

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN053019\
 Data File : VN055888.D
 Acq On : 30 May 2019 9:54
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 30 17:13:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 24 06:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	333866	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	491086	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	435115	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	196872	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	169690	49.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.44%	
35) Dibromofluoromethane	7.59	113	150899	48.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.20%	
50) Toluene-d8	10.09	98	575202	48.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.60%	
62) 4-Bromofluorobenzene	12.40	95	200590	49.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	101993	45.392	ug/l	98
3) Chloromethane	2.06	50	141787	45.038	ug/l	98
4) Vinyl Chloride	2.18	62	153693	45.771	ug/l	100
5) Bromomethane	2.53	94	104672	49.827	ug/l	98
6) Chloroethane	2.69	64	97065	48.013	ug/l	98
7) Trichlorofluoromethane	3.01	101	213558	48.511	ug/l	99
8) Diethyl Ether	3.40	74	94256	47.771	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	138785	50.504	ug/l	98
10) Methyl Iodide	3.94	142	196934	49.017	ug/l	100
11) Tert butyl alcohol	4.81	59	160037	242.930	ug/l	99
12) 1,1-Dichloroethene	3.72	96	134325	47.307	ug/l	98
13) Acrolein	3.60	56	95315	202.061	ug/l	98
14) Allyl chloride	4.31	41	233045	47.876	ug/l	99
15) Acrylonitrile	4.99	53	371640	245.675	ug/l	100
16) Acetone	3.82	43	399057	263.296	ug/l	98
17) Carbon Disulfide	4.04	76	329733	40.873	ug/l	99
18) Methyl Acetate	4.33	43	159301	51.745	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	462556	48.845	ug/l	99
20) Methylene Chloride	4.54	84	156155	47.574	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	144222	47.278	ug/l	98
22) Diisopropyl ether	5.95	45	475598	50.235	ug/l	99
23) Vinyl Acetate	5.89	43	1995114	245.789	ug/l	99
24) 1,1-Dichloroethane	5.84	63	268839	48.772	ug/l	100
25) 2-Butanone	6.84	43	532444	251.546	ug/l	100
26) 2,2-Dichloropropane	6.82	77	229396	48.086	ug/l	100
27) cis-1,2-Dichloroethene	6.82	96	174353	48.990	ug/l	98
28) Bromochloromethane	7.19	49	131745	50.199	ug/l	98
29) Tetrahydrofuran	7.21	42	327503	244.325	ug/l	99
30) Chloroform	7.37	83	273103	49.680	ug/l	99
31) Cyclohexane	7.65	56	246827	47.694	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	234264	47.755	ug/l	99
36) 1,1-Dichloropropene	7.79	75	202772	47.381	ug/l	99
37) Ethyl Acetate	6.93	43	202191	48.883	ug/l	98
38) Carbon Tetrachloride	7.77	117	199399	44.730	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	259299	48.929	ug/l	99
40) Benzene	8.04	78	630941	48.918	ug/l	99
41) Methacrylonitrile	7.17	41	93280	44.639	ug/l	94
42) 1,2-Dichloroethane	8.12	62	204811	48.596	ug/l	100
43) Isopropyl Acetate	8.17	43	332105	47.787	ug/l #	91
44) Trichloroethene	8.83	130	175233	48.734	ug/l	97
45) 1,2-Dichloropropane	9.12	63	168305	50.084	ug/l	100
46) Dibromomethane	9.21	93	107841	48.933	ug/l	97
47) Bromodichloromethane	9.40	83	216910	48.000	ug/l	97
48) Methyl methacrylate	9.20	41	161540	50.435	ug/l	98
49) 1,4-Dioxane	9.20	88	63965	961.026	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	1013184	246.850	ug/l	100
52) Toluene	10.15	92	403136	49.697	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	233446	48.396	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	260530	48.754	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	161287	49.631	ug/l	98
56) Ethyl methacrylate	10.43	69	249744	49.727	ug/l	99
57) 1,3-Dichloropropane	10.71	76	263656	49.913	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	433955	226.097	ug/l	99
59) 2-Hexanone	10.75	43	717070	246.269	ug/l	100
60) Dibromochloromethane	10.90	129	176614	46.653	ug/l	100
61) 1,2-Dibromoethane	11.00	107	164610	48.835	ug/l	98
64) Tetrachloroethene	10.63	164	172907	47.116	ug/l	99
65) Chlorobenzene	11.43	112	430630	49.438	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	161568	46.507	ug/l	100
67) Ethyl Benzene	11.51	91	774392	49.576	ug/l	99
68) m/p-Xylenes	11.62	106	587427	99.475	ug/l	100
69) o-Xylene	11.95	106	286322	48.870	ug/l	99
70) Styrene	11.96	104	482902	50.897	ug/l	99
71) Bromoform	12.13	173	127570	43.051	ug/l #	99
73) Isopropylbenzene	12.25	105	765912	54.956	ug/l	99
74) N-amyl acetate	12.07	43	272957	51.258	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	219497	53.128	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	268699	81.231	ug/l #	100
77) Bromobenzene	12.53	156	197122	46.922	ug/l	99
78) n-propylbenzene	12.59	91	835142	48.808	ug/l	100
79) 2-Chlorotoluene	12.67	91	501691	54.671	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	630384	53.665	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	63794	43.599	ug/l	96
82) 4-Chlorotoluene	12.77	91	491884	48.904	ug/l	99
83) tert-Butylbenzene	12.99	119	556905	54.956	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	625730	53.326	ug/l	100
85) sec-Butylbenzene	13.17	105	730723	55.391	ug/l	99
86) p-Isopropyltoluene	13.29	119	665575	48.682	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	323554	48.639	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	311630	49.274	ug/l	99
89) n-Butylbenzene	13.61	91	534410	51.015	ug/l	99
90) Hexachloroethane	13.87	117	113841	43.746	ug/l	93
91) 1,2-Dichlorobenzene	13.65	146	318433	47.980	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	36771	42.153	ug/l	98

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Response via : Initial Calibration

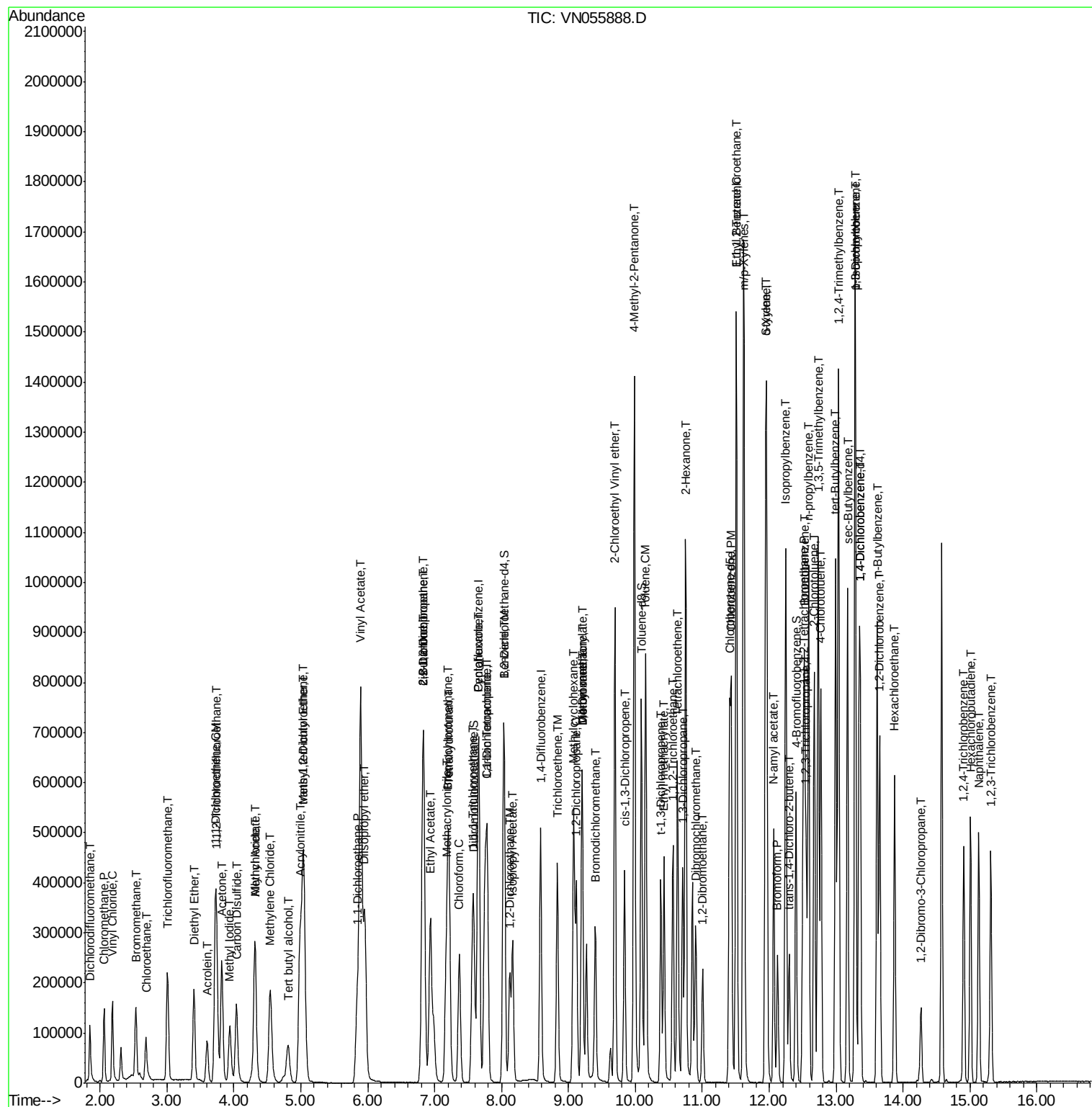
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	166826	44.149	ug/l	99
94) Hexachlorobutadiene	15.01	225	114864	49.147	ug/l	98
95) Naphthalene	15.13	128	454051	49.857	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	175772	50.102	ug/l	99

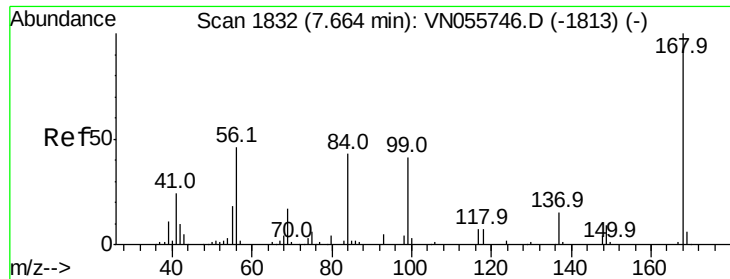
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN053019\
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055888.D

Acq: 30 May 2019 9:54

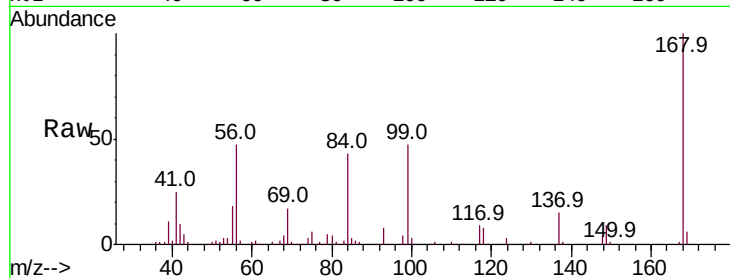
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 333866

Ion Ratio Lower Upper

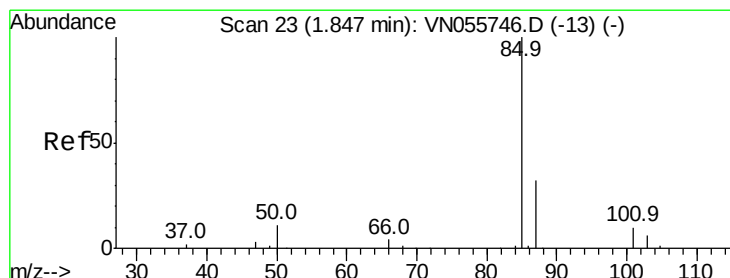
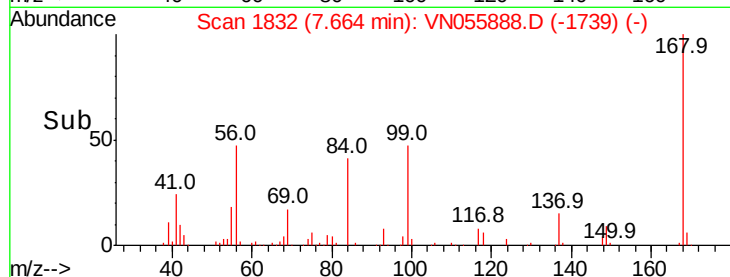
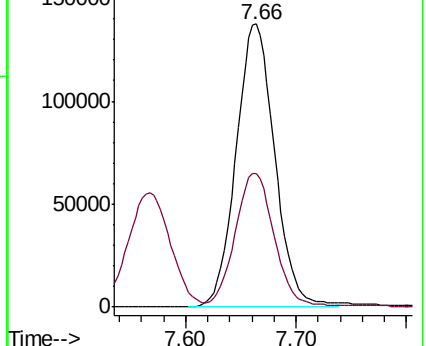
168 100

99 46.3 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 45.392 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN055888.D

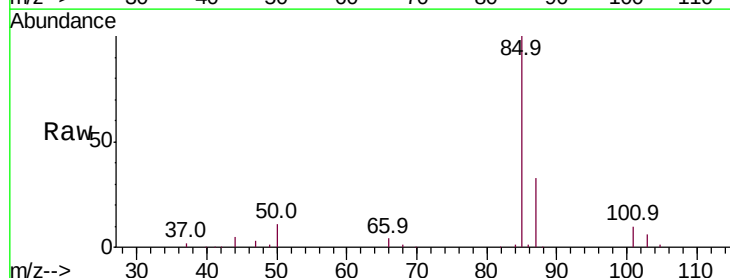
Acq: 30 May 2019 9:54

Tgt Ion: 85 Resp: 101993

Ion Ratio Lower Upper

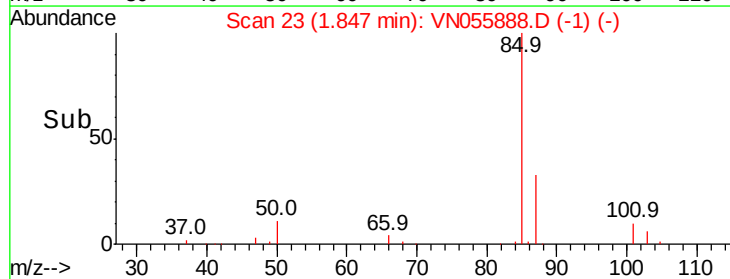
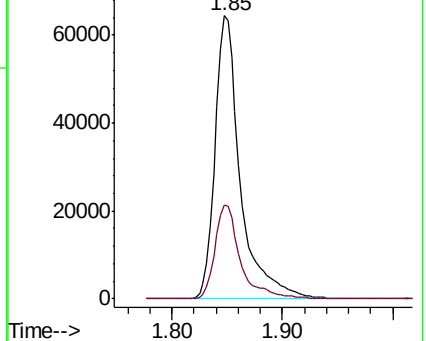
85 100

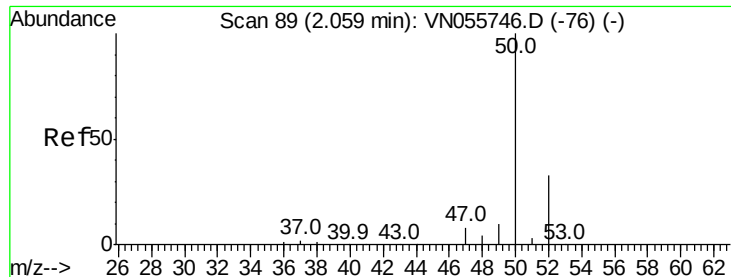
87 33.3 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 45.038 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055888.D

Acq: 30 May 2019 9:54

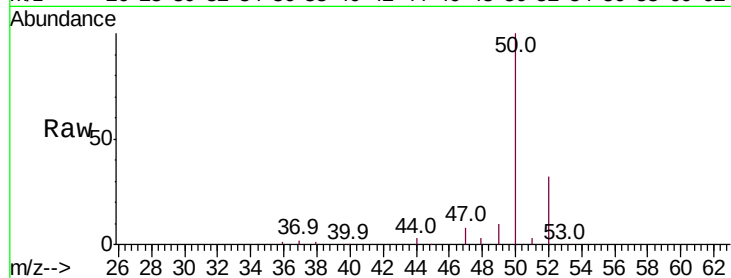
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 50 Resp: 141787

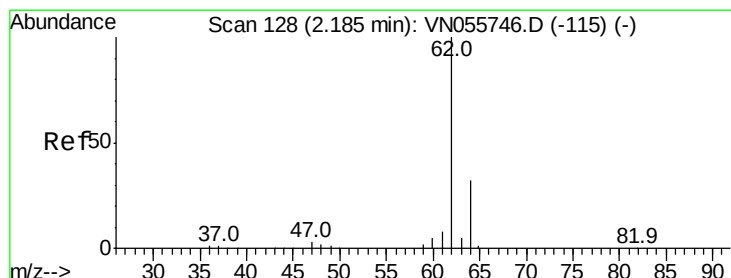
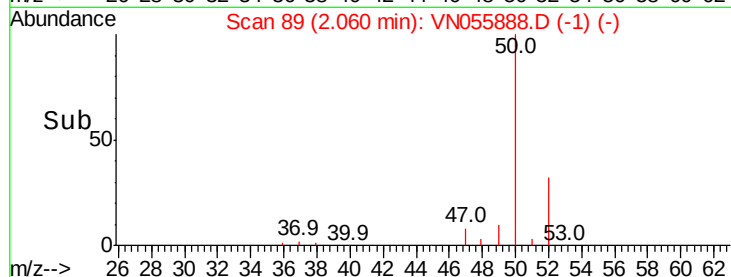
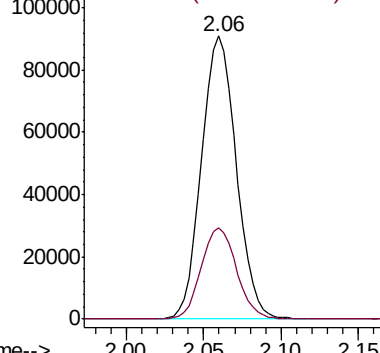
Ion Ratio Lower Upper

50 100

52 32.2 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VNC
Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 45.771 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN055888.D

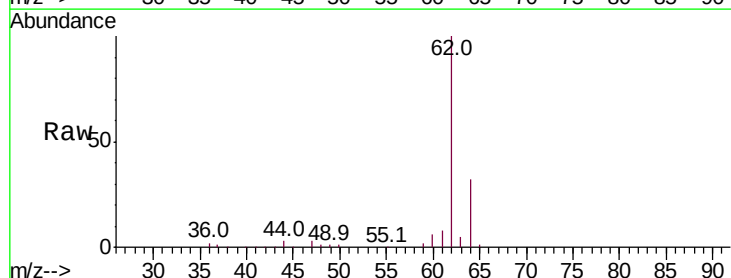
Acq: 30 May 2019 9:54

Tgt Ion: 62 Resp: 153693

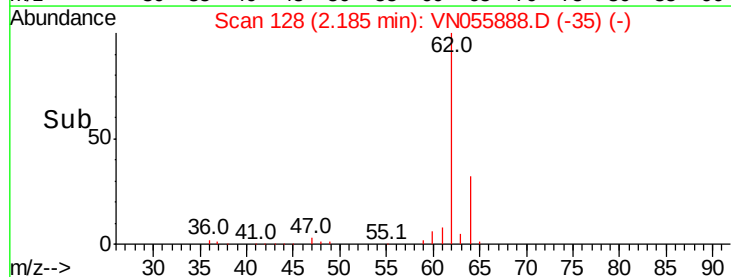
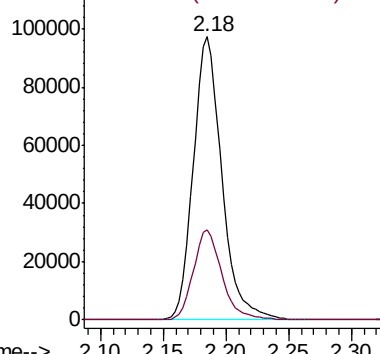
Ion Ratio Lower Upper

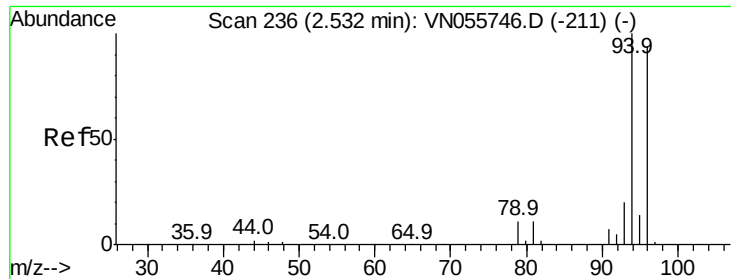
62 100

64 31.9 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VNC
Ion 63.90 (63.60 to 64.60): VNC

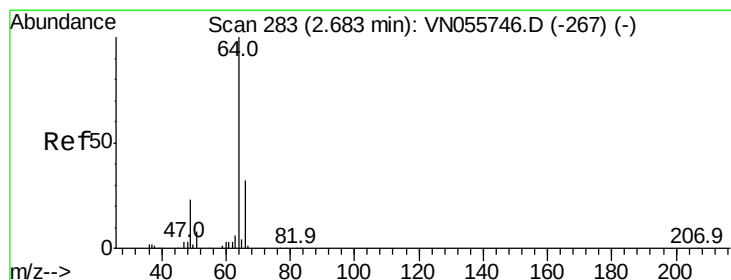
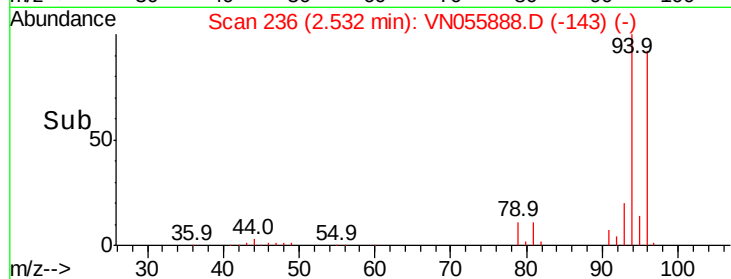
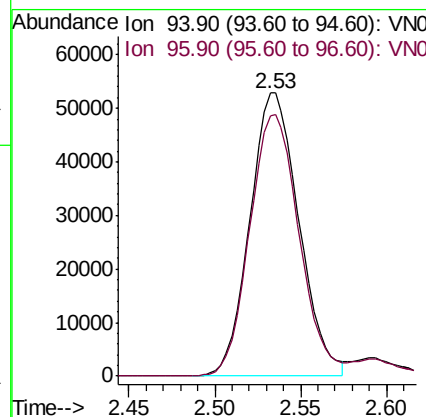
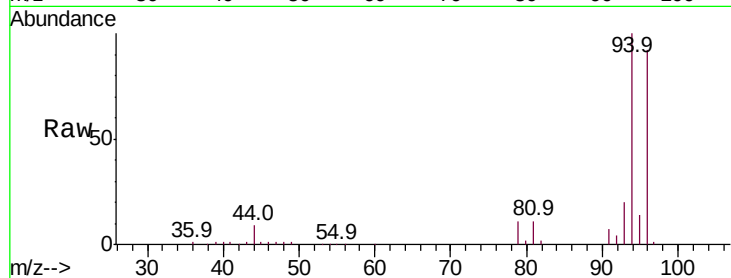




#5
Bromomethane
Concen: 49.827 ug/l
RT: 2.53 min Scan# 236
Delta R.T. 0.00 min
Lab File: VN055888.D
Acq: 30 May 2019 9:54

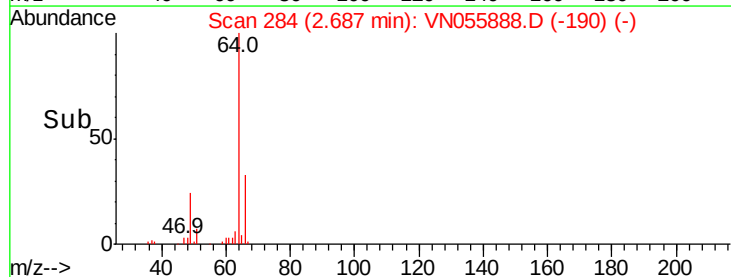
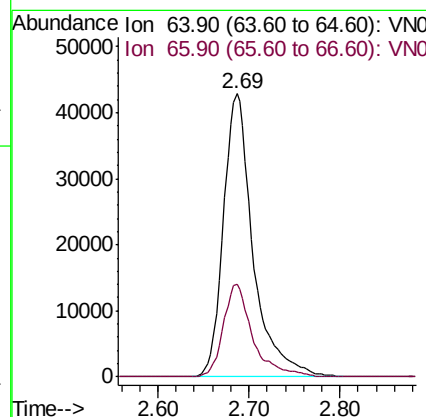
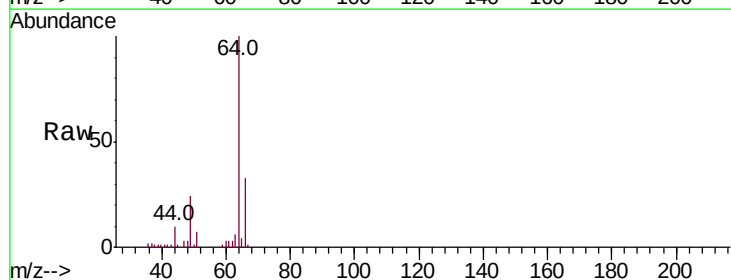
Instrument :
MSVOA_N
ClientSampled :

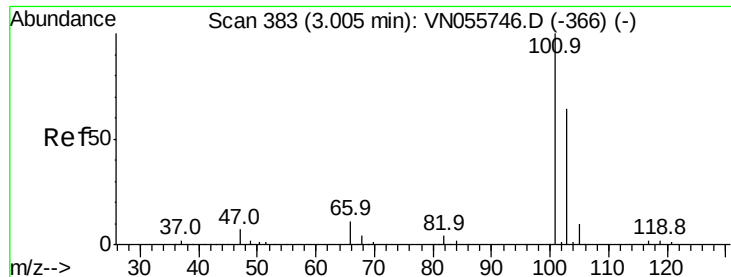
Tot Ion: 94 Resp: 104672
Ion Ratio Lower Upper
94 100
96 92.1 75.5 113.3



#6
Chloroethane
Concen: 48.013 ug/l
RT: 2.69 min Scan# 284
Delta R.T. 0.00 min
Lab File: VN055888.D
Acq: 30 May 2019 9:54

Tgt Ion: 64 Resp: 97065
Ion Ratio Lower Upper
64 100
66 33.0 25.4 38.0



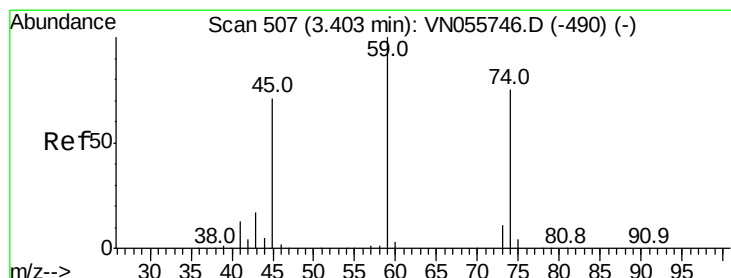
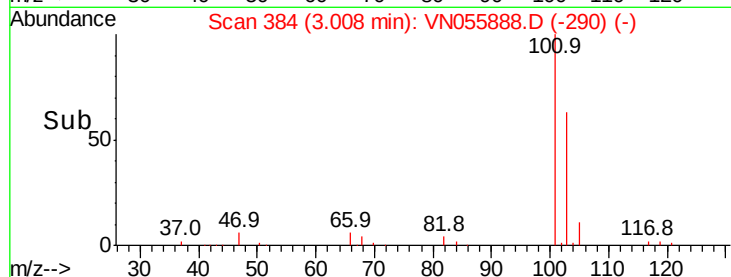
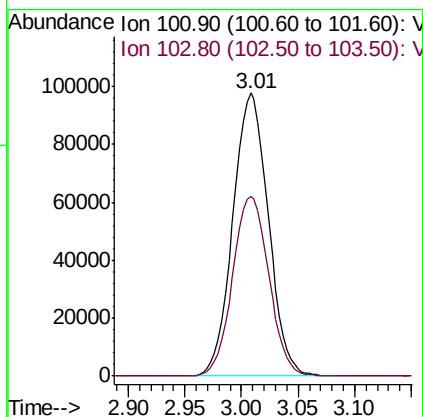
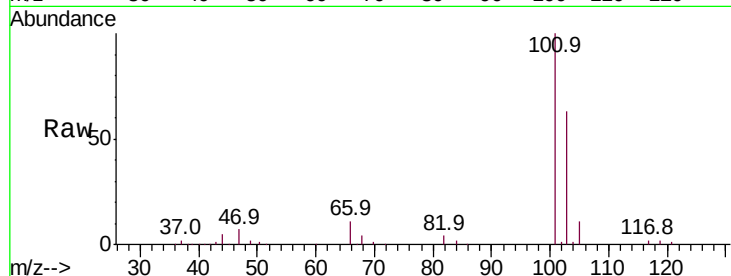


#7

Trichlorofluoromethane
 Concen: 48.511 ug/l
 RT: 3.01 min Scan# 384
 Delta R.T. 0.00 min
 Lab File: VN055888.D
 Acq: 30 May 2019 9:54

Instrument :
 MSVOA_N
 ClientSampled :

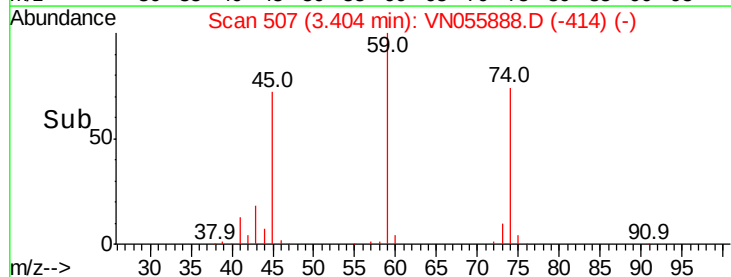
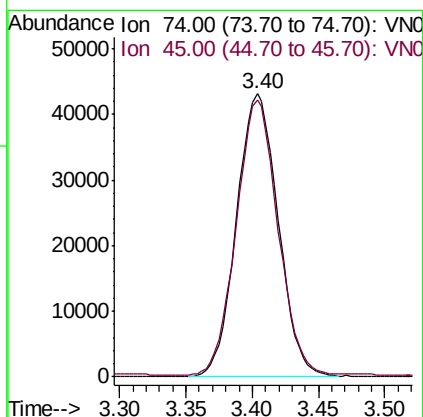
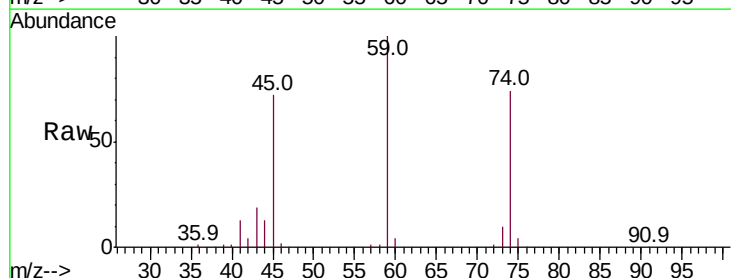
Tot Ion:101 Resp: 213558
 Ion Ratio Lower Upper
 101 100
 103 63.5 51.2 76.8

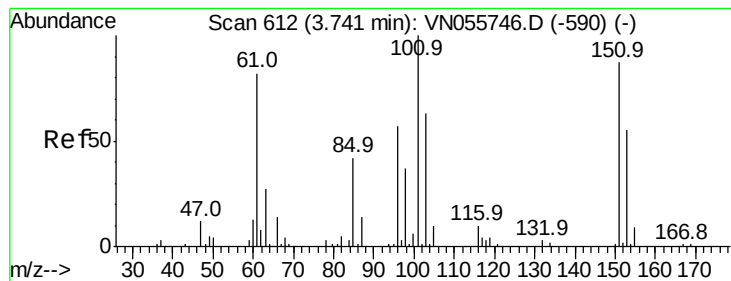


#8

Diethyl Ether
 Concen: 47.771 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. 0.00 min
 Lab File: VN055888.D
 Acq: 30 May 2019 9:54

Tgt Ion: 74 Resp: 94256
 Ion Ratio Lower Upper
 74 100
 45 96.4 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.504 ug/l

RT: 3.74 min Scan# 613

Delta R.T. 0.00 min

Lab File: VN055888.D

Acq: 30 May 2019 9:54

Instrument :

MSVOA_N

ClientSampled :

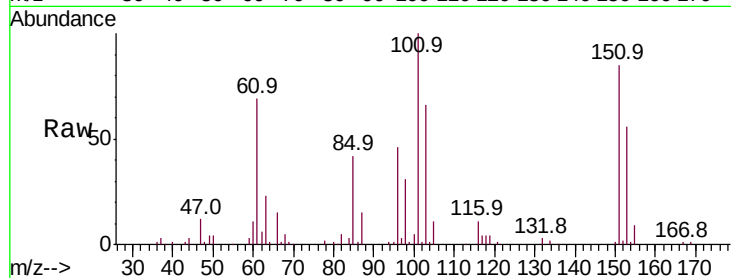
Tot Ion:101 Resp: 138785

Ion Ratio Lower Upper

101 100

85 42.0 33.4 50.2

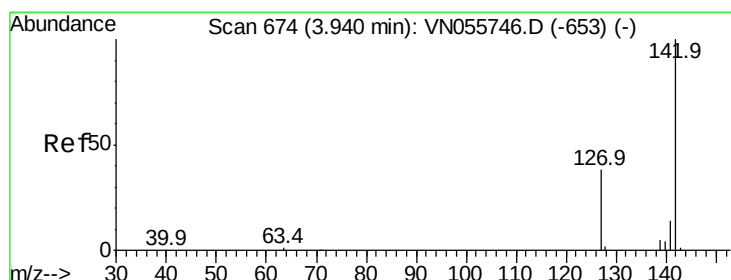
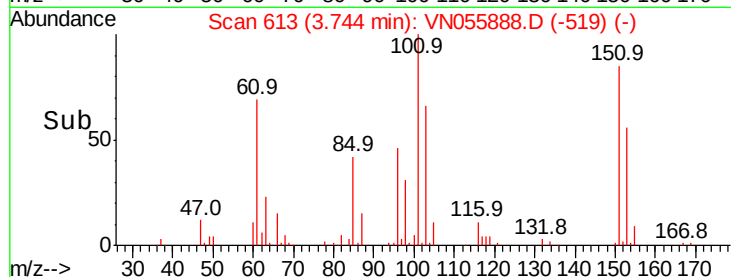
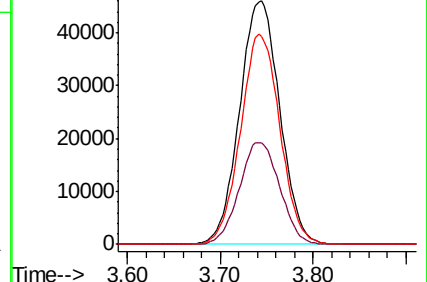
151 84.5 69.4 104.2



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: 49.017 ug/l

RT: 3.94 min Scan# 673

Delta R.T. -0.00 min

Lab File: VN055888.D

Acq: 30 May 2019 9:54

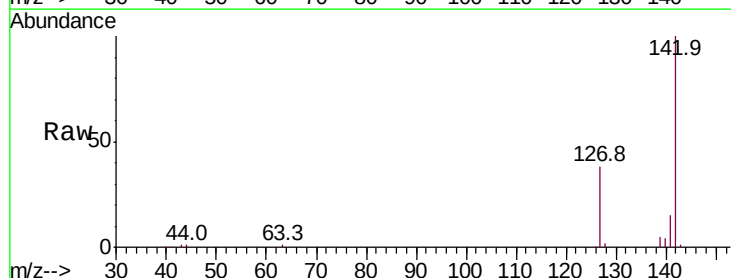
Tgt Ion:142 Resp: 196934

Ion Ratio Lower Upper

142 100

127 38.5 31.0 46.4

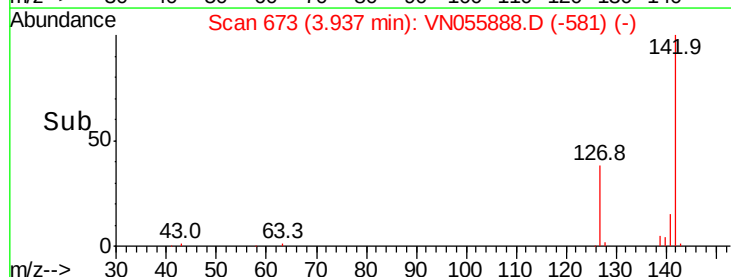
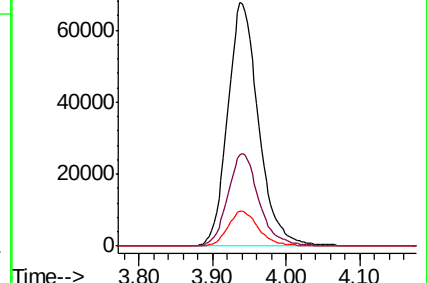
141 14.2 11.4 17.0

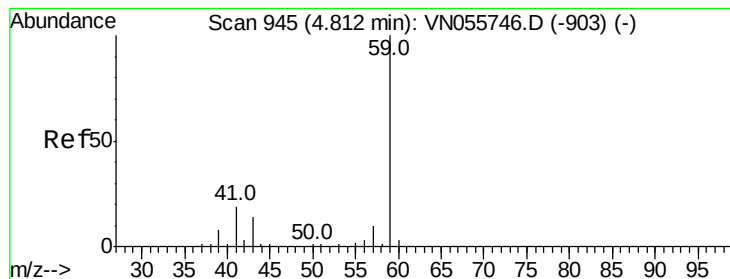


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



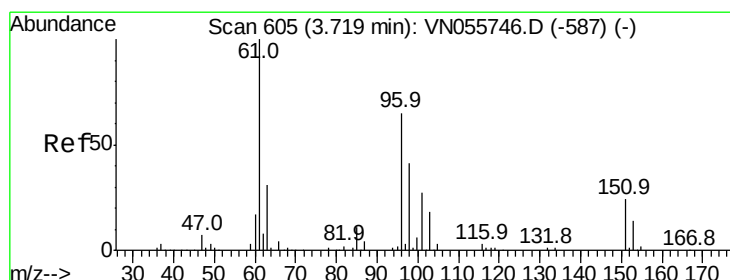
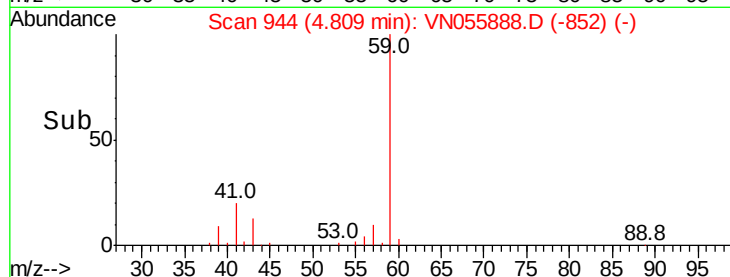
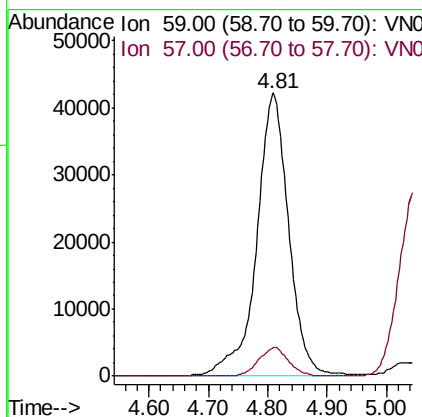
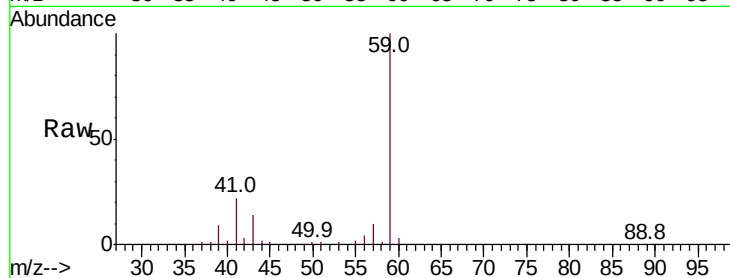


#11

Tert butyl alcohol
 Concen: 242.930 ug/l
 RT: 4.81 min Scan# 944
 Delta R.T. -0.00 min
 Lab File: VN055888.D
 Acq: 30 May 2019 9:54

Instrument :
 MSVOA_N
 ClientSampleId :

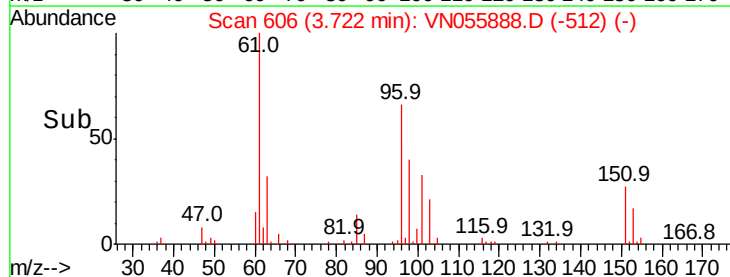
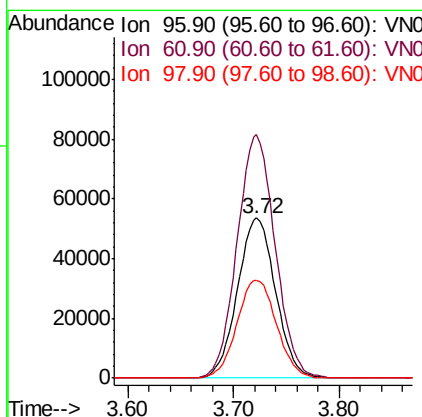
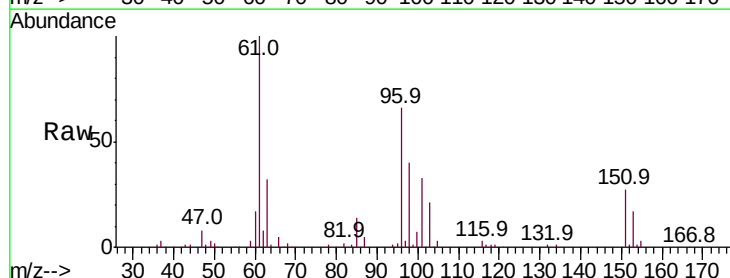
Tot Ion: 59 Resp: 160037
 Ion Ratio Lower Upper
 59 100
 57 9.4 7.8 11.6

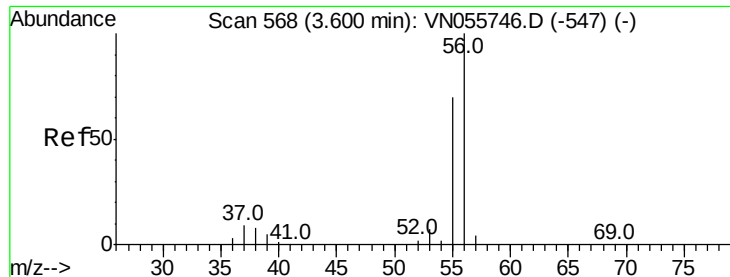


#12

1,1-Dichloroethene
 Concen: 47.307 ug/l
 RT: 3.72 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VN055888.D
 Acq: 30 May 2019 9:54

Tgt Ion: 96 Resp: 134325
 Ion Ratio Lower Upper
 96 100
 61 151.9 123.2 184.8
 98 61.0 50.4 75.6





#13

Acrolein

Concen: 202.061 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN055888.D

Acq: 30 May 2019 9:54

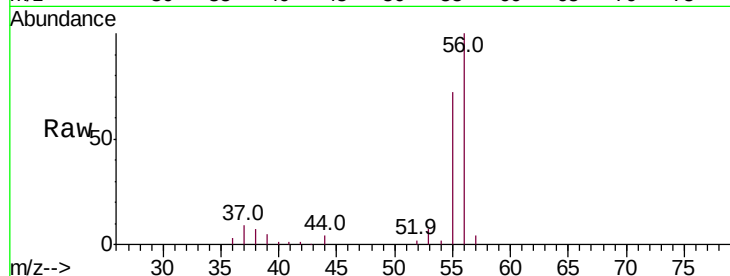
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 95315

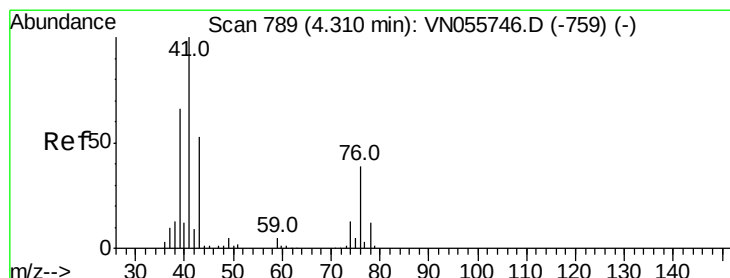
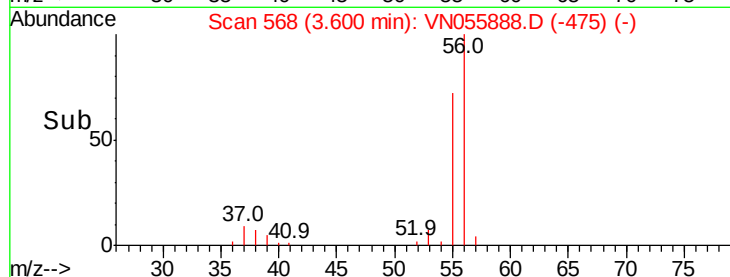
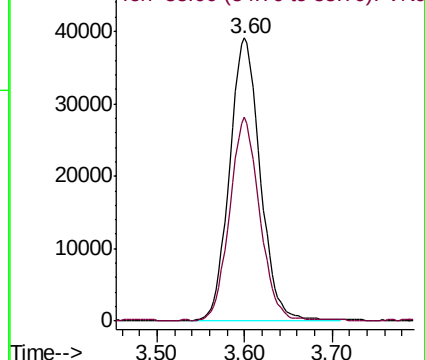
Ion Ratio Lower Upper

56 100

55 70.8 55.4 83.2



Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 55.00 (54.70 to 55.70): VNO



#14

Allyl chloride

Concen: 47.876 ug/l

RT: 4.31 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN055888.D

Acq: 30 May 2019 9:54

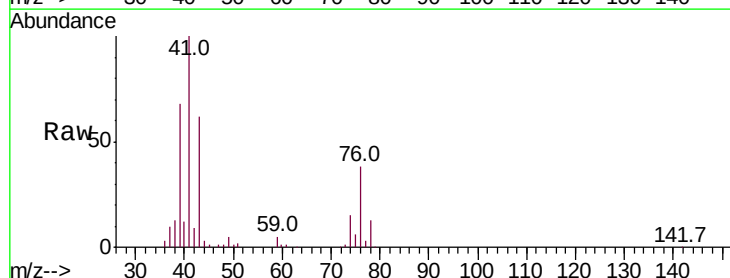
Tgt Ion: 41 Resp: 233045

Ion Ratio Lower Upper

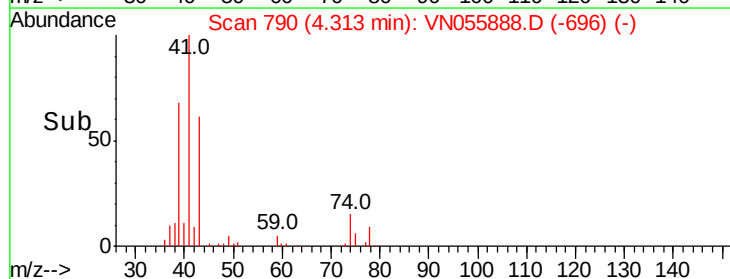
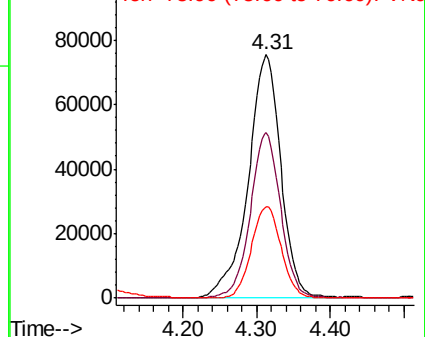
41 100

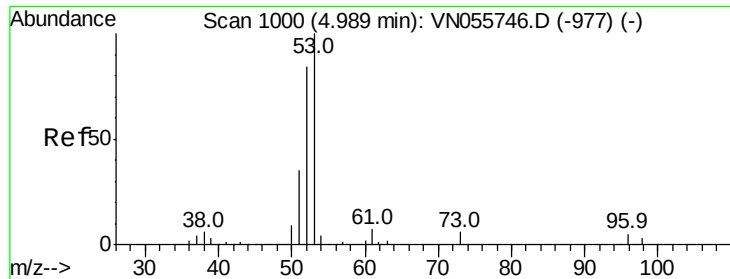
39 63.1 50.0 75.0

76 34.3 28.2 42.2



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 75.90 (75.60 to 76.60): VNO

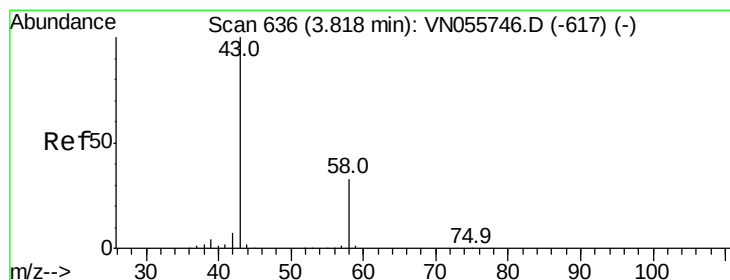
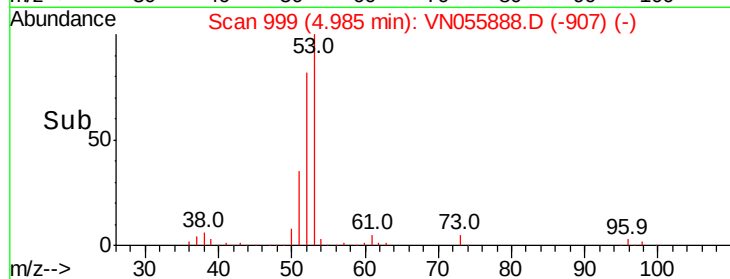
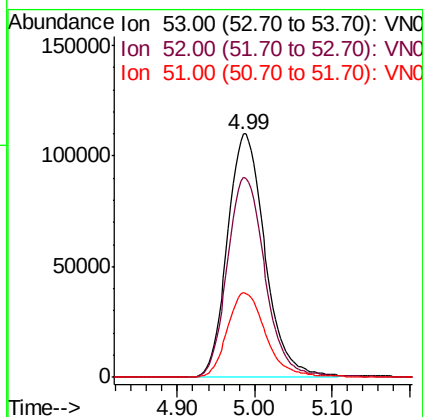
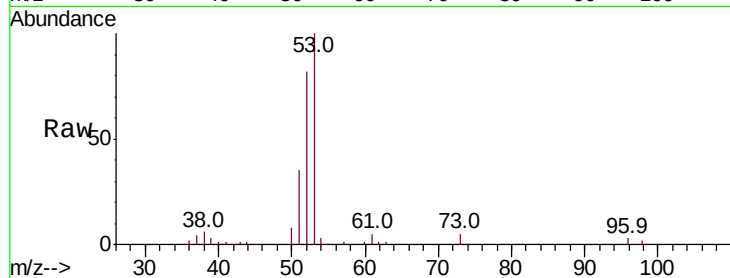




#15
 Acrylonitrile
 Concen: 245.675 ug/l
 RT: 4.99 min Scan# 999
 Delta R.T. -0.00 min
 Lab File: VN055888.D
 Acq: 30 May 2019 9:54

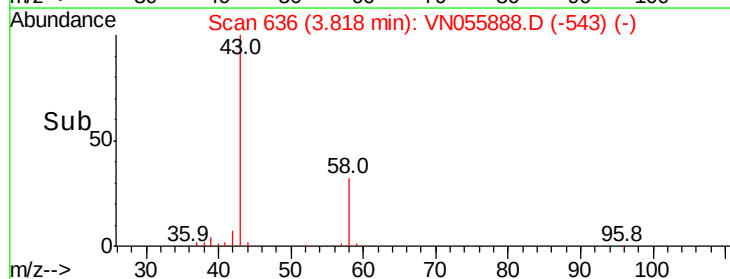
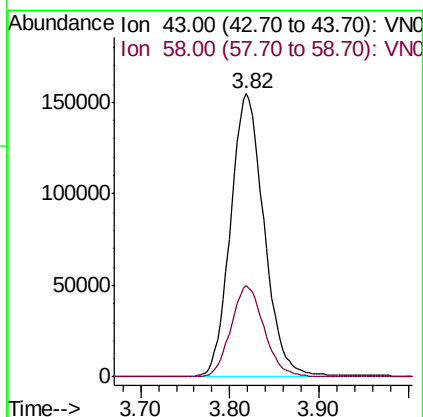
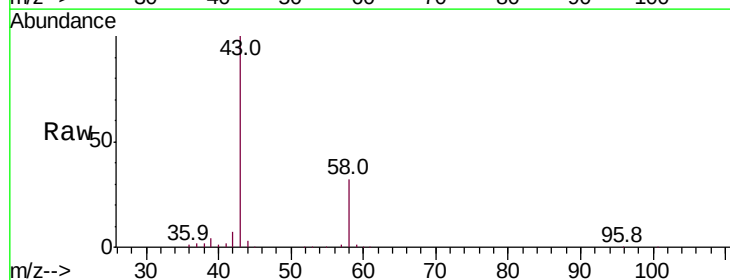
Instrument :
 MSVOA_N
 ClientSampled :

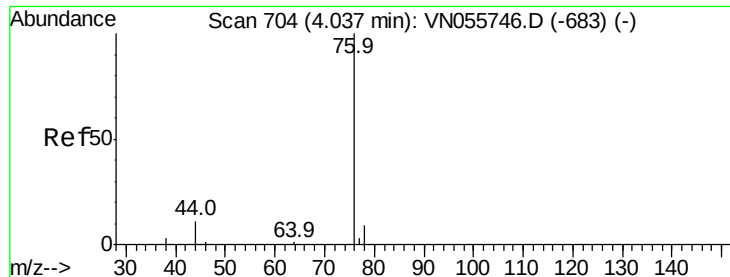
Tot Ion: 53 Resp: 371640
 Ion Ratio Lower Upper
 53 100
 52 82.5 65.8 98.8
 51 35.5 28.2 42.4



#16
 Acetone
 Concen: 263.296 ug/l
 RT: 3.82 min Scan# 636
 Delta R.T. 0.00 min
 Lab File: VN055888.D
 Acq: 30 May 2019 9:54

Tgt Ion: 43 Resp: 399057
 Ion Ratio Lower Upper
 43 100
 58 32.3 26.6 39.8





#17

Carbon Disulfide

Concen: 40.873 ug/l

RT: 4.04 min Scan# 705

Delta R.T. 0.00 min

Lab File: VN055888.D

Acq: 30 May 2019 9:54

Instrument :

MSVOA_N

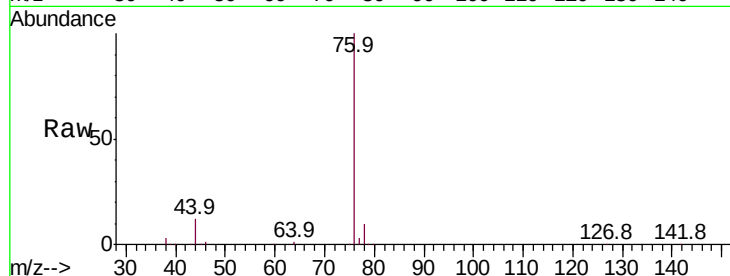
ClientSampleId :

Tot Ion: 76 Resp: 329733

Ion Ratio Lower Upper

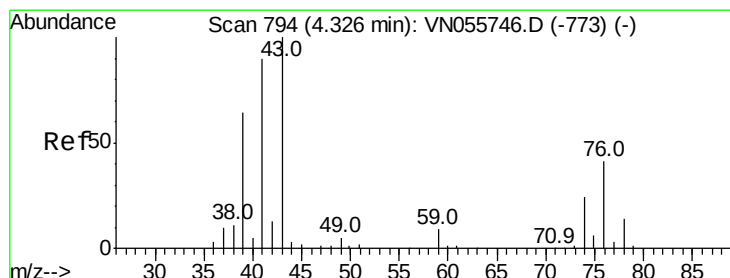
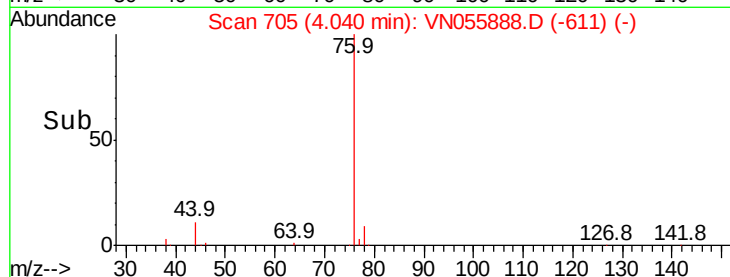
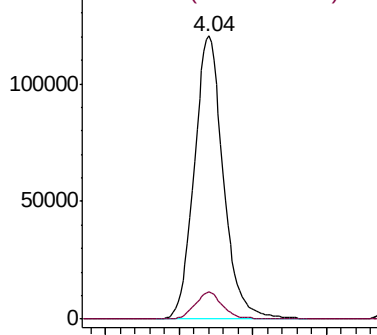
76 100

78 9.6 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC



#18

Methyl Acetate

Concen: 51.745 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN055888.D

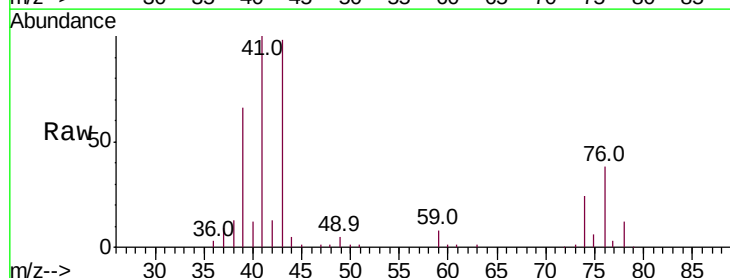
Acq: 30 May 2019 9:54

Tgt Ion: 43 Resp: 159301

Ion Ratio Lower Upper

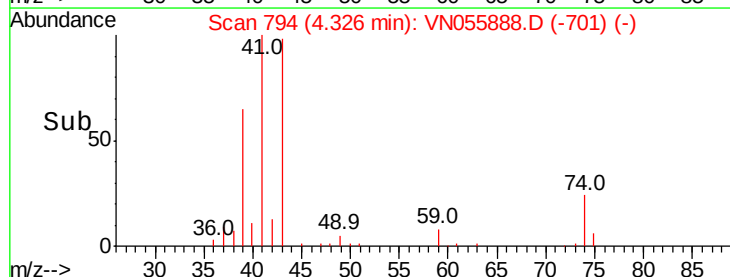
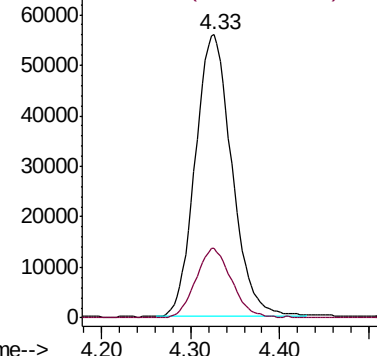
43 100

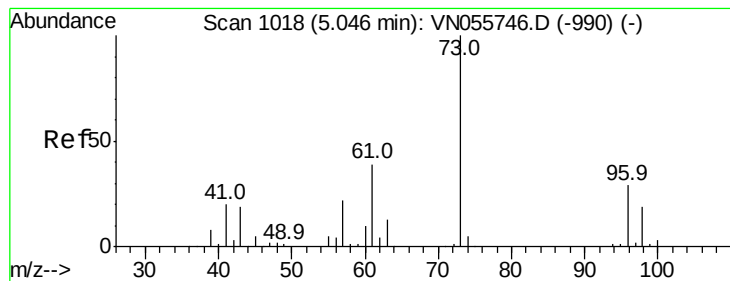
74 24.1 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 74.00 (73.70 to 74.70): VNC



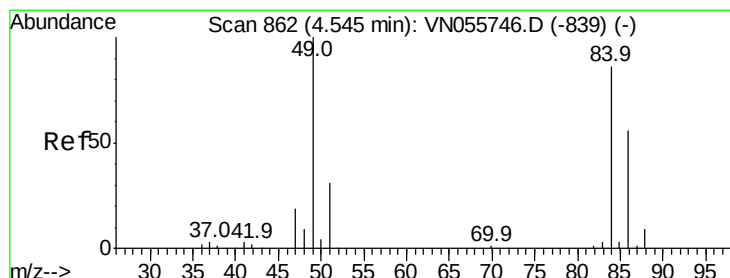
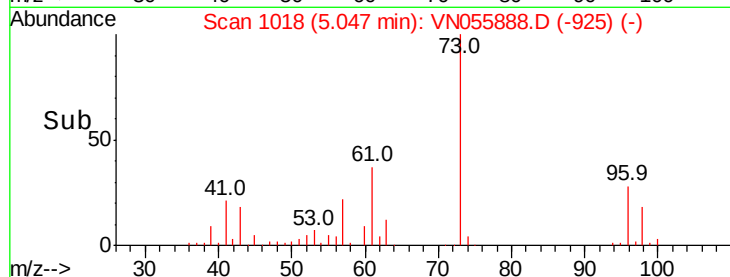
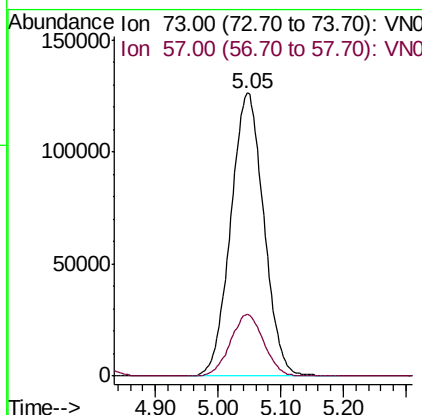
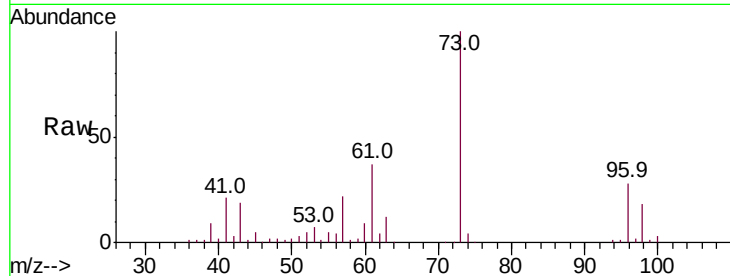


#19

Methyl tert-butyl Ether
 Concen: 48.845 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VN055888.D
 Acq: 30 May 2019 9:54

Instrument :
 MSVOA_N
 ClientSampled :

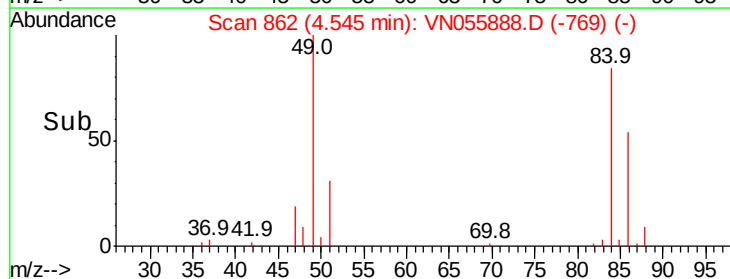
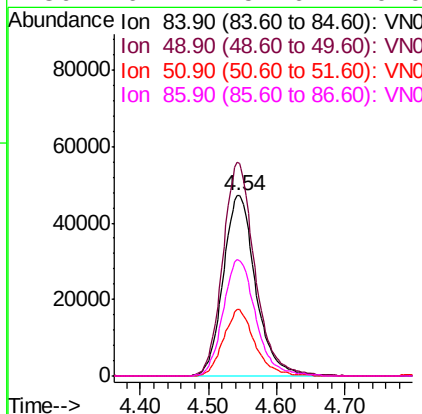
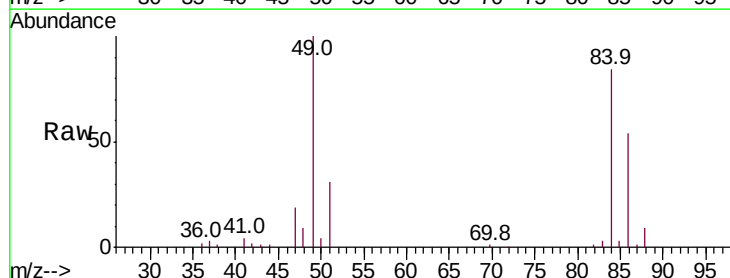
Tot Ion: 73 Resp: 462556
 Ion Ratio Lower Upper
 73 100
 57 21.7 17.8 26.8

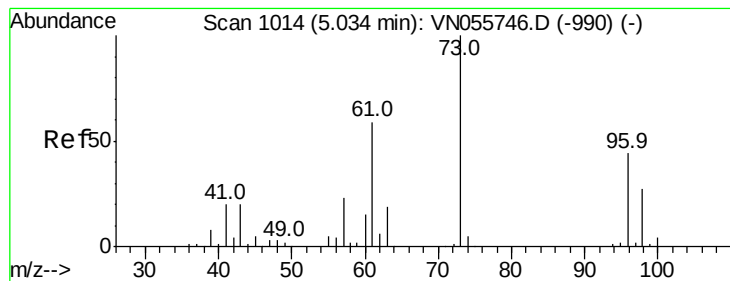


#20

Methylene Chloride
 Concen: 47.574 ug/l
 RT: 4.54 min Scan# 862
 Delta R.T. 0.00 min
 Lab File: VN055888.D
 Acq: 30 May 2019 9:54

Tgt Ion: 84 Resp: 156155
 Ion Ratio Lower Upper
 84 100
 49 118.4 93.5 140.3
 51 37.2 28.6 43.0
 86 64.4 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 47.278 ug/l

RT: 5.03 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VN055888.D

Acq: 30 May 2019 9:54

Instrument :
MSVOA_N
ClientSampleId :

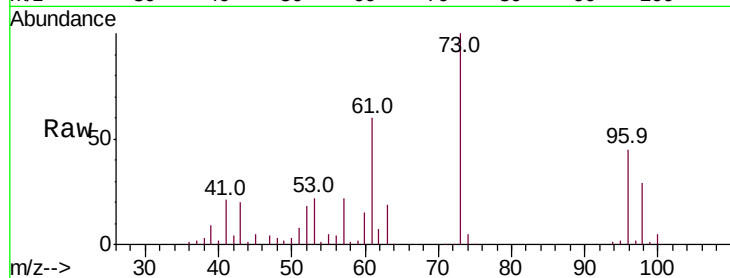
Tot Ion: 96 Resp: 144222

Ion Ratio Lower Upper

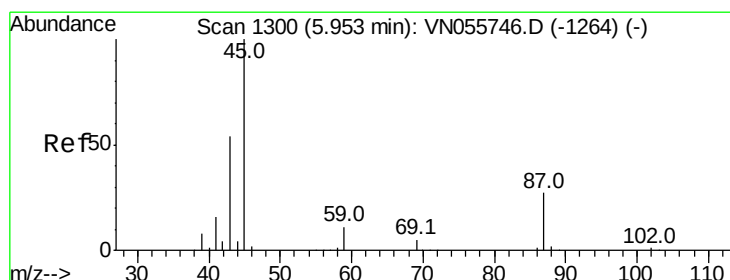
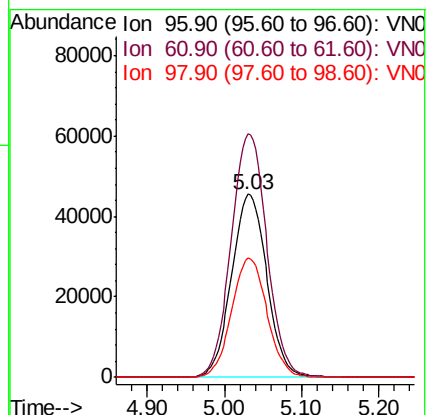
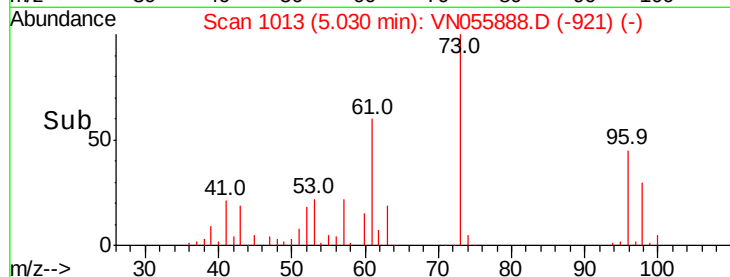
96 100

61 132.9 107.8 161.8

98 64.9 49.8 74.8



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



#22

Diisopropyl ether

Concen: 50.235 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN055888.D

Acq: 30 May 2019 9:54

Tgt Ion: 45 Resp: 475598

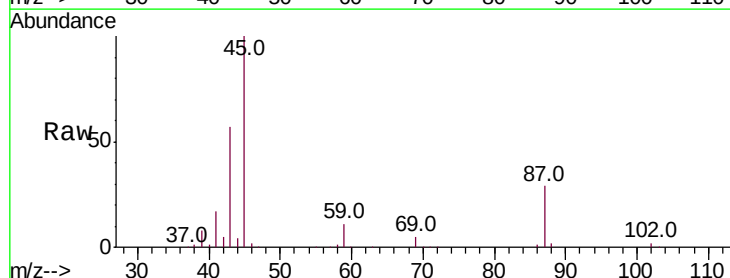
Ion Ratio Lower Upper

45 100

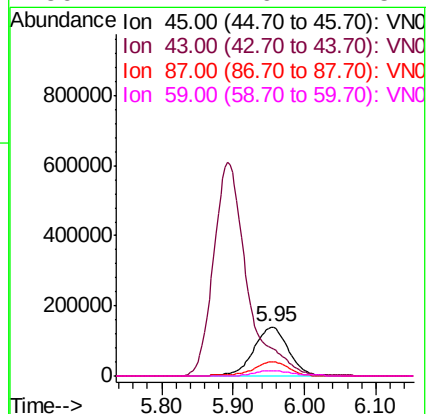
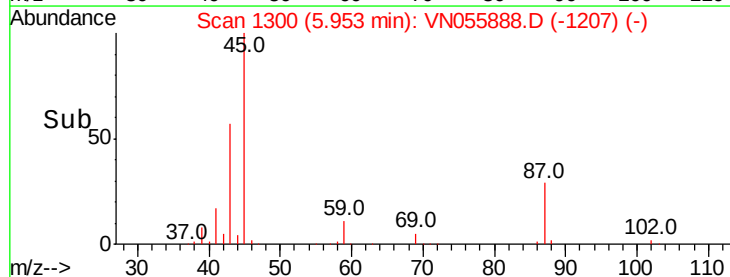
43 55.6 45.0 67.6

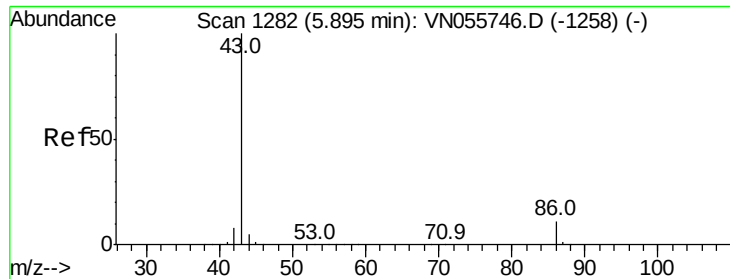
87 28.6 22.2 33.4

59 11.1 9.1 13.7



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





#23

Vinyl Acetate

Concen: 245.789 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VN055888.D

Acq: 30 May 2019 9:54

Instrument :

MSVOA_N

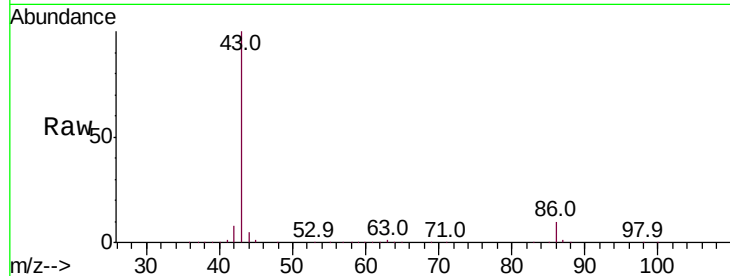
ClientSampled :

Tot Ion: 43 Resp: 1995114

Ion Ratio Lower Upper

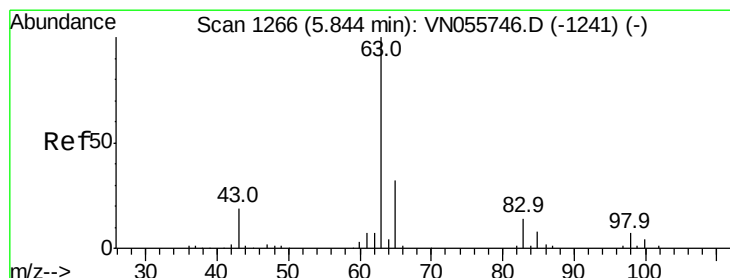
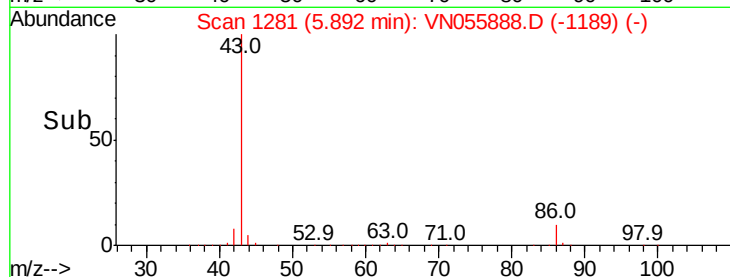
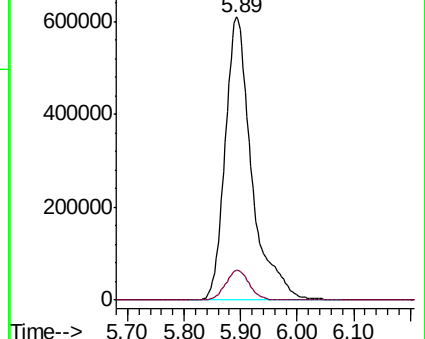
43 100

86 10.5 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 48.772 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN055888.D

Acq: 30 May 2019 9:54

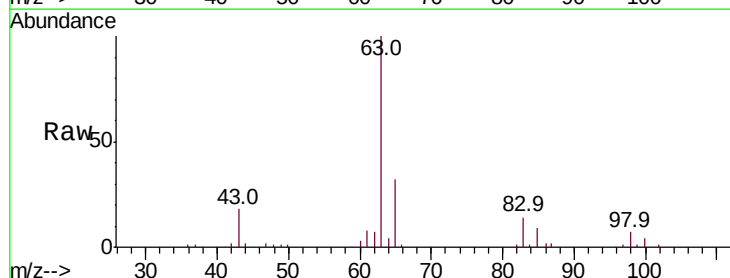
Tgt Ion: 63 Resp: 268839

Ion Ratio Lower Upper

63 100

98 6.9 3.4 10.1

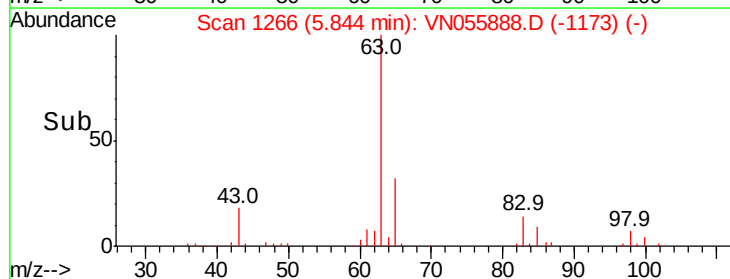
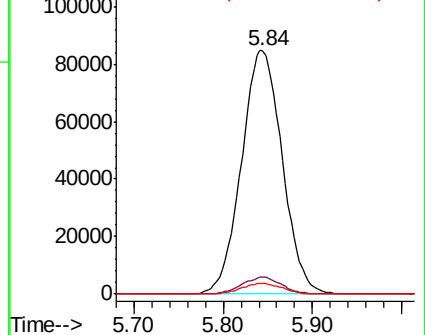
100 4.4 2.2 6.6

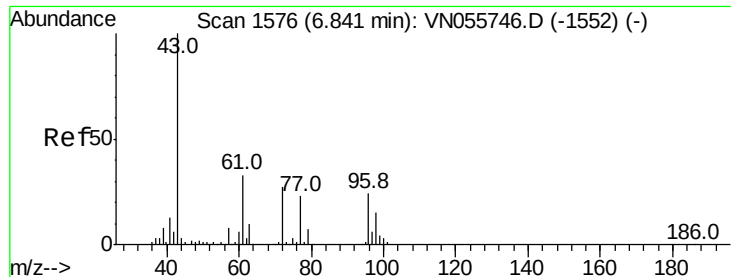


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 251.546 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. -0.00 min

Lab File: VN055888.D

Acq: 30 May 2019 9:54

Instrument :

MSVOA_N

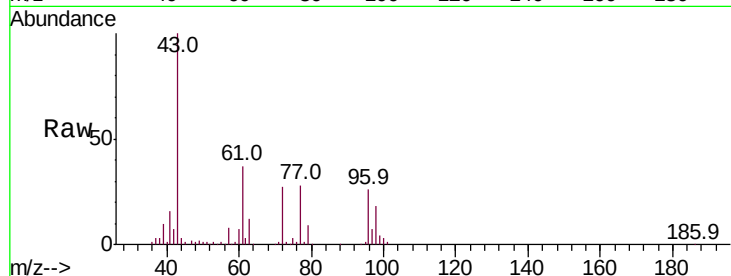
ClientSampled :

Tot Ion: 43 Resp: 532444

Ion Ratio Lower Upper

43 100

72 27.5 21.9 32.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.84

200000

150000

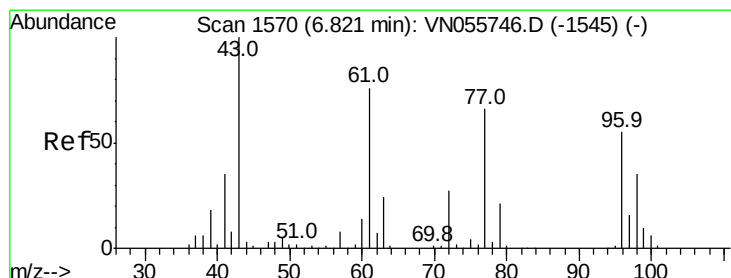
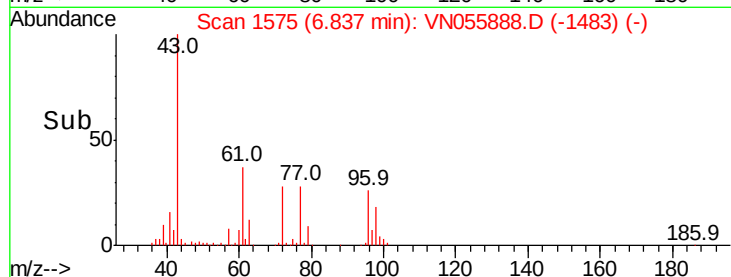
100000

50000

0

6.70 6.75 6.80 6.85 6.90

Time-->



#26

2,2-Dichloropropane

Concen: 48.086 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. 0.00 min

Lab File: VN055888.D

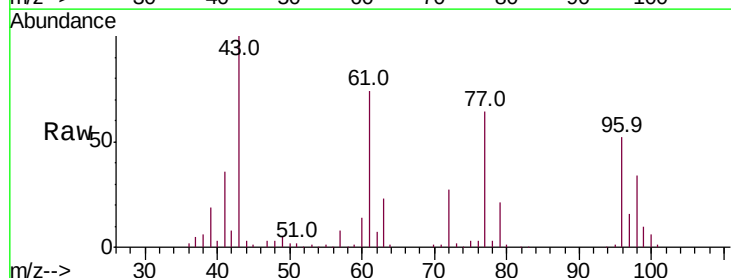
Acq: 30 May 2019 9:54

Tgt Ion: 77 Resp: 229396

Ion Ratio Lower Upper

77 100

97 24.5 12.2 36.6



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.82

80000

60000

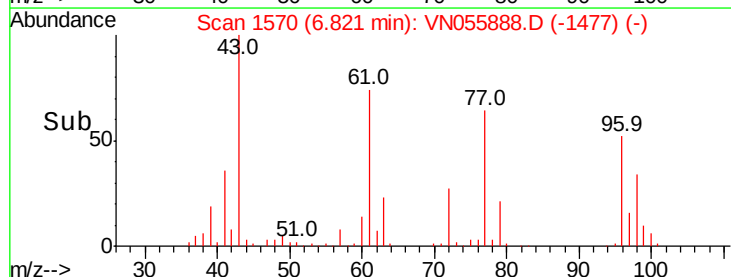
40000

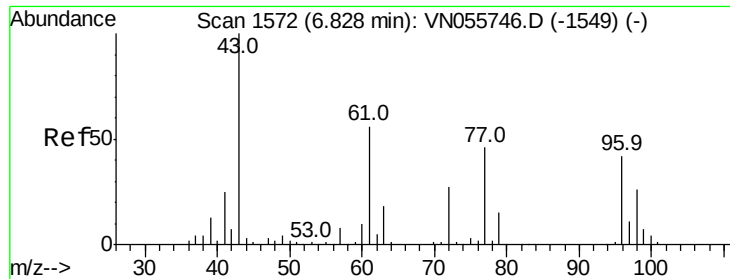
20000

0

6.70 6.75 6.80 6.85 6.90

Time-->





#27

cis-1,2-Dichloroethene

Concen: 48.990 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN055888.D

Acq: 30 May 2019 9:54

Instrument :
MSVOA_N
ClientSampled :

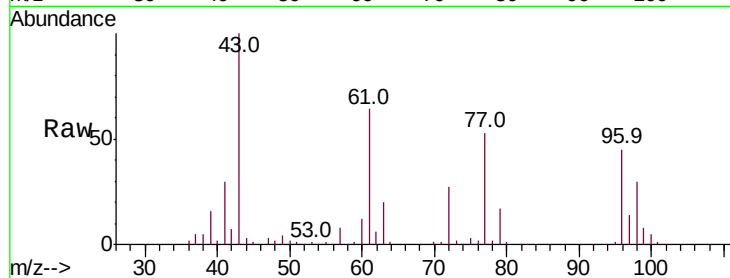
Tot Ion: 96 Resp: 174353

Ion Ratio Lower Upper

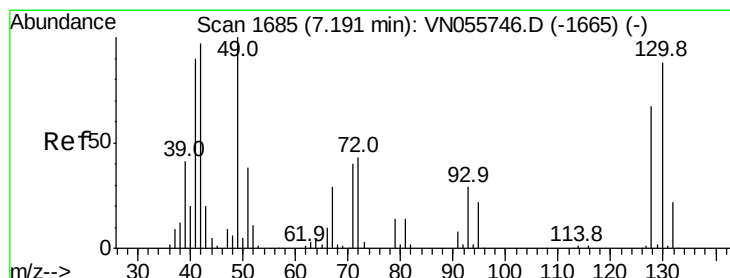
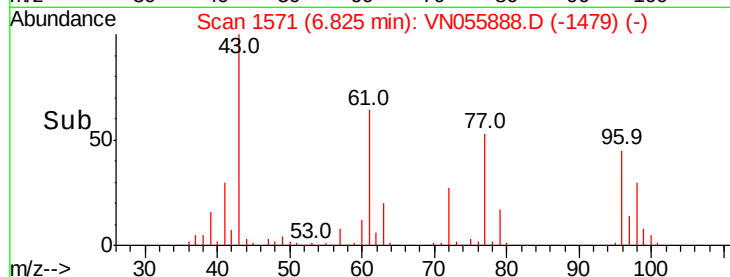
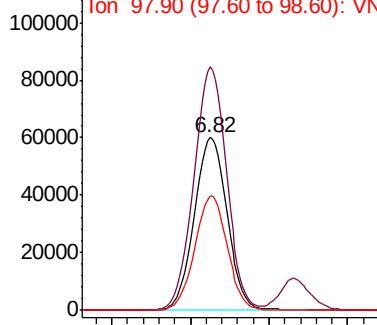
96 100

61 140.6 0.0 275.8

98 65.5 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: 50.199 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VN055888.D

Acq: 30 May 2019 9:54

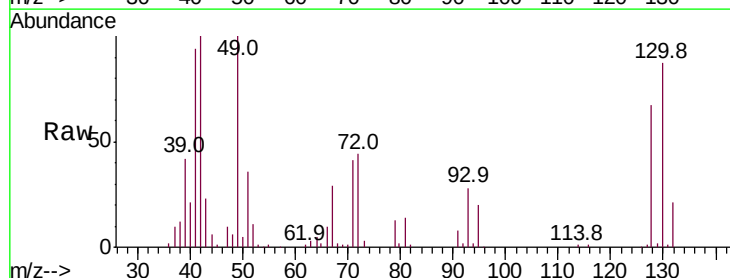
Tgt Ion: 49 Resp: 131745

Ion Ratio Lower Upper

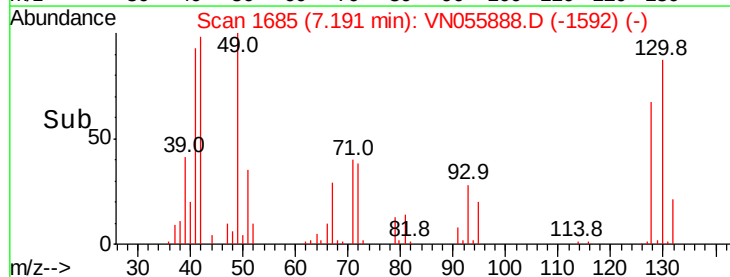
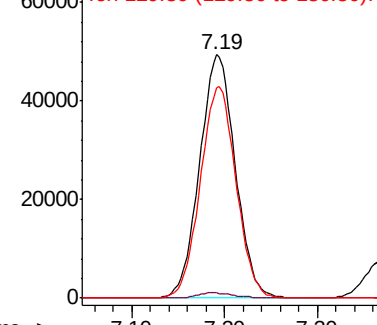
49 100

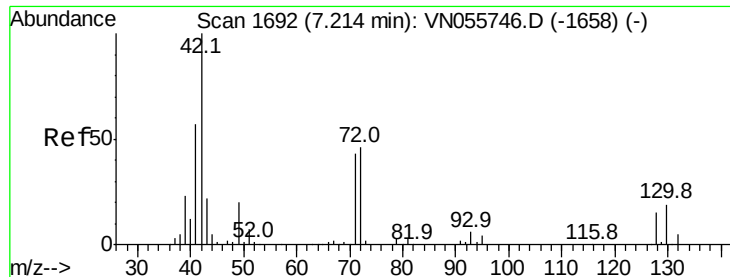
129 2.2 0.0 4.4

130 86.9 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

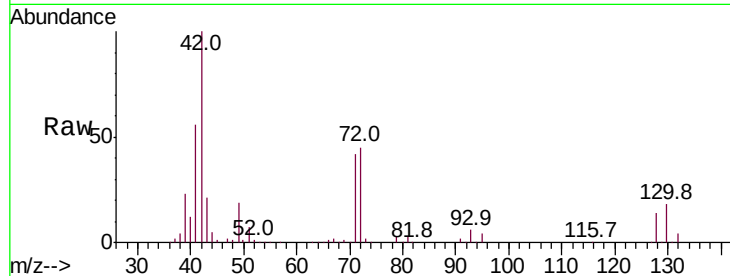




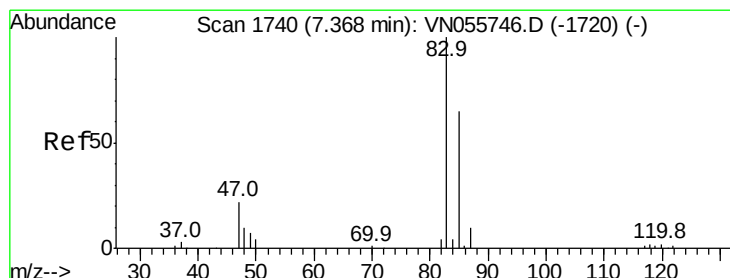
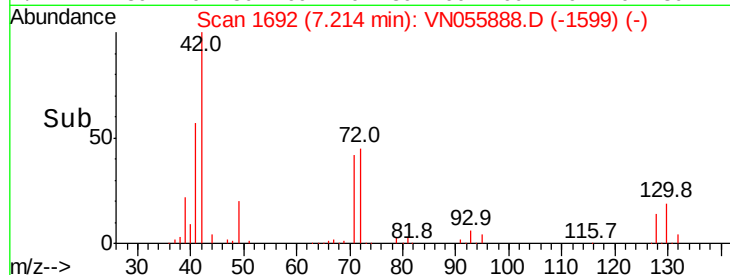
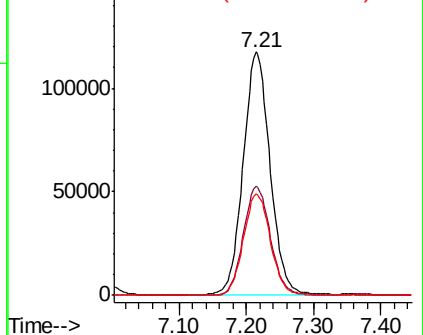
#29
Tetrahydrofuran
Concen: 244.325 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN055888.D
Acq: 30 May 2019 9:54

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 327503
Ion Ratio Lower Upper
42 100
72 44.8 35.9 53.9
71 41.7 34.0 51.0

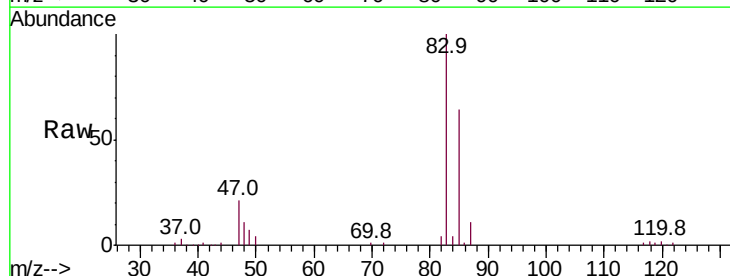


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

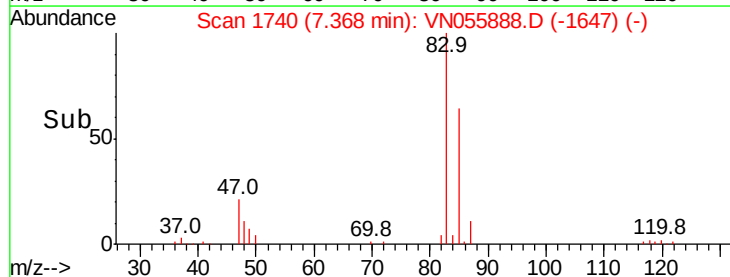
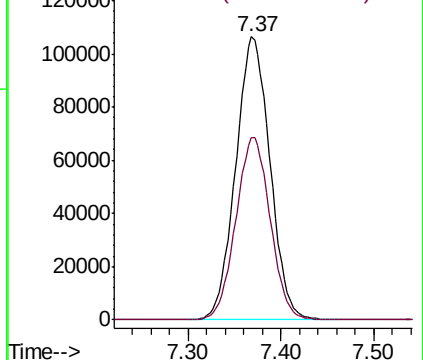


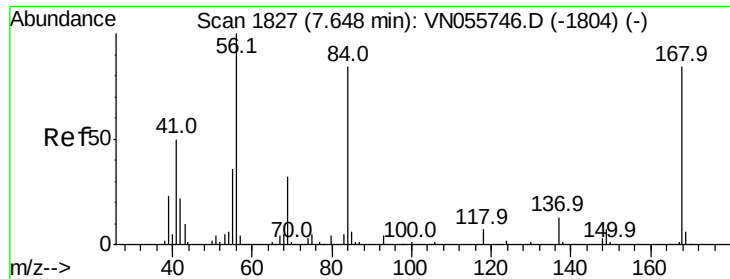
#30
Chloroform
Concen: 49.680 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VN055888.D
Acq: 30 May 2019 9:54

Tgt Ion: 83 Resp: 273103
Ion Ratio Lower Upper
83 100
85 64.4 51.8 77.8



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

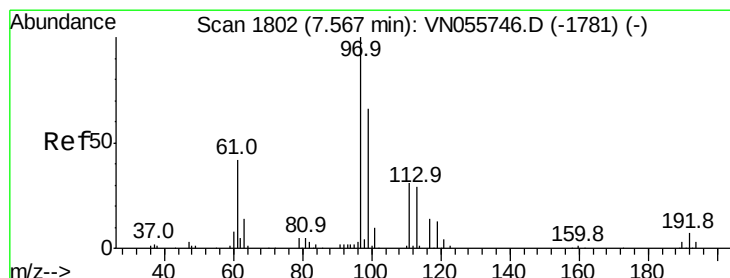
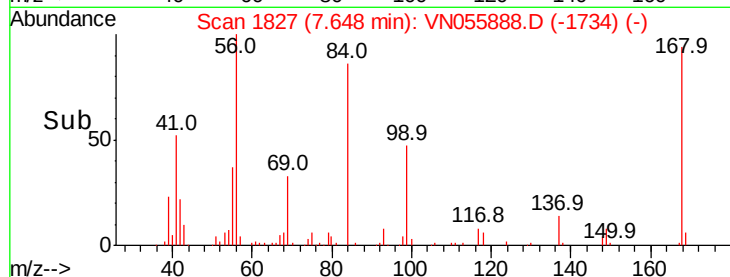
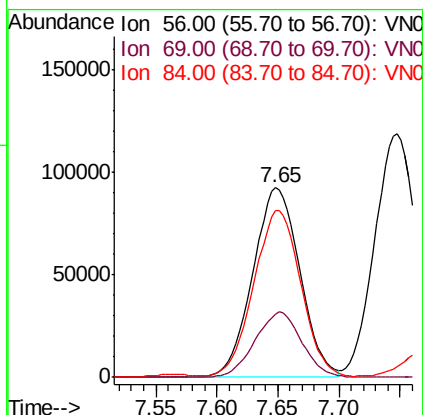
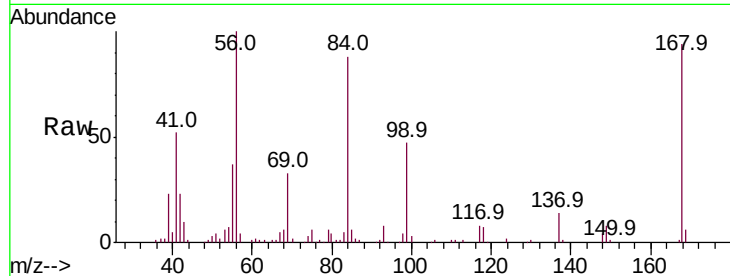




#31
Cyclohexane
Concen: 47.694 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN055888.D
Acq: 30 May 2019 9:54

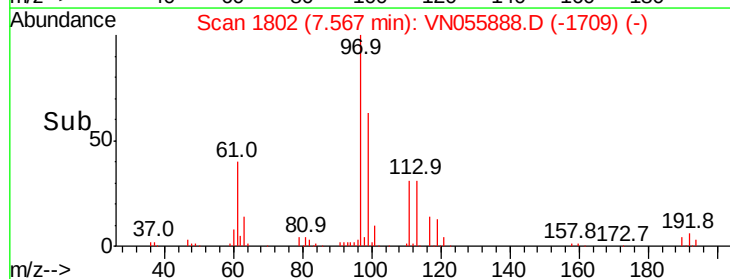
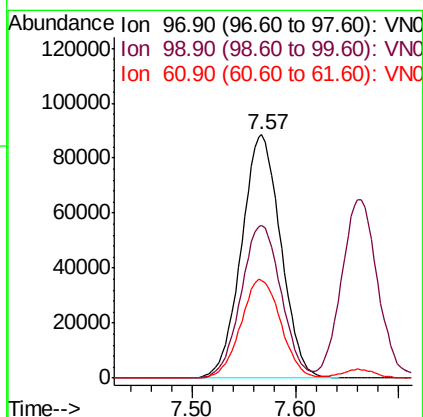
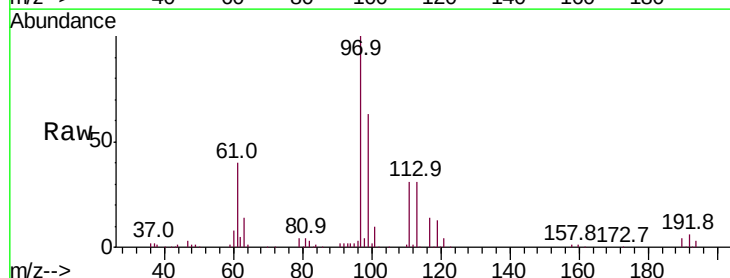
Instrument :
MSVOA_N
ClientSampleId :

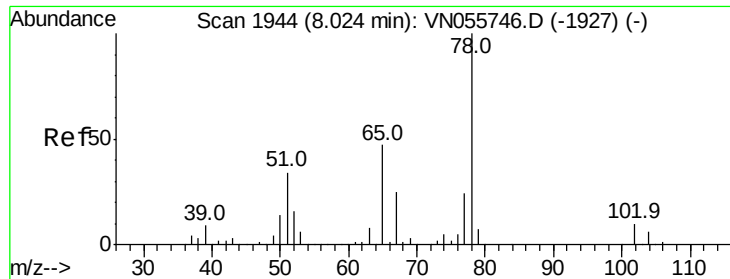
Tot Ion: 56 Resp: 246827
Ion Ratio Lower Upper
56 100
69 33.4 25.6 38.4
84 87.1 67.4 101.0



#32
1,1,1-Trichloroethane
Concen: 47.755 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN055888.D
Acq: 30 May 2019 9:54

Tgt Ion: 97 Resp: 234264
Ion Ratio Lower Upper
97 100
99 64.1 52.0 78.0
61 41.2 32.9 49.3

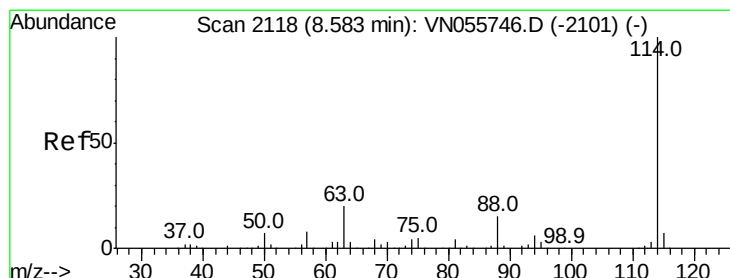
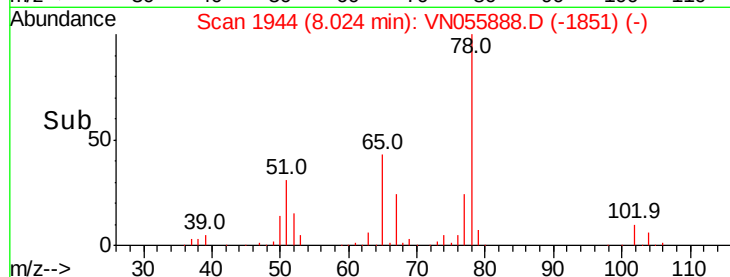
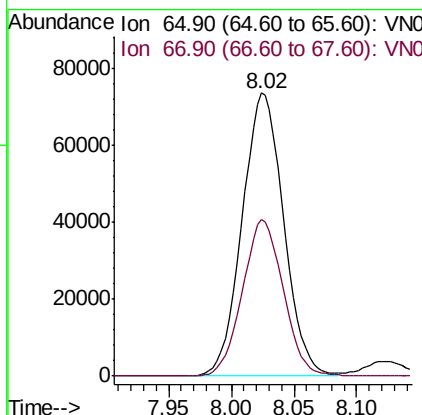
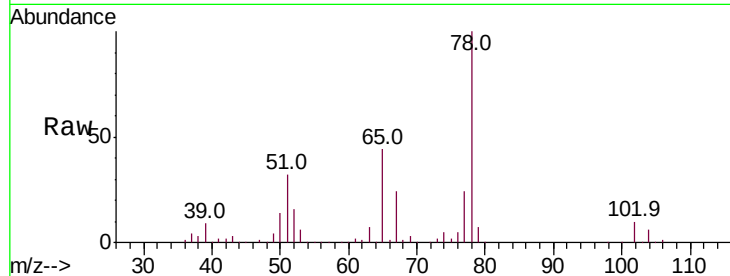




#33
 1,2-Dichloroethane-d4
 Concen: 49.215 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN055888.D
 Acq: 30 May 2019 9:54

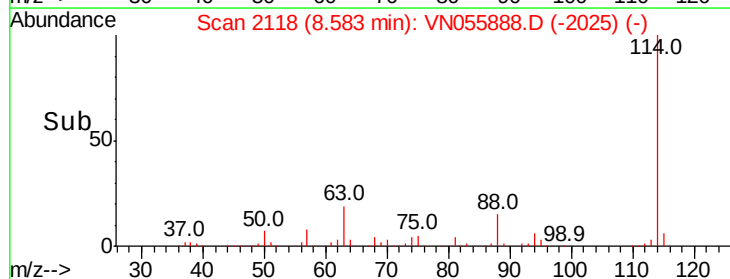
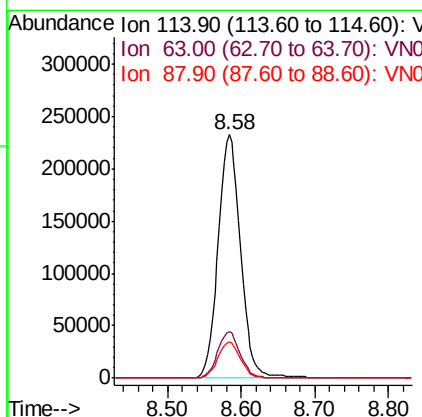
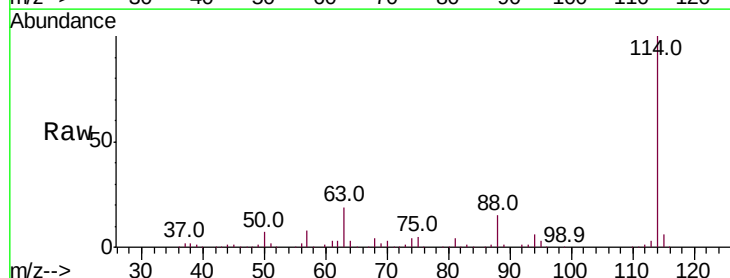
Instrument :
 MSVOA_N
 ClientSampleId :

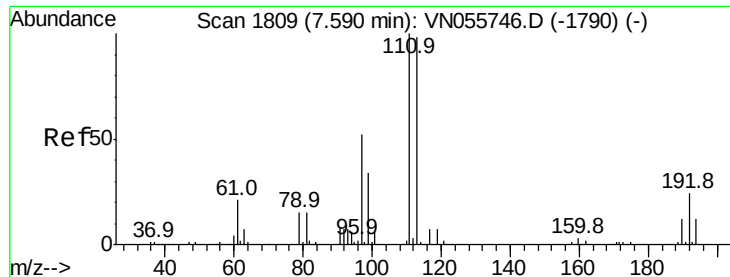
Tot Ion: 65 Resp: 169690
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 109.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055888.D
 Acq: 30 May 2019 9:54

Tgt Ion: 114 Resp: 491086
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 39.2
 88 14.8 0.0 31.0





#35

Dibromofluoromethane

Concen: 48.602 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN055888.D

Acq: 30 May 2019 9:54

Instrument :
MSVOA_N
ClientSampleId :

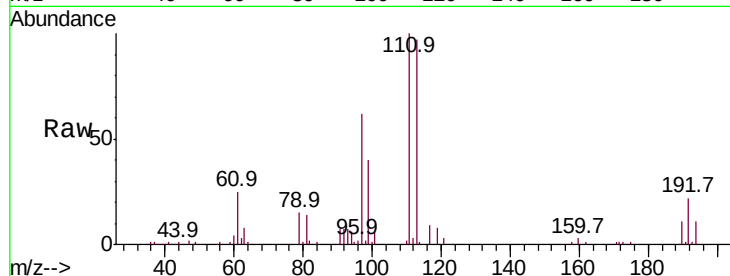
Tot Ion:113 Resp: 150899

Ion Ratio Lower Upper

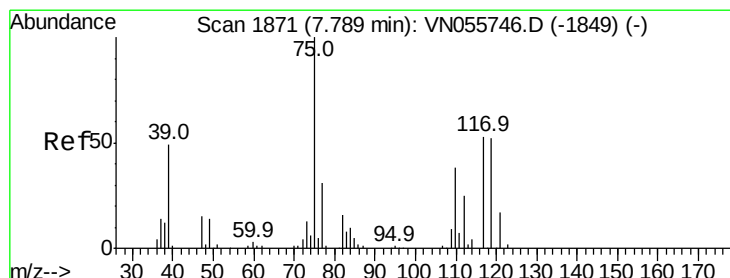
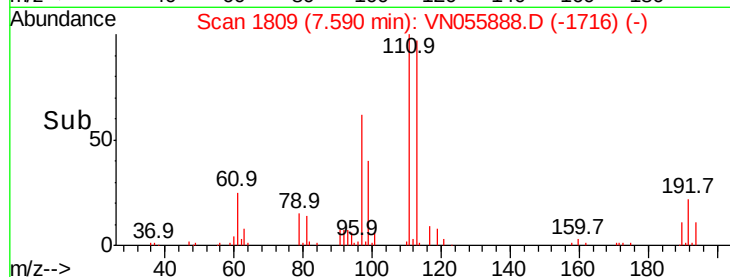
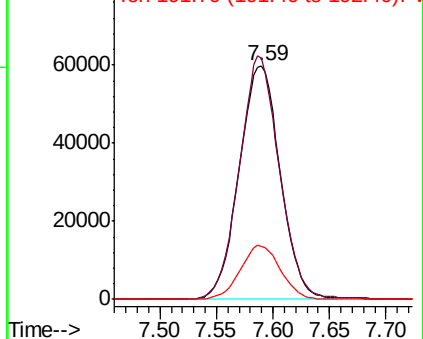
113 100

111 101.8 81.9 122.9

192 22.6 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: 47.381 ug/l

RT: 7.79 min Scan# 1871

Delta R.T. 0.00 min

Lab File: VN055888.D

Acq: 30 May 2019 9:54

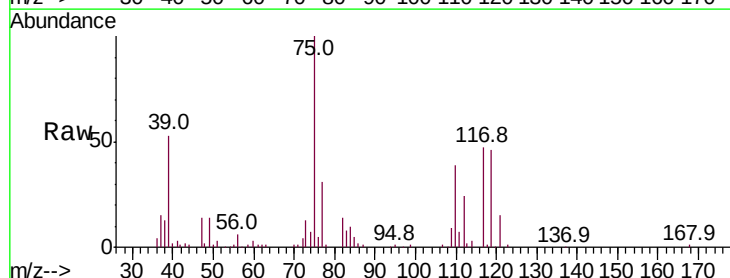
Tgt Ion: 75 Resp: 202772

Ion Ratio Lower Upper

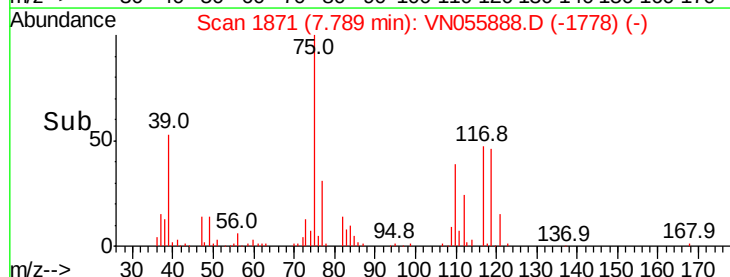
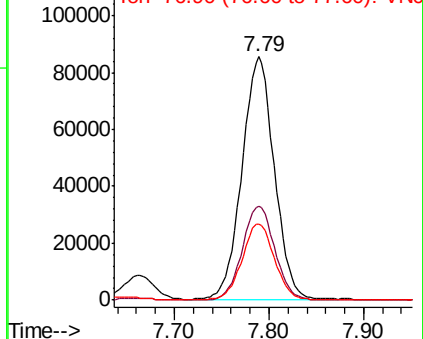
75 100

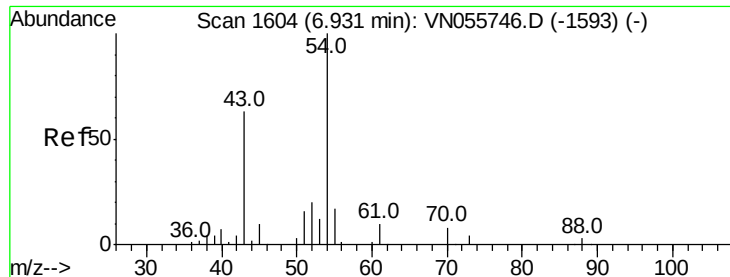
110 38.9 19.0 57.0

77 31.7 25.1 37.7



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

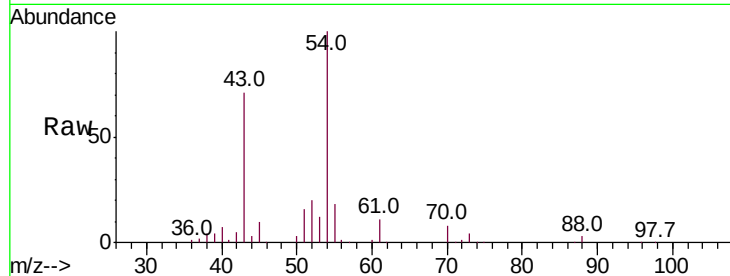




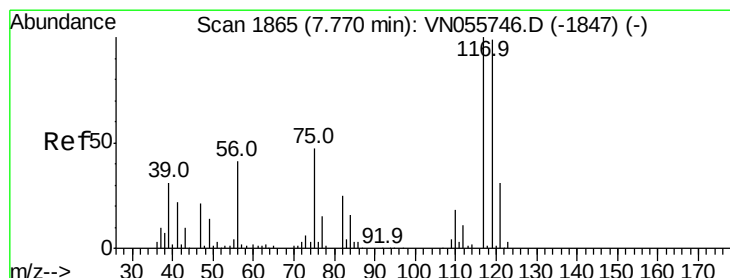
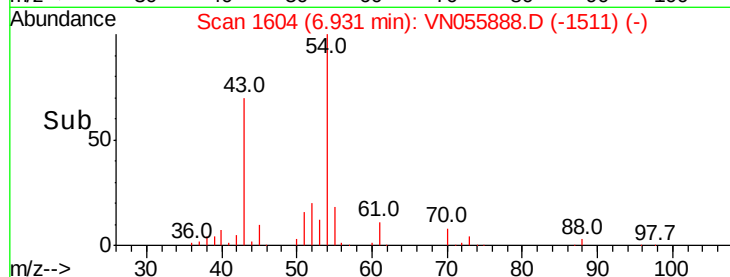
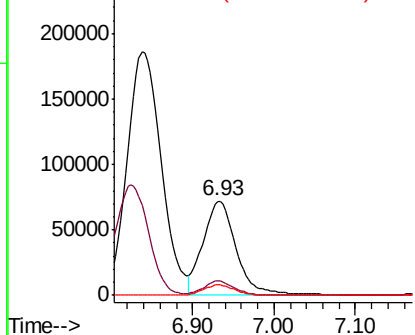
#37
Ethyl Acetate
Concen: 48.883 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN055888.D
Acq: 30 May 2019 9:54

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 202191
Ion Ratio Lower Upper
43 100
61 14.2 12.2 18.2
70 10.6 8.9 13.3

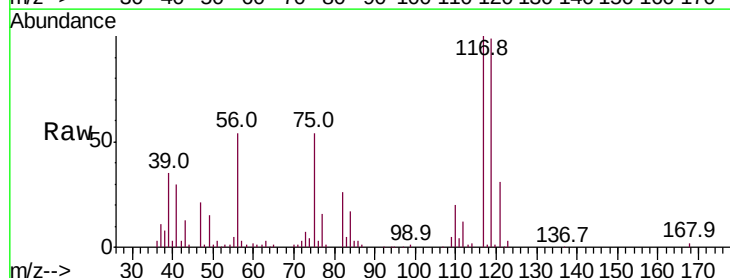


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

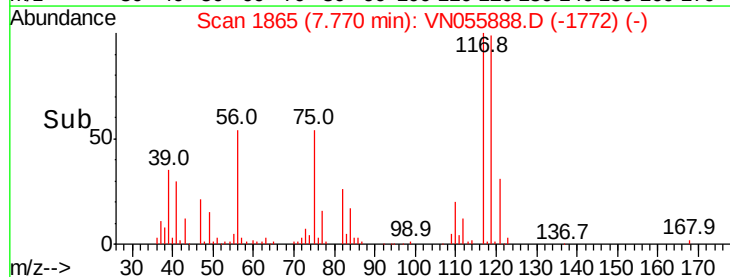
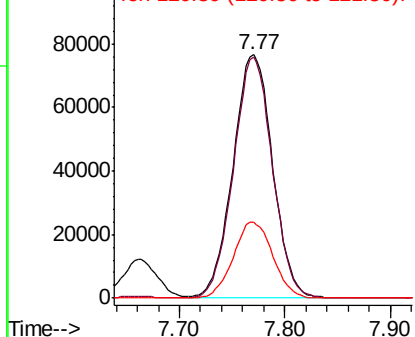


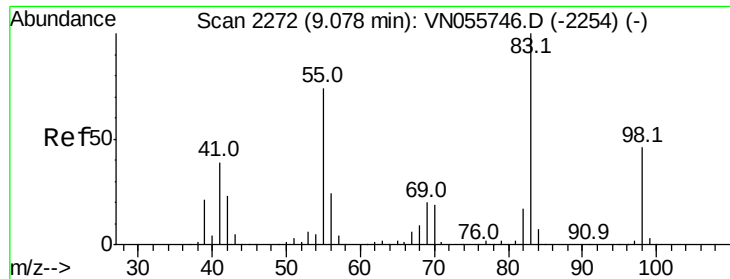
#38
Carbon Tetrachloride
Concen: 44.730 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN055888.D
Acq: 30 May 2019 9:54

Tgt Ion: 117 Resp: 199399
Ion Ratio Lower Upper
117 100
119 99.2 79.0 118.6
121 31.1 24.7 37.1



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

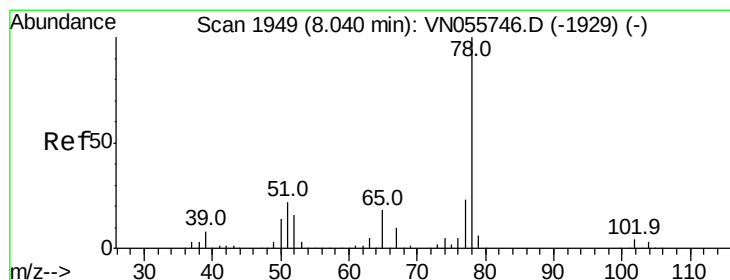
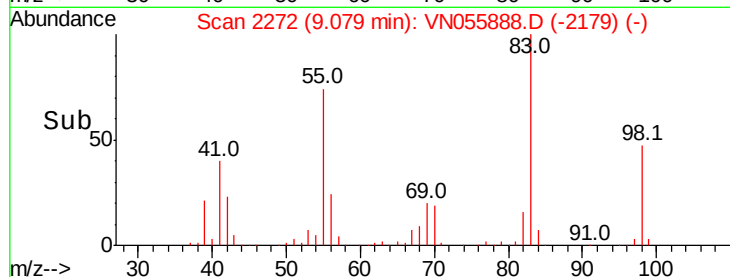
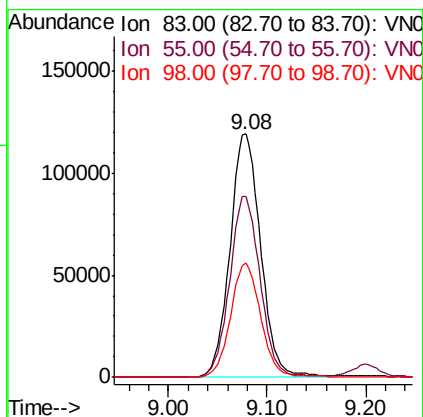
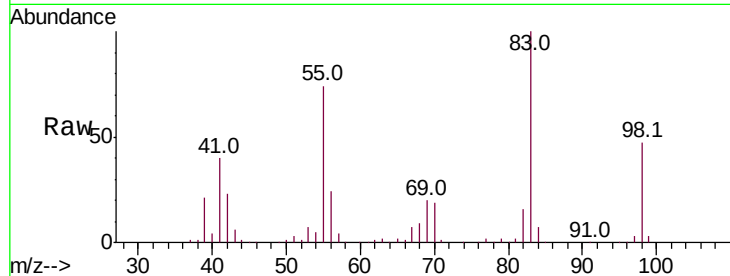




#39
Methvlcvclohexane
Concen: 48.929 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN055888.D
Acq: 30 May 2019 9:54

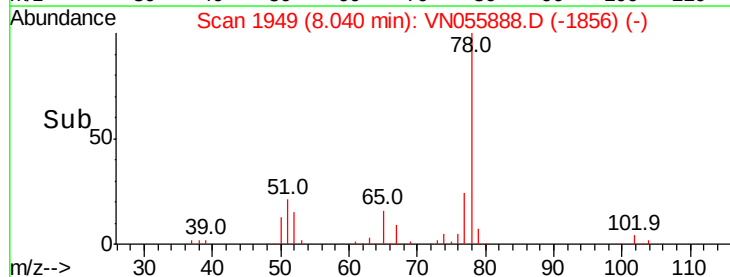
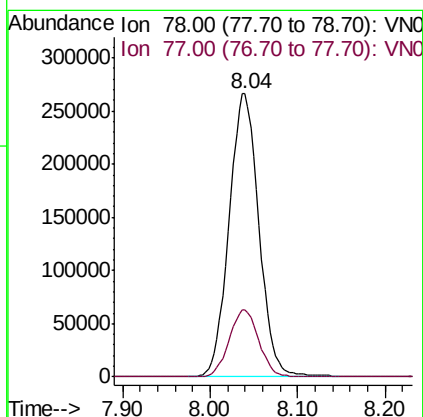
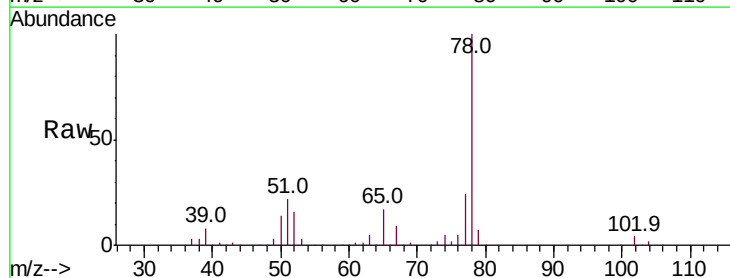
Instrument :
MSVOA_N
ClientSampleId :

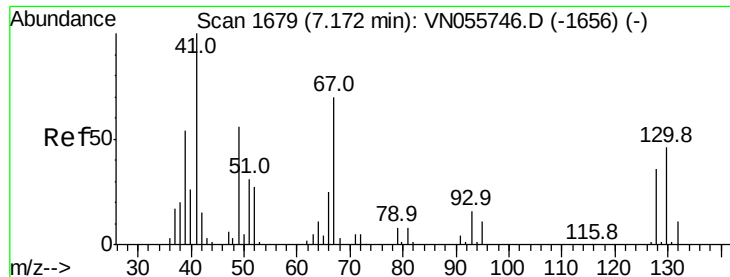
Tot Ion: 83 Resp: 259299
Ion Ratio Lower Upper
83 100
55 74.2 59.3 88.9
98 46.8 36.6 54.8



#40
Benzene
Concen: 48.918 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055888.D
Acq: 30 May 2019 9:54

Tgt Ion: 78 Resp: 630941
Ion Ratio Lower Upper
78 100
77 23.9 18.8 28.2

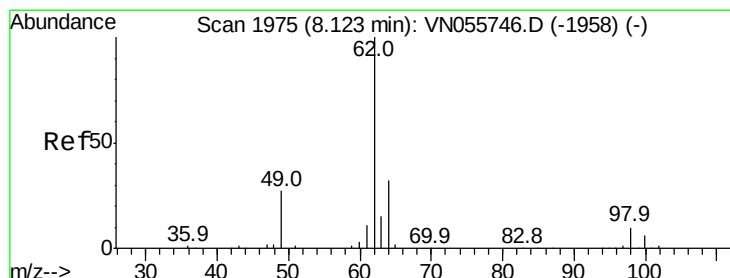
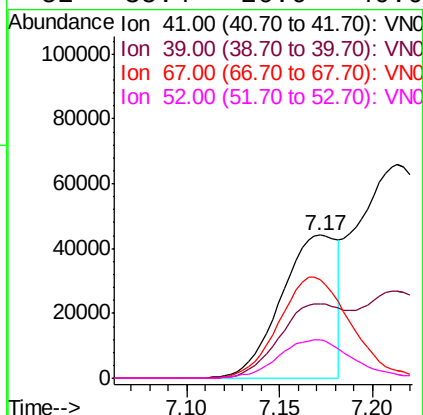
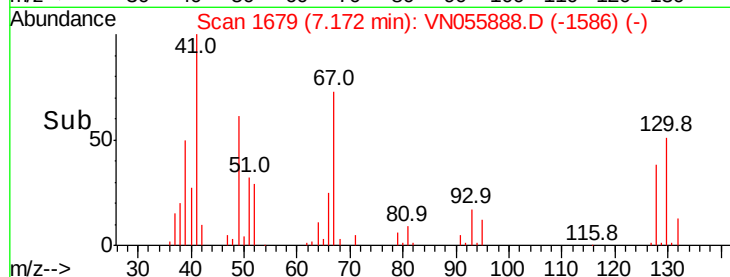
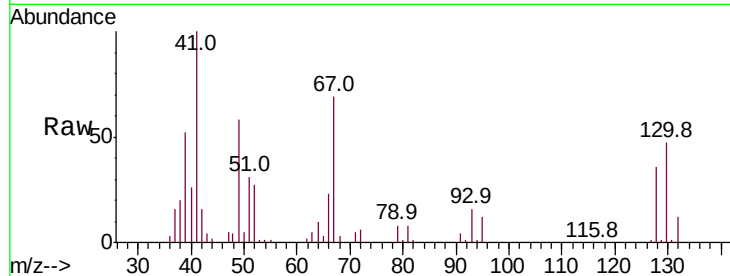




#41
Methacrylonitrile
Concen: 44.639 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN055888.D
Acq: 30 May 2019 9:54

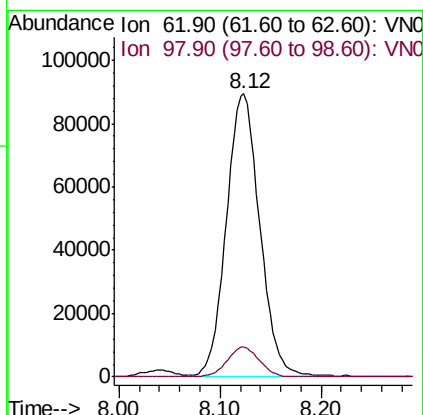
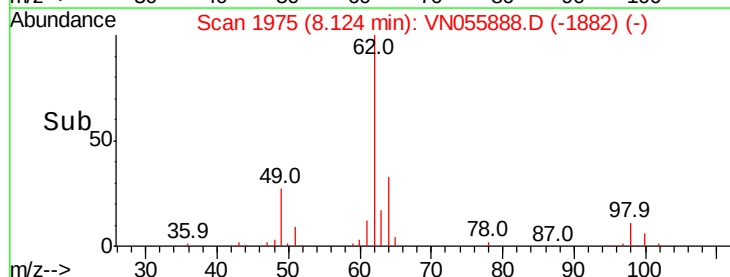
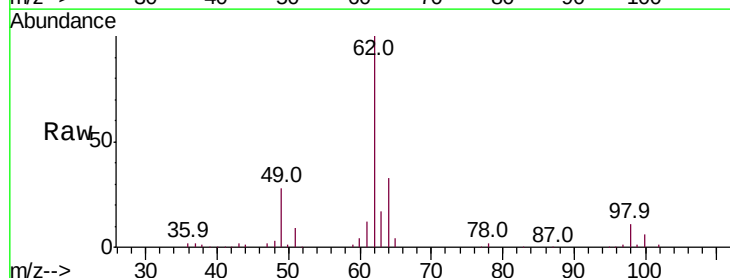
Instrument :
MSVOA_N
ClientSampled :

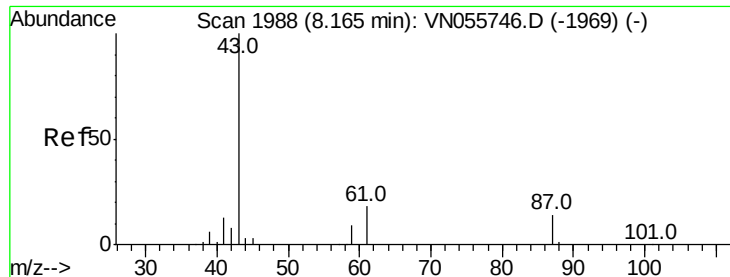
Tot Ion: 41 Resp: 93280
Ion Ratio Lower Upper
41 100
39 61.6 45.6 68.4
67 91.1 67.7 101.5
52 35.4 26.6 40.0



#42
1,2-Dichloroethane
Concen: 48.596 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055888.D
Acq: 30 May 2019 9:54

Tgt Ion: 62 Resp: 204811
Ion Ratio Lower Upper
62 100
98 10.2 0.0 20.2





#43

Isopropyl Acetate

Concen: 47.787 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055888.D

Acq: 30 May 2019 9:54

Instrument :

MSVOA_N

ClientSampleId :

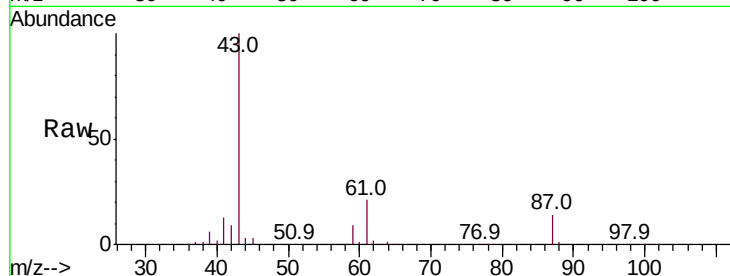
Tot Ion: 43 Resp: 332105

Ion Ratio Lower Upper

43 100

61 20.8 22.2 33.4#

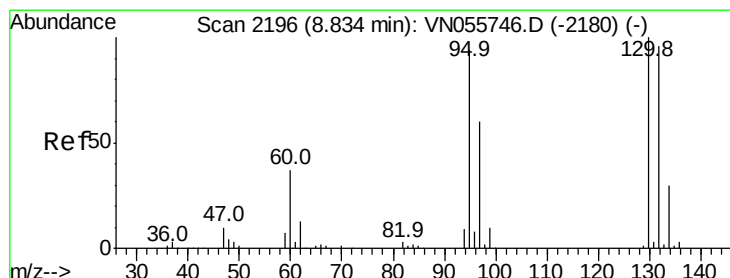
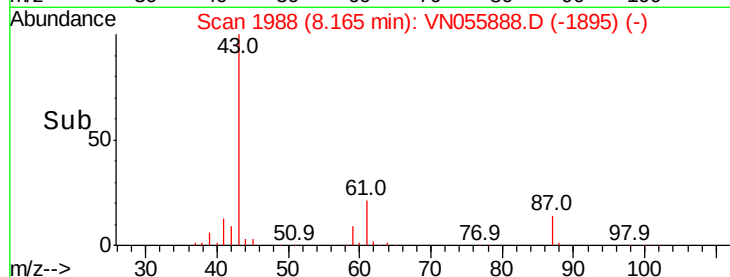
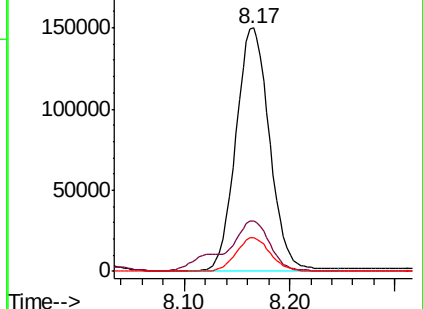
87 14.0 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VN055746.D (-1969) (-)

Ion 61.00 (60.70 to 61.70): VN055746.D (-1969) (-)

Ion 87.00 (86.70 to 87.70): VN055746.D (-1969) (-)



#44

Trichloroethene

Concen: 48.734 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN055888.D

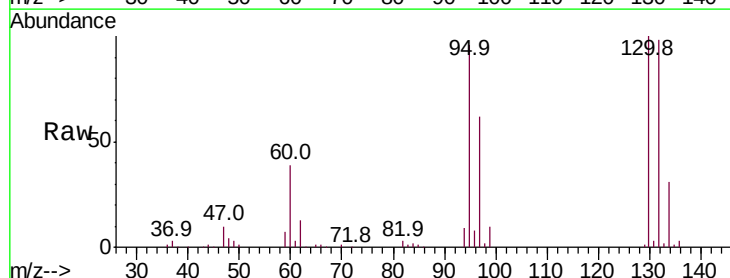
Acq: 30 May 2019 9:54

Tgt Ion: 130 Resp: 175233

Ion Ratio Lower Upper

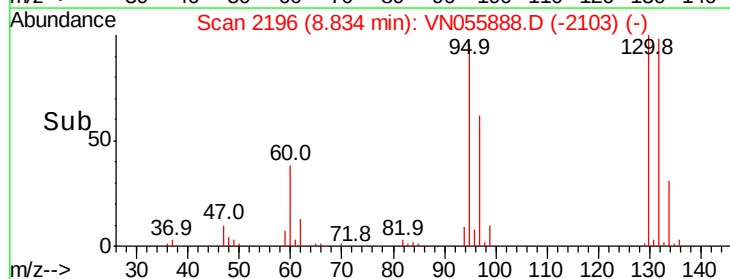
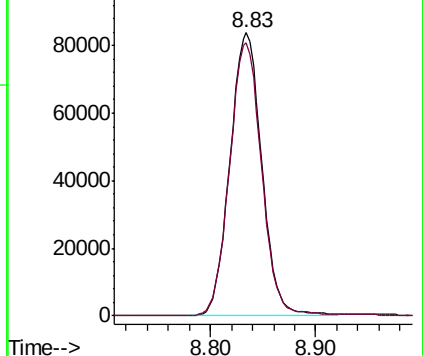
130 100

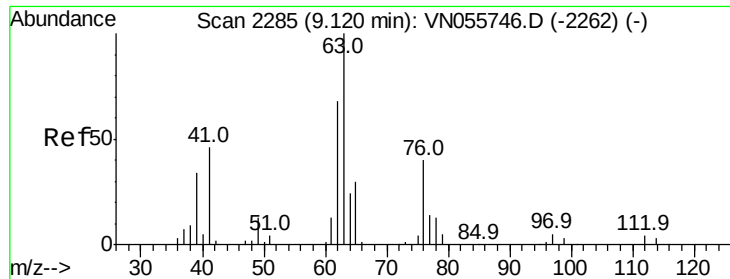
95 96.5 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): VN055746.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN055746.D (-2180) (-)

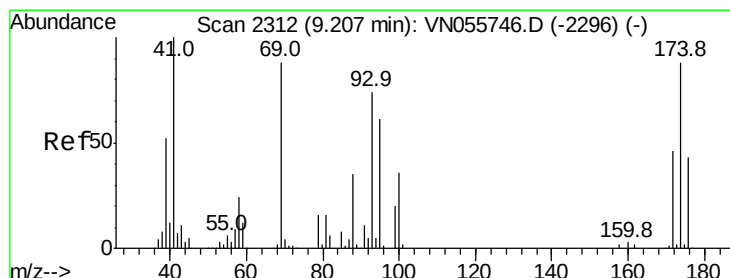
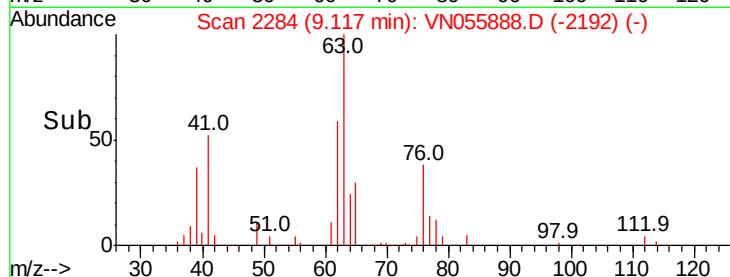
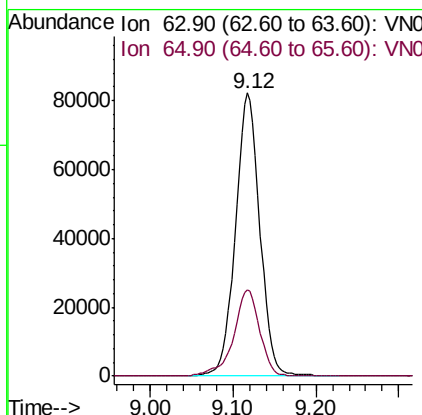
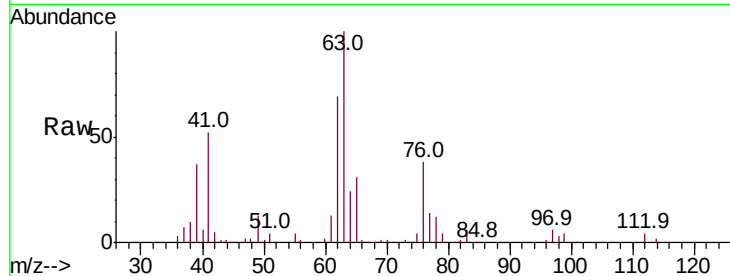




#45
 1,2-Dichloropropane
 Concen: 50.084 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN055888.D
 Acq: 30 May 2019 9:54

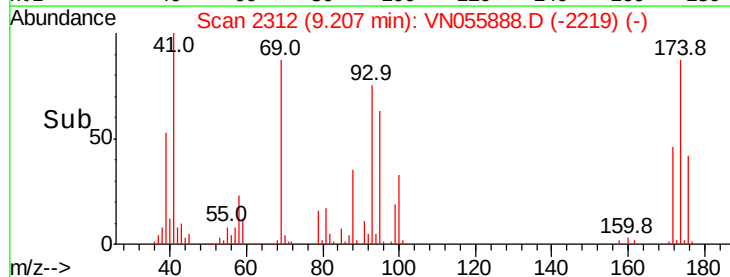
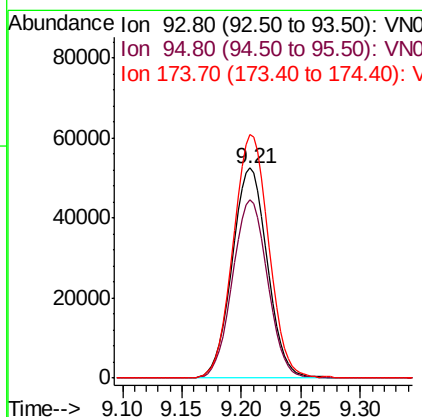
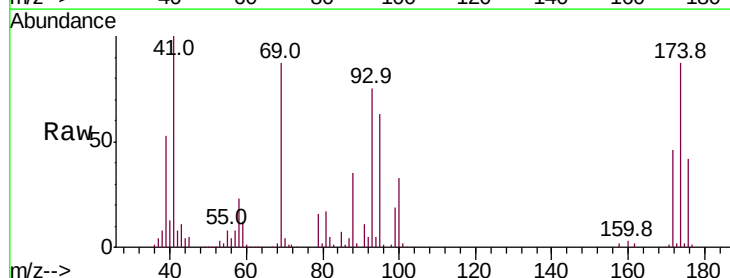
Instrument :
 MSVOA_N
 ClientSampled :

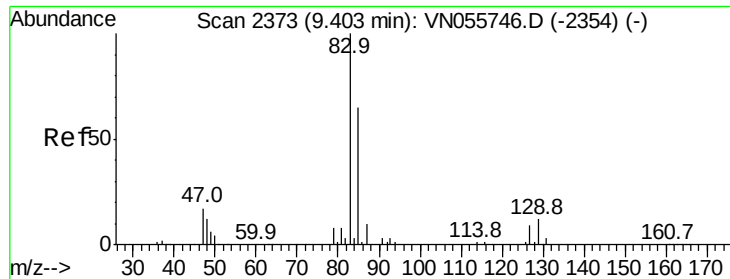
Tot Ion: 63 Resp: 168305
 Ion Ratio Lower Upper
 63 100
 65 30.6 24.6 36.8



#46
 Dibromomethane
 Concen: 48.933 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN055888.D
 Acq: 30 May 2019 9:54

Tgt Ion: 93 Resp: 107841
 Ion Ratio Lower Upper
 93 100
 95 84.7 66.7 100.1
 174 116.7 96.4 144.6





#47

Bromodichloromethane

Concen: 48.000 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN055888.D

Acq: 30 May 2019 9:54

Instrument :
MSVOA_N
ClientSampled :

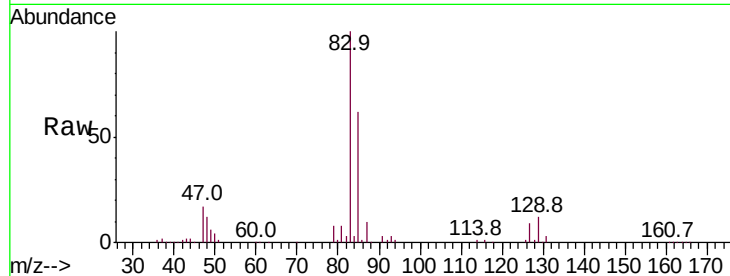
Tot Ion: 83 Resp: 216910

Ion Ratio Lower Upper

83 100

85 62.3 52.2 78.2

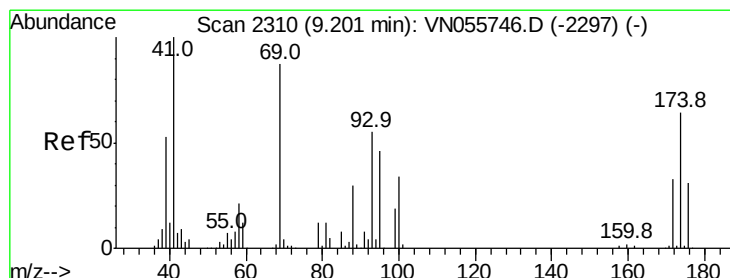
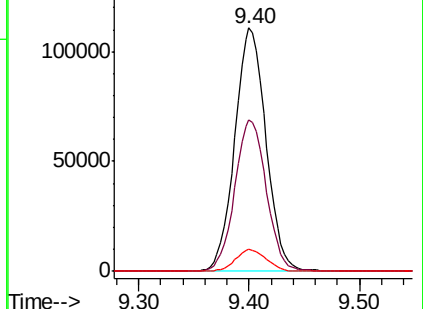
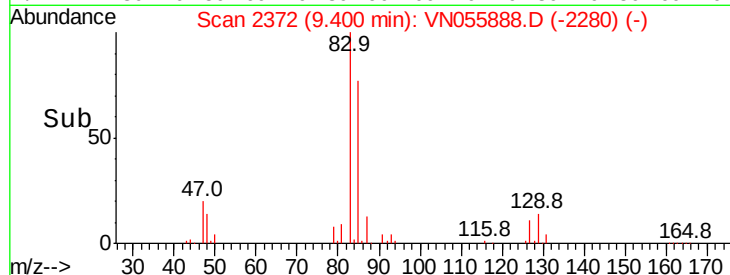
127 8.9 7.4 11.0



Abundance Ion 82.90 (82.60 to 83.60): VN055746.D (-2354) (-)

Ion 84.90 (84.60 to 85.60): VN055746.D (-2354) (-)

Ion 126.80 (126.50 to 127.50): VN055746.D (-2354) (-)



#48

Methyl methacrylate

Concen: 50.435 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN055888.D

Acq: 30 May 2019 9:54

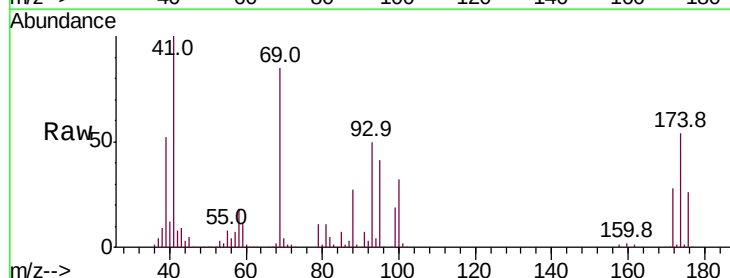
Tgt Ion: 41 Resp: 161540

Ion Ratio Lower Upper

41 100

69 87.3 71.0 106.6

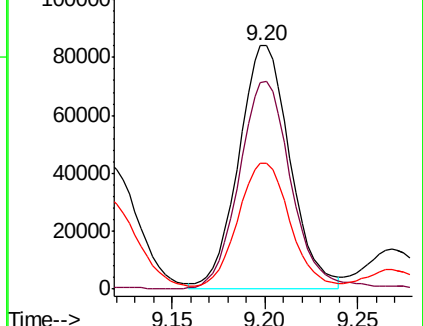
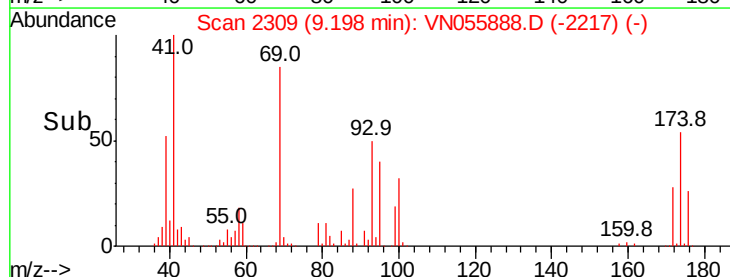
39 52.9 44.2 66.2

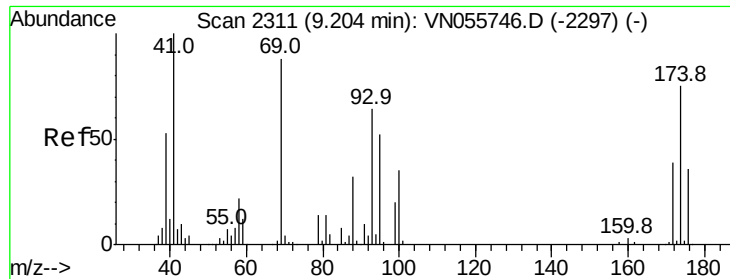


Abundance Ion 41.00 (40.70 to 41.70): VN055746.D (-2297) (-)

Ion 69.00 (68.70 to 69.70): VN055746.D (-2297) (-)

Ion 39.00 (38.70 to 39.70): VN055746.D (-2297) (-)





#49

1,4-Dioxane

Concen: 961.026 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN055888.D

Acq: 30 May 2019 9:54

Instrument :
MSVOA_N
ClientSampled :

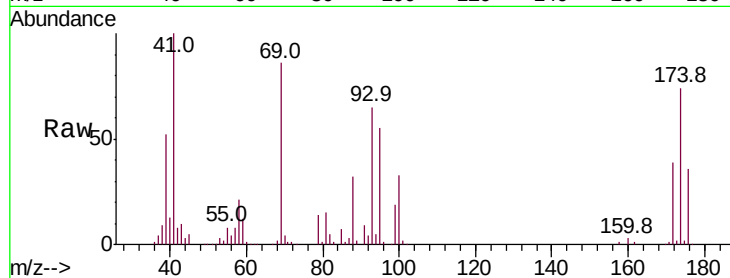
Tot Ion: 88 Resp: 63965

Ion Ratio Lower Upper

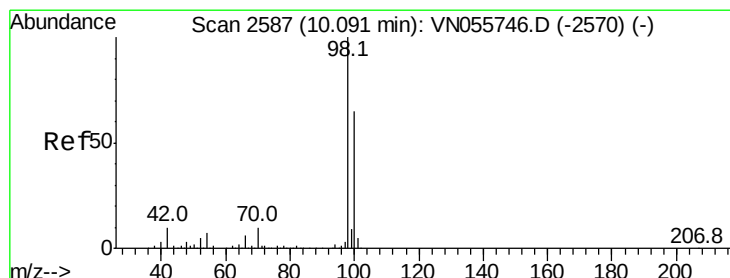
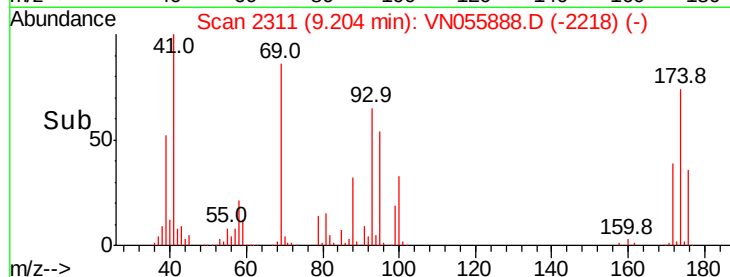
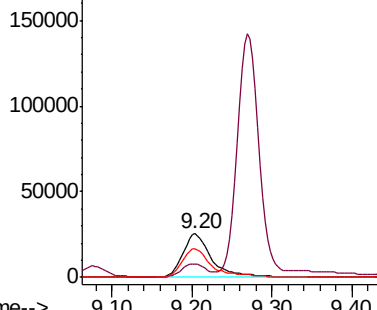
88 100

43 25.6 20.5 30.7

58 67.5 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: 48.297 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN055888.D

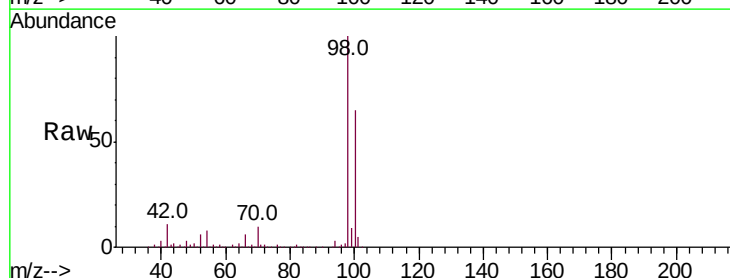
Acq: 30 May 2019 9:54

Tgt Ion: 98 Resp: 575202

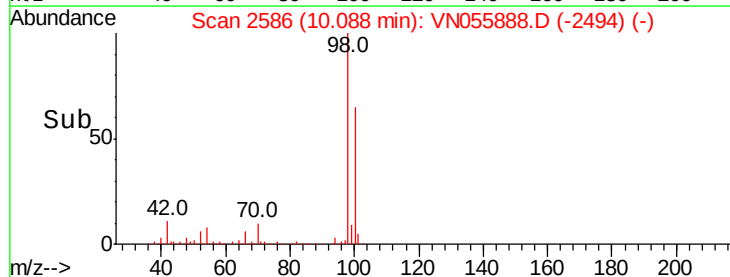
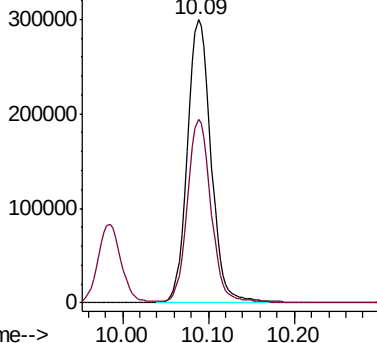
Ion Ratio Lower Upper

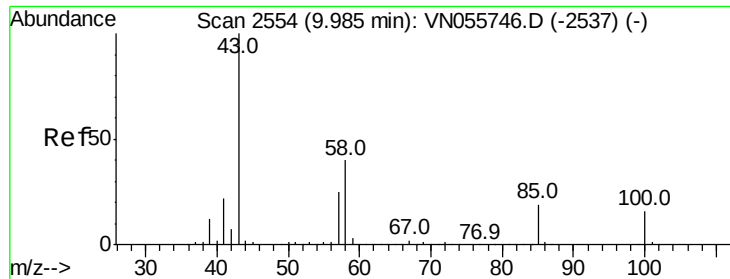
98 100

100 65.3 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: 246.850 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055888.D

Acq: 30 May 2019 9:54

Instrument :

MSVOA_N

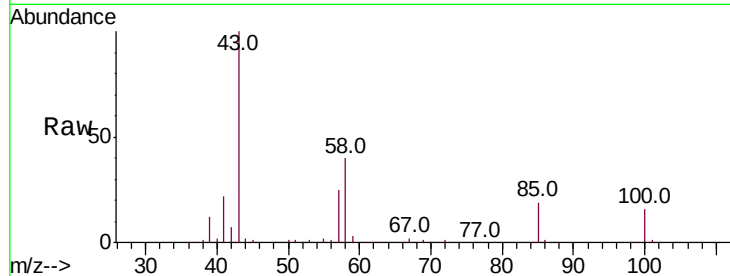
ClientSampled :

Tot Ion: 43 Resp: 1013184

Ion Ratio Lower Upper

43 100

58 40.0 32.1 48.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.99

600000

500000

400000

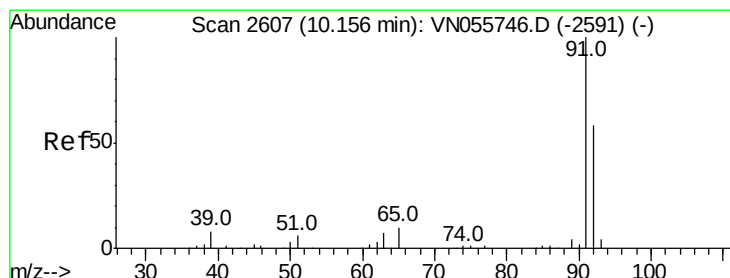
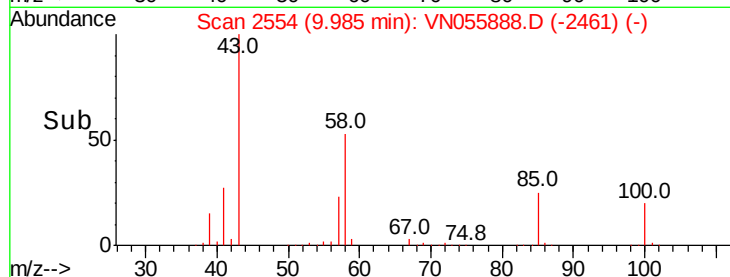
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 49.697 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN055888.D

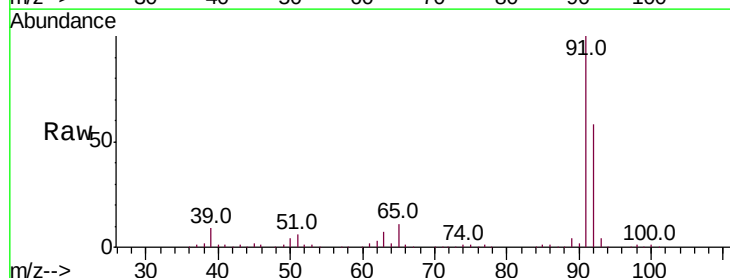
Acq: 30 May 2019 9:54

Tgt Ion: 92 Resp: 403136

Ion Ratio Lower Upper

92 100

91 173.9 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.15

400000

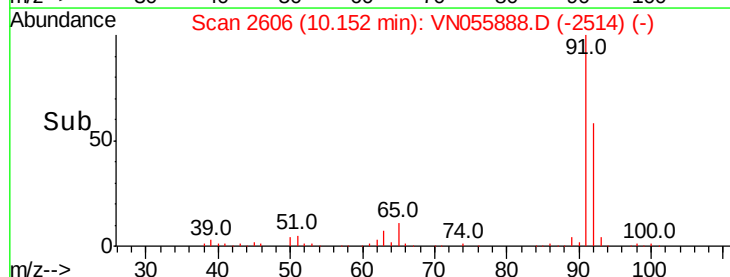
300000

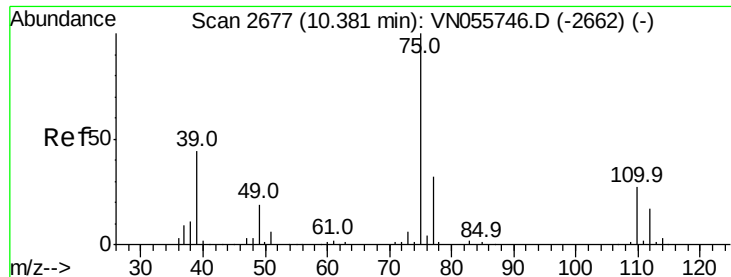
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 48.396 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN055888.D

Acq: 30 May 2019 9:54

Instrument :

MSVOA_N

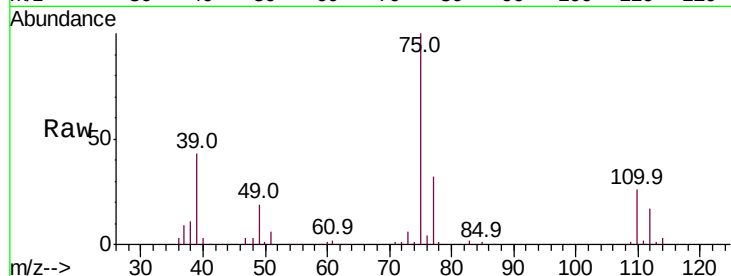
ClientSampleId :

Tot Ion: 75 Resp: 233446

Ion Ratio Lower Upper

75 100

77 31.6 25.8 38.6



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

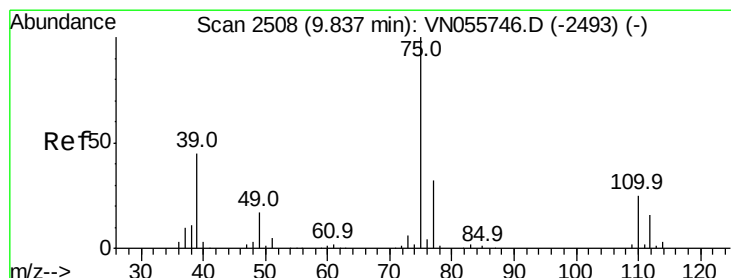
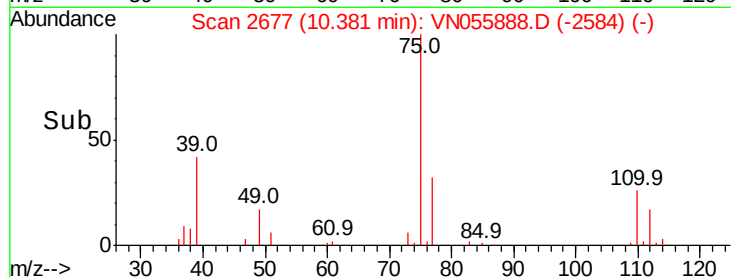
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 48.754 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. 0.00 min

Lab File: VN055888.D

Acq: 30 May 2019 9:54

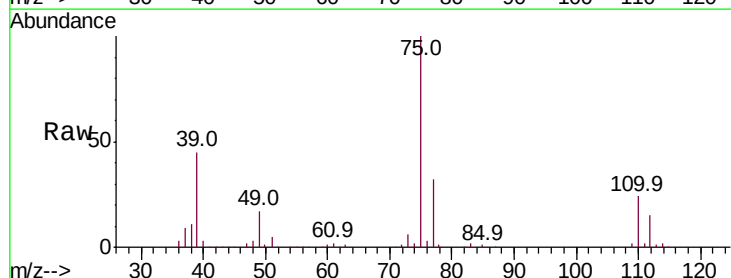
Tgt Ion: 75 Resp: 260530

Ion Ratio Lower Upper

75 100

77 32.3 25.4 38.0

39 45.4 36.3 54.5



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.84

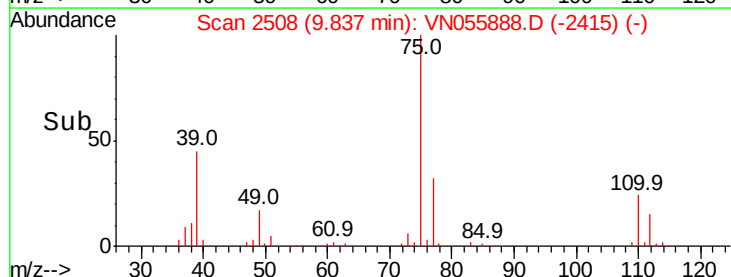
150000

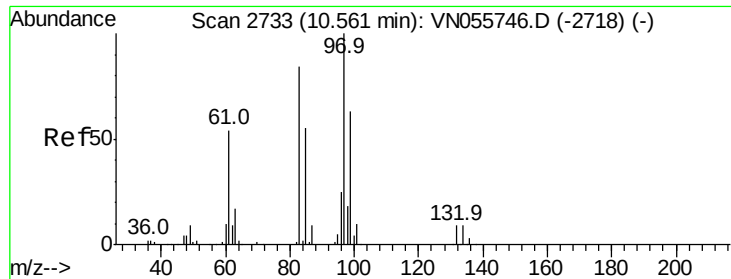
100000

50000

0

Time-->

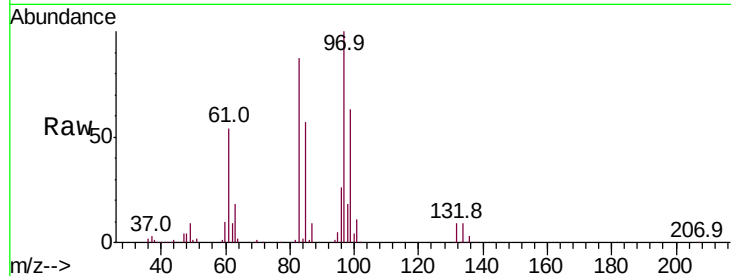




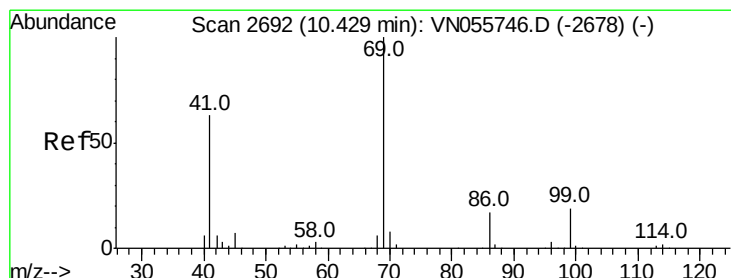
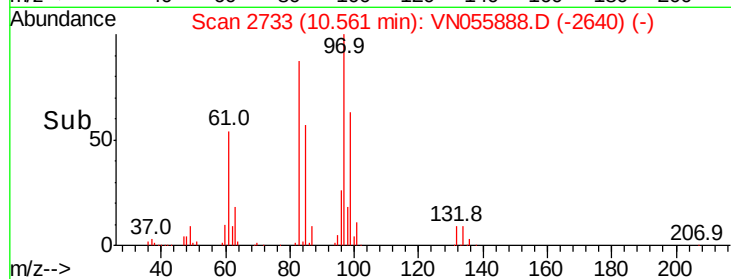
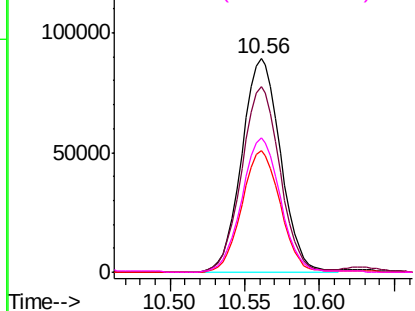
#55
 1,1,2-Trichloroethane
 Concen: 49.631 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055888.D
 Acq: 30 May 2019 9:54

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:	97	Resp:	161287
Ion	Ratio	Lower	Upper
97	100		
83	87.1	67.0	100.6
85	56.9	44.0	66.0
99	62.8	50.6	75.8

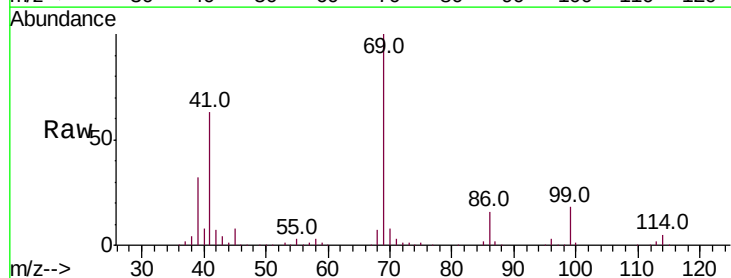


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

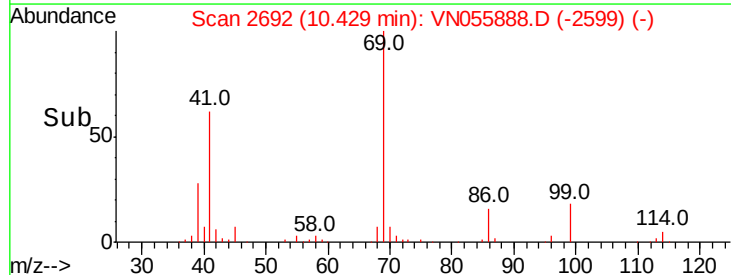
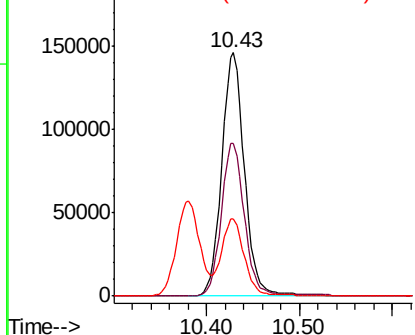


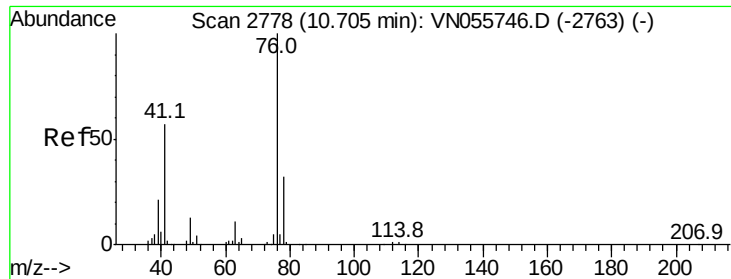
#56
 Ethyl methacrylate
 Concen: 49.727 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055888.D
 Acq: 30 May 2019 9:54

Tgt Ion:	69	Resp:	249744
Ion	Ratio	Lower	Upper
69	100		
41	62.8	49.7	74.5
39	31.0	24.7	37.1



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

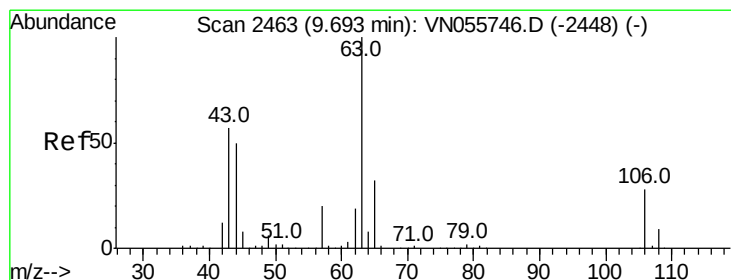
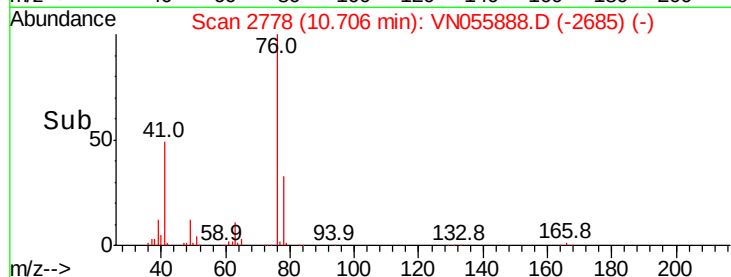
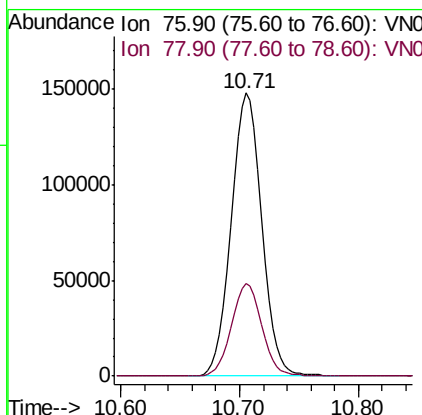
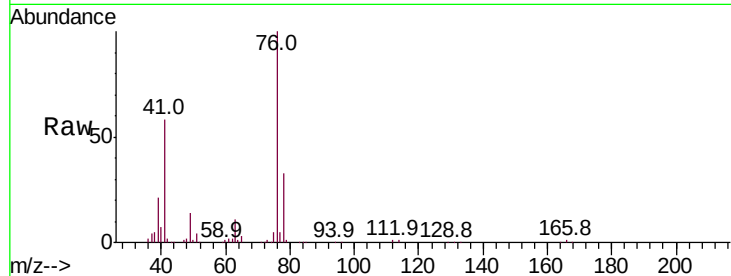




#57
 1,3-Dichloropropane
 Concen: 49.913 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN055888.D
 Acq: 30 May 2019 9:54

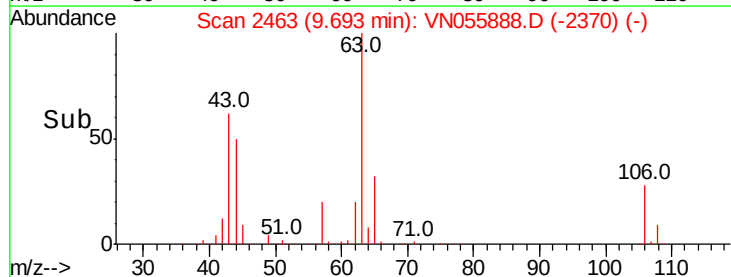
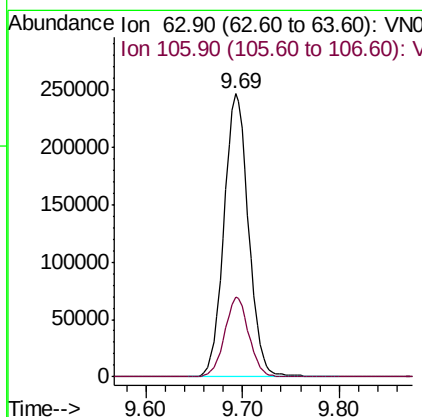
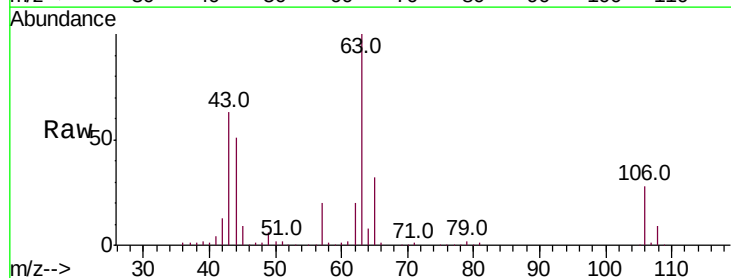
Instrument :
 MSVOA_N
 ClientSampled :

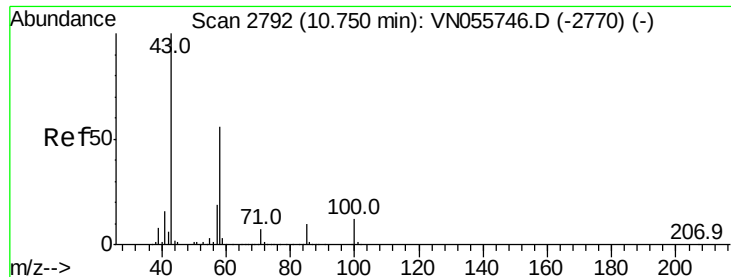
Tot Ion: 76 Resp: 263656
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 226.097 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VN055888.D
 Acq: 30 May 2019 9:54

Tgt Ion: 63 Resp: 433955
 Ion Ratio Lower Upper
 63 100
 106 27.8 22.7 34.1

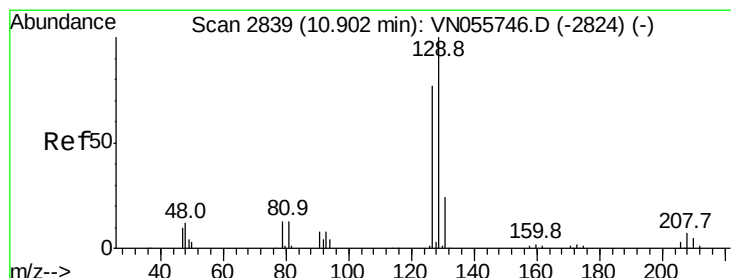
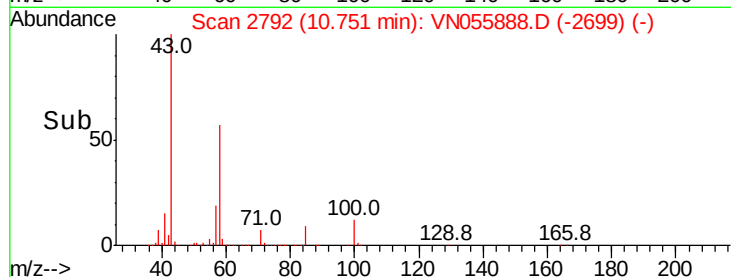
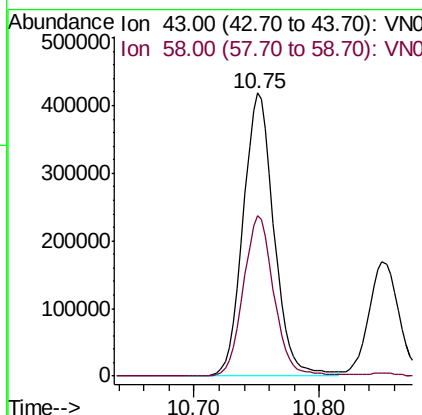
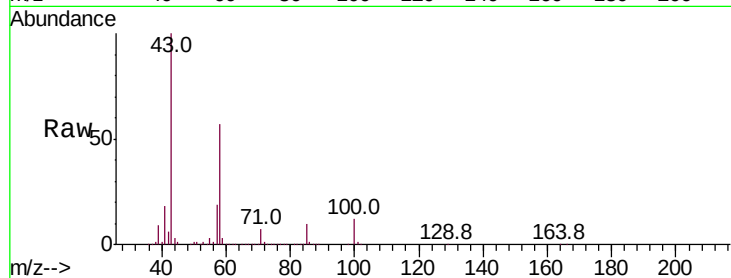




#59
2-Hexanone
Concen: 246.269 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055888.D
Acq: 30 May 2019 9:54

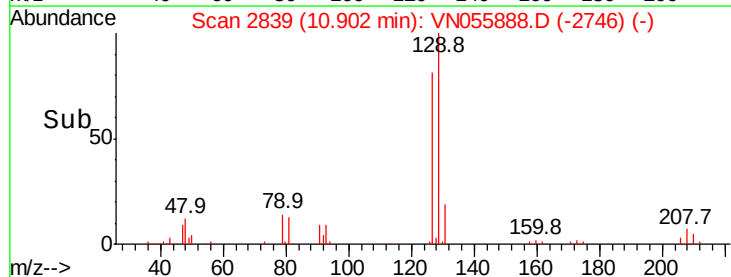
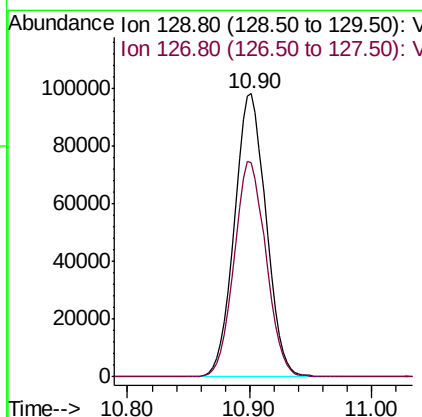
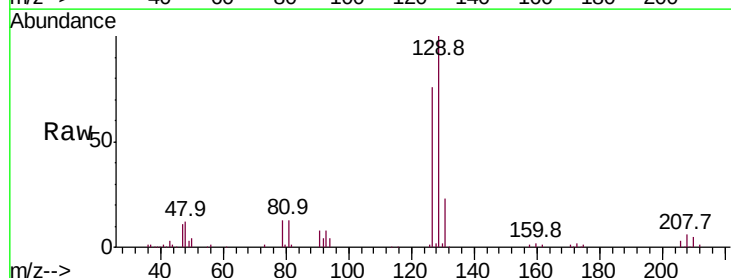
Instrument :
MSVOA_N
ClientSampled :

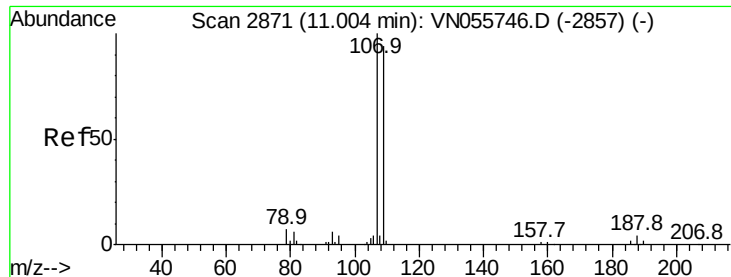
Tot Ion: 43 Resp: 717070
Ion Ratio Lower Upper
43 100
58 56.5 28.2 84.7



#60
Dibromochloromethane
Concen: 46.653 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055888.D
Acq: 30 May 2019 9:54

Tgt Ion: 129 Resp: 176614
Ion Ratio Lower Upper
129 100
127 76.6 38.1 114.3





#61

1,2-Dibromoethane

Concen: 48.835 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN055888.D

Acq: 30 May 2019 9:54

Instrument :

MSVOA_N

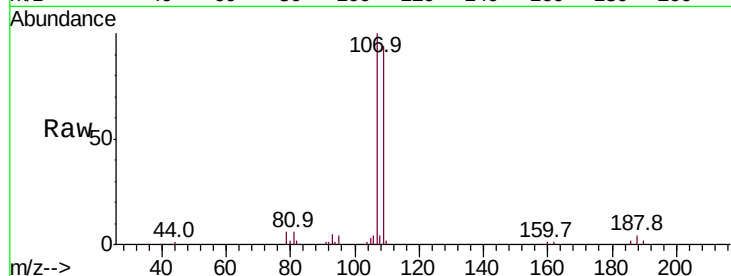
ClientSampled :

Tot Ion:107 Resp: 164610

Ion Ratio Lower Upper

107 100

109 95.0 74.8 112.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

100000

80000

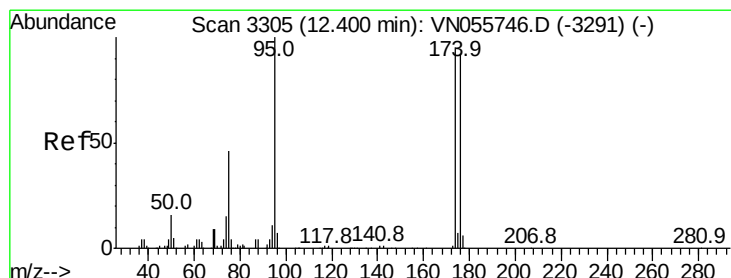
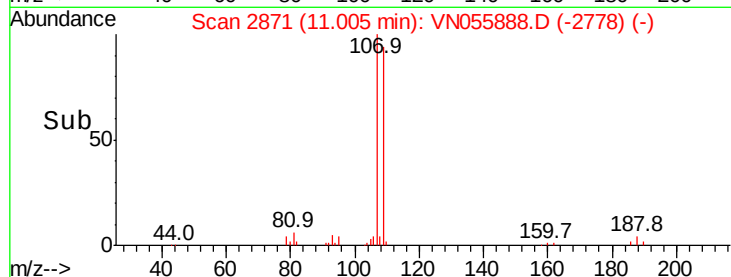
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 49.119 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055888.D

Acq: 30 May 2019 9:54

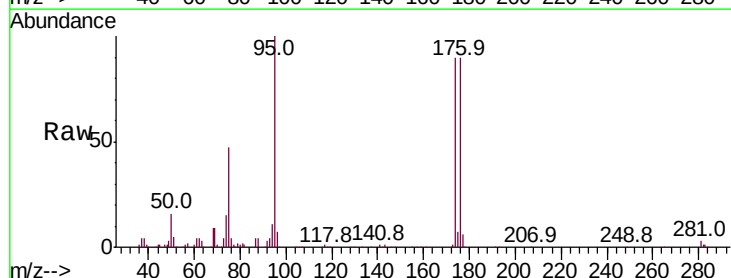
Tgt Ion: 95 Resp: 200590

Ion Ratio Lower Upper

95 100

174 90.1 0.0 191.0

176 88.2 0.0 185.2



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

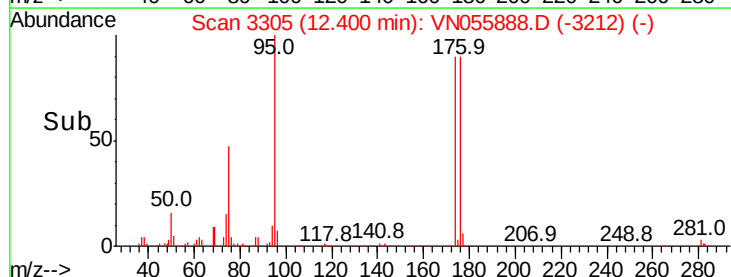
150000

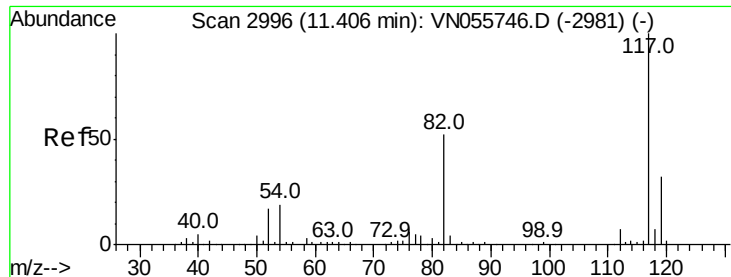
100000

50000

0

Time-->

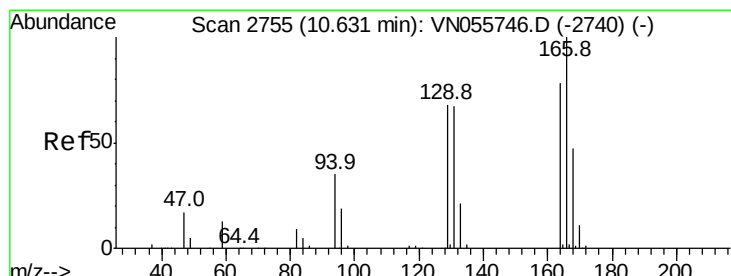
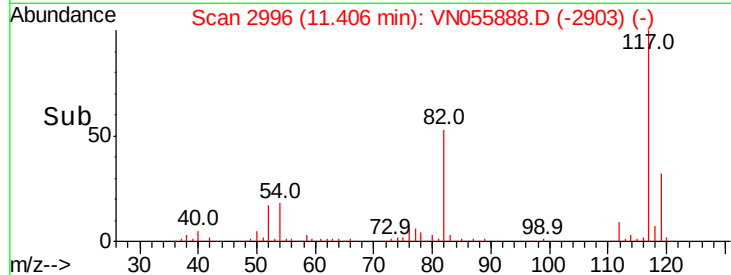
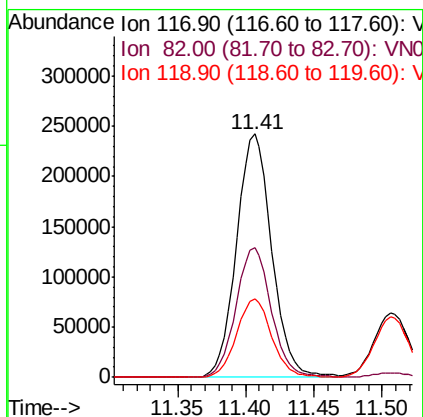
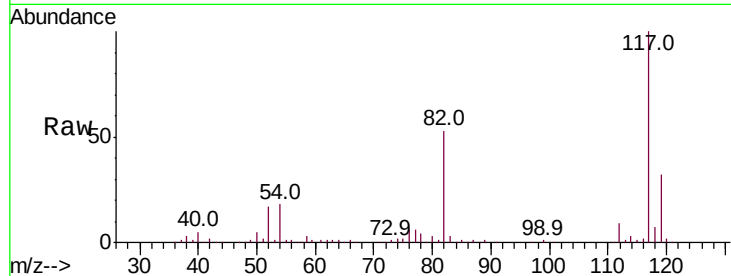




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055888.D
Acq: 30 May 2019 9:54

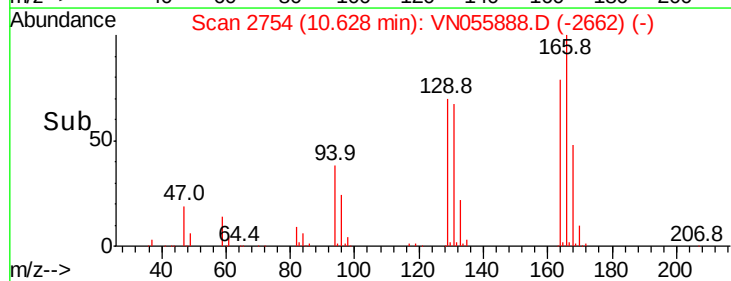
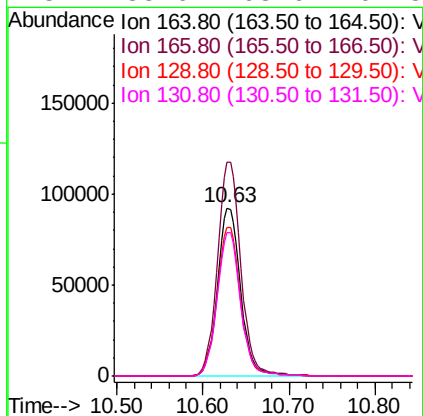
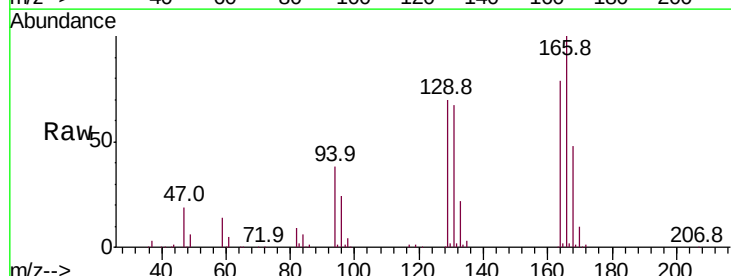
Instrument :
MSVOA_N
ClientSampleId :

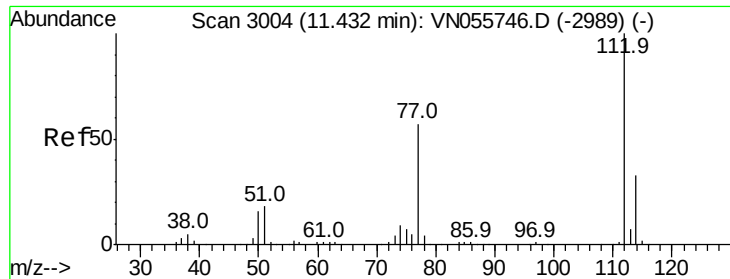
Tot Ion:117 Resp: 435115
Ion Ratio Lower Upper
117 100
82 53.0 41.8 62.8
119 32.1 25.4 38.0



#64
Tetrachloroethene
Concen: 47.116 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN055888.D
Acq: 30 May 2019 9:54

Tgt Ion:164 Resp: 172907
Ion Ratio Lower Upper
164 100
166 127.2 103.0 154.6
129 88.6 70.6 105.8
131 85.6 68.6 102.8

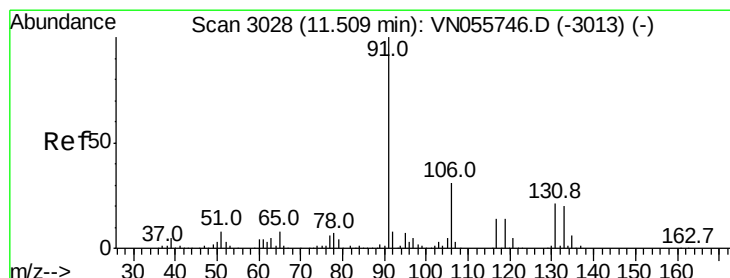
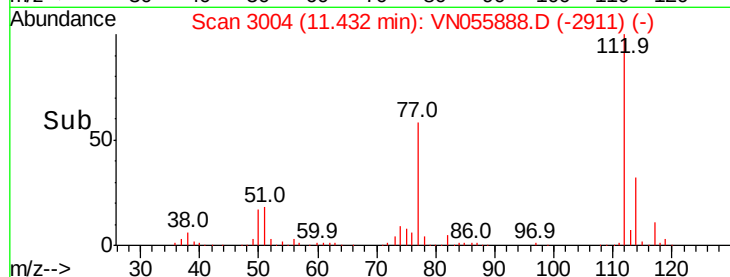
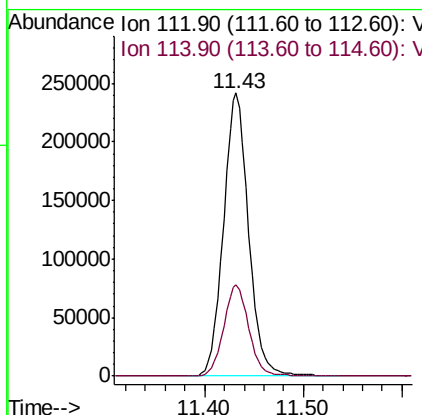
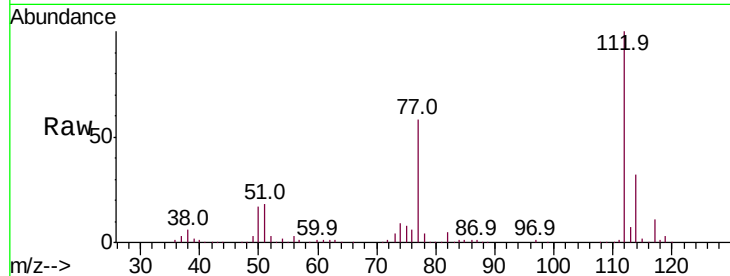




#65
Chlorobenzene
Concen: 49.438 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055888.D
Acq: 30 May 2019 9:54

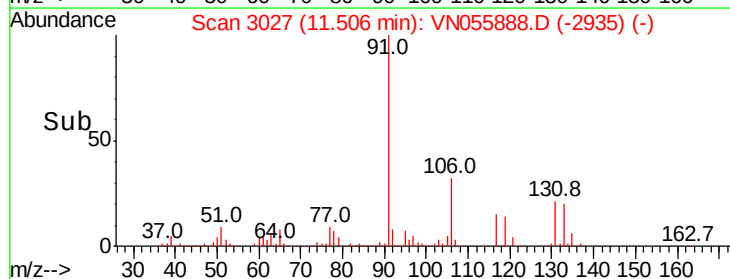
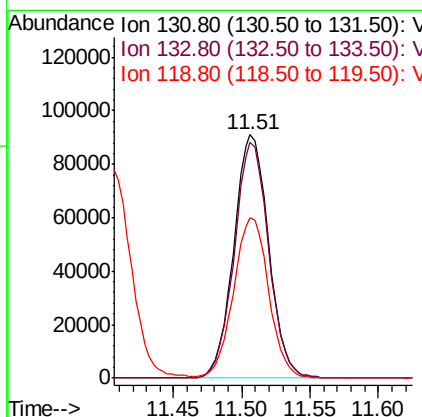
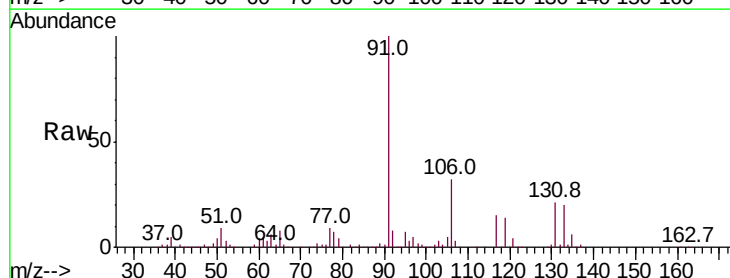
Instrument :
MSVOA_N
ClientSampled :

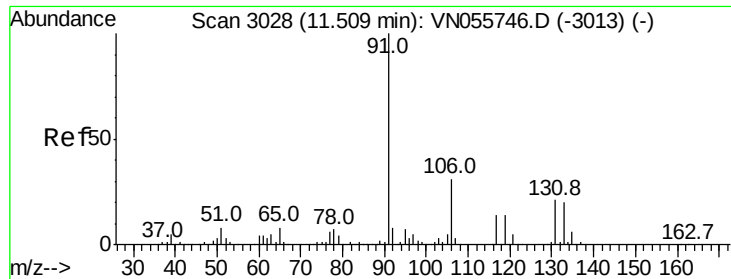
Tot Ion:112 Resp: 430630
Ion Ratio Lower Upper
112 100
114 32.1 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 46.507 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN055888.D
Acq: 30 May 2019 9:54

Tgt Ion:131 Resp: 161568
Ion Ratio Lower Upper
131 100
133 95.5 48.0 144.0
119 66.6 33.1 99.5

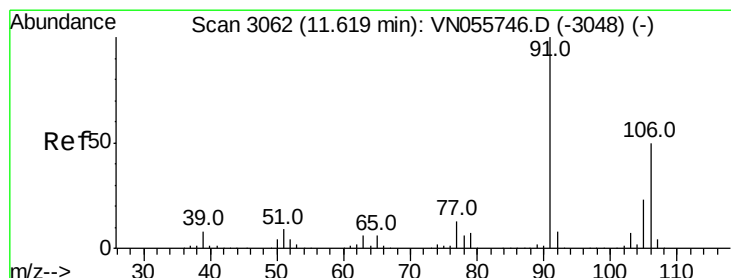
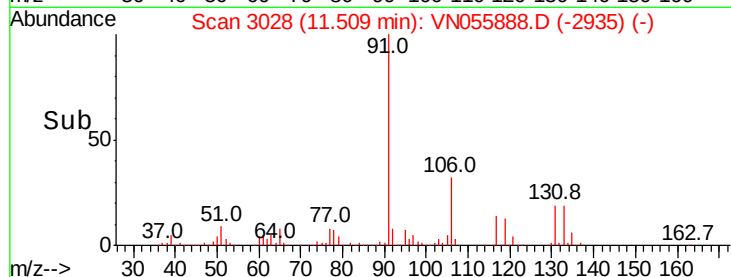
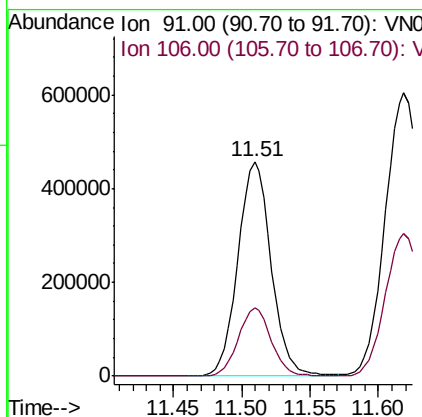
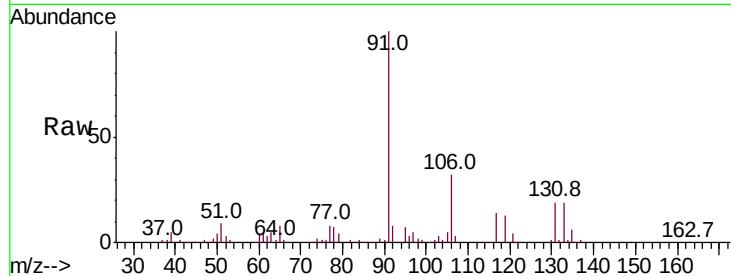




#67
Ethyl Benzene
Concen: 49.576 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055888.D
Acq: 30 May 2019 9:54

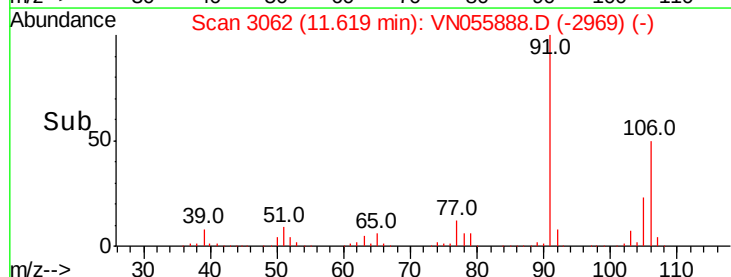
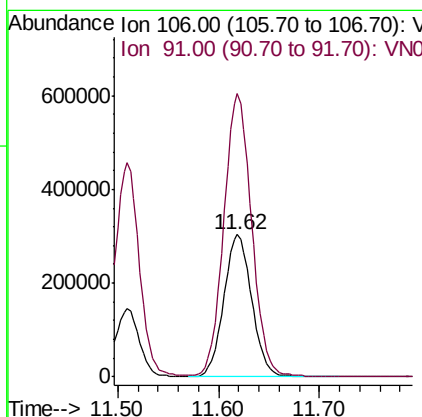
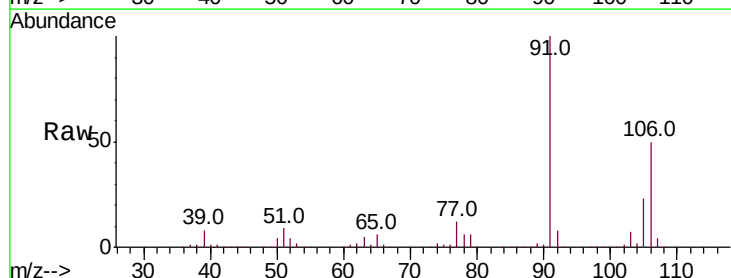
Instrument :
MSVOA_N
ClientSampleId :

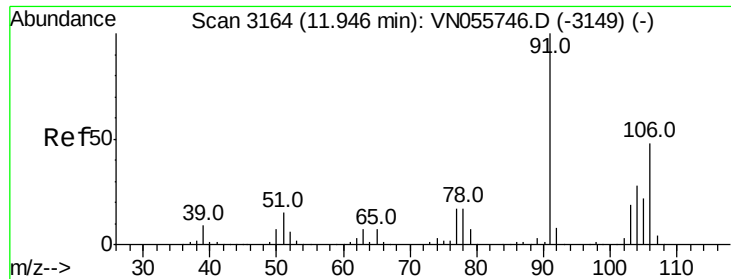
Tot Ion: 91 Resp: 774392
Ion Ratio Lower Upper
91 100
106 31.7 25.1 37.7



#68
m/p-Xylenes
Concen: 99.475 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055888.D
Acq: 30 May 2019 9:54

Tgt Ion: 106 Resp: 587427
Ion Ratio Lower Upper
106 100
91 198.9 159.3 238.9

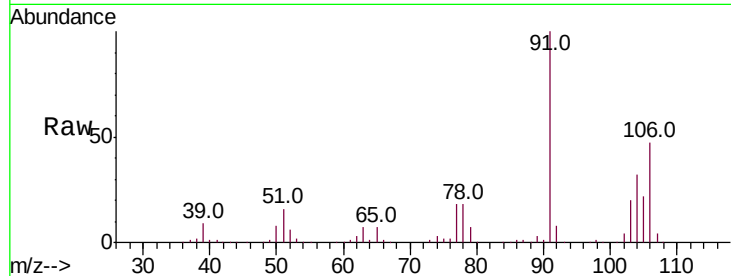




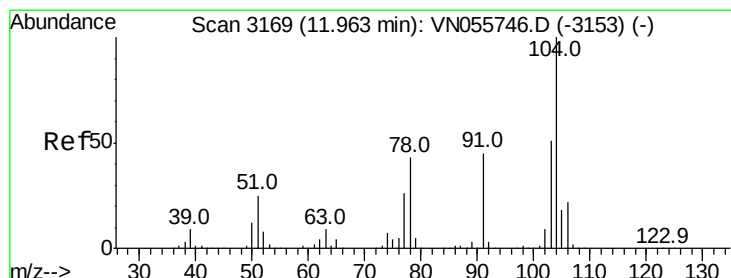
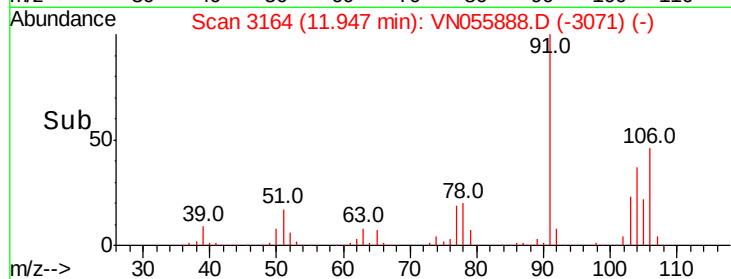
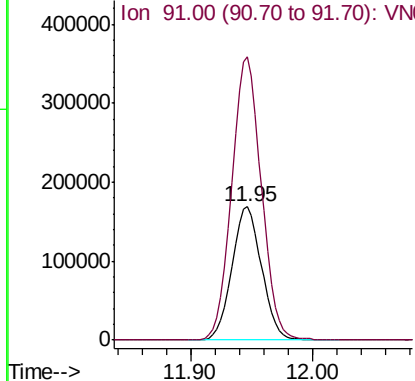
#69
o-Xylene
Concen: 48.870 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055888.D
Acq: 30 May 2019 9:54

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:106 Resp: 286322
Ion Ratio Lower Upper
106 100
91 211.2 104.7 314.1

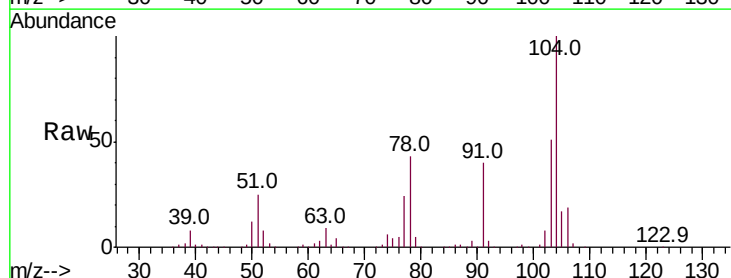


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

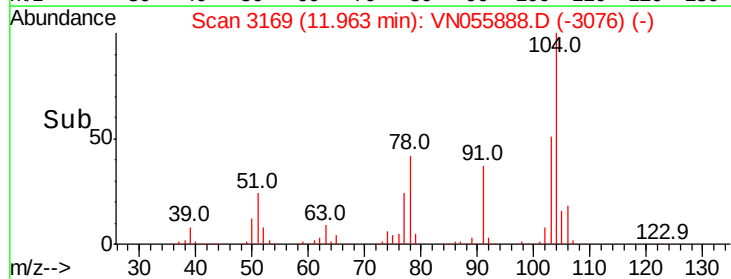
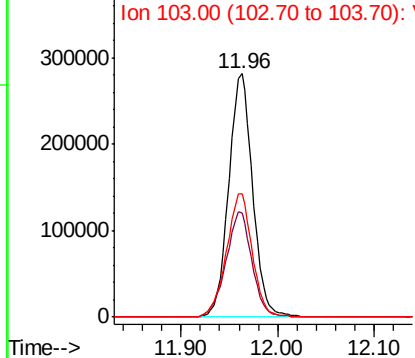


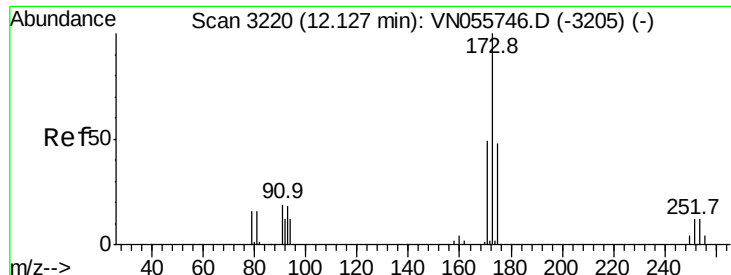
#70
Styrene
Concen: 50.897 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055888.D
Acq: 30 May 2019 9:54

Tgt Ion:104 Resp: 482902
Ion Ratio Lower Upper
104 100
78 47.0 37.8 56.6
103 54.7 44.2 66.2



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

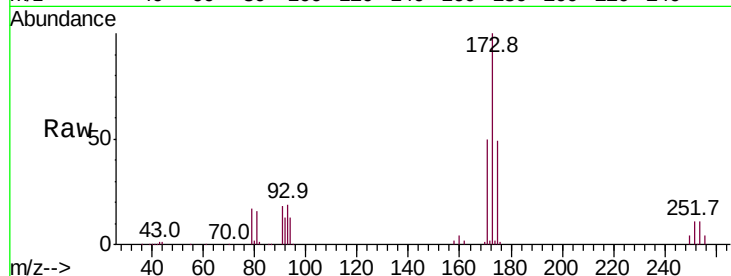




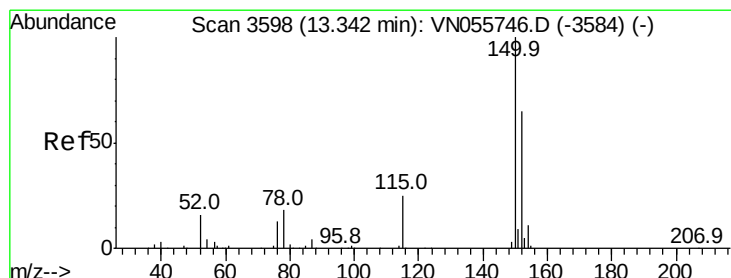
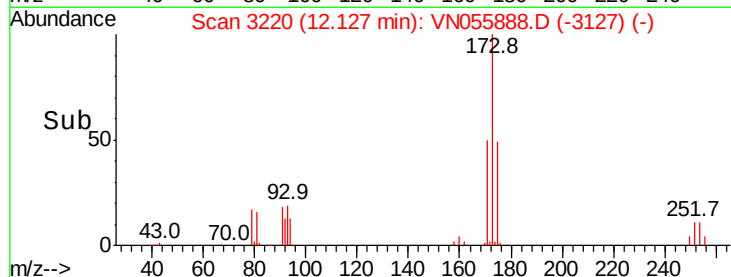
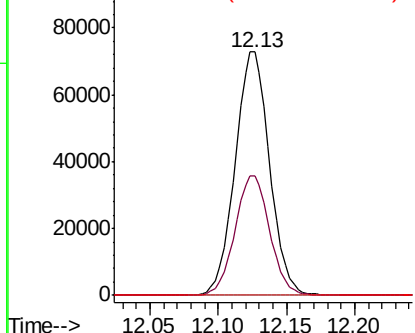
#71
Bromoform
Concen: 43.051 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055888.D
Acq: 30 May 2019 9:54

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:173 Resp: 127570
Ion Ratio Lower Upper
173 100
175 49.4 24.3 72.8
254 0.0 0.0 0.0

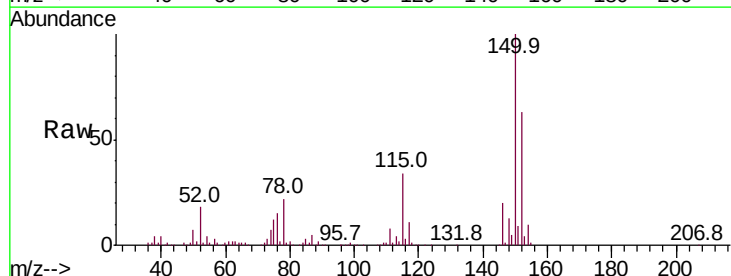


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

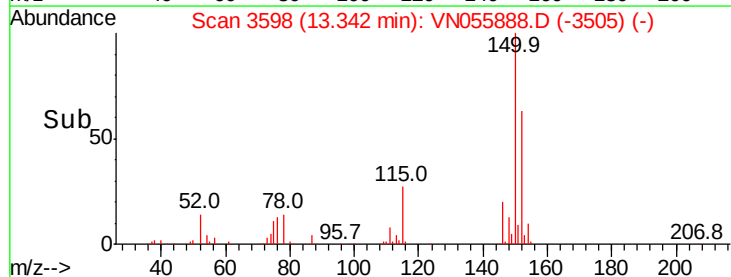
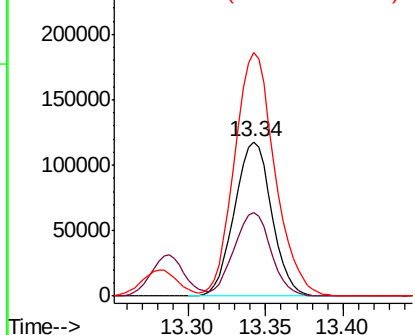


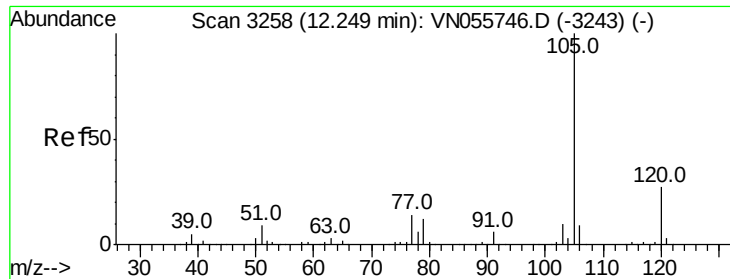
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055888.D
Acq: 30 May 2019 9:54

Tgt Ion:152 Resp: 196872
Ion Ratio Lower Upper
152 100
115 53.7 27.0 81.0
150 171.7 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: 54.956 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN055888.D

Acq: 30 May 2019 9:54

Instrument :

MSVOA_N

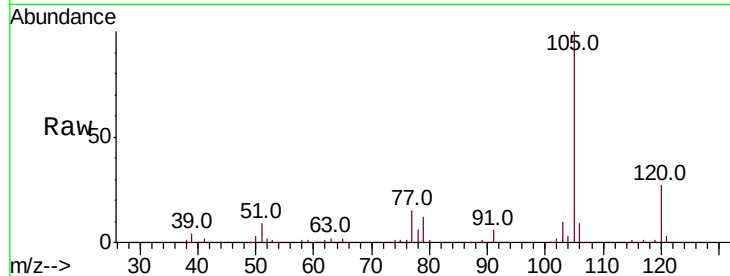
ClientSampled :

Tot Ion:105 Resp: 765912

Ion Ratio Lower Upper

105 100

120 26.8 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

500000

400000

300000

200000

100000

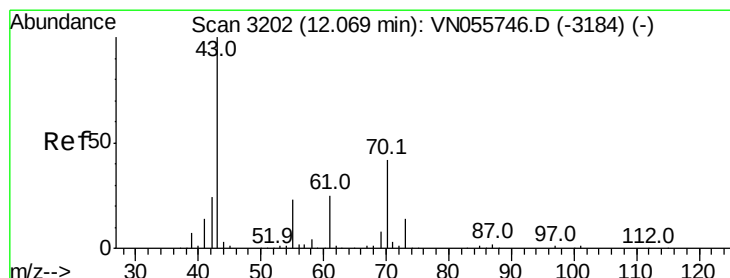
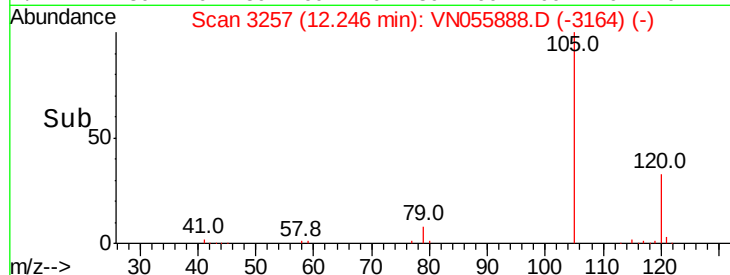
0

12.25

12.20

12.30

Time-->



#74

N-amyl acetate

Concen: 51.258 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN055888.D

Acq: 30 May 2019 9:54

Tgt Ion: 43 Resp: 272957

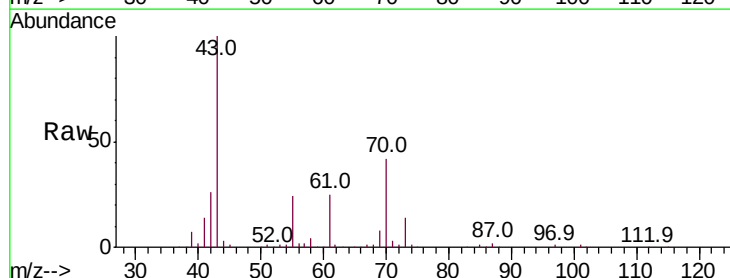
Ion Ratio Lower Upper

43 100

70 43.0 34.0 51.0

55 24.3 18.6 28.0

61 25.0 20.0 30.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

250000

200000

150000

100000

50000

0

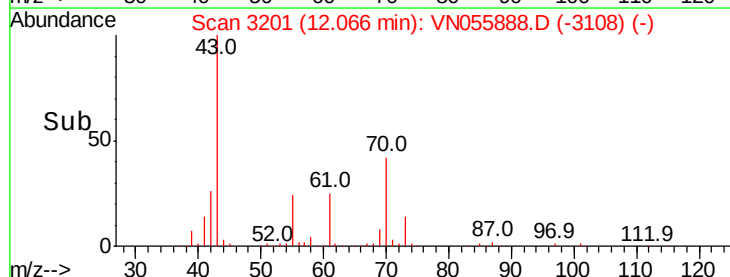
12.07

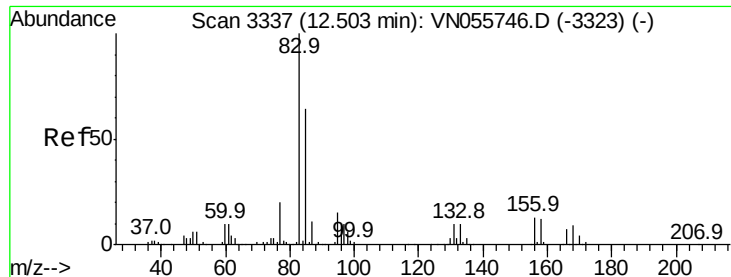
12.00

12.10

12.20

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 53.128 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055888.D

Acq: 30 May 2019 9:54

Instrument :

MSVOA_N

ClientSampleId :

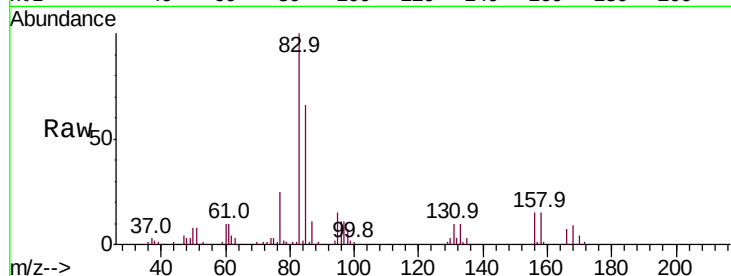
Tot Ion: 83 Resp: 219497

Ion	Ratio	Lower	Upper
83	100		
131	10.7	5.4	16.2
85	65.5	32.4	97.0

83 100

131 10.7 5.4 16.2

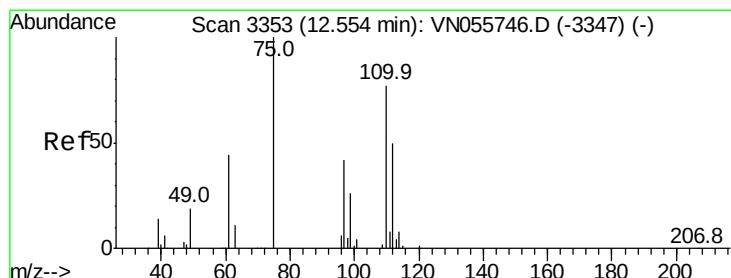
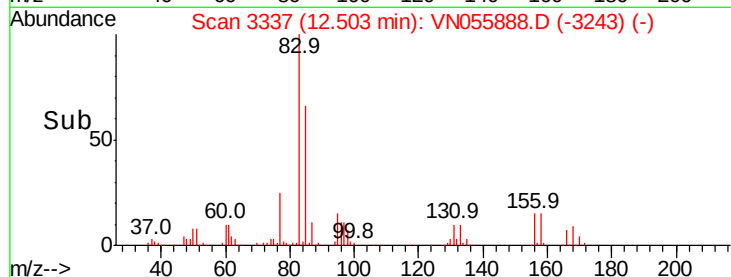
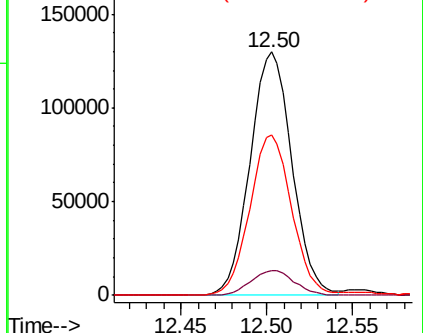
85 65.5 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 81.231 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055888.D

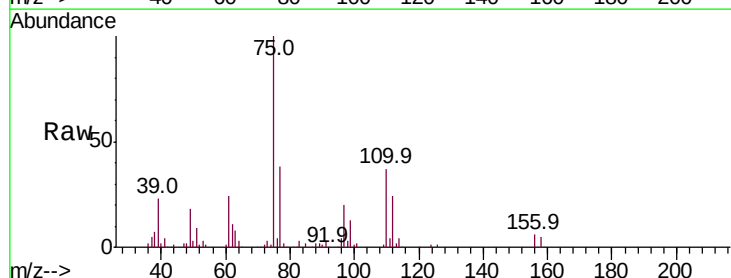
Acq: 30 May 2019 9:54

Tgt Ion: 75 Resp: 268699

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

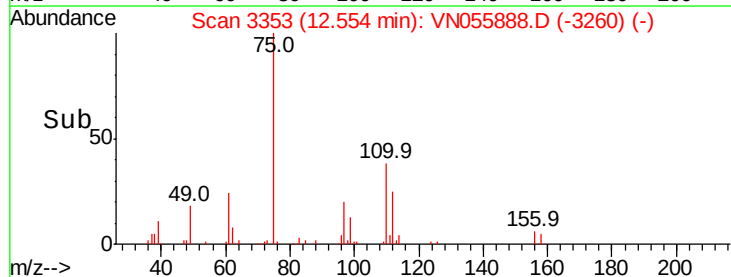
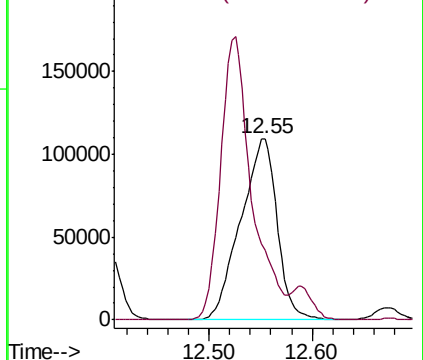
75 100

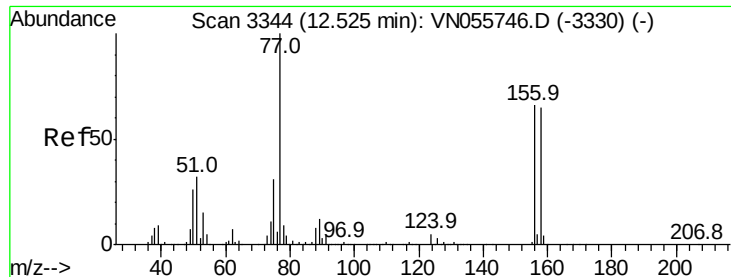
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 46.922 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055888.D

Acq: 30 May 2019 9:54

Instrument :

MSVOA_N

ClientSampled :

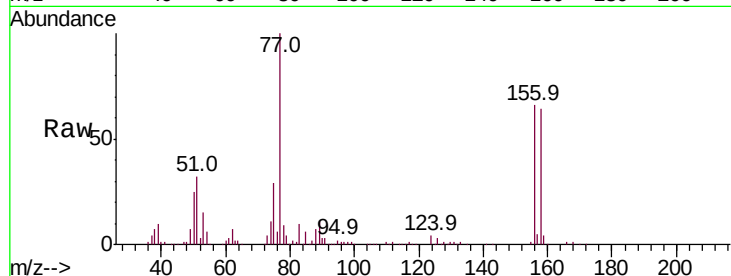
Tot Ion:156 Resp: 197122

Ion Ratio Lower Upper

156 100

77 183.6 90.8 272.5

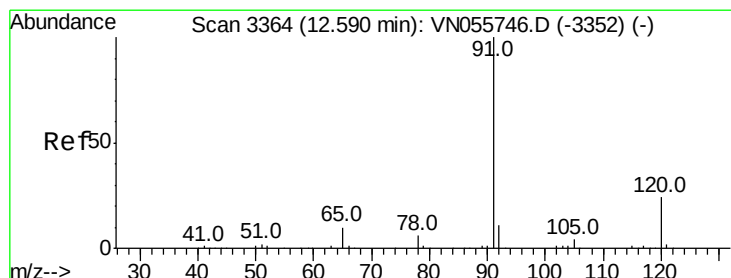
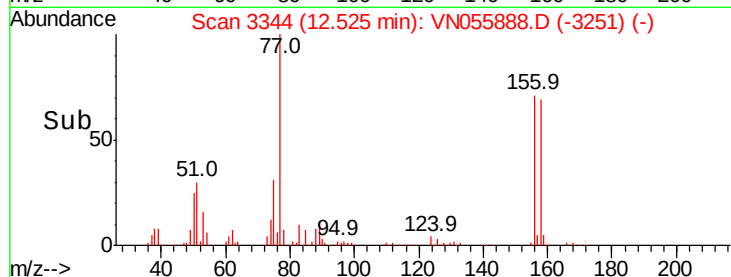
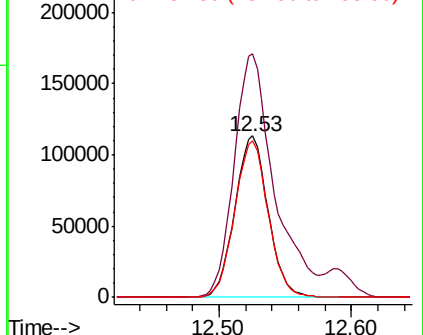
158 97.6 49.3 147.8



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: 48.808 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055888.D

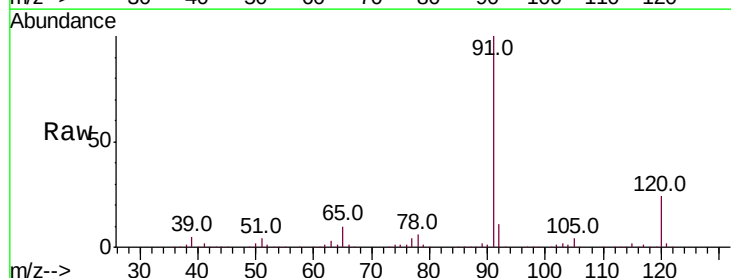
Acq: 30 May 2019 9:54

Tgt Ion: 91 Resp: 835142

Ion Ratio Lower Upper

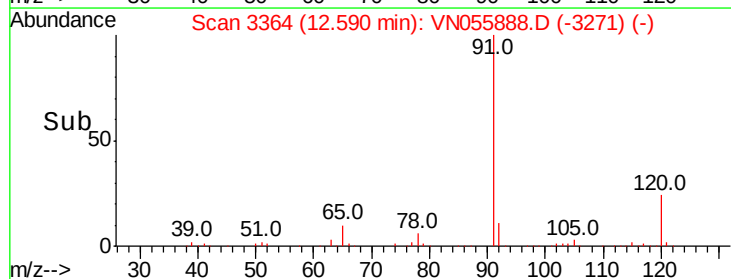
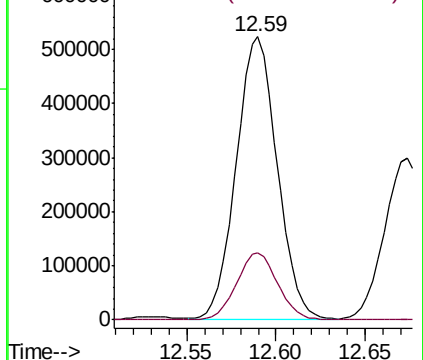
91 100

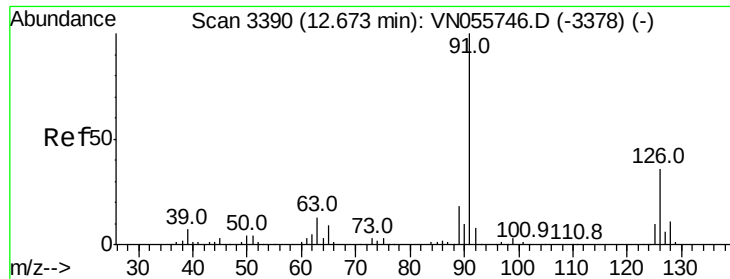
120 23.9 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 54.671 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055888.D

Acq: 30 May 2019 9:54

Instrument :

MSVOA_N

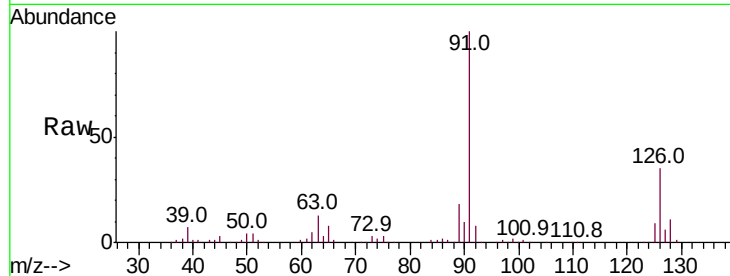
ClientSampleId :

Tot Ion: 91 Resp: 501691

Ion Ratio Lower Upper

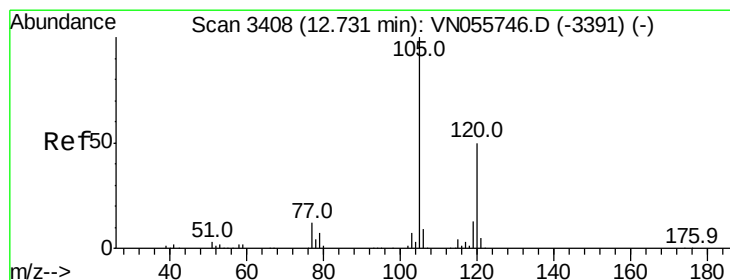
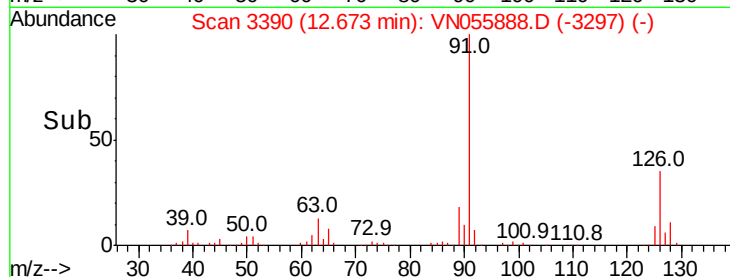
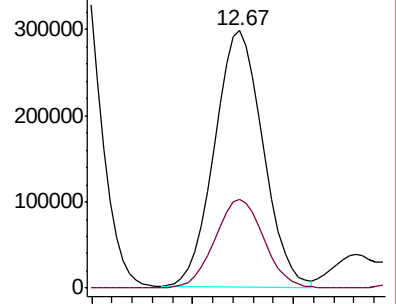
91 100

126 35.1 18.1 54.4



Abundance Ion 91.00 (90.70 to 91.70): VN055746.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN055746.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 53.665 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055888.D

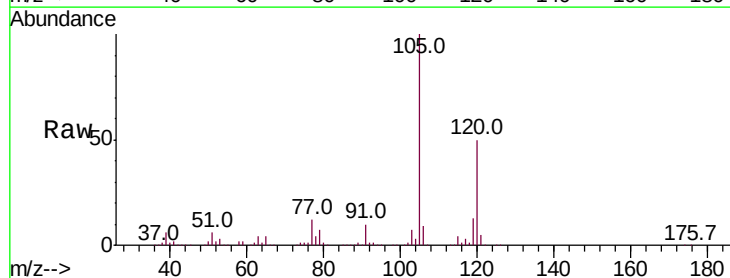
Acq: 30 May 2019 9:54

Tgt Ion:105 Resp: 630384

Ion Ratio Lower Upper

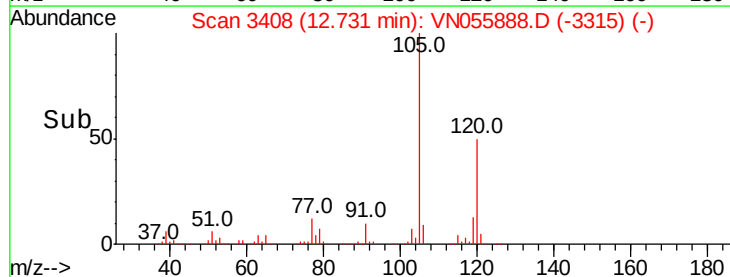
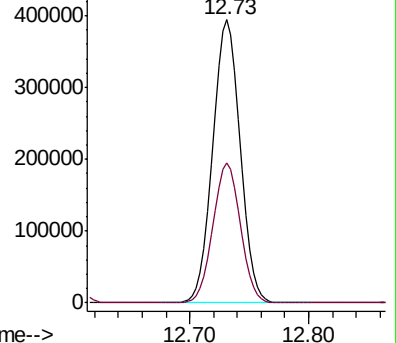
105 100

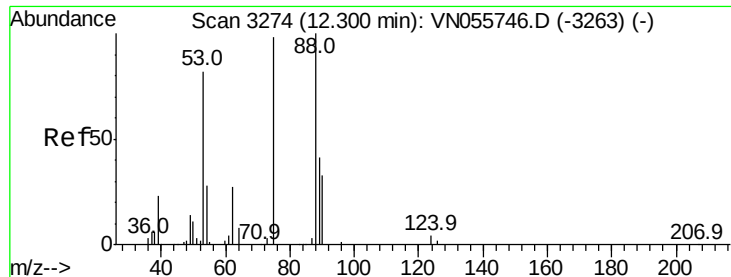
120 49.6 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): VN055746.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN055746.D (-3391) (-)

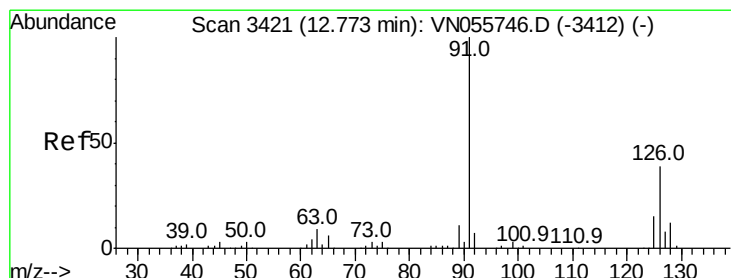
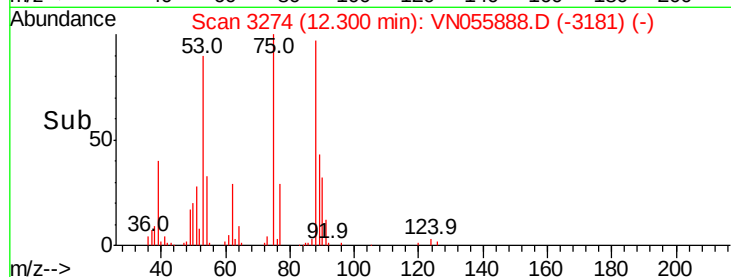
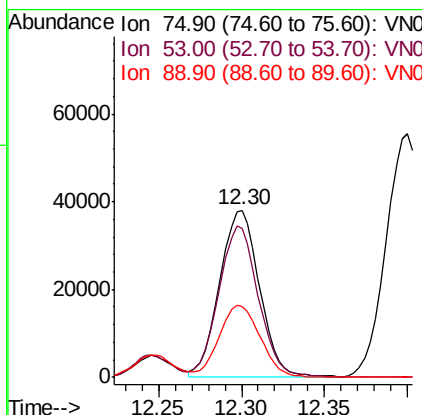
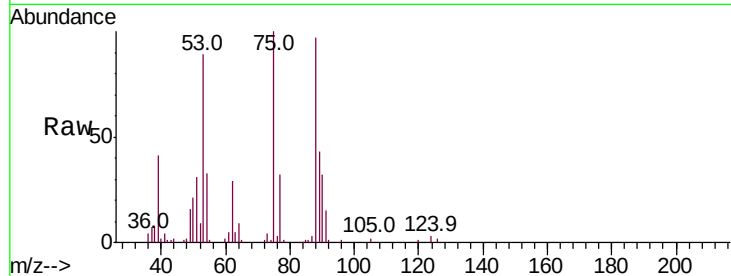




#81
trans-1,4-Dichloro-2-butene
Concen: 43.599 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN055888.D
Acq: 30 May 2019 9:54

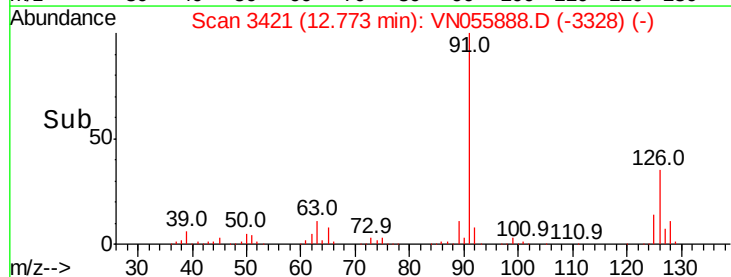
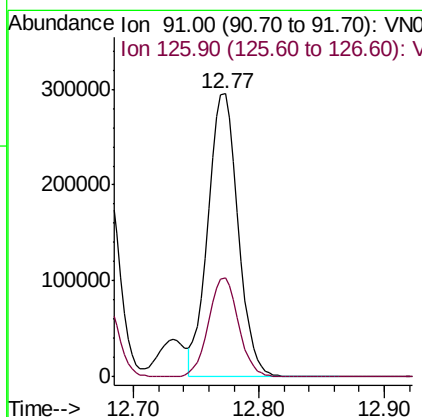
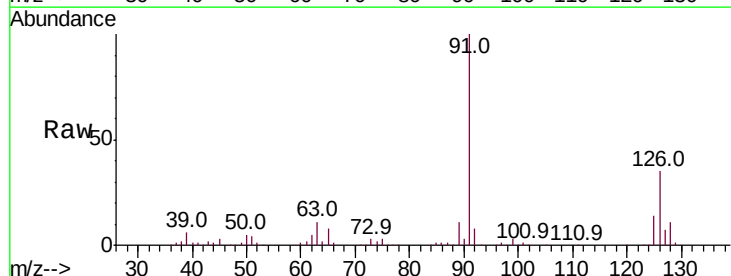
Instrument :
MSVOA_N
ClientSampleId :

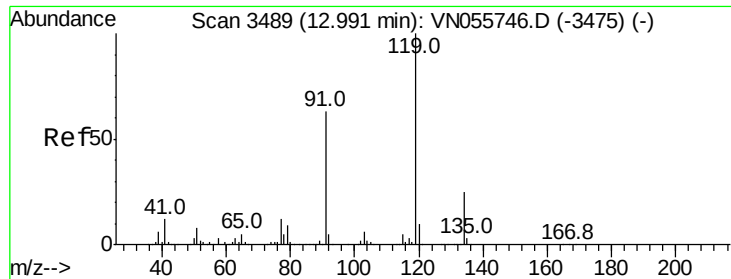
Tot Ion: 75 Resp: 63794
Ion Ratio Lower Upper
75 100
53 90.4 68.1 102.1
89 44.7 36.9 55.3



#82
4-Chlorotoluene
Concen: 48.904 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN055888.D
Acq: 30 May 2019 9:54

Tgt Ion: 91 Resp: 491884
Ion Ratio Lower Upper
91 100
126 34.9 17.8 53.3

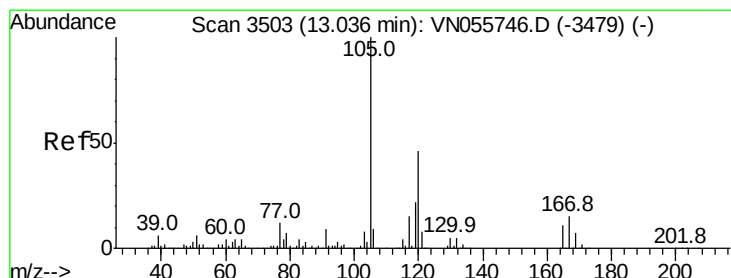
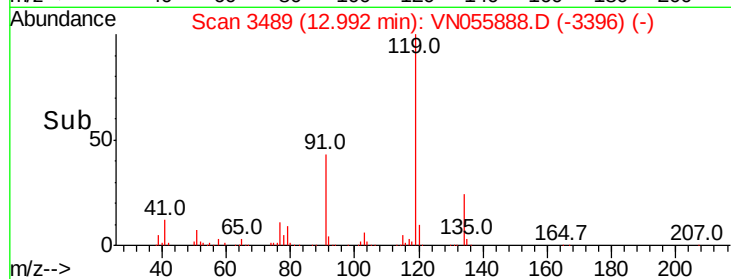
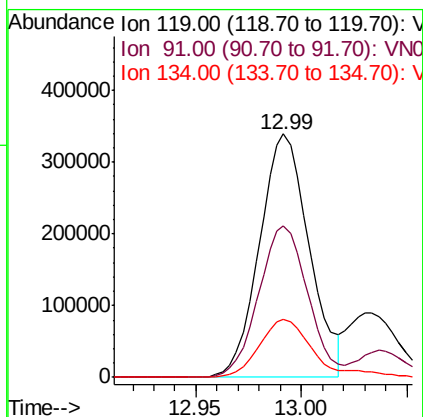
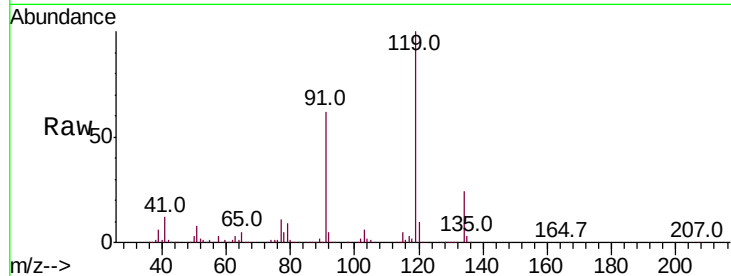




#83
 tert-Butylbenzene
 Concen: 54.956 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN055888.D
 Acq: 30 May 2019 9:54

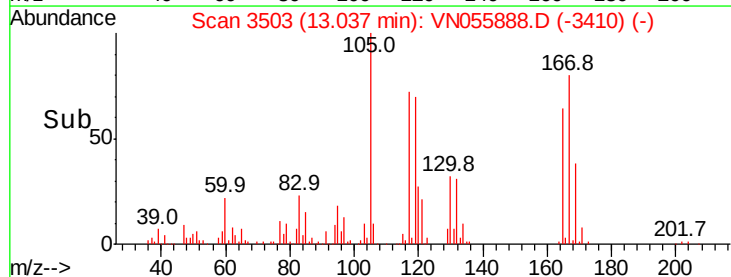
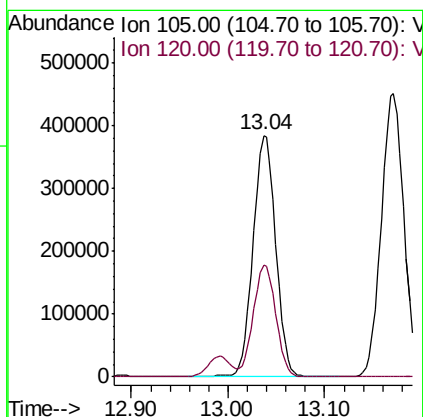
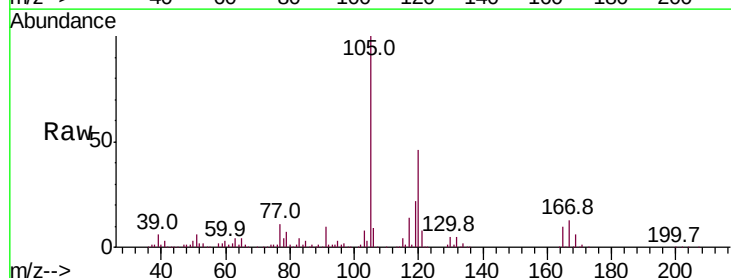
Instrument :
 MSVOA_N
 ClientSampleId :

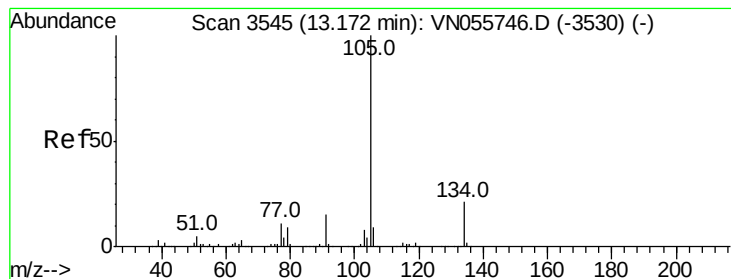
Tot Ion:119 Resp: 556905
 Ion Ratio Lower Upper
 119 100
 91 61.7 30.9 92.8
 134 26.0 13.3 39.8



#84
 1,2,4-Trimethylbenzene
 Concen: 53.326 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN055888.D
 Acq: 30 May 2019 9:54

Tgt Ion:105 Resp: 625730
 Ion Ratio Lower Upper
 105 100
 120 46.2 23.0 69.0





#85

sec-Butylbenzene

Concen: 55.391 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055888.D

Acq: 30 May 2019 9:54

Instrument :

MSVOA_N

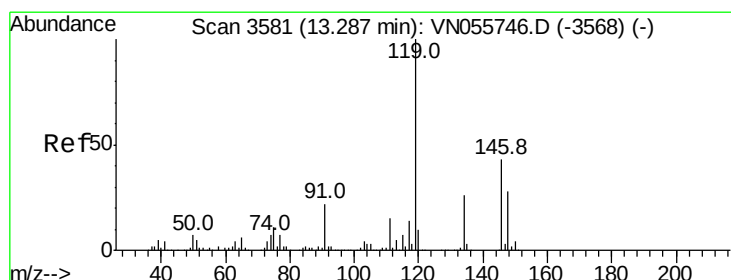
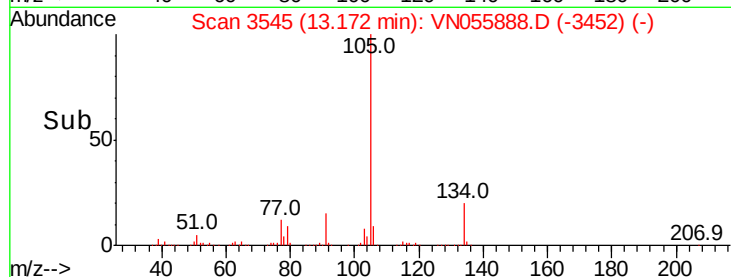
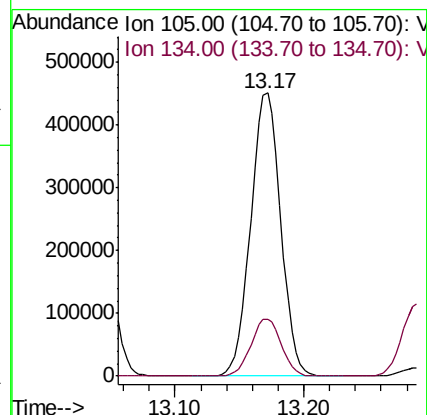
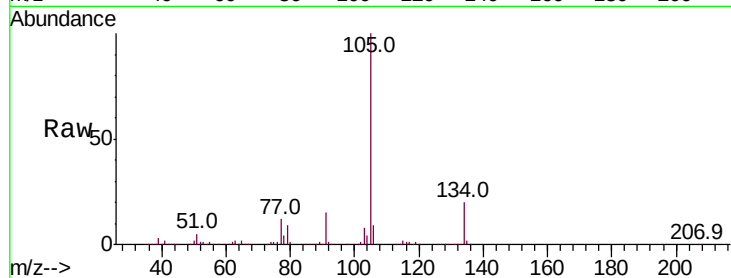
ClientSampled :

Tot Ion:105 Resp: 730723

Ion Ratio Lower Upper

105 100

134 20.3 10.4 31.2



#86

p-Isopropyltoluene

Concen: 48.682 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055888.D

Acq: 30 May 2019 9:54

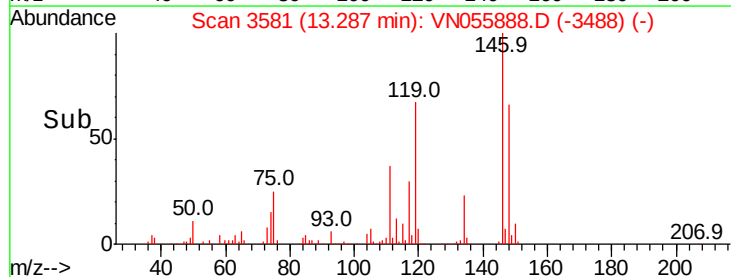
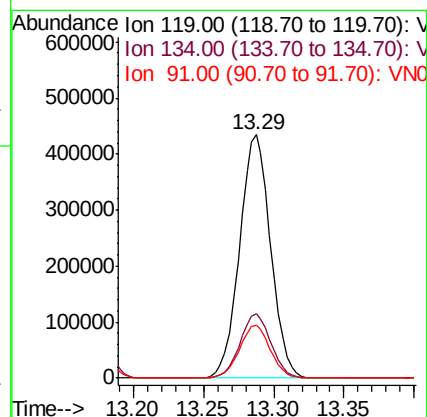
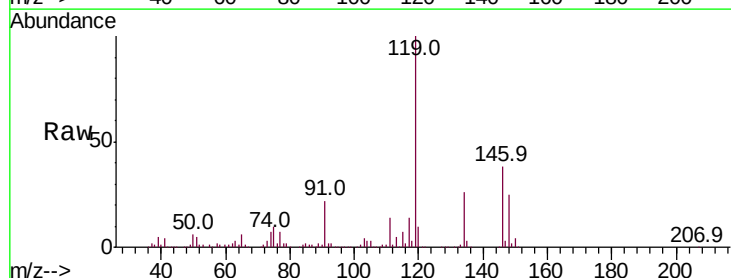
Tgt Ion:119 Resp: 665575

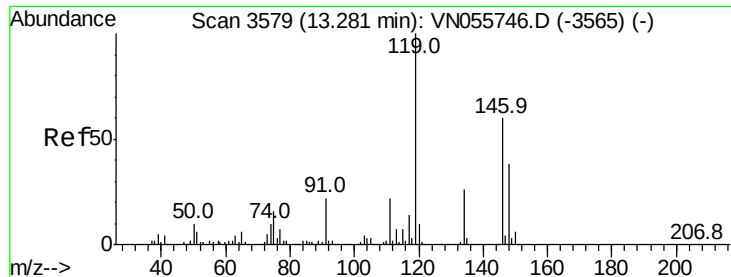
Ion Ratio Lower Upper

119 100

134 26.5 13.4 40.1

91 21.8 10.9 32.9

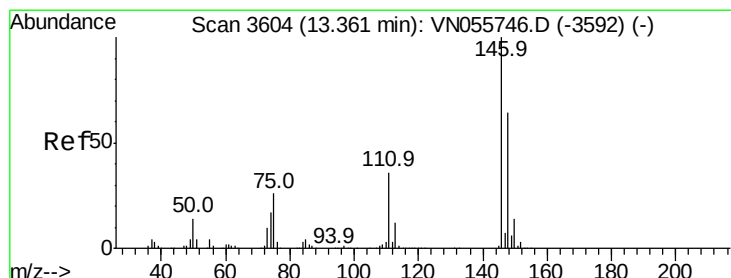
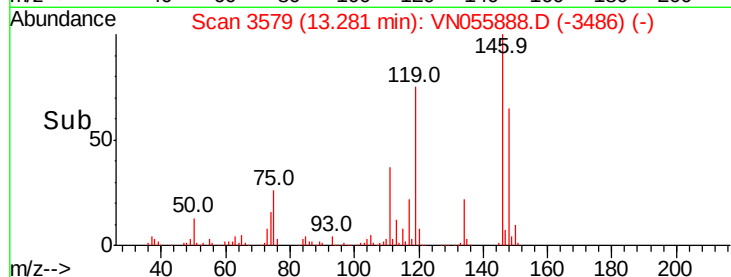
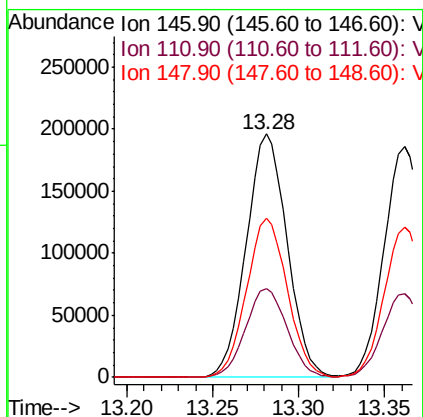
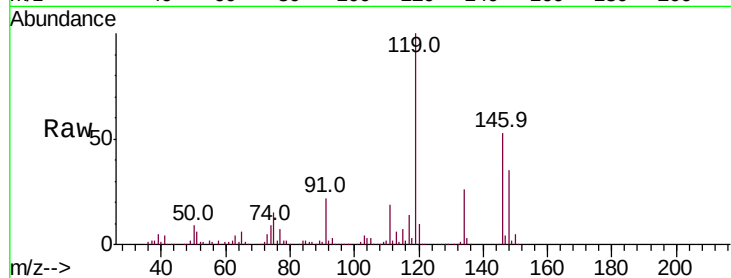




#87
 1,3-Dichlorobenzene
 Concen: 48.639 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055888.D
 Acq: 30 May 2019 9:54

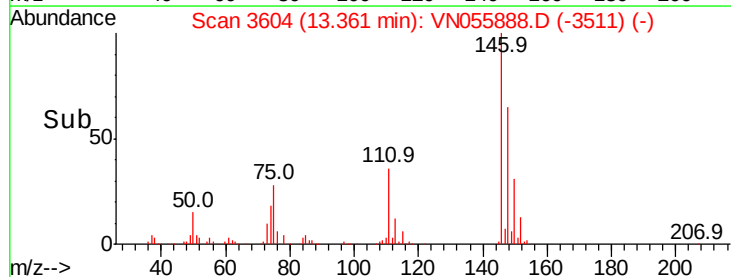
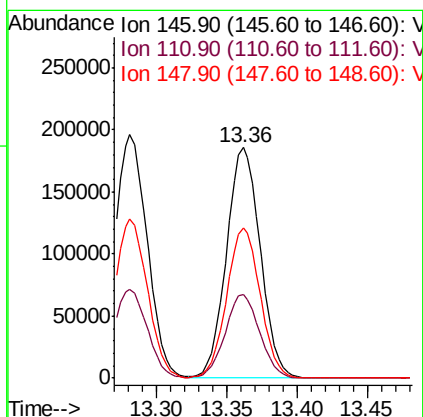
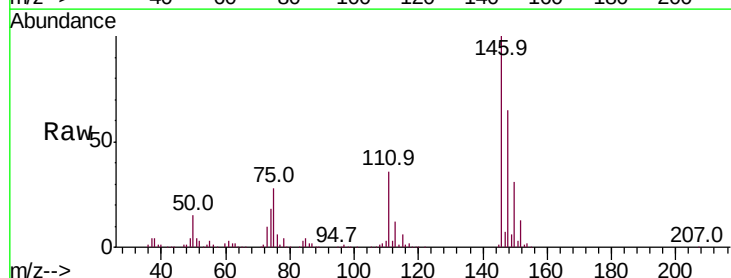
Instrument :
 MSVOA_N
 ClientSampled :

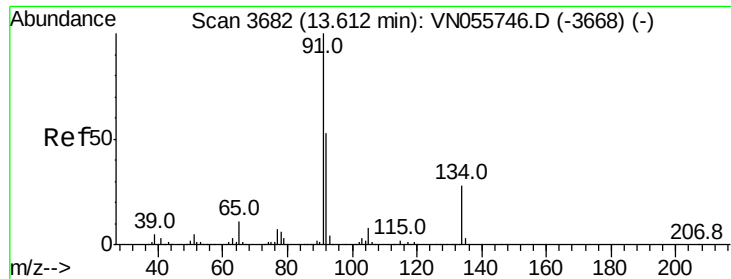
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.5	55.5
148	65.3	32.0	96.2



#88
 1,4-Dichlorobenzene
 Concen: 49.274 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055888.D
 Acq: 30 May 2019 9:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.1	54.4
148	64.7	32.1	96.5

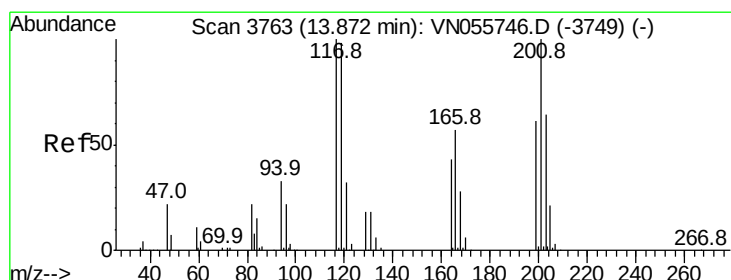
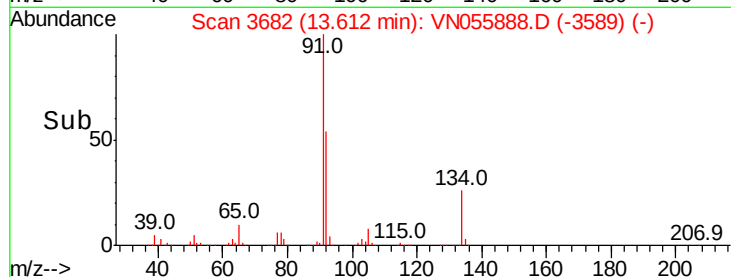
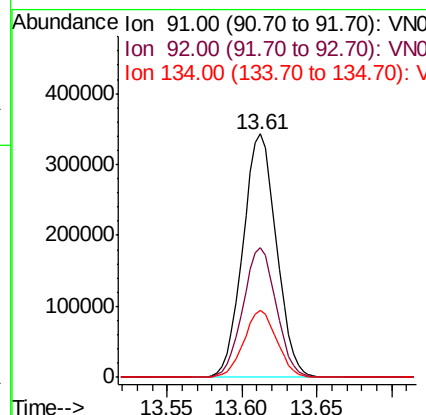
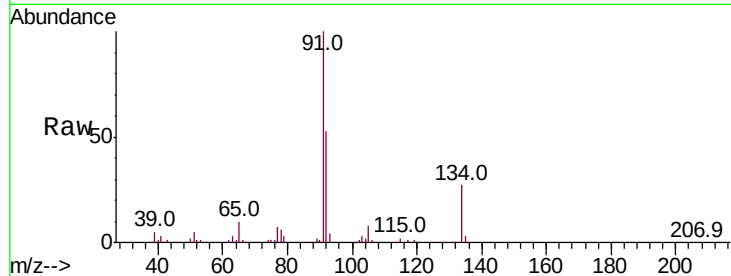




#89
n-Butylbenzene
Concen: 51.015 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055888.D
Acq: 30 May 2019 9:54

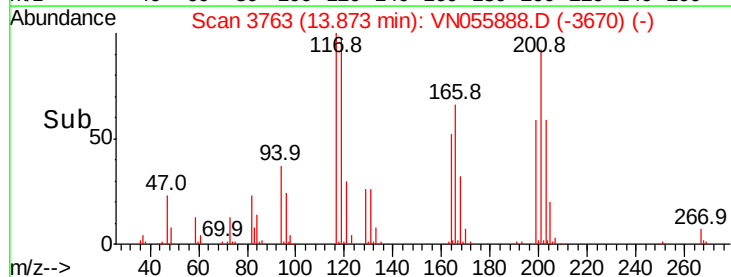
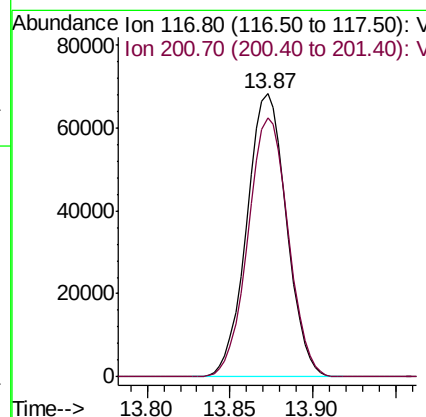
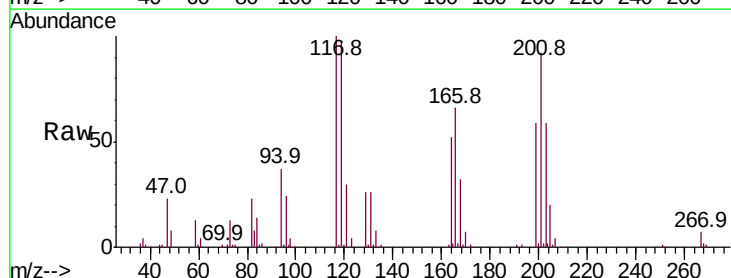
Instrument :
MSVOA_N
ClientSampled :

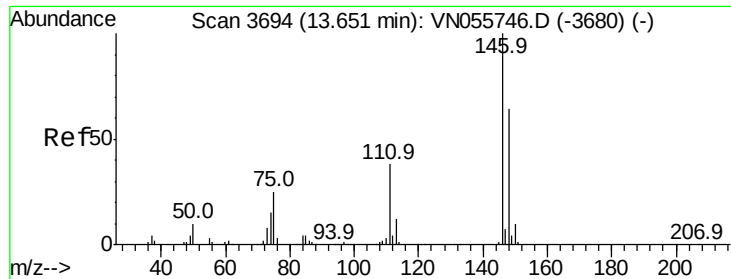
Tot Ion: 91 Resp: 534410
Ion Ratio Lower Upper
91 100
92 53.1 26.4 79.0
134 27.1 13.9 41.7



#90
Hexachloroethane
Concen: 43.746 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055888.D
Acq: 30 May 2019 9:54

Tgt Ion: 117 Resp: 113841
Ion Ratio Lower Upper
117 100
201 92.6 50.0 150.0

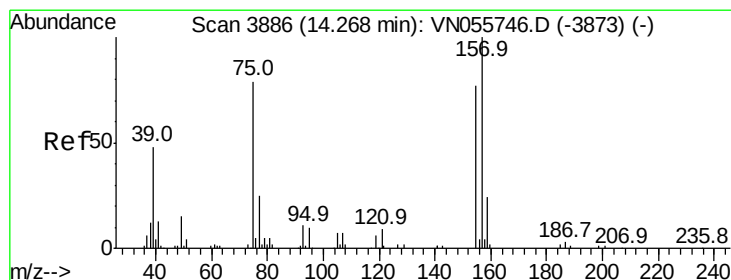
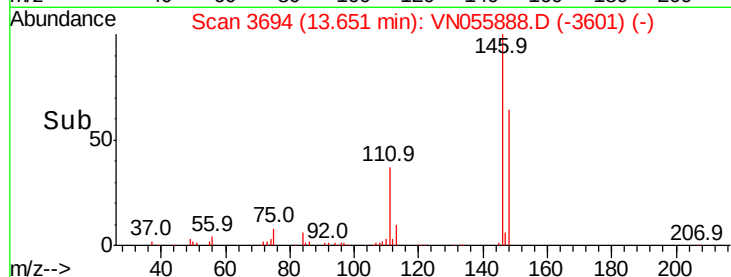
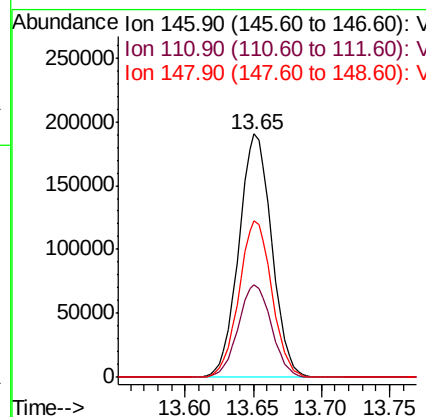
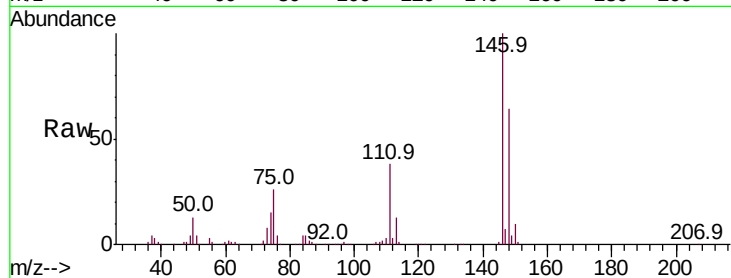




#91
 1,2-Dichlorobenzene
 Concen: 47.980 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN055888.D
 Acq: 30 May 2019 9:54

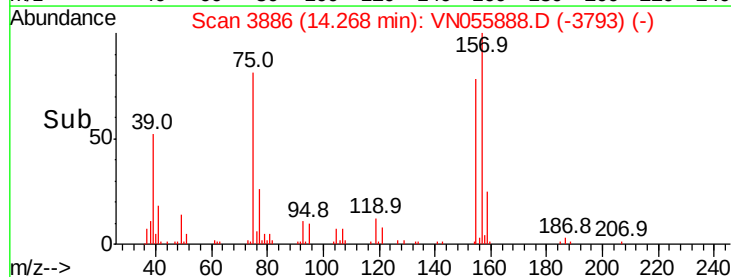
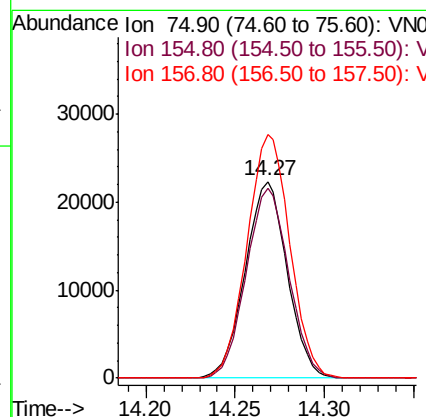
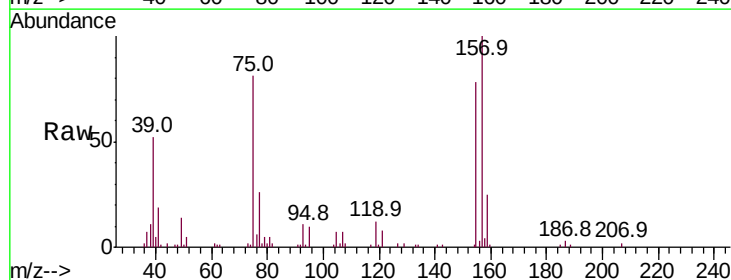
Instrument :
 MSVOA_N
 ClientSampled :

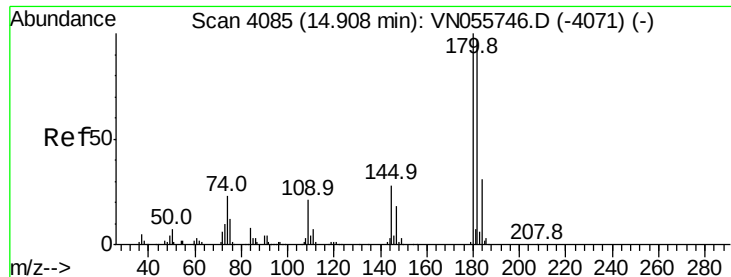
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.1	57.5
148	64.2	31.9	95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 42.153 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055888.D
 Acq: 30 May 2019 9:54

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.0	50.0	150.1
157	126.3	64.8	194.3





#93

1,2,4-Trichlorobenzene

Concen: 44.149 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN055888.D

Acq: 30 May 2019 9:54

Instrument :

MSVOA_N

ClientSampled :

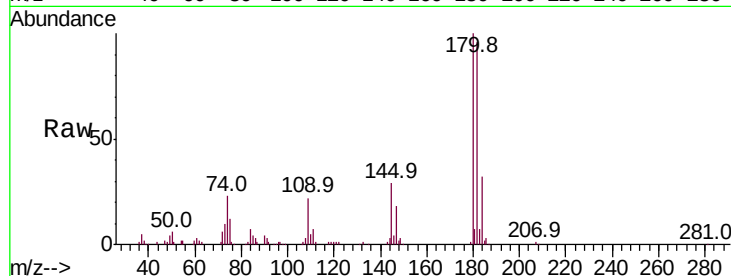
Tot Ion:180 Resp: 166826

Ion Ratio Lower Upper

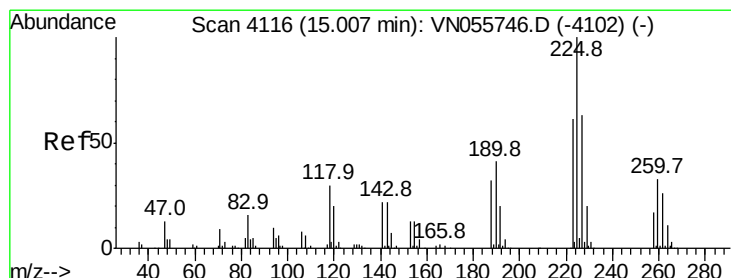
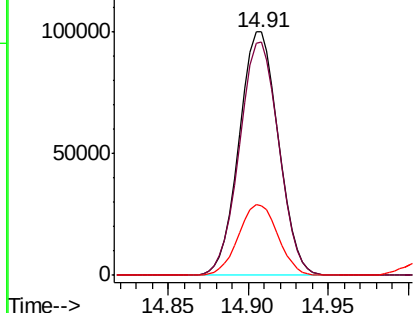
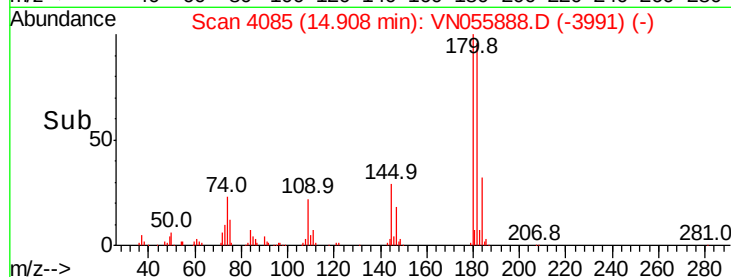
180 100

182 96.3 48.3 144.9

145 29.4 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: 49.147 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VN055888.D

Acq: 30 May 2019 9:54

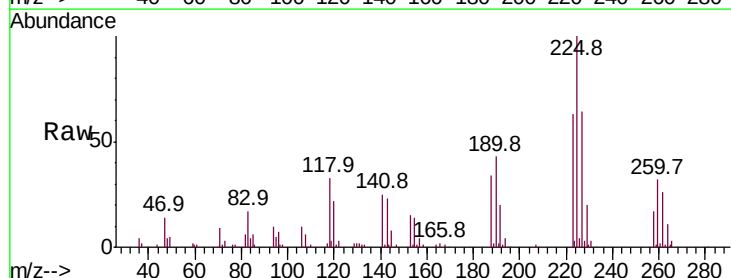
Tgt Ion:225 Resp: 114864

Ion Ratio Lower Upper

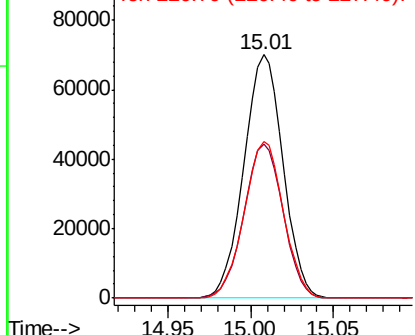
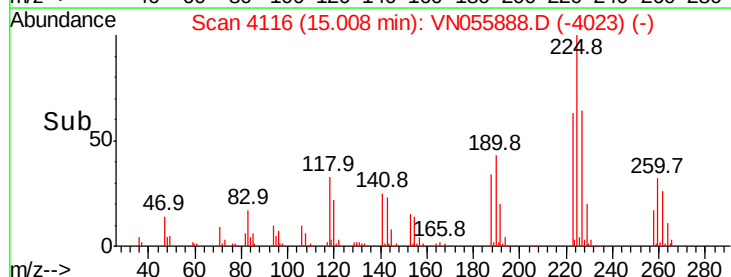
225 100

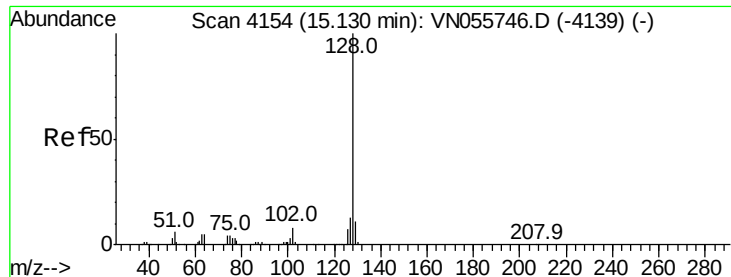
223 63.5 30.9 92.7

227 64.5 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

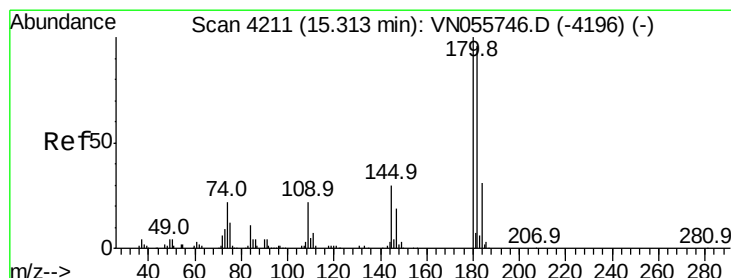
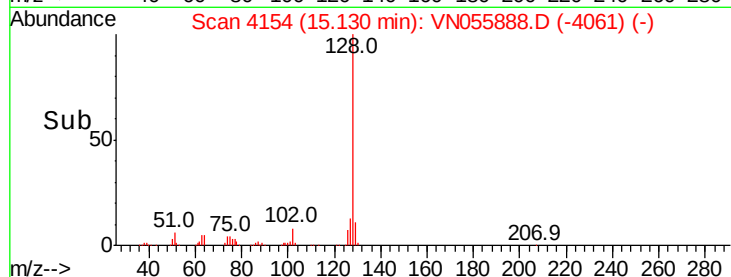
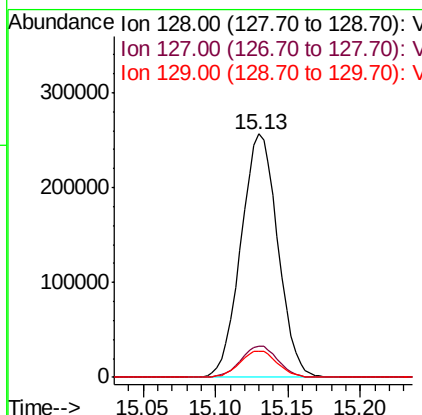
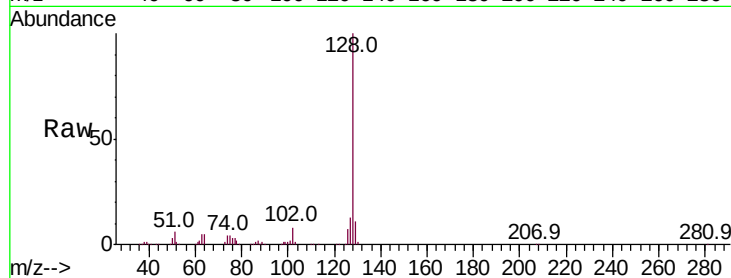




#95
Naphthalene
Concen: 49.857 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN055888.D
Acq: 30 May 2019 9:54

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:128 Resp: 454051
Ion Ratio Lower Upper
128 100
127 12.9 10.3 15.5
129 10.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 50.102 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN055888.D
Acq: 30 May 2019 9:54

Tgt Ion:180 Resp: 175772
Ion Ratio Lower Upper
180 100
182 95.2 47.9 143.7
145 30.6 14.9 44.7

