

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060819\
 Data File : VN056093.D
 Acq On : 7 Jun 2019 12:26
 Operator : JC/SP
 Sample : VN0608WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 08 05:09:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	373768	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	529175	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	475566	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	205507	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	168933	45.52	ug/l	0.00
Spiked Amount			Recovery	=	91.04%	
35) Dibromofluoromethane	7.59	113	151837	46.77	ug/l	0.00
Spiked Amount			Recovery	=	93.54%	
50) Toluene-d8	10.09	98	578305	46.29	ug/l	0.00
Spiked Amount			Recovery	=	92.58%	
62) 4-Bromofluorobenzene	12.40	95	196585	46.27	ug/l	0.00
Spiked Amount			Recovery	=	92.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	80245	19.758	ug/l	97
3) Chloromethane	2.06	50	80275	19.813	ug/l	96
4) Vinyl Chloride	2.18	62	80812	19.884	ug/l	98
5) Bromomethane	2.52	94	48040	18.712	ug/l	100
6) Chloroethane	2.67	64	41329	17.539	ug/l	99
7) Trichlorofluoromethane	3.00	101	102032	19.665	ug/l	98
8) Diethyl Ether	3.40	74	40455	18.961	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	66678	21.156	ug/l	99
10) Methyl Iodide	3.94	142	81030	16.178	ug/l	98
11) Tert butyl alcohol	4.82	59	63785	98.764	ug/l	98
12) 1,1-Dichloroethene	3.72	96	61408	19.571	ug/l	96
13) Acrolein	3.60	56	12998	69.783	ug/l	100
14) Allyl chloride	4.31	41	94354	19.044	ug/l	99
15) Acrylonitrile	4.99	53	174716	111.133	ug/l	100
16) Acetone	3.82	43	178785	100.727	ug/l	100
17) Carbon Disulfide	4.04	76	127606	16.985	ug/l	99
18) Methyl Acetate	4.33	43	80283	22.711	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	201699	20.167	ug/l	99
20) Methylene Chloride	4.54	84	73248	20.030	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	66117	19.666	ug/l	96
22) Diisopropyl ether	5.95	45	207012	20.212	ug/l	99
23) Vinyl Acetate	5.90	43	843354	104.562	ug/l	99
24) 1,1-Dichloroethane	5.84	63	119394	20.209	ug/l	100
25) 2-Butanone	6.84	43	245119	109.301	ug/l	99
26) 2,2-Dichloropropane	6.82	77	83877	18.194	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	78816	19.944	ug/l	97
28) Bromochloromethane	7.19	49	35192	12.596	ug/l	99
29) Tetrahydrofuran	7.22	42	156003	112.537	ug/l	100
30) Chloroform	7.37	83	119931	20.179	ug/l	100
31) Cyclohexane	7.65	56	117131	19.890	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	96151	19.374	ug/l	100
36) 1,1-Dichloropropene	7.79	75	89219	19.608	ug/l	99
37) Ethyl Acetate	6.93	43	89941	22.216	ug/l	100
38) Carbon Tetrachloride	7.77	117	82150	19.583	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	116948	20.632	ug/l	99
40) Benzene	8.04	78	281864	20.396	ug/l	100
41) Methacrylonitrile	7.17	41	40083	21.519	ug/l	93
42) 1,2-Dichloroethane	8.12	62	90432	20.343	ug/l	100
43) Isopropyl Acetate	8.17	43	139043	21.194	ug/l #	91
44) Trichloroethene	8.83	130	79205	19.945	ug/l	98
45) 1,2-Dichloropropane	9.12	63	74096	20.932	ug/l	100
46) Dibromomethane	9.21	93	48219	20.831	ug/l	99
47) Bromodichloromethane	9.40	83	83737	19.959	ug/l	99
48) Methyl methacrylate	9.20	41	70578	21.990	ug/l	98
49) 1,4-Dioxane	9.20	88	29750	429.345	ug/l	94
51) 4-Methyl-2-Pentanone	9.99	43	462308	112.686	ug/l	99
52) Toluene	10.16	92	179023	20.818	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	85430	18.933	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	102864	20.398	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	70927	20.821	ug/l	98
56) Ethyl methacrylate	10.43	69	107459	21.623	ug/l	98
57) 1,3-Dichloropropane	10.71	76	117926	21.295	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	144534	83.864	ug/l	100
59) 2-Hexanone	10.75	43	332224	111.728	ug/l	100
60) Dibromochloromethane	10.90	129	68295	19.739	ug/l	100
61) 1,2-Dibromoethane	11.00	107	73868	21.212	ug/l	98
64) Tetrachloroethene	10.63	164	78225	19.003	ug/l	98
65) Chlorobenzene	11.43	112	193240	20.417	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	67291	20.591	ug/l	100
67) Ethyl Benzene	11.51	91	340401	20.683	ug/l	99
68) m/p-Xylenes	11.62	106	257934	41.027	ug/l	99
69) o-Xylene	11.95	106	125560	20.303	ug/l	99
70) Styrene	11.96	104	205615	20.926	ug/l	99
71) Bromoform	12.13	173	44447	18.053	ug/l #	99
73) Isopropylbenzene	12.25	105	334840	21.478	ug/l	100
74) N-amyl acetate	12.07	43	119783	21.866	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	100118	20.986	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	112529	29.758	ug/l #	100
77) Bromobenzene	12.52	156	88006	20.002	ug/l	97
78) n-propylbenzene	12.59	91	362893	20.873	ug/l	100
79) 2-Chlorotoluene	12.67	91	216765	21.138	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	275669	19.951	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	21066	18.552	ug/l #	82
82) 4-Chlorotoluene	12.77	91	210858	20.730	ug/l	100
83) tert-Butylbenzene	12.99	119	243197	21.108	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	269548	20.571	ug/l	99
85) sec-Butylbenzene	13.17	105	318683	20.698	ug/l	100
86) p-Isopropyltoluene	13.29	119	292488	21.226	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	140251	20.596	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	134571	20.543	ug/l	99
89) n-Butylbenzene	13.61	91	218945	21.449	ug/l	99
90) Hexachloroethane	13.87	117	38661	18.604	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	139879	20.346	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	14341	21.017	ug/l	98

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

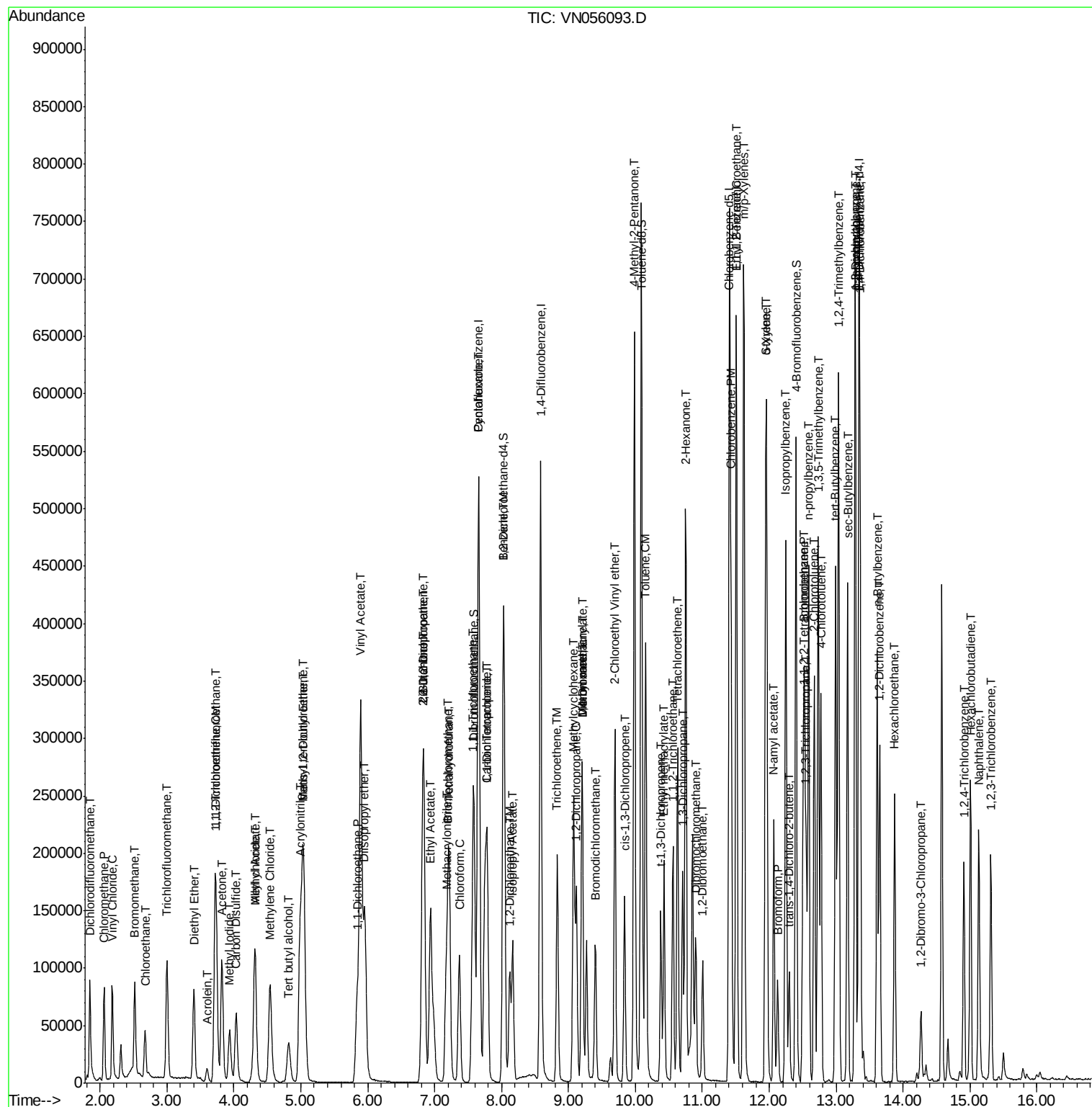
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	68486	20.803	ug/l	99
94) Hexachlorobutadiene	15.01	225	54697	22.030	ug/l	98
95) Naphthalene	15.13	128	189300	21.626	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	76394	21.617	ug/l	100

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

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Quant Time: Jun 08 05:09:51 2019
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QLast Update : Tue Jun 04 11:02:09 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056093.D

Acq: 7 Jun 2019 12:26

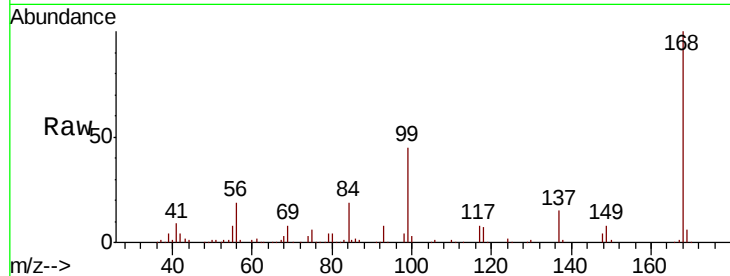
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 373768

Ion Ratio Lower Upper

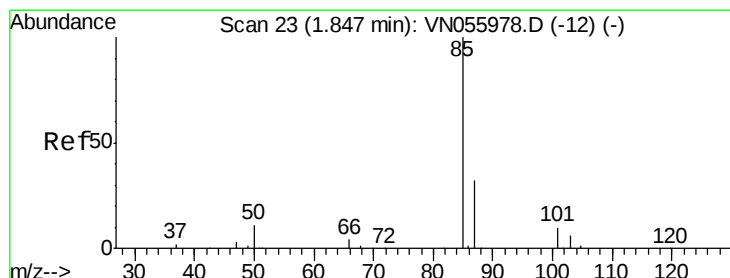
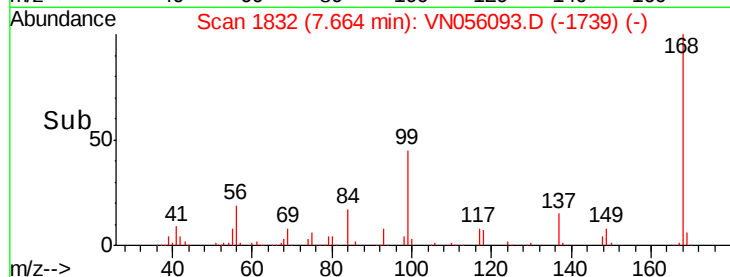
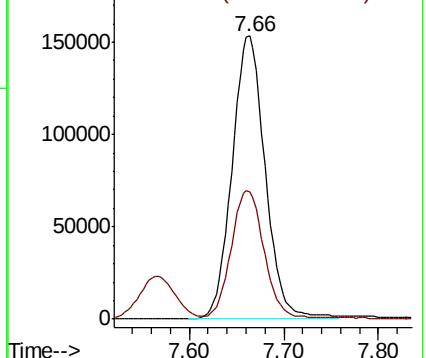
168 100

99 44.5 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 19.758 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056093.D

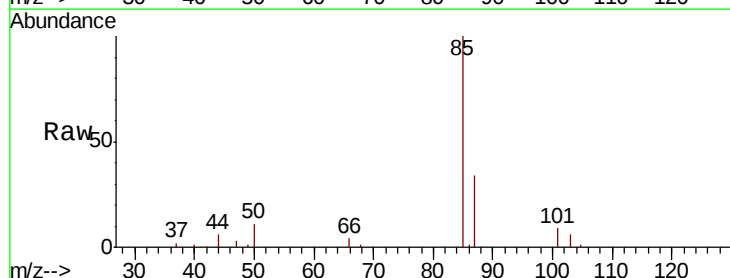
Acq: 7 Jun 2019 12:26

Tgt Ion: 85 Resp: 80245

Ion Ratio Lower Upper

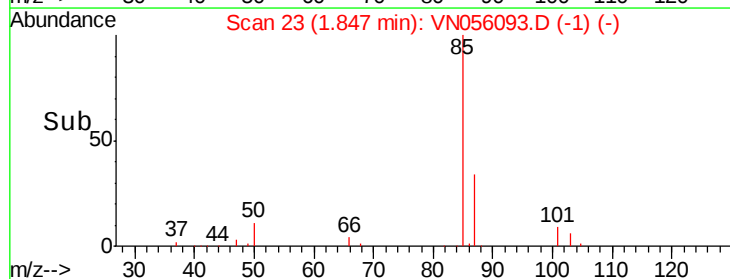
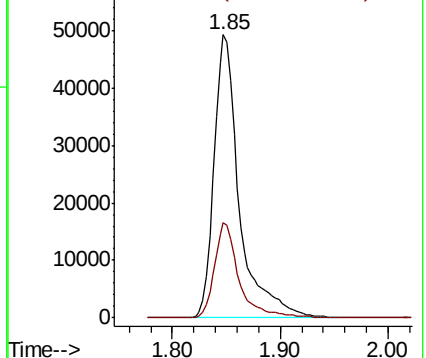
85 100

87 33.9 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

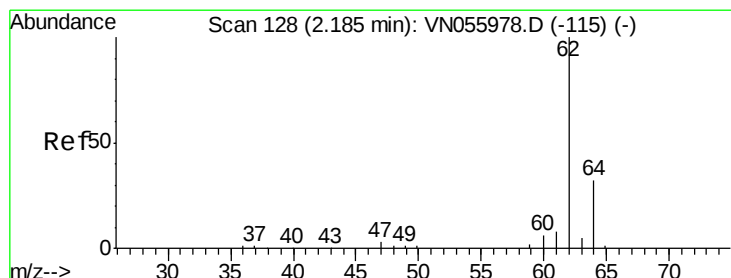
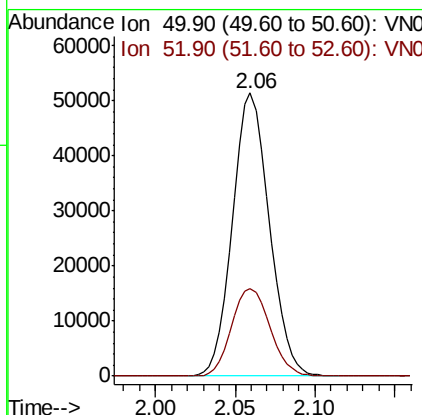
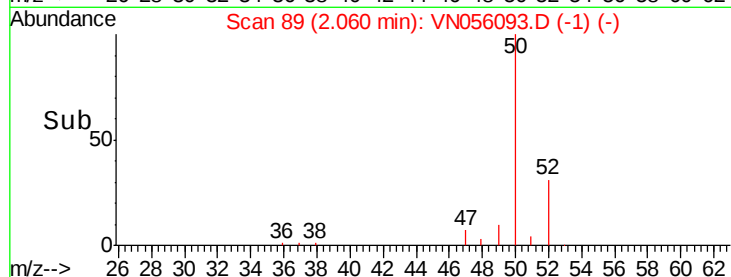
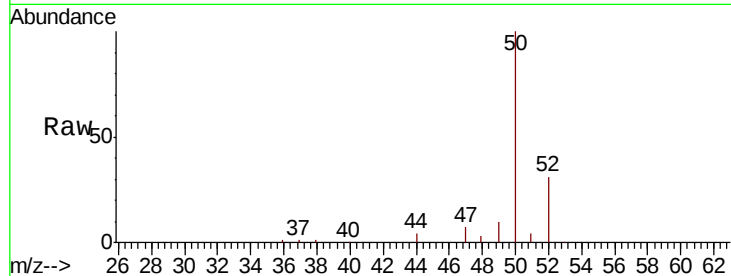




#3
 Chloromethane
 Concen: 19.813 ug/l
 RT: 2.06 min Scan# 89
 Delta R.T. 0.00 min
 Lab File: VN056093.D
 Acq: 7 Jun 2019 12:26

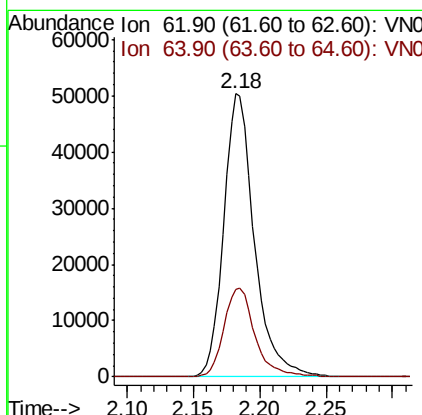
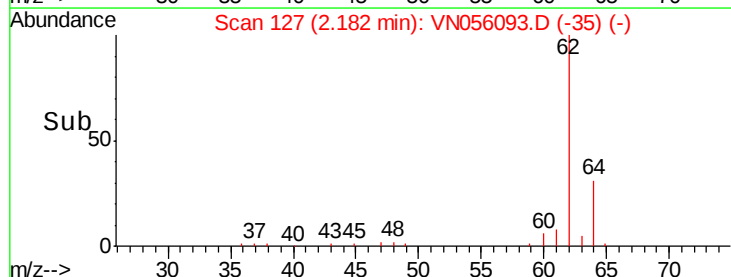
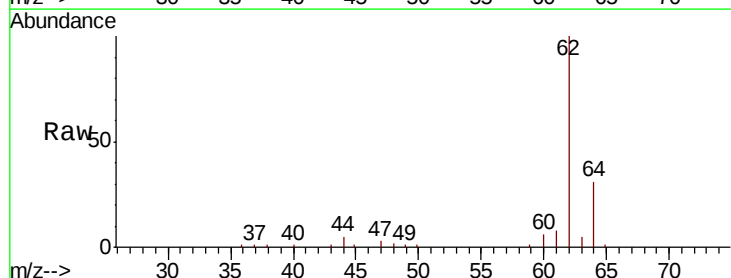
Instrument :
 MSVOA_N
 ClientSampled :

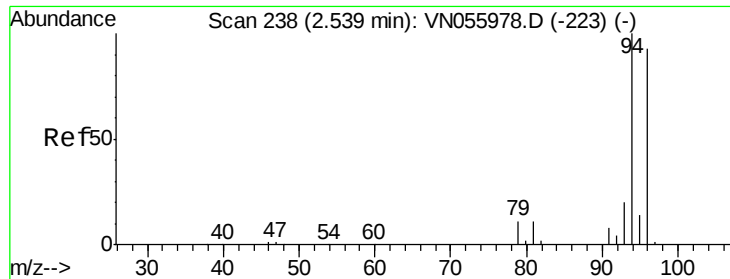
Tot Ion: 50 Resp: 80275
 Ion Ratio Lower Upper
 50 100
 52 30.9 26.6 40.0



#4
 Vinyl Chloride
 Concen: 19.884 ug/l
 RT: 2.18 min Scan# 127
 Delta R.T. -0.00 min
 Lab File: VN056093.D
 Acq: 7 Jun 2019 12:26

Tgt Ion: 62 Resp: 80812
 Ion Ratio Lower Upper
 62 100
 64 31.1 25.6 38.4





#5

Bromomethane

Concen: 18.712 ug/l

RT: 2.52 min Scan# 232

Delta R.T. -0.02 min

Lab File: VN056093.D

Acq: 7 Jun 2019 12:26

Instrument :

MSVOA_N

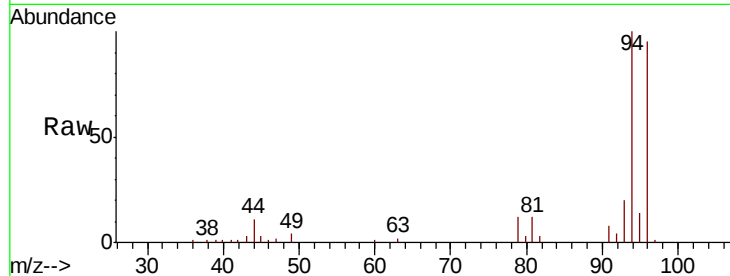
ClientSampleId :

Tot Ion: 94 Resp: 48040

Ion Ratio Lower Upper

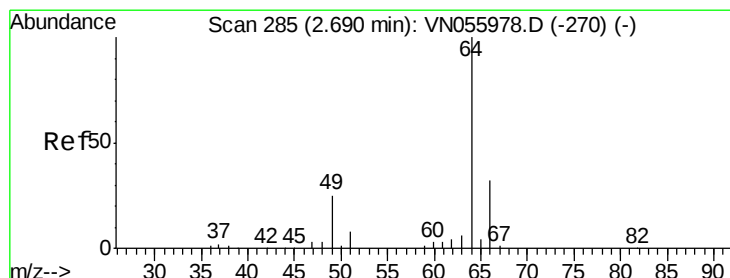
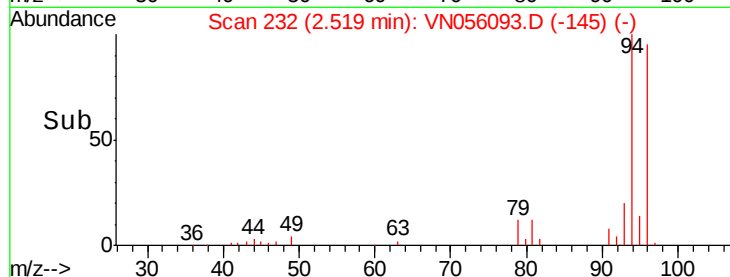
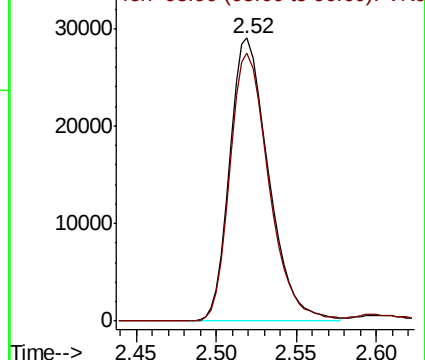
94 100

96 94.6 75.5 113.3



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 17.539 ug/l

RT: 2.67 min Scan# 280

Delta R.T. -0.02 min

Lab File: VN056093.D

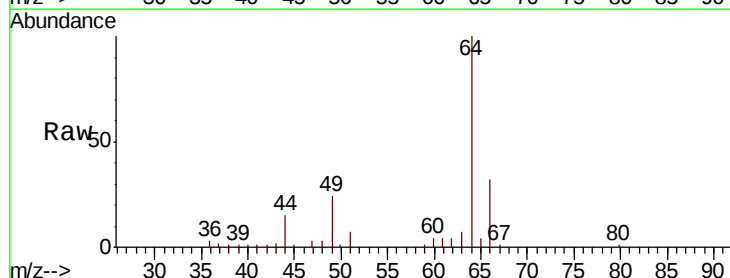
Acq: 7 Jun 2019 12:26

Tgt Ion: 64 Resp: 41329

Ion Ratio Lower Upper

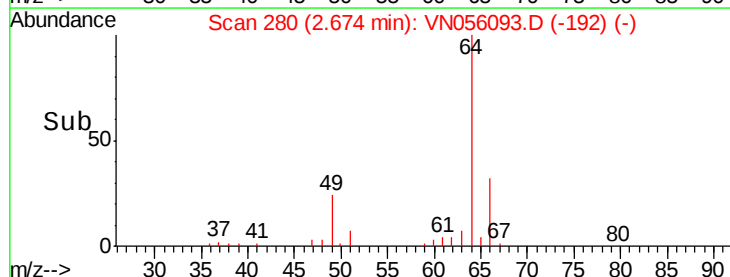
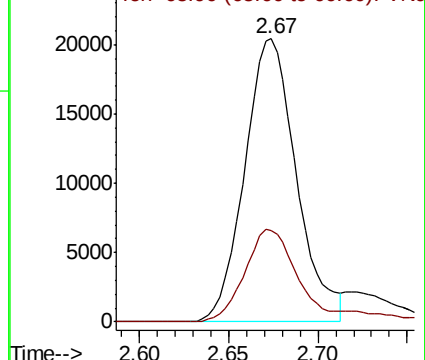
64 100

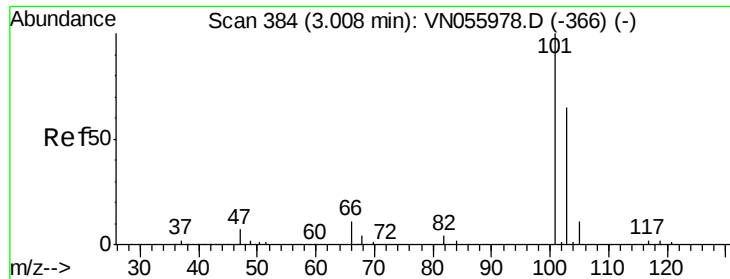
66 32.4 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



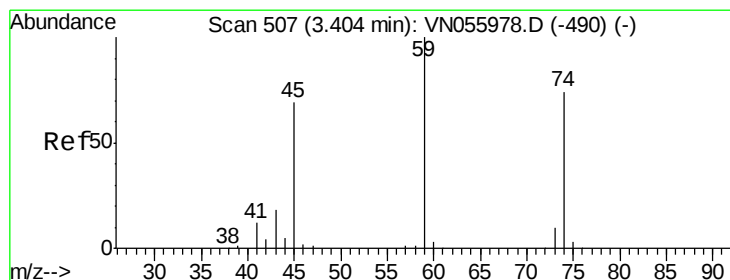
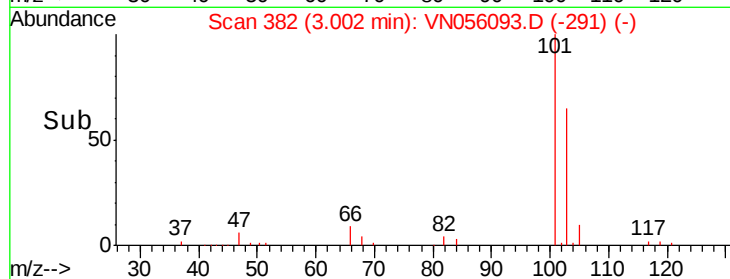
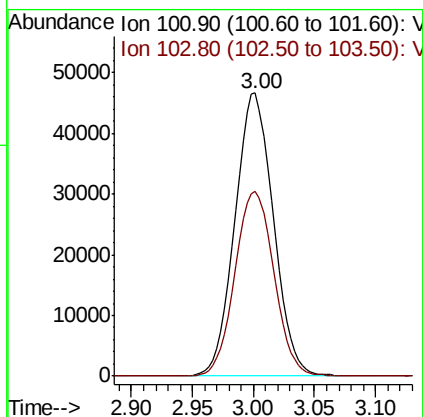
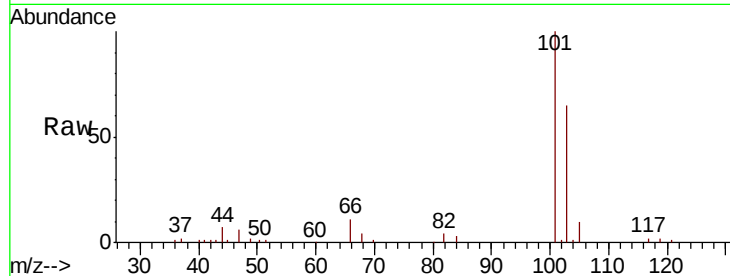


#7

Trichlorofluoromethane
 Concen: 19.665 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. -0.01 min
 Lab File: VN056093.D
 Acq: 7 Jun 2019 12:26

Instrument :
 MSVOA_N
 ClientSampled :

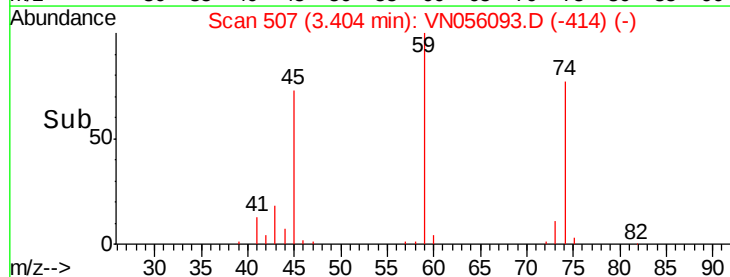
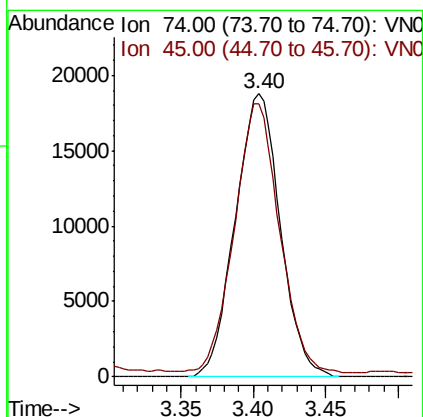
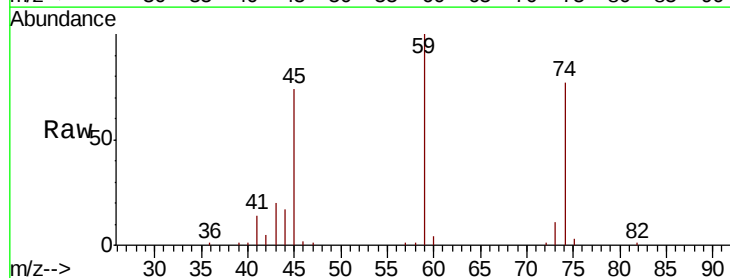
Tot Ion:101 Resp: 102032
 Ion Ratio Lower Upper
 101 100
 103 65.3 51.2 76.8



#8

Diethyl Ether
 Concen: 18.961 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. 0.00 min
 Lab File: VN056093.D
 Acq: 7 Jun 2019 12:26

Tgt Ion: 74 Resp: 40455
 Ion Ratio Lower Upper
 74 100
 45 94.9 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.156 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.01 min

Lab File: VN056093.D

Acq: 7 Jun 2019 12:26

Instrument :

MSVOA_N

ClientSampled :

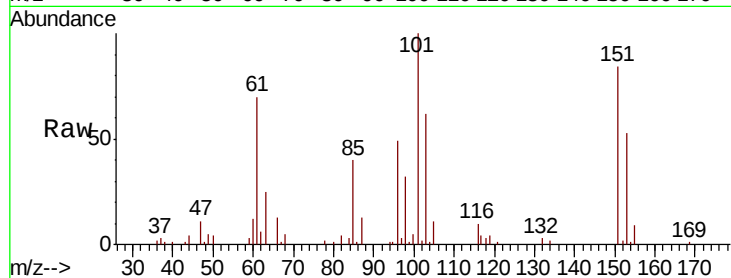
Tot Ion:101 Resp: 66678

Ion Ratio Lower Upper

101 100

85 41.3 33.4 50.2

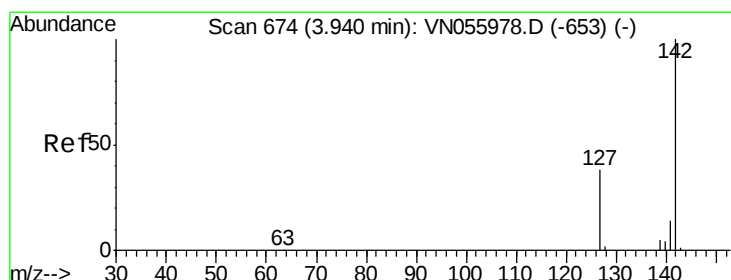
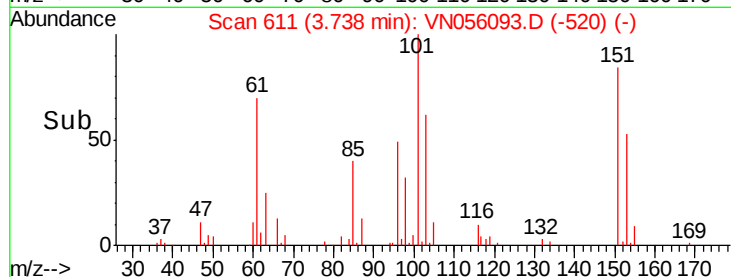
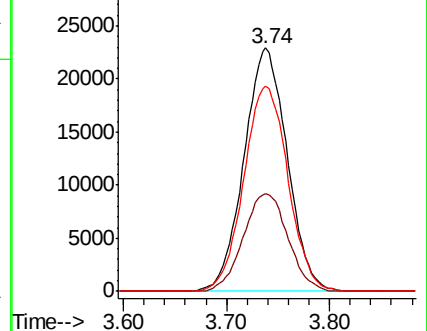
151 86.3 69.4 104.2



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: 16.178 ug/l

RT: 3.94 min Scan# 673

Delta R.T. -0.00 min

Lab File: VN056093.D

Acq: 7 Jun 2019 12:26

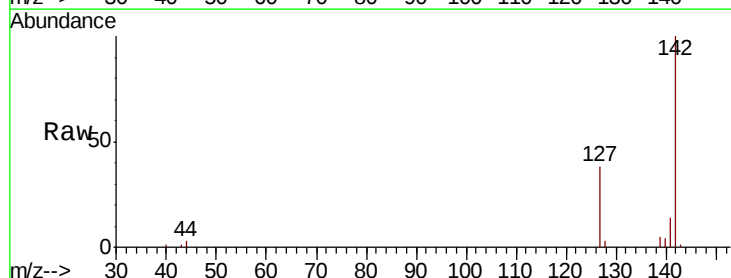
Tgt Ion:142 Resp: 81030

Ion Ratio Lower Upper

142 100

127 37.4 31.0 46.4

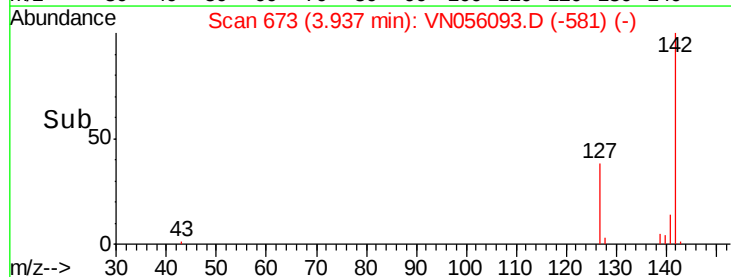
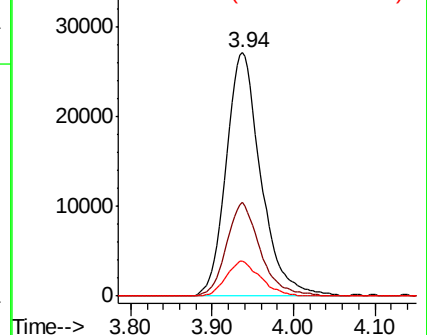
141 14.2 11.4 17.0

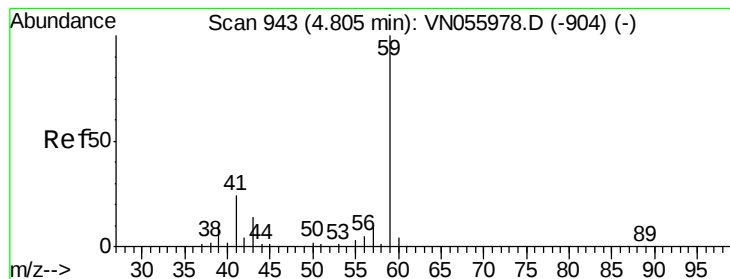


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



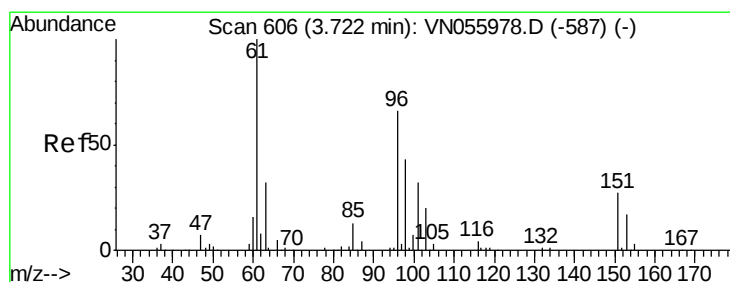
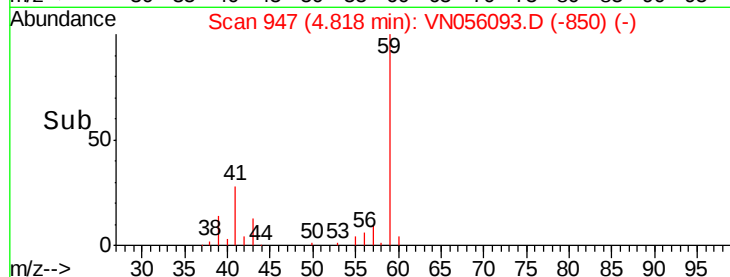
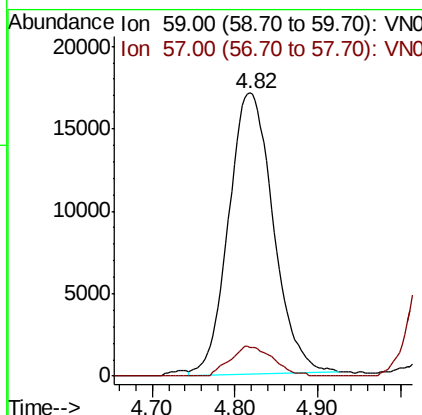
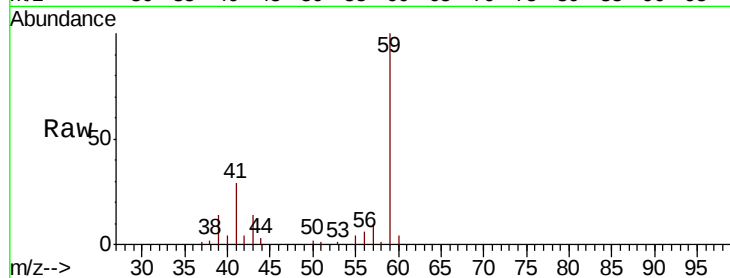


#11

Tert butyl alcohol
 Concen: 98.764 ug/l
 RT: 4.82 min Scan# 947
 Delta R.T. 0.01 min
 Lab File: VN056093.D
 Acq: 7 Jun 2019 12:26

Instrument :
 MSVOA_N
 ClientSampleId :

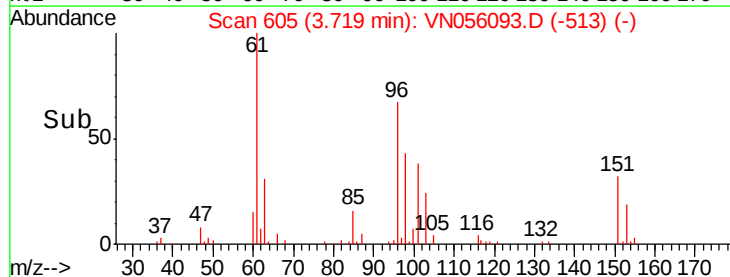
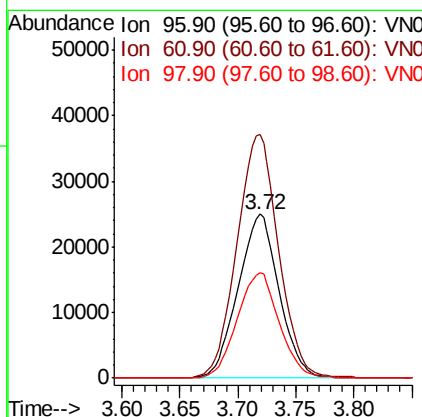
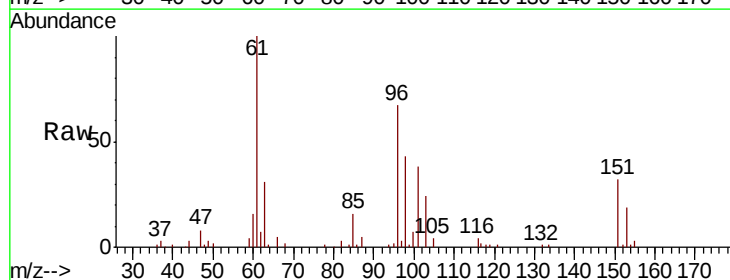
Tot Ion: 59 Resp: 63785
 Ion Ratio Lower Upper
 59 100
 57 10.3 7.8 11.6

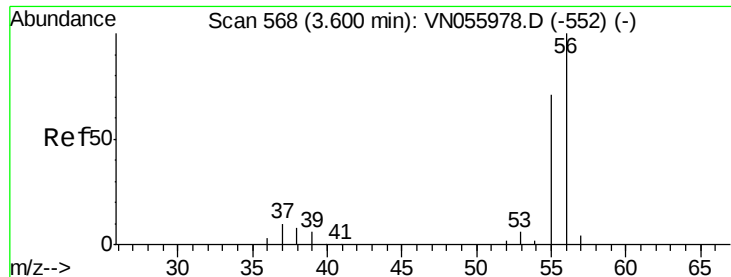


#12

1,1-Dichloroethene
 Concen: 19.571 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. -0.00 min
 Lab File: VN056093.D
 Acq: 7 Jun 2019 12:26

Tgt Ion: 96 Resp: 61408
 Ion Ratio Lower Upper
 96 100
 61 148.7 123.2 184.8
 98 64.5 50.4 75.6





#13

Acrolein

Concen: 69.783 ug/l

RT: 3.60 min Scan# 567

Delta R.T. -0.00 min

Lab File: VN056093.D

Acq: 7 Jun 2019 12:26

Instrument :

MSVOA_N

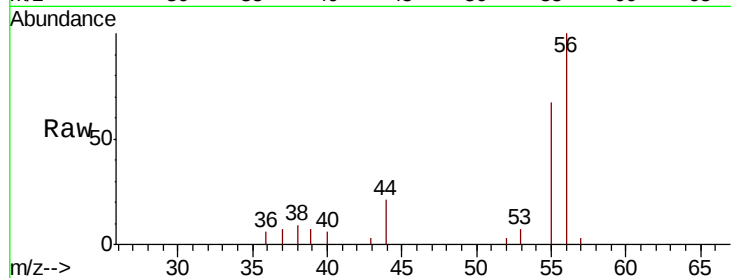
ClientSampleId :

Tot Ion: 56 Resp: 12998

Ion Ratio Lower Upper

56 100

55 69.4 55.4 83.2



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.60

6000

5000

4000

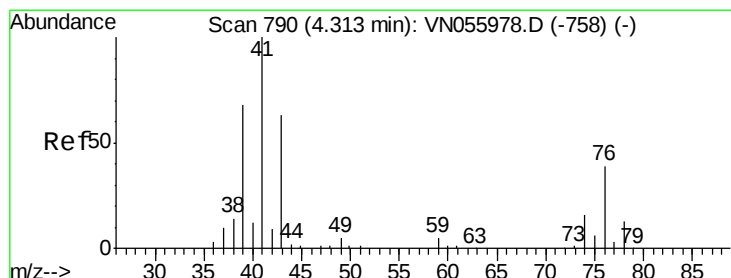
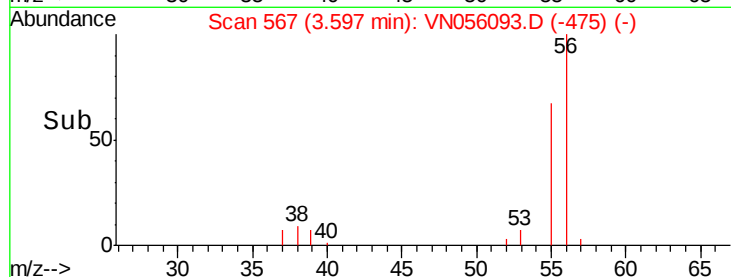
3000

2000

1000

0

Time--> 3.50 3.55 3.60 3.65



#14

Allyl chloride

Concen: 19.044 ug/l

RT: 4.31 min Scan# 788

Delta R.T. -0.01 min

Lab File: VN056093.D

Acq: 7 Jun 2019 12:26

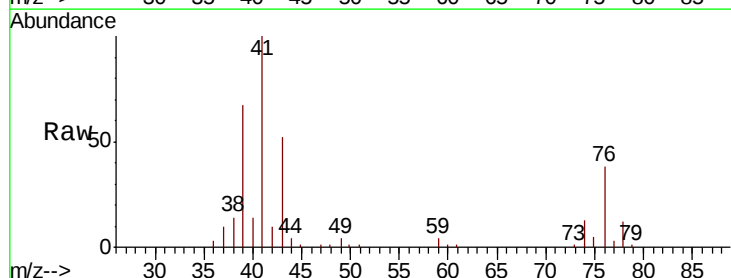
Tgt Ion: 41 Resp: 94354

Ion Ratio Lower Upper

41 100

39 63.3 50.0 75.0

76 34.3 28.2 42.2



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

4.31

40000

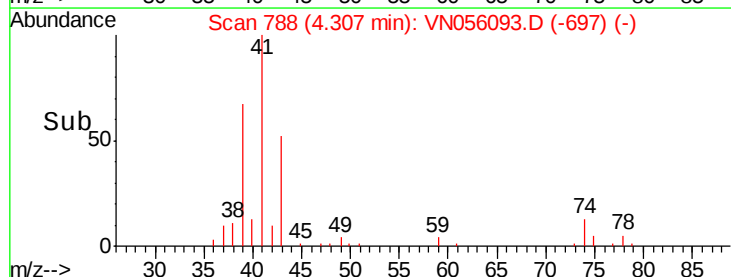
30000

20000

10000

0

Time--> 4.20 4.30 4.40





#15

Acrylonitrile

Concen: 111.133 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN056093.D

Acq: 7 Jun 2019 12:26

Instrument :

MSVOA_N

ClientSampleId :

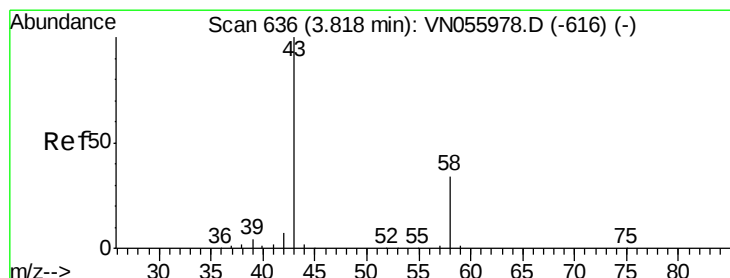
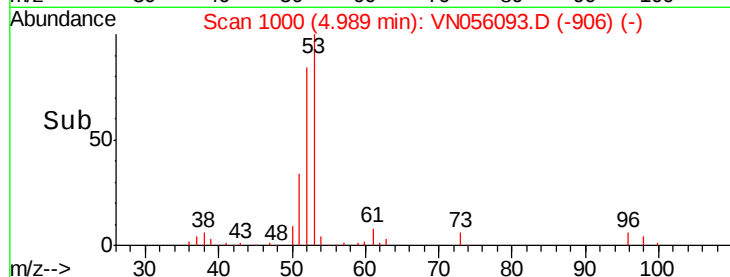
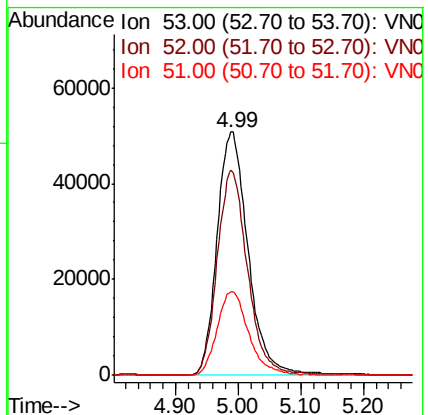
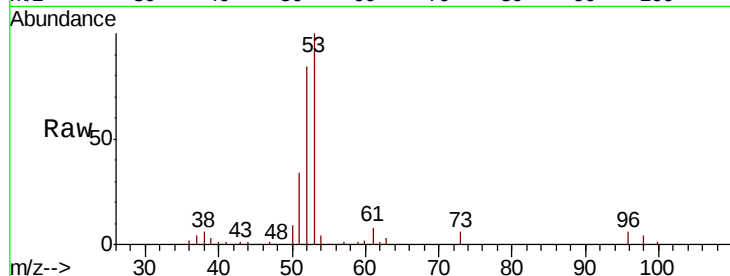
Tot Ion: 53 Resp: 174716

Ion Ratio Lower Upper

53 100

52 82.2 65.8 98.8

51 34.9 28.2 42.4



#16

Acetone

Concen: 100.727 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN056093.D

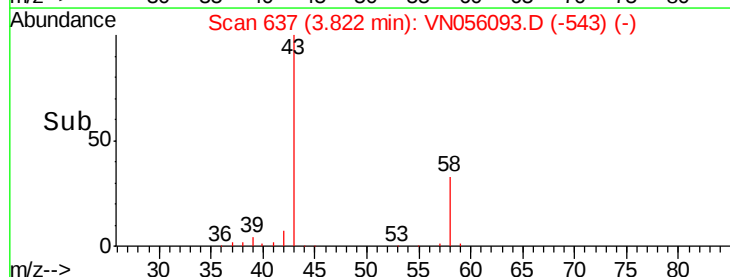
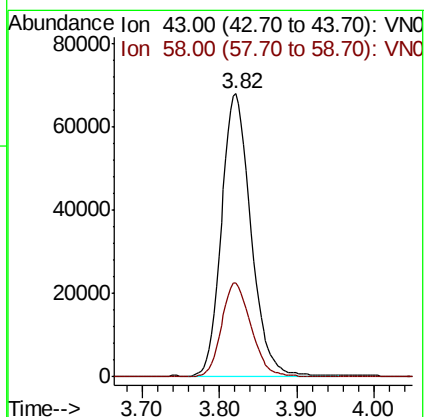
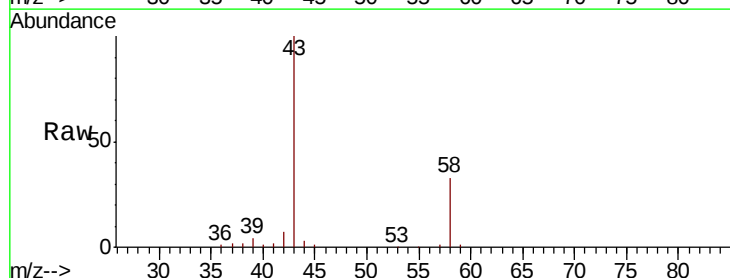
Acq: 7 Jun 2019 12:26

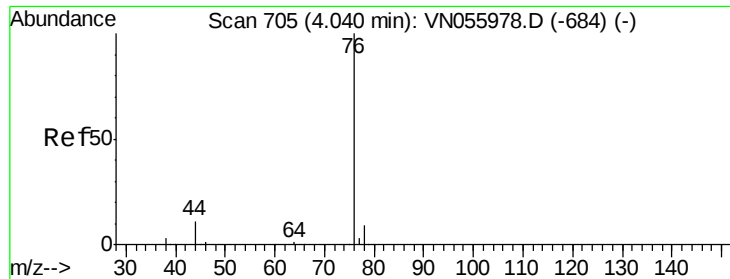
Tgt Ion: 43 Resp: 178785

Ion Ratio Lower Upper

43 100

58 33.2 26.6 39.8

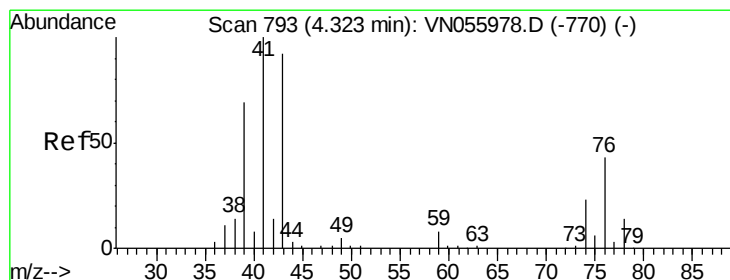
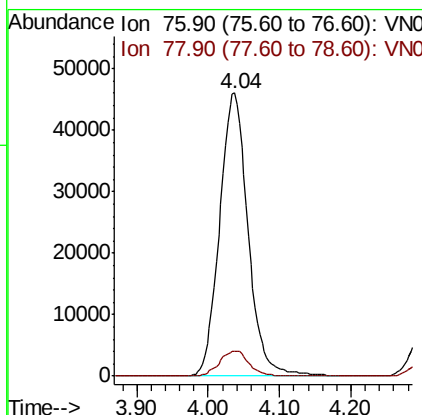
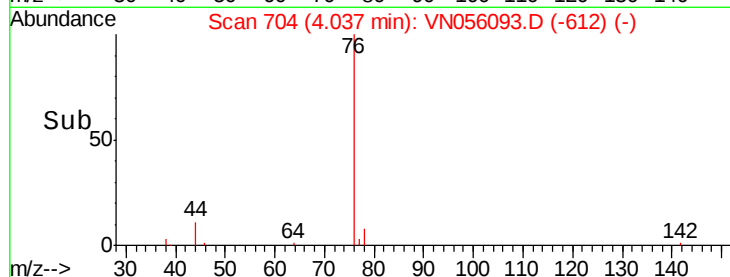
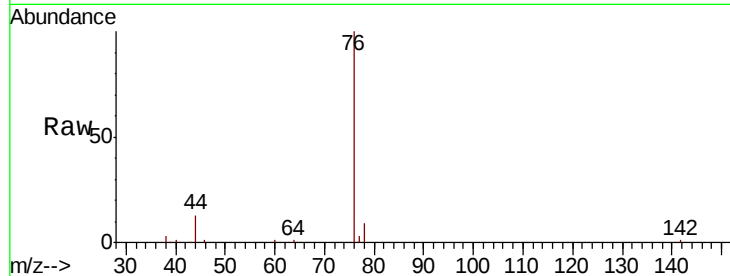




#17
Carbon Disulfide
Concen: 16.985 ug/l
RT: 4.04 min Scan# 704
Delta R.T. -0.00 min
Lab File: VN056093.D
Acq: 7 Jun 2019 12:26

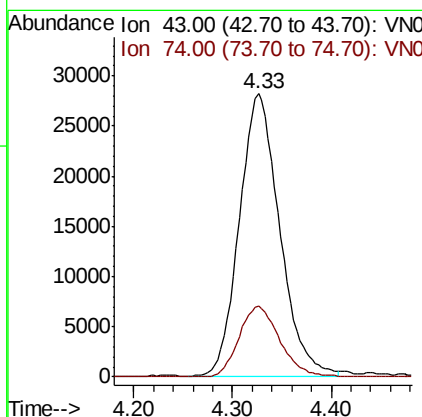
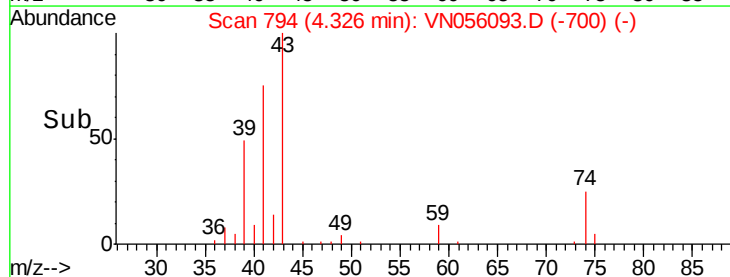
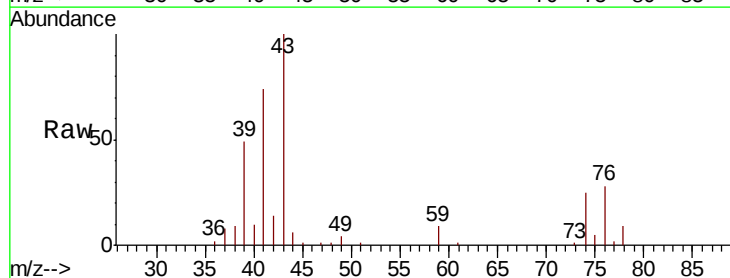
Instrument :
MSVOA_N
ClientSampled :

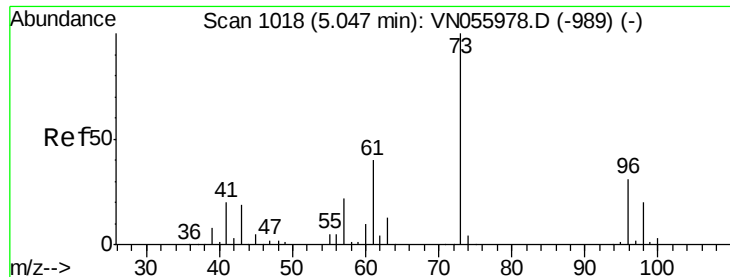
Tot Ion: 76 Resp: 127606
Ion Ratio Lower Upper
76 100
78 8.8 7.4 11.2



#18
Methyl Acetate
Concen: 22.711 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN056093.D
Acq: 7 Jun 2019 12:26

Tgt Ion: 43 Resp: 80283
Ion Ratio Lower Upper
43 100
74 24.8 19.3 28.9

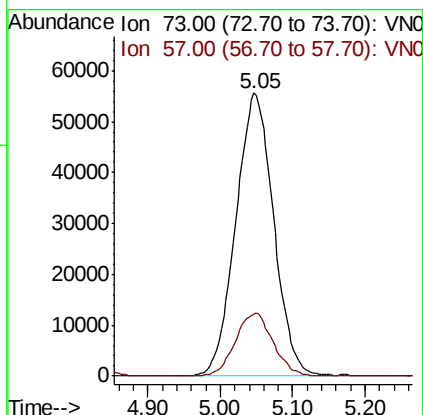
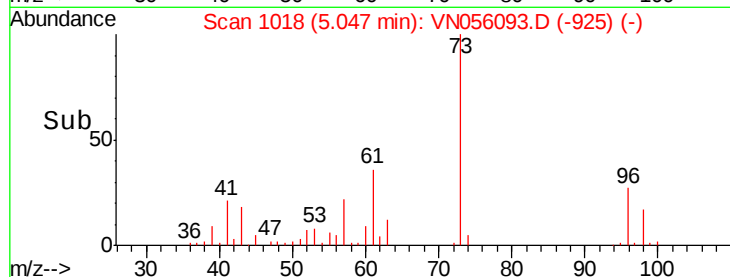
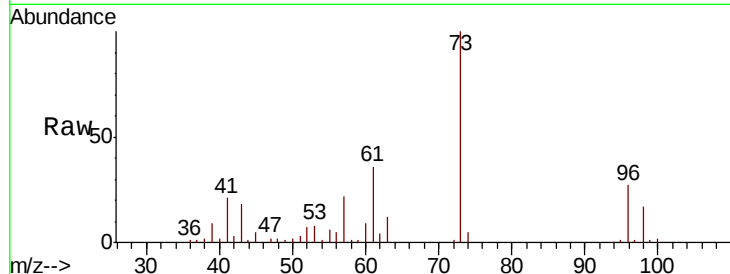




#19
Methvl tert-butvl Ether
Concen: 20.167 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN056093.D
Acq: 7 Jun 2019 12:26

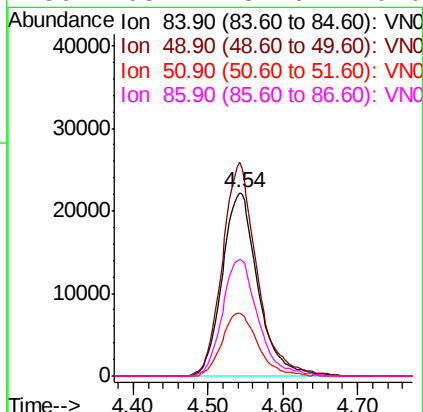
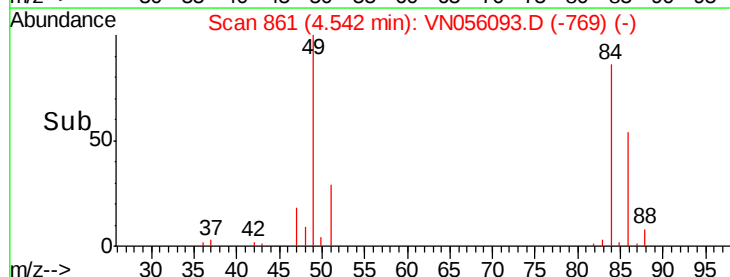
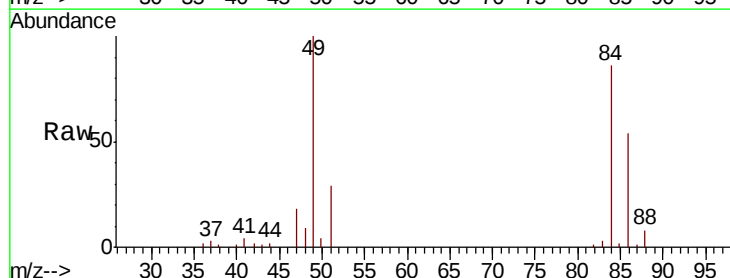
Instrument :
MSVOA_N
ClientSampled :

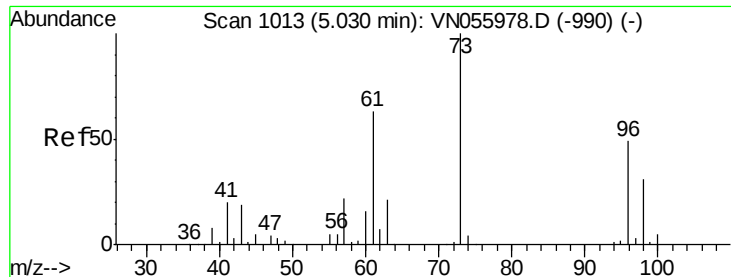
Tot Ion: 73 Resp: 201699
Ion Ratio Lower Upper
73 100
57 22.0 17.8 26.8



#20
Methylene Chloride
Concen: 20.030 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN056093.D
Acq: 7 Jun 2019 12:26

Tgt Ion: 84 Resp: 73248
Ion Ratio Lower Upper
84 100
49 116.5 93.5 140.3
51 34.2 28.6 43.0
86 63.2 52.6 79.0



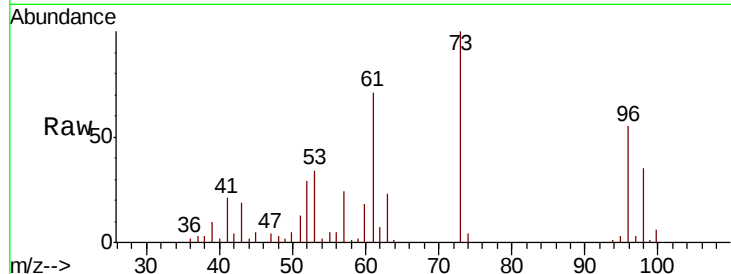


#21

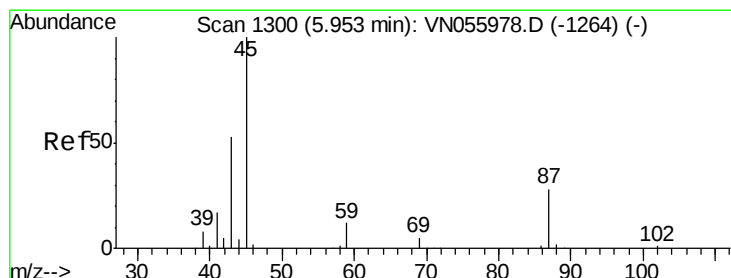
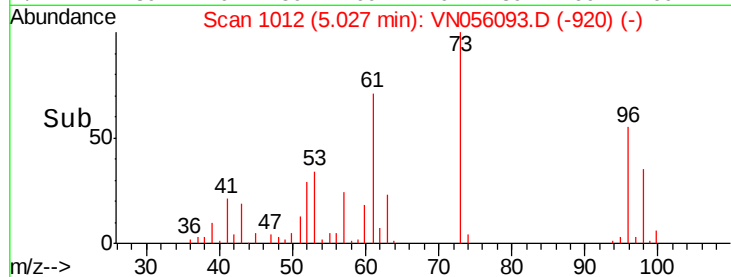
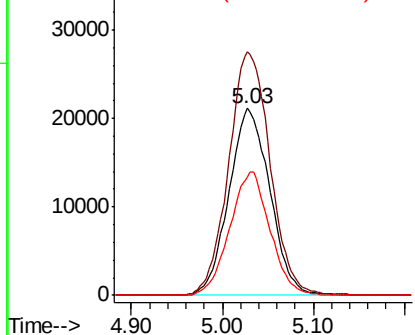
trans-1,2-Dichloroethene
Concen: 19.666 ug/l
RT: 5.03 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VN056093.D
Acq: 7 Jun 2019 12:26

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 66117
Ion Ratio Lower Upper
96 100
61 129.4 107.8 161.8
98 63.5 49.8 74.8



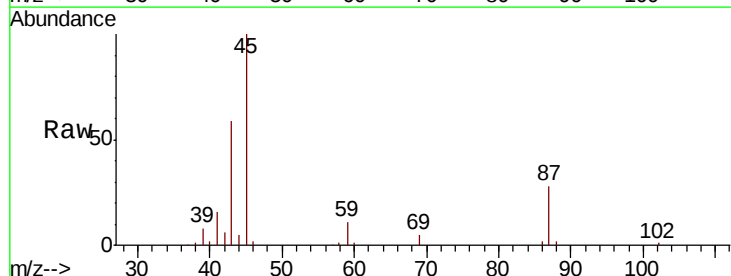
Abundance Ion 95.90 (95.60 to 96.60): VNO
Ion 60.90 (60.60 to 61.60): VNO
Ion 97.90 (97.60 to 98.60): VNO



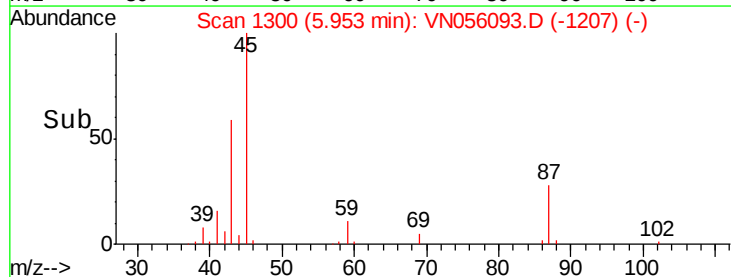
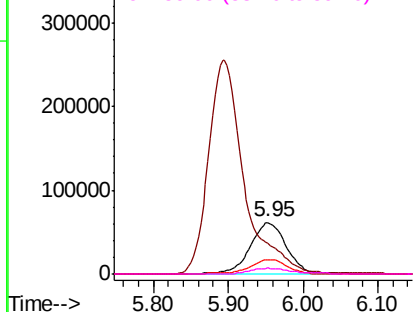
#22

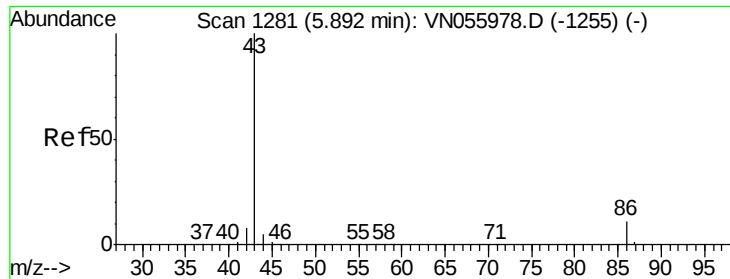
Diisopropyl ether
Concen: 20.212 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN056093.D
Acq: 7 Jun 2019 12:26

Tgt Ion: 45 Resp: 207012
Ion Ratio Lower Upper
45 100
43 57.1 45.0 67.6
87 28.0 22.2 33.4
59 11.3 9.1 13.7



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





#23

Vinyl Acetate

Concen: 104.562 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN056093.D

Acq: 7 Jun 2019 12:26

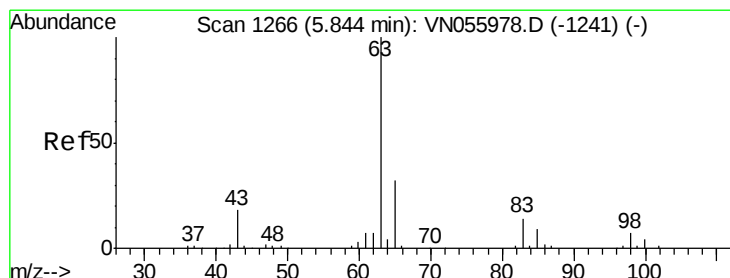
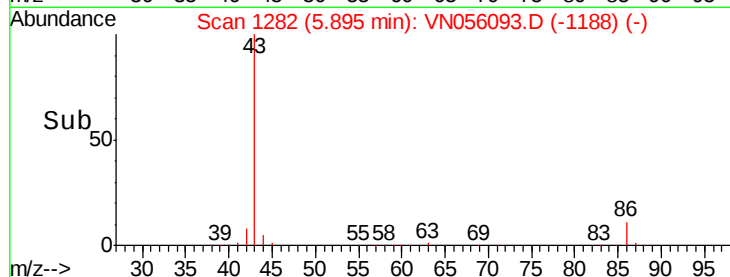
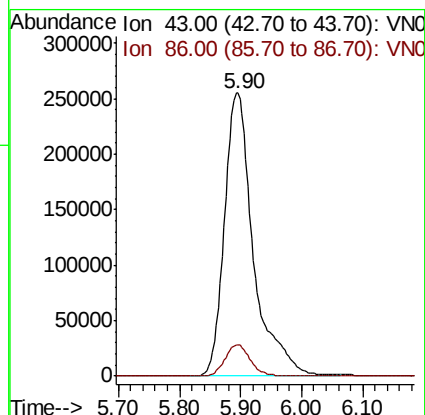
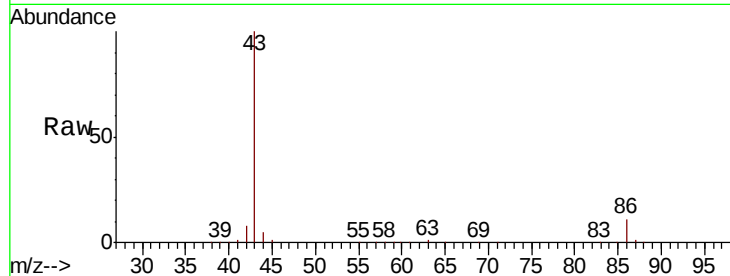
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 843354

Ion Ratio Lower Upper

43 100

86 11.0 8.6 13.0



#24

1,1-Dichloroethane

Concen: 20.209 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN056093.D

Acq: 7 Jun 2019 12:26

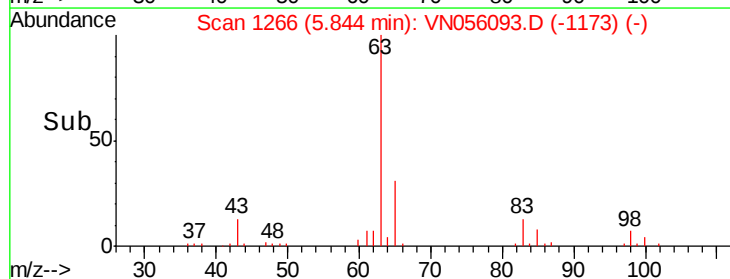
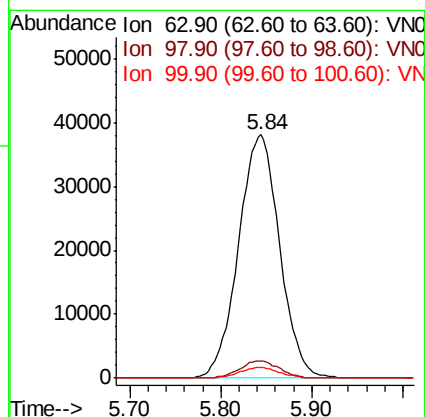
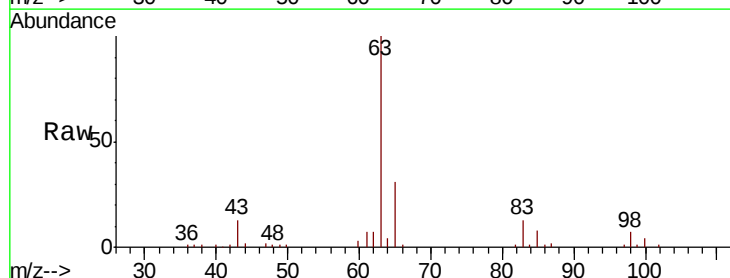
Tgt Ion: 63 Resp: 119394

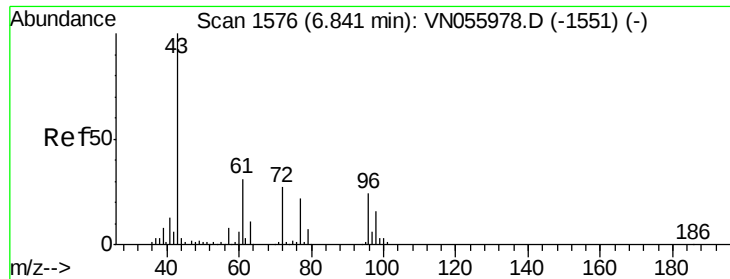
Ion Ratio Lower Upper

63 100

98 7.0 3.4 10.1

100 4.4 2.2 6.6

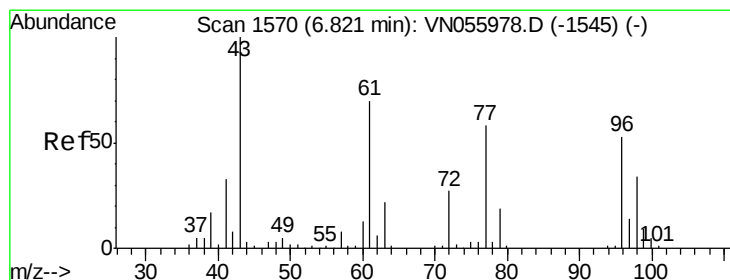
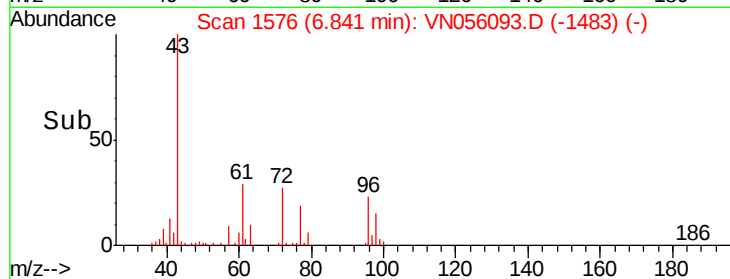
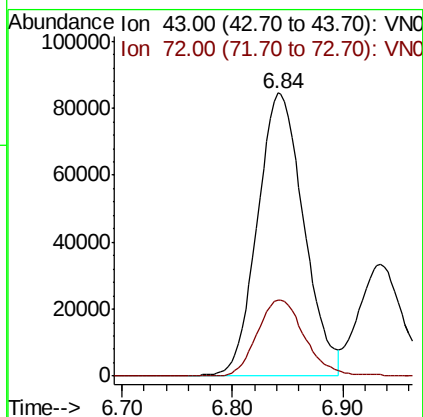
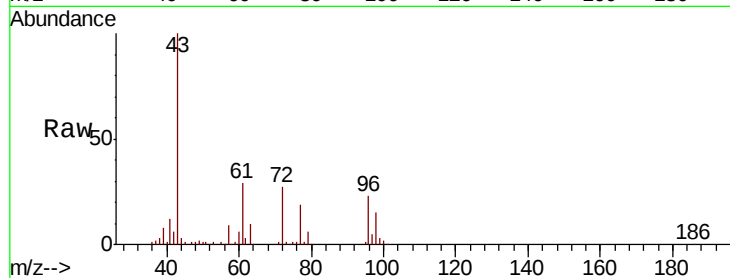




#25
2-Butanone
Concen: 109.301 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VN056093.D
Acq: 7 Jun 2019 12:26

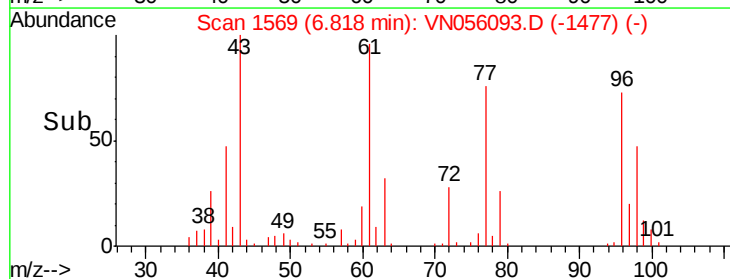
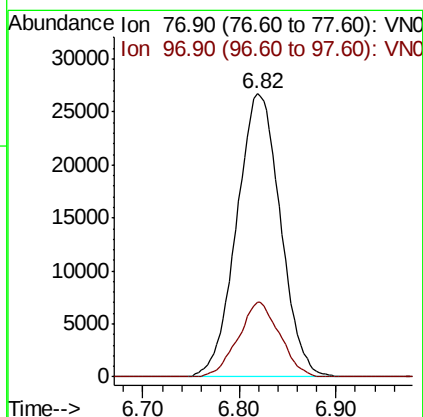
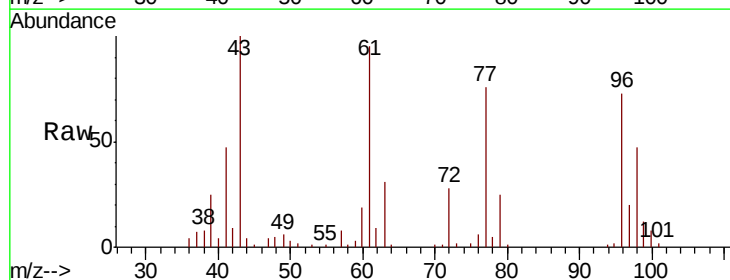
Instrument :
MSVOA_N
ClientSampled :

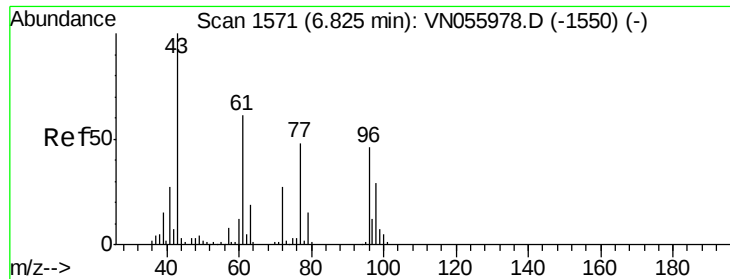
Tot Ion: 43 Resp: 245119
Ion Ratio Lower Upper
43 100
72 26.9 21.9 32.9



#26
2,2-Dichloropropane
Concen: 18.194 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. -0.00 min
Lab File: VN056093.D
Acq: 7 Jun 2019 12:26

Tgt Ion: 77 Resp: 83877
Ion Ratio Lower Upper
77 100
97 25.0 12.2 36.6

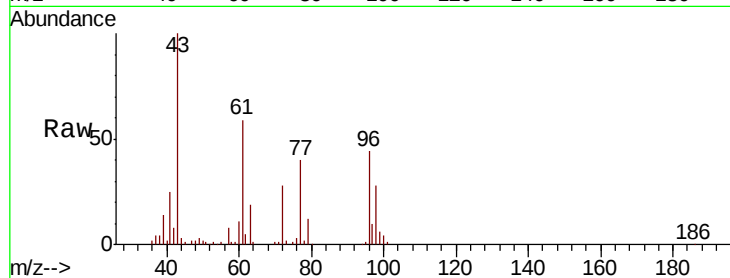




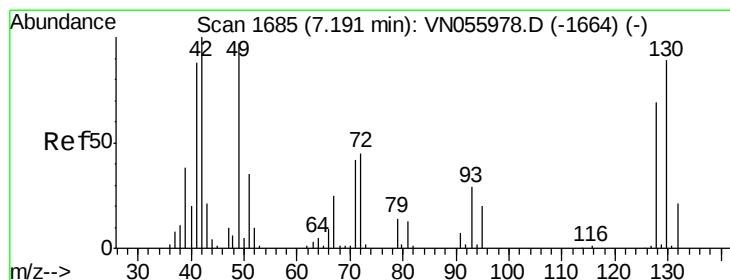
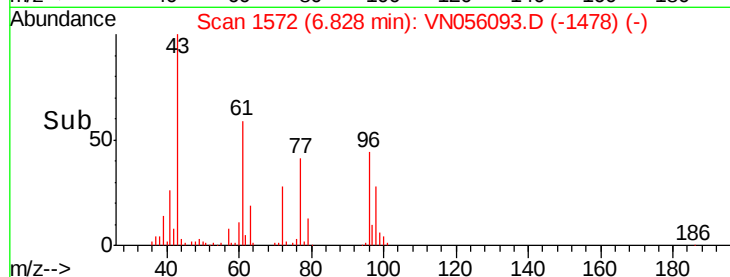
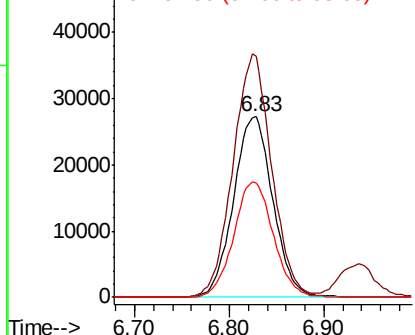
#27
 cis-1,2-Dichloroethene
 Concen: 19.944 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN056093.D
 Acq: 7 Jun 2019 12:26

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 96 Resp: 78816
 Ion Ratio Lower Upper
 96 100
 61 132.5 0.0 275.8
 98 64.3 0.0 128.4

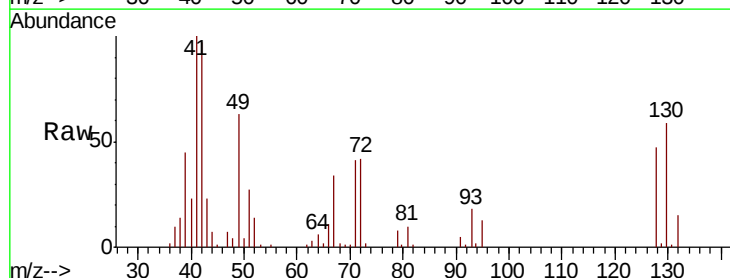


Abundance Ion 95.90 (95.60 to 96.60): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0

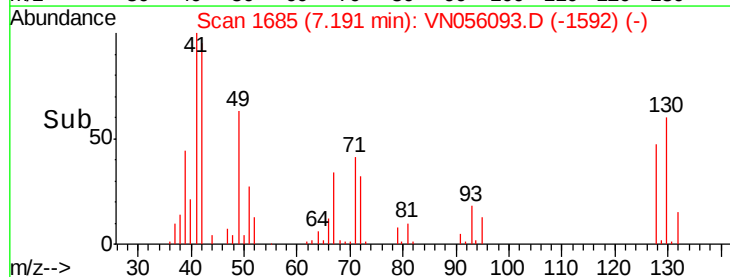
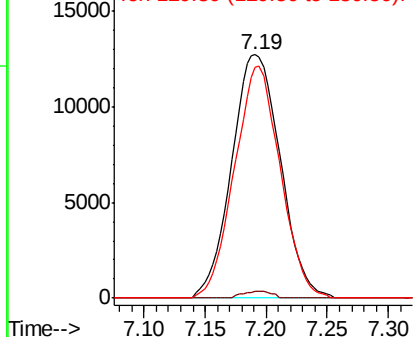


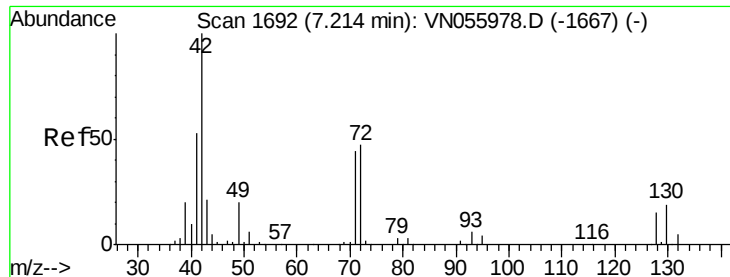
#28
 Bromochloromethane
 Concen: 12.596 ug/l
 RT: 7.19 min Scan# 1685
 Delta R.T. 0.00 min
 Lab File: VN056093.D
 Acq: 7 Jun 2019 12:26

Tgt Ion: 49 Resp: 35192
 Ion Ratio Lower Upper
 49 100
 129 1.6 0.0 4.4
 130 89.5 71.2 106.8



Abundance Ion 48.90 (48.60 to 49.60): VN0
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V

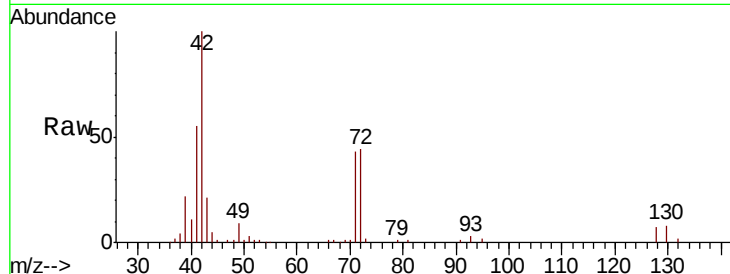




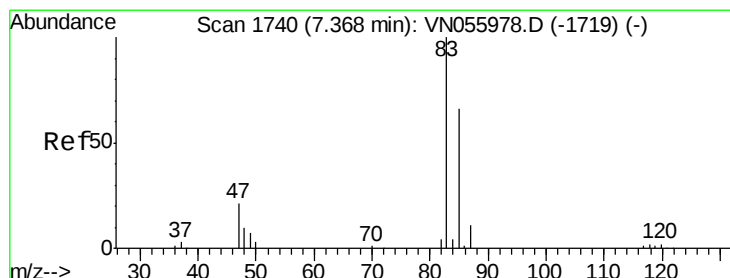
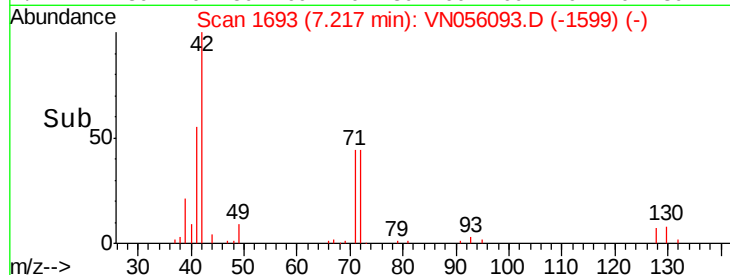
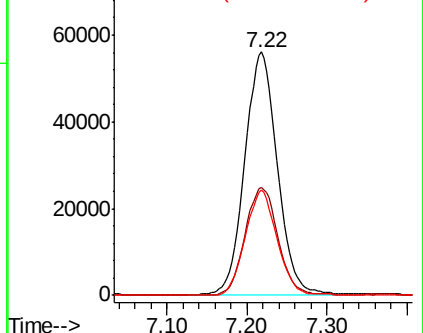
#29
Tetrahydrofuran
Concen: 112.537 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN056093.D
Acq: 7 Jun 2019 12:26

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 156003
Ion Ratio Lower Upper
42 100
72 44.8 35.9 53.9
71 42.1 34.0 51.0

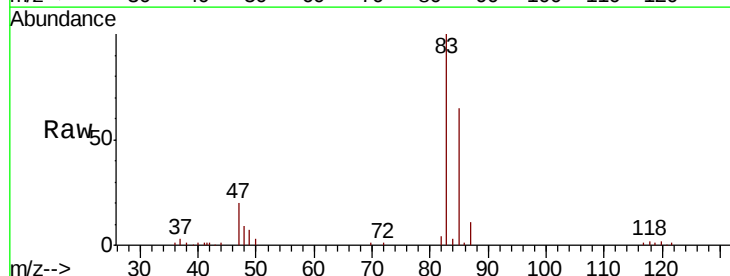


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

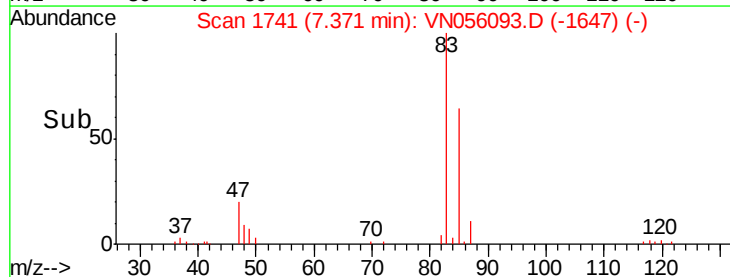
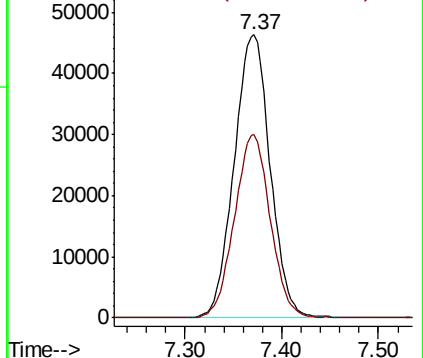


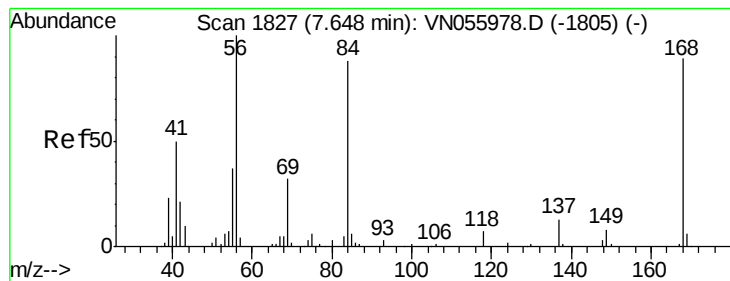
#30
Chloroform
Concen: 20.179 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056093.D
Acq: 7 Jun 2019 12:26

Tgt Ion: 83 Resp: 119931
Ion Ratio Lower Upper
83 100
85 64.7 51.8 77.8



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





#31

Cyclohexane

Concen: 19.890 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN056093.D

Acq: 7 Jun 2019 12:26

Instrument :
MSVOA_N
ClientSampleId :

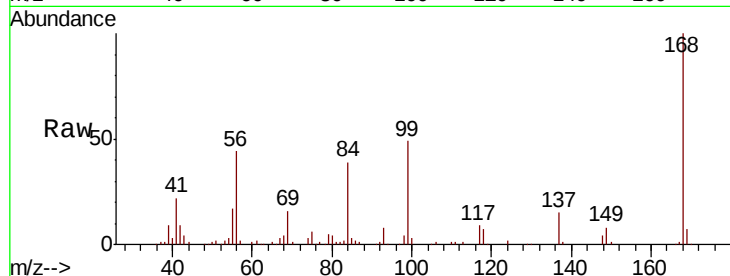
Tot Ion: 56 Resp: 117131

Ion Ratio Lower Upper

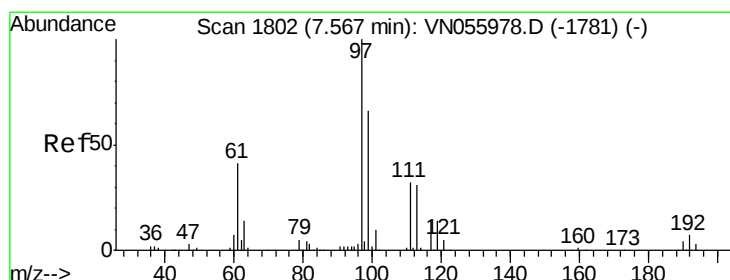
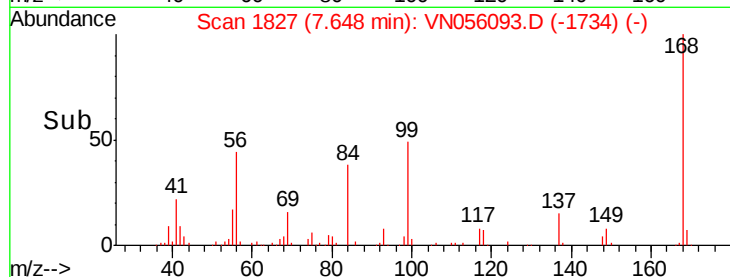
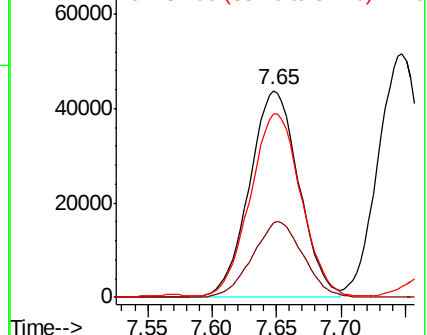
56 100

69 35.9 25.6 38.4

84 87.6 67.4 101.0



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



#32

1,1,1-Trichloroethane

Concen: 19.374 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN056093.D

Acq: 7 Jun 2019 12:26

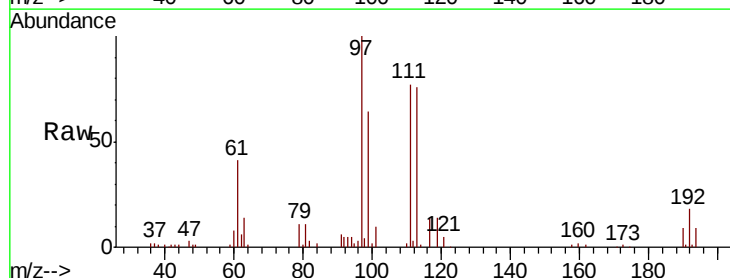
Tgt Ion: 97 Resp: 96151

Ion Ratio Lower Upper

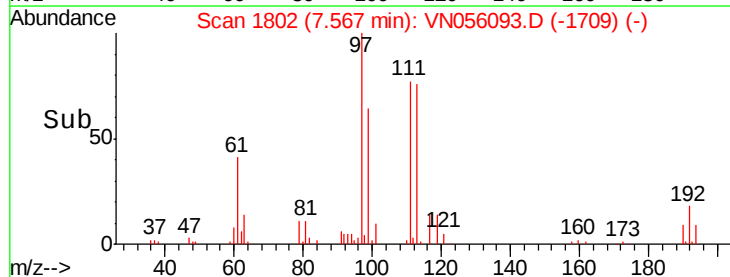
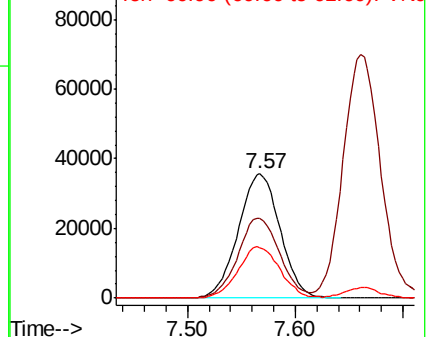
97 100

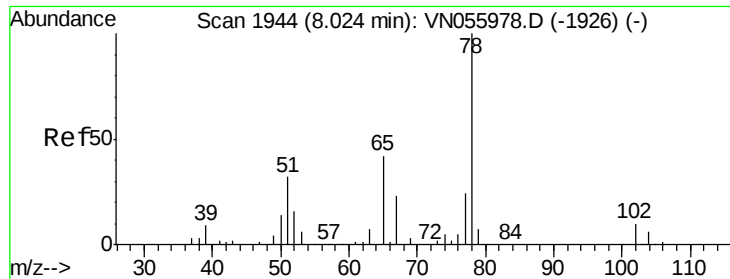
99 64.7 52.0 78.0

61 41.4 32.9 49.3



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

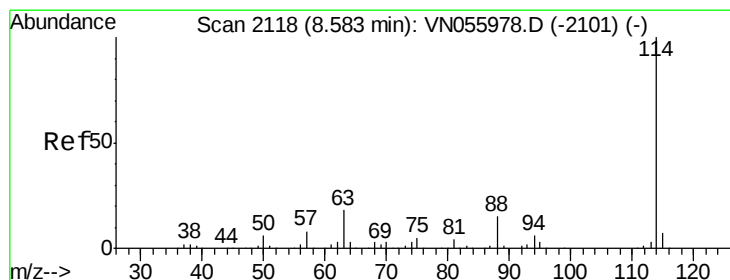
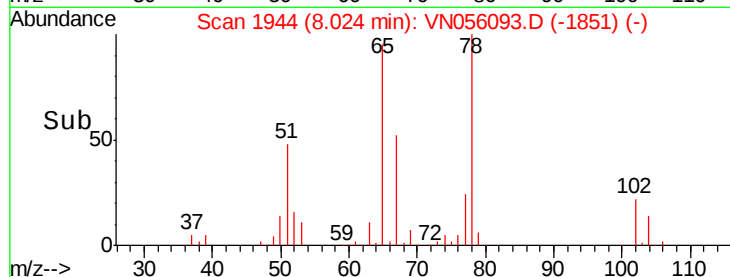
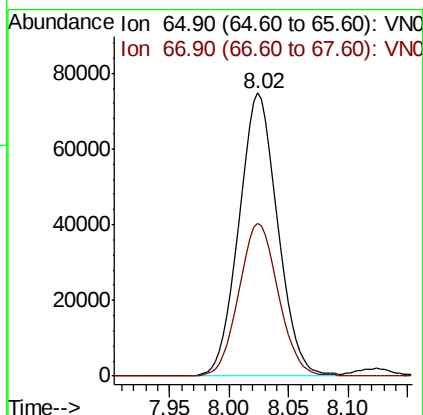
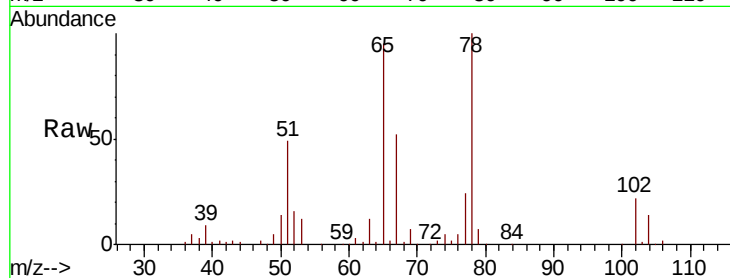




#33
 1,2-Dichloroethane-d4
 Concen: 45.520 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN056093.D
 Acq: 7 Jun 2019 12:26

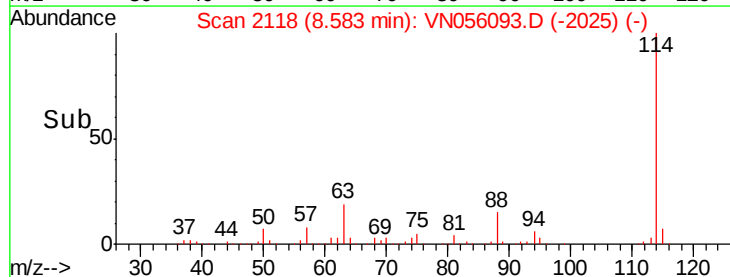
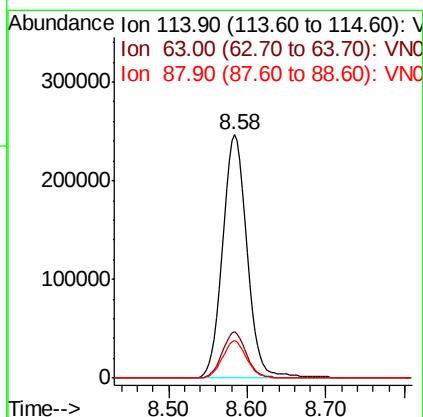
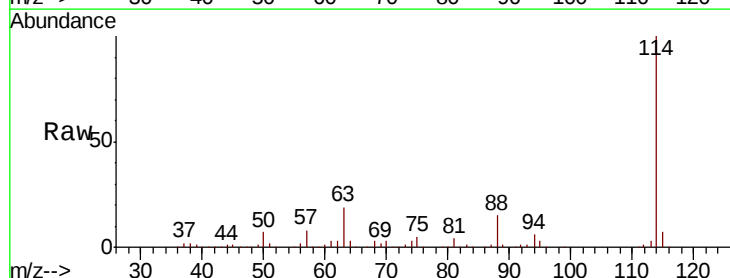
Instrument :
 MSVOA_N
 ClientSampled :

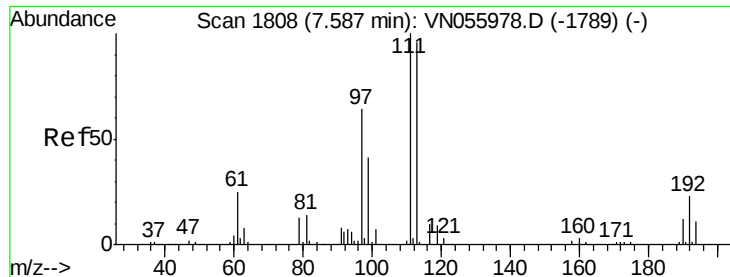
Tot Ion: 65 Resp: 168933
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 109.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056093.D
 Acq: 7 Jun 2019 12:26

Tgt Ion: 114 Resp: 529175
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 39.2
 88 15.2 0.0 31.0

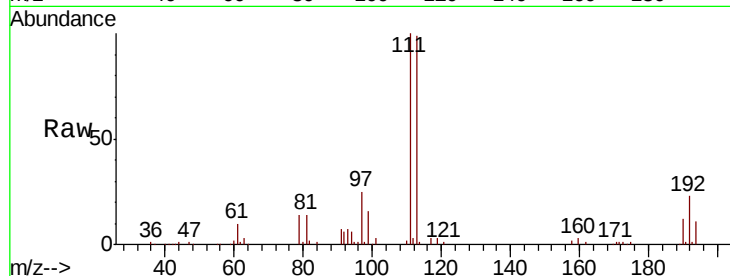




#35
 Dibromofluoromethane
 Concen: 46.767 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056093.D
 Acq: 7 Jun 2019 12:26

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.4	81.9	122.9
192	24.1	19.5	29.3

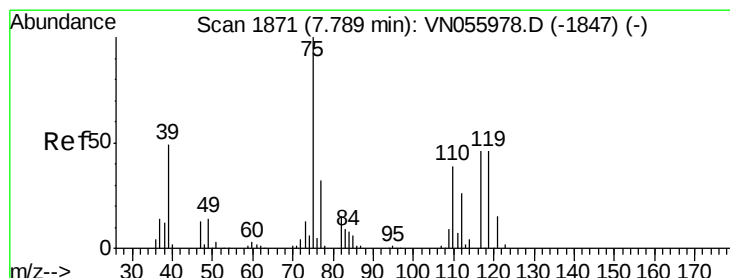
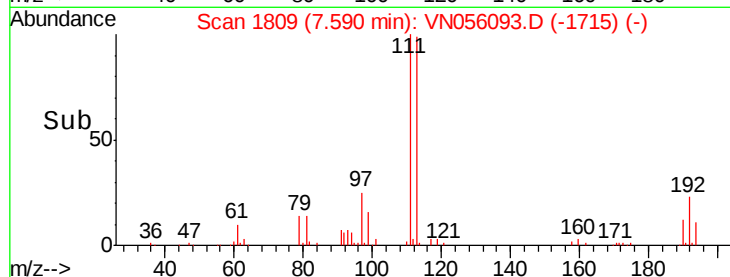
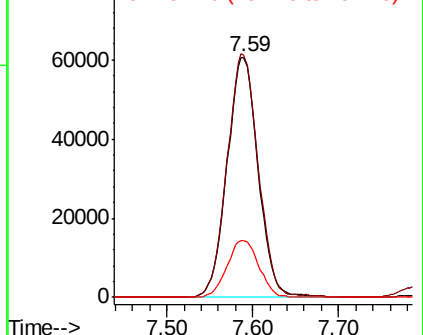


Abundance

Ion 112.80 (112.50 to 113.50): V

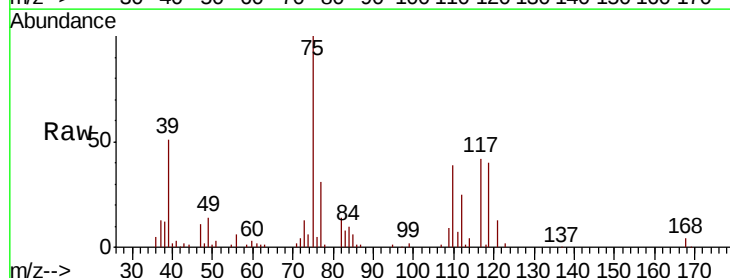
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 19.608 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN056093.D
 Acq: 7 Jun 2019 12:26

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.7	19.0	57.0
77	31.6	25.1	37.7

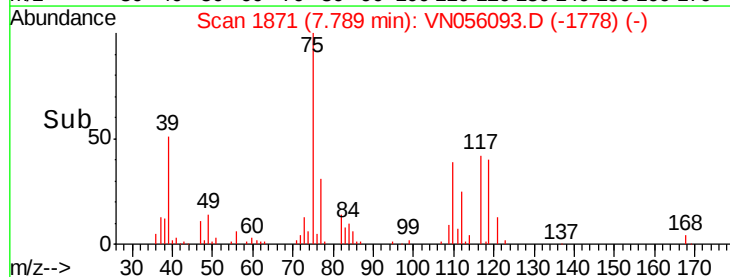
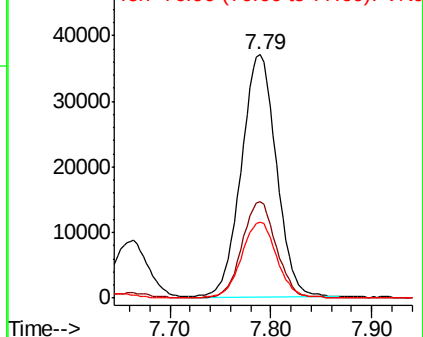


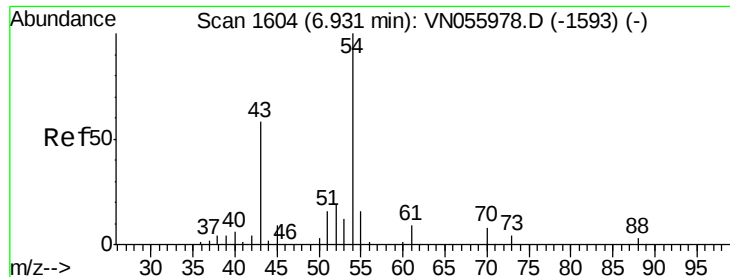
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

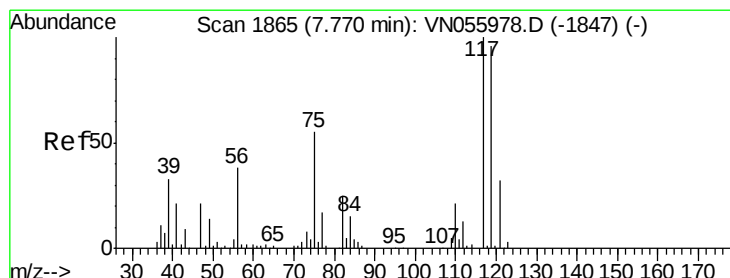
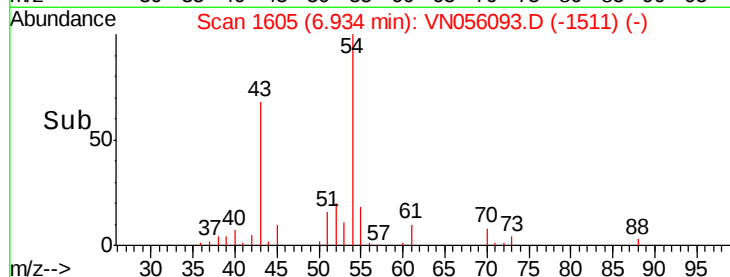
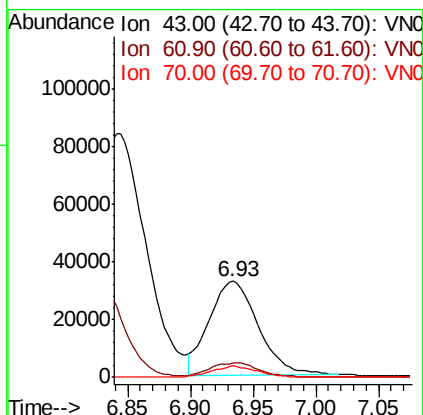
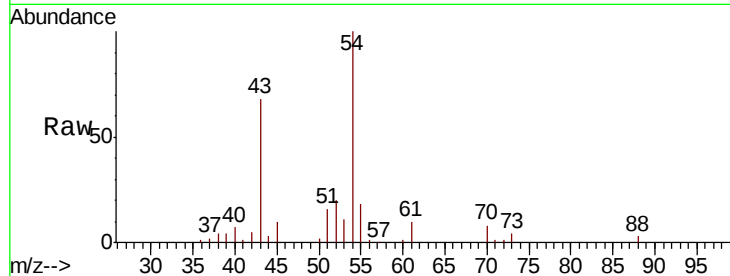




#37
Ethyl Acetate
Concen: 22.216 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN056093.D
Acq: 7 Jun 2019 12:26

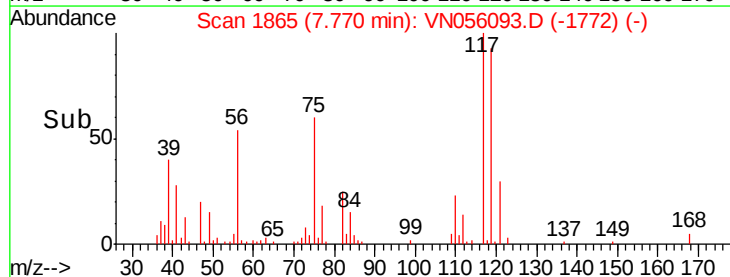
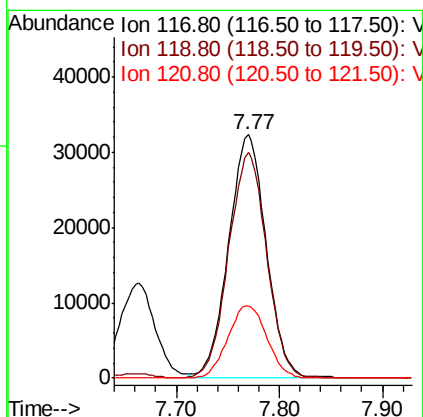
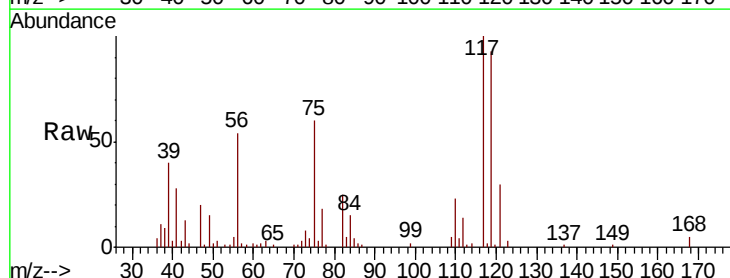
Instrument :
MSVOA_N
ClientSampled :

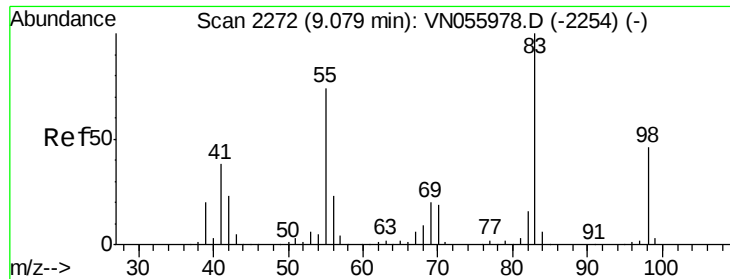
Tot Ion: 43 Resp: 89941
Ion Ratio Lower Upper
43 100
61 15.4 12.2 18.2
70 11.0 8.9 13.3



#38
Carbon Tetrachloride
Concen: 19.583 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN056093.D
Acq: 7 Jun 2019 12:26

Tgt Ion: 117 Resp: 82150
Ion Ratio Lower Upper
117 100
119 92.6 79.0 118.6
121 29.6 24.7 37.1

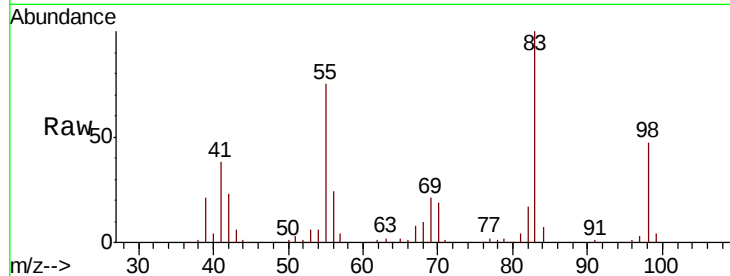




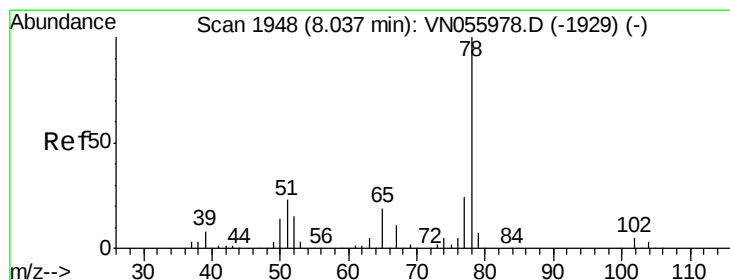
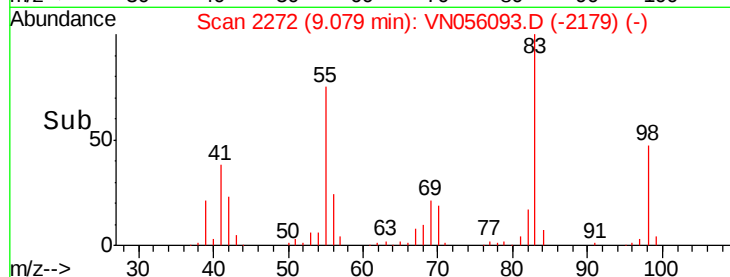
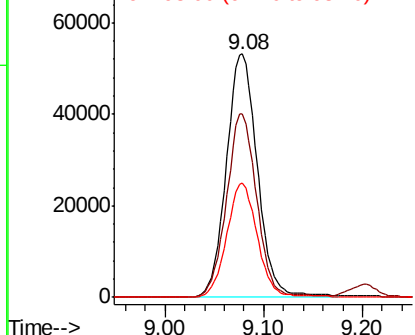
#39
Methvlcvclohexane
Concen: 20.632 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056093.D
Acq: 7 Jun 2019 12:26

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 116948
Ion Ratio Lower Upper
83 100
55 75.2 59.3 88.9
98 46.9 36.6 54.8

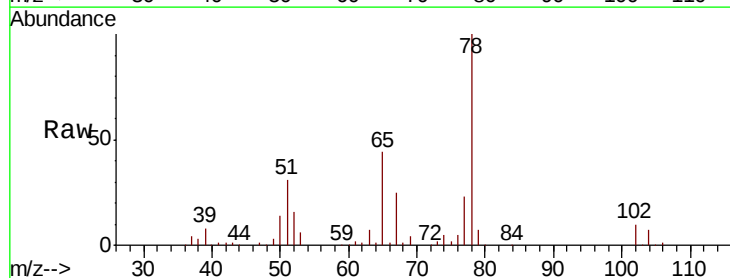


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

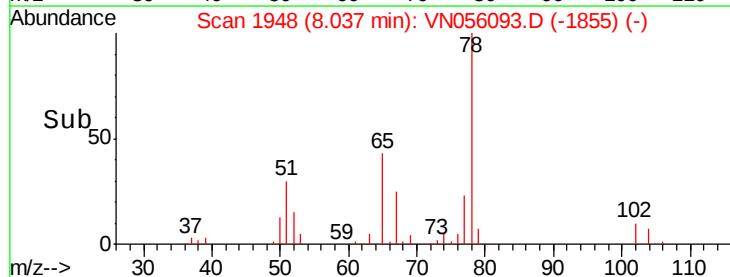
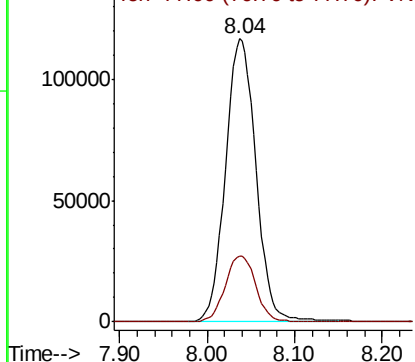


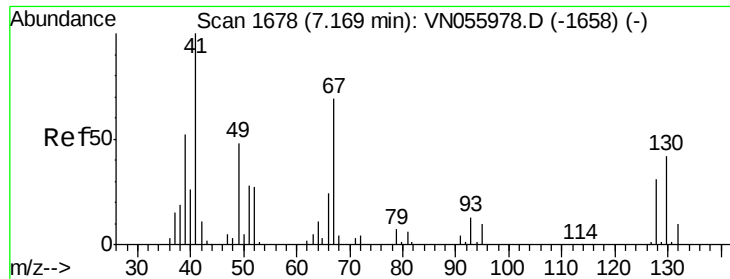
#40
Benzene
Concen: 20.396 ug/l
RT: 8.04 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN056093.D
Acq: 7 Jun 2019 12:26

Tgt Ion: 78 Resp: 281864
Ion Ratio Lower Upper
78 100
77 23.4 18.8 28.2



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

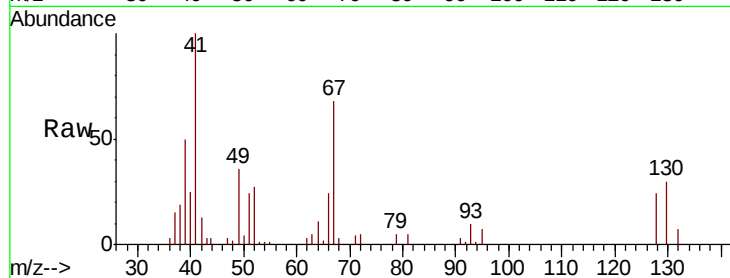




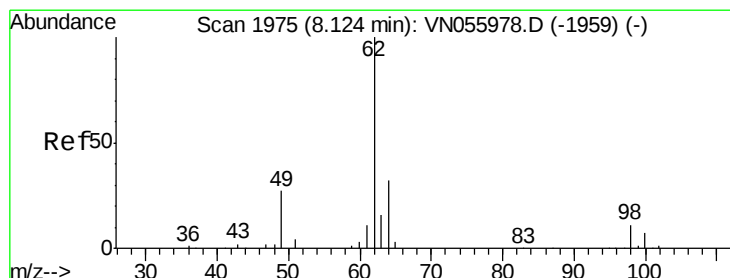
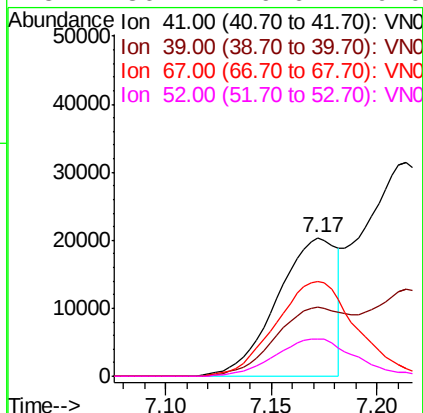
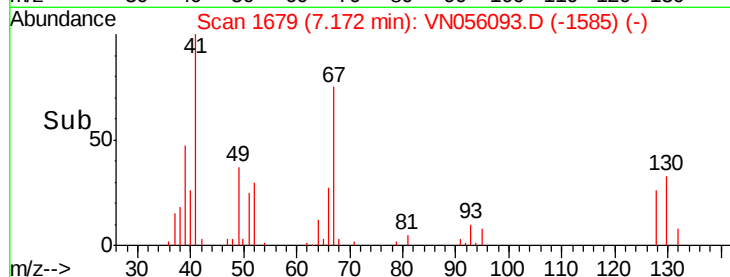
#41
Methacrylonitrile
Concen: 21.519 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN056093.D
Acq: 7 Jun 2019 12:26

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 41 Resp: 40083
Ion Ratio Lower Upper
41 100
39 59.8 45.6 68.4
67 93.7 67.7 101.5
52 36.7 26.6 40.0

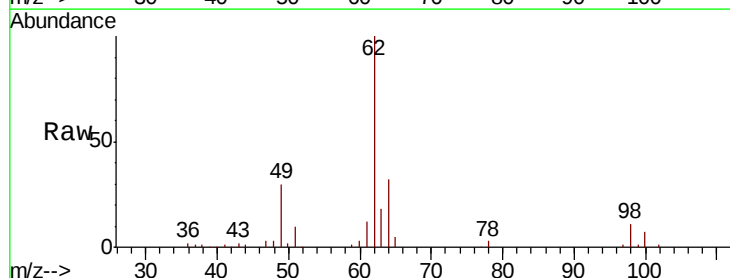


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

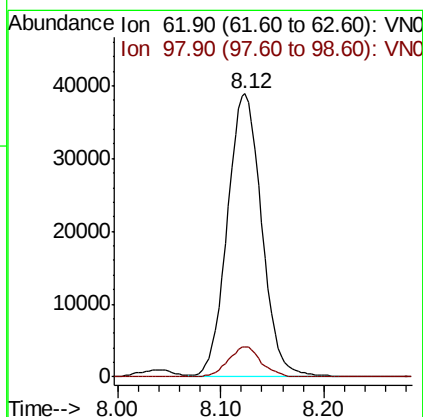
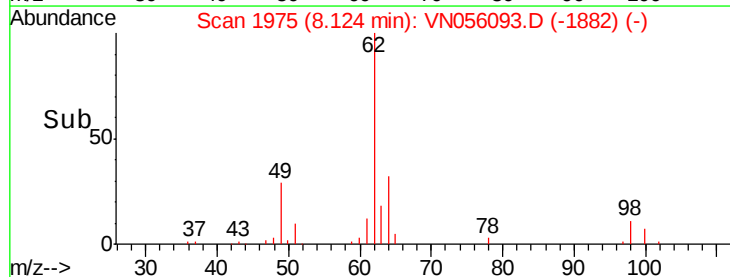


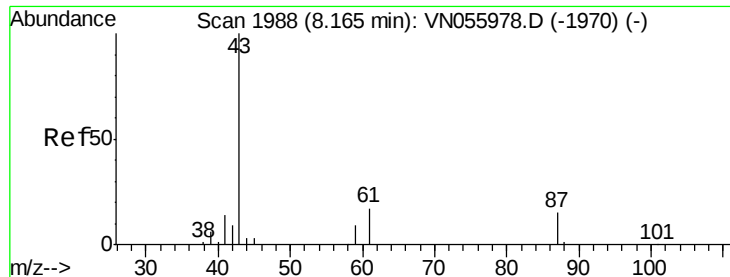
#42
1,2-Dichloroethane
Concen: 20.343 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056093.D
Acq: 7 Jun 2019 12:26

Tgt Ion: 62 Resp: 90432
Ion Ratio Lower Upper
62 100
98 10.1 0.0 20.2



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





#43

Isopropyl Acetate

Concen: 21.194 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056093.D

Acq: 7 Jun 2019 12:26

Instrument :

MSVOA_N

ClientSampleId :

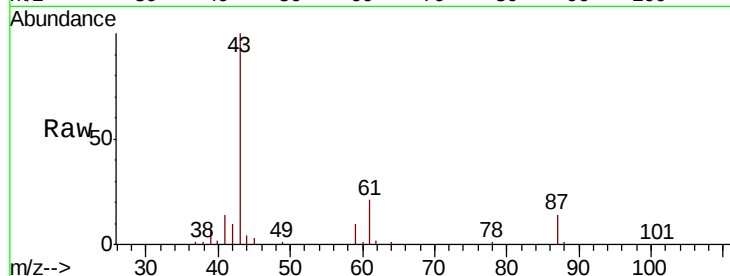
Tot Ion: 43 Resp: 139043

Ion Ratio Lower Upper

43 100

61 20.6 22.2 33.4#

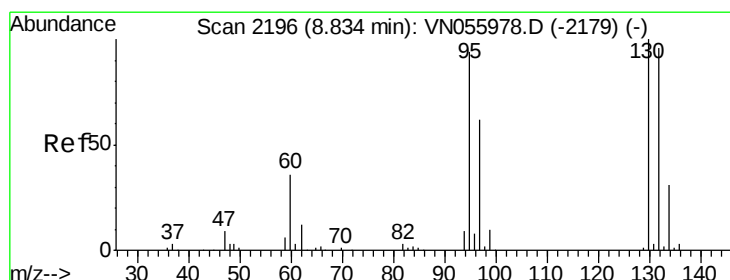
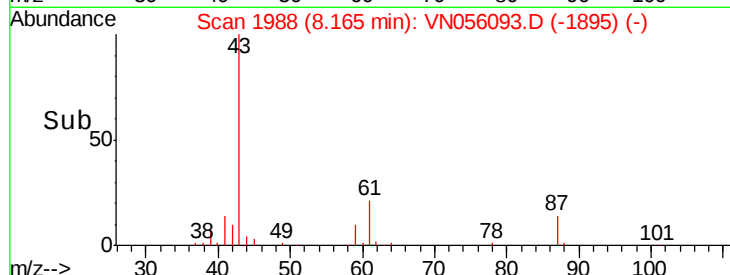
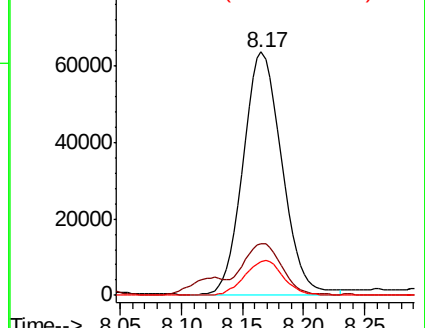
87 14.4 11.4 17.2



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

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

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



#44

Trichloroethene

Concen: 19.945 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN056093.D

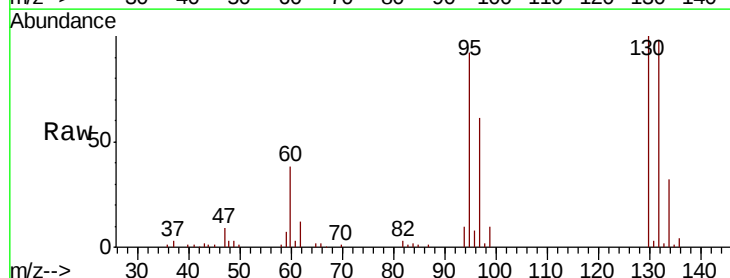
Acq: 7 Jun 2019 12:26

Tgt Ion:130 Resp: 79205

Ion Ratio Lower Upper

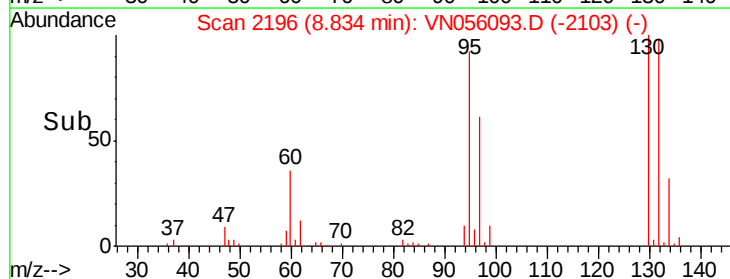
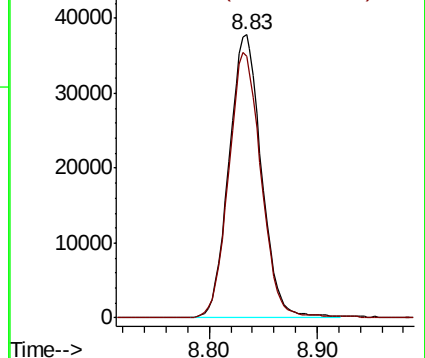
130 100

95 92.4 0.0 188.0



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

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

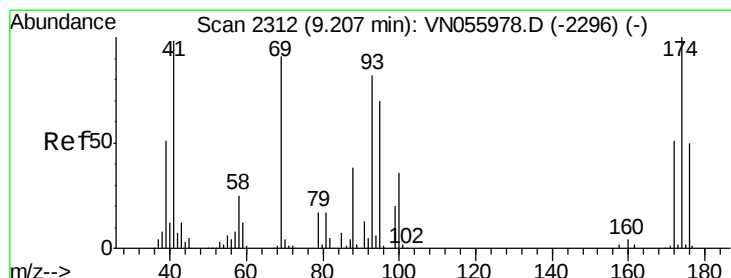
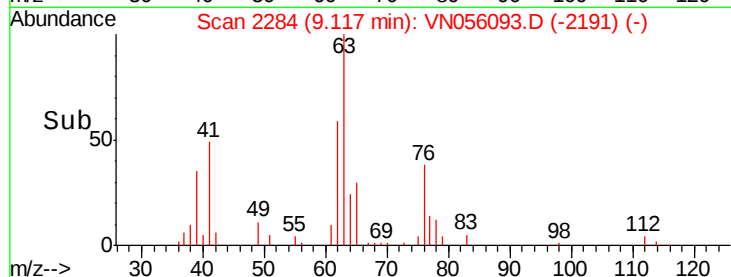
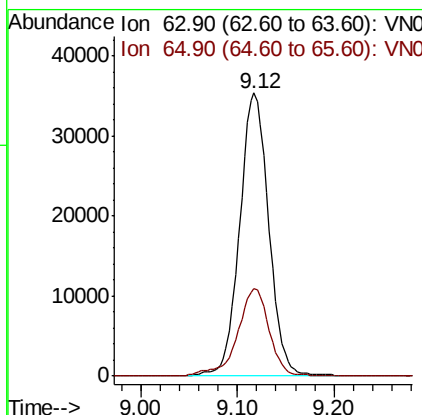
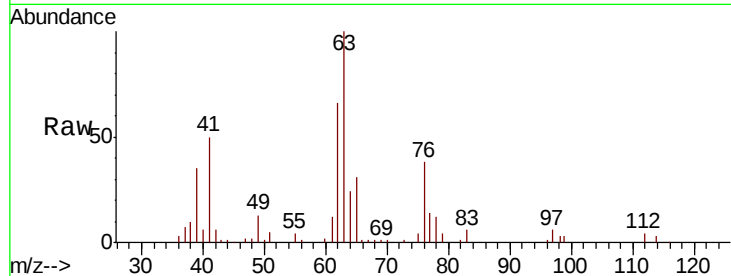




#45
 1,2-Dichloropropane
 Concen: 20.932 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN056093.D
 Acq: 7 Jun 2019 12:26

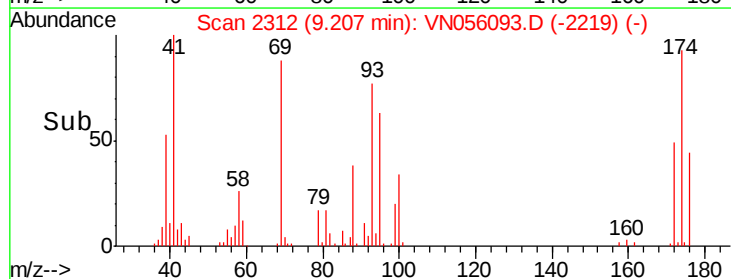
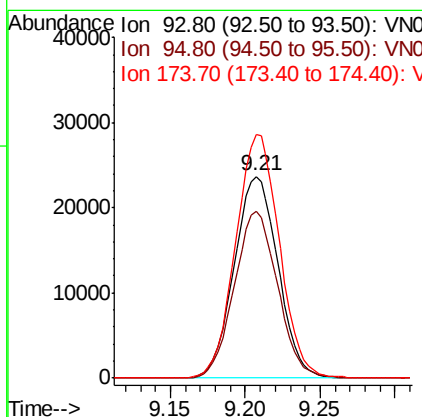
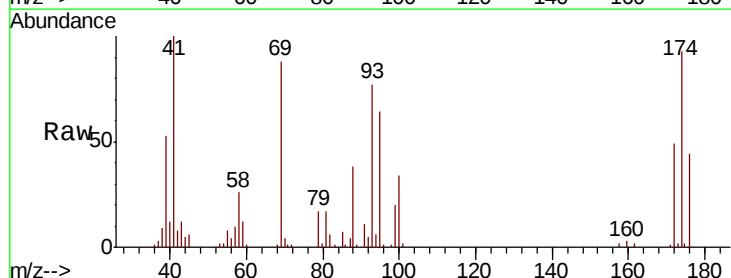
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 63 Resp: 74096
 Ion Ratio Lower Upper
 63 100
 65 30.8 24.6 36.8



#46
 Dibromomethane
 Concen: 20.831 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN056093.D
 Acq: 7 Jun 2019 12:26

Tgt Ion: 93 Resp: 48219
 Ion Ratio Lower Upper
 93 100
 95 81.8 66.7 100.1
 174 120.4 96.4 144.6





#47

Bromodichloromethane

Concen: 19.959 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN056093.D

Acq: 7 Jun 2019 12:26

Instrument :
MSVOA_N
ClientSampled :

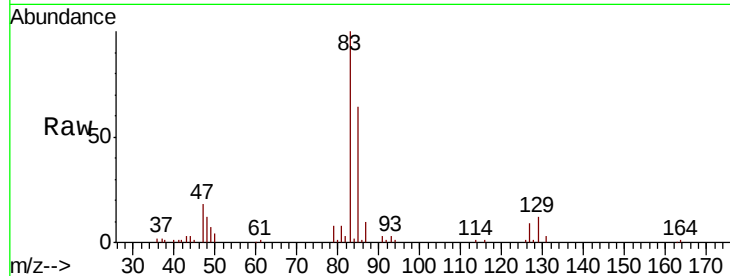
Tot Ion: 83 Resp: 83737

Ion Ratio Lower Upper

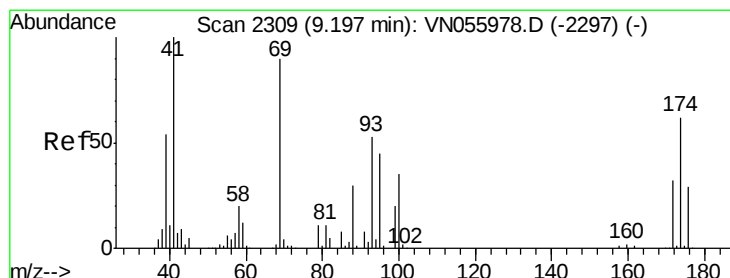
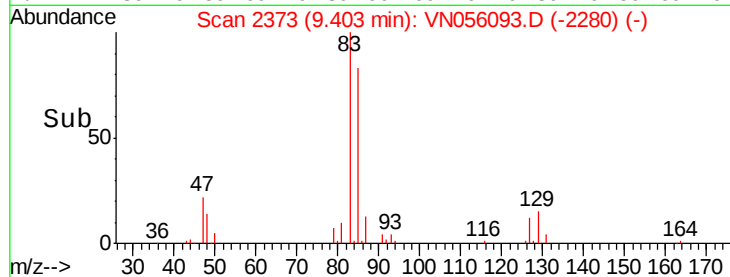
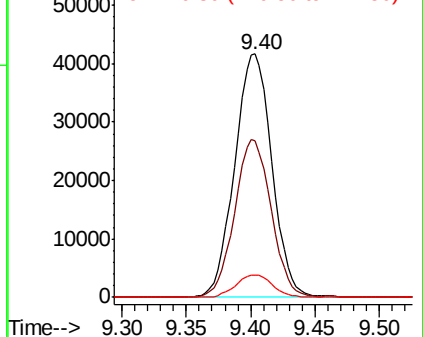
83 100

85 64.1 52.2 78.2

127 9.3 7.4 11.0



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



#48

Methyl methacrylate

Concen: 21.990 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN056093.D

Acq: 7 Jun 2019 12:26

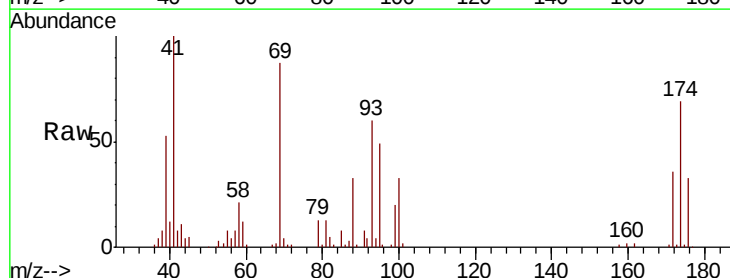
Tgt Ion: 41 Resp: 70578

Ion Ratio Lower Upper

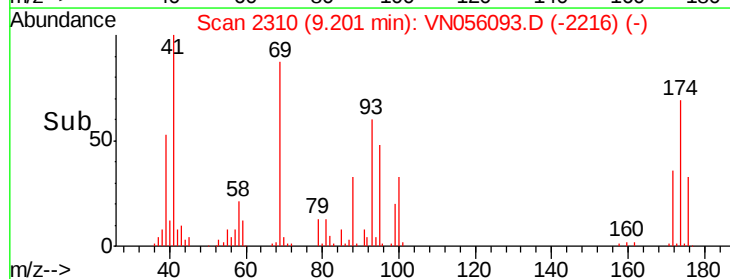
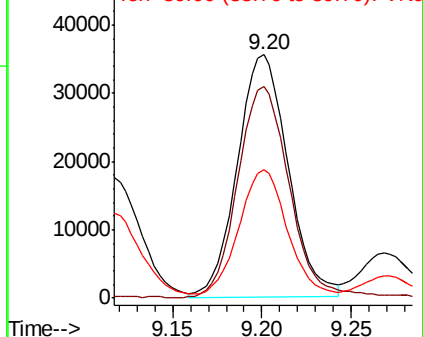
41 100

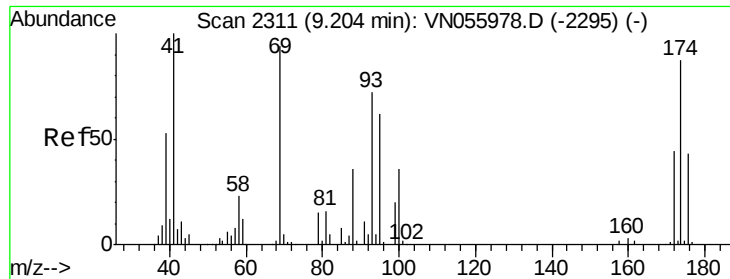
69 89.8 71.0 106.6

39 52.1 44.2 66.2



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

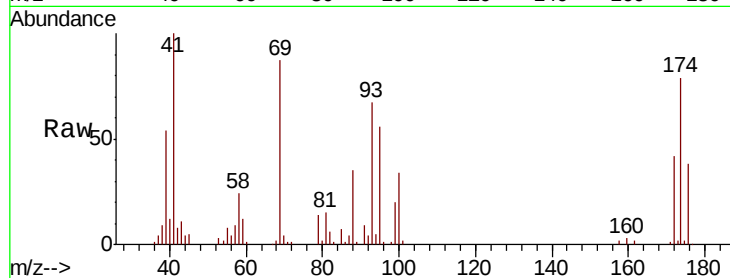




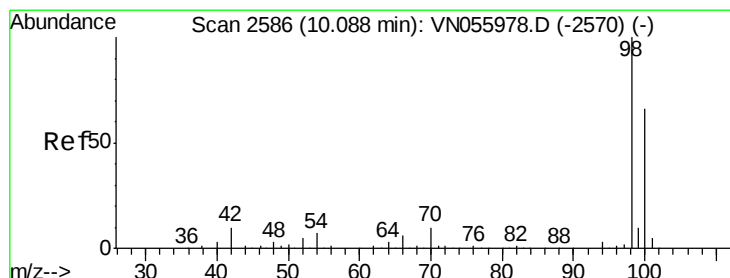
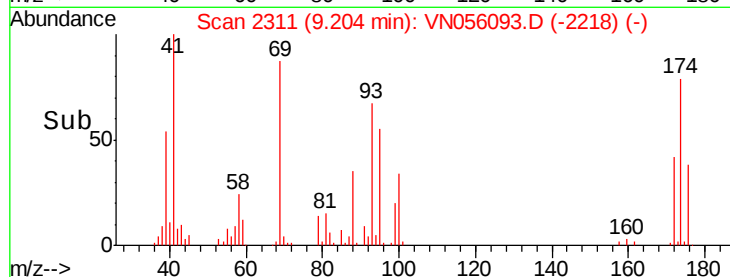
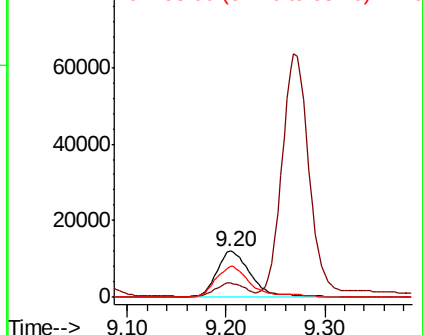
#49
1,4-Dioxane
Concen: 429.345 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN056093.D
Acq: 7 Jun 2019 12:26

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 88 Resp: 29750
Ion Ratio Lower Upper
88 100
43 24.7 20.5 30.7
58 63.5 55.8 83.6

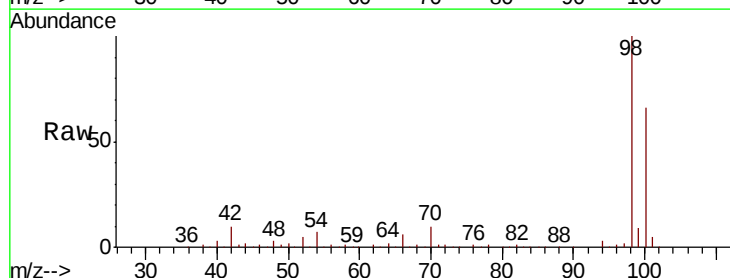


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

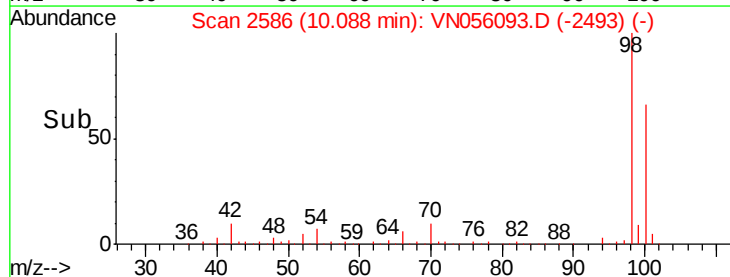
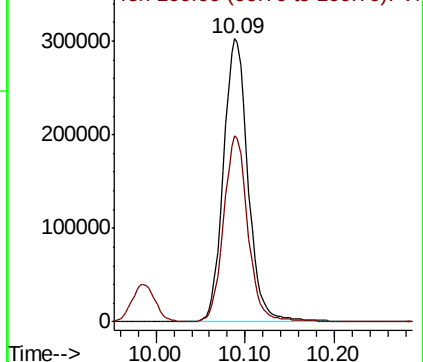


#50
Toluene-d8
Concen: 46.290 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN056093.D
Acq: 7 Jun 2019 12:26

Tgt Ion: 98 Resp: 578305
Ion Ratio Lower Upper
98 100
100 64.7 51.9 77.9



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





#51

4-Methyl-2-Pentanone

Concen: 112.686 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056093.D

Acq: 7 Jun 2019 12:26

Instrument :

MSVOA_N

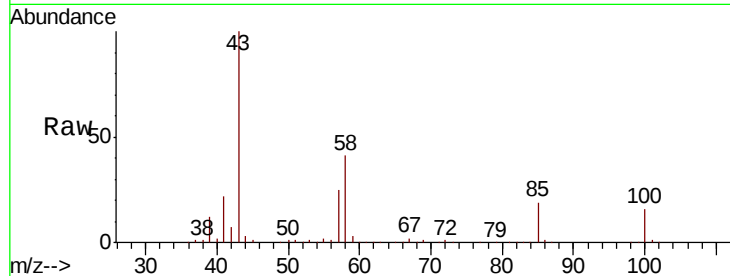
ClientSampled :

Tot Ion: 43 Resp: 462308

Ion Ratio Lower Upper

43 100

58 40.8 32.1 48.1



Abundance Ion 43.00 (42.70 to 43.70): VN055978.D (-2538) (-)

Ion 58.00 (57.70 to 58.70): VN055978.D (-2538) (-)

9.99

250000

200000

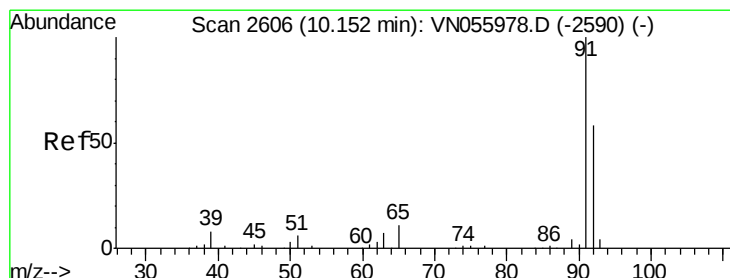
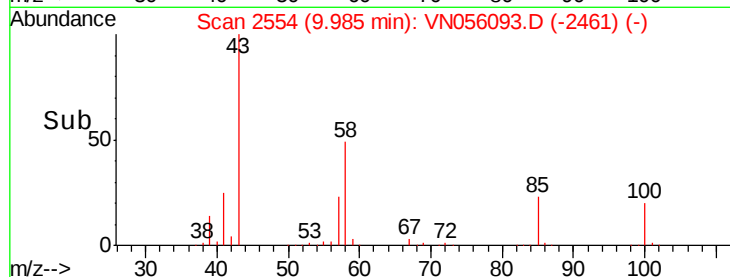
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 20.818 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056093.D

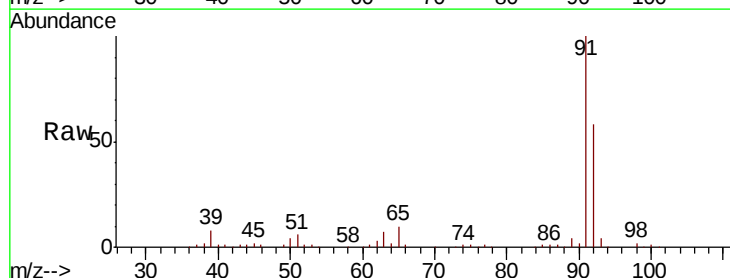
Acq: 7 Jun 2019 12:26

Tgt Ion: 92 Resp: 179023

Ion Ratio Lower Upper

92 100

91 173.6 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN055978.D (-2590) (-)

Ion 91.00 (90.70 to 91.70): VN055978.D (-2590) (-)

10.16

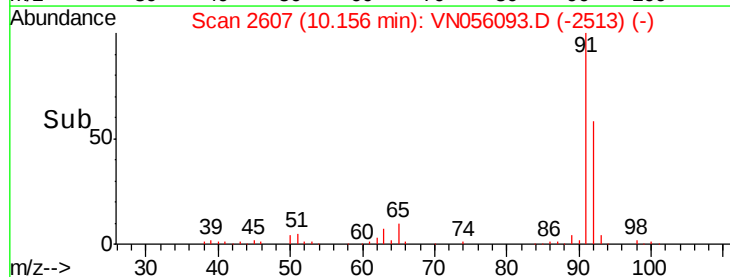
150000

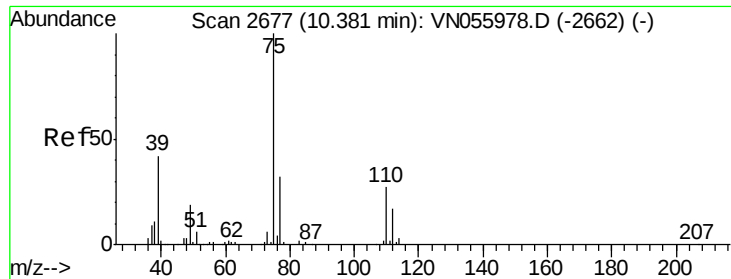
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 18.933 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN056093.D

Acq: 7 Jun 2019 12:26

Instrument :

MSVOA_N

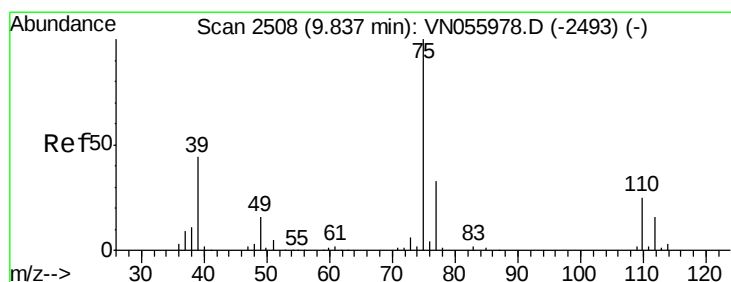
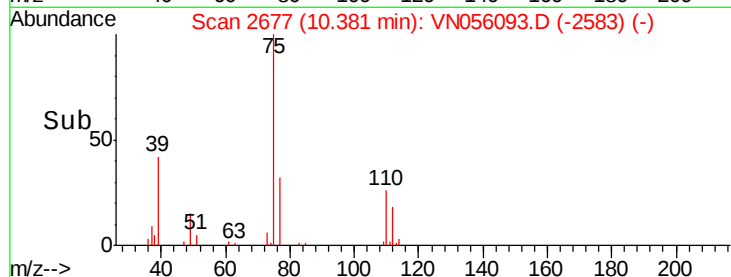
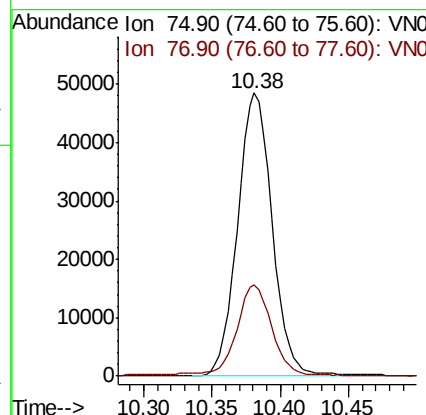
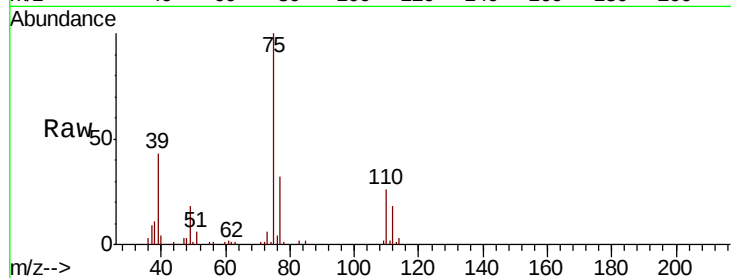
ClientSampled :

Tot Ion: 75 Resp: 85430

Ion Ratio Lower Upper

75 100

77 32.0 25.8 38.6



#54

cis-1,3-Dichloropropene

Concen: 20.398 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. 0.00 min

Lab File: VN056093.D

Acq: 7 Jun 2019 12:26

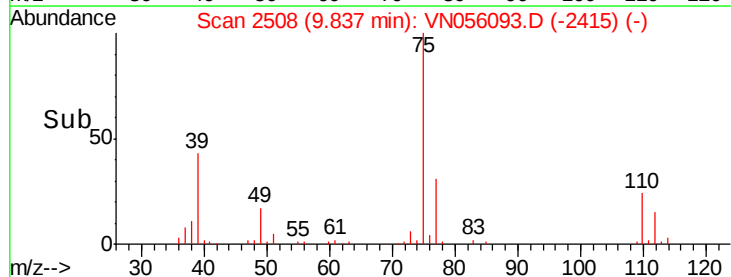
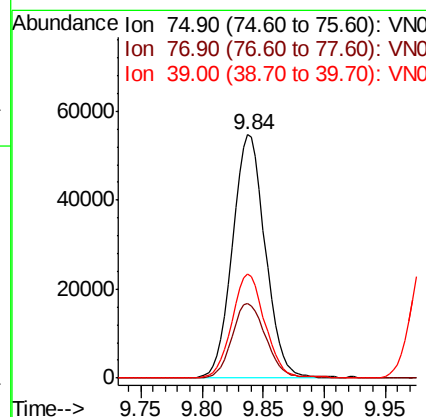
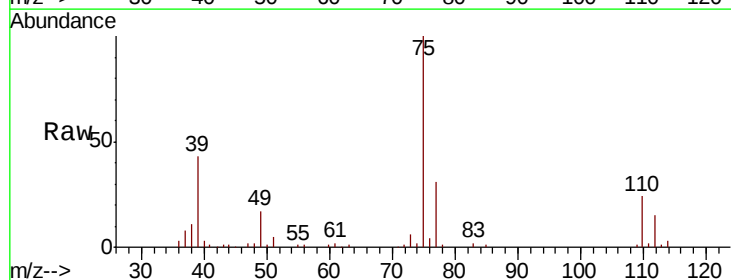
Tgt Ion: 75 Resp: 102864

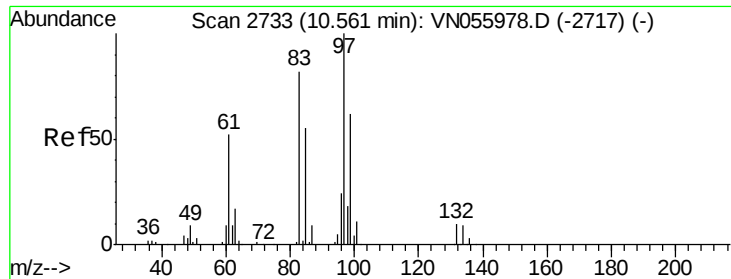
Ion Ratio Lower Upper

75 100

77 30.8 25.4 38.0

39 42.9 36.3 54.5

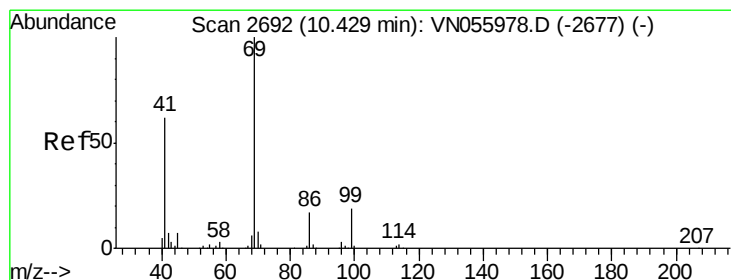
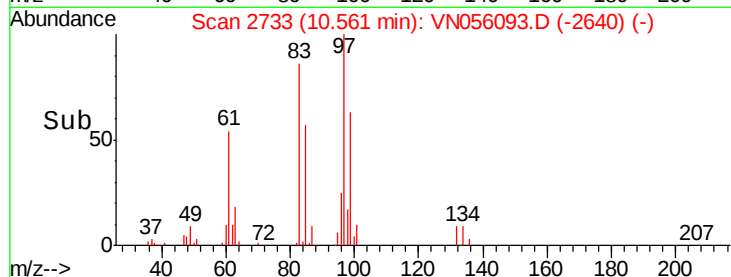
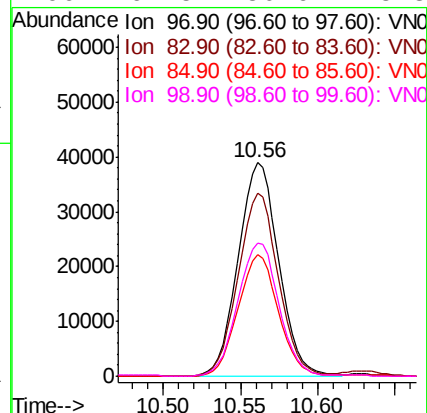
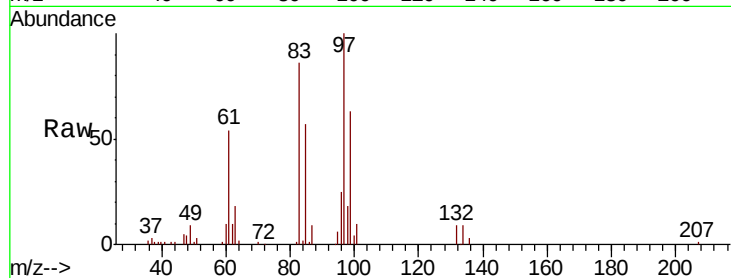




#55
 1,1,2-Trichloroethane
 Concen: 20.821 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN056093.D
 Acq: 7 Jun 2019 12:26

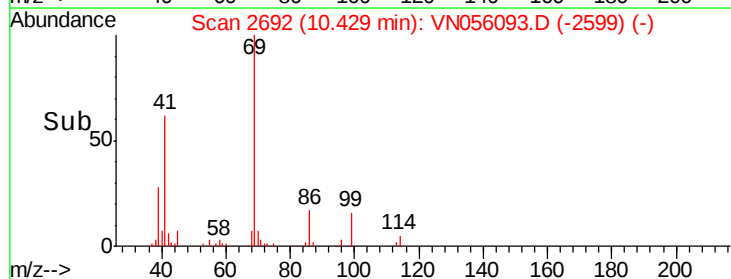
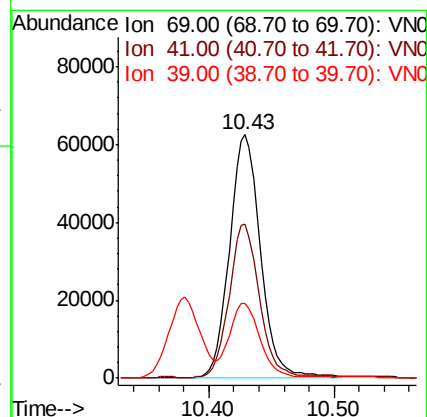
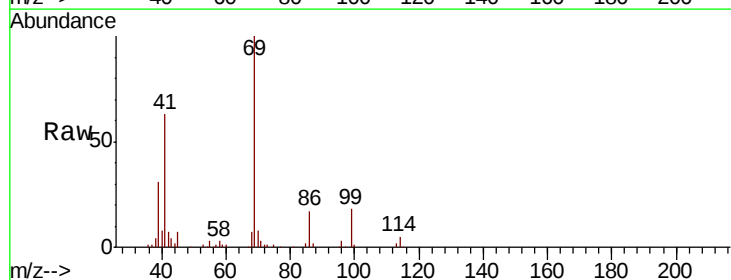
Instrument :
 MSVOA_N
 ClientSampled :

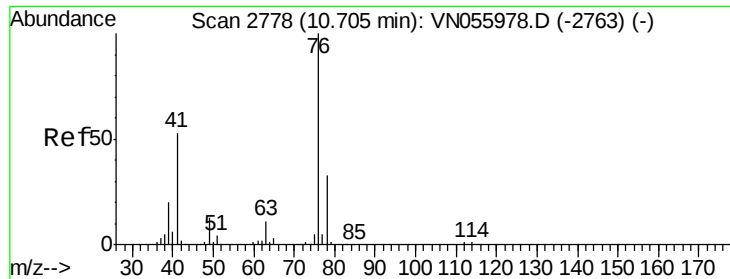
Tot Ion:	97	Resp:	70927
Ion	Ratio	Lower	Upper
97	100		
83	85.7	67.0	100.6
85	57.2	44.0	66.0
99	62.5	50.6	75.8



#56
 Ethyl methacrylate
 Concen: 21.623 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN056093.D
 Acq: 7 Jun 2019 12:26

Tgt Ion:	69	Resp:	107459
Ion	Ratio	Lower	Upper
69	100		
41	61.0	49.7	74.5
39	29.1	24.7	37.1

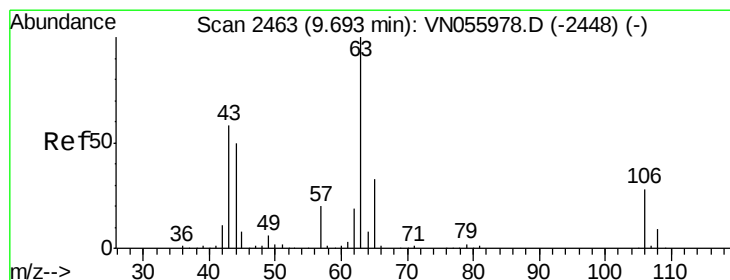
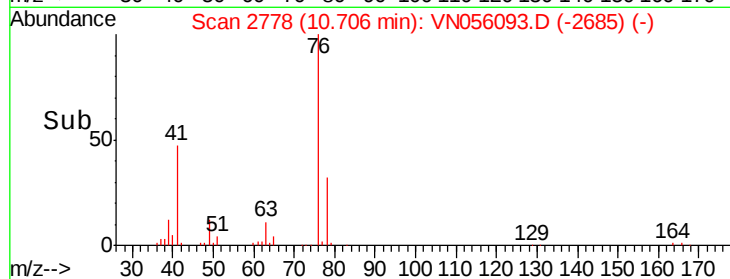
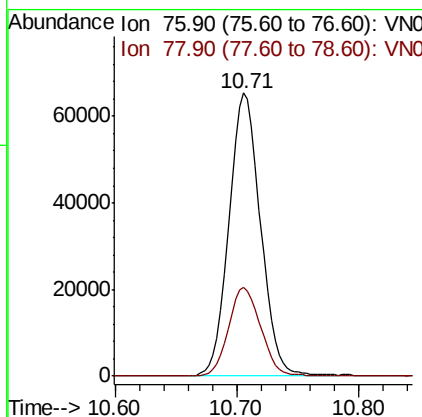
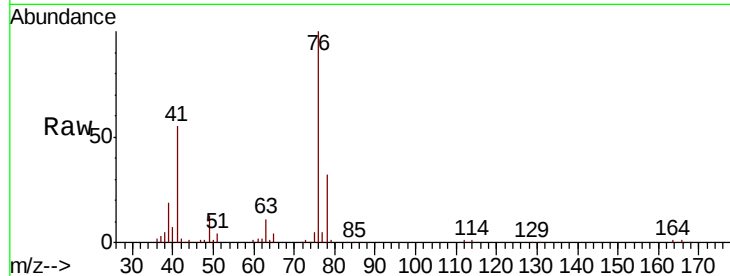




#57
 1,3-Dichloropropane
 Concen: 21.295 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN056093.D
 Acq: 7 Jun 2019 12:26

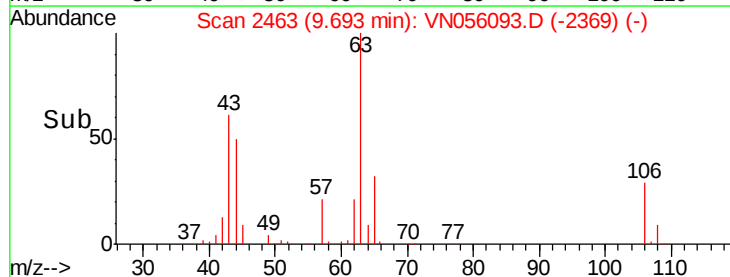
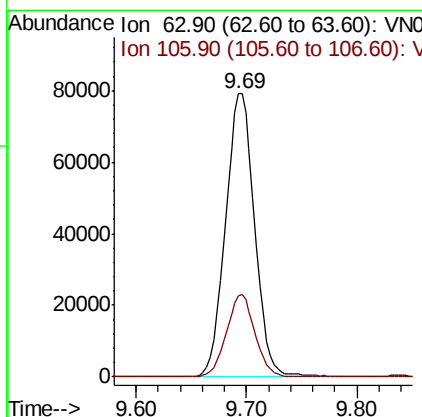
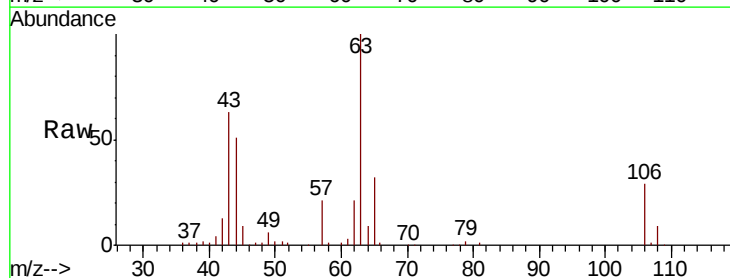
Instrument :
 MSVOA_N
 ClientSampled :

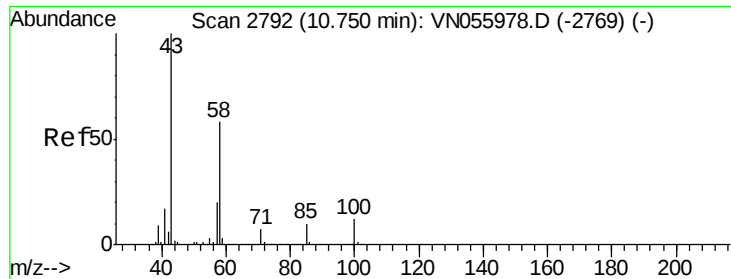
Tot Ion: 76 Resp: 117926
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 83.864 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VN056093.D
 Acq: 7 Jun 2019 12:26

Tgt Ion: 63 Resp: 144534
 Ion Ratio Lower Upper
 63 100
 106 28.3 22.7 34.1

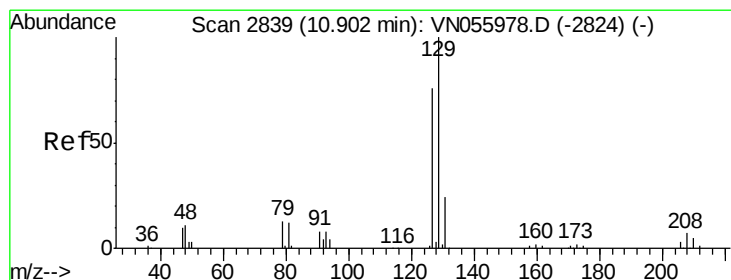
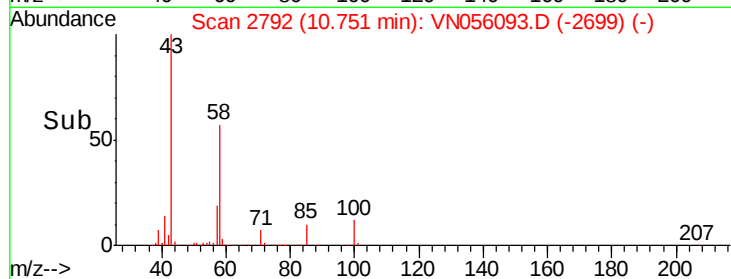
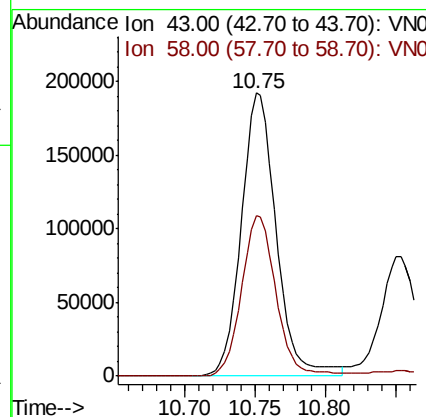
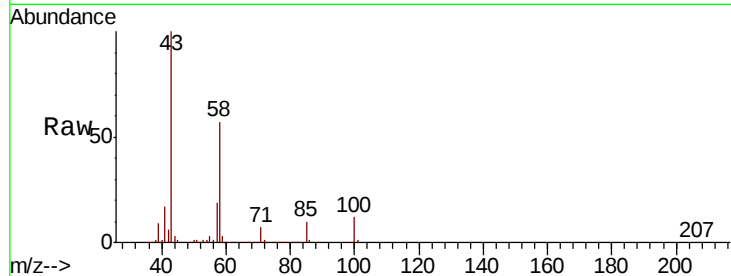




#59
2-Hexanone
Concen: 111.728 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN056093.D
Acq: 7 Jun 2019 12:26

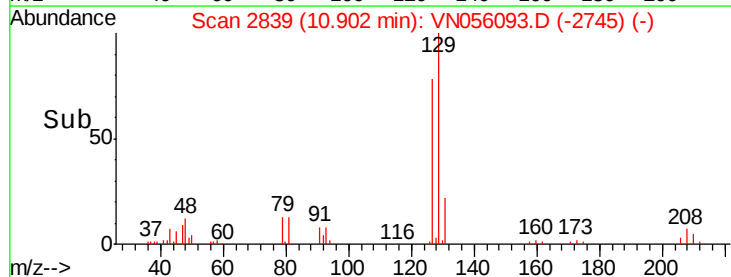
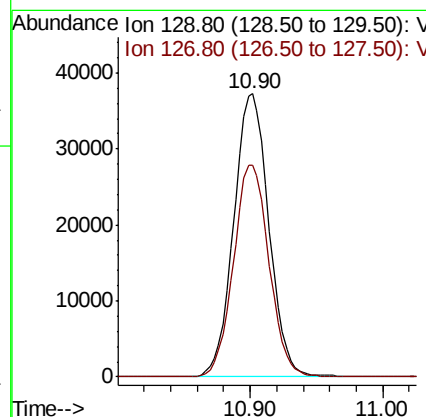
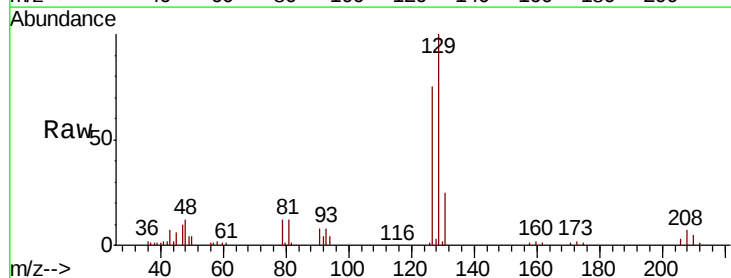
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 332224
Ion Ratio Lower Upper
43 100
58 56.3 28.2 84.7



#60
Dibromochloromethane
Concen: 19.739 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056093.D
Acq: 7 Jun 2019 12:26

Tgt Ion: 129 Resp: 68295
Ion Ratio Lower Upper
129 100
127 75.9 38.1 114.3





#61

1,2-Dibromoethane

Concen: 21.212 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN056093.D

Acq: 7 Jun 2019 12:26

Instrument :

MSVOA_N

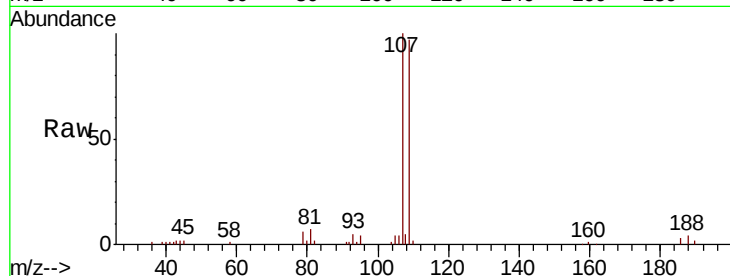
ClientSampleId :

Tot Ion:107 Resp: 73868

Ion Ratio Lower Upper

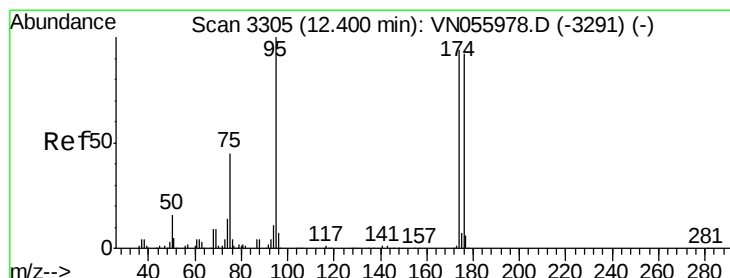
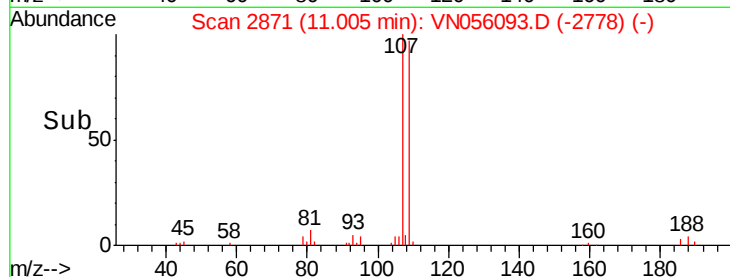
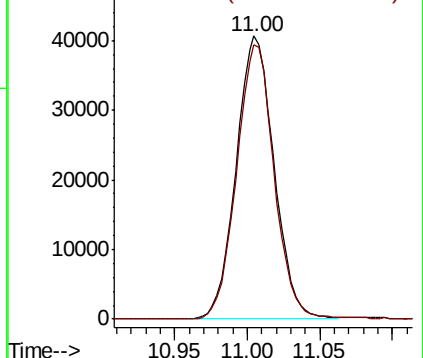
107 100

109 95.7 74.8 112.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 46.270 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056093.D

Acq: 7 Jun 2019 12:26

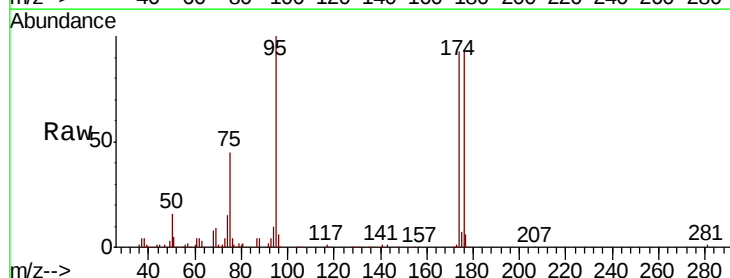
Tgt Ion: 95 Resp: 196585

Ion Ratio Lower Upper

95 100

174 94.6 0.0 191.0

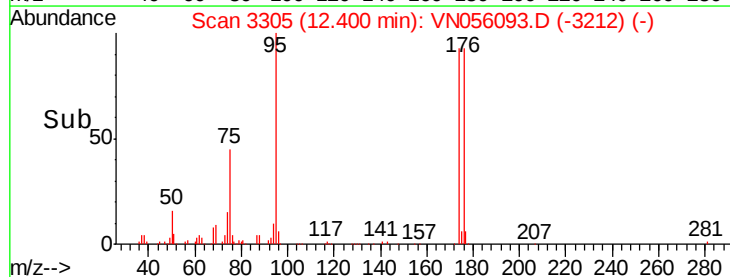
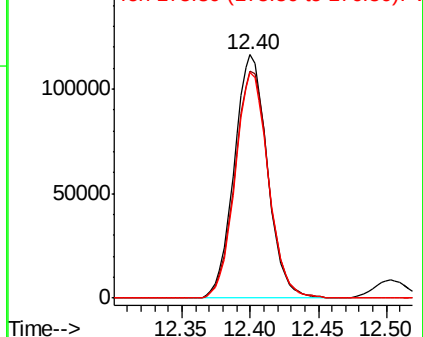
176 92.9 0.0 185.2

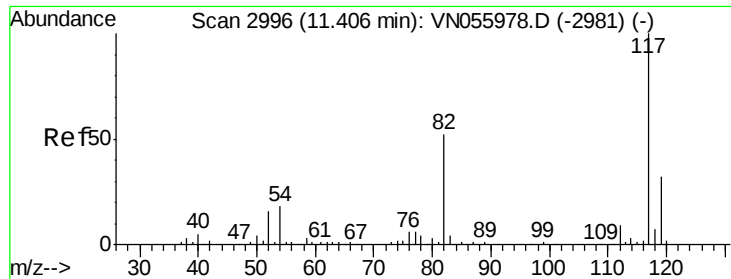


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

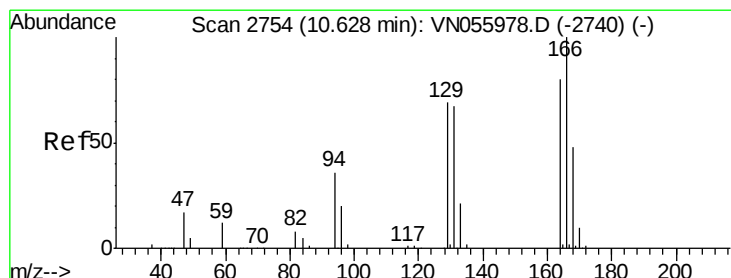
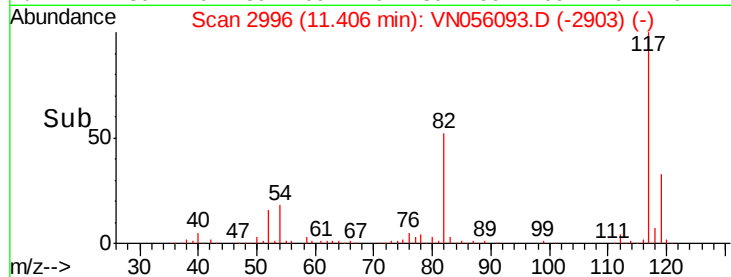
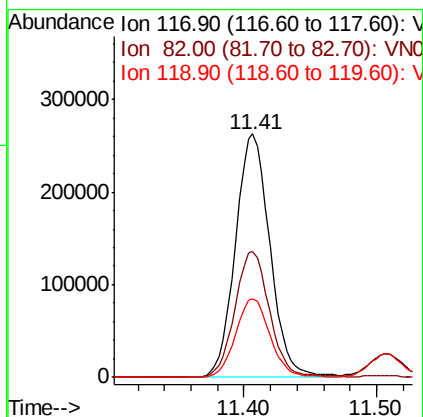
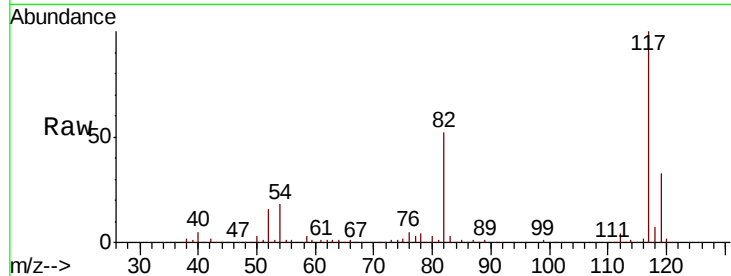




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056093.D
Acq: 7 Jun 2019 12:26

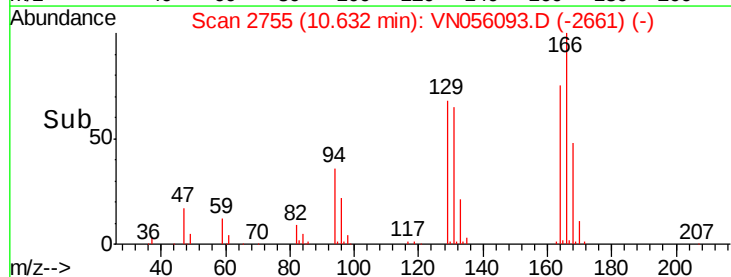
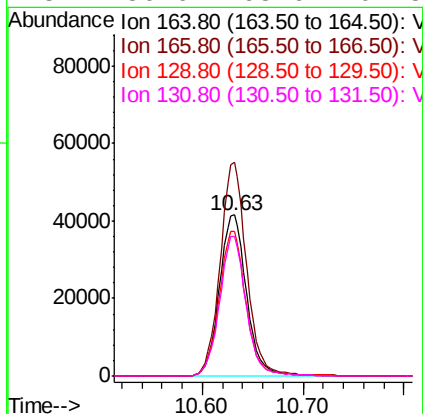
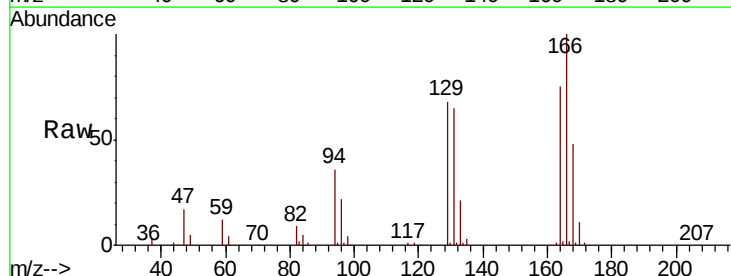
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 475566
Ion Ratio Lower Upper
117 100
82 51.9 41.8 62.8
119 32.5 25.4 38.0



#64
Tetrachloroethene
Concen: 19.003 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN056093.D
Acq: 7 Jun 2019 12:26

Tgt Ion:164 Resp: 78225
Ion Ratio Lower Upper
164 100
166 132.6 103.0 154.6
129 89.8 70.6 105.8
131 86.6 68.6 102.8

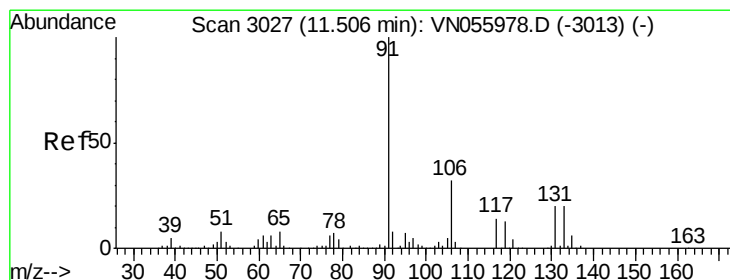
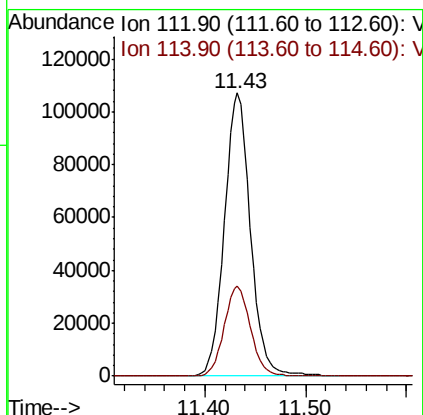
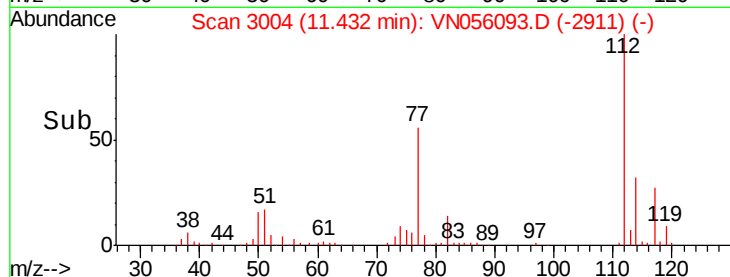
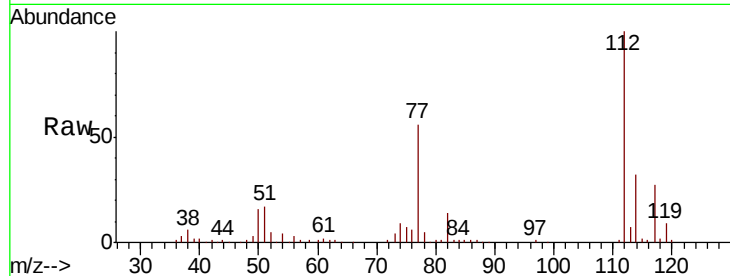




#65
Chlorobenzene
Concen: 20.417 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056093.D
Acq: 7 Jun 2019 12:26

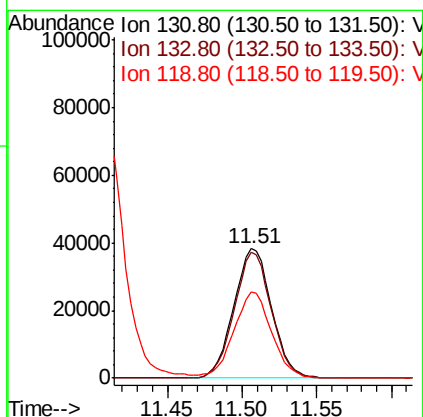
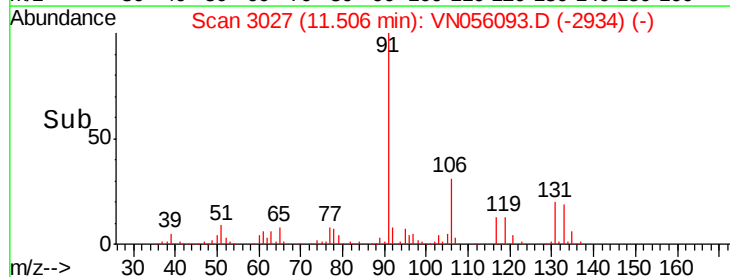
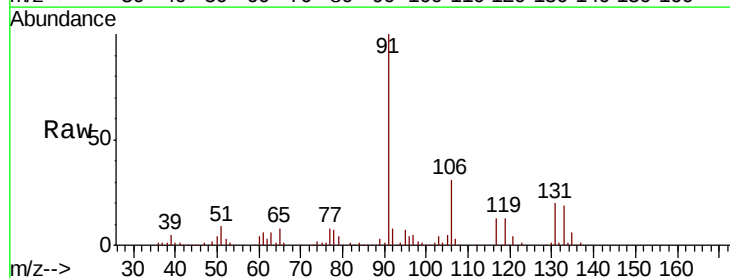
Instrument :
MSVOA_N
ClientSampled :

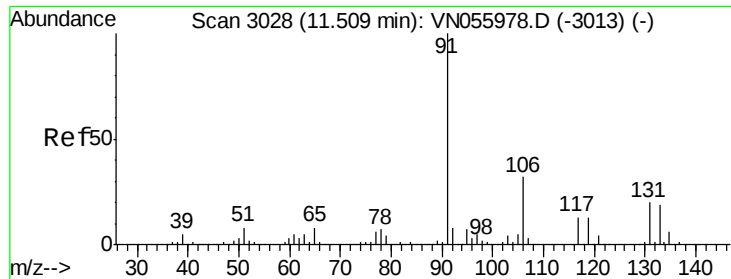
Tot Ion:112 Resp: 193240
Ion Ratio Lower Upper
112 100
114 31.6 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 20.591 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN056093.D
Acq: 7 Jun 2019 12:26

Tgt Ion:131 Resp: 67291
Ion Ratio Lower Upper
131 100
133 95.5 48.0 144.0
119 66.5 33.1 99.5





#67

Ethyl Benzene

Concen: 20.683 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN056093.D

Acq: 7 Jun 2019 12:26

Instrument :

MSVOA_N

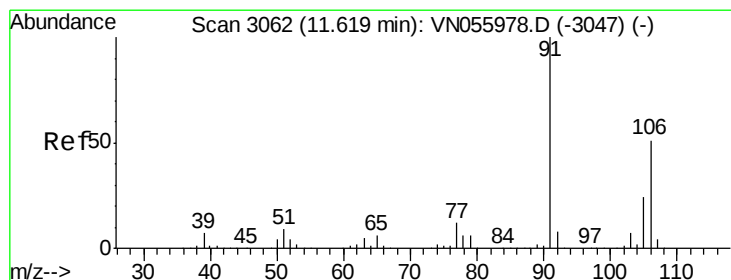
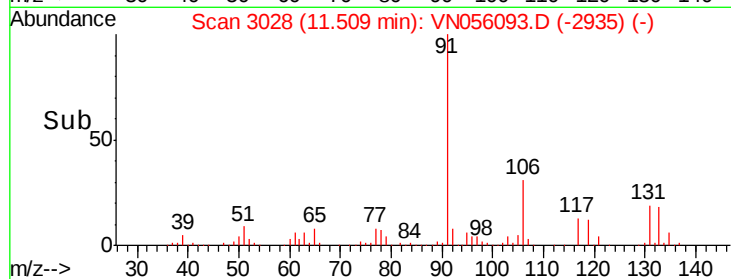
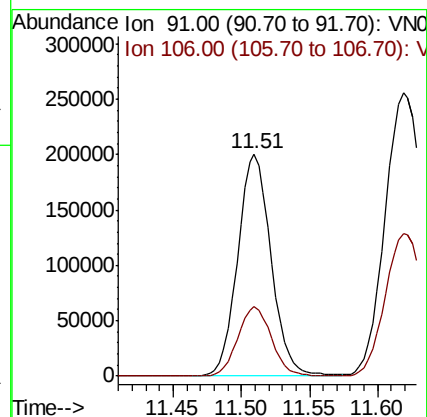
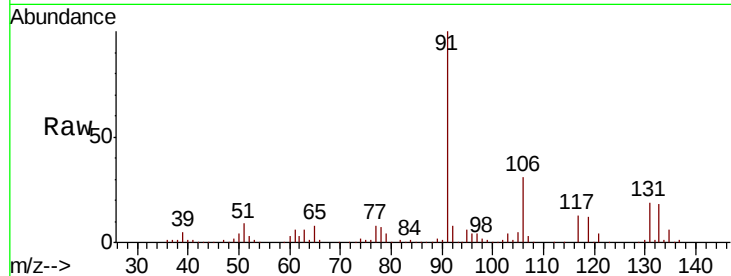
ClientSampled :

Tot Ion: 91 Resp: 340401

Ion Ratio Lower Upper

91 100

106 31.0 25.1 37.7



#68

m/p-Xylenes

Concen: 41.027 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN056093.D

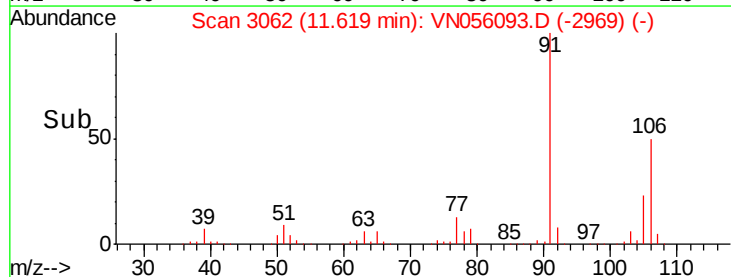
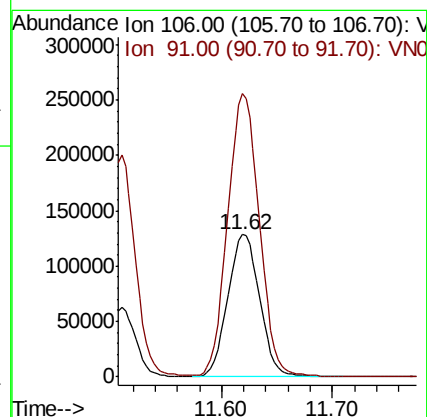
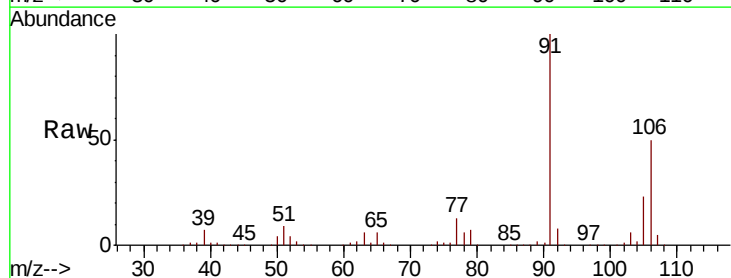
Acq: 7 Jun 2019 12:26

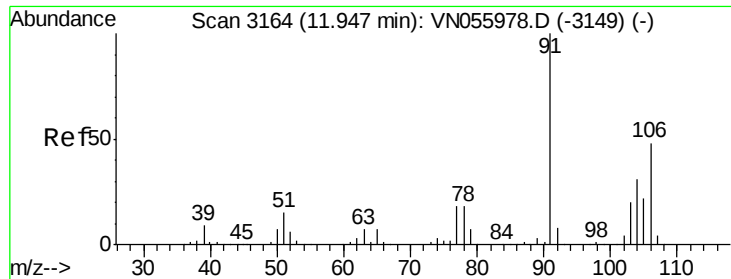
Tgt Ion: 106 Resp: 257934

Ion Ratio Lower Upper

106 100

91 198.1 159.3 238.9

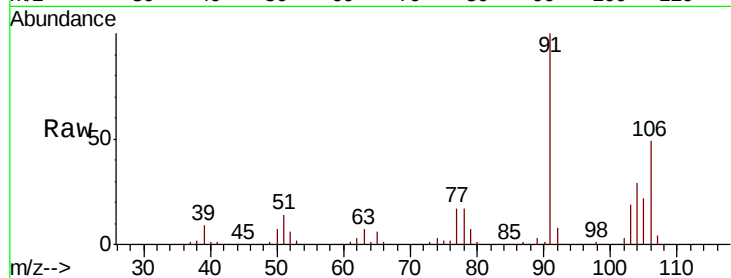




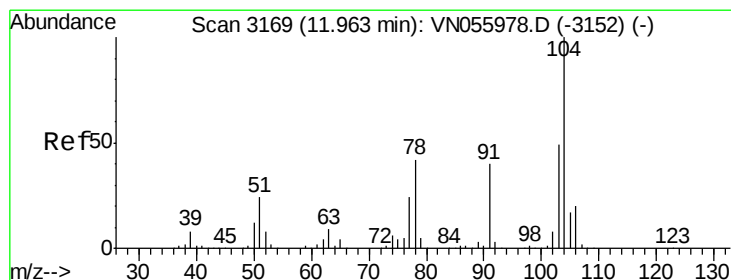
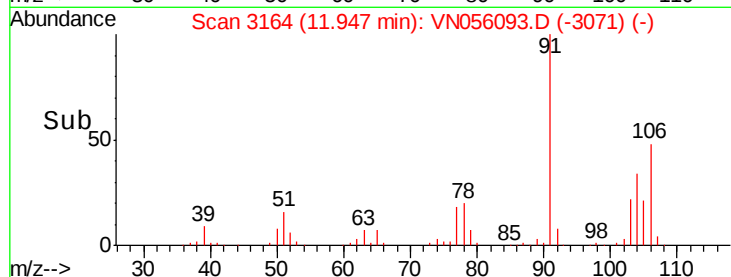
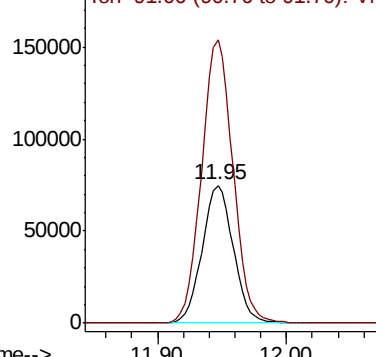
#69
o-Xylene
Concen: 20.303 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056093.D
Acq: 7 Jun 2019 12:26

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:106 Resp: 125560
Ion Ratio Lower Upper
106 100
91 207.2 104.7 314.1

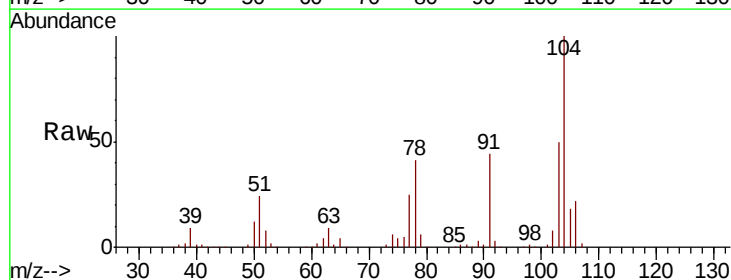


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

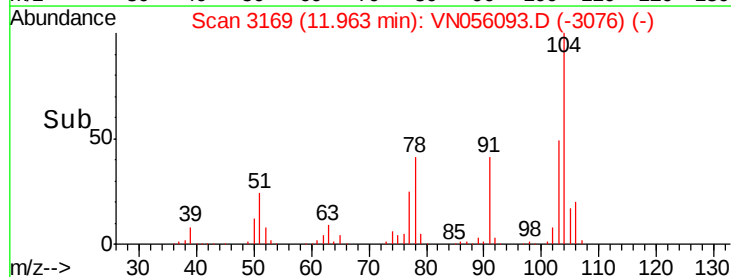
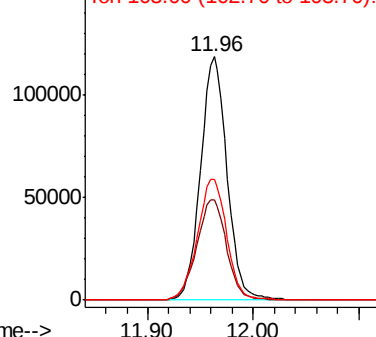


#70
Styrene
Concen: 20.926 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056093.D
Acq: 7 Jun 2019 12:26

Tgt Ion:104 Resp: 205615
Ion Ratio Lower Upper
104 100
78 46.5 37.8 56.6
103 54.9 44.2 66.2



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN0
Ion 103.00 (102.70 to 103.70): V

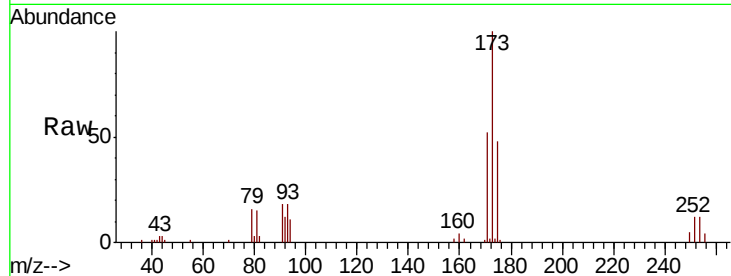




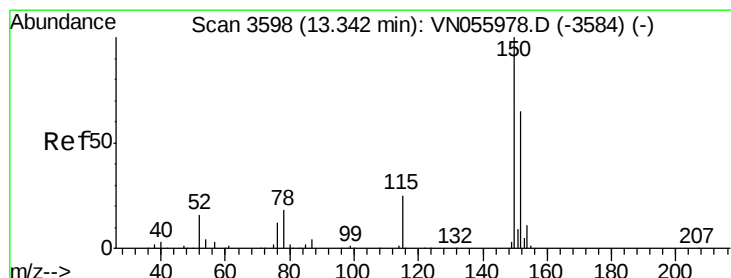
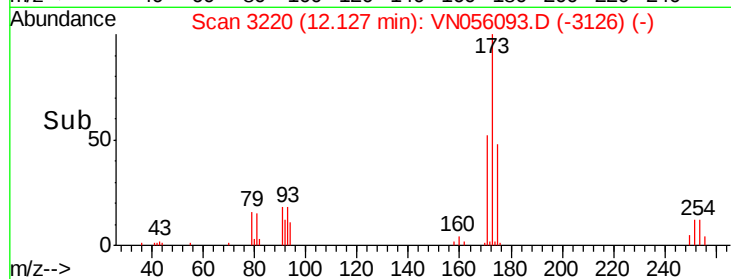
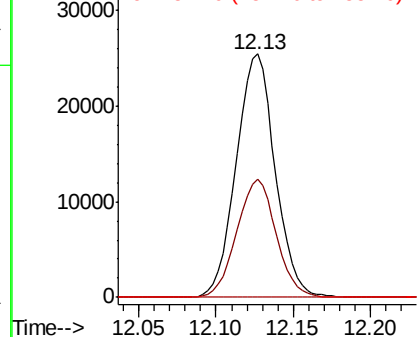
#71
Bromoform
Concen: 18.053 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056093.D
Acq: 7 Jun 2019 12:26

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:173 Resp: 44447
Ion Ratio Lower Upper
173 100
175 49.0 24.3 72.8
254 0.0 0.0 0.0

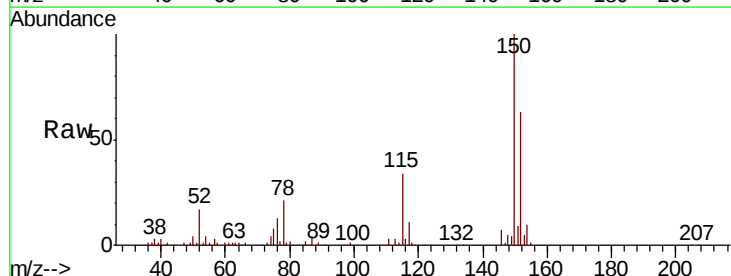


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

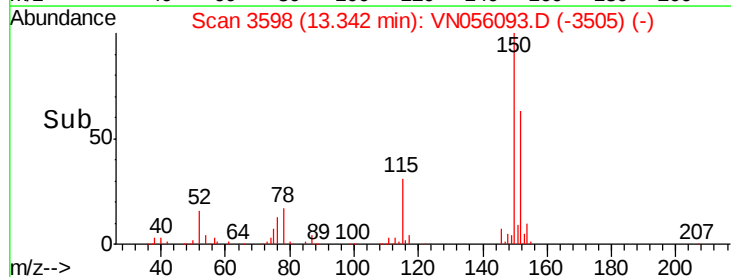
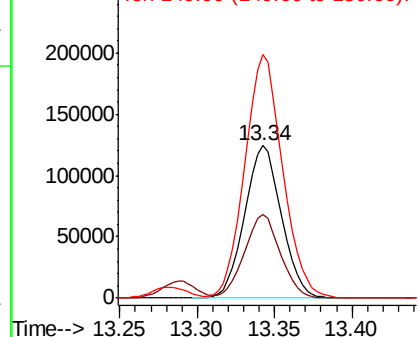


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN056093.D
Acq: 7 Jun 2019 12:26

Tgt Ion:152 Resp: 205507
Ion Ratio Lower Upper
152 100
115 53.8 27.0 81.0
150 164.7 0.0 343.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.478 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN056093.D

Acq: 7 Jun 2019 12:26

Instrument :

MSVOA_N

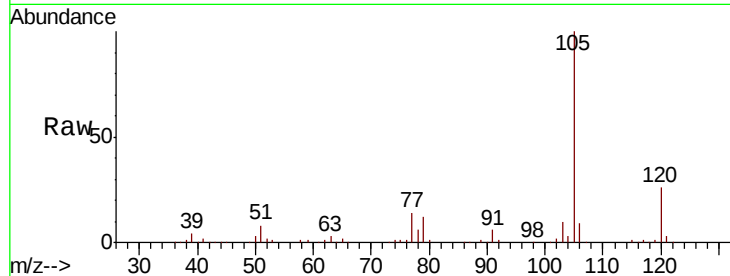
ClientSampled :

Tot Ion:105 Resp: 334840

Ion Ratio Lower Upper

105 100

120 26.9 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

200000

150000

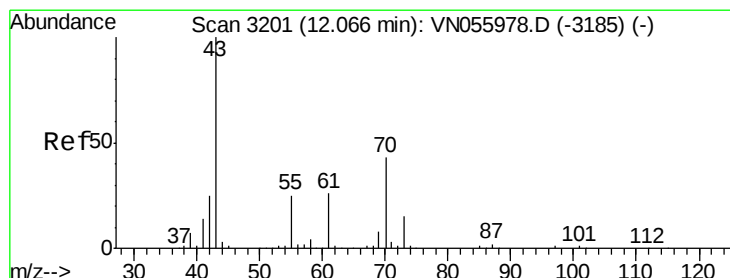
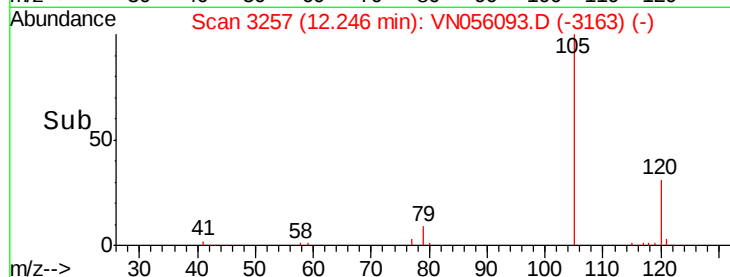
100000

50000

0

Time-->

12.20 12.30



#74

N-ethyl acetate

Concen: 21.866 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056093.D

Acq: 7 Jun 2019 12:26

Tgt Ion: 43 Resp: 119783

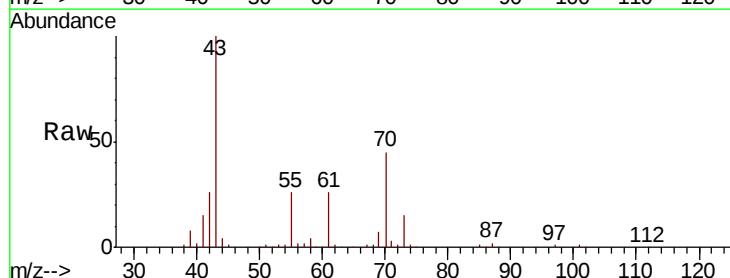
Ion Ratio Lower Upper

43 100

70 44.2 34.0 51.0

55 25.8 18.6 28.0

61 25.4 20.0 30.0



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

120000

100000

80000

60000

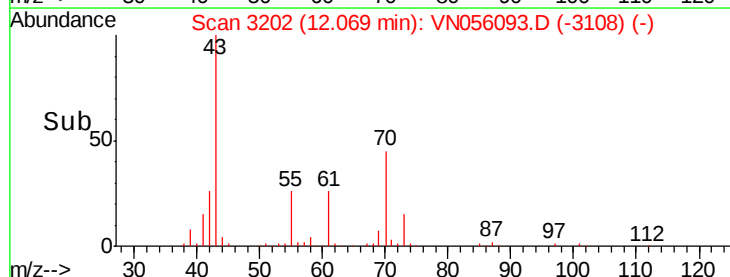
40000

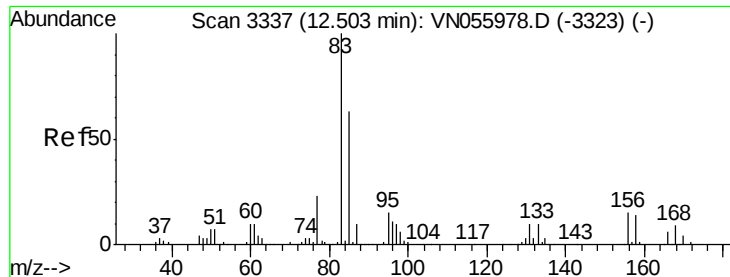
20000

0

Time-->

12.00 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 20.986 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056093.D

Acq: 7 Jun 2019 12:26

Instrument :

MSVOA_N

ClientSampleId :

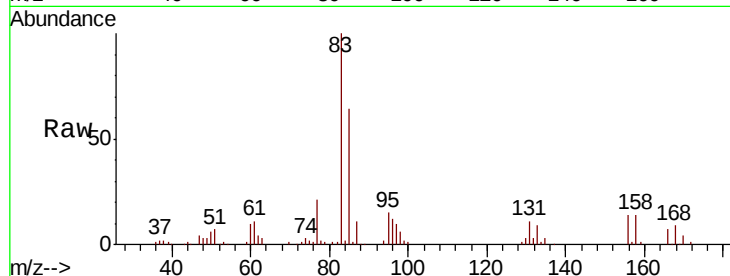
Tot Ion: 83 Resp: 100118

Ion	Ratio	Lower	Upper
83	100		
131	10.7	5.4	16.2
85	65.4	32.4	97.0

83 100

131 10.7 5.4 16.2

85 65.4 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN055978.D (-3323) (-)

Ion 130.80 (130.50 to 131.50): VN055978.D (-3323) (-)

Ion 84.90 (84.60 to 85.60): VN055978.D (-3323) (-)

12.50

60000

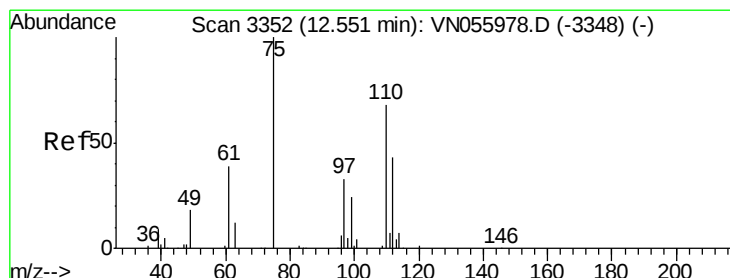
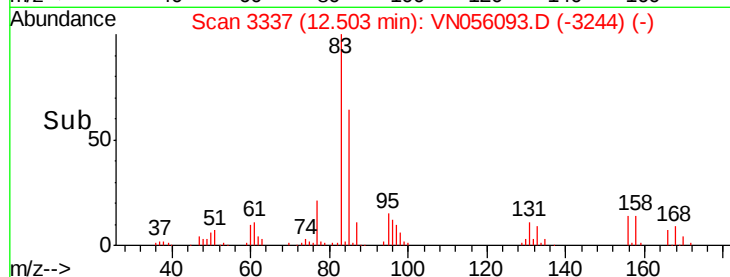
40000

20000

0

Time-->

12.45 12.50 12.55



#76

1,2,3-Trichloropropane

Concen: 29.758 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN056093.D

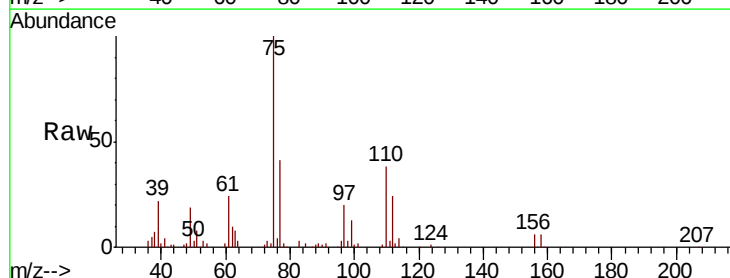
Acq: 7 Jun 2019 12:26

Tgt Ion: 75 Resp: 112529

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN055978.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN055978.D (-3348) (-)

12.55

80000

60000

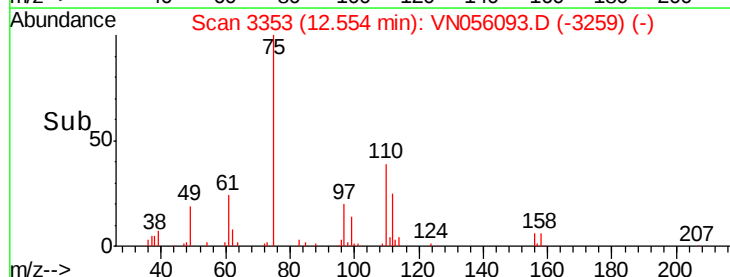
40000

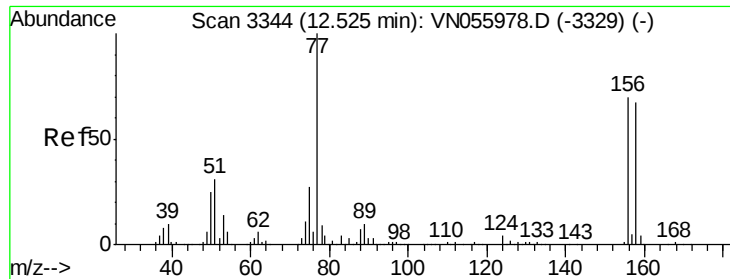
20000

0

Time-->

12.50 12.55 12.60





#77

Bromobenzene

Concen: 20.002 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN056093.D

Acq: 7 Jun 2019 12:26

Instrument :

MSVOA_N

ClientSampleId :

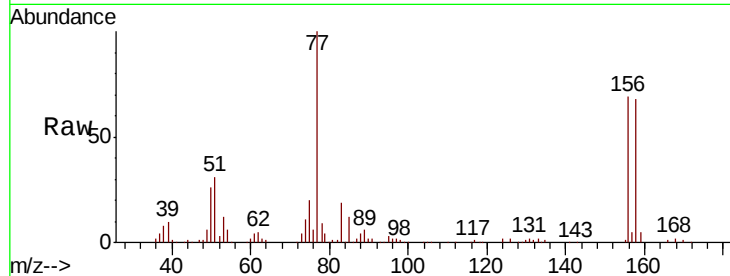
Tot Ion:156 Resp: 88006

Ion Ratio Lower Upper

156 100

77 174.9 90.8 272.5

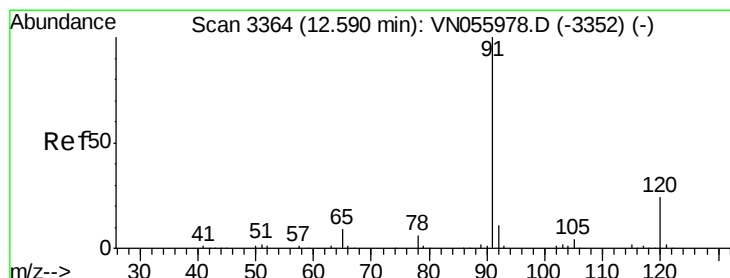
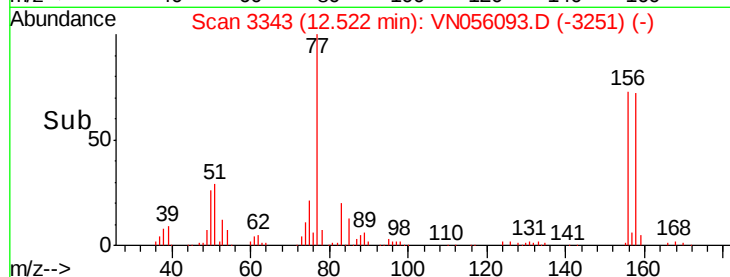
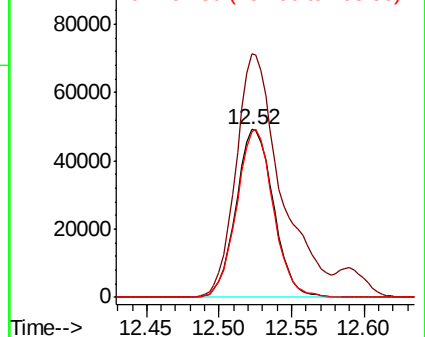
158 98.2 49.3 147.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.873 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056093.D

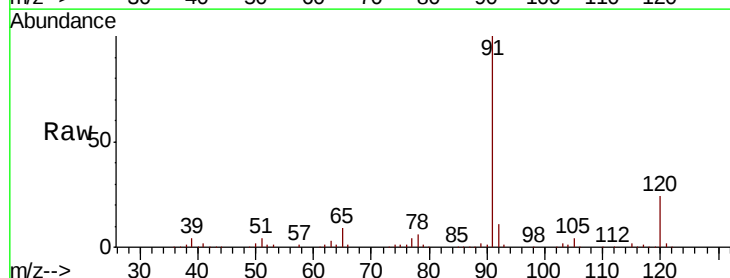
Acq: 7 Jun 2019 12:26

Tgt Ion: 91 Resp: 362893

Ion Ratio Lower Upper

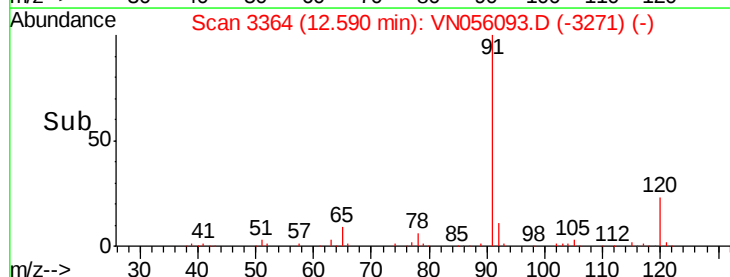
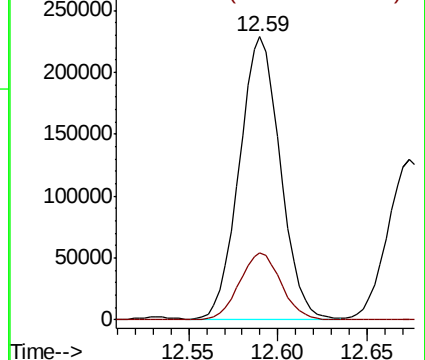
91 100

120 24.2 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.138 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056093.D

Acq: 7 Jun 2019 12:26

Instrument :

MSVOA_N

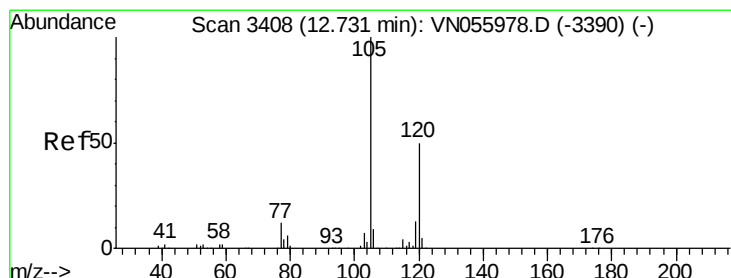
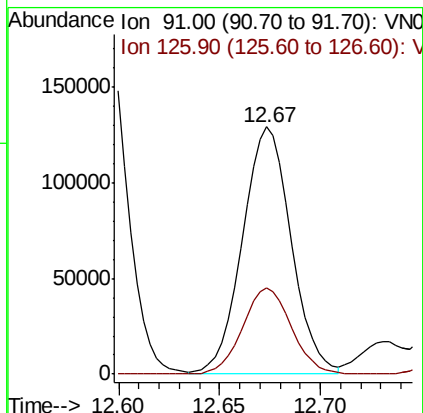
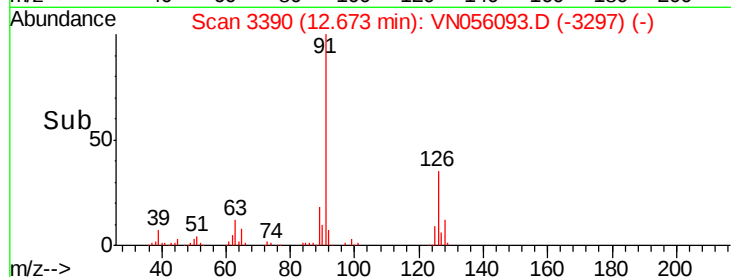
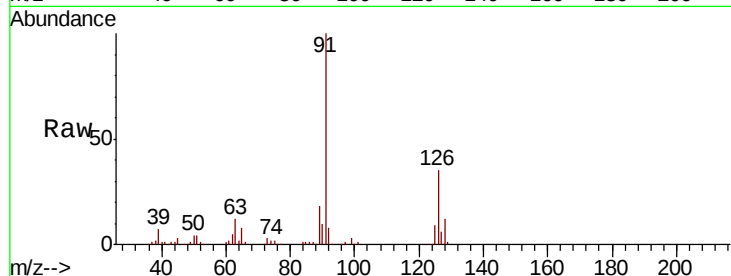
ClientSampleId :

Tot Ion: 91 Resp: 216765

Ion Ratio Lower Upper

91 100

126 35.2 18.1 54.4



#80

1,3,5-Trimethylbenzene

Concen: 19.951 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056093.D

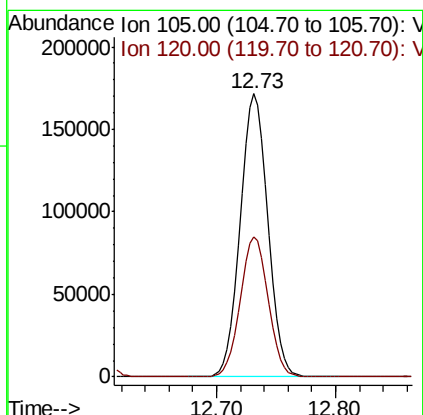
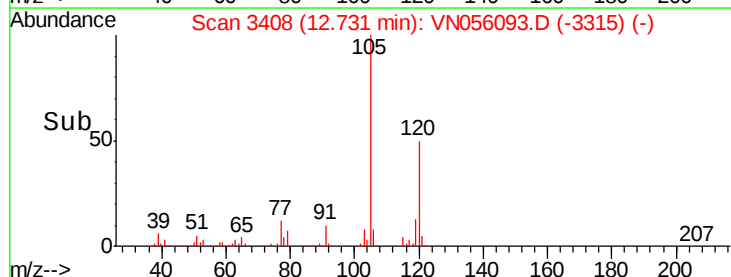
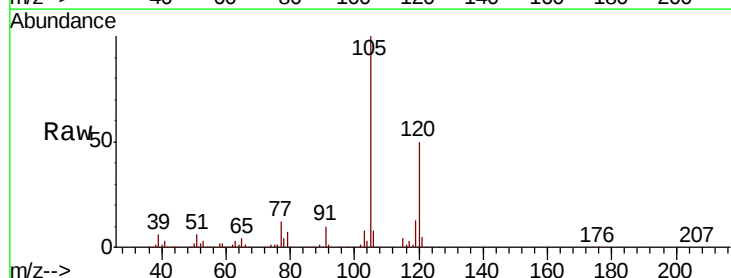
Acq: 7 Jun 2019 12:26

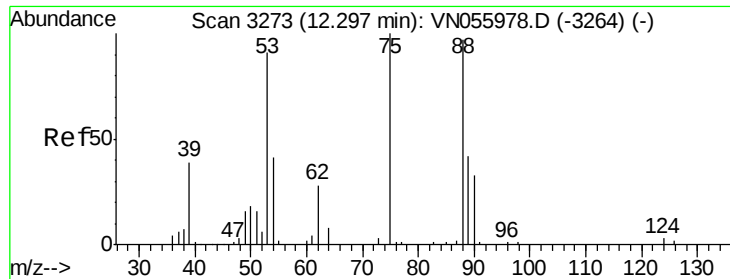
Tgt Ion: 105 Resp: 275669

Ion Ratio Lower Upper

105 100

120 50.1 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 18.552 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN056093.D

Acq: 7 Jun 2019 12:26

Instrument :

MSVOA_N

ClientSampled :

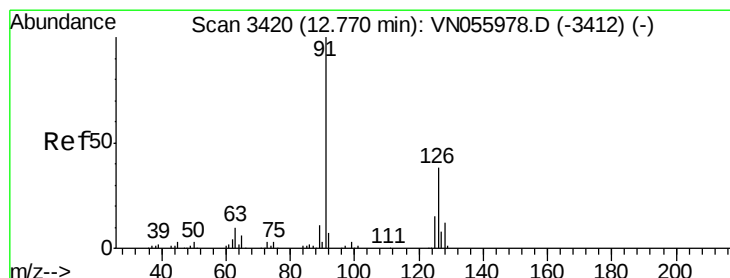
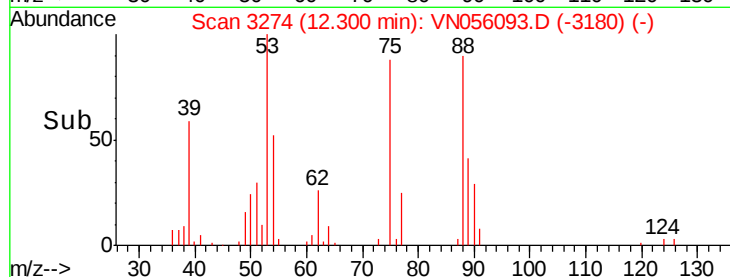
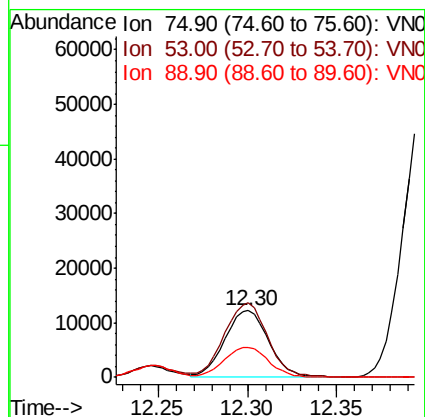
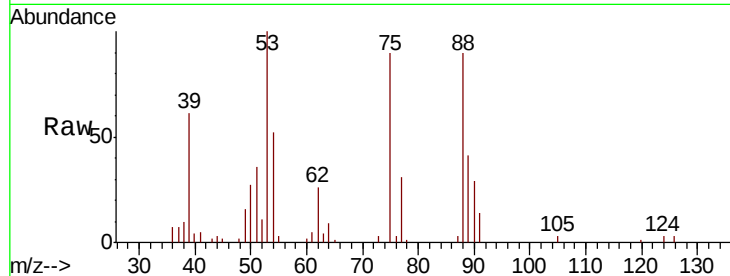
Tot Ion: 75 Resp: 21066

Ion Ratio Lower Upper

75 100

53 109.5 68.1 102.1#

89 45.0 36.9 55.3



#82

4-Chlorotoluene

Concen: 20.730 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN056093.D

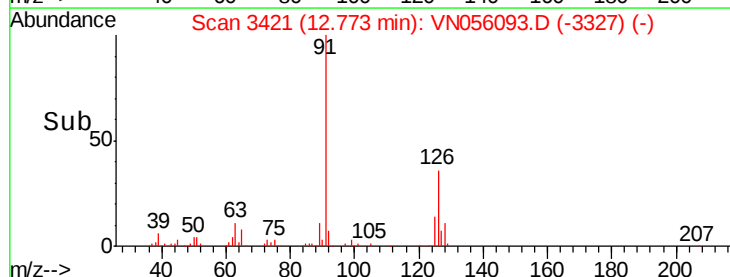
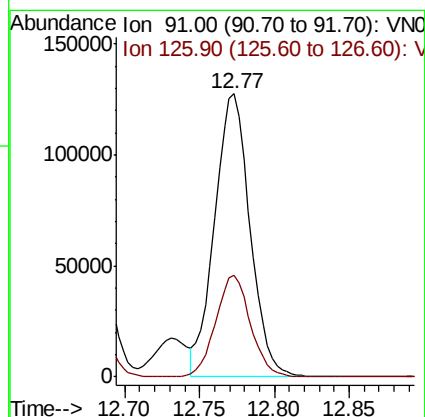
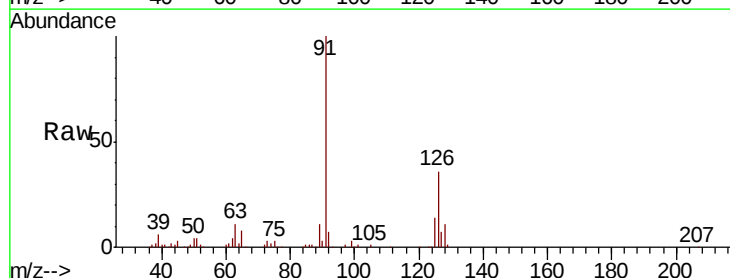
Acq: 7 Jun 2019 12:26

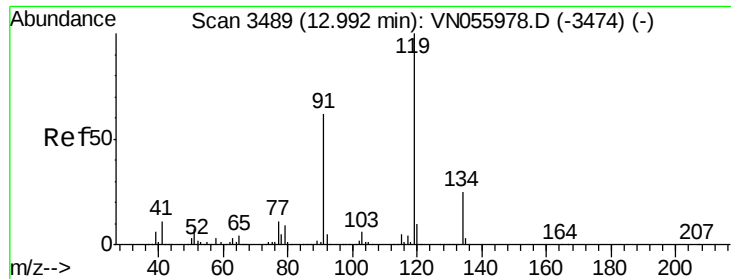
Tgt Ion: 91 Resp: 210858

Ion Ratio Lower Upper

91 100

126 35.2 17.8 53.3

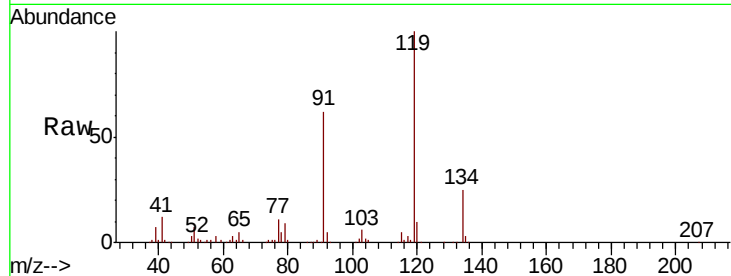




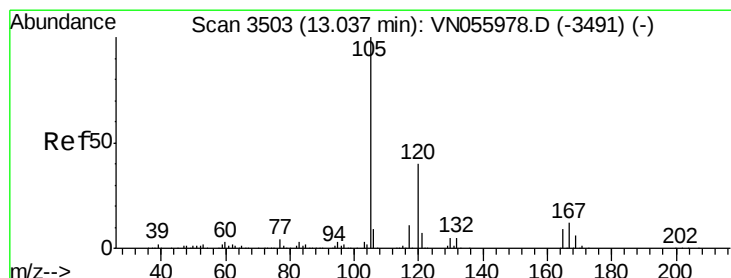
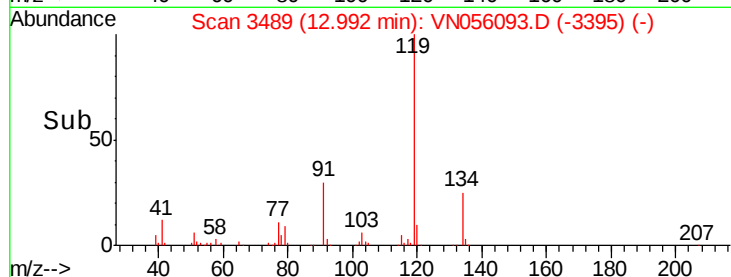
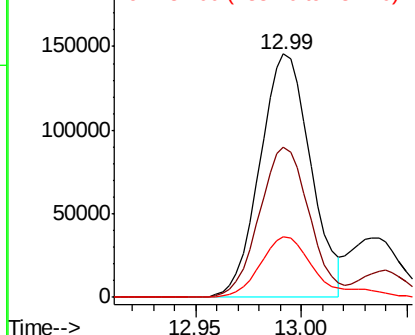
#83
tert-Butylbenzene
Concen: 21.108 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN056093.D
Acq: 7 Jun 2019 12:26

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:119 Resp: 243197
Ion Ratio Lower Upper
119 100
91 61.1 30.9 92.8
134 27.3 13.3 39.8

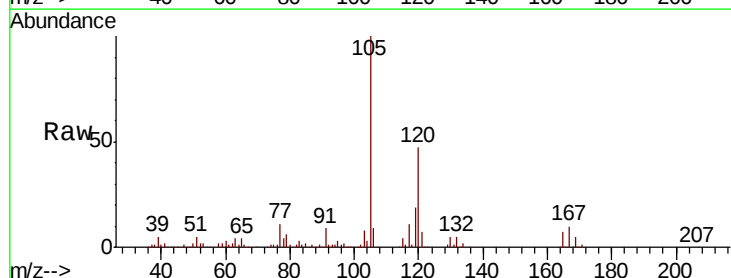


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

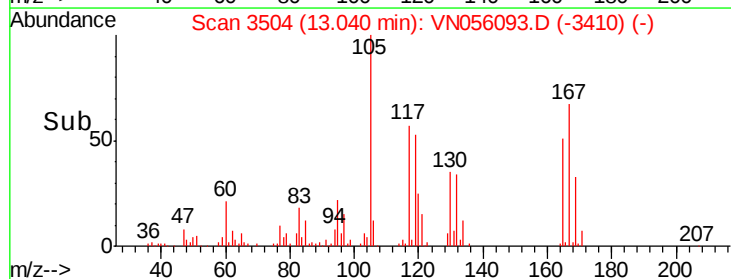
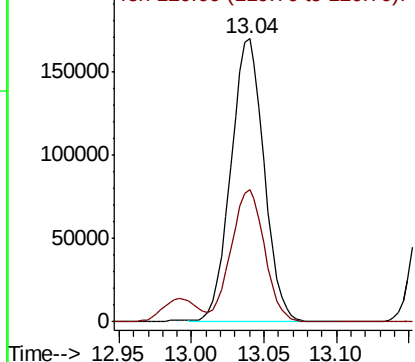


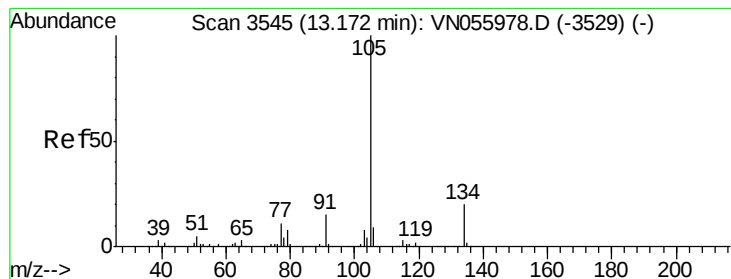
#84
1,2,4-Trimethylbenzene
Concen: 20.571 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN056093.D
Acq: 7 Jun 2019 12:26

Tgt Ion:105 Resp: 269548
Ion Ratio Lower Upper
105 100
120 46.9 23.0 69.0



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





#85

sec-Butylbenzene

Concen: 20.698 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN056093.D

Acq: 7 Jun 2019 12:26

Instrument :

MSVOA_N

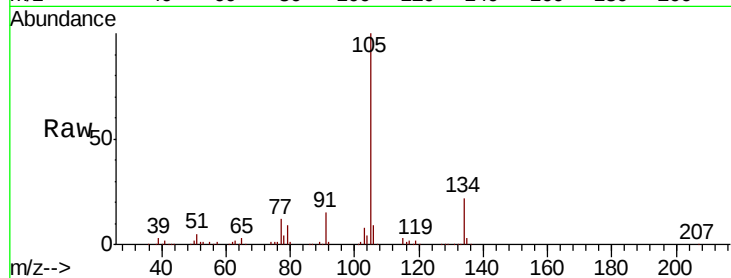
ClientSampleId :

Tot Ion:105 Resp: 318683

Ion Ratio Lower Upper

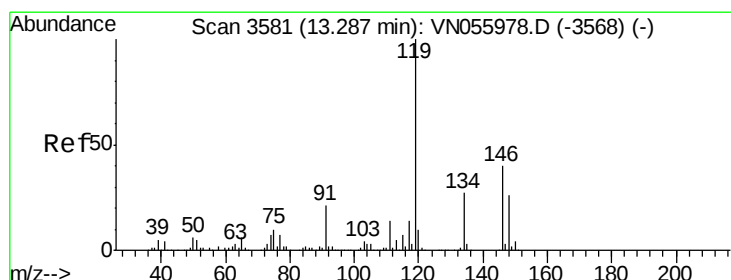
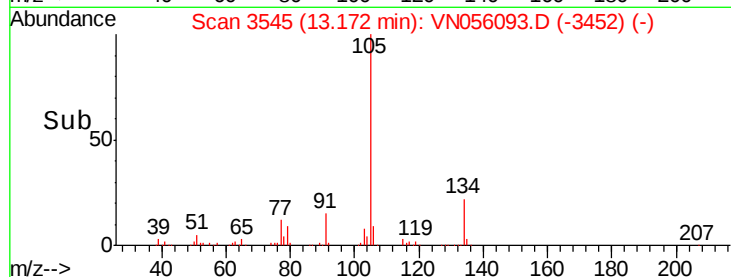
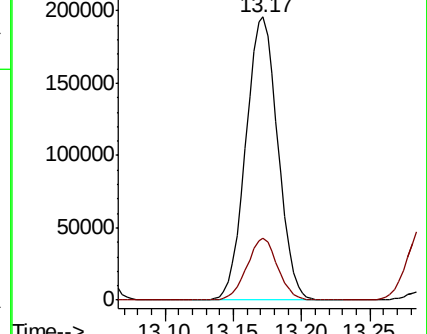
105 100

134 20.9 10.4 31.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.226 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056093.D

Acq: 7 Jun 2019 12:26

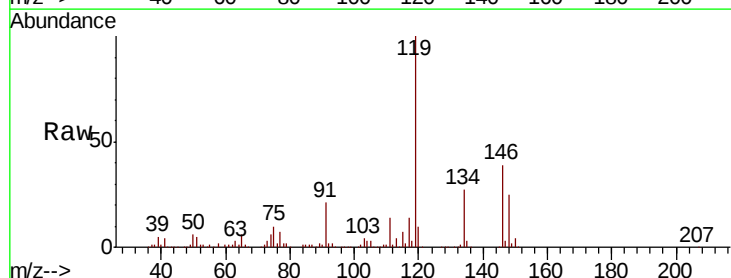
Tgt Ion:119 Resp: 292488

Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.1

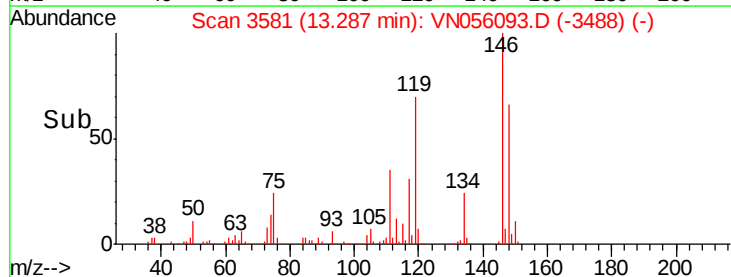
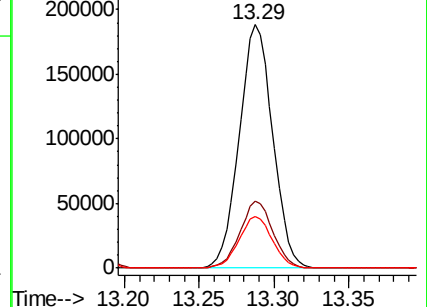
91 21.1 10.9 32.9

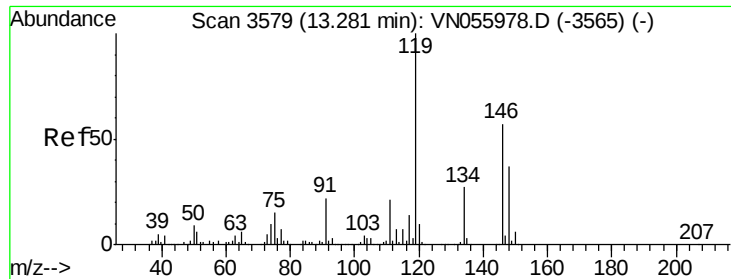


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

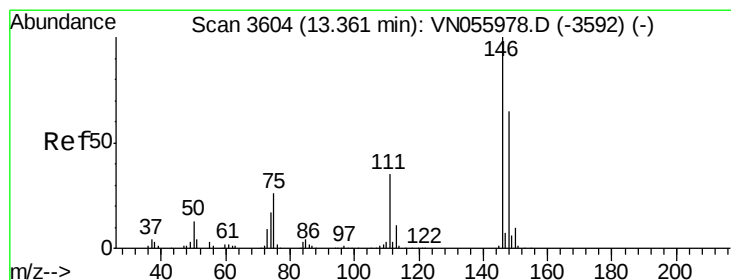
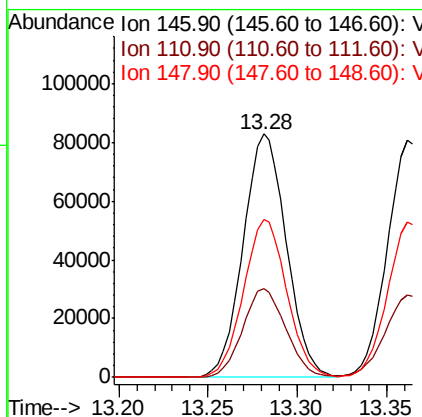
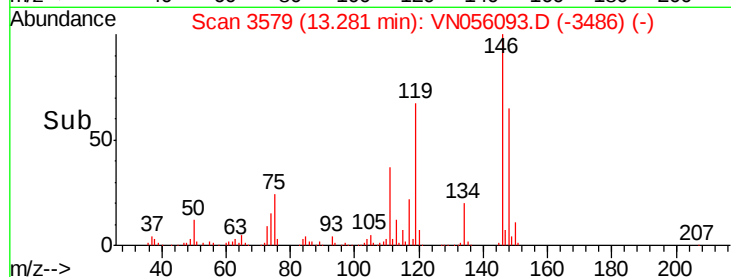
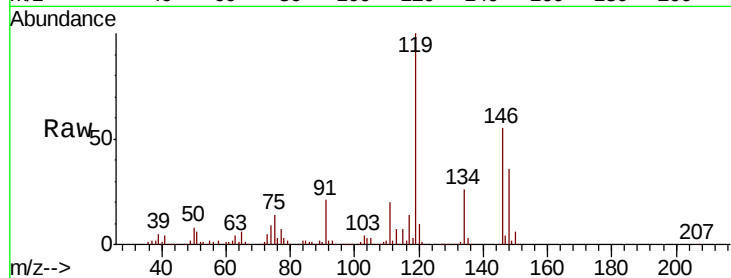




#87
 1,3-Dichlorobenzene
 Concen: 20.596 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056093.D
 Acq: 7 Jun 2019 12:26

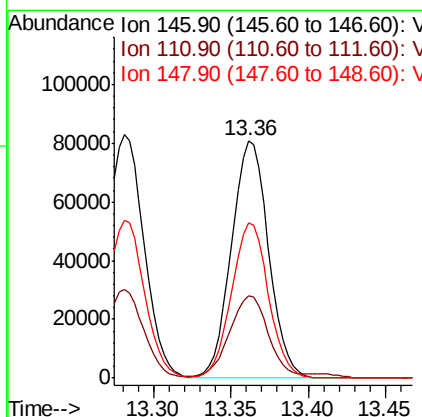
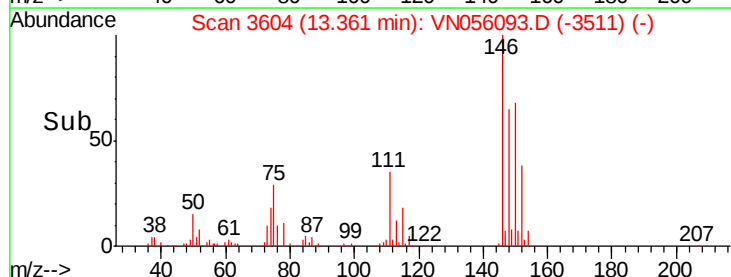
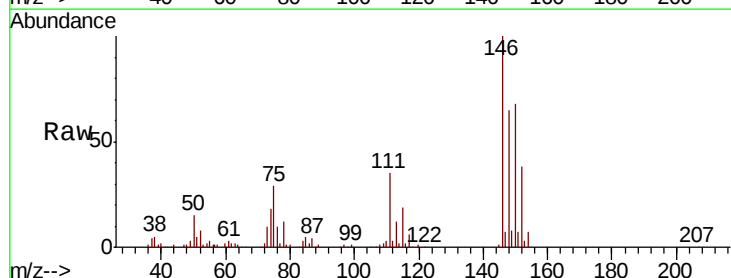
Instrument :
 MSVOA_N
 ClientSampled :

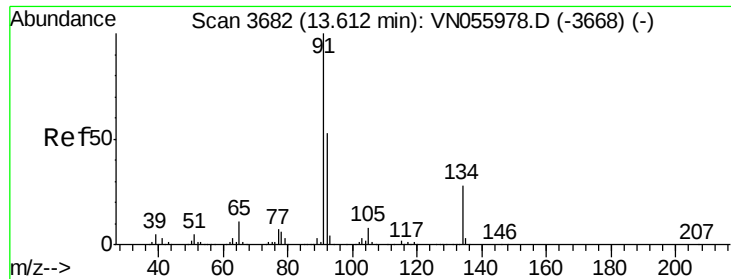
Tot Ion:146 Resp: 140251
 Ion Ratio Lower Upper
 146 100
 111 36.3 18.5 55.5
 148 64.9 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 20.543 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056093.D
 Acq: 7 Jun 2019 12:26

Tgt Ion:146 Resp: 134571
 Ion Ratio Lower Upper
 146 100
 111 35.4 18.1 54.4
 148 65.0 32.1 96.5





#89

n-Butylbenzene

Concen: 21.449 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN056093.D

Acq: 7 Jun 2019 12:26

Instrument :

MSVOA_N

ClientSampleId :

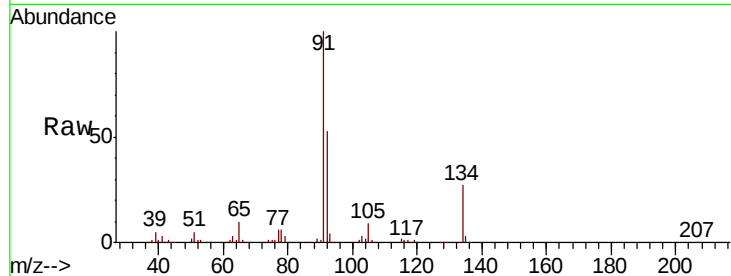
Tot Ion: 91 Resp: 218945

Ion Ratio Lower Upper

91 100

92 53.1 26.4 79.0

134 28.2 13.9 41.7



Abundance Ion 91.00 (90.70 to 91.70): VN055978.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN055978.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN055978.D (-3668) (-)

150000

100000

50000

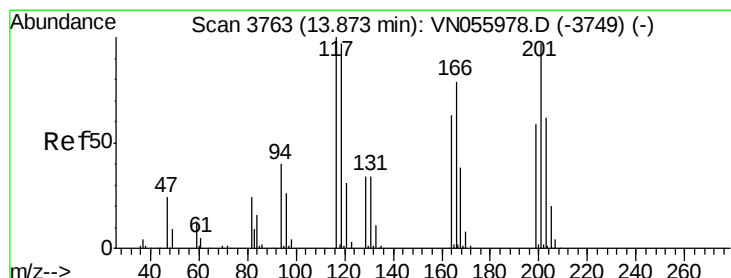
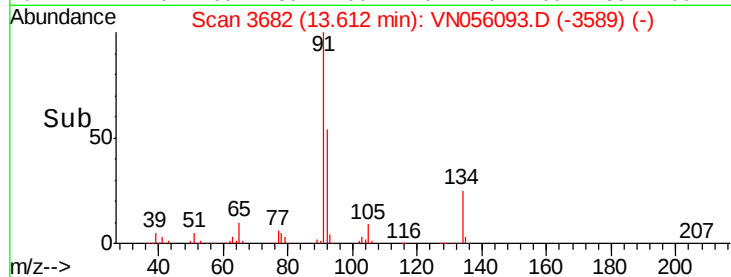
0

13.61

13.60

13.70

Time-->



#90

Hexachloroethane

Concen: 18.604 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN056093.D

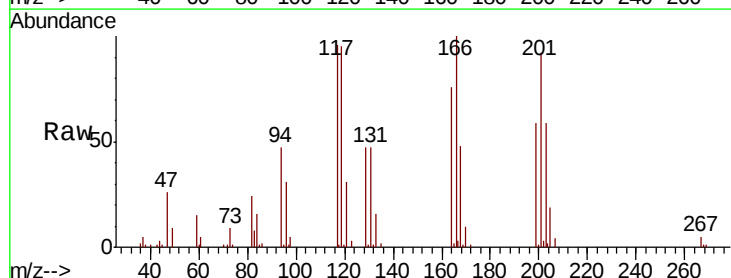
Acq: 7 Jun 2019 12:26

Tgt Ion: 117 Resp: 38661

Ion Ratio Lower Upper

117 100

201 98.3 50.0 150.0



Abundance Ion 116.80 (116.50 to 117.50): VN055978.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN055978.D (-3749) (-)

25000

20000

15000

10000

5000

0

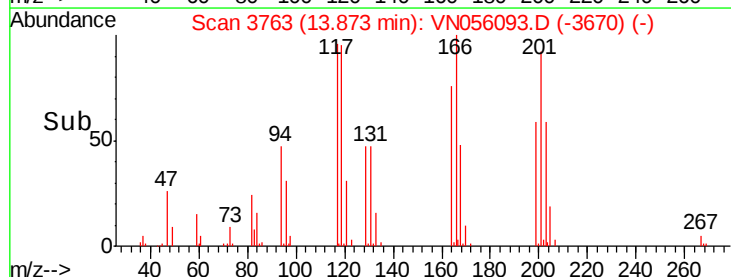
13.87

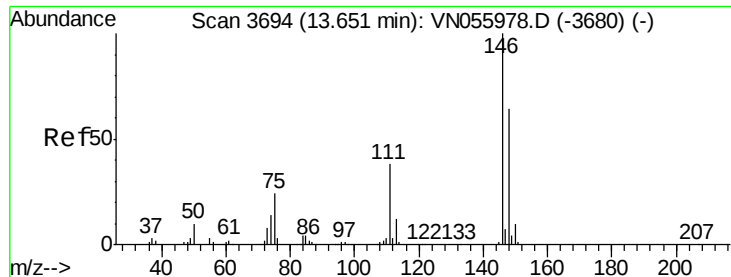
13.80

13.85

13.90

Time-->

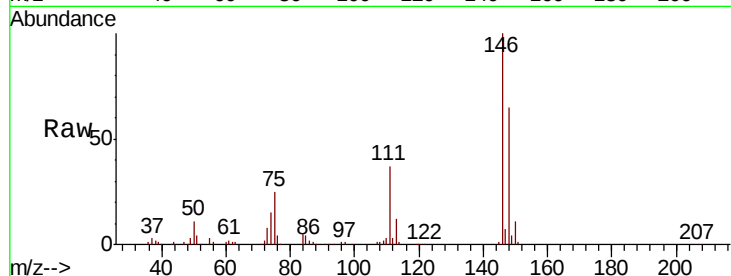




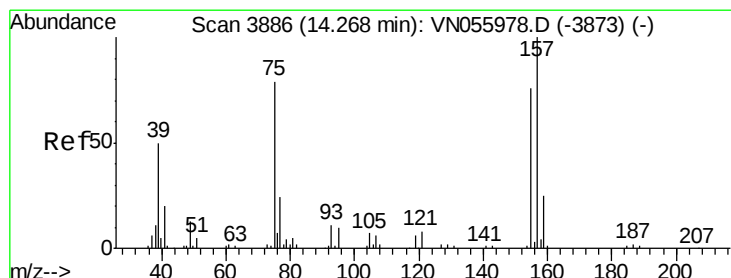
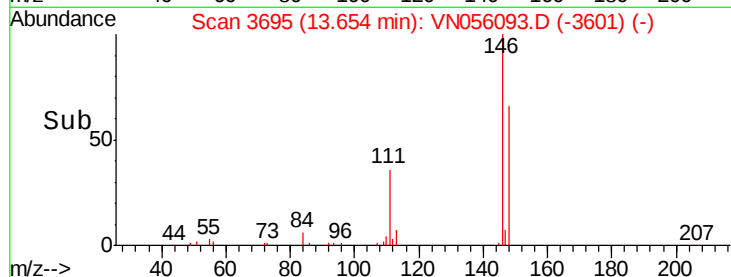
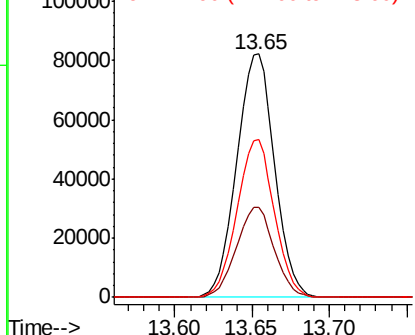
#91
 1,2-Dichlorobenzene
 Concen: 20.346 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN056093.D
 Acq: 7 Jun 2019 12:26

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:146 Resp: 139879
 Ion Ratio Lower Upper
 146 100
 111 36.9 19.1 57.5
 148 63.8 31.9 95.9

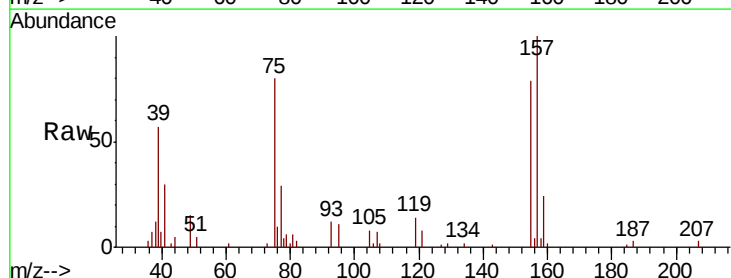


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

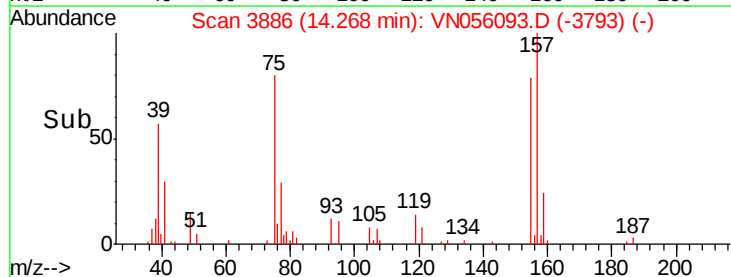
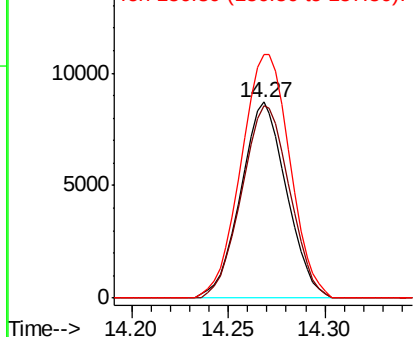


#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.017 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN056093.D
 Acq: 7 Jun 2019 12:26

Tgt Ion: 75 Resp: 14341
 Ion Ratio Lower Upper
 75 100
 155 102.2 50.0 150.1
 157 132.5 64.8 194.3



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 20.803 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN056093.D

Acq: 7 Jun 2019 12:26

Instrument :

MSVOA_N

ClientSampled :

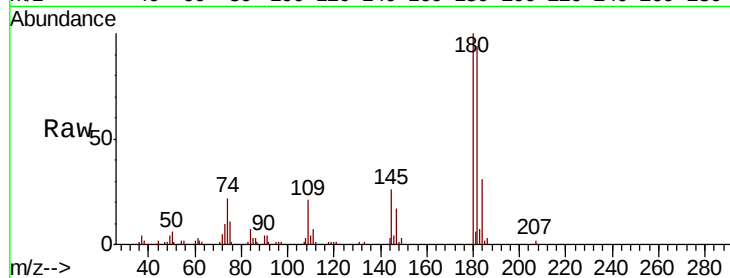
Tot Ion:180 Resp: 68486

Ion Ratio Lower Upper

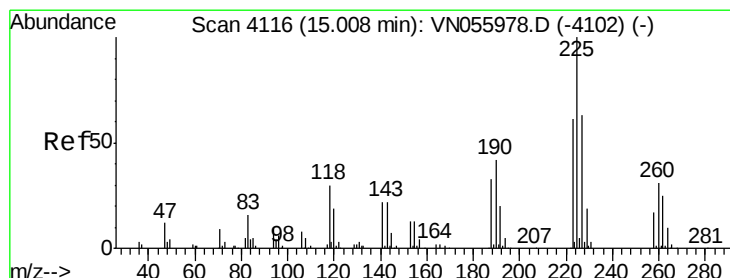
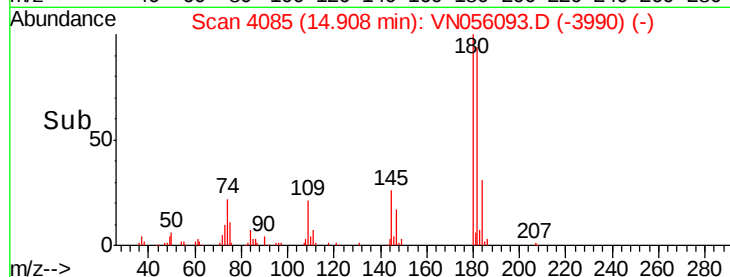
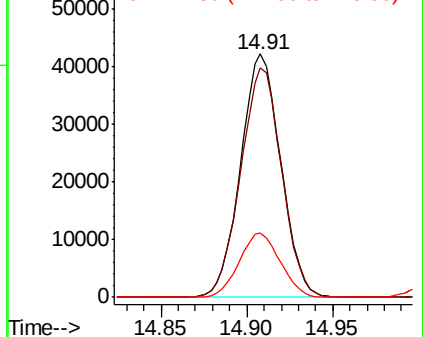
180 100

182 95.5 48.3 144.9

145 27.0 14.0 41.9



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



#94

Hexachlorobutadiene

Concen: 22.030 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VN056093.D

Acq: 7 Jun 2019 12:26

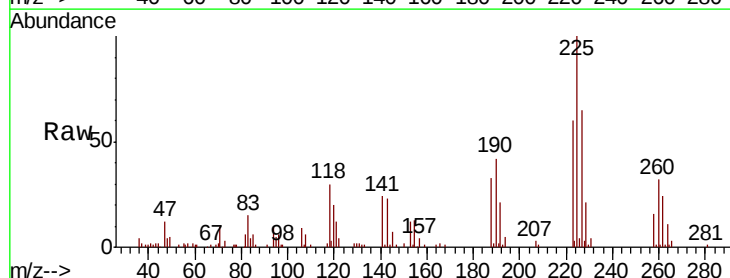
Tgt Ion:225 Resp: 54697

Ion Ratio Lower Upper

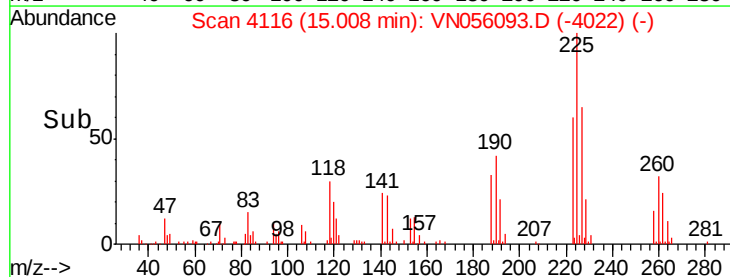
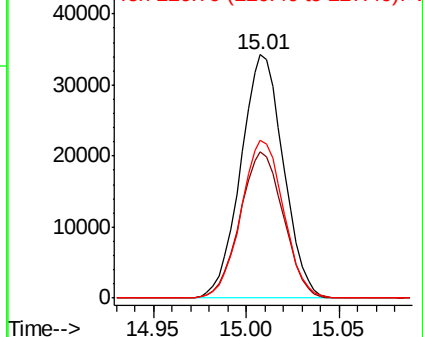
225 100

223 61.0 30.9 92.7

227 64.6 31.6 94.7



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





#95

Naphthalene

Concen: 21.626 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN056093.D

Acq: 7 Jun 2019 12:26

Instrument :

MSVOA_N

ClientSampled :

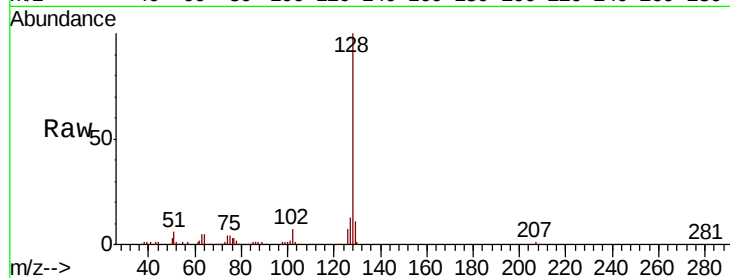
Tot Ion:128 Resp: 189300

Ion Ratio Lower Upper

128 100

127 12.6 10.3 15.5

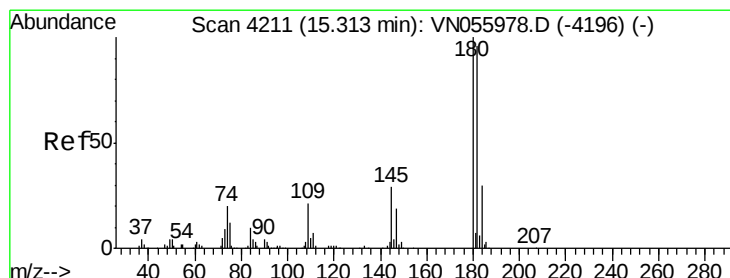
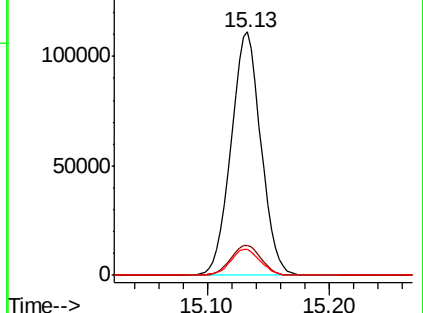
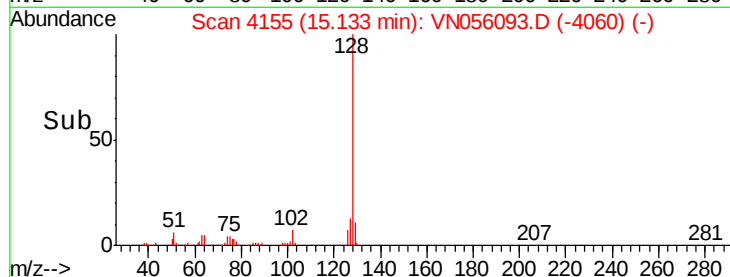
129 10.9 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 21.617 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056093.D

Acq: 7 Jun 2019 12:26

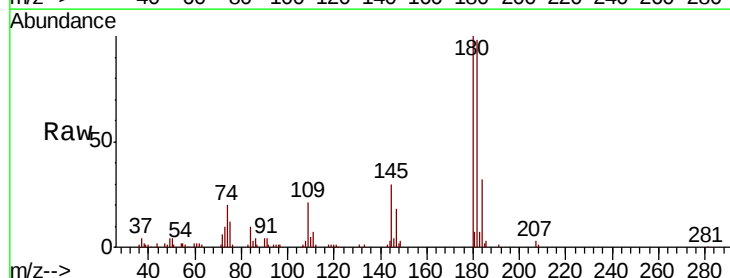
Tgt Ion:180 Resp: 76394

Ion Ratio Lower Upper

180 100

182 96.0 47.9 143.7

145 29.4 14.9 44.7



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

