

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041919\
 Data File : VN055147.D
 Acq On : 19 Apr 2019 19:04
 Operator : JC/SP
 Sample : VN0419WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0419WBS02

Quant Time: Apr 20 04:25:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 15 12:28:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	392976	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	644478	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	545091	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	205957	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	267793	51.27	ug/l	0.00
Spiked Amount			Recovery	=	102.54%	
35) Dibromofluoromethane	7.59	113	210725	48.93	ug/l	0.00
Spiked Amount			Recovery	=	97.86%	
50) Toluene-d8	10.09	98	747699	48.50	ug/l	0.00
Spiked Amount			Recovery	=	97.00%	
62) 4-Bromofluorobenzene	12.40	95	239504	47.79	ug/l	0.00
Spiked Amount			Recovery	=	95.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	81570	18.265	ug/l	99
3) Chloromethane	2.06	50	100632	17.276	ug/l	97
4) Vinyl Chloride	2.19	62	85377	17.438	ug/l	99
5) Bromomethane	2.56	94	47443	17.129	ug/l	98
6) Chloroethane	2.70	64	47717	18.073	ug/l	96
7) Trichlorofluoromethane	3.01	101	129331	21.122	ug/l	96
8) Diethyl Ether	3.41	74	50679	25.929	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	78945	24.637	ug/l	99
10) Methyl Iodide	3.95	142	103304	20.774	ug/l	95
11) Tert butyl alcohol	4.80	59	41600	145.289	ug/l #	84
12) 1,1-Dichloroethene	3.74	96	76309	24.465	ug/l	87
13) Acrolein	3.61	56	25750	72.758	ug/l	95
14) Allyl chloride	4.33	41	157183	20.588	ug/l	99
15) Acrylonitrile	5.00	53	201724	117.755	ug/l	100
16) Acetone	3.82	43	166475	117.419	ug/l	92
17) Carbon Disulfide	4.05	76	170372	16.921	ug/l	98
18) Methyl Acetate	4.33	43	102005	24.742	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	249750	22.384	ug/l	99
20) Methylene Chloride	4.55	84	94545	18.970	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	81656	19.357	ug/l	96
22) Diisopropyl ether	5.96	45	338375	21.559	ug/l	96
23) Vinyl Acetate	5.90	43	1193136	115.011	ug/l	99
24) 1,1-Dichloroethane	5.85	63	172809	20.676	ug/l	99
25) 2-Butanone	6.84	43	256981	121.445	ug/l	99
26) 2,2-Dichloropropane	6.83	77	111653	21.166	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	95619	20.035	ug/l	96
28) Bromochloromethane	7.20	49	85668	21.263	ug/l	99
29) Tetrahydrofuran	7.21	42	174839	125.999	ug/l	99
30) Chloroform	7.37	83	166333	20.488	ug/l	98
31) Cyclohexane	7.66	56	150919	19.666	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	133523	20.759	ug/l	98
36) 1,1-Dichloropropene	7.80	75	115319	18.981	ug/l	98
37) Ethyl Acetate	6.93	43	107216	21.677	ug/l #	95
38) Carbon Tetrachloride	7.77	117	109211	18.894	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	117996	17.923	ug/l	98
40) Benzene	8.04	78	361998	19.770	ug/l	99
41) Methacrylonitrile	7.18	41	56003	20.398	ug/l	94
42) 1,2-Dichloroethane	8.13	62	130884	20.588	ug/l	99
43) Isopropyl Acetate	8.17	43	179824	23.595	ug/l	99
44) Trichloroethene	8.84	130	92212	20.106	ug/l	95
45) 1,2-Dichloropropane	9.12	63	105259	20.613	ug/l	99
46) Dibromomethane	9.21	93	60501	20.815	ug/l	97
47) Bromodichloromethane	9.40	83	123149	20.550	ug/l	99
48) Methyl methacrylate	9.20	41	84635	22.405	ug/l	98
49) 1,4-Dioxane	9.20	88	20837	588.767	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	528660	120.069	ug/l	99
52) Toluene	10.16	92	210381	20.061	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	109508	20.910	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	135252	20.809	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	84299	20.864	ug/l	98
56) Ethyl methacrylate	10.43	69	109731	22.629	ug/l	98
57) 1,3-Dichloropropane	10.71	76	147686	21.468	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	199263	100.277	ug/l	99
59) 2-Hexanone	10.75	43	330997	119.688	ug/l	98
60) Dibromochloromethane	10.90	129	84437	21.401	ug/l	99
61) 1,2-Dibromoethane	11.01	107	80339	21.603	ug/l	99
64) Tetrachloroethene	10.63	164	83722	18.888	ug/l	99
65) Chlorobenzene	11.44	112	212079	19.329	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	85243	21.123	ug/l	98
67) Ethyl Benzene	11.51	91	384494	19.623	ug/l	100
68) m/p-Xylenes	11.62	106	281172	39.627	ug/l	99
69) o-Xylene	11.95	106	137035	19.940	ug/l	98
70) Styrene	11.96	104	225980	20.314	ug/l	99
71) Bromoform	12.13	173	50906	22.008	ug/l #	98
73) Isopropylbenzene	12.25	105	371558	20.330	ug/l	99
74) N-amyl acetate	12.07	43	122221	23.757	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	108895	22.267	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	123389	33.316	ug/l #	100
77) Bromobenzene	12.53	156	89130	19.562	ug/l	97
78) n-propylbenzene	12.59	91	398023	20.157	ug/l	100
79) 2-Chlorotoluene	12.68	91	244574	19.858	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	294729	19.983	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	22421	24.208	ug/l	95
82) 4-Chlorotoluene	12.77	91	231978	20.188	ug/l	99
83) tert-Butylbenzene	12.99	119	258991	20.793	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	280300	20.054	ug/l	99
85) sec-Butylbenzene	13.17	105	322096	20.294	ug/l	100
86) p-Isopropyltoluene	13.29	119	271687	19.953	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	141167	20.384	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	130450	19.753	ug/l	98
89) n-Butylbenzene	13.62	91	194178	19.210	ug/l	98
90) Hexachloroethane	13.87	117	46091	20.803	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	143784	20.635	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	14268	23.693	ug/l	97

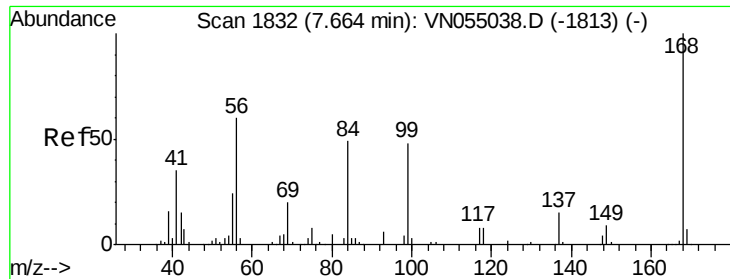
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Quant Title : SW846 8260
QLast Update : Mon Apr 15 12:28:28 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	47518	16.916	ug/l	100
94) Hexachlorobutadiene	15.01	225	43917	20.406	ug/l	96
95) Naphthalene	15.13	128	112381	17.352	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	52161	19.404	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055147.D

Acq: 19 Apr 2019 19:04

Instrument :

MSVOA_N

ClientSampled :

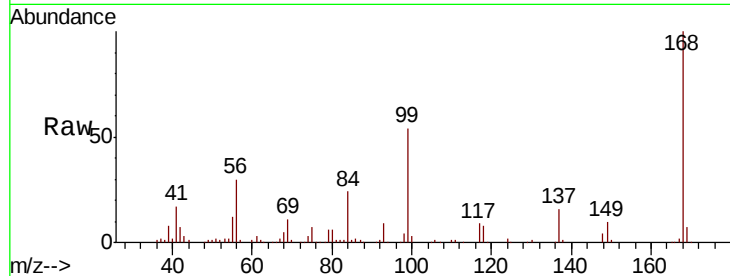
VN0419WBS02

Tot Ion:168 Resp: 392976

Ion Ratio Lower Upper

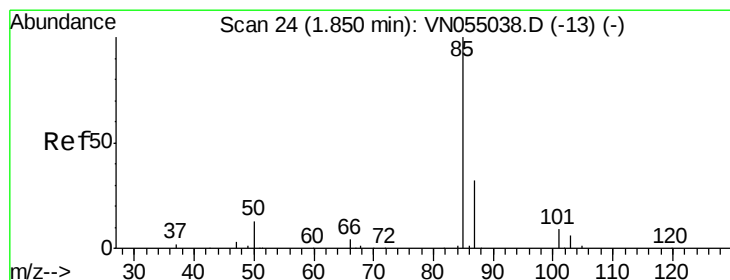
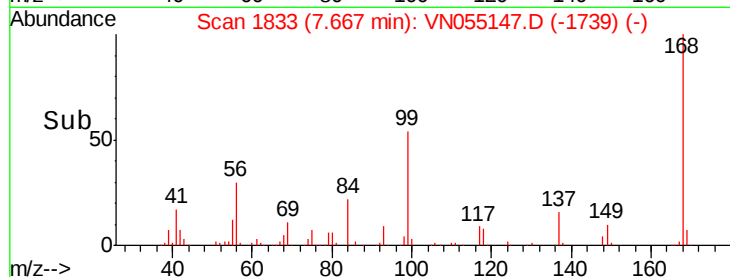
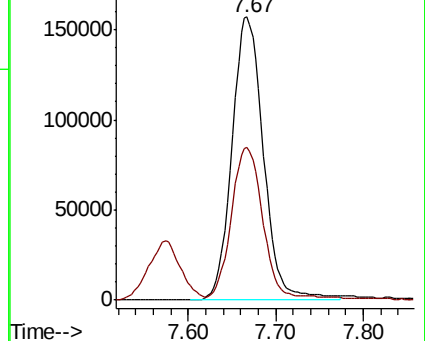
168 100

99 53.2 41.9 62.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 18.265 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN055147.D

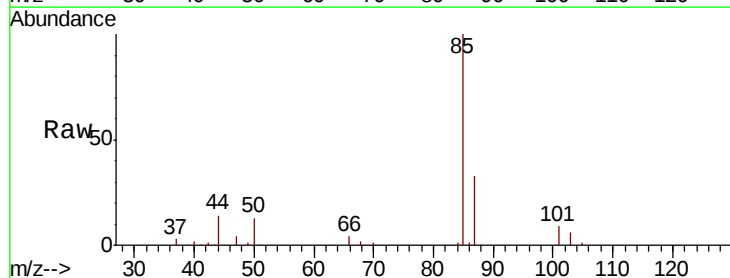
Acq: 19 Apr 2019 19:04

Tgt Ion: 85 Resp: 81570

Ion Ratio Lower Upper

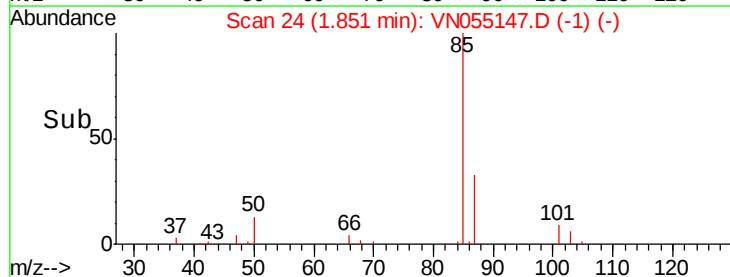
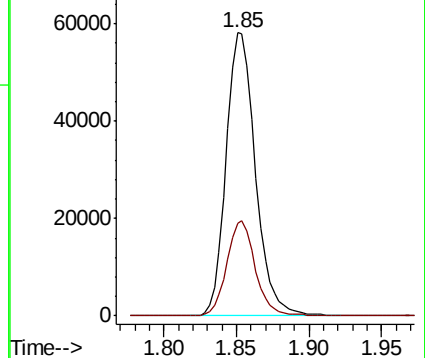
85 100

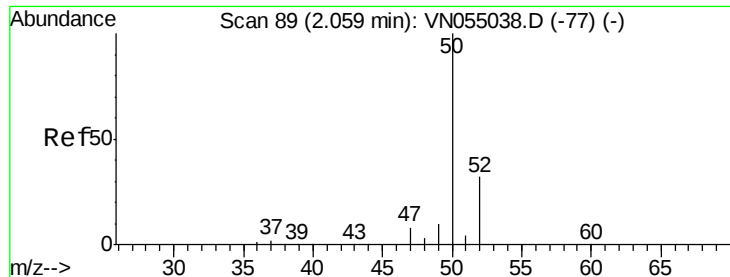
87 33.0 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0





#3

Chloromethane

Concen: 17.276 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN055147.D

Acq: 19 Apr 2019 19:04

Instrument :

MSVOA_N

ClientSampleId :

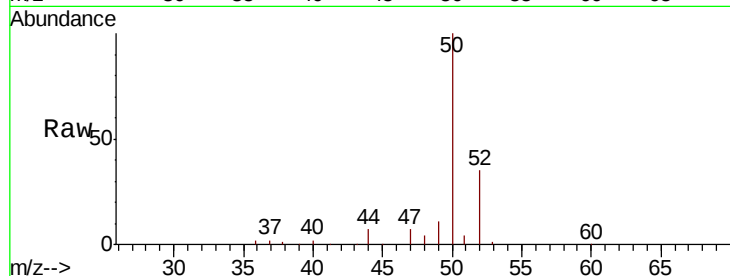
VN0419WBS02

Tot Ion: 50 Resp: 100632

Ion Ratio Lower Upper

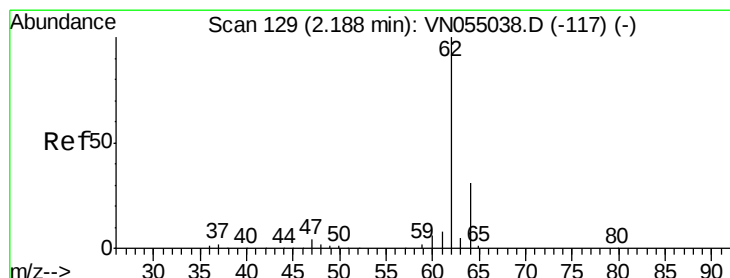
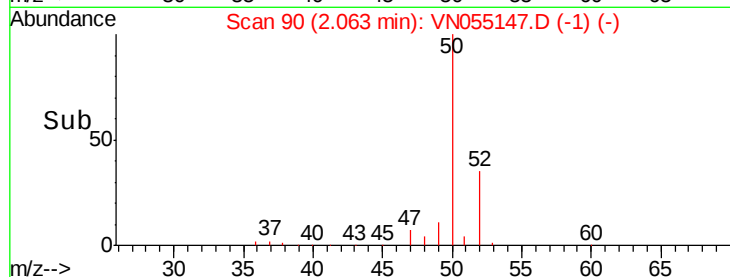
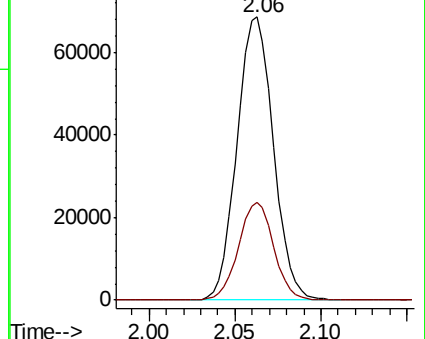
50 100

52 34.8 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: 17.438 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055147.D

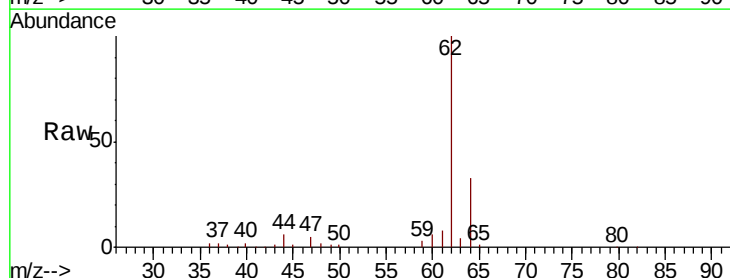
Acq: 19 Apr 2019 19:04

Tgt Ion: 62 Resp: 85377

Ion Ratio Lower Upper

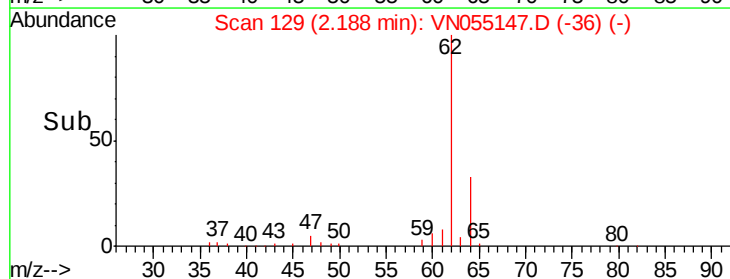
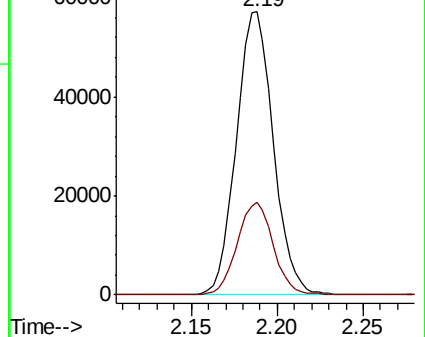
62 100

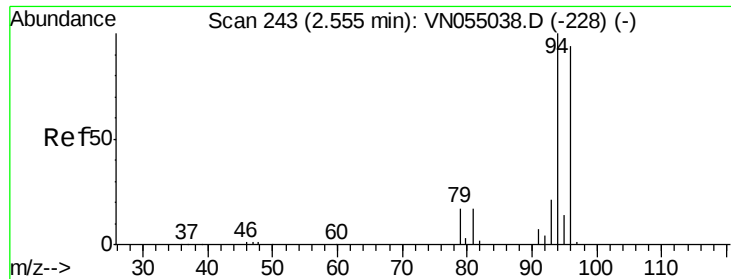
64 32.6 25.8 38.6



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 17.129 ug/l

RT: 2.56 min Scan# 244

Delta R.T. 0.00 min

Lab File: VN055147.D

Acq: 19 Apr 2019 19:04

Instrument :

MSVOA_N

ClientSampleId :

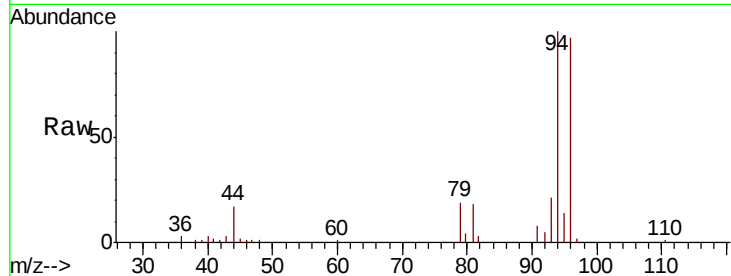
VN0419WBS02

Tot Ion: 94 Resp: 47443

Ion Ratio Lower Upper

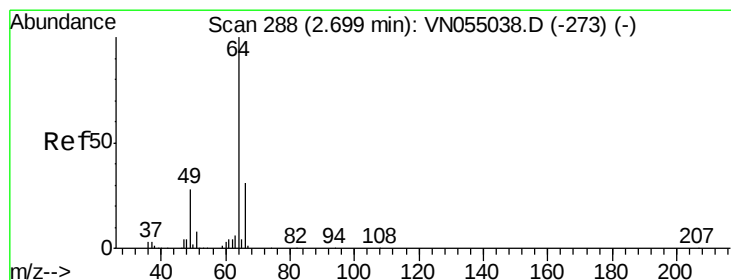
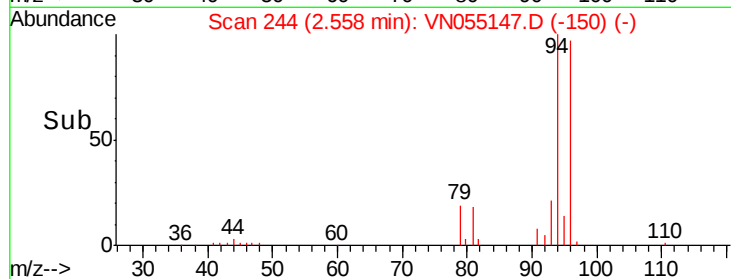
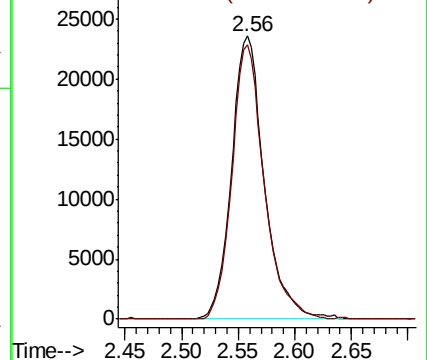
94 100

96 96.8 76.2 114.4



Abundance Ion 93.90 (93.60 to 94.60): VNC

Ion 95.90 (95.60 to 96.60): VNC



#6

Chloroethane

Concen: 18.073 ug/l

RT: 2.70 min Scan# 288

Delta R.T. 0.00 min

Lab File: VN055147.D

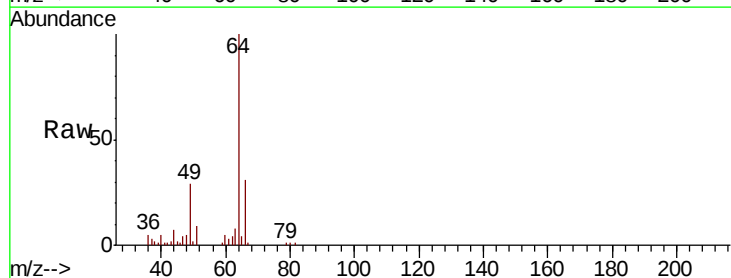
Acq: 19 Apr 2019 19:04

Tgt Ion: 64 Resp: 47717

Ion Ratio Lower Upper

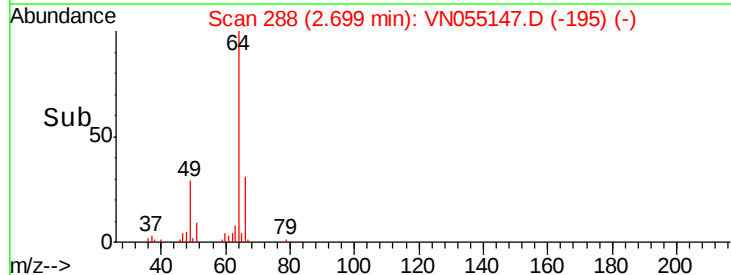
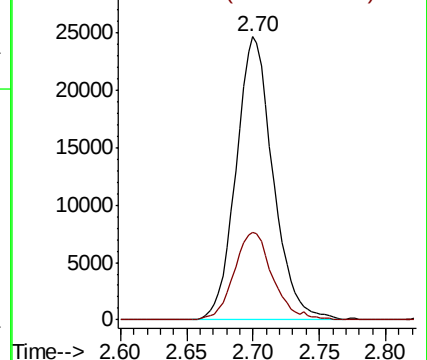
64 100

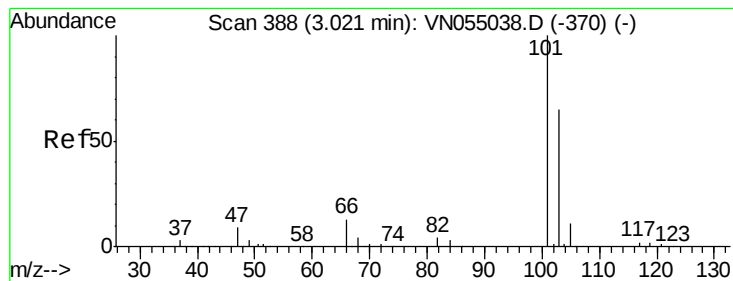
66 31.1 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VNC

Ion 65.90 (65.60 to 66.60): VNC



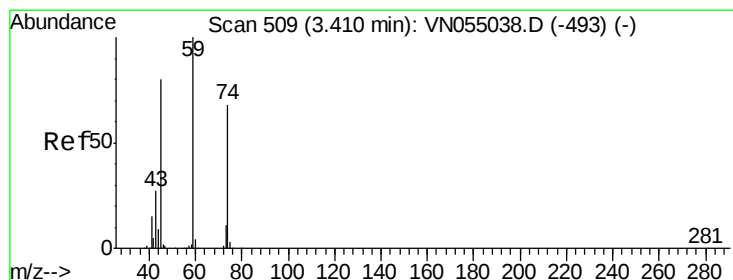
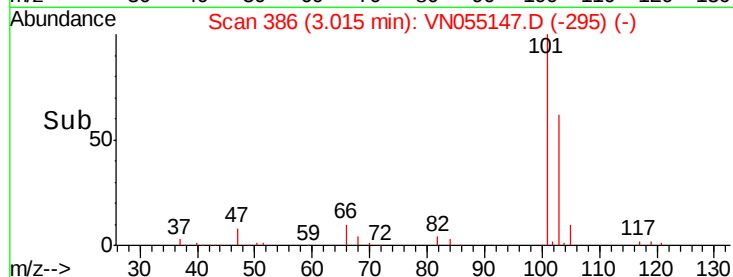
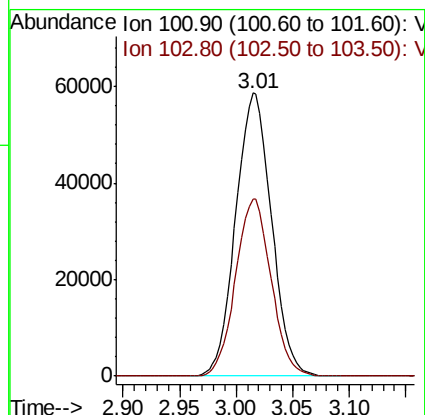
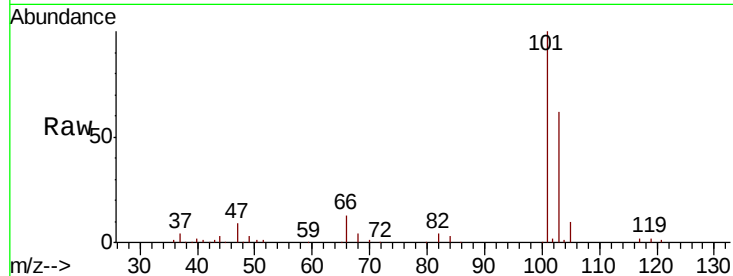


#7

Trichlorofluoromethane
 Concen: 21.122 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. -0.01 min
 Lab File: VN055147.D
 Acq: 19 Apr 2019 19:04

Instrument :
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 VN0419WBS02

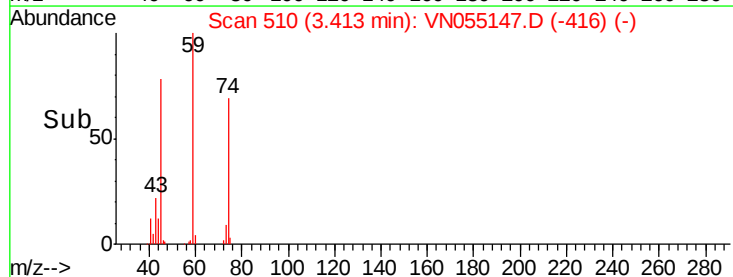
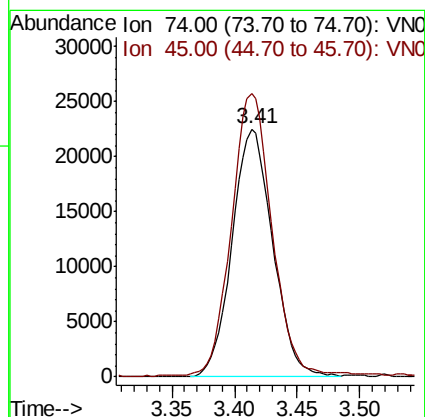
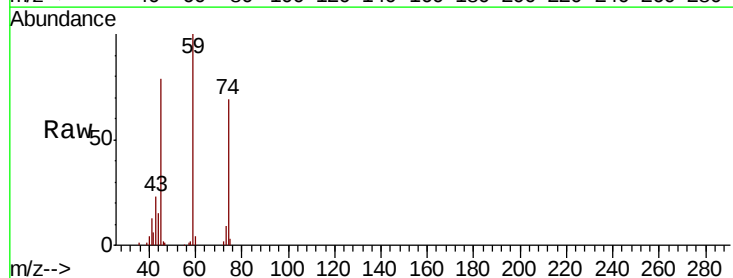
Tot Ion:101 Resp: 129331
 Ion Ratio Lower Upper
 101 100
 103 62.4 52.5 78.7

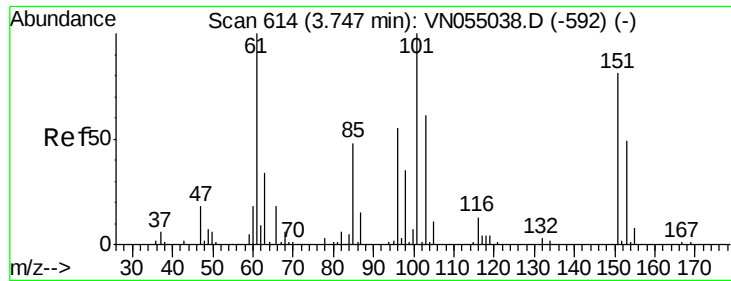


#8

Diethyl Ether
 Concen: 25.929 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN055147.D
 Acq: 19 Apr 2019 19:04

Tgt Ion: 74 Resp: 50679
 Ion Ratio Lower Upper
 74 100
 45 111.8 55.7 167.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 24.637 ug/l

RT: 3.76 min Scan# 618

Delta R.T. 0.01 min

Lab File: VN055147.D

Acq: 19 Apr 2019 19:04

Instrument :

MSVOA_N

ClientSampleId :

VN0419WBS02

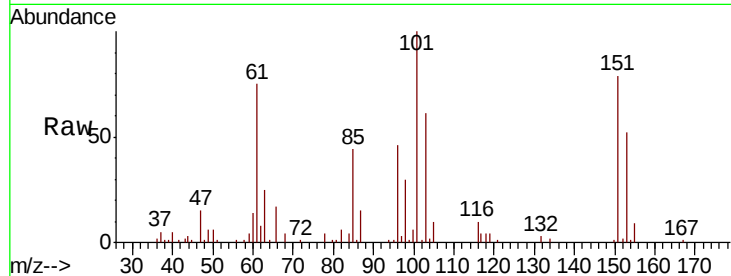
Tot Ion:101 Resp: 78945

Ion Ratio Lower Upper

101 100

85 44.7 36.9 55.3

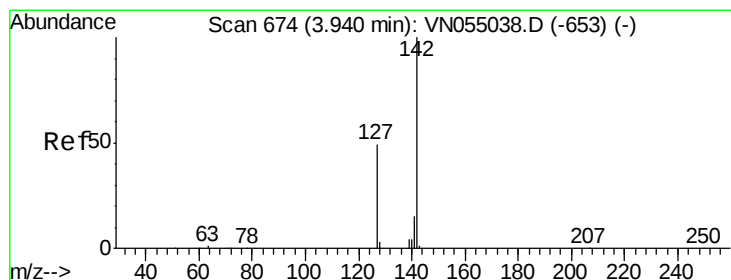
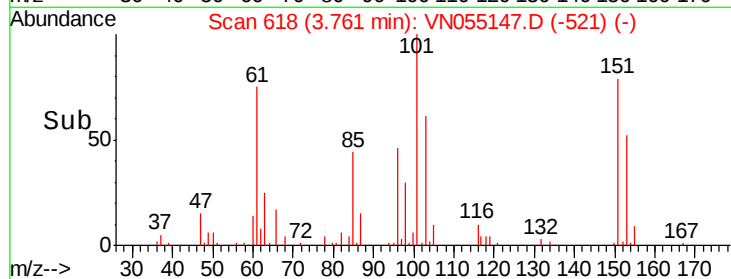
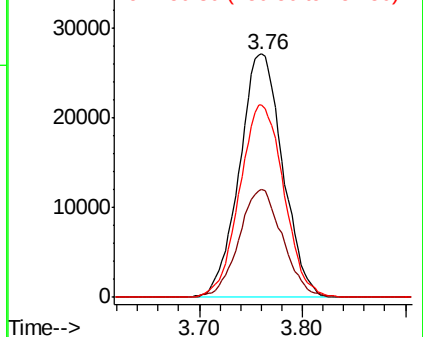
151 80.9 64.4 96.6



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: 20.774 ug/l

RT: 3.95 min Scan# 678

Delta R.T. 0.01 min

Lab File: VN055147.D

Acq: 19 Apr 2019 19:04

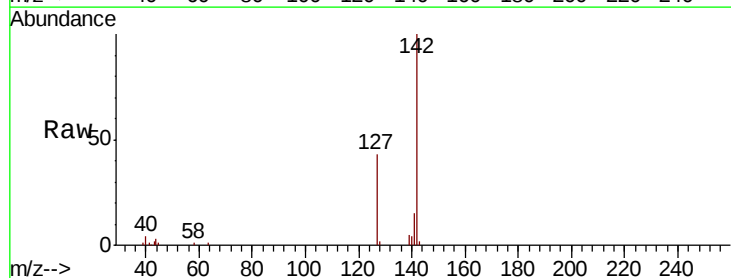
Tgt Ion:142 Resp: 103304

Ion Ratio Lower Upper

142 100

127 42.6 37.9 56.9

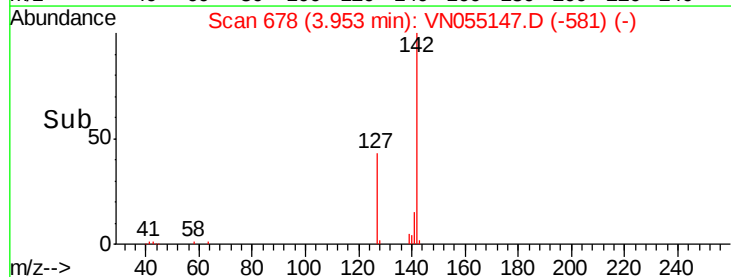
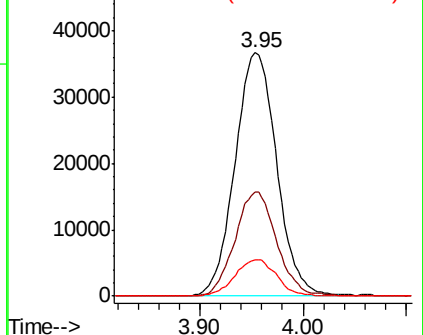
141 14.9 11.8 17.8

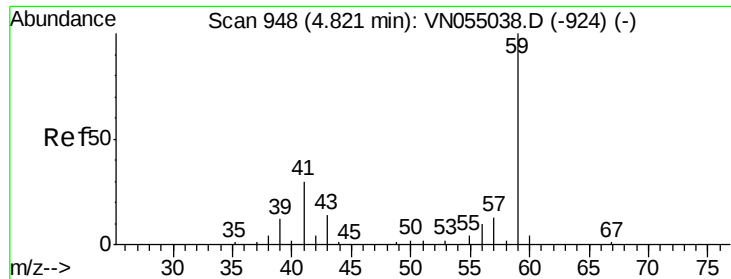


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



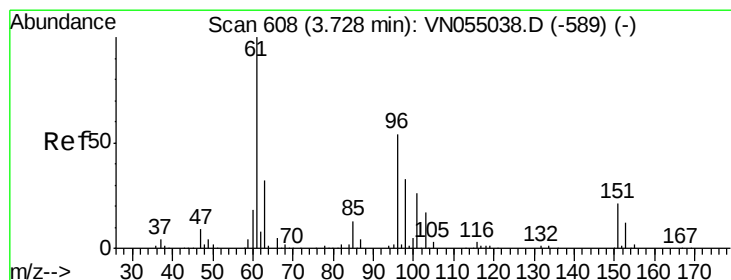
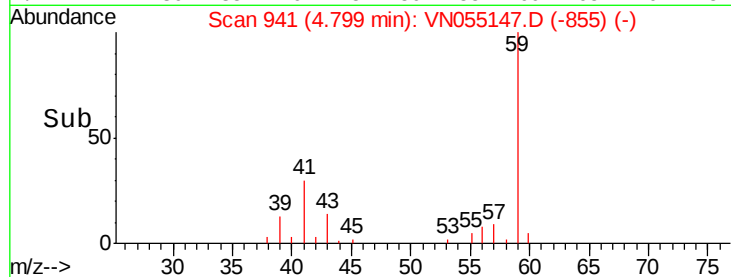
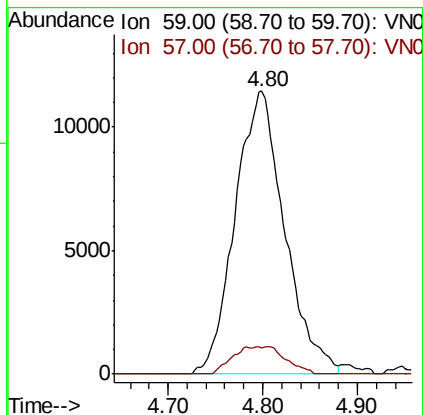
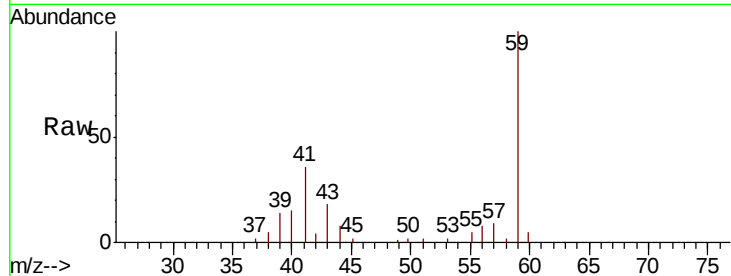


#11

Tert butyl alcohol
 Concen: 145.289 ug/l
 RT: 4.80 min Scan# 941
 Delta R.T. -0.02 min
 Lab File: VN055147.D
 Acq: 19 Apr 2019 19:04

Instrument :
 MSVOA_N
 ClientSampled :
 VN0419WBS02

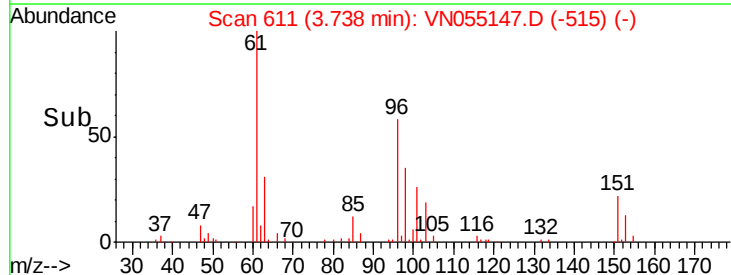
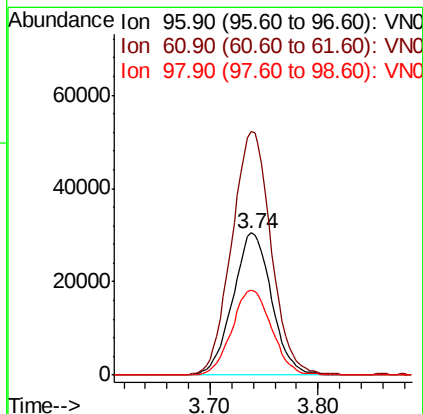
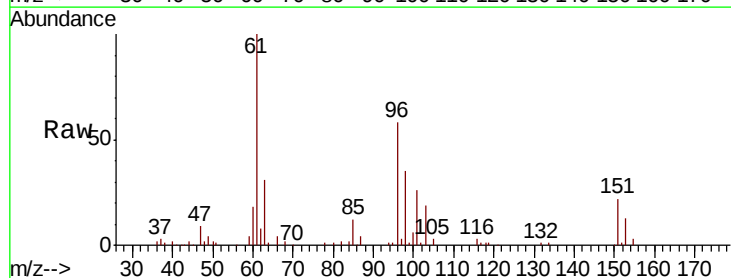
Tot Ion: 59 Resp: 41600
 Ion Ratio Lower Upper
 59 100
 57 4.3 8.3 12.5#

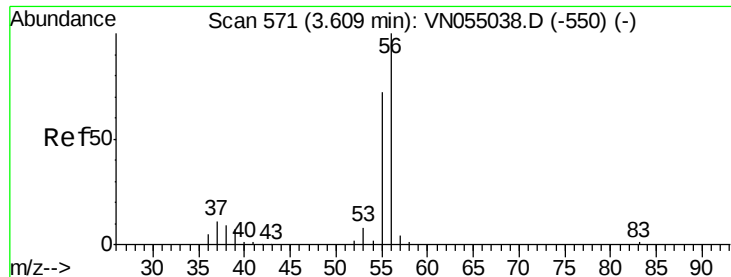


#12

1,1-Dichloroethene
 Concen: 24.465 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. 0.01 min
 Lab File: VN055147.D
 Acq: 19 Apr 2019 19:04

Tgt Ion: 96 Resp: 76309
 Ion Ratio Lower Upper
 96 100
 61 171.0 154.2 231.4
 98 59.9 52.9 79.3





#13

Acrolein

Concen: 72.758 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.00 min

Lab File: VN055147.D

Acq: 19 Apr 2019 19:04

Instrument :

MSVOA_N

ClientSampleId :

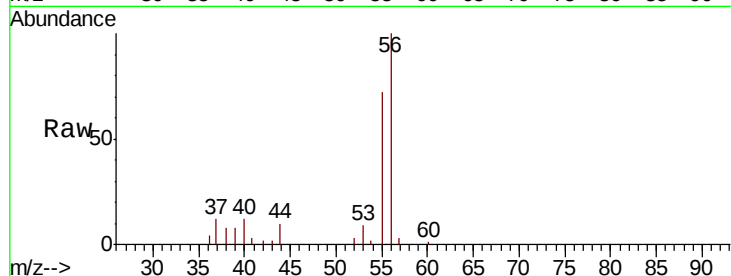
VN0419WBS02

Tot Ion: 56 Resp: 25750

Ion Ratio Lower Upper

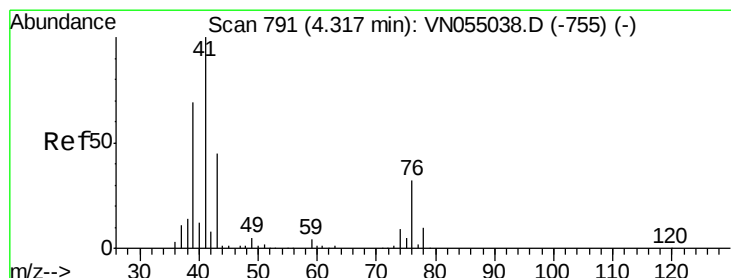
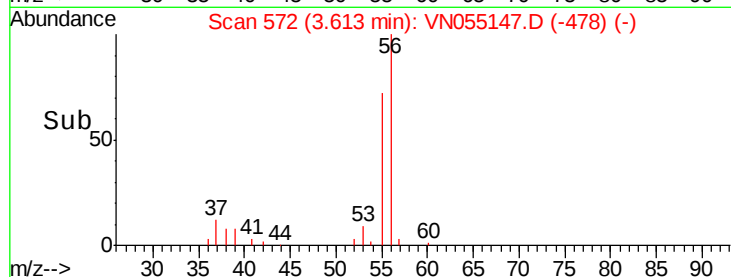
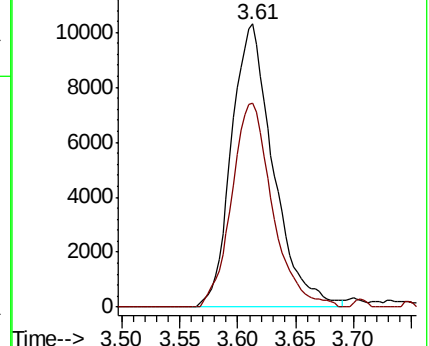
56 100

55 70.2 59.5 89.3



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 20.588 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.01 min

Lab File: VN055147.D

Acq: 19 Apr 2019 19:04

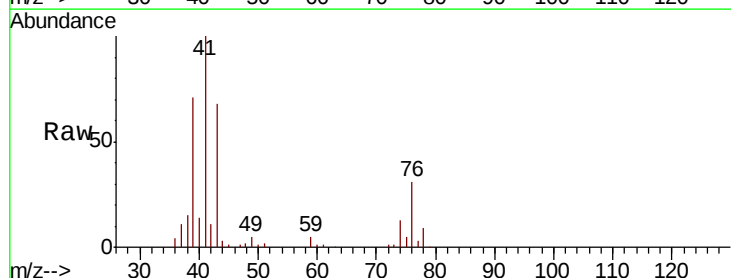
Tgt Ion: 41 Resp: 157183

Ion Ratio Lower Upper

41 100

39 65.5 52.7 79.1

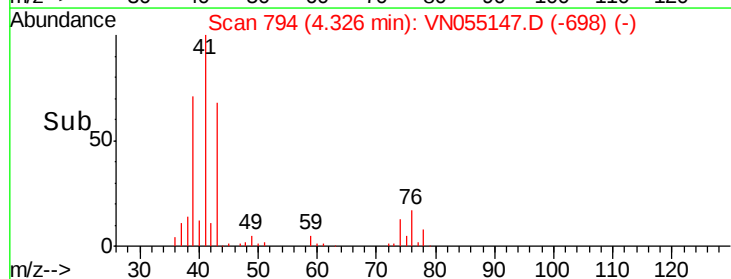
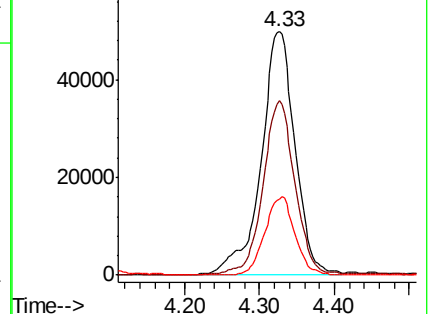
76 28.6 23.2 34.8

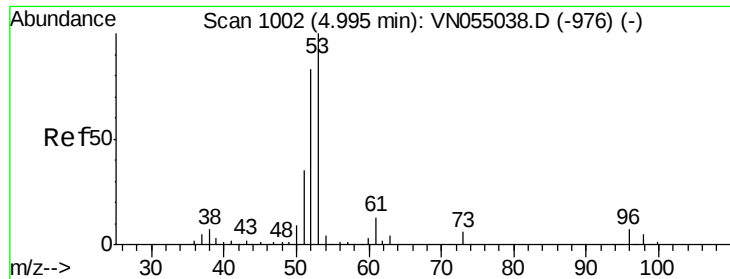


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 117.755 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.00 min

Lab File: VN055147.D

Acq: 19 Apr 2019 19:04

Instrument :

MSVOA_N

ClientSampled :

VN0419WBS02

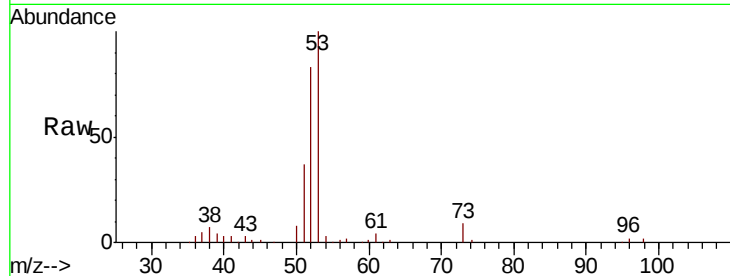
Tot Ion: 53 Resp: 201724

Ion Ratio Lower Upper

53 100

52 82.0 65.9 98.9

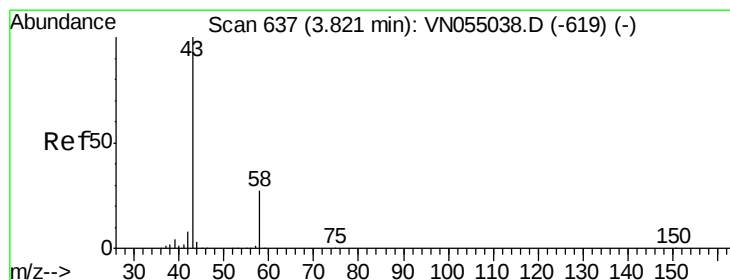
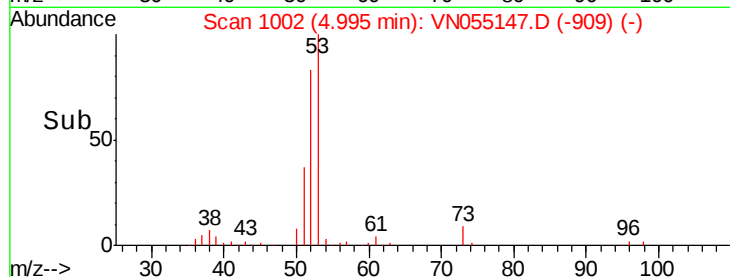
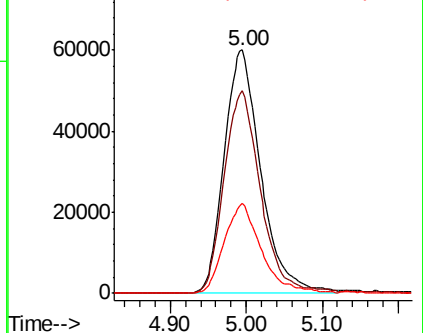
51 37.3 29.7 44.5



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: 117.419 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN055147.D

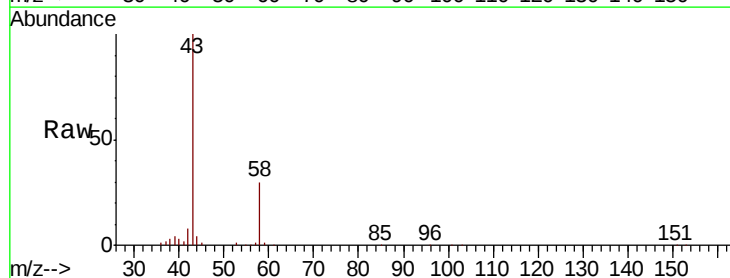
Acq: 19 Apr 2019 19:04

Tgt Ion: 43 Resp: 166475

Ion Ratio Lower Upper

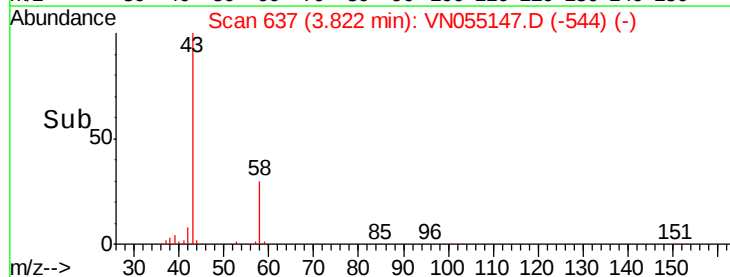
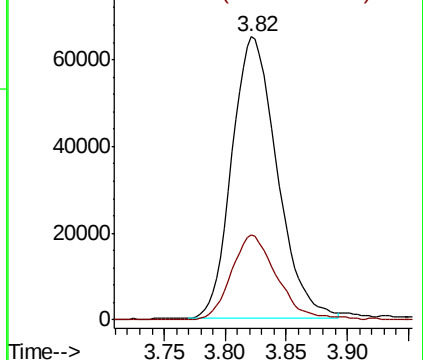
43 100

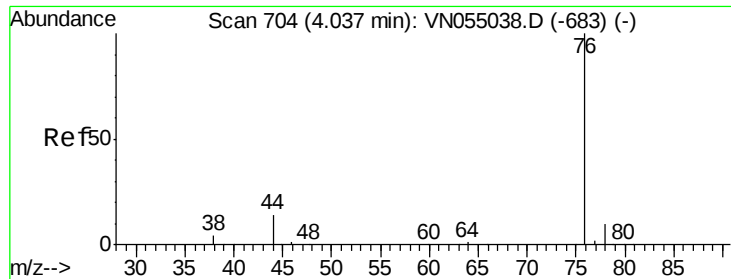
58 30.2 20.9 31.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

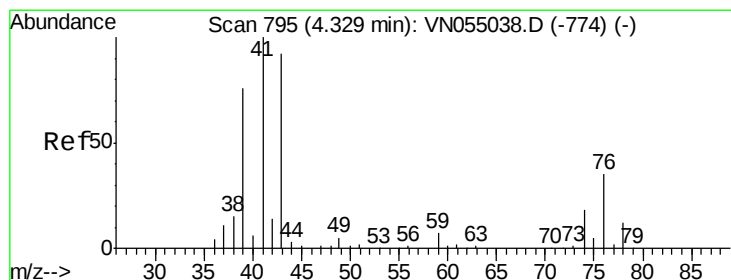
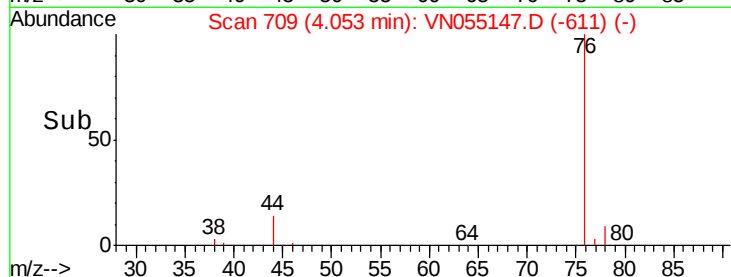
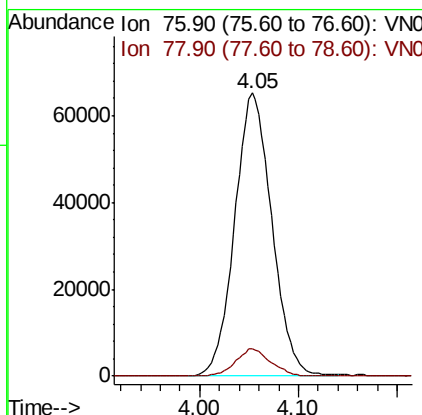
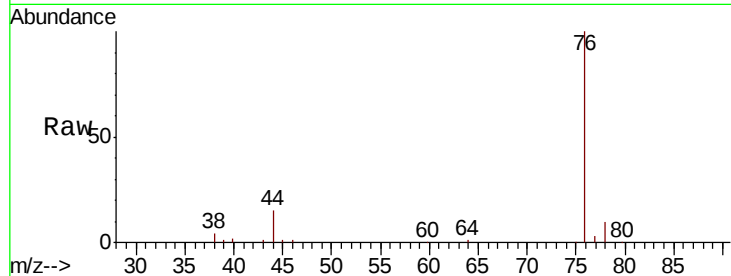




#17
Carbon Disulfide
Concen: 16.921 ug/l
RT: 4.05 min Scan# 709
Delta R.T. 0.02 min
Lab File: VN055147.D
Acq: 19 Apr 2019 19:04

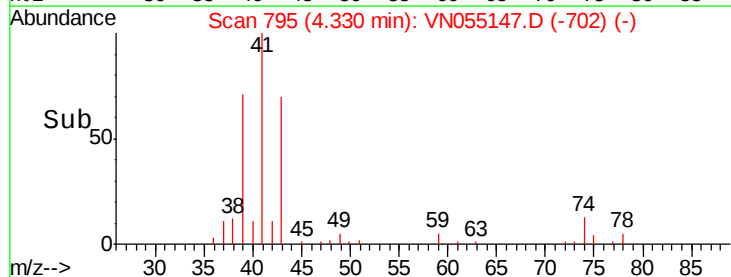
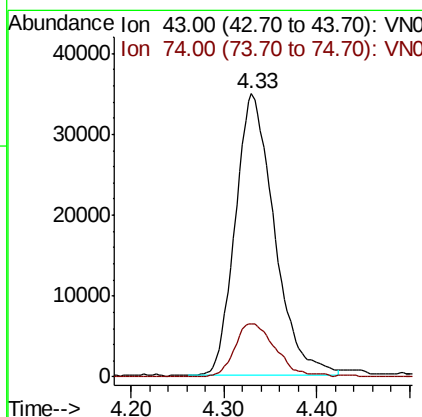
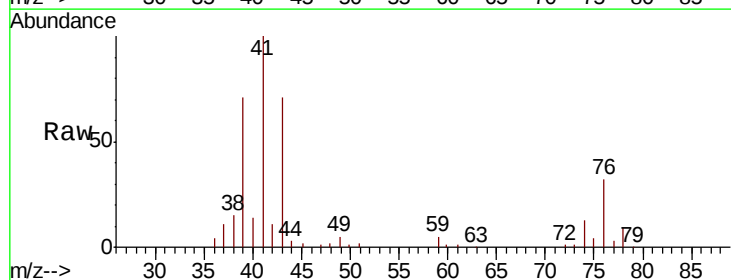
Instrument :
MSVOA_N
ClientSampled :
VN0419WBS02

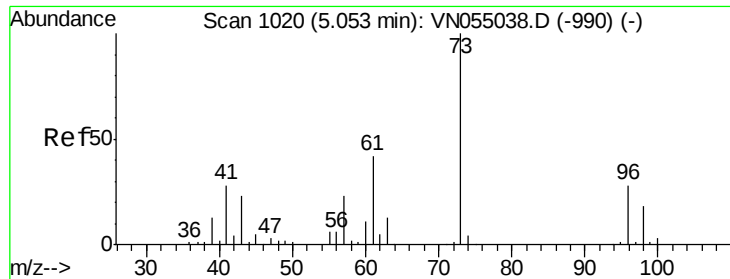
Tot Ion: 76 Resp: 170372
Ion Ratio Lower Upper
76 100
78 9.7 7.2 10.8



#18
Methyl Acetate
Concen: 24.742 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN055147.D
Acq: 19 Apr 2019 19:04

Tgt Ion: 43 Resp: 102005
Ion Ratio Lower Upper
43 100
74 19.5 16.1 24.1

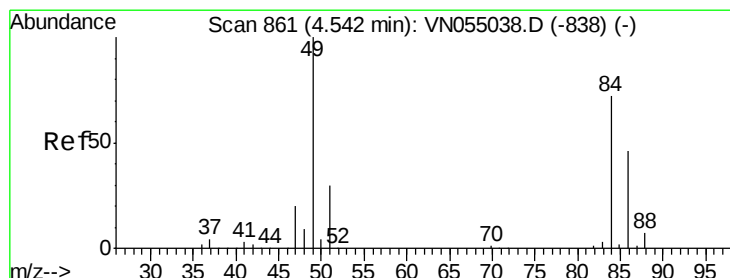
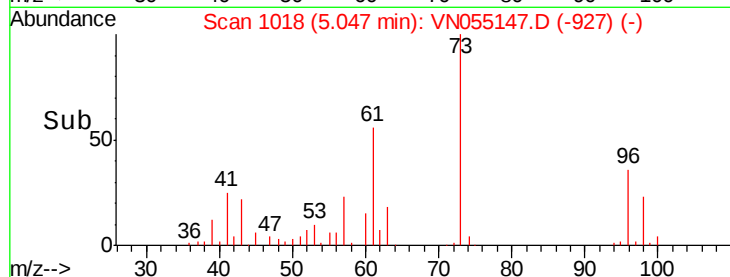
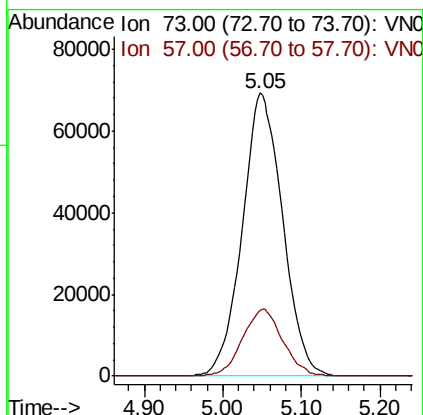
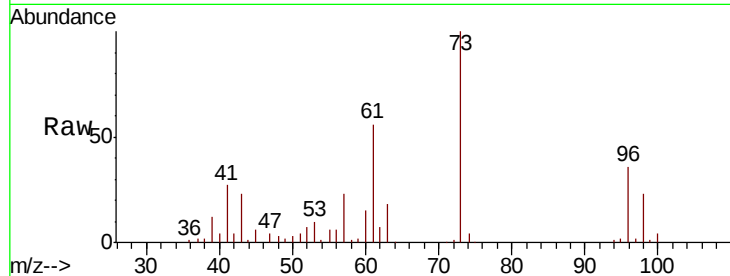




#19
Methvl tert-butvl Ether
Concen: 22.384 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.01 min
Lab File: VN055147.D
Acq: 19 Apr 2019 19:04

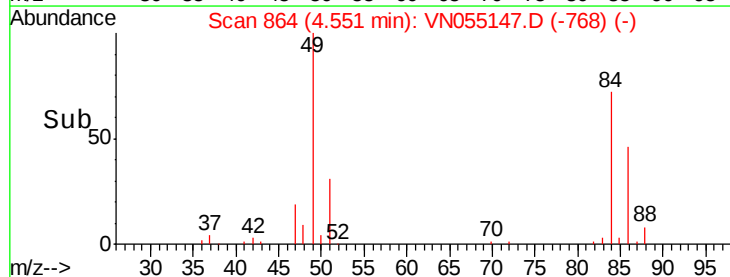
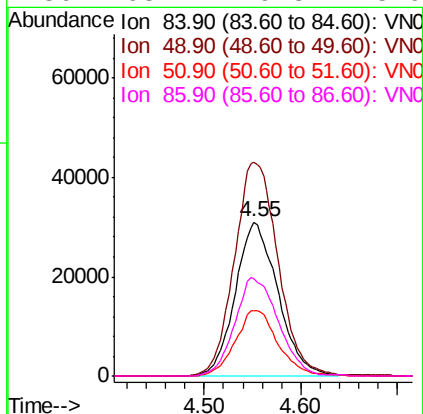
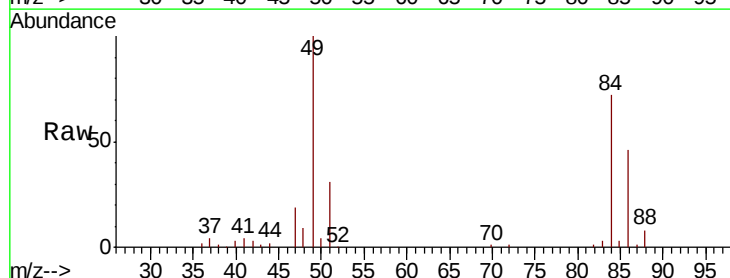
Instrument :
MSVOA_N
ClientSampleId :
VN0419WBS02

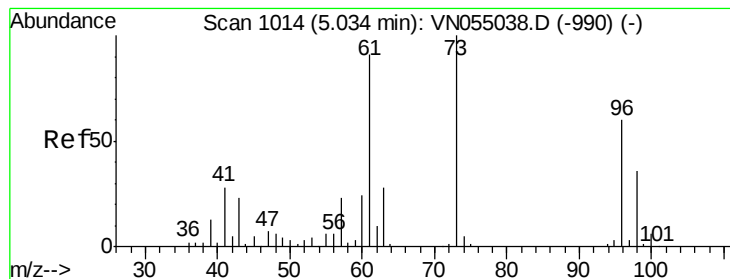
Tot Ion: 73 Resp: 249750
Ion Ratio Lower Upper
73 100
57 23.4 19.0 28.4



#20
Methylene Chloride
Concen: 18.970 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.01 min
Lab File: VN055147.D
Acq: 19 Apr 2019 19:04

Tgt Ion: 84 Resp: 94545
Ion Ratio Lower Upper
84 100
49 138.6 109.4 164.2
51 42.3 32.2 48.4
86 63.1 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 19.357 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.02 min

Lab File: VN055147.D

Acq: 19 Apr 2019 19:04

Instrument :

MSVOA_N

ClientSampled :

VN0419WBS02

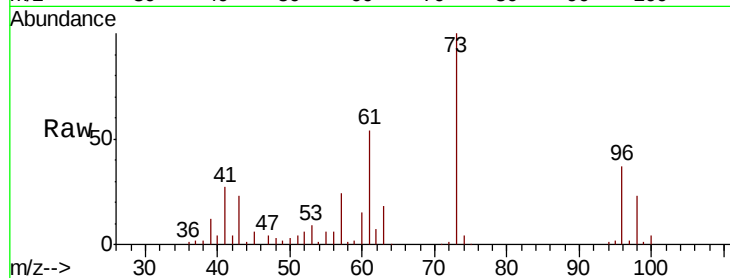
Tot Ion: 96 Resp: 81656

Ion Ratio Lower Upper

96 100

61 148.5 114.9 172.3

98 63.0 48.4 72.6

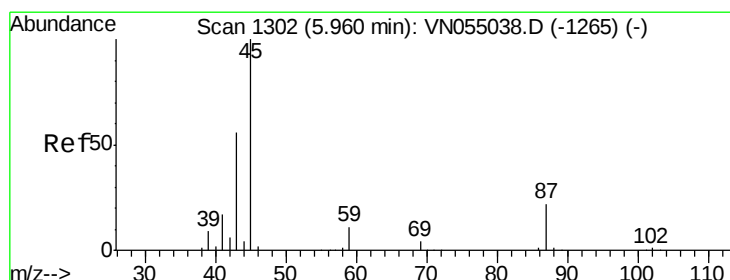
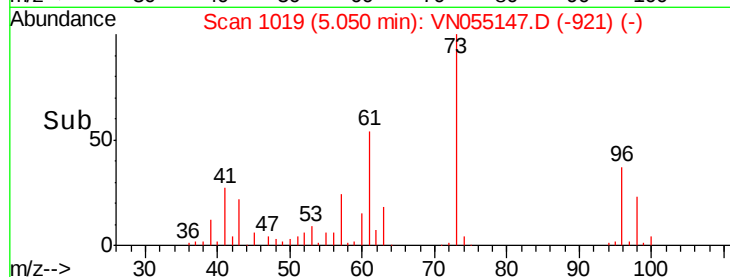
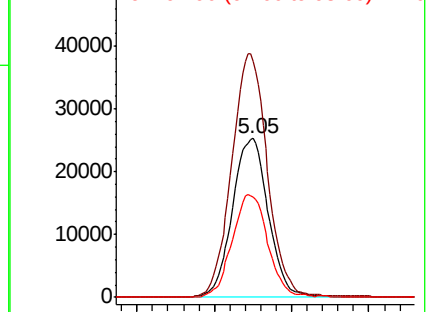


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 21.559 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. -0.00 min

Lab File: VN055147.D

Acq: 19 Apr 2019 19:04

Tgt Ion: 45 Resp: 338375

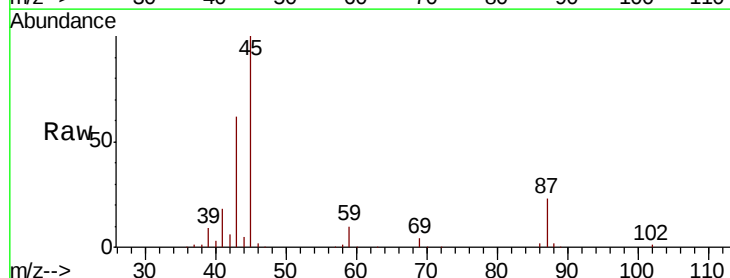
Ion Ratio Lower Upper

45 100

43 59.7 44.8 67.2

87 22.6 18.9 28.3

59 9.8 7.9 11.9



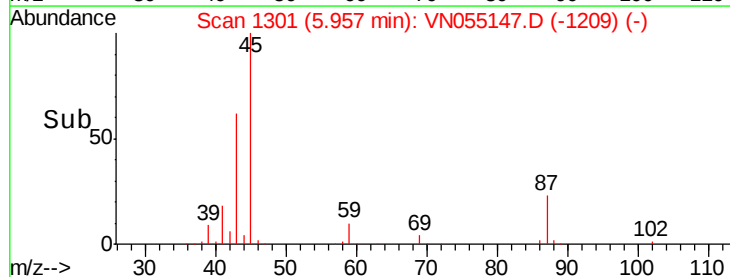
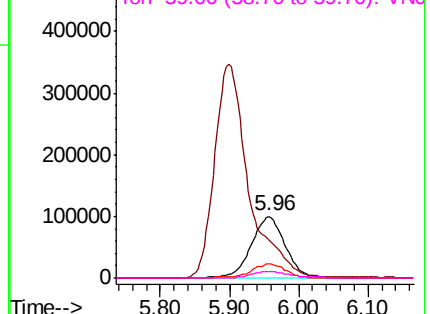
Abundance

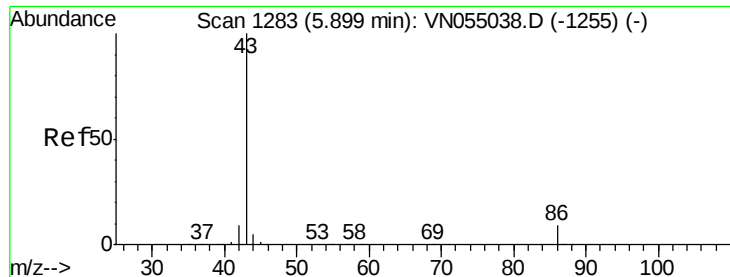
Ion 45.00 (44.70 to 45.70): VN0

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: 115.011 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN055147.D

Acq: 19 Apr 2019 19:04

Instrument :

MSVOA_N

ClientSampleId :

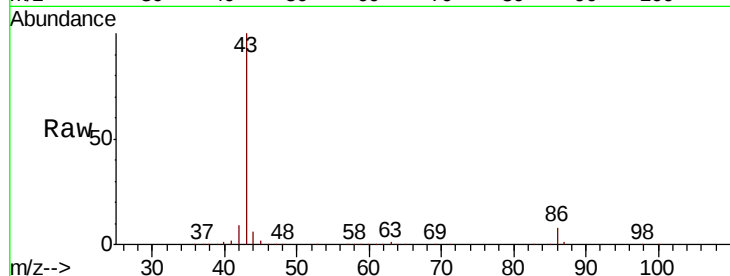
VN0419WBS02

Tot Ion: 43 Resp: 1193136

Ion Ratio Lower Upper

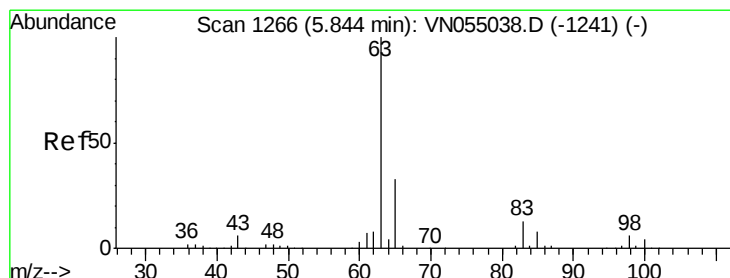
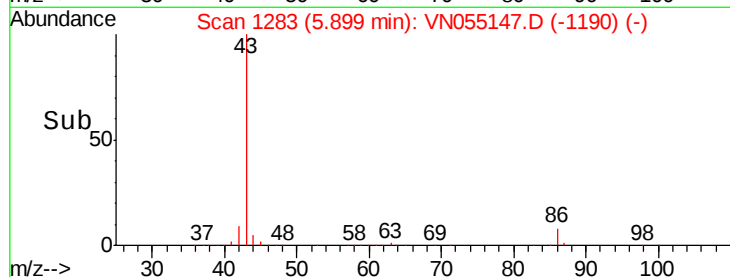
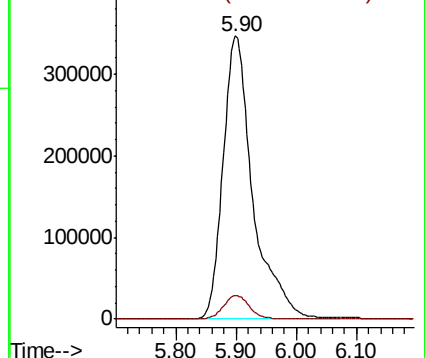
43 100

86 8.3 7.0 10.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 20.676 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.01 min

Lab File: VN055147.D

Acq: 19 Apr 2019 19:04

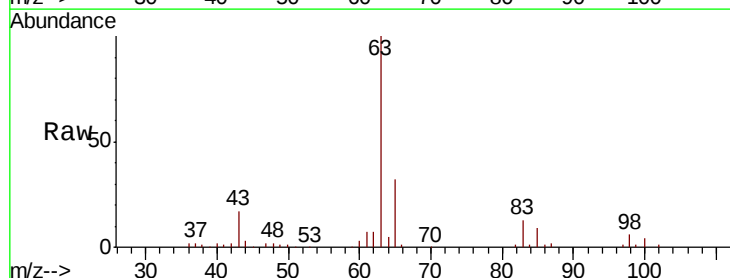
Tgt Ion: 63 Resp: 172809

Ion Ratio Lower Upper

63 100

98 6.0 2.8 8.4

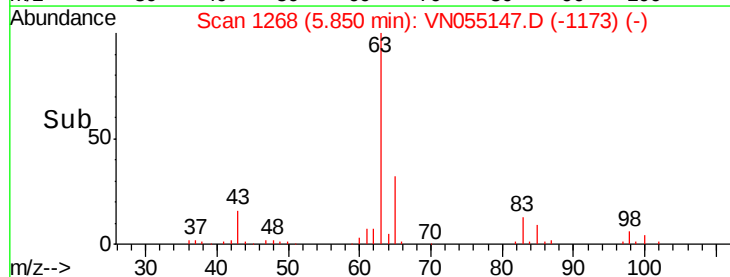
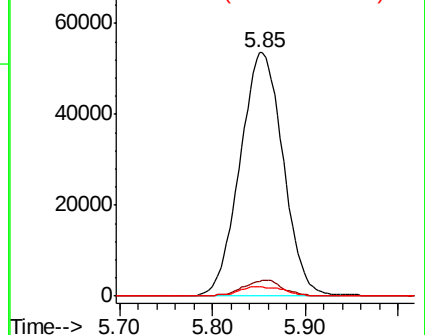
100 3.8 2.0 5.8

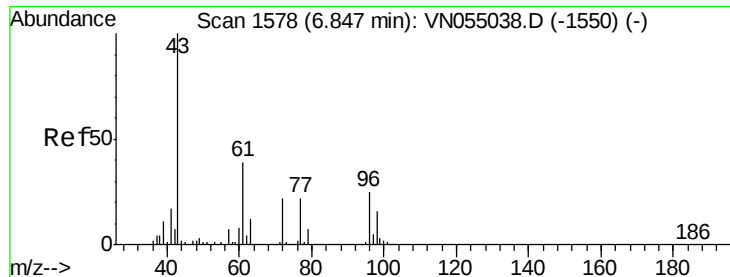


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 121.445 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. -0.01 min

Lab File: VN055147.D

Acq: 19 Apr 2019 19:04

Instrument :

MSVOA_N

ClientSampleId :

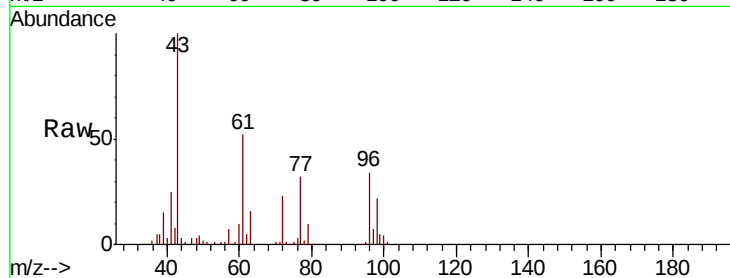
VN0419WBS02

Tot Ion: 43 Resp: 256981

Ion Ratio Lower Upper

43 100

72 22.8 18.1 27.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.84

100000

80000

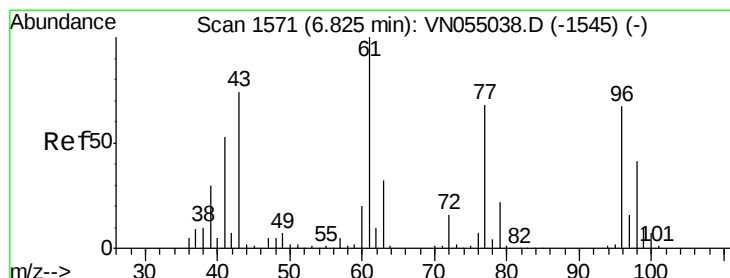
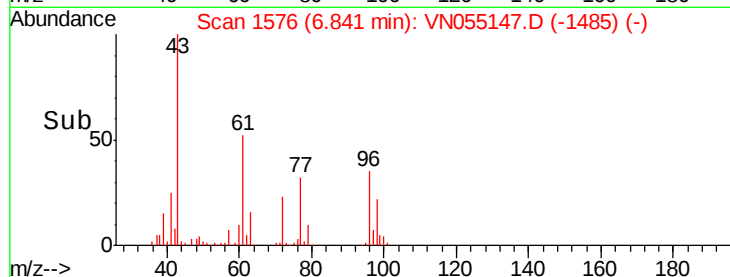
60000

40000

20000

0

Time--> 6.70 6.75 6.80 6.85 6.90



#26

2,2-Dichloropropane

Concen: 21.166 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055147.D

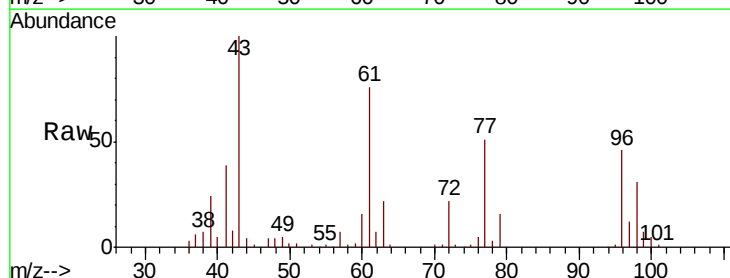
Acq: 19 Apr 2019 19:04

Tgt Ion: 77 Resp: 111653

Ion Ratio Lower Upper

77 100

97 22.4 11.3 33.9



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

40000

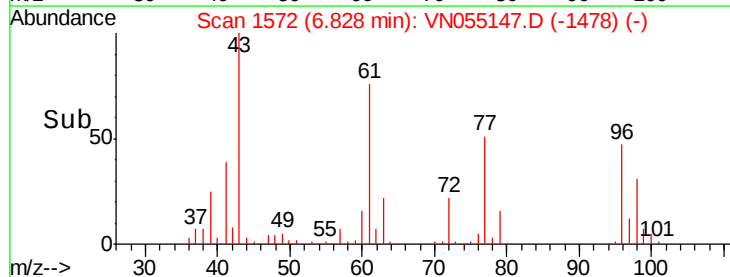
30000

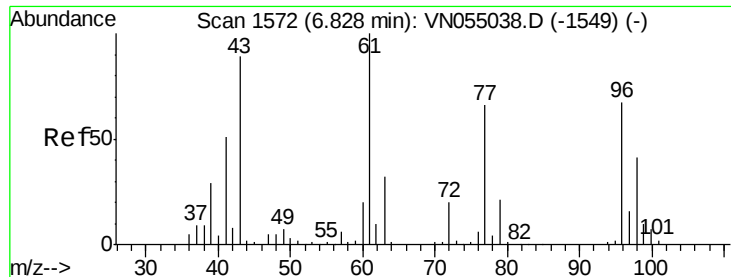
20000

10000

0

Time--> 6.70 6.80 6.90



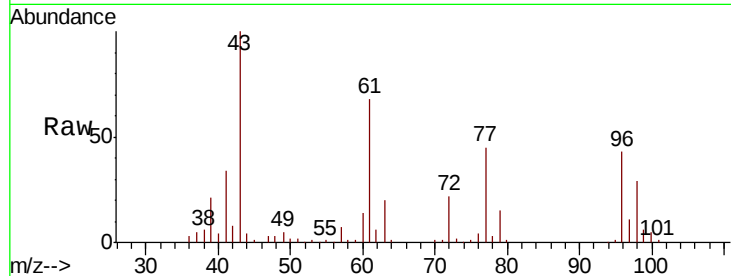


#27

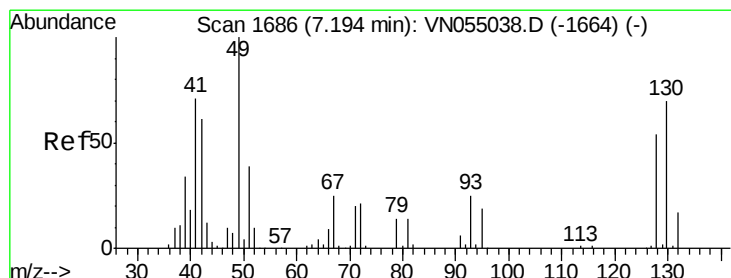
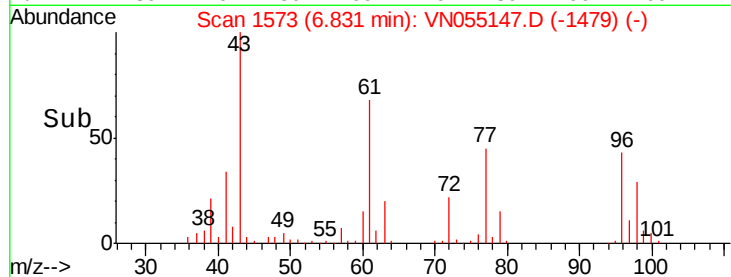
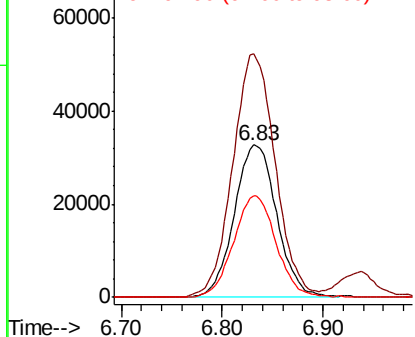
cis-1,2-Dichloroethene
 Concen: 20.035 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN055147.D
 Acq: 19 Apr 2019 19:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0419WBS02

Tot Ion: 96 Resp: 95619
 Ion Ratio Lower Upper
 96 100
 61 159.9 0.0 311.0
 98 66.7 0.0 127.4



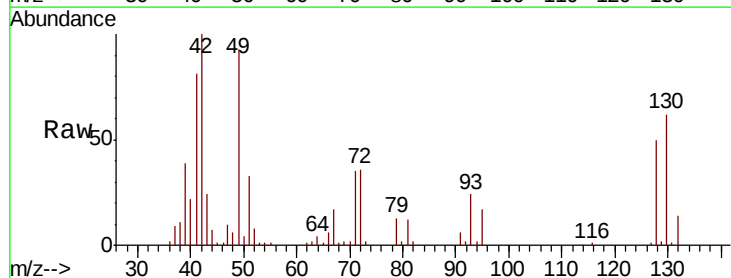
Abundance Ion 95.90 (95.60 to 96.60): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0



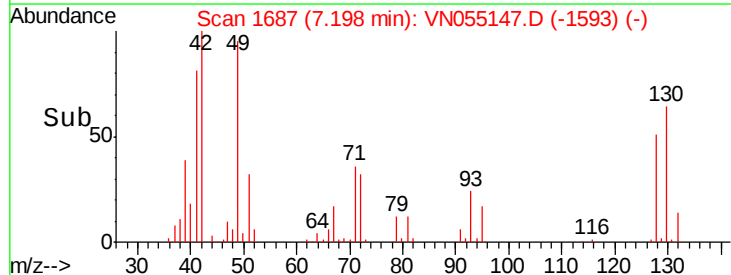
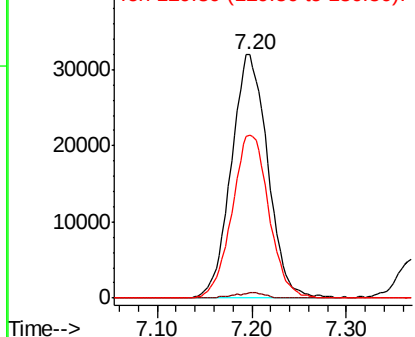
#28

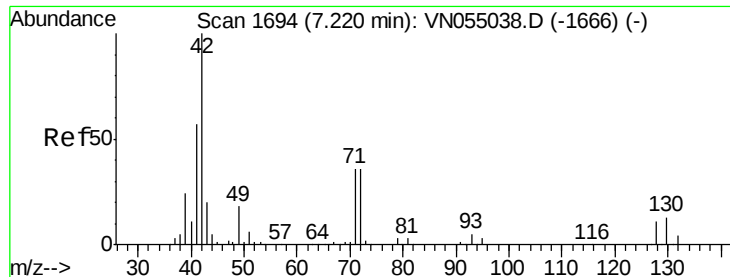
Bromochloromethane
 Concen: 21.263 ug/l
 RT: 7.20 min Scan# 1687
 Delta R.T. 0.00 min
 Lab File: VN055147.D
 Acq: 19 Apr 2019 19:04

Tgt Ion: 49 Resp: 85668
 Ion Ratio Lower Upper
 49 100
 129 1.8 0.0 2.0
 130 67.6 53.4 80.2



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

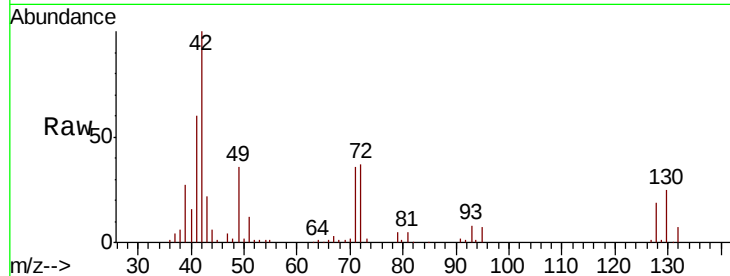




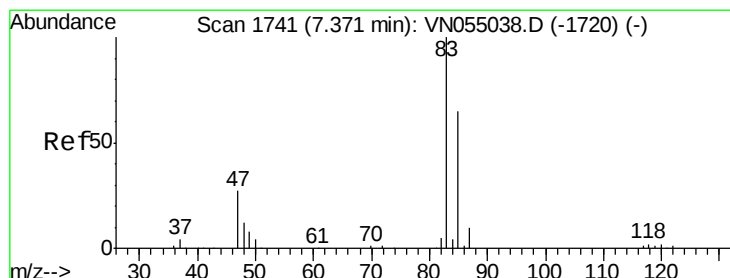
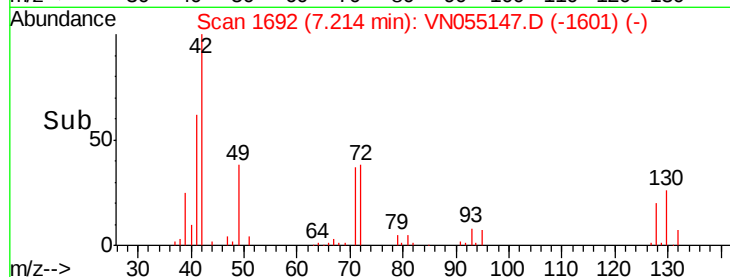
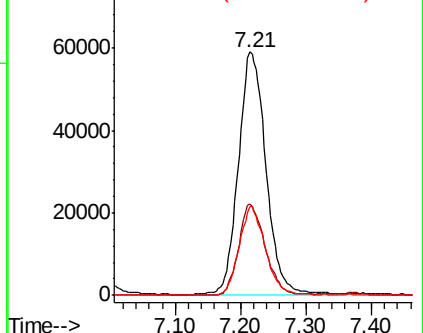
#29
Tetrahydrofuran
Concen: 125.999 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. -0.01 min
Lab File: VN055147.D
Acq: 19 Apr 2019 19:04

Instrument :
MSVOA_N
ClientSampled :
VN0419WBS02

Tot Ion: 42 Resp: 174839
Ion Ratio Lower Upper
42 100
72 35.6 29.4 44.0
71 34.3 27.8 41.6

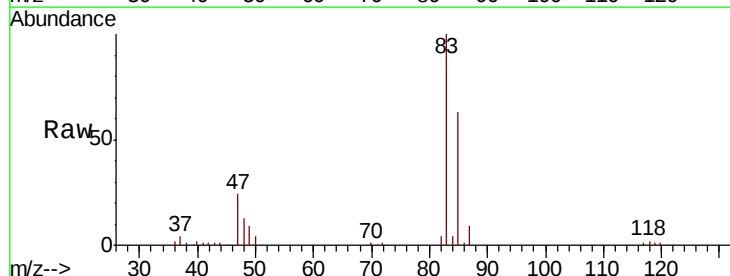


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

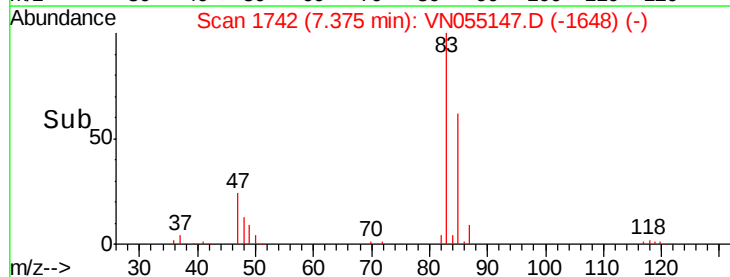
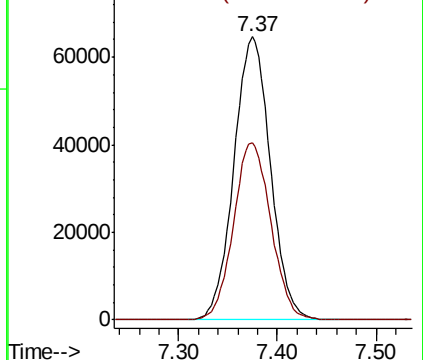


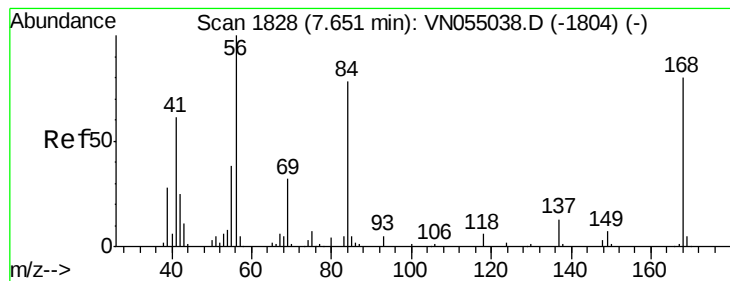
#30
Chloroform
Concen: 20.488 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN055147.D
Acq: 19 Apr 2019 19:04

Tgt Ion: 83 Resp: 166333
Ion Ratio Lower Upper
83 100
85 62.8 51.8 77.6



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





#31

Cyclohexane

Concen: 19.666 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.01 min

Lab File: VN055147.D

Acq: 19 Apr 2019 19:04

Instrument :

MSVOA_N

ClientSampleId :

VN0419WBS02

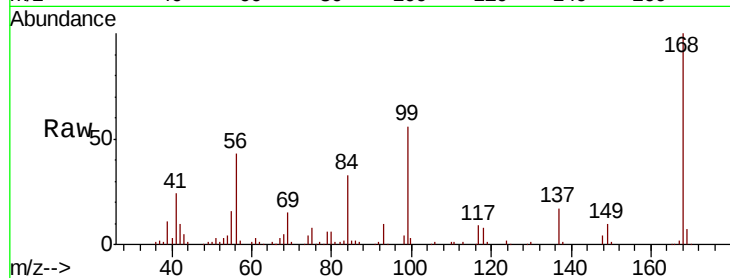
Tot Ion: 56 Resp: 150919

Ion Ratio Lower Upper

56 100

69 35.1 24.5 36.7

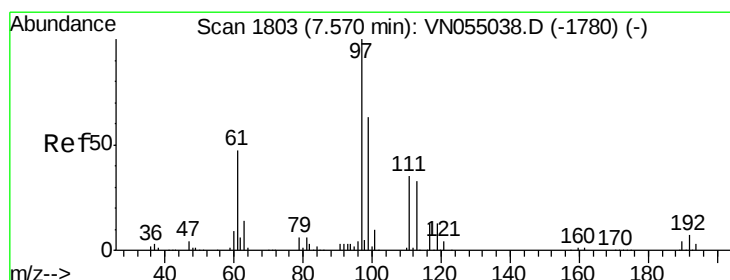
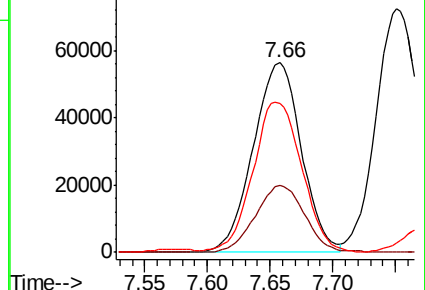
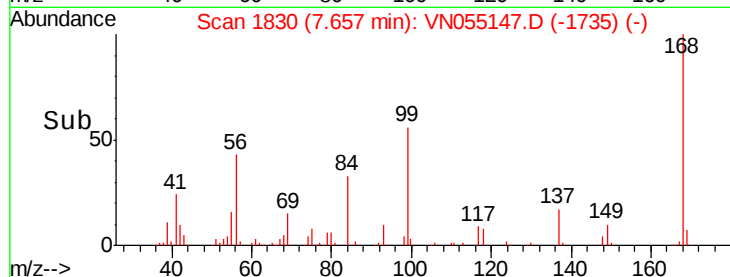
84 77.1 62.9 94.3



Abundance Ion 56.00 (55.70 to 56.70): VN055147.D (-1735) (-)

Ion 69.00 (68.70 to 69.70): VN055147.D (-1735) (-)

Ion 84.00 (83.70 to 84.70): VN055147.D (-1735) (-)



#32

1,1,1-Trichloroethane

Concen: 20.759 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN055147.D

Acq: 19 Apr 2019 19:04

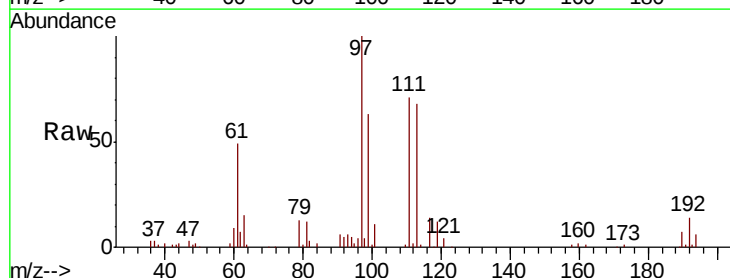
Tgt Ion: 97 Resp: 133523

Ion Ratio Lower Upper

97 100

99 63.1 51.6 77.4

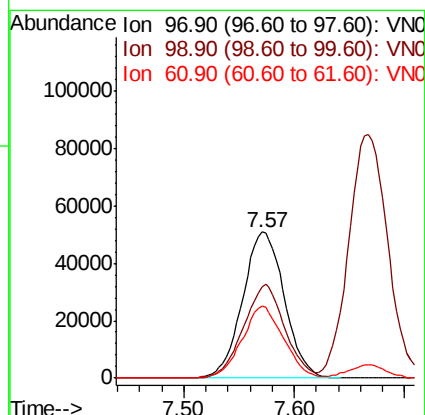
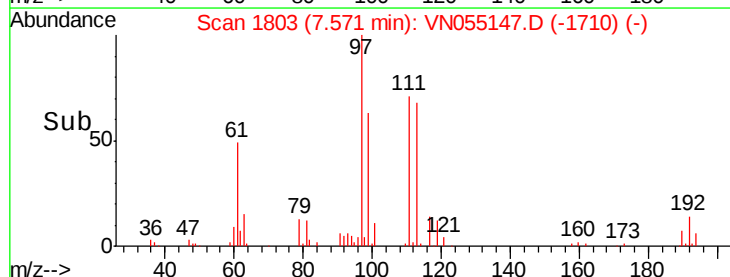
61 48.9 38.3 57.5

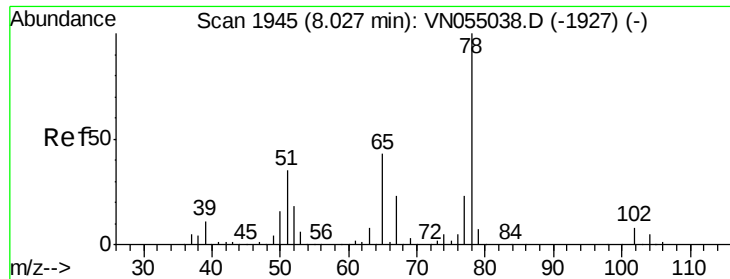


Abundance Ion 96.90 (96.60 to 97.60): VN055147.D (-1710) (-)

Ion 98.90 (98.60 to 99.60): VN055147.D (-1710) (-)

Ion 60.90 (60.60 to 61.60): VN055147.D (-1710) (-)

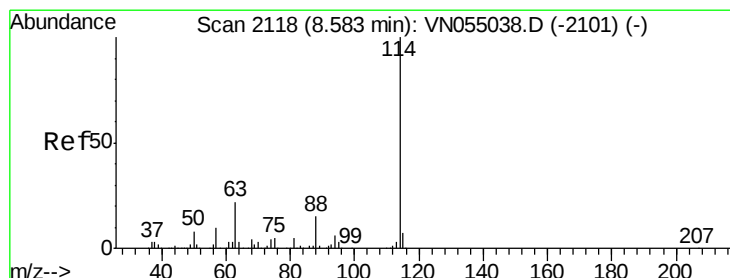
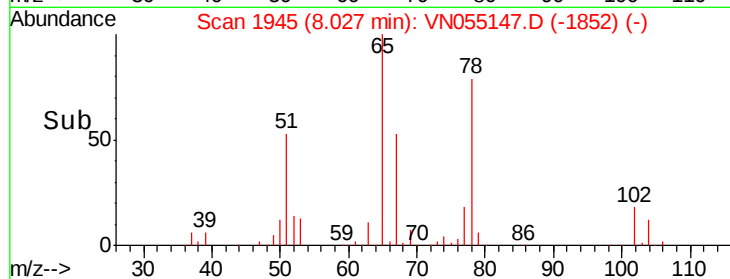
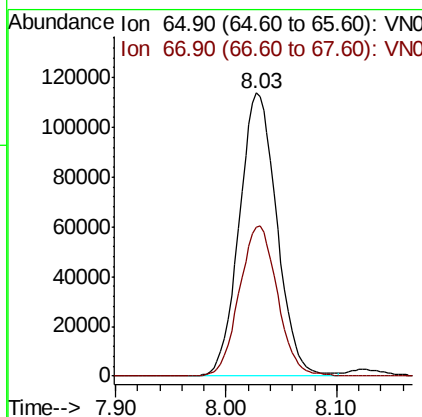
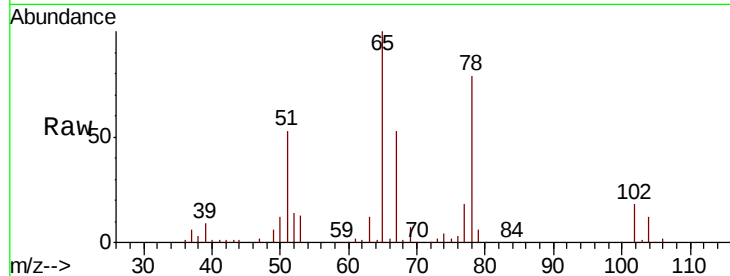




#33
 1,2-Dichloroethane-d4
 Concen: 51.266 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055147.D
 Acq: 19 Apr 2019 19:04

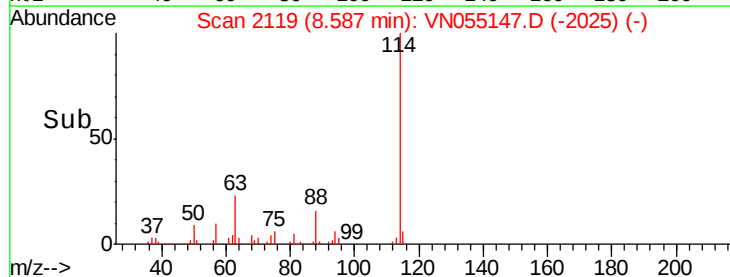
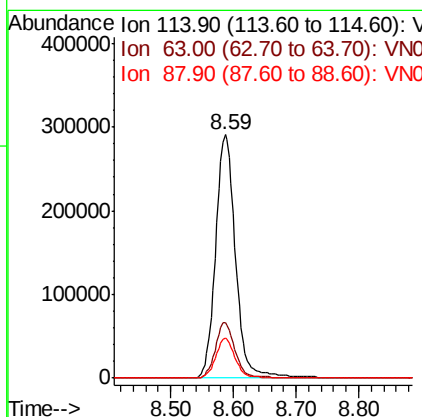
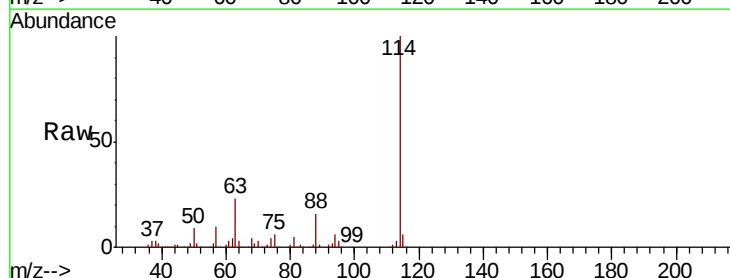
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0419WBS02

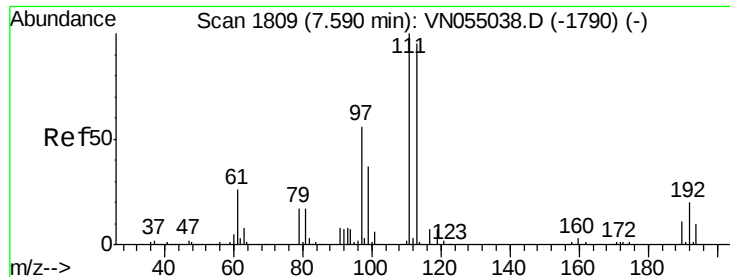
Tot Ion: 65 Resp: 267793
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055147.D
 Acq: 19 Apr 2019 19:04

Tgt Ion: 114 Resp: 644478
 Ion Ratio Lower Upper
 114 100
 63 23.0 0.0 45.2
 88 16.3 0.0 31.8

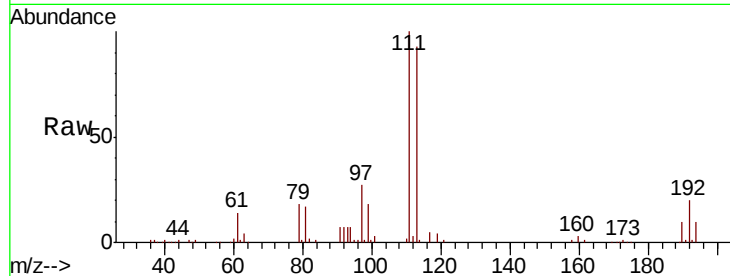




#35
 Dibromofluoromethane
 Concen: 48.925 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN055147.D
 Acq: 19 Apr 2019 19:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0419WBS02

Tot Ion	Ratio	Lower	Upper
113	100		
111	105.1	82.1	123.1
192	21.2	16.5	24.7

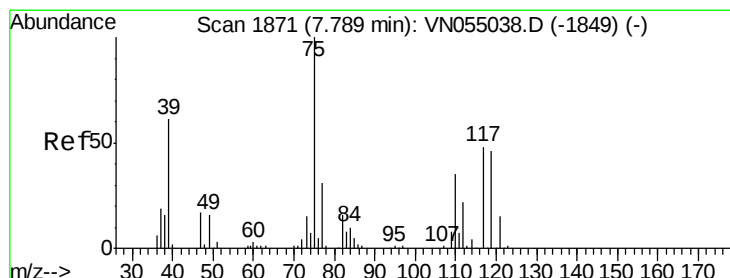
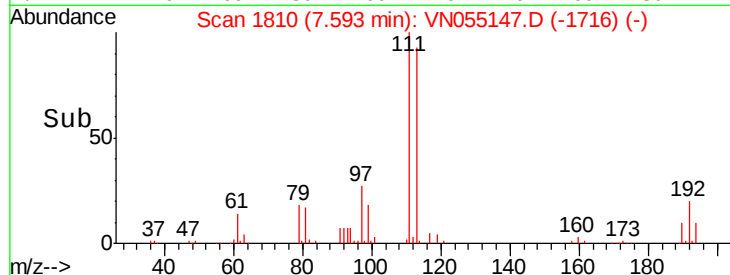
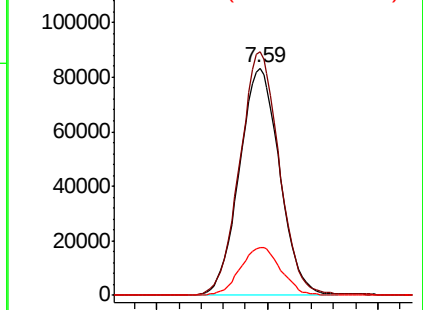


Abundance

Ion 112.80 (112.50 to 113.50): V

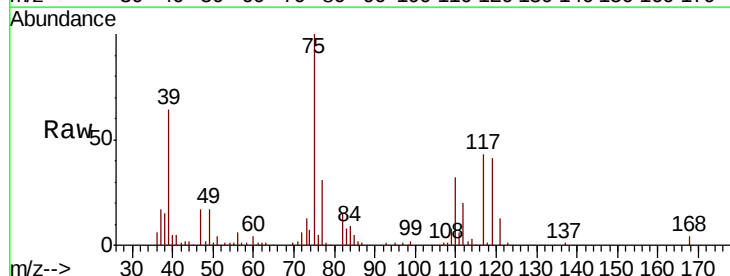
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 18.981 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.01 min
 Lab File: VN055147.D
 Acq: 19 Apr 2019 19:04

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.3	17.5	52.5
77	30.8	24.9	37.3

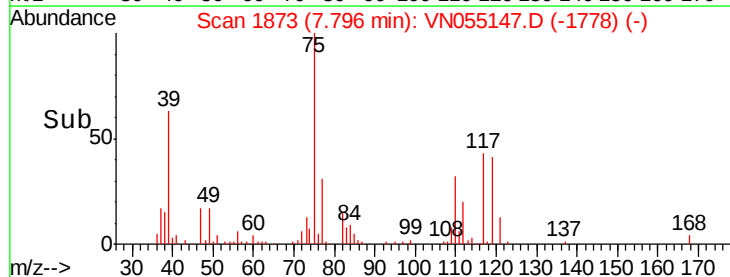
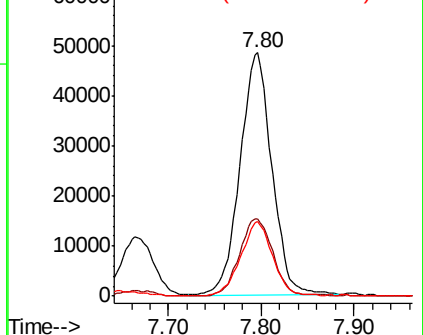


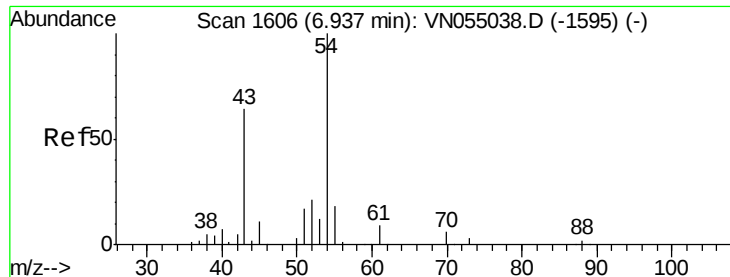
Abundance

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

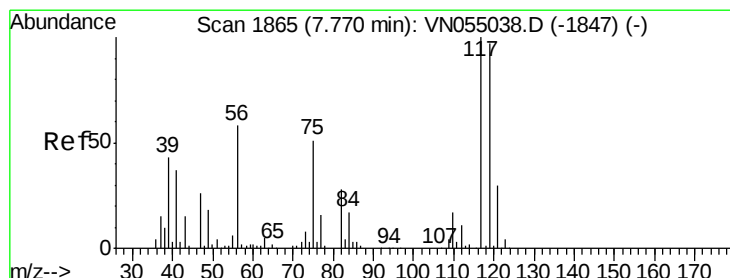
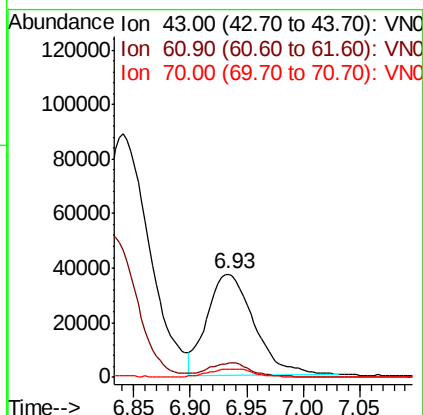
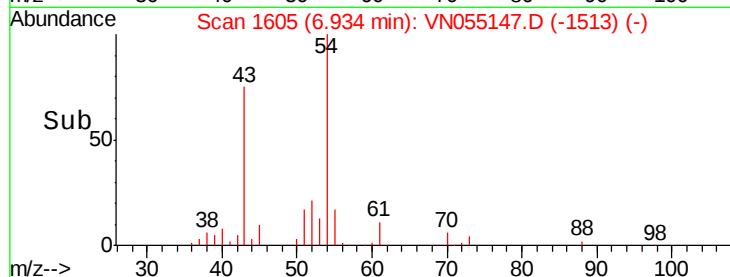
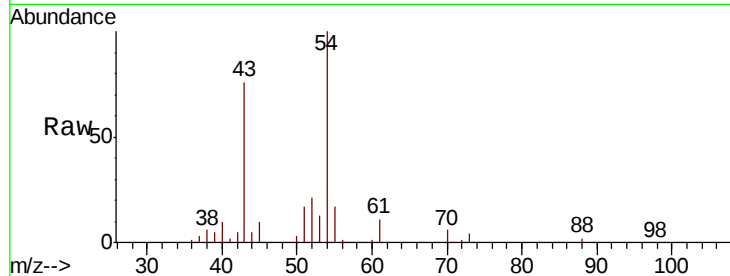




#37
Ethyl Acetate
Concen: 21.677 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. -0.00 min
Lab File: VN055147.D
Acq: 19 Apr 2019 19:04

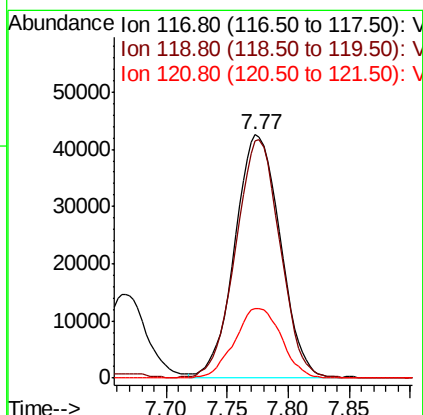
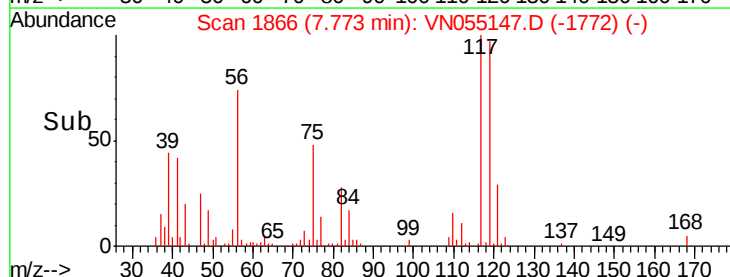
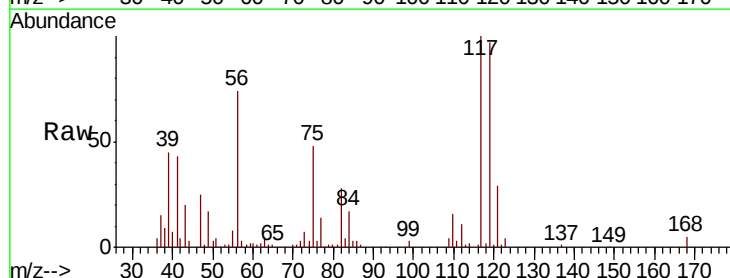
Instrument :
MSVOA_N
ClientSampled :
VN0419WBS02

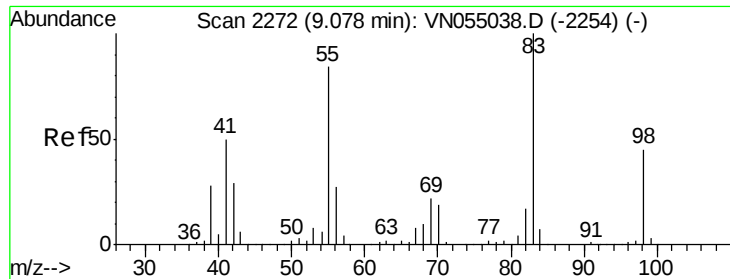
Tot Ion: 43 Resp: 107216
Ion Ratio Lower Upper
43 100
61 12.8 10.0 15.0
70 5.0 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 18.894 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN055147.D
Acq: 19 Apr 2019 19:04

Tgt Ion: 117 Resp: 109211
Ion Ratio Lower Upper
117 100
119 97.1 76.3 114.5
121 28.7 23.9 35.9

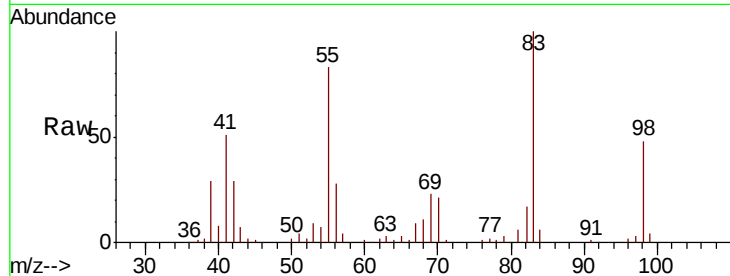




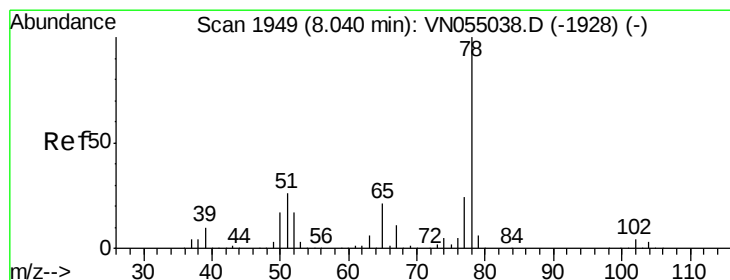
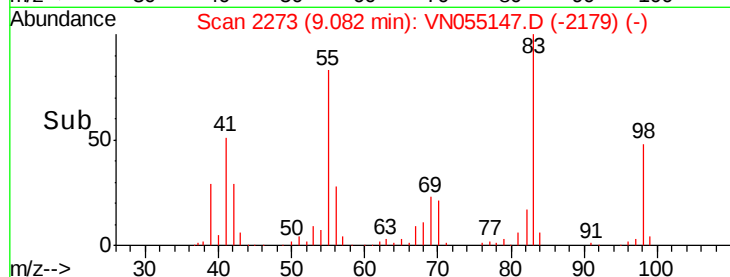
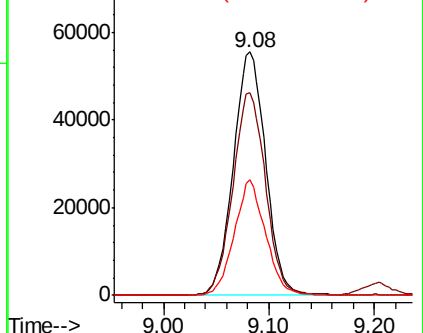
#39
Methvlcvclohexane
Concen: 17.923 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN055147.D
Acq: 19 Apr 2019 19:04

Instrument :
MSVOA_N
ClientSampleId :
VN0419WBS02

Tot Ion: 83 Resp: 117996
Ion Ratio Lower Upper
83 100
55 83.1 67.0 100.4
98 47.7 35.6 53.4

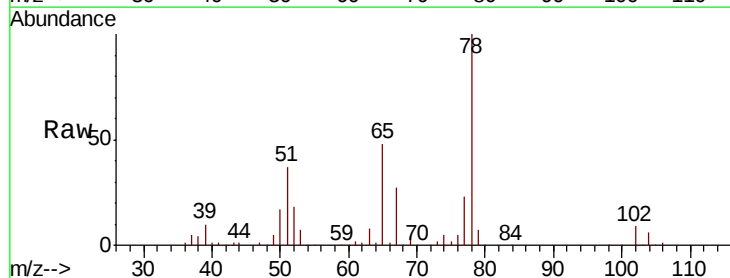


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

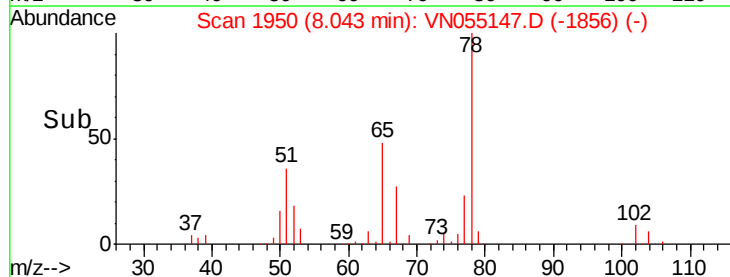
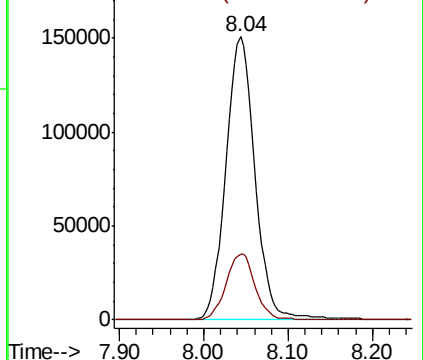


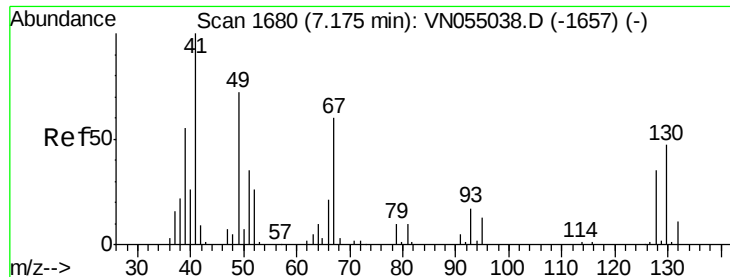
#40
Benzene
Concen: 19.770 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN055147.D
Acq: 19 Apr 2019 19:04

Tgt Ion: 78 Resp: 361998
Ion Ratio Lower Upper
78 100
77 23.2 18.8 28.2



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

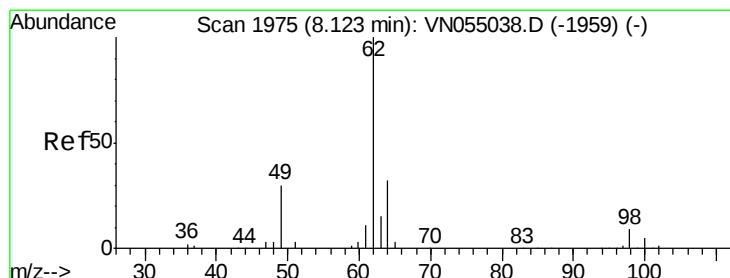
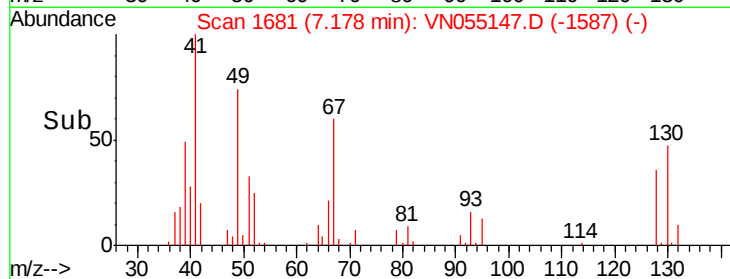
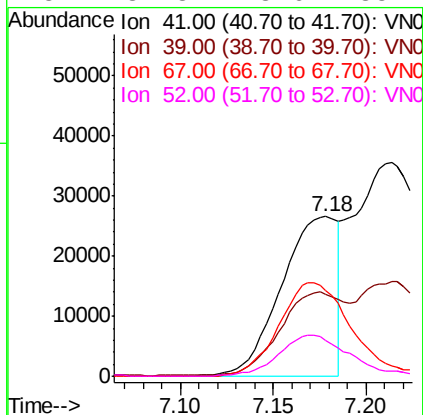
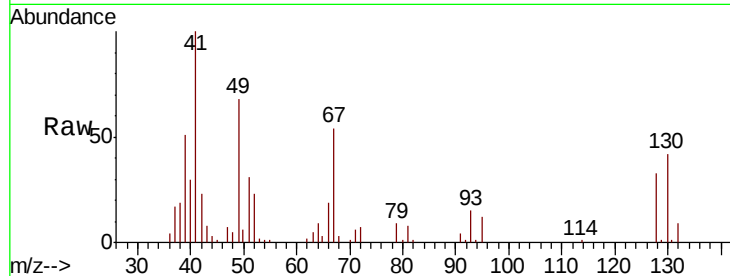




#41
Methacrylonitrile
Concen: 20.398 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN055147.D
Acq: 19 Apr 2019 19:04

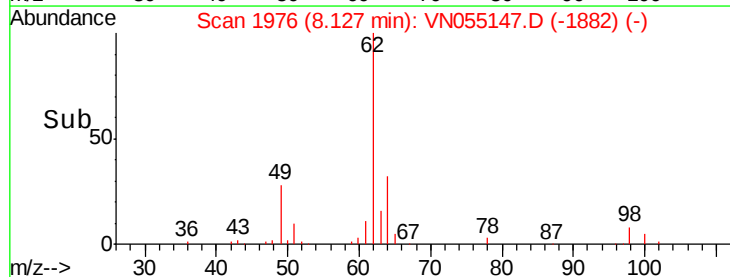
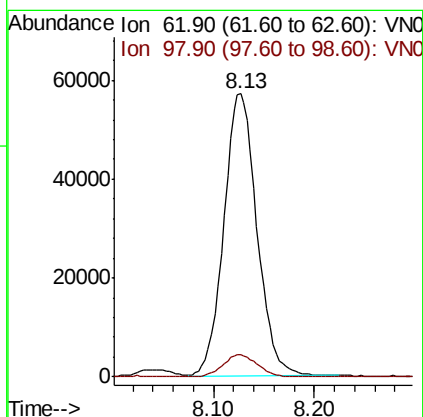
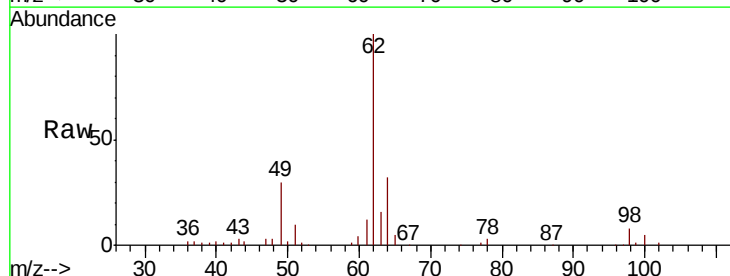
Instrument :
MSVOA_N
ClientSampled :
VN0419WBS02

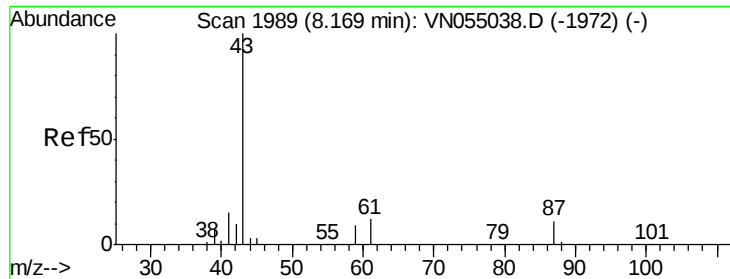
Tot Ion:	41	Resp:	56003
Ion	Ratio	Lower	Upper
41	100		
39	60.1	45.6	68.4
67	76.5	57.0	85.6
52	32.8	23.6	35.4



#42
1,2-Dichloroethane
Concen: 20.588 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN055147.D
Acq: 19 Apr 2019 19:04

Tgt Ion:	62	Resp:	130884
Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	17.4





#43

Isopropyl Acetate

Concen: 23.595 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN055147.D

Acq: 19 Apr 2019 19:04

Instrument :

MSVOA_N

ClientSampled :

VN0419WBS02

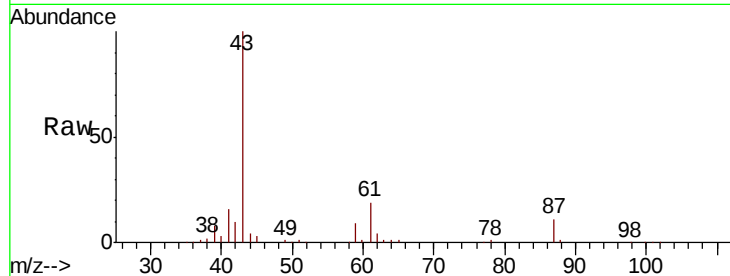
Tot Ion: 43 Resp: 179824

Ion Ratio Lower Upper

43 100

61 18.0 14.3 21.5

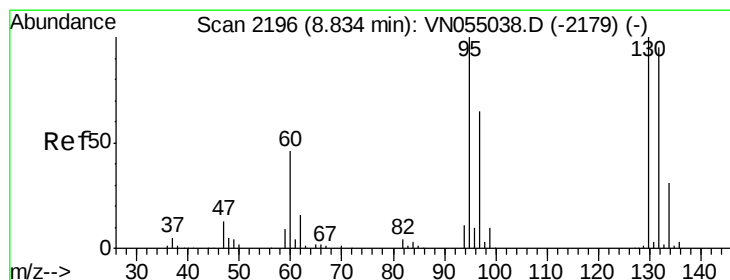
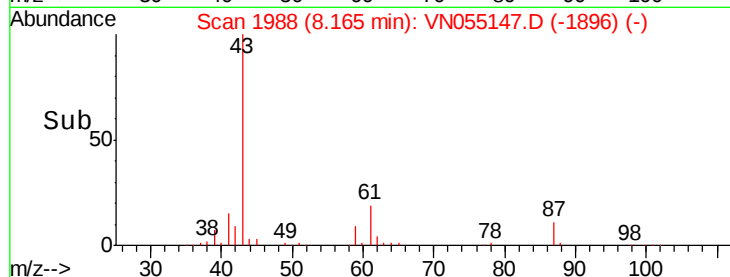
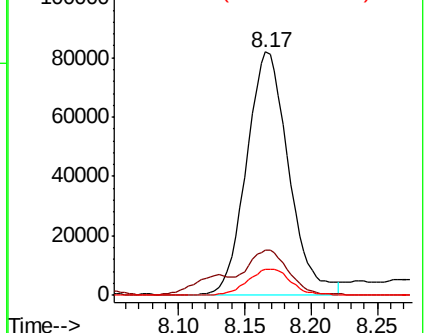
87 11.2 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VN055038.D (-1972) (-)

Ion 61.00 (60.70 to 61.70): VN055038.D (-1972) (-)

Ion 87.00 (86.70 to 87.70): VN055038.D (-1972) (-)



#44

Trichloroethene

Concen: 20.106 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN055147.D

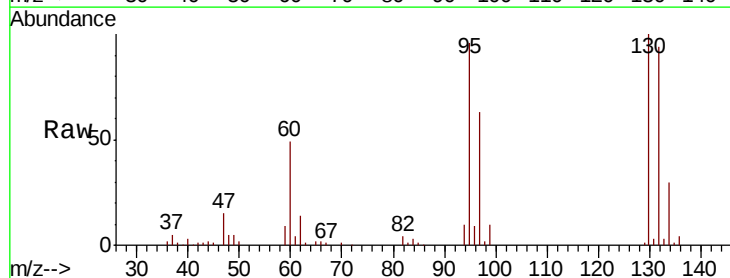
Acq: 19 Apr 2019 19:04

Tgt Ion:130 Resp: 92212

Ion Ratio Lower Upper

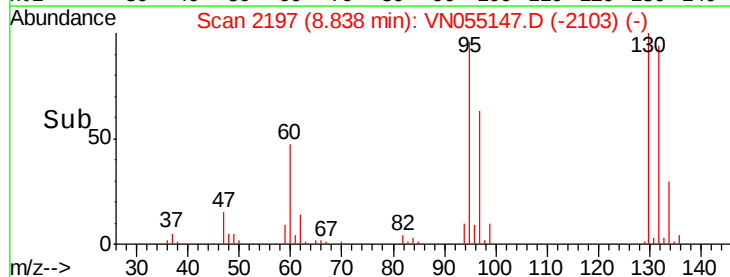
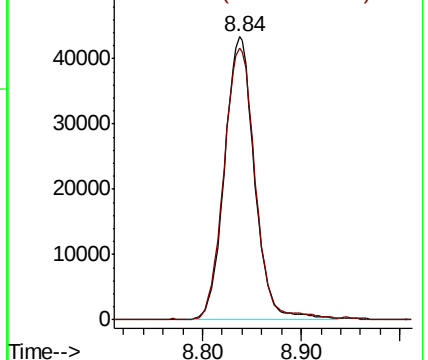
130 100

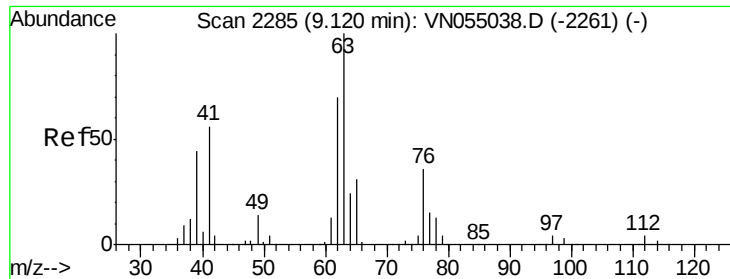
95 95.9 0.0 201.6



Abundance Ion 129.80 (129.50 to 130.50): VN055038.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN055038.D (-2179) (-)





#45

1,2-Dichloropropane

Concen: 20.613 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN055147.D

Acq: 19 Apr 2019 19:04

Instrument :

MSVOA_N

ClientSampled :

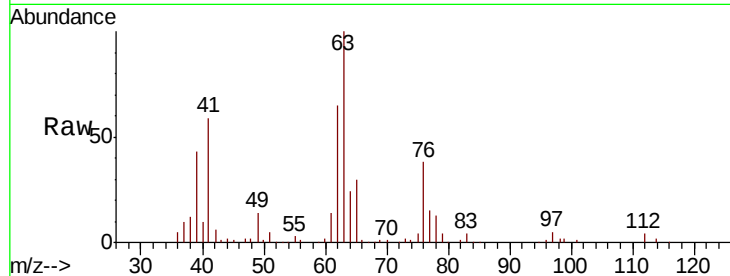
VN0419WBS02

Tot Ion: 63 Resp: 105259

Ion Ratio Lower Upper

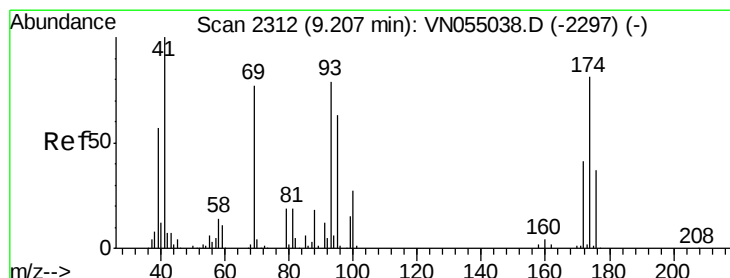
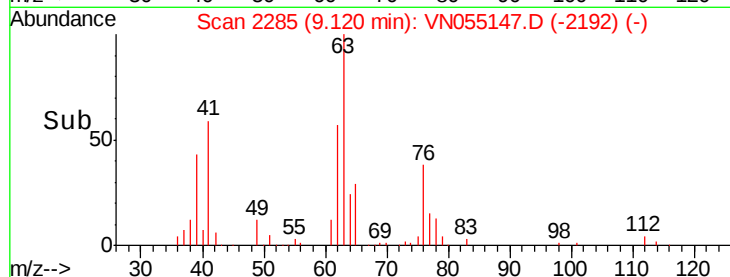
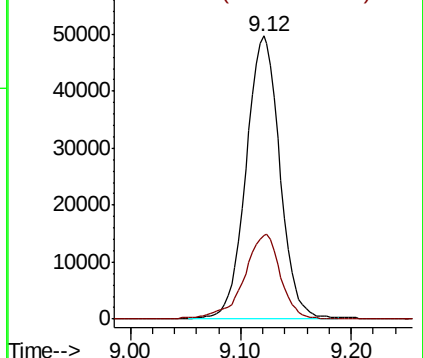
63 100

65 29.7 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 20.815 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN055147.D

Acq: 19 Apr 2019 19:04

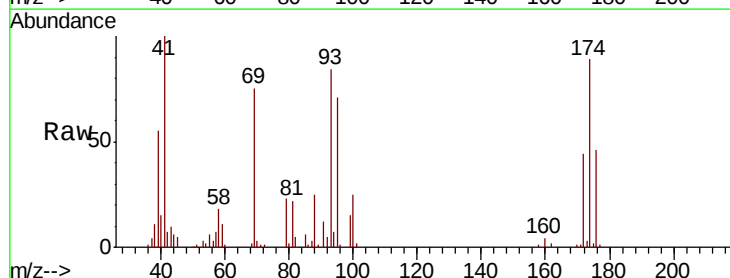
Tgt Ion: 93 Resp: 60501

Ion Ratio Lower Upper

93 100

95 84.9 65.0 97.6

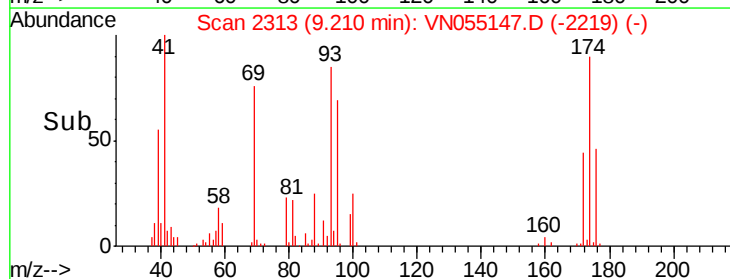
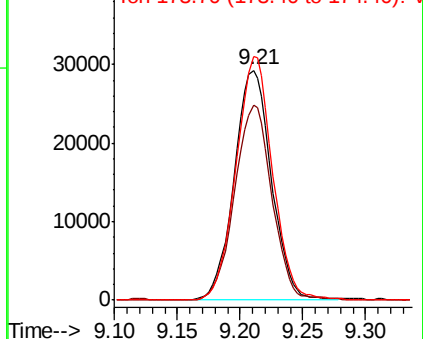
174 104.0 81.0 121.6

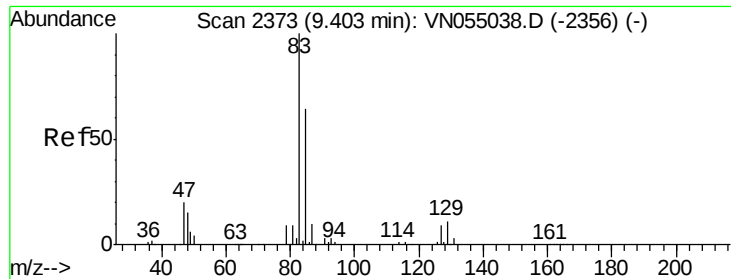


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

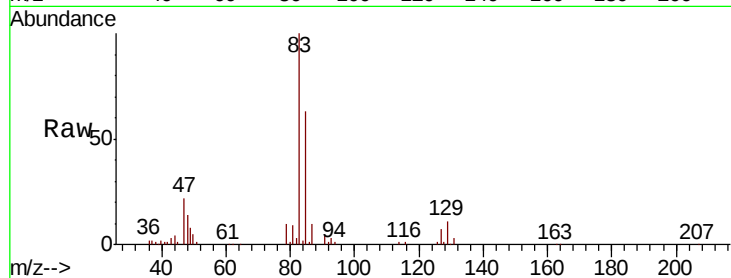




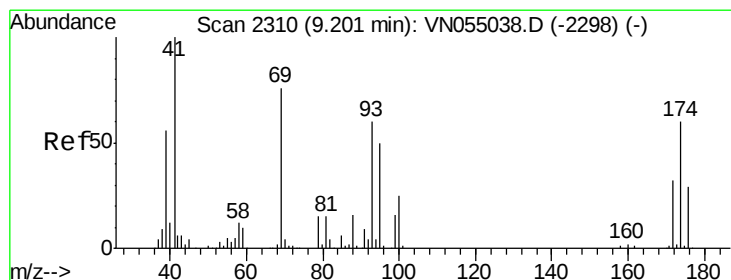
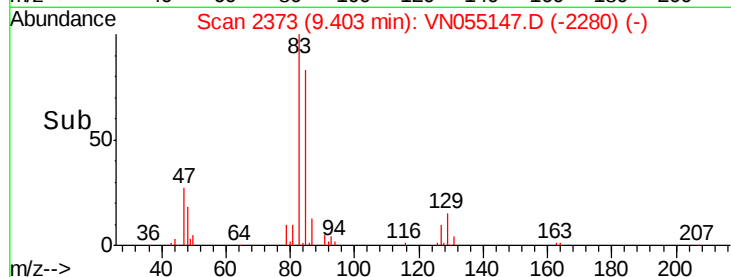
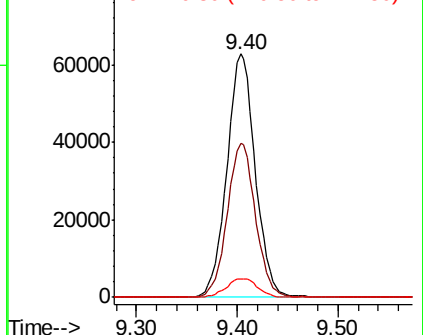
#47
 Bromodichloromethane
 Concen: 20.550 ug/l
 RT: 9.40 min Scan# 2373
 Delta R.T. 0.00 min
 Lab File: VN055147.D
 Acq: 19 Apr 2019 19:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0419WBS02

Tot Ion: 83 Resp: 123149
 Ion Ratio Lower Upper
 83 100
 85 63.1 51.2 76.8
 127 7.5 6.8 10.2

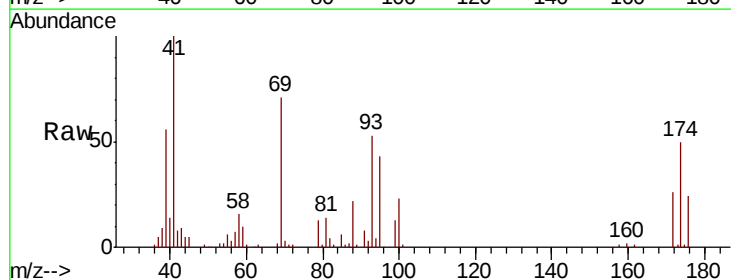


Abundance Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 126.80 (126.50 to 127.50): V

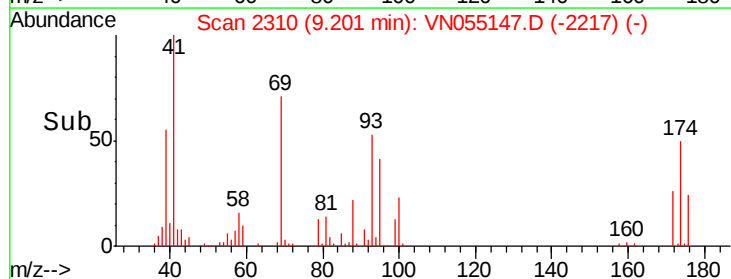
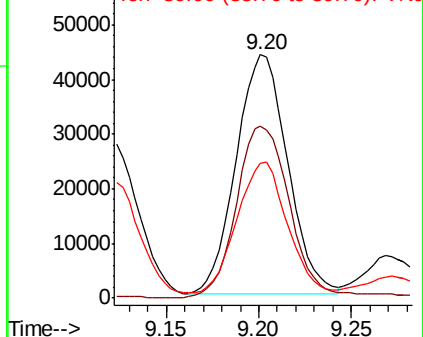


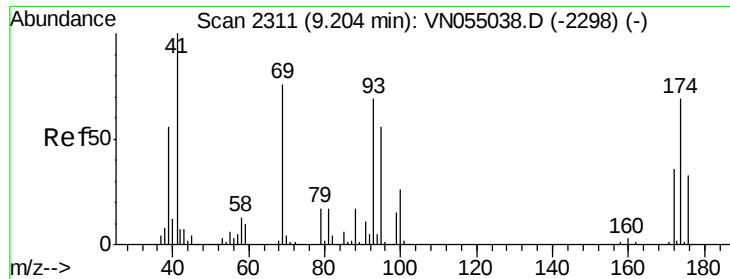
#48
 Methyl methacrylate
 Concen: 22.405 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN055147.D
 Acq: 19 Apr 2019 19:04

Tgt Ion: 41 Resp: 84635
 Ion Ratio Lower Upper
 41 100
 69 74.2 60.5 90.7
 39 56.5 43.9 65.9



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: 588.767 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN055147.D

Acq: 19 Apr 2019 19:04

Instrument :

MSVOA_N

ClientSampleId :

VN0419WBS02

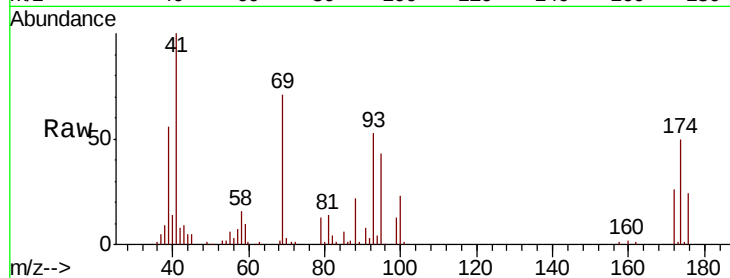
Tot Ion: 88 Resp: 20837

Ion Ratio Lower Upper

88 100

43 36.8 31.8 47.8

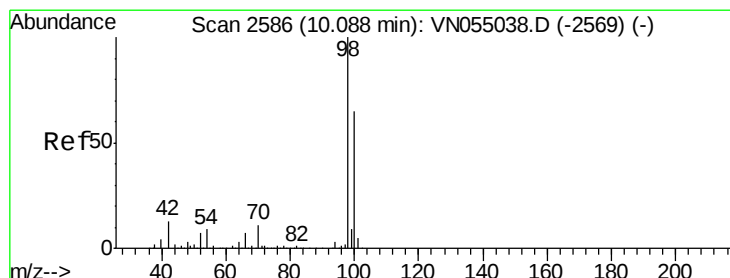
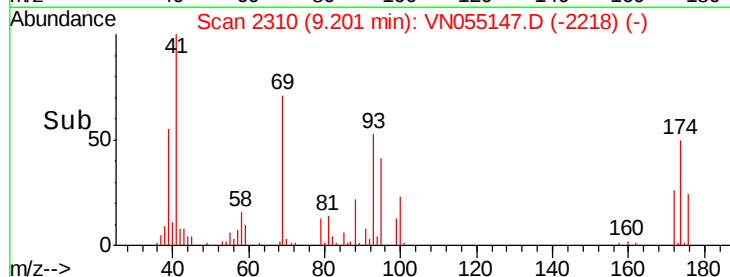
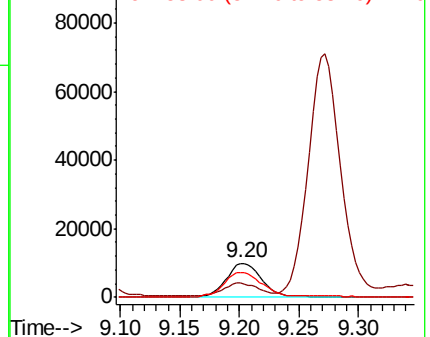
58 79.0 61.6 92.4



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 48.503 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055147.D

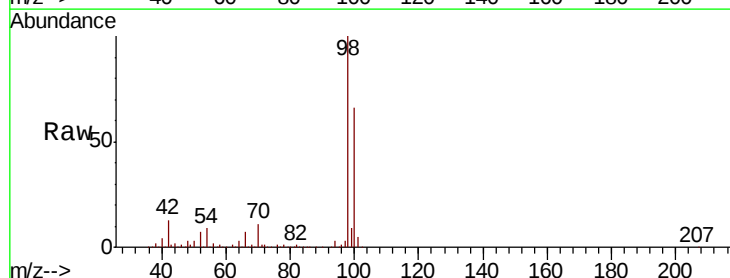
Acq: 19 Apr 2019 19:04

Tgt Ion: 98 Resp: 747699

Ion Ratio Lower Upper

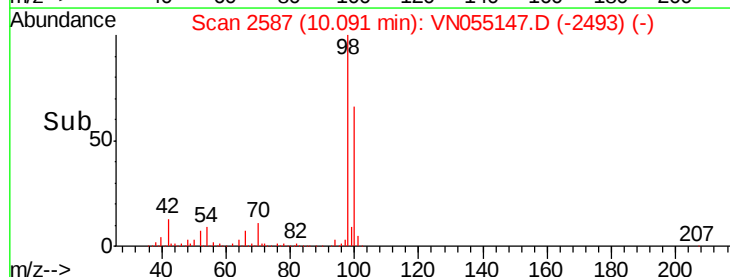
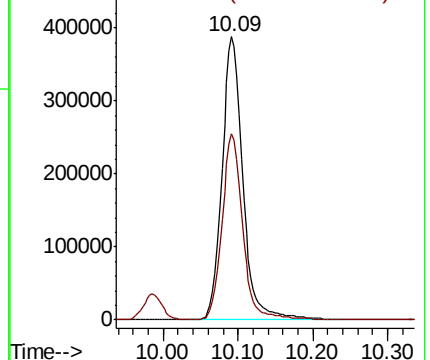
98 100

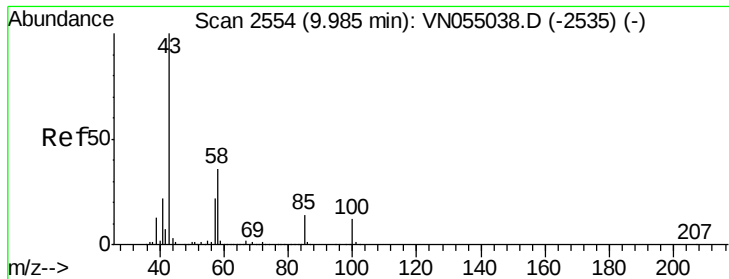
100 65.4 51.1 76.7



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: 120.069 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055147.D

Acq: 19 Apr 2019 19:04

Instrument :

MSVOA_N

ClientSampleId :

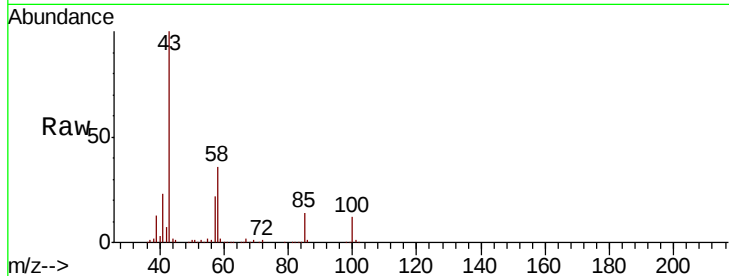
VN0419WBS02

Tot Ion: 43 Resp: 528660

Ion Ratio Lower Upper

43 100

58 35.6 29.0 43.4



Abundance Ion 43.00 (42.70 to 43.70): VN055038.D (-2535) (-)

Ion 58.00 (57.70 to 58.70): VN055038.D (-2535) (-)

9.99

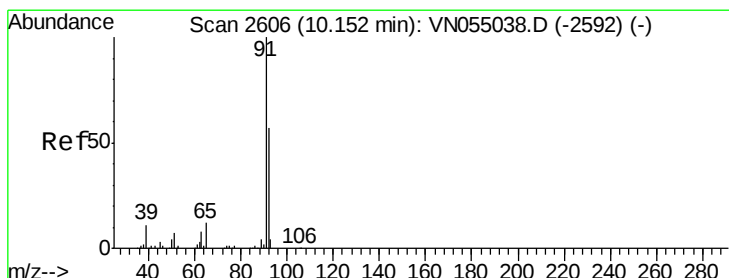
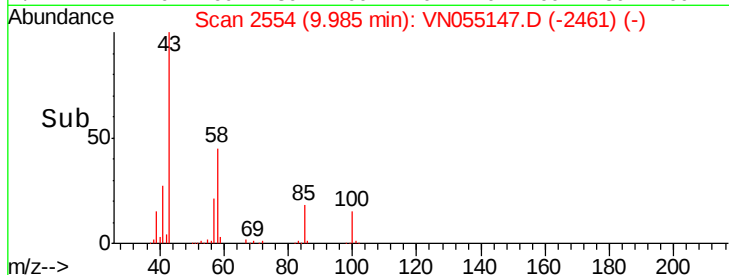
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 20.061 ug/l

RT: 10.16 min Scan# 2608

Delta R.T. 0.01 min

Lab File: VN055147.D

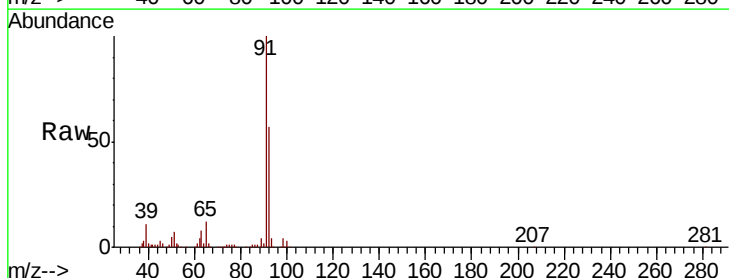
Acq: 19 Apr 2019 19:04

Tgt Ion: 92 Resp: 210381

Ion Ratio Lower Upper

92 100

91 175.5 140.8 211.2



Abundance Ion 92.00 (91.70 to 92.70): VN055038.D (-2592) (-)

Ion 91.00 (90.70 to 91.70): VN055038.D (-2592) (-)

10.16

200000

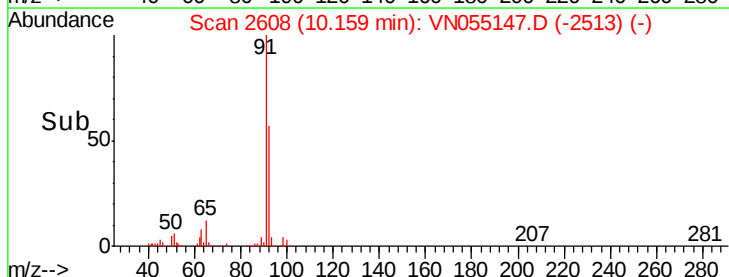
150000

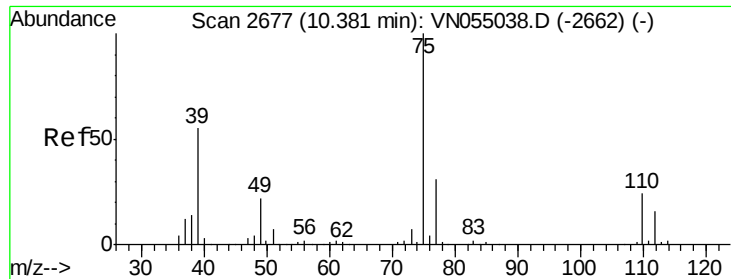
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 20.910 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN055147.D

Acq: 19 Apr 2019 19:04

Instrument :

MSVOA_N

ClientSampleId :

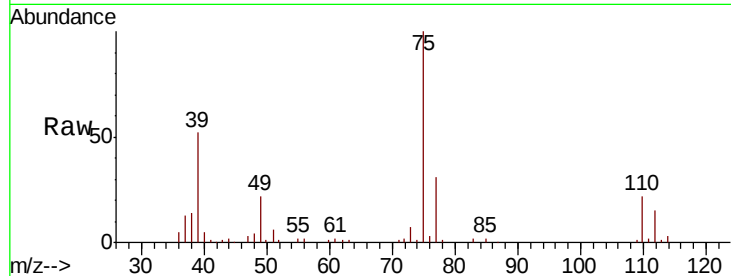
VN0419WBS02

Tot Ion: 75 Resp: 109508

Ion Ratio Lower Upper

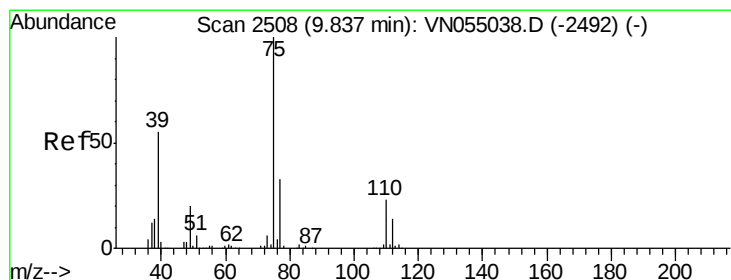
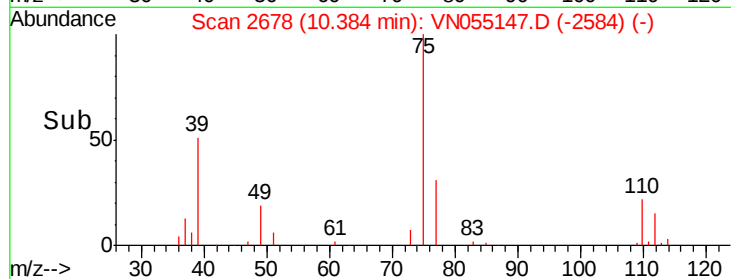
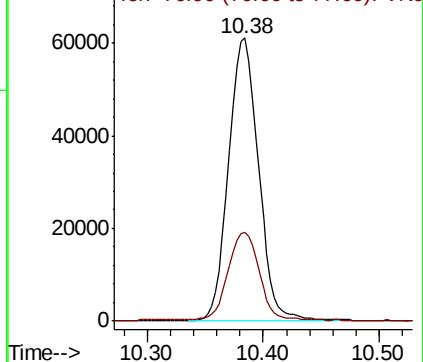
75 100

77 30.8 24.6 37.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 20.809 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN055147.D

Acq: 19 Apr 2019 19:04

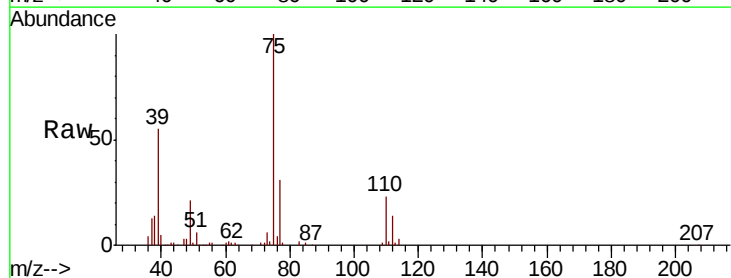
Tgt Ion: 75 Resp: 135252

Ion Ratio Lower Upper

75 100

77 31.0 25.8 38.6

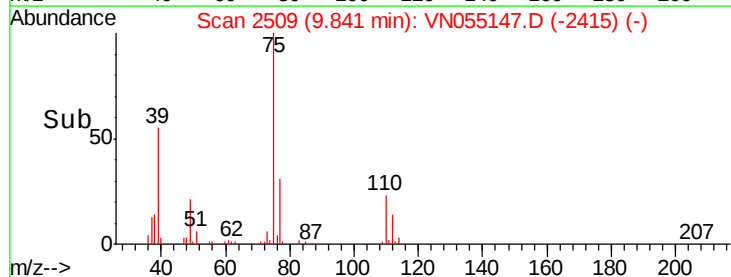
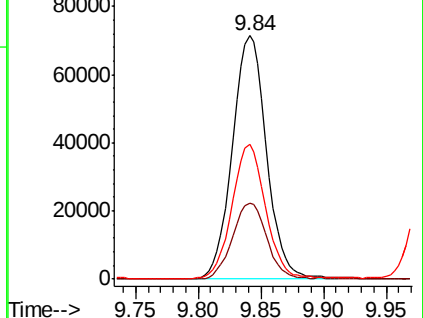
39 55.0 43.8 65.8

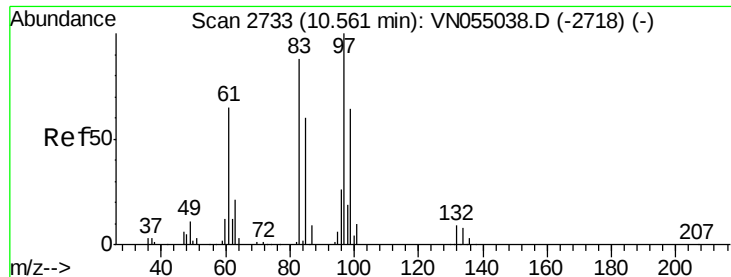


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

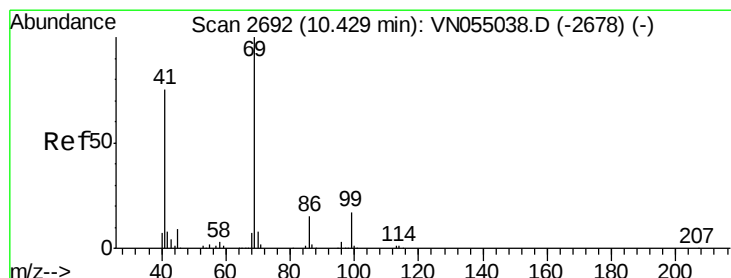
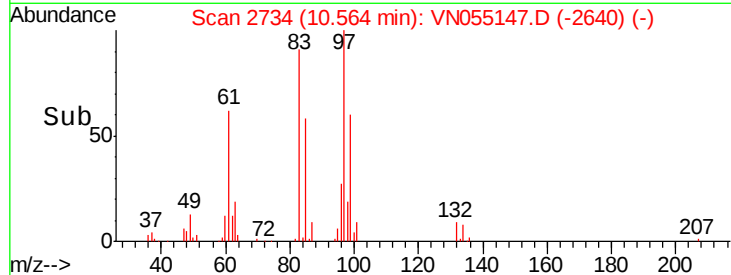
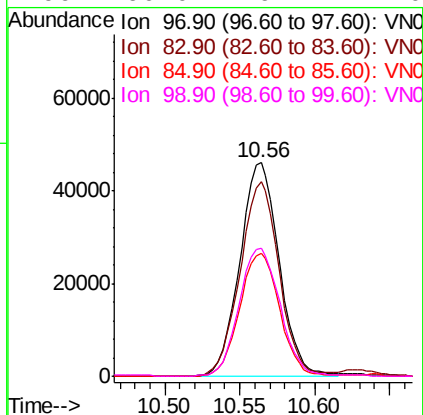
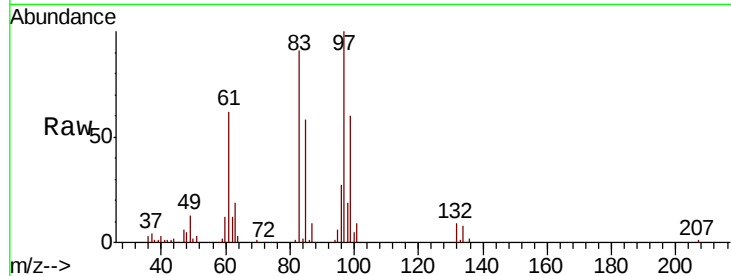




#55
 1,1,2-Trichloroethane
 Concen: 20.864 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN055147.D
 Acq: 19 Apr 2019 19:04

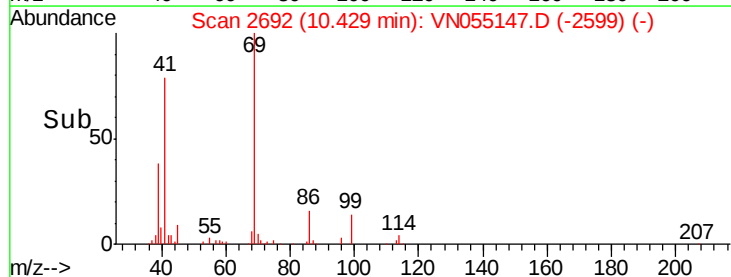
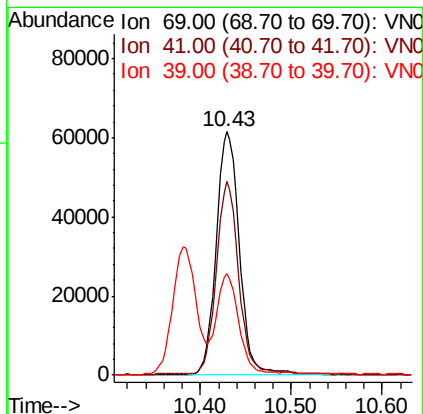
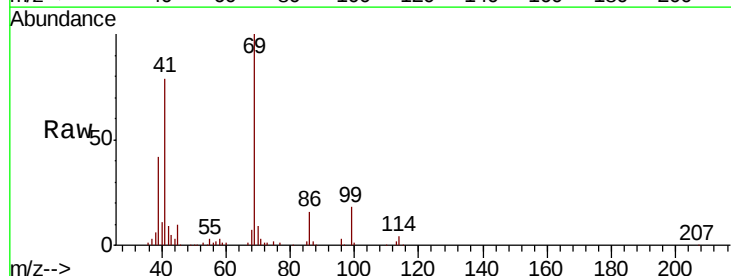
Instrument :
 MSVOA_N
 ClientSampled :
 VN0419WBS02

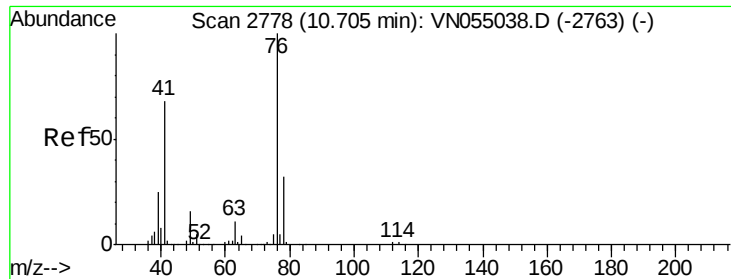
Tot Ion:	97	Resp:	84299
Ion	Ratio	Lower	Upper
97	100		
83	91.1	70.5	105.7
85	57.6	45.5	68.3
99	60.0	49.4	74.0



#56
 Ethyl methacrylate
 Concen: 22.629 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055147.D
 Acq: 19 Apr 2019 19:04

Tgt Ion:	69	Resp:	109731
Ion	Ratio	Lower	Upper
69	100		
41	74.9	61.4	92.0
39	39.3	30.8	46.2





#57

1,3-Dichloropropane

Concen: 21.468 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN055147.D

Acq: 19 Apr 2019 19:04

Instrument :

MSVOA_N

ClientSampled :

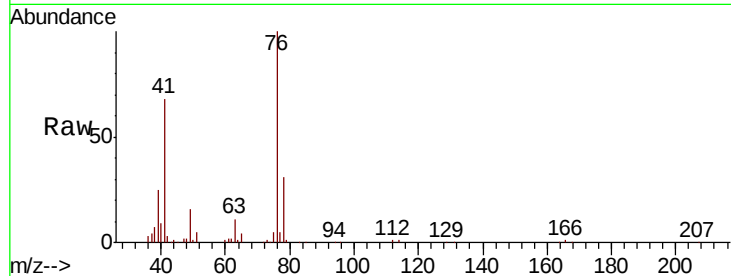
VN0419WBS02

Tot Ion: 76 Resp: 147686

Ion Ratio Lower Upper

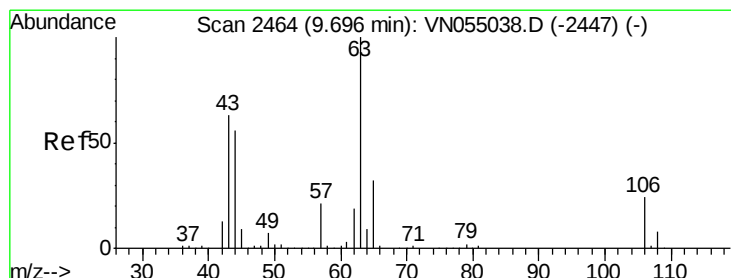
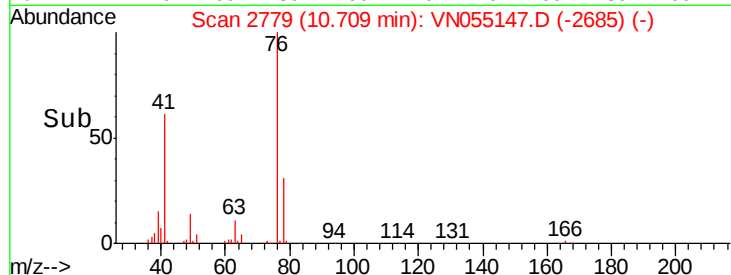
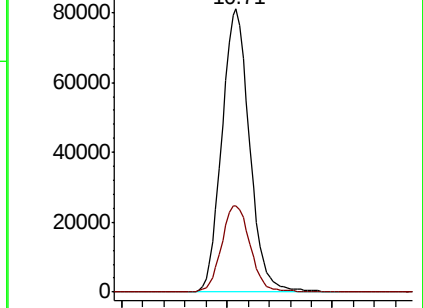
76 100

78 31.7 25.6 38.4



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 100.277 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055147.D

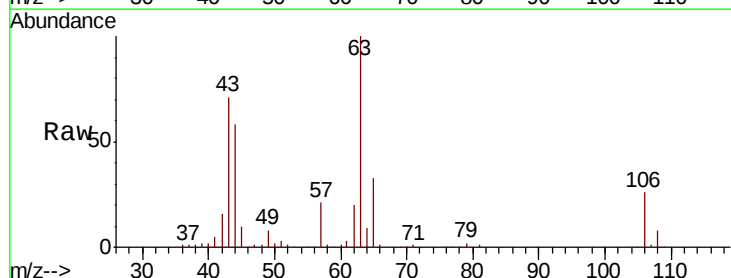
Acq: 19 Apr 2019 19:04

Tgt Ion: 63 Resp: 199263

Ion Ratio Lower Upper

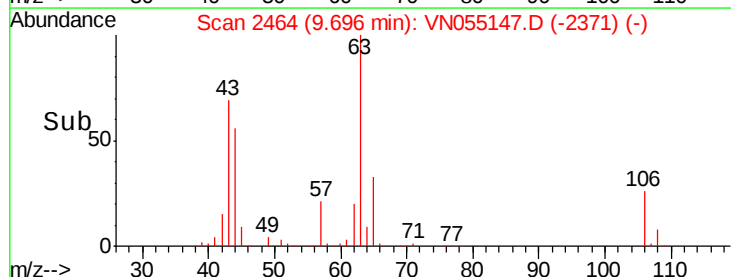
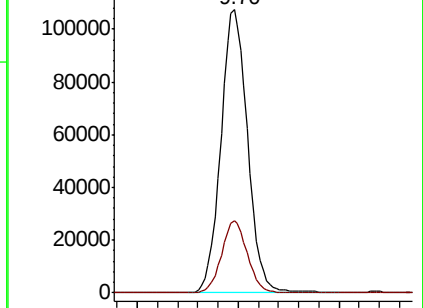
63 100

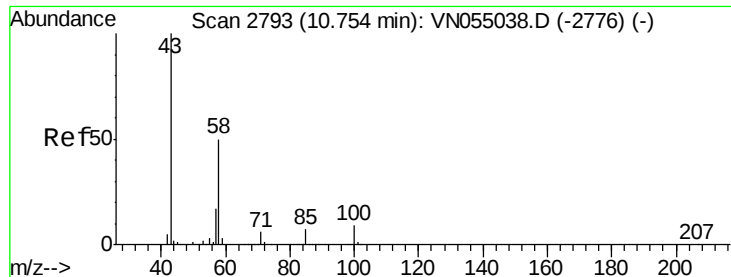
106 24.4 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

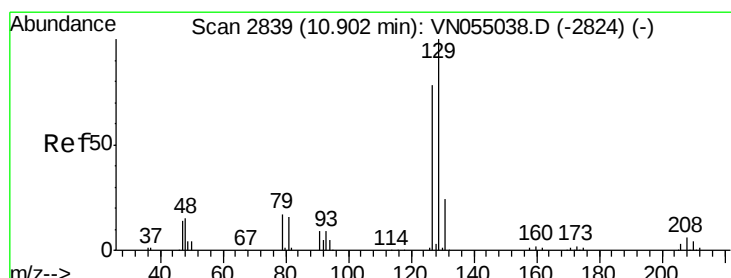
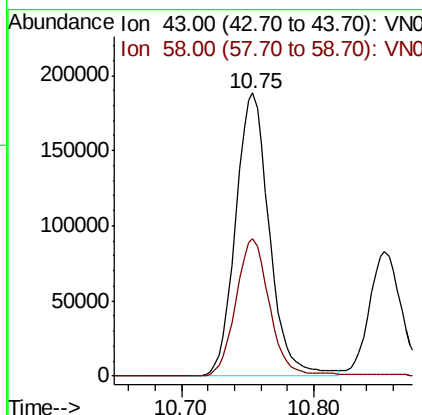
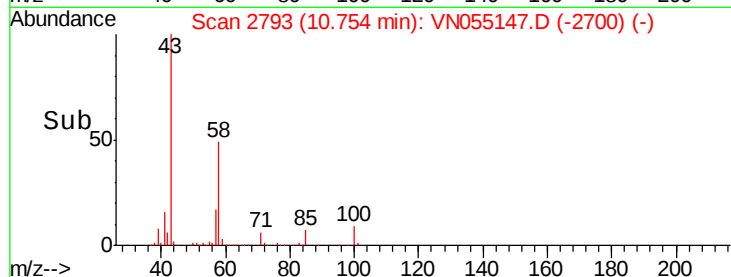
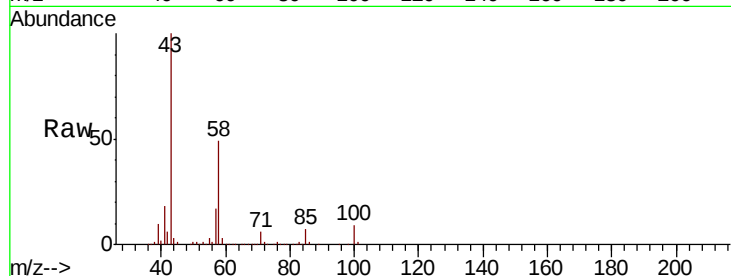




#59
2-Hexanone
Concen: 119.688 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055147.D
Acq: 19 Apr 2019 19:04

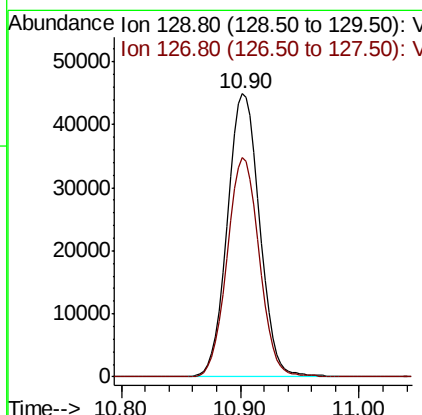
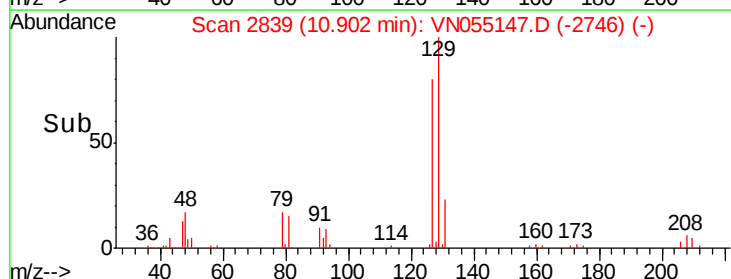
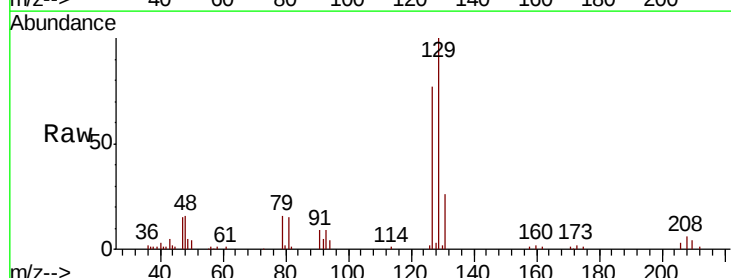
Instrument :
MSVOA_N
ClientSampled :
VN0419WBS02

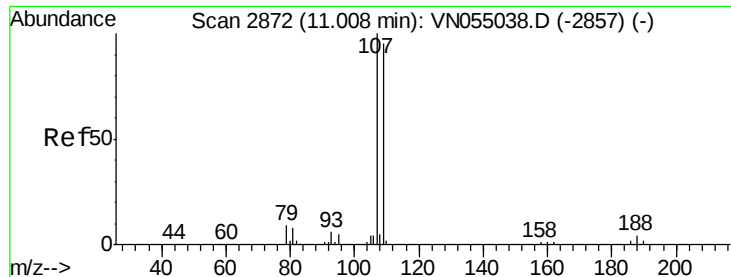
Tot Ion: 43 Resp: 330997
Ion Ratio Lower Upper
43 100
58 49.0 25.1 75.2



#60
Dibromochloromethane
Concen: 21.401 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055147.D
Acq: 19 Apr 2019 19:04

Tgt Ion:129 Resp: 84437
Ion Ratio Lower Upper
129 100
127 77.2 38.2 114.6





#61

1,2-Dibromoethane

Concen: 21.603 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN055147.D

Acq: 19 Apr 2019 19:04

Instrument :

MSVOA_N

ClientSampleId :

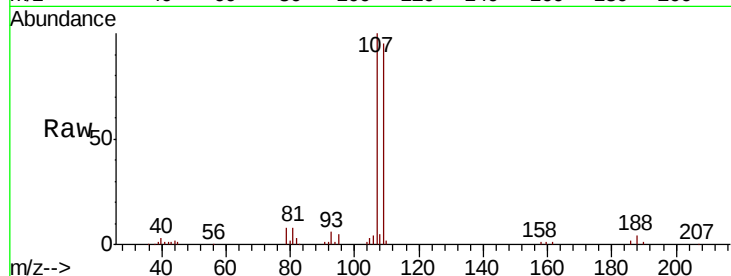
VN0419WBS02

Tot Ion:107 Resp: 80339

Ion Ratio Lower Upper

107 100

109 94.9 76.5 114.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.01

40000

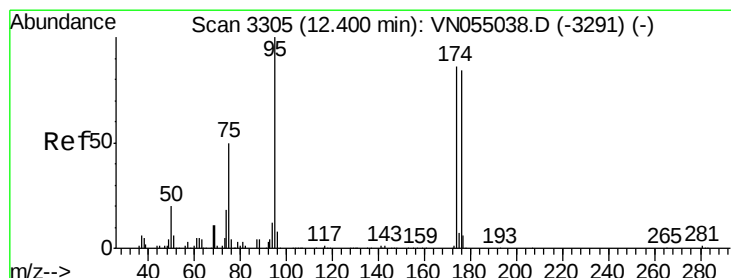
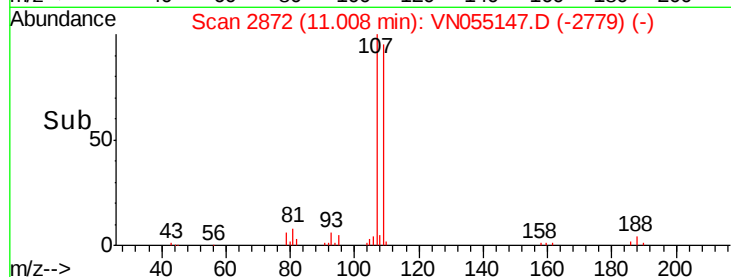
30000

20000

10000

0

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 47.791 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055147.D

Acq: 19 Apr 2019 19:04

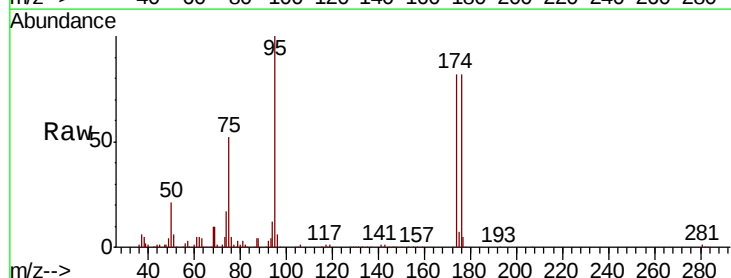
Tgt Ion: 95 Resp: 239504

Ion Ratio Lower Upper

95 100

174 83.4 0.0 174.4

176 82.1 0.0 166.8



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

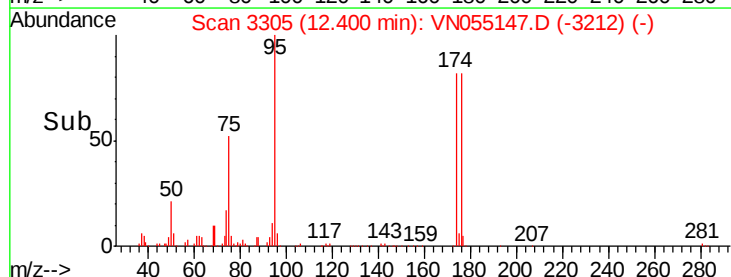
150000

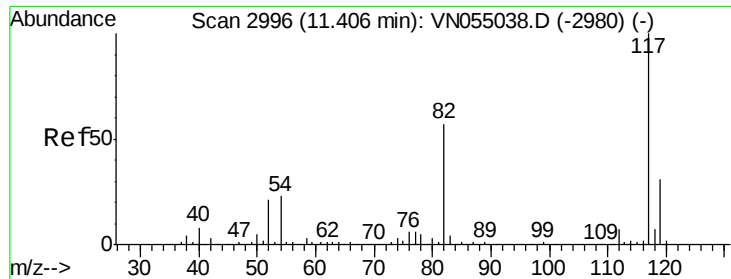
100000

50000

0

Time--> 12.35 12.40 12.45





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN055147.D

Acq: 19 Apr 2019 19:04

Instrument :

MSVOA_N

ClientSampleId :

VN0419WBS02

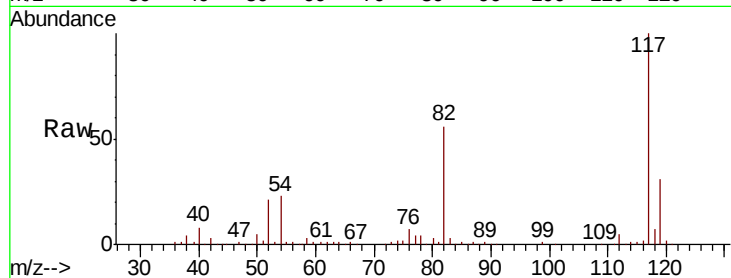
Tot Ion:117 Resp: 545091

Ion Ratio Lower Upper

117 100

82 56.5 44.6 66.8

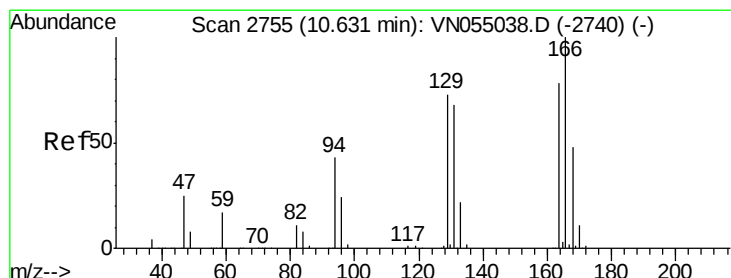
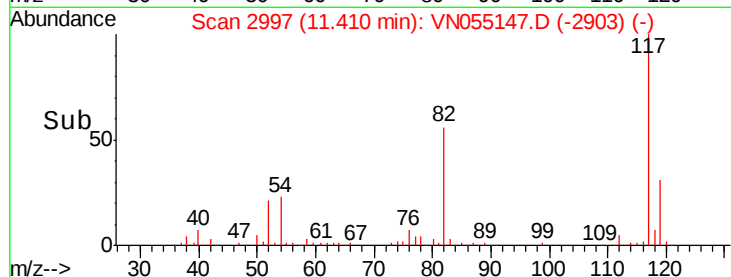
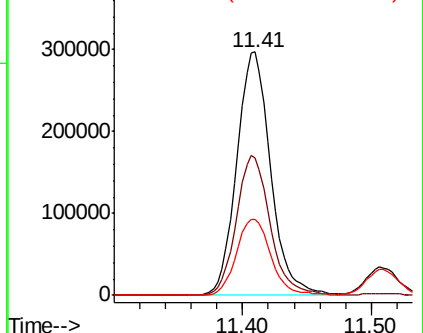
119 31.5 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 18.888 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN055147.D

Acq: 19 Apr 2019 19:04

Tgt Ion:164 Resp: 83722

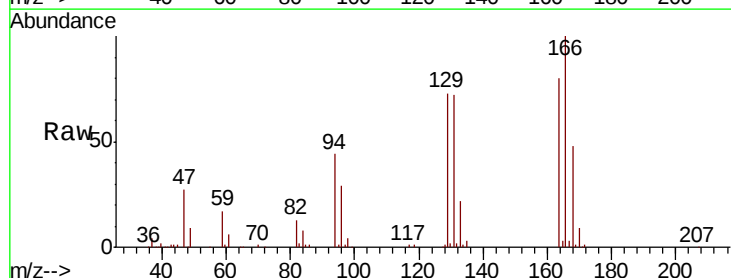
Ion Ratio Lower Upper

164 100

166 124.6 100.0 150.0

129 91.1 72.0 108.0

131 89.5 69.7 104.5

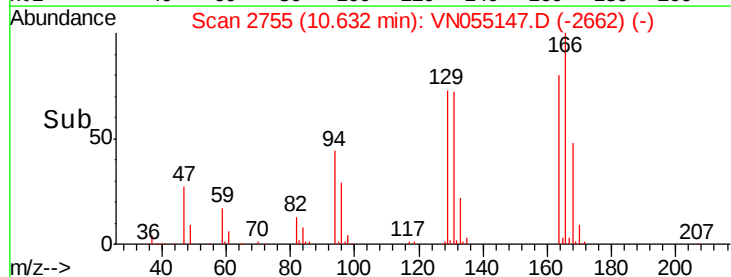
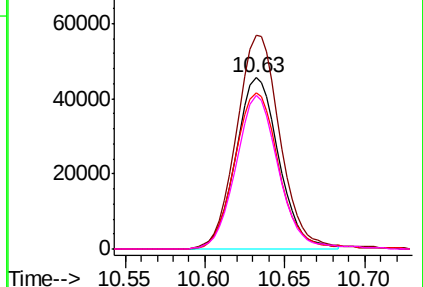


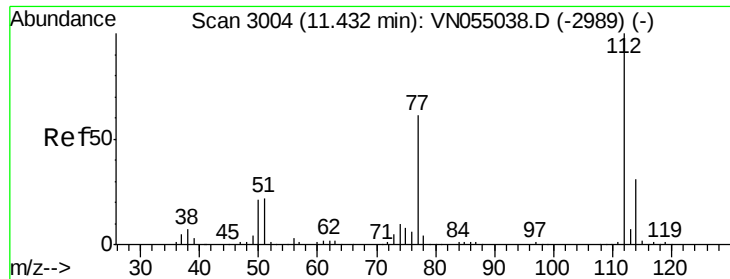
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

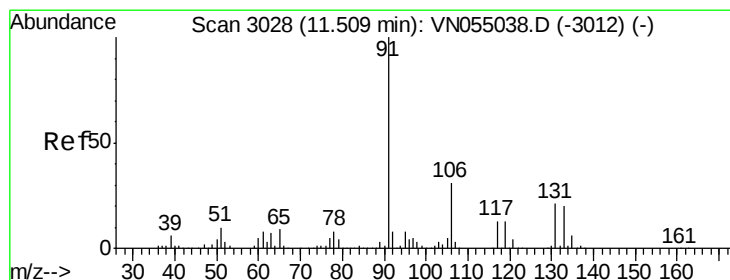
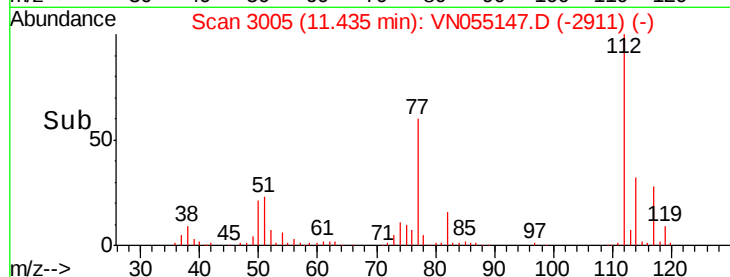
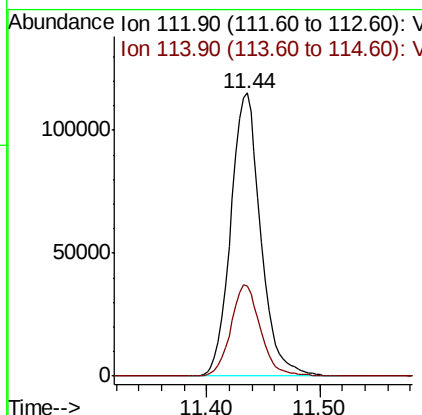
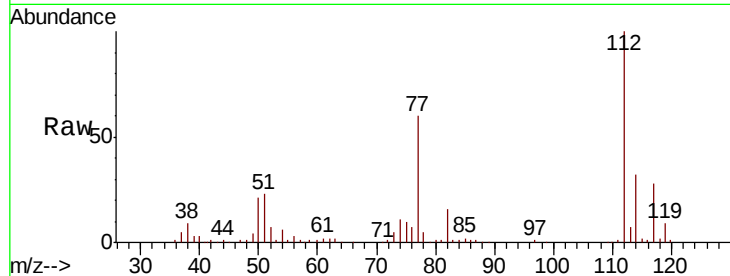




#65
Chlorobenzene
Concen: 19.329 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN055147.D
Acq: 19 Apr 2019 19:04

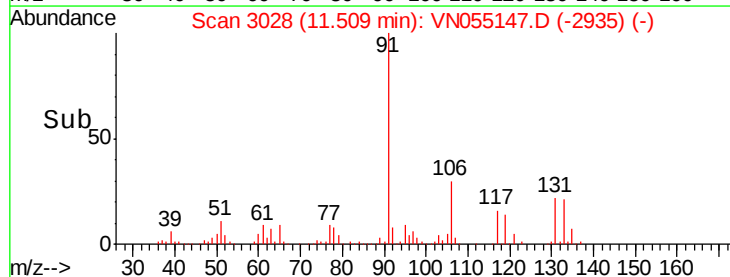
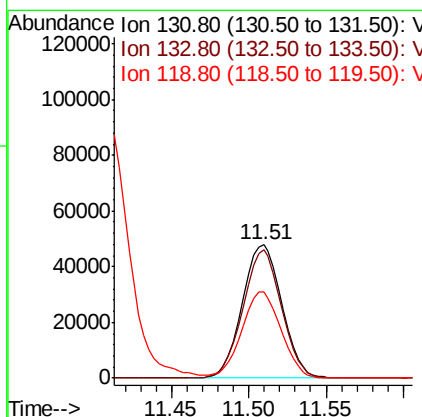
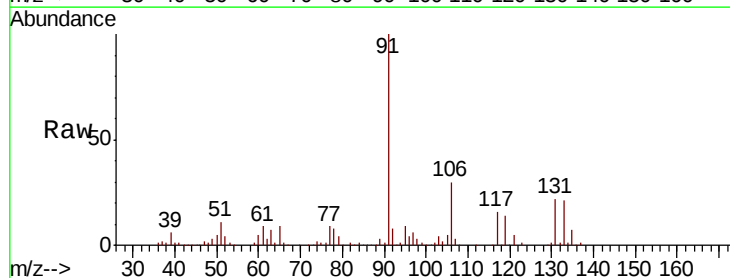
Instrument :
MSVOA_N
ClientSampleId :
VN0419WBS02

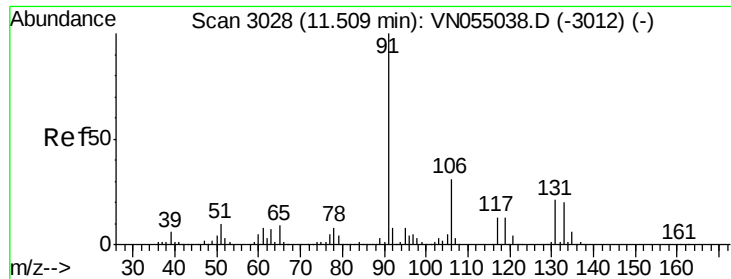
Tot Ion:112 Resp: 212079
Ion Ratio Lower Upper
112 100
114 31.9 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 21.123 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055147.D
Acq: 19 Apr 2019 19:04

Tgt Ion:131 Resp: 85243
Ion Ratio Lower Upper
131 100
133 93.7 47.8 143.3
119 64.8 33.6 100.6

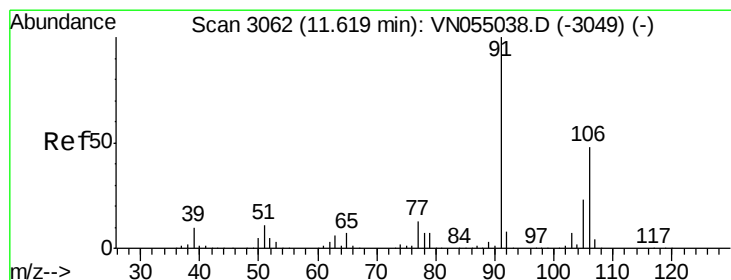
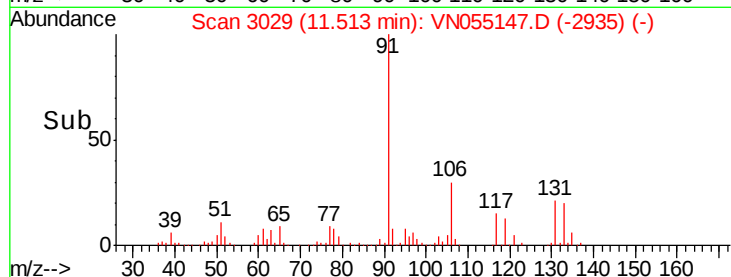
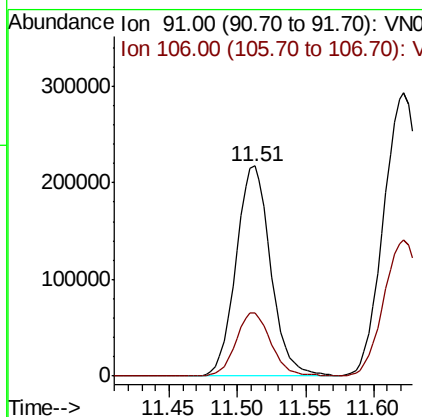
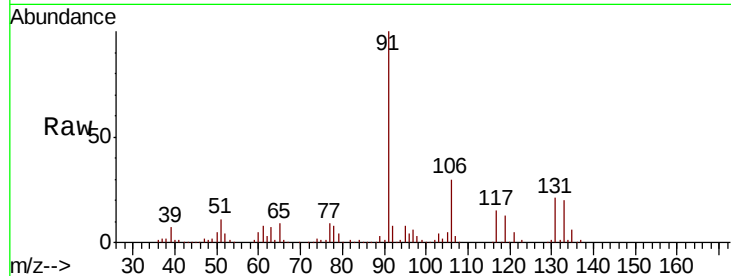




#67
Ethyl Benzene
Concen: 19.623 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN055147.D
Acq: 19 Apr 2019 19:04

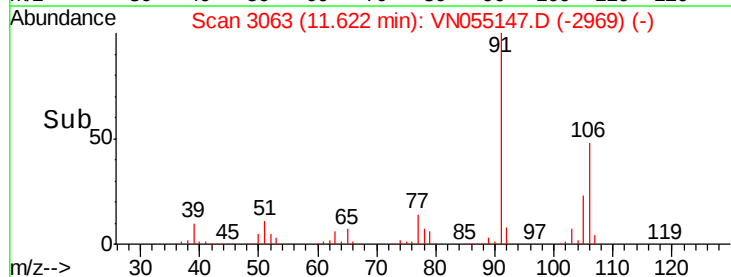
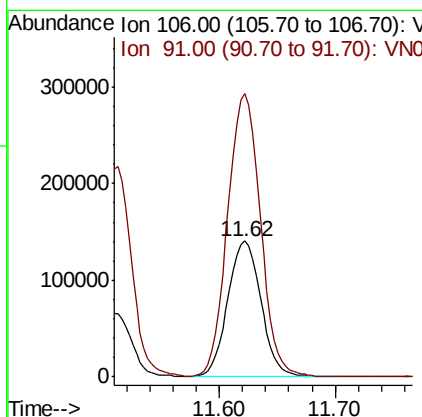
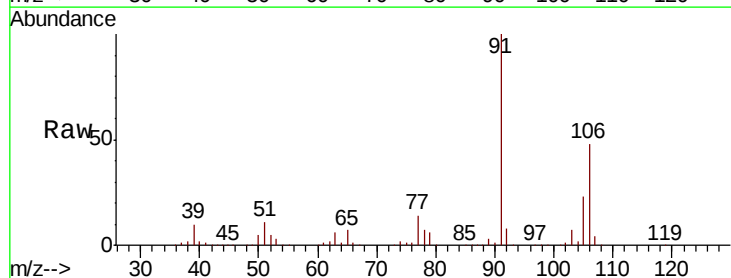
Instrument :
MSVOA_N
ClientSampled :
VN0419WBS02

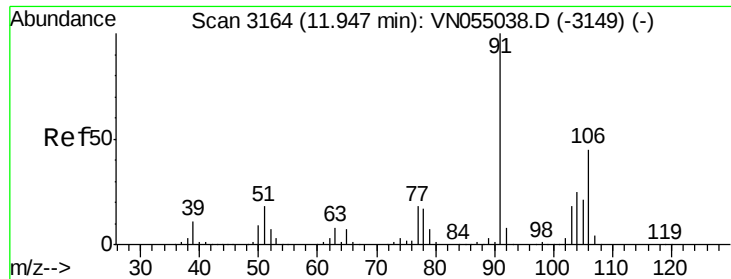
Tot Ion: 91 Resp: 384494
Ion Ratio Lower Upper
91 100
106 30.2 24.3 36.5



#68
m/p-Xylenes
Concen: 39.627 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN055147.D
Acq: 19 Apr 2019 19:04

Tgt Ion: 106 Resp: 281172
Ion Ratio Lower Upper
106 100
91 205.1 165.9 248.9

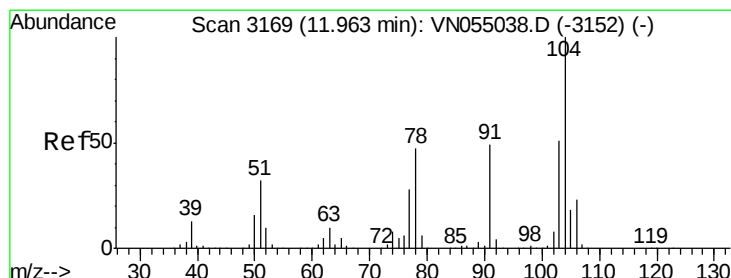
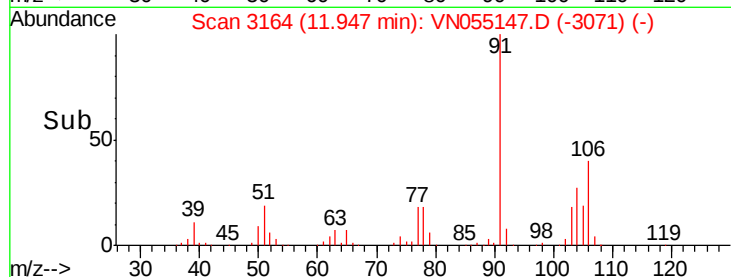
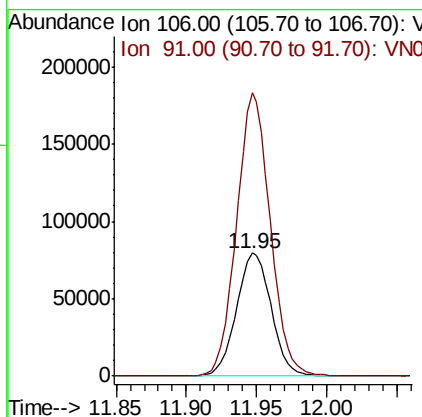
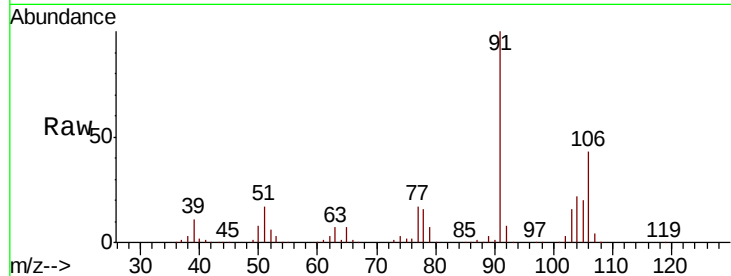




#69
o-Xylene
Concen: 19.940 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055147.D
Acq: 19 Apr 2019 19:04

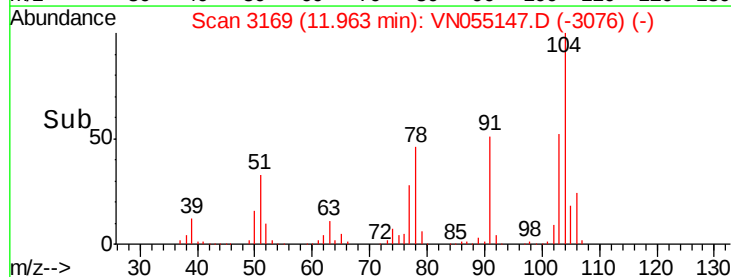
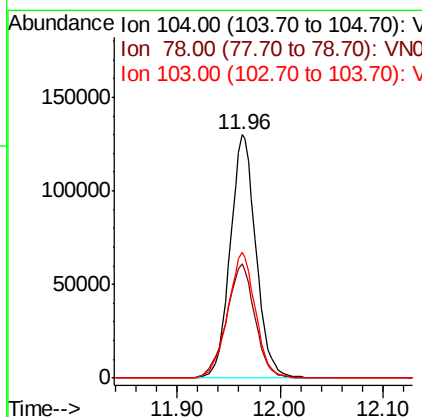
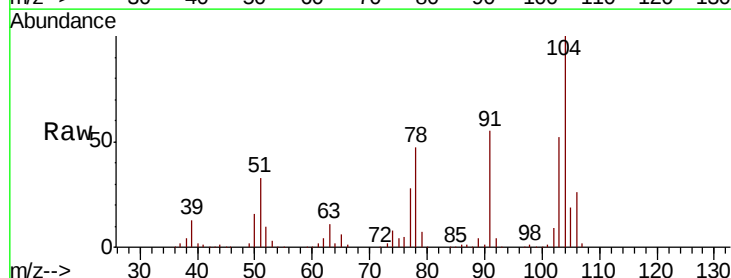
Instrument :
MSVOA_N
ClientSampleId :
VN0419WBS02

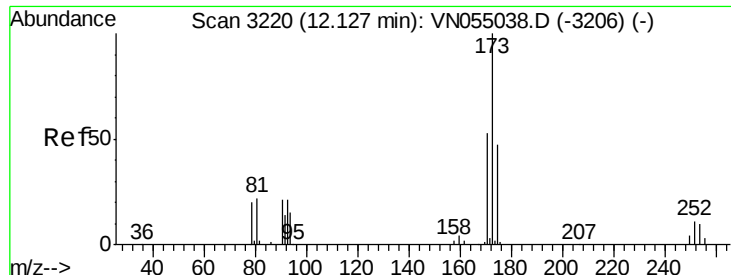
Tot Ion:106 Resp: 137035
Ion Ratio Lower Upper
106 100
91 223.6 109.9 329.8



#70
Styrene
Concen: 20.314 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055147.D
Acq: 19 Apr 2019 19:04

Tgt Ion:104 Resp: 225980
Ion Ratio Lower Upper
104 100
78 51.8 40.3 60.5
103 55.6 44.3 66.5





#71

Bromoform

Concen: 22.008 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055147.D

Acq: 19 Apr 2019 19:04

Instrument :

MSVOA_N

ClientSampleId :

VN0419WBS02

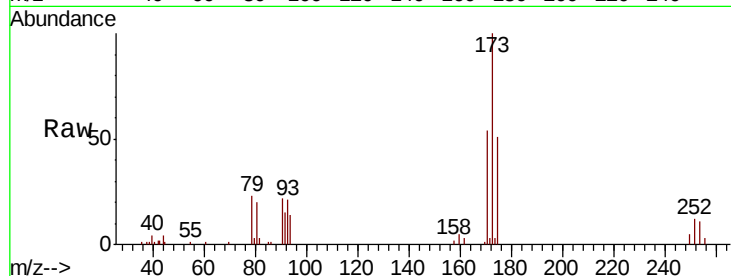
Tot Ion:173 Resp: 50906

Ion Ratio Lower Upper

173 100

175 50.3 24.3 73.0

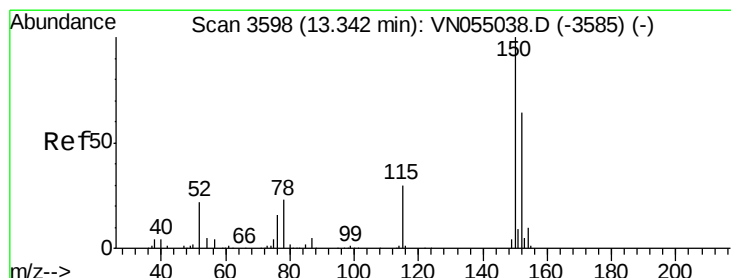
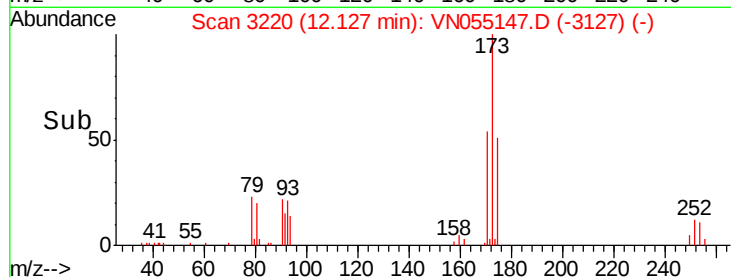
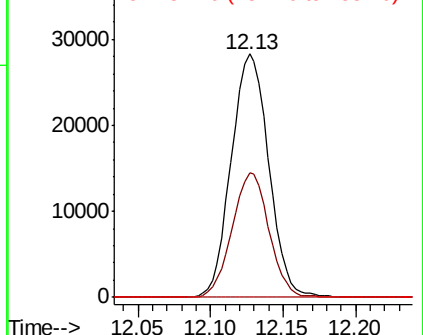
254 0.0 0.1 0.1#



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: VN055147.D

Acq: 19 Apr 2019 19:04

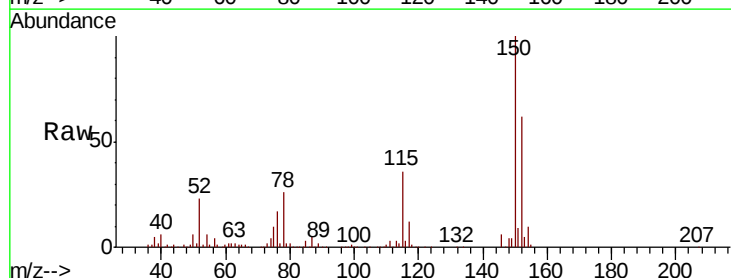
Tgt Ion:152 Resp: 205957

Ion Ratio Lower Upper

152 100

115 58.4 28.5 85.6

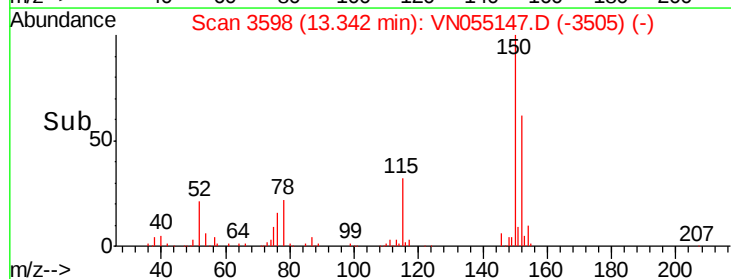
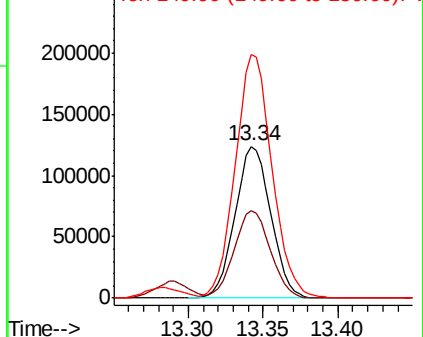
150 165.4 0.0 347.2

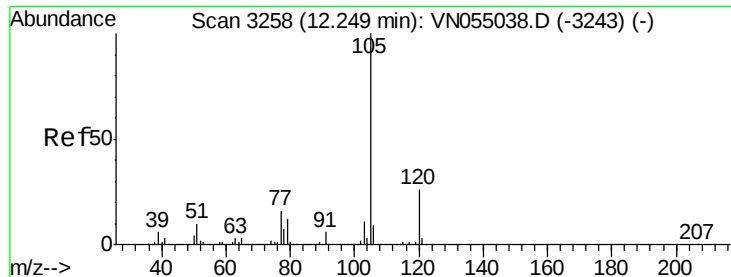


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.330 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055147.D

Acq: 19 Apr 2019 19:04

Instrument :

MSVOA_N

ClientSampleId :

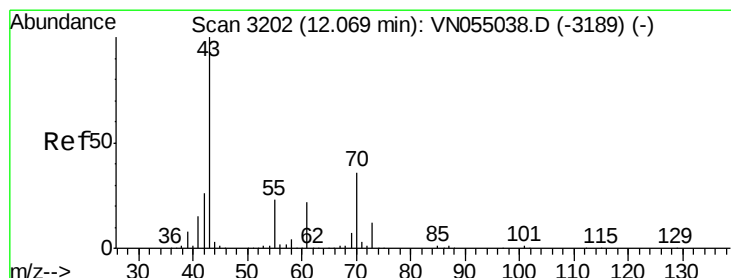
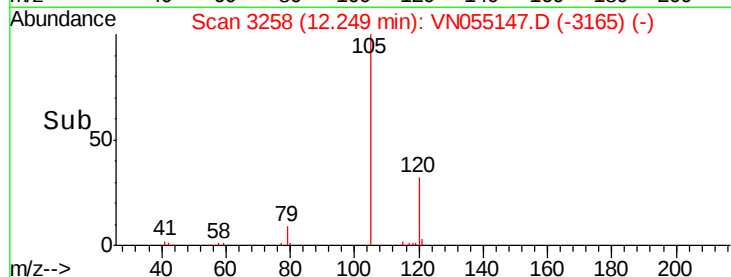
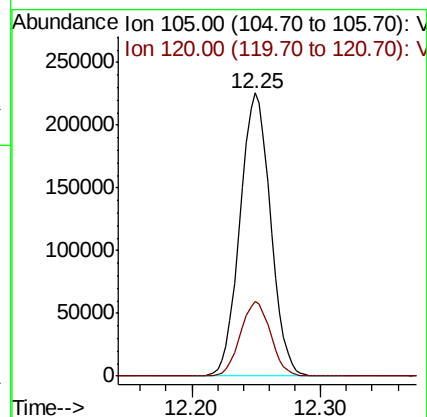
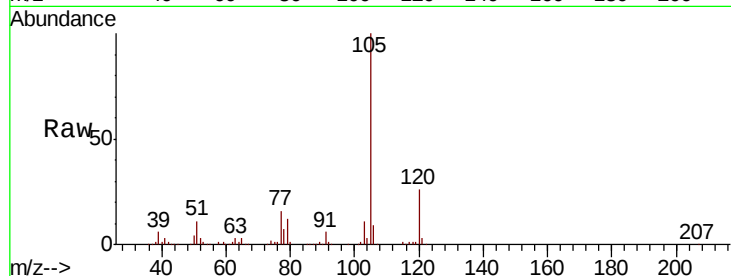
VN0419WBS02

Tot Ion:105 Resp: 371558

Ion Ratio Lower Upper

105 100

120 26.2 13.3 39.9



#74

N-ethyl acetate

Concen: 23.757 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055147.D

Acq: 19 Apr 2019 19:04

Tgt Ion: 43 Resp: 122221

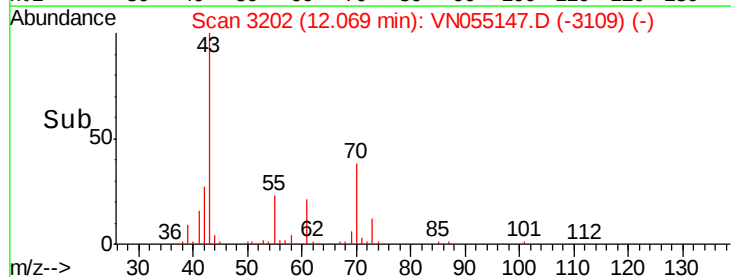
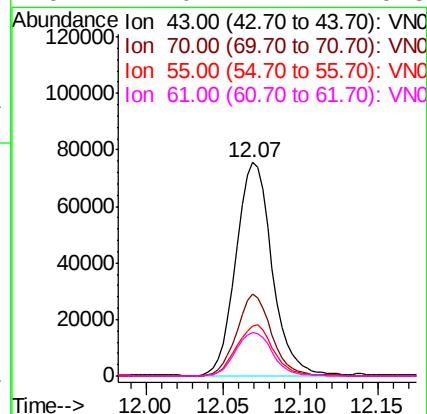
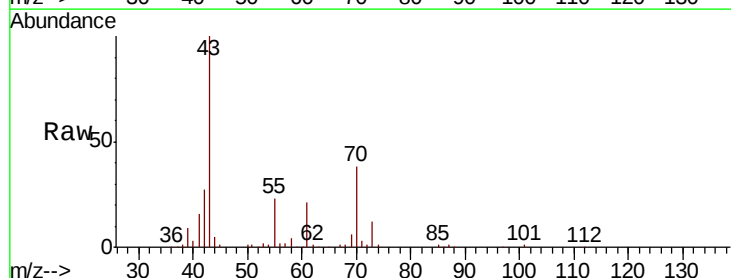
Ion Ratio Lower Upper

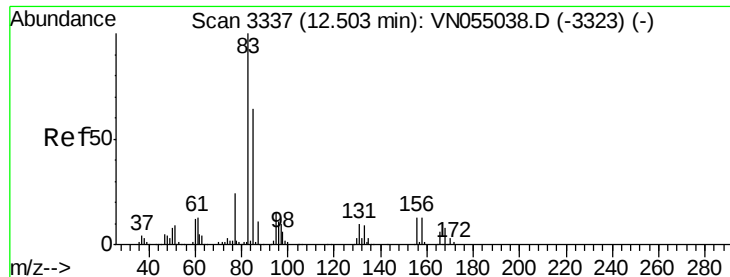
43 100

70 36.9 29.4 44.0

55 24.5 19.0 28.4

61 21.0 17.7 26.5





#75

1,1,2,2-Tetrachloroethane

Concen: 22.267 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055147.D

Acq: 19 Apr 2019 19:04

Instrument :

MSVOA_N

ClientSampleId :

VN0419WBS02

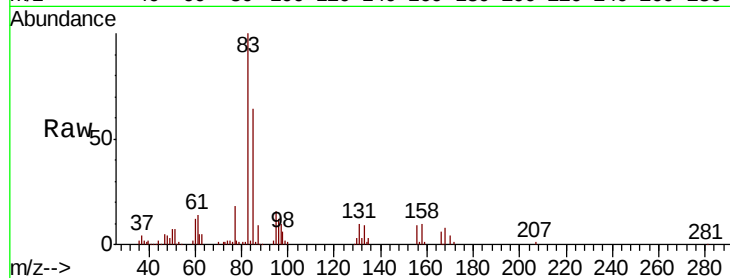
Tot Ion: 83 Resp: 108895

Ion Ratio Lower Upper

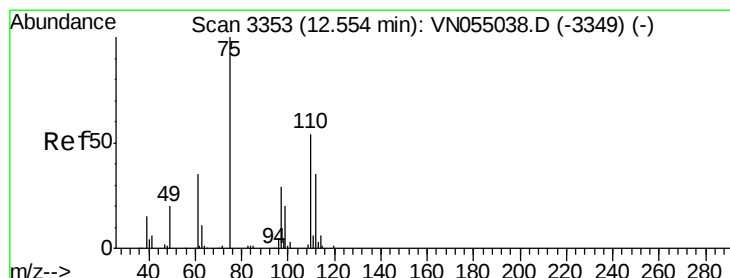
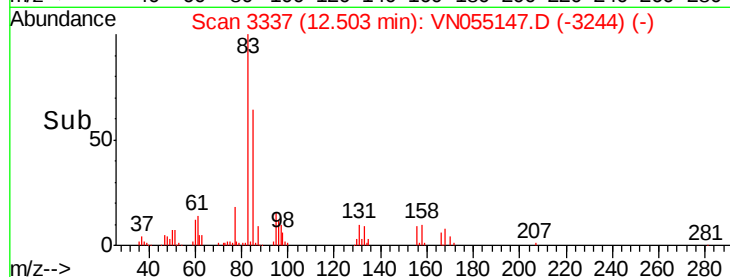
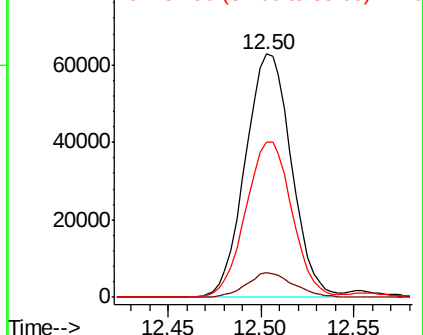
83 100

131 10.2 5.0 15.0

85 64.5 32.3 96.9



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 33.316 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055147.D

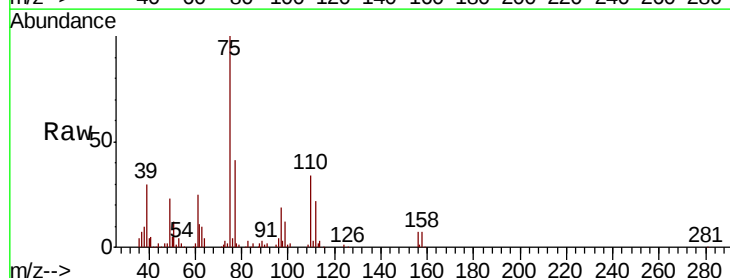
Acq: 19 Apr 2019 19:04

Tgt Ion: 75 Resp: 123389

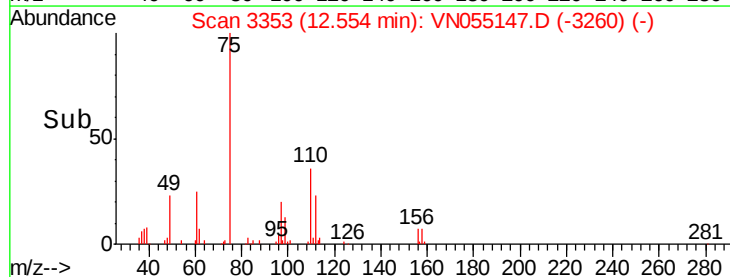
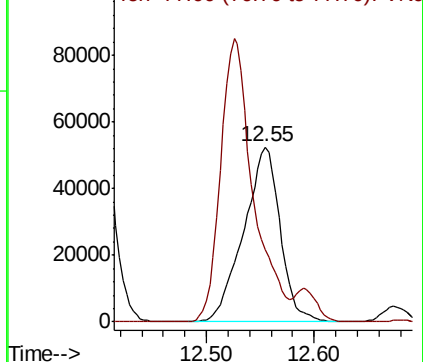
Ion Ratio Lower Upper

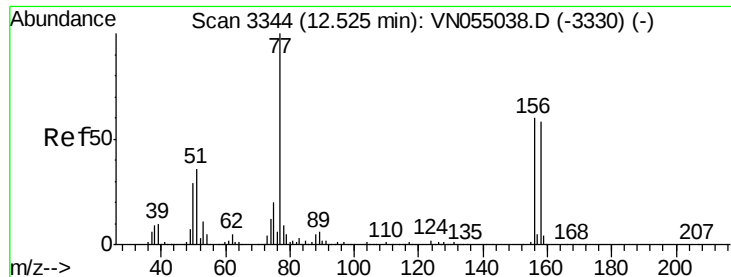
75 100

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: 19.562 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055147.D

Acq: 19 Apr 2019 19:04

Instrument :

MSVOA_N

ClientSampleId :

VN0419WBS02

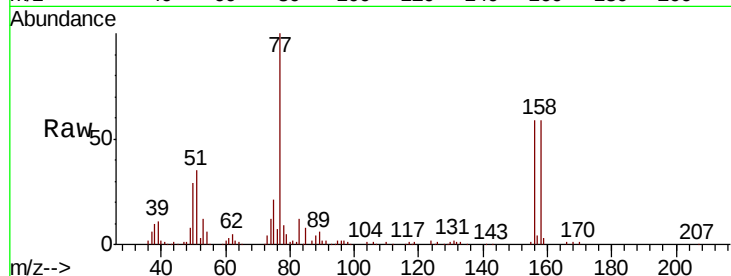
Tot Ion:156 Resp: 89130

Ion Ratio Lower Upper

156 100

77 200.5 97.2 291.5

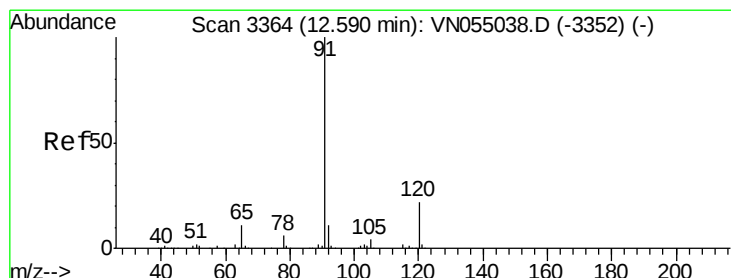
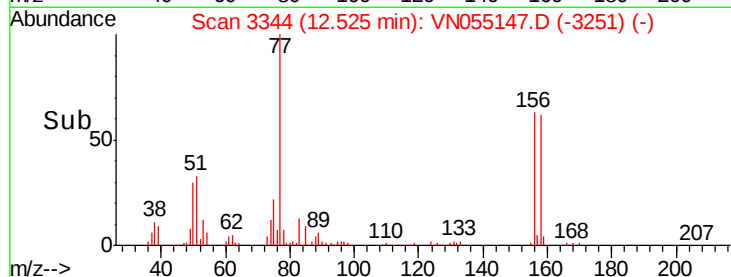
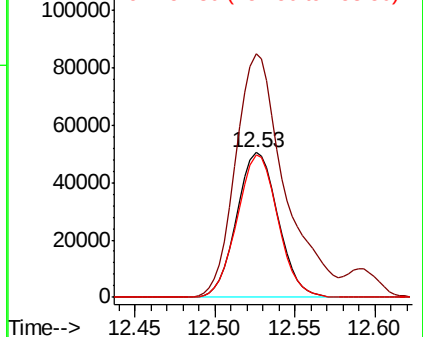
158 97.3 48.6 145.9



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: 20.157 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055147.D

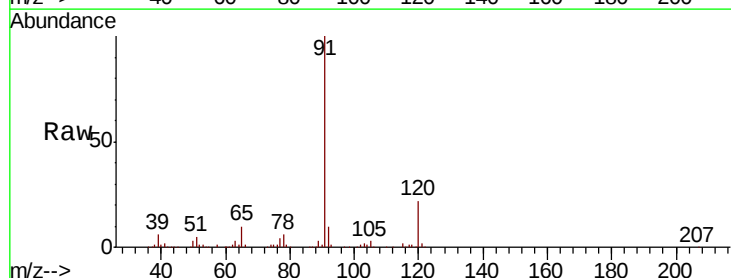
Acq: 19 Apr 2019 19:04

Tgt Ion: 91 Resp: 398023

Ion Ratio Lower Upper

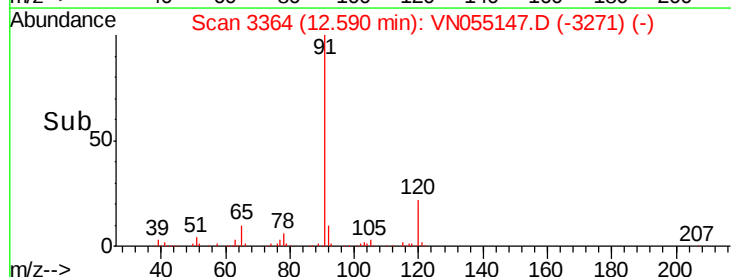
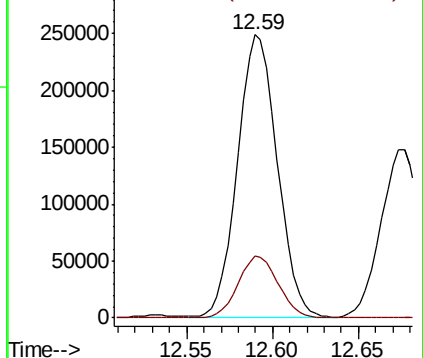
91 100

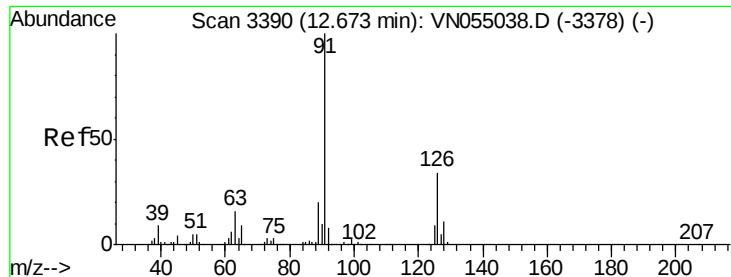
120 22.1 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.858 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN055147.D

Acq: 19 Apr 2019 19:04

Instrument :

MSVOA_N

ClientSampleId :

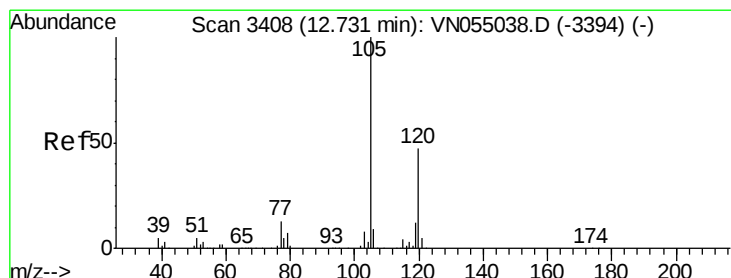
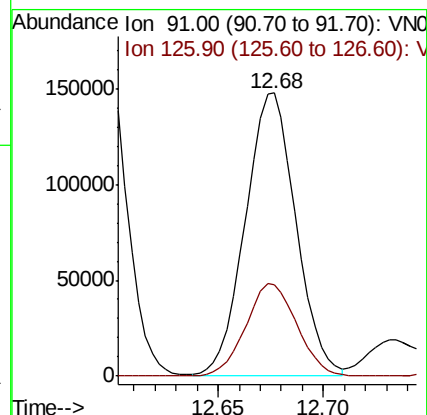
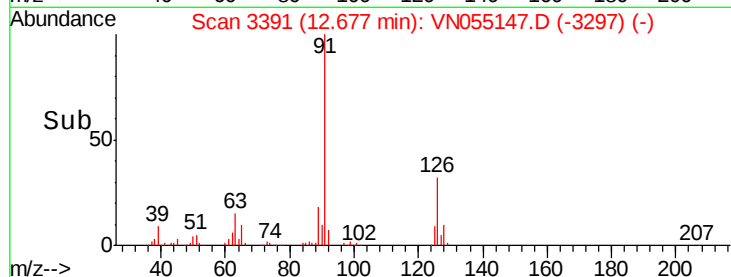
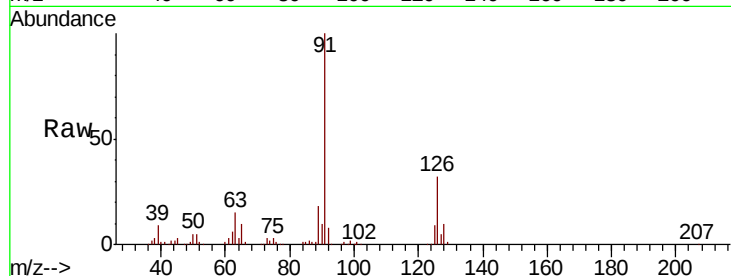
VN0419WBS02

Tot Ion: 91 Resp: 244574

Ion Ratio Lower Upper

91 100

126 33.4 17.1 51.2



#80

1,3,5-Trimethylbenzene

Concen: 19.983 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055147.D

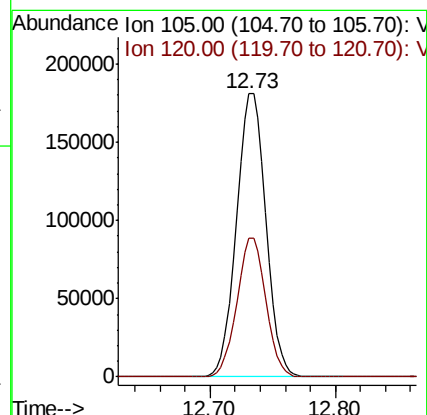
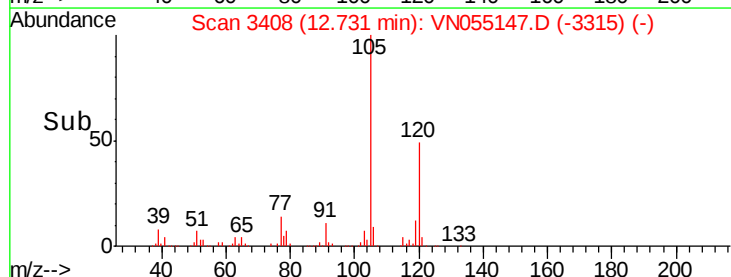
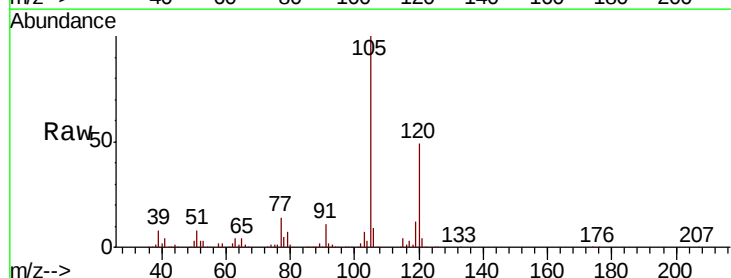
Acq: 19 Apr 2019 19:04

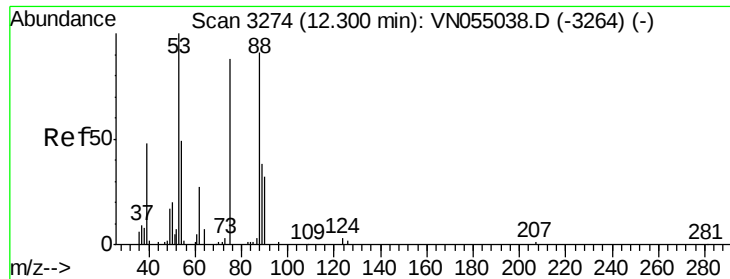
Tgt Ion: 105 Resp: 294729

Ion Ratio Lower Upper

105 100

120 48.0 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 24.208 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055147.D

Acq: 19 Apr 2019 19:04

Instrument :

MSVOA_N

ClientSampled :

VN0419WBS02

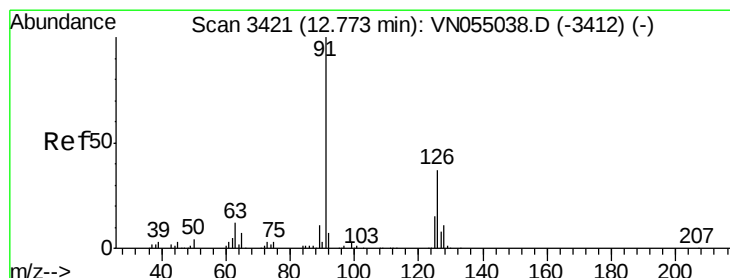
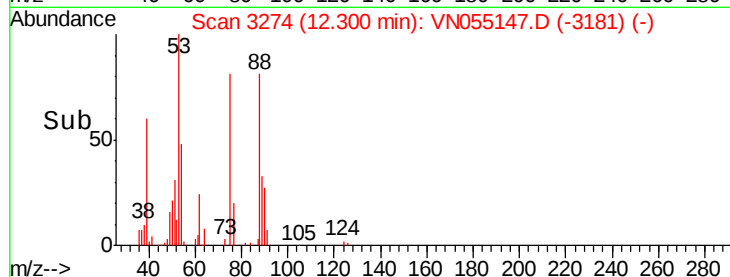
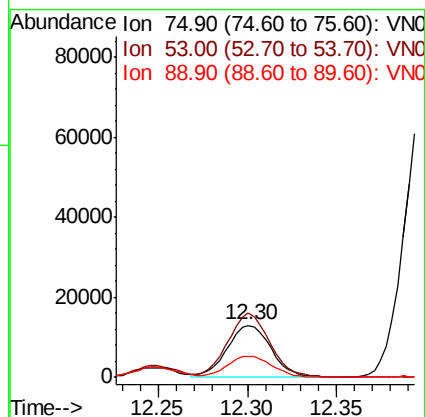
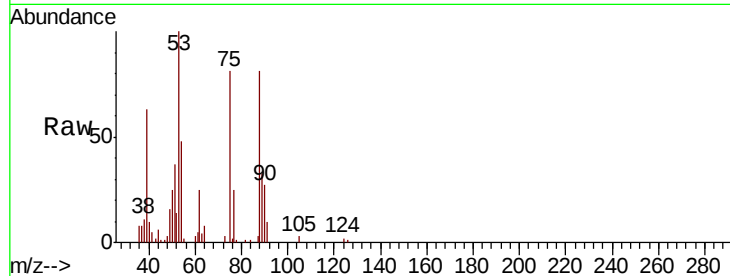
Tot Ion: 75 Resp: 22421

Ion Ratio Lower Upper

75 100

53 117.6 96.3 144.5

89 40.7 38.6 57.8



#82

4-Chlorotoluene

Concen: 20.188 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN055147.D

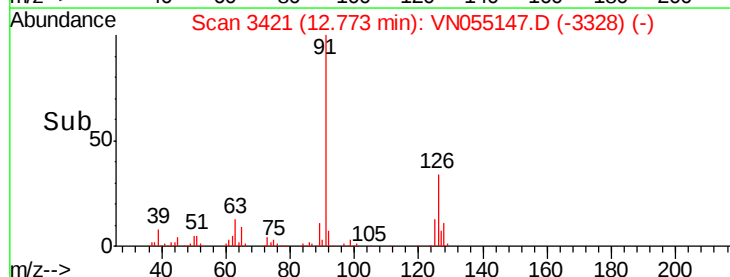
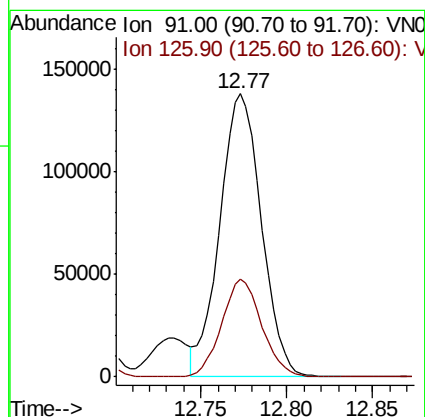
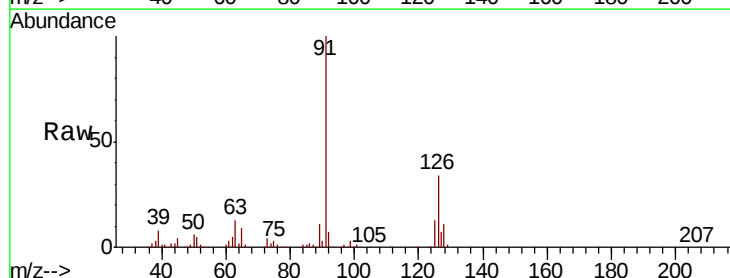
Acq: 19 Apr 2019 19:04

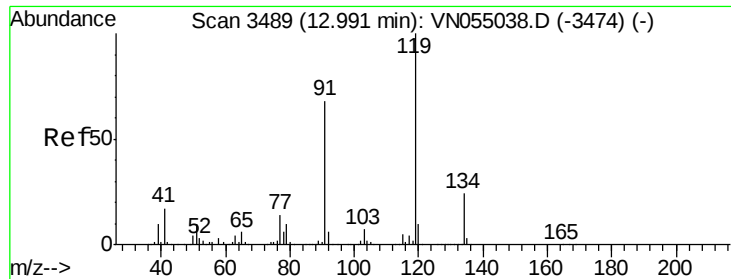
Tgt Ion: 91 Resp: 231978

Ion Ratio Lower Upper

91 100

126 33.5 16.4 49.2

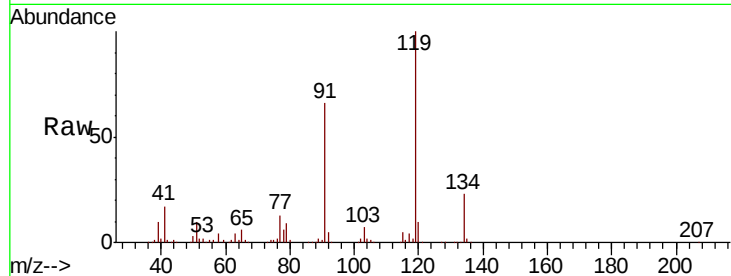




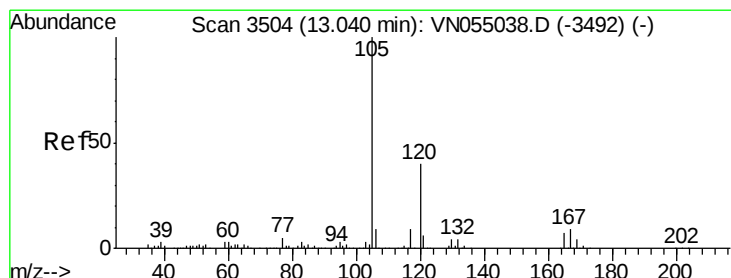
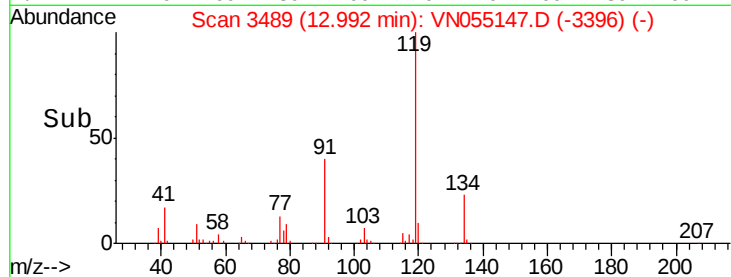
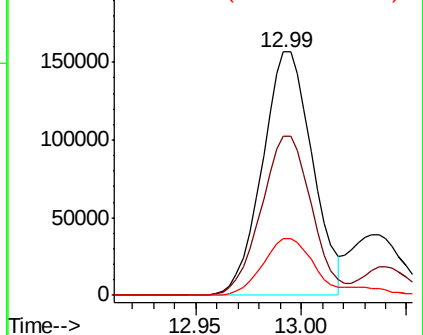
#83
tert-Butylbenzene
Concen: 20.793 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055147.D
Acq: 19 Apr 2019 19:04

Instrument :
MSVOA_N
ClientSampled :
VN0419WBS02

Tot Ion:119 Resp: 258991
Ion Ratio Lower Upper
119 100
91 65.8 33.3 99.8
134 26.2 12.3 36.9

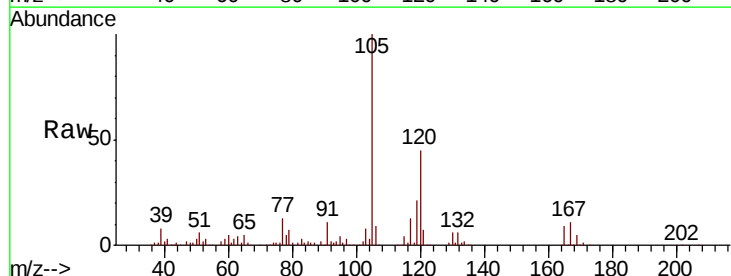


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

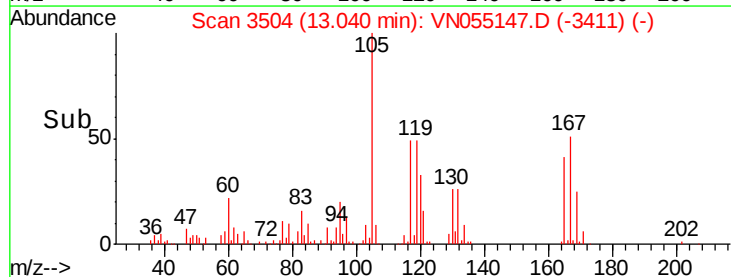
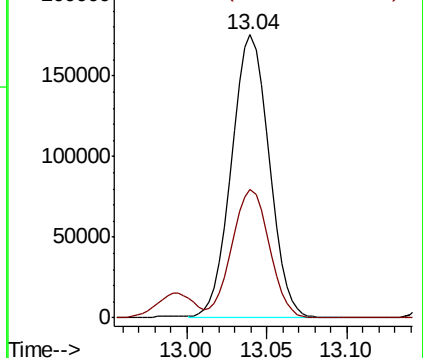


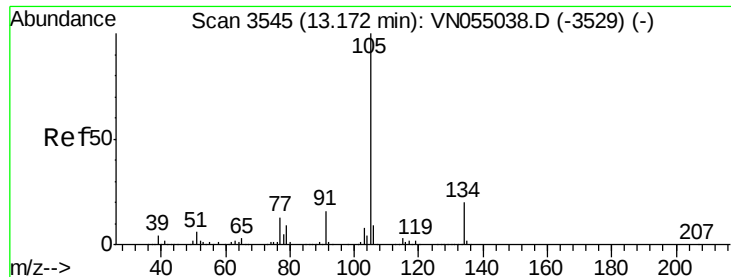
#84
1,2,4-Trimethylbenzene
Concen: 20.054 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN055147.D
Acq: 19 Apr 2019 19:04

Tgt Ion:105 Resp: 280300
Ion Ratio Lower Upper
105 100
120 45.4 22.4 67.3



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

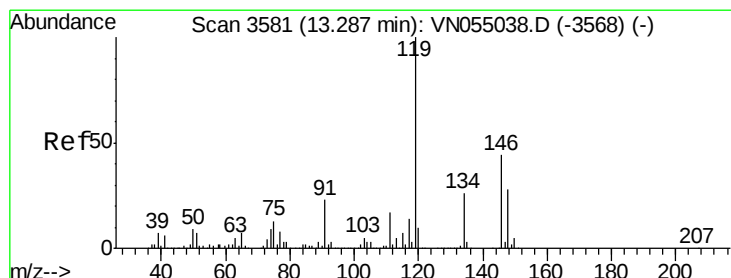
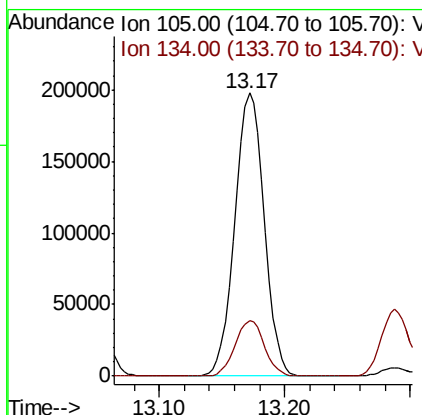
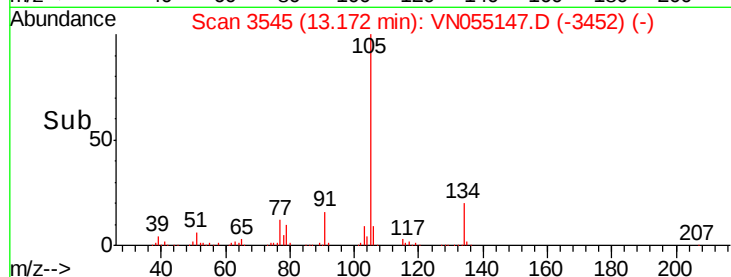
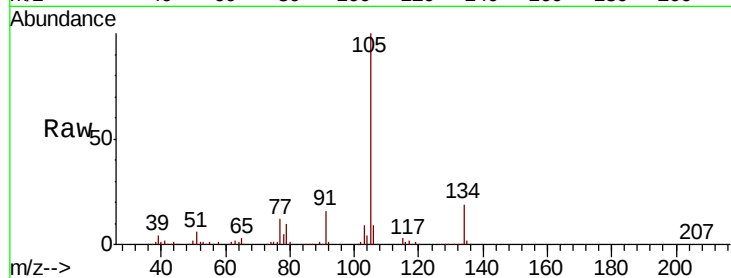




#85
 sec-Butylbenzene
 Concen: 20.294 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN055147.D
 Acq: 19 Apr 2019 19:04

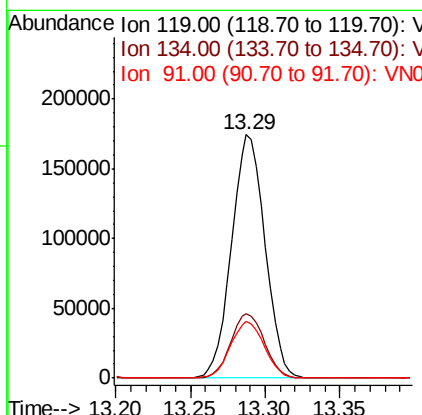
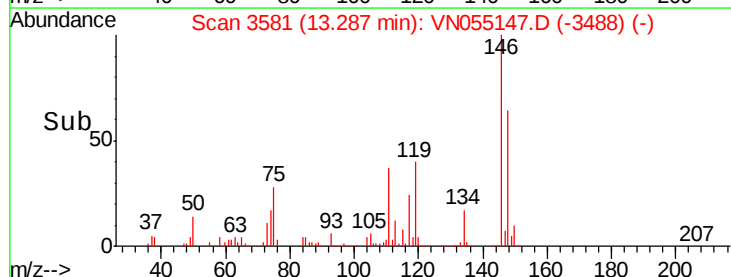
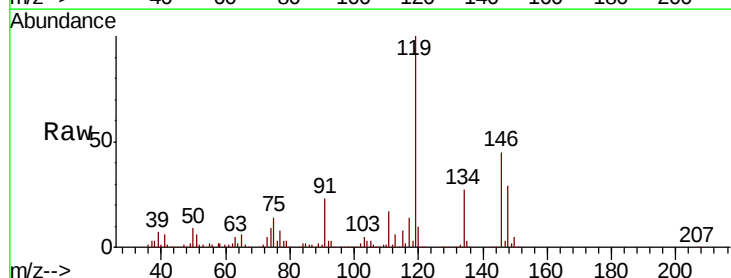
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0419WBS02

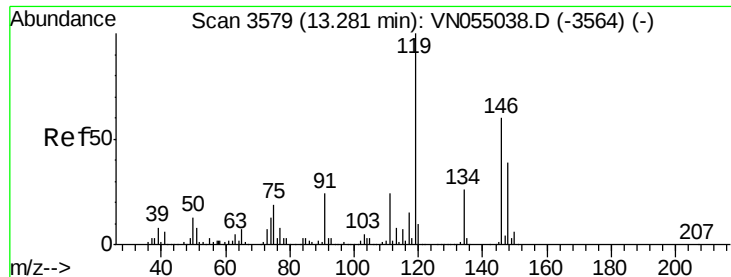
Tot Ion:105 Resp: 322096
 Ion Ratio Lower Upper
 105 100
 134 19.5 9.8 29.3



#86
 p-Isopropyltoluene
 Concen: 19.953 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN055147.D
 Acq: 19 Apr 2019 19:04

Tgt Ion:119 Resp: 271687
 Ion Ratio Lower Upper
 119 100
 134 26.8 13.2 39.5
 91 23.8 11.7 35.1





#87

1,3-Dichlorobenzene

Concen: 20.384 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN055147.D

Acq: 19 Apr 2019 19:04

Instrument :

MSVOA_N

ClientSampleId :

VN0419WBS02

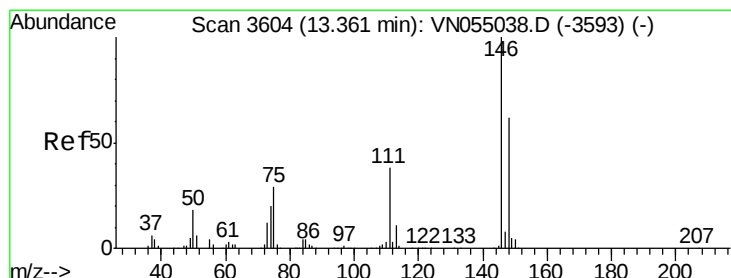
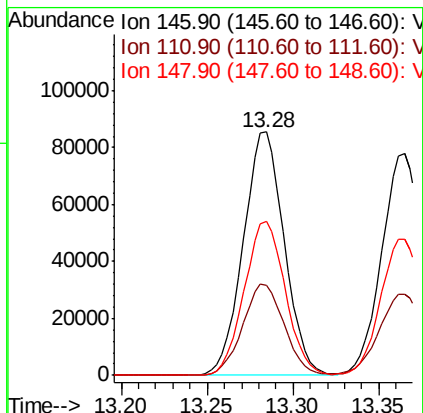
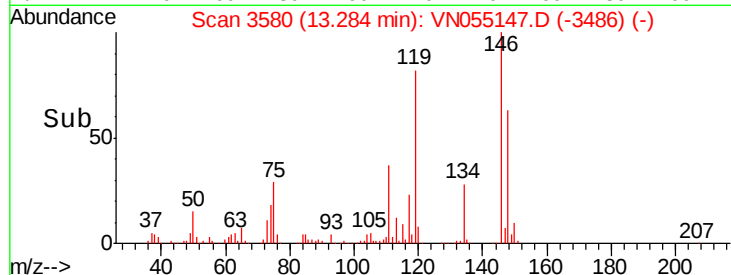
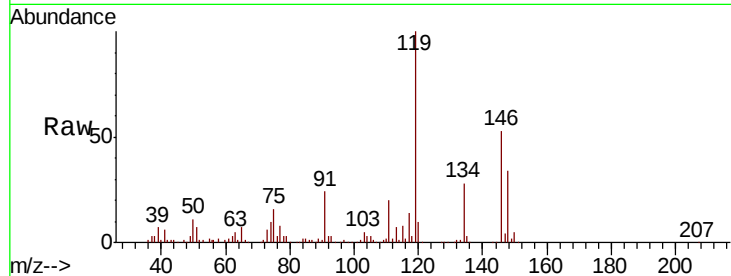
Tot Ion:146 Resp: 141167

Ion Ratio Lower Upper

146 100

111 38.0 19.5 58.5

148 63.2 31.6 94.7



#88

1,4-Dichlorobenzene

Concen: 19.753 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN055147.D

Acq: 19 Apr 2019 19:04

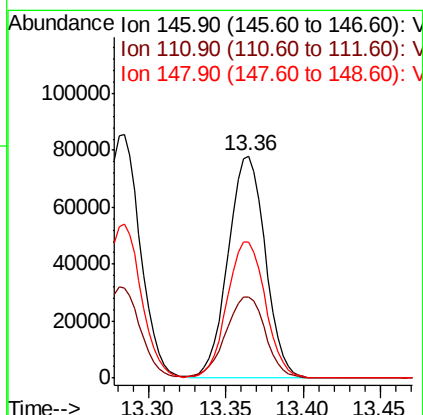
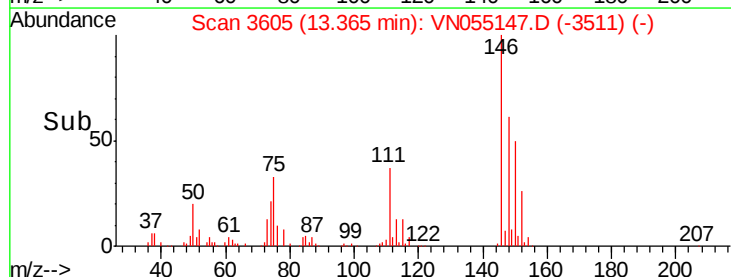
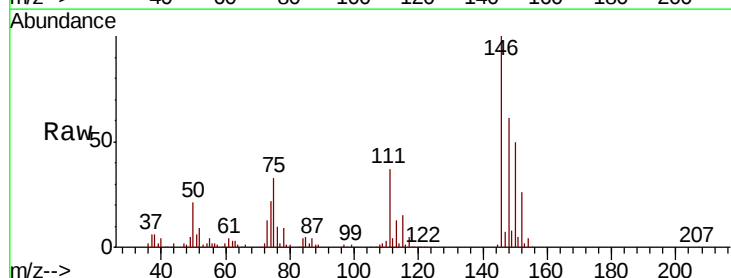
Tgt Ion:146 Resp: 130450

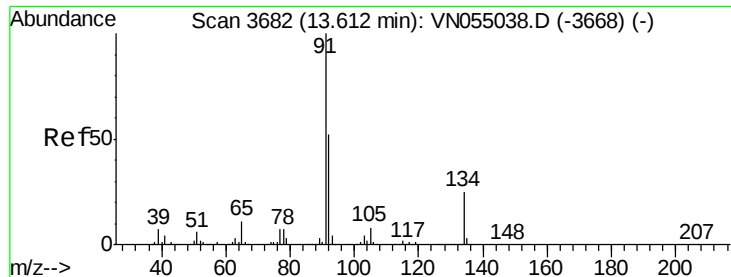
Ion Ratio Lower Upper

146 100

111 39.3 18.8 56.4

148 63.2 32.4 97.2

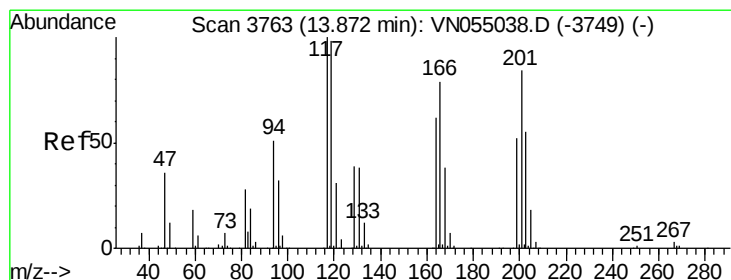
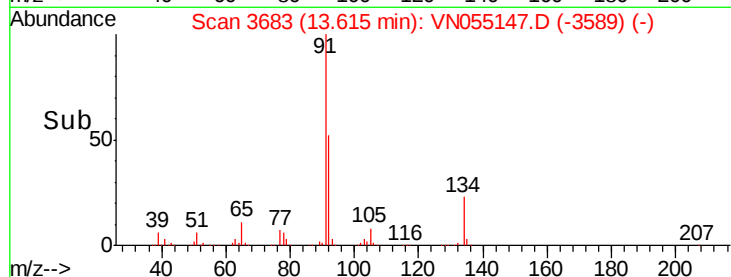
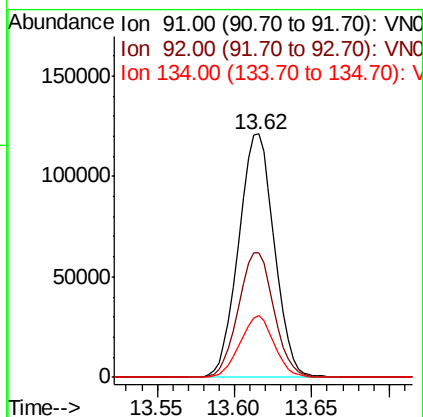
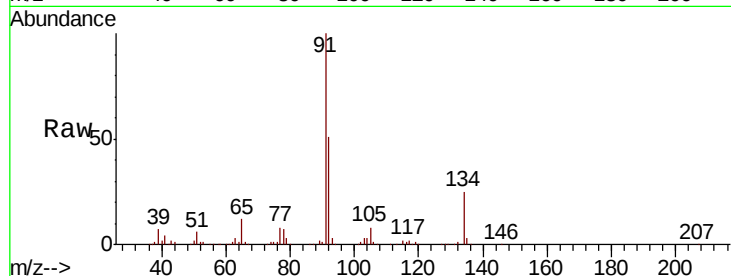




#89
n-Butylbenzene
Concen: 19.210 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN055147.D
Acq: 19 Apr 2019 19:04

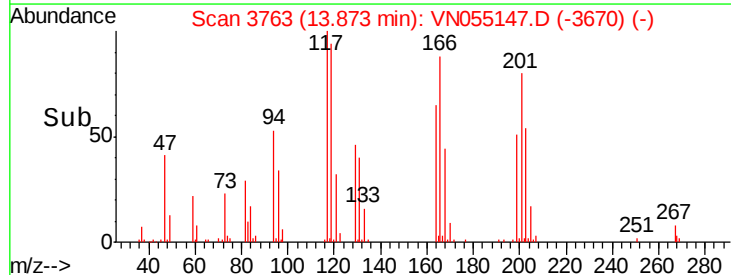
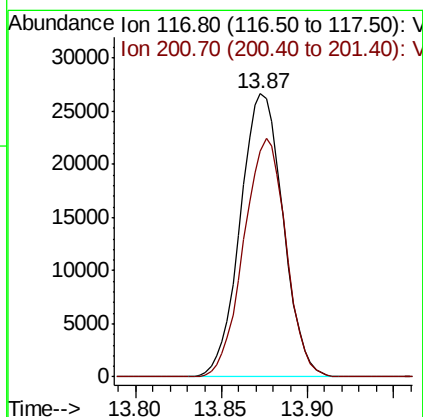
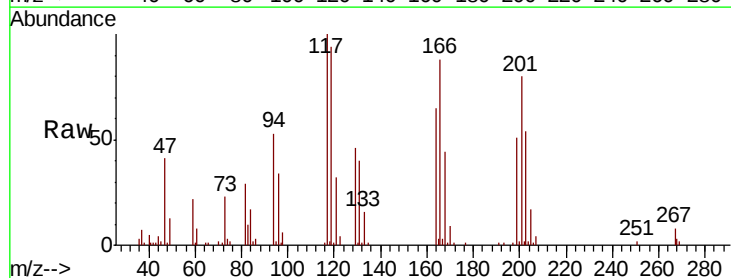
Instrument :
MSVOA_N
ClientSampleId :
VN0419WBS02

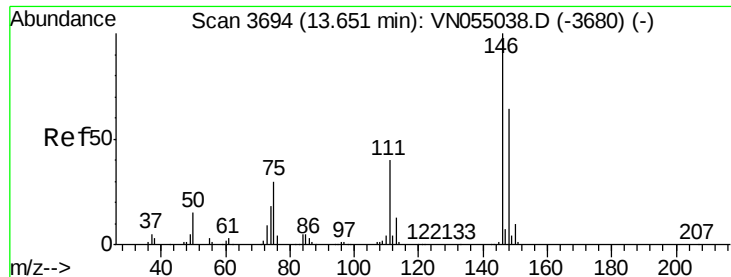
Tot Ion: 91 Resp: 194178
Ion Ratio Lower Upper
91 100
92 51.1 25.9 77.7
134 24.2 12.8 38.3



#90
Hexachloroethane
Concen: 20.803 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055147.D
Acq: 19 Apr 2019 19:04

Tgt Ion: 117 Resp: 46091
Ion Ratio Lower Upper
117 100
201 82.9 43.4 130.2





#91

1,2-Dichlorobenzene

Concen: 20.635 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN055147.D

Acq: 19 Apr 2019 19:04

Instrument :

MSVOA_N

ClientSampleId :

VN0419WBS02

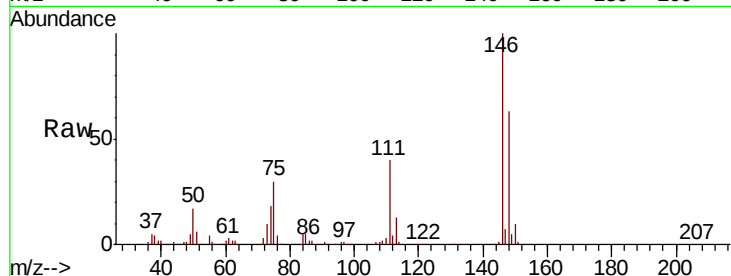
Tot Ion:146 Resp: 143784

Ion Ratio Lower Upper

146 100

111 39.4 20.3 60.9

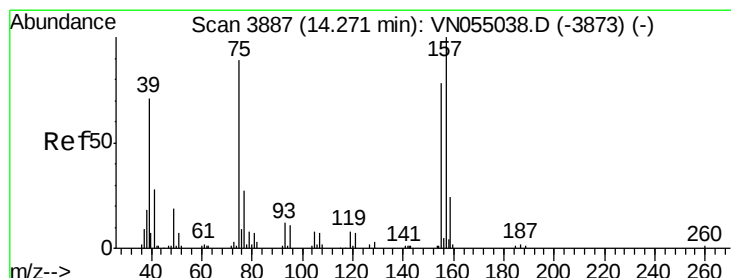
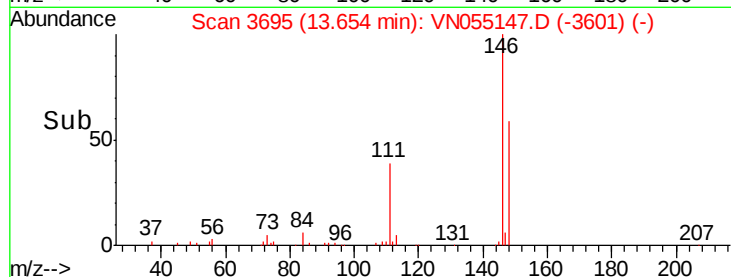
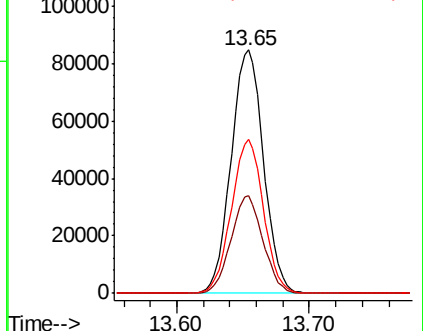
148 62.4 32.2 96.6



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: 23.693 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN055147.D

Acq: 19 Apr 2019 19:04

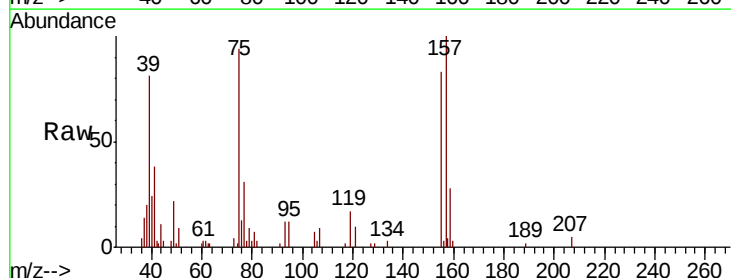
Tgt Ion: 75 Resp: 14268

Ion Ratio Lower Upper

75 100

155 87.2 42.0 126.0

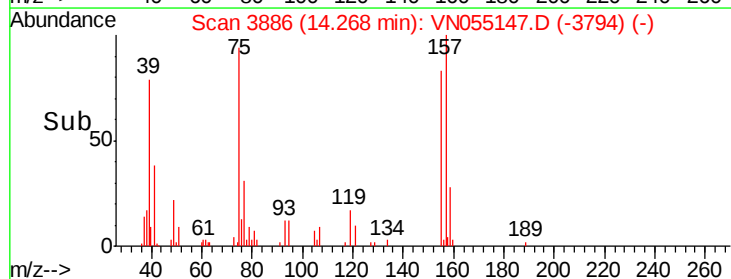
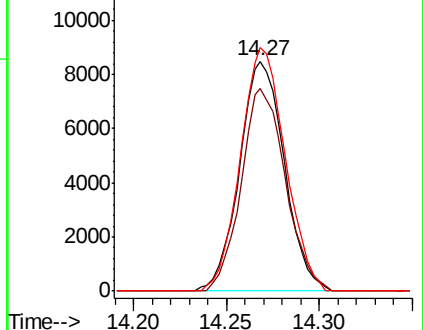
157 106.1 52.1 156.4

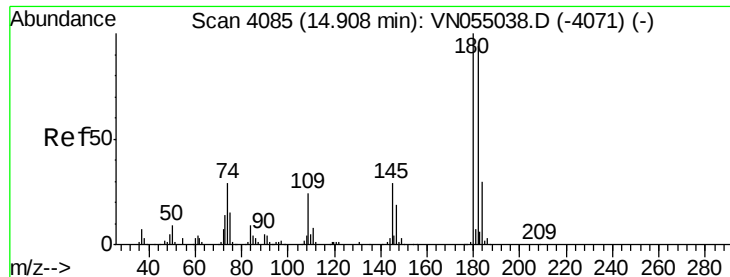


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

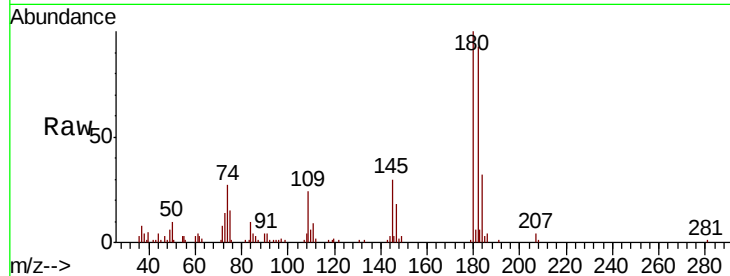




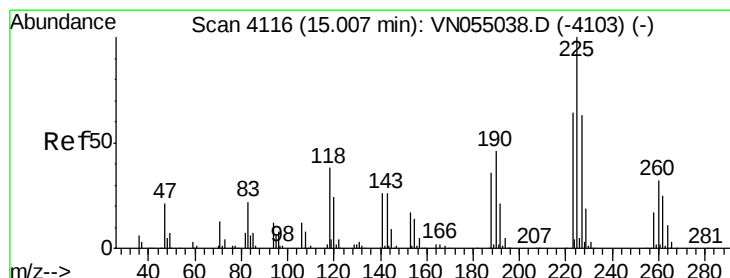
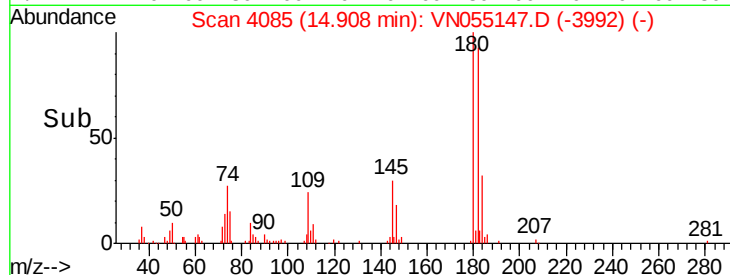
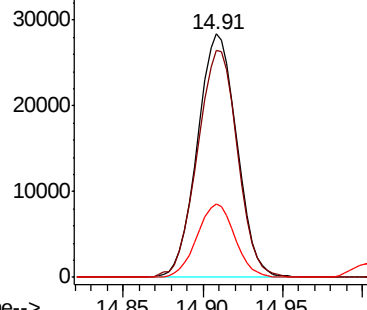
#93
 1,2,4-Trichlorobenzene
 Concen: 16.916 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055147.D
 Acq: 19 Apr 2019 19:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0419WBS02

Tot Ion:180 Resp: 47518
 Ion Ratio Lower Upper
 180 100
 182 95.0 47.5 142.6
 145 28.9 14.2 42.8

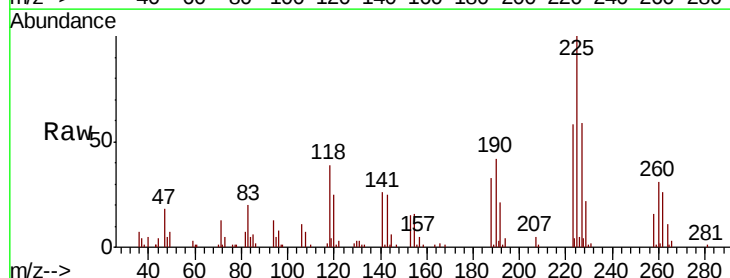


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

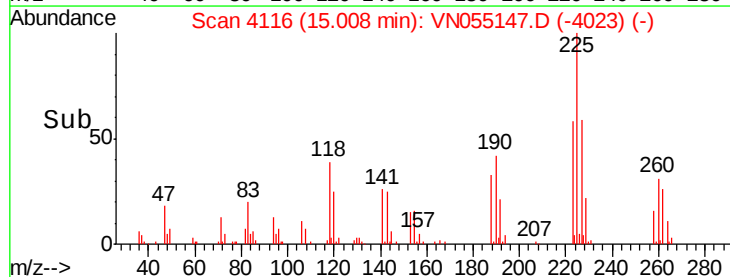
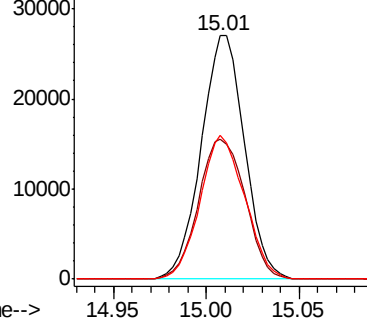


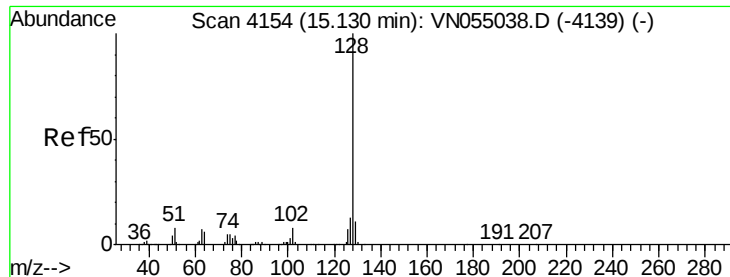
#94
 Hexachlorobutadiene
 Concen: 20.406 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055147.D
 Acq: 19 Apr 2019 19:04

Tgt Ion:225 Resp: 43917
 Ion Ratio Lower Upper
 225 100
 223 61.7 31.4 94.0
 227 60.5 32.6 97.7



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: 17.352 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055147.D

Acq: 19 Apr 2019 19:04

Instrument :

MSVOA_N

ClientSampleId :

VN0419WBS02

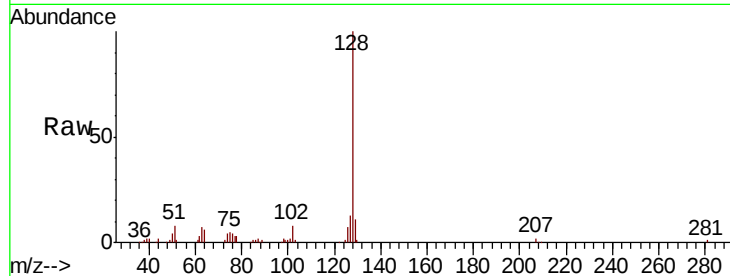
Tot Ion:128 Resp: 112381

Ion Ratio Lower Upper

128 100

127 12.8 10.1 15.1

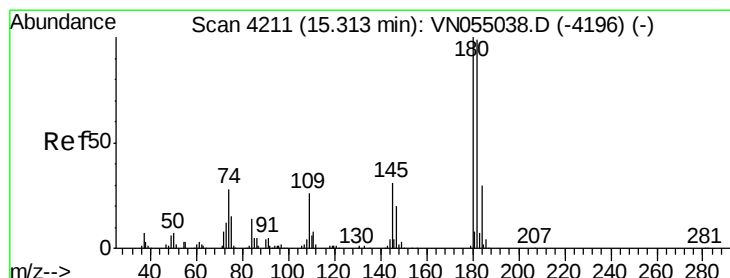
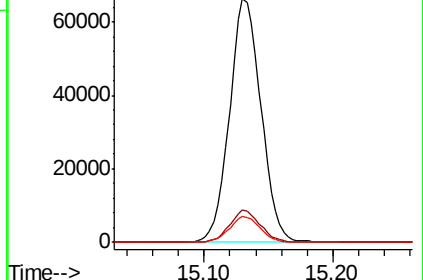
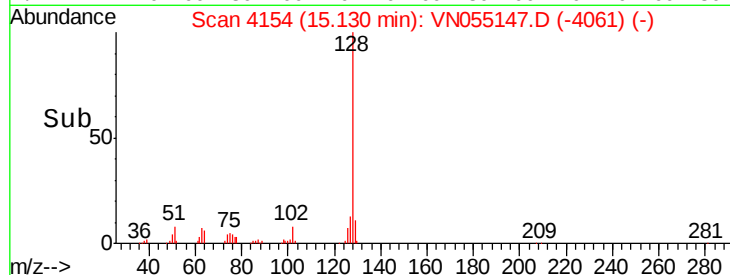
129 10.4 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.404 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055147.D

Acq: 19 Apr 2019 19:04

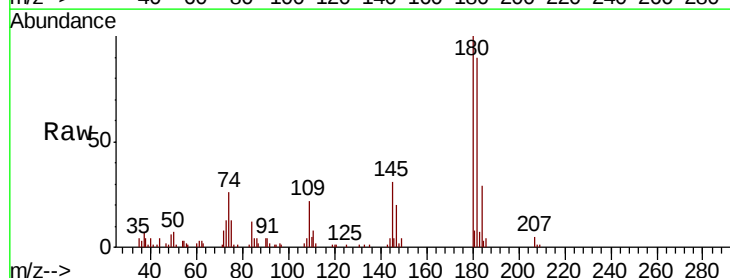
Tgt Ion:180 Resp: 52161

Ion Ratio Lower Upper

180 100

182 94.3 48.0 144.0

145 31.2 15.3 45.9



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

