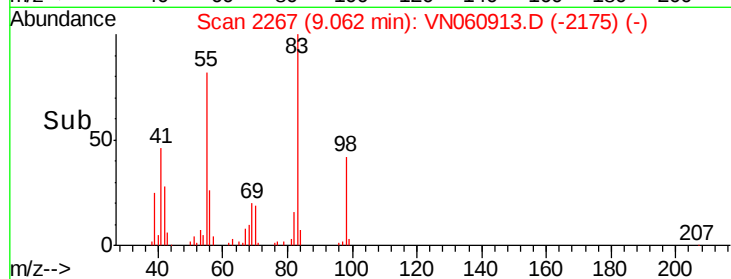
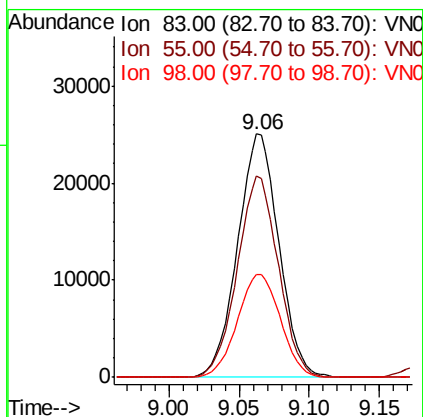
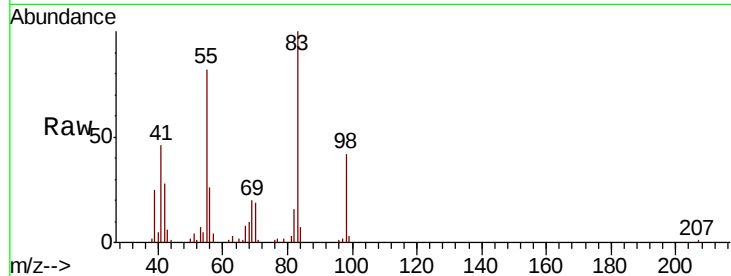




#39
Methvlcvclohexane
Concen: 18.208 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060913.D
Acq: 13 Apr 2020 21:20

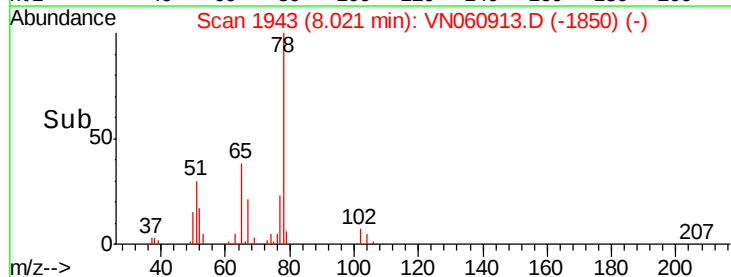
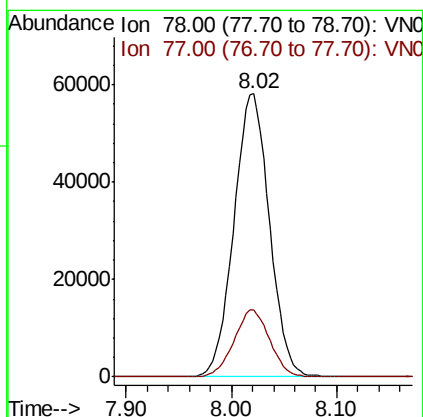
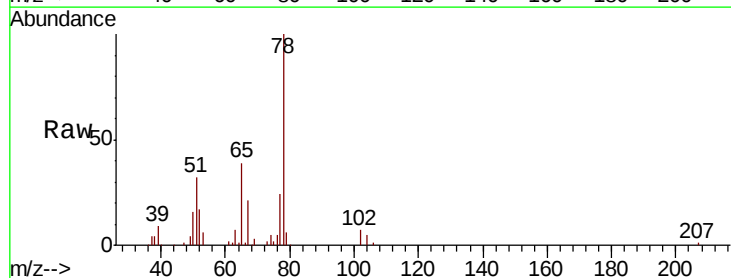
Instrument :
MSVOA_N
ClientSampleId :
VN0413WBSD01

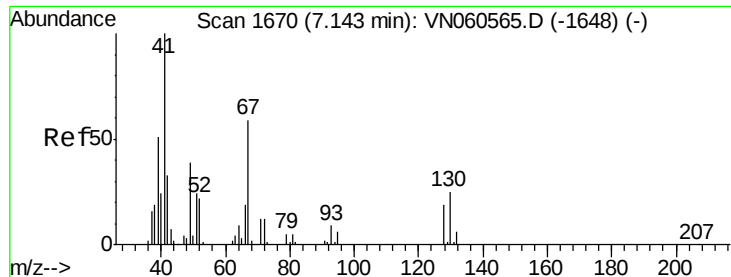
Tot Ion: 83 Resp: 51322
Ion Ratio Lower Upper
83 100
55 82.5 63.6 95.4
98 42.3 36.0 54.0



#40
Benzene
Concen: 18.983 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN060913.D
Acq: 13 Apr 2020 21:20

Tgt Ion: 78 Resp: 135919
Ion Ratio Lower Upper
78 100
77 23.6 18.6 28.0

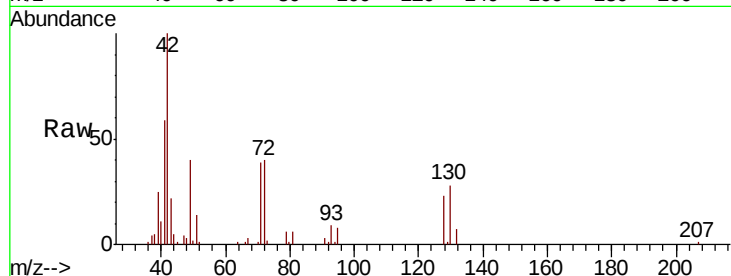




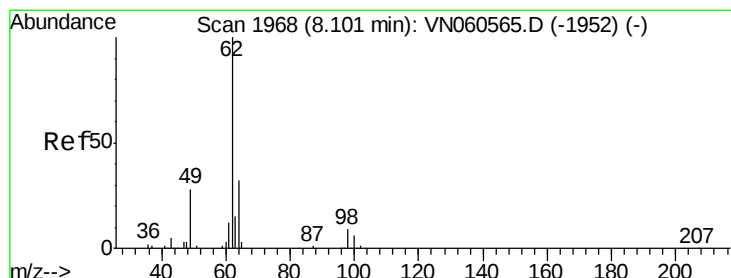
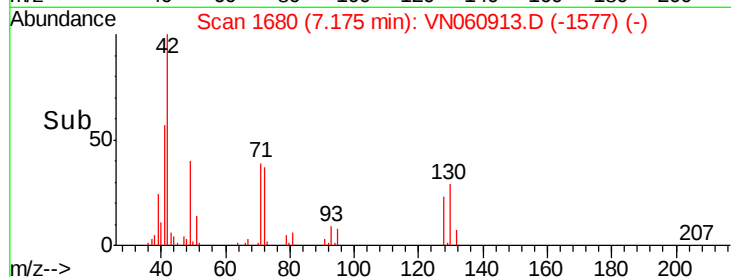
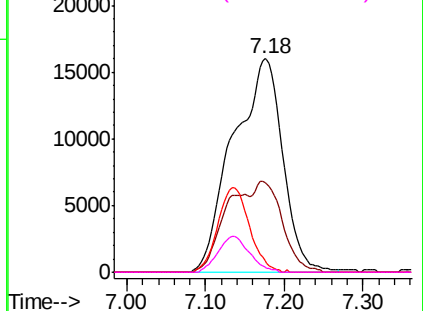
#41
Methacrylonitrile
Concen: 64.686 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.03 min
Lab File: VN060913.D
Acq: 13 Apr 2020 21:20

Instrument :
MSVOA_N
ClientSampleId :
VN0413WBSD01

Tot Ion:	41	Resp:	70748
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

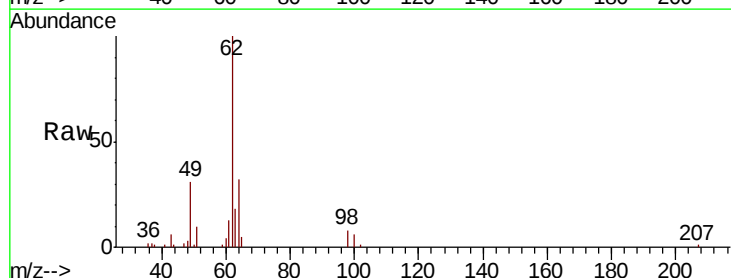


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

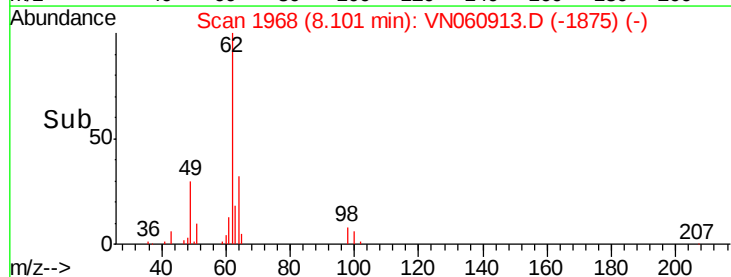
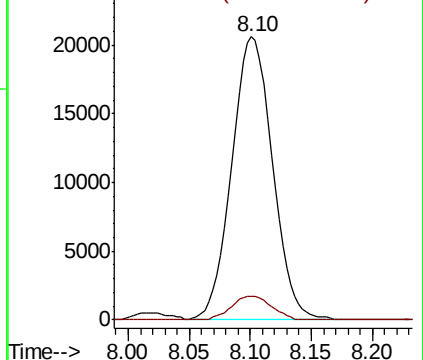


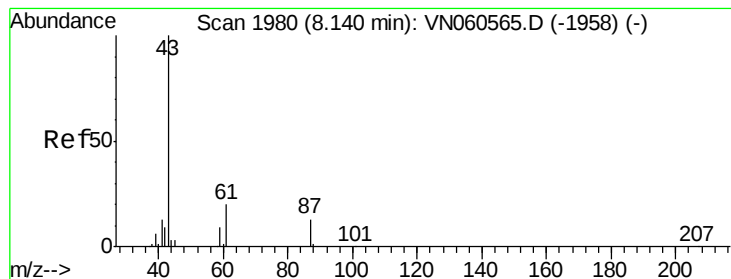
#42
1,2-Dichloroethane
Concen: 19.535 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN060913.D
Acq: 13 Apr 2020 21:20

Tgt Ion:	62	Resp:	47800
Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	17.8



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 19.638 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. -0.00 min

Lab File: VN060913.D

Acq: 13 Apr 2020 21:20

Instrument :

MSVOA_N

ClientSampleId :

VN0413WBSD01

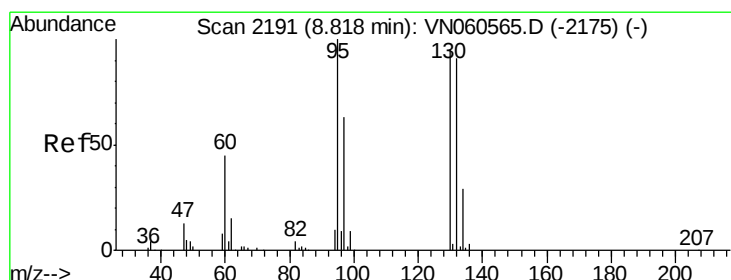
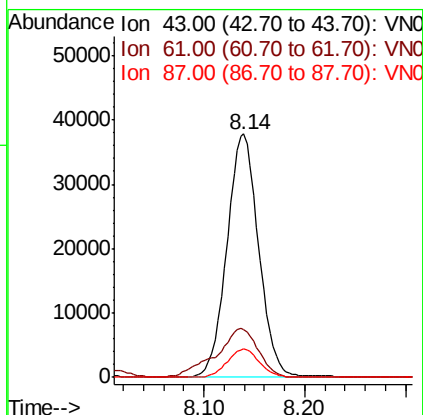
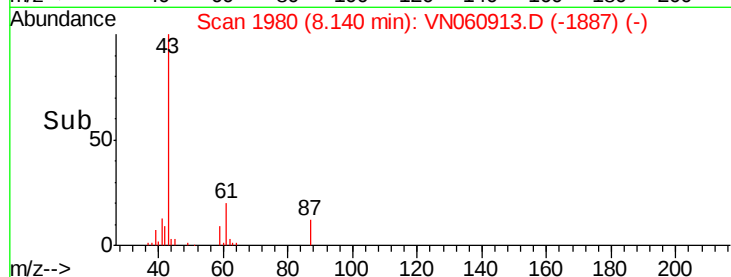
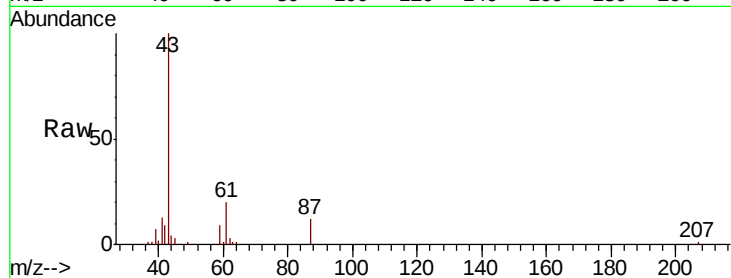
Tot Ion: 43 Resp: 83002

Ion Ratio Lower Upper

43 100

61 26.4 20.7 31.1

87 11.7 9.8 14.8



#44

Trichloroethene

Concen: 18.849 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. -0.00 min

Lab File: VN060913.D

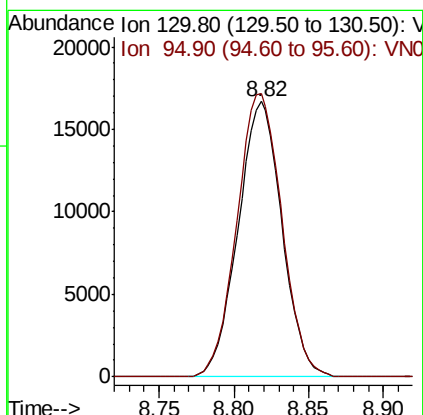
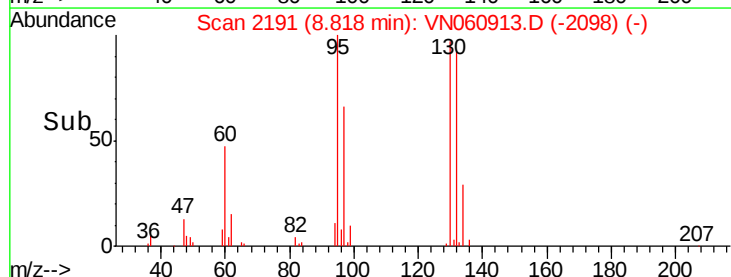
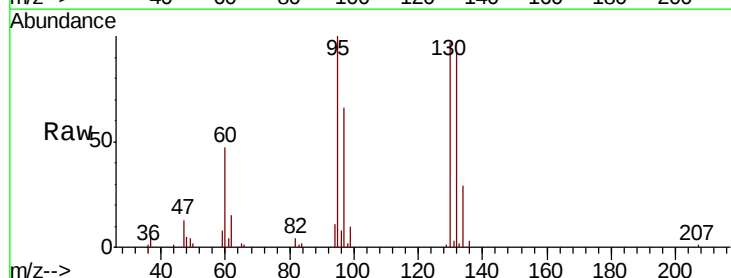
Acq: 13 Apr 2020 21:20

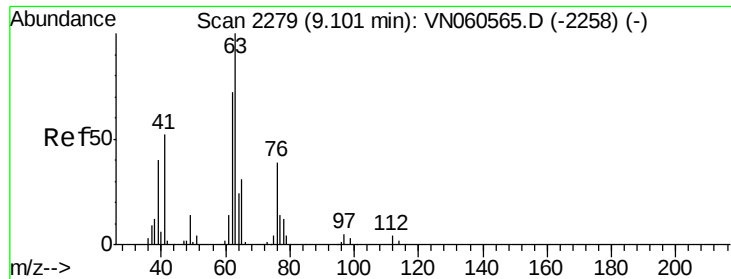
Tgt Ion: 130 Resp: 34020

Ion Ratio Lower Upper

130 100

95 102.8 0.0 211.2





#45

1,2-Dichloropropane

Concen: 20.156 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. -0.00 min

Lab File: VN060913.D

Acq: 13 Apr 2020 21:20

Instrument :

MSVOA_N

ClientSampleId :

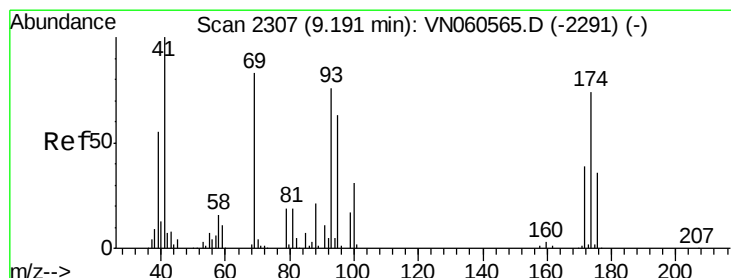
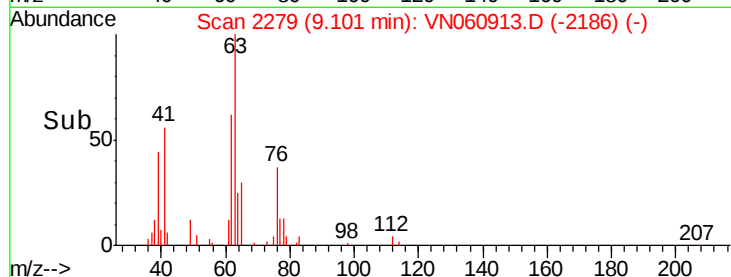
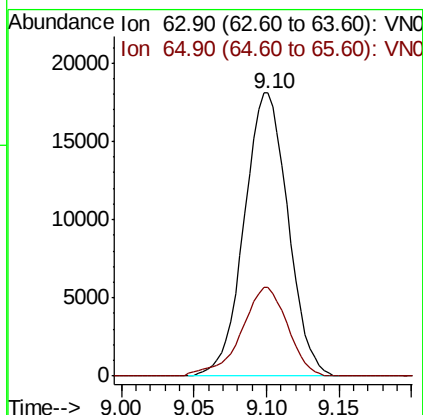
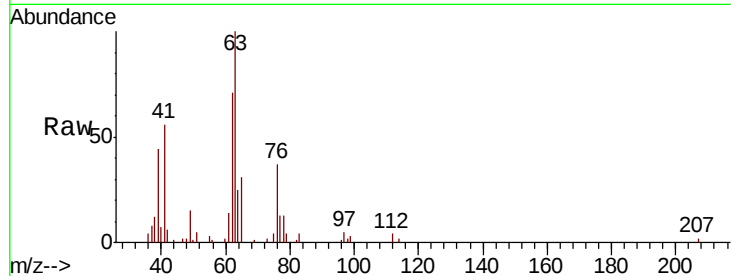
VN0413WBSD01

Tot Ion: 63 Resp: 38079

Ion Ratio Lower Upper

63 100

65 31.3 25.4 38.0



#46

Dibromomethane

Concen: 19.678 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. -0.00 min

Lab File: VN060913.D

Acq: 13 Apr 2020 21:20

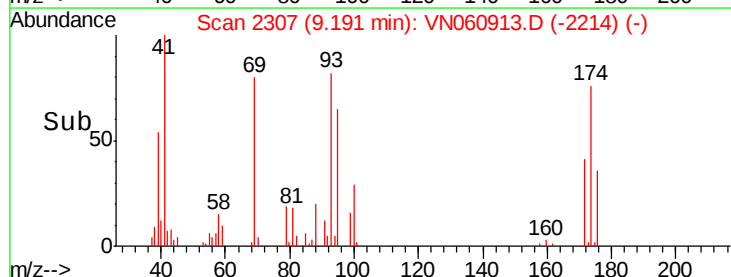
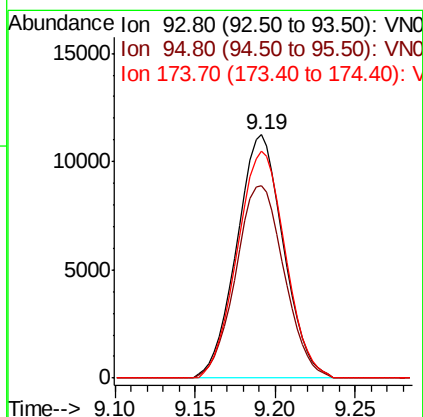
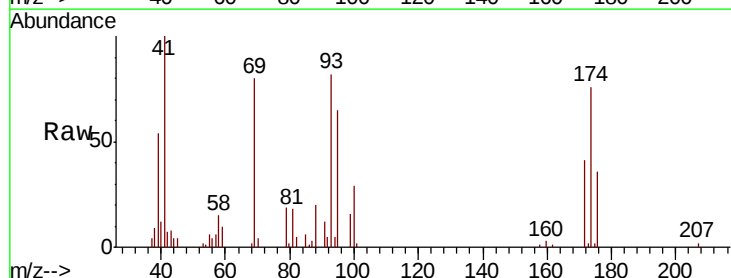
Tgt Ion: 93 Resp: 22475

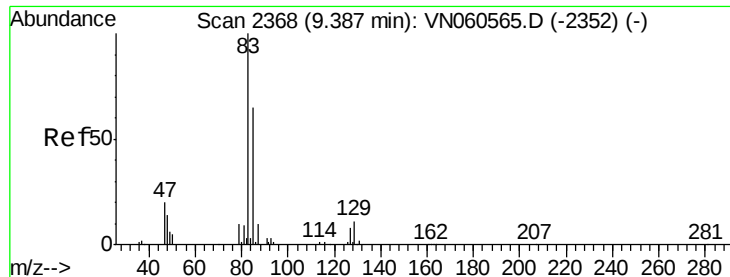
Ion Ratio Lower Upper

93 100

95 81.7 66.2 99.4

174 95.6 77.9 116.9





#47

Bromodichloromethane

Concen: 19.454 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN060913.D

Acq: 13 Apr 2020 21:20

Instrument :

MSVOA_N

ClientSampleId :

VN0413WBSD01

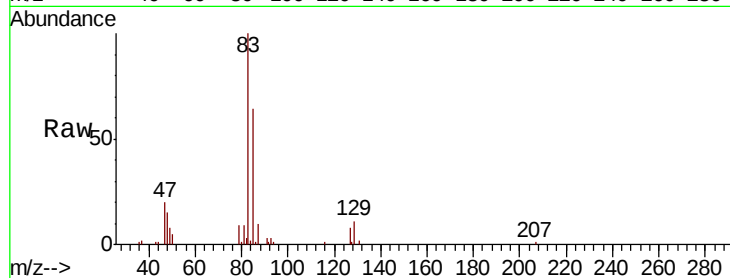
Tot Ion: 83 Resp: 46173

Ion Ratio Lower Upper

83 100

85 63.5 51.8 77.6

127 7.9 6.5 9.7

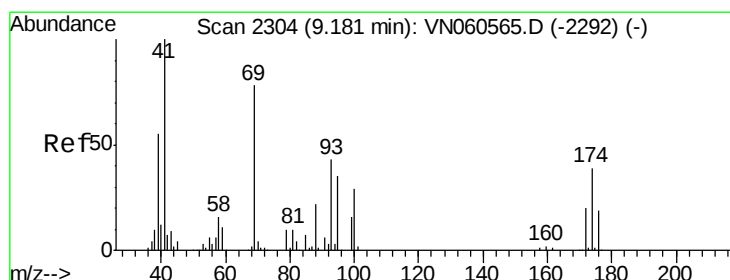
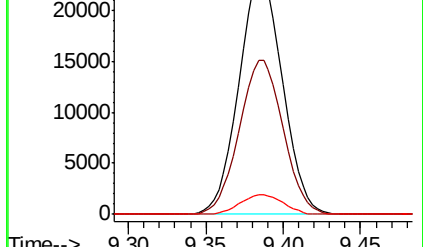
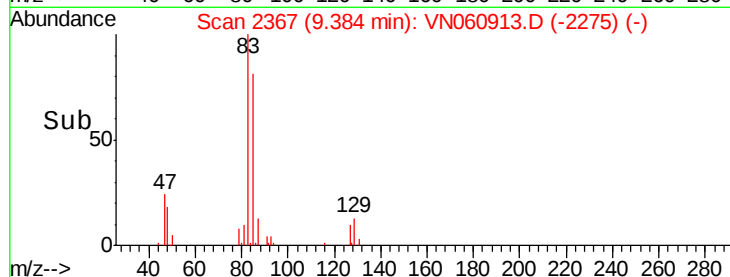


Abundance Ion 82.90 (82.60 to 83.60): VN060913.D (-2275) (-)

Ion 84.90 (84.60 to 85.60): VN060913.D (-2275) (-)

Ion 126.80 (126.50 to 127.50): VN060913.D (-2275) (-)

Time-->



#48

Methyl methacrylate

Concen: 19.088 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. -0.00 min

Lab File: VN060913.D

Acq: 13 Apr 2020 21:20

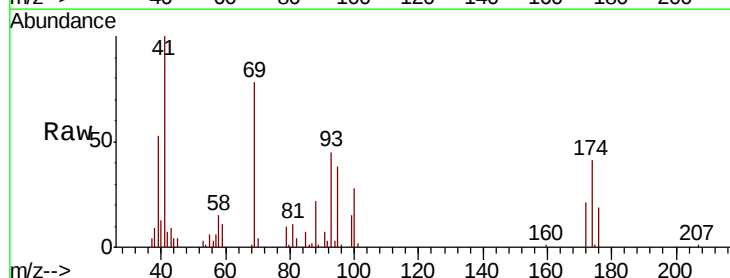
Tgt Ion: 41 Resp: 35919

Ion Ratio Lower Upper

41 100

69 80.5 65.4 98.0

39 56.6 44.0 66.0

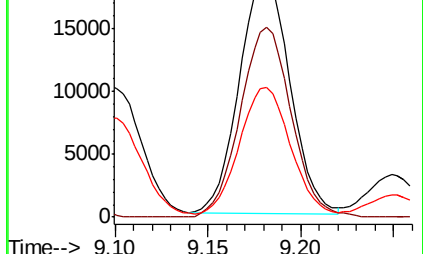
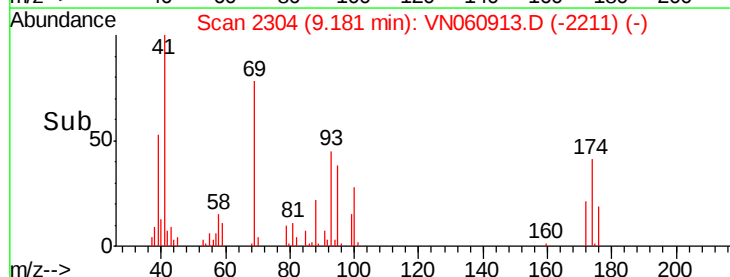


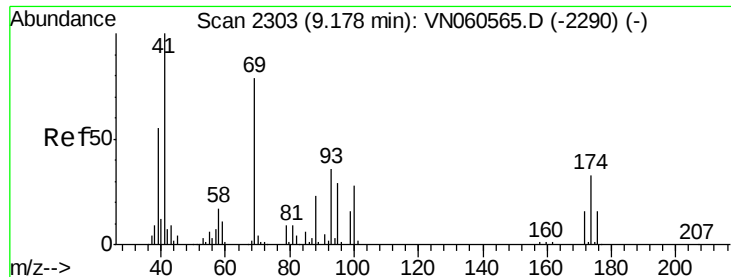
Abundance Ion 41.00 (40.70 to 41.70): VN060913.D (-2211) (-)

Ion 69.00 (68.70 to 69.70): VN060913.D (-2211) (-)

Ion 39.00 (38.70 to 39.70): VN060913.D (-2211) (-)

Time-->

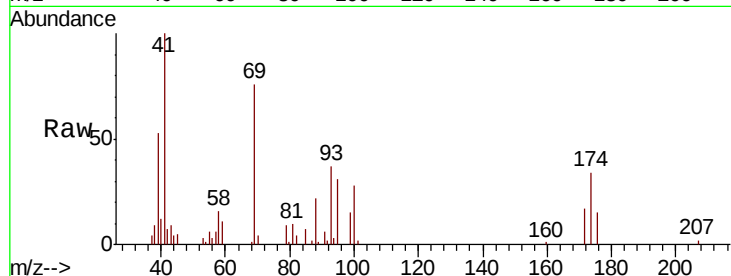




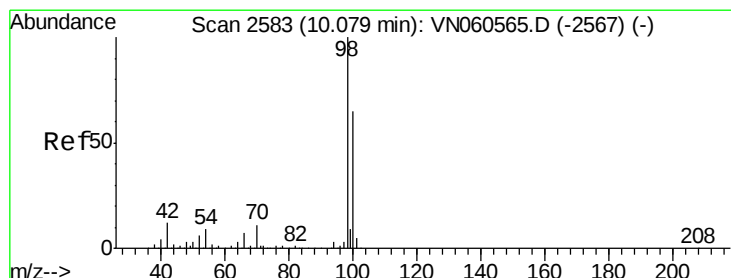
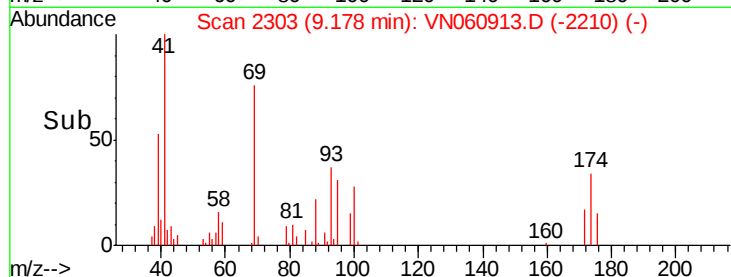
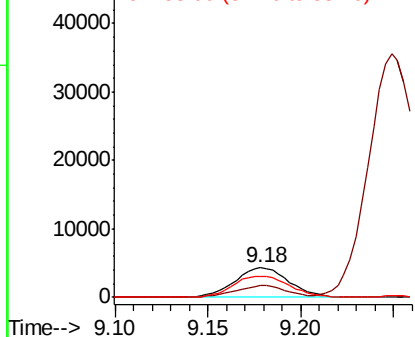
#49
 1,4-Dioxane
 Concen: 387.224 ug/l
 RT: 9.18 min Scan# 2303
 Delta R.T. -0.00 min
 Lab File: VN060913.D
 Acq: 13 Apr 2020 21:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0413WBSD01

Tot Ion: 88 Resp: 8661
 Ion Ratio Lower Upper
 88 100
 43 38.2 30.8 46.2
 58 75.0 59.8 89.8

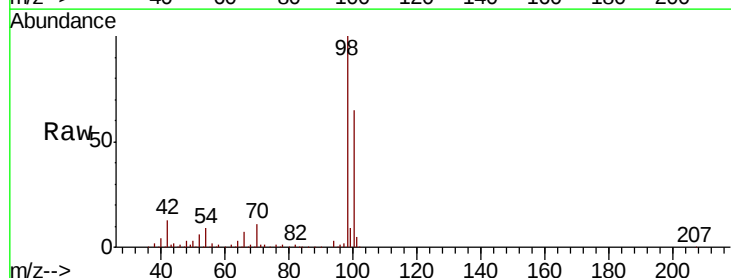


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

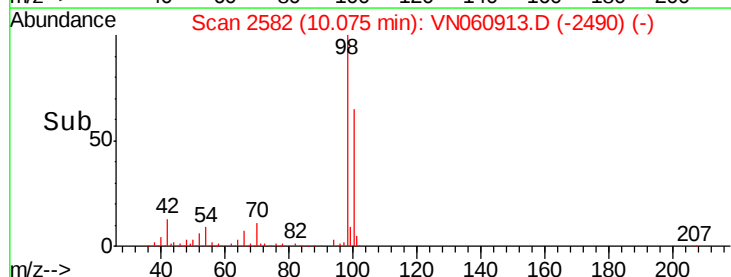
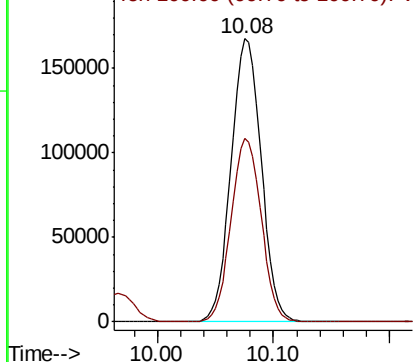


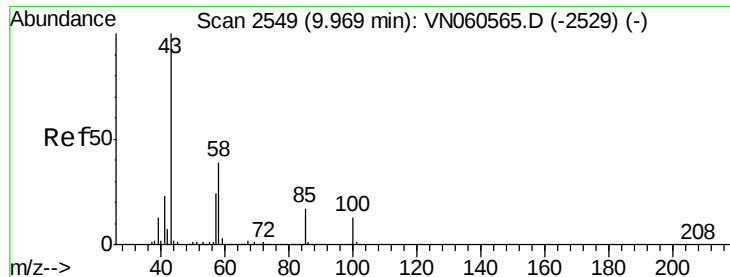
#50
 Toluene-d8
 Concen: 50.023 ug/l
 RT: 10.08 min Scan# 2582
 Delta R.T. -0.00 min
 Lab File: VN060913.D
 Acq: 13 Apr 2020 21:20

Tgt Ion: 98 Resp: 302618
 Ion Ratio Lower Upper
 98 100
 100 64.9 51.8 77.8



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: 100.021 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060913.D

Acq: 13 Apr 2020 21:20

Instrument :

MSVOA_N

ClientSampled :

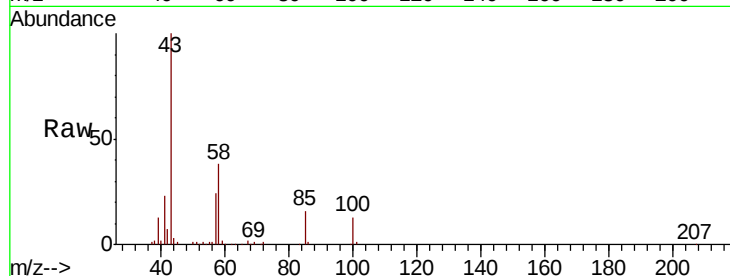
VN0413WBSD01

Tot Ion: 43 Resp: 240557

Ion Ratio Lower Upper

43 100

58 37.8 30.8 46.2



Abundance Ion 43.00 (42.70 to 43.70): VN060913.D (-2456) (-)

Ion 58.00 (57.70 to 58.70): VN060913.D (-2456) (-)

9.97

150000

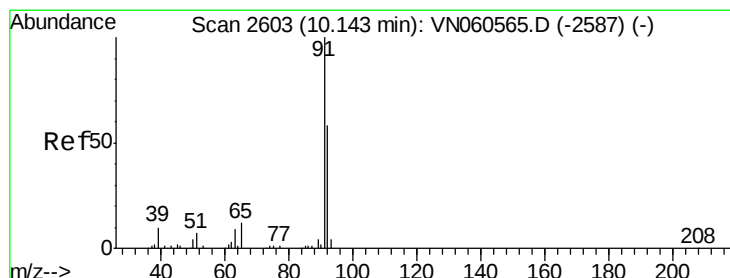
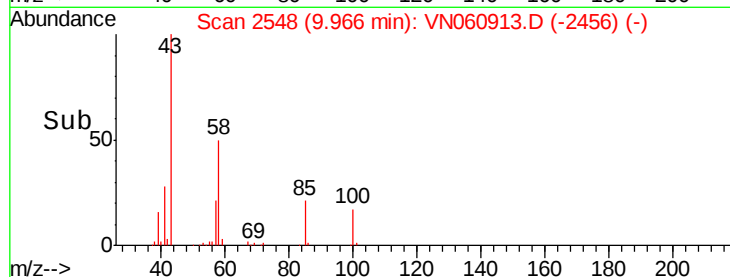
100000

50000

0

Time-->

9.90 9.95 10.00



#52

Toluene

Concen: 18.952 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN060913.D

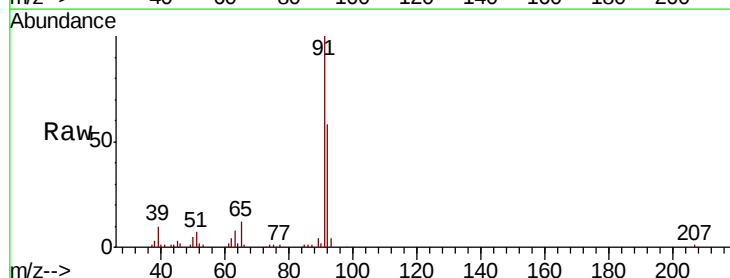
Acq: 13 Apr 2020 21:20

Tgt Ion: 92 Resp: 81950

Ion Ratio Lower Upper

92 100

91 172.9 137.6 206.4



Abundance Ion 92.00 (91.70 to 92.70): VN060913.D (-2510) (-)

Ion 91.00 (90.70 to 91.70): VN060913.D (-2510) (-)

10.14

80000

60000

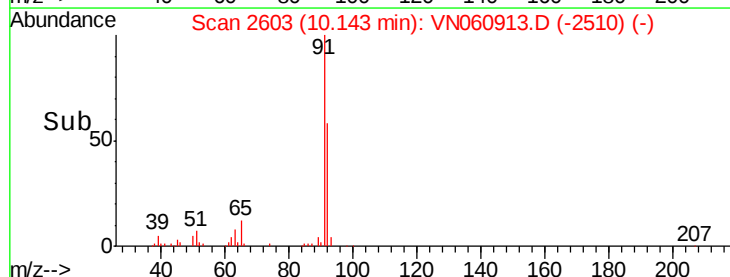
40000

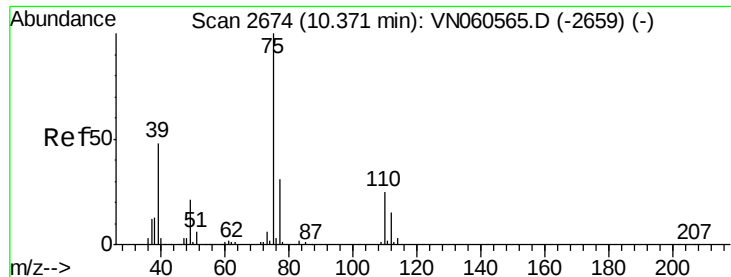
20000

0

Time-->

10.05 10.10 10.15 10.20





#53

t-1,3-Dichloropropene

Concen: 19.701 ug/l

RT: 10.37 min Scan# 2673

Delta R.T. -0.00 min

Lab File: VN060913.D

Acq: 13 Apr 2020 21:20

Instrument :

MSVOA_N

ClientSampleId :

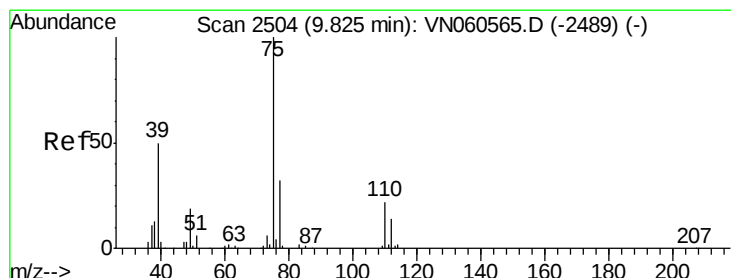
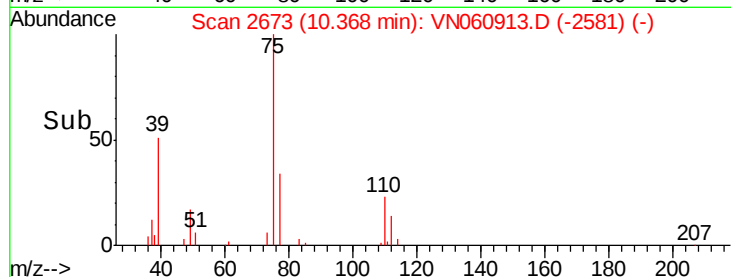
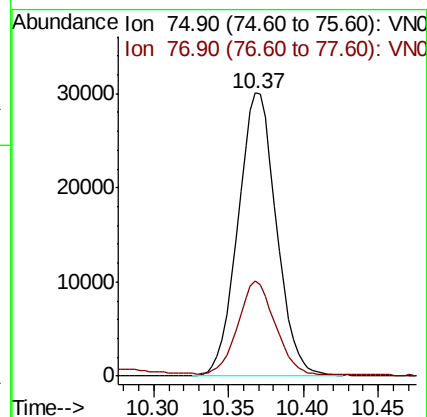
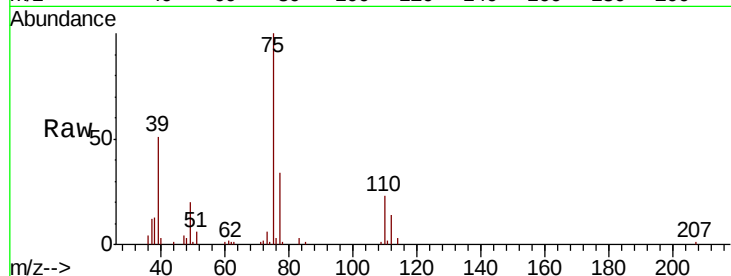
VN0413WBSD01

Tot Ion: 75 Resp: 53711

Ion Ratio Lower Upper

75 100

77 32.8 25.1 37.7



#54

cis-1,3-Dichloropropene

Concen: 19.354 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. -0.00 min

Lab File: VN060913.D

Acq: 13 Apr 2020 21:20

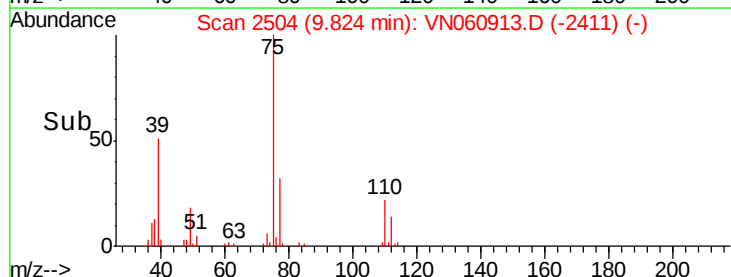
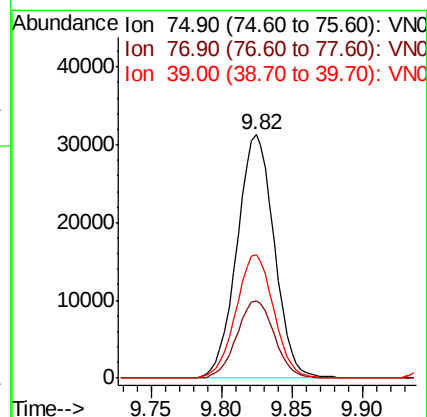
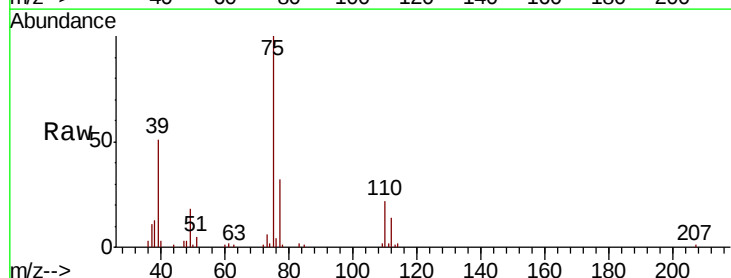
Tgt Ion: 75 Resp: 57886

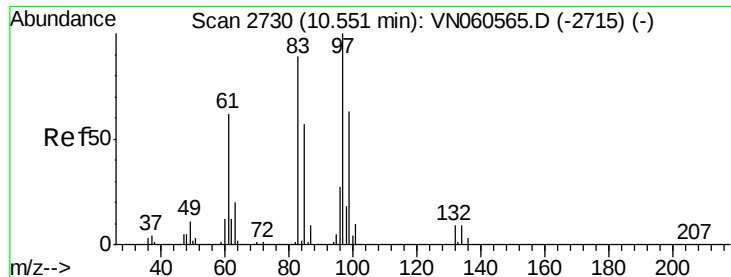
Ion Ratio Lower Upper

75 100

77 31.9 25.4 38.0

39 50.7 40.2 60.4





#55

1,1,2-Trichloroethane

Concen: 19.504 ug/l

RT: 10.55 min Scan# 2729

Delta R.T. -0.00 min

Lab File: VN060913.D

Acq: 13 Apr 2020 21:20

Instrument :

MSVOA_N

ClientSampleId :

VN0413WBSD01

Tot Ion: 97 Resp: 32445

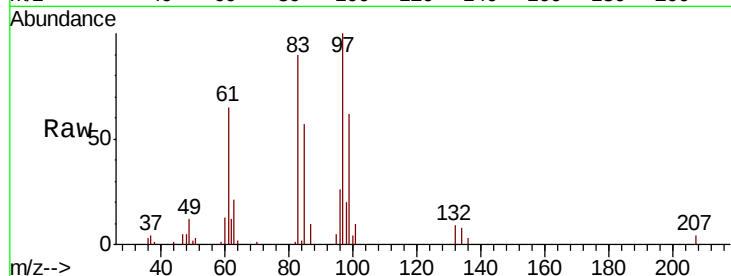
Ion Ratio Lower Upper

97 100

83 90.5 71.3 106.9

85 57.3 45.2 67.8

99 62.0 50.1 75.1

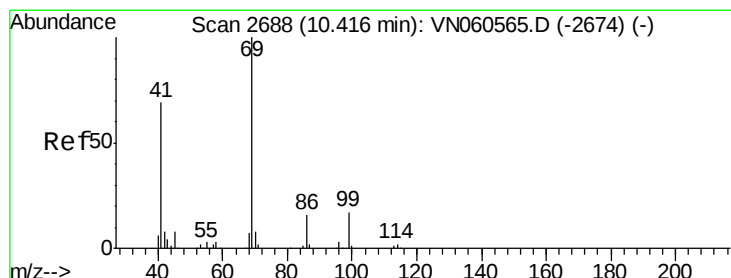
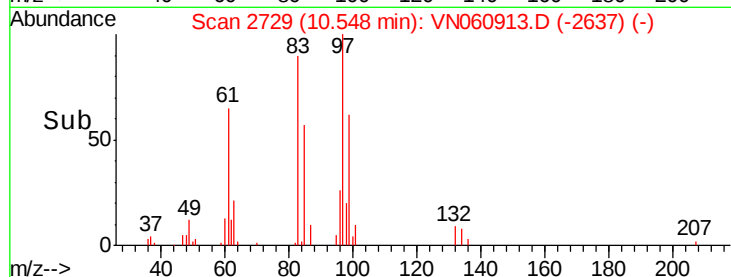
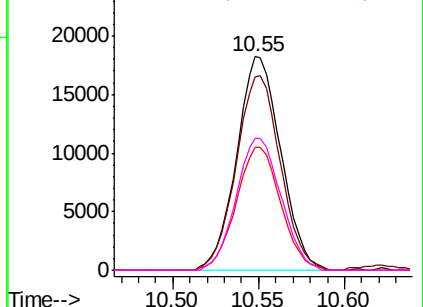


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 19.260 ug/l

RT: 10.42 min Scan# 2688

Delta R.T. -0.00 min

Lab File: VN060913.D

Acq: 13 Apr 2020 21:20

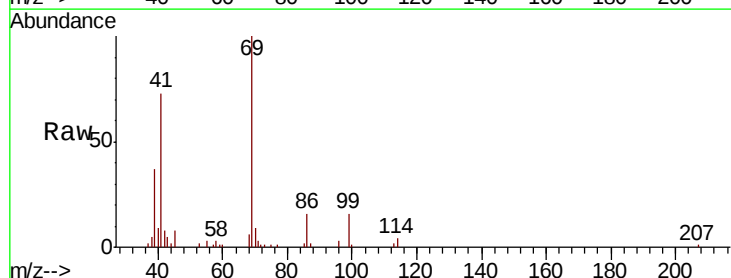
Tgt Ion: 69 Resp: 49957

Ion Ratio Lower Upper

69 100

41 71.2 55.4 83.2

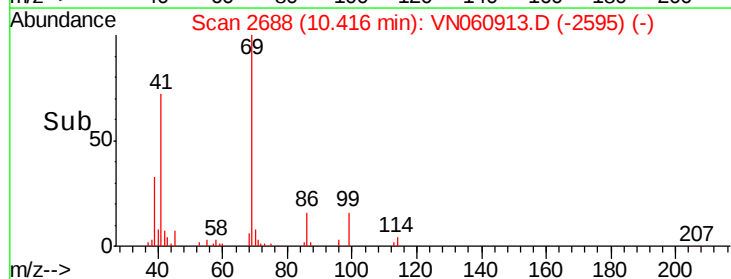
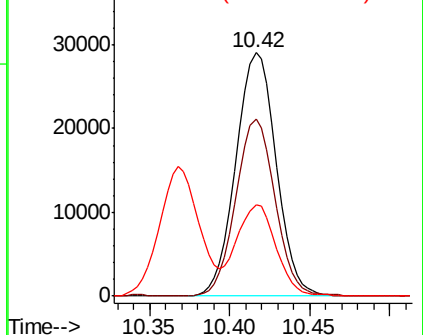
39 37.1 29.4 44.0

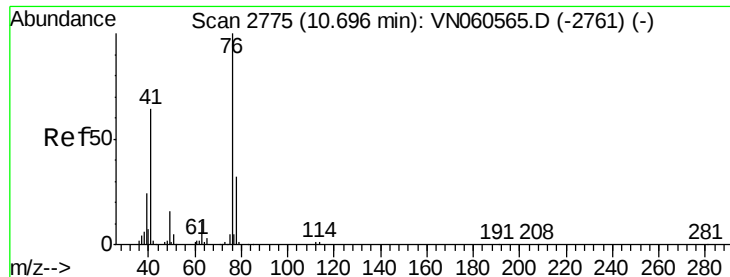


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 19.828 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. -0.00 min

Lab File: VN060913.D

Acq: 13 Apr 2020 21:20

Instrument :

MSVOA_N

ClientSampleId :

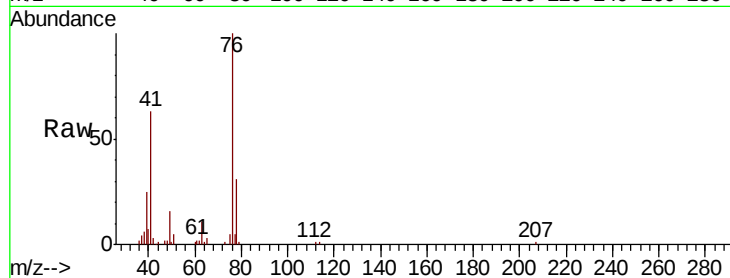
VN0413WBSD01

Tot Ion: 76 Resp: 57238

Ion Ratio Lower Upper

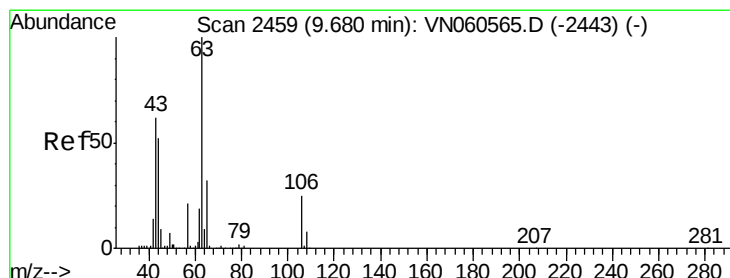
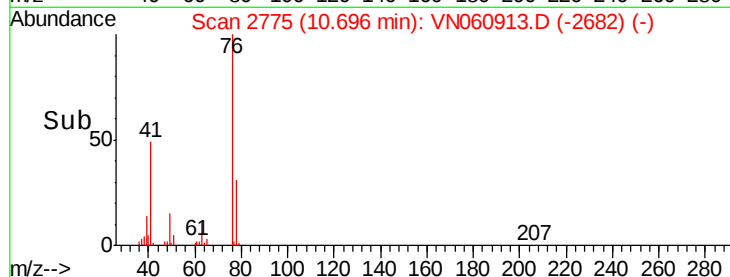
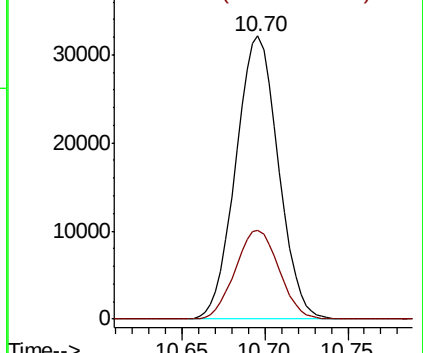
76 100

78 32.3 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 87.968 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. -0.00 min

Lab File: VN060913.D

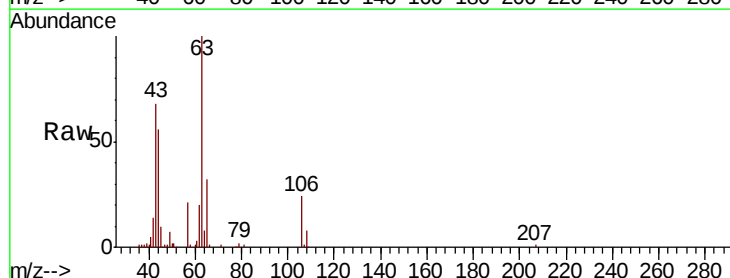
Acq: 13 Apr 2020 21:20

Tgt Ion: 63 Resp: 113405

Ion Ratio Lower Upper

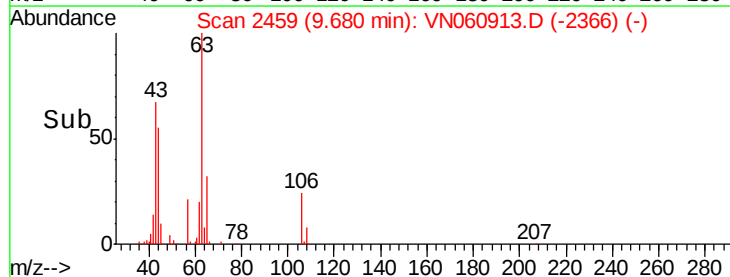
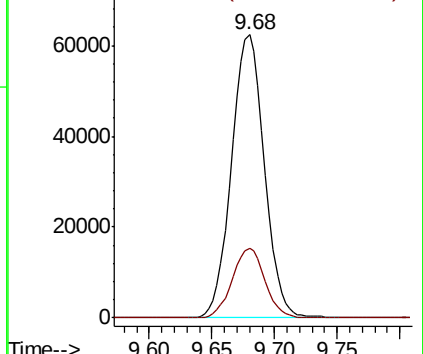
63 100

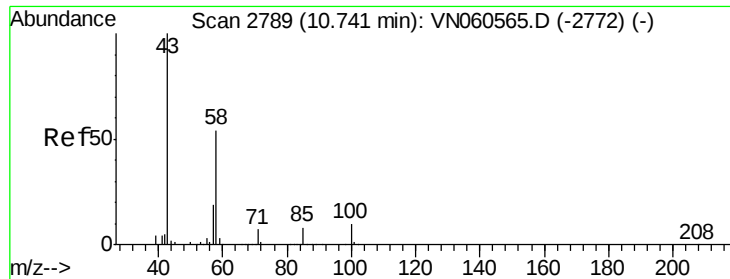
106 24.5 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

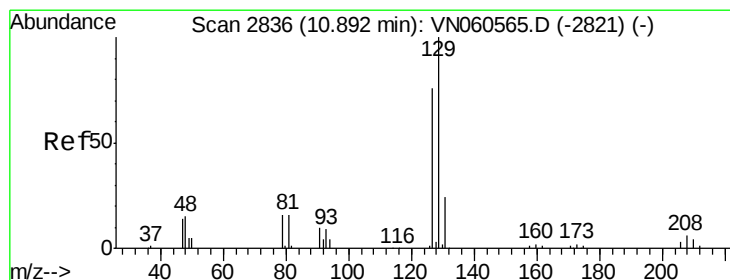
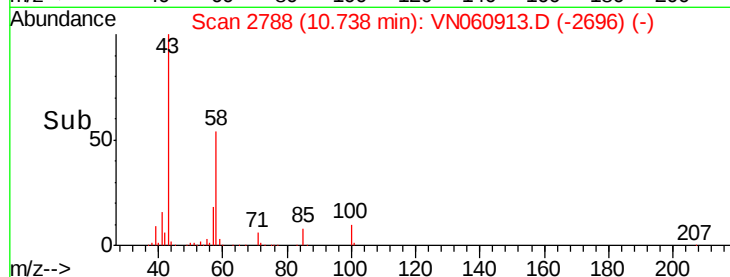
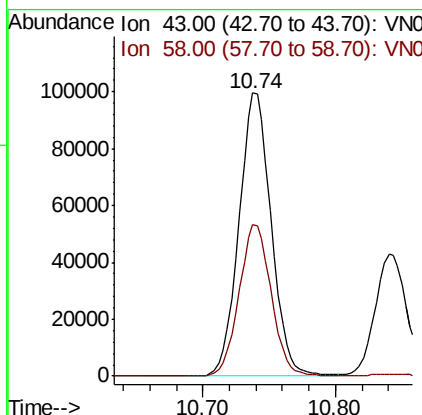
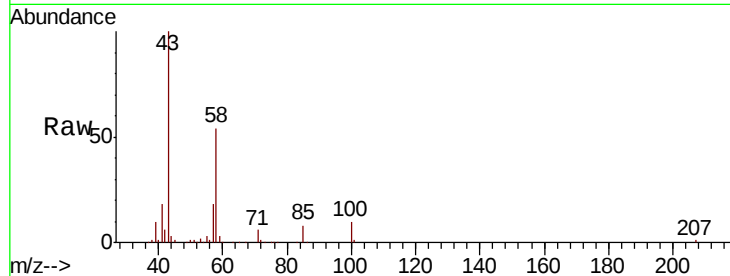




#59
2-Hexanone
Concen: 96.827 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. -0.00 min
Lab File: VN060913.D
Acq: 13 Apr 2020 21:20

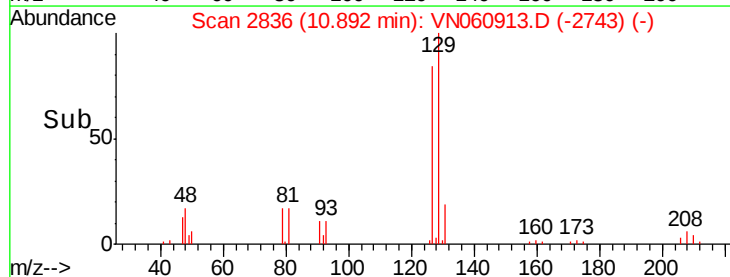
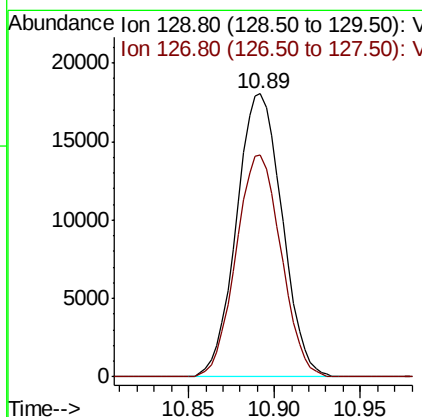
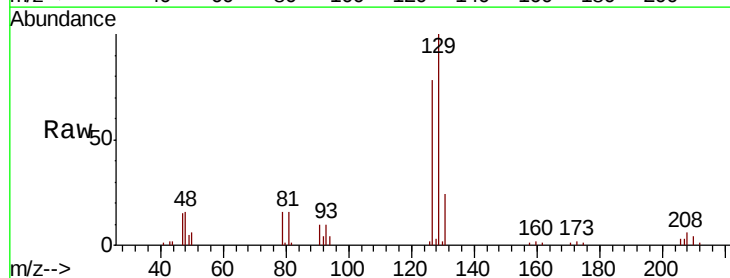
Instrument :
MSVOA_N
ClientSampled :
VN0413WBSD01

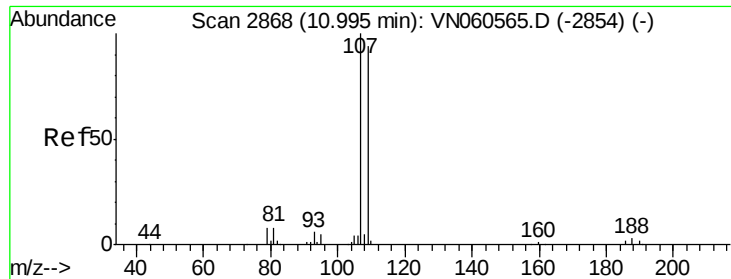
Tot Ion: 43 Resp: 167753
Ion Ratio Lower Upper
43 100
58 53.6 26.7 80.1



#60
Dibromochloromethane
Concen: 19.394 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN060913.D
Acq: 13 Apr 2020 21:20

Tgt Ion: 129 Resp: 33325
Ion Ratio Lower Upper
129 100
127 77.3 38.5 115.5





#61

1,2-Dibromoethane

Concen: 19.007 ug/l

RT: 10.99 min Scan# 2868

Delta R.T. -0.00 min

Lab File: VN060913.D

Acq: 13 Apr 2020 21:20

Instrument :

MSVOA_N

ClientSampleId :

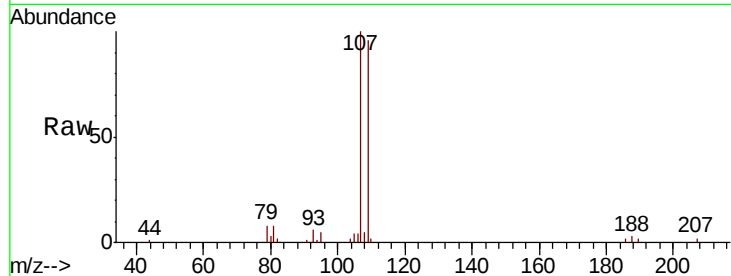
VN0413WBSD01

Tot Ion:107 Resp: 31794

Ion Ratio Lower Upper

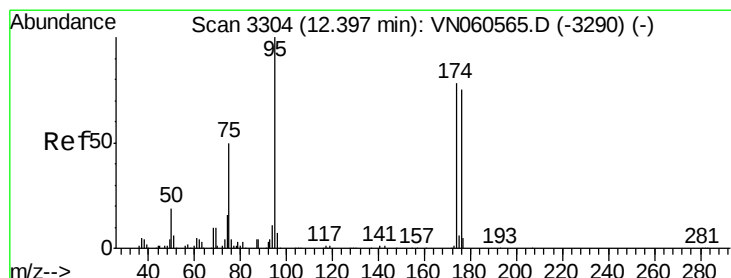
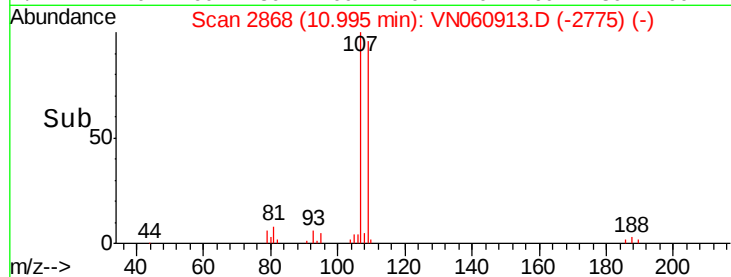
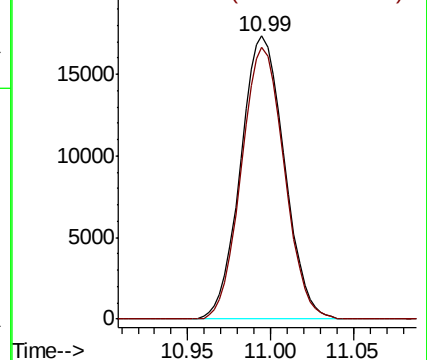
107 100

109 94.0 75.4 113.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.151 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060913.D

Acq: 13 Apr 2020 21:20

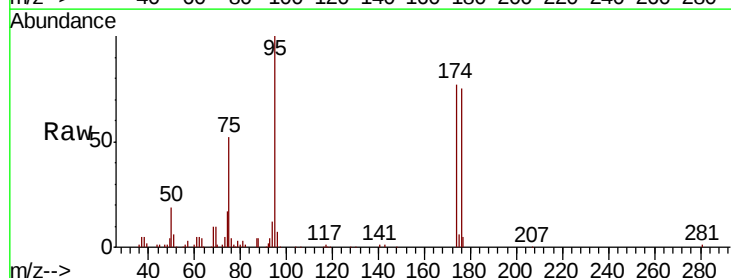
Tgt Ion: 95 Resp: 108974

Ion Ratio Lower Upper

95 100

174 76.7 0.0 157.6

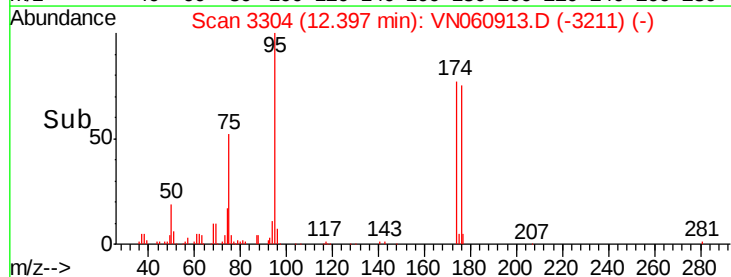
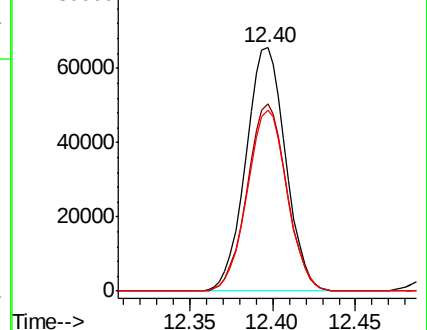
176 74.6 0.0 150.6

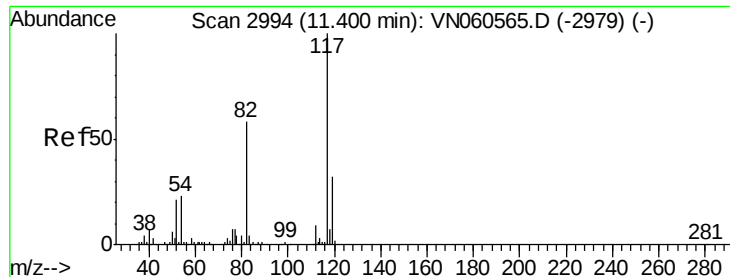


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

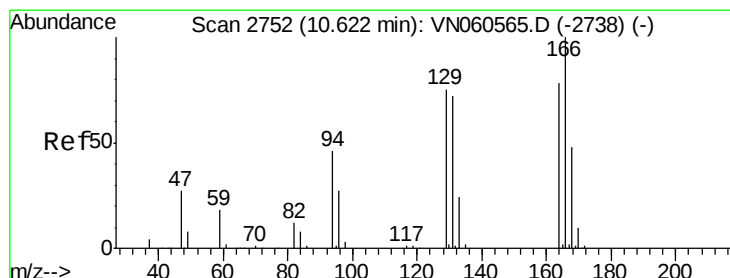
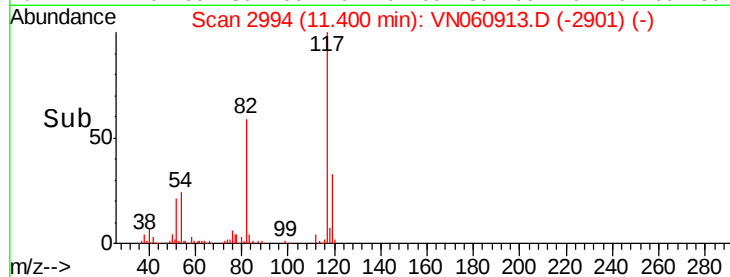
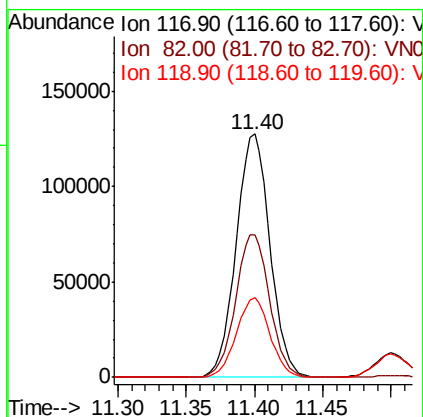
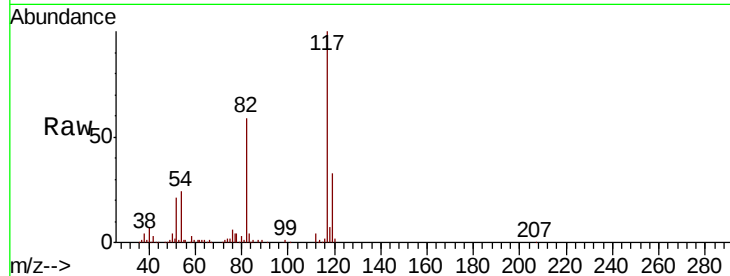




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060913.D
Acq: 13 Apr 2020 21:20

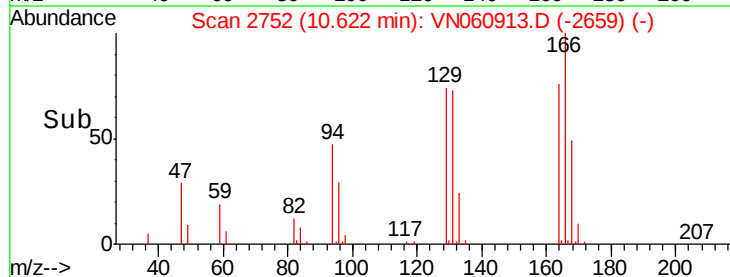
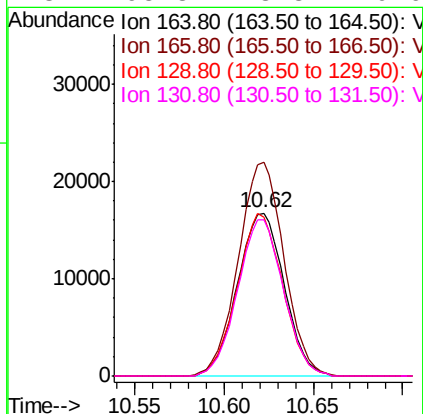
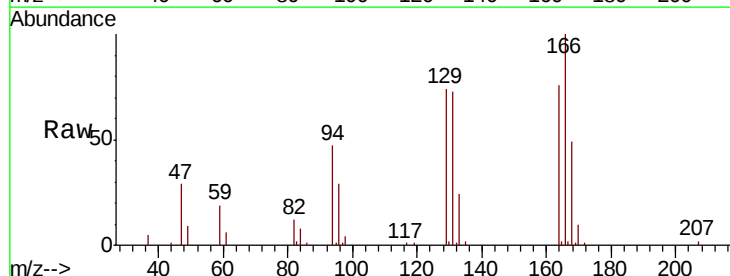
Instrument :
MSVOA_N
ClientSampleId :
VN0413WBSD01

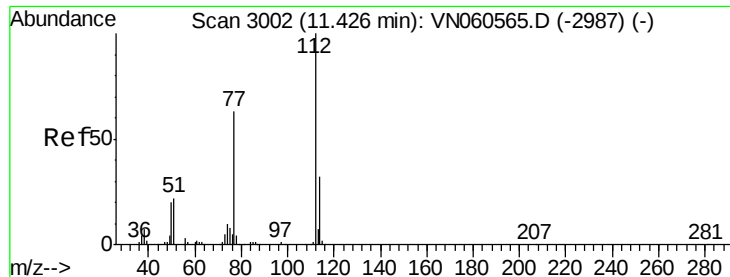
Tot Ion:117 Resp: 219005
Ion Ratio Lower Upper
117 100
82 58.7 46.7 70.1
119 32.6 25.5 38.3



#64
Tetrachloroethene
Concen: 17.820 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN060913.D
Acq: 13 Apr 2020 21:20

Tgt Ion:164 Resp: 30711
Ion Ratio Lower Upper
164 100
166 131.3 102.7 154.1
129 97.7 77.2 115.8
131 95.8 73.8 110.6





#65

Chlorobenzene

Concen: 19.360 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. -0.00 min

Lab File: VN060913.D

Acq: 13 Apr 2020 21:20

Instrument :

MSVOA_N

ClientSampleId :

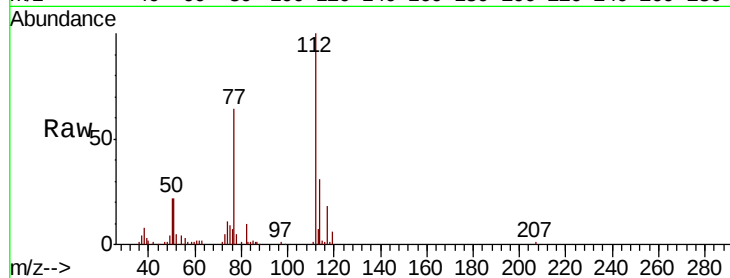
VN0413WBSD01

Tot Ion:112 Resp: 84054

Ion Ratio Lower Upper

112 100

114 31.1 25.8 38.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

50000

40000

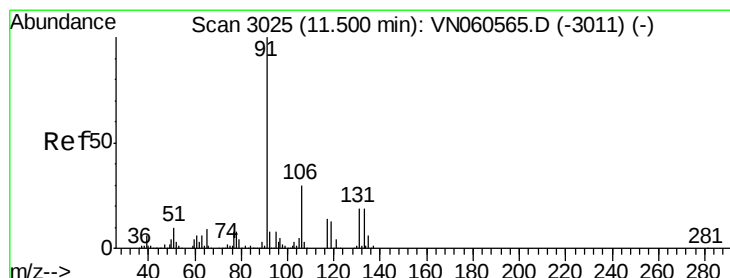
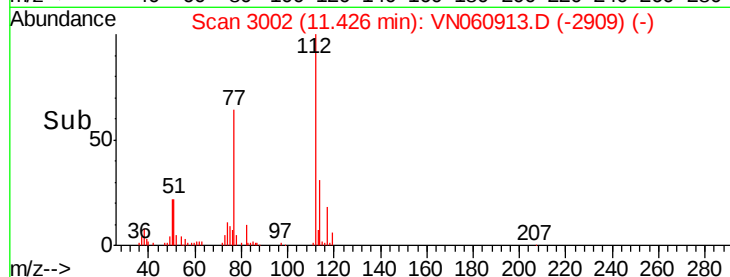
30000

20000

10000

0

Time--> 11.35 11.40 11.45 11.50



#66

1,1,1,2-Tetrachloroethane

Concen: 19.867 ug/l

RT: 11.50 min Scan# 3025

Delta R.T. -0.00 min

Lab File: VN060913.D

Acq: 13 Apr 2020 21:20

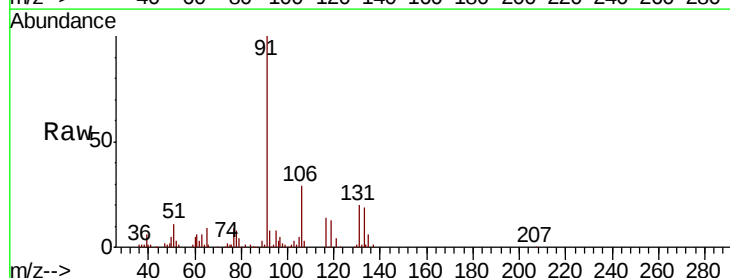
Tgt Ion:131 Resp: 31230

Ion Ratio Lower Upper

131 100

133 95.6 48.9 146.8

119 65.9 33.9 101.7



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.50

20000

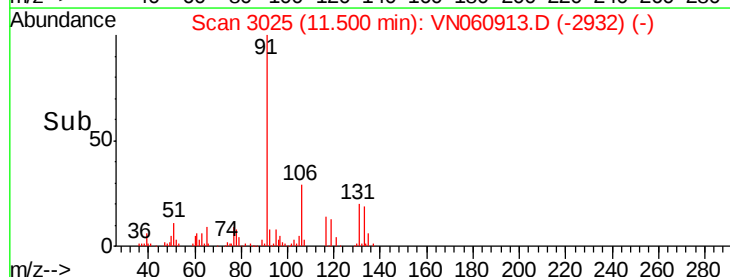
15000

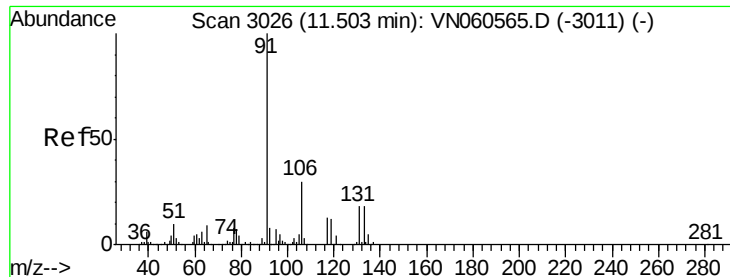
10000

5000

0

Time--> 11.45 11.50 11.55





#67

Ethyl Benzene

Concen: 19.553 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN060913.D

Acq: 13 Apr 2020 21:20

Instrument :

MSVOA_N

ClientSampleId :

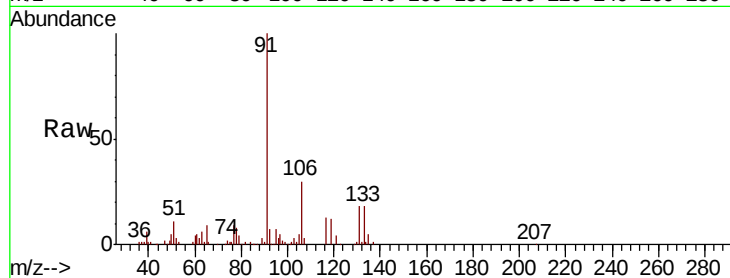
VN0413WBSD01

Tot Ion: 91 Resp: 157866

Ion Ratio Lower Upper

91 100

106 29.6 24.2 36.2



Abundance Ion 91.00 (90.70 to 91.70): VN060913.D (-2933) (-)

Ion 106.00 (105.70 to 106.70): VN060913.D (-2933) (-)

120000

100000

80000

60000

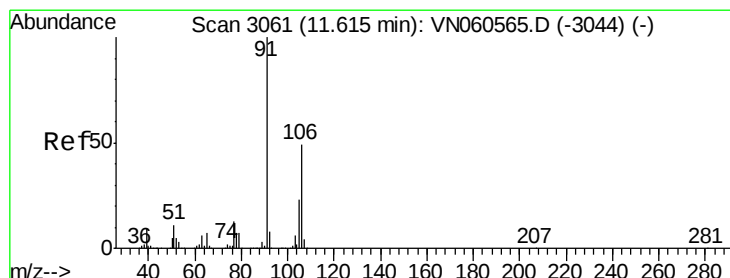
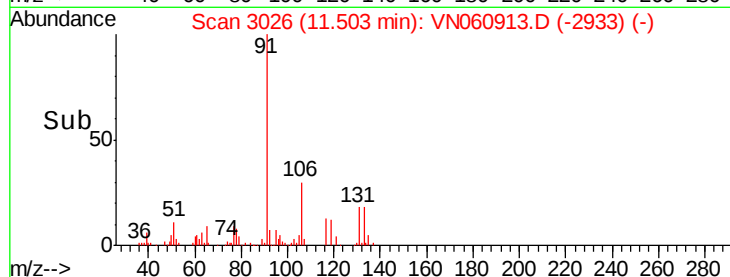
40000

20000

0

11.45 11.50 11.55

Time-->



#68

m/p-Xylenes

Concen: 38.132 ug/l

RT: 11.61 min Scan# 3060

Delta R.T. -0.00 min

Lab File: VN060913.D

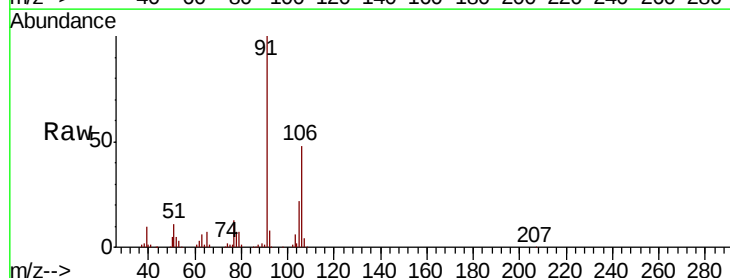
Acq: 13 Apr 2020 21:20

Tgt Ion: 106 Resp: 114405

Ion Ratio Lower Upper

106 100

91 208.7 165.0 247.4



Abundance Ion 106.00 (105.70 to 106.70): VN060913.D (-2968) (-)

Ion 91.00 (90.70 to 91.70): VN060913.D (-2968) (-)

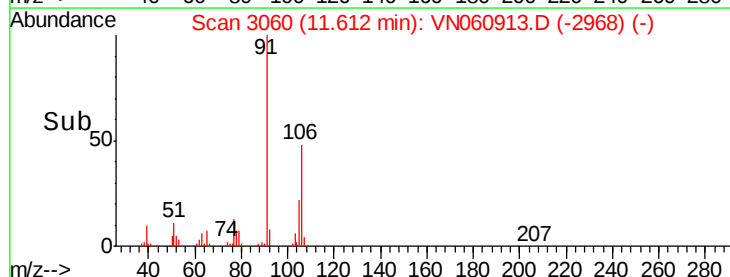
100000

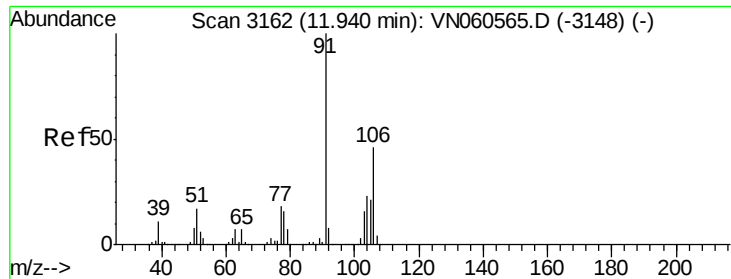
50000

0

11.55 11.60 11.65

Time-->

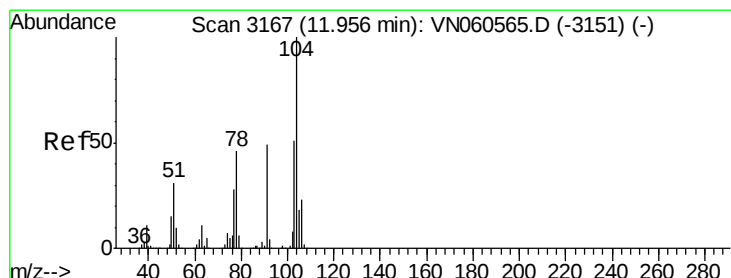
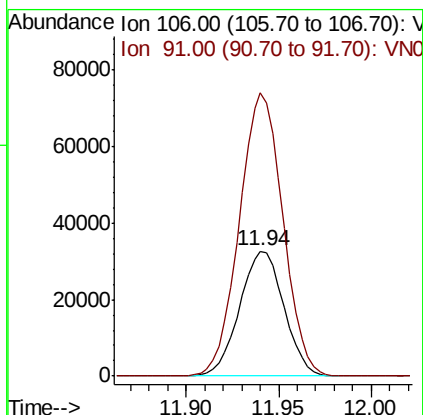
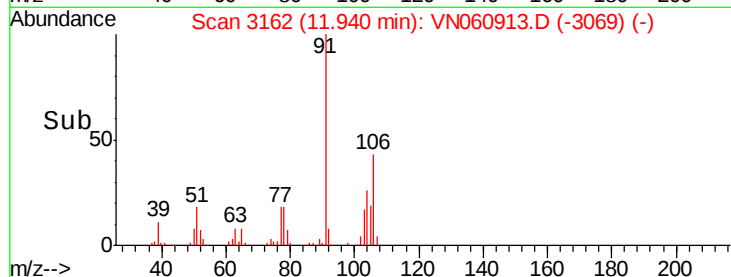
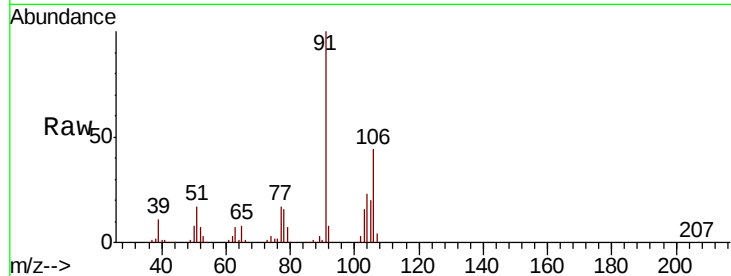




#69
o-Xylene
Concen: 18.931 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN060913.D
Acq: 13 Apr 2020 21:20

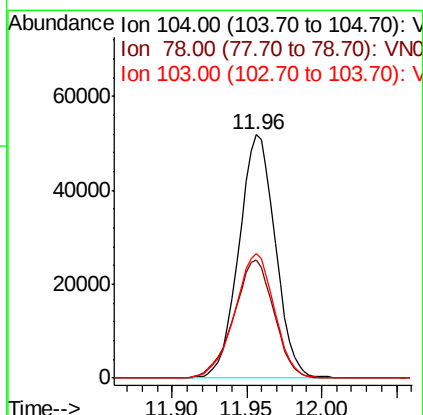
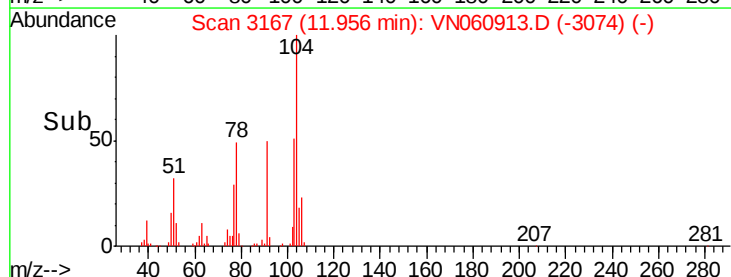
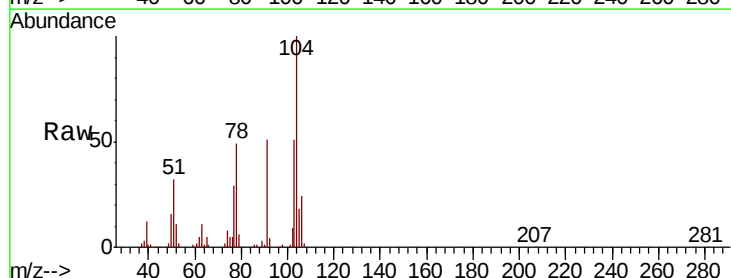
Instrument :
MSVOA_N
ClientSampleId :
VN0413WBSD01

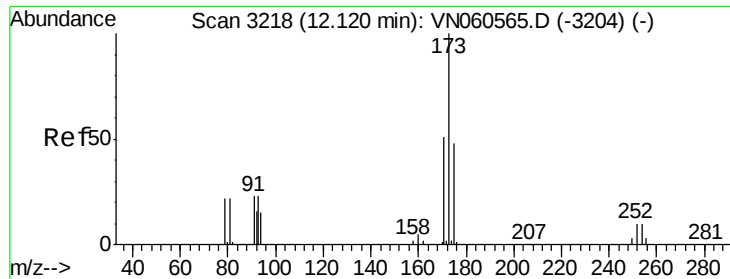
Tot Ion:106 Resp: 54221
Ion Ratio Lower Upper
106 100
91 223.4 109.5 328.4



#70
Styrene
Concen: 18.776 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060913.D
Acq: 13 Apr 2020 21:20

Tgt Ion:104 Resp: 87953
Ion Ratio Lower Upper
104 100
78 53.2 41.2 61.8
103 55.6 44.0 66.0

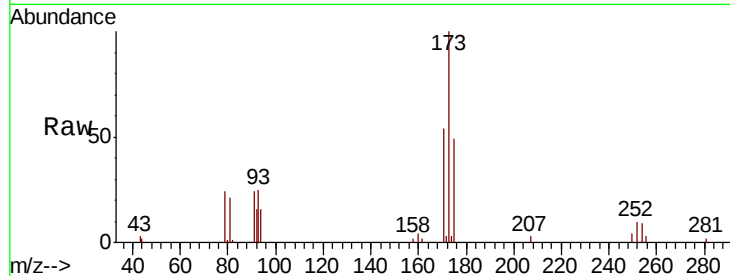




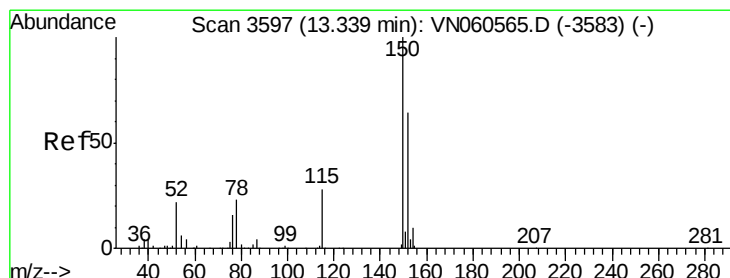
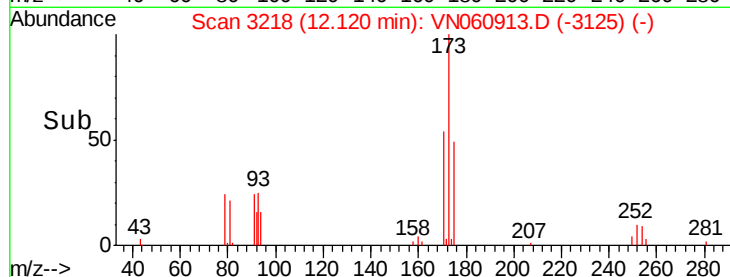
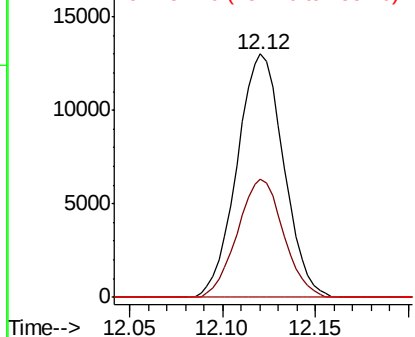
#71
Bromoform
Concen: 18.492 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN060913.D
Acq: 13 Apr 2020 21:20

Instrument :
MSVOA_N
ClientSampleId :
VN0413WBSD01

Tot Ion:173 Resp: 22728
Ion Ratio Lower Upper
173 100
175 47.9 24.1 72.4
254 0.0 0.0 0.0

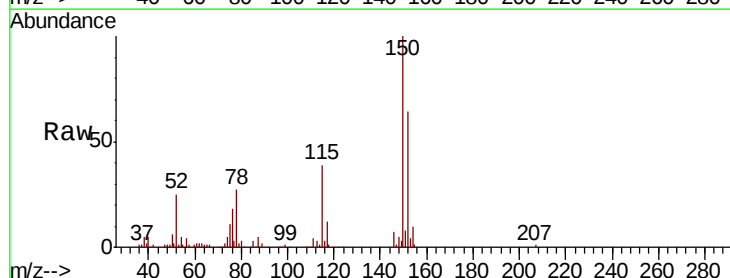


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

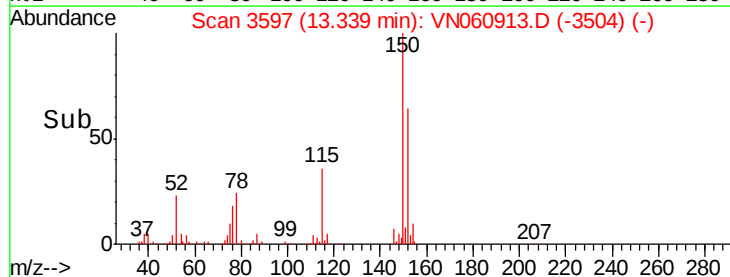
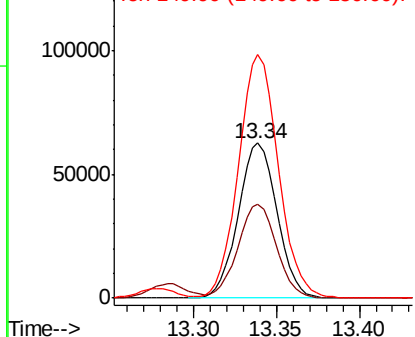


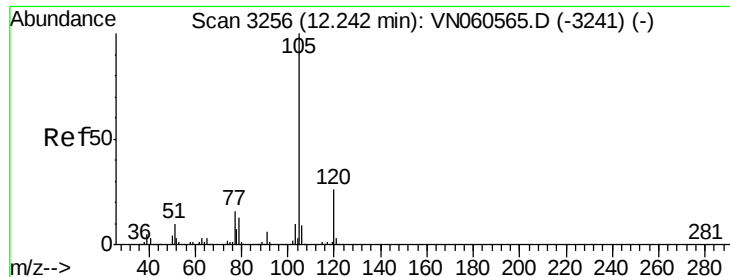
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. -0.00 min
Lab File: VN060913.D
Acq: 13 Apr 2020 21:20

Tgt Ion:152 Resp: 101665
Ion Ratio Lower Upper
152 100
115 60.4 30.2 90.6
150 162.2 0.0 350.2



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: 19.547 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN060913.D

Acq: 13 Apr 2020 21:20

Instrument :

MSVOA_N

ClientSampleId :

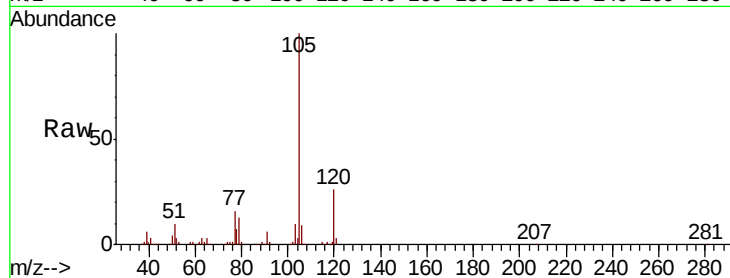
VN0413WBSD01

Tot Ion:105 Resp: 149137

Ion Ratio Lower Upper

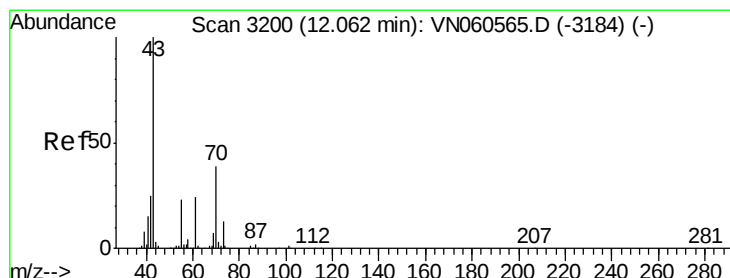
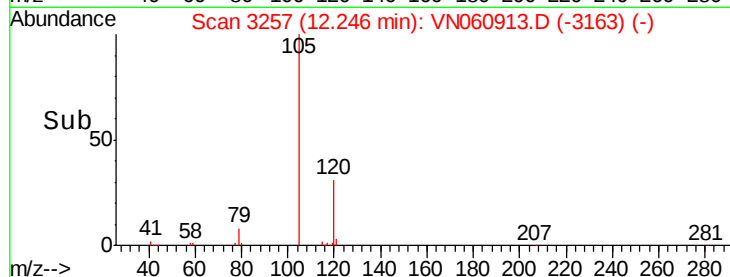
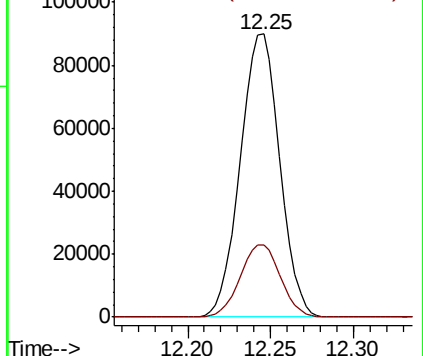
105 100

120 26.0 13.1 39.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.702 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.00 min

Lab File: VN060913.D

Acq: 13 Apr 2020 21:20

Tgt Ion: 43 Resp: 69459

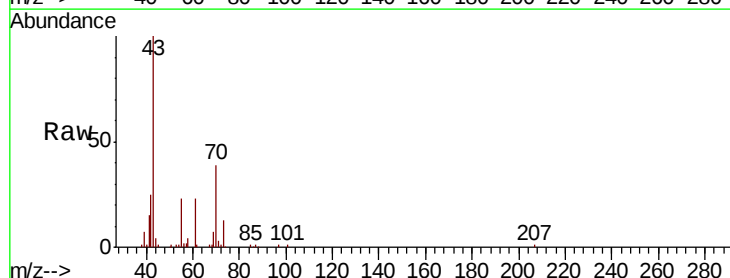
Ion Ratio Lower Upper

43 100

70 38.1 31.1 46.7

55 23.0 18.6 27.8

61 22.5 18.9 28.3

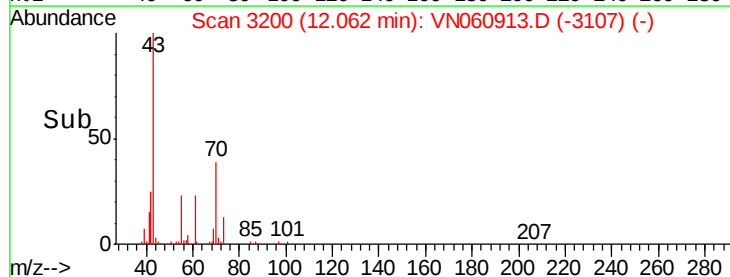
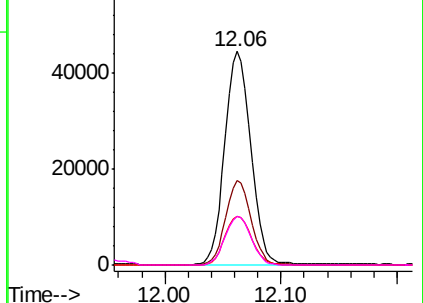


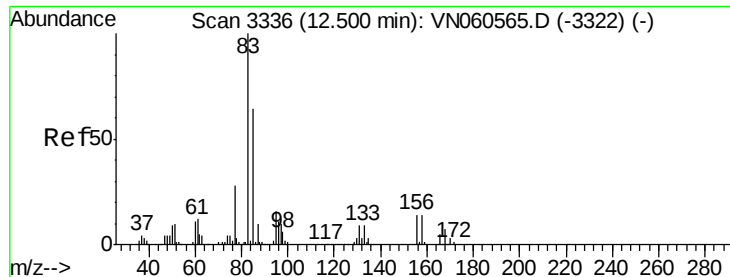
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.180 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN060913.D

Acq: 13 Apr 2020 21:20

Instrument :

MSVOA_N

ClientSampled :

VN0413WBSD01

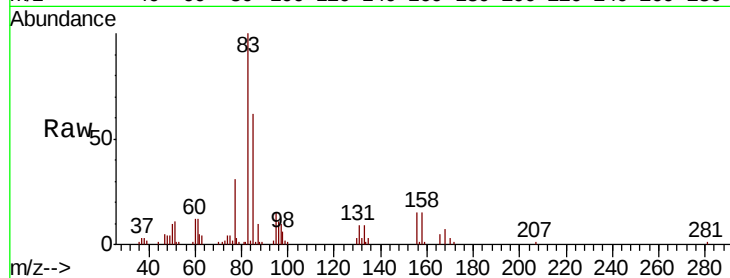
Tot Ion: 83 Resp: 46560

Ion Ratio Lower Upper

83 100

131 9.2 4.9 14.7

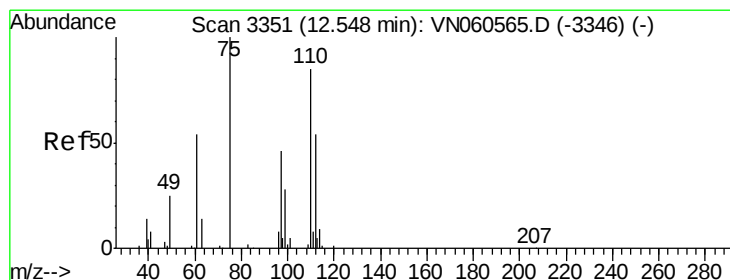
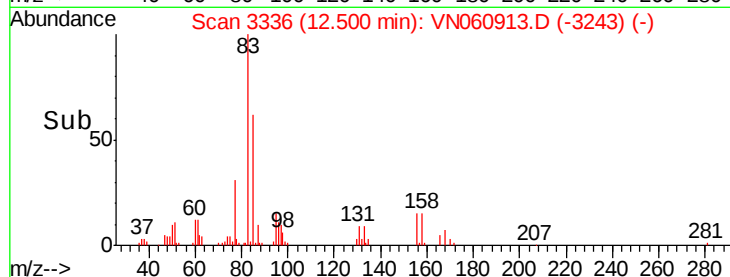
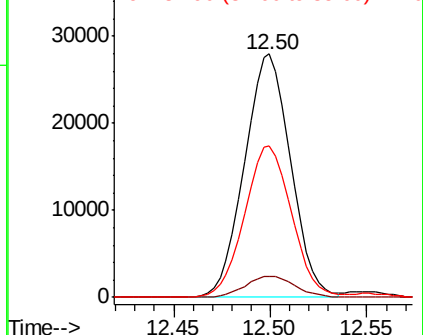
85 63.4 32.5 97.4



Abundance Ion 82.90 (82.60 to 83.60): VN060913.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN060913.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN060913.D (-3322) (-)



#76

1,2,3-Trichloropropane

Concen: 28.432 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. -0.00 min

Lab File: VN060913.D

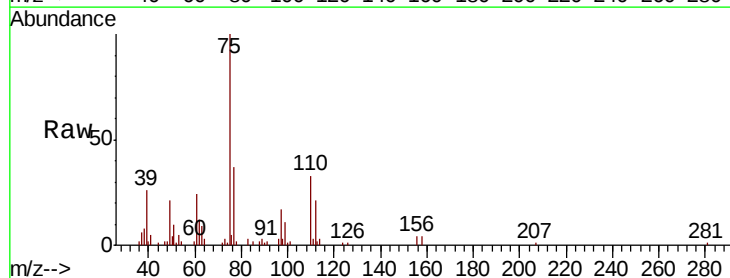
Acq: 13 Apr 2020 21:20

Tgt Ion: 75 Resp: 62372

Ion Ratio Lower Upper

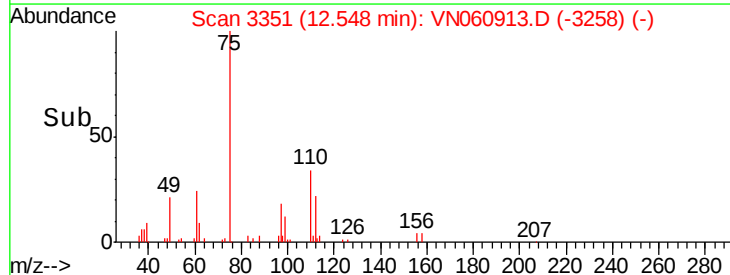
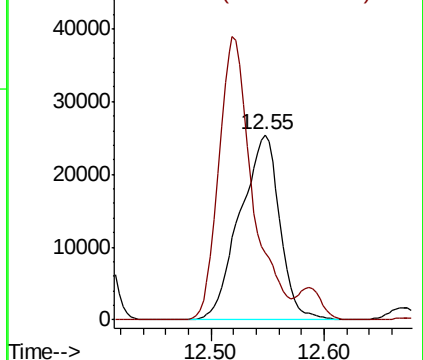
75 100

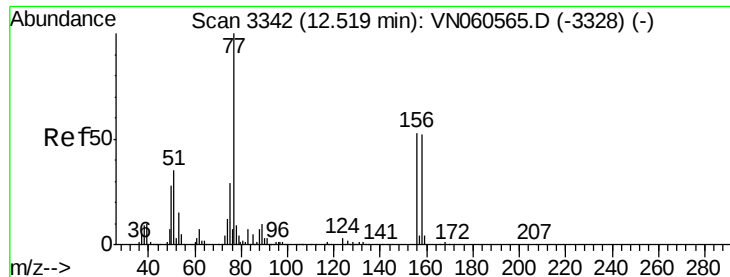
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN060913.D (-3351) (-)

Ion 77.00 (76.70 to 77.70): VN060913.D (-3351) (-)





#77

Bromobenzene

Concen: 19.144 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN060913.D

Acq: 13 Apr 2020 21:20

Instrument :

MSVOA_N

ClientSampleId :

VN0413WBSD01

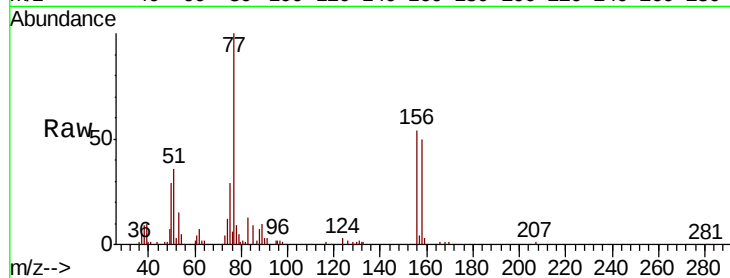
Tot Ion:156 Resp: 35195

Ion Ratio Lower Upper

156 100

77 228.5 112.3 337.0

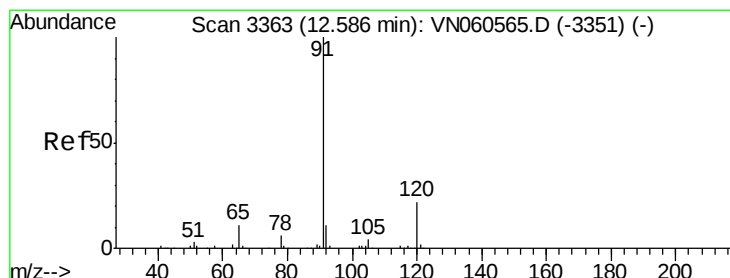
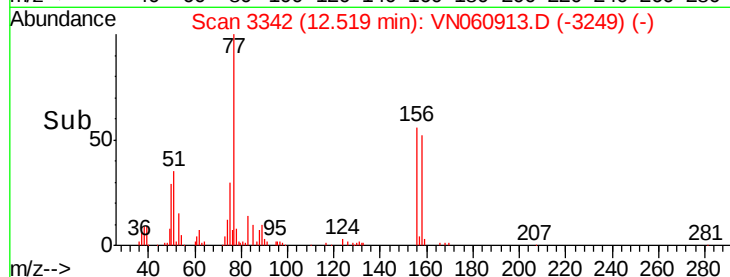
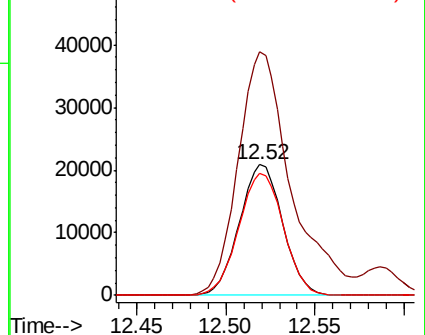
158 96.3 48.6 145.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.494 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN060913.D

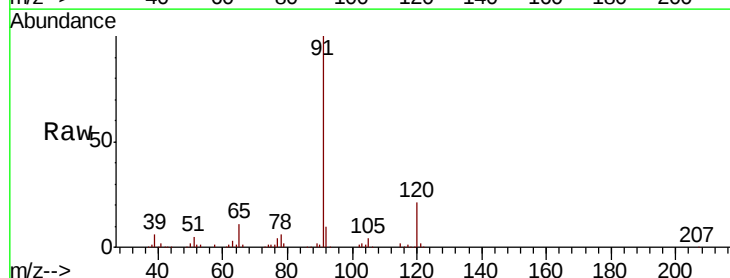
Acq: 13 Apr 2020 21:20

Tgt Ion: 91 Resp: 175712

Ion Ratio Lower Upper

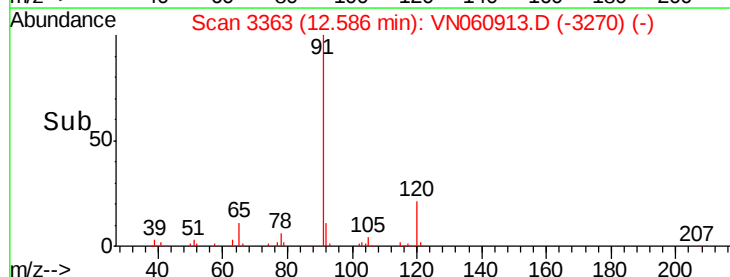
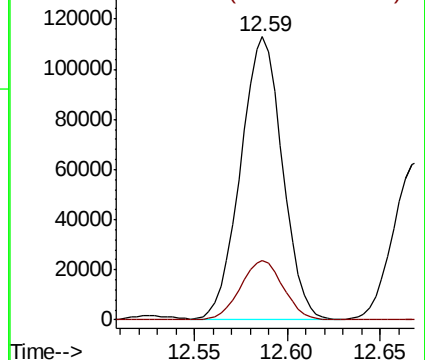
91 100

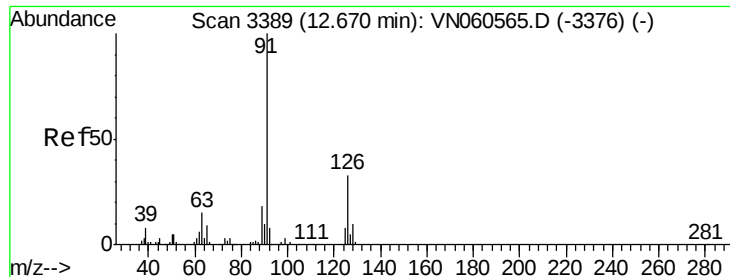
120 21.5 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.235 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN060913.D

Acq: 13 Apr 2020 21:20

Instrument :

MSVOA_N

ClientSampleId :

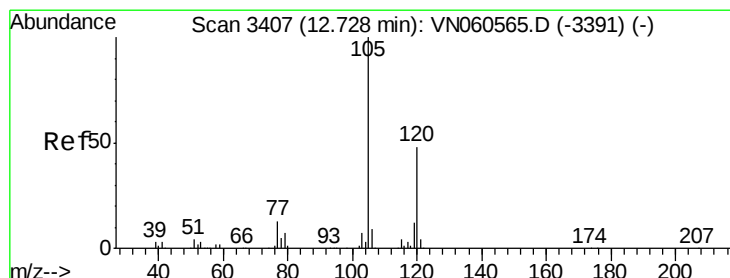
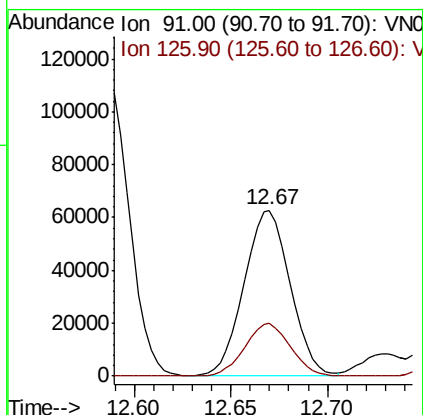
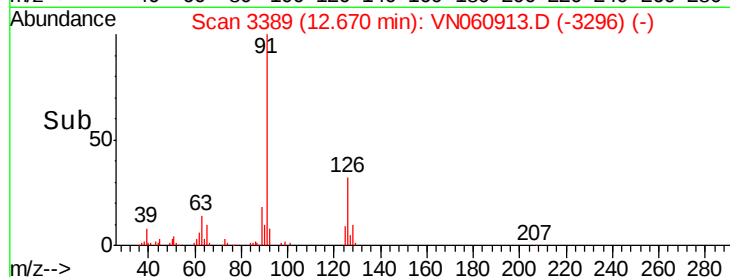
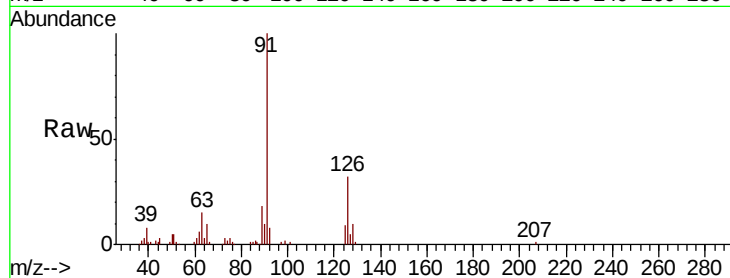
VN0413WBSD01

Tot Ion: 91 Resp: 103594

Ion Ratio Lower Upper

91 100

126 31.7 16.4 49.1



#80

1,3,5-Trimethylbenzene

Concen: 19.343 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN060913.D

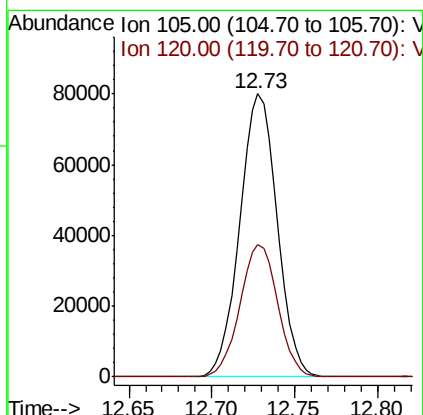
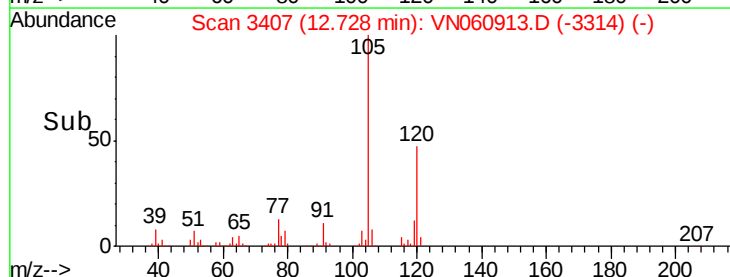
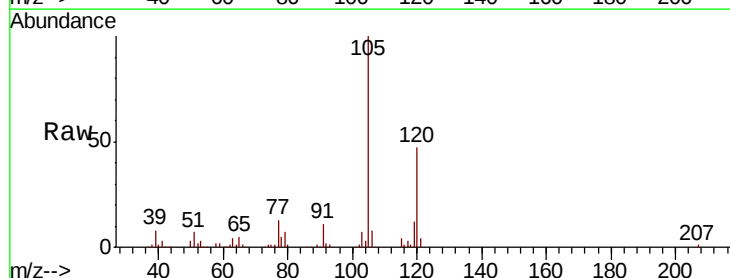
Acq: 13 Apr 2020 21:20

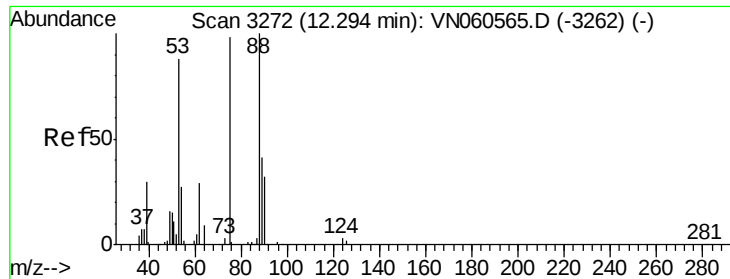
Tgt Ion:105 Resp: 125239

Ion Ratio Lower Upper

105 100

120 47.2 23.9 71.7

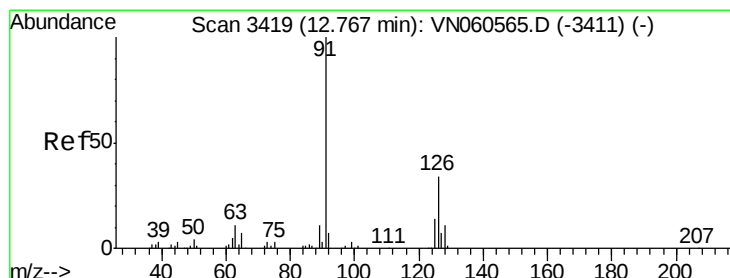
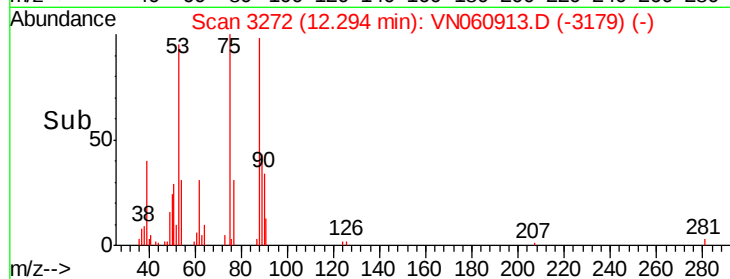
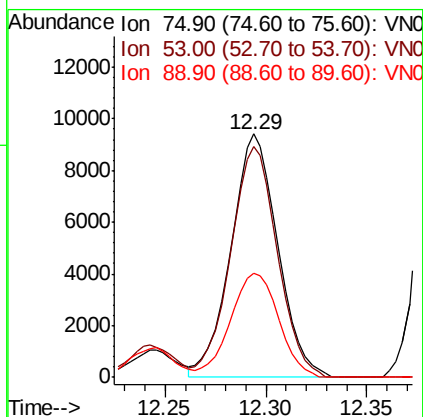
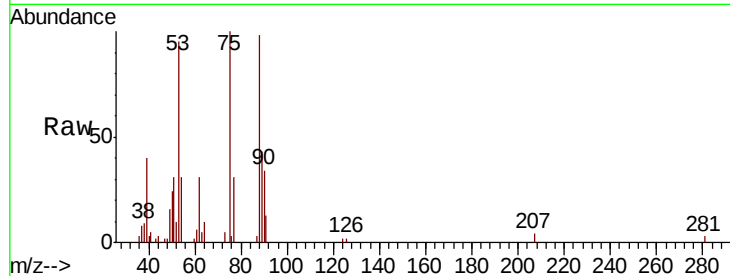




#81
trans-1,4-Dichloro-2-butene
Concen: 17.923 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. -0.00 min
Lab File: VN060913.D
Acq: 13 Apr 2020 21:20

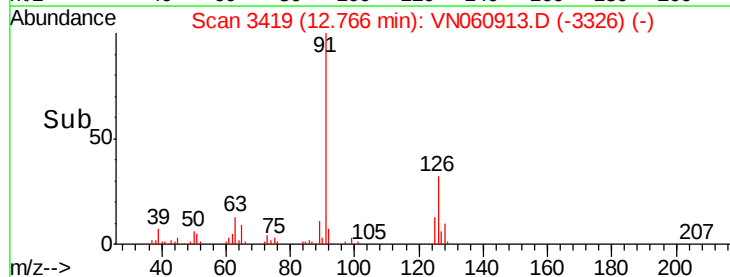
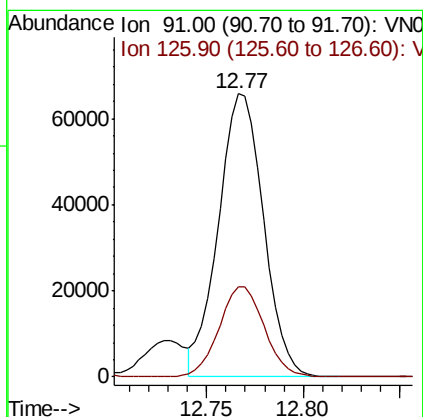
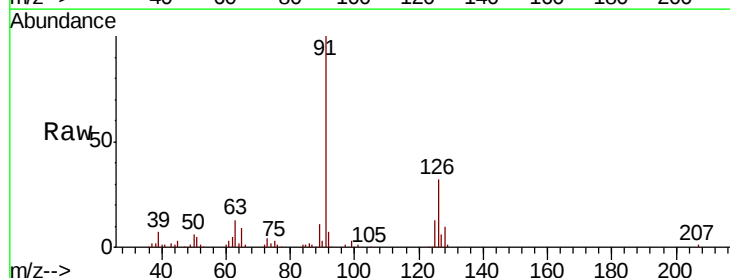
Instrument :
MSVOA_N
ClientSampleId :
VN0413WBSD01

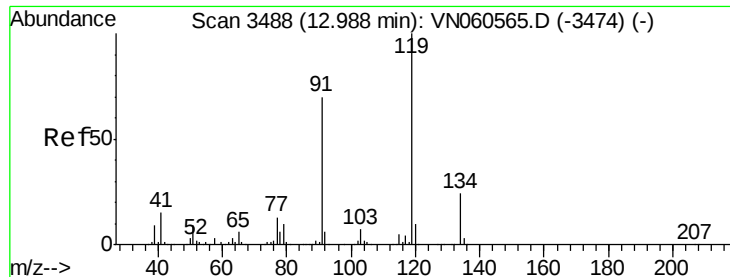
Tot Ion: 75 Resp: 15309
Ion Ratio Lower Upper
75 100
53 94.9 73.0 109.4
89 44.0 34.8 52.2



#82
4-Chlorotoluene
Concen: 19.464 ug/l
RT: 12.77 min Scan# 3419
Delta R.T. -0.00 min
Lab File: VN060913.D
Acq: 13 Apr 2020 21:20

Tgt Ion: 91 Resp: 106765
Ion Ratio Lower Upper
91 100
126 31.8 16.2 48.5

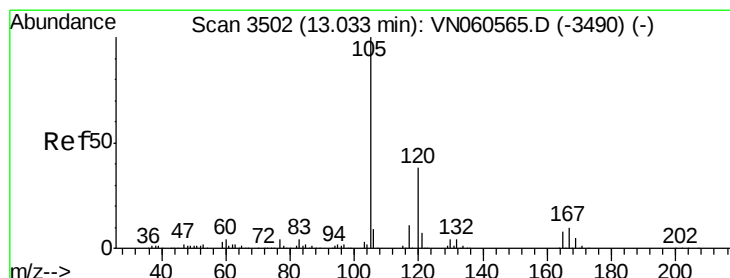
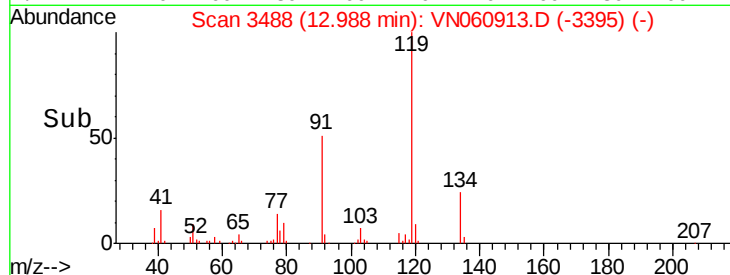
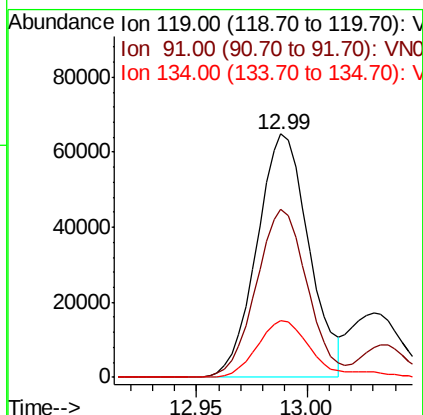
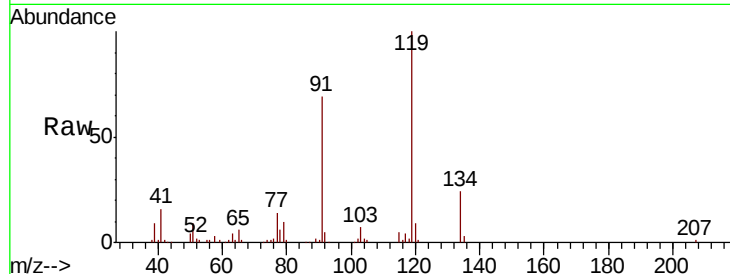




#83
tert-Butylbenzene
Concen: 19.717 ug/l
RT: 12.99 min Scan# 3488
Delta R.T. -0.00 min
Lab File: VN060913.D
Acq: 13 Apr 2020 21:20

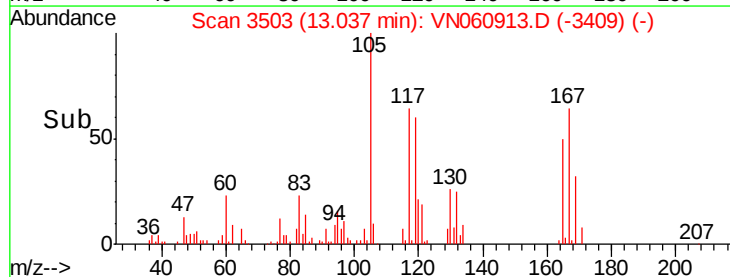
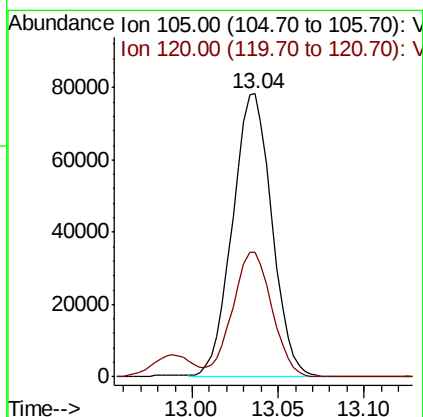
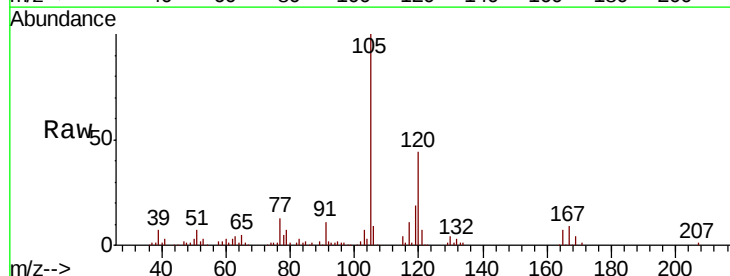
Instrument :
MSVOA_N
ClientSampleId :
VN0413WBSD01

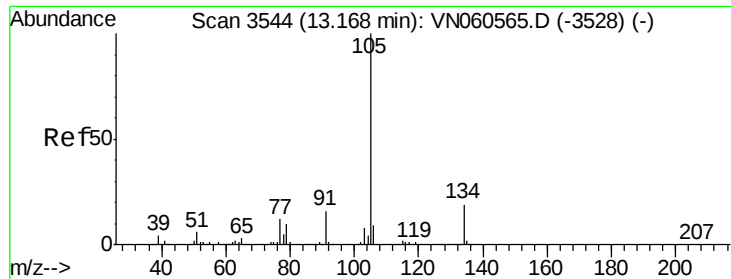
Tot Ion:119 Resp: 105824
Ion Ratio Lower Upper
119 100
91 67.9 34.0 101.8
134 24.9 12.7 38.0



#84
1,2,4-Trimethylbenzene
Concen: 19.428 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN060913.D
Acq: 13 Apr 2020 21:20

Tgt Ion:105 Resp: 124442
Ion Ratio Lower Upper
105 100
120 44.0 22.1 66.5





#85

sec-Butylbenzene

Concen: 20.072 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN060913.D

Acq: 13 Apr 2020 21:20

Instrument :

MSVOA_N

ClientSampleID :

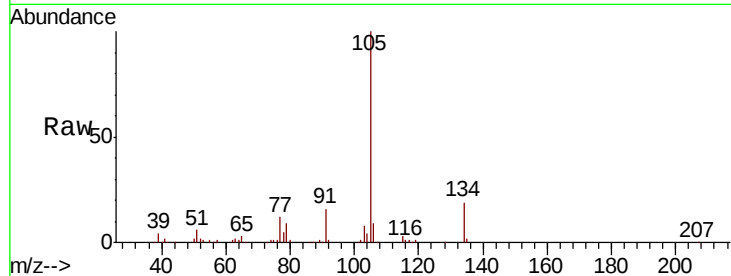
VN0413WBSD01

Tot Ion:105 Resp: 144870

Ion Ratio Lower Upper

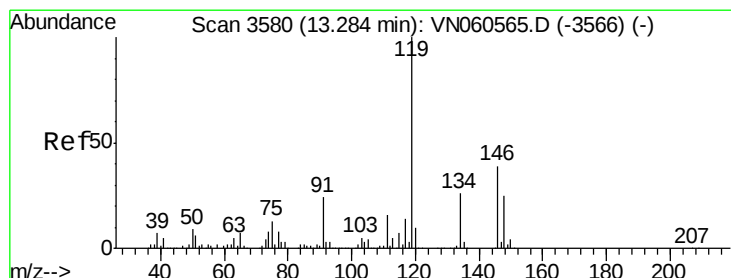
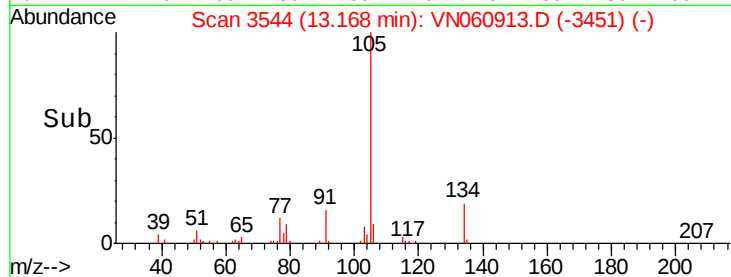
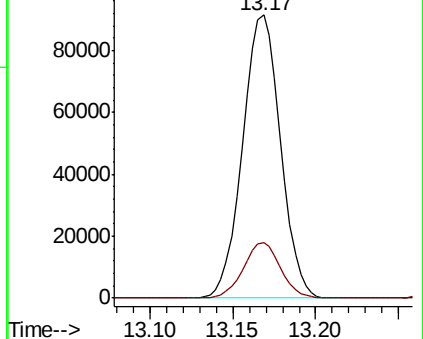
105 100

134 19.2 9.6 28.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.605 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN060913.D

Acq: 13 Apr 2020 21:20

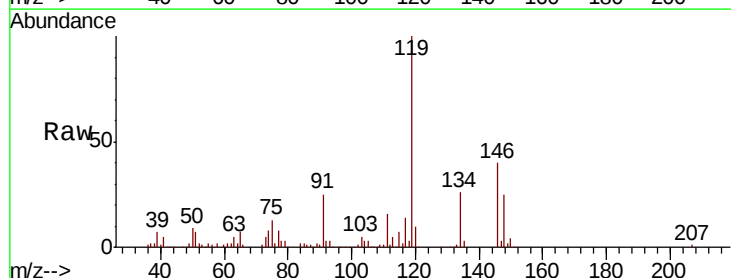
Tgt Ion:119 Resp: 127239

Ion Ratio Lower Upper

119 100

134 25.7 13.0 39.0

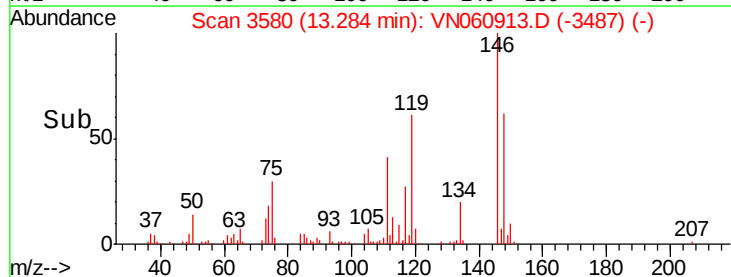
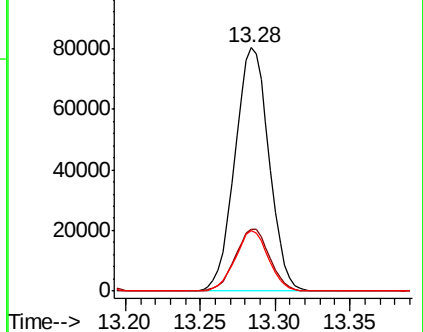
91 24.2 12.0 36.0

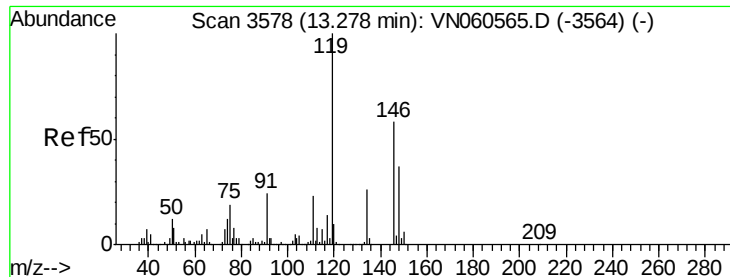


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 19.484 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. -0.00 min

Lab File: VN060913.D

Acq: 13 Apr 2020 21:20

Instrument :

MSVOA_N

ClientSampleId :

VN0413WBSD01

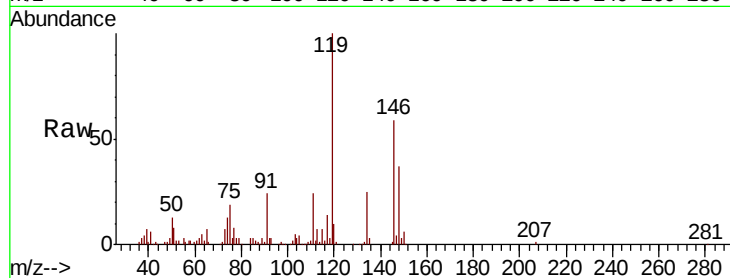
Tot Ion:146 Resp: 63178

Ion Ratio Lower Upper

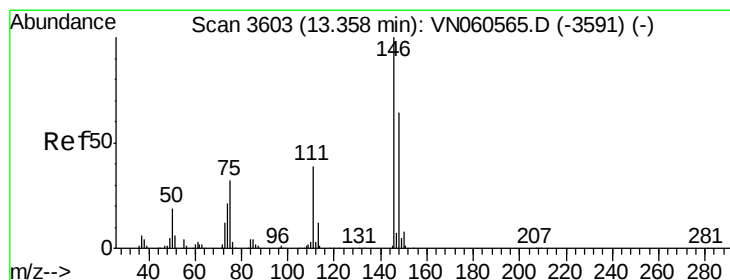
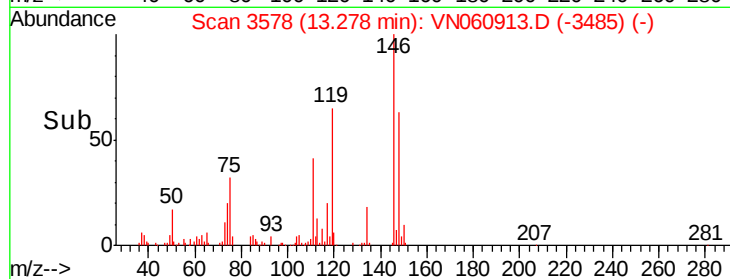
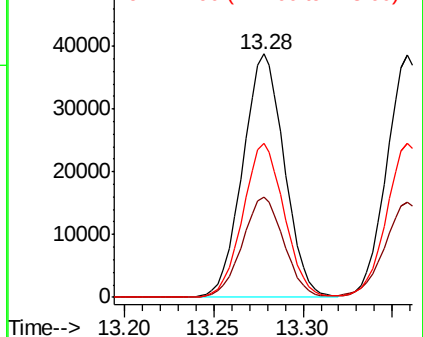
146 100

111 41.0 20.3 60.8

148 63.0 32.5 97.4



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



#88

1,4-Dichlorobenzene

Concen: 19.348 ug/l

RT: 13.36 min Scan# 3603

Delta R.T. -0.00 min

Lab File: VN060913.D

Acq: 13 Apr 2020 21:20

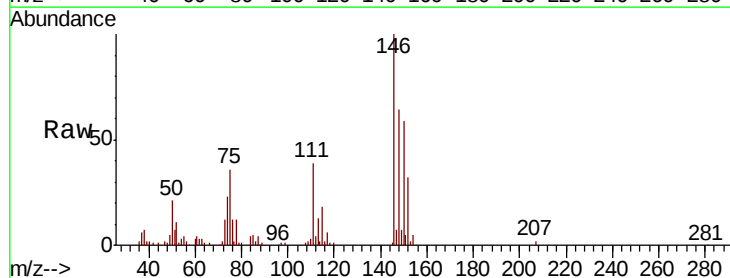
Tgt Ion:146 Resp: 63030

Ion Ratio Lower Upper

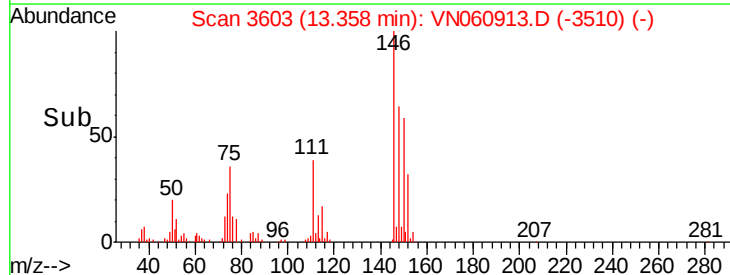
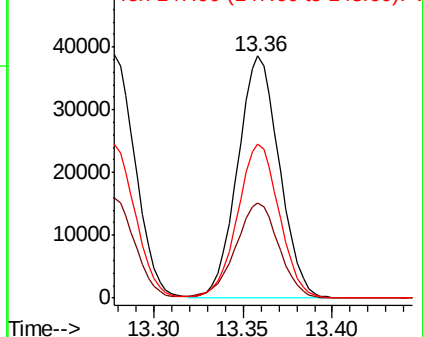
146 100

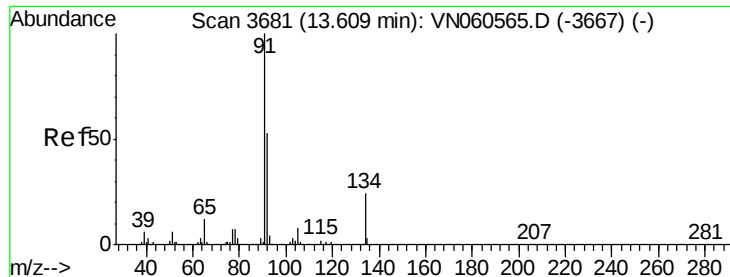
111 40.9 19.6 58.7

148 63.5 32.1 96.3



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

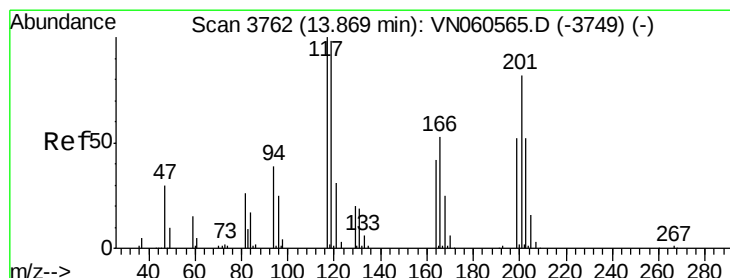
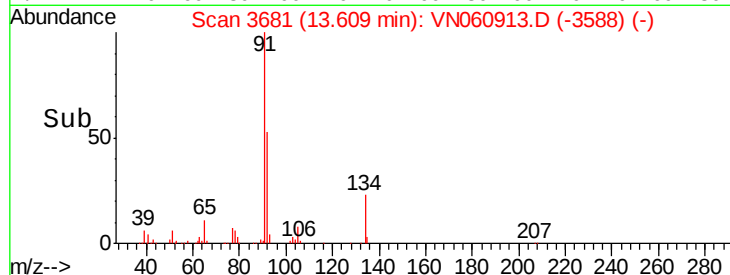
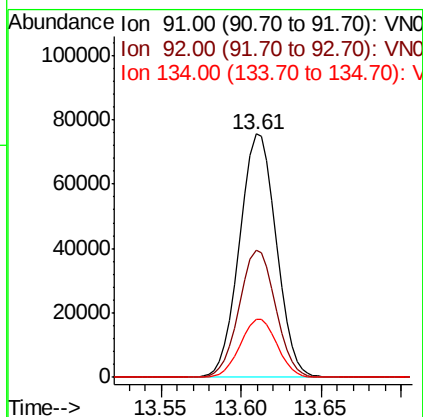
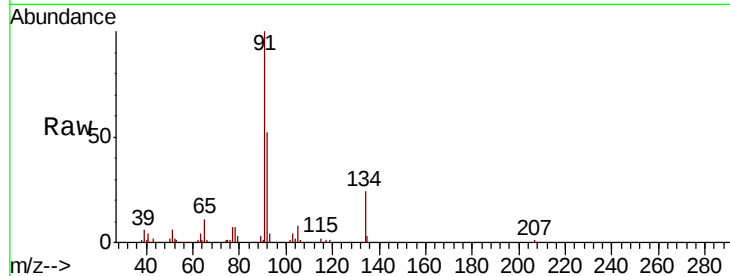




#89
n-Butylbenzene
Concen: 20.150 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. -0.00 min
Lab File: VN060913.D
Acq: 13 Apr 2020 21:20

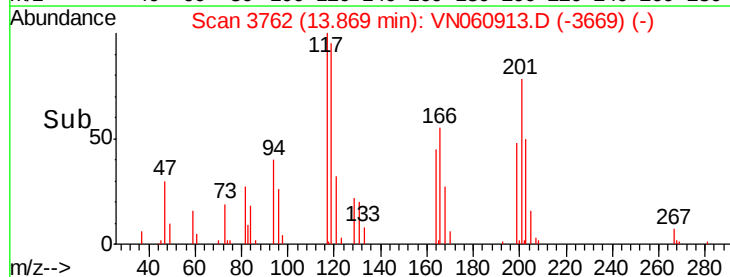
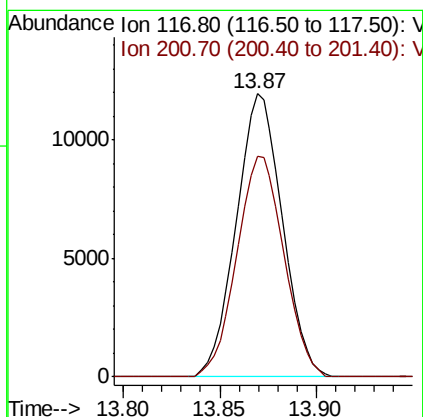
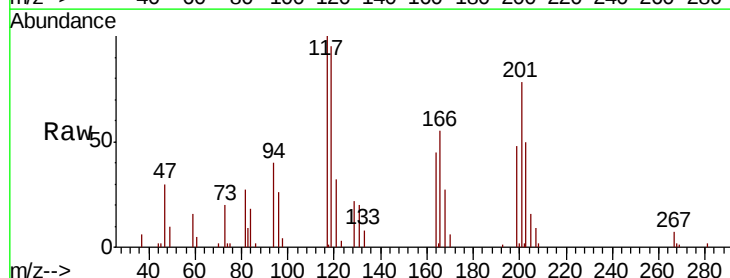
Instrument :
MSVOA_N
ClientSampled :
VN0413WBSD01

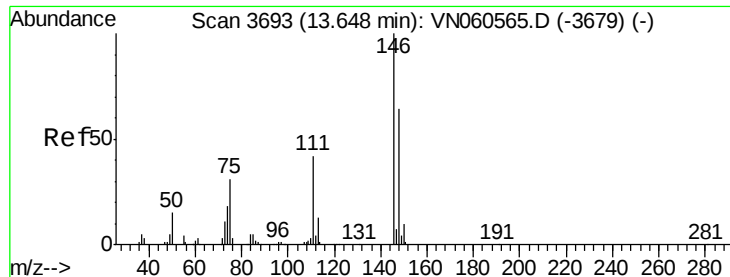
Tot Ion: 91 Resp: 118071
Ion Ratio Lower Upper
91 100
92 51.9 26.2 78.5
134 23.9 12.3 36.9



#90
Hexachloroethane
Concen: 20.947 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN060913.D
Acq: 13 Apr 2020 21:20

Tgt Ion: 117 Resp: 19761
Ion Ratio Lower Upper
117 100
201 79.4 40.8 122.5





#91

1,2-Dichlorobenzene

Concen: 19.548 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN060913.D

Acq: 13 Apr 2020 21:20

Instrument :

MSVOA_N

ClientSampleId :

VN0413WBSD01

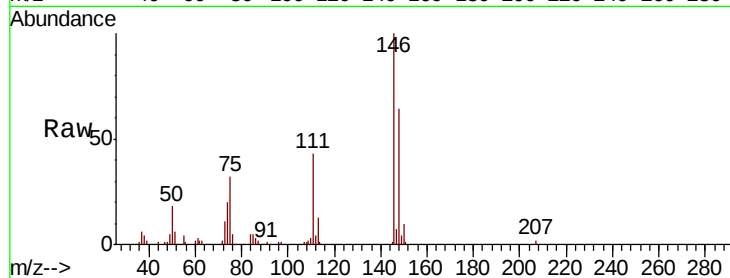
Tot Ion:146 Resp: 60607

Ion Ratio Lower Upper

146 100

111 42.7 21.0 63.0

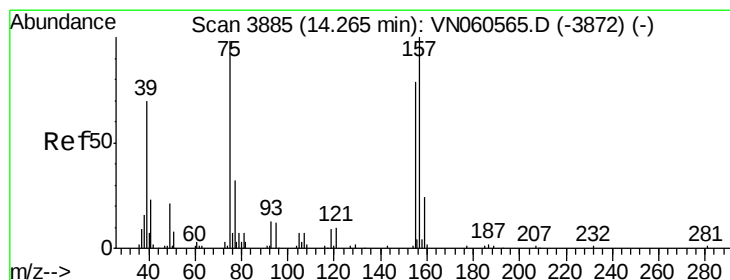
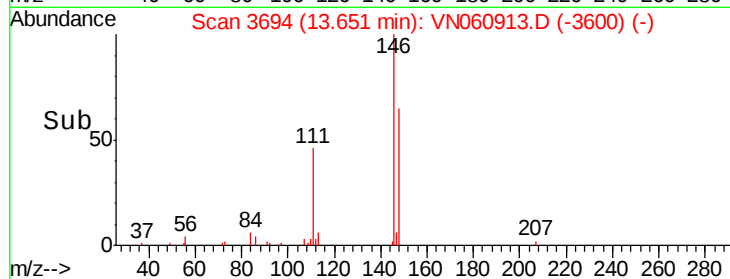
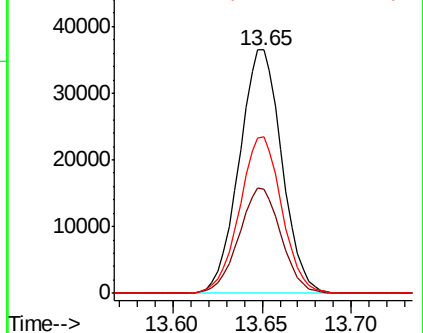
148 63.8 31.9 95.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.369 ug/l

RT: 14.26 min Scan# 3885

Delta R.T. 0.00 min

Lab File: VN060913.D

Acq: 13 Apr 2020 21:20

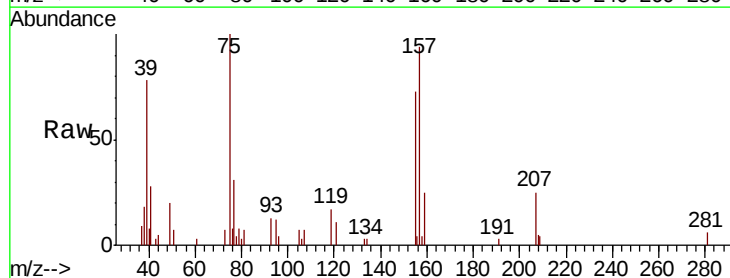
Tgt Ion: 75 Resp: 8959

Ion Ratio Lower Upper

75 100

155 76.0 40.7 122.1

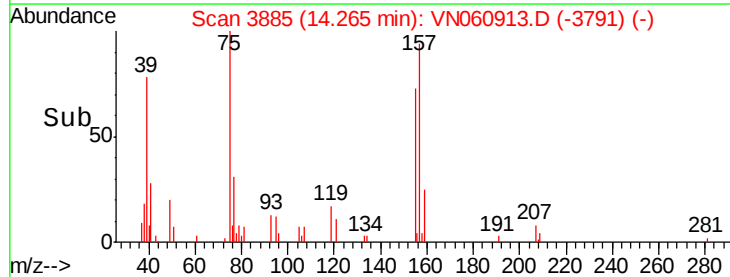
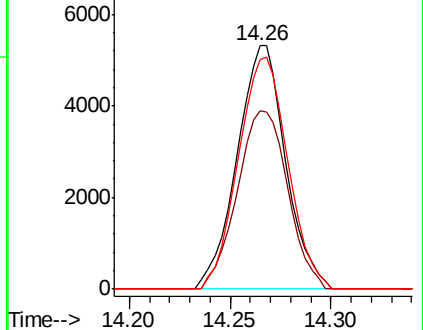
157 96.9 51.5 154.7

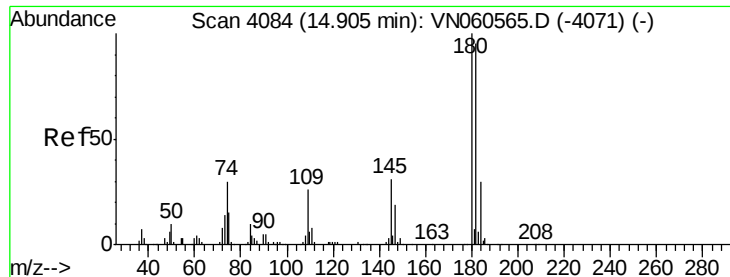


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

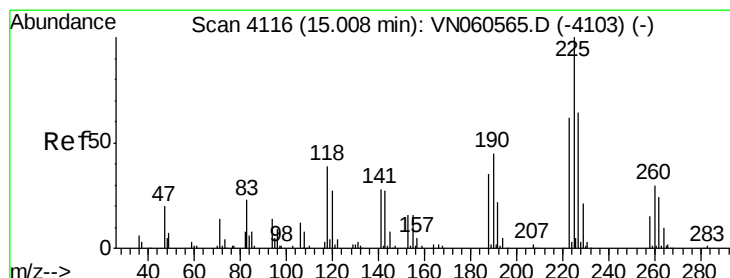
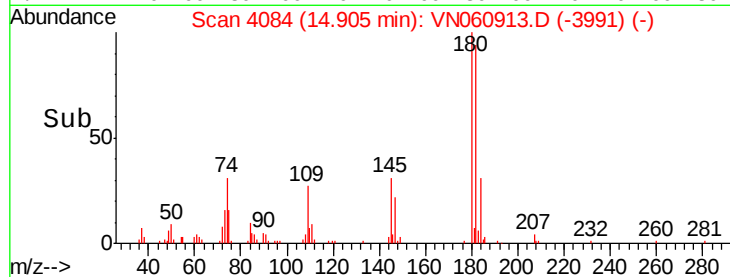
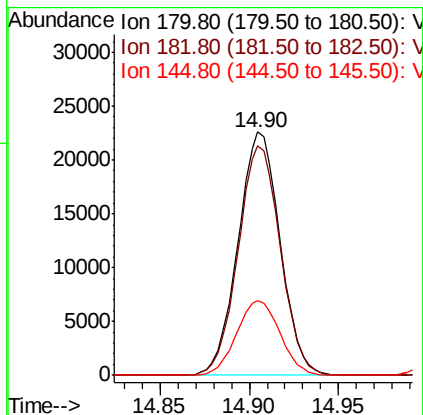
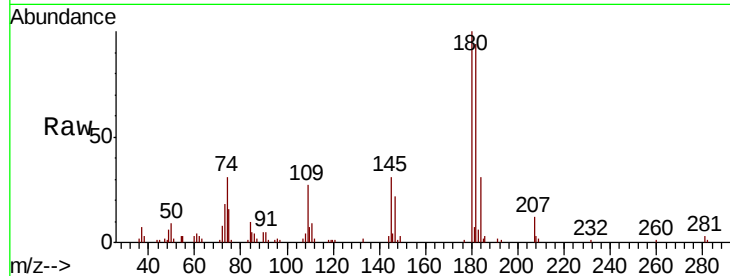




#93
 1,2,4-Trichlorobenzene
 Concen: 19.472 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.00 min
 Lab File: VN060913.D
 Acq: 13 Apr 2020 21:20

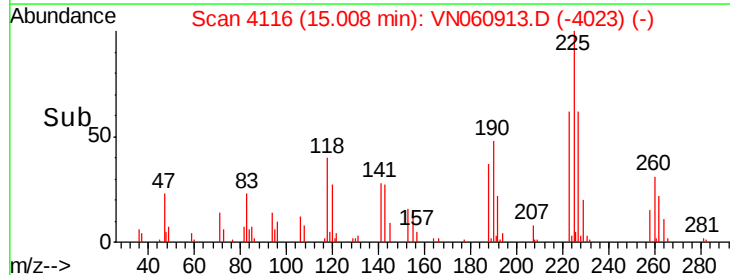
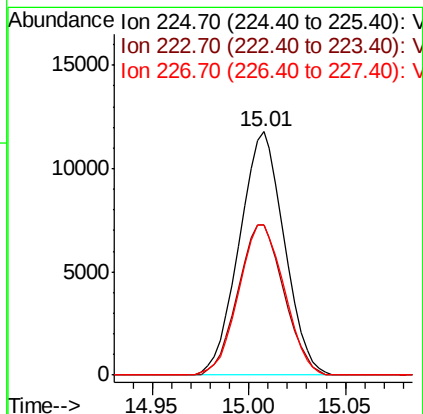
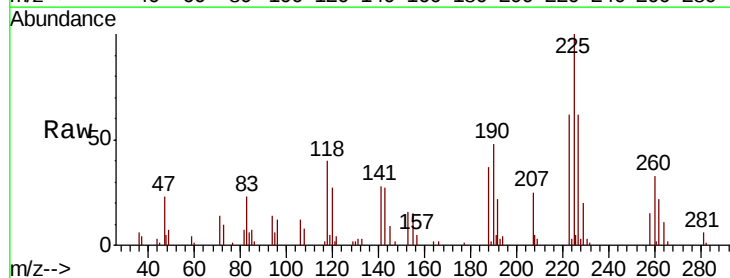
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0413WBSD01

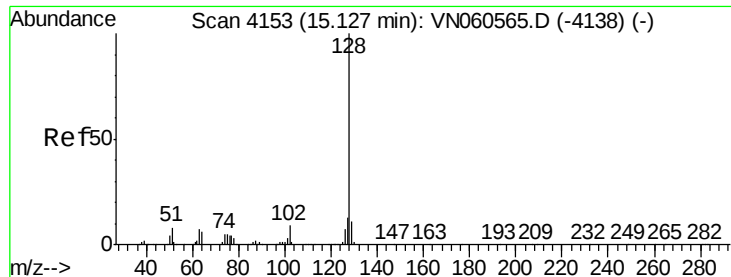
Tot Ion:180 Resp: 37075
 Ion Ratio Lower Upper
 180 100
 182 94.5 47.9 143.8
 145 31.6 15.4 46.2



#94
 Hexachlorobutadiene
 Concen: 20.385 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN060913.D
 Acq: 13 Apr 2020 21:20

Tgt Ion:225 Resp: 19027
 Ion Ratio Lower Upper
 225 100
 223 63.0 31.6 95.0
 227 62.7 32.3 96.8

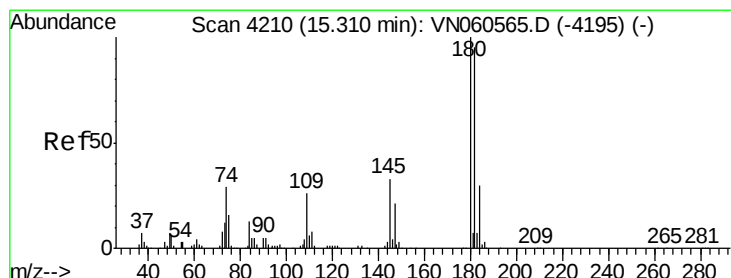
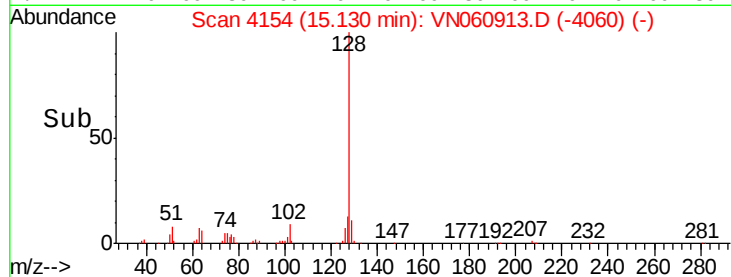
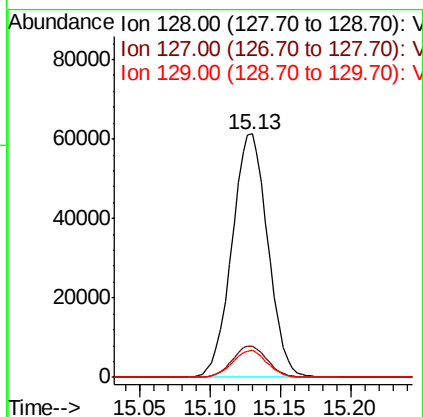
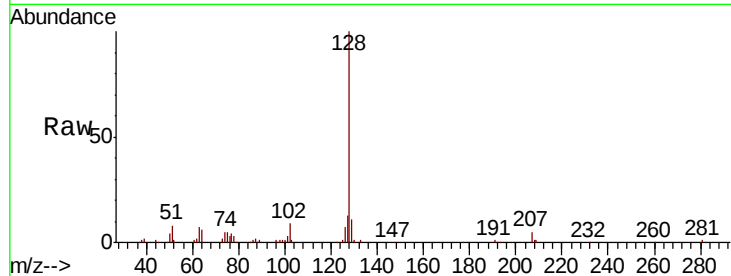




#95
Naphthalene
Concen: 19.051 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060913.D
Acq: 13 Apr 2020 21:20

Instrument :
MSVOA_N
ClientSampleId :
VN0413WBSD01

Tot Ion:128 Resp: 109099
Ion Ratio Lower Upper
128 100
127 12.6 10.2 15.2
129 10.6 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 19.512 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. -0.00 min
Lab File: VN060913.D
Acq: 13 Apr 2020 21:20

Tgt Ion:180 Resp: 36592
Ion Ratio Lower Upper
180 100
182 96.5 47.5 142.6
145 33.0 16.3 48.8

