

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062019\
 Data File : VN056394.D
 Acq On : 20 Jun 2019 11:55
 Operator : JC/SP
 Sample : VN0620WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 21 04:24:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061919W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 03:45:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	367482	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	571252	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	498886	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	181106	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	212134	52.09	ug/l	0.00
Spiked Amount			Recovery	=	104.18%	
35) Dibromofluoromethane	7.59	113	183879	51.60	ug/l	0.00
Spiked Amount			Recovery	=	103.20%	
50) Toluene-d8	10.09	98	697269	50.28	ug/l	0.00
Spiked Amount			Recovery	=	100.56%	
62) 4-Bromofluorobenzene	12.40	95	220941	47.80	ug/l	0.00
Spiked Amount			Recovery	=	95.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	65901	21.179	ug/l	98
3) Chloromethane	2.06	50	84210	19.876	ug/l	99
4) Vinyl Chloride	2.18	62	83719	20.458	ug/l	97
5) Bromomethane	2.52	94	49087	20.461	ug/l	100
6) Chloroethane	2.68	64	47605	20.088	ug/l	96
7) Trichlorofluoromethane	3.00	101	108012	20.405	ug/l	99
8) Diethyl Ether	3.41	74	46422	20.722	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.75	101	67536	20.007	ug/l	99
10) Methyl Iodide	3.95	142	85409	18.720	ug/l	99
11) Tert butyl alcohol	4.80	59	73517	107.172	ug/l	96
12) 1,1-Dichloroethene	3.73	96	66749	20.562	ug/l	95
13) Acrolein	3.61	56	52196	90.282	ug/l	99
14) Allyl chloride	4.32	41	109466	20.257	ug/l	98
15) Acrylonitrile	4.99	53	190591	100.431	ug/l	99
16) Acetone	3.82	43	172580	84.575	ug/l	98
17) Carbon Disulfide	4.05	76	139744	18.926	ug/l	98
18) Methyl Acetate	4.33	43	84652	20.672	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	220727	20.548	ug/l	99
20) Methylene Chloride	4.55	84	78544	19.882	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	69447	19.842	ug/l	93
22) Diisopropyl ether	5.95	45	233258	20.553	ug/l	100
23) Vinyl Acetate	5.90	43	947690	105.873	ug/l	100
24) 1,1-Dichloroethane	5.85	63	133574	20.504	ug/l	100
25) 2-Butanone	6.84	43	260611	96.498	ug/l	99
26) 2,2-Dichloropropane	6.82	77	87398	19.289	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	84333	20.595	ug/l	99
28) Bromochloromethane	7.19	49	67594	20.977	ug/l	99
29) Tetrahydrofuran	7.21	42	172295	104.396	ug/l	99
30) Chloroform	7.37	83	130794	20.346	ug/l	97
31) Cyclohexane	7.65	56	125489	19.953	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	104187	20.447	ug/l	98
36) 1,1-Dichloropropene	7.79	75	97791	19.449	ug/l	99
37) Ethyl Acetate	6.93	43	99824	20.202	ug/l	97
38) Carbon Tetrachloride	7.77	117	86183	19.601	ug/l	99

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	121316	19.554	ug/l	98
40) Benzene	8.04	78	310454	20.073	ug/l	97
41) Methacrylonitrile	7.18	41	44167	20.242	ug/l	94
42) 1,2-Dichloroethane	8.13	62	102326	20.047	ug/l	99
43) Isopropyl Acetate	8.17	43	152218	19.978	ug/l	97
44) Trichloroethene	8.84	130	82657	19.840	ug/l	97
45) 1,2-Dichloropropane	9.12	63	84000	20.308	ug/l	99
46) Dibromomethane	9.21	93	52668	20.352	ug/l	98
47) Bromodichloromethane	9.40	83	91316	19.896	ug/l	100
48) Methyl methacrylate	9.20	41	76757	20.103	ug/l	99
49) 1,4-Dioxane	9.21	88	28544	360.242	ug/l	90
51) 4-Methyl-2-Pentanone	9.99	43	494371	100.527	ug/l	100
52) Toluene	10.16	92	190074	20.101	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	92194	19.141	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	112687	20.389	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	76190	20.046	ug/l	99
56) Ethyl methacrylate	10.43	69	113569	20.446	ug/l	100
57) 1,3-Dichloropropane	10.71	76	129400	20.266	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	181863	91.137	ug/l	100
59) 2-Hexanone	10.75	43	341753	94.553	ug/l	99
60) Dibromochloromethane	10.90	129	69733	19.381	ug/l	100
61) 1,2-Dibromoethane	11.00	107	78296	20.169	ug/l	100
64) Tetrachloroethene	10.63	164	79052	20.009	ug/l	96
65) Chlorobenzene	11.43	112	200046	19.956	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	70415	20.784	ug/l	99
67) Ethyl Benzene	11.51	91	354702	20.152	ug/l	99
68) m/p-Xylenes	11.62	106	258017	39.999	ug/l	99
69) o-Xylene	11.95	106	131412	20.592	ug/l	96
70) Styrene	11.96	104	204197	20.018	ug/l	99
71) Bromoform	12.13	173	45485	18.738	ug/l #	100
73) Isopropylbenzene	12.25	105	344169	23.898	ug/l	99
74) N-amyl acetate	12.07	43	120317	20.874	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	103791	22.985	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	117157	31.198	ug/l #	100
77) Bromobenzene	12.53	156	84747	20.928	ug/l	98
78) n-propylbenzene	12.59	91	354636	21.383	ug/l	100
79) 2-Chlorotoluene	12.67	91	220371	22.859	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	277298	23.114	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	21353	20.209	ug/l	97
82) 4-Chlorotoluene	12.77	91	197588	20.178	ug/l	98
83) tert-Butylbenzene	12.99	119	247141	23.417	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	261042	21.411	ug/l	100
85) sec-Butylbenzene	13.17	105	310669	21.312	ug/l	100
86) p-Isopropyltoluene	13.29	119	268537	21.465	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	124910	20.354	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	117221	19.723	ug/l	99
89) n-Butylbenzene	13.61	91	186713	19.715	ug/l	98
90) Hexachloroethane	13.87	117	39258	20.128	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	125268	20.574	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	14424	21.525	ug/l	96

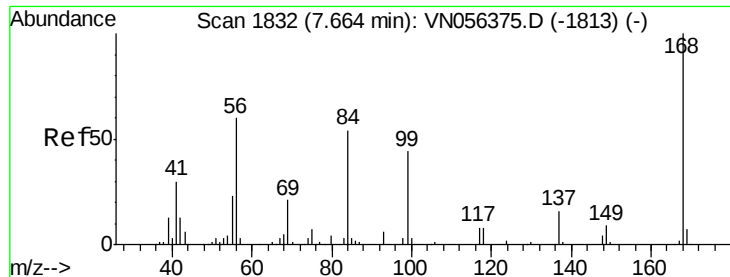
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	45668	18.400	ug/l	100
94) Hexachlorobutadiene	15.01	225	45126	20.772	ug/l	98
95) Naphthalene	15.13	128	133368	19.651	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	54905	19.695	ug/l	99

(#) = 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: VN056394.D

Acq: 20 Jun 2019 11:55

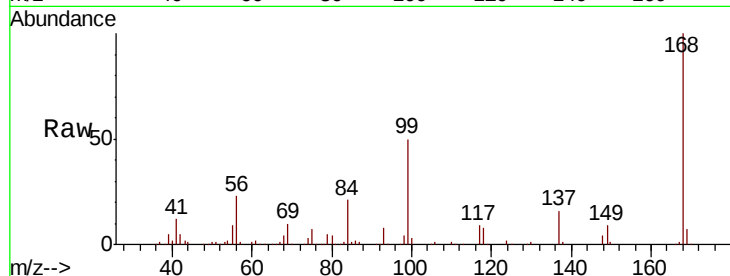
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 367482

Ion Ratio Lower Upper

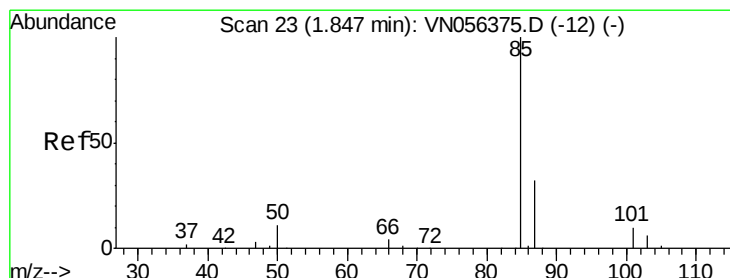
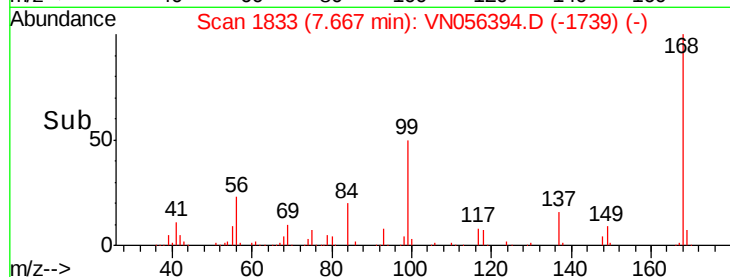
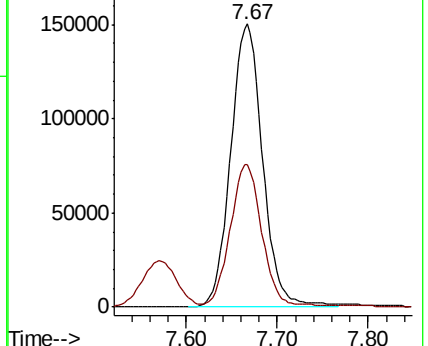
168 100

99 49.7 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 21.179 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056394.D

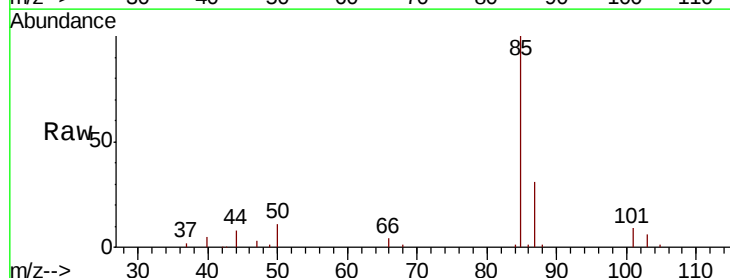
Acq: 20 Jun 2019 11:55

Tgt Ion: 85 Resp: 65901

Ion Ratio Lower Upper

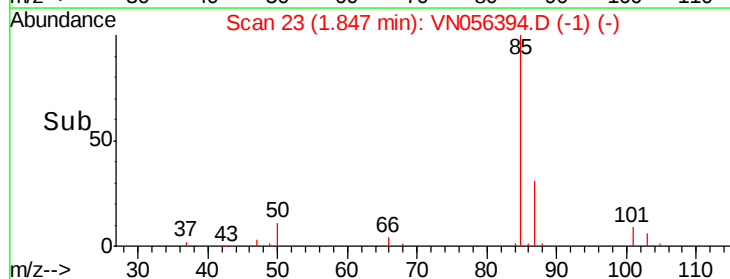
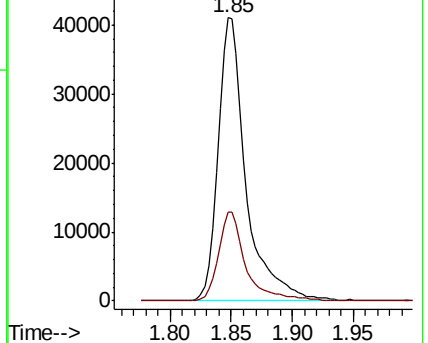
85 100

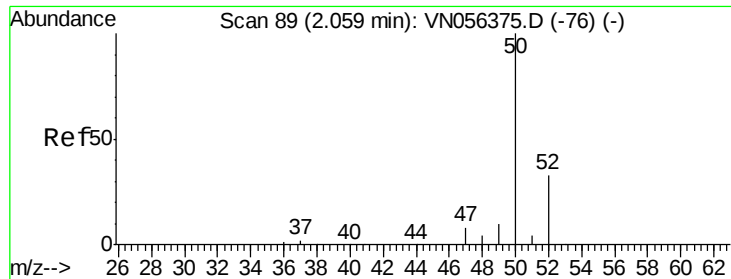
87 31.3 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0





#3

Chloromethane

Concen: 19.876 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN056394.D

Acq: 20 Jun 2019 11:55

Instrument :

MSVOA_N

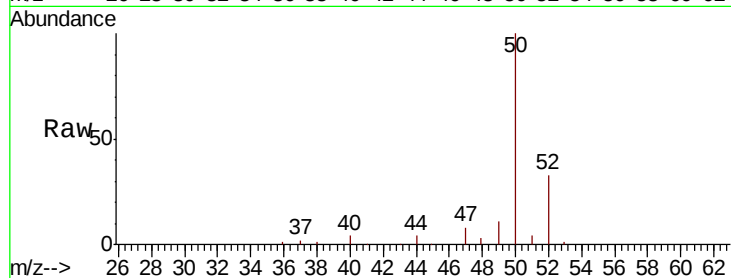
ClientSampleId :

Tot Ion: 50 Resp: 84210

Ion Ratio Lower Upper

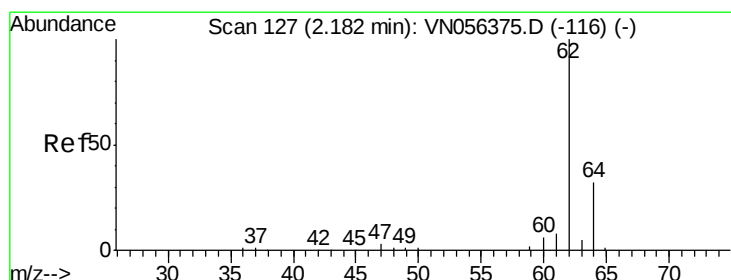
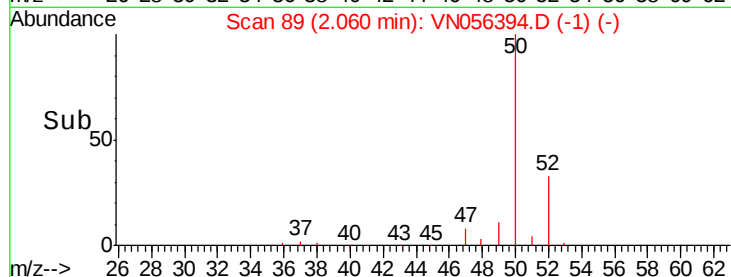
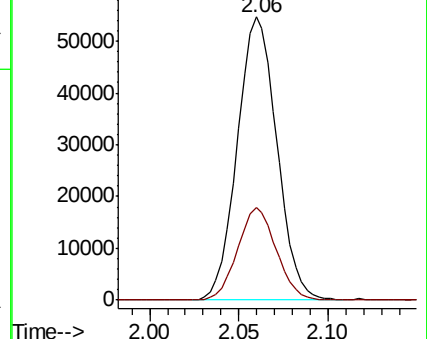
50 100

52 32.7 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 20.458 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN056394.D

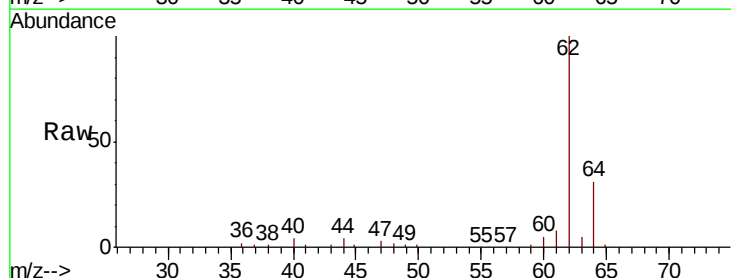
Acq: 20 Jun 2019 11:55

Tgt Ion: 62 Resp: 83719

Ion Ratio Lower Upper

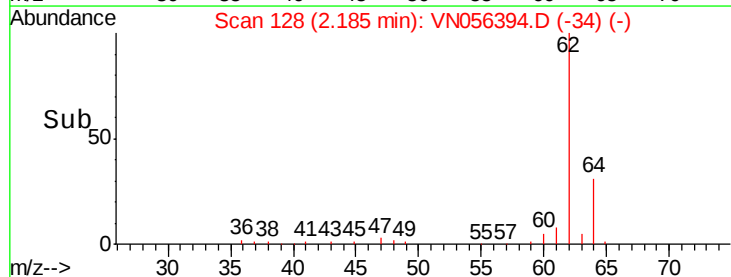
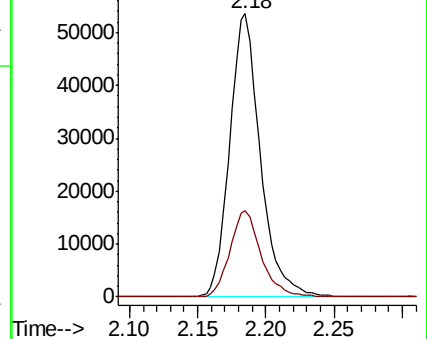
62 100

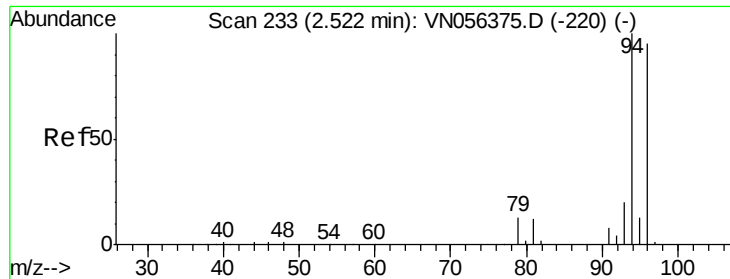
64 30.7 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

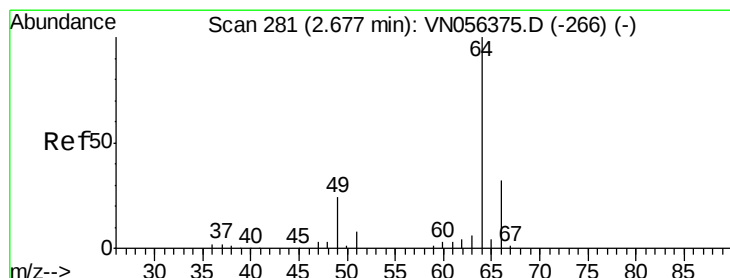
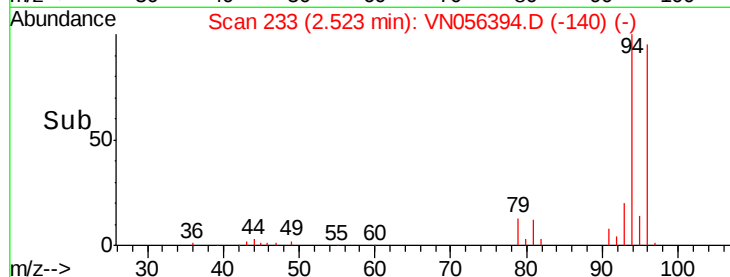
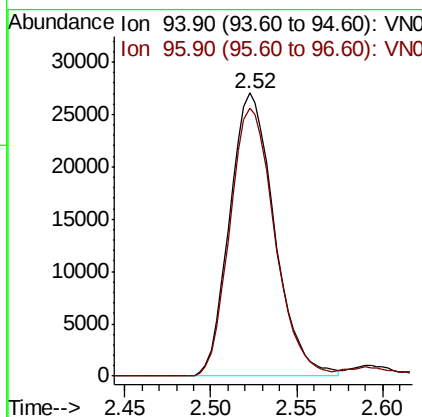
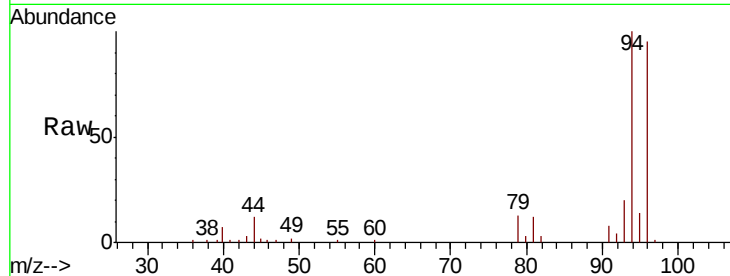




#5
Bromomethane
Concen: 20.461 ug/l
RT: 2.52 min Scan# 233
Delta R.T. 0.00 min
Lab File: VN056394.D
Acq: 20 Jun 2019 11:55

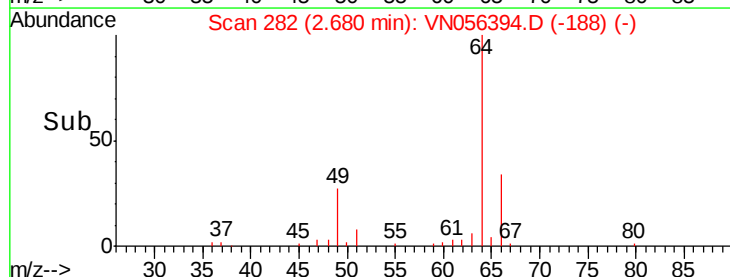
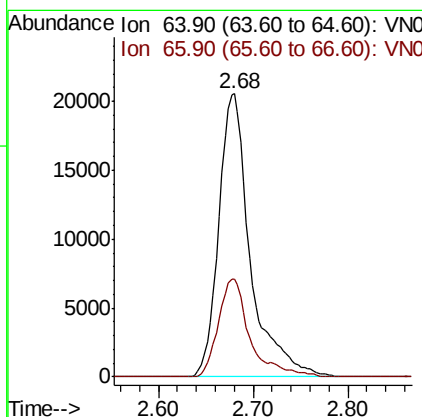
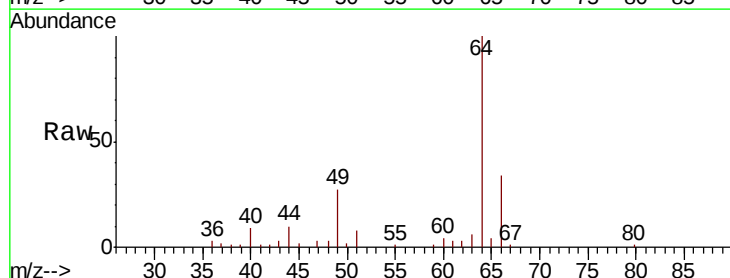
Instrument :
MSVOA_N
ClientSampleId :

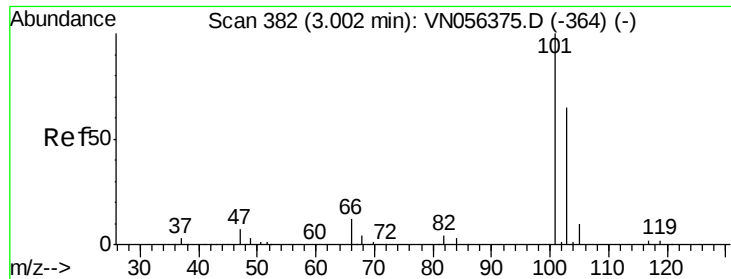
Tot Ion: 94 Resp: 49087
Ion Ratio Lower Upper
94 100
96 94.6 76.0 114.0



#6
Chloroethane
Concen: 20.088 ug/l
RT: 2.68 min Scan# 282
Delta R.T. 0.00 min
Lab File: VN056394.D
Acq: 20 Jun 2019 11:55

Tgt Ion: 64 Resp: 47605
Ion Ratio Lower Upper
64 100
66 34.4 25.8 38.8



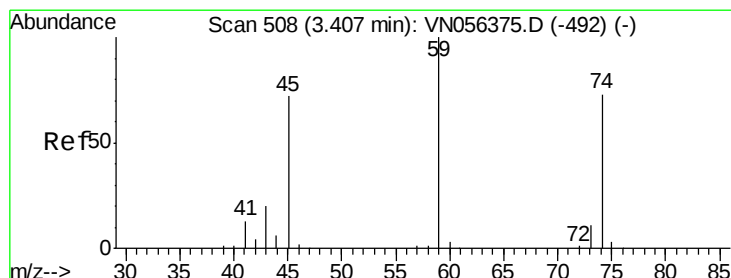
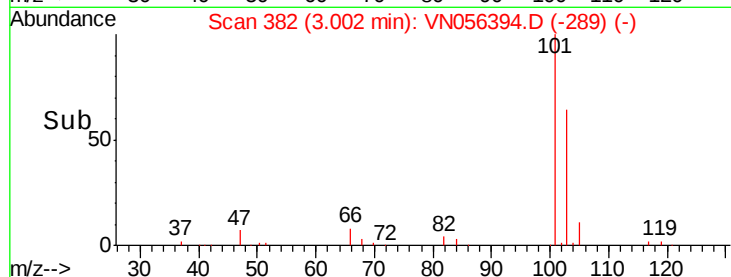
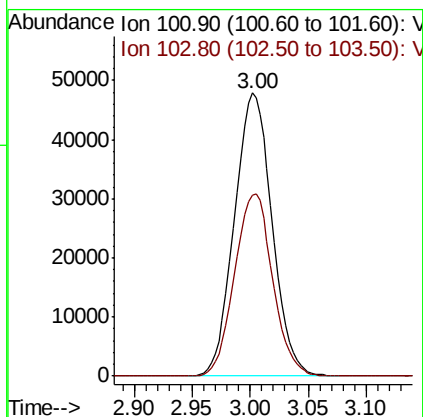
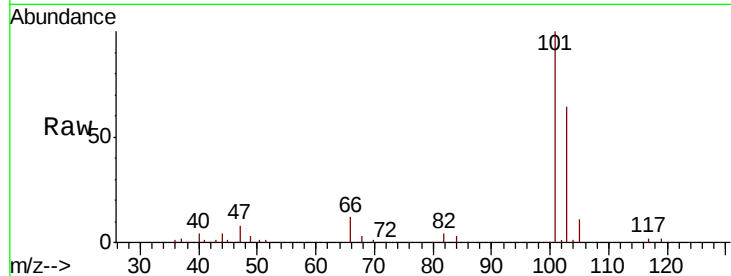


#7

Trichlorofluoromethane
Concen: 20.405 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN056394.D
Acq: 20 Jun 2019 11:55

Instrument :
MSVOA_N
ClientSampled :

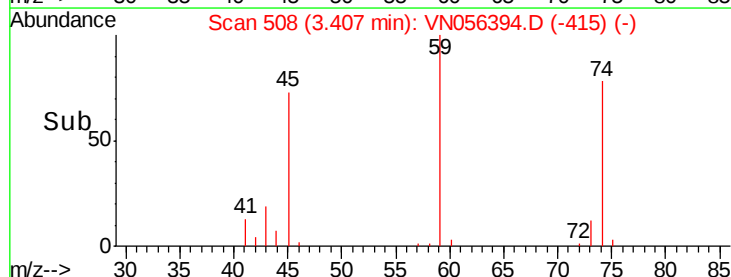
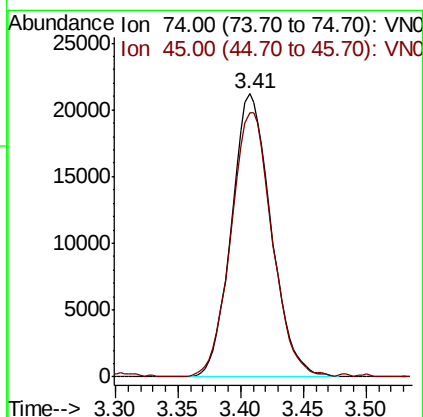
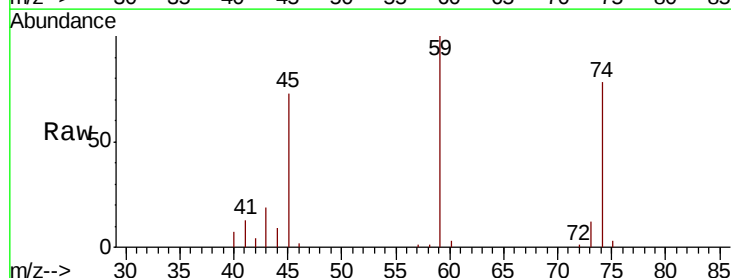
Tot Ion:101 Resp: 108012
Ion Ratio Lower Upper
101 100
103 64.2 51.7 77.5

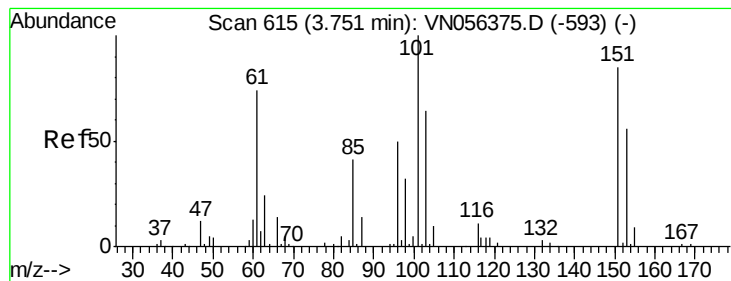


#8

Diethyl Ether
Concen: 20.722 ug/l
RT: 3.41 min Scan# 508
Delta R.T. 0.00 min
Lab File: VN056394.D
Acq: 20 Jun 2019 11:55

Tgt Ion: 74 Resp: 46422
Ion Ratio Lower Upper
74 100
45 97.3 48.9 146.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.007 ug/l

RT: 3.75 min Scan# 615

Delta R.T. 0.00 min

Lab File: VN056394.D

Acq: 20 Jun 2019 11:55

Instrument :

MSVOA_N

ClientSampleId :

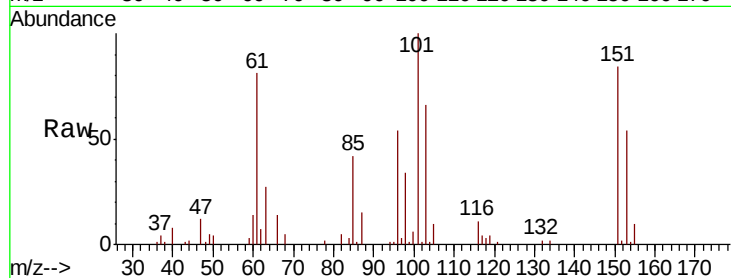
Tot Ion:101 Resp: 67536

Ion Ratio Lower Upper

101 100

85 41.8 32.7 49.1

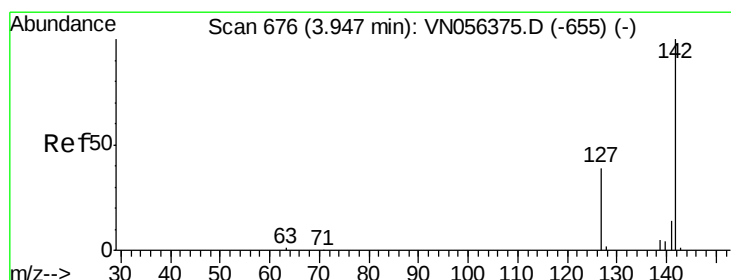
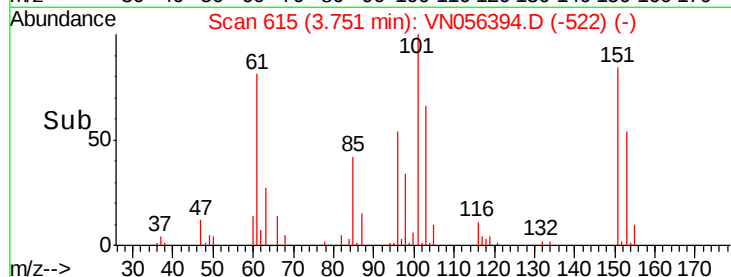
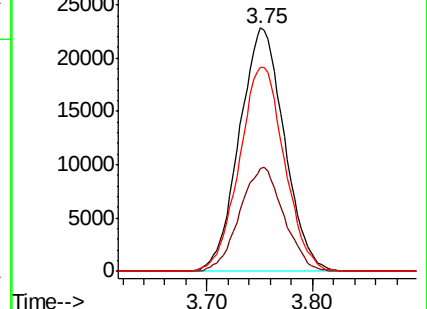
151 84.1 66.8 100.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.720 ug/l

RT: 3.95 min Scan# 677

Delta R.T. 0.00 min

Lab File: VN056394.D

Acq: 20 Jun 2019 11:55

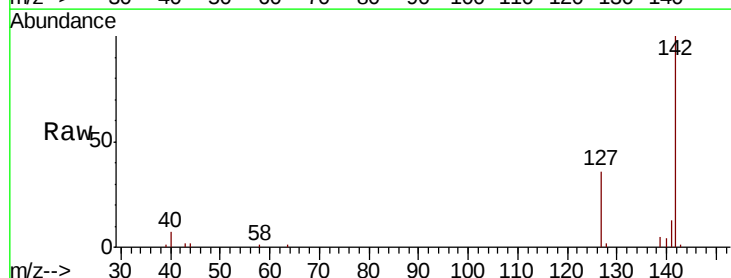
Tgt Ion:142 Resp: 85409

Ion Ratio Lower Upper

142 100

127 38.0 30.6 46.0

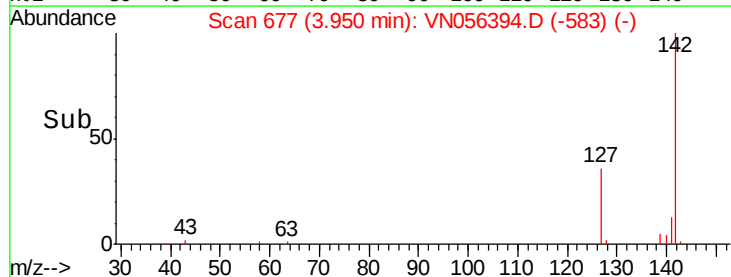
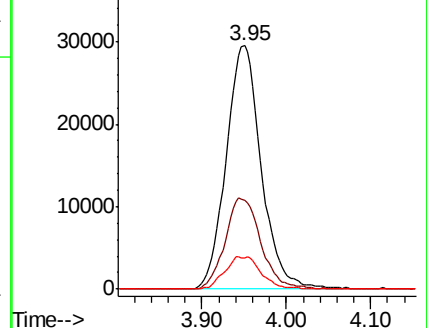
141 13.8 11.4 17.2

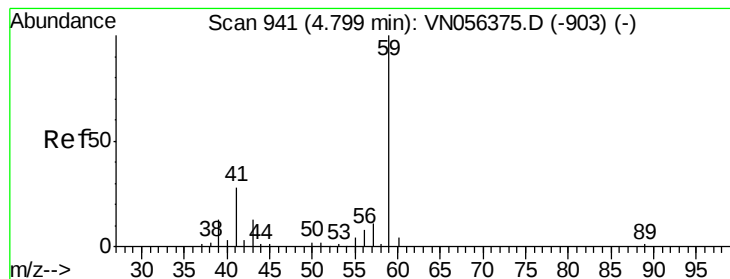


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



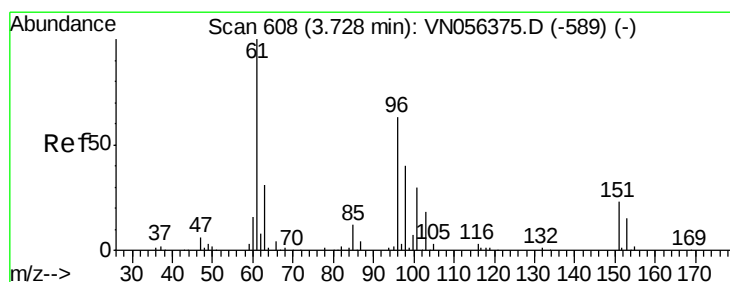
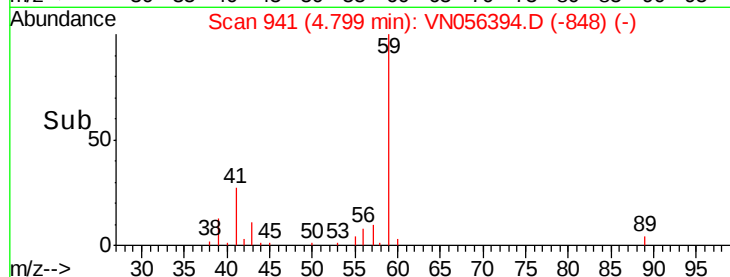
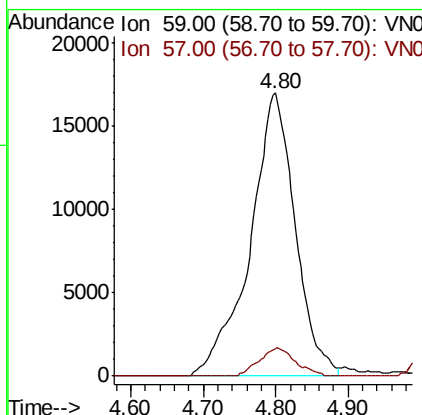
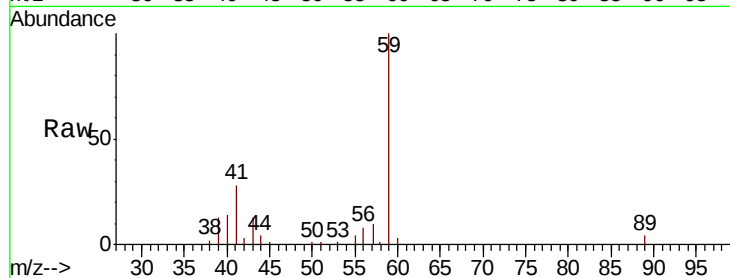


#11

Tert butyl alcohol
 Concen: 107.172 ug/l
 RT: 4.80 min Scan# 941
 Delta R.T. 0.00 min
 Lab File: VN056394.D
 Acq: 20 Jun 2019 11:55

Instrument :
 MSVOA_N
 ClientSampleId :

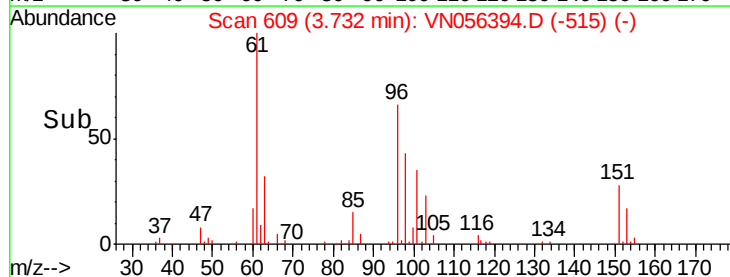
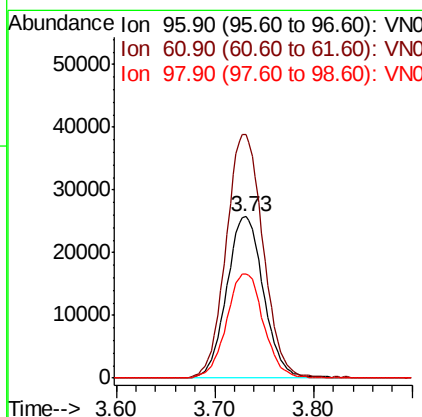
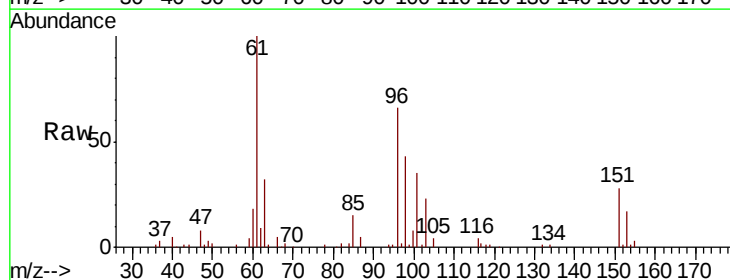
Tot Ion: 59 Resp: 73517
 Ion Ratio Lower Upper
 59 100
 57 8.1 7.6 11.4

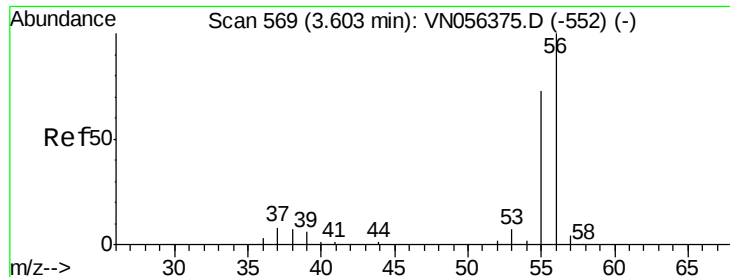


#12

1,1-Dichloroethene
 Concen: 20.562 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. 0.00 min
 Lab File: VN056394.D
 Acq: 20 Jun 2019 11:55

Tgt Ion: 96 Resp: 66749
 Ion Ratio Lower Upper
 96 100
 61 150.4 126.6 190.0
 98 64.9 51.1 76.7





#13

Acrolein

Concen: 90.282 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN056394.D

Acq: 20 Jun 2019 11:55

Instrument :

MSVOA_N

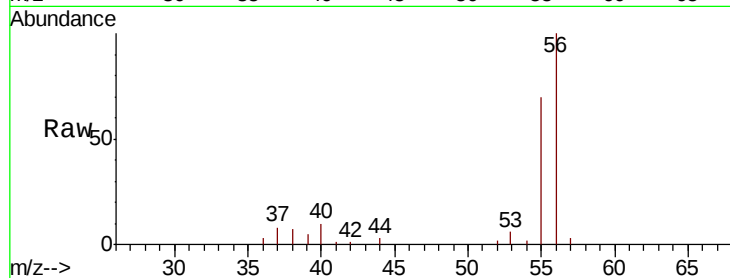
ClientSampleId :

Tot Ion: 56 Resp: 52196

Ion Ratio Lower Upper

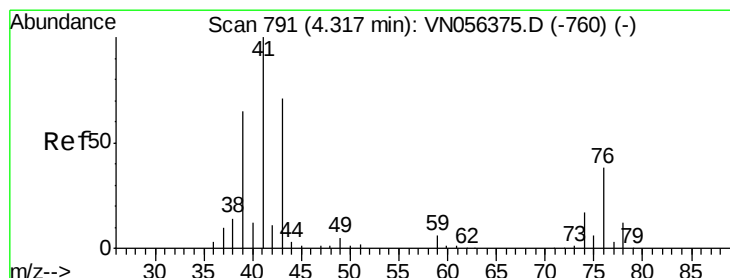
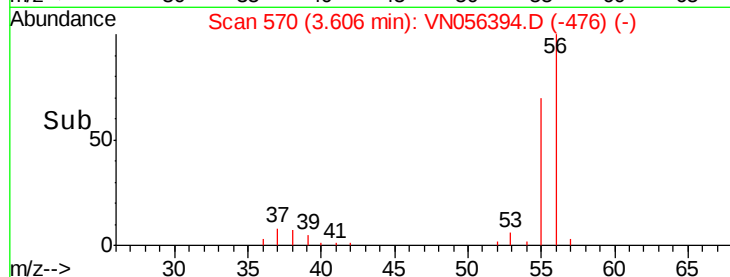
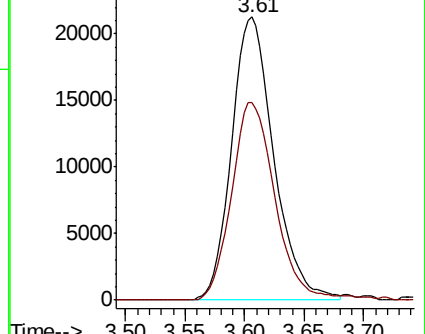
56 100

55 72.3 57.1 85.7



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 20.257 ug/l

RT: 4.32 min Scan# 792

Delta R.T. 0.00 min

Lab File: VN056394.D

Acq: 20 Jun 2019 11:55

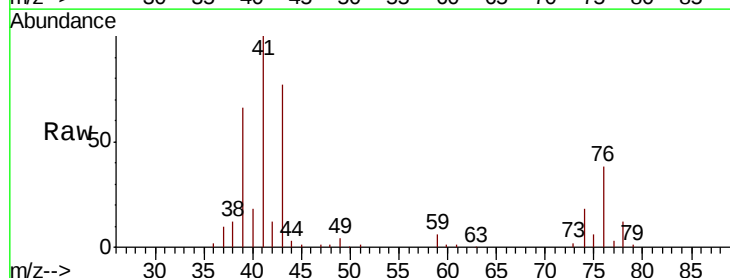
Tgt Ion: 41 Resp: 109466

Ion Ratio Lower Upper

41 100

39 62.6 48.6 73.0

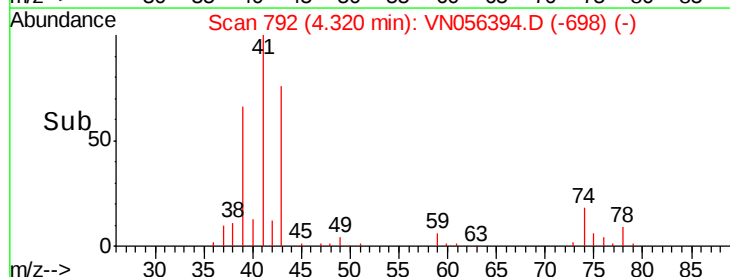
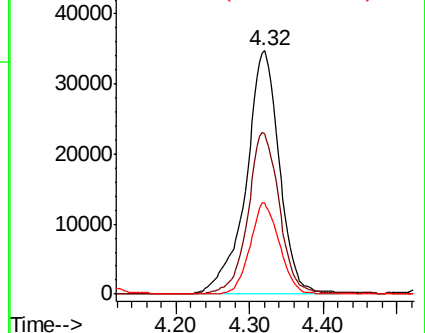
76 32.9 26.6 40.0

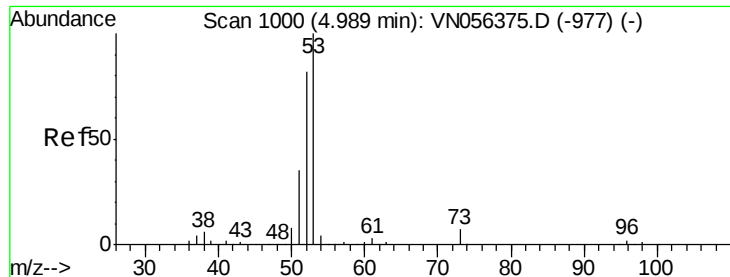


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 100.431 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN056394.D

Acq: 20 Jun 2019 11:55

Instrument :

MSVOA_N

ClientSampled :

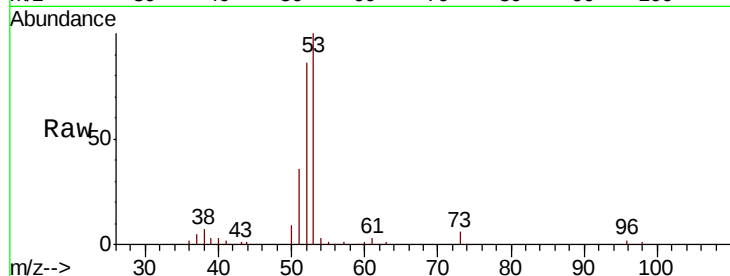
Tot Ion: 53 Resp: 190591

Ion Ratio Lower Upper

53 100

52 83.4 65.9 98.9

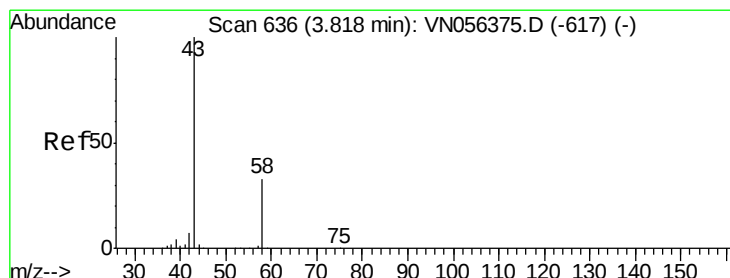
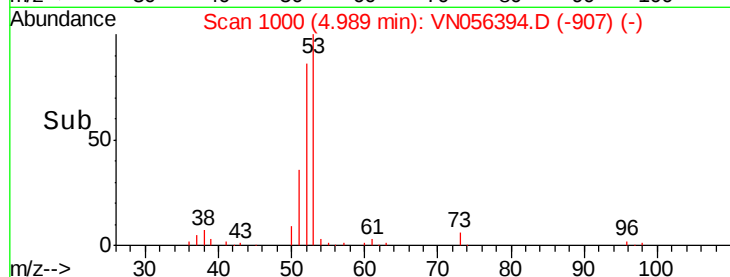
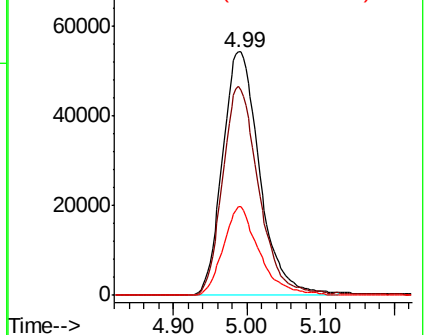
51 34.8 28.3 42.5



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: 84.575 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN056394.D

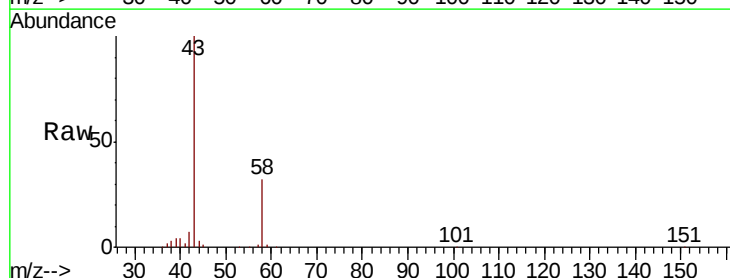
Acq: 20 Jun 2019 11:55

Tgt Ion: 43 Resp: 172580

Ion Ratio Lower Upper

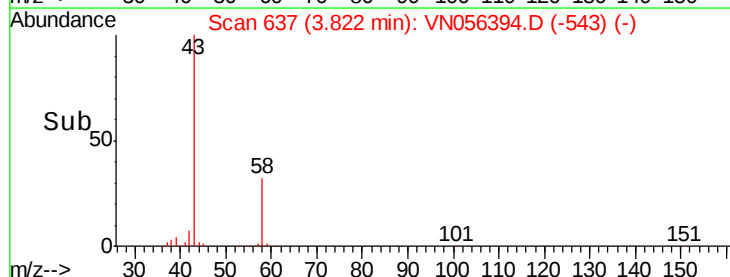
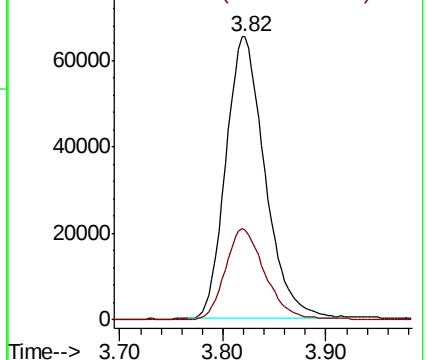
43 100

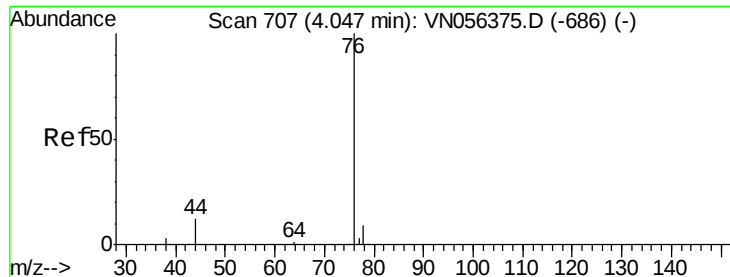
58 31.8 26.4 39.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

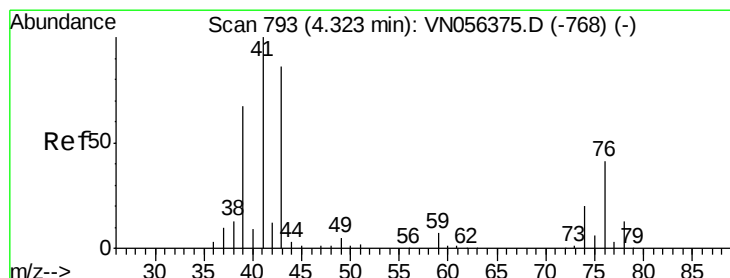
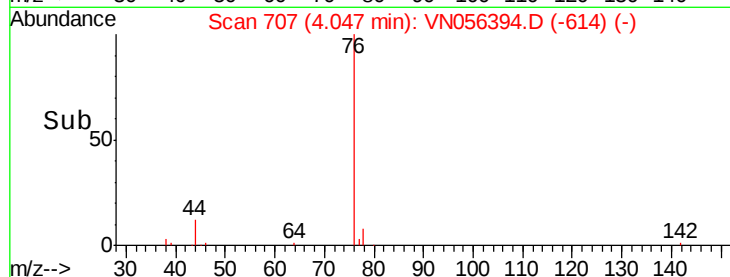
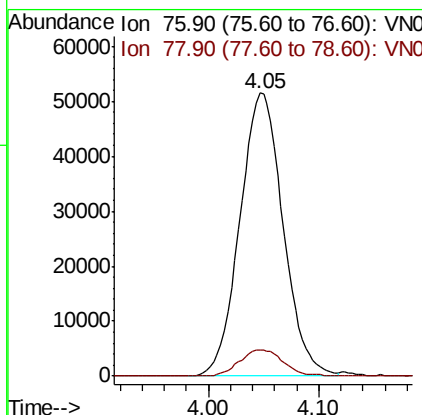
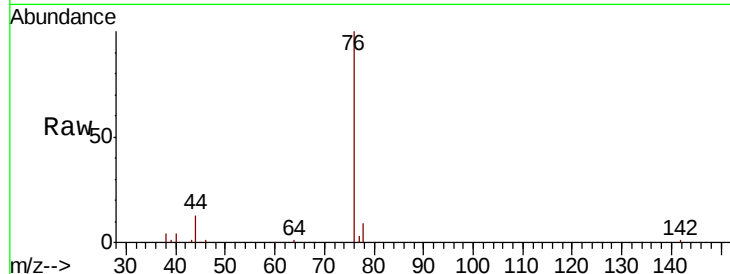




#17
Carbon Disulfide
Concen: 18.926 ug/l
RT: 4.05 min Scan# 707
Delta R.T. 0.00 min
Lab File: VN056394.D
Acq: 20 Jun 2019 11:55

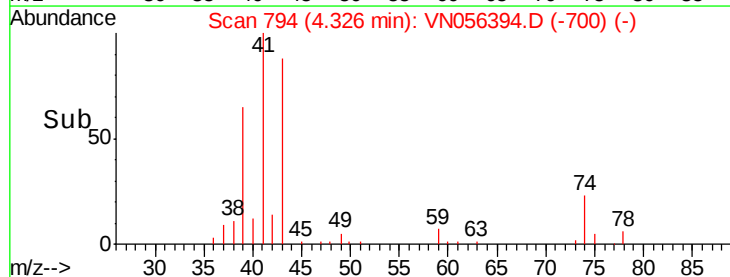
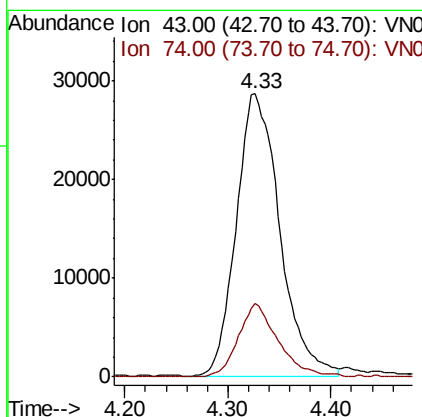
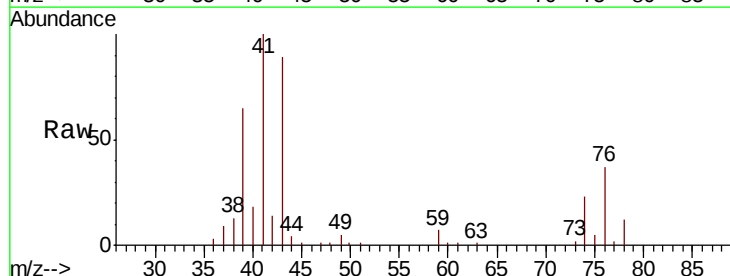
Instrument :
MSVOA_N
ClientSampled :

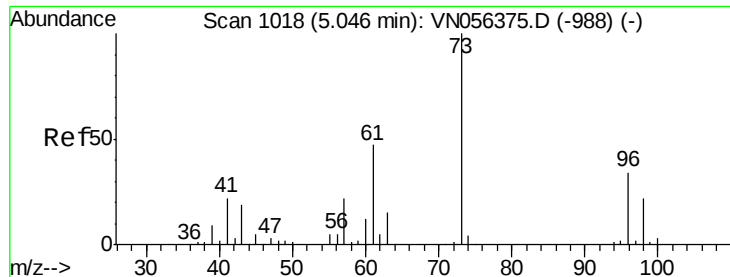
Tot Ion: 76 Resp: 139744
Ion Ratio Lower Upper
76 100
78 9.4 7.1 10.7



#18
Methyl Acetate
Concen: 20.672 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN056394.D
Acq: 20 Jun 2019 11:55

Tgt Ion: 43 Resp: 84652
Ion Ratio Lower Upper
43 100
74 23.6 19.2 28.8

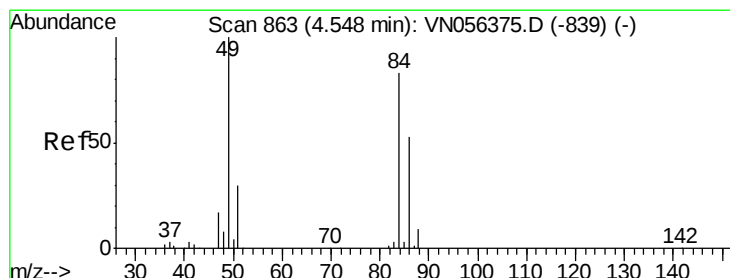
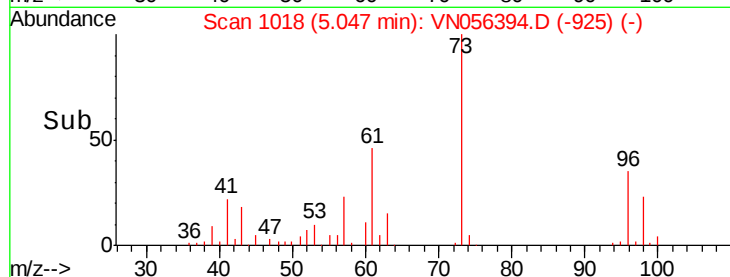
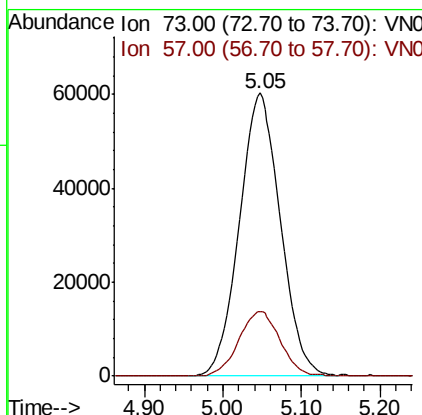
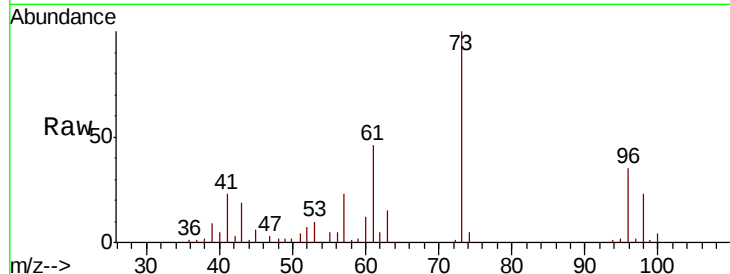




#19
Methvl tert-butvl Ether
Concen: 20.548 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN056394.D
Acq: 20 Jun 2019 11:55

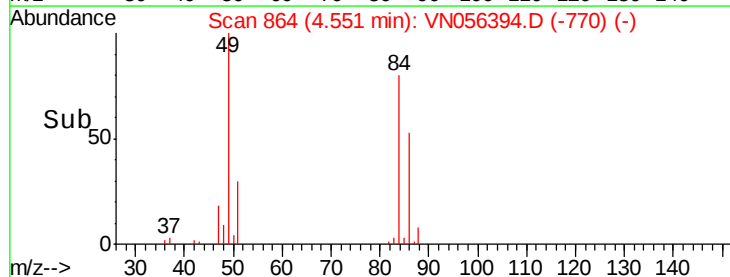
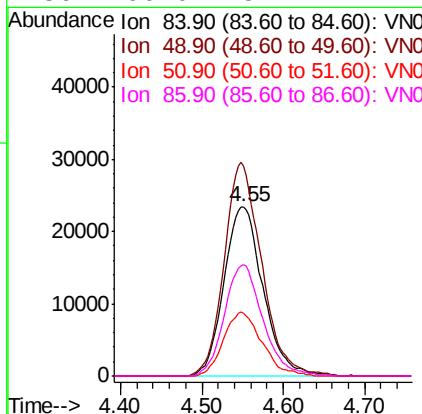
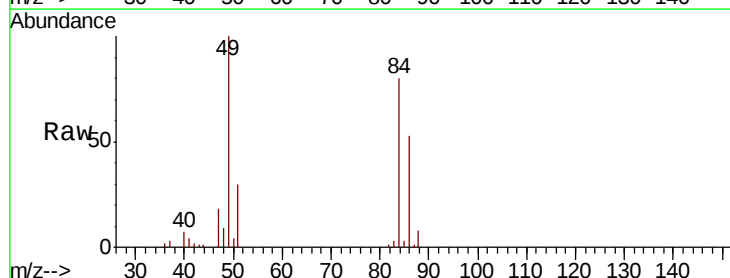
Instrument :
MSVOA_N
ClientSampleId :

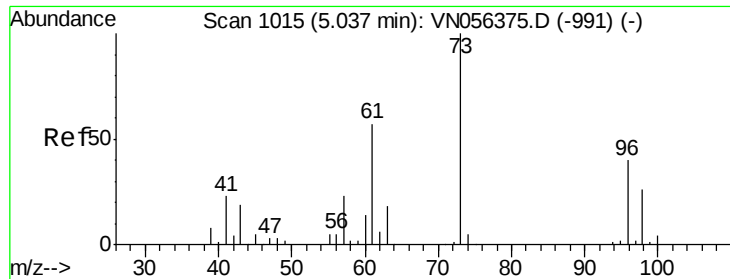
Tot Ion: 73 Resp: 220727
Ion Ratio Lower Upper
73 100
57 23.0 17.9 26.9



#20
Methylene Chloride
Concen: 19.882 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN056394.D
Acq: 20 Jun 2019 11:55

Tgt Ion: 84 Resp: 78544
Ion Ratio Lower Upper
84 100
49 124.4 96.4 144.6
51 37.2 28.6 43.0
86 66.0 51.4 77.2



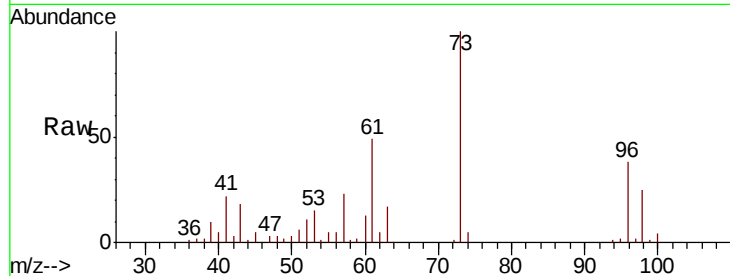


#21

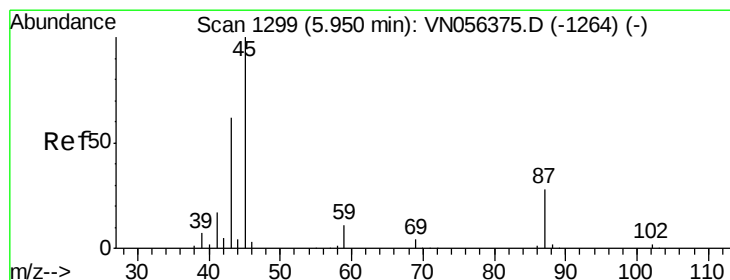
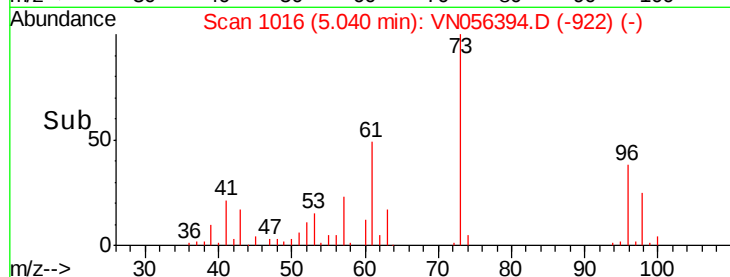
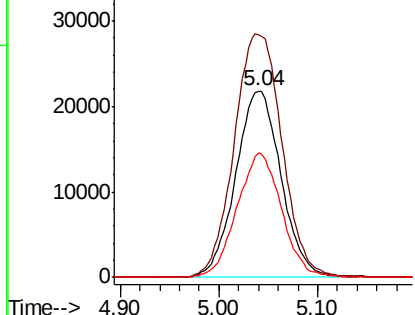
trans-1,2-Dichloroethene
Concen: 19.842 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VN056394.D
Acq: 20 Jun 2019 11:55

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 69447
Ion Ratio Lower Upper
96 100
61 130.2 113.0 169.6
98 66.7 52.2 78.2



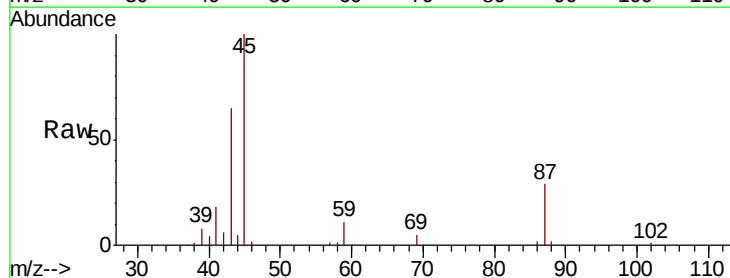
Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



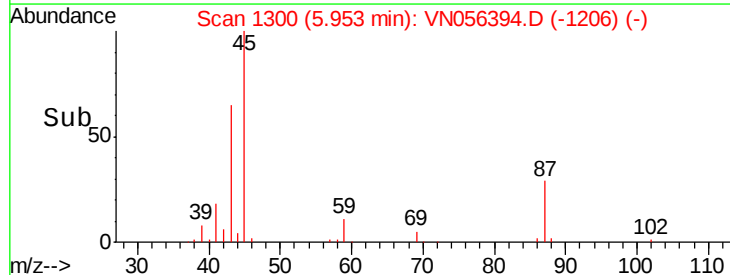
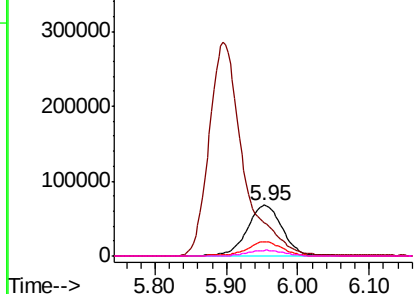
#22

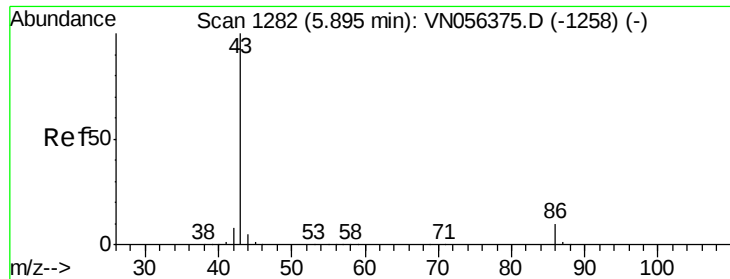
Diisopropyl ether
Concen: 20.553 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN056394.D
Acq: 20 Jun 2019 11:55

Tgt Ion: 45 Resp: 233258
Ion Ratio Lower Upper
45 100
43 63.0 50.4 75.6
87 28.2 23.0 34.4
59 11.3 9.1 13.7



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0

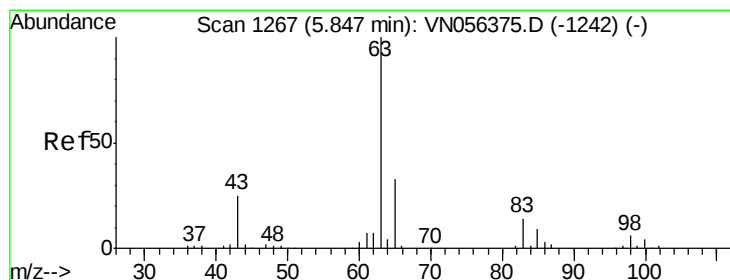
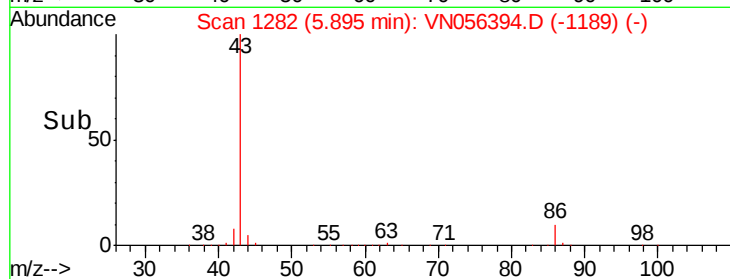
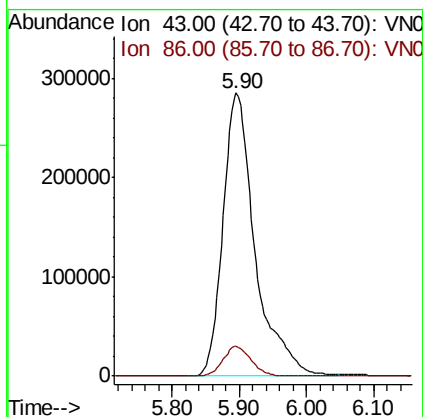
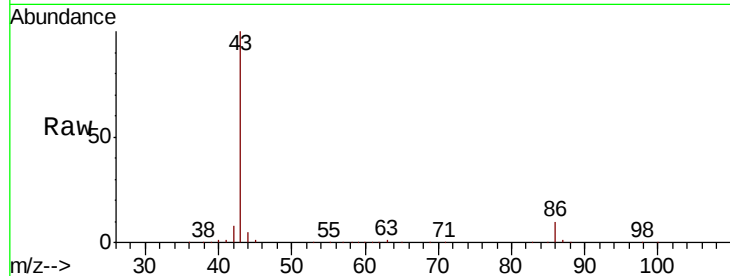




#23
 Vinyl Acetate
 Concen: 105.873 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN056394.D
 Acq: 20 Jun 2019 11:55

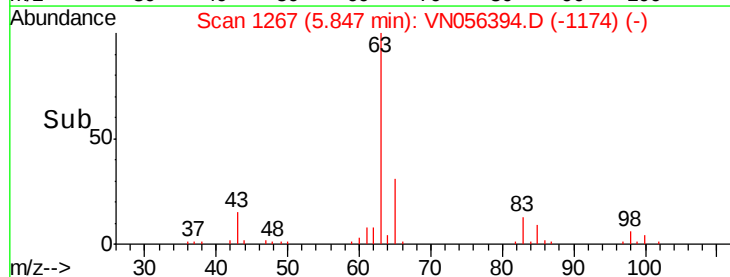
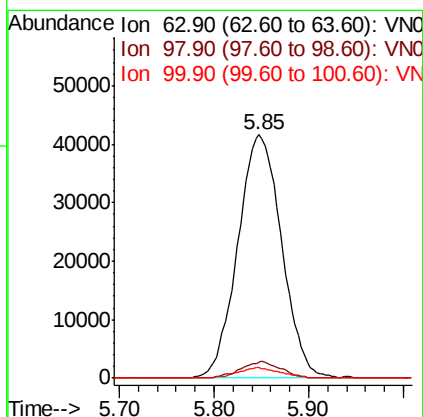
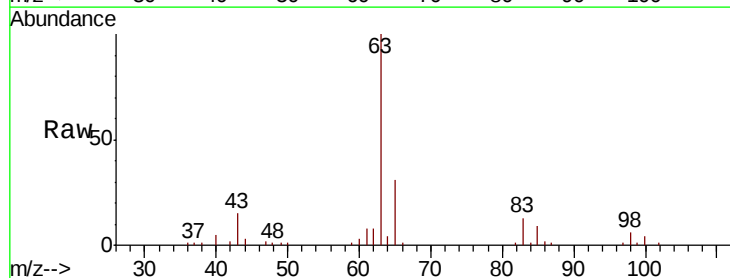
Instrument :
 MSVOA_N
 ClientSampled :

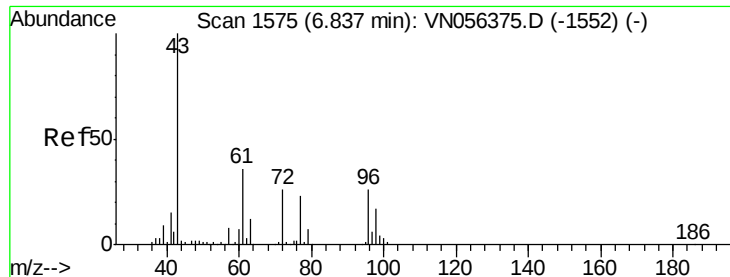
Tot Ion: 43 Resp: 947690
 Ion Ratio Lower Upper
 43 100
 86 10.4 8.3 12.5



#24
 1,1-Dichloroethane
 Concen: 20.504 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VN056394.D
 Acq: 20 Jun 2019 11:55

Tgt Ion: 63 Resp: 133574
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.2 9.6
 100 4.3 2.1 6.5





#25

2-Butanone

Concen: 96.498 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN056394.D

Acq: 20 Jun 2019 11:55

Instrument :

MSVOA_N

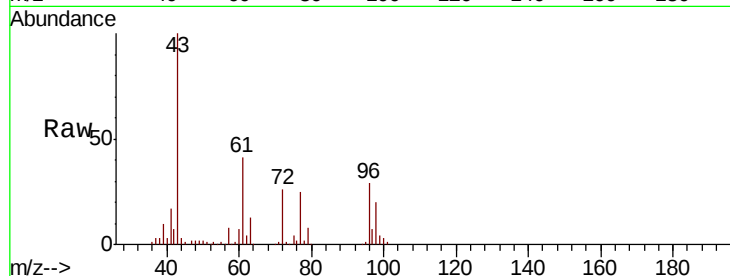
ClientSampled :

Tot Ion: 43 Resp: 260611

Ion Ratio Lower Upper

43 100

72 26.1 20.6 31.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.84

100000

80000

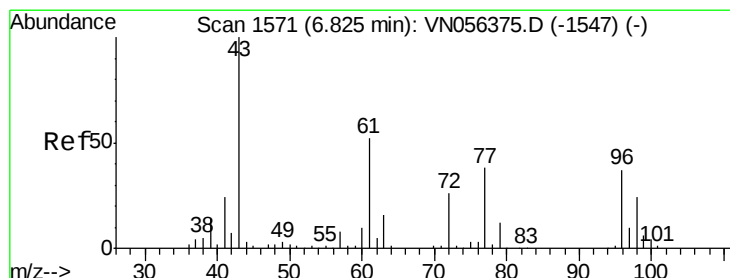
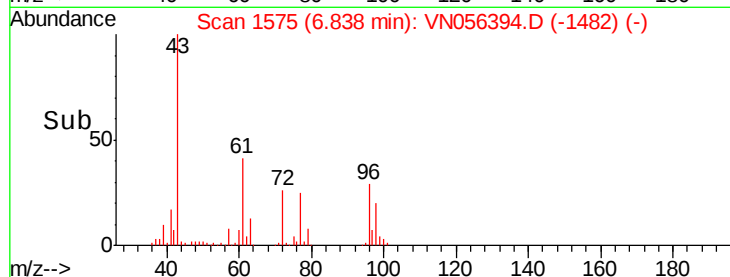
60000

40000

20000

0

Time-->



#26

2,2-Dichloropropane

Concen: 19.289 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN056394.D

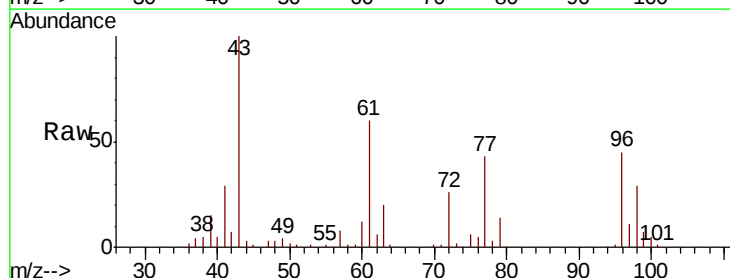
Acq: 20 Jun 2019 11:55

Tgt Ion: 77 Resp: 87398

Ion Ratio Lower Upper

77 100

97 24.5 11.9 35.5



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.82

30000

25000

20000

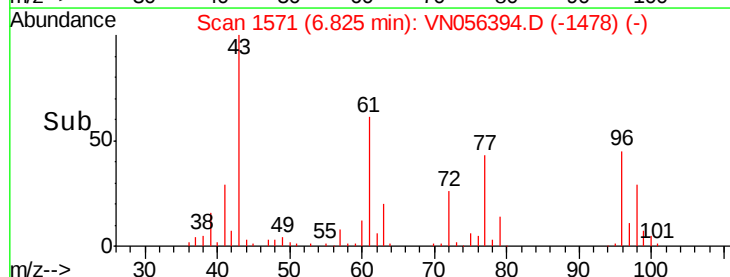
15000

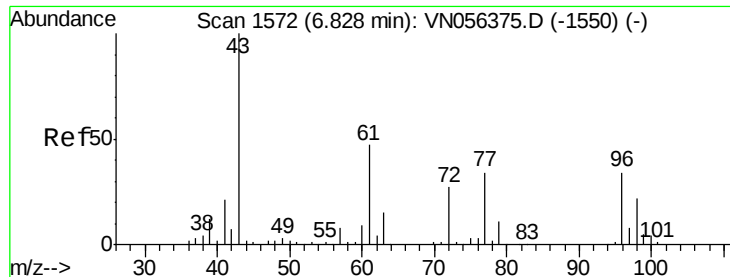
10000

5000

0

Time-->





#27

cis-1,2-Dichloroethene

Concen: 20.595 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

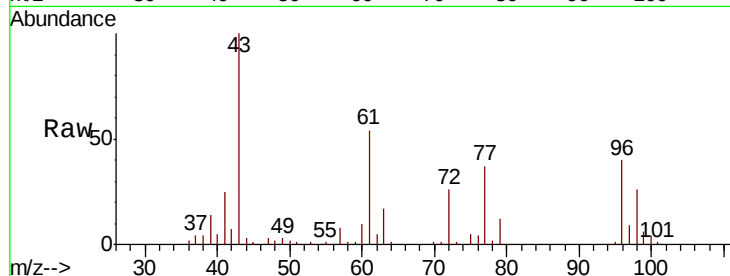
Lab File: VN056394.D

Acq: 20 Jun 2019 11:55

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 96 Resp: 84333

Ion	Ratio	Lower	Upper
96	100		
61	141.0	0.0	279.8
98	65.6	0.0	130.0

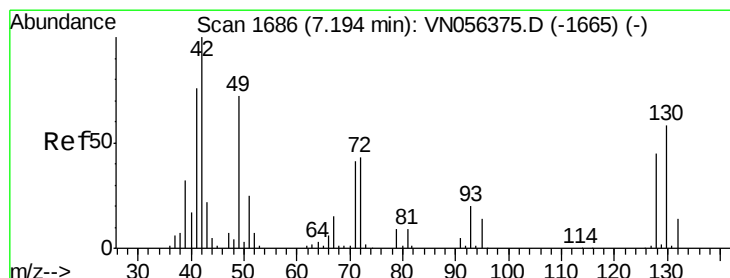
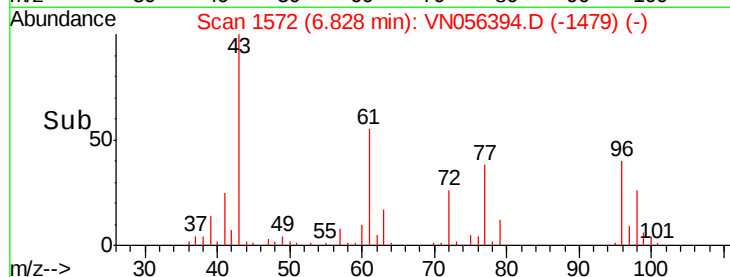
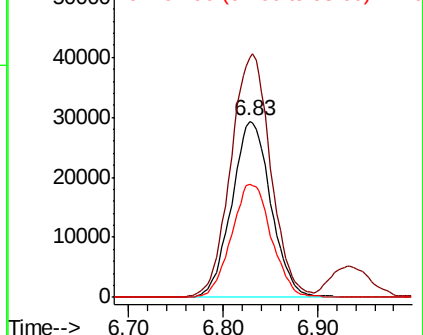


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 20.977 ug/l

RT: 7.19 min Scan# 1686

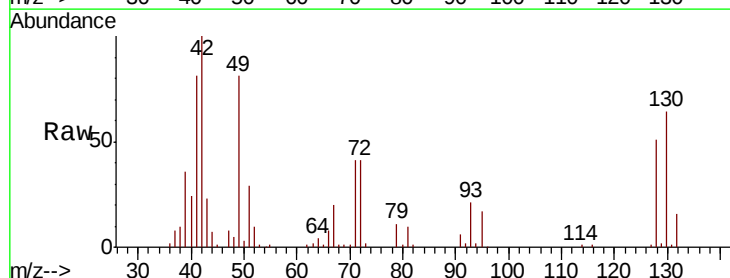
Delta R.T. 0.00 min

Lab File: VN056394.D

Acq: 20 Jun 2019 11:55

Tgt Ion: 49 Resp: 67594

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.2
130	80.4	64.9	97.3

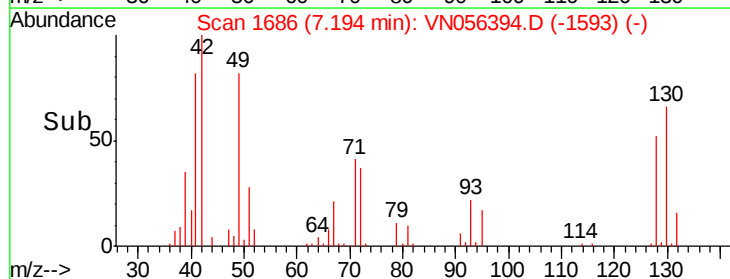
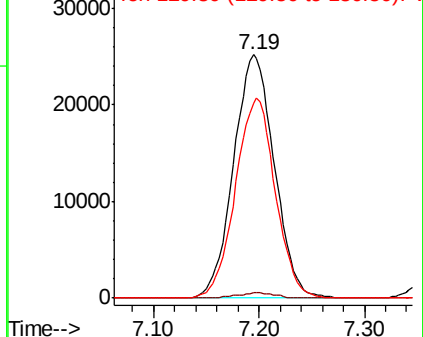


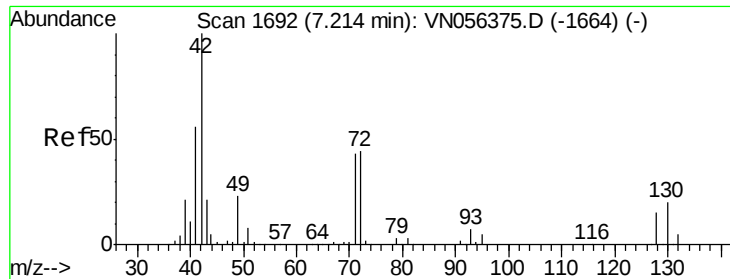
Abundance

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

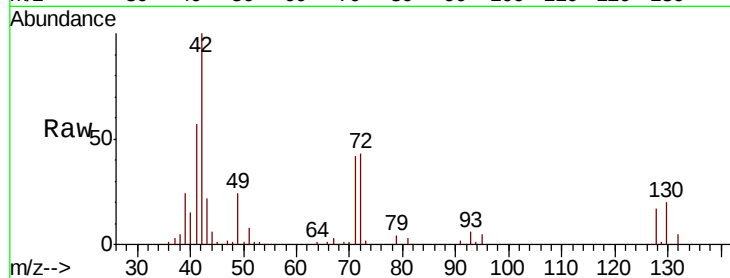




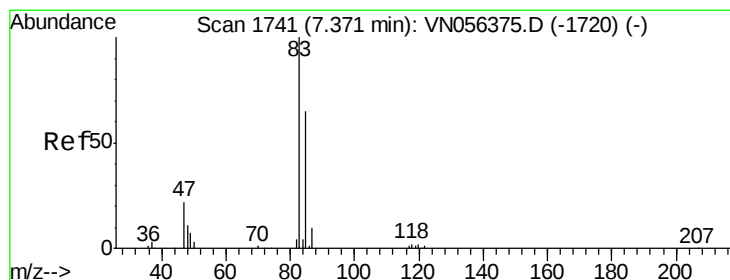
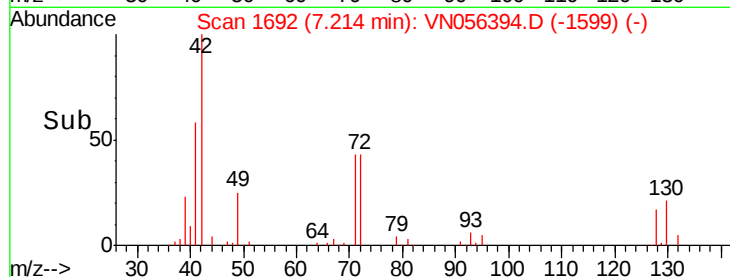
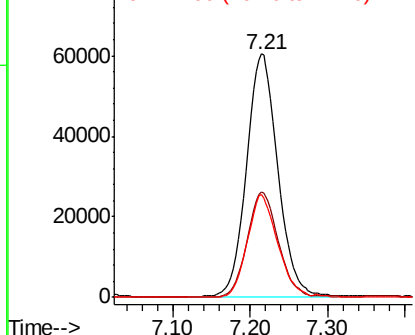
#29
Tetrahydrofuran
Concen: 104.396 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN056394.D
Acq: 20 Jun 2019 11:55

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.6	34.7	52.1
71	40.9	33.0	49.6

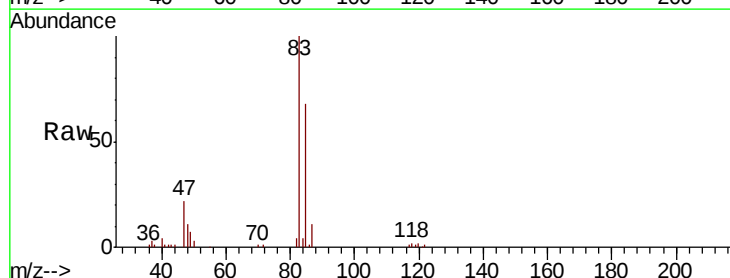


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

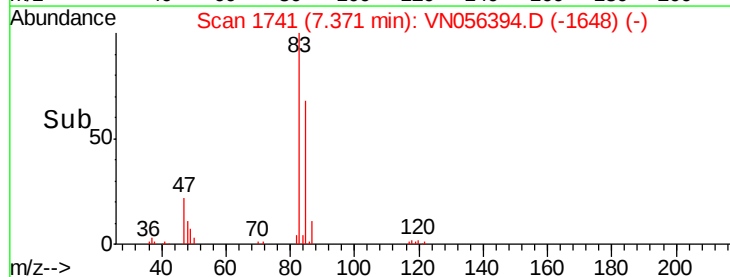
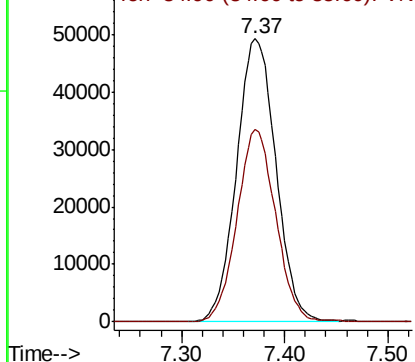


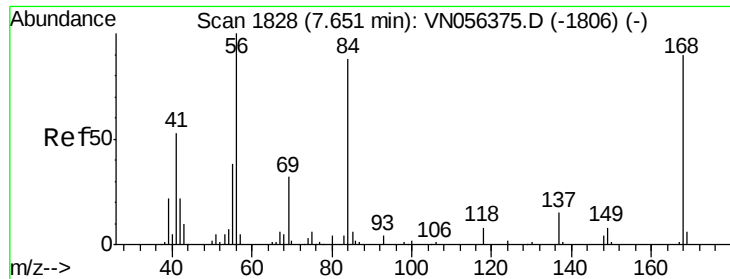
#30
Chloroform
Concen: 20.346 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056394.D
Acq: 20 Jun 2019 11:55

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.8	52.3	78.5



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

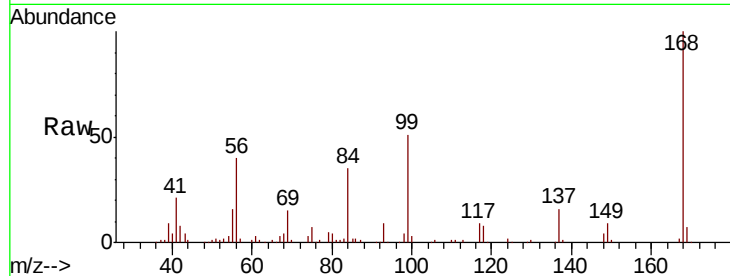




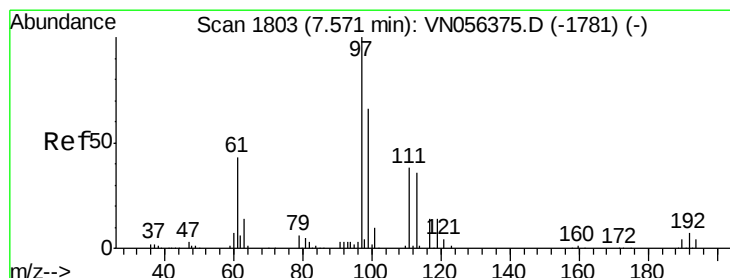
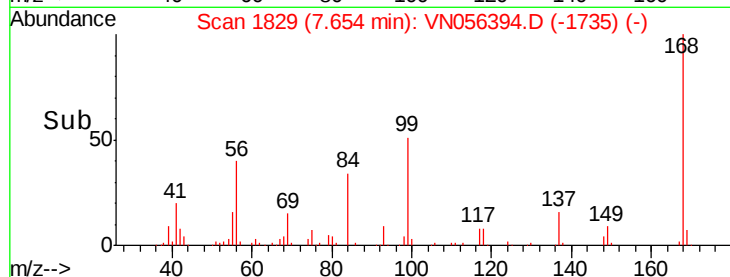
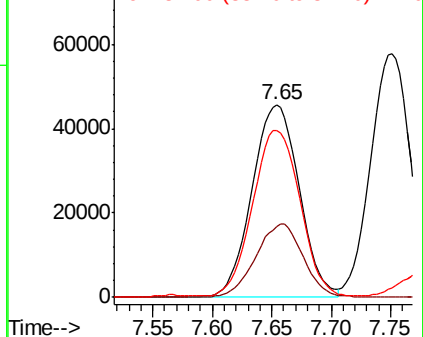
#31
Cyclohexane
Concen: 19.953 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN056394.D
Acq: 20 Jun 2019 11:55

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 125489
Ion Ratio Lower Upper
56 100
69 36.7 25.8 38.6
84 85.7 69.4 104.0

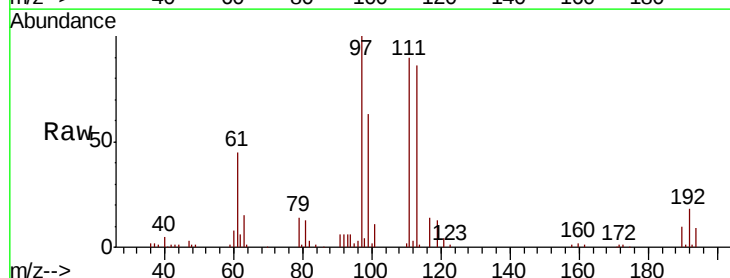


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

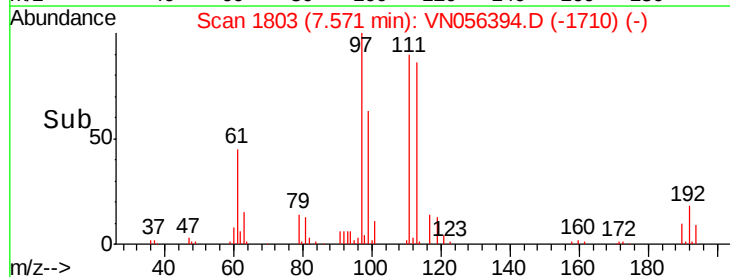
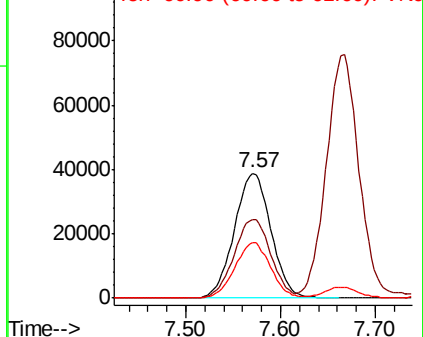


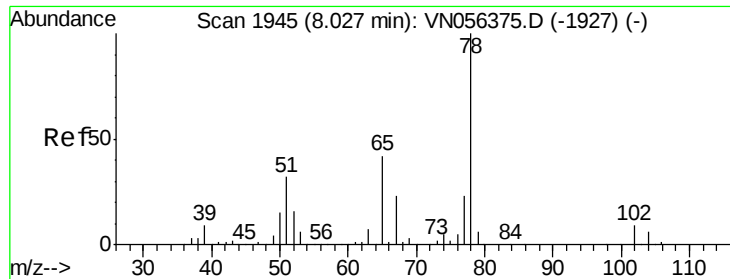
#32
1,1,1-Trichloroethane
Concen: 20.447 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN056394.D
Acq: 20 Jun 2019 11:55

Tgt Ion: 97 Resp: 104187
Ion Ratio Lower Upper
97 100
99 63.4 51.8 77.6
61 43.3 33.9 50.9



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

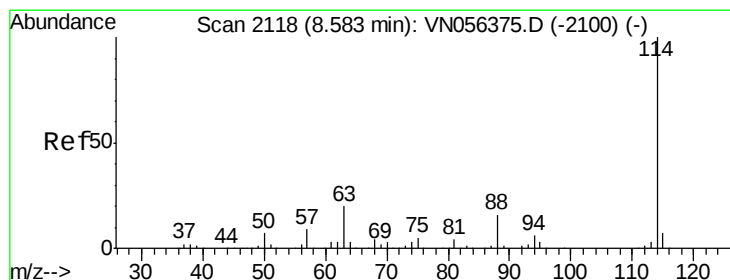
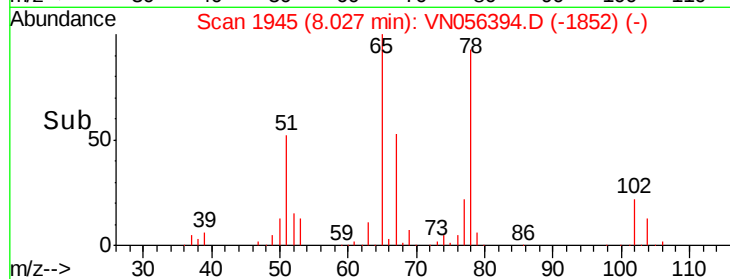
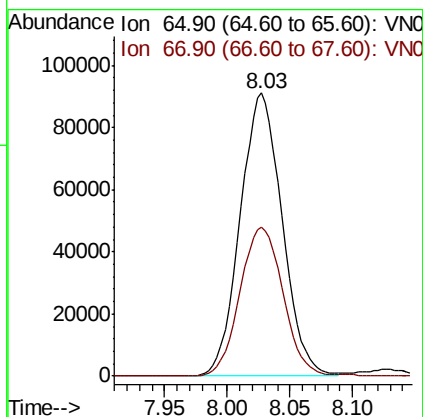
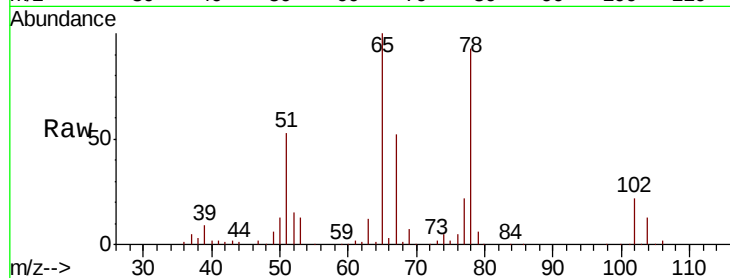




#33
 1,2-Dichloroethane-d4
 Concen: 52.085 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056394.D
 Acq: 20 Jun 2019 11:55

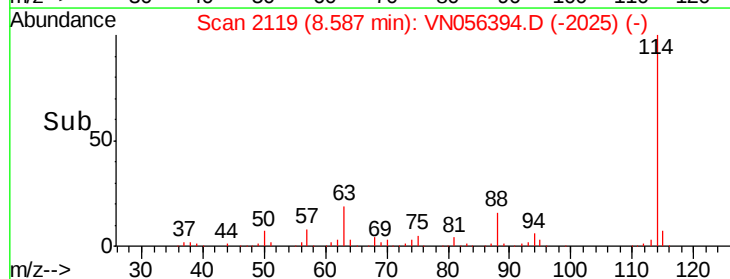
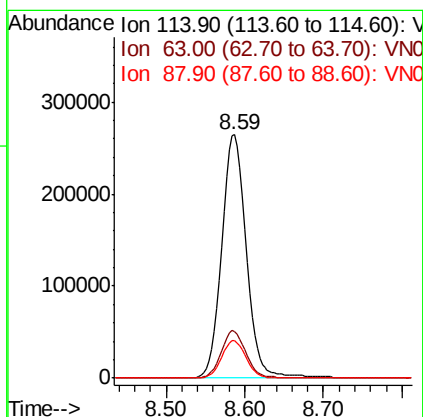
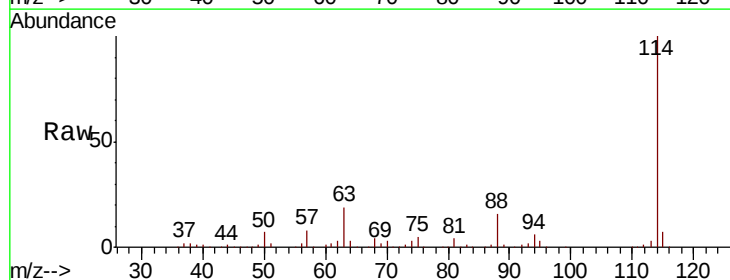
Instrument :
 MSVOA_N
 ClientSampled :

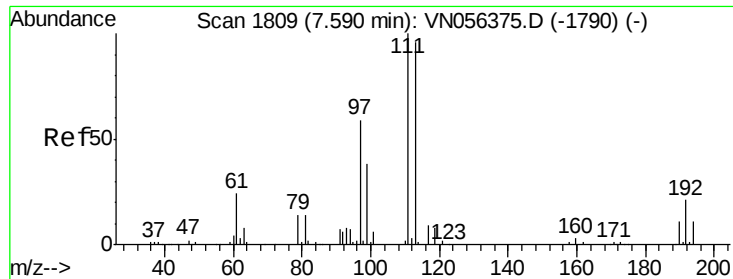
Tot Ion: 65 Resp: 212134
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056394.D
 Acq: 20 Jun 2019 11:55

Tgt Ion: 114 Resp: 571252
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 39.2
 88 15.5 0.0 31.4

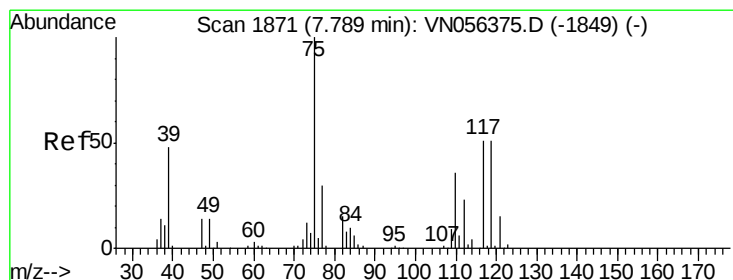
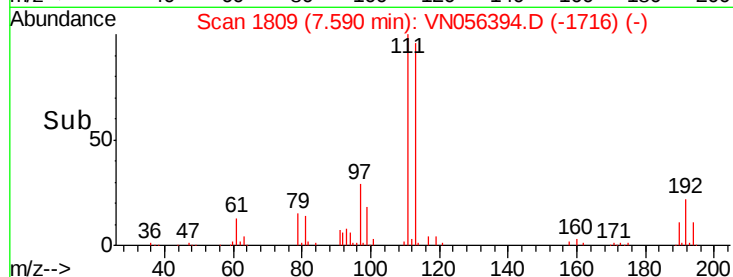
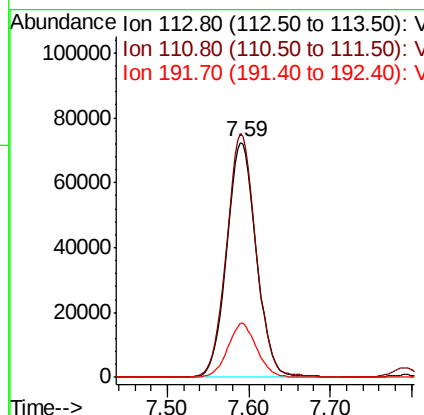
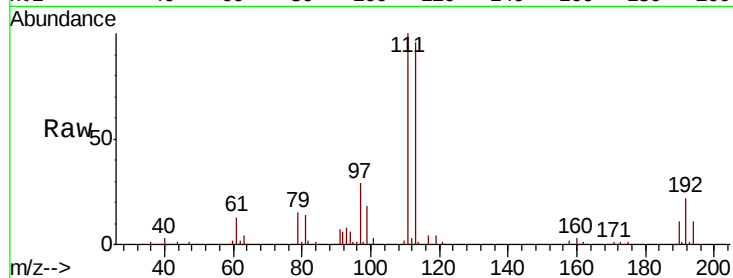




#35
 Dibromofluoromethane
 Concen: 51.598 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056394.D
 Acq: 20 Jun 2019 11:55

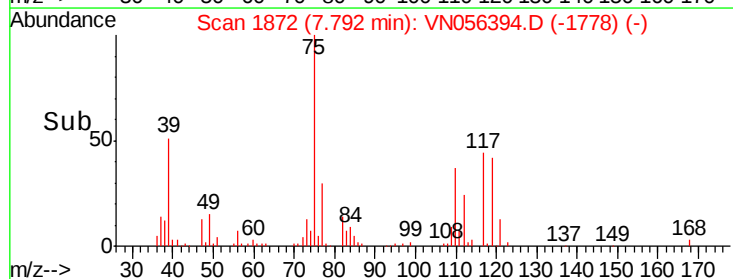
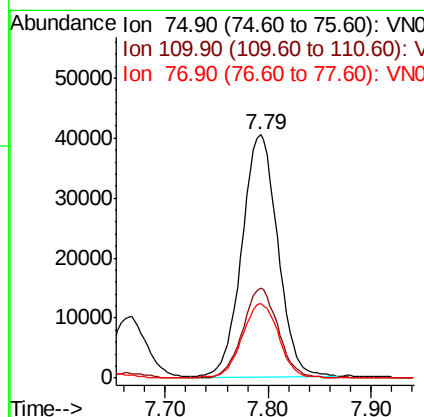
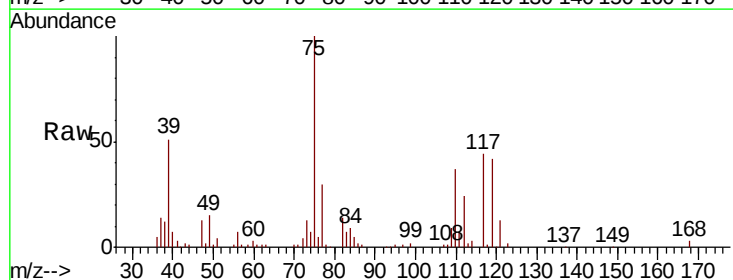
Instrument :
 MSVOA_N
 ClientSampleId :

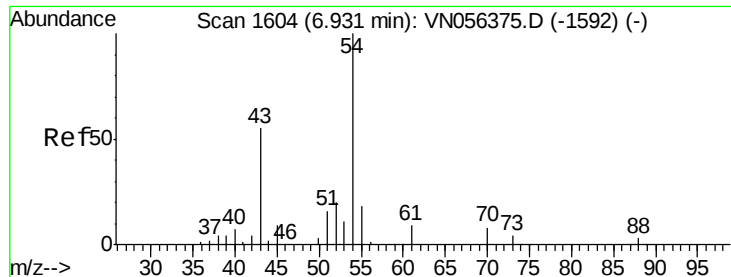
Tot Ion:113 Resp: 183879
 Ion Ratio Lower Upper
 113 100
 111 103.7 82.9 124.3
 192 22.5 17.7 26.5



#36
 1,1-Dichloropropene
 Concen: 19.449 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN056394.D
 Acq: 20 Jun 2019 11:55

Tgt Ion: 75 Resp: 97791
 Ion Ratio Lower Upper
 75 100
 110 36.7 18.1 54.3
 77 31.3 24.6 36.8

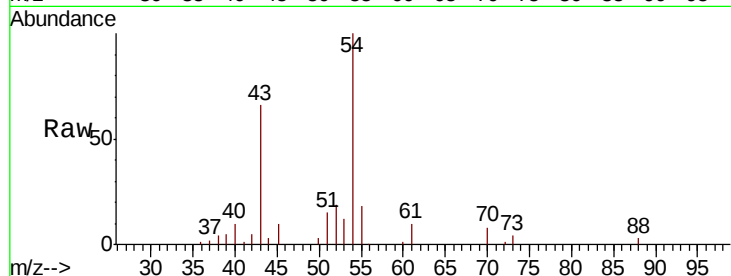




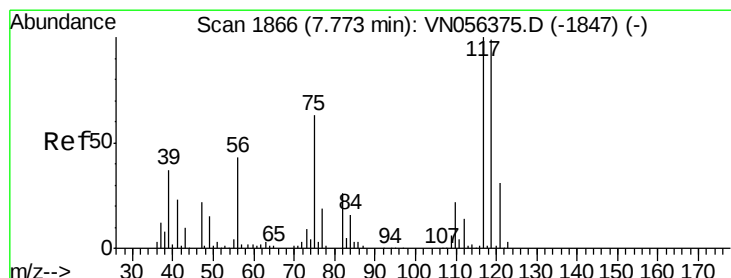
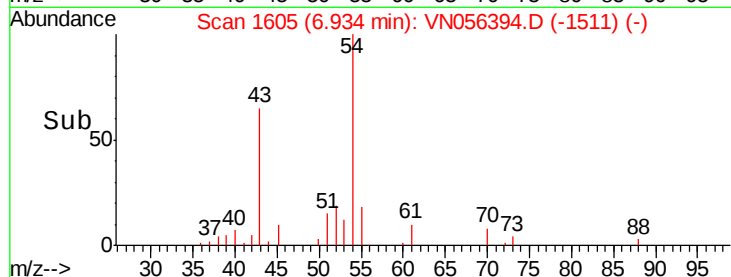
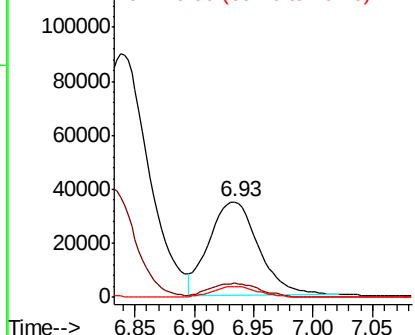
#37
Ethyl Acetate
Concen: 20.202 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN056394.D
Acq: 20 Jun 2019 11:55

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 99824
Ion Ratio Lower Upper
43 100
61 15.7 11.1 16.7
70 10.8 8.3 12.5

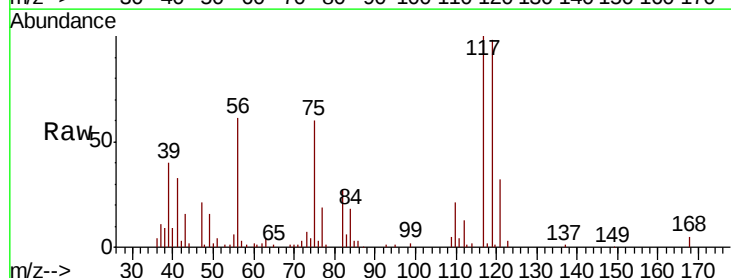


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

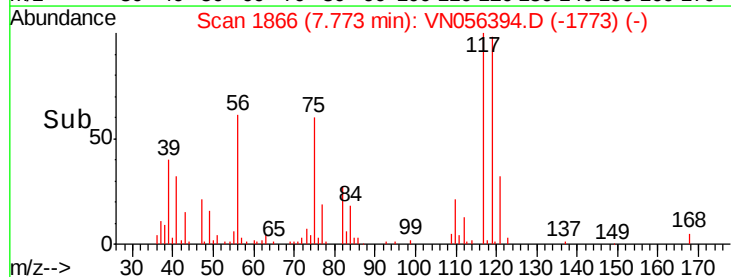
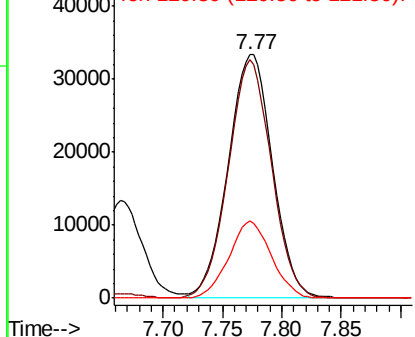


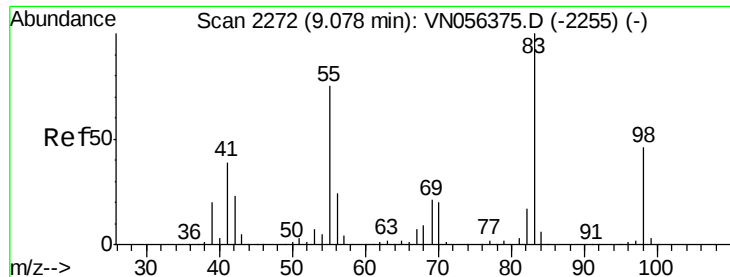
#38
Carbon Tetrachloride
Concen: 19.601 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN056394.D
Acq: 20 Jun 2019 11:55

Tgt Ion: 117 Resp: 86183
Ion Ratio Lower Upper
117 100
119 98.0 79.1 118.7
121 31.6 24.8 37.2



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

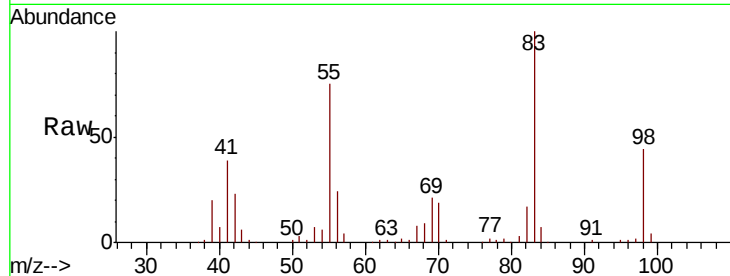




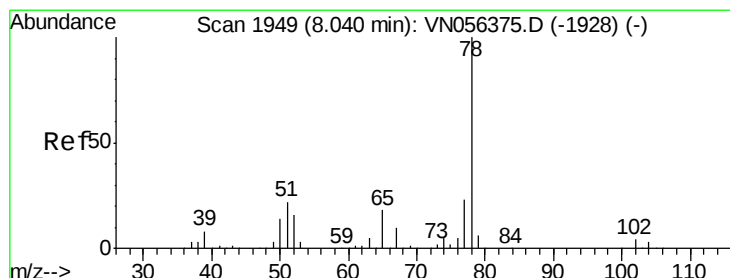
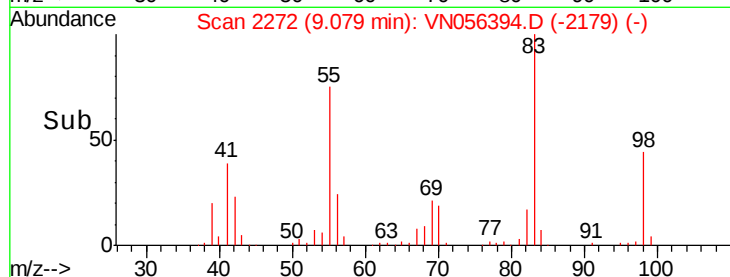
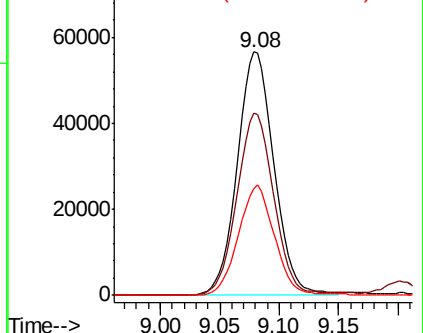
#39
Methvlcvclohexane
Concen: 19.554 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056394.D
Acq: 20 Jun 2019 11:55

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 121316
Ion Ratio Lower Upper
83 100
55 74.3 60.0 90.0
98 44.0 36.6 54.8

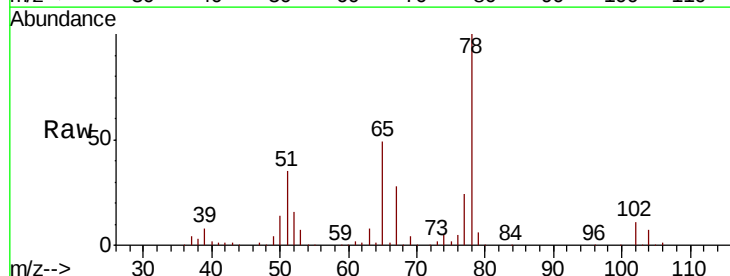


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

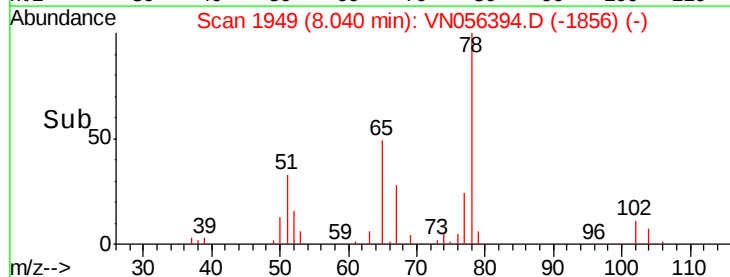
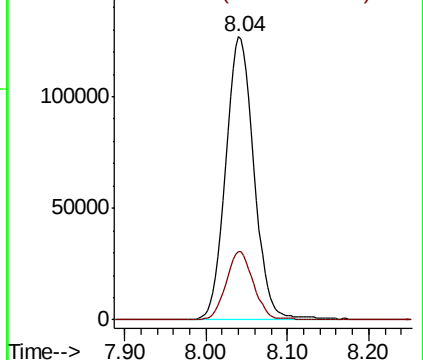


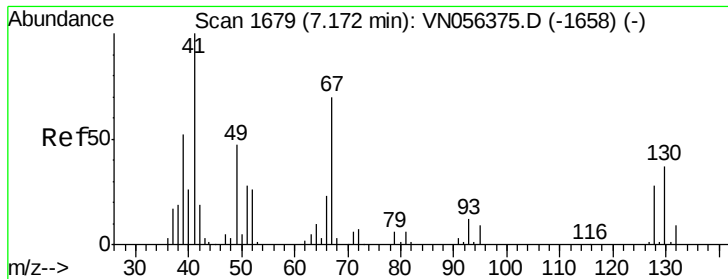
#40
Benzene
Concen: 20.073 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056394.D
Acq: 20 Jun 2019 11:55

Tgt Ion: 78 Resp: 310454
Ion Ratio Lower Upper
78 100
77 24.2 18.3 27.5



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

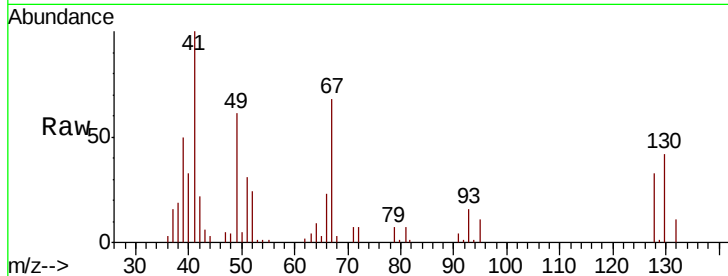




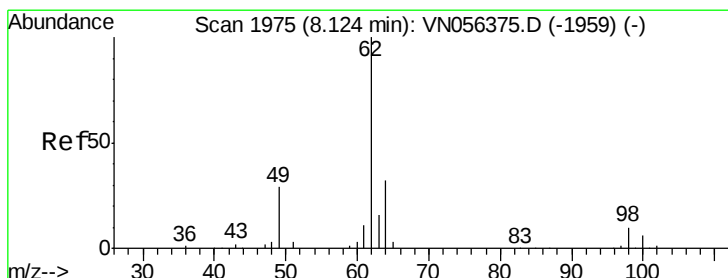
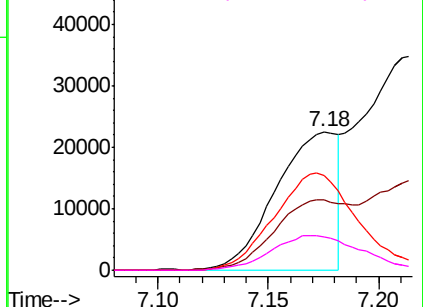
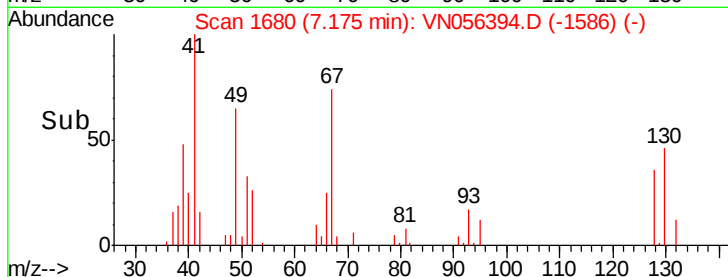
#41
Methacrylonitrile
Concen: 20.242 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN056394.D
Acq: 20 Jun 2019 11:55

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	41	Resp:	44167
Ion	Ratio	Lower	Upper
41	100		
39	60.7	55.3	82.9
67	95.9	79.2	118.8
52	36.8	31.4	47.0

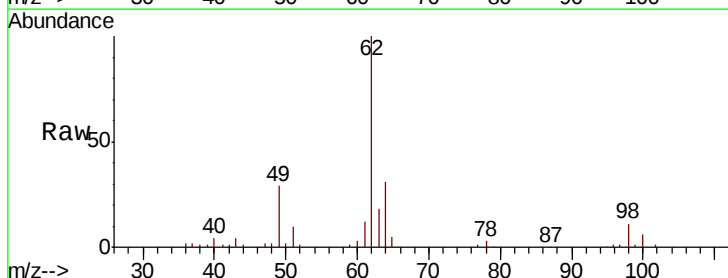


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

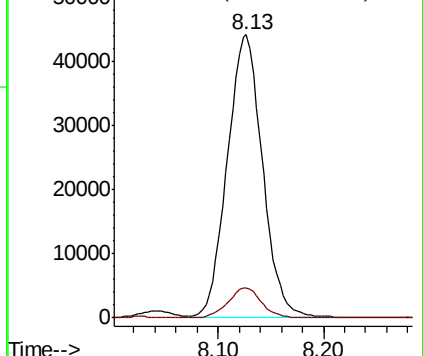
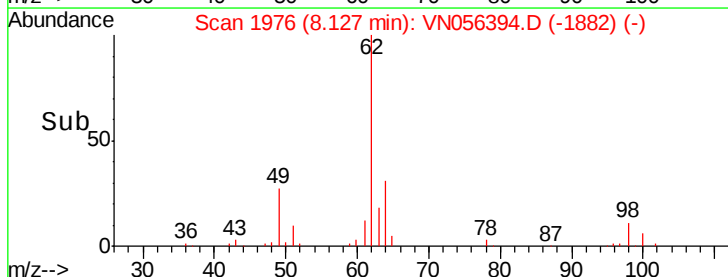


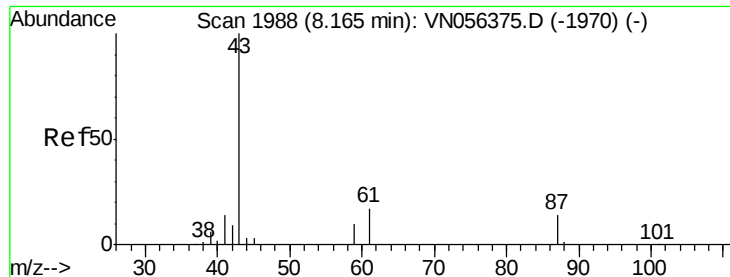
#42
1,2-Dichloroethane
Concen: 20.047 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN056394.D
Acq: 20 Jun 2019 11:55

Tgt Ion:	62	Resp:	102326
Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	19.4



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





#43

Isopropyl Acetate

Concen: 19.978 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056394.D

Acq: 20 Jun 2019 11:55

Instrument :

MSVOA_N

ClientSampleId :

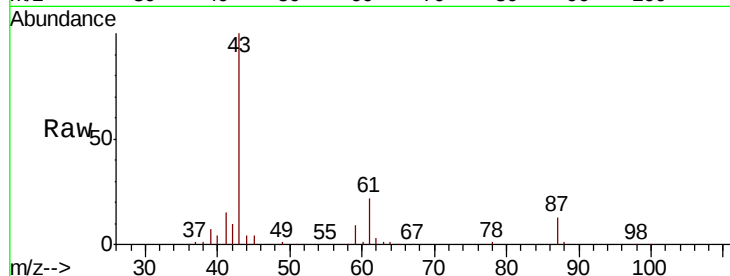
Tot Ion: 43 Resp: 152218

Ion Ratio Lower Upper

43 100

61 29.6 22.0 33.0

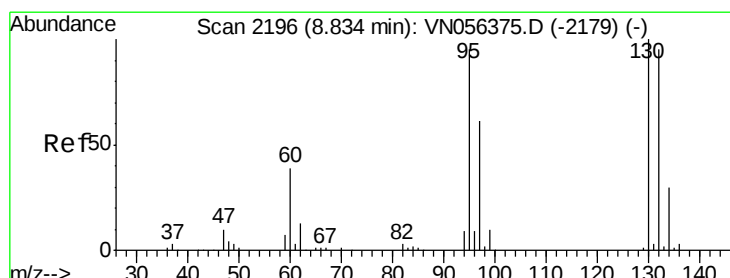
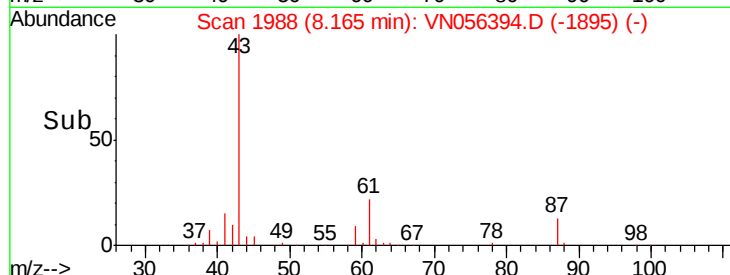
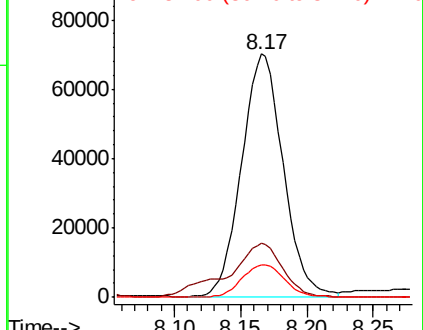
87 14.0 11.0 16.4



Abundance Ion 43.00 (42.70 to 43.70): VN056375.D (-1970) (-)

Ion 61.00 (60.70 to 61.70): VN056375.D (-1970) (-)

Ion 87.00 (86.70 to 87.70): VN056375.D (-1970) (-)



#44

Trichloroethene

Concen: 19.840 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN056394.D

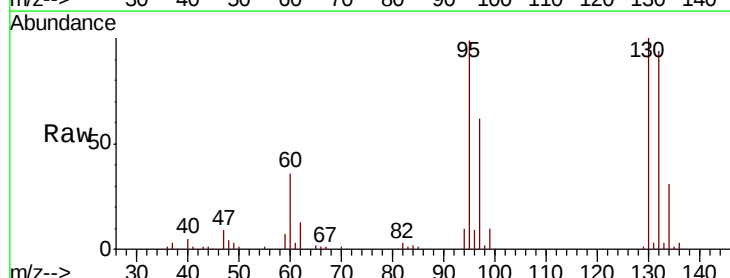
Acq: 20 Jun 2019 11:55

Tgt Ion:130 Resp: 82657

Ion Ratio Lower Upper

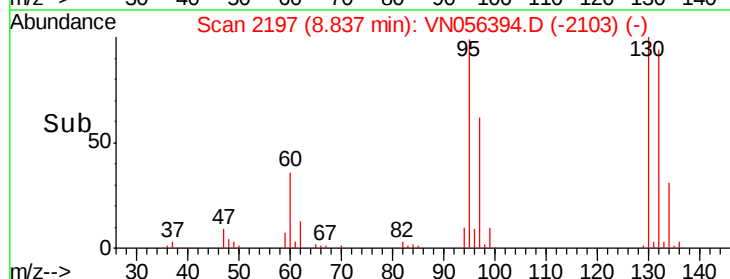
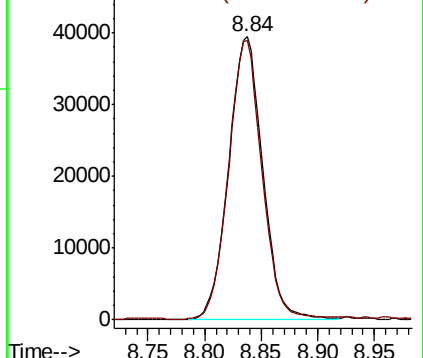
130 100

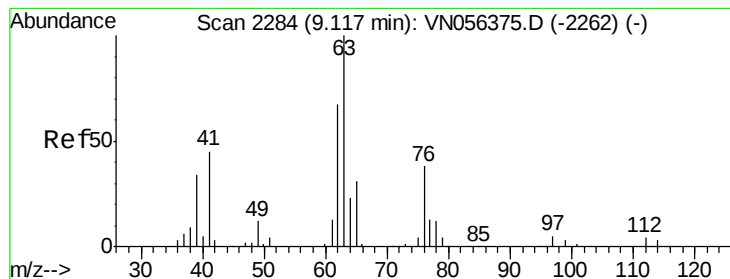
95 98.3 0.0 191.0



Abundance Ion 129.80 (129.50 to 130.50): VN056375.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN056375.D (-2179) (-)





#45

1,2-Dichloropropane

Concen: 20.308 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN056394.D

Acq: 20 Jun 2019 11:55

Instrument :

MSVOA_N

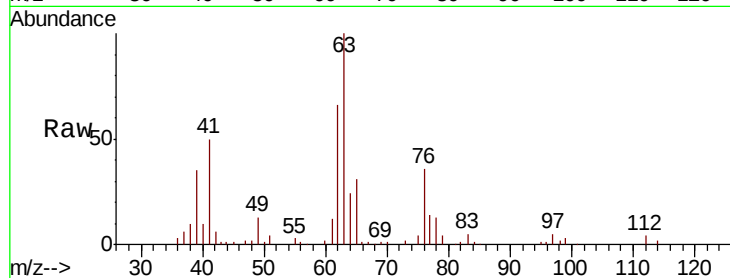
ClientSampled :

Tot Ion: 63 Resp: 84000

Ion Ratio Lower Upper

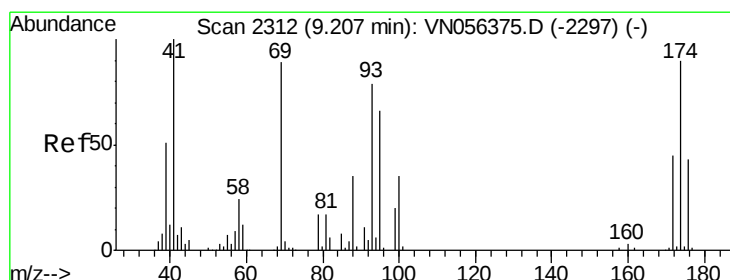
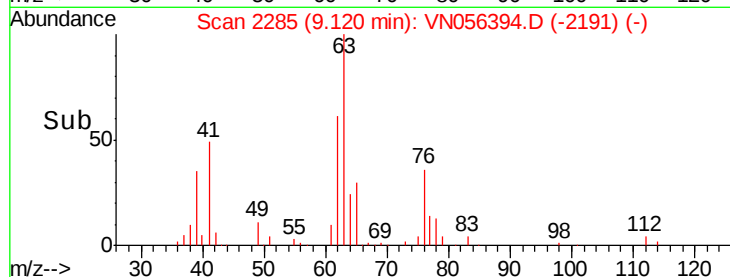
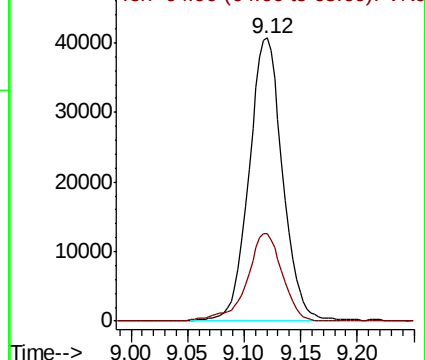
63 100

65 30.7 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 20.352 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN056394.D

Acq: 20 Jun 2019 11:55

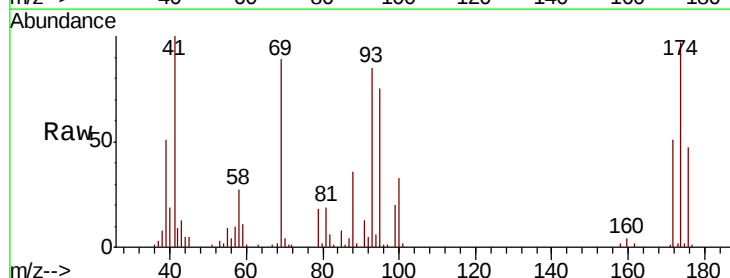
Tgt Ion: 93 Resp: 52668

Ion Ratio Lower Upper

93 100

95 86.2 66.2 99.2

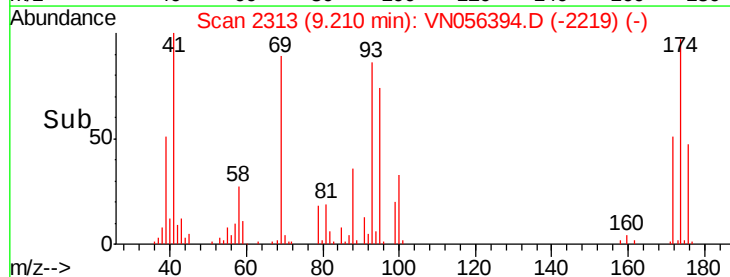
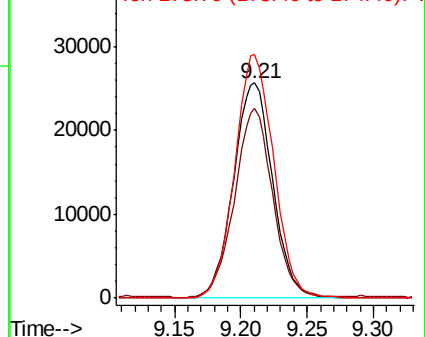
174 112.2 90.8 136.2

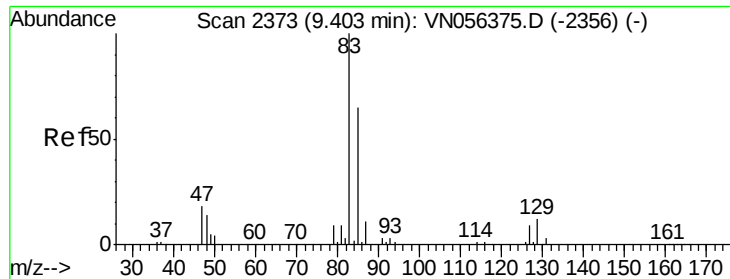


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.896 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN056394.D

Acq: 20 Jun 2019 11:55

Instrument :

MSVOA_N

ClientSampleId :

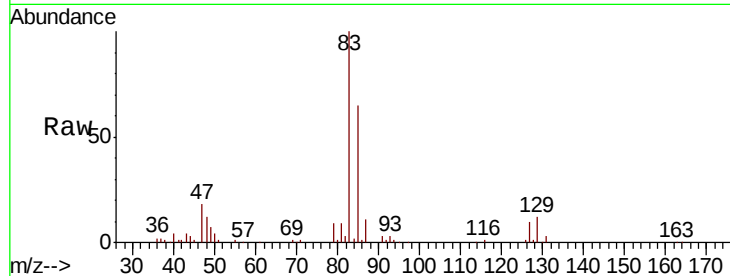
Tot Ion: 83 Resp: 91316

Ion Ratio Lower Upper

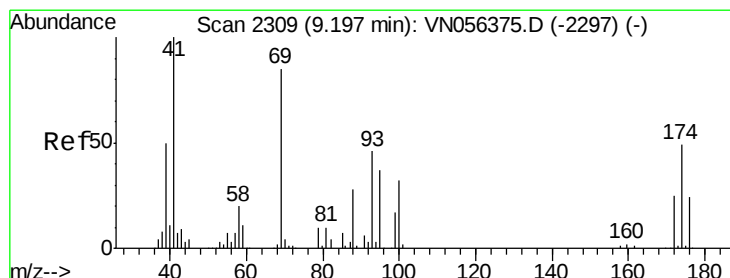
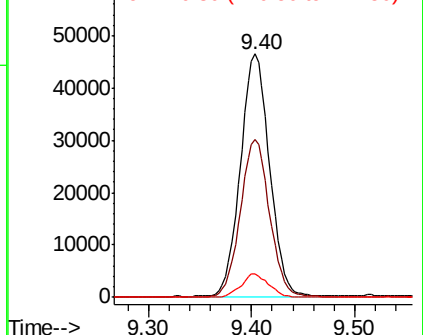
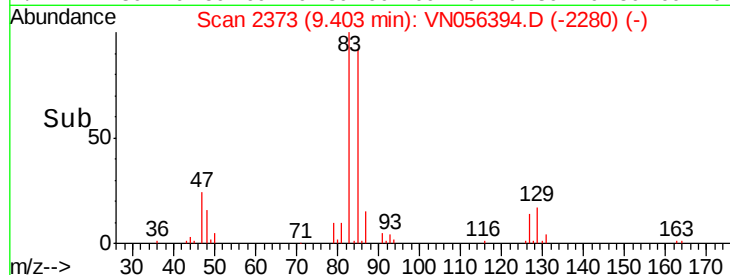
83 100

85 65.1 52.2 78.4

127 9.7 7.3 10.9



Abundance Ion 82.90 (82.60 to 83.60): VN056394.D (-2280) (-)



#48

Methyl methacrylate

Concen: 20.103 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN056394.D

Acq: 20 Jun 2019 11:55

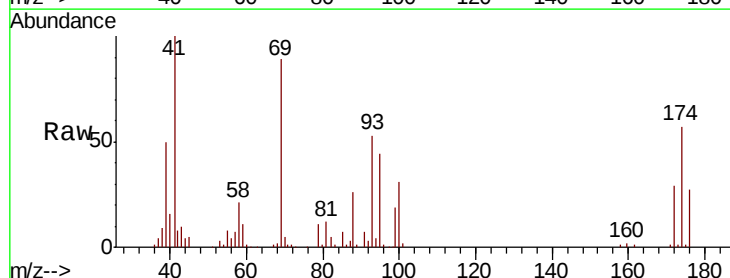
Tgt Ion: 41 Resp: 76757

Ion Ratio Lower Upper

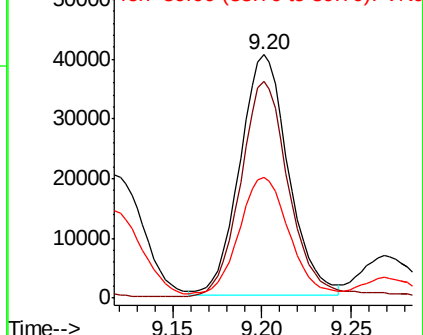
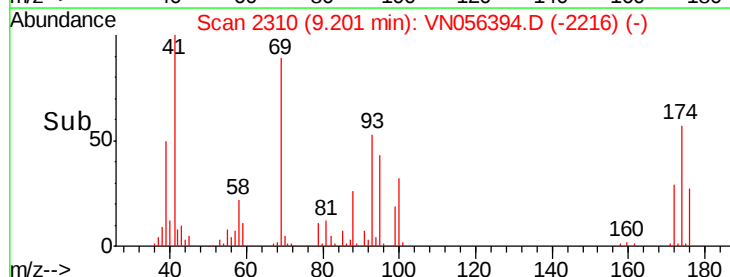
41 100

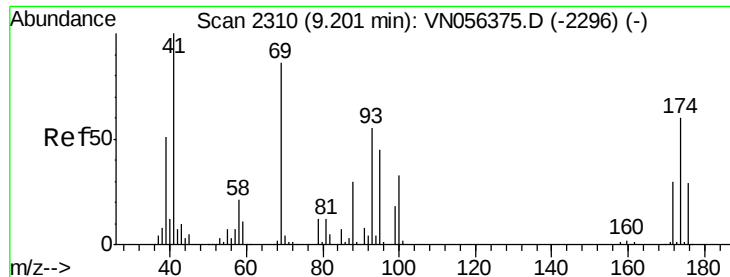
69 89.5 72.6 109.0

39 52.3 42.6 63.8



Abundance Ion 41.00 (40.70 to 41.70): VN056394.D (-2216) (-)





#49

1,4-Dioxane

Concen: 360.242 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.01 min

Lab File: VN056394.D

Acq: 20 Jun 2019 11:55

Instrument :
MSVOA_N
ClientSampleId :

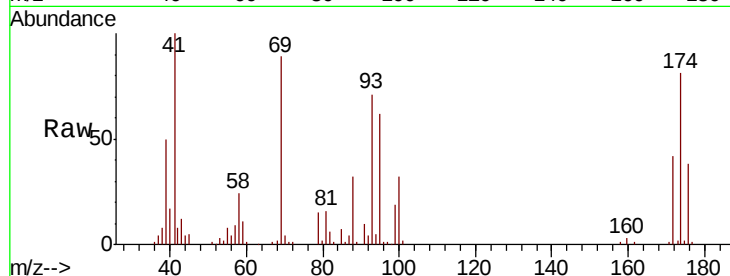
Tot Ion: 88 Resp: 28544

Ion Ratio Lower Upper

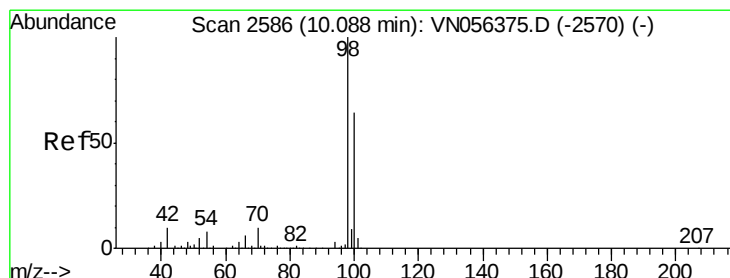
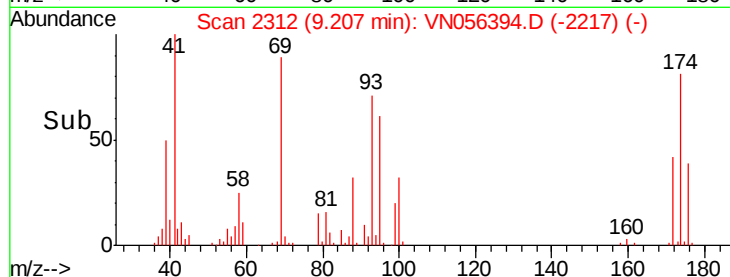
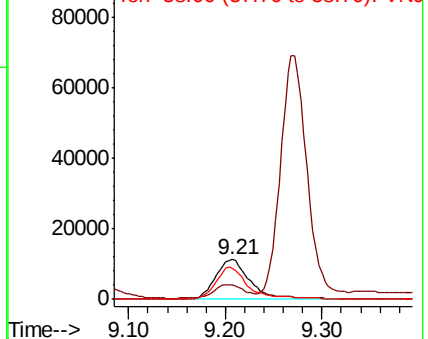
88 100

43 27.6 22.0 33.0

58 76.0 51.8 77.8



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



#50

Toluene-d8

Concen: 50.284 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056394.D

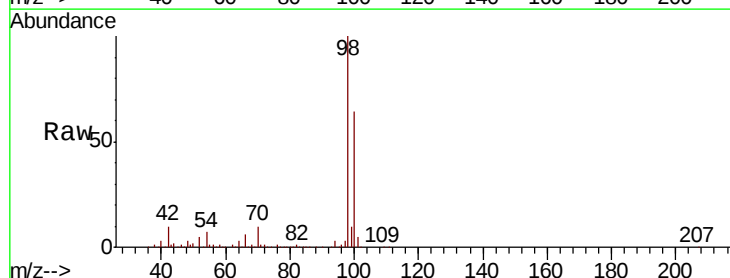
Acq: 20 Jun 2019 11:55

Tgt Ion: 98 Resp: 697269

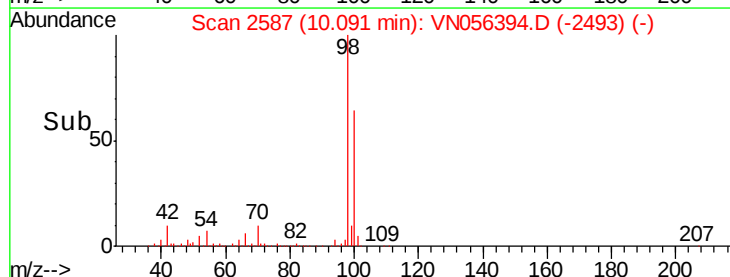
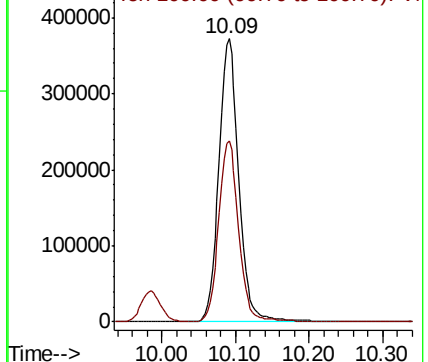
Ion Ratio Lower Upper

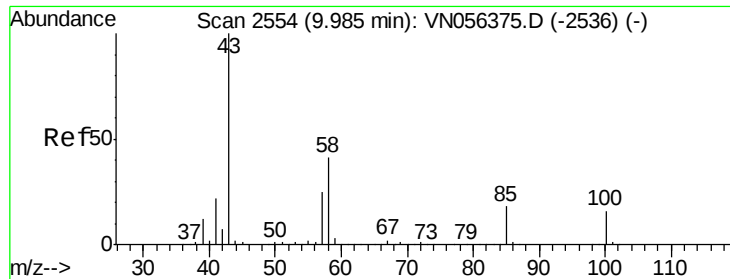
98 100

100 63.7 52.2 78.2



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





#51

4-Methyl-2-Pentanone

Concen: 100.527 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056394.D

Acq: 20 Jun 2019 11:55

Instrument :

MSVOA_N

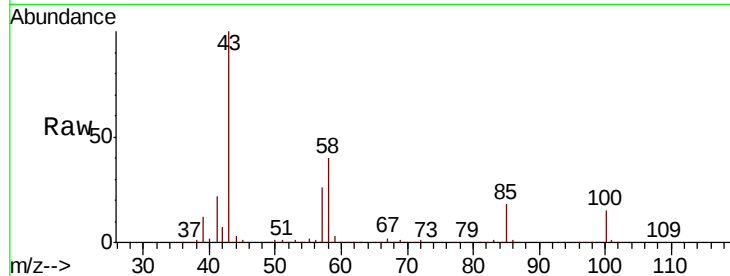
ClientSampleId :

Tot Ion: 43 Resp: 494371

Ion Ratio Lower Upper

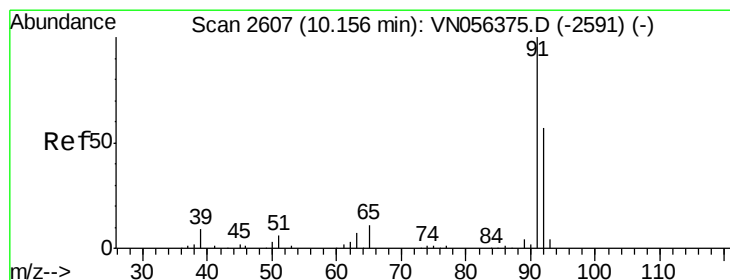
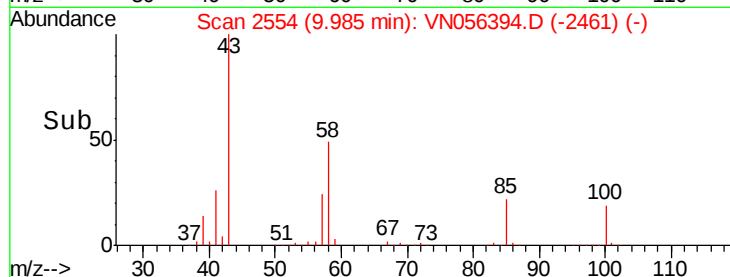
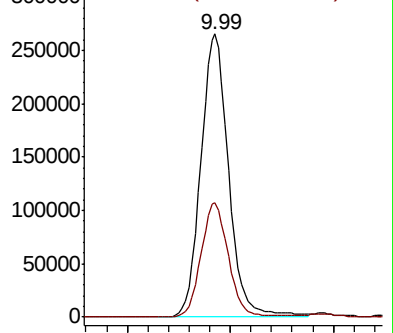
43 100

58 40.1 31.8 47.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.101 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056394.D

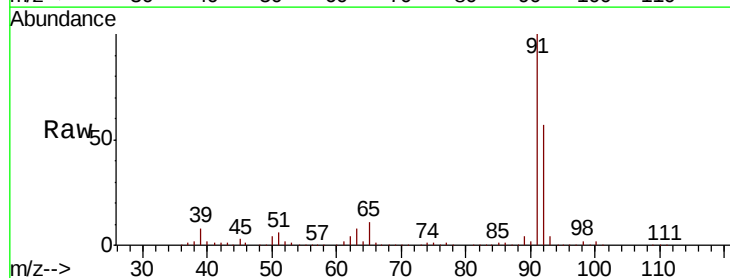
Acq: 20 Jun 2019 11:55

Tgt Ion: 92 Resp: 190074

Ion Ratio Lower Upper

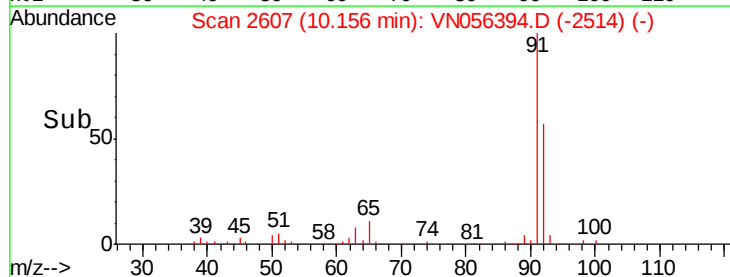
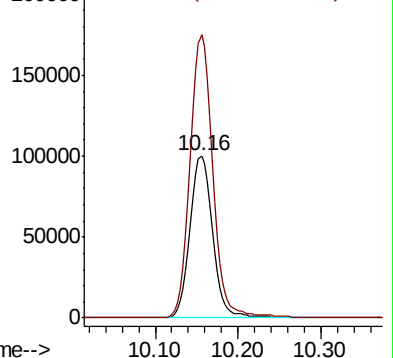
92 100

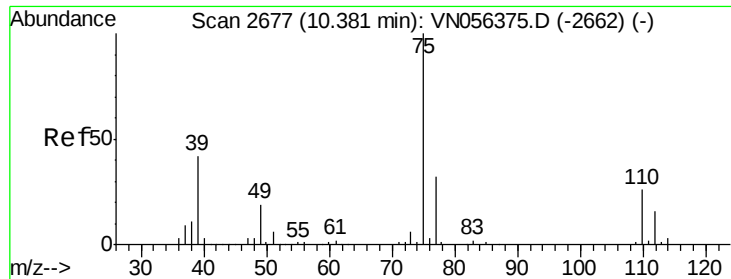
91 175.2 140.6 211.0



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 19.141 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN056394.D

Acq: 20 Jun 2019 11:55

Instrument :

MSVOA_N

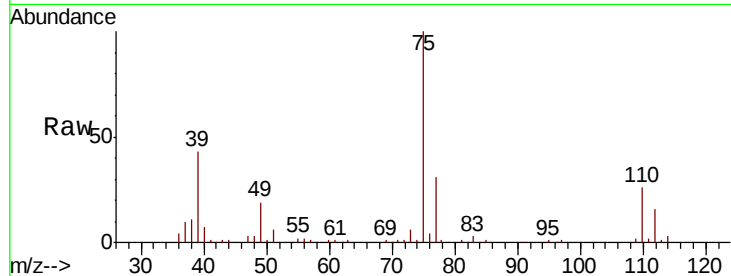
ClientSampled :

Tot Ion: 75 Resp: 92194

Ion Ratio Lower Upper

75 100

77 30.2 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

50000

40000

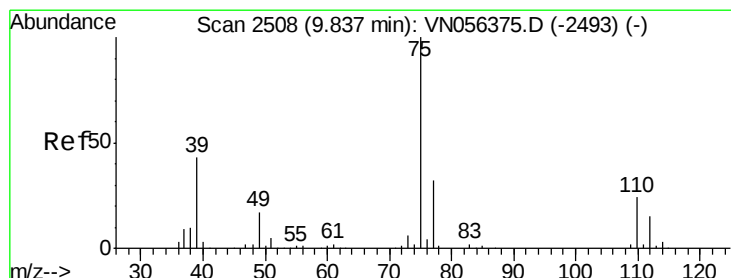
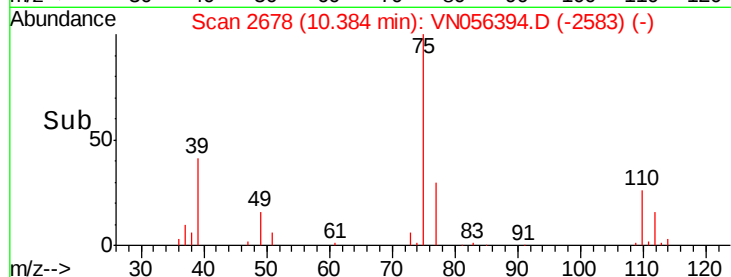
30000

20000

10000

0

Time--> 10.30 10.35 10.40 10.45



#54

cis-1,3-Dichloropropene

Concen: 20.389 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN056394.D

Acq: 20 Jun 2019 11:55

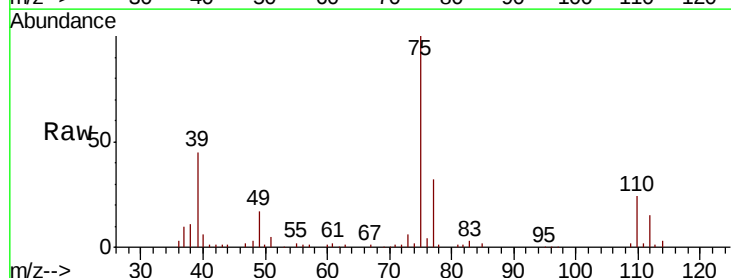
Tgt Ion: 75 Resp: 112687

Ion Ratio Lower Upper

75 100

77 31.9 25.2 37.8

39 44.8 34.2 51.4



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

9.84

80000

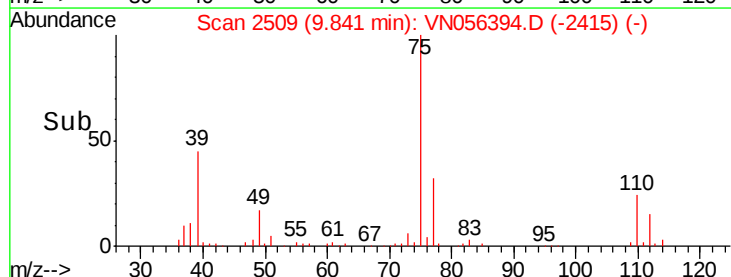
60000

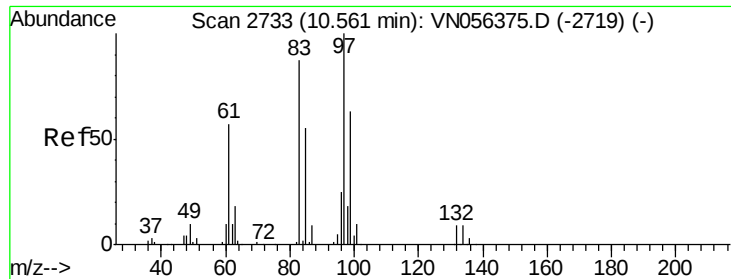
40000

20000

0

Time--> 9.75 9.80 9.85 9.90

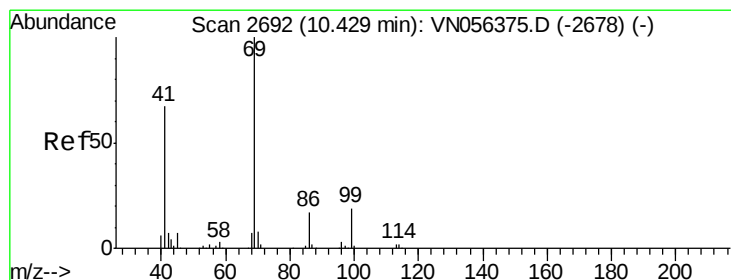
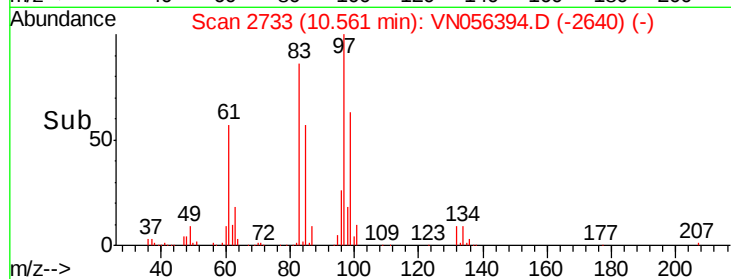
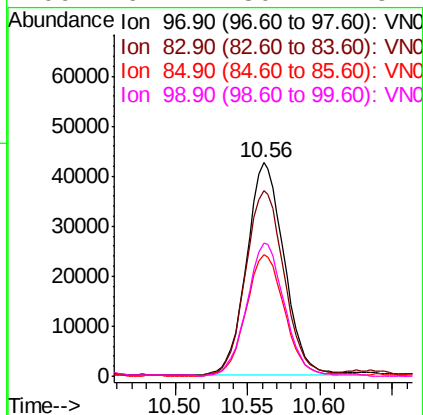
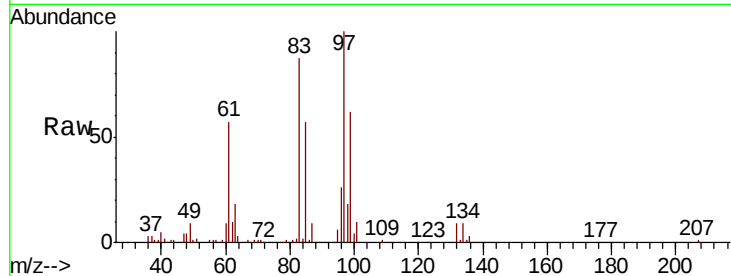




#55
 1,1,2-Trichloroethane
 Concen: 20.046 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN056394.D
 Acq: 20 Jun 2019 11:55

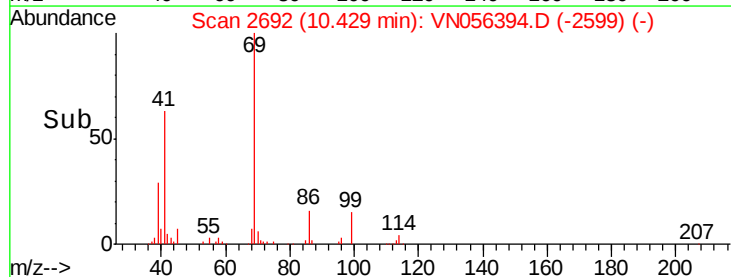
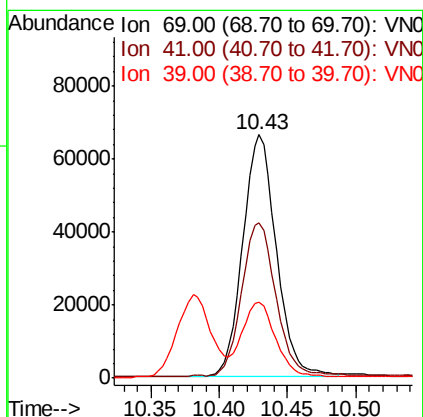
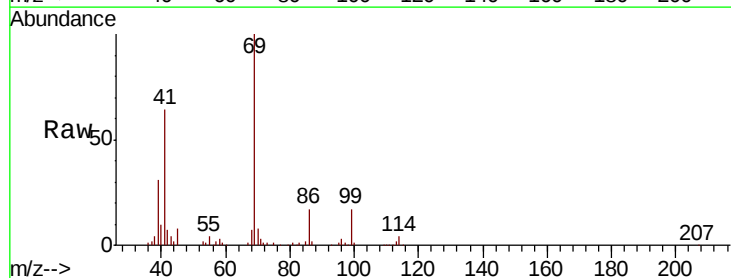
Instrument :
 MSVOA_N
 ClientSampleId :

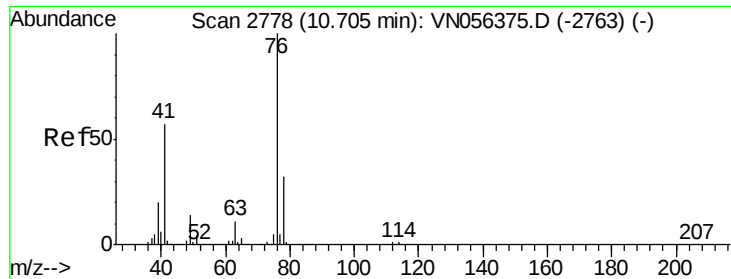
Tot Ion:	97	Resp:	76190
Ion	Ratio	Lower	Upper
97	100		
83	86.6	69.8	104.6
85	57.2	43.8	65.8
99	62.1	50.2	75.2



#56
 Ethyl methacrylate
 Concen: 20.446 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN056394.D
 Acq: 20 Jun 2019 11:55

Tgt Ion:	69	Resp:	113569
Ion	Ratio	Lower	Upper
69	100		
41	64.1	51.4	77.2
39	30.8	24.7	37.1





#57

1,3-Dichloropropane

Concen: 20.266 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN056394.D

Acq: 20 Jun 2019 11:55

Instrument :

MSVOA_N

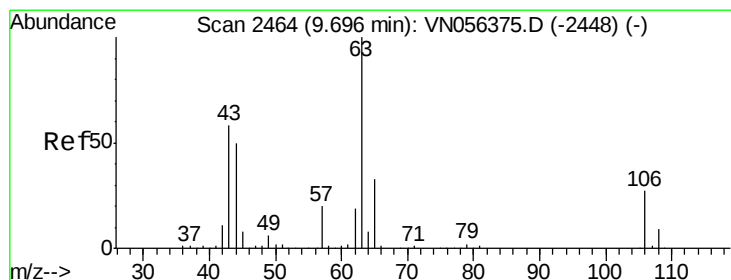
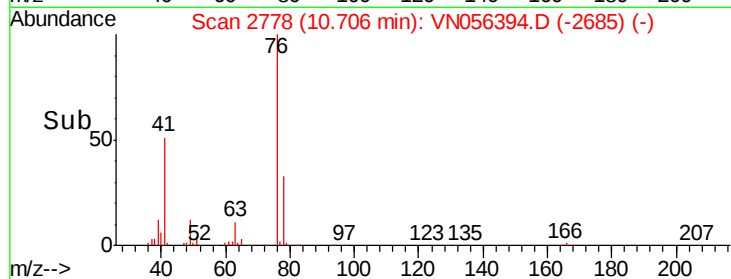
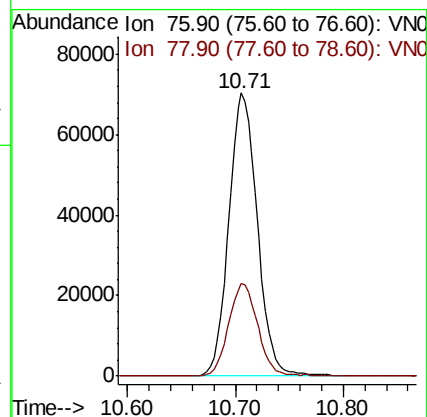
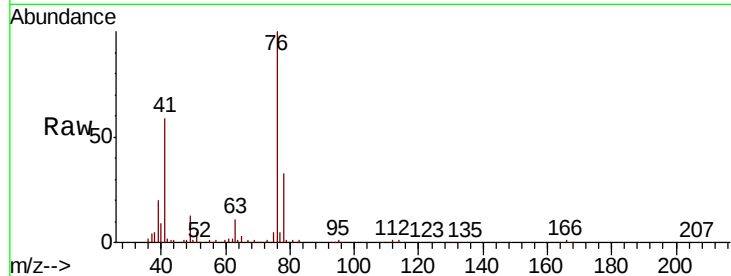
ClientSampled :

Tot Ion: 76 Resp: 129400

Ion Ratio Lower Upper

76 100

78 33.5 25.9 38.9



#58

2-Chloroethyl Vinyl ether

Concen: 91.137 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN056394.D

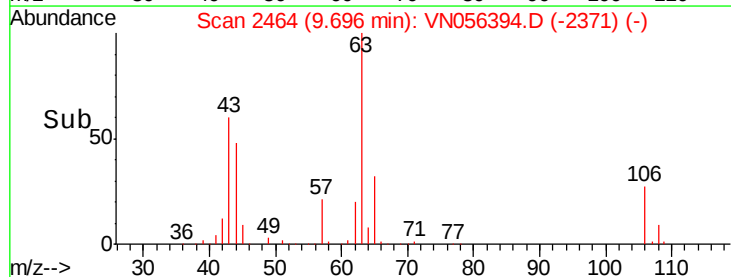
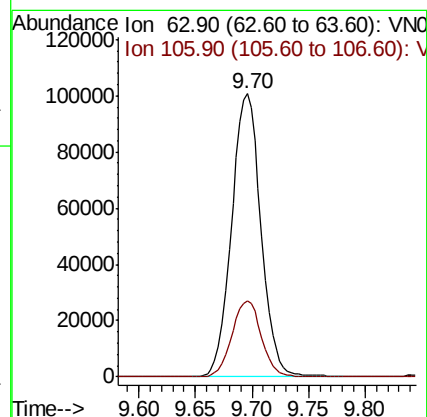
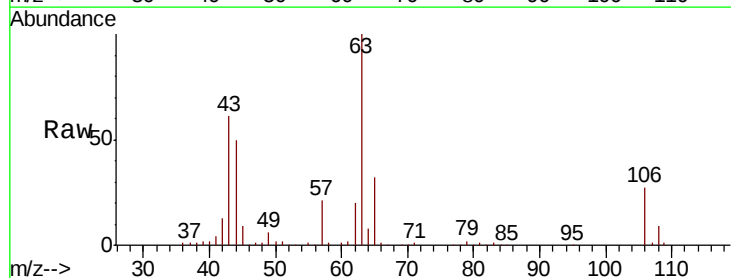
Acq: 20 Jun 2019 11:55

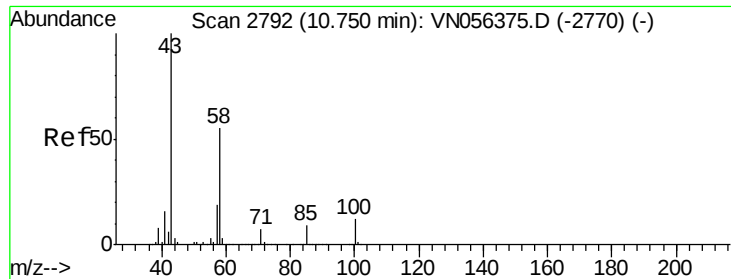
Tgt Ion: 63 Resp: 181863

Ion Ratio Lower Upper

63 100

106 26.9 21.6 32.4

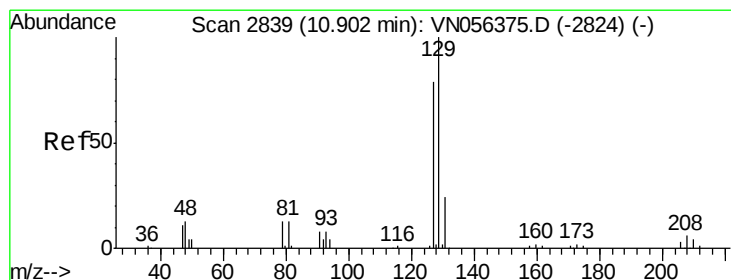
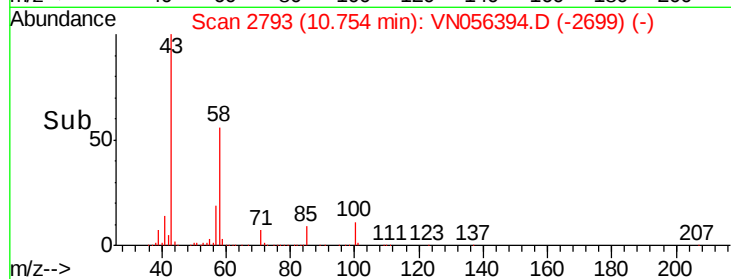
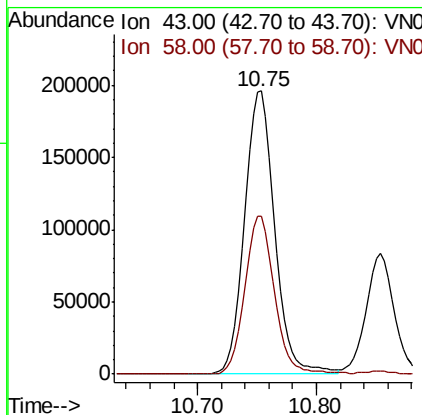
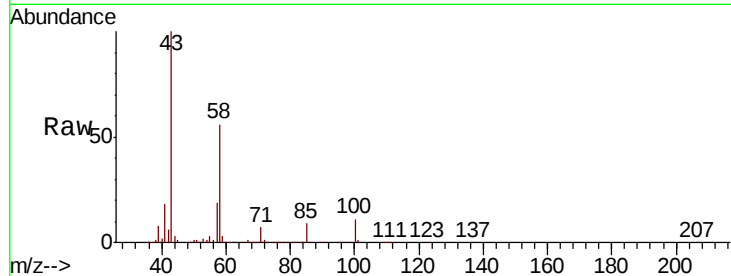




#59
2-Hexanone
Concen: 94.553 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN056394.D
Acq: 20 Jun 2019 11:55

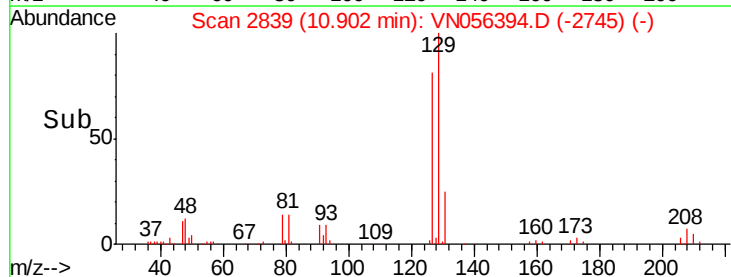
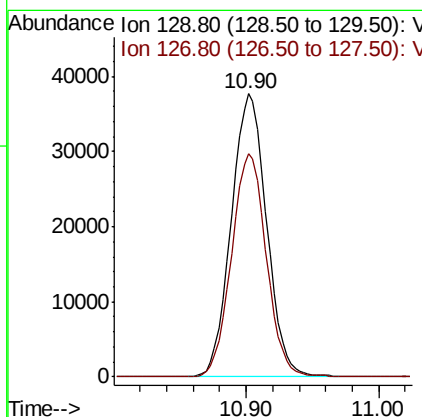
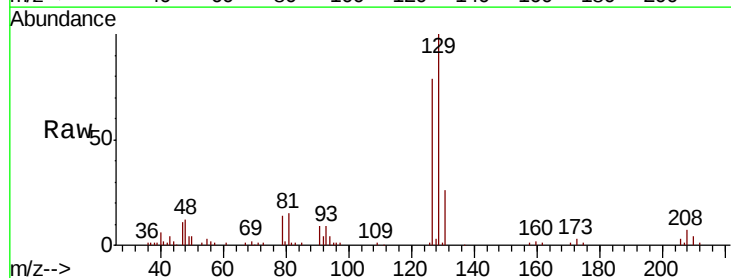
Instrument :
MSVOA_N
ClientSampled :

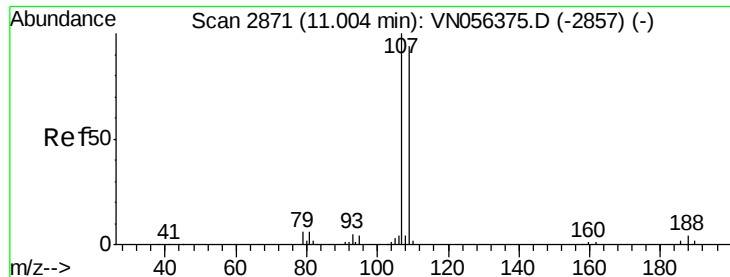
Tot Ion: 43 Resp: 341753
Ion Ratio Lower Upper
43 100
58 55.2 27.8 83.4



#60
Dibromochloromethane
Concen: 19.381 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056394.D
Acq: 20 Jun 2019 11:55

Tgt Ion: 129 Resp: 69733
Ion Ratio Lower Upper
129 100
127 77.7 38.9 116.7





#61

1,2-Dibromoethane

Concen: 20.169 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN056394.D

Acq: 20 Jun 2019 11:55

Instrument :

MSVOA_N

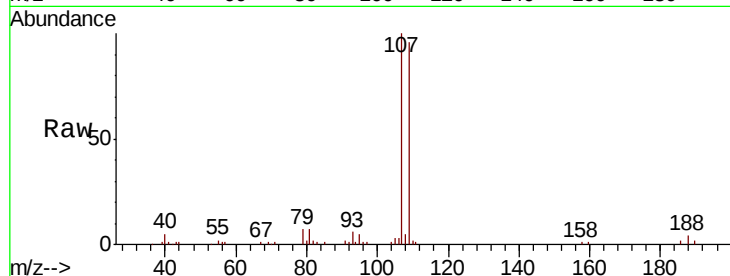
ClientSampleId :

Tot Ion:107 Resp: 78296

Ion Ratio Lower Upper

107 100

109 94.4 75.3 112.9

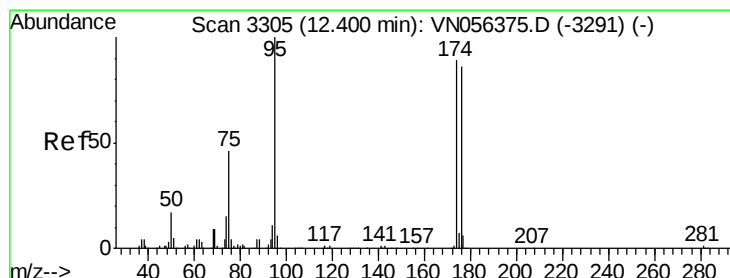
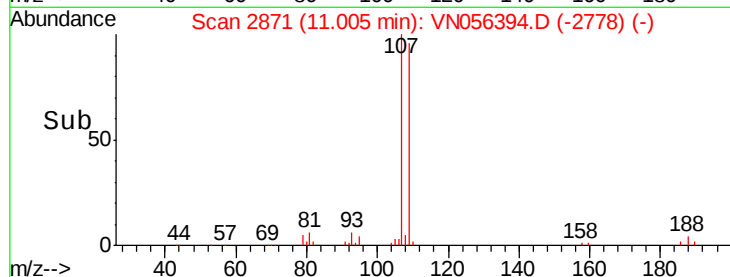


Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 47.797 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056394.D

Acq: 20 Jun 2019 11:55

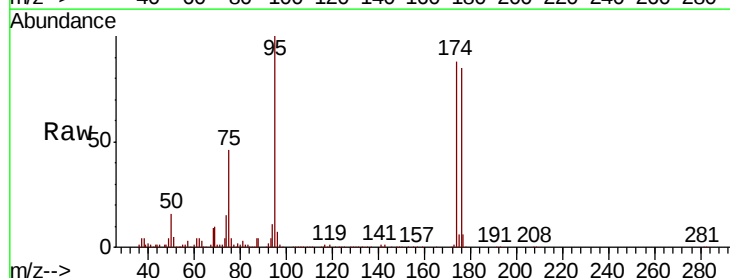
Tgt Ion: 95 Resp: 220941

Ion Ratio Lower Upper

95 100

174 89.6 0.0 179.4

176 87.4 0.0 173.4



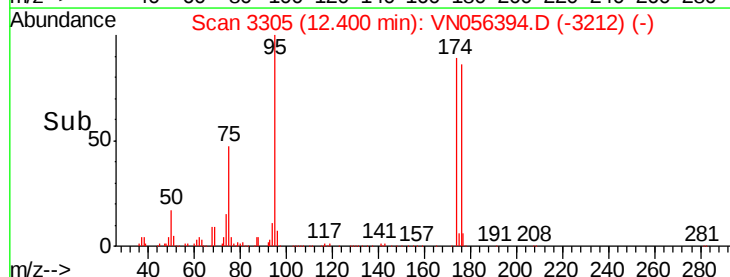
Abundance Ion 94.90 (94.60 to 95.60): V

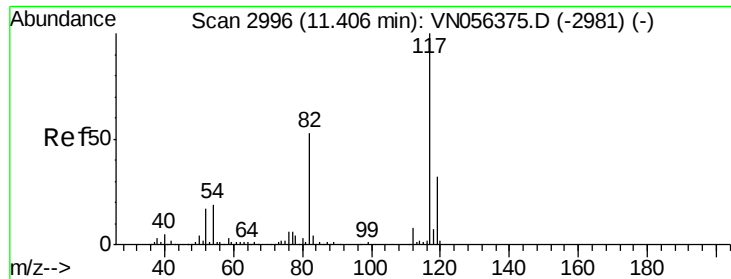
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

Time--> 12.30 12.40 12.50

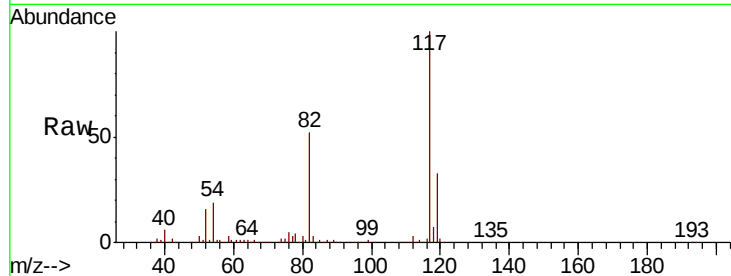




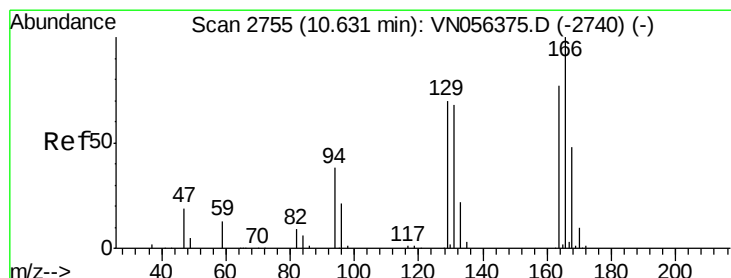
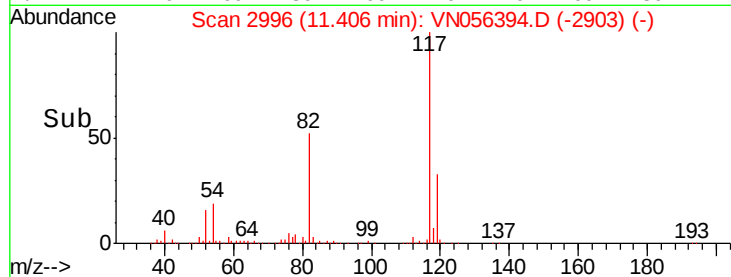
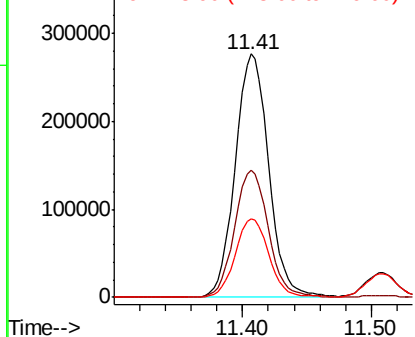
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056394.D
Acq: 20 Jun 2019 11:55

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 498886
Ion Ratio Lower Upper
117 100
82 52.4 42.0 63.0
119 32.5 25.3 37.9

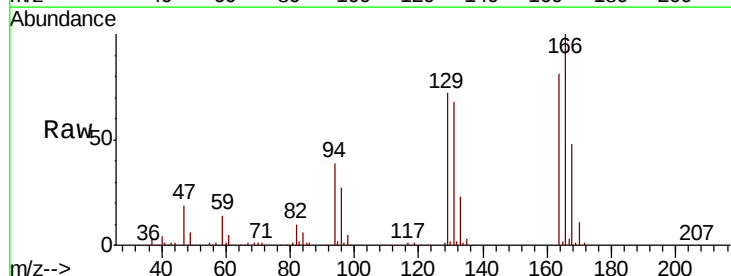


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

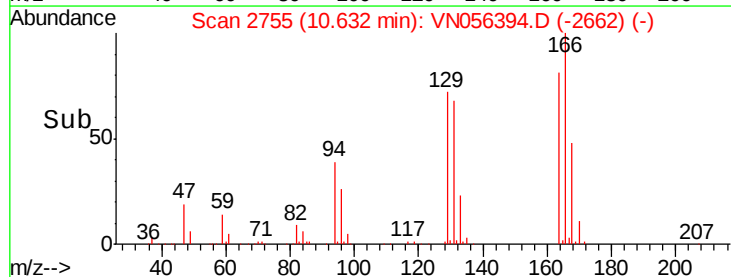
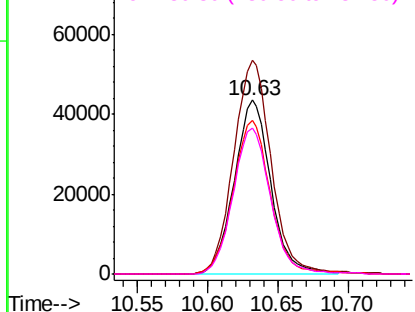


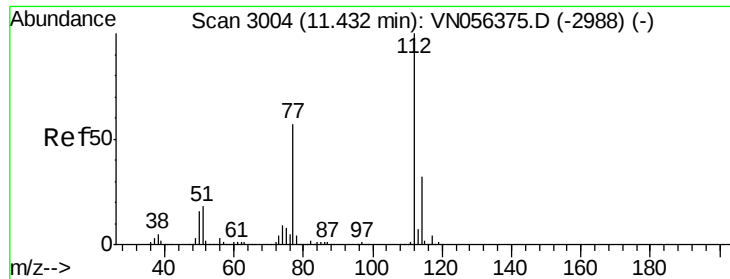
#64
Tetrachloroethene
Concen: 20.009 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN056394.D
Acq: 20 Jun 2019 11:55

Tgt Ion:164 Resp: 79052
Ion Ratio Lower Upper
164 100
166 122.9 103.4 155.0
129 88.4 72.0 108.0
131 84.0 70.2 105.2



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

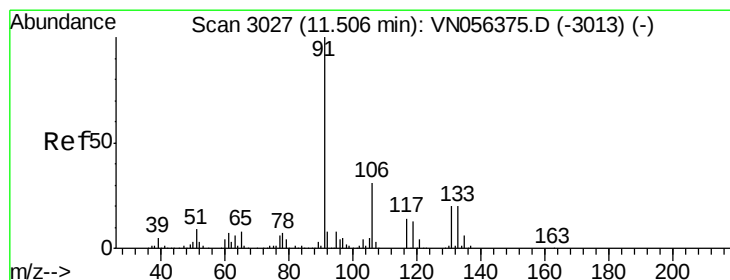
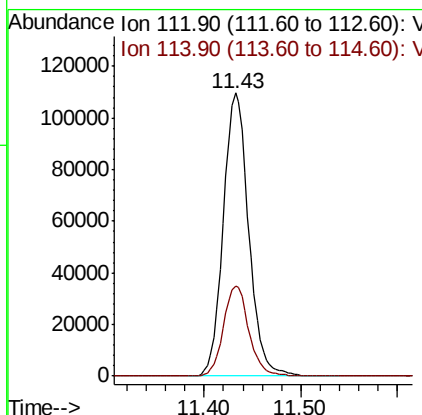
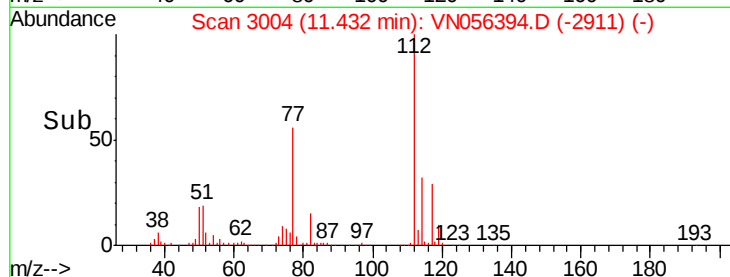
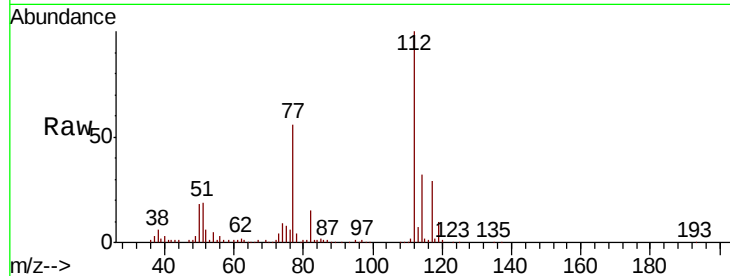




#65
Chlorobenzene
Concen: 19.956 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056394.D
Acq: 20 Jun 2019 11:55

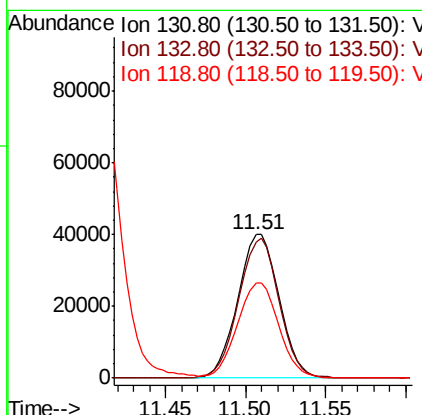
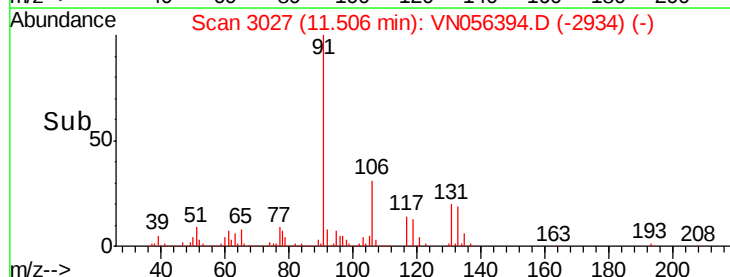
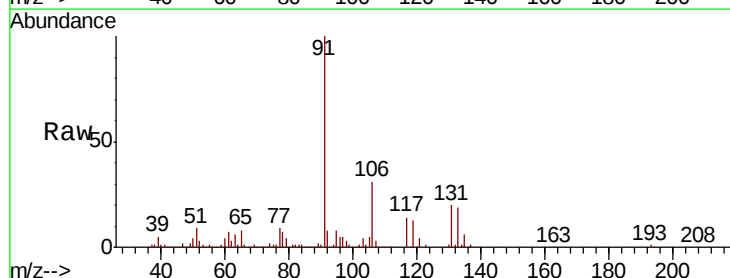
Instrument :
MSVOA_N
ClientSampled :

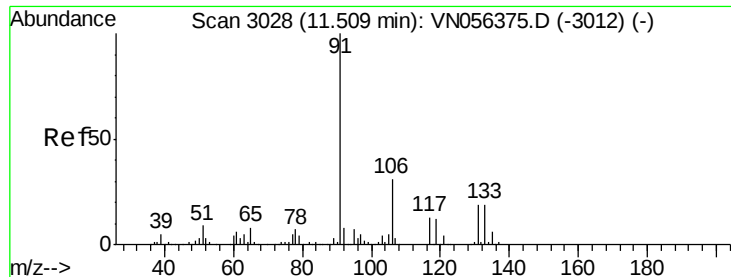
Tot Ion:112 Resp: 200046
Ion Ratio Lower Upper
112 100
114 31.9 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 20.784 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN056394.D
Acq: 20 Jun 2019 11:55

Tgt Ion:131 Resp: 70415
Ion Ratio Lower Upper
131 100
133 95.7 47.4 142.2
119 66.7 32.8 98.4

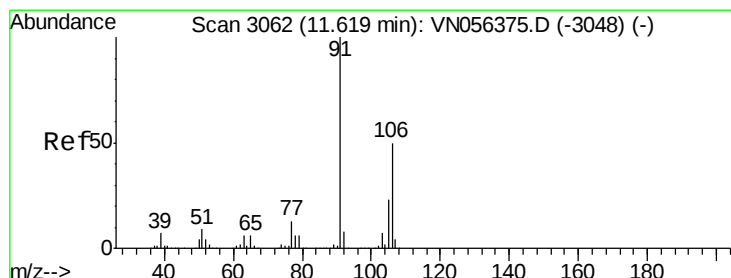
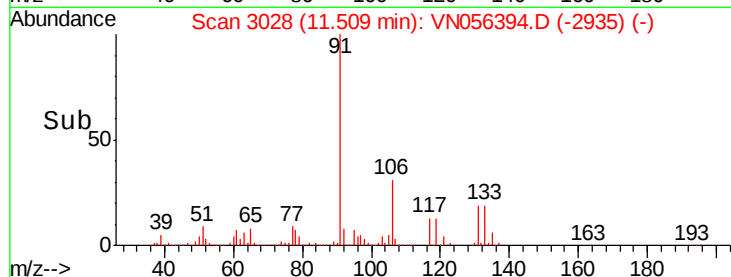
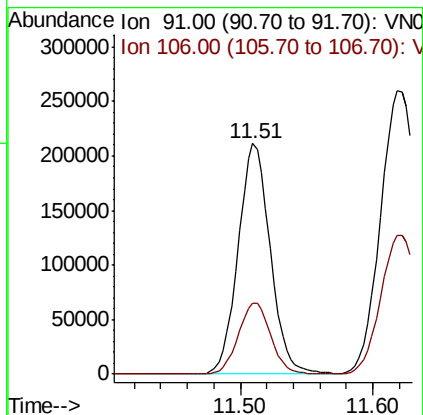
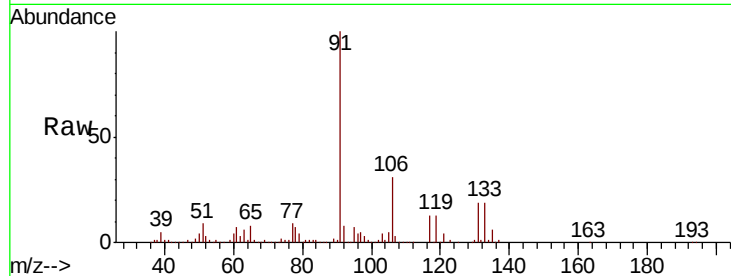




#67
Ethyl Benzene
Concen: 20.152 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056394.D
Acq: 20 Jun 2019 11:55

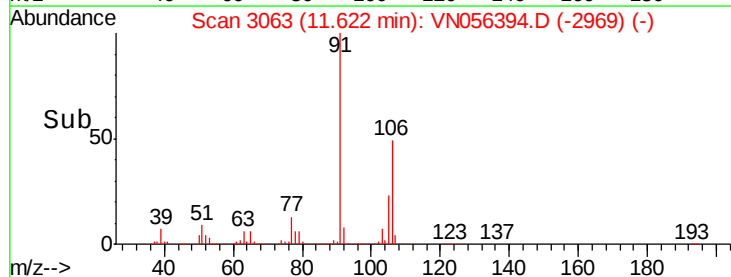
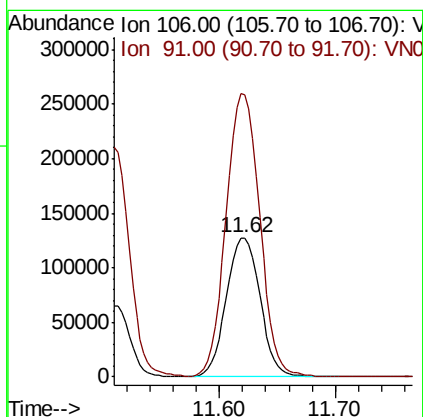
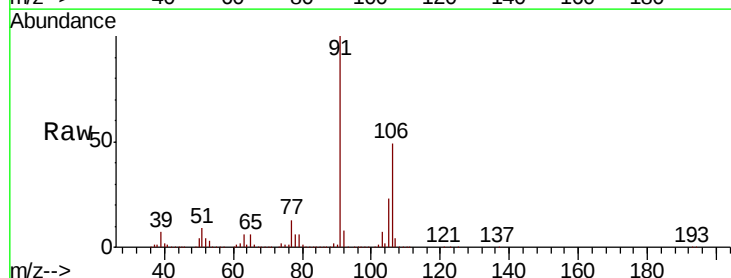
Instrument :
MSVOA_N
ClientSampled :

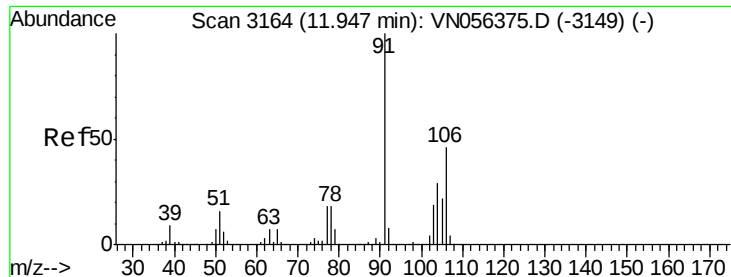
Tot Ion: 91 Resp: 354702
Ion Ratio Lower Upper
91 100
106 30.8 25.1 37.7



#68
m/p-Xylenes
Concen: 39.999 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN056394.D
Acq: 20 Jun 2019 11:55

Tgt Ion: 106 Resp: 258017
Ion Ratio Lower Upper
106 100
91 201.7 160.1 240.1

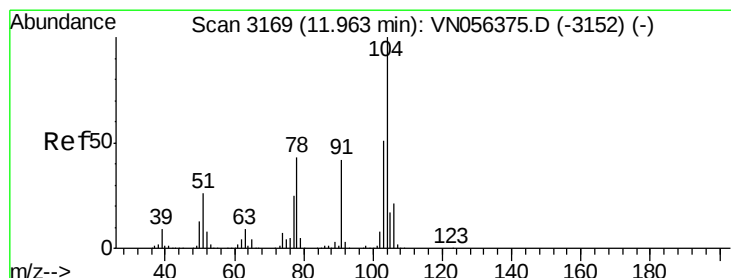
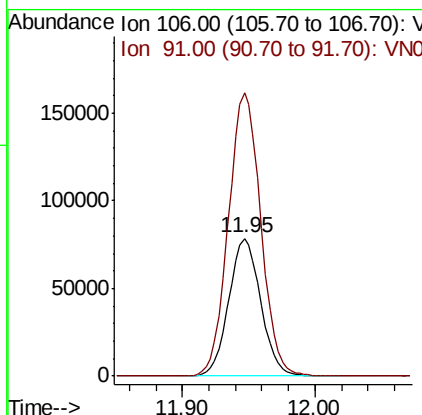
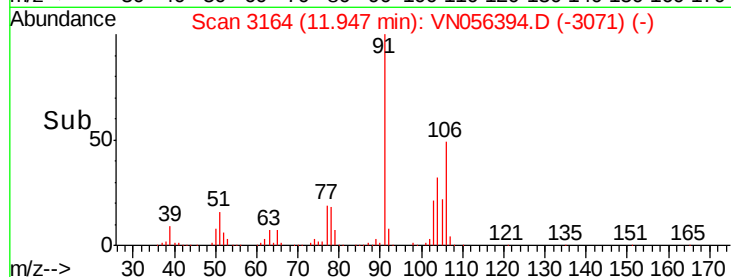
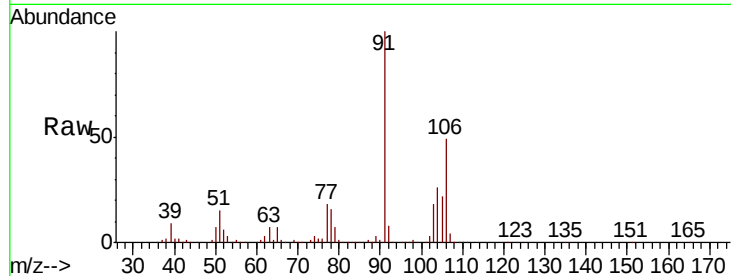




#69
o-Xylene
Concen: 20.592 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056394.D
Acq: 20 Jun 2019 11:55

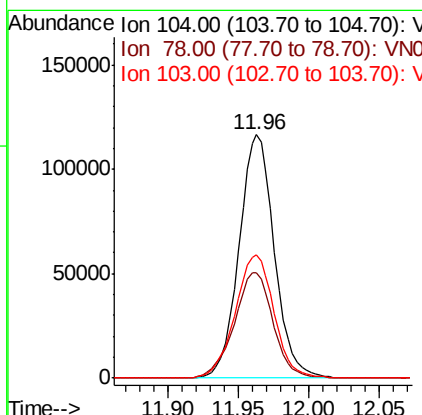
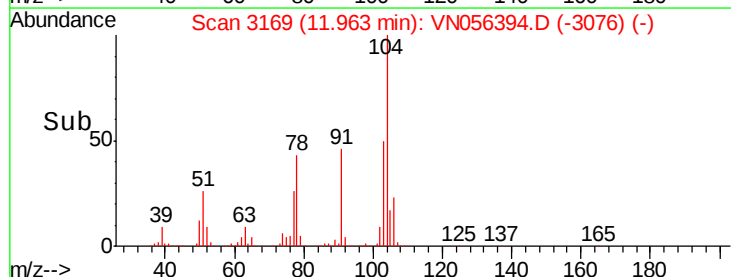
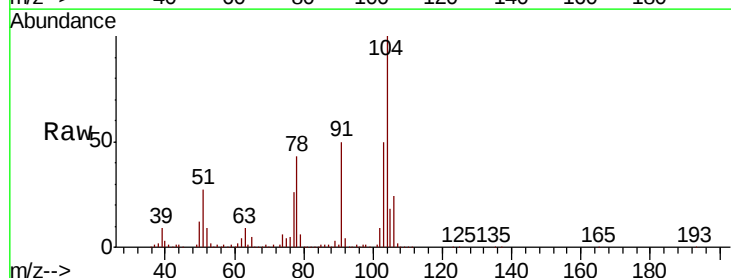
Instrument :
MSVOA_N
ClientSampled :

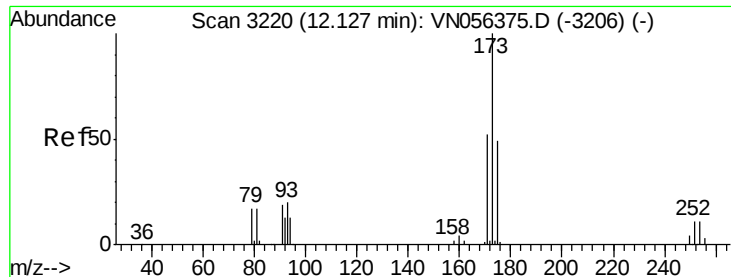
Tot Ion:106 Resp: 131412
Ion Ratio Lower Upper
106 100
91 207.4 107.1 321.3



#70
Styrene
Concen: 20.018 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056394.D
Acq: 20 Jun 2019 11:55

Tgt Ion:104 Resp: 204197
Ion Ratio Lower Upper
104 100
78 47.7 38.6 57.8
103 55.6 43.9 65.9





#71

Bromoform

Concen: 18.738 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN056394.D

Acq: 20 Jun 2019 11:55

Instrument :

MSVOA_N

ClientSampleId :

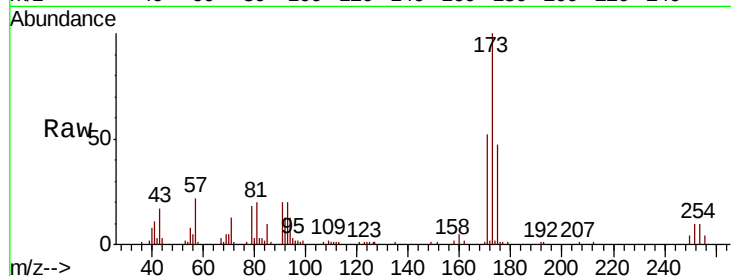
Tot Ion:173 Resp: 45485

Ion Ratio Lower Upper

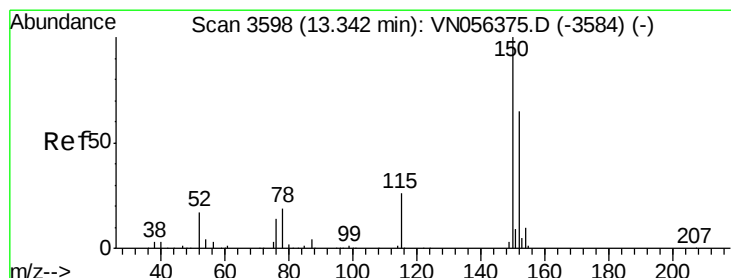
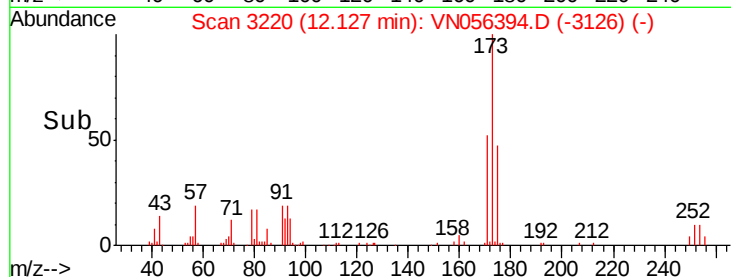
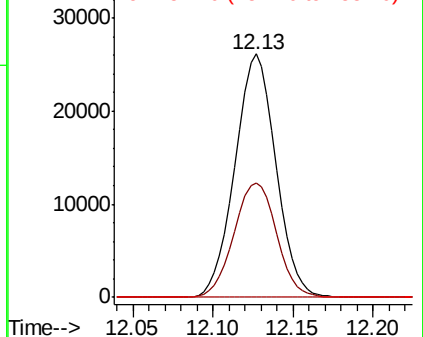
173 100

175 48.9 24.4 73.4

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN056394.D

Acq: 20 Jun 2019 11:55

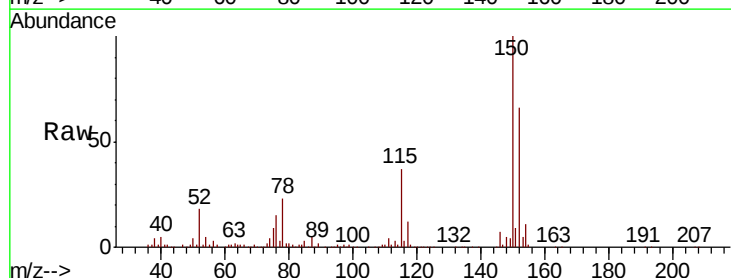
Tgt Ion:152 Resp: 181106

Ion Ratio Lower Upper

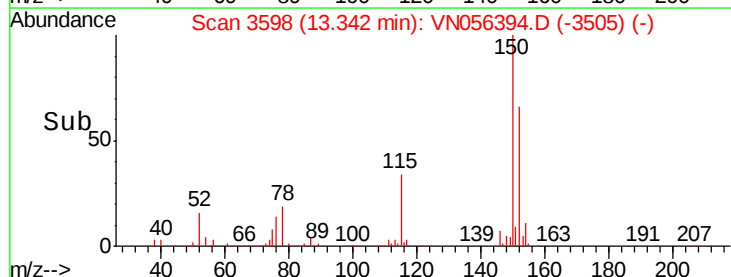
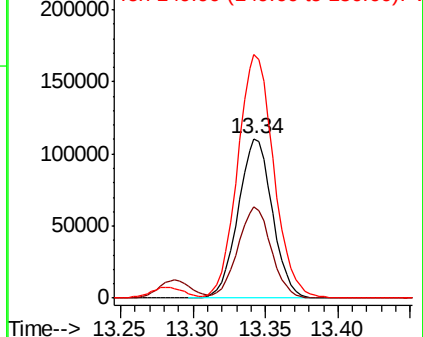
152 100

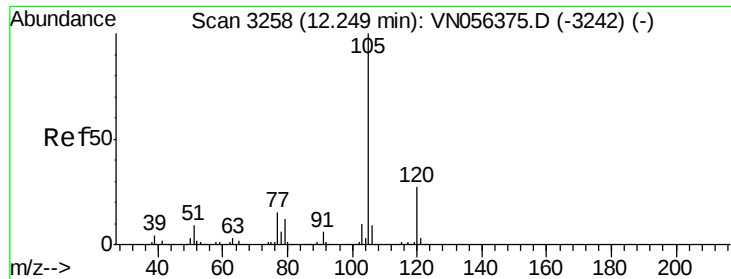
115 56.1 28.1 84.4

150 161.5 0.0 348.4



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

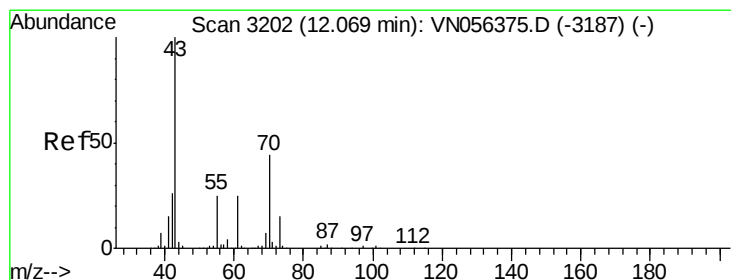
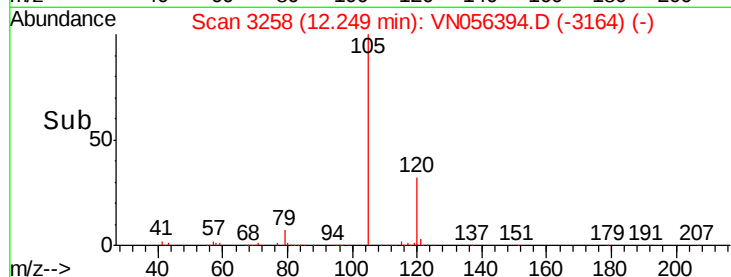
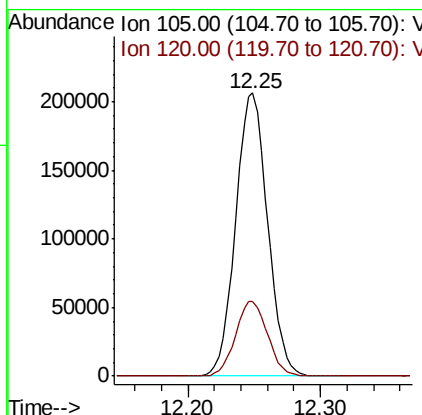
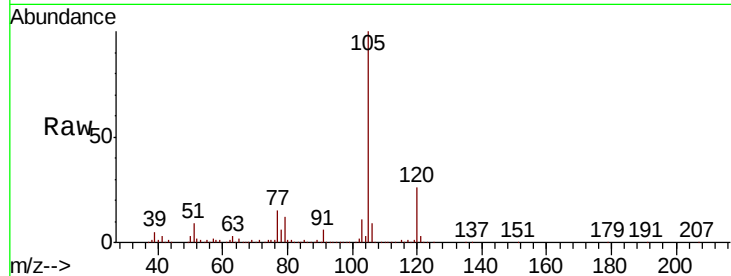




#73
Isopropylbenzene
Concen: 23.898 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN056394.D
Acq: 20 Jun 2019 11:55

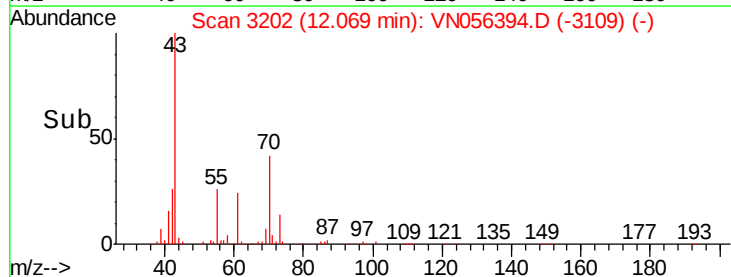
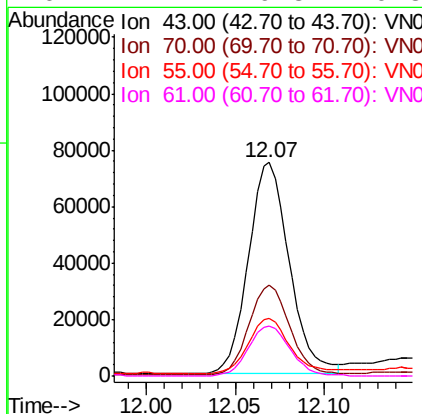
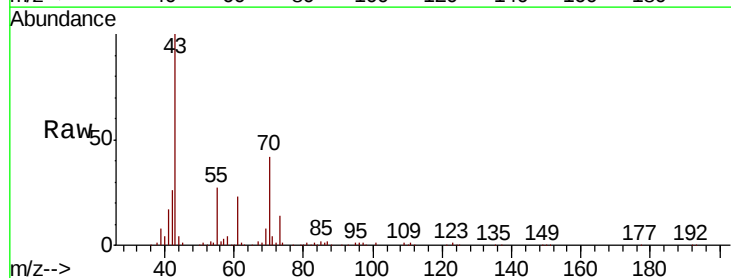
Instrument :
MSVOA_N
ClientSampleId :

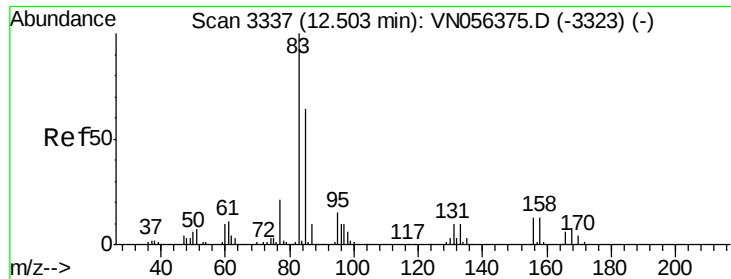
Tot Ion:105 Resp: 344169
Ion Ratio Lower Upper
105 100
120 26.5 13.4 40.2



#74
N-ethyl acetate
Concen: 20.874 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN056394.D
Acq: 20 Jun 2019 11:55

Tgt Ion: 43 Resp: 120317
Ion Ratio Lower Upper
43 100
70 43.0 34.9 52.3
55 26.0 20.4 30.6
61 24.1 19.8 29.8





#75

1,1,2,2-Tetrachloroethane

Concen: 22.985 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056394.D

Acq: 20 Jun 2019 11:55

Instrument :

MSVOA_N

ClientSampled :

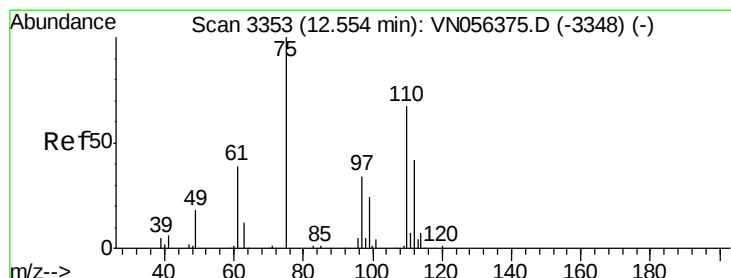
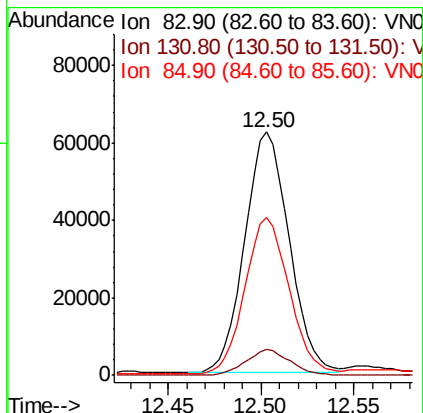
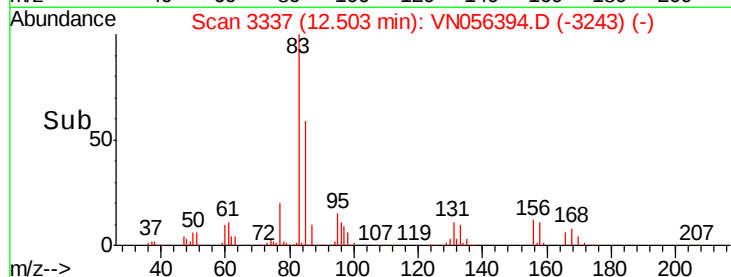
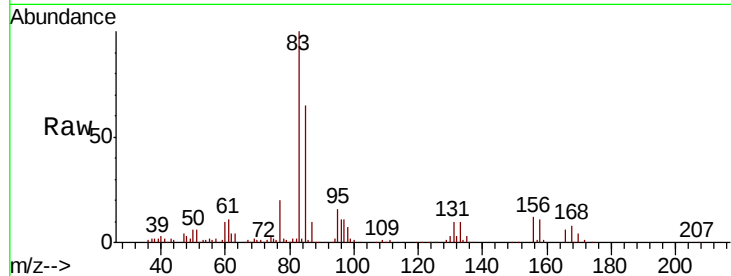
Tot Ion: 83 Resp: 103791

Ion Ratio Lower Upper

83 100

131 10.7 5.3 15.8

85 64.6 32.4 97.0



#76

1,2,3-Trichloropropane

Concen: 31.198 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN056394.D

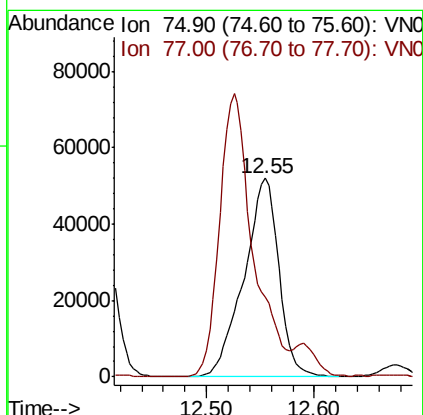
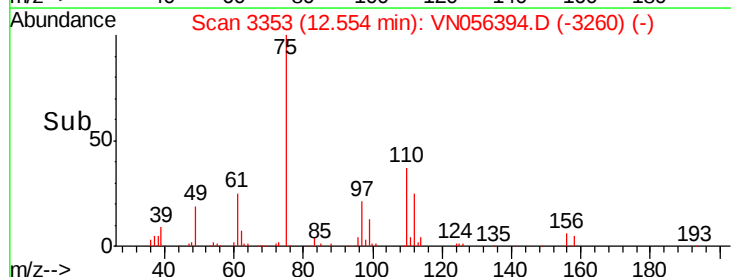
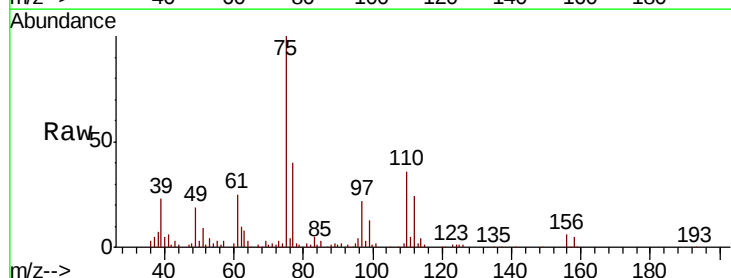
Acq: 20 Jun 2019 11:55

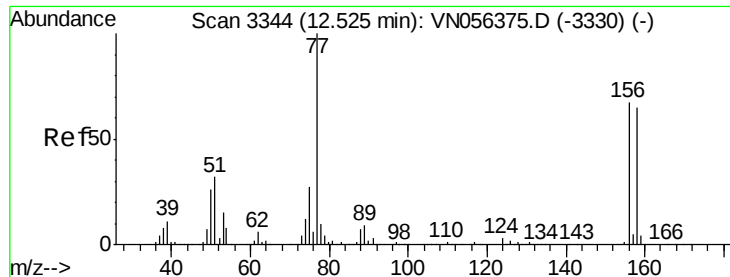
Tgt Ion: 75 Resp: 117157

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 20.928 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056394.D

Acq: 20 Jun 2019 11:55

Instrument :

MSVOA_N

ClientSampled :

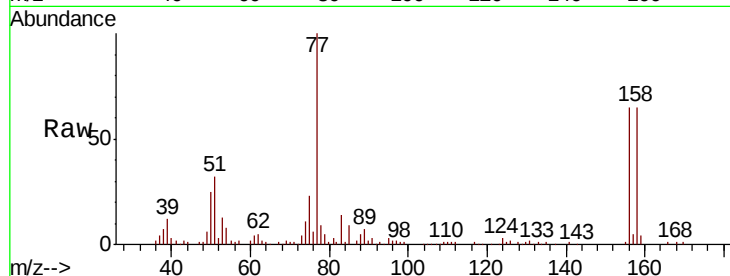
Tot Ion:156 Resp: 84747

Ion Ratio Lower Upper

156 100

77 188.0 92.5 277.3

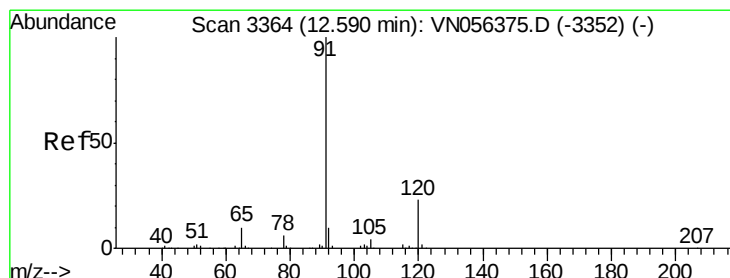
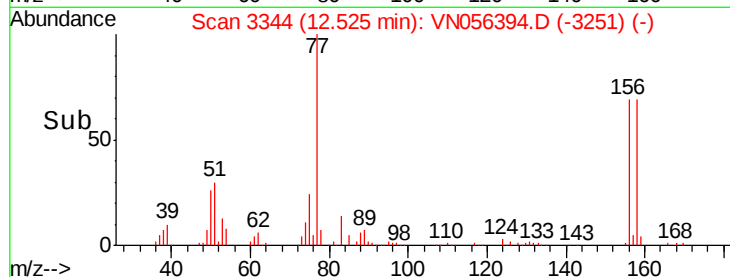
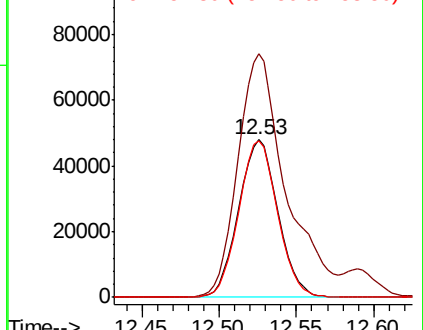
158 98.0 48.7 146.1



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: 21.383 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056394.D

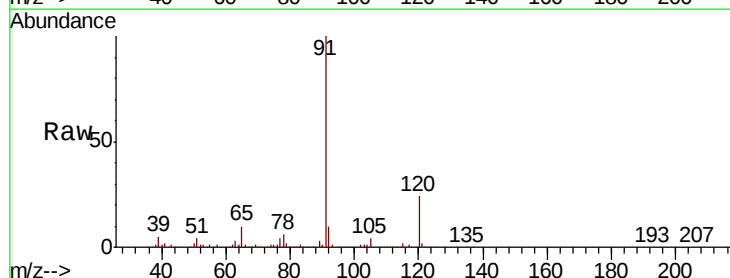
Acq: 20 Jun 2019 11:55

Tgt Ion: 91 Resp: 354636

Ion Ratio Lower Upper

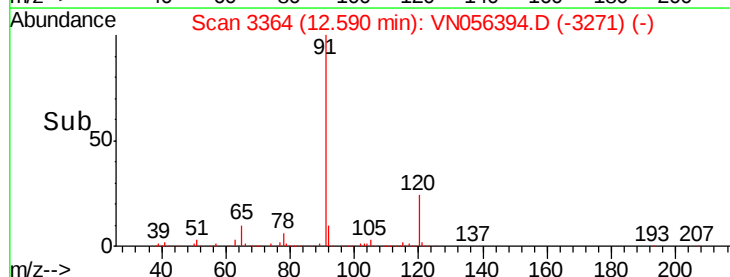
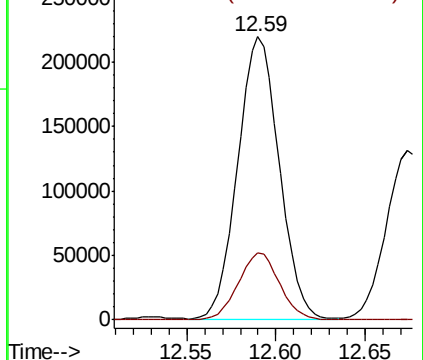
91 100

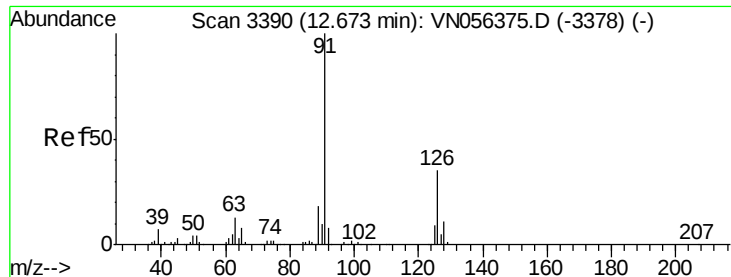
120 23.6 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.859 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056394.D

Acq: 20 Jun 2019 11:55

Instrument :

MSVOA_N

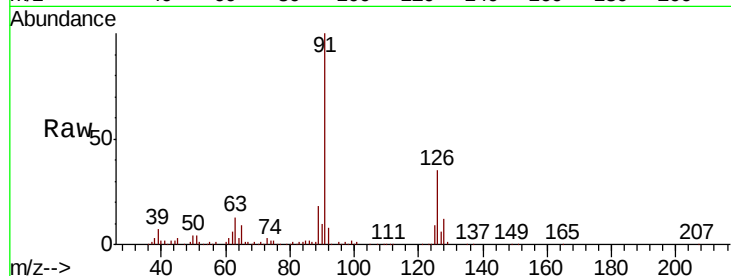
ClientSampled :

Tot Ion: 91 Resp: 220371

Ion Ratio Lower Upper

91 100

126 35.7 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VN056375.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN056375.D (-3378) (-)

200000

150000

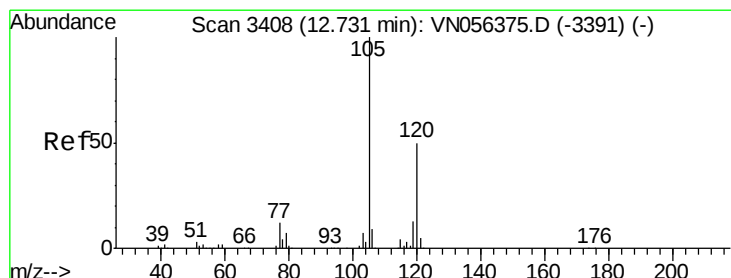
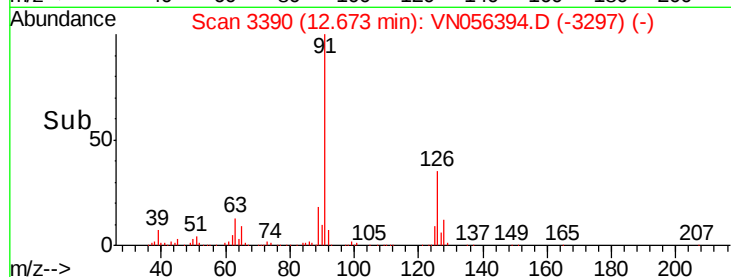
100000

50000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 23.114 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056394.D

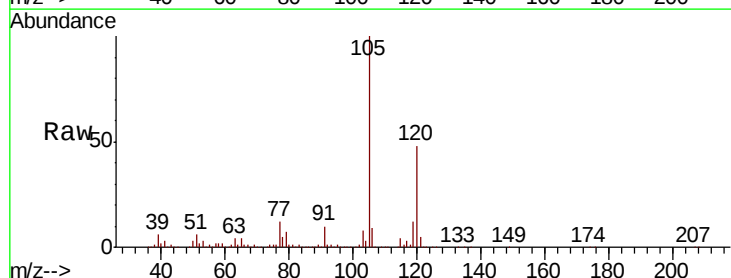
Acq: 20 Jun 2019 11:55

Tgt Ion: 105 Resp: 277298

Ion Ratio Lower Upper

105 100

120 48.2 24.8 74.4



Abundance Ion 105.00 (104.70 to 105.70): VN056375.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN056375.D (-3391) (-)

200000

150000

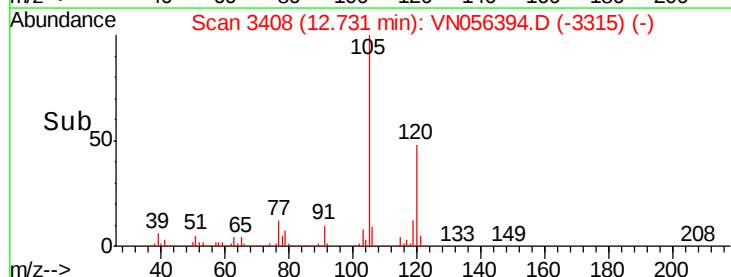
100000

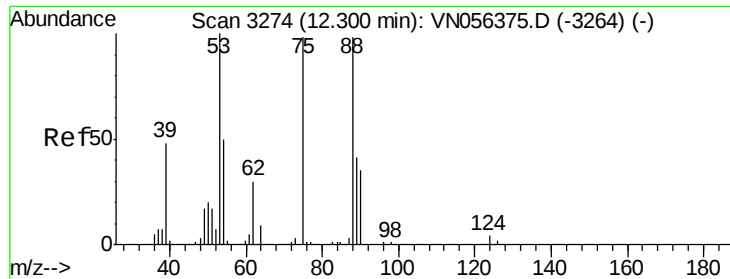
50000

0

12.70 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 20.209 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN056394.D

Acq: 20 Jun 2019 11:55

Instrument :

MSVOA_N

ClientSampleId :

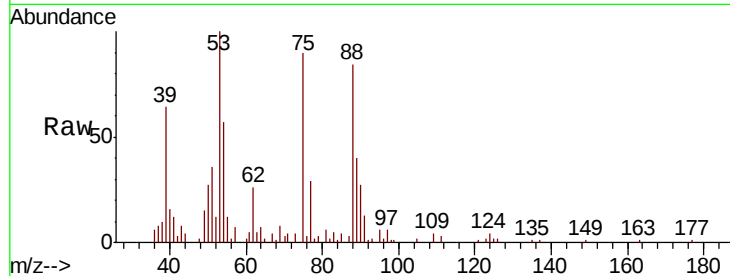
Tot Ion: 75 Resp: 21353

Ion Ratio Lower Upper

75 100

53 108.5 83.9 125.9

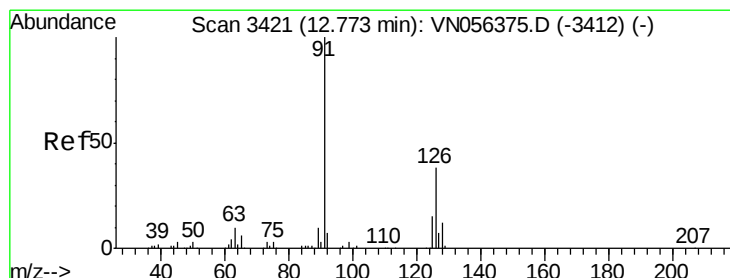
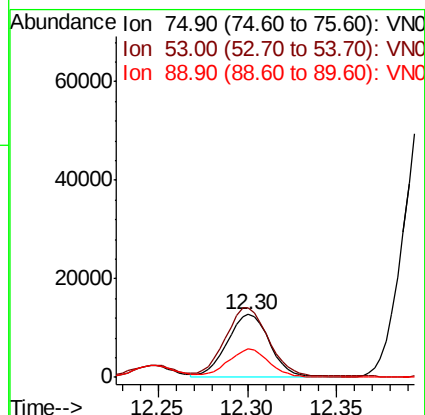
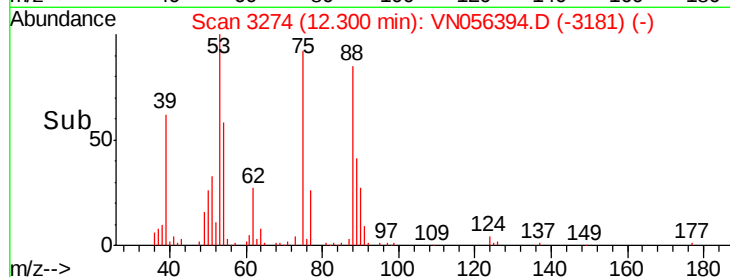
89 43.9 35.0 52.6



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 20.178 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN056394.D

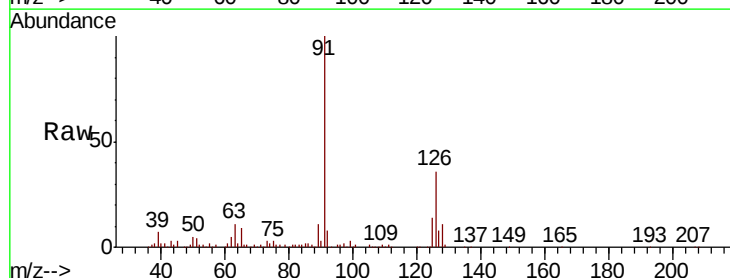
Acq: 20 Jun 2019 11:55

Tgt Ion: 91 Resp: 197588

Ion Ratio Lower Upper

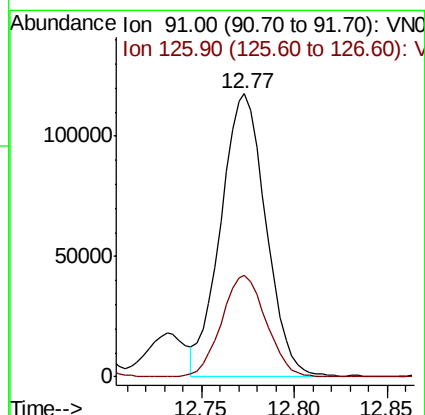
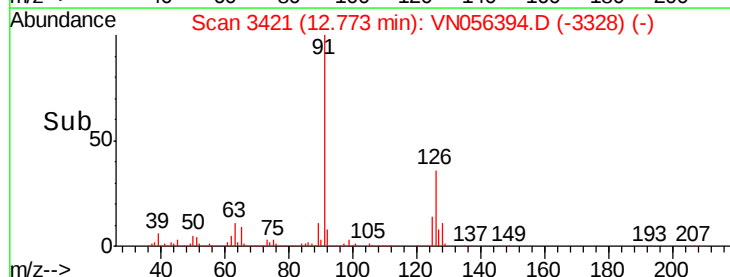
91 100

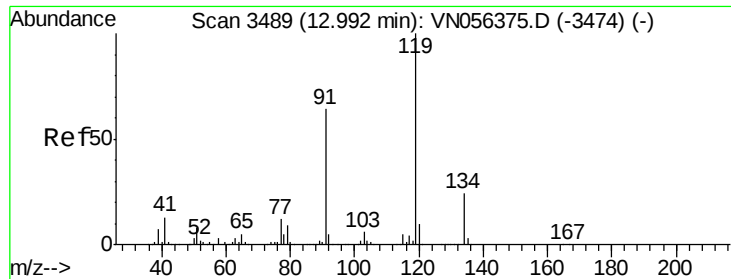
126 35.8 17.3 52.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

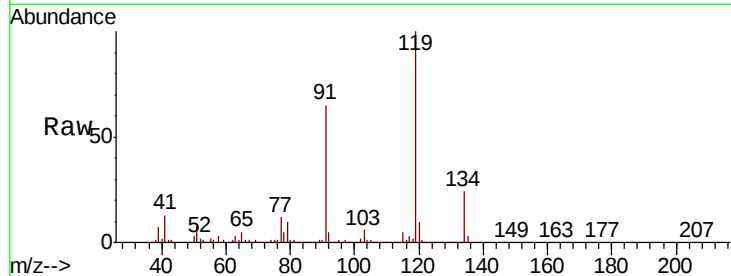




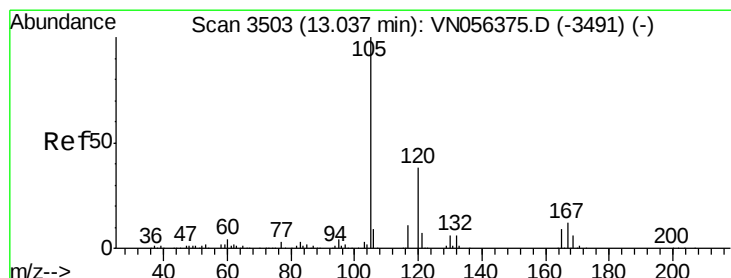
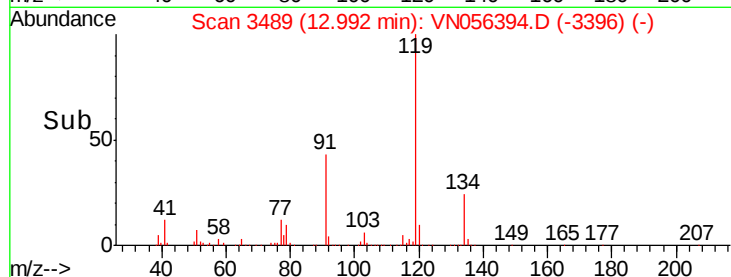
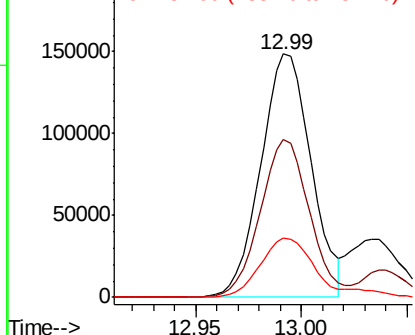
#83
tert-Butylbenzene
Concen: 23.417 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN056394.D
Acq: 20 Jun 2019 11:55

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:119 Resp: 247141
Ion Ratio Lower Upper
119 100
91 62.6 31.6 94.7
134 27.6 13.2 39.5

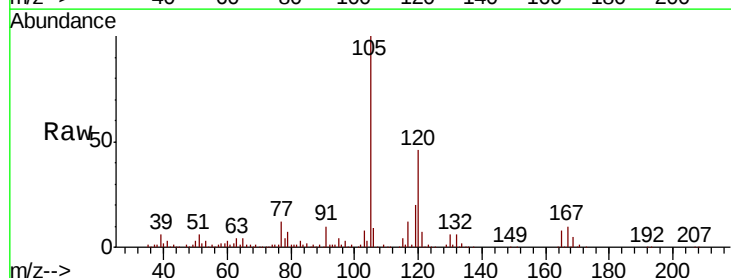


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

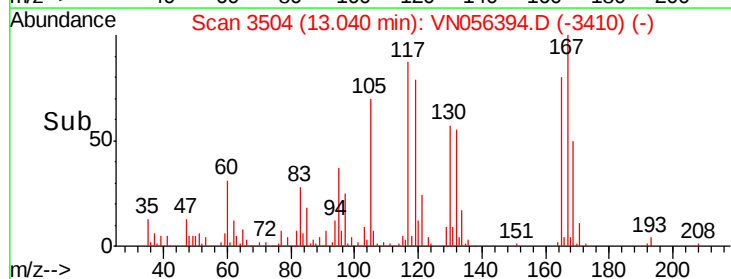
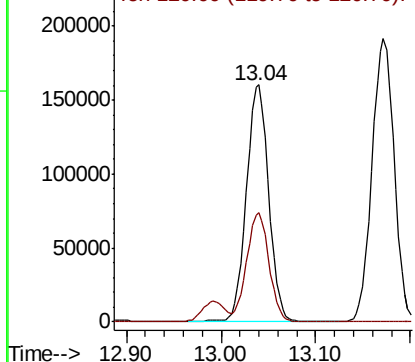


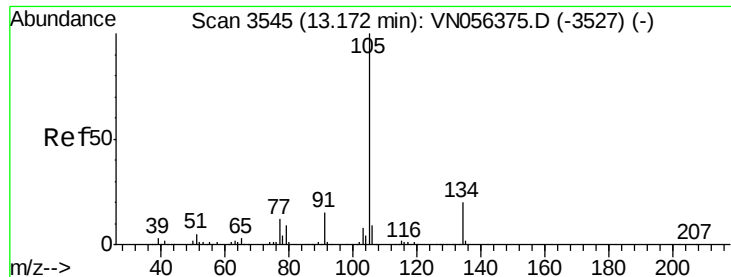
#84
1,2,4-Trimethylbenzene
Concen: 21.411 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN056394.D
Acq: 20 Jun 2019 11:55

Tgt Ion:105 Resp: 261042
Ion Ratio Lower Upper
105 100
120 46.2 22.9 68.8



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





#85

sec-Butylbenzene

Concen: 21.312 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN056394.D

Acq: 20 Jun 2019 11:55

Instrument :

MSVOA_N

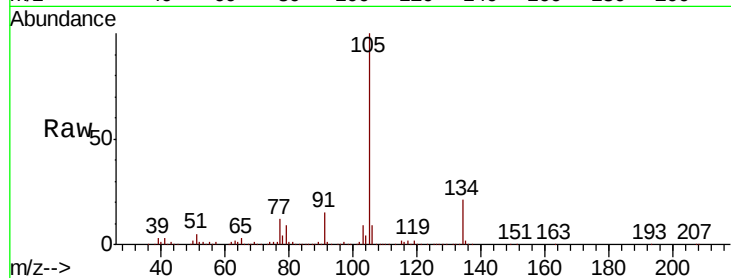
ClientSampleId :

Tot Ion:105 Resp: 310669

Ion Ratio Lower Upper

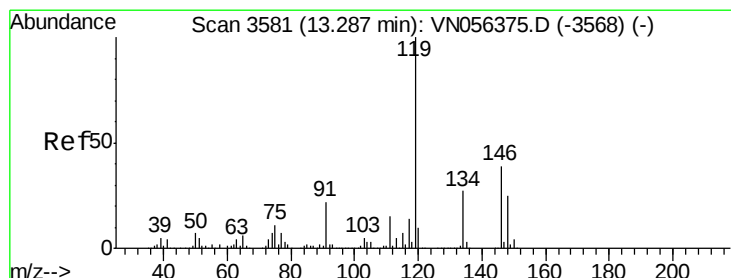
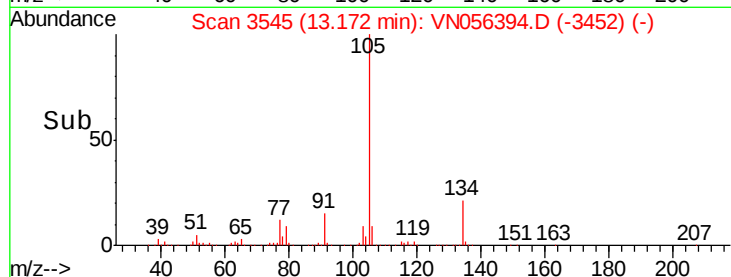
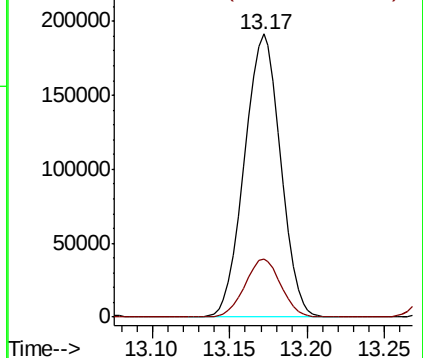
105 100

134 20.5 10.2 30.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.465 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056394.D

Acq: 20 Jun 2019 11:55

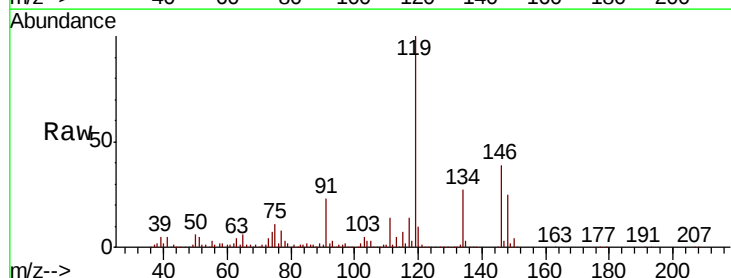
Tgt Ion:119 Resp: 268537

Ion Ratio Lower Upper

119 100

134 27.0 13.5 40.4

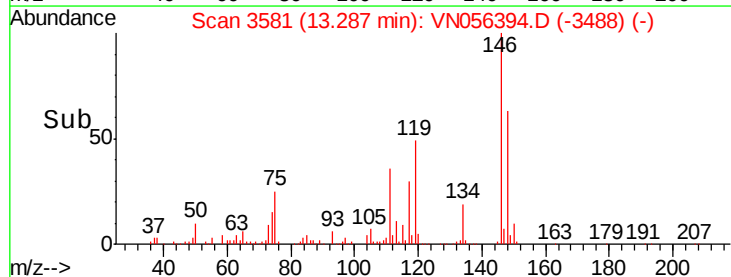
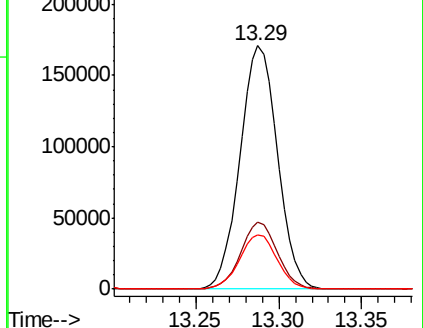
91 22.1 11.2 33.5

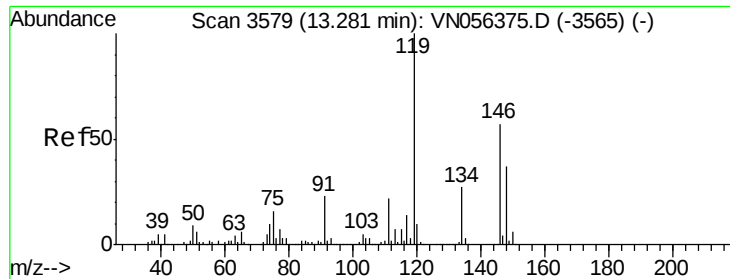


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

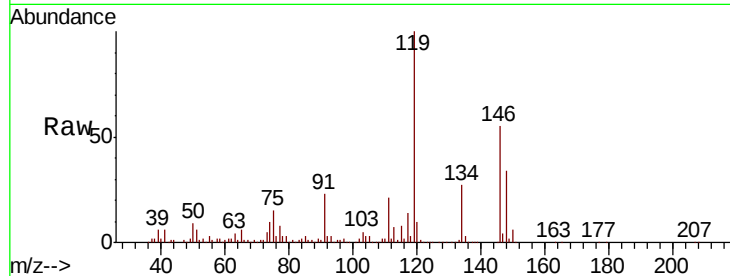




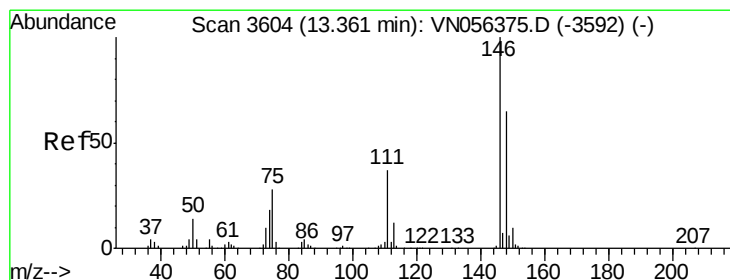
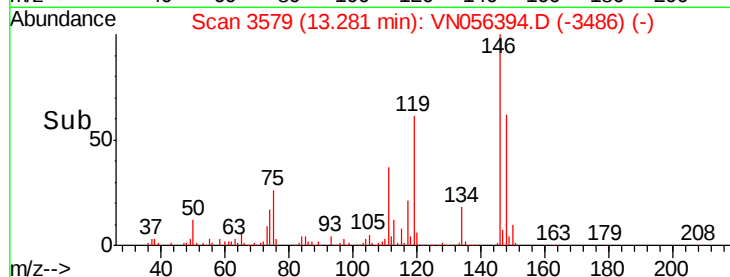
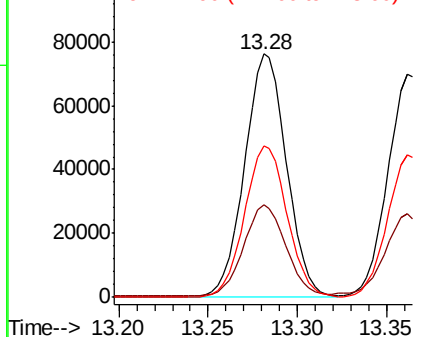
#87
 1,3-Dichlorobenzene
 Concen: 20.354 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056394.D
 Acq: 20 Jun 2019 11:55

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:146 Resp: 124910
 Ion Ratio Lower Upper
 146 100
 111 37.9 18.9 56.9
 148 63.3 32.1 96.5

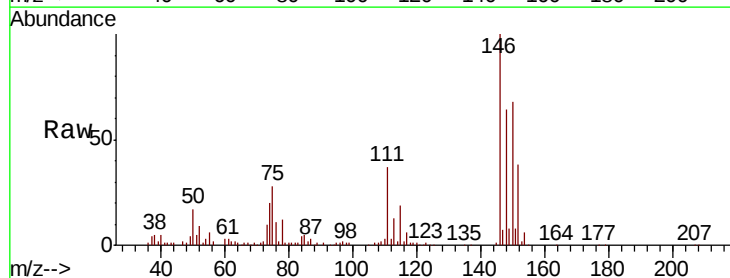


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

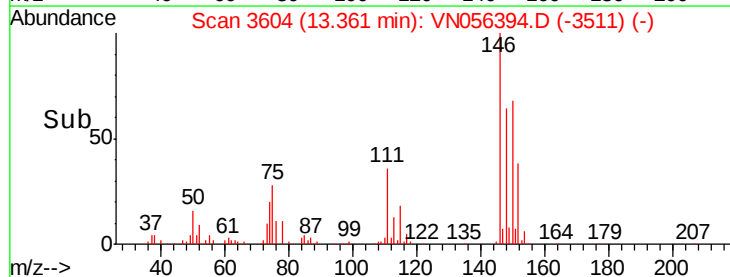
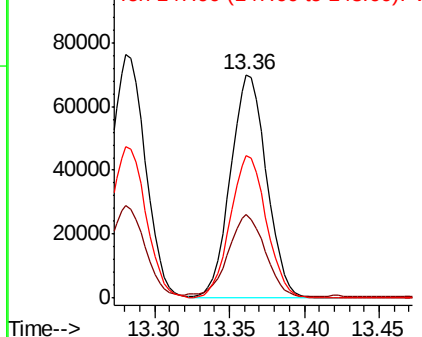


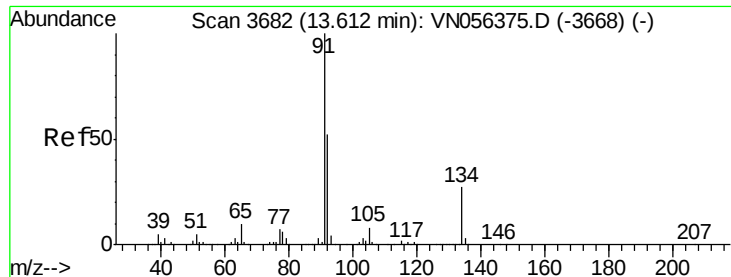
#88
 1,4-Dichlorobenzene
 Concen: 19.723 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056394.D
 Acq: 20 Jun 2019 11:55

Tgt Ion:146 Resp: 117221
 Ion Ratio Lower Upper
 146 100
 111 37.5 18.4 55.4
 148 64.0 32.4 97.0



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





#89

n-Butylbenzene

Concen: 19.715 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN056394.D

Acq: 20 Jun 2019 11:55

Instrument :

MSVOA_N

ClientSampled :

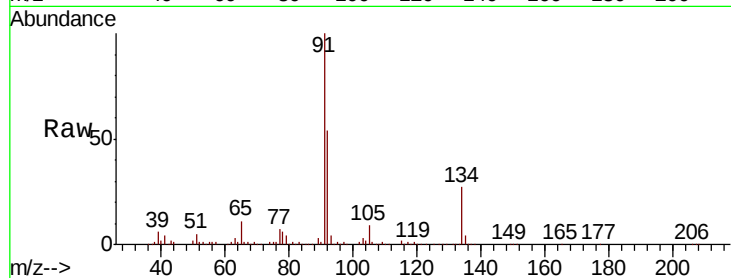
Tot Ion: 91 Resp: 186713

Ion Ratio Lower Upper

91 100

92 53.8 26.2 78.5

134 27.5 13.4 40.2



Abundance Ion 91.00 (90.70 to 91.70): VN056375.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN056375.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN056375.D (-3668) (-)

13.61

150000

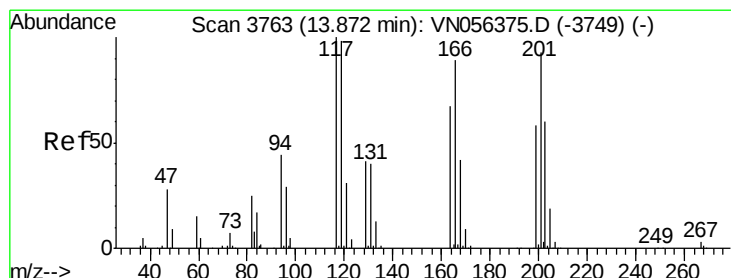
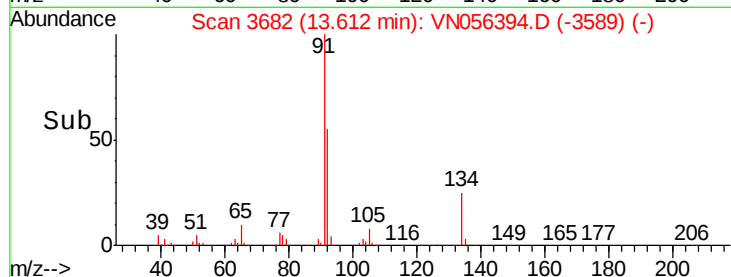
100000

50000

0

13.60 13.70

Time-->



#90

Hexachloroethane

Concen: 20.128 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN056394.D

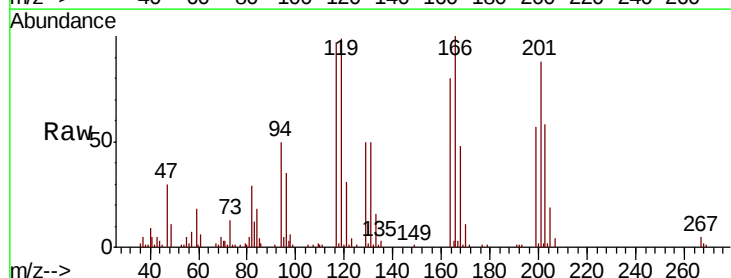
Acq: 20 Jun 2019 11:55

Tgt Ion: 117 Resp: 39258

Ion Ratio Lower Upper

117 100

201 91.3 45.9 137.6



Abundance Ion 116.80 (116.50 to 117.50): VN056375.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN056375.D (-3749) (-)

13.87

25000

20000

15000

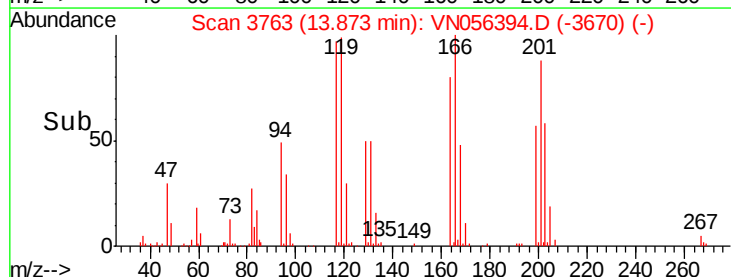
10000

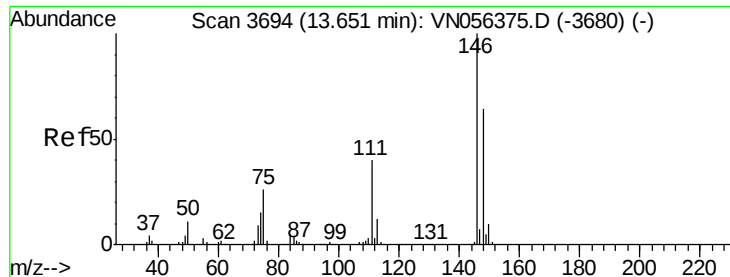
5000

0

13.80 13.85 13.90

Time-->

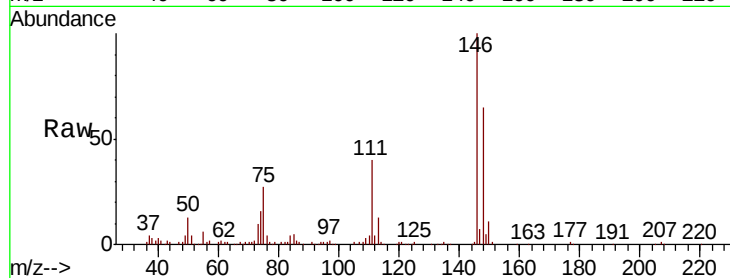




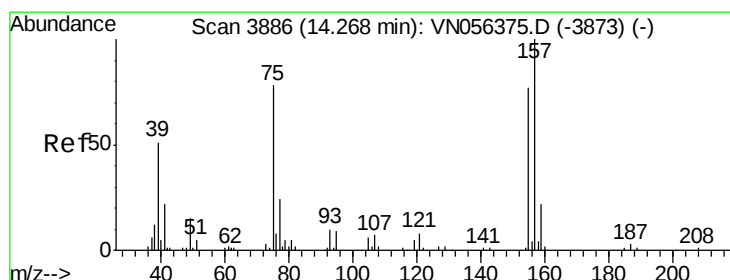
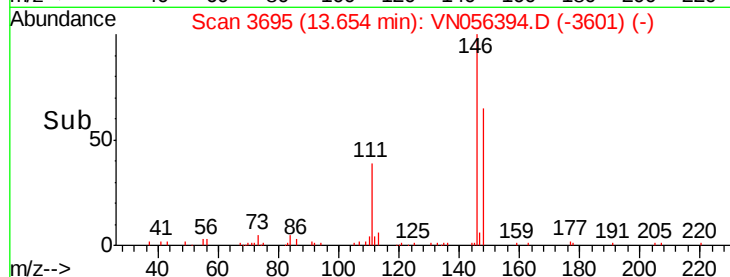
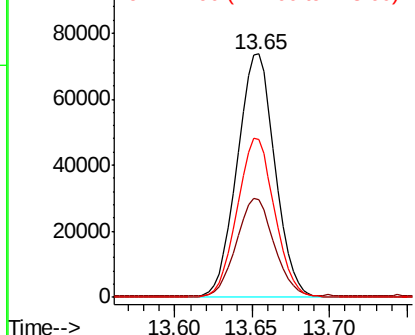
#91
 1,2-Dichlorobenzene
 Concen: 20.574 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN056394.D
 Acq: 20 Jun 2019 11:55

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.3	57.9
148	64.6	32.0	96.0

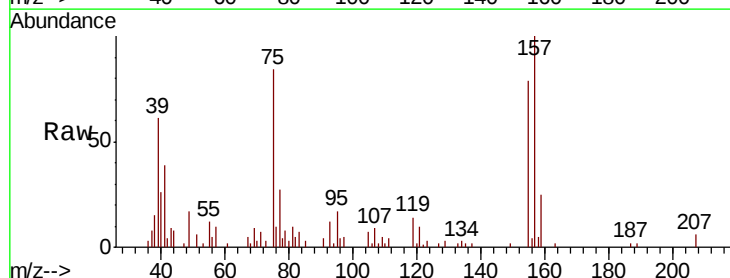


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

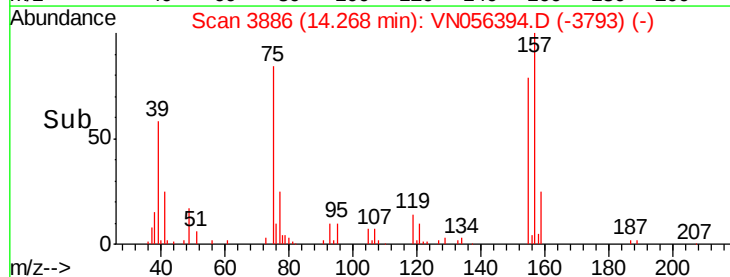
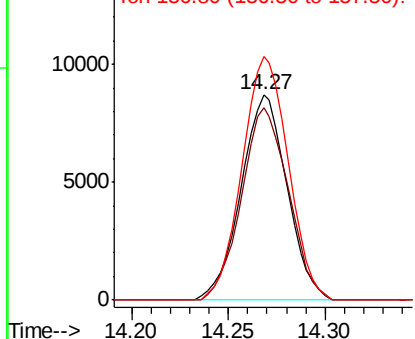


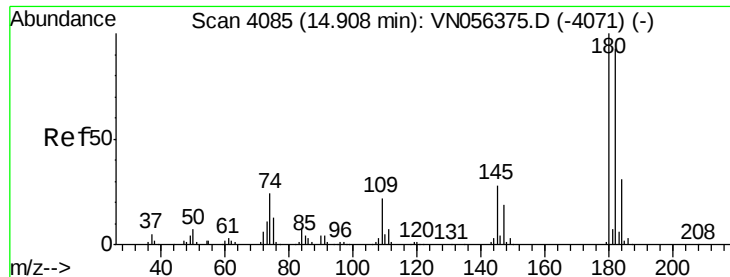
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.525 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN056394.D
 Acq: 20 Jun 2019 11:55

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.4	48.9	146.8
157	119.1	62.9	188.8



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

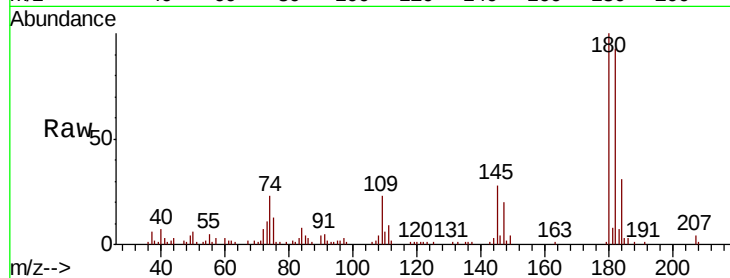




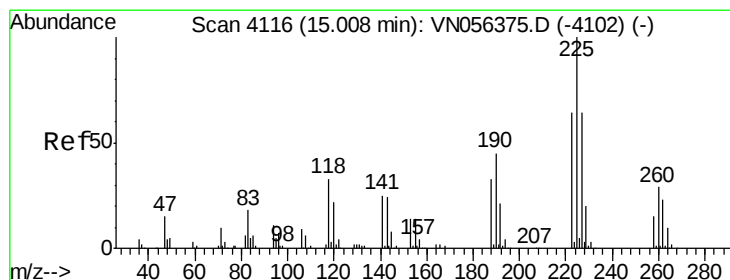
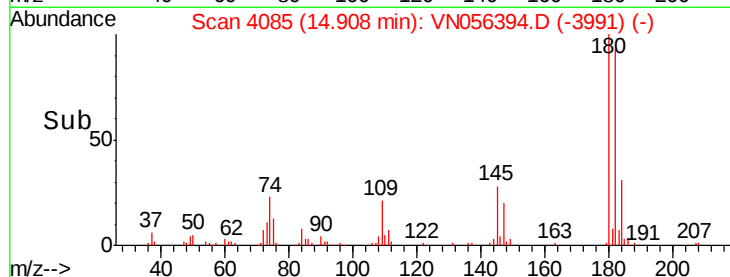
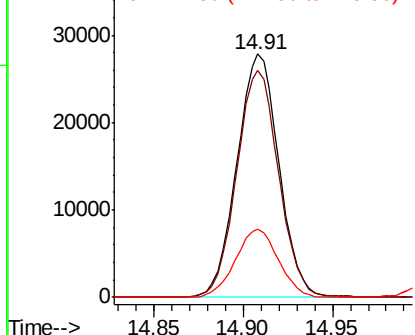
#93
 1,2,4-Trichlorobenzene
 Concen: 18.400 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056394.D
 Acq: 20 Jun 2019 11:55

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:180 Resp: 45668
 Ion Ratio Lower Upper
 180 100
 182 93.7 46.9 140.6
 145 28.6 14.4 43.0

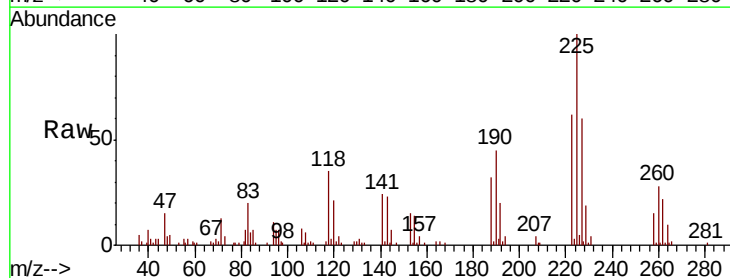


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

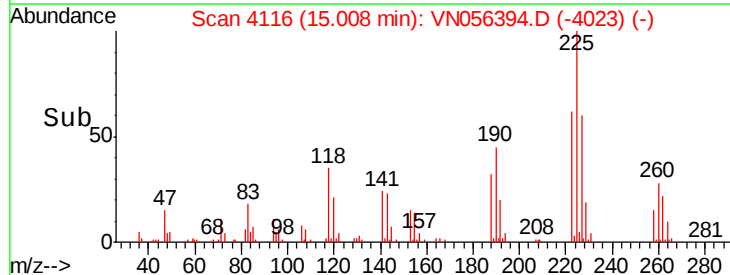
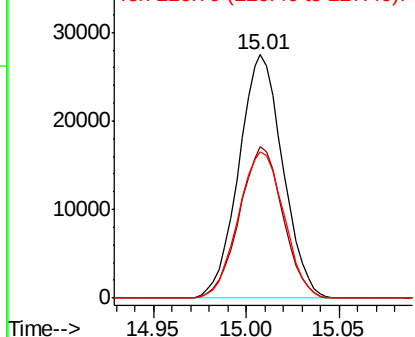


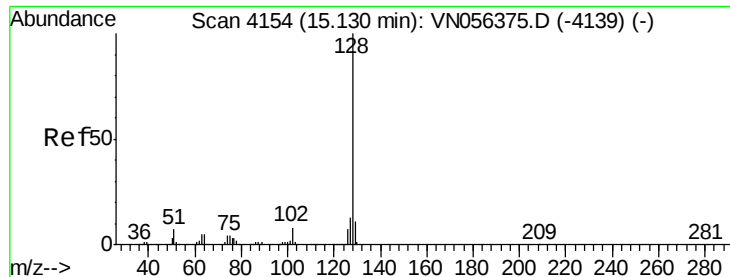
#94
 Hexachlorobutadiene
 Concen: 20.772 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056394.D
 Acq: 20 Jun 2019 11:55

Tgt Ion:225 Resp: 45126
 Ion Ratio Lower Upper
 225 100
 223 61.3 31.4 94.3
 227 62.1 32.1 96.3



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: 19.651 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056394.D

Acq: 20 Jun 2019 11:55

Instrument :

MSVOA_N

ClientSampleId :

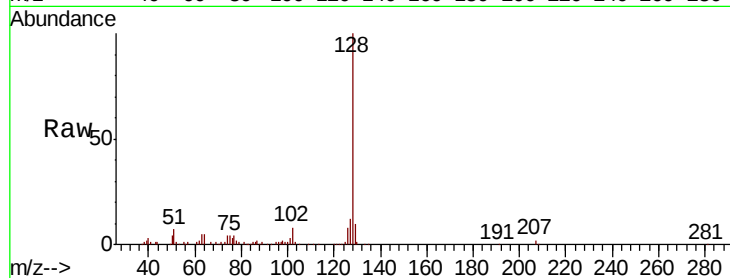
Tot Ion:128 Resp: 133368

Ion Ratio Lower Upper

128 100

127 12.5 10.2 15.2

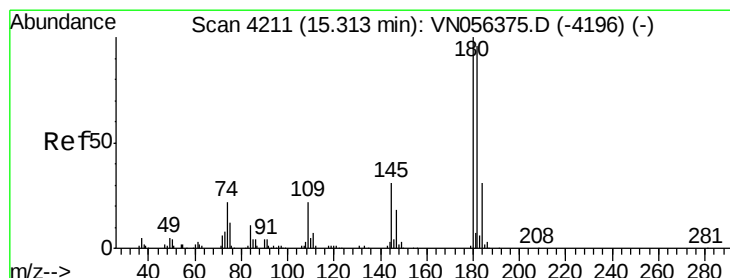
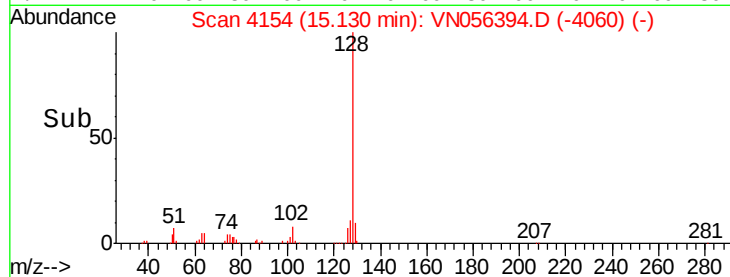
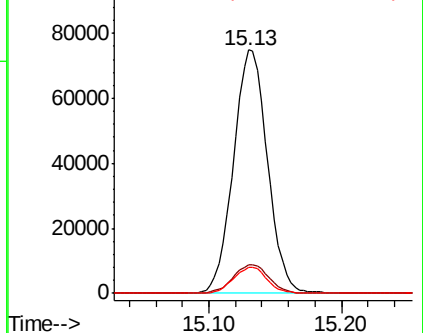
129 10.6 8.6 12.8



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: 19.695 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056394.D

Acq: 20 Jun 2019 11:55

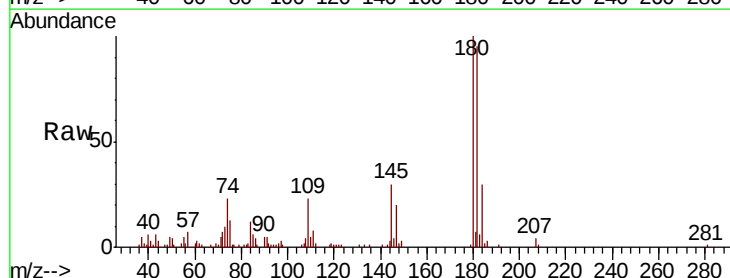
Tgt Ion:180 Resp: 54905

Ion Ratio Lower Upper

180 100

182 95.3 48.3 144.8

145 30.3 15.4 46.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

