

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060719\
 Data File : VN056075.D
 Acq On : 7 Jun 2019 4:19
 Operator : JC/SP
 Sample : VN0607WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0607WBS02

Quant Time: Jun 08 01:12:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	291925	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	445238	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	395120	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	157695	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	157576	54.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.72%	
35) Dibromofluoromethane	7.59	113	138393	50.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.32%	
50) Toluene-d8	10.09	98	524249	49.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.74%	
62) 4-Bromofluorobenzene	12.40	95	172341	48.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	65807	20.728	ug/l	99
3) Chloromethane	2.06	50	72108	22.787	ug/l	97
4) Vinyl Chloride	2.19	62	71492	22.522	ug/l	99
5) Bromomethane	2.53	94	36479	18.193	ug/l	97
6) Chloroethane	2.69	64	41162	22.365	ug/l	96
7) Trichlorofluoromethane	3.00	101	85095	20.999	ug/l	98
8) Diethyl Ether	3.40	74	35538	21.326	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	50917	20.685	ug/l	99
10) Methyl Iodide	3.94	142	52611	13.449	ug/l	100
11) Tert butyl alcohol	4.82	59	48891	96.926	ug/l	99
12) 1,1-Dichloroethene	3.72	96	50918	20.777	ug/l	98
13) Acrolein	3.60	56	11824	81.278	ug/l	96
14) Allyl chloride	4.31	41	74607	19.280	ug/l	99
15) Acrylonitrile	4.99	53	146875	119.616	ug/l	99
16) Acetone	3.82	43	119394	86.124	ug/l	98
17) Carbon Disulfide	4.04	76	103546	17.647	ug/l	98
18) Methyl Acetate	4.33	43	68004	24.680	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	170817	21.867	ug/l	99
20) Methylene Chloride	4.55	84	62146	21.759	ug/l	97
21) trans-1,2-Dichloroethene	5.03	96	55237	21.036	ug/l	96
22) Diisopropyl ether	5.96	45	174357	21.796	ug/l	98
23) Vinyl Acetate	5.90	43	664752	105.525	ug/l	100
24) 1,1-Dichloroethane	5.84	63	98792	21.410	ug/l	98
25) 2-Butanone	6.84	43	189823	108.375	ug/l	99
26) 2,2-Dichloropropane	6.82	77	41964	11.655	ug/l	94
27) cis-1,2-Dichloroethene	6.83	96	66472	21.536	ug/l	95
28) Bromochloromethane	7.19	49	44208	20.259	ug/l	97
29) Tetrahydrofuran	7.22	42	126500	116.838	ug/l	99
30) Chloroform	7.37	83	102072	21.990	ug/l	99
31) Cyclohexane	7.65	56	92707	20.156	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	80853	20.859	ug/l	99
36) 1,1-Dichloropropene	7.79	75	71563	18.693	ug/l	97
37) Ethyl Acetate	6.93	43	75933	22.291	ug/l	98
38) Carbon Tetrachloride	7.77	117	66788	18.922	ug/l	97

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

39) Methylcyclohexane	9.08	83	86974	18.237	ug/l	98
40) Benzene	8.04	78	241242	20.747	ug/l	100
41) Methacrylonitrile	7.18	41	35106	22.400	ug/l	96
42) 1,2-Dichloroethane	8.12	62	78253	20.922	ug/l	99
43) Isopropyl Acetate	8.17	43	114857	20.808	ug/l #	92
44) Trichloroethene	8.83	130	67586	20.228	ug/l	97
45) 1,2-Dichloropropane	9.12	63	62278	20.910	ug/l	99
46) Dibromomethane	9.21	93	39974	20.524	ug/l	98
47) Bromodichloromethane	9.40	83	69086	19.572	ug/l	99
48) Methyl methacrylate	9.20	41	57763	21.390	ug/l	98
49) 1,4-Dioxane	9.21	88	24747	424.472	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	371844	107.722	ug/l	99
52) Toluene	10.15	92	148285	20.494	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	63190	16.934	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	77159	18.185	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	59685	20.824	ug/l	99
56) Ethyl methacrylate	10.43	69	85859	20.534	ug/l	99
57) 1,3-Dichloropropane	10.71	76	98903	21.227	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	142952	95.972	ug/l	99
59) 2-Hexanone	10.75	43	256826	102.655	ug/l	99
60) Dibromochloromethane	10.90	129	53549	18.561	ug/l	99
61) 1,2-Dibromoethane	11.01	107	60919	20.791	ug/l	98
64) Tetrachloroethene	10.63	164	73112	21.376	ug/l	98
65) Chlorobenzene	11.43	112	164737	20.949	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	54974	20.247	ug/l	99
67) Ethyl Benzene	11.51	91	274250	20.057	ug/l	100
68) m/p-Xylenes	11.62	106	207913	39.803	ug/l	98
69) o-Xylene	11.95	106	103324	20.109	ug/l	98
70) Styrene	11.96	104	162957	19.961	ug/l	100
71) Bromoform	12.13	173	35274	17.367	ug/l #	100
73) Isopropylbenzene	12.25	105	269902	22.690	ug/l	99
74) N-amyl acetate	12.07	43	89689	21.336	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	82027	22.407	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	89489	30.841	ug/l #	100
77) Bromobenzene	12.53	156	71168	21.079	ug/l	96
78) n-propylbenzene	12.59	91	274962	20.610	ug/l	100
79) 2-Chlorotoluene	12.67	91	175868	22.489	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	218661	20.623	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	13119	15.056	ug/l #	78
82) 4-Chlorotoluene	12.77	91	160575	20.573	ug/l	100
83) tert-Butylbenzene	12.99	119	197348	22.488	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	210519	20.938	ug/l	99
85) sec-Butylbenzene	13.17	105	245607	20.788	ug/l	100
86) p-Isopropyltoluene	13.29	119	214981	20.332	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	104902	20.075	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	102007	20.293	ug/l	99
89) n-Butylbenzene	13.61	91	144680	18.471	ug/l	98
90) Hexachloroethane	13.87	117	29065	18.227	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	112508	21.326	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	10851	20.724	ug/l	100

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Quant Title : SW846 8260
QLast Update : Tue Jun 04 11:02:09 2019
Response via : Initial Calibration

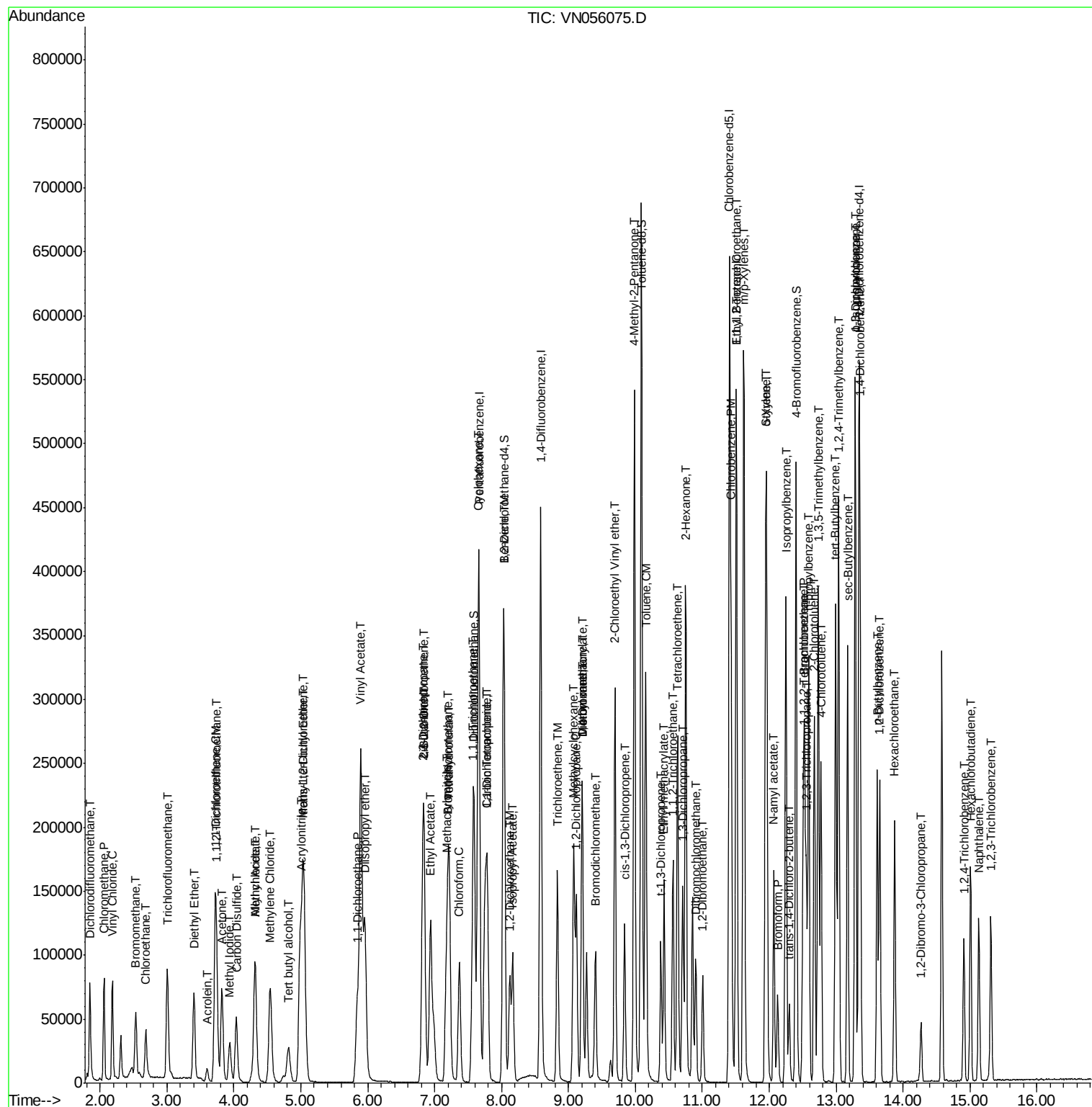
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	41651	17.373	ug/l	97
94) Hexachlorobutadiene	15.01	225	37734	19.586	ug/l	97
95) Naphthalene	15.13	128	116191	18.069	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	49877	18.845	ug/l	99

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056075.D

Acq: 7 Jun 2019 4:19

Instrument :

MSVOA_N

ClientSampleId :

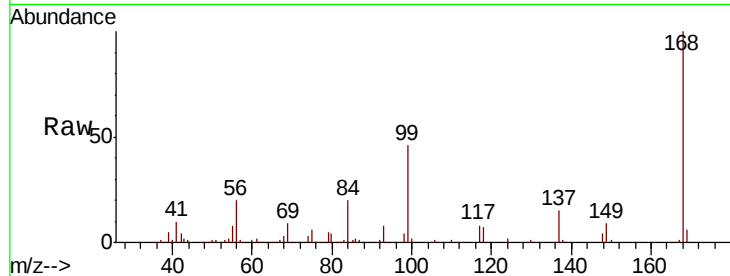
VN0607WBS02

Tot Ion:168 Resp: 291925

Ion Ratio Lower Upper

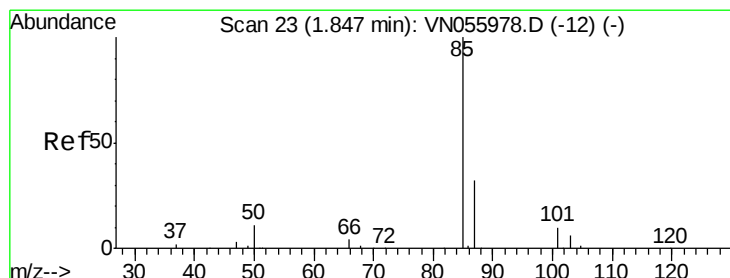
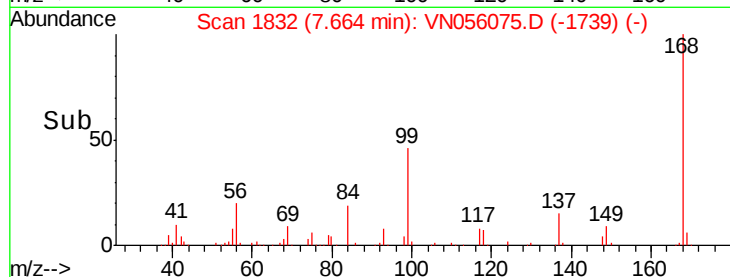
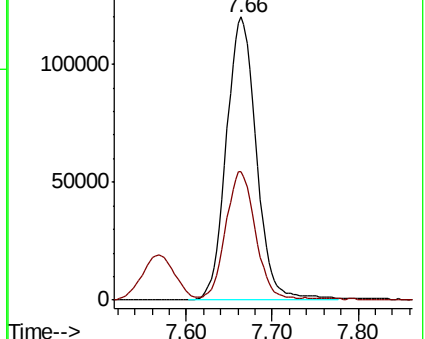
168 100

99 45.1 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 20.728 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056075.D

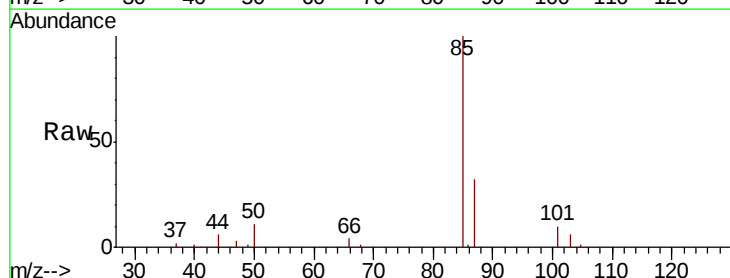
Acq: 7 Jun 2019 4:19

Tgt Ion: 85 Resp: 65807

Ion Ratio Lower Upper

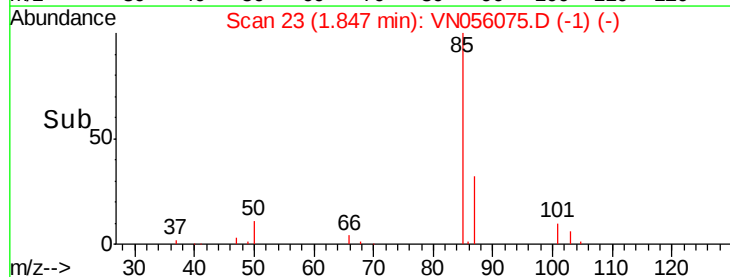
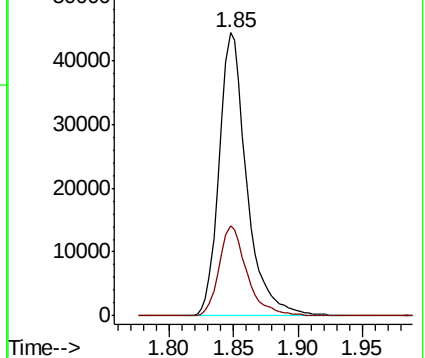
85 100

87 31.6 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 22.787 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN056075.D

Acq: 7 Jun 2019 4:19

Instrument :

MSVOA_N

ClientSampled :

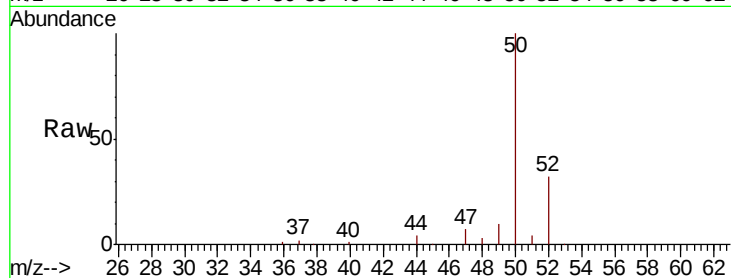
VN0607WBS02

Tot Ion: 50 Resp: 72108

Ion Ratio Lower Upper

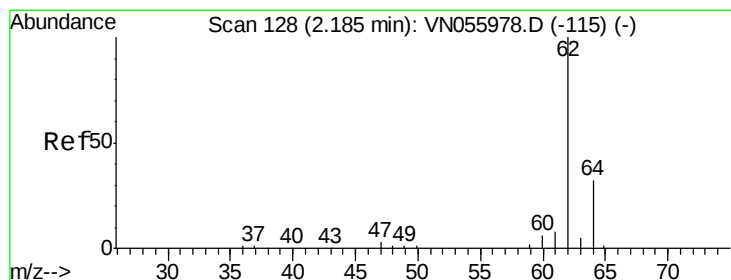
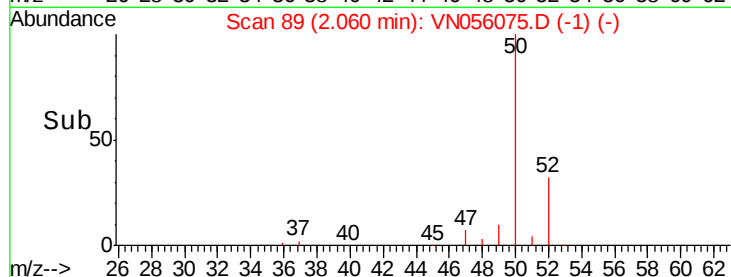
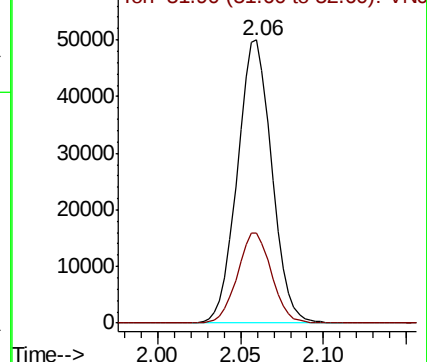
50 100

52 31.7 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 22.522 ug/l

RT: 2.19 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN056075.D

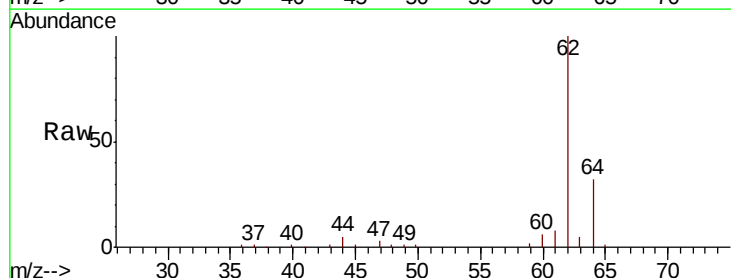
Acq: 7 Jun 2019 4:19

Tgt Ion: 62 Resp: 71492

Ion Ratio Lower Upper

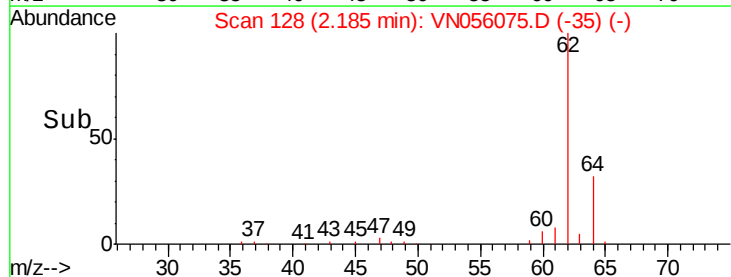
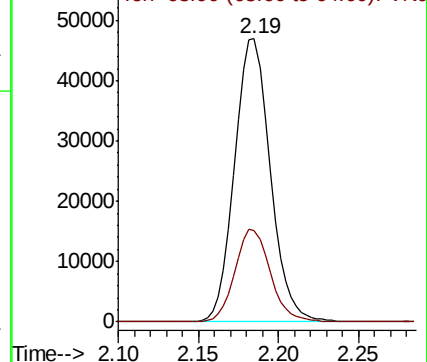
62 100

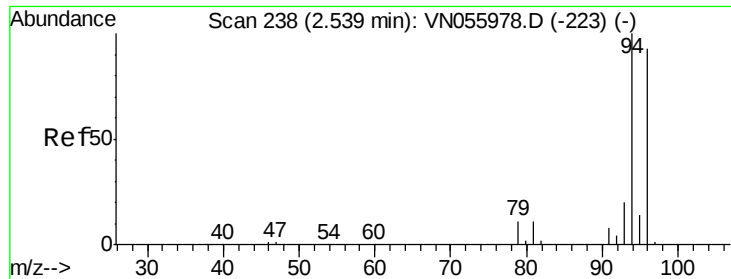
64 32.5 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 18.193 ug/l

RT: 2.53 min Scan# 236

Delta R.T. -0.01 min

Lab File: VN056075.D

Acq: 7 Jun 2019 4:19

Instrument :

MSVOA_N

ClientSampleId :

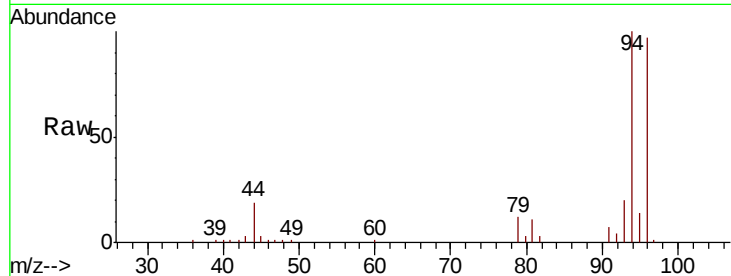
VN0607WBS02

Tot Ion: 94 Resp: 36479

Ion Ratio Lower Upper

94 100

96 96.9 75.5 113.3



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.53

20000

15000

10000

5000

0

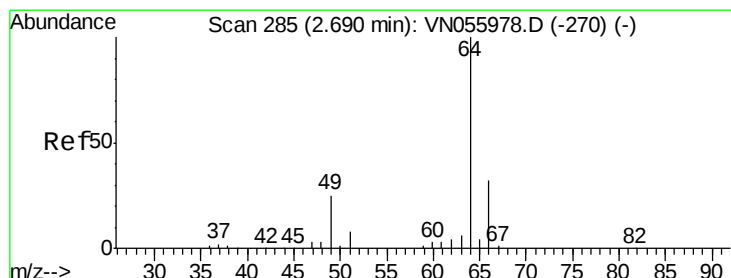
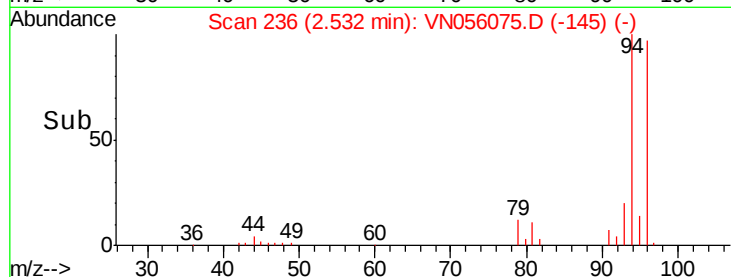
Time-->

2.45

2.50

2.55

2.60



#6

Chloroethane

Concen: 22.365 ug/l

RT: 2.69 min Scan# 284

Delta R.T. -0.00 min

Lab File: VN056075.D

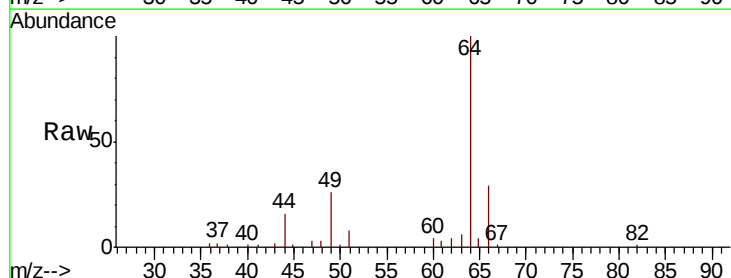
Acq: 7 Jun 2019 4:19

Tgt Ion: 64 Resp: 41162

Ion Ratio Lower Upper

64 100

66 29.2 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.69

20000

15000

10000

5000

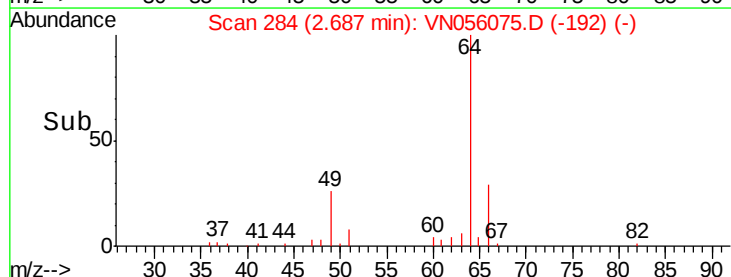
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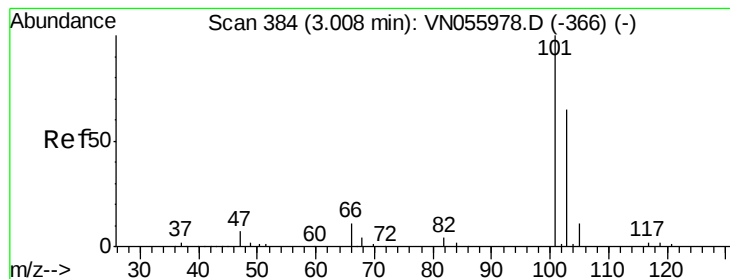
Time-->

2.60

2.70

2.80



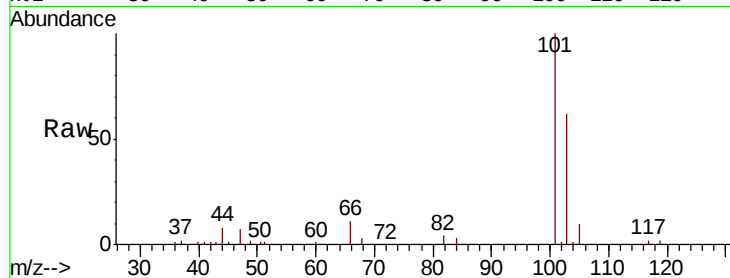


#7

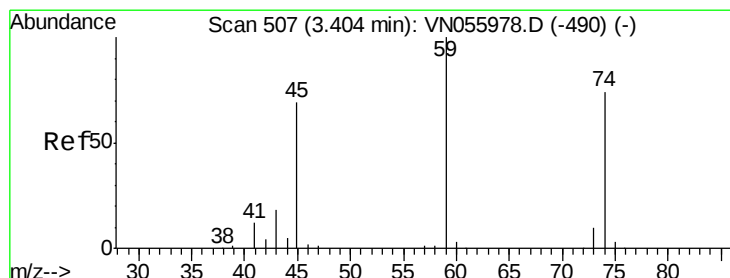
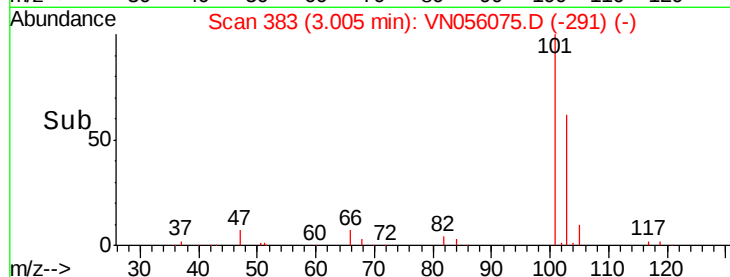
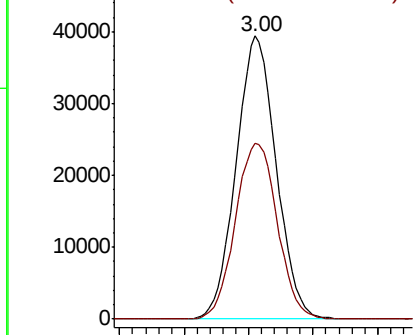
Trichlorofluoromethane
 Concen: 20.999 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. -0.00 min
 Lab File: VN056075.D
 Acq: 7 Jun 2019 4:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0607WBS02

Tot Ion:101 Resp: 85095
 Ion Ratio Lower Upper
 101 100
 103 62.1 51.2 76.8



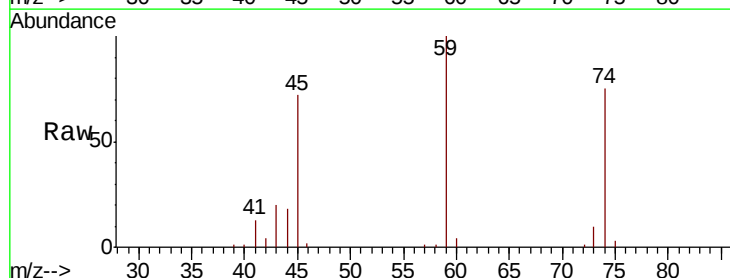
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



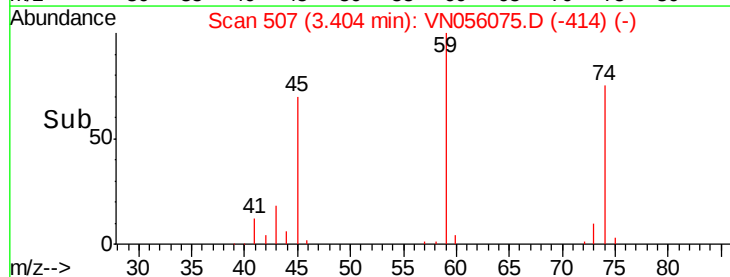
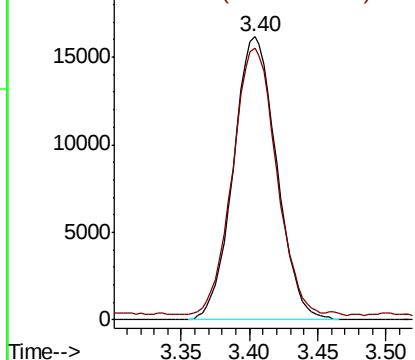
#8

Diethyl Ether
 Concen: 21.326 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. 0.00 min
 Lab File: VN056075.D
 Acq: 7 Jun 2019 4:19

Tgt Ion: 74 Resp: 35538
 Ion Ratio Lower Upper
 74 100
 45 94.4 48.6 145.9



Abundance Ion 74.00 (73.70 to 74.70): VNO
 Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.685 ug/l

RT: 3.74 min Scan# 613

Delta R.T. 0.00 min

Lab File: VN056075.D

Acq: 7 Jun 2019 4:19

Instrument :

MSVOA_N

ClientSampleId :

VN0607WBS02

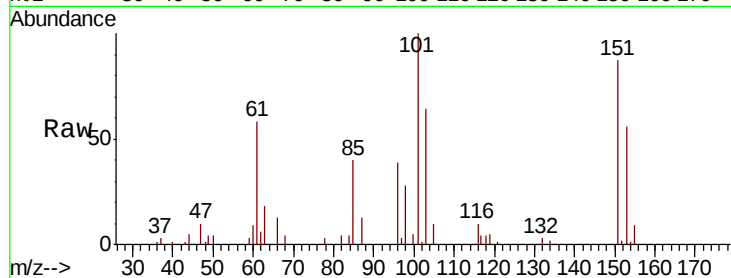
Tot Ion:101 Resp: 50917

Ion Ratio Lower Upper

101 100

85 42.1 33.4 50.2

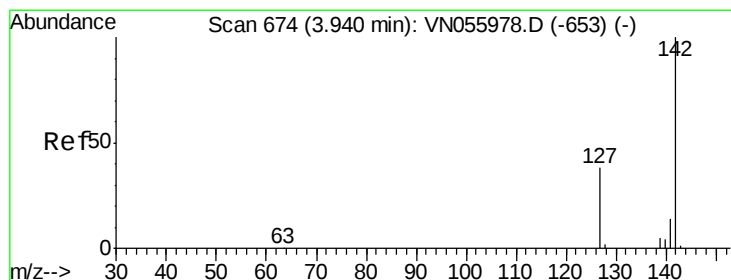
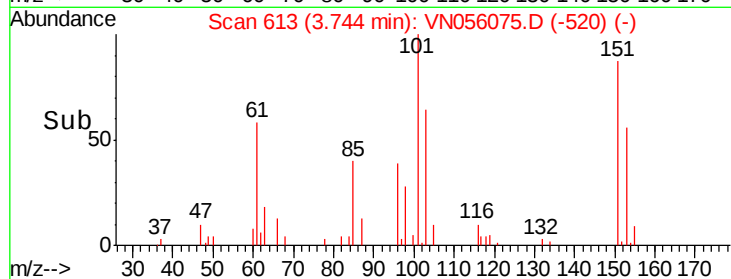
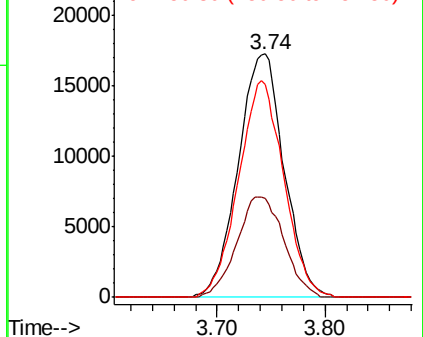
151 87.5 69.4 104.2



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: 13.449 ug/l

RT: 3.94 min Scan# 673

Delta R.T. -0.00 min

Lab File: VN056075.D

Acq: 7 Jun 2019 4:19

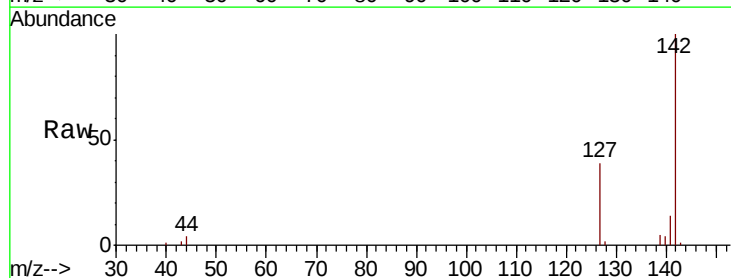
Tgt Ion:142 Resp: 52611

Ion Ratio Lower Upper

142 100

127 38.5 31.0 46.4

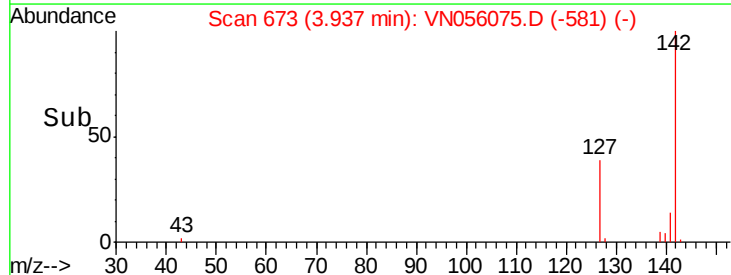
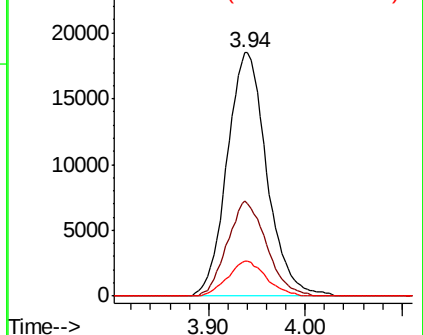
141 14.1 11.4 17.0



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



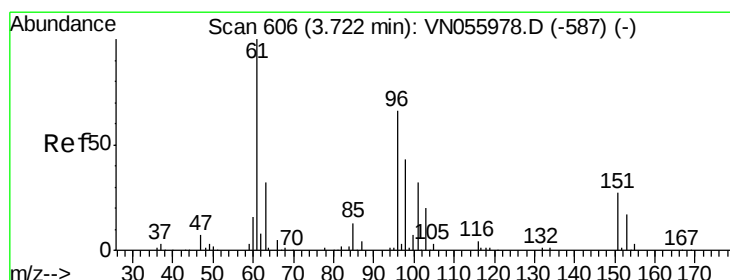
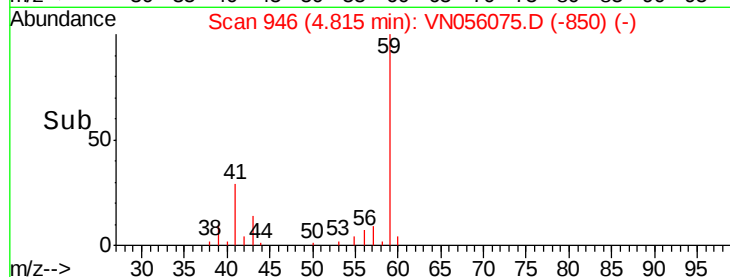
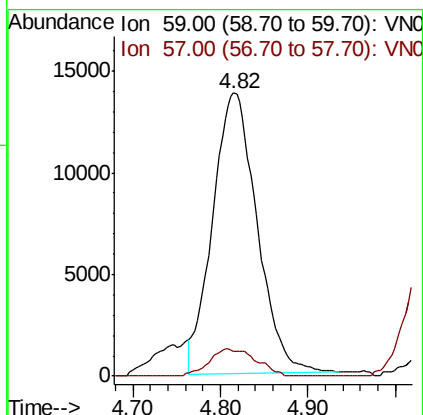
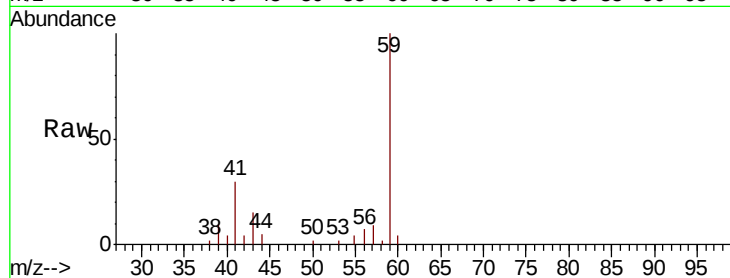


#11

Tert butyl alcohol
 Concen: 96.926 ug/l
 RT: 4.82 min Scan# 946
 Delta R.T. 0.01 min
 Lab File: VN056075.D
 Acq: 7 Jun 2019 4:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0607WBS02

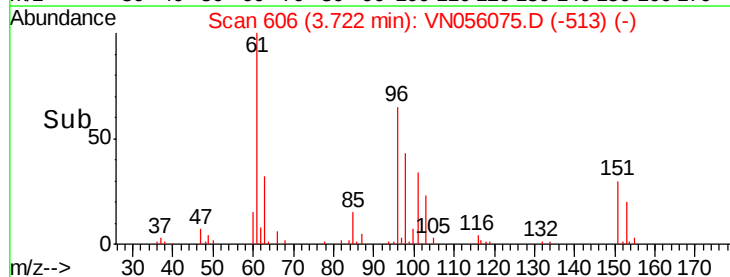
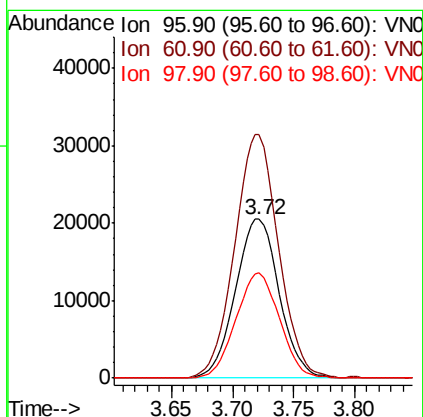
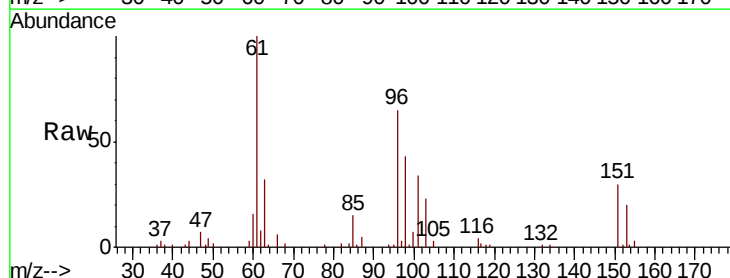
Tot Ion: 59 Resp: 48891
 Ion Ratio Lower Upper
 59 100
 57 10.2 7.8 11.6

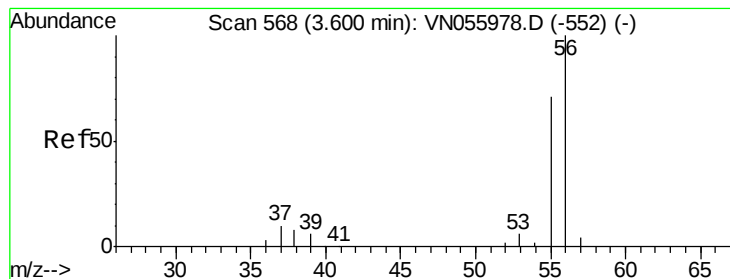


#12

1,1-Dichloroethene
 Concen: 20.777 ug/l
 RT: 3.72 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VN056075.D
 Acq: 7 Jun 2019 4:19

Tgt Ion: 96 Resp: 50918
 Ion Ratio Lower Upper
 96 100
 61 153.2 123.2 184.8
 98 66.0 50.4 75.6





#13

Acrolein

Concen: 81.278 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN056075.D

Acq: 7 Jun 2019 4:19

Instrument :

MSVOA_N

ClientSampleId :

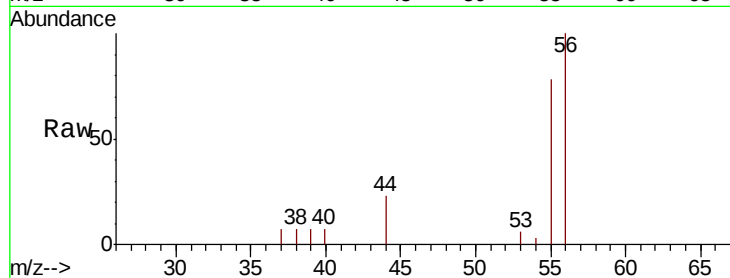
VN0607WBS02

Tot Ion: 56 Resp: 11824

Ion Ratio Lower Upper

56 100

55 72.4 55.4 83.2



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.60

5000

4000

3000

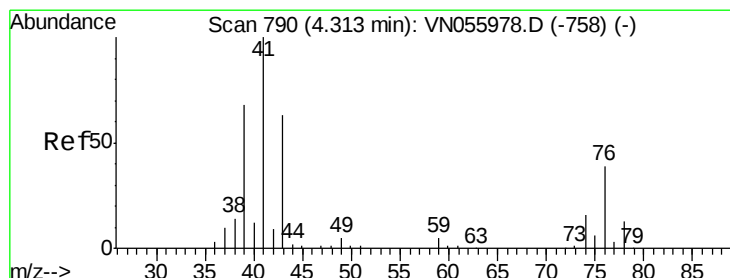
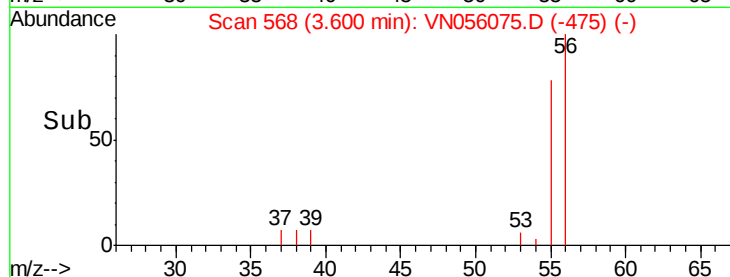
2000

1000

0

Time-->

3.50 3.55 3.60 3.65 3.70



#14

Allyl chloride

Concen: 19.280 ug/l

RT: 4.31 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN056075.D

Acq: 7 Jun 2019 4:19

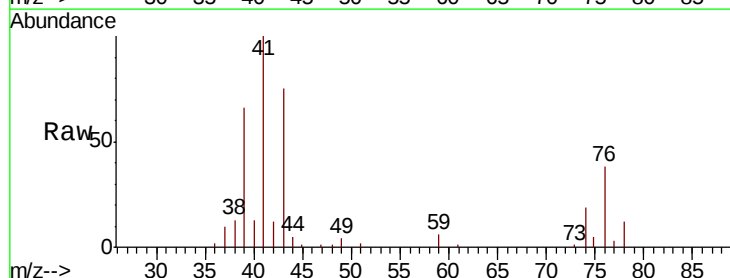
Tgt Ion: 41 Resp: 74607

Ion Ratio Lower Upper

41 100

39 62.1 50.0 75.0

76 33.8 28.2 42.2



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

4.31

30000

25000

20000

15000

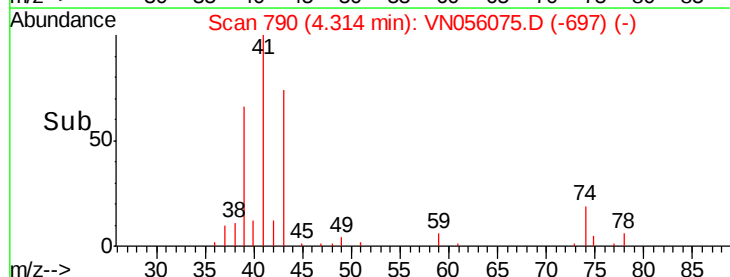
10000

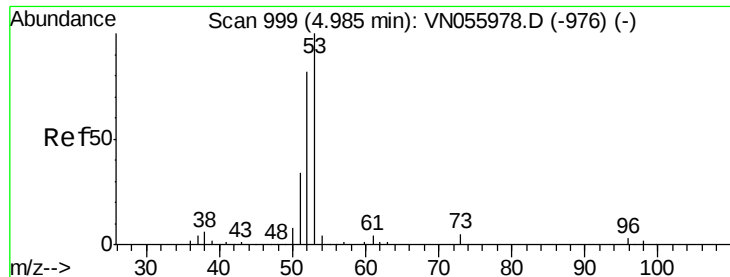
5000

0

Time-->

4.20 4.30 4.40





#15

Acrylonitrile

Concen: 119.616 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VN056075.D

Acq: 7 Jun 2019 4:19

Instrument :

MSVOA_N

ClientSampleId :

VN0607WBS02

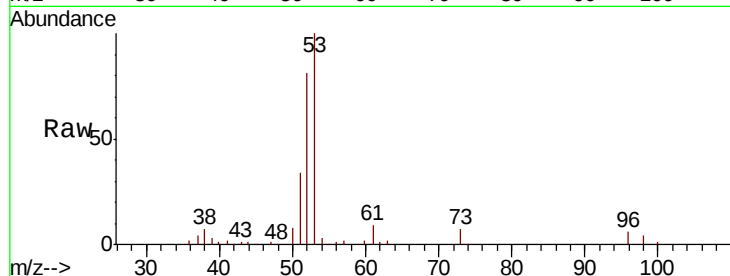
Tot Ion: 53 Resp: 146875

Ion Ratio Lower Upper

53 100

52 82.1 65.8 98.8

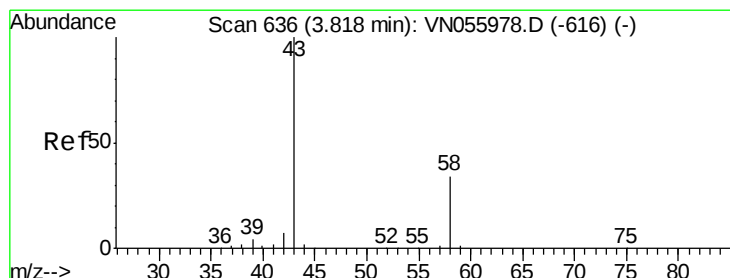
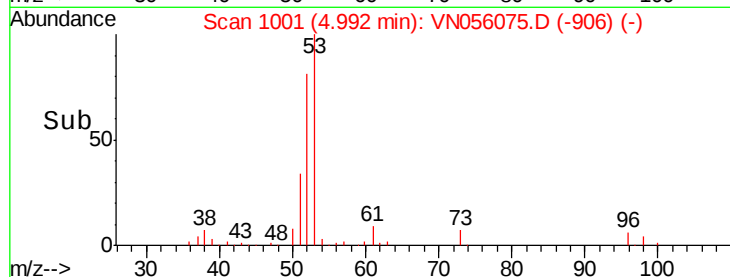
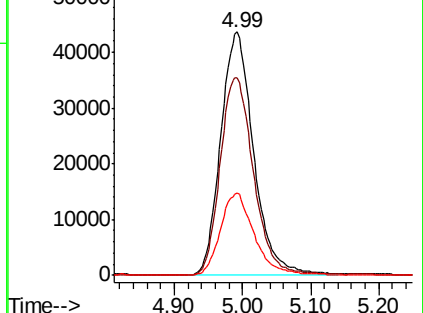
51 34.4 28.2 42.4



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 86.124 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN056075.D

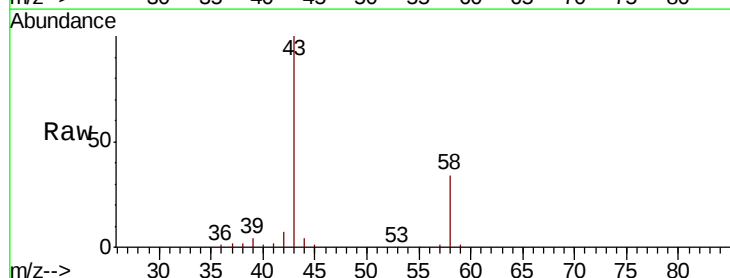
Acq: 7 Jun 2019 4:19

Tgt Ion: 43 Resp: 119394

Ion Ratio Lower Upper

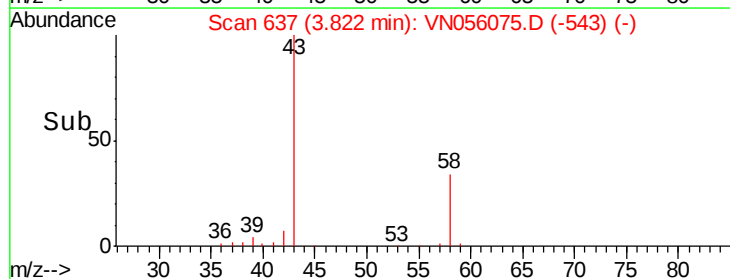
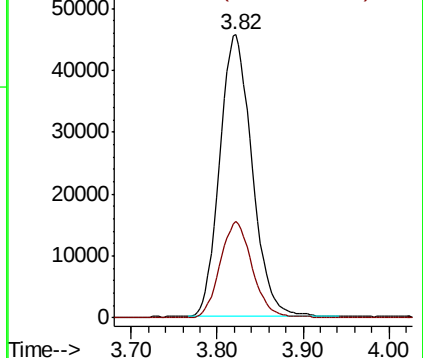
43 100

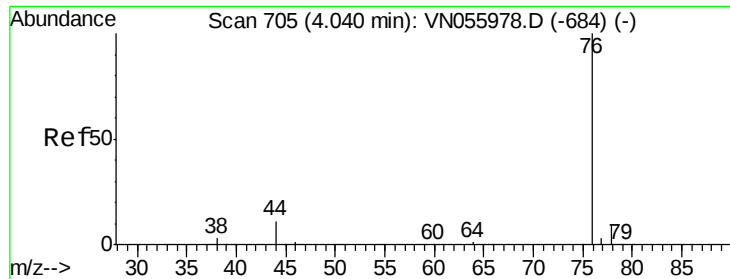
58 34.3 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 17.647 ug/l

RT: 4.04 min Scan# 704

Delta R.T. -0.00 min

Lab File: VN056075.D

Acq: 7 Jun 2019 4:19

Instrument :

MSVOA_N

ClientSampleId :

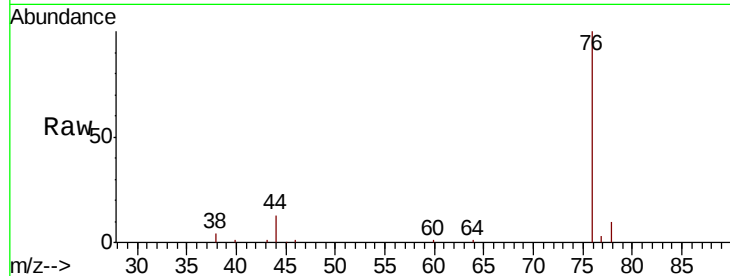
VN0607WBS02

Tot Ion: 76 Resp: 103546

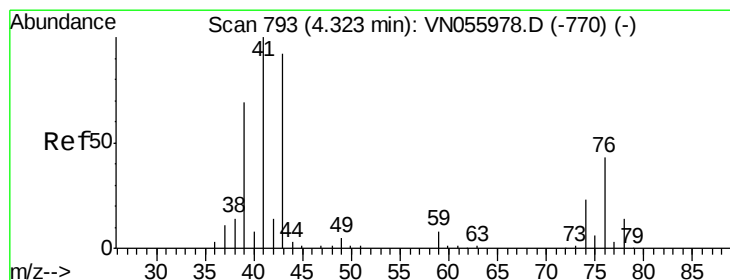
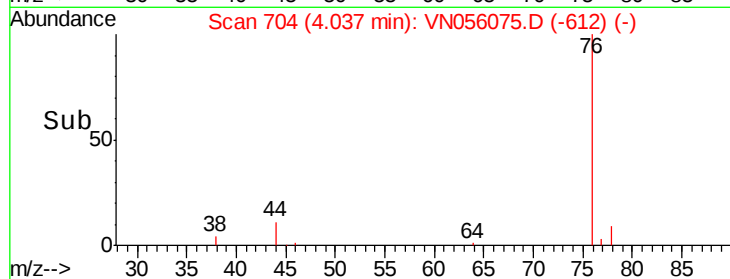
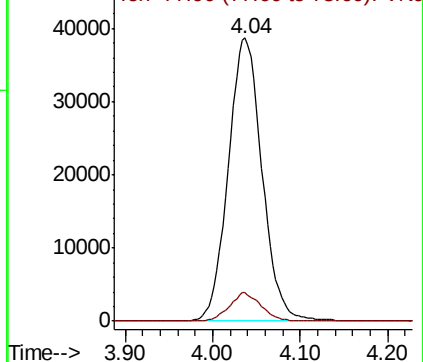
Ion Ratio Lower Upper

76 100

78 9.9 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VNO
Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 24.680 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN056075.D

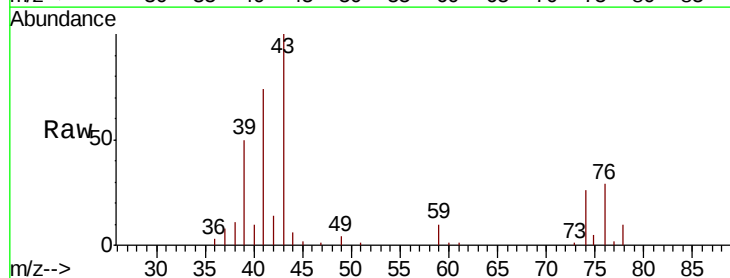
Acq: 7 Jun 2019 4:19

Tgt Ion: 43 Resp: 68004

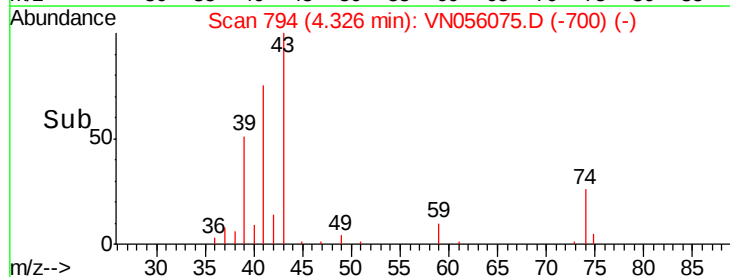
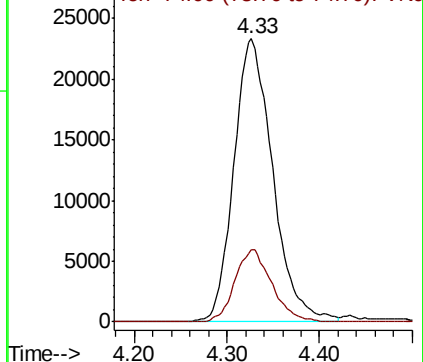
Ion Ratio Lower Upper

43 100

74 24.1 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 74.00 (73.70 to 74.70): VNO

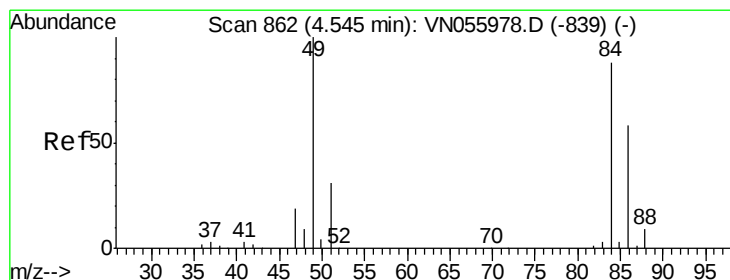
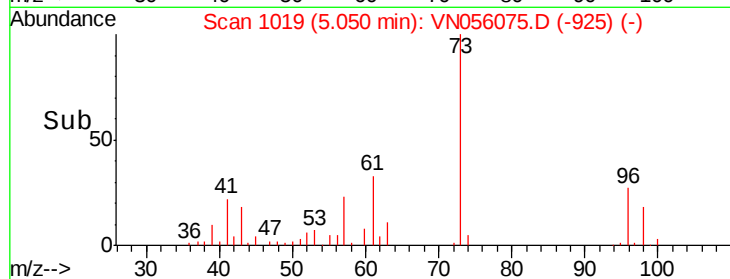
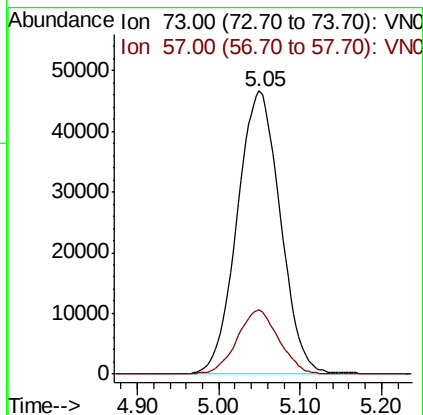
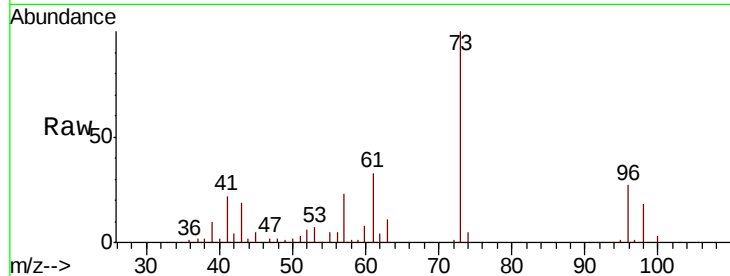




#19
Methvl tert-butvl Ether
Concen: 21.867 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN056075.D
Acq: 7 Jun 2019 4:19

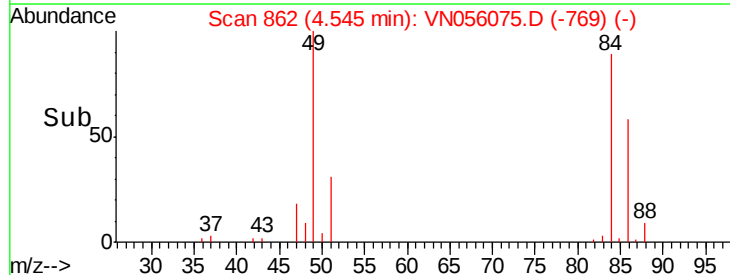
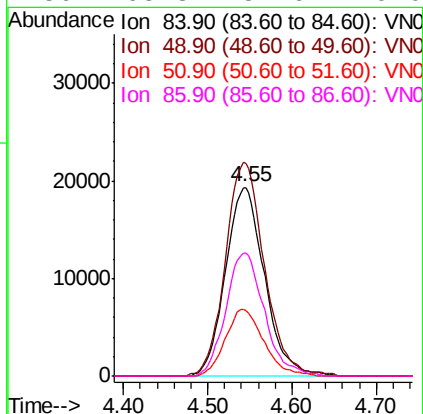
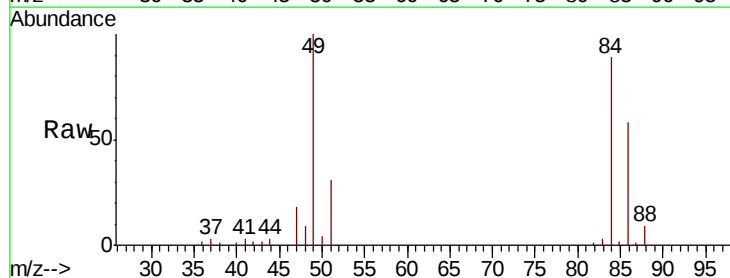
Instrument :
MSVOA_N
ClientSampleId :
VN0607WBS02

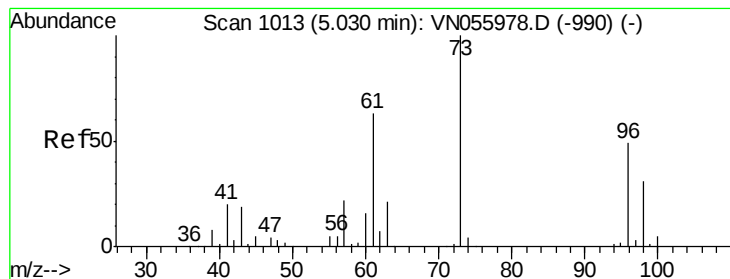
Tot Ion: 73 Resp: 170817
Ion Ratio Lower Upper
73 100
57 22.7 17.8 26.8



#20
Methylene Chloride
Concen: 21.759 ug/l
RT: 4.55 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN056075.D
Acq: 7 Jun 2019 4:19

Tgt Ion: 84 Resp: 62146
Ion Ratio Lower Upper
84 100
49 112.8 93.5 140.3
51 34.7 28.6 43.0
86 65.3 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 21.036 ug/l

RT: 5.03 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VN056075.D

Acq: 7 Jun 2019 4:19

Instrument :

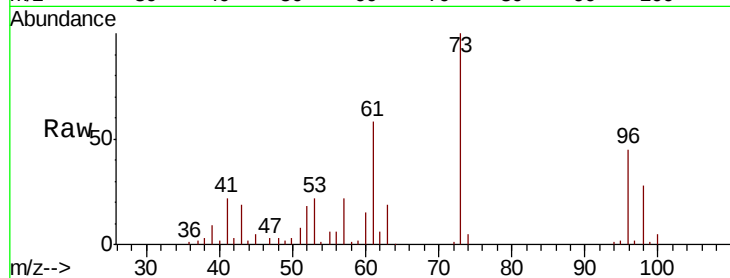
MSVOA_N

ClientSampleId :

VN0607WBS02

Tot Ion: 96 Resp: 55237

Ion	Ratio	Lower	Upper
96	100		
61	127.7	107.8	161.8
98	63.2	49.8	74.8

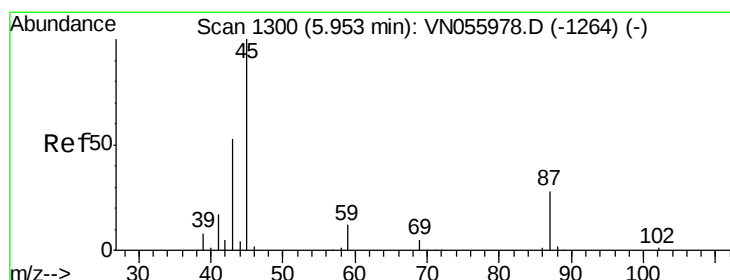
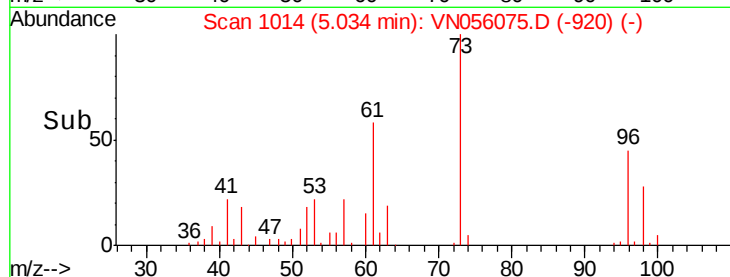
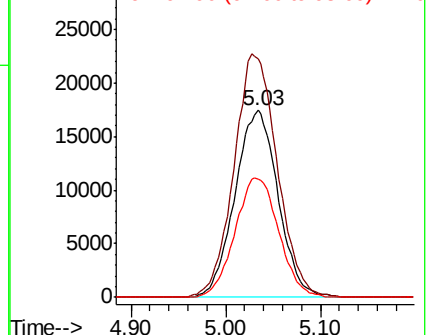


Abundance

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: 21.796 ug/l

RT: 5.96 min Scan# 1301

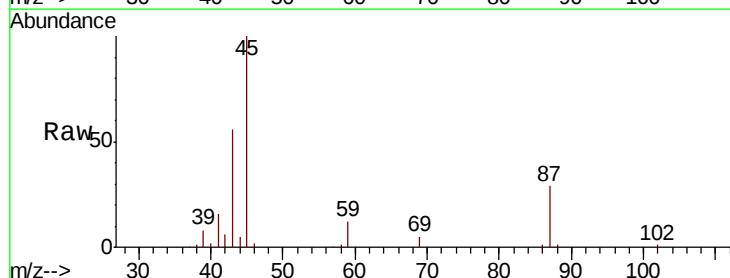
Delta R.T. 0.00 min

Lab File: VN056075.D

Acq: 7 Jun 2019 4:19

Tgt Ion: 45 Resp: 174357

Ion	Ratio	Lower	Upper
45	100		
43	54.1	45.0	67.6
87	28.5	22.2	33.4
59	11.5	9.1	13.7



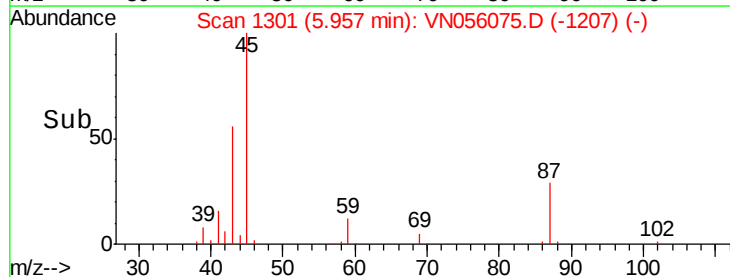
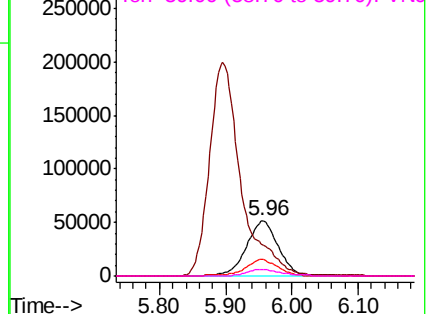
Abundance

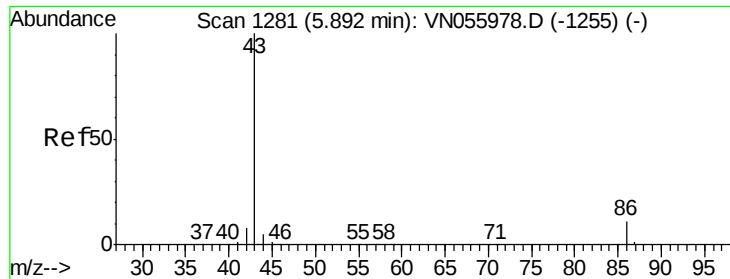
Ion 45.00 (44.70 to 45.70): VN0

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

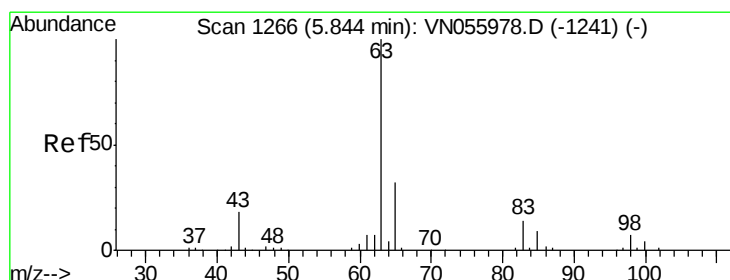
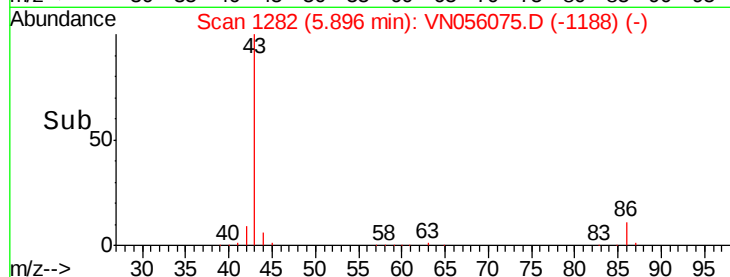
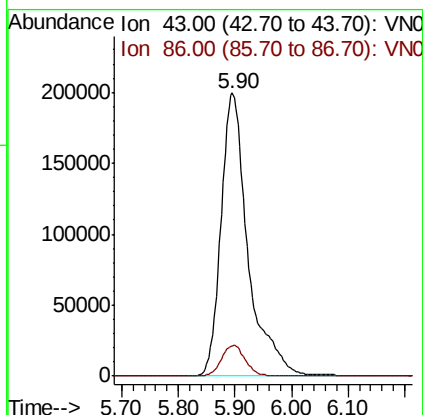
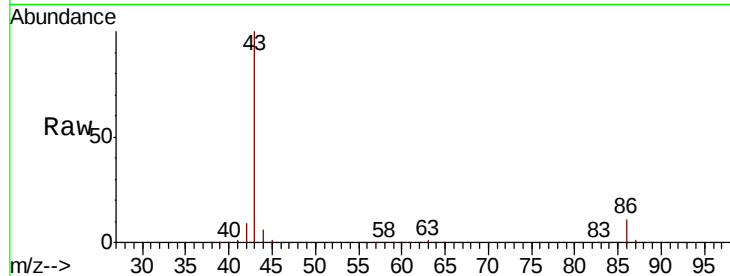




#23
 Vinyl Acetate
 Concen: 105.525 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN056075.D
 Acq: 7 Jun 2019 4:19

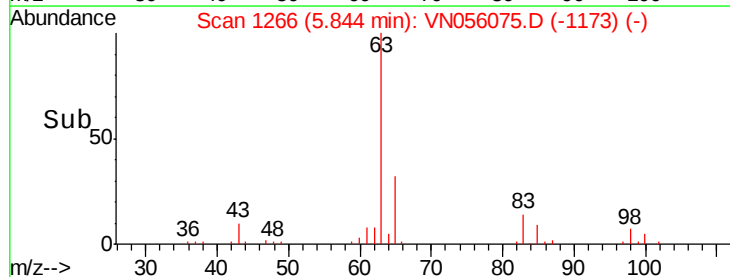
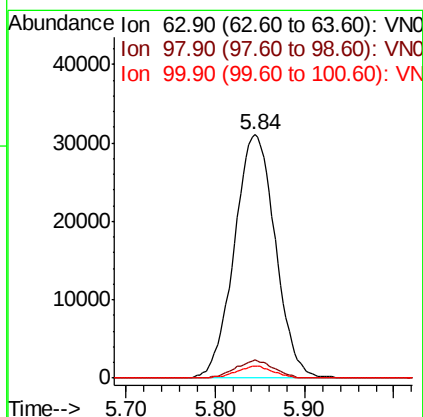
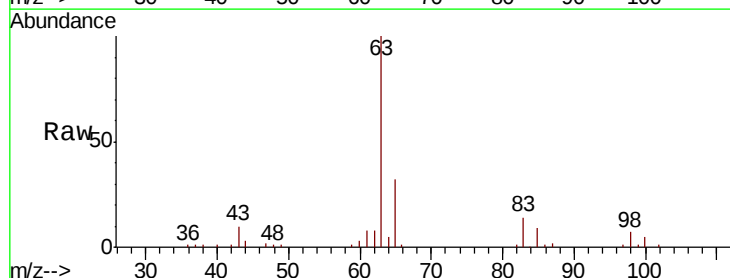
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0607WBS02

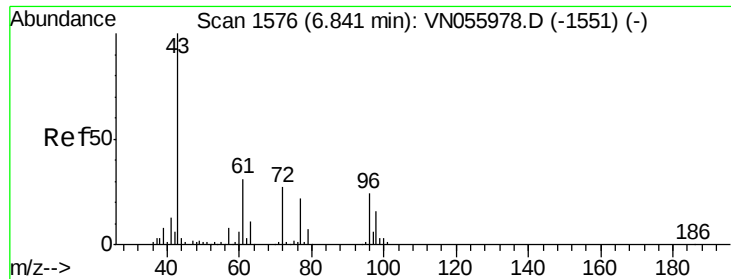
Tot Ion: 43 Resp: 664752
 Ion Ratio Lower Upper
 43 100
 86 10.8 8.6 13.0



#24
 1,1-Dichloroethane
 Concen: 21.410 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. 0.00 min
 Lab File: VN056075.D
 Acq: 7 Jun 2019 4:19

Tgt Ion: 63 Resp: 98792
 Ion Ratio Lower Upper
 63 100
 98 7.3 3.4 10.1
 100 5.1 2.2 6.6

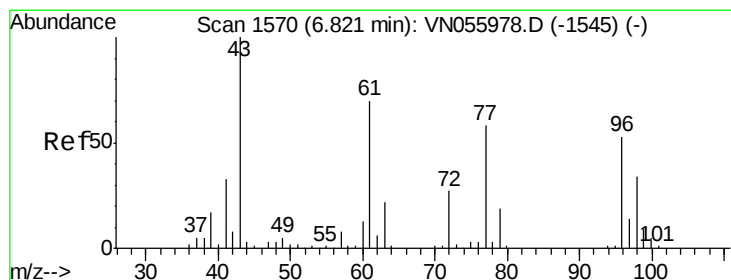
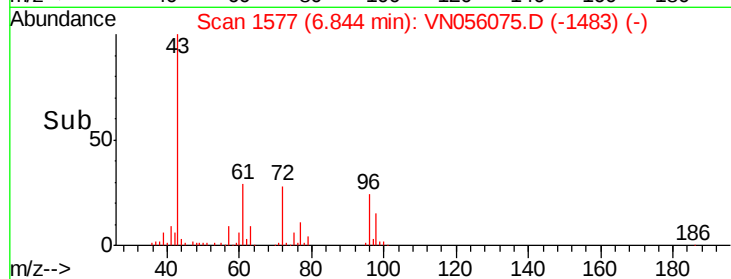
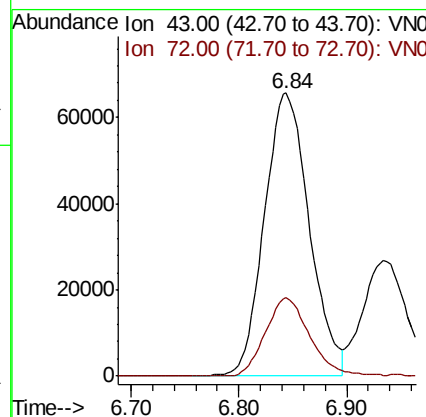
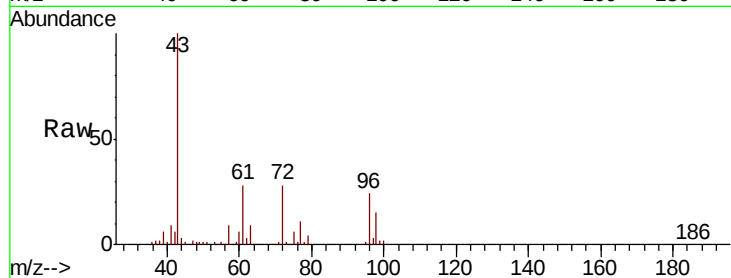




#25
2-Butanone
Concen: 108.375 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.00 min
Lab File: VN056075.D
Acq: 7 Jun 2019 4:19

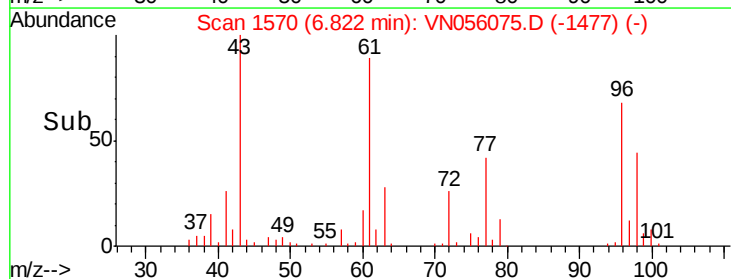
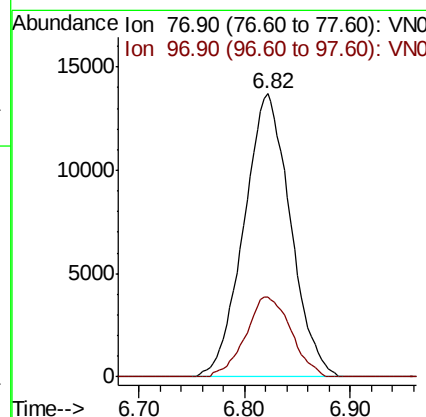
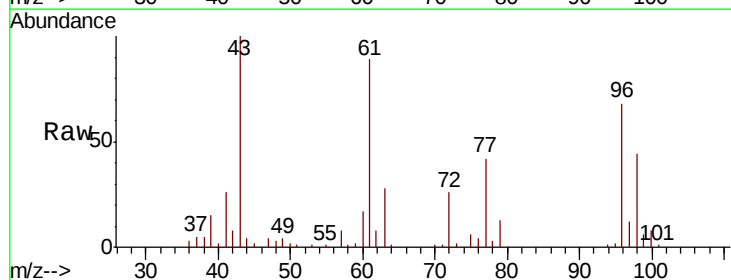
Instrument :
MSVOA_N
ClientSampled :
VN0607WBS02

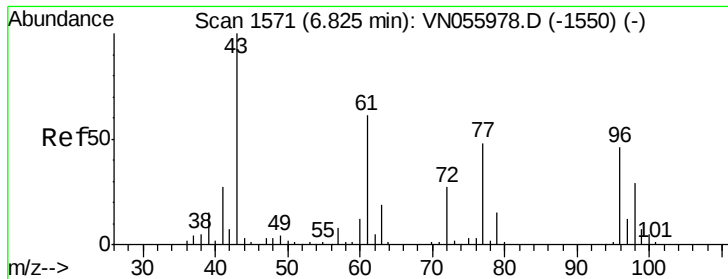
Tot Ion: 43 Resp: 189823
Ion Ratio Lower Upper
43 100
72 27.7 21.9 32.9



#26
2,2-Dichloropropane
Concen: 11.655 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. 0.00 min
Lab File: VN056075.D
Acq: 7 Jun 2019 4:19

Tgt Ion: 77 Resp: 41964
Ion Ratio Lower Upper
77 100
97 27.6 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 21.536 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN056075.D

Acq: 7 Jun 2019 4:19

Instrument :

MSVOA_N

ClientSampleId :

VN0607WBS02

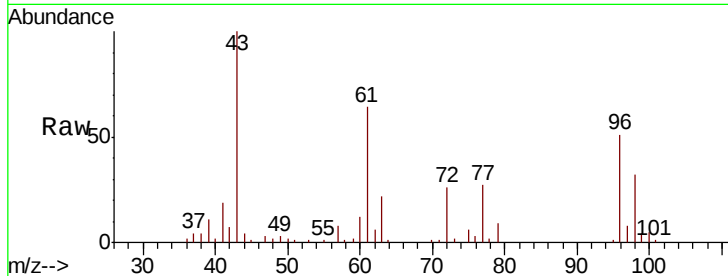
Tot Ion: 96 Resp: 66472

Ion Ratio Lower Upper

96 100

61 129.9 0.0 275.8

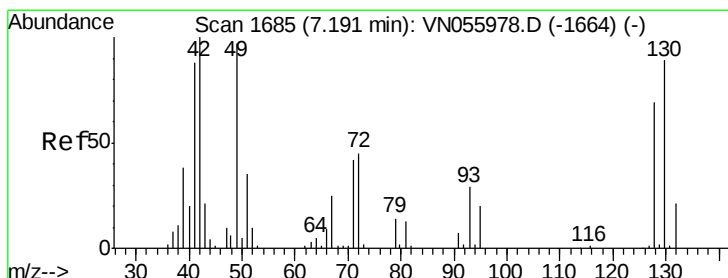
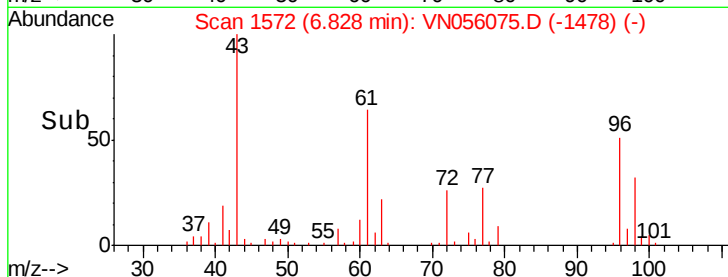
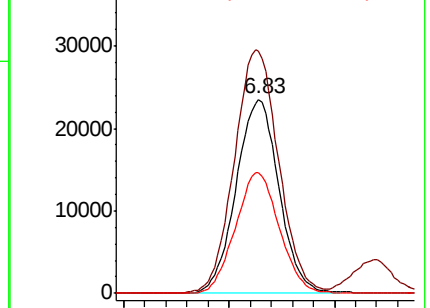
98 63.8 0.0 128.4



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 20.259 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VN056075.D

Acq: 7 Jun 2019 4:19

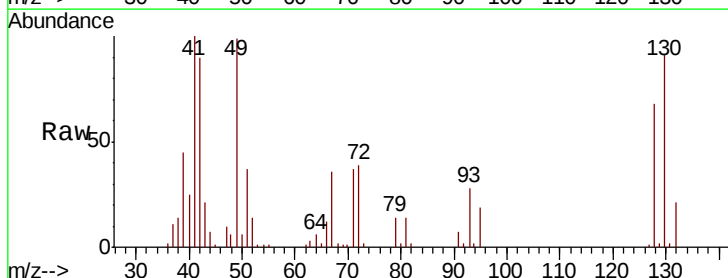
Tgt Ion: 49 Resp: 44208

Ion Ratio Lower Upper

49 100

129 1.9 0.0 4.4

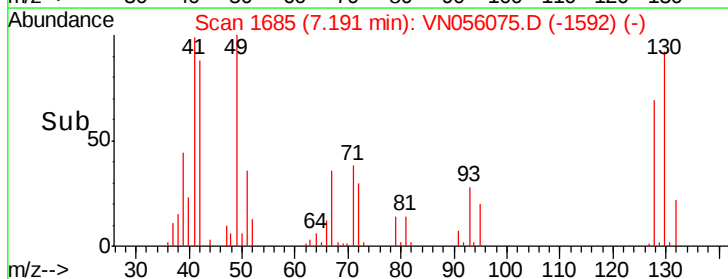
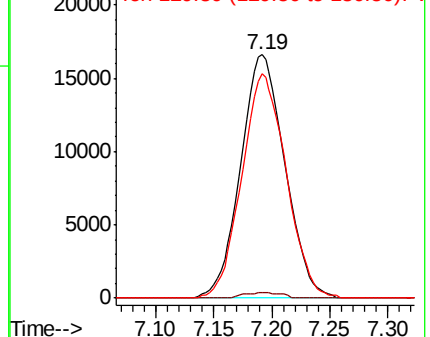
130 92.3 71.2 106.8

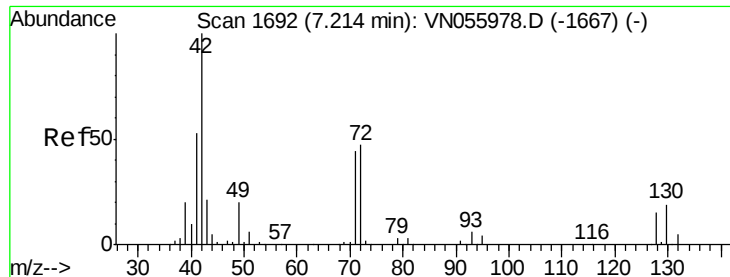


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

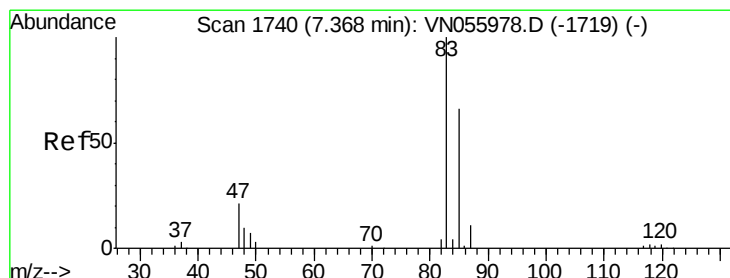
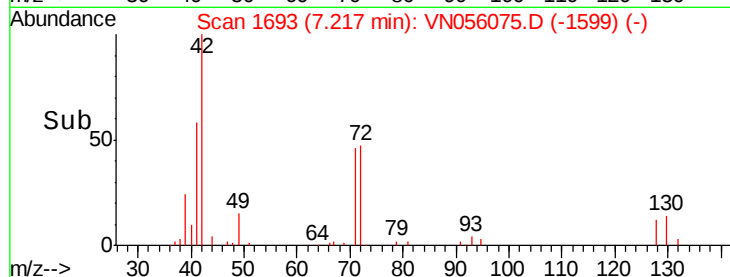
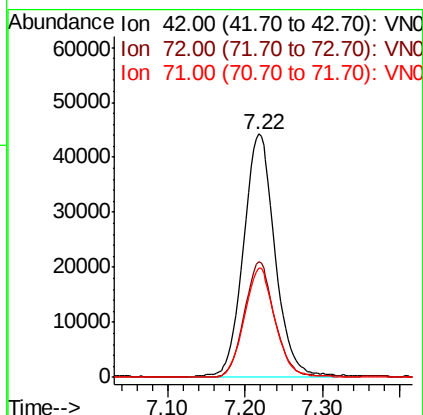
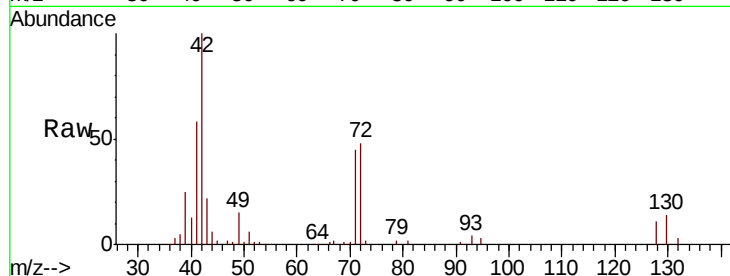




#29
Tetrahydrofuran
Concen: 116.838 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN056075.D
Acq: 7 Jun 2019 4:19

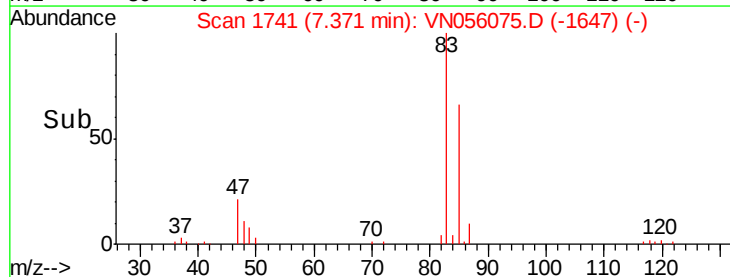
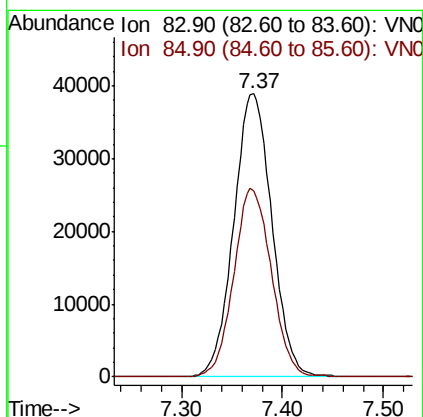
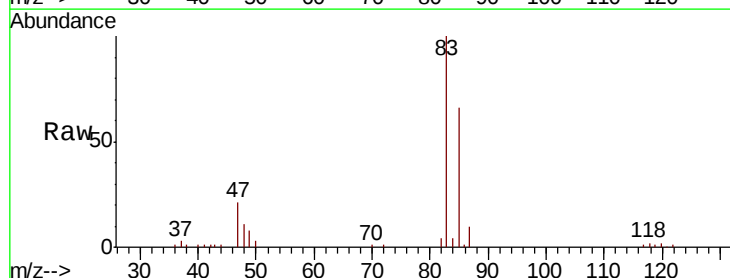
Instrument :
MSVOA_N
ClientSampleId :
VN0607WBS02

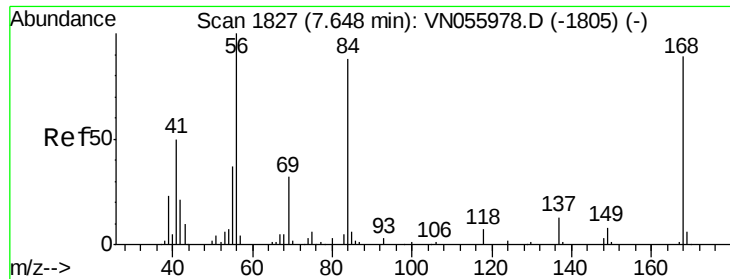
Tot Ion: 42 Resp: 126500
Ion Ratio Lower Upper
42 100
72 45.4 35.9 53.9
71 43.7 34.0 51.0



#30
Chloroform
Concen: 21.990 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056075.D
Acq: 7 Jun 2019 4:19

Tgt Ion: 83 Resp: 102072
Ion Ratio Lower Upper
83 100
85 65.6 51.8 77.8

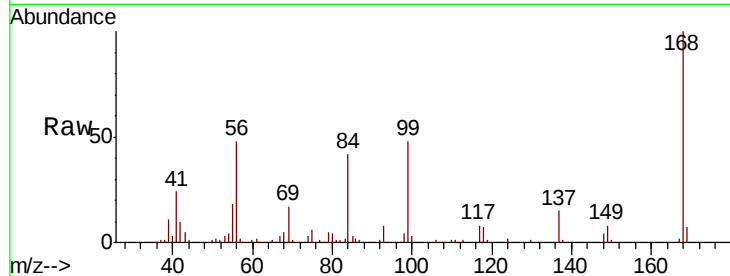




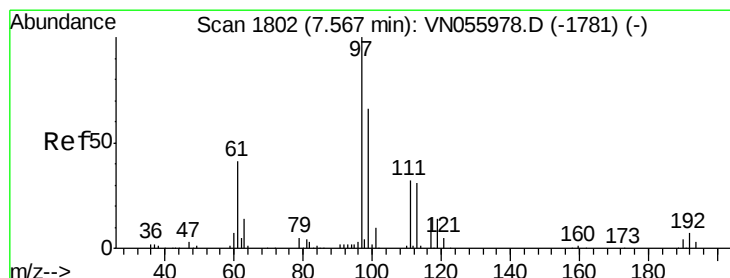
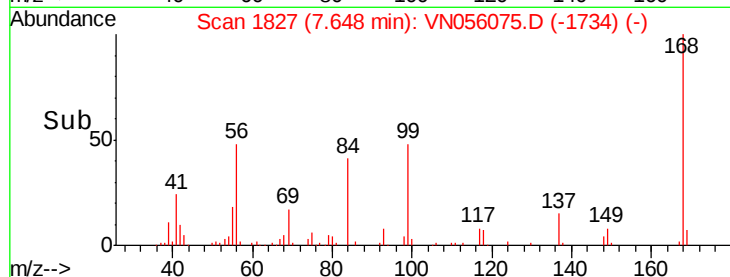
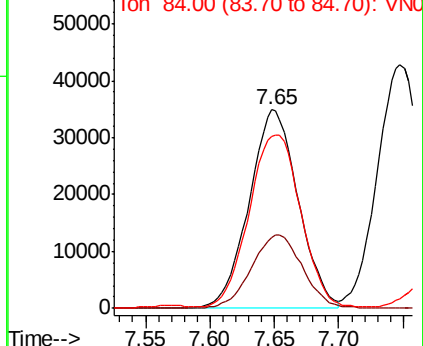
#31
Cyclohexane
Concen: 20.156 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN056075.D
Acq: 7 Jun 2019 4:19

Instrument :
MSVOA_N
ClientSampled :
VN0607WBS02

Tot Ion: 56 Resp: 92707
Ion Ratio Lower Upper
56 100
69 35.6 25.6 38.4
84 85.6 67.4 101.0

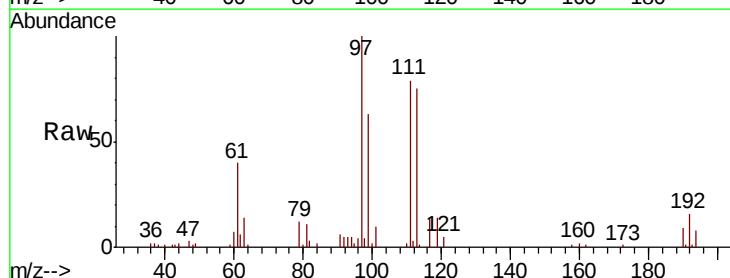


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

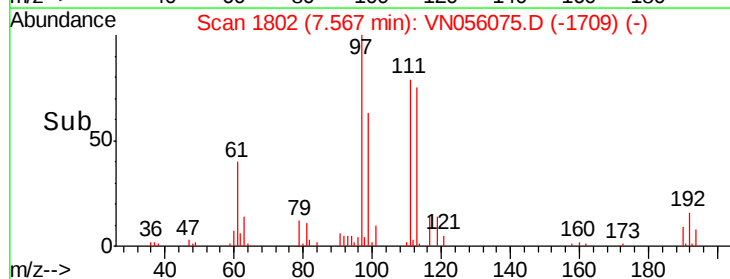
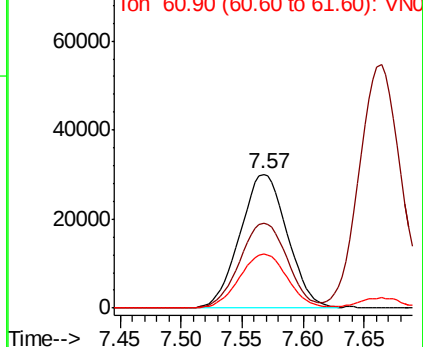


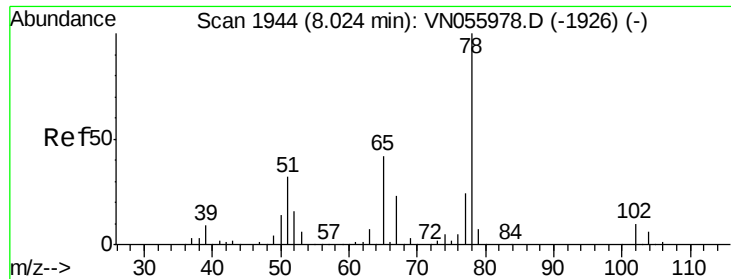
#32
1,1,1-Trichloroethane
Concen: 20.859 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN056075.D
Acq: 7 Jun 2019 4:19

Tgt Ion: 97 Resp: 80853
Ion Ratio Lower Upper
97 100
99 63.9 52.0 78.0
61 40.8 32.9 49.3



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





#33

1,2-Dichloroethane-d4

Concen: 54.363 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN056075.D

Acq: 7 Jun 2019 4:19

Instrument :

MSVOA_N

ClientSampleId :

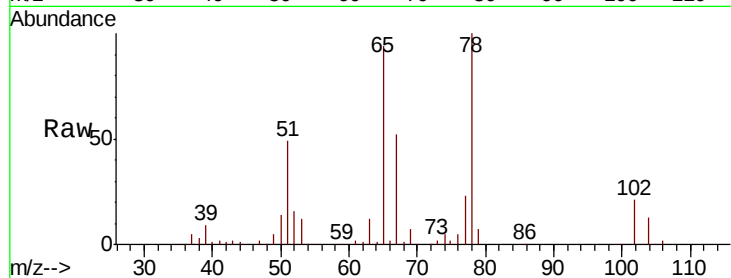
VN0607WBS02

Tot Ion: 65 Resp: 157576

Ion Ratio Lower Upper

65 100

67 55.0 0.0 109.2



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

8.03

60000

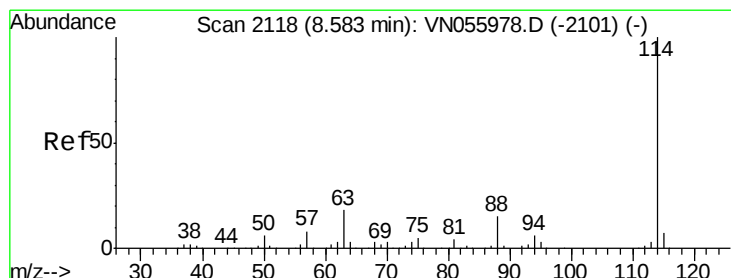
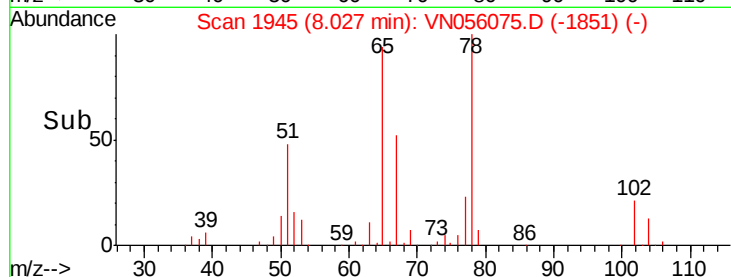
40000

20000

0

7.95 8.00 8.05 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN056075.D

Acq: 7 Jun 2019 4:19

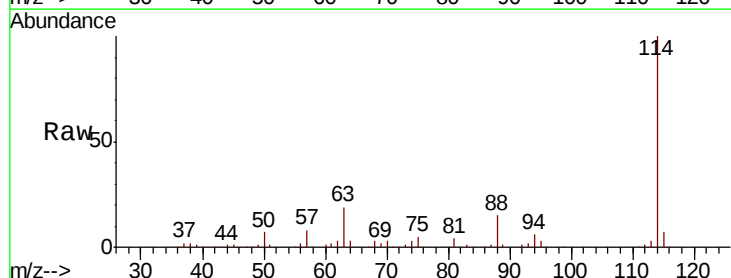
Tgt Ion: 114 Resp: 445238

Ion Ratio Lower Upper

114 100

63 18.5 0.0 39.2

88 15.1 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

250000

200000

150000

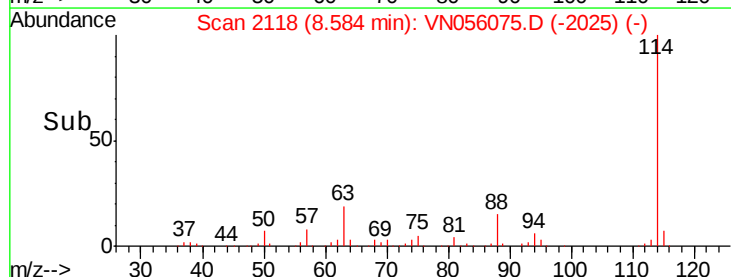
100000

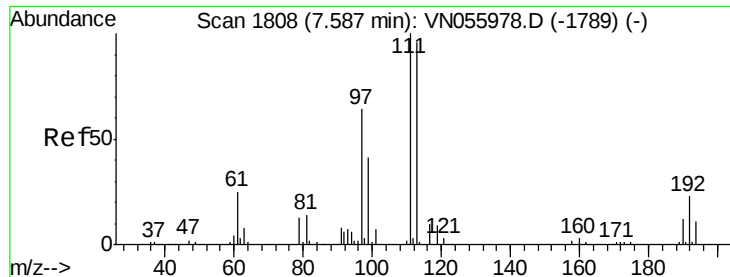
50000

0

8.50 8.60 8.70 8.80

Time-->

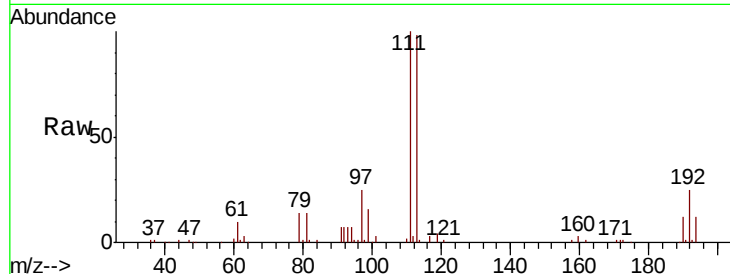




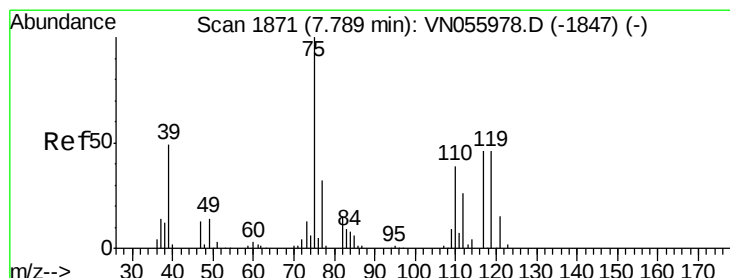
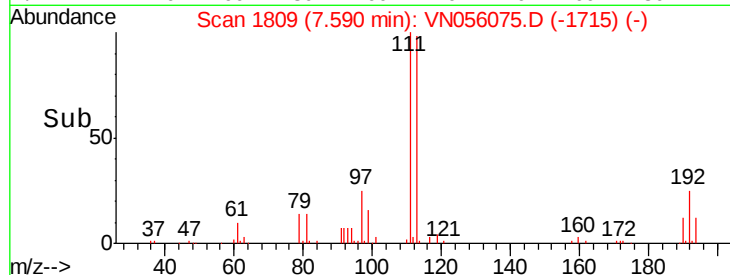
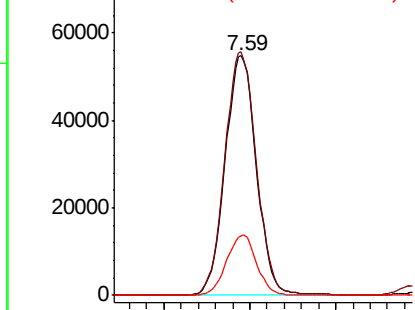
#35
 Dibromofluoromethane
 Concen: 50.662 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056075.D
 Acq: 7 Jun 2019 4:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0607WBS02

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.9	122.9
192	24.1	19.5	29.3

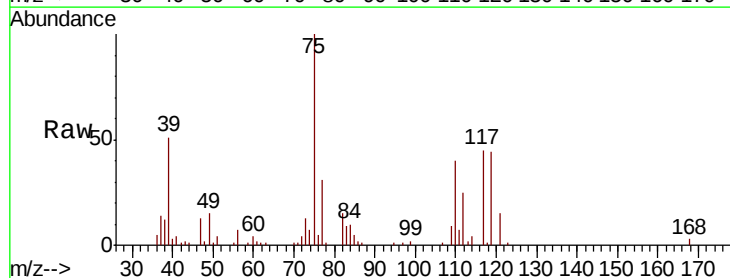


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

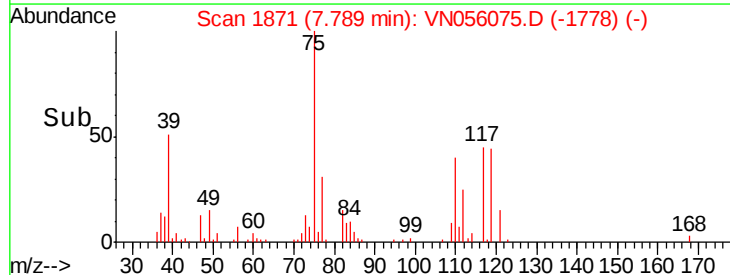
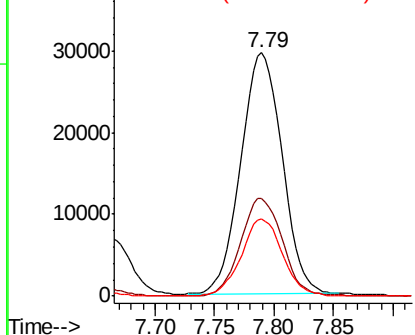


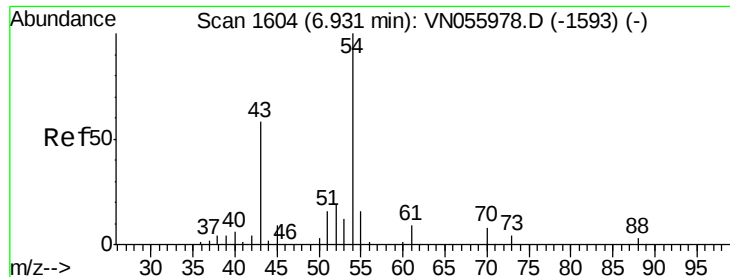
#36
 1,1-Dichloropropene
 Concen: 18.693 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN056075.D
 Acq: 7 Jun 2019 4:19

Tgt Ion	Ratio	Lower	Upper
75	100		
110	40.6	19.0	57.0
77	31.7	25.1	37.7



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

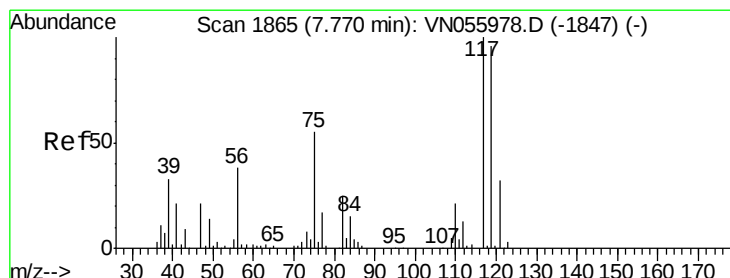
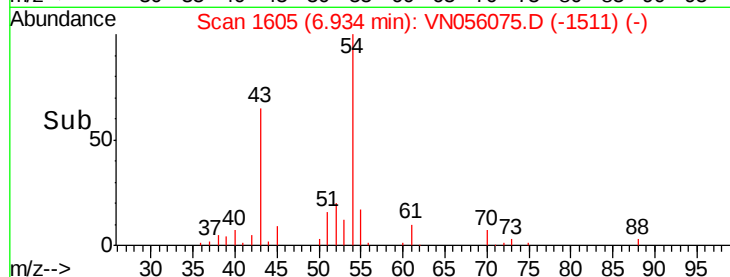
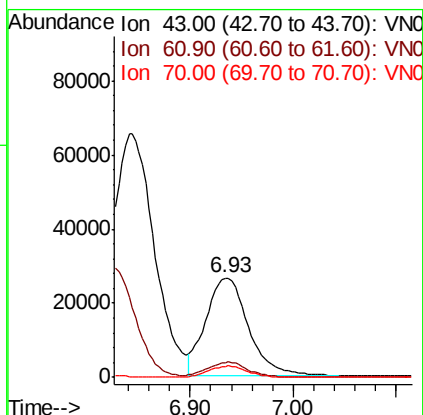
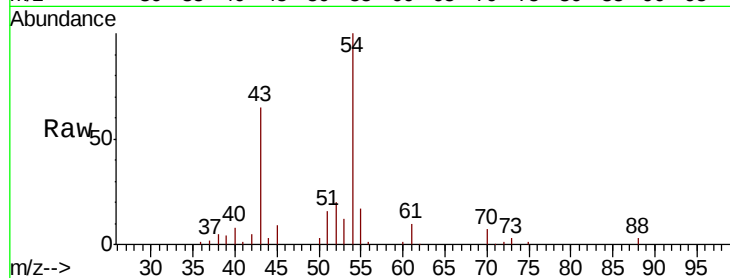




#37
Ethyl Acetate
Concen: 22.291 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN056075.D
Acq: 7 Jun 2019 4:19

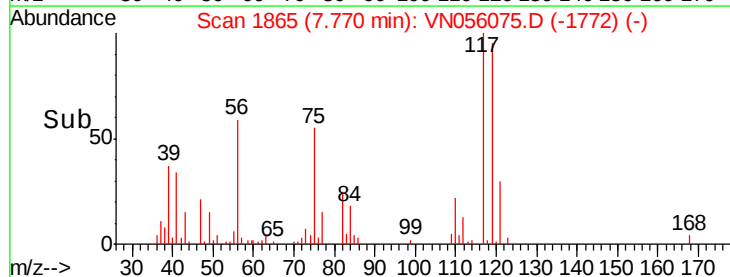
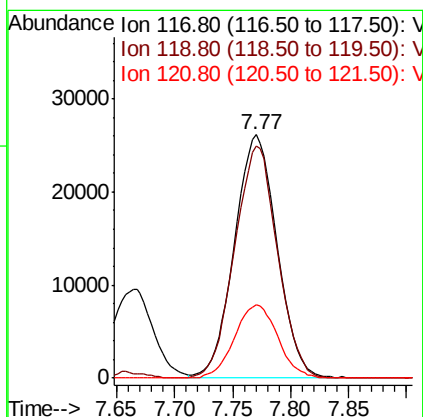
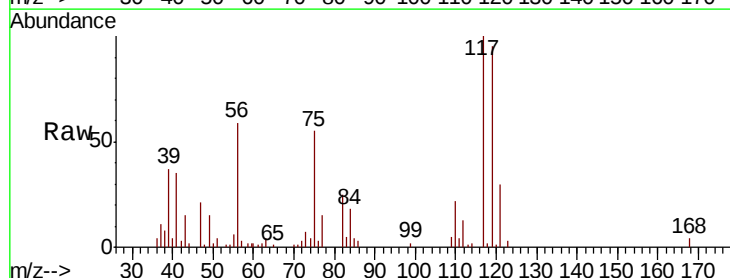
Instrument :
MSVOA_N
ClientSampleId :
VN0607WBS02

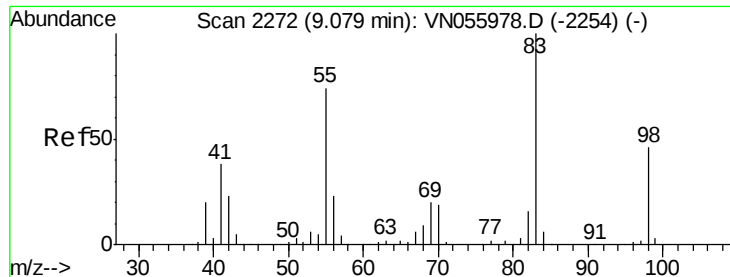
Tot Ion: 43 Resp: 75933
Ion Ratio Lower Upper
43 100
61 14.0 12.2 18.2
70 10.6 8.9 13.3



#38
Carbon Tetrachloride
Concen: 18.922 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN056075.D
Acq: 7 Jun 2019 4:19

Tgt Ion: 117 Resp: 66788
Ion Ratio Lower Upper
117 100
119 95.4 79.0 118.6
121 29.9 24.7 37.1

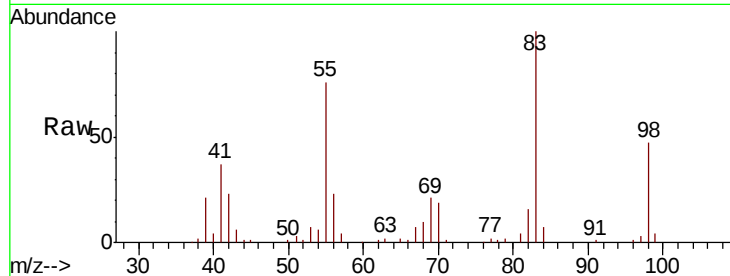




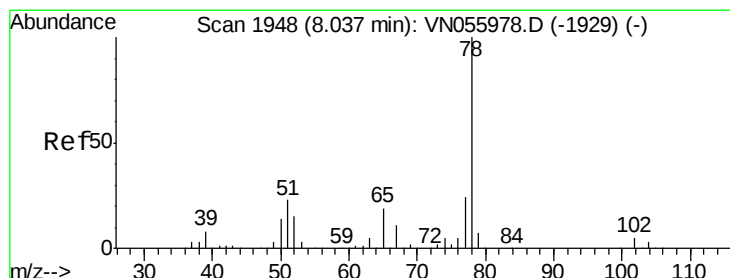
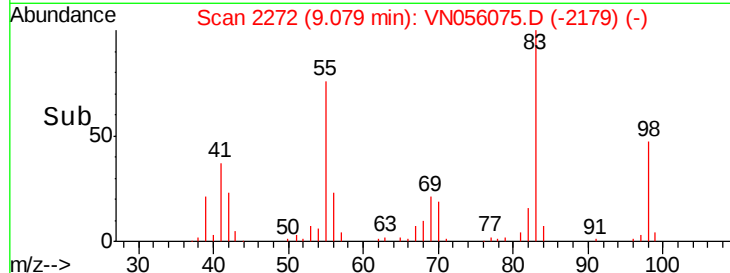
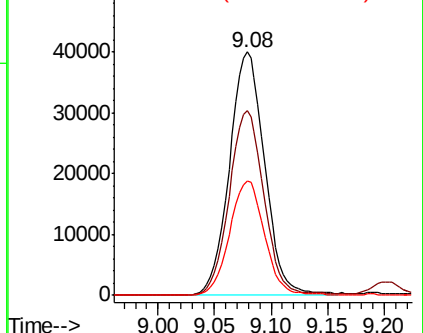
#39
Methvlcvclohexane
Concen: 18.237 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056075.D
Acq: 7 Jun 2019 4:19

Instrument :
MSVOA_N
ClientSampleId :
VN0607WBS02

Tot Ion: 83 Resp: 86974
Ion Ratio Lower Upper
83 100
55 76.1 59.3 88.9
98 46.8 36.6 54.8

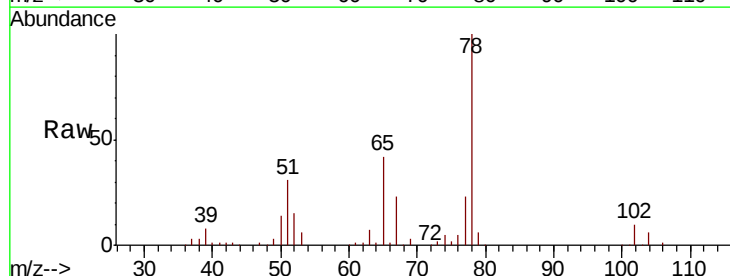


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

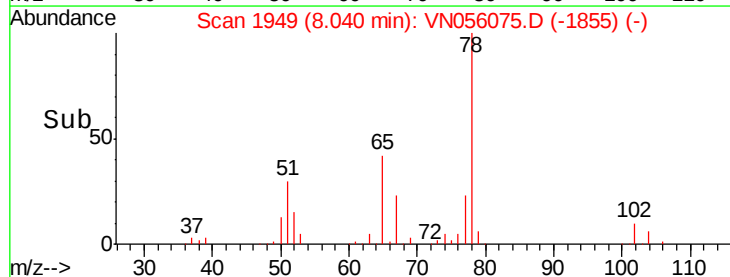
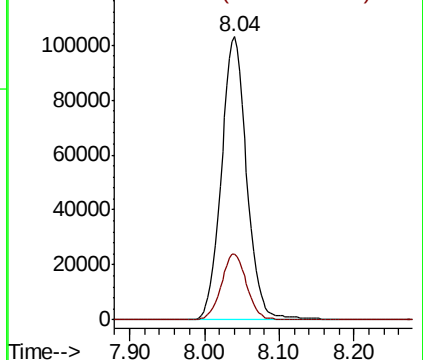


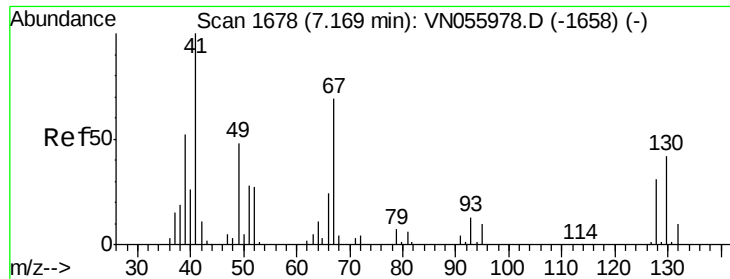
#40
Benzene
Concen: 20.747 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056075.D
Acq: 7 Jun 2019 4:19

Tgt Ion: 78 Resp: 241242
Ion Ratio Lower Upper
78 100
77 23.4 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

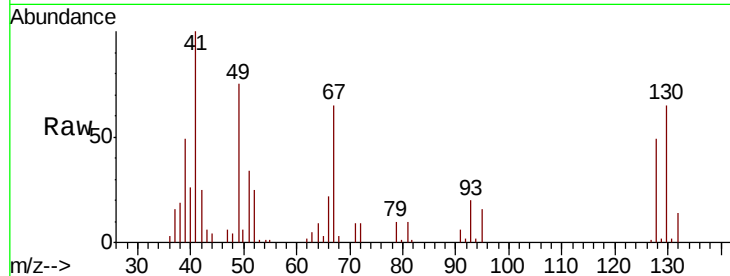




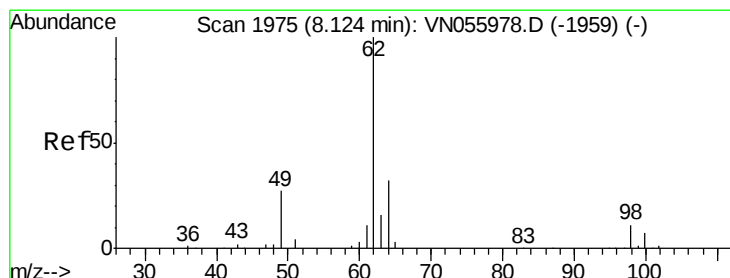
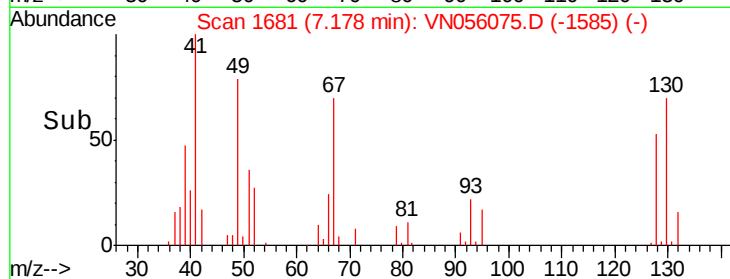
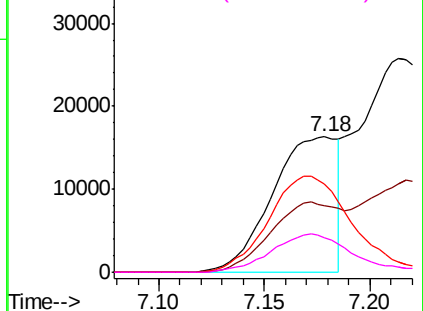
#41
Methacrylonitrile
Concen: 22.400 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VN056075.D
Acq: 7 Jun 2019 4:19

Instrument :
MSVOA_N
ClientSampleId :
VN0607WBS02

Tot Ion:	41	Resp:	35106
Ion	Ratio	Lower	Upper
41	100		
39	55.6	45.6	68.4
67	90.6	67.7	101.5
52	34.8	26.6	40.0

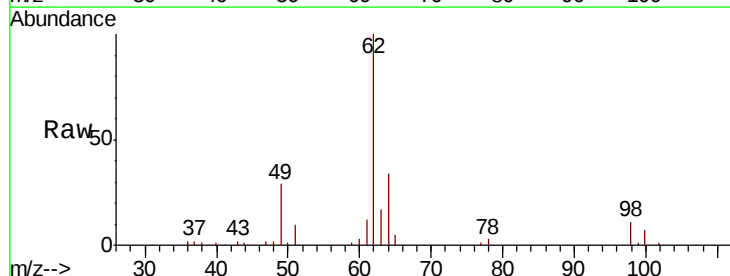


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

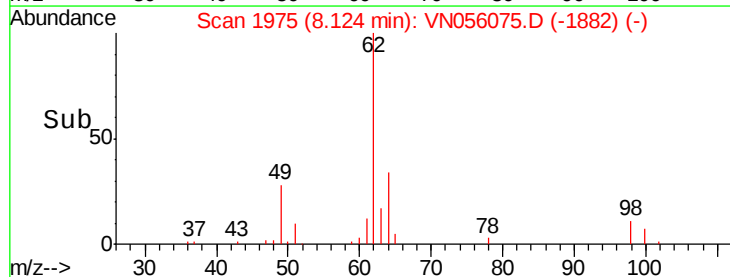
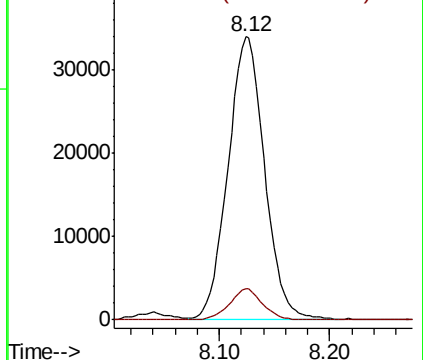


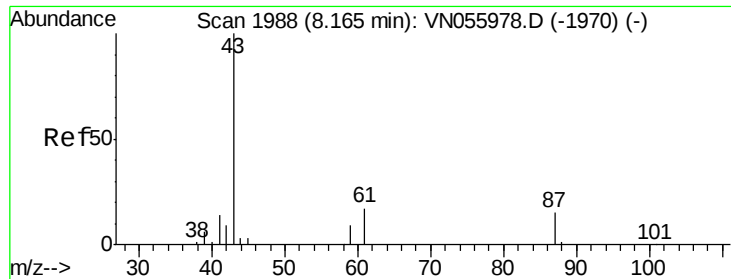
#42
1,2-Dichloroethane
Concen: 20.922 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056075.D
Acq: 7 Jun 2019 4:19

Tgt Ion:	62	Resp:	78253
Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	20.2



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





#43

Isopropyl Acetate

Concen: 20.808 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056075.D

Acq: 7 Jun 2019 4:19

Instrument :

MSVOA_N

ClientSampleId :

VN0607WBS02

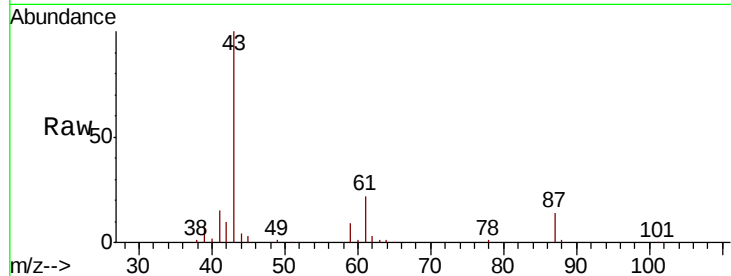
Tot Ion: 43 Resp: 114857

Ion Ratio Lower Upper

43 100

61 21.8 22.2 33.4#

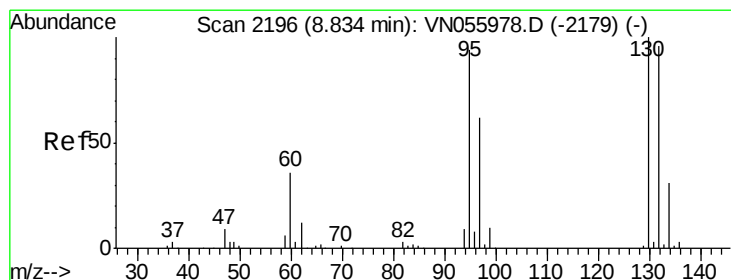
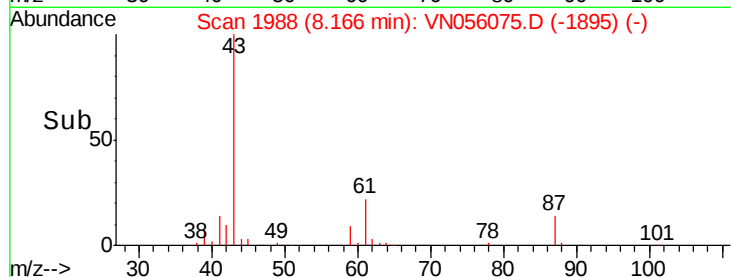
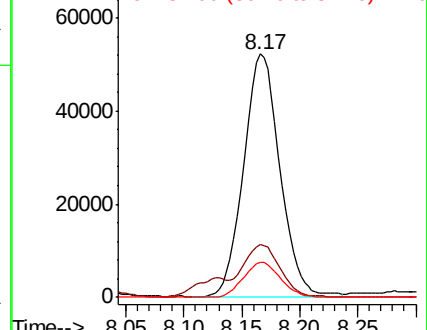
87 14.5 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VN055978.D (-1970) (-)

Ion 61.00 (60.70 to 61.70): VN055978.D (-1970) (-)

Ion 87.00 (86.70 to 87.70): VN055978.D (-1970) (-)



#44

Trichloroethene

Concen: 20.228 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN056075.D

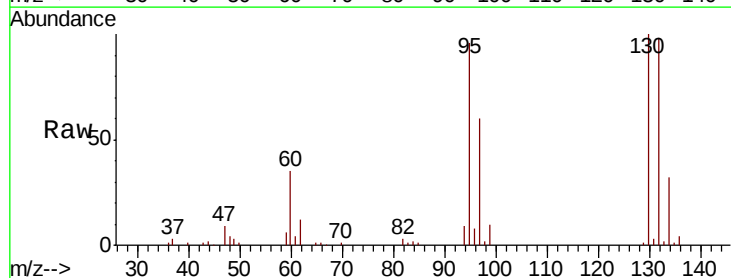
Acq: 7 Jun 2019 4:19

Tgt Ion: 130 Resp: 67586

Ion Ratio Lower Upper

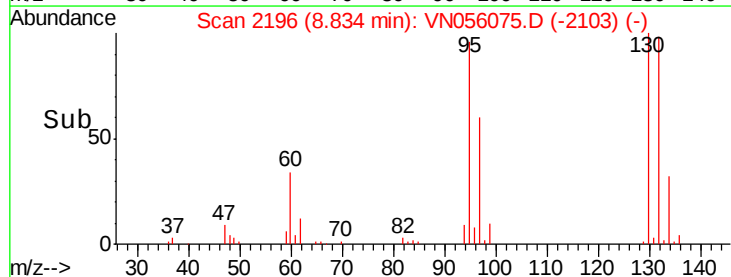
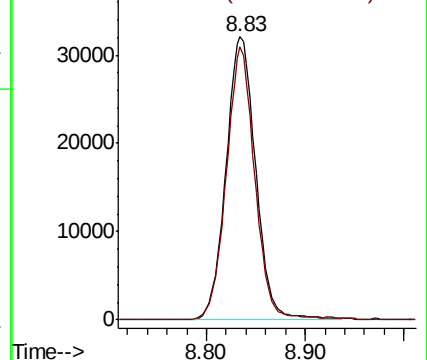
130 100

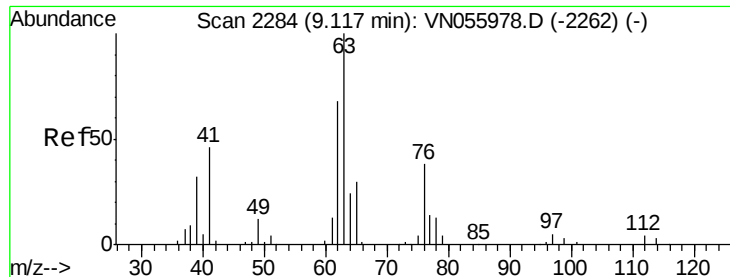
95 96.5 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): VN055978.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN055978.D (-2179) (-)





#45

1,2-Dichloropropane

Concen: 20.910 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. 0.00 min

Lab File: VN056075.D

Acq: 7 Jun 2019 4:19

Instrument :

MSVOA_N

ClientSampleId :

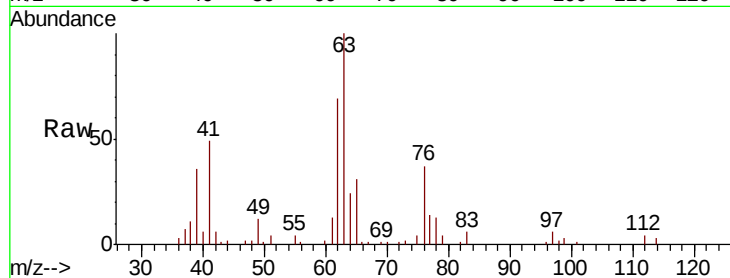
VN0607WBS02

Tot Ion: 63 Resp: 62278

Ion Ratio Lower Upper

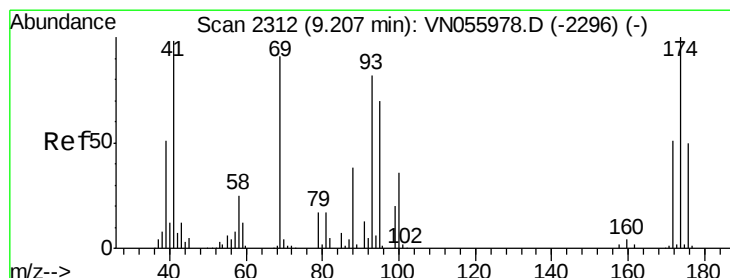
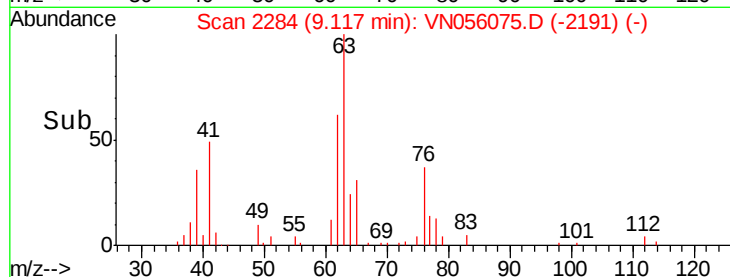
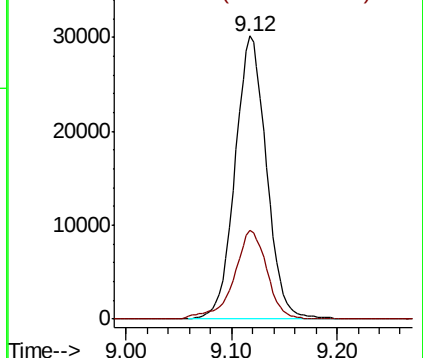
63 100

65 31.5 24.6 36.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 20.524 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN056075.D

Acq: 7 Jun 2019 4:19

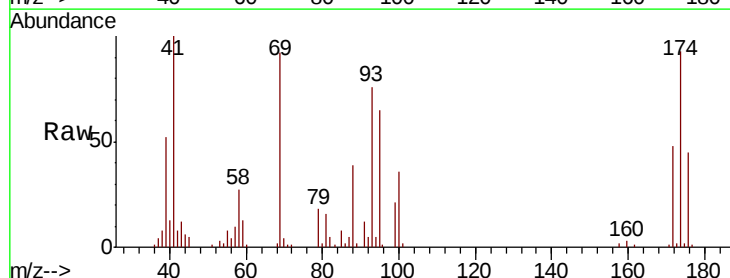
Tgt Ion: 93 Resp: 39974

Ion Ratio Lower Upper

93 100

95 85.4 66.7 100.1

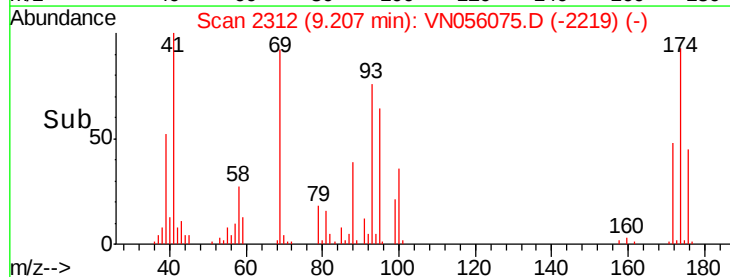
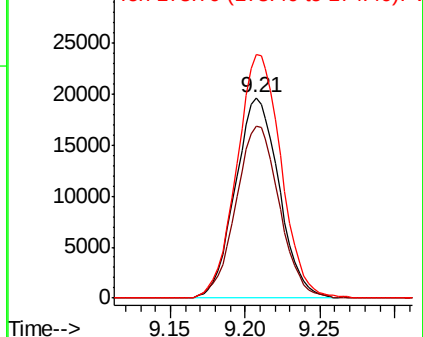
174 123.2 96.4 144.6



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.572 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN056075.D

Acq: 7 Jun 2019 4:19

Instrument :

MSVOA_N

ClientSampleId :

VN0607WBS02

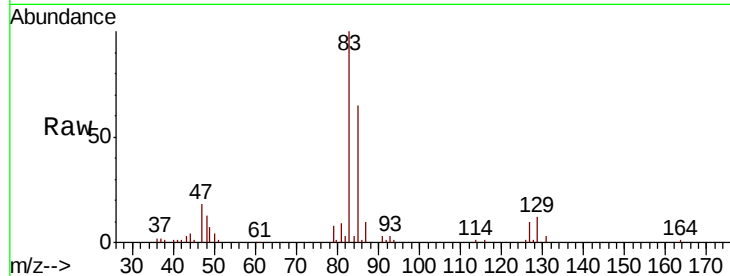
Tot Ion: 83 Resp: 69086

Ion Ratio Lower Upper

83 100

85 64.5 52.2 78.2

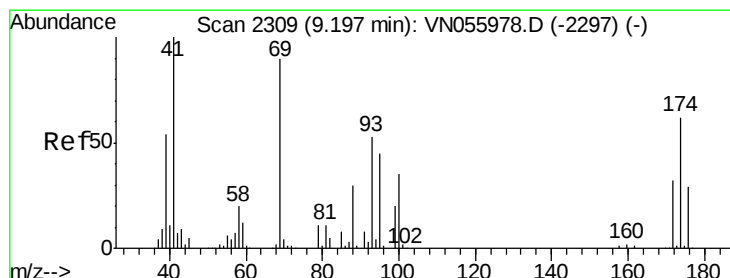
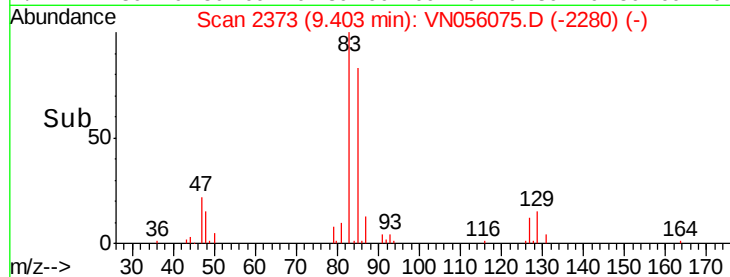
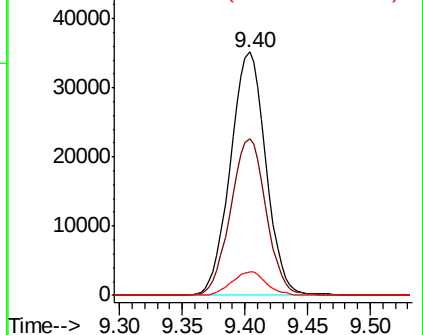
127 9.7 7.4 11.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 21.390 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN056075.D

Acq: 7 Jun 2019 4:19

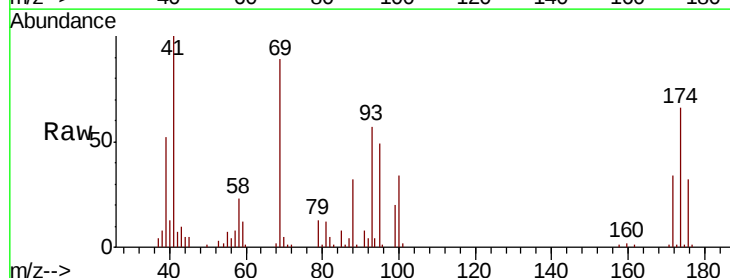
Tgt Ion: 41 Resp: 57763

Ion Ratio Lower Upper

41 100

69 89.9 71.0 106.6

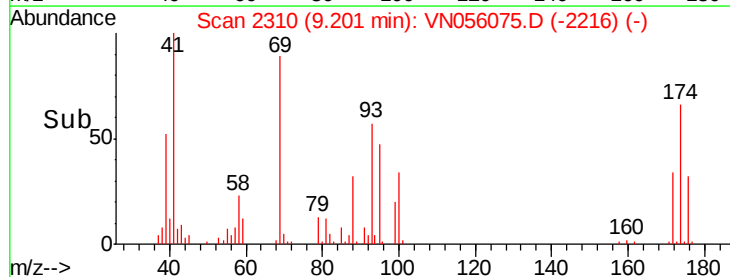
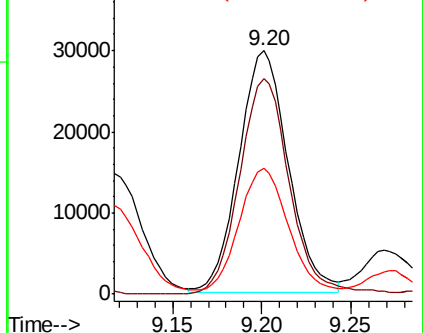
39 52.1 44.2 66.2

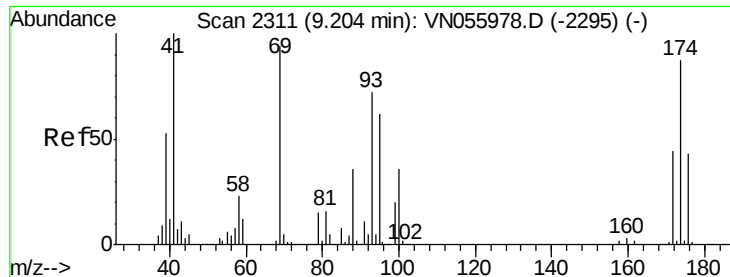


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

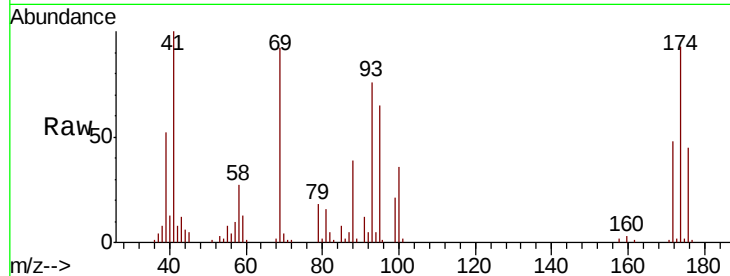




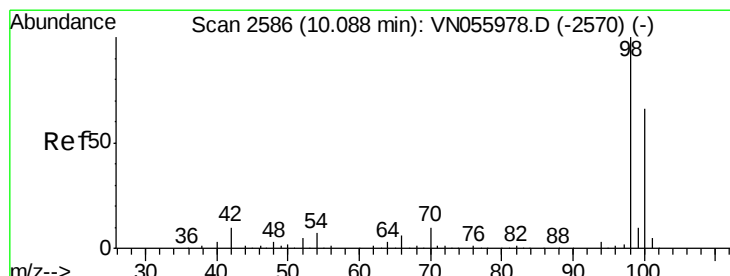
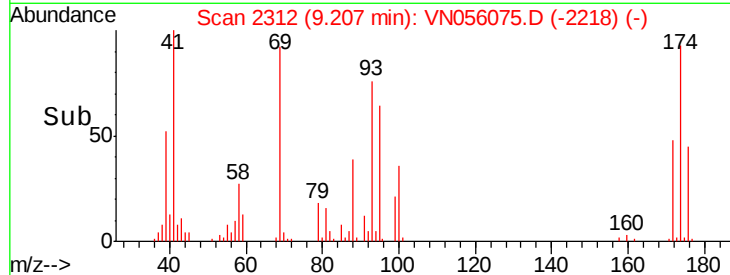
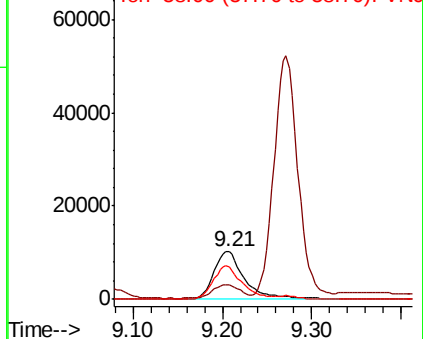
#49
1,4-Dioxane
Concen: 424.472 ug/l
RT: 9.21 min Scan# 2312
Delta R.T. 0.00 min
Lab File: VN056075.D
Acq: 7 Jun 2019 4:19

Instrument :
MSVOA_N
ClientSampleId :
VN0607WBS02

Tot Ion: 88 Resp: 24747
Ion Ratio Lower Upper
88 100
43 24.9 20.5 30.7
58 65.4 55.8 83.6

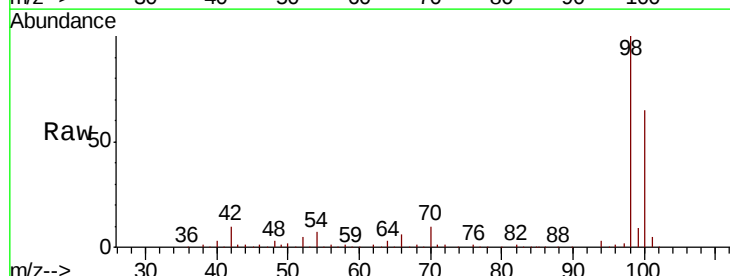


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

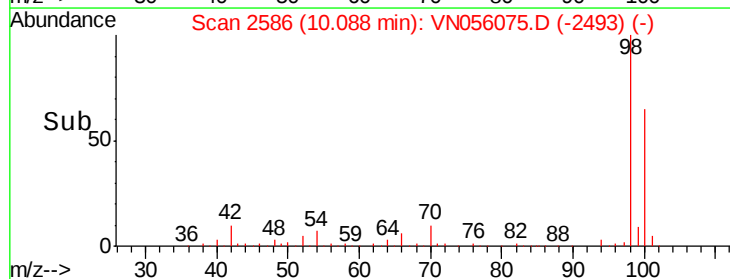
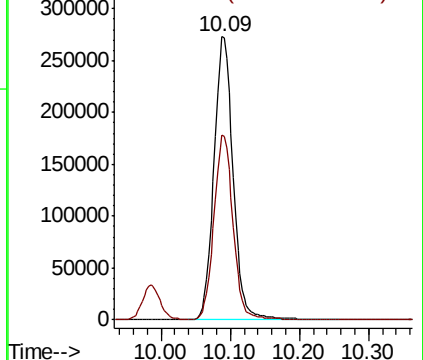


#50
Toluene-d8
Concen: 49.874 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN056075.D
Acq: 7 Jun 2019 4:19

Tgt Ion: 98 Resp: 524249
Ion Ratio Lower Upper
98 100
100 65.2 51.9 77.9



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





#51

4-Methyl-2-Pentanone

Concen: 107.722 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056075.D

Acq: 7 Jun 2019 4:19

Instrument :

MSVOA_N

ClientSampleId :

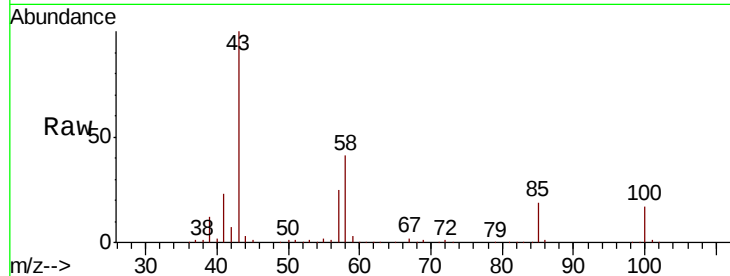
VN0607WBS02

Tot Ion: 43 Resp: 371844

Ion Ratio Lower Upper

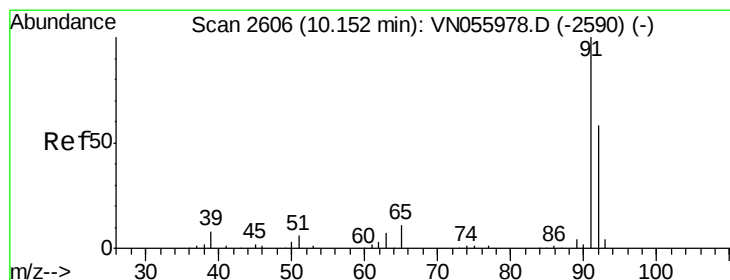
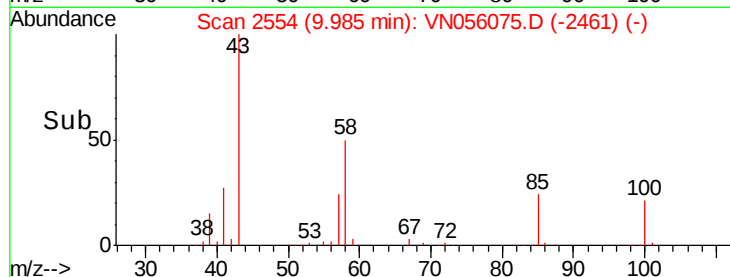
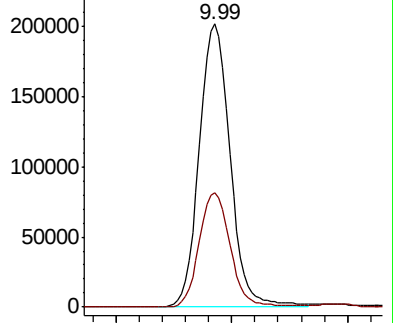
43 100

58 40.8 32.1 48.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.494 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN056075.D

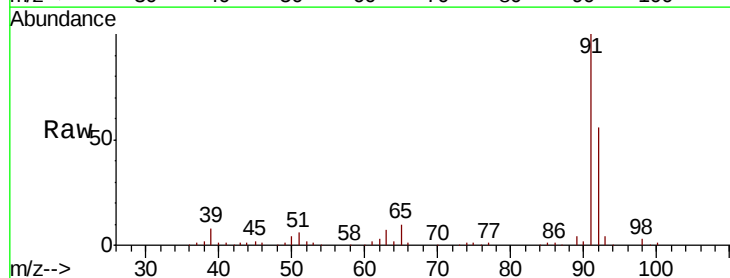
Acq: 7 Jun 2019 4:19

Tgt Ion: 92 Resp: 148285

Ion Ratio Lower Upper

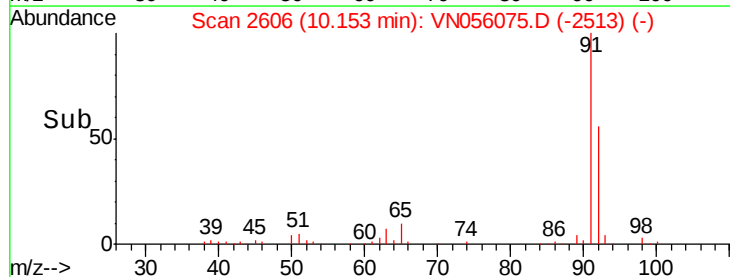
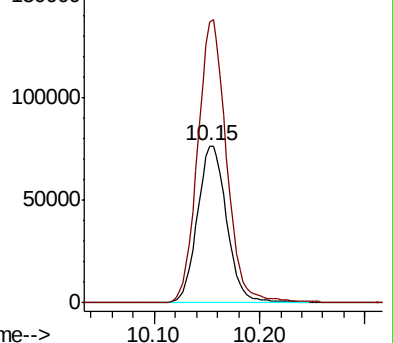
92 100

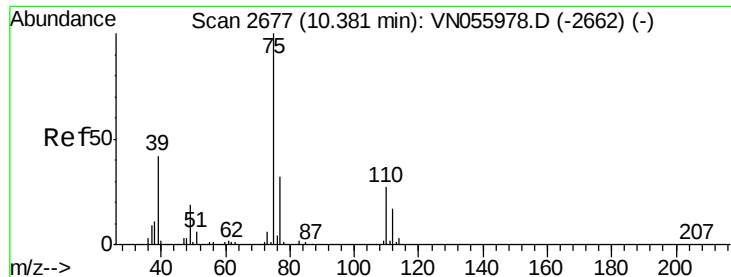
91 176.5 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 16.934 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN056075.D

Acq: 7 Jun 2019 4:19

Instrument :

MSVOA_N

ClientSampleId :

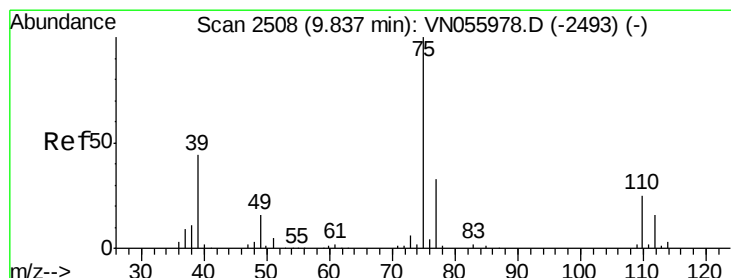
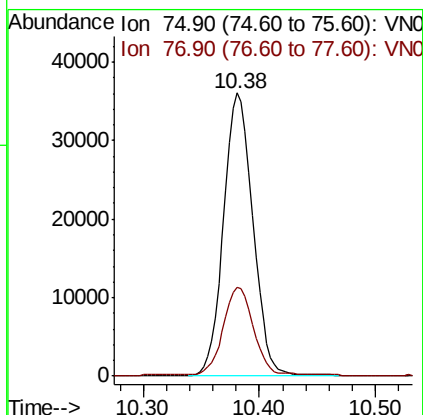
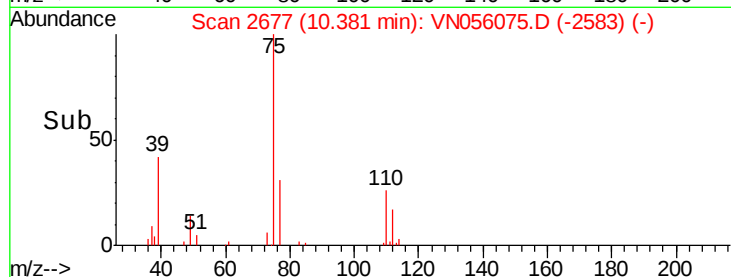
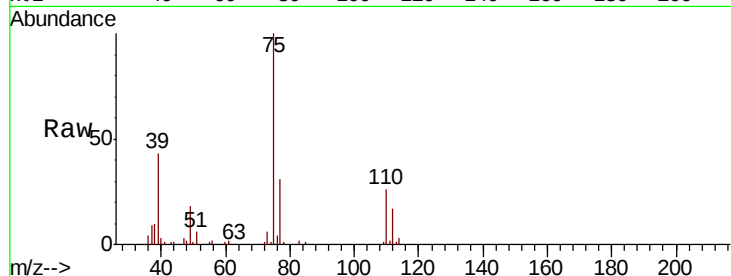
VN0607WBS02

Tot Ion: 75 Resp: 63190

Ion Ratio Lower Upper

75 100

77 31.0 25.8 38.6



#54

cis-1,3-Dichloropropene

Concen: 18.185 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. 0.00 min

Lab File: VN056075.D

Acq: 7 Jun 2019 4:19

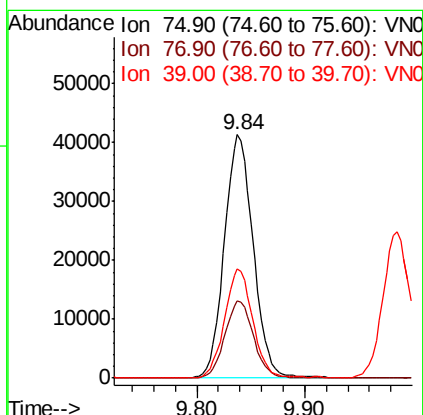
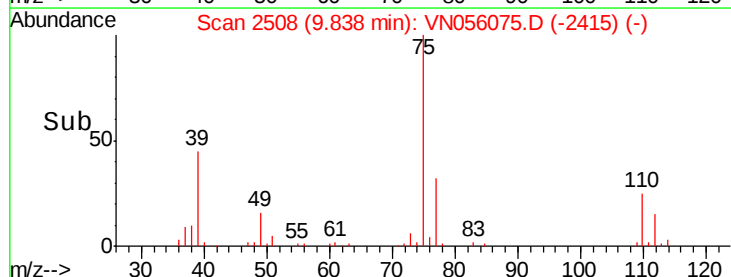
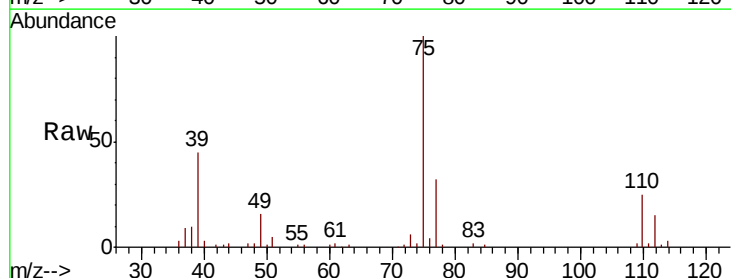
Tgt Ion: 75 Resp: 77159

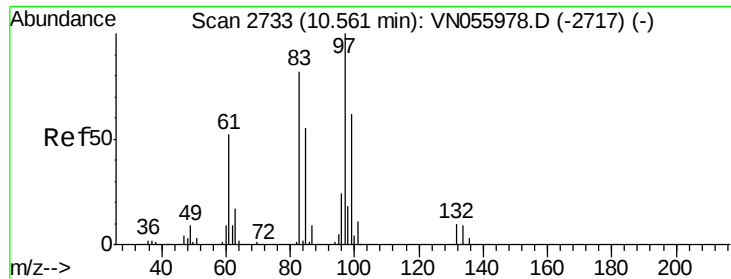
Ion Ratio Lower Upper

75 100

77 31.7 25.4 38.0

39 44.7 36.3 54.5





#55

1,1,2-Trichloroethane

Concen: 20.824 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN056075.D

Acq: 7 Jun 2019 4:19

Instrument :

MSVOA_N

ClientSampled :

VN0607WBS02

Tot Ion: 97 Resp: 59685

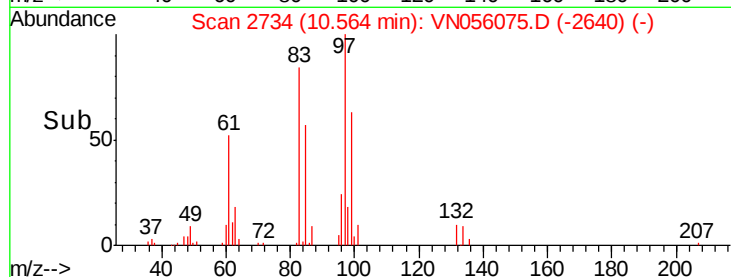
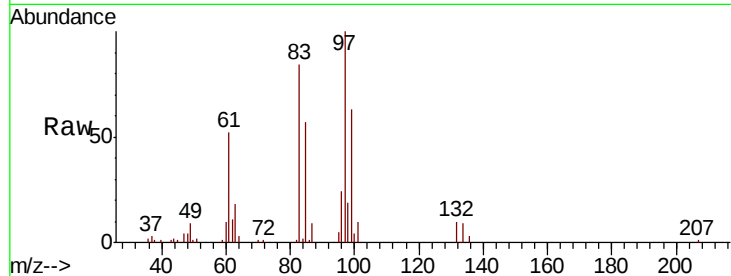
Ion Ratio Lower Upper

97 100

83 83.9 67.0 100.6

85 57.3 44.0 66.0

99 63.1 50.6 75.8

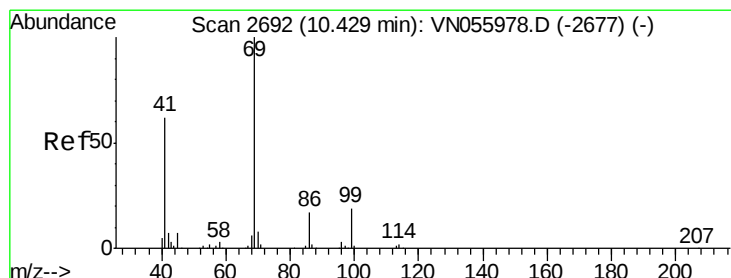
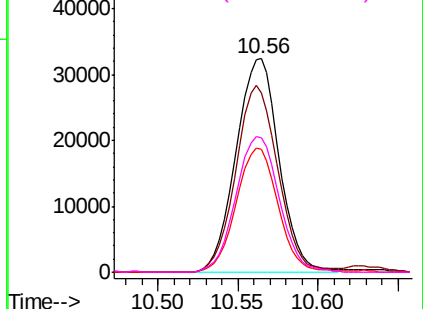


Abundance Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56

Ethyl methacrylate

Concen: 20.534 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN056075.D

Acq: 7 Jun 2019 4:19

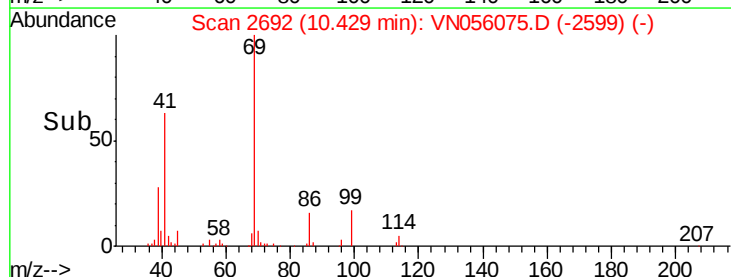
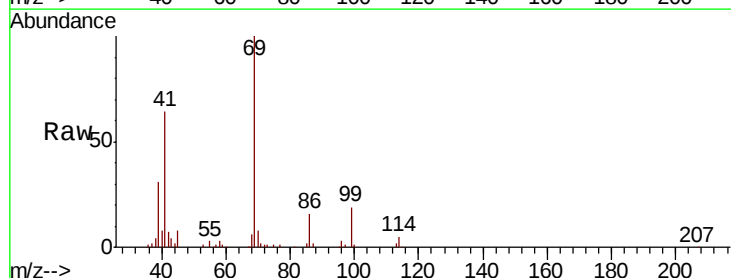
Tgt Ion: 69 Resp: 85859

Ion Ratio Lower Upper

69 100

41 62.8 49.7 74.5

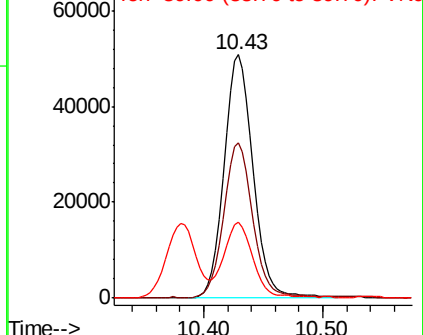
39 30.3 24.7 37.1

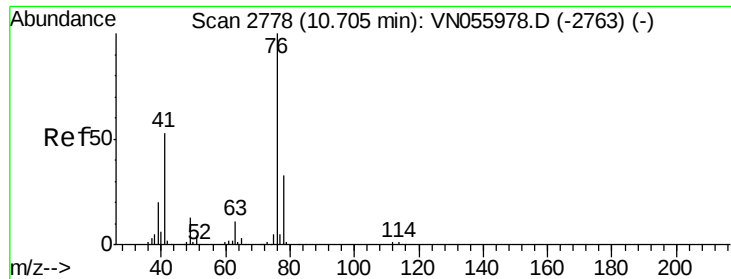


Abundance Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

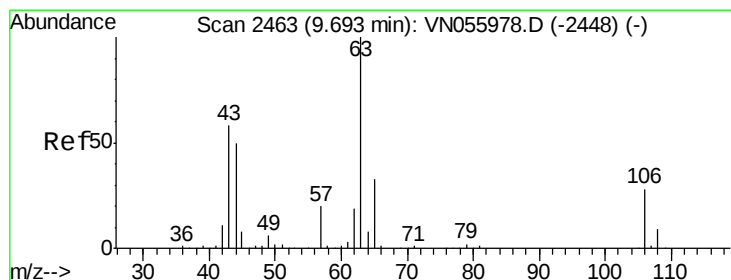
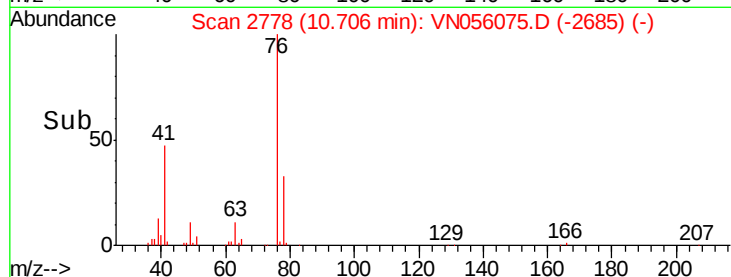
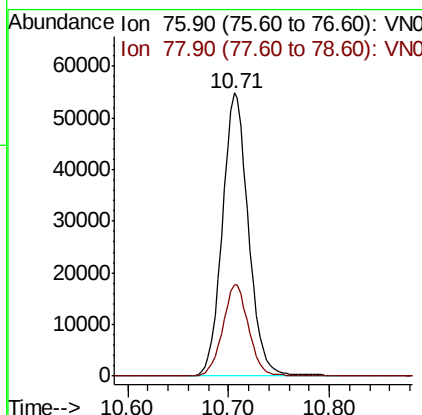
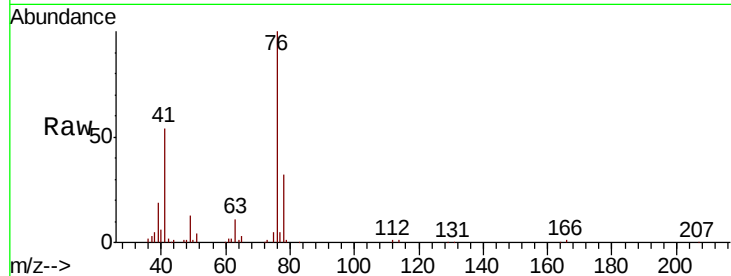




#57
 1,3-Dichloropropane
 Concen: 21.227 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN056075.D
 Acq: 7 Jun 2019 4:19

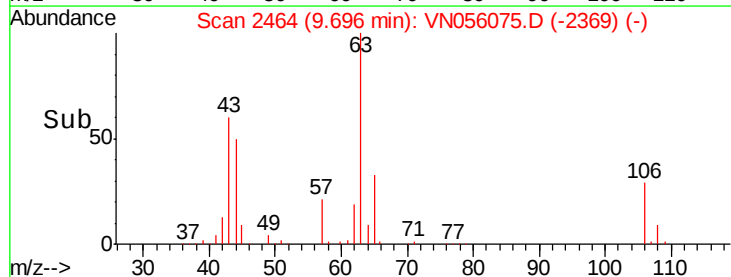
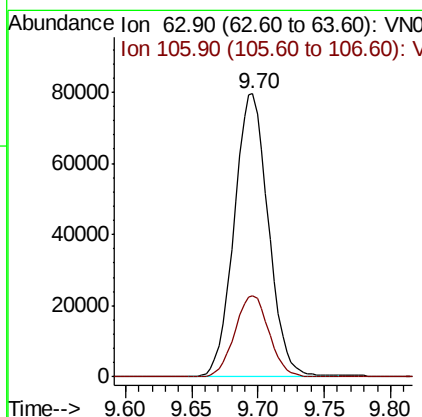
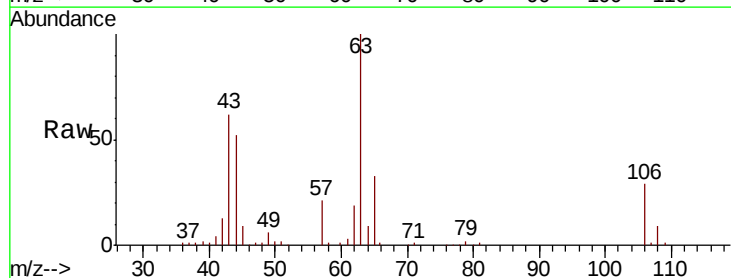
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0607WBS02

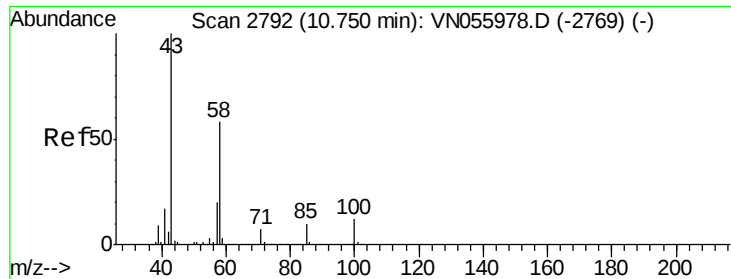
Tot Ion: 76 Resp: 98903
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 95.972 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN056075.D
 Acq: 7 Jun 2019 4:19

Tgt Ion: 63 Resp: 142952
 Ion Ratio Lower Upper
 63 100
 106 28.7 22.7 34.1

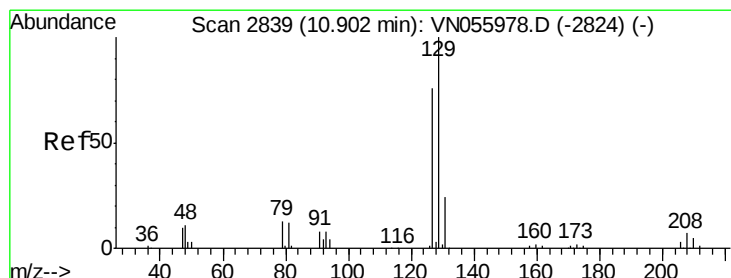
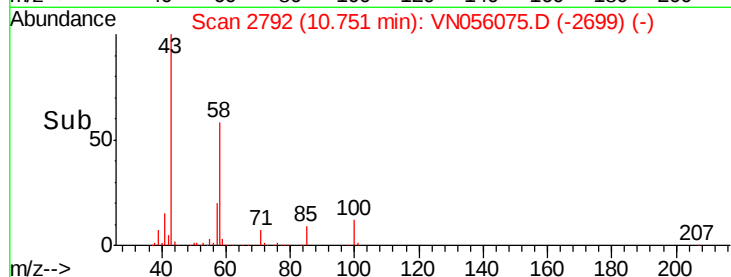
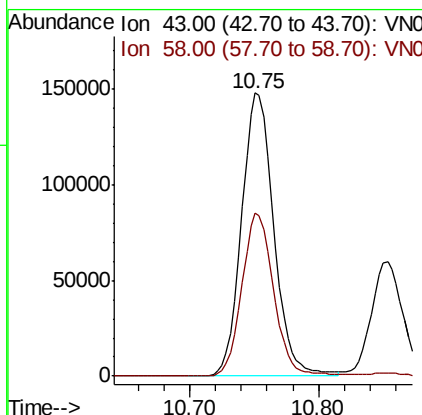
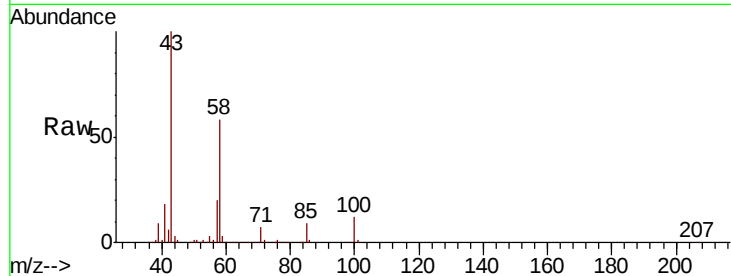




#59
2-Hexanone
Concen: 102.655 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN056075.D
Acq: 7 Jun 2019 4:19

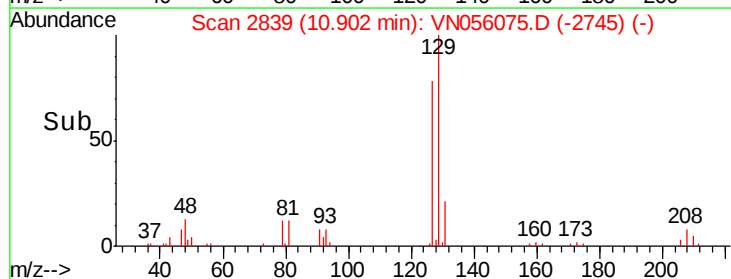
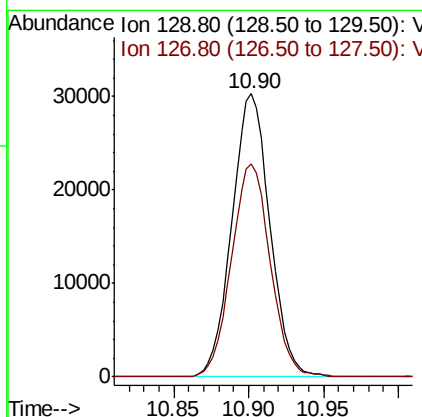
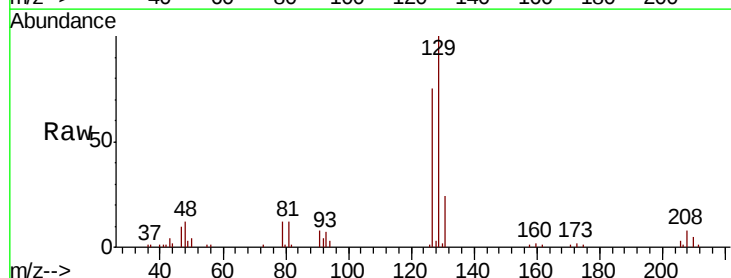
Instrument :
MSVOA_N
ClientSampleId :
VN0607WBS02

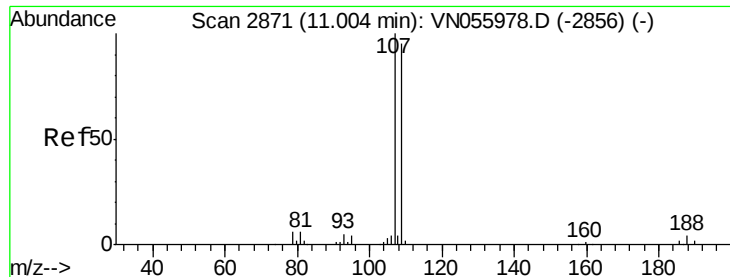
Tot Ion: 43 Resp: 256826
Ion Ratio Lower Upper
43 100
58 56.9 28.2 84.7



#60
Dibromochloromethane
Concen: 18.561 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056075.D
Acq: 7 Jun 2019 4:19

Tgt Ion: 129 Resp: 53549
Ion Ratio Lower Upper
129 100
127 76.7 38.1 114.3

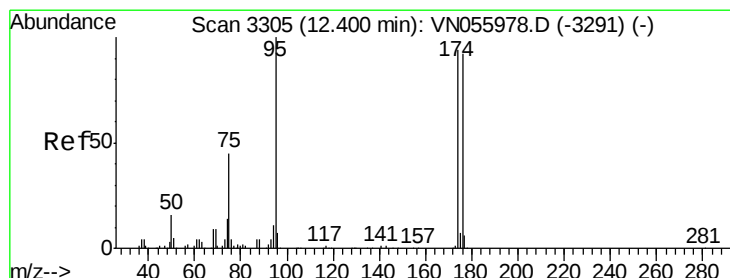
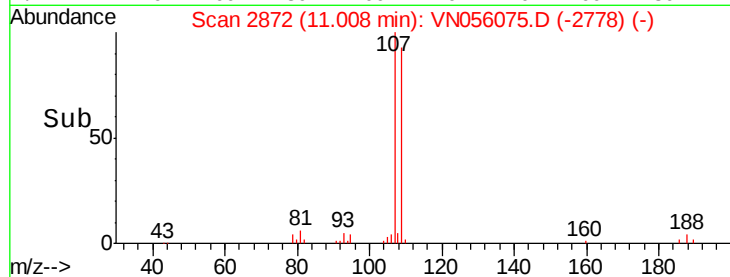
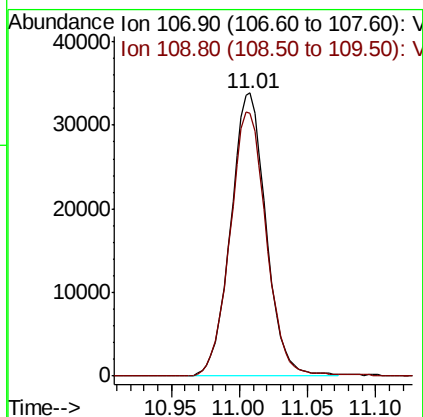
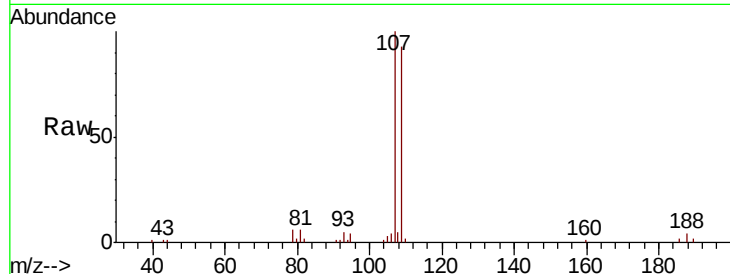




#61
 1,2-Dibromoethane
 Concen: 20.791 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN056075.D
 Acq: 7 Jun 2019 4:19

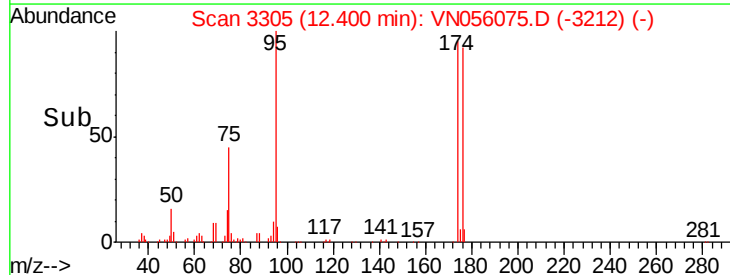
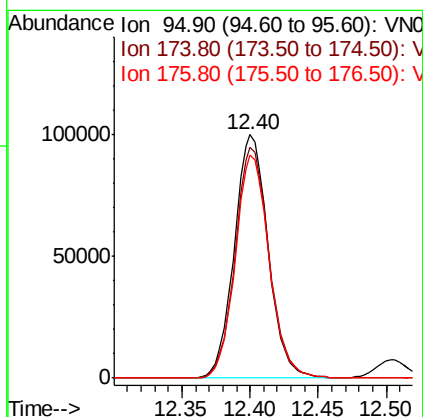
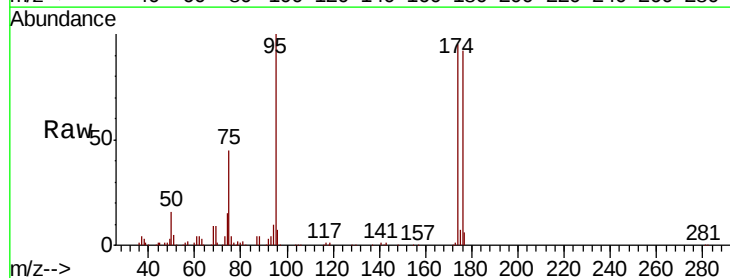
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0607WBS02

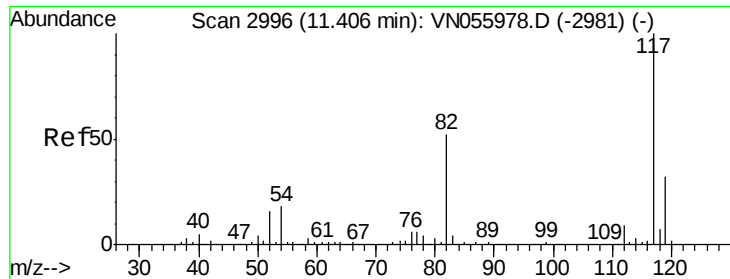
Tot Ion:107 Resp: 60919
 Ion Ratio Lower Upper
 107 100
 109 95.6 74.8 112.2



#62
 4-Bromofluorobenzene
 Concen: 48.211 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN056075.D
 Acq: 7 Jun 2019 4:19

Tgt Ion: 95 Resp: 172341
 Ion Ratio Lower Upper
 95 100
 174 94.9 0.0 191.0
 176 91.7 0.0 185.2

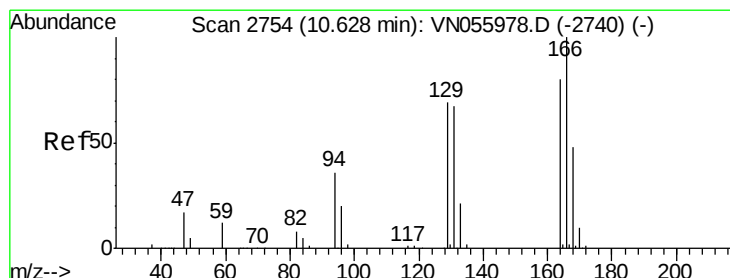
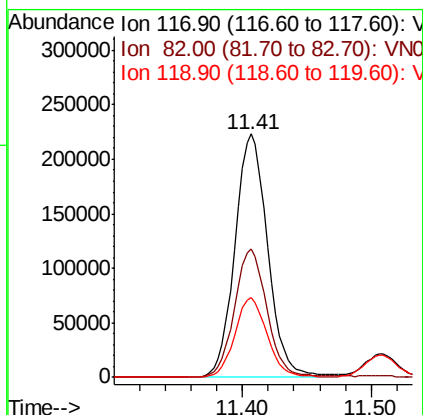
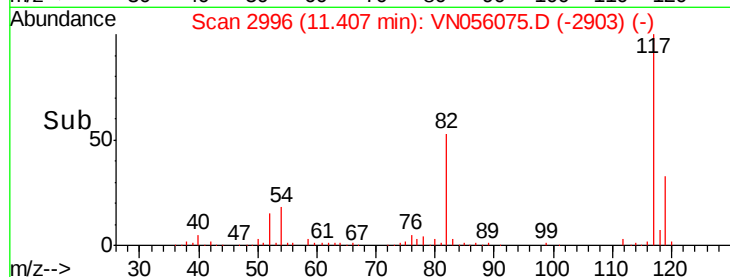
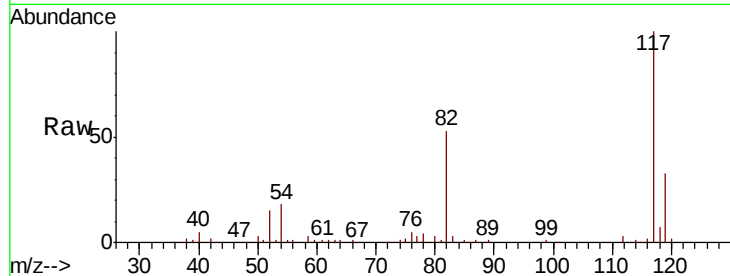




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056075.D
Acq: 7 Jun 2019 4:19

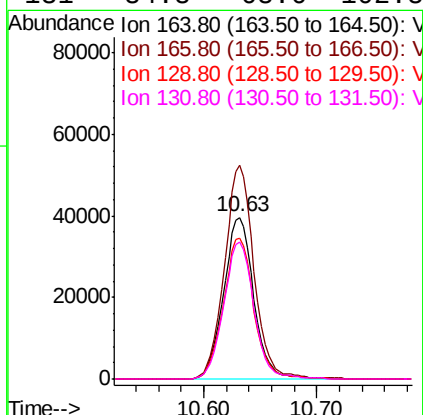
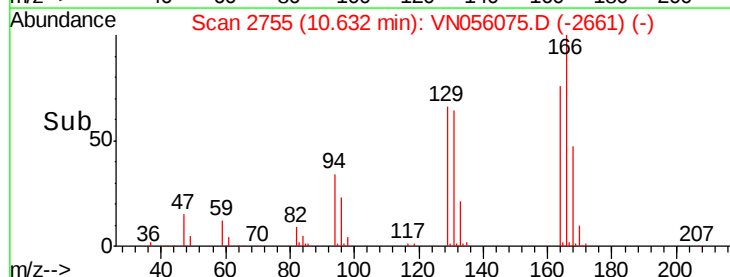
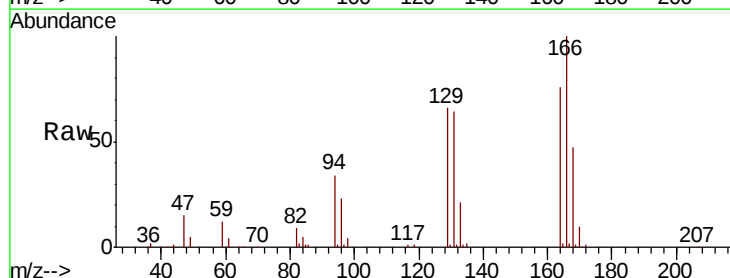
Instrument :
MSVOA_N
ClientSampleId :
VN0607WBS02

Tot Ion:117 Resp: 395120
Ion Ratio Lower Upper
117 100
82 52.8 41.8 62.8
119 32.8 25.4 38.0



#64
Tetrachloroethene
Concen: 21.376 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN056075.D
Acq: 7 Jun 2019 4:19

Tgt Ion:164 Resp: 73112
Ion Ratio Lower Upper
164 100
166 132.0 103.0 154.6
129 87.4 70.6 105.8
131 84.8 68.6 102.8

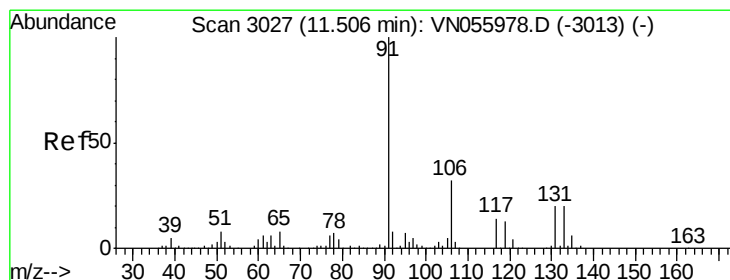
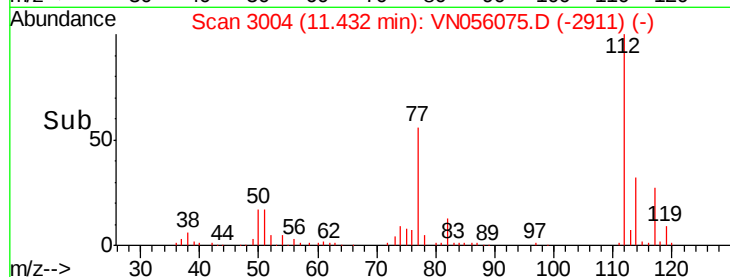
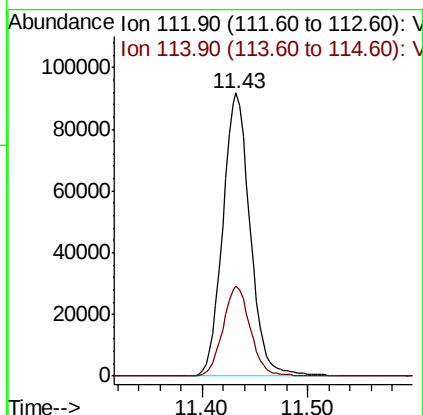
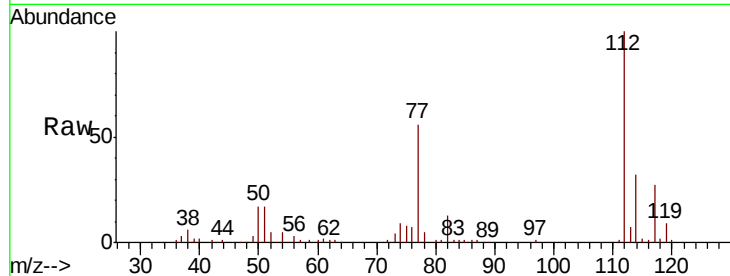




#65
Chlorobenzene
Concen: 20.949 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056075.D
Acq: 7 Jun 2019 4:19

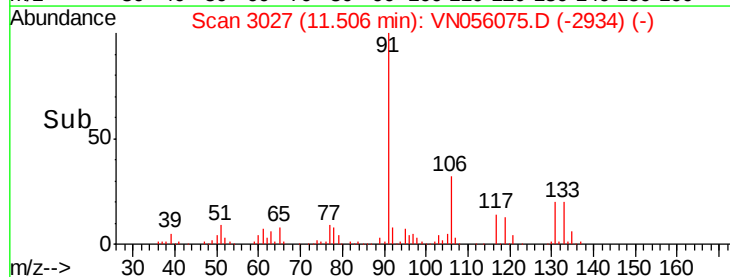
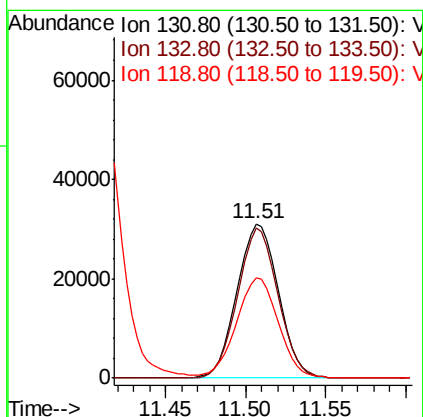
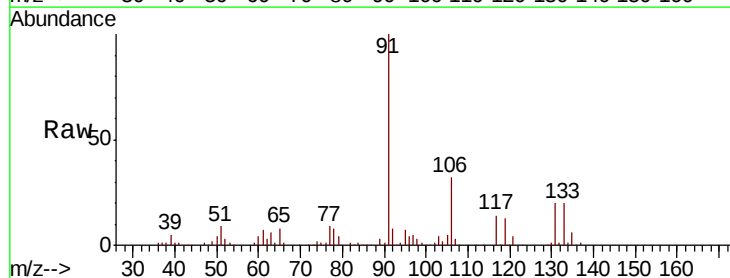
Instrument :
MSVOA_N
ClientSampled :
VN0607WBS02

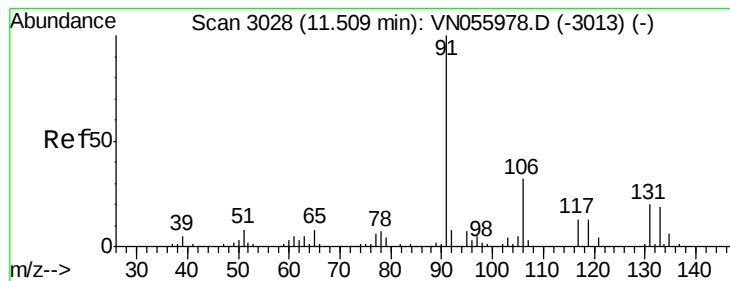
Tot Ion:112 Resp: 164737
Ion Ratio Lower Upper
112 100
114 31.6 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 20.247 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN056075.D
Acq: 7 Jun 2019 4:19

Tgt Ion:131 Resp: 54974
Ion Ratio Lower Upper
131 100
133 94.8 48.0 144.0
119 66.3 33.1 99.5





#67

Ethyl Benzene

Concen: 20.057 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN056075.D

Acq: 7 Jun 2019 4:19

Instrument :

MSVOA_N

ClientSampleId :

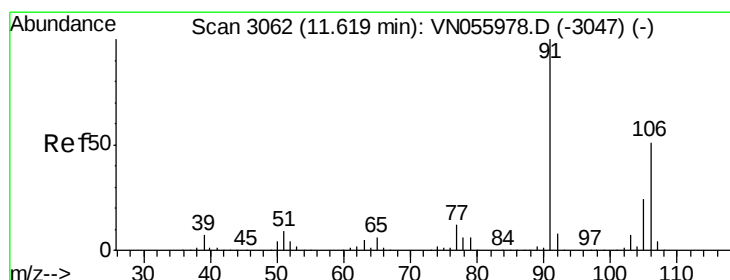
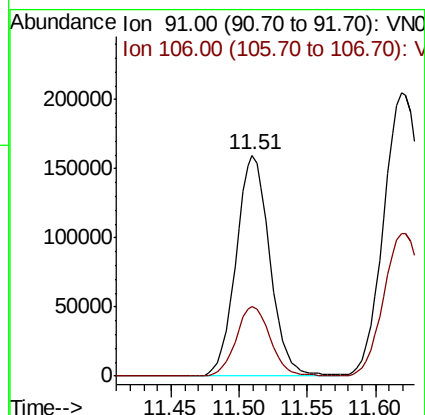
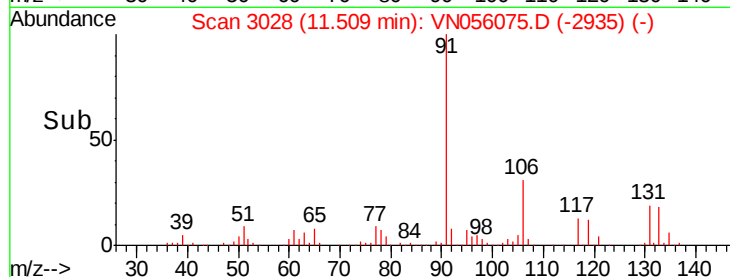
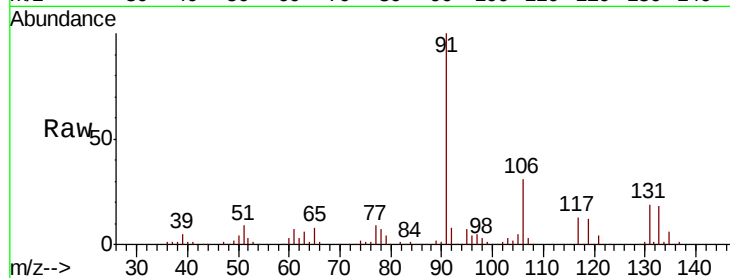
VN0607WBS02

Tot Ion: 91 Resp: 274250

Ion Ratio Lower Upper

91 100

106 31.3 25.1 37.7



#68

m/p-Xylenes

Concen: 39.803 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN056075.D

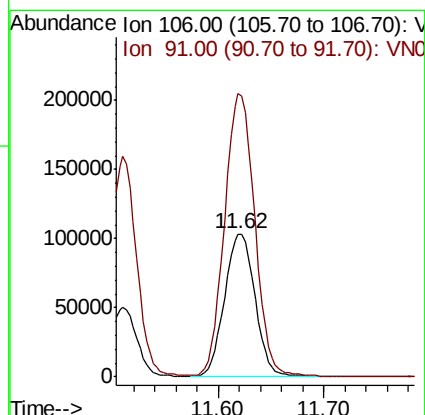
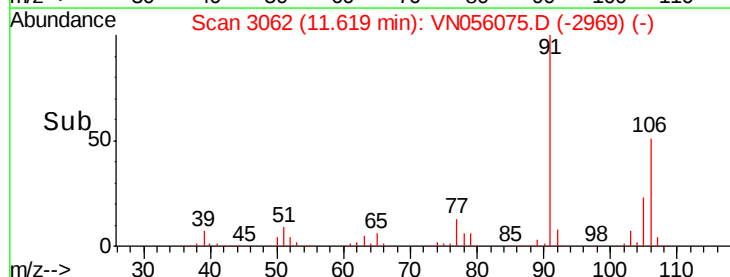
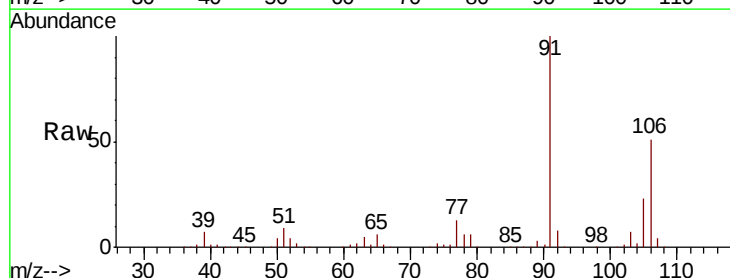
Acq: 7 Jun 2019 4:19

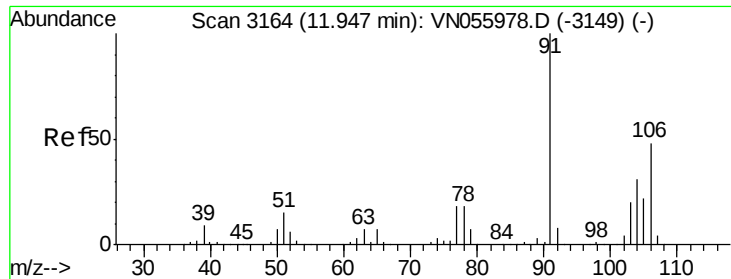
Tgt Ion: 106 Resp: 207913

Ion Ratio Lower Upper

106 100

91 196.0 159.3 238.9

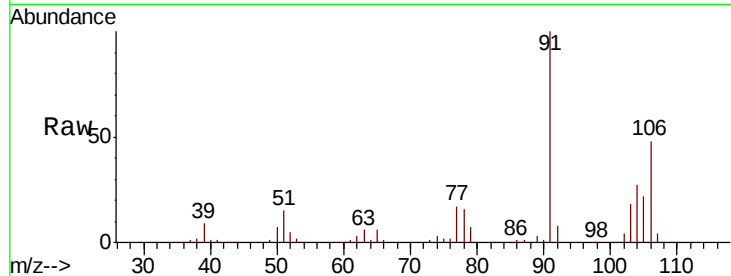




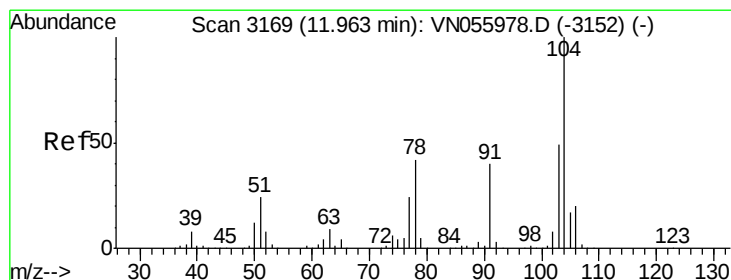
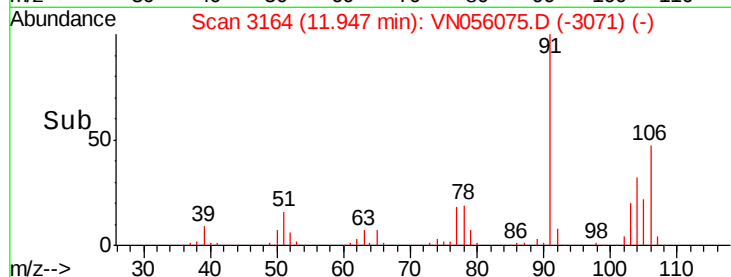
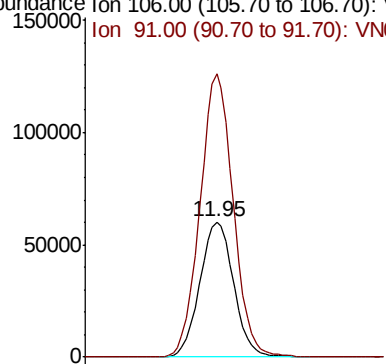
#69
o-Xylene
Concen: 20.109 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056075.D
Acq: 7 Jun 2019 4:19

Instrument :
MSVOA_N
ClientSampleId :
VN0607WBS02

Tot Ion:106 Resp: 103324
Ion Ratio Lower Upper
106 100
91 206.1 104.7 314.1

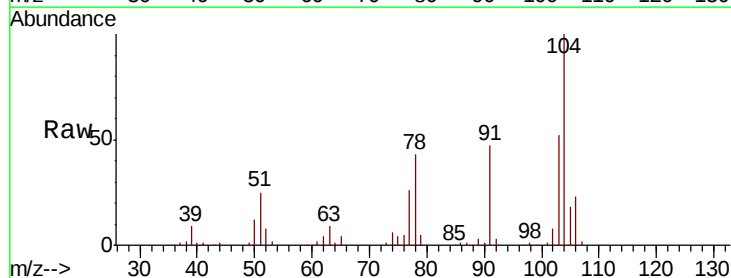


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

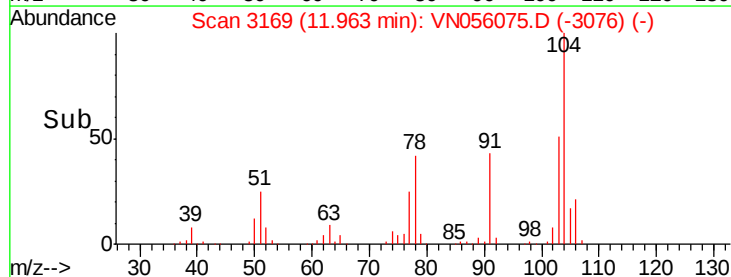
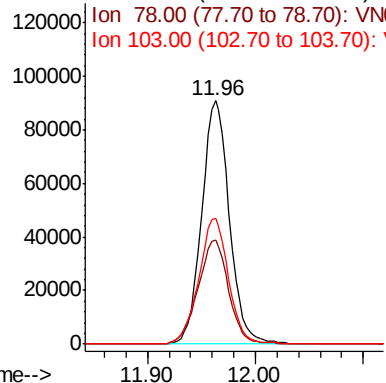


#70
Styrene
Concen: 19.961 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056075.D
Acq: 7 Jun 2019 4:19

Tgt Ion:104 Resp: 162957
Ion Ratio Lower Upper
104 100
78 47.2 37.8 56.6
103 55.4 44.2 66.2



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 17.367 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN056075.D

Acq: 7 Jun 2019 4:19

Instrument :

MSVOA_N

ClientSampleId :

VN0607WBS02

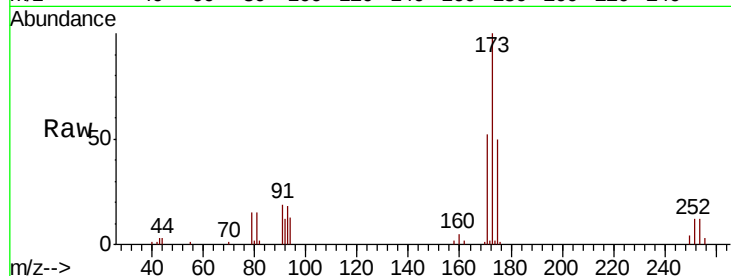
Tot Ion:173 Resp: 35274

Ion Ratio Lower Upper

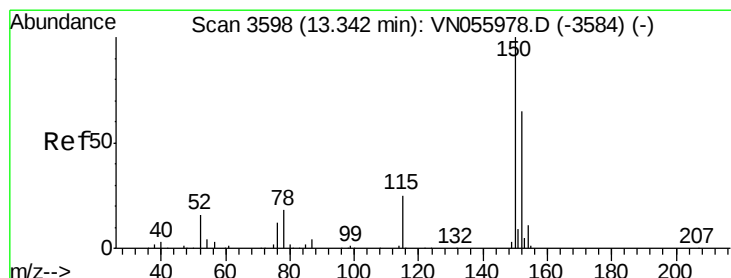
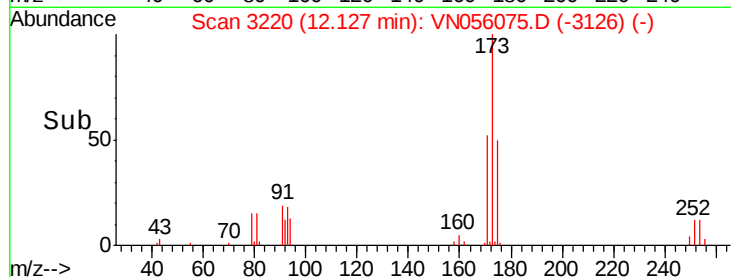
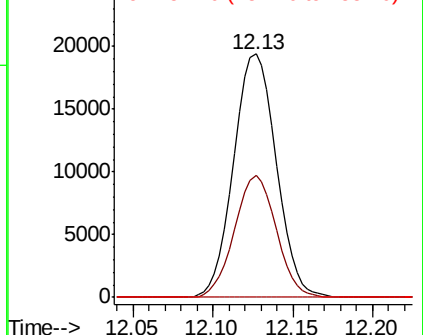
173 100

175 48.8 24.3 72.8

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# 3598

Delta R.T. 0.00 min

Lab File: VN056075.D

Acq: 7 Jun 2019 4:19

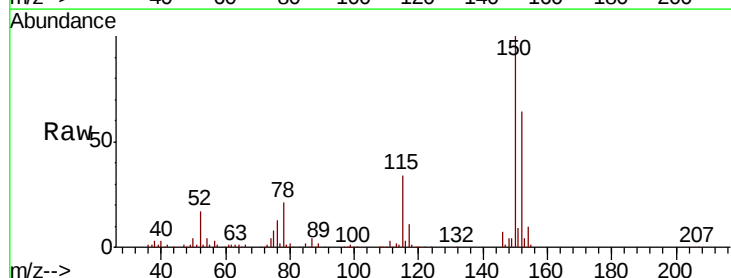
Tgt Ion:152 Resp: 157695

Ion Ratio Lower Upper

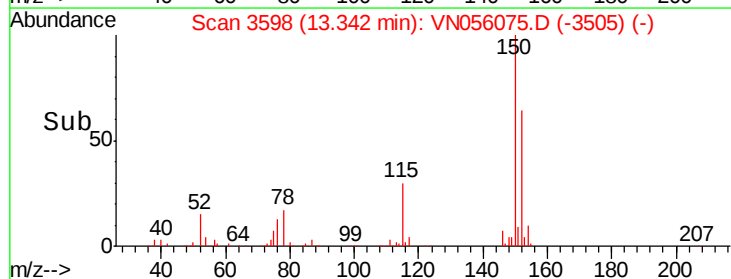
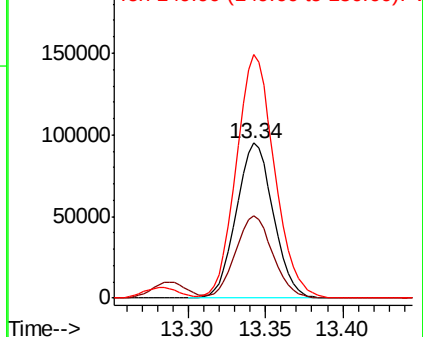
152 100

115 53.3 27.0 81.0

150 162.2 0.0 343.2



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: 22.690 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056075.D

Acq: 7 Jun 2019 4:19

Instrument :

MSVOA_N

ClientSampleId :

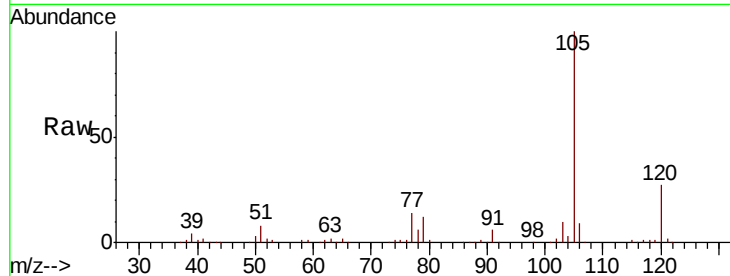
VN0607WBS02

Tot Ion:105 Resp: 269902

Ion Ratio Lower Upper

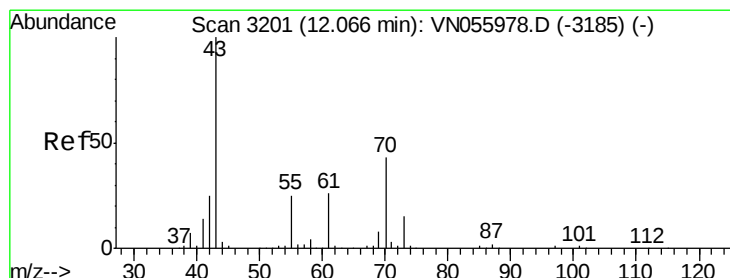
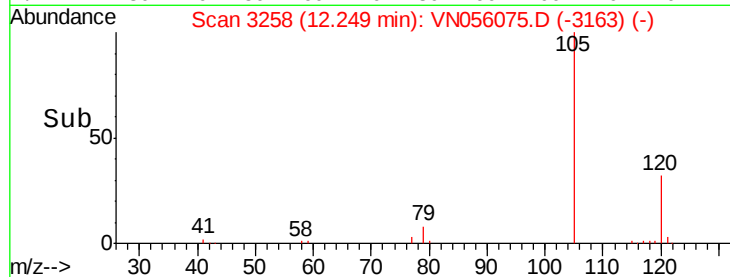
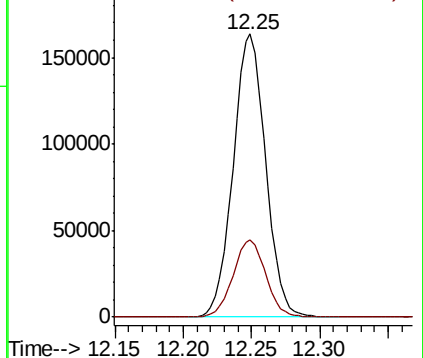
105 100

120 27.4 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.336 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056075.D

Acq: 7 Jun 2019 4:19

Tgt Ion: 43 Resp: 89689

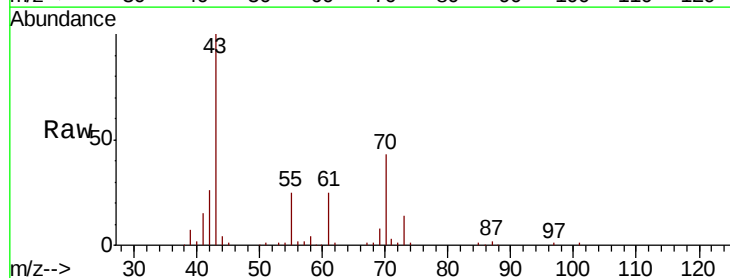
Ion Ratio Lower Upper

43 100

70 43.0 34.0 51.0

55 25.8 18.6 28.0

61 24.6 20.0 30.0

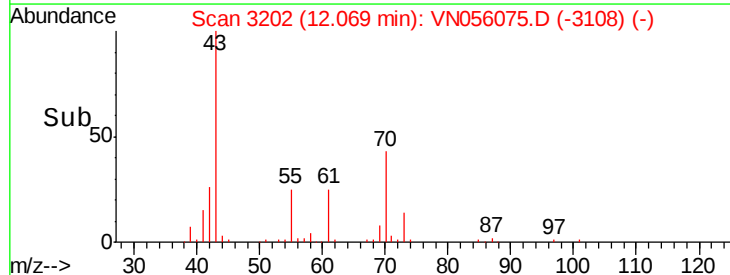
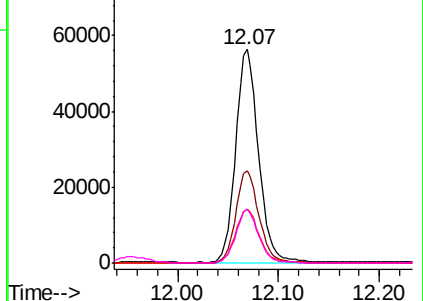


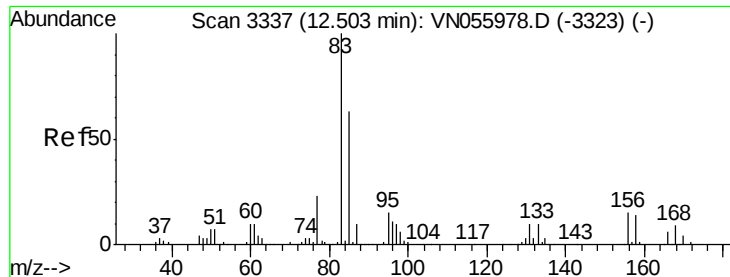
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 22.407 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056075.D

Acq: 7 Jun 2019 4:19

Instrument :

MSVOA_N

ClientSampleId :

VN0607WBS02

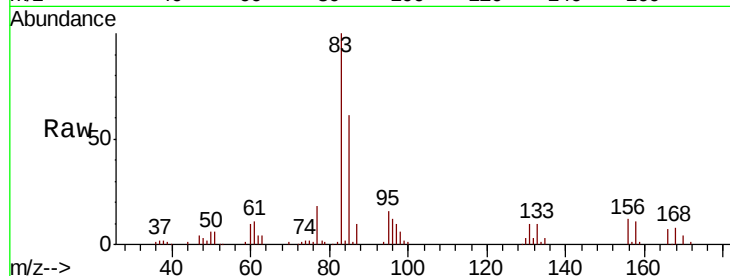
Tot Ion: 83 Resp: 82027

Ion Ratio Lower Upper

83 100

131 10.6 5.4 16.2

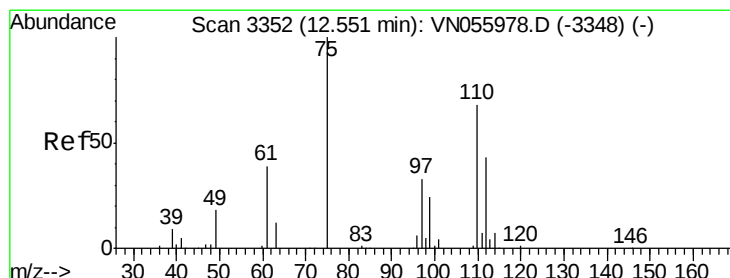
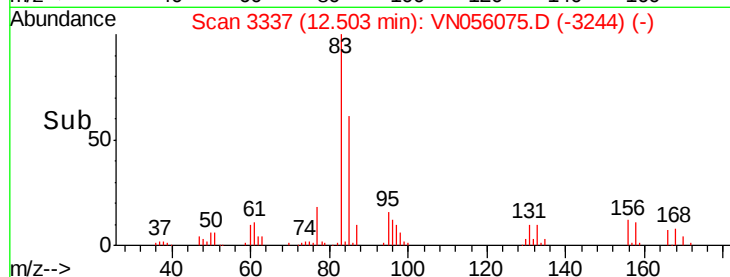
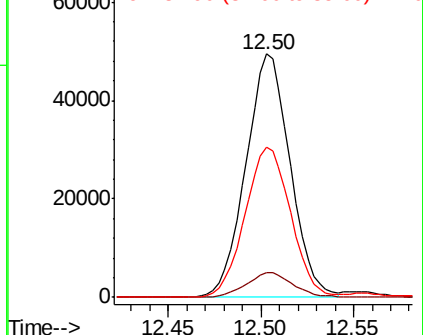
85 63.3 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 30.841 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN056075.D

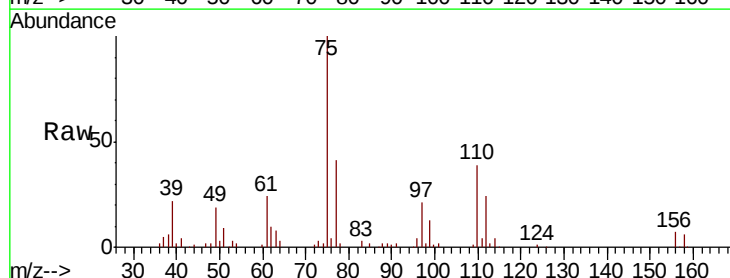
Acq: 7 Jun 2019 4:19

Tgt Ion: 75 Resp: 89489

Ion Ratio Lower Upper

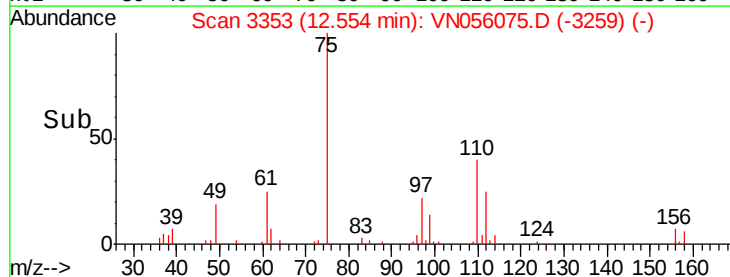
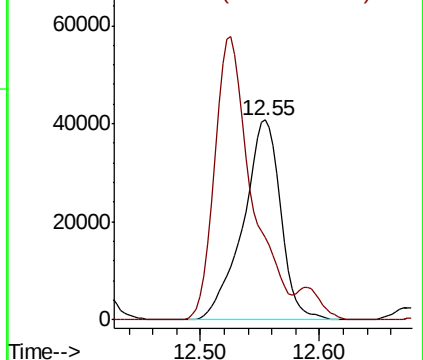
75 100

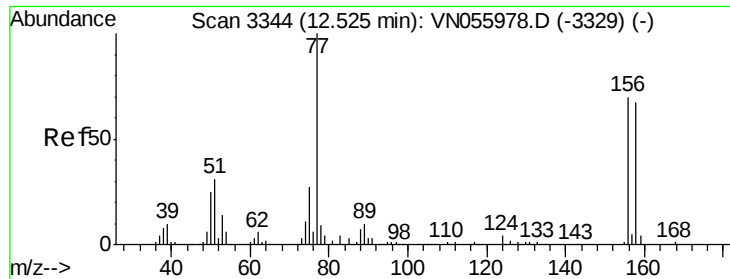
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 21.079 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056075.D

Acq: 7 Jun 2019 4:19

Instrument :

MSVOA_N

ClientSampleId :

VN0607WBS02

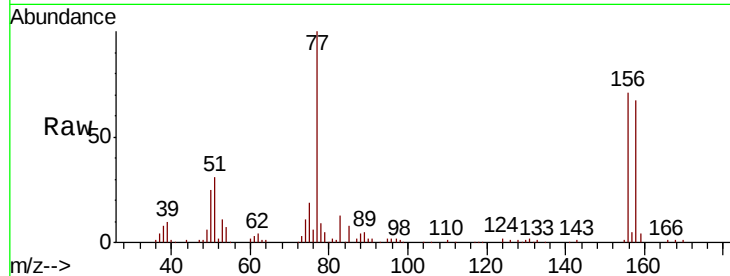
Tot Ion:156 Resp: 71168

Ion Ratio Lower Upper

156 100

77 175.3 90.8 272.5

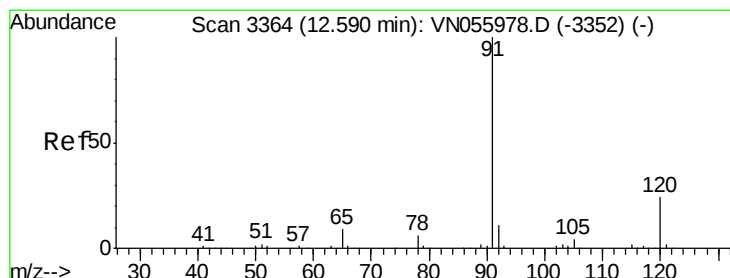
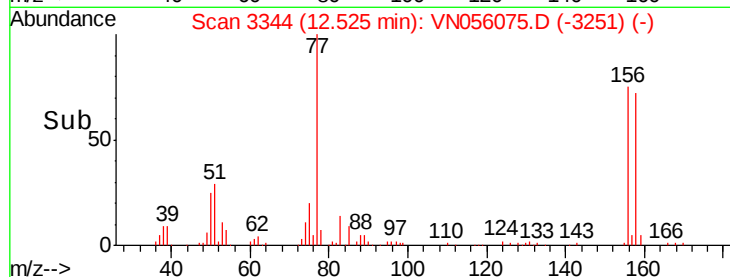
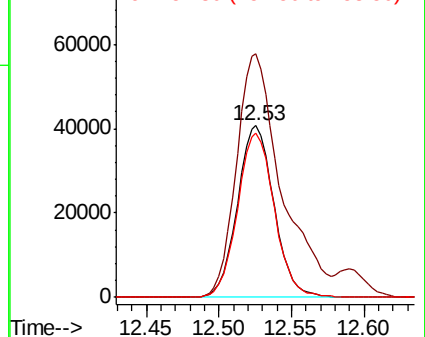
158 96.2 49.3 147.8



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: 20.610 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056075.D

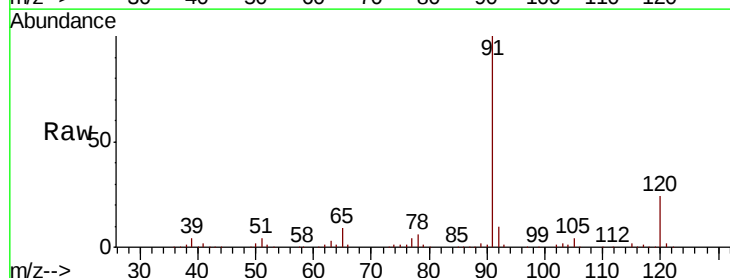
Acq: 7 Jun 2019 4:19

Tgt Ion: 91 Resp: 274962

Ion Ratio Lower Upper

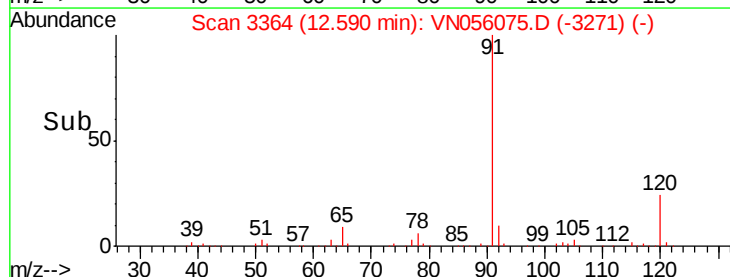
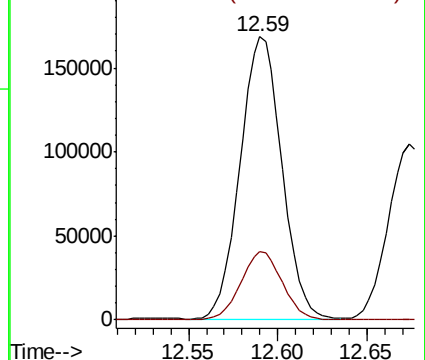
91 100

120 24.0 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.489 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056075.D

Acq: 7 Jun 2019 4:19

Instrument :

MSVOA_N

ClientSampleId :

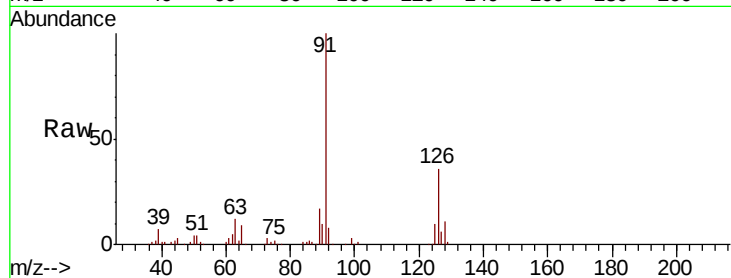
VN0607WBS02

Tot Ion: 91 Resp: 175868

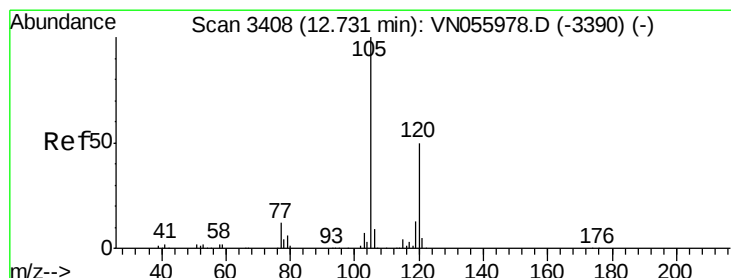
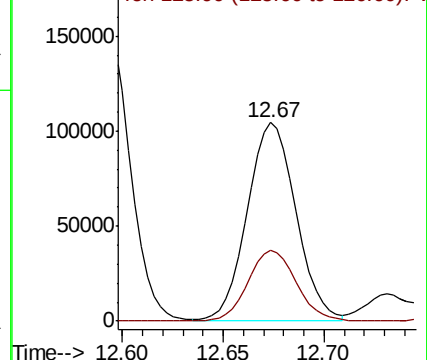
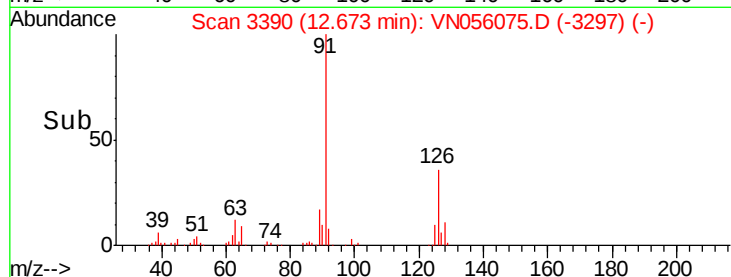
Ion Ratio Lower Upper

91 100

126 35.6 18.1 54.4



Abundance Ion 91.00 (90.70 to 91.70): VN056075.D (-3297) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.623 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056075.D

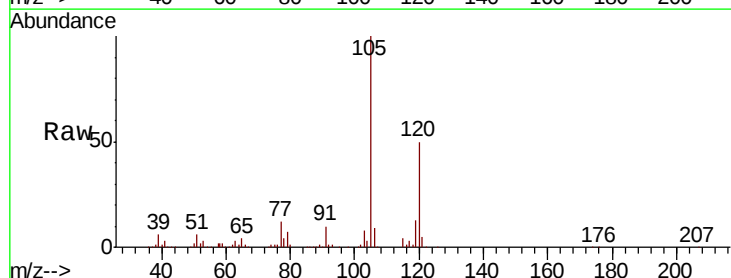
Acq: 7 Jun 2019 4:19

Tgt Ion: 105 Resp: 218661

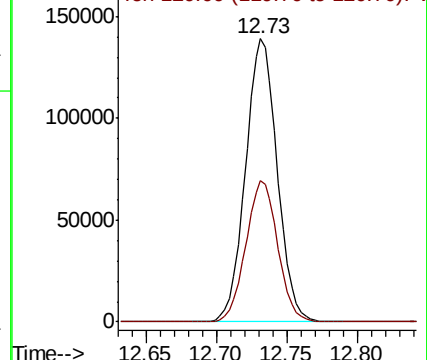
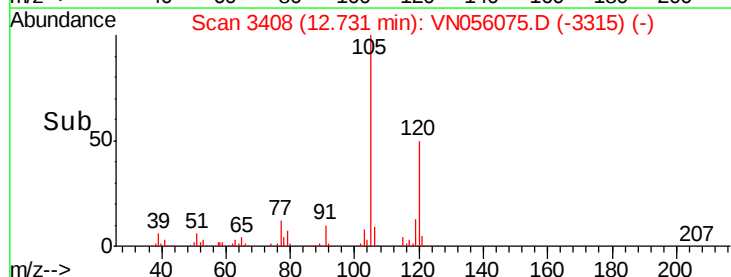
Ion Ratio Lower Upper

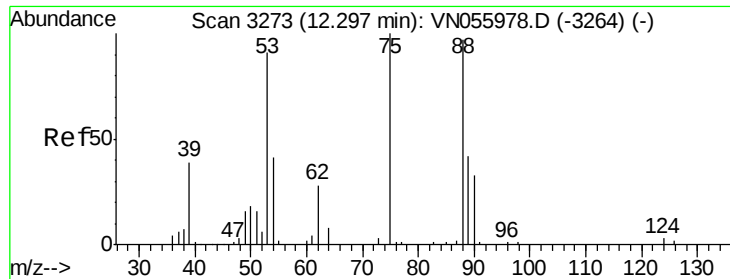
105 100

120 50.2 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): VN056075.D (-3315) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 15.056 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN056075.D

Acq: 7 Jun 2019 4:19

Instrument :

MSVOA_N

ClientSampleId :

VN0607WBS02

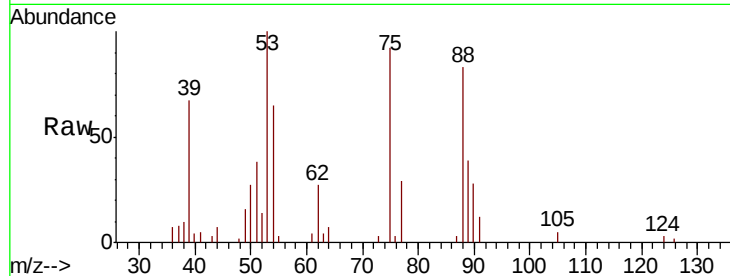
Tot Ion: 75 Resp: 13119

Ion Ratio Lower Upper

75 100

53 115.1 68.1 102.1#

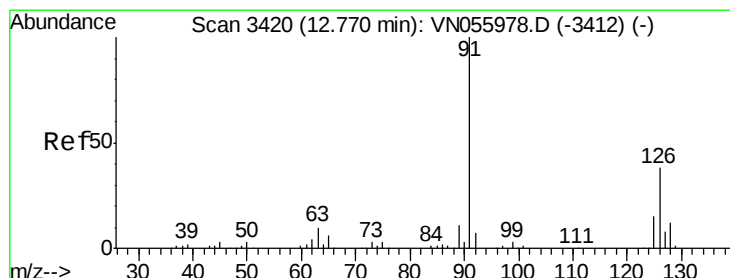
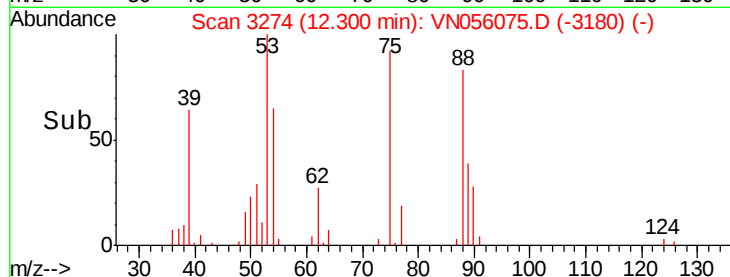
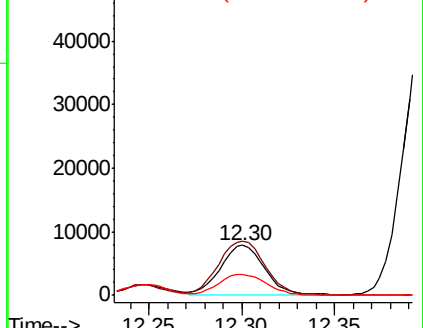
89 44.2 36.9 55.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 20.573 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN056075.D

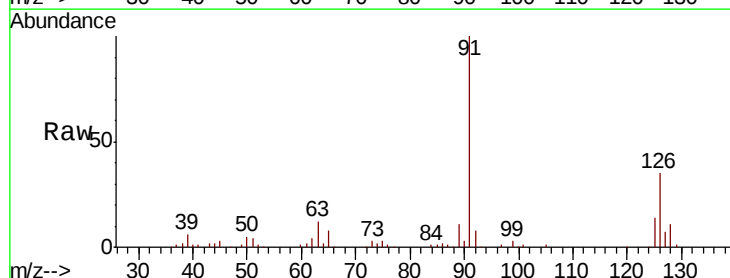
Acq: 7 Jun 2019 4:19

Tgt Ion: 91 Resp: 160575

Ion Ratio Lower Upper

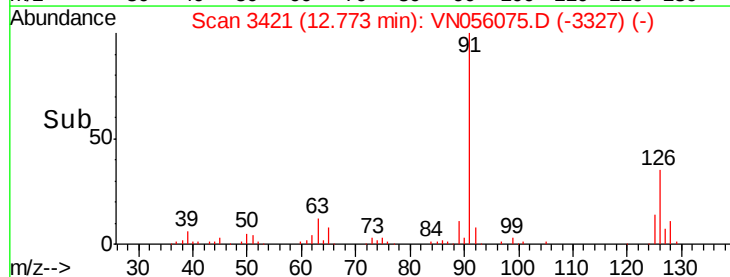
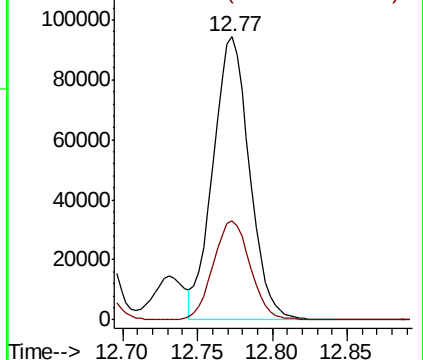
91 100

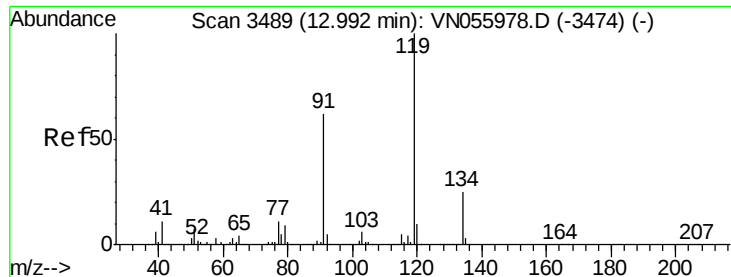
126 35.5 17.8 53.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

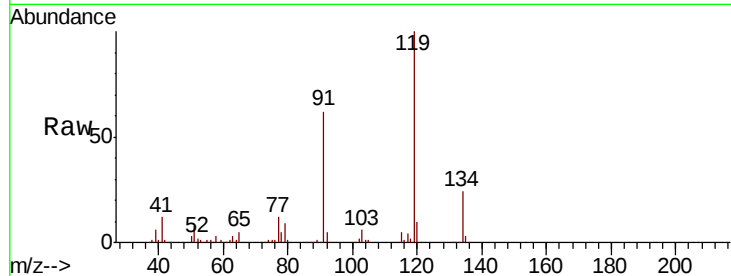




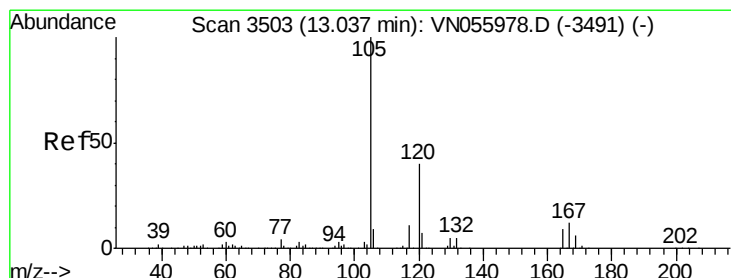
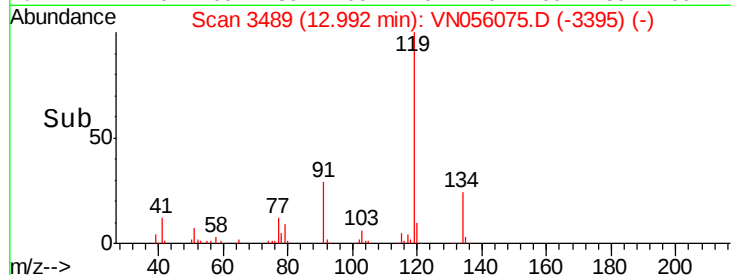
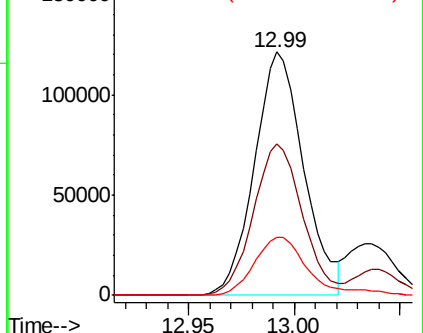
#83
 tert-Butylbenzene
 Concen: 22.488 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN056075.D
 Acq: 7 Jun 2019 4:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0607WBS02

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.7	30.9	92.8
134	26.3	13.3	39.8

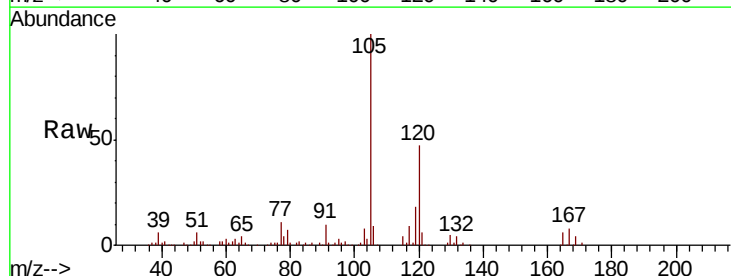


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

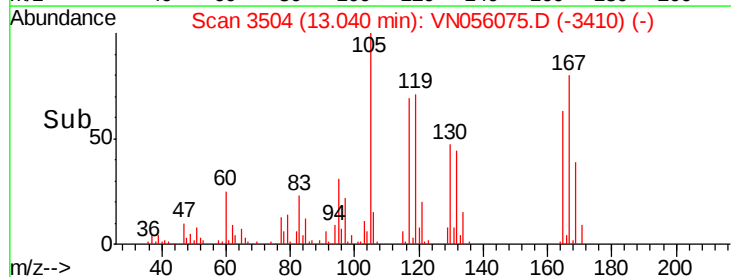
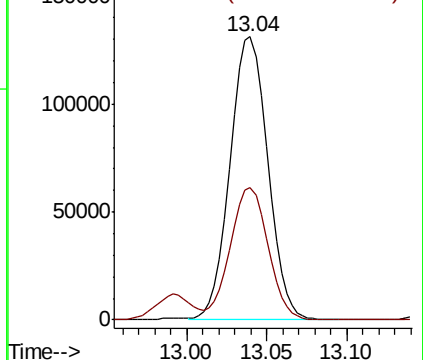


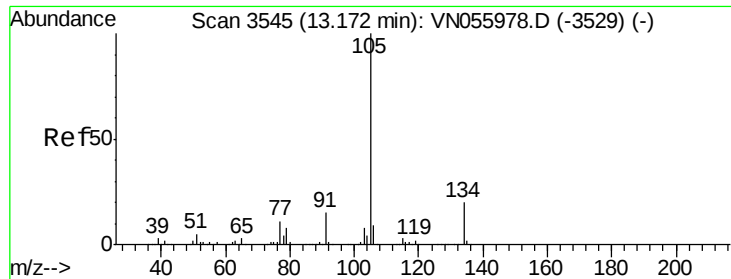
#84
 1,2,4-Trimethylbenzene
 Concen: 20.938 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN056075.D
 Acq: 7 Jun 2019 4:19

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.0	23.0	69.0



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





#85

sec-Butylbenzene

Concen: 20.788 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN056075.D

Acq: 7 Jun 2019 4:19

Instrument :

MSVOA_N

ClientSampleId :

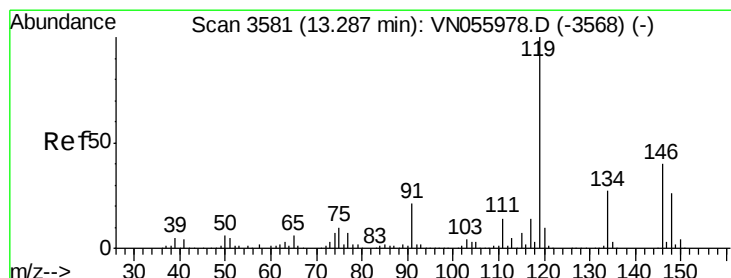
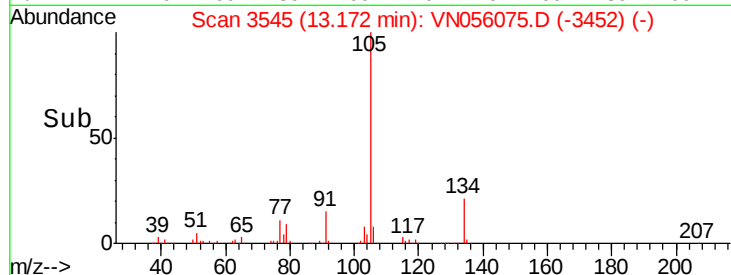
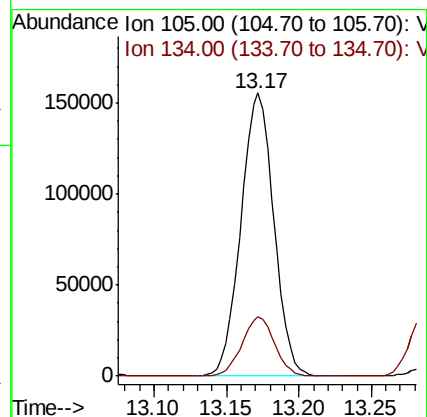
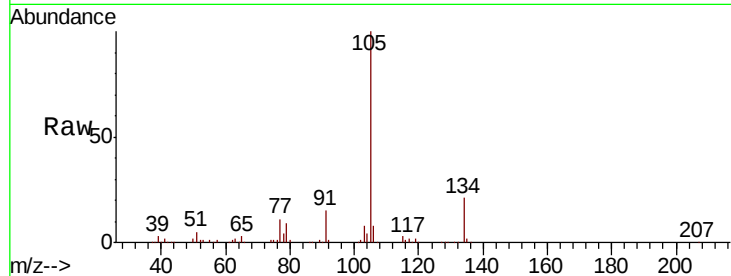
VN0607WBS02

Tot Ion:105 Resp: 245607

Ion Ratio Lower Upper

105 100

134 20.7 10.4 31.2



#86

p-Isopropyltoluene

Concen: 20.332 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056075.D

Acq: 7 Jun 2019 4:19

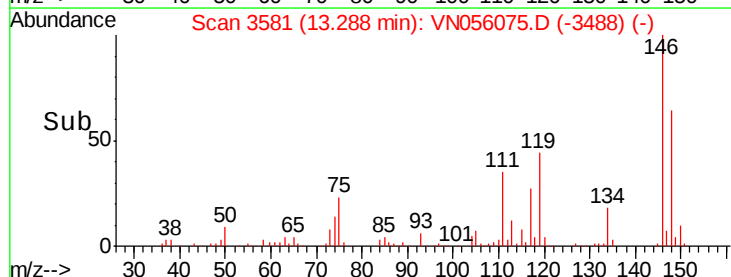
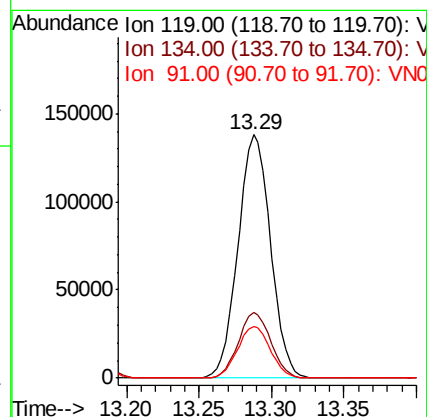
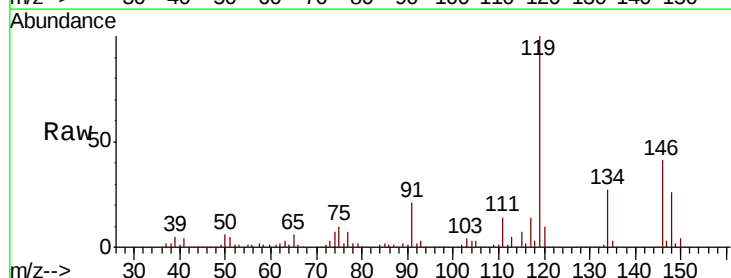
Tgt Ion:119 Resp: 214981

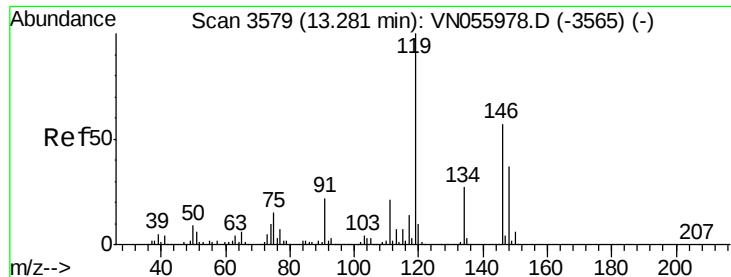
Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.1

91 21.4 10.9 32.9

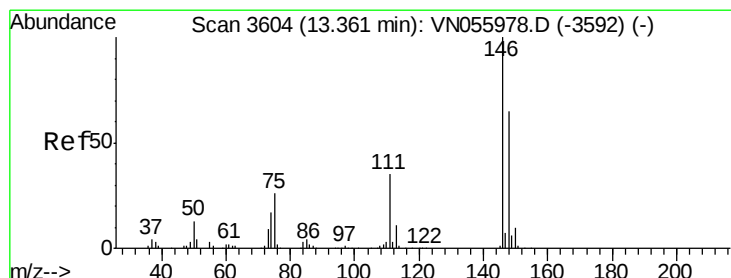
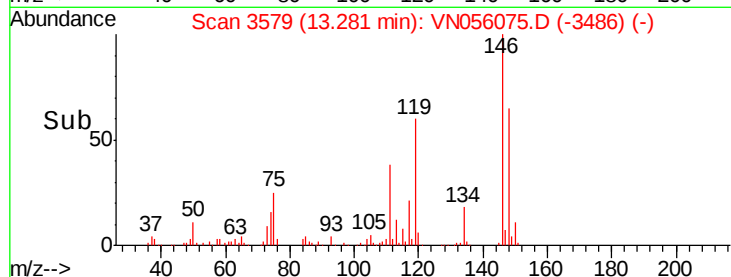
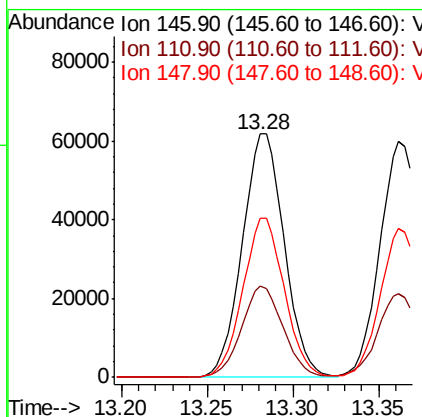
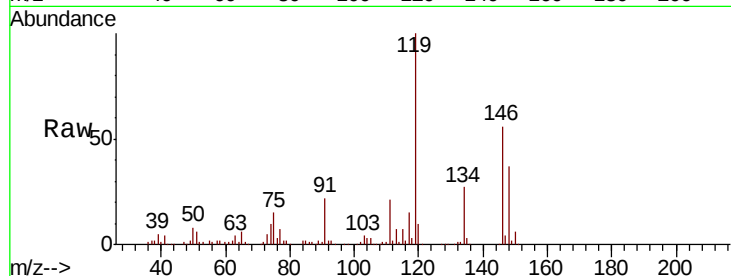




#87
 1,3-Dichlorobenzene
 Concen: 20.075 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056075.D
 Acq: 7 Jun 2019 4:19

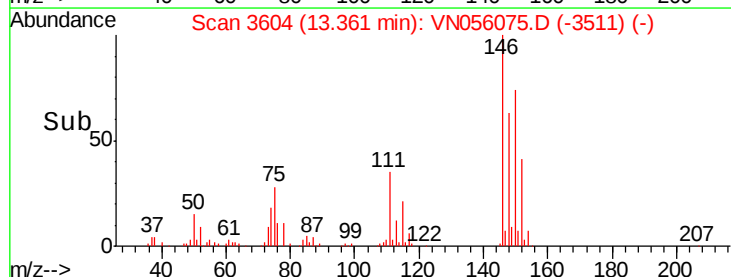
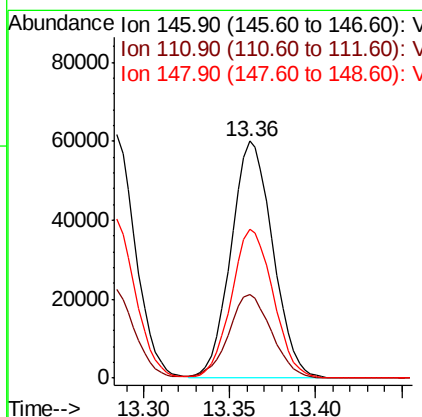
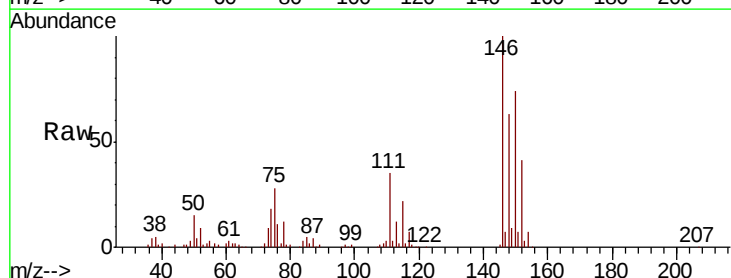
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0607WBS02

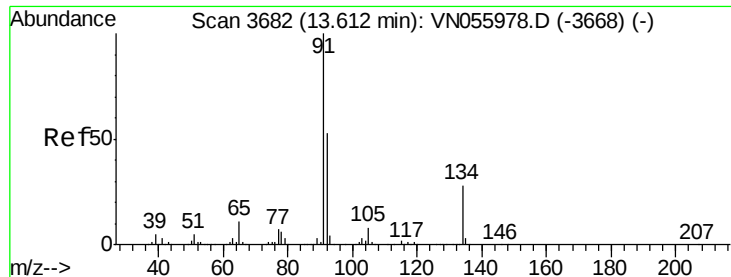
Tot Ion:146 Resp: 104902
 Ion Ratio Lower Upper
 146 100
 111 36.9 18.5 55.5
 148 64.7 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 20.293 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056075.D
 Acq: 7 Jun 2019 4:19

Tgt Ion:146 Resp: 102007
 Ion Ratio Lower Upper
 146 100
 111 36.4 18.1 54.4
 148 62.9 32.1 96.5

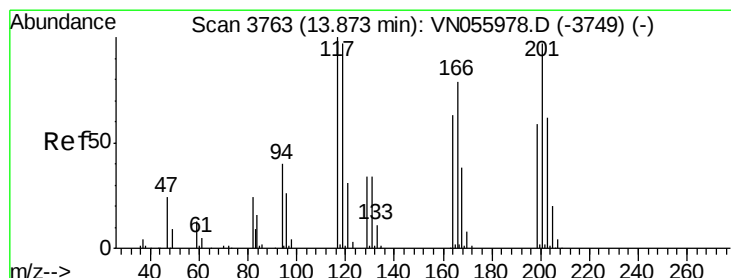
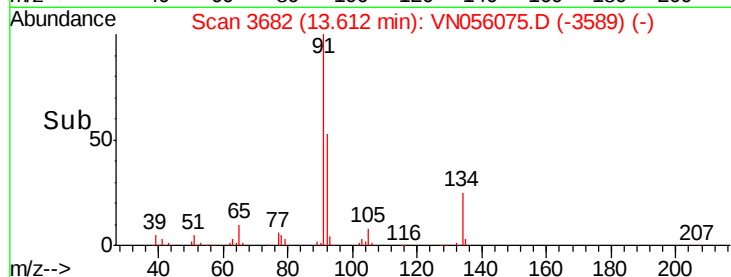
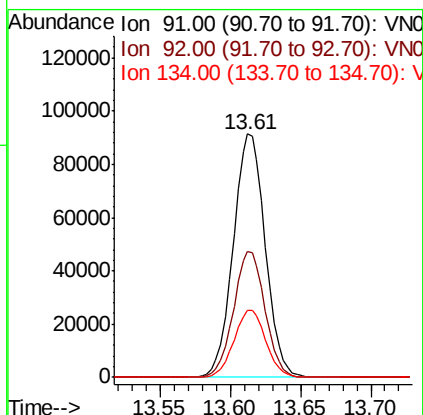
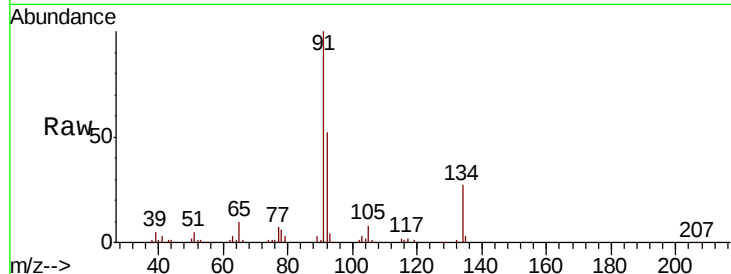




#89
n-Butylbenzene
Concen: 18.471 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN056075.D
Acq: 7 Jun 2019 4:19

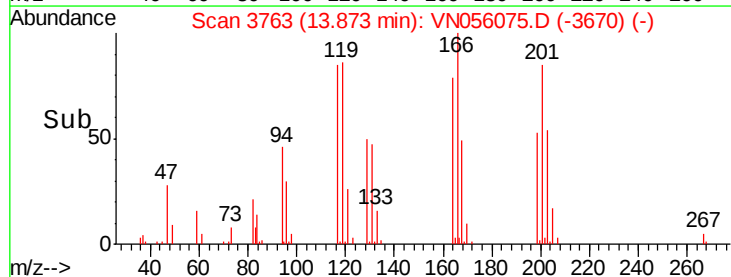
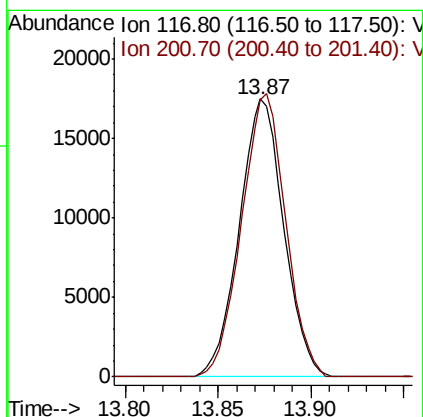
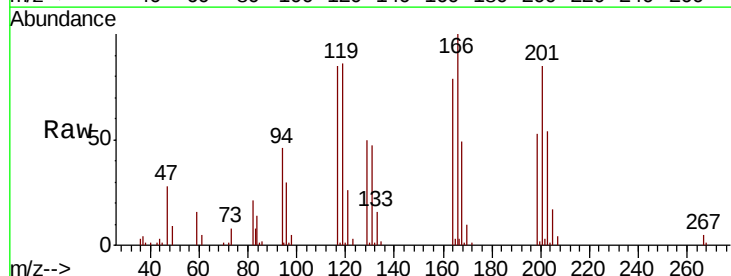
Instrument :
MSVOA_N
ClientSampleId :
VN0607WBS02

Tot Ion: 91 Resp: 144680
Ion Ratio Lower Upper
91 100
92 51.0 26.4 79.0
134 27.4 13.9 41.7



#90
Hexachloroethane
Concen: 18.227 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN056075.D
Acq: 7 Jun 2019 4:19

Tgt Ion: 117 Resp: 29065
Ion Ratio Lower Upper
117 100
201 100.9 50.0 150.0





#91

1,2-Dichlorobenzene

Concen: 21.326 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN056075.D

Acq: 7 Jun 2019 4:19

Instrument :

MSVOA_N

ClientSampled :

VN0607WBS02

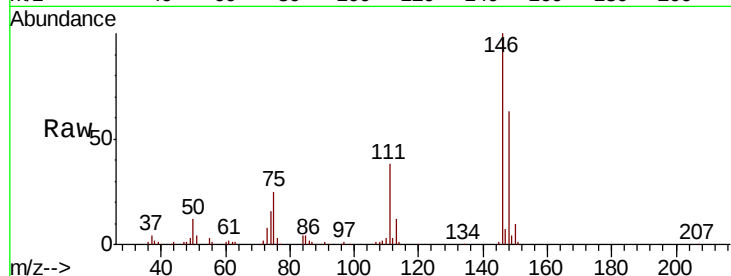
Tot Ion:146 Resp: 112508

Ion Ratio Lower Upper

146 100

111 37.6 19.1 57.5

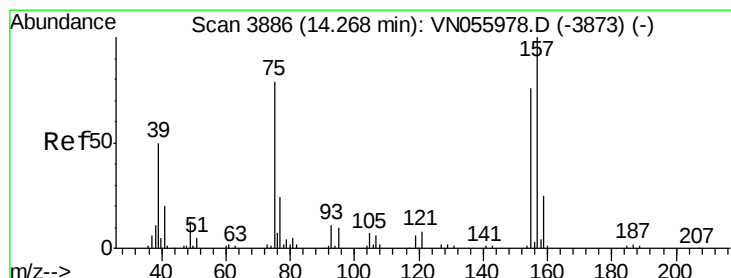
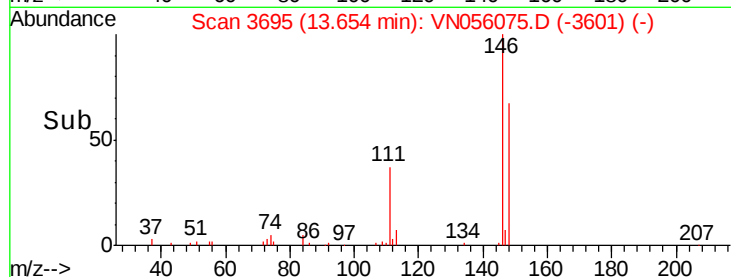
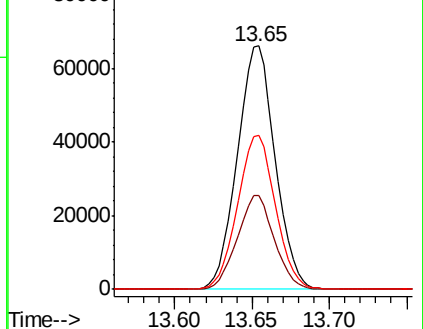
148 63.2 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.724 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN056075.D

Acq: 7 Jun 2019 4:19

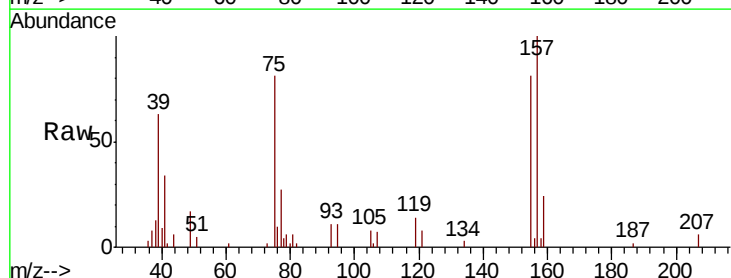
Tgt Ion: 75 Resp: 10851

Ion Ratio Lower Upper

75 100

155 100.3 50.0 150.1

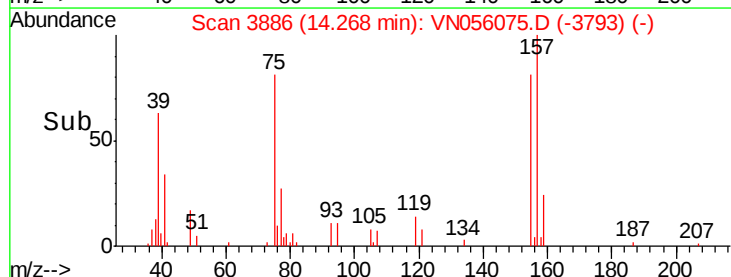
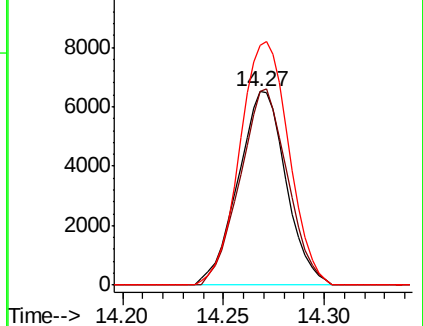
157 128.7 64.8 194.3

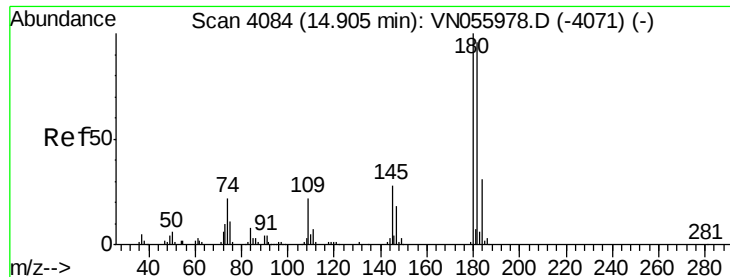


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

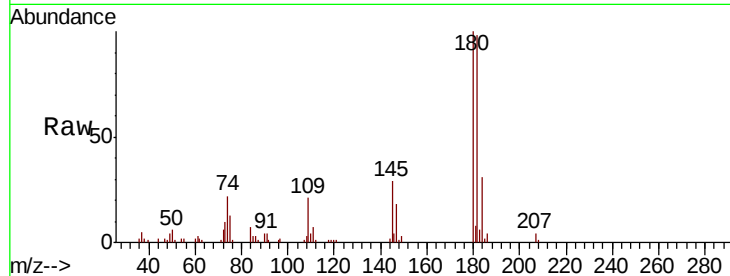




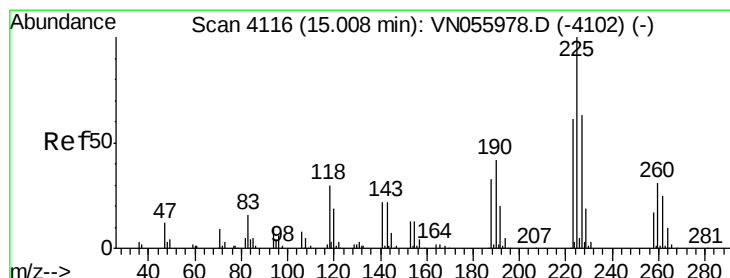
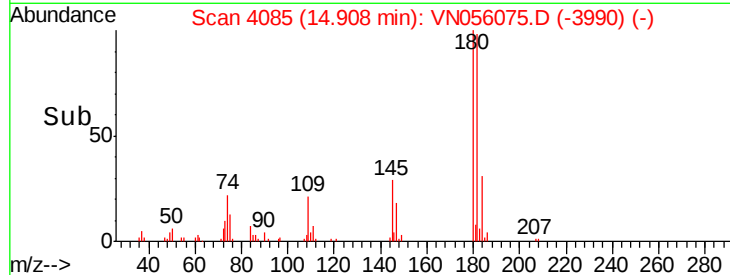
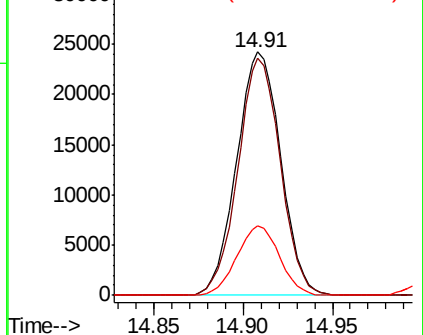
#93
 1,2,4-Trichlorobenzene
 Concen: 17.373 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056075.D
 Acq: 7 Jun 2019 4:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0607WBS02

Tot Ion:180 Resp: 41651
 Ion Ratio Lower Upper
 180 100
 182 93.5 48.3 144.9
 145 27.5 14.0 41.9

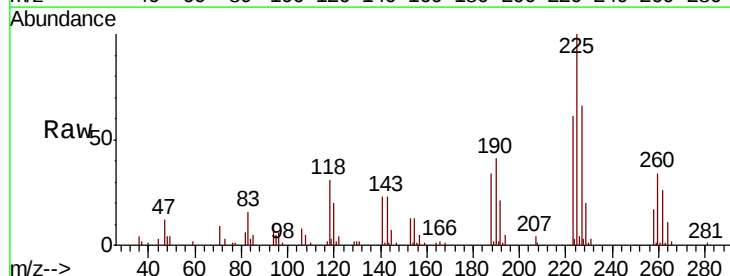


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

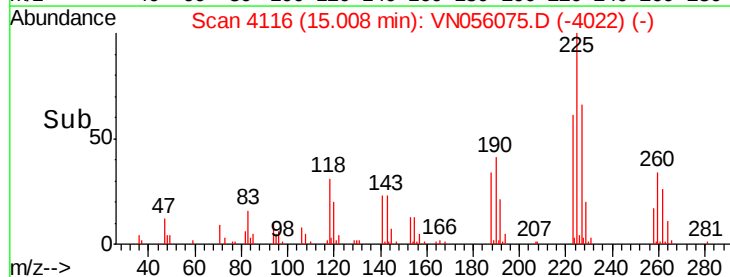
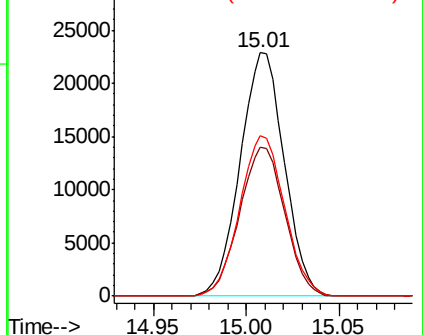


#94
 Hexachlorobutadiene
 Concen: 19.586 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056075.D
 Acq: 7 Jun 2019 4:19

Tgt Ion:225 Resp: 37734
 Ion Ratio Lower Upper
 225 100
 223 62.7 30.9 92.7
 227 67.0 31.6 94.7



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





#95

Naphthalene

Concen: 18.069 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN056075.D

Acq: 7 Jun 2019 4:19

Instrument :

MSVOA_N

ClientSampleId :

VN0607WBS02

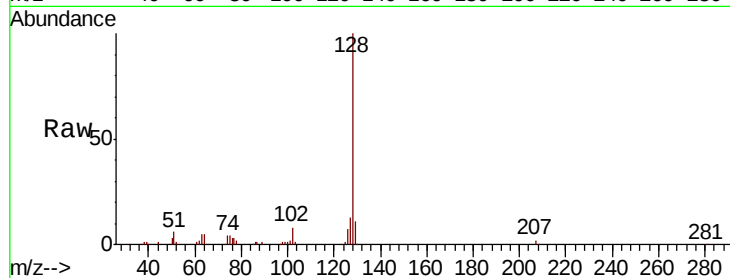
Tot Ion:128 Resp: 116191

Ion Ratio Lower Upper

128 100

127 12.8 10.3 15.5

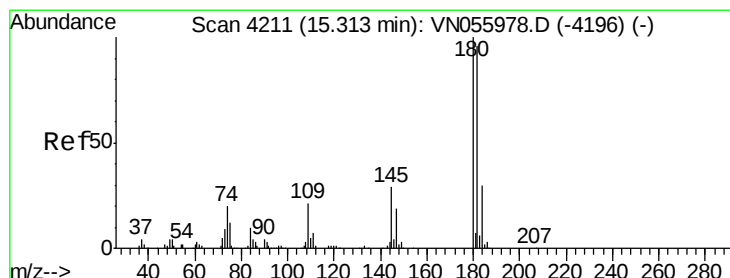
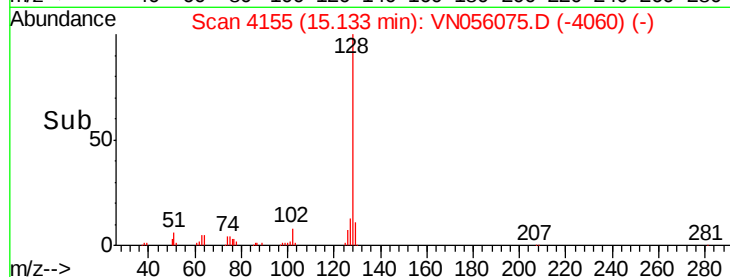
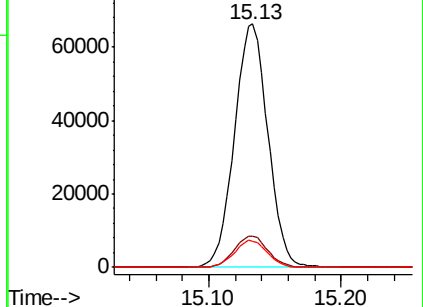
129 10.8 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 18.845 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056075.D

Acq: 7 Jun 2019 4:19

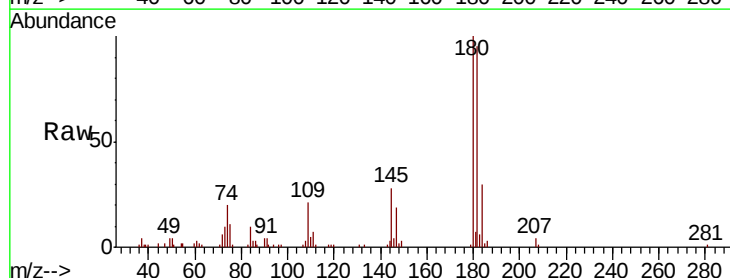
Tgt Ion:180 Resp: 49877

Ion Ratio Lower Upper

180 100

182 95.8 47.9 143.7

145 28.6 14.9 44.7



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

