

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052119\
 Data File : VN055704.D
 Acq On : 21 May 2019 13:05
 Operator : JC/SP
 Sample : VN0521WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 22 05:11:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051719W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 23:54:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	338747	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	481963	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	419401	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	185634	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	164498	44.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.60%	
35) Dibromofluoromethane	7.59	113	154827	50.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.14%	
50) Toluene-d8	10.09	98	568719	49.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.26%	
62) 4-Bromofluorobenzene	12.40	95	192451	48.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.28%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.85	85	49835	19.121	ug/l	99
3) Chloromethane	2.06	50	59810	17.204	ug/l	98
4) Vinyl Chloride	2.18	62	70149	18.635	ug/l	97
5) Bromomethane	2.57	94	47521	19.808	ug/l	97
6) Chloroethane	2.71	64	40337	19.299	ug/l	99
7) Trichlorofluoromethane	3.03	101	98337	20.385	ug/l	99
8) Diethyl Ether	3.41	74	38467	19.850	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.77	101	62776	21.346	ug/l	100
10) Methyl Iodide	3.96	142	81332	19.183	ug/l	99
11) Tert butyl alcohol	4.77	59	67749	97.836	ug/l	98
12) 1,1-Dichloroethene	3.74	96	60411	19.528	ug/l	97
13) Acrolein	3.61	56	28530	81.692	ug/l	98
14) Allyl chloride	4.33	41	95014	19.025	ug/l	99
15) Acrylonitrile	4.99	53	150907	97.951	ug/l	100
16) Acetone	3.81	43	148109	97.736	ug/l	99
17) Carbon Disulfide	4.06	76	153585	17.858	ug/l	100
18) Methyl Acetate	4.33	43	64149	19.745	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	202582	19.794	ug/l	98
20) Methylene Chloride	4.56	84	67021	19.379	ug/l	93
21) trans-1,2-Dichloroethene	5.05	96	64716	19.637	ug/l	95
22) Diisopropyl ether	5.95	45	189697	19.168	ug/l	97
23) Vinyl Acetate	5.90	43	797912	95.020	ug/l	98
24) 1,1-Dichloroethane	5.85	63	113976	19.642	ug/l	99
25) 2-Butanone	6.83	43	204904	96.705	ug/l	98
26) 2,2-Dichloropropane	6.83	77	100442	19.503	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	77513	20.199	ug/l	94
28) Bromochloromethane	7.20	49	43437	17.206	ug/l	91
29) Tetrahydrofuran	7.21	42	130364	92.868	ug/l	96
30) Chloroform	7.37	83	118322	19.865	ug/l	99
31) Cyclohexane	7.66	56	105999	19.247	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	103868	19.442	ug/l	98
36) 1,1-Dichloropropene	7.80	75	85582	19.917	ug/l	97
37) Ethyl Acetate	6.93	43	82798	21.353	ug/l	99
38) Carbon Tetrachloride	7.78	117	95200	20.733	ug/l	100

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 Quant Title : SW846 8260
 QLast Update : Fri May 17 23:54:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	111016	21.432	ug/l	98
40) Benzene	8.04	78	269036	21.287	ug/l	98
41) Methacrylonitrile	7.21	41	118752	71.633	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	86911	21.236	ug/l	100
43) Isopropyl Acetate	8.16	43	136266	20.203	ug/l	98
44) Trichloroethene	8.84	130	78893	22.122	ug/l	97
45) 1,2-Dichloropropane	9.12	63	69653	20.920	ug/l	96
46) Dibromomethane	9.21	93	46424	21.303	ug/l	95
47) Bromodichloromethane	9.40	83	94526	20.696	ug/l	99
48) Methyl methacrylate	9.20	41	59546	19.751	ug/l	95
49) 1,4-Dioxane	9.20	88	27872	465.268	ug/l	94
51) 4-Methyl-2-Pentanone	9.98	43	400945	101.340	ug/l	99
52) Toluene	10.16	92	168517	21.258	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	98413	20.020	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	111041	20.620	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	69617	21.332	ug/l	98
56) Ethyl methacrylate	10.43	69	101113	19.848	ug/l	97
57) 1,3-Dichloropropane	10.71	76	108758	21.041	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	173125	79.979	ug/l	98
59) 2-Hexanone	10.75	43	275601	98.940	ug/l	98
60) Dibromochloromethane	10.90	129	80711	21.821	ug/l	99
61) 1,2-Dibromoethane	11.01	107	69036	21.142	ug/l	99
64) Tetrachloroethene	10.63	164	75263	22.752	ug/l	97
65) Chlorobenzene	11.43	112	181661	21.415	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	72851	21.348	ug/l	98
67) Ethyl Benzene	11.51	91	317484	21.009	ug/l	99
68) m/p-Xylenes	11.62	106	244600	42.862	ug/l	97
69) o-Xylene	11.95	106	120725	21.629	ug/l	95
70) Styrene	11.96	104	196240	21.145	ug/l	99
71) Bromoform	12.13	173	62293	21.540	ug/l #	100
73) Isopropylbenzene	12.25	105	321815	23.423	ug/l	99
74) N-amyl acetate	12.07	43	100689	19.317	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	95810	22.432	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	110912	29.281	ug/l #	100
77) Bromobenzene	12.53	156	84529	22.172	ug/l	92
78) n-propylbenzene	12.59	91	340363	20.647	ug/l	98
79) 2-Chlorotoluene	12.67	91	208362	22.699	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	272693	23.419	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	26833	18.210	ug/l	98
82) 4-Chlorotoluene	12.77	91	198001	20.385	ug/l	98
83) tert-Butylbenzene	12.99	119	243674	24.379	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	270461	23.412	ug/l	100
85) sec-Butylbenzene	13.17	105	311167	23.959	ug/l	100
86) p-Isopropyltoluene	13.29	119	284888	23.738	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	138590	21.986	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	132141	21.955	ug/l	99
89) n-Butylbenzene	13.61	91	219774	21.575	ug/l	99
90) Hexachloroethane	13.87	117	54815	23.693	ug/l	93
91) 1,2-Dichlorobenzene	13.65	146	139519	22.204	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	17116	20.317	ug/l	90

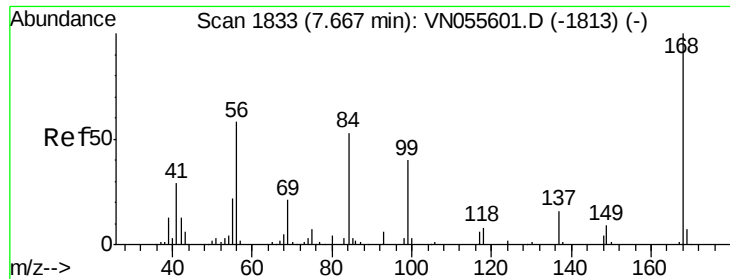
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Quant Title : SW846 8260
QLast Update : Fri May 17 23:54:12 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	75680	23.661	ug/l	99
94) Hexachlorobutadiene	15.01	225	59749	29.771	ug/l	97
95) Naphthalene	15.13	128	193289	21.081	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	81017	24.225	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN055704.D

Acq: 21 May 2019 13:05

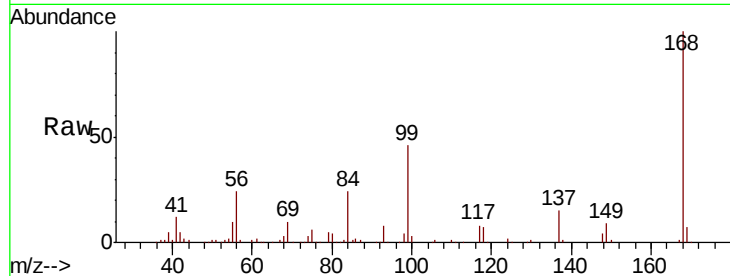
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 338747

Ion Ratio Lower Upper

168 100

99 45.3 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

150000

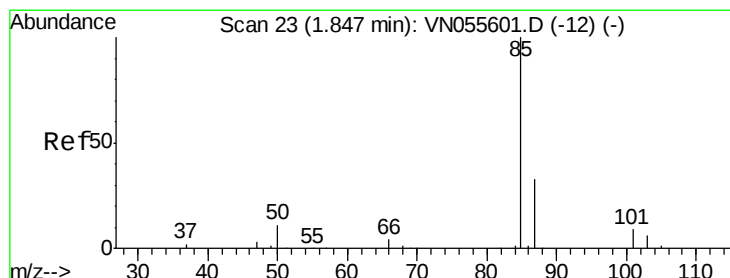
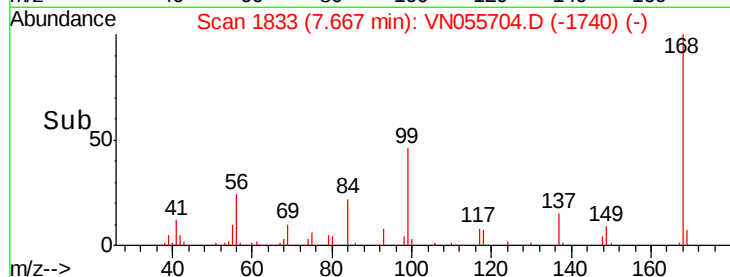
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 19.121 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN055704.D

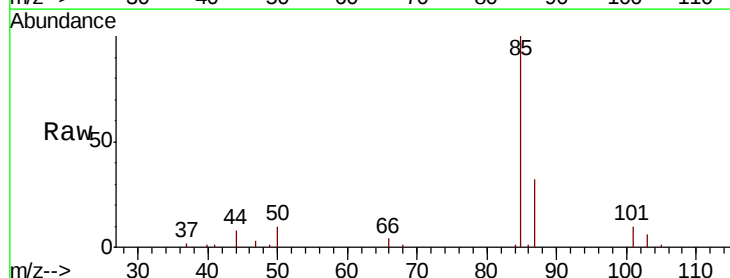
Acq: 21 May 2019 13:05

Tgt Ion: 85 Resp: 49835

Ion Ratio Lower Upper

85 100

87 32.3 16.6 49.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

30000

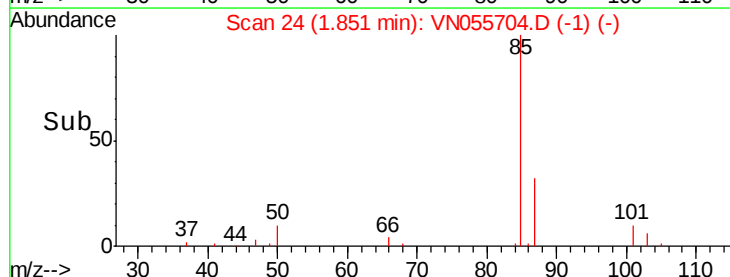
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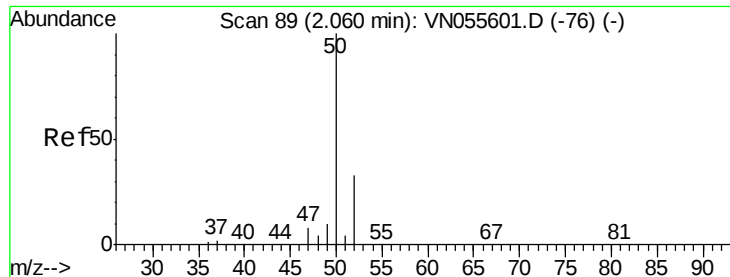
10000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 17.204 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN055704.D

Acq: 21 May 2019 13:05

Instrument :

MSVOA_N

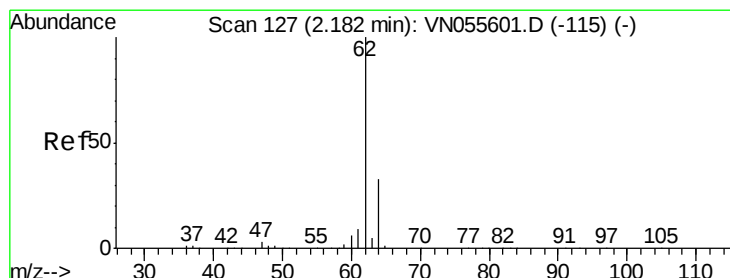
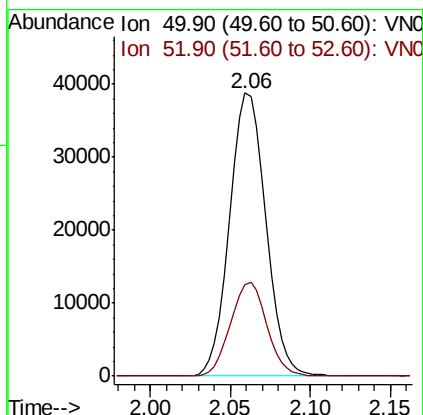
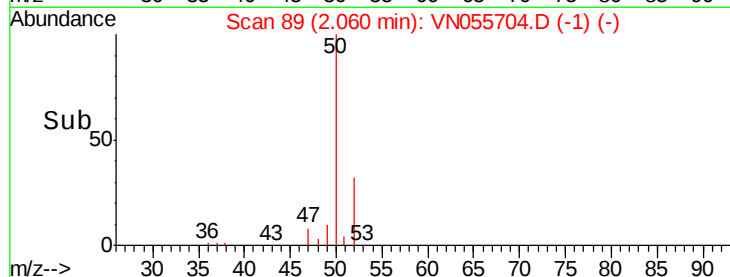
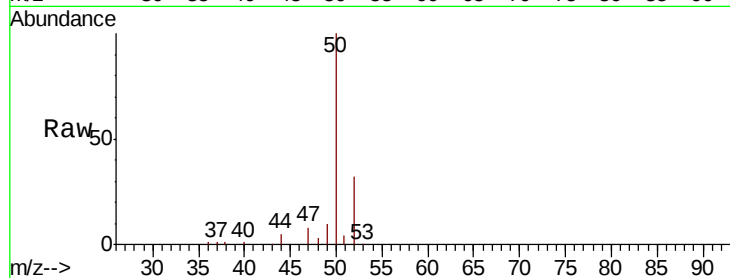
ClientSampled :

Tot Ion: 50 Resp: 59810

Ion Ratio Lower Upper

50 100

52 32.4 26.7 40.1



#4

Vinyl Chloride

Concen: 18.635 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN055704.D

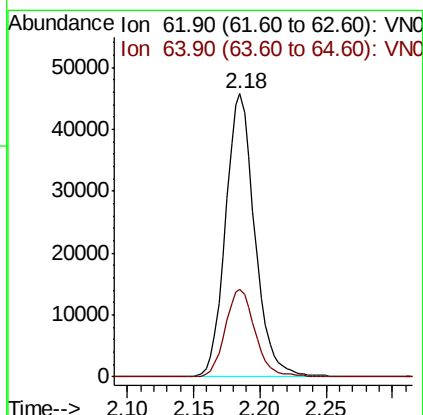
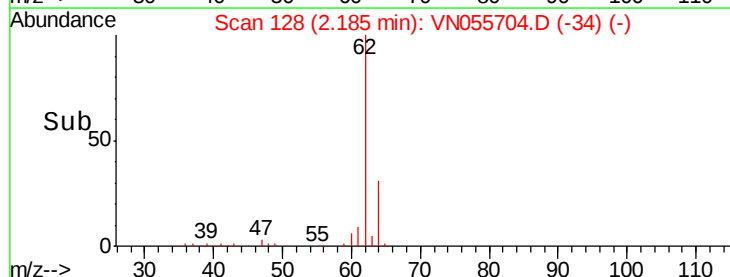
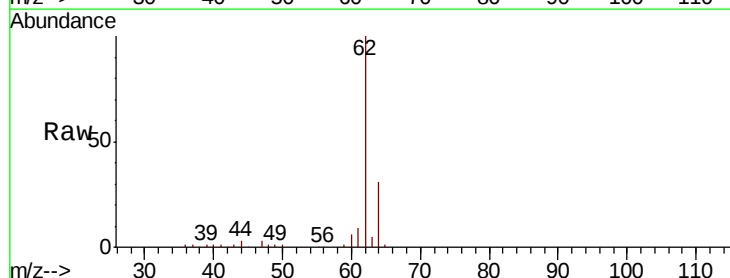
Acq: 21 May 2019 13:05

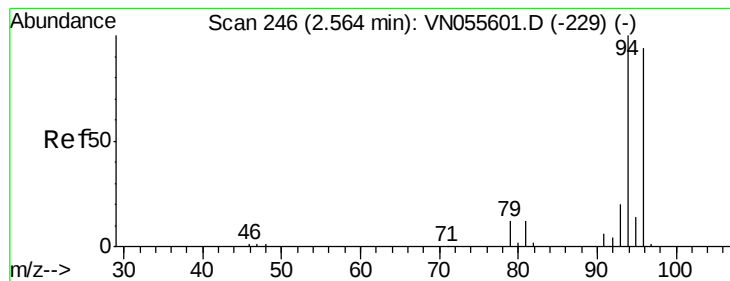
Tgt Ion: 62 Resp: 70149

Ion Ratio Lower Upper

62 100

64 31.1 26.2 39.4





#5

Bromomethane

Concen: 19.808 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN055704.D

Acq: 21 May 2019 13:05

Instrument :

MSVOA_N

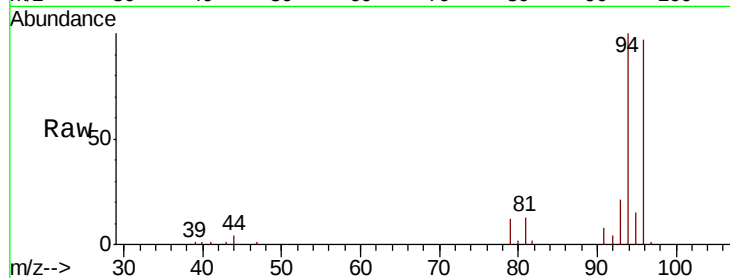
ClientSampled :

Tot Ion: 94 Resp: 47521

Ion Ratio Lower Upper

94 100

96 97.0 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.57

25000

20000

15000

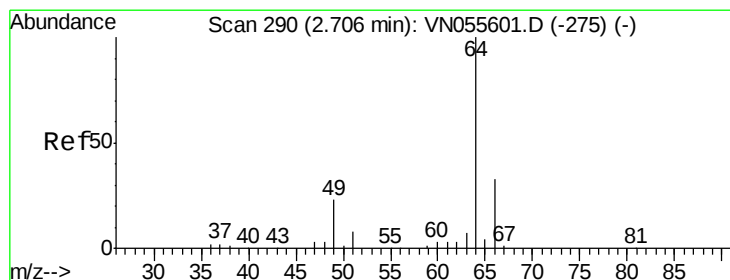
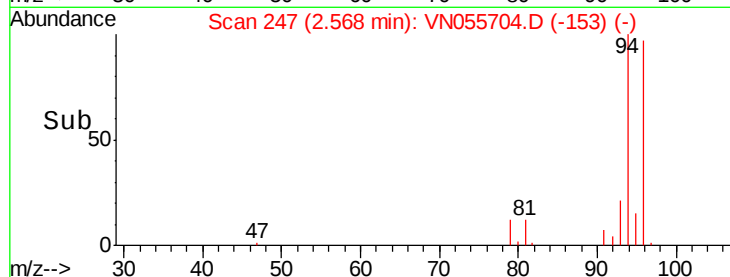
10000

5000

0

Time-->

2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 19.299 ug/l

RT: 2.71 min Scan# 290

Delta R.T. -0.00 min

Lab File: VN055704.D

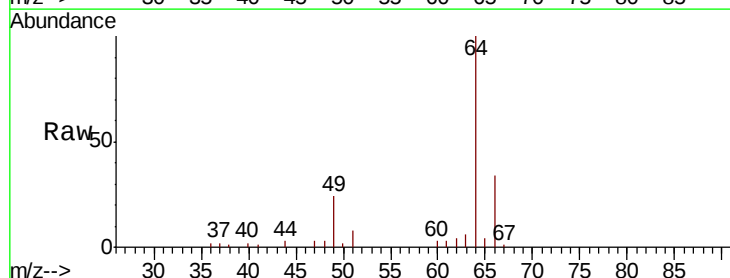
Acq: 21 May 2019 13:05

Tgt Ion: 64 Resp: 40337

Ion Ratio Lower Upper

64 100

66 33.5 26.2 39.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.71

20000

15000

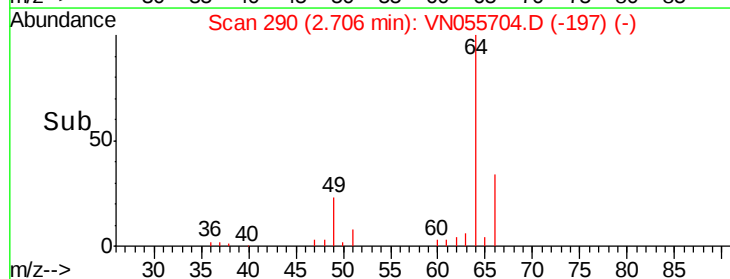
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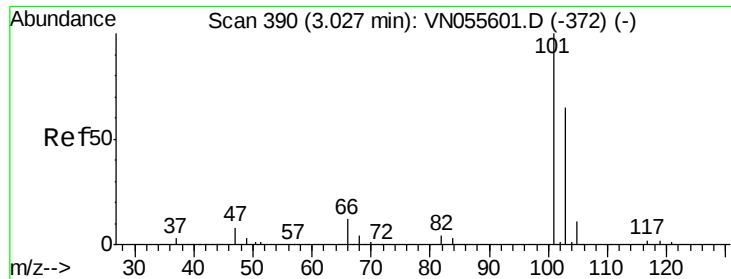
5000

0

Time-->

2.60 2.65 2.70 2.75 2.80



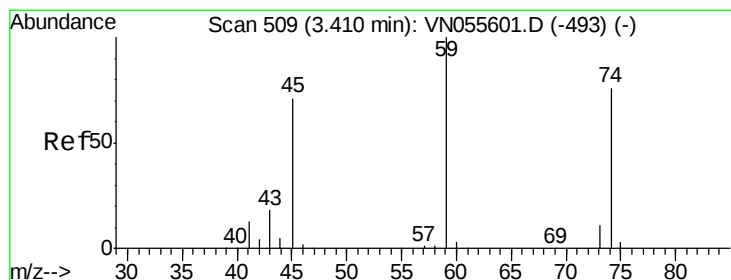
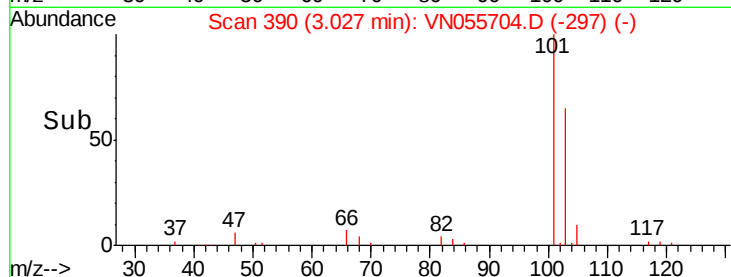
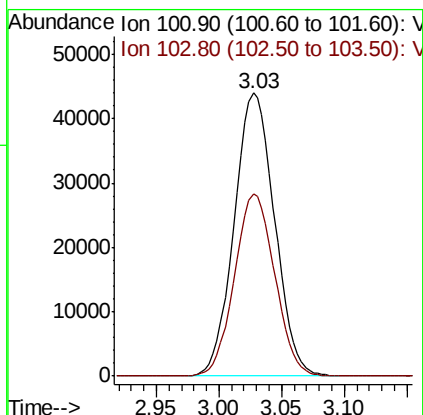
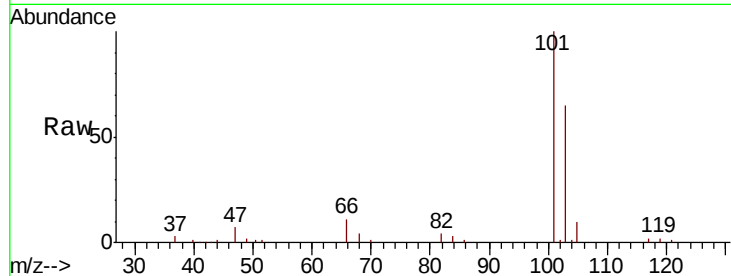


#7

Trichlorofluoromethane
 Concen: 20.385 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. -0.00 min
 Lab File: VN055704.D
 Acq: 21 May 2019 13:05

Instrument :
 MSVOA_N
 ClientSampled :

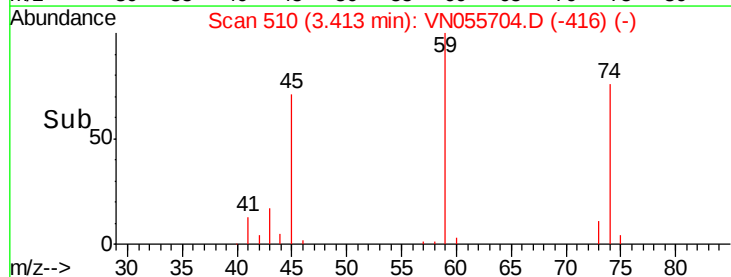
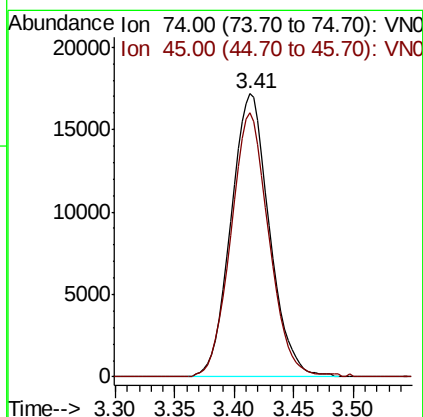
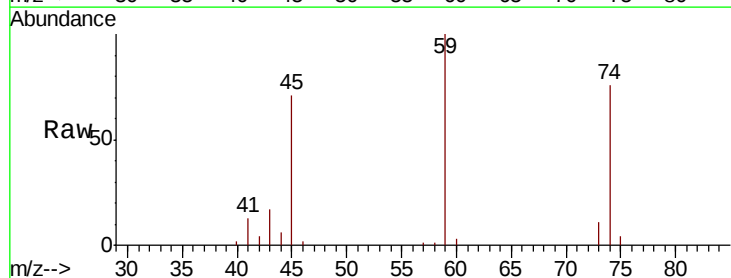
Tot Ion:101 Resp: 98337
 Ion Ratio Lower Upper
 101 100
 103 64.6 52.3 78.5

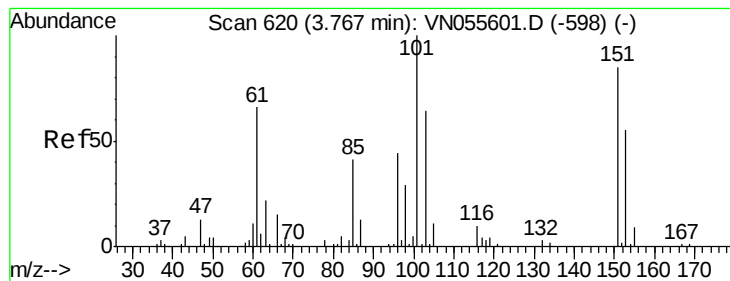


#8

Diethyl Ether
 Concen: 19.850 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN055704.D
 Acq: 21 May 2019 13:05

Tgt Ion: 74 Resp: 38467
 Ion Ratio Lower Upper
 74 100
 45 91.9 46.4 139.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.346 ug/l

RT: 3.77 min Scan# 621

Delta R.T. 0.00 min

Lab File: VN055704.D

Acq: 21 May 2019 13:05

Instrument :

MSVOA_N

ClientSampled :

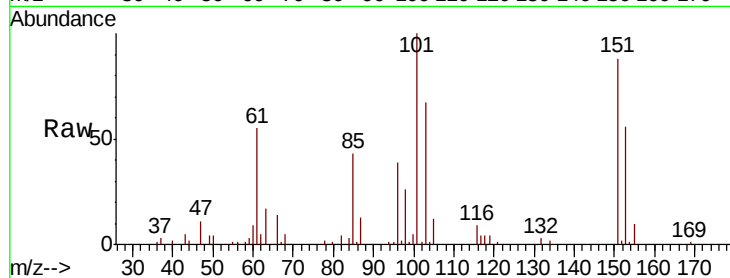
Tot Ion:101 Resp: 62776

Ion Ratio Lower Upper

101 100

85 41.6 33.4 50.0

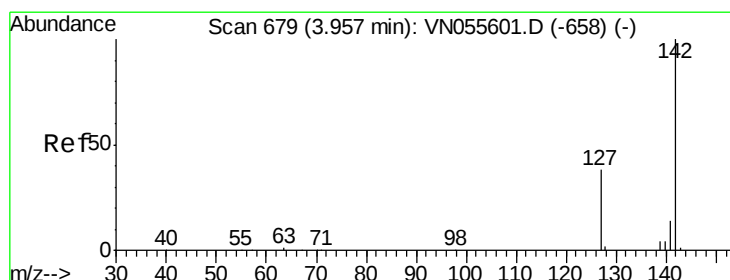
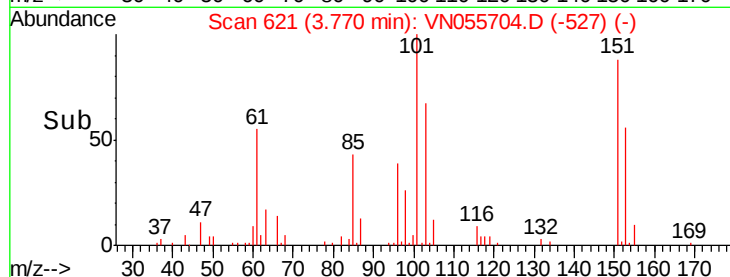
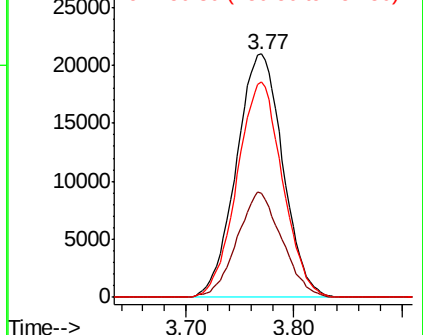
151 86.5 69.3 103.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.183 ug/l

RT: 3.96 min Scan# 680

Delta R.T. 0.00 min

Lab File: VN055704.D

Acq: 21 May 2019 13:05

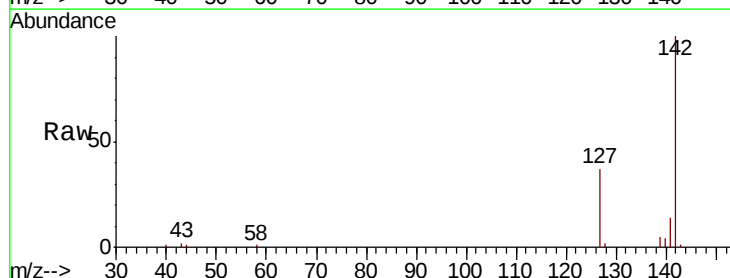
Tgt Ion:142 Resp: 81332

Ion Ratio Lower Upper

142 100

127 37.8 31.0 46.4

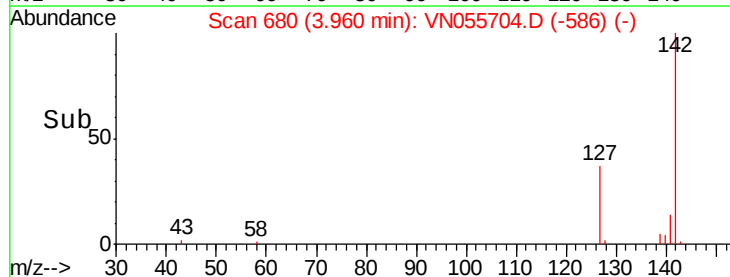
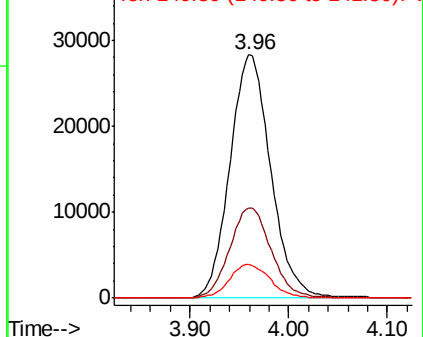
141 13.9 11.5 17.3

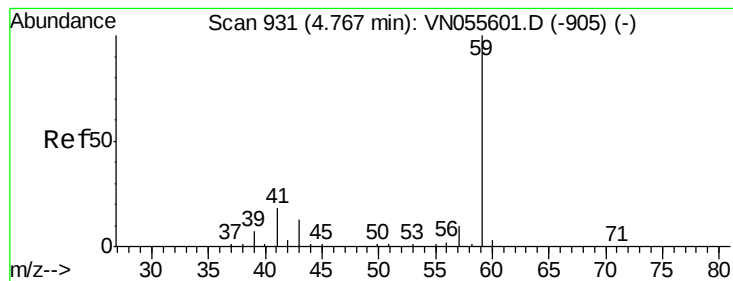


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



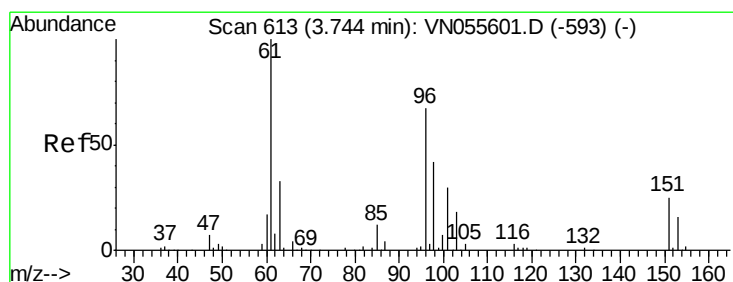
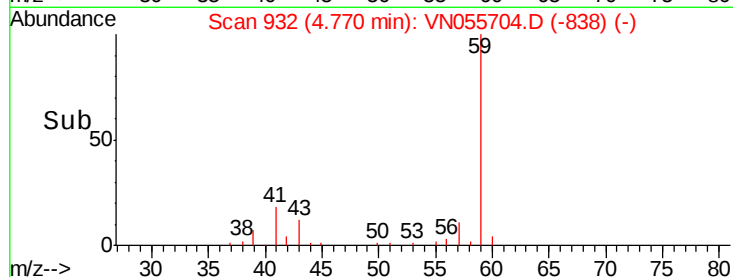
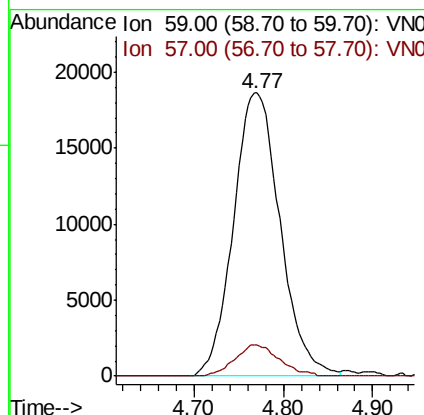
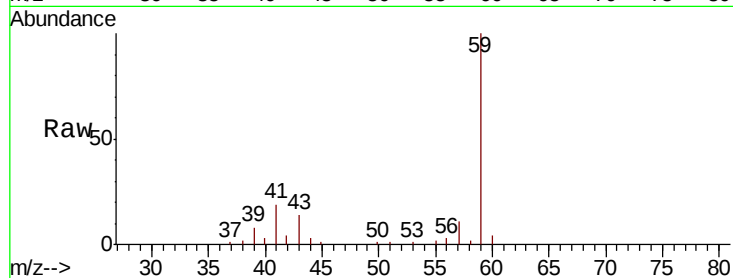


#11

Tert butyl alcohol
 Concen: 97.836 ug/l
 RT: 4.77 min Scan# 932
 Delta R.T. 0.00 min
 Lab File: VN055704.D
 Acq: 21 May 2019 13:05

Instrument :
 MSVOA_N
 ClientSampled :

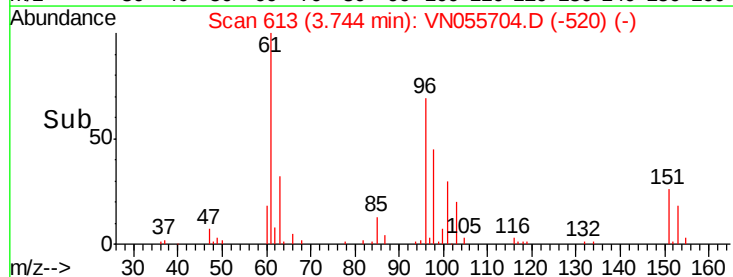
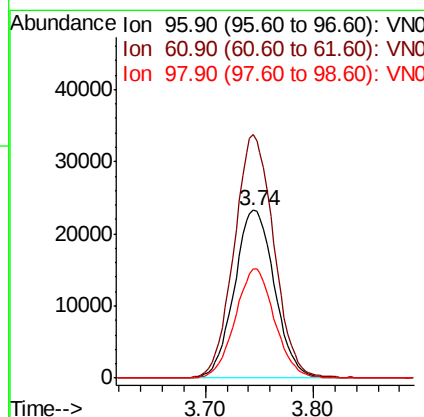
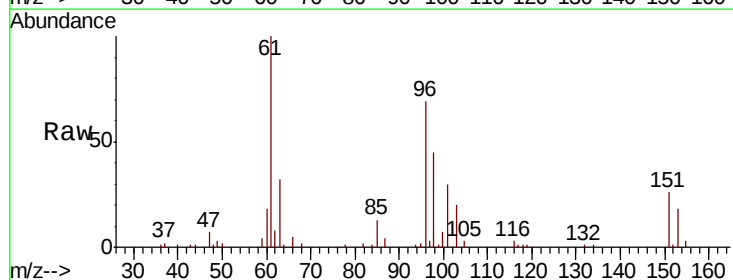
Tot Ion: 59 Resp: 67749
 Ion Ratio Lower Upper
 59 100
 57 10.5 7.8 11.6

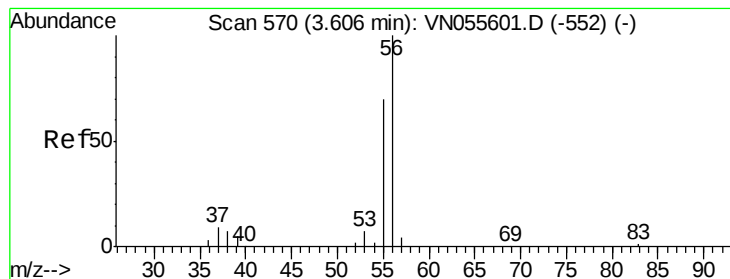


#12

1,1-Dichloroethene
 Concen: 19.528 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: VN055704.D
 Acq: 21 May 2019 13:05

Tgt Ion: 96 Resp: 60411
 Ion Ratio Lower Upper
 96 100
 61 145.1 120.2 180.2
 98 65.0 50.6 75.8





#13

Acrolein

Concen: 81.692 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN055704.D

Acq: 21 May 2019 13:05

Instrument :

MSVOA_N

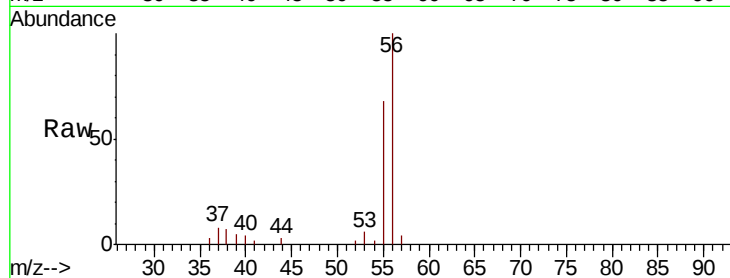
ClientSampleId :

Tot Ion: 56 Resp: 28530

Ion Ratio Lower Upper

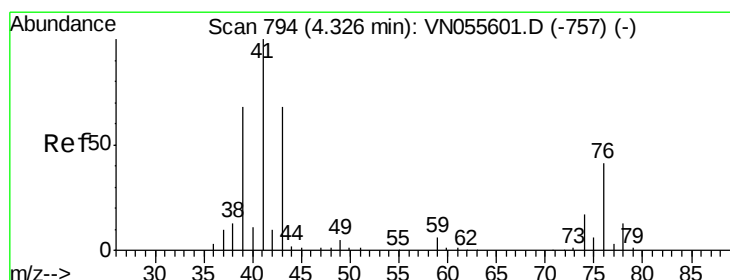
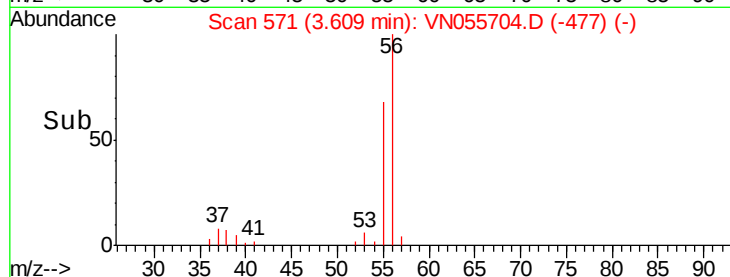
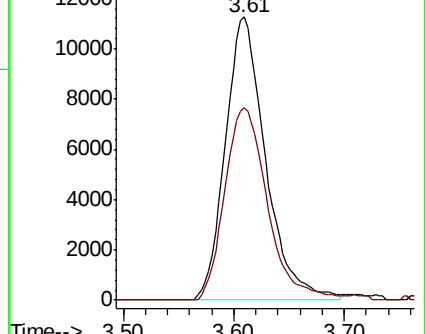
56 100

55 72.1 56.5 84.7



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 19.025 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN055704.D

Acq: 21 May 2019 13:05

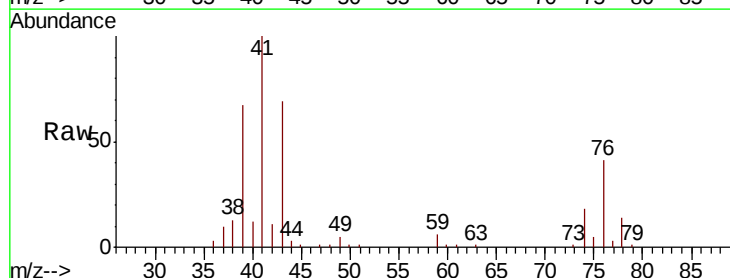
Tgt Ion: 41 Resp: 95014

Ion Ratio Lower Upper

41 100

39 63.2 50.5 75.7

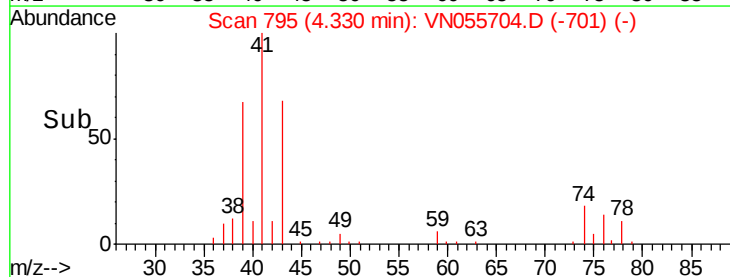
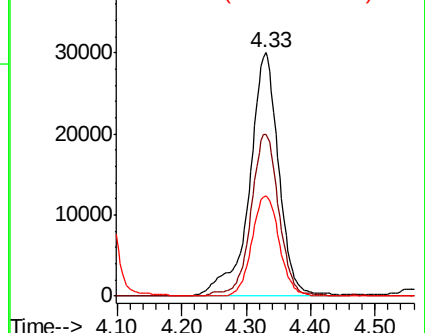
76 38.2 29.2 43.8

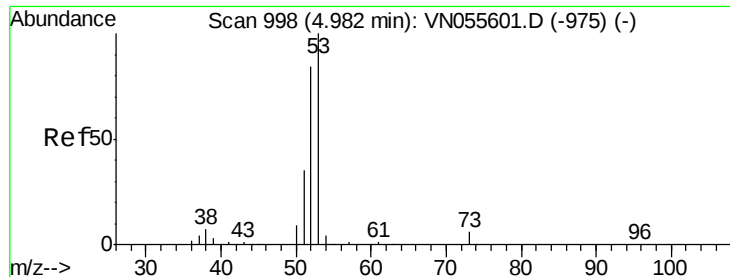


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 97.951 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

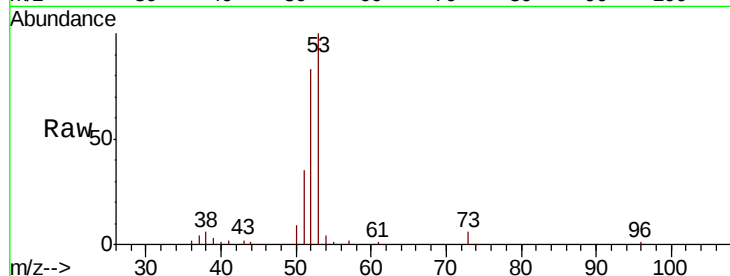
Lab File: VN055704.D

Acq: 21 May 2019 13:05

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 53 Resp: 150907

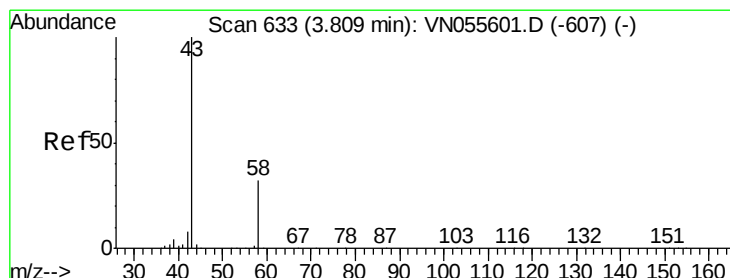
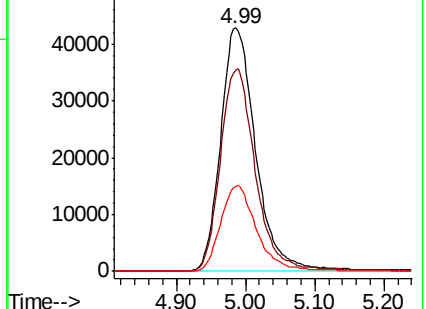
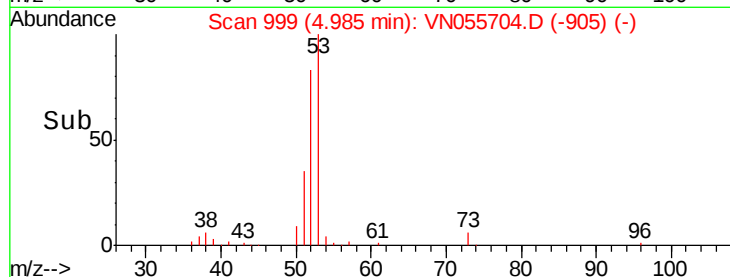
Ion	Ratio	Lower	Upper
53	100		
52	83.1	66.2	99.4
51	35.7	28.5	42.7



Abundance Ion 53.00 (52.70 to 53.70): VN055704.D (-905) (-)

Ion 52.00 (51.70 to 52.70): VN055704.D (-905) (-)

Ion 51.00 (50.70 to 51.70): VN055704.D (-905) (-)



#16

Acetone

Concen: 97.736 ug/l

RT: 3.81 min Scan# 634

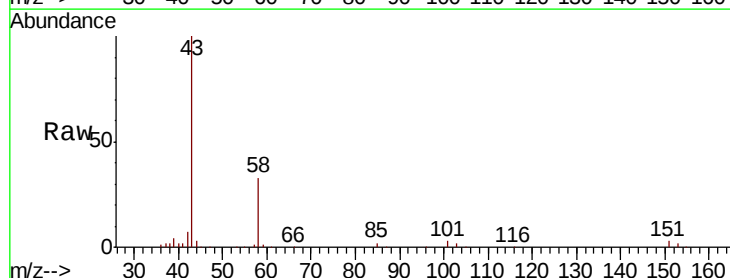
Delta R.T. 0.00 min

Lab File: VN055704.D

Acq: 21 May 2019 13:05

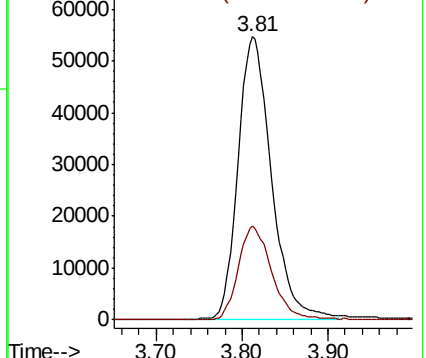
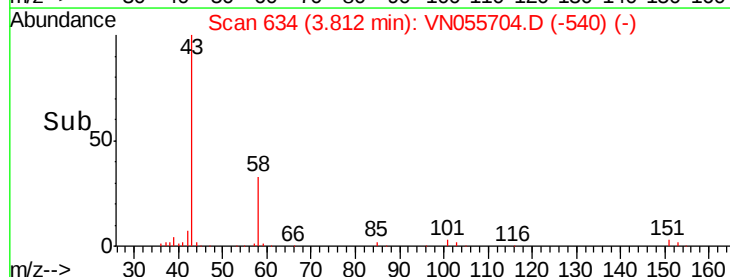
Tgt Ion: 43 Resp: 148109

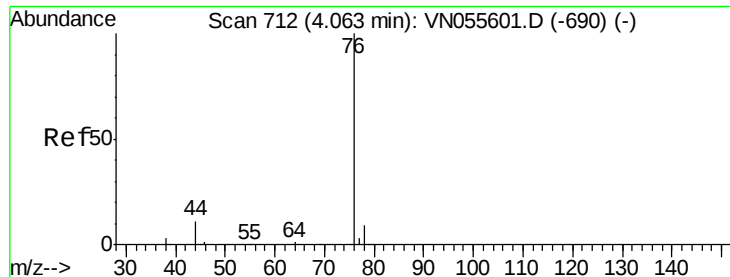
Ion	Ratio	Lower	Upper
43	100		
58	33.0	26.0	39.0



Abundance Ion 43.00 (42.70 to 43.70): VN055704.D (-540) (-)

Ion 58.00 (57.70 to 58.70): VN055704.D (-540) (-)

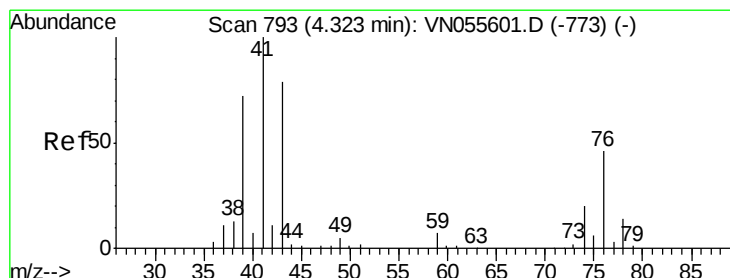
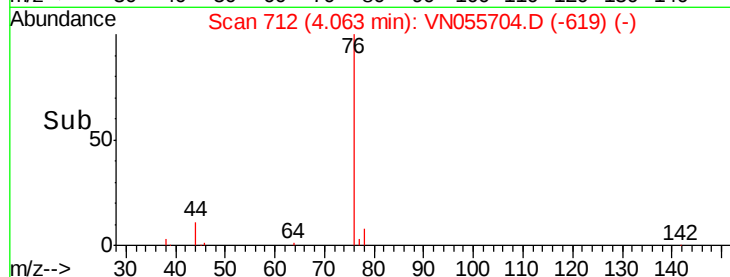
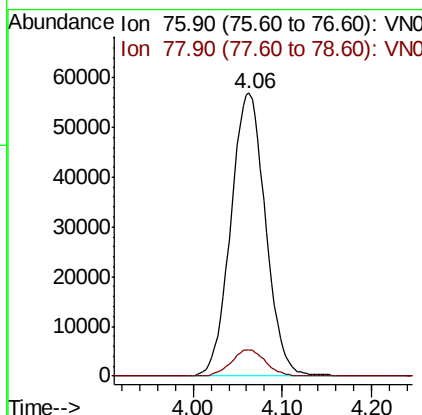
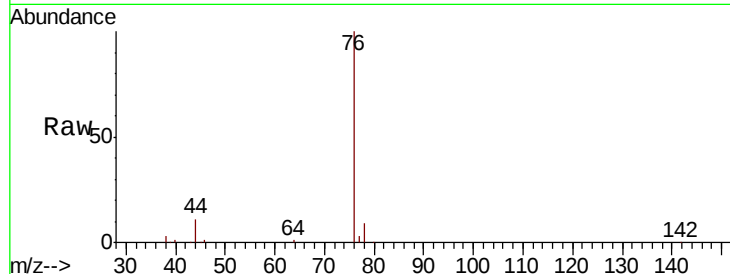




#17
Carbon Disulfide
Concen: 17.858 ug/l
RT: 4.06 min Scan# 712
Delta R.T. -0.00 min
Lab File: VN055704.D
Acq: 21 May 2019 13:05

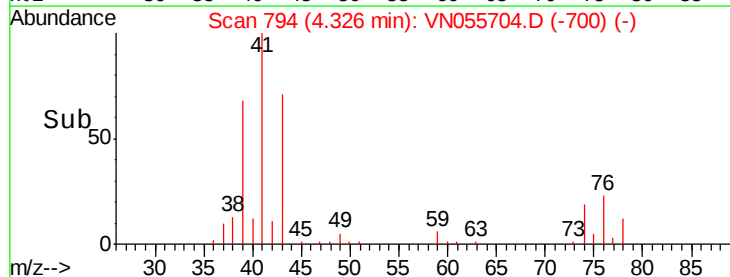
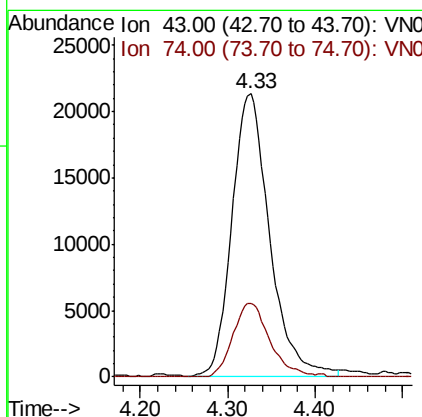
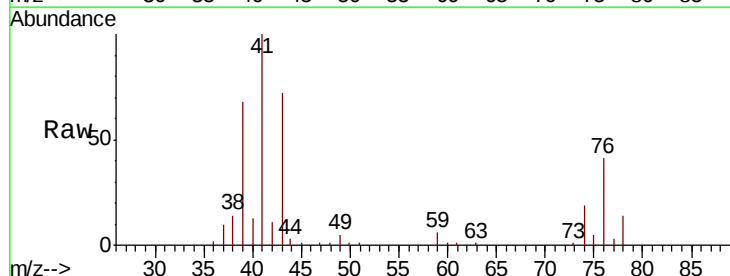
Instrument :
MSVOA_N
ClientSampleId :

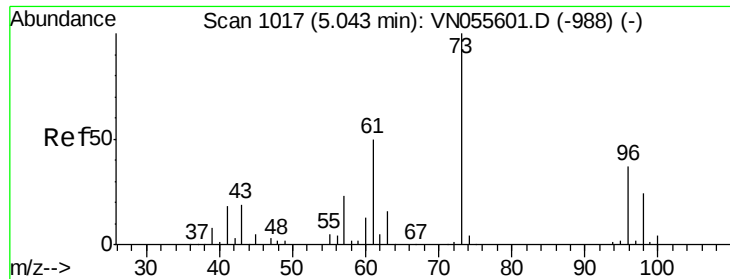
Tot Ion: 76 Resp: 153585
Ion Ratio Lower Upper
76 100
78 9.3 7.3 10.9



#18
Methyl Acetate
Concen: 19.745 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN055704.D
Acq: 21 May 2019 13:05

Tgt Ion: 43 Resp: 64149
Ion Ratio Lower Upper
43 100
74 25.3 19.9 29.9

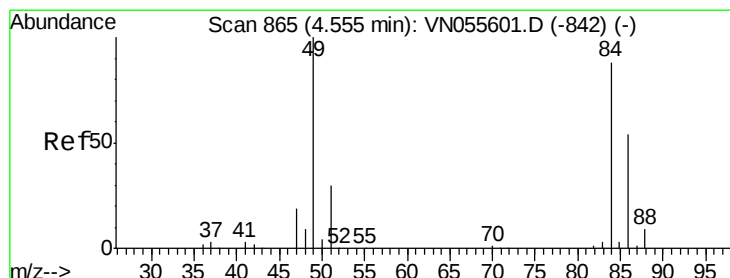
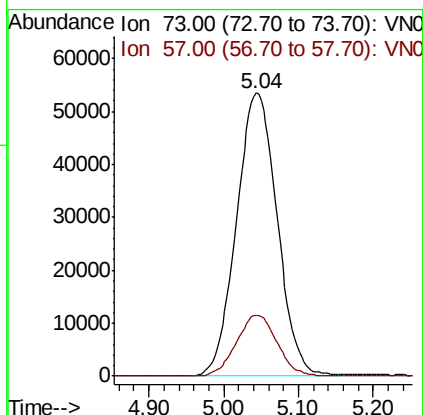
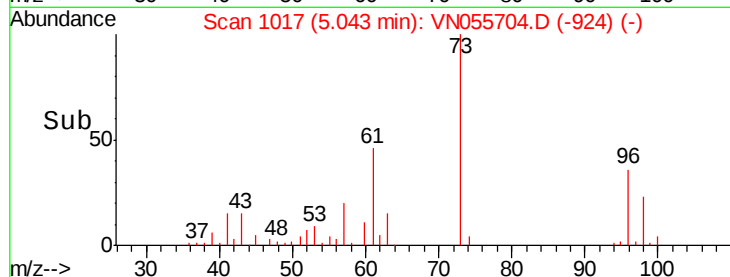
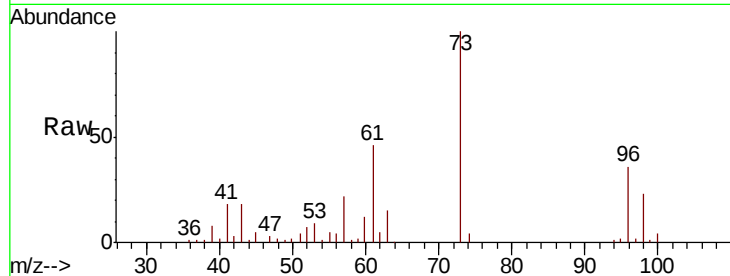




#19
Methvl tert-butvl Ether
Concen: 19.794 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN055704.D
Acq: 21 May 2019 13:05

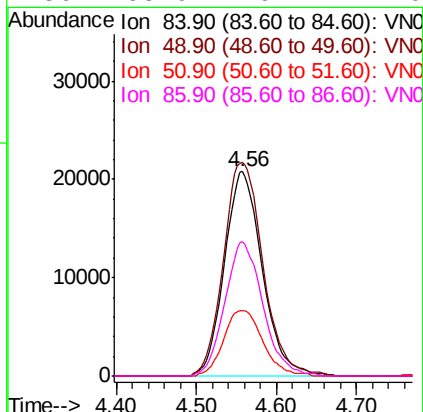
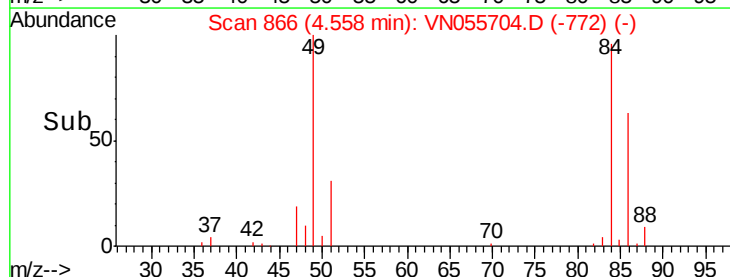
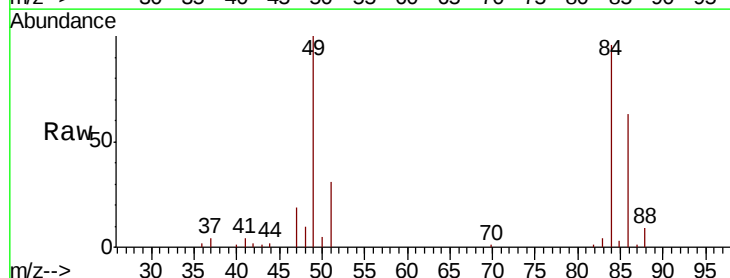
Instrument :
MSVOA_N
ClientSampleId :

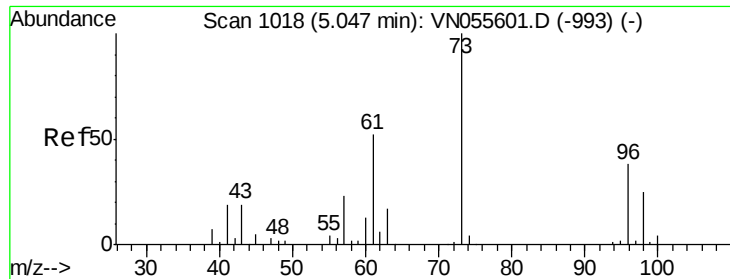
Tot Ion: 73 Resp: 202582
Ion Ratio Lower Upper
73 100
57 21.6 18.2 27.2



#20
Methylene Chloride
Concen: 19.379 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN055704.D
Acq: 21 May 2019 13:05

Tgt Ion: 84 Resp: 67021
Ion Ratio Lower Upper
84 100
49 104.3 91.0 136.4
51 32.0 27.5 41.3
86 65.9 49.4 74.0

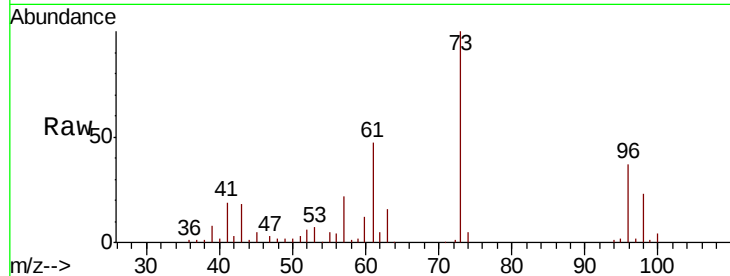




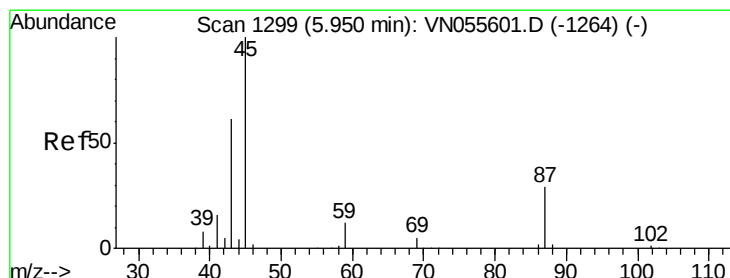
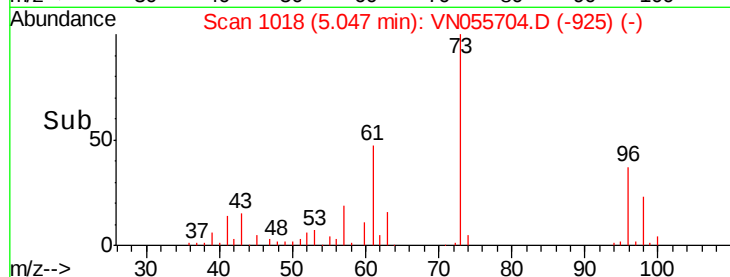
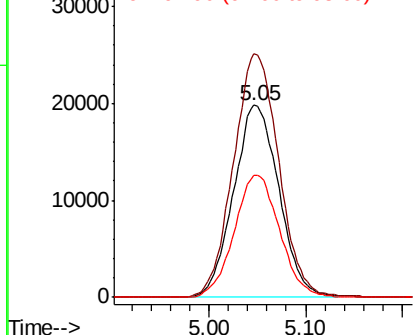
#21
trans-1,2-Dichloroethene
Concen: 19.637 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN055704.D
Acq: 21 May 2019 13:05

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 64716
Ion Ratio Lower Upper
96 100
61 126.9 108.6 162.8
98 63.3 51.4 77.0

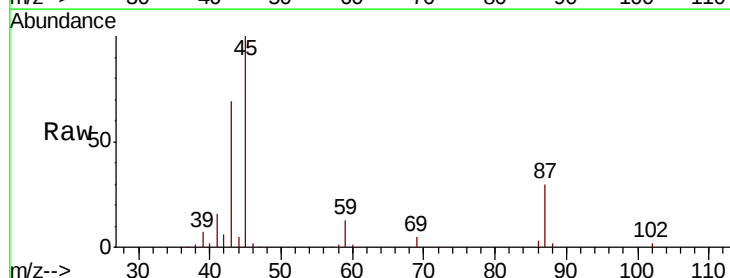


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

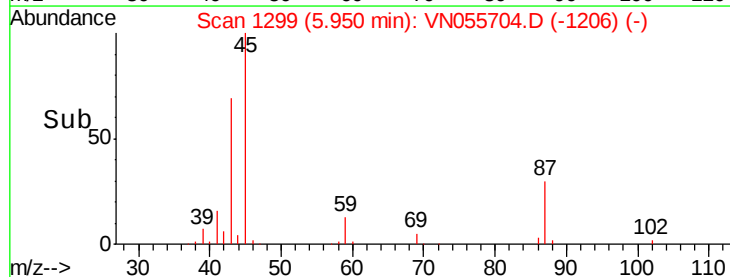
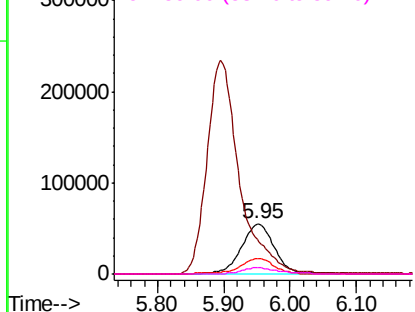


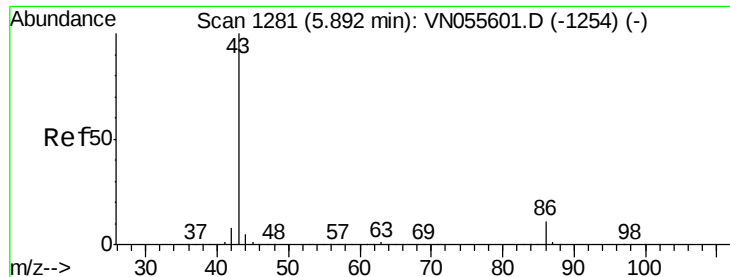
#22
Diisopropyl ether
Concen: 19.168 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN055704.D
Acq: 21 May 2019 13:05

Tgt Ion: 45 Resp: 189697
Ion Ratio Lower Upper
45 100
43 66.1 50.4 75.6
87 29.9 23.8 35.6
59 12.7 9.5 14.3



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

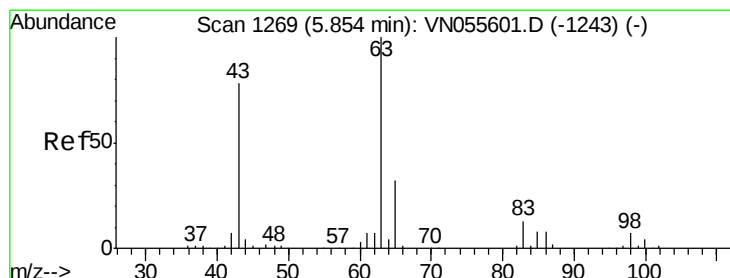
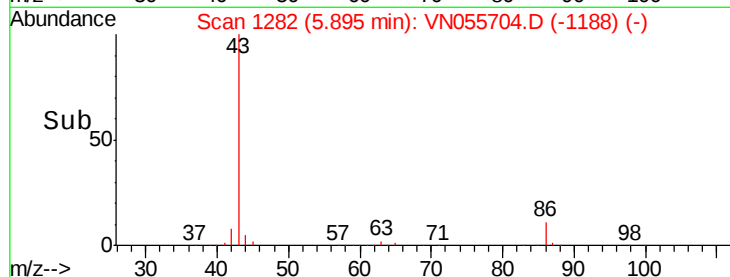
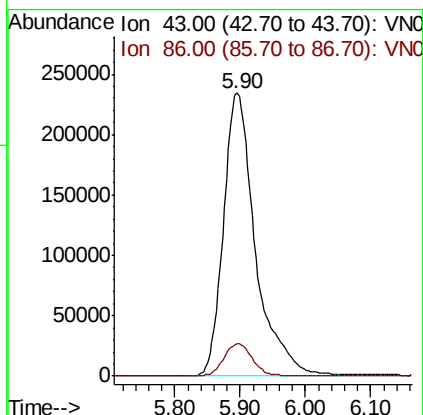
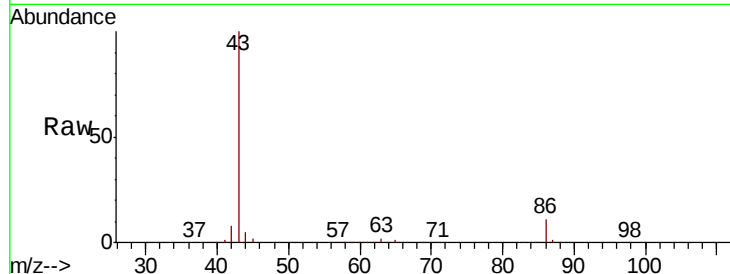




#23
 Vinyl Acetate
 Concen: 95.020 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN055704.D
 Acq: 21 May 2019 13:05

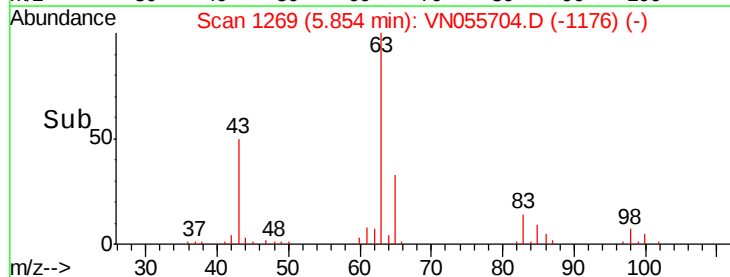
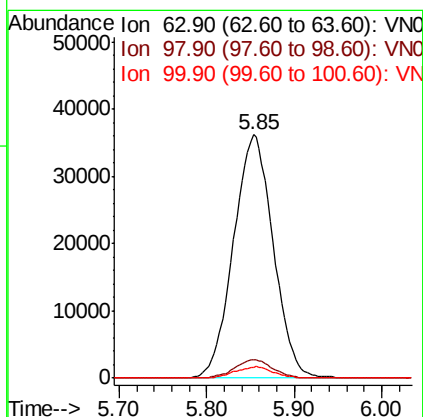
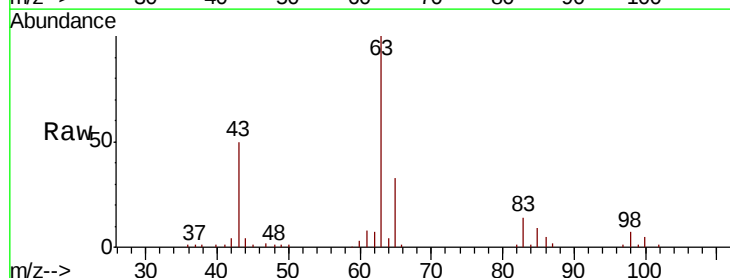
Instrument :
 MSVOA_N
 ClientSampled :

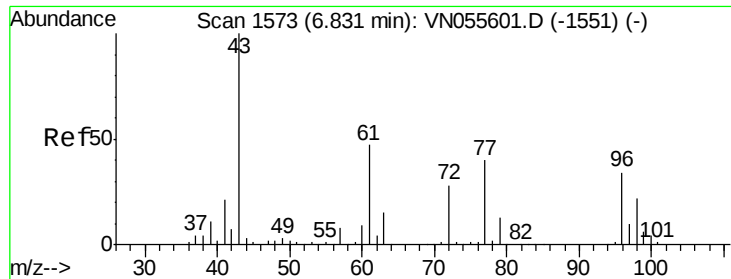
Tot Ion: 43 Resp: 797912
 Ion Ratio Lower Upper
 43 100
 86 11.5 8.7 13.1



#24
 1,1-Dichloroethane
 Concen: 19.642 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VN055704.D
 Acq: 21 May 2019 13:05

Tgt Ion: 63 Resp: 113976
 Ion Ratio Lower Upper
 63 100
 98 7.5 3.4 10.2
 100 4.6 2.2 6.6





#25

2-Butanone

Concen: 96.705 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN055704.D

Acq: 21 May 2019 13:05

Instrument :

MSVOA_N

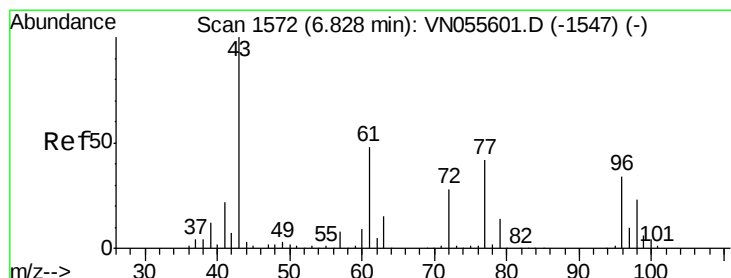
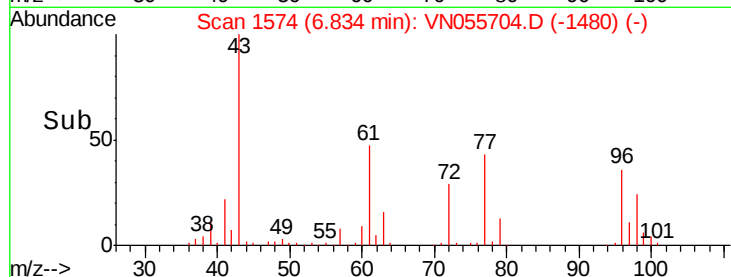
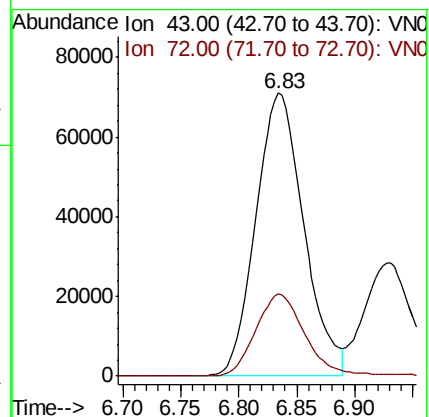
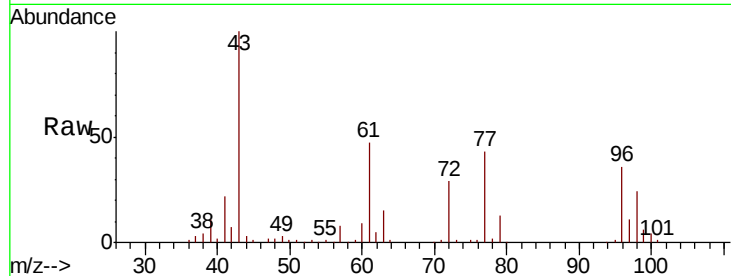
ClientSampled :

Tot Ion: 43 Resp: 204904

Ion Ratio Lower Upper

43 100

72 29.1 22.3 33.5



#26

2,2-Dichloropropane

Concen: 19.503 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN055704.D

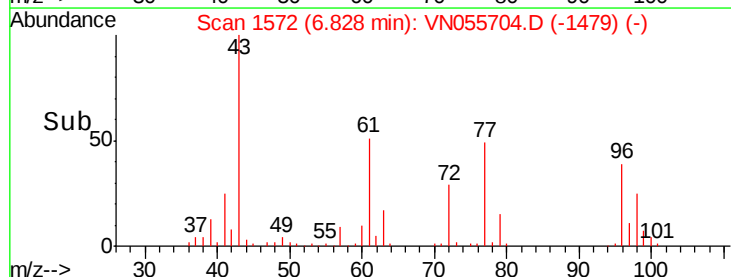
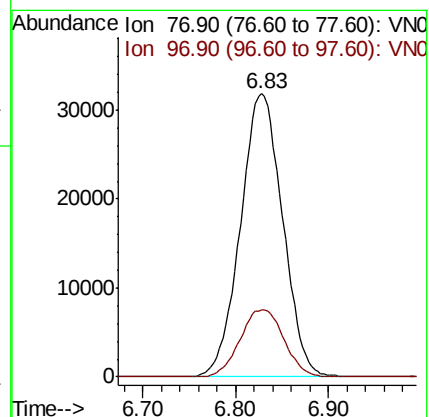
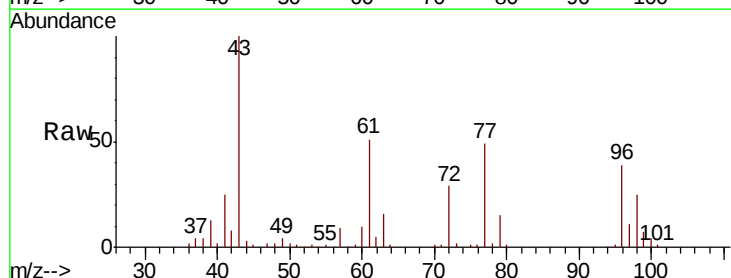
Acq: 21 May 2019 13:05

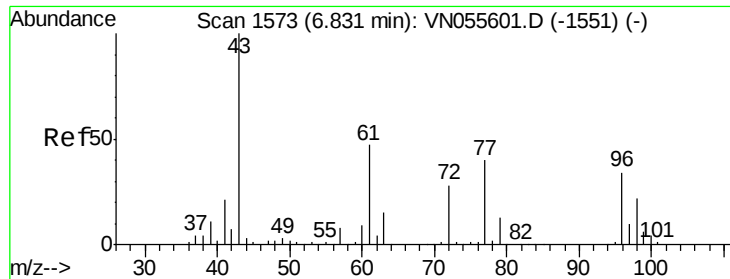
Tgt Ion: 77 Resp: 100442

Ion Ratio Lower Upper

77 100

97 24.6 12.0 36.0





#27

cis-1,2-Dichloroethene

Concen: 20.199 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN055704.D

Acq: 21 May 2019 13:05

Instrument :
MSVOA_N
ClientSampled :

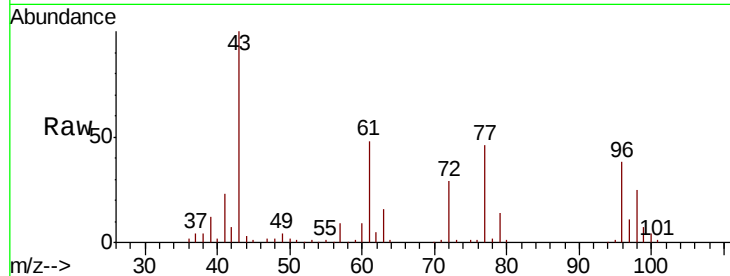
Tot Ion: 96 Resp: 77513

Ion Ratio Lower Upper

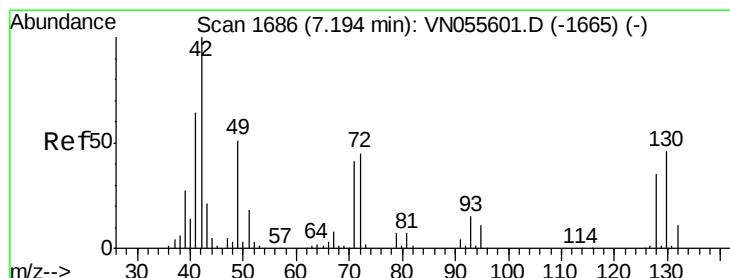
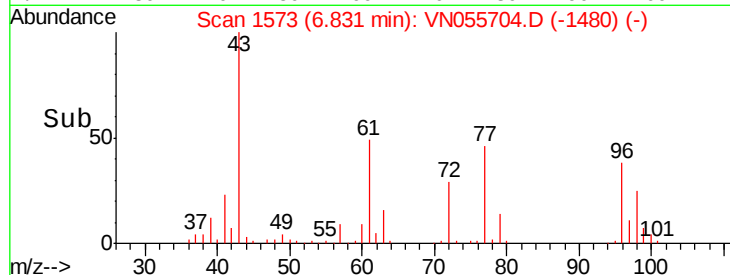
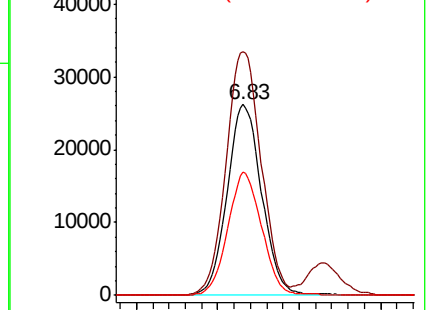
96 100

61 130.1 0.0 279.0

98 63.1 0.0 131.6



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



#28

Bromochloromethane

Concen: 17.206 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN055704.D

Acq: 21 May 2019 13:05

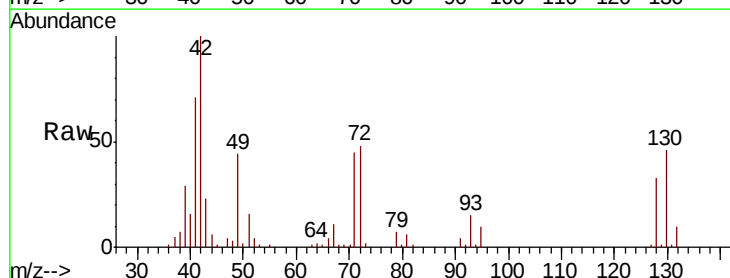
Tgt Ion: 49 Resp: 43437

Ion Ratio Lower Upper

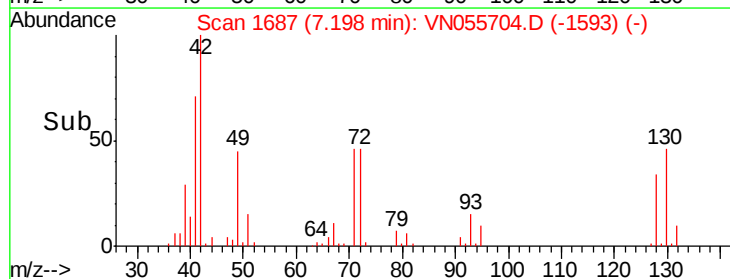
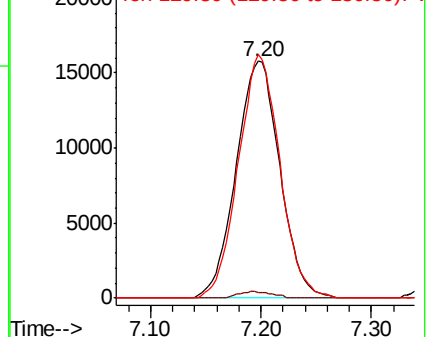
49 100

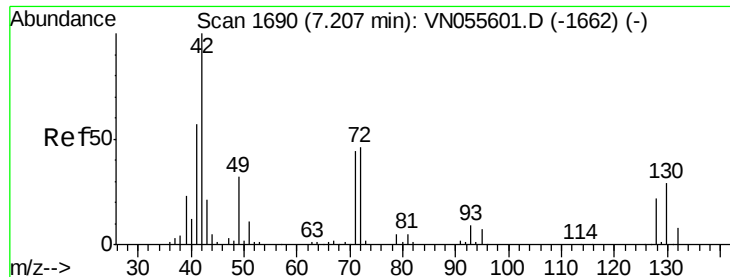
129 2.1 0.0 4.4

130 97.5 71.0 106.6



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

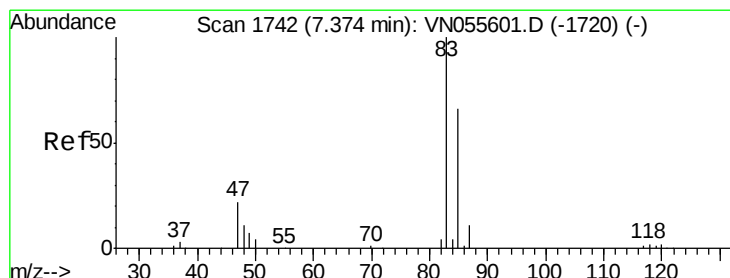
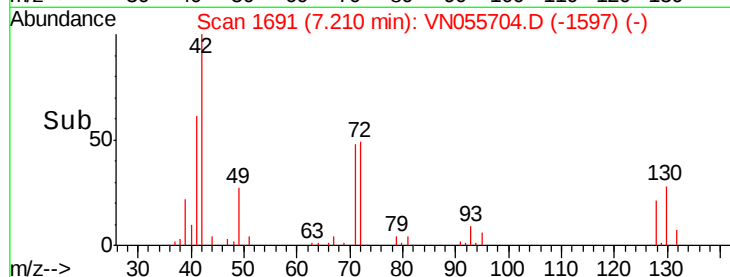
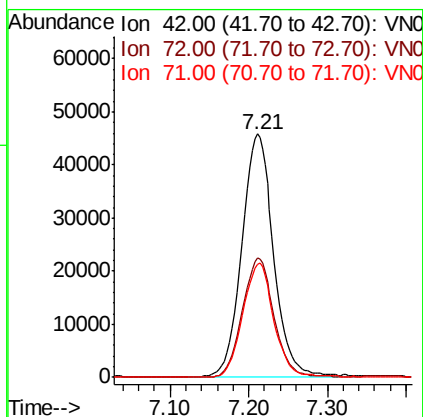
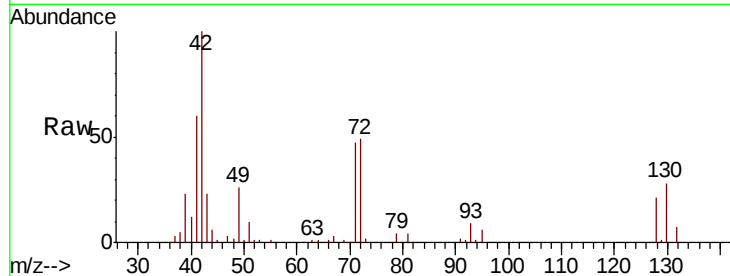




#29
Tetrahydrofuran
Concen: 92.868 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN055704.D
Acq: 21 May 2019 13:05

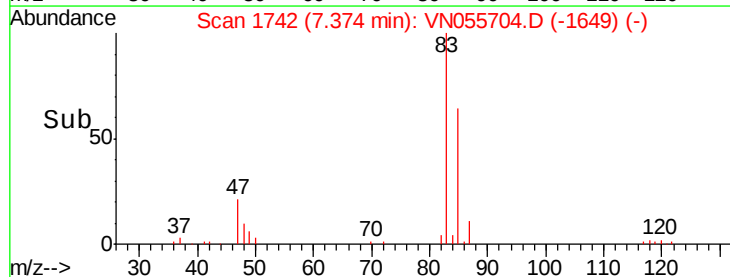
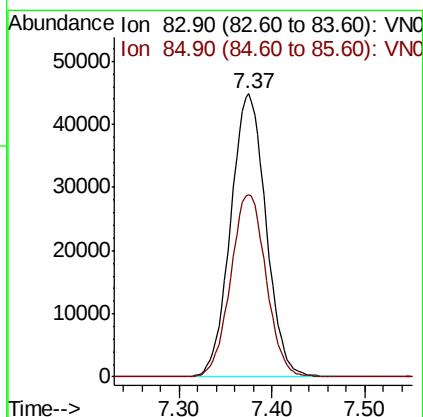
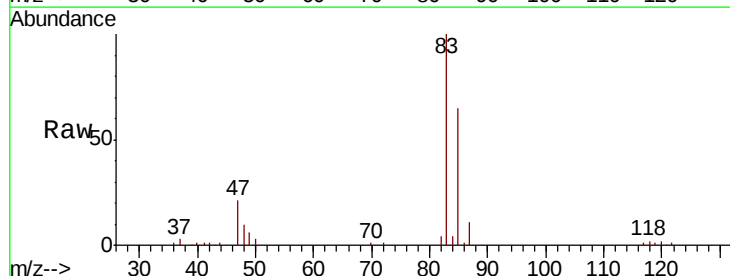
Instrument :
MSVOA_N
ClientSampled :

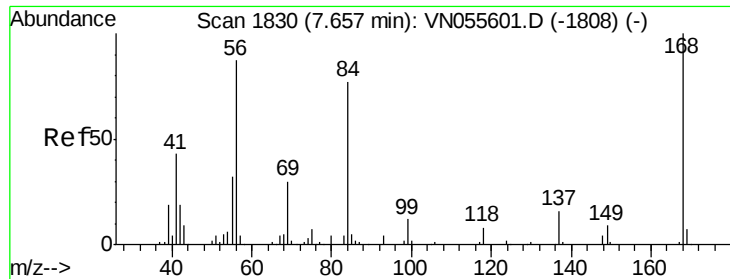
Tot Ion: 42 Resp: 130364
Ion Ratio Lower Upper
42 100
72 48.8 36.5 54.7
71 45.9 34.9 52.3



#30
Chloroform
Concen: 19.865 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN055704.D
Acq: 21 May 2019 13:05

Tgt Ion: 83 Resp: 118322
Ion Ratio Lower Upper
83 100
85 64.6 52.6 78.8

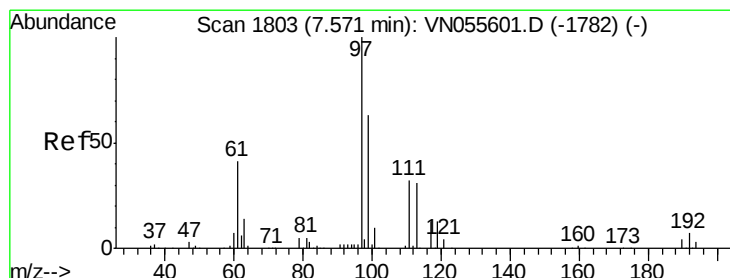
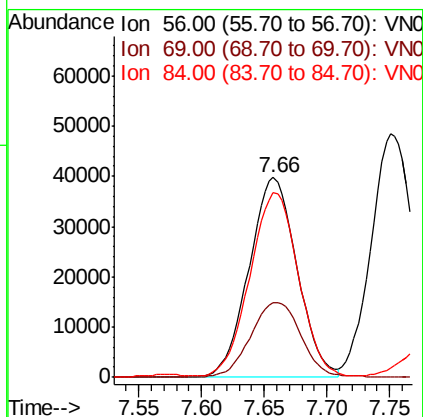
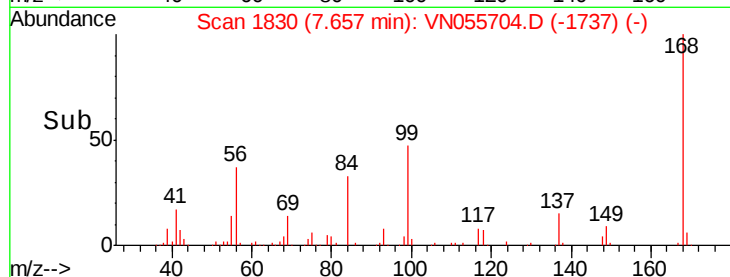
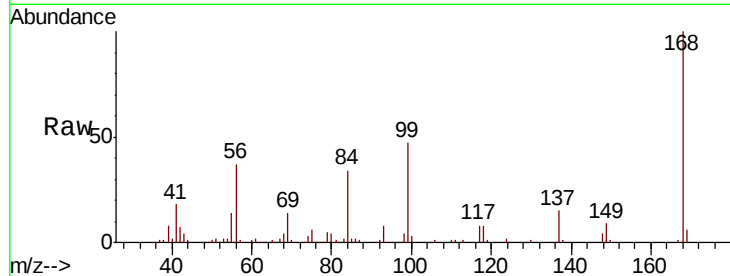




#31
Cyclohexane
Concen: 19.247 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. -0.00 min
Lab File: VN055704.D
Acq: 21 May 2019 13:05

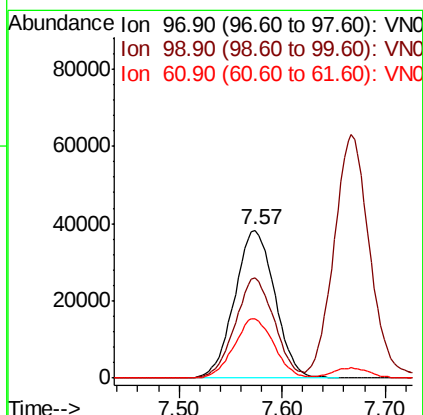
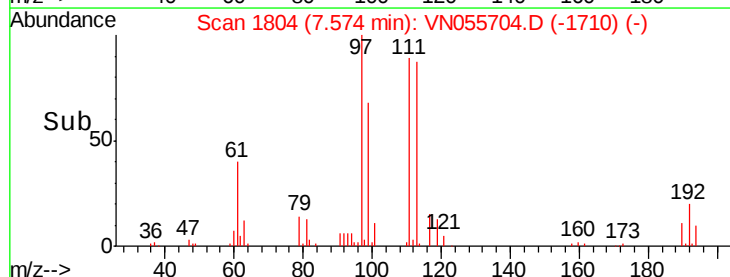
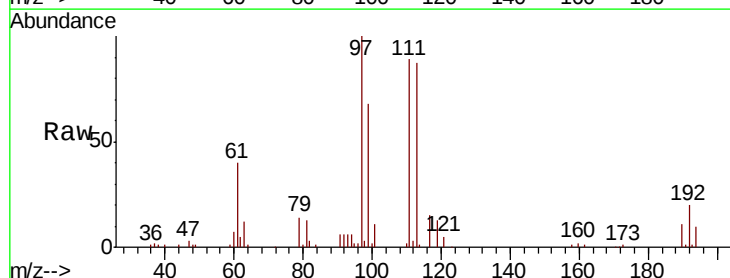
Instrument :
MSVOA_N
ClientSampleId :

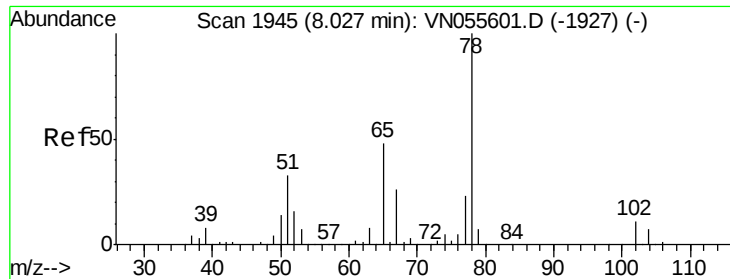
Tot Ion: 56 Resp: 105999
Ion Ratio Lower Upper
56 100
69 37.2 27.2 40.8
84 91.5 71.3 106.9



#32
1,1,1-Trichloroethane
Concen: 19.442 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN055704.D
Acq: 21 May 2019 13:05

Tgt Ion: 97 Resp: 103868
Ion Ratio Lower Upper
97 100
99 66.2 51.4 77.2
61 39.8 32.9 49.3

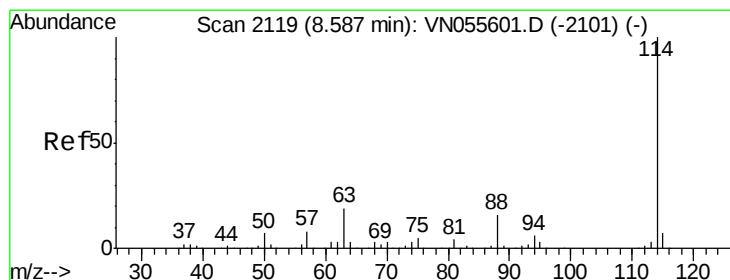
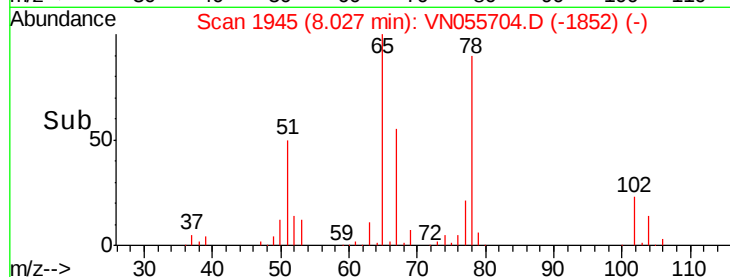
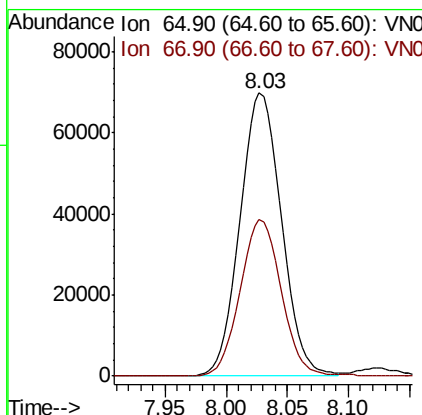
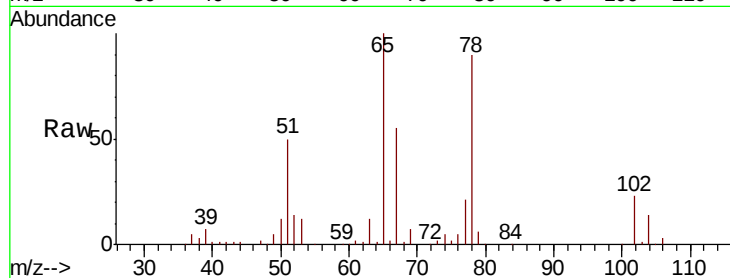




#33
 1,2-Dichloroethane-d4
 Concen: 44.299 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN055704.D
 Acq: 21 May 2019 13:05

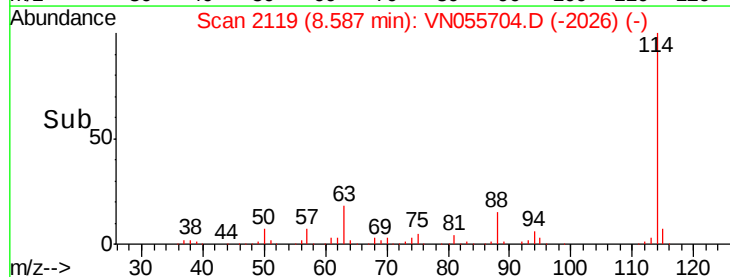
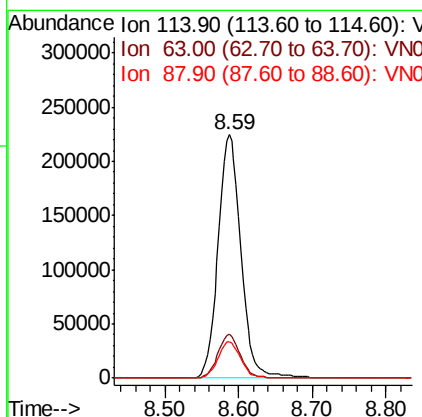
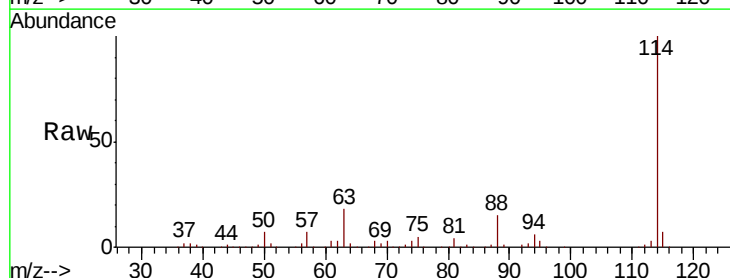
Instrument :
 MSVOA_N
 ClientSampleId :

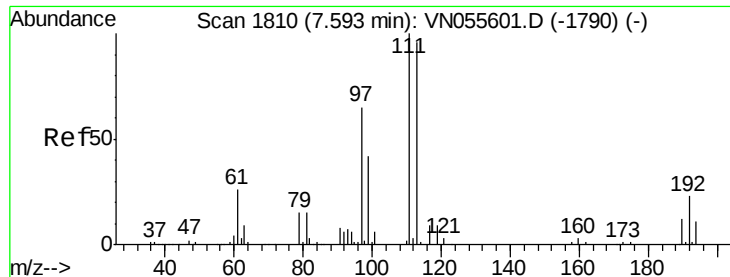
Tot Ion: 65 Resp: 164498
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN055704.D
 Acq: 21 May 2019 13:05

Tgt Ion: 114 Resp: 481963
 Ion Ratio Lower Upper
 114 100
 63 17.9 0.0 38.2
 88 14.9 0.0 31.0

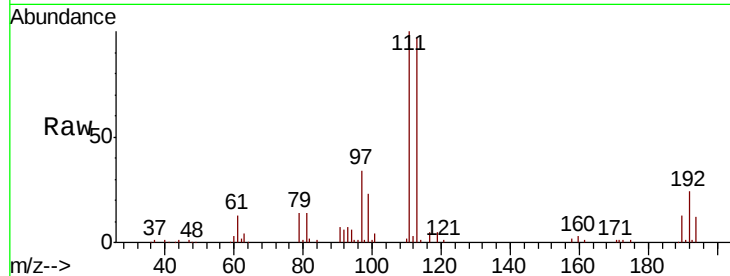




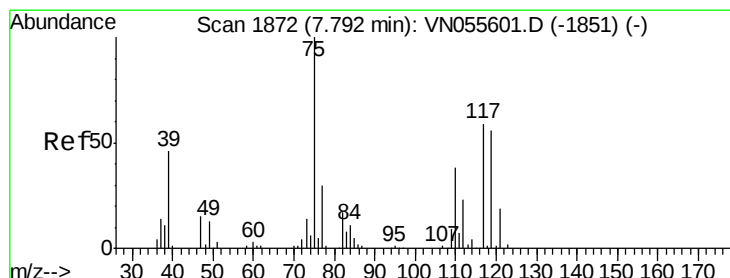
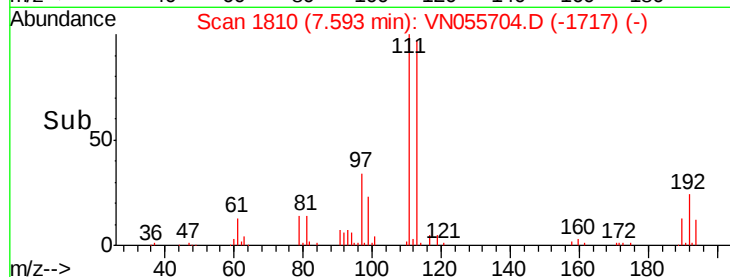
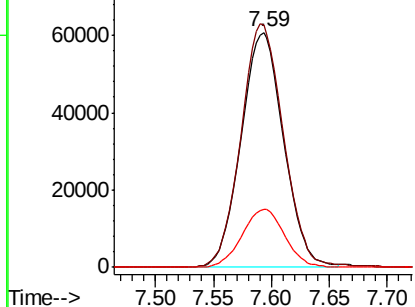
#35
 Dibromofluoromethane
 Concen: 50.570 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN055704.D
 Acq: 21 May 2019 13:05

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:113 Resp: 154827
 Ion Ratio Lower Upper
 113 100
 111 104.1 82.5 123.7
 192 24.7 18.7 28.1

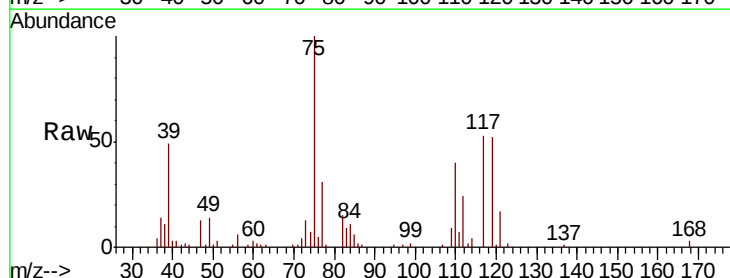


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

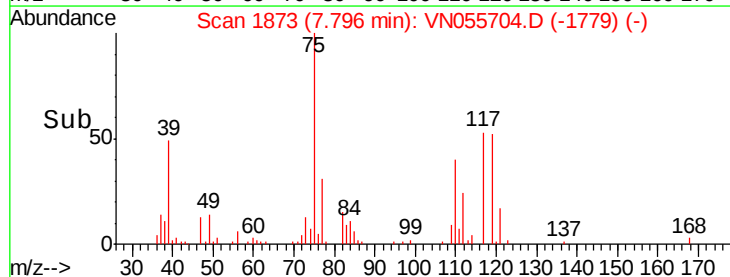
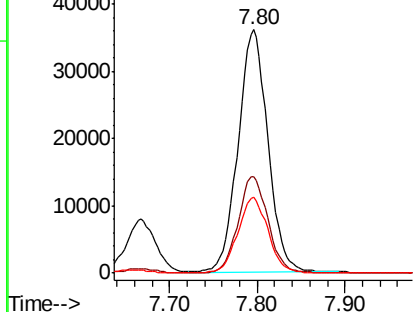


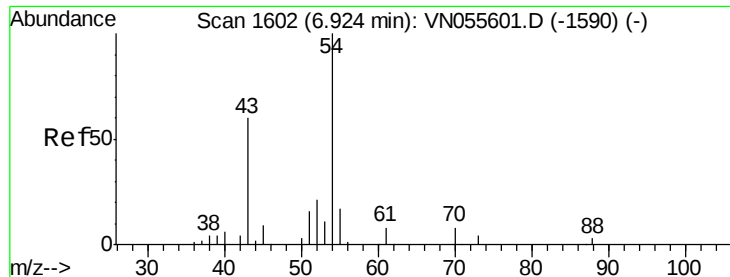
#36
 1,1-Dichloropropene
 Concen: 19.917 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN055704.D
 Acq: 21 May 2019 13:05

Tgt Ion: 75 Resp: 85582
 Ion Ratio Lower Upper
 75 100
 110 39.8 18.6 55.6
 77 31.5 24.9 37.3



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

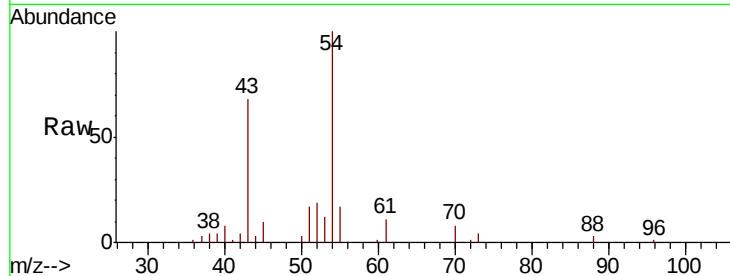




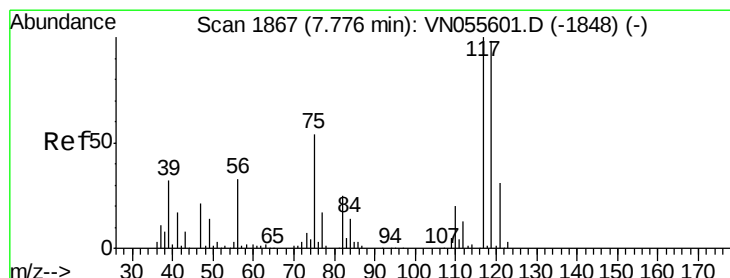
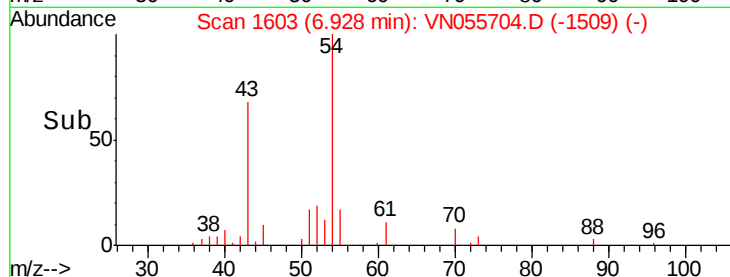
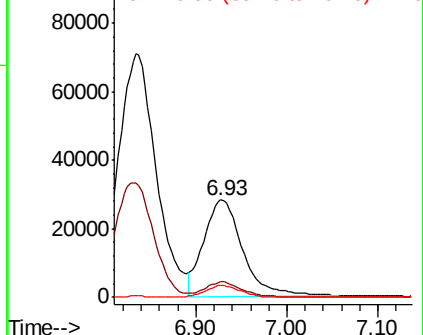
#37
Ethyl Acetate
Concen: 21.353 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN055704.D
Acq: 21 May 2019 13:05

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 82798
Ion Ratio Lower Upper
43 100
61 15.2 11.4 17.0
70 11.4 9.2 13.8

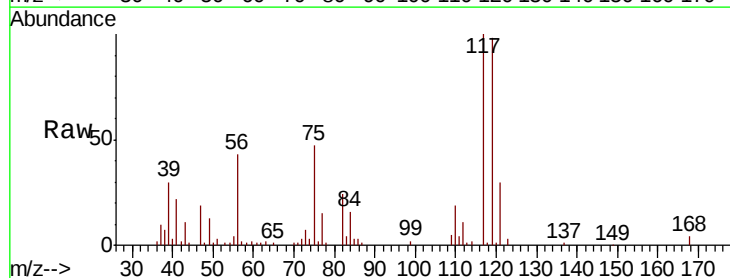


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

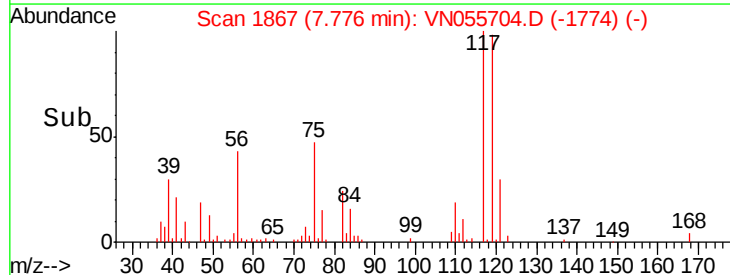
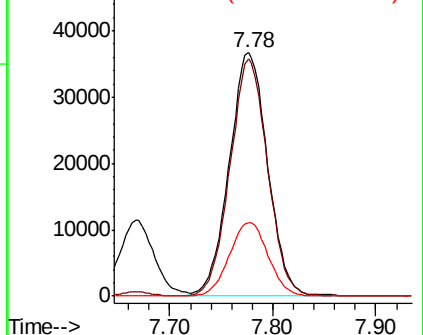


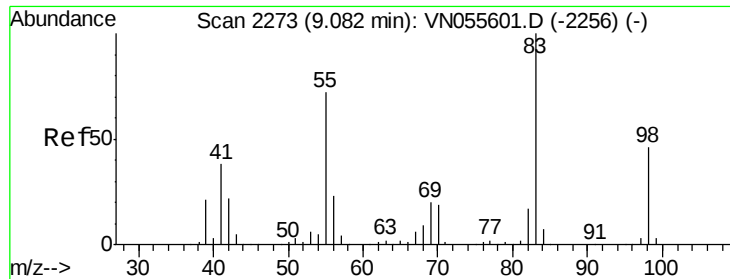
#38
Carbon Tetrachloride
Concen: 20.733 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN055704.D
Acq: 21 May 2019 13:05

Tgt Ion: 117 Resp: 95200
Ion Ratio Lower Upper
117 100
119 97.5 77.8 116.8
121 30.1 24.6 37.0



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

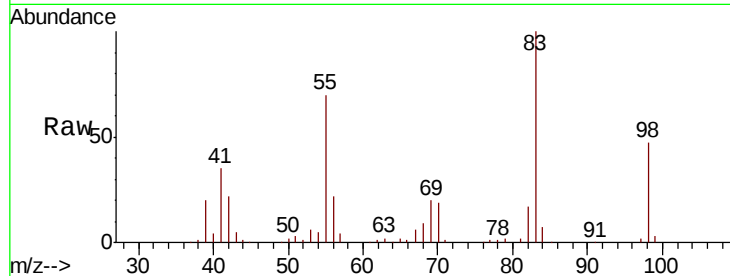




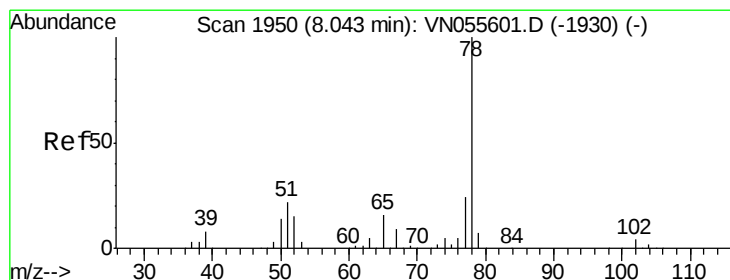
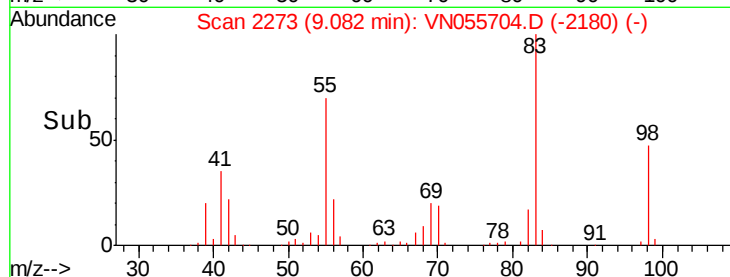
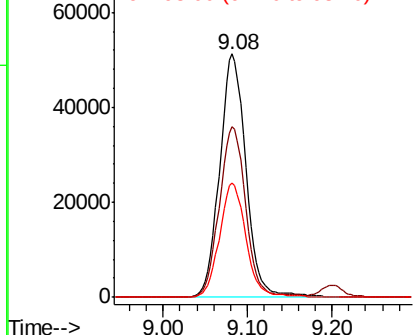
#39
Methvlcvclohexane
Concen: 21.432 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN055704.D
Acq: 21 May 2019 13:05

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 111016
Ion Ratio Lower Upper
83 100
55 69.9 57.8 86.6
98 47.0 36.7 55.1

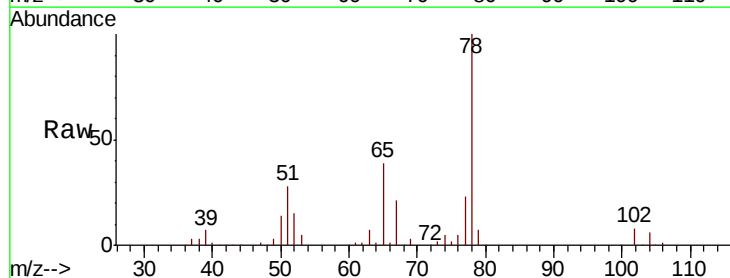


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

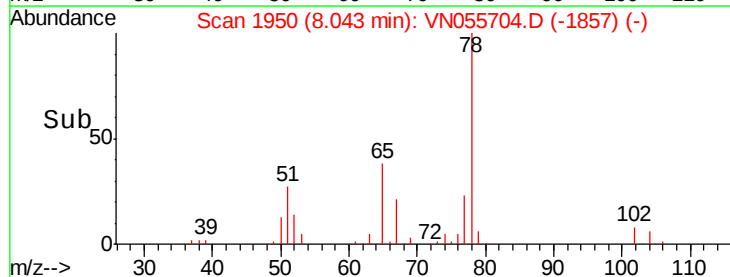
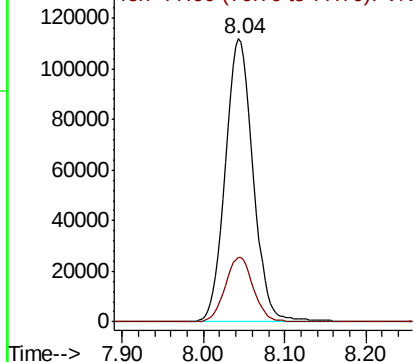


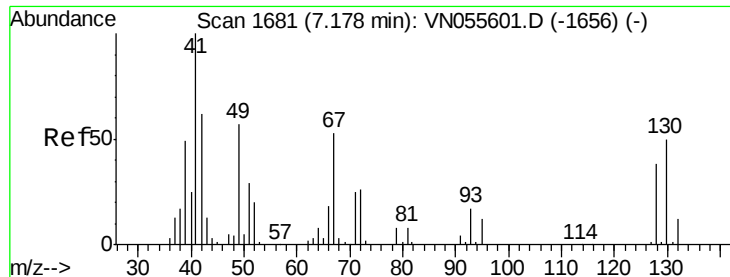
#40
Benzene
Concen: 21.287 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN055704.D
Acq: 21 May 2019 13:05

Tgt Ion: 78 Resp: 269036
Ion Ratio Lower Upper
78 100
77 22.7 18.9 28.3



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

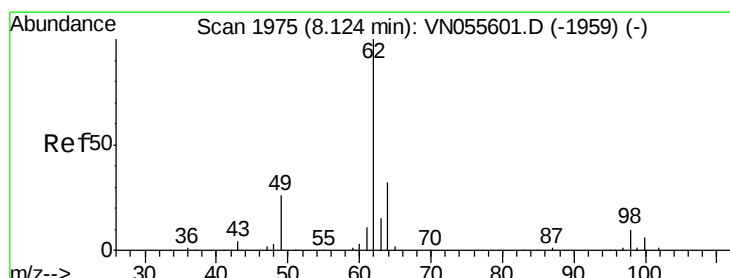
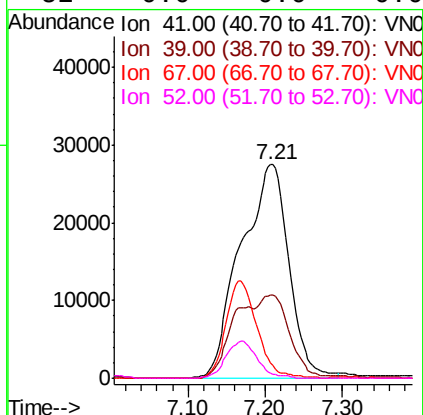
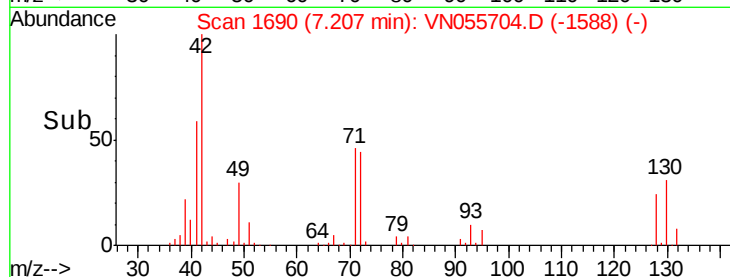
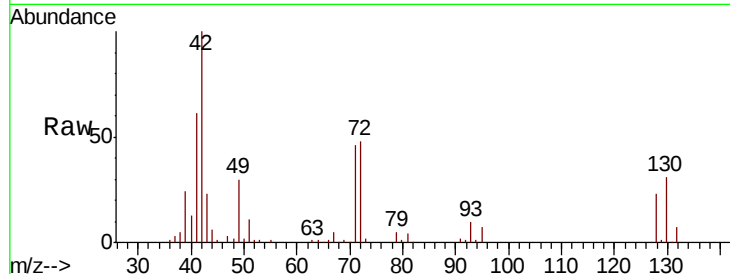




#41
Methacrylonitrile
Concen: 71.633 ug/l
RT: 7.21 min Scan# 1690
Delta R.T. 0.03 min
Lab File: VN055704.D
Acq: 21 May 2019 13:05

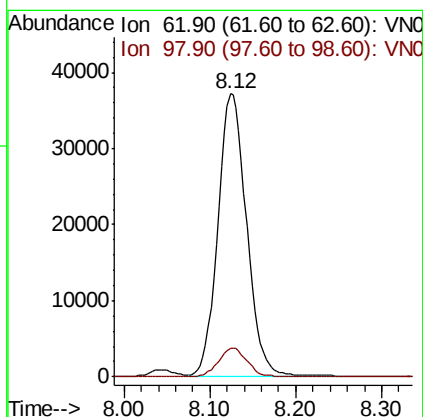
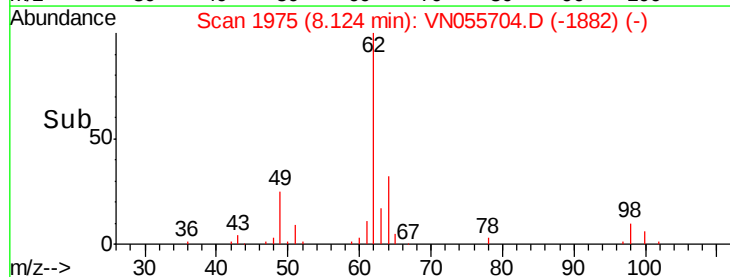
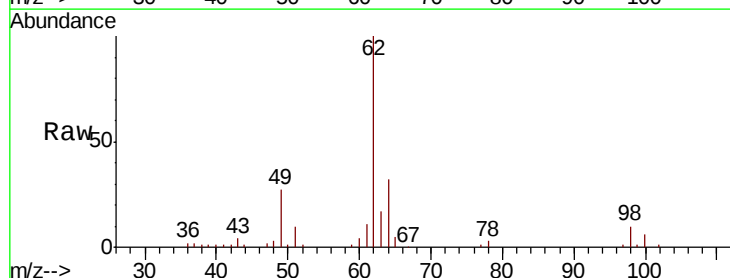
Instrument :
MSVOA_N
ClientSampled :

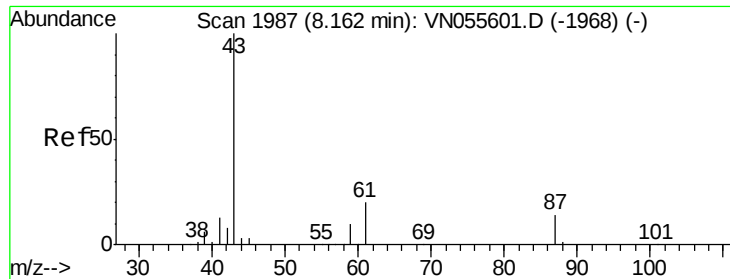
Tot Ion:	41	Resp:	118752
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 21.236 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN055704.D
Acq: 21 May 2019 13:05

Tgt Ion:	62	Resp:	86911
Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	20.2





#43

Isopropyl Acetate

Concen: 20.203 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN055704.D

Acq: 21 May 2019 13:05

Instrument :

MSVOA_N

ClientSampleId :

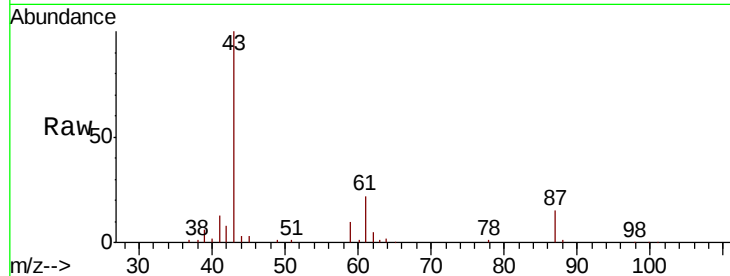
Tot Ion: 43 Resp: 136266

Ion Ratio Lower Upper

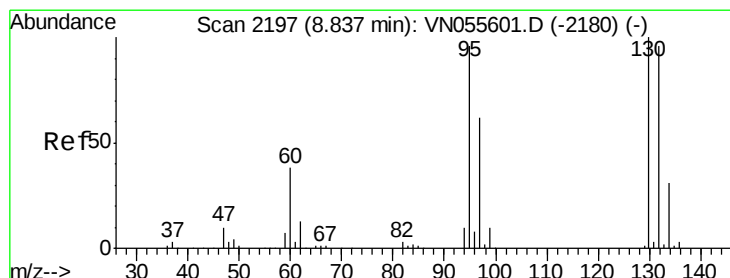
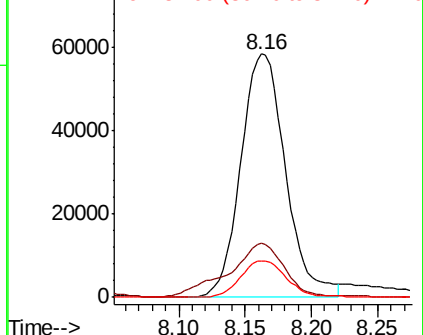
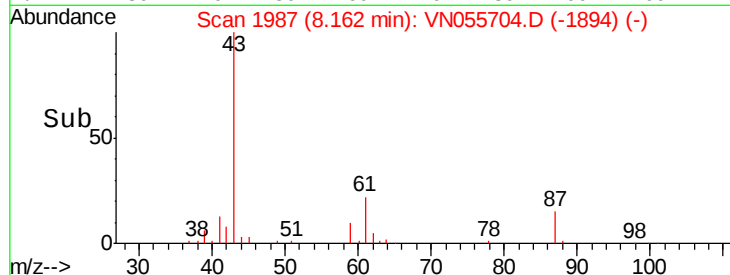
43 100

61 28.7 22.1 33.1

87 15.6 11.8 17.6



Abundance Ion 43.00 (42.70 to 43.70): VN055704.D (-1894) (-)



#44

Trichloroethene

Concen: 22.122 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VN055704.D

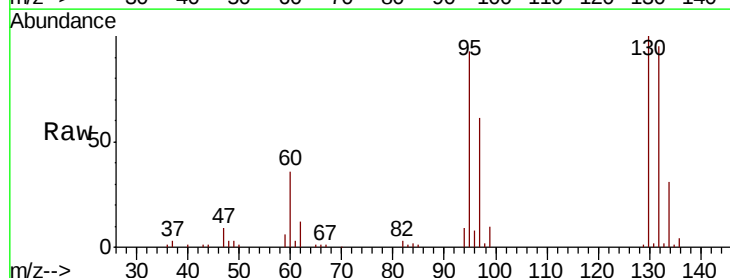
Acq: 21 May 2019 13:05

Tgt Ion:130 Resp: 78893

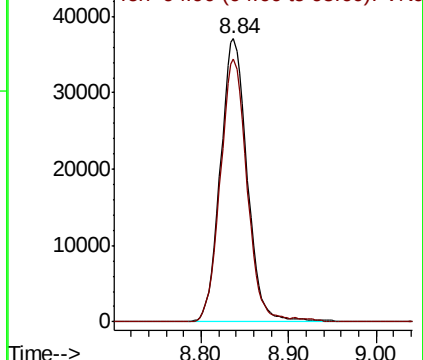
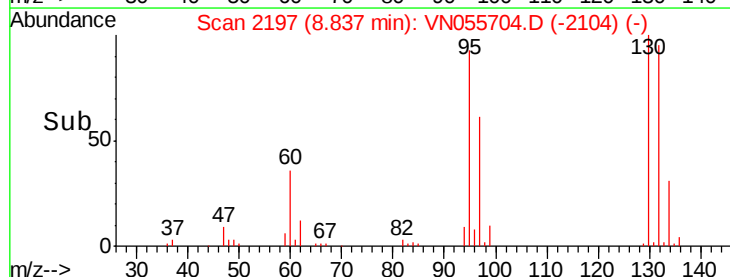
Ion Ratio Lower Upper

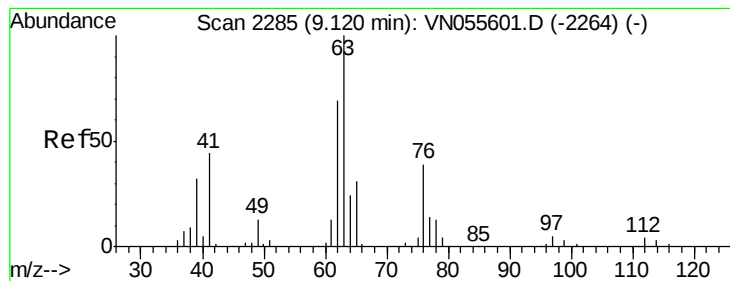
130 100

95 93.0 0.0 191.0



Abundance Ion 129.80 (129.50 to 130.50): VN055704.D (-2104) (-)





#45

1,2-Dichloropropane

Concen: 20.920 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN055704.D

Acq: 21 May 2019 13:05

Instrument :

MSVOA_N

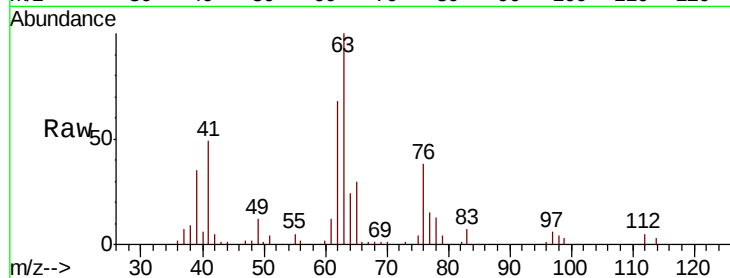
ClientSampleId :

Tot Ion: 63 Resp: 69653

Ion Ratio Lower Upper

63 100

65 29.5 25.2 37.8



Abundance Ion 62.90 (62.60 to 63.60): VN055704.D (-2192) (-)

Ion 64.90 (64.60 to 65.60): VN055704.D (-2192) (-)

9.12

30000

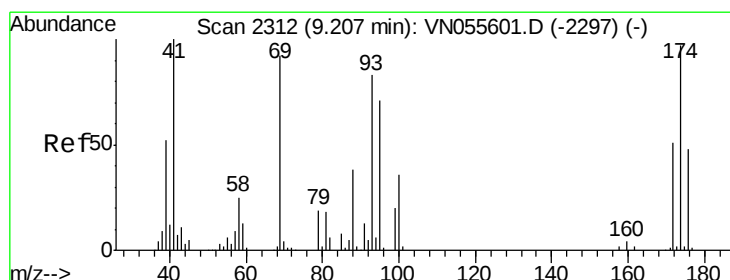
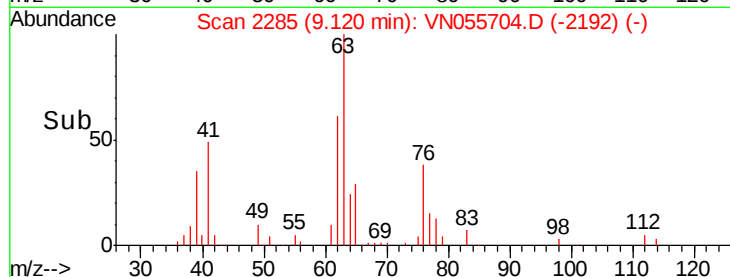
20000

10000

0

Time-->

9.00 9.10 9.20



#46

Dibromomethane

Concen: 21.303 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN055704.D

Acq: 21 May 2019 13:05

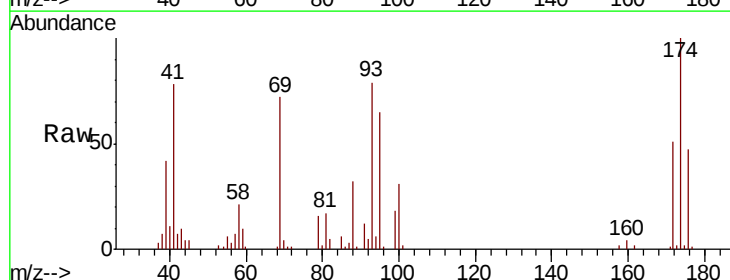
Tgt Ion: 93 Resp: 46424

Ion Ratio Lower Upper

93 100

95 83.5 67.9 101.9

174 125.9 93.8 140.6



Abundance Ion 92.80 (92.50 to 93.50): VN055704.D (-2219) (-)

Ion 94.80 (94.50 to 95.50): VN055704.D (-2219) (-)

Ion 173.70 (173.40 to 174.40): VN055704.D (-2219) (-)

9.21

30000

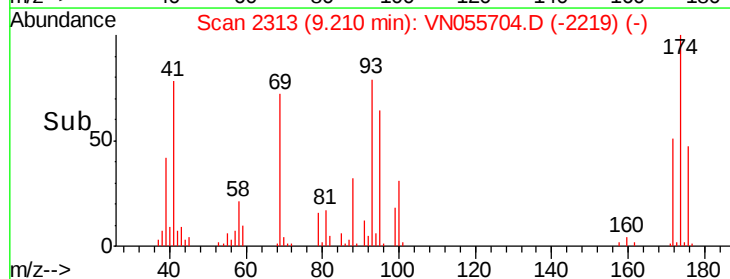
20000

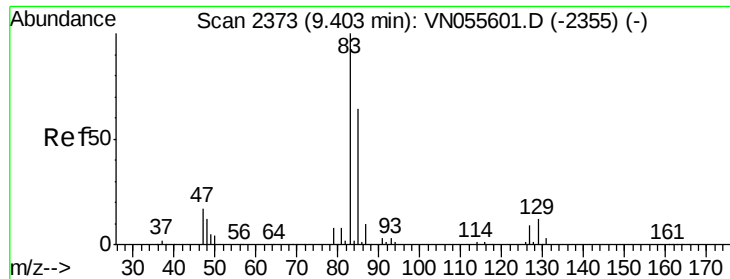
10000

0

Time-->

9.10 9.20 9.30





#47

Bromodichloromethane

Concen: 20.696 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN055704.D

Acq: 21 May 2019 13:05

Instrument :

MSVOA_N

ClientSampleId :

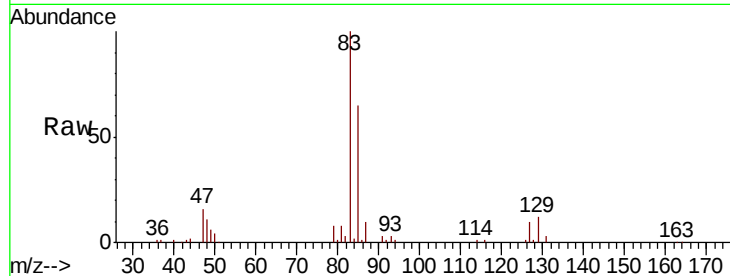
Tot Ion: 83 Resp: 94526

Ion Ratio Lower Upper

83 100

85 64.9 51.4 77.0

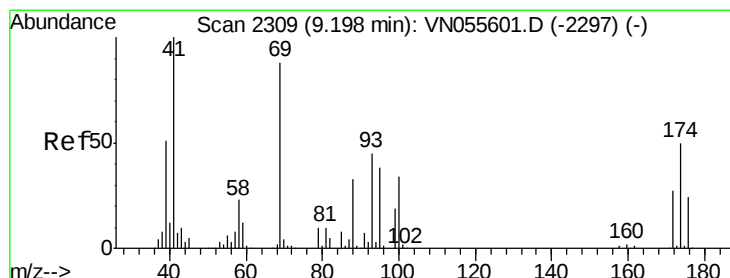
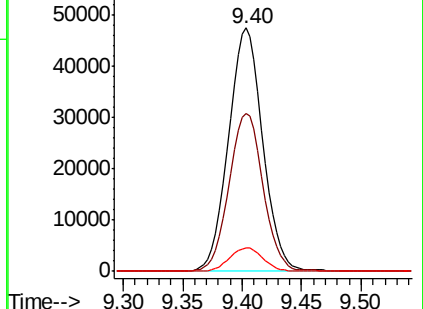
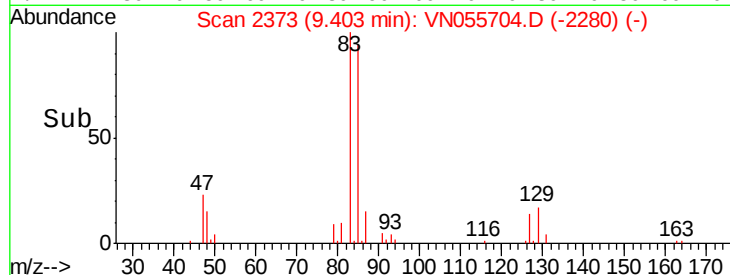
127 9.6 7.1 10.7



Abundance Ion 82.90 (82.60 to 83.60): VN055704.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN055704.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN055704.D (-2280) (-)



#48

Methyl methacrylate

Concen: 19.751 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055704.D

Acq: 21 May 2019 13:05

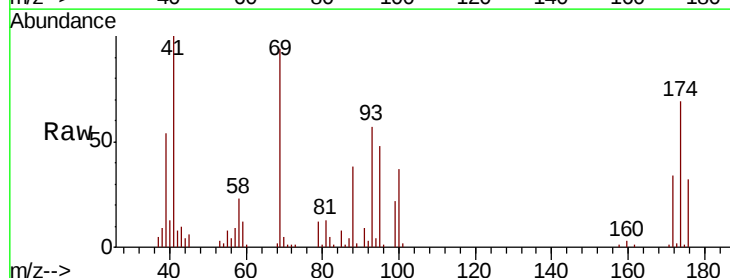
Tgt Ion: 41 Resp: 59546

Ion Ratio Lower Upper

41 100

69 99.6 74.2 111.2

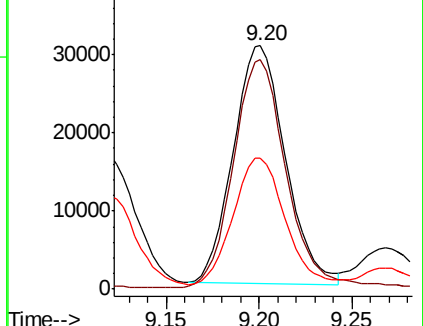
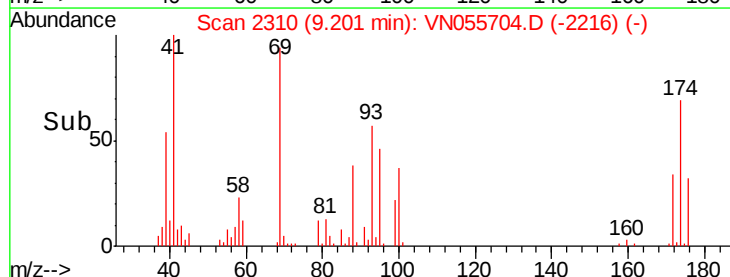
39 56.2 43.8 65.8

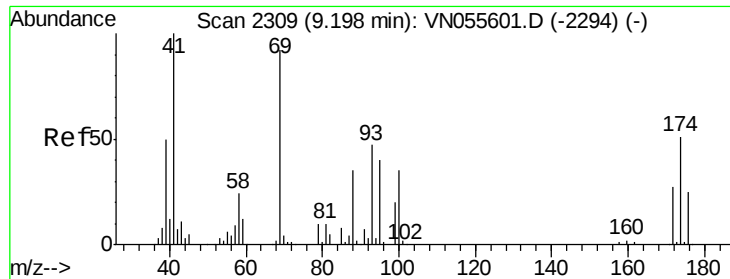


Abundance Ion 41.00 (40.70 to 41.70): VN055704.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN055704.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN055704.D (-2216) (-)

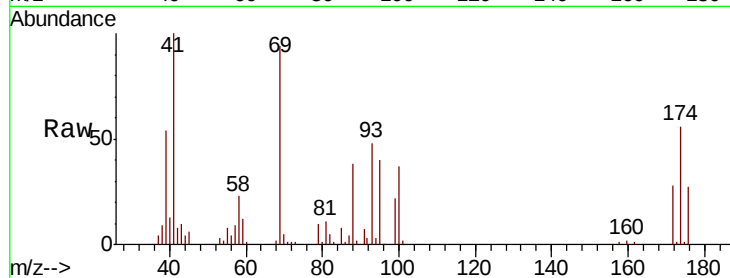




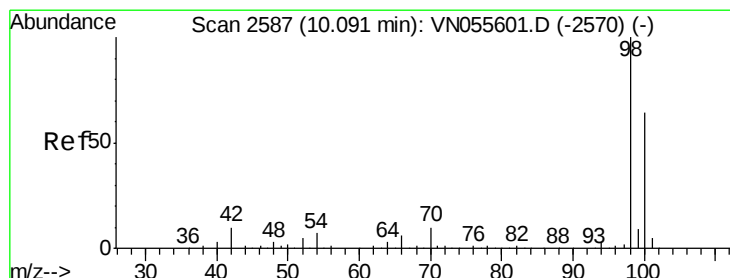
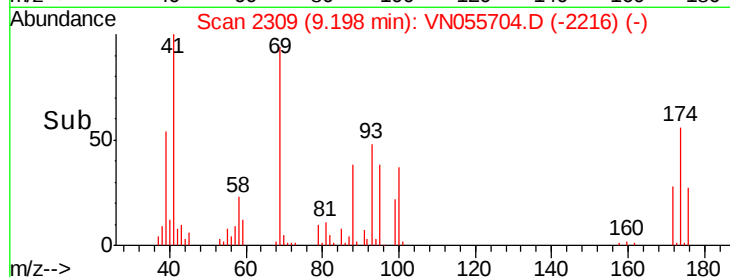
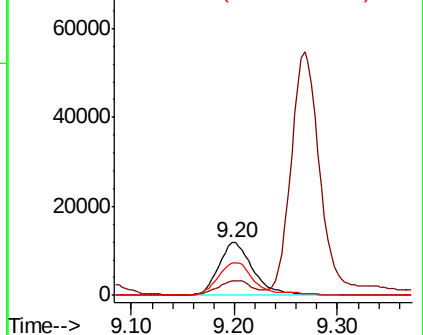
#49
1,4-Dioxane
Concen: 465.268 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN055704.D
Acq: 21 May 2019 13:05

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 88 Resp: 27872
Ion Ratio Lower Upper
88 100
43 24.9 22.4 33.6
58 62.2 53.4 80.2

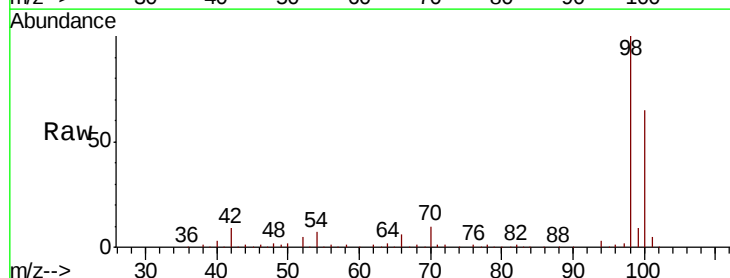


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

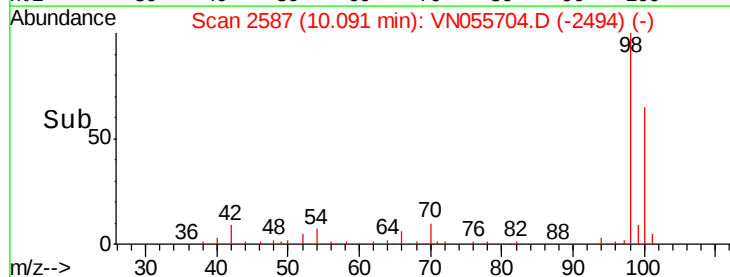
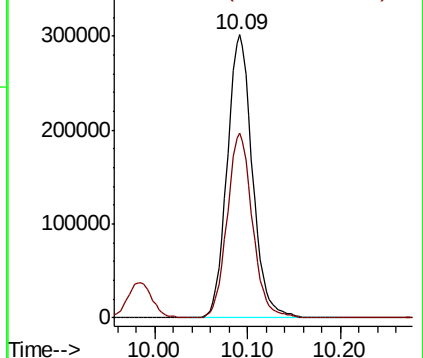


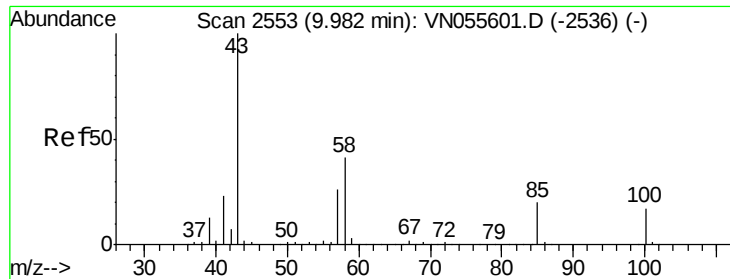
#50
Toluene-d8
Concen: 49.127 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN055704.D
Acq: 21 May 2019 13:05

Tgt Ion: 98 Resp: 568719
Ion Ratio Lower Upper
98 100
100 65.4 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: 101.340 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN055704.D

Acq: 21 May 2019 13:05

Instrument :

MSVOA_N

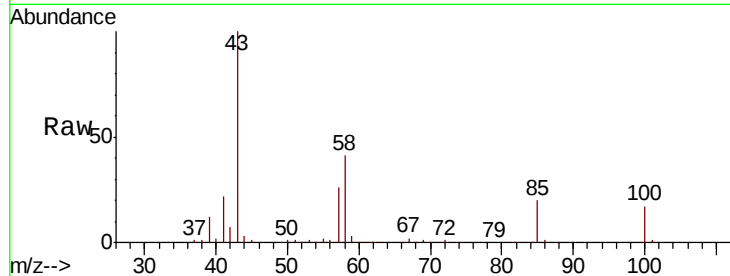
ClientSampled :

Tot Ion: 43 Resp: 400945

Ion Ratio Lower Upper

43 100

58 41.3 32.7 49.1



Abundance Ion 43.00 (42.70 to 43.70): VN055601.D (-2536) (-)

Ion 58.00 (57.70 to 58.70): VN055601.D (-2536) (-)

9.98

250000

200000

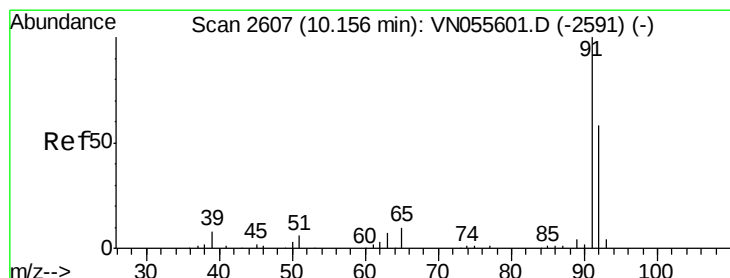
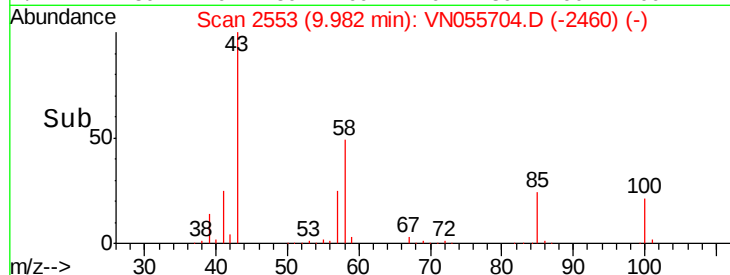
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 21.258 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN055704.D

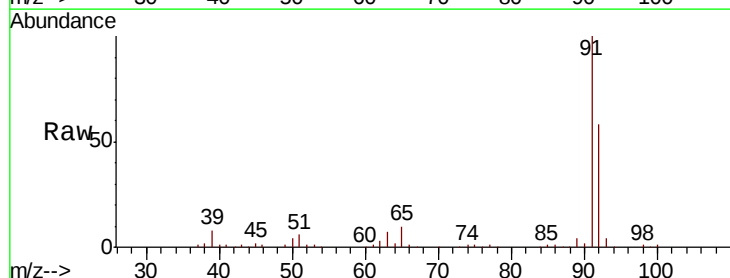
Acq: 21 May 2019 13:05

Tgt Ion: 92 Resp: 168517

Ion Ratio Lower Upper

92 100

91 173.4 138.9 208.3



Abundance Ion 92.00 (91.70 to 92.70): VN055601.D (-2591) (-)

Ion 91.00 (90.70 to 91.70): VN055601.D (-2591) (-)

10.16

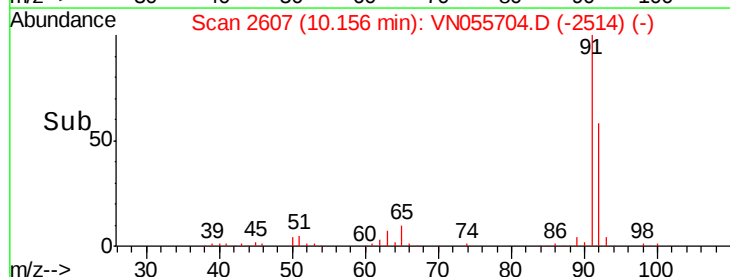
150000

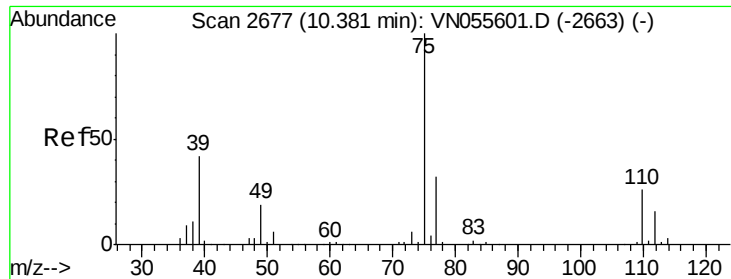
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 20.020 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN055704.D

Acq: 21 May 2019 13:05

Instrument :

MSVOA_N

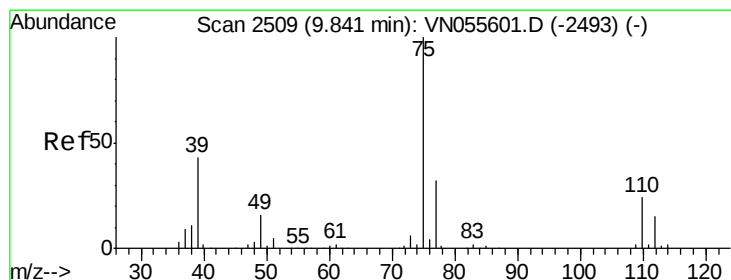
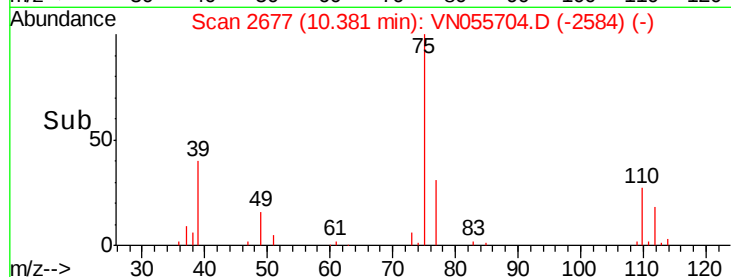
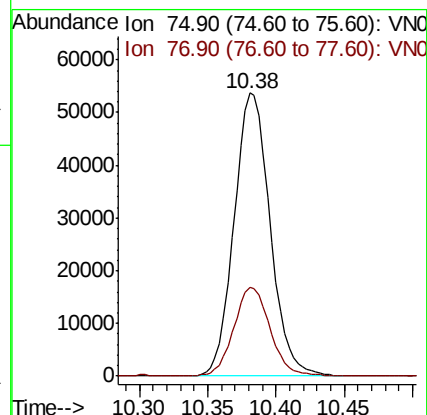
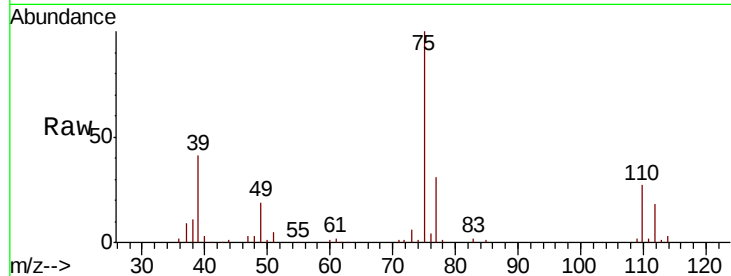
ClientSampleId :

Tot Ion: 75 Resp: 98413

Ion Ratio Lower Upper

75 100

77 30.9 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 20.620 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN055704.D

Acq: 21 May 2019 13:05

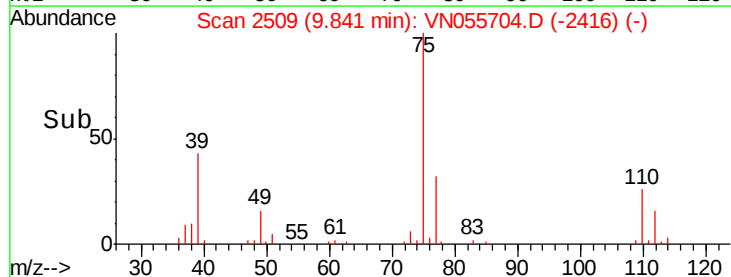
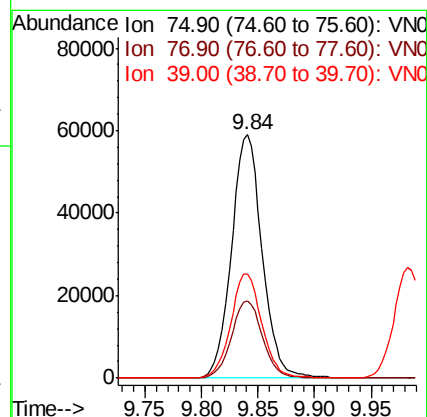
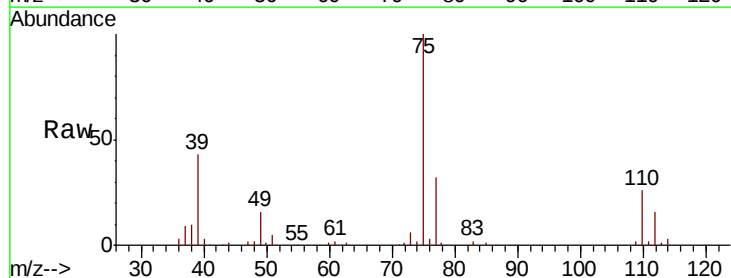
Tgt Ion: 75 Resp: 111041

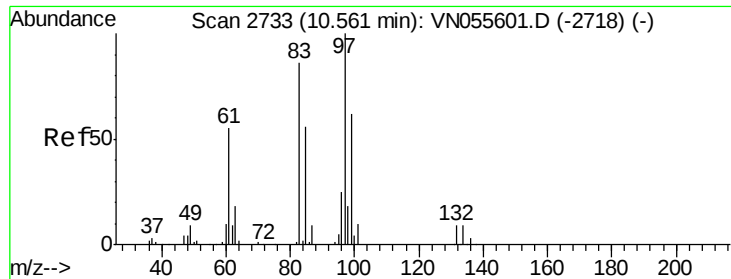
Ion Ratio Lower Upper

75 100

77 31.6 25.7 38.5

39 42.9 34.7 52.1





#55

1,1,2-Trichloroethane

Concen: 21.332 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN055704.D

Acq: 21 May 2019 13:05

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 69617

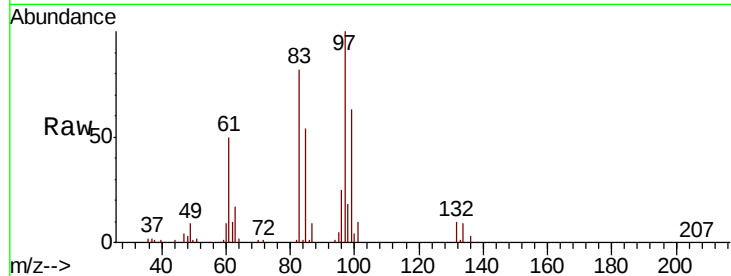
Ion	Ratio	Lower	Upper
97	100		
83	81.8	68.4	102.6
85	54.1	44.8	67.2
99	62.6	49.9	74.9

97 100

83 81.8 68.4 102.6

85 54.1 44.8 67.2

99 62.6 49.9 74.9



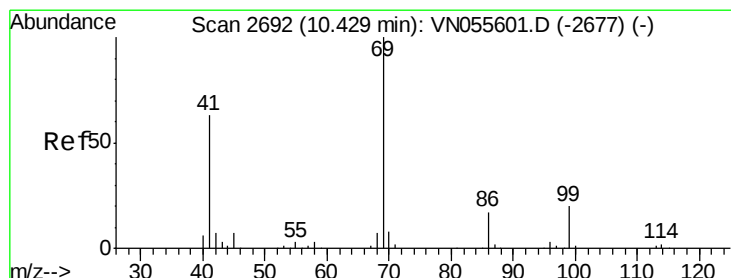
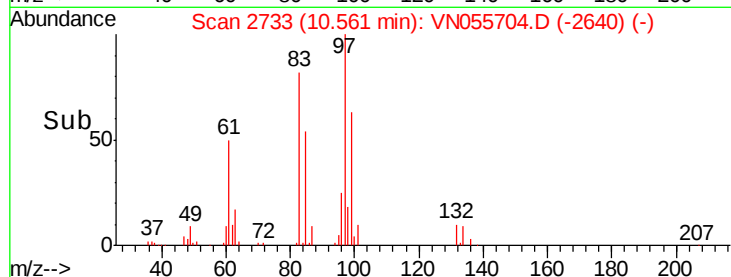
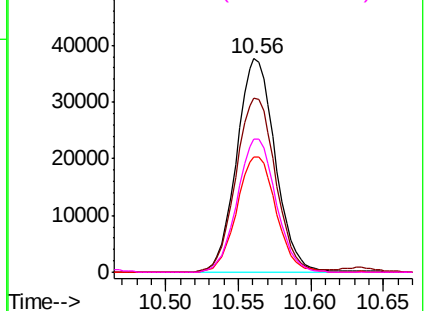
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56

Ethyl methacrylate

Concen: 19.848 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN055704.D

Acq: 21 May 2019 13:05

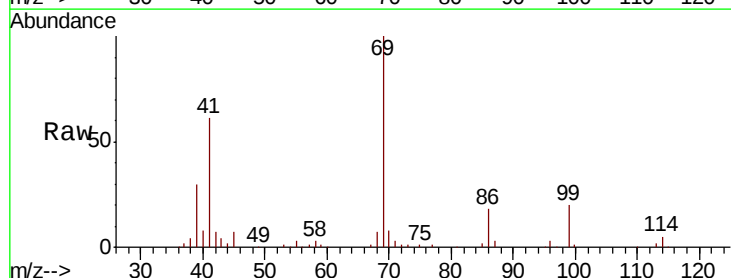
Tgt Ion: 69 Resp: 101113

Ion	Ratio	Lower	Upper
69	100		
41	59.9	50.3	75.5
39	30.4	25.4	38.2

69 100

41 59.9 50.3 75.5

39 30.4 25.4 38.2

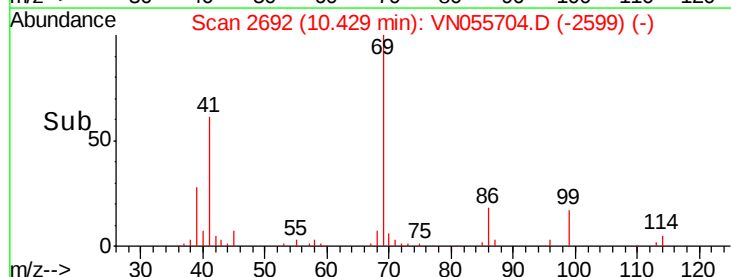
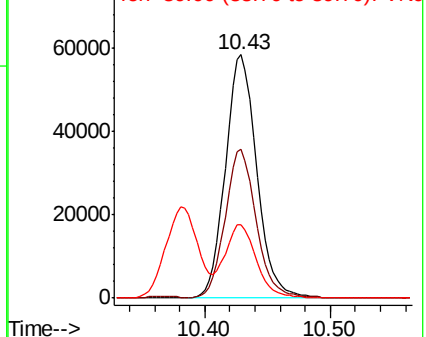


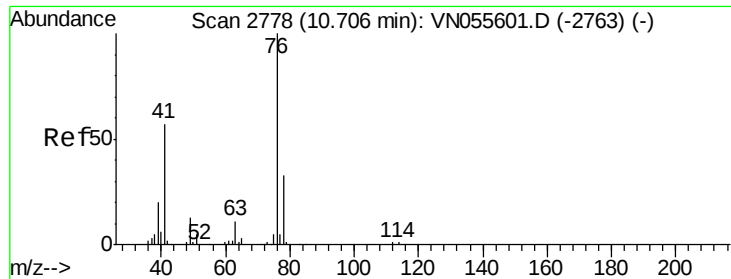
Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 21.041 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN055704.D

Acq: 21 May 2019 13:05

Instrument :

MSVOA_N

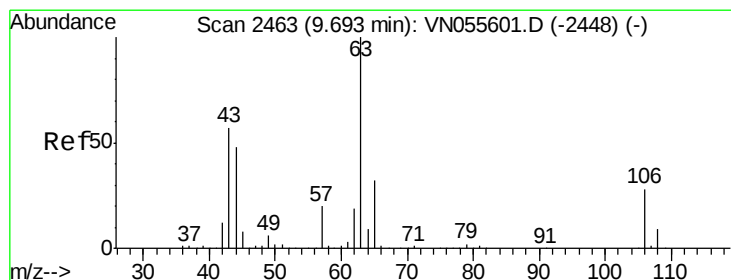
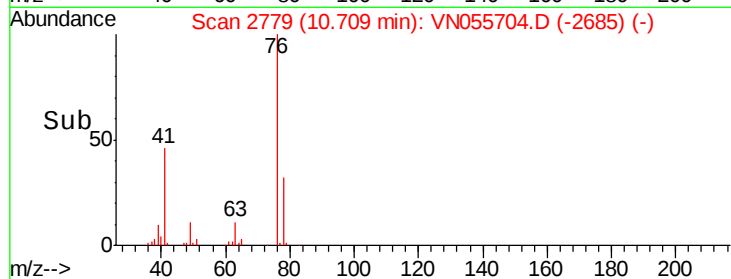
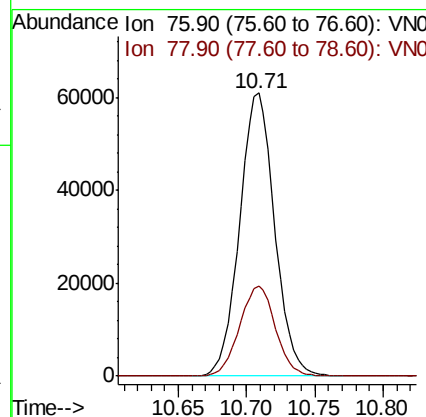
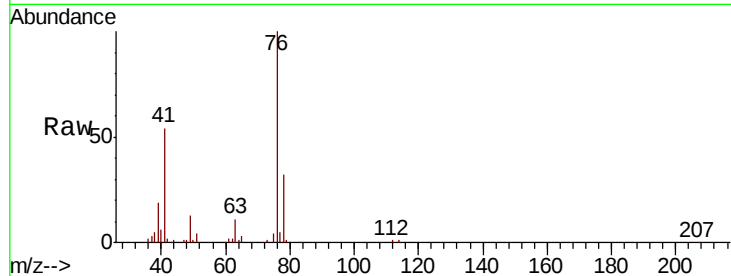
ClientSampleId :

Tot Ion: 76 Resp: 108758

Ion Ratio Lower Upper

76 100

78 32.4 26.5 39.7



#58

2-Chloroethyl Vinyl ether

Concen: 79.979 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055704.D

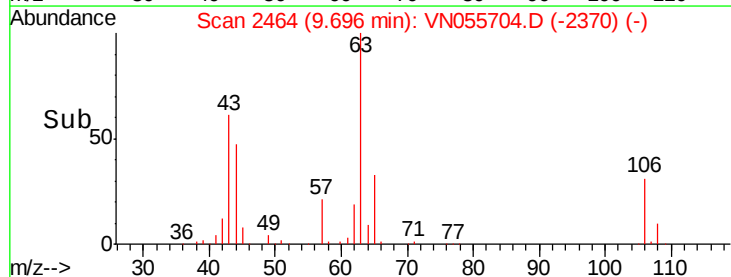
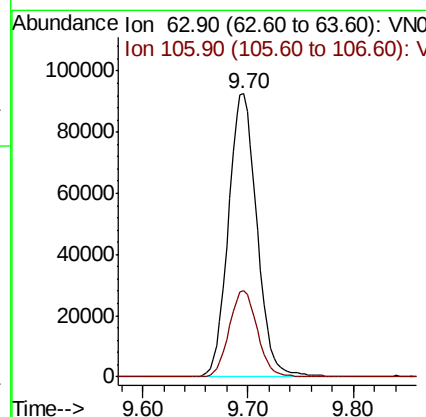
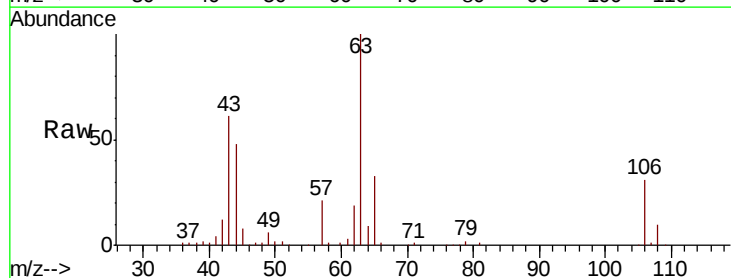
Acq: 21 May 2019 13:05

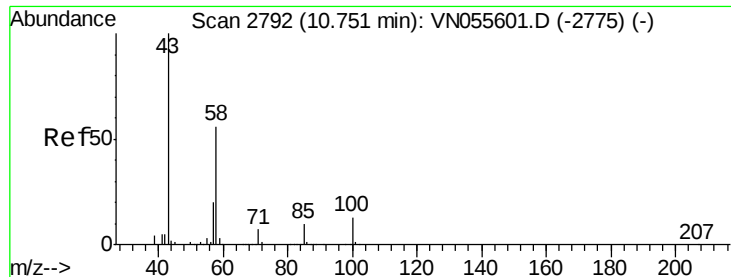
Tgt Ion: 63 Resp: 173125

Ion Ratio Lower Upper

63 100

106 30.1 23.0 34.6

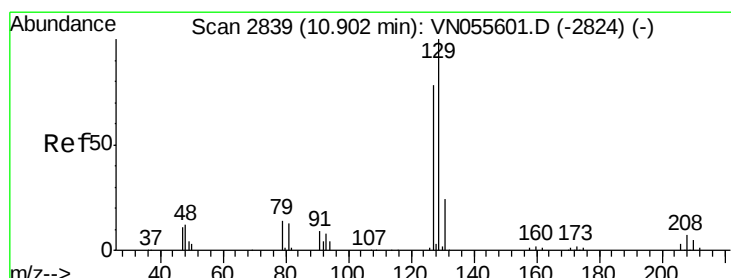
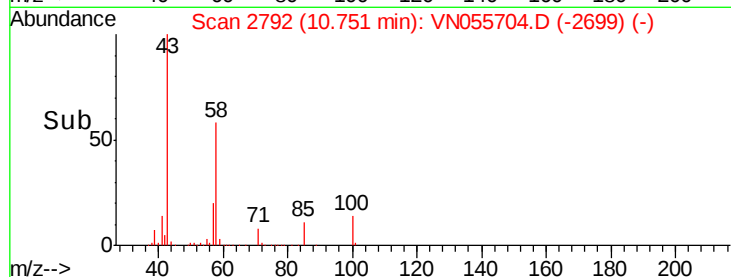
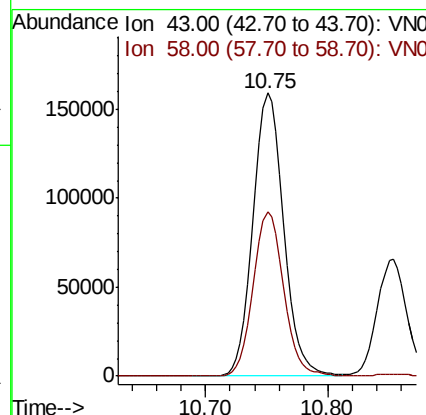
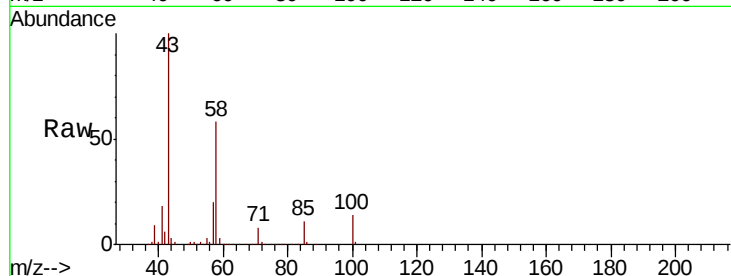




#59
2-Hexanone
Concen: 98.940 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN055704.D
Acq: 21 May 2019 13:05

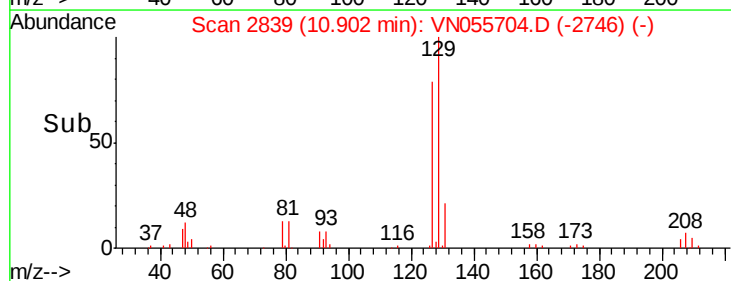
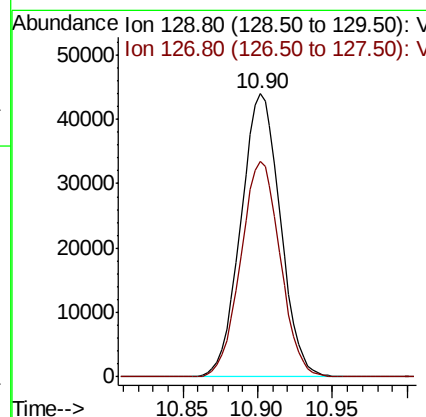
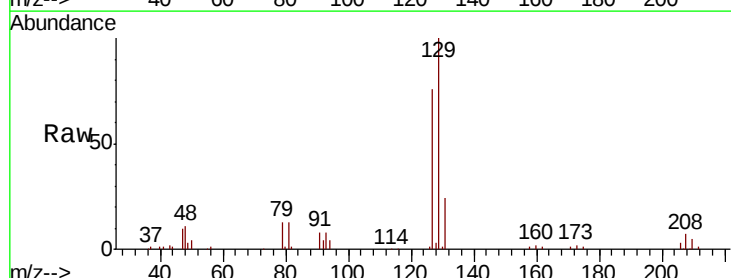
Instrument :
MSVOA_N
ClientSampleId :

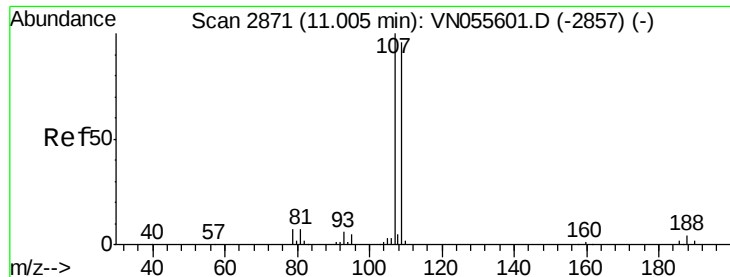
Tot Ion: 43 Resp: 275601
Ion Ratio Lower Upper
43 100
58 57.7 28.1 84.4



#60
Dibromochloromethane
Concen: 21.821 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN055704.D
Acq: 21 May 2019 13:05

Tgt Ion: 129 Resp: 80711
Ion Ratio Lower Upper
129 100
127 76.1 38.6 115.8





#61

1,2-Dibromoethane

Concen: 21.142 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN055704.D

Acq: 21 May 2019 13:05

Instrument :

MSVOA_N

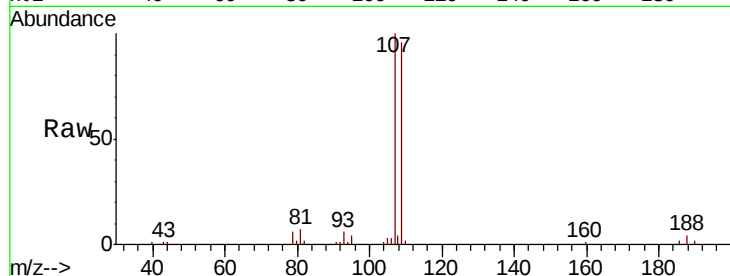
ClientSampleId :

Tot Ion:107 Resp: 69036

Ion Ratio Lower Upper

107 100

109 95.2 75.6 113.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.01

40000

30000

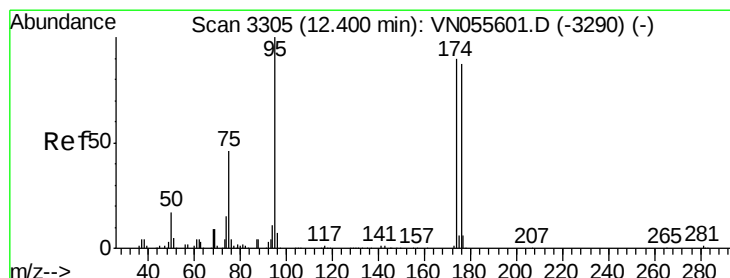
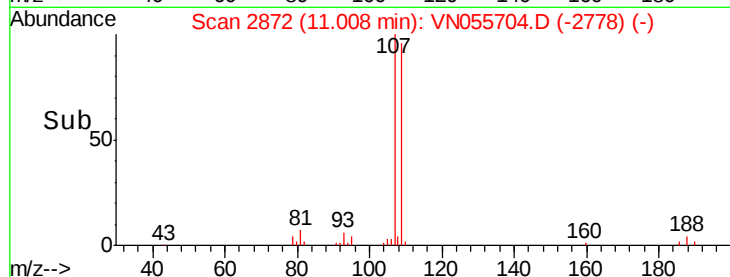
20000

10000

0

Time-->

10.95 11.00 11.05



#62

4-Bromofluorobenzene

Concen: 48.142 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN055704.D

Acq: 21 May 2019 13:05

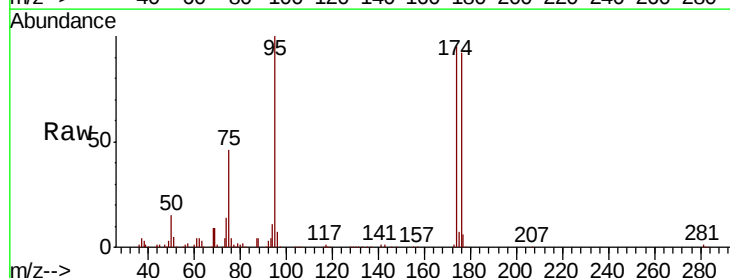
Tgt Ion: 95 Resp: 192451

Ion Ratio Lower Upper

95 100

174 96.1 0.0 180.6

176 93.6 0.0 177.4



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

150000

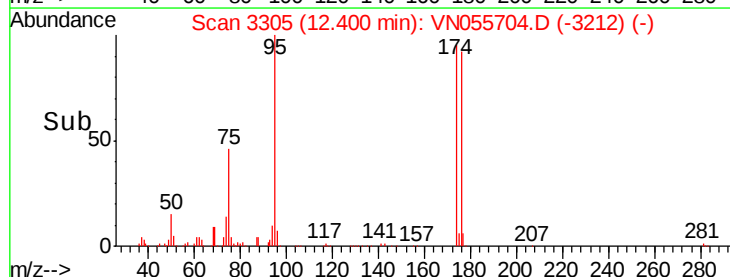
100000

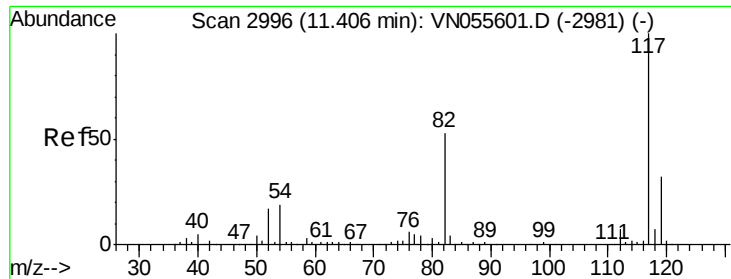
50000

0

Time-->

12.35 12.40 12.45

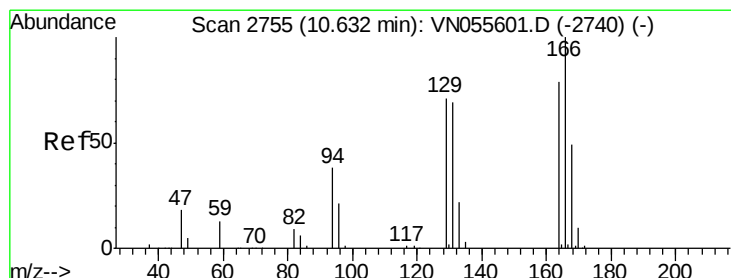
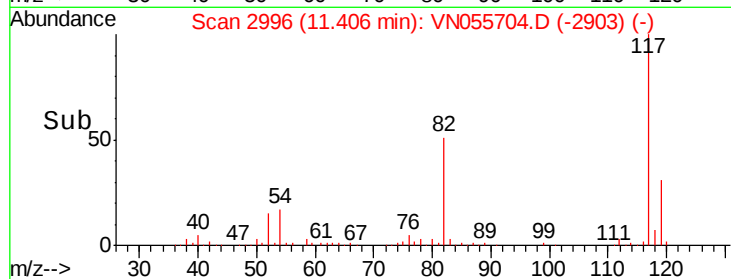
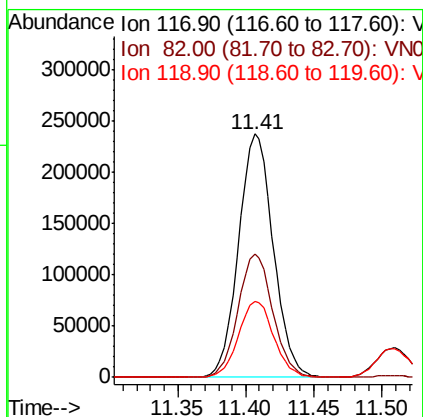
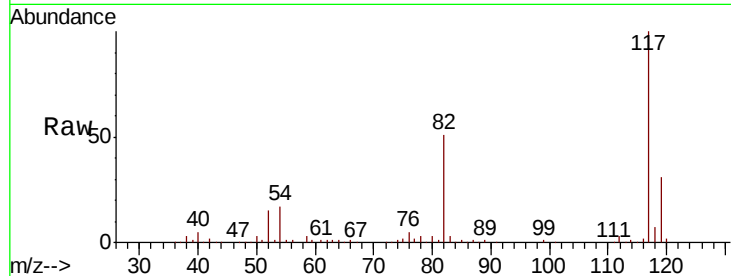




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN055704.D
Acq: 21 May 2019 13:05

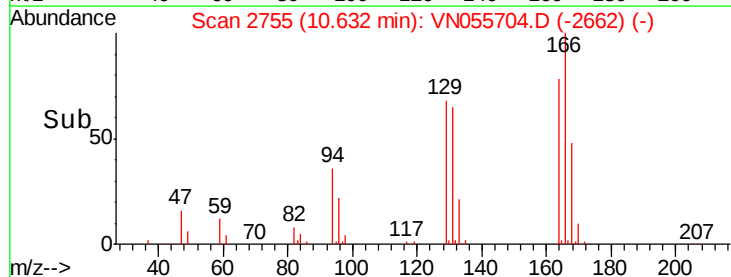
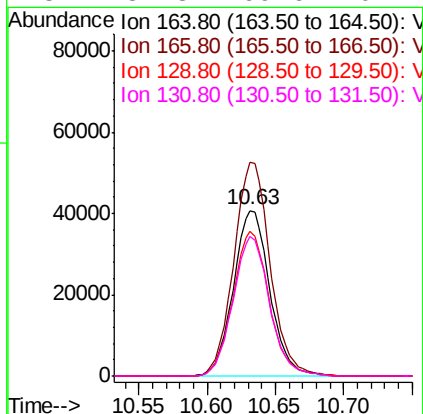
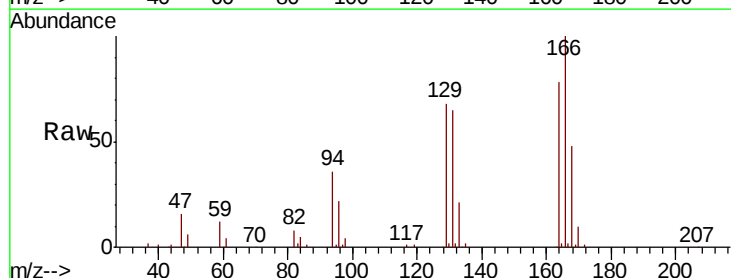
Instrument :
MSVOA_N
ClientSampleId :

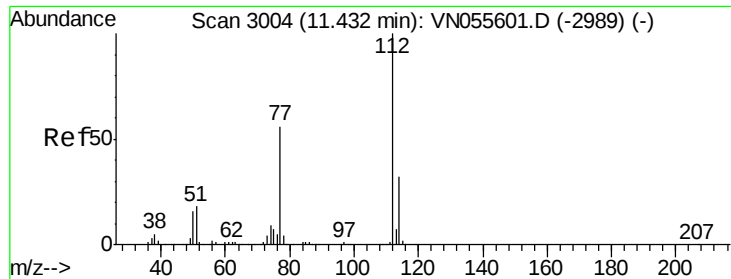
Tot Ion:117 Resp: 419401
Ion Ratio Lower Upper
117 100
82 50.6 42.3 63.5
119 31.4 25.4 38.2



#64
Tetrachloroethene
Concen: 22.752 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN055704.D
Acq: 21 May 2019 13:05

Tgt Ion:164 Resp: 75263
Ion Ratio Lower Upper
164 100
166 128.9 101.0 151.6
129 87.2 71.7 107.5
131 84.3 69.6 104.4

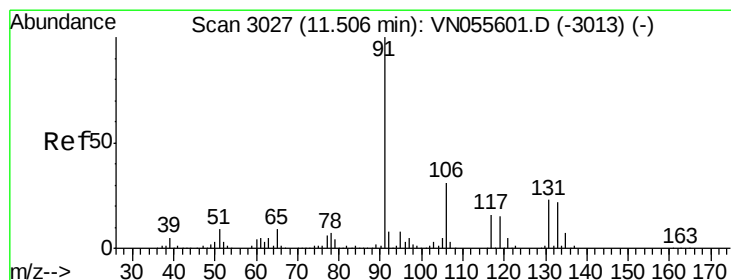
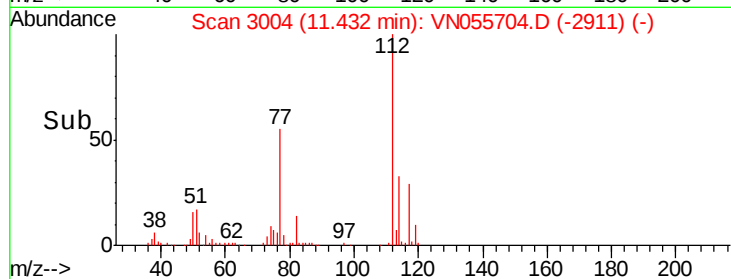
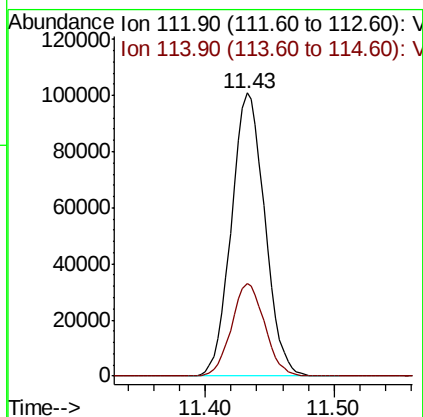
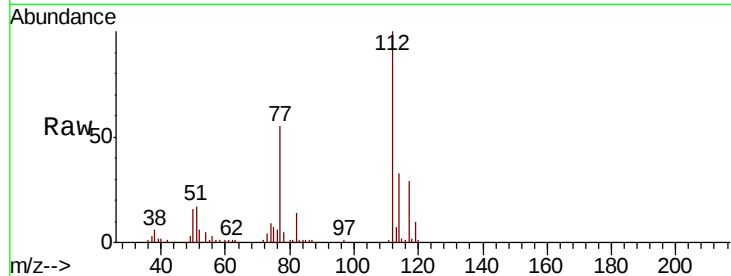




#65
Chlorobenzene
Concen: 21.415 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN055704.D
Acq: 21 May 2019 13:05

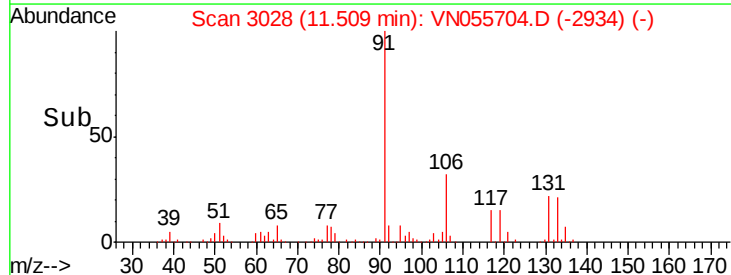
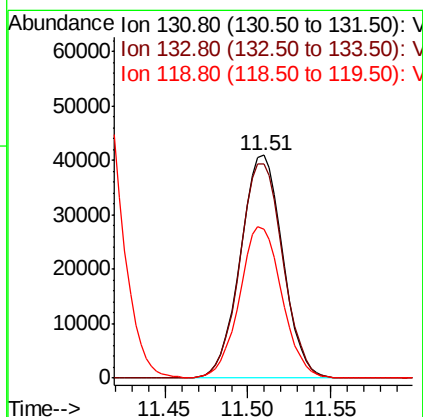
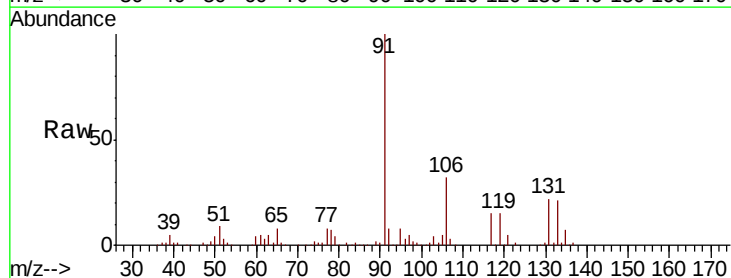
Instrument :
MSVOA_N
ClientSampled :

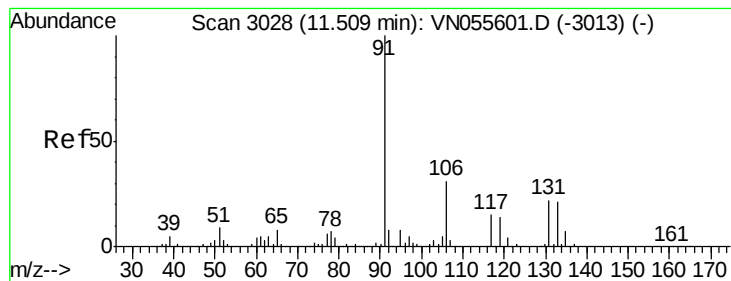
Tot Ion:112 Resp: 181661
Ion Ratio Lower Upper
112 100
114 32.7 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 21.348 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055704.D
Acq: 21 May 2019 13:05

Tgt Ion:131 Resp: 72851
Ion Ratio Lower Upper
131 100
133 98.0 47.8 143.4
119 68.0 33.3 99.8





#67

Ethyl Benzene

Concen: 21.009 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN055704.D

Acq: 21 May 2019 13:05

Instrument :

MSVOA_N

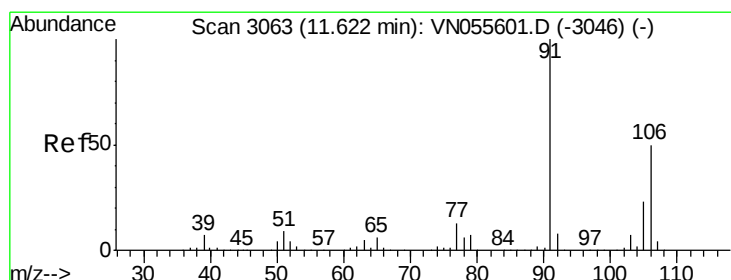
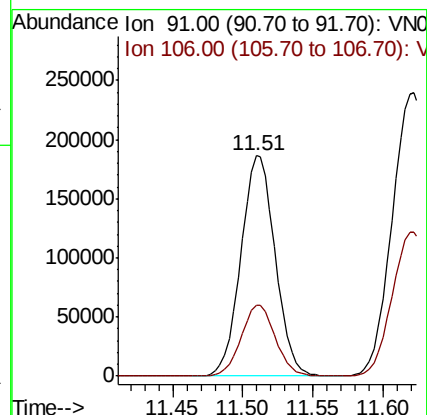
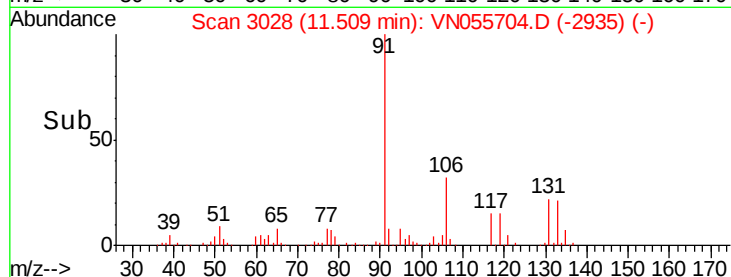
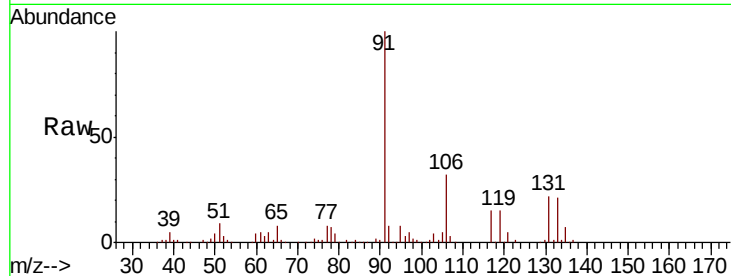
ClientSampled :

Tot Ion: 91 Resp: 317484

Ion Ratio Lower Upper

91 100

106 32.2 25.2 37.8



#68

m/p-Xylenes

Concen: 42.862 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN055704.D

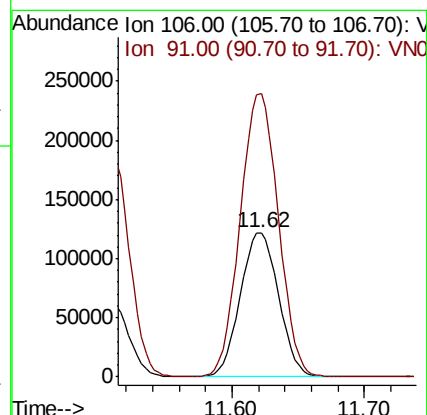
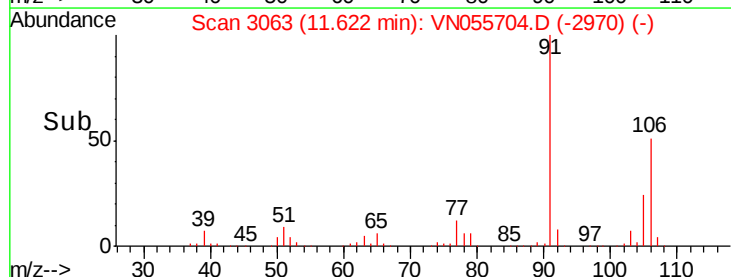
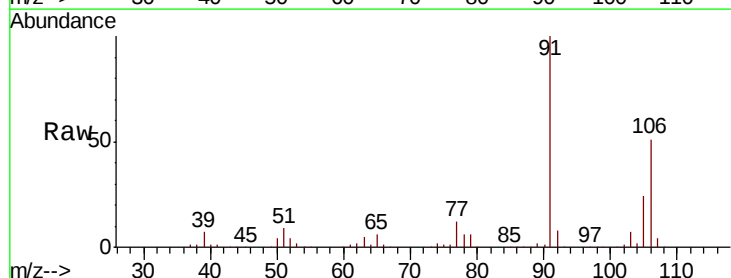
Acq: 21 May 2019 13:05

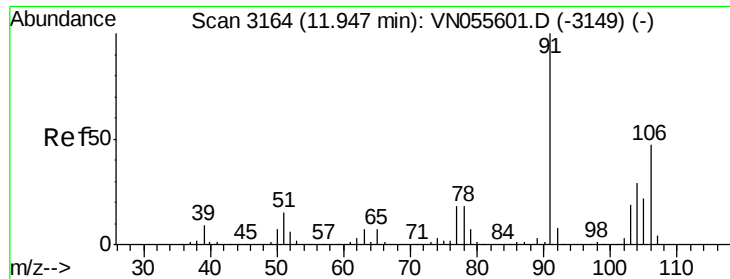
Tgt Ion: 106 Resp: 244600

Ion Ratio Lower Upper

106 100

91 195.6 160.5 240.7

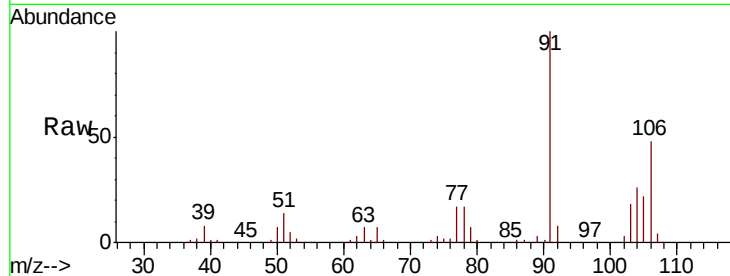




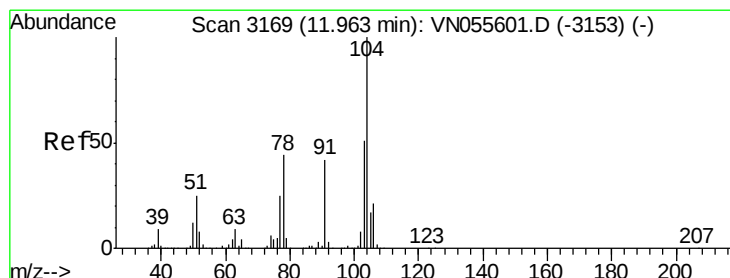
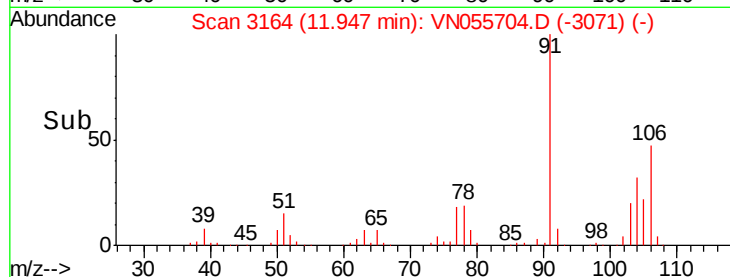
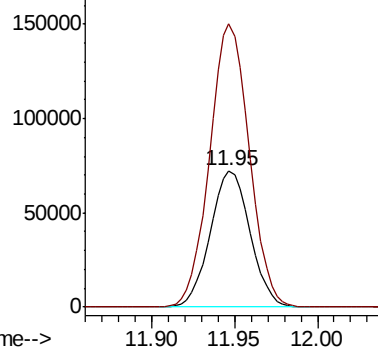
#69
o-Xylene
Concen: 21.629 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN055704.D
Acq: 21 May 2019 13:05

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:106 Resp: 120725
Ion Ratio Lower Upper
106 100
91 206.3 106.7 320.2

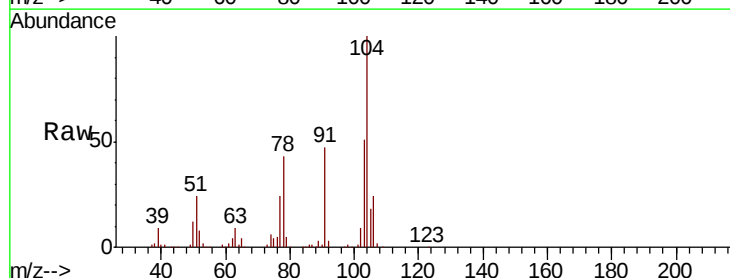


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

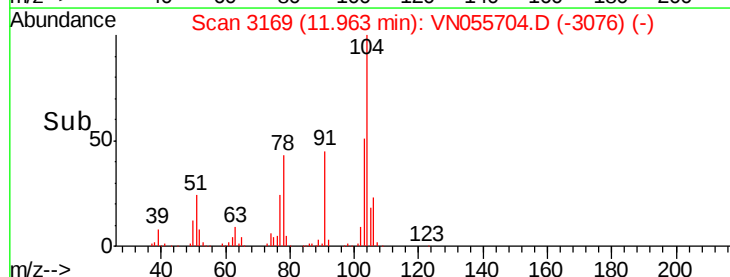
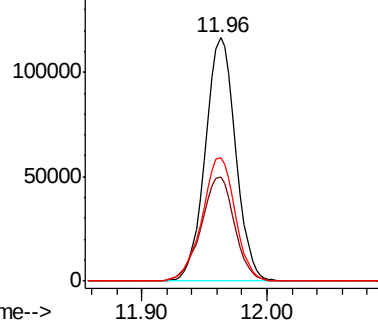


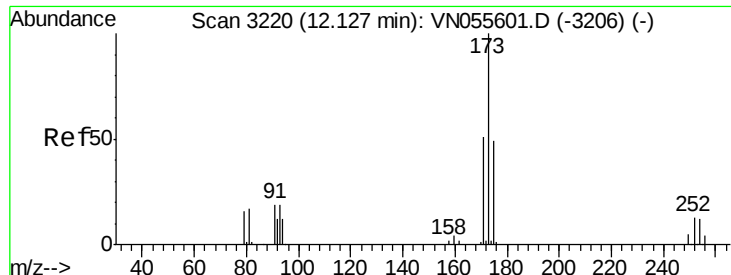
#70
Styrene
Concen: 21.145 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN055704.D
Acq: 21 May 2019 13:05

Tgt Ion:104 Resp: 196240
Ion Ratio Lower Upper
104 100
78 47.0 38.6 58.0
103 55.1 44.4 66.6



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: 21.540 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN055704.D

Acq: 21 May 2019 13:05

Instrument :

MSVOA_N

ClientSampleId :

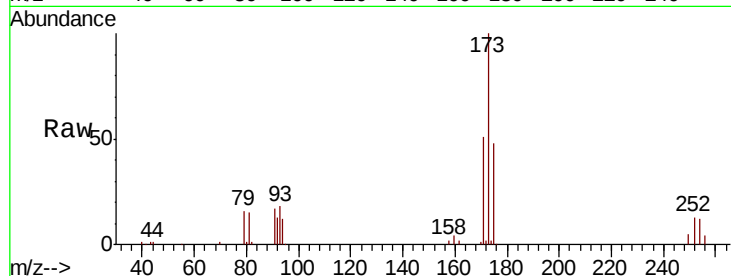
Tot Ion:173 Resp: 62293

Ion Ratio Lower Upper

173 100

175 48.5 24.3 72.9

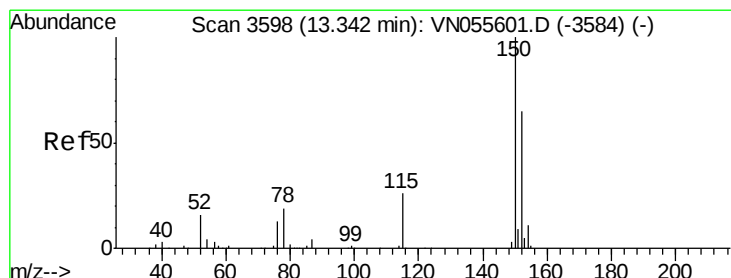
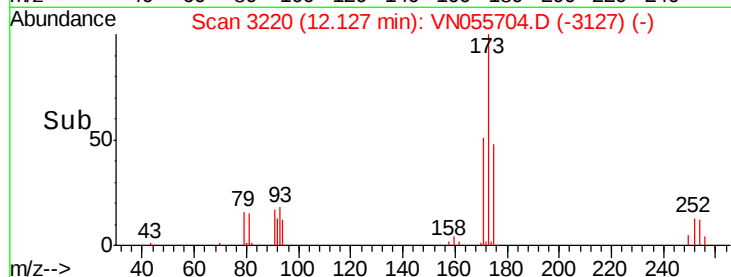
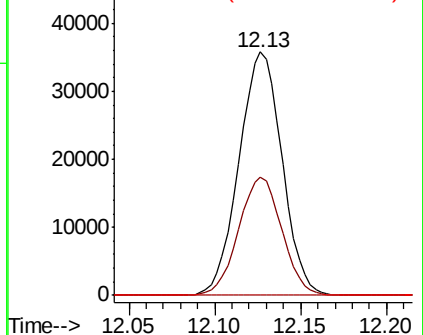
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN055704.D

Acq: 21 May 2019 13:05

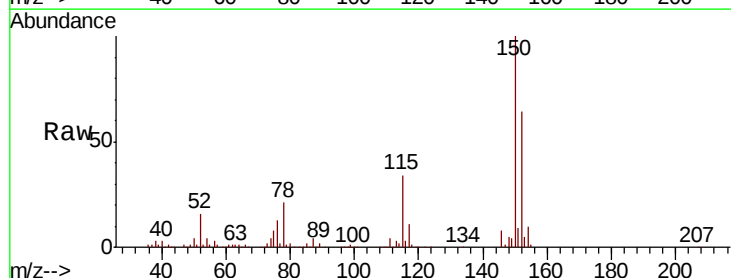
Tgt Ion:152 Resp: 185634

Ion Ratio Lower Upper

152 100

115 54.4 28.1 84.2

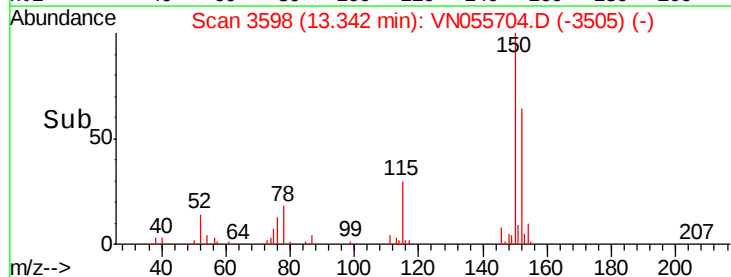
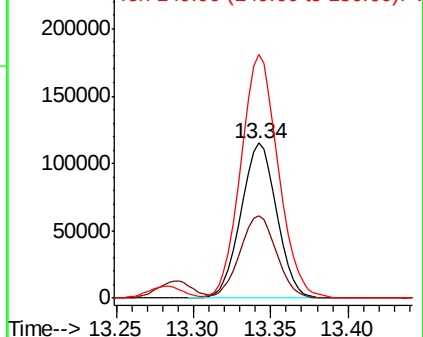
150 164.0 0.0 348.0

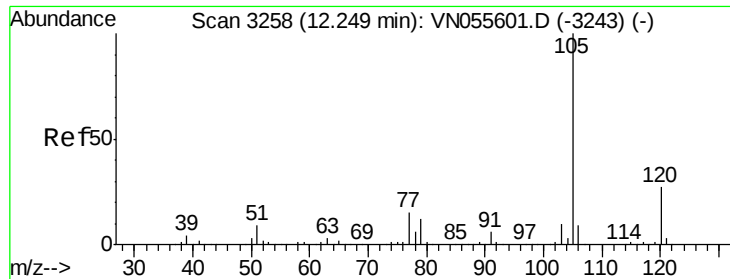


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 23.423 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055704.D

Acq: 21 May 2019 13:05

Instrument :

MSVOA_N

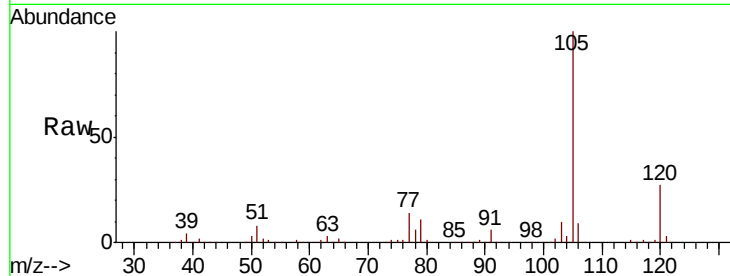
ClientSampleId :

Tot Ion:105 Resp: 321815

Ion Ratio Lower Upper

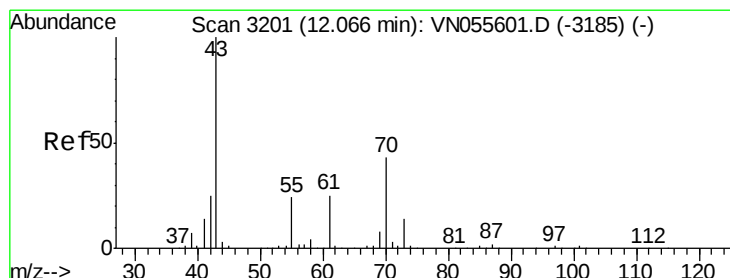
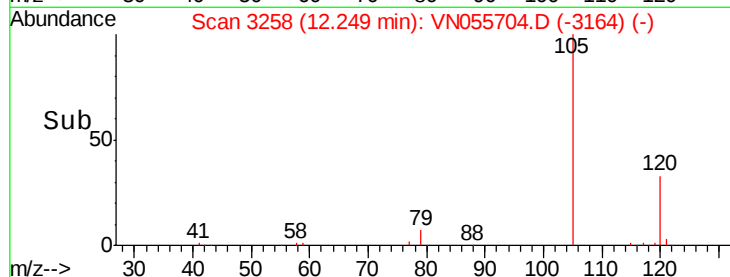
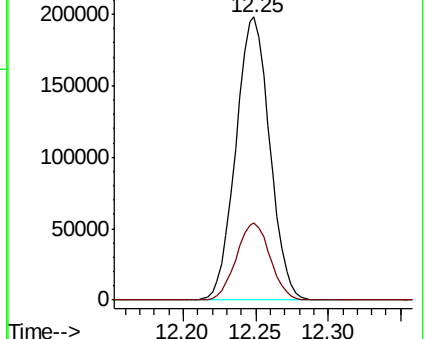
105 100

120 27.3 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.317 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055704.D

Acq: 21 May 2019 13:05

Tgt Ion: 43 Resp: 100689

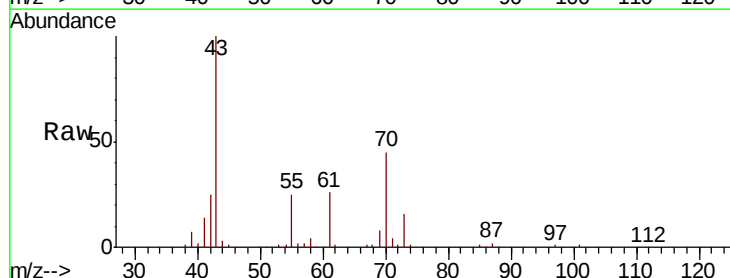
Ion Ratio Lower Upper

43 100

70 44.7 35.0 52.6

55 25.0 18.9 28.3

61 25.9 20.1 30.1

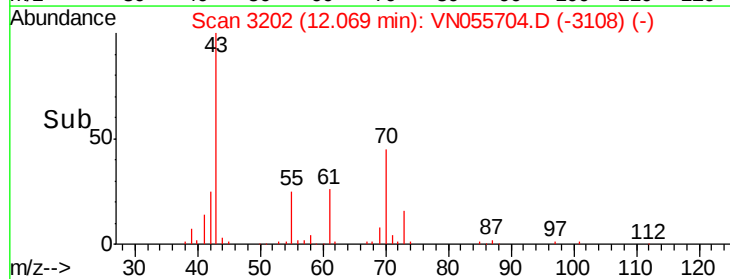
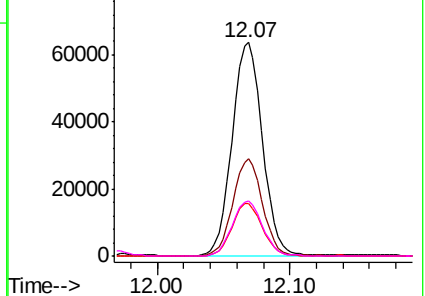


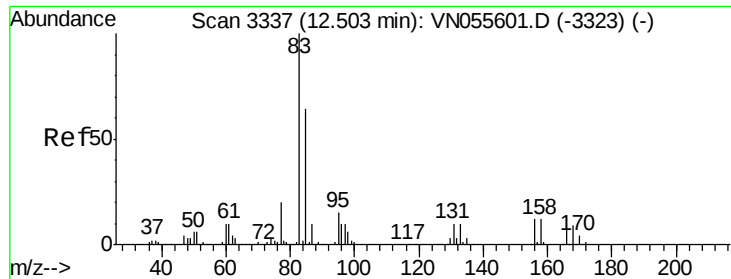
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 22.432 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055704.D

Acq: 21 May 2019 13:05

Instrument :

MSVOA_N

ClientSampled :

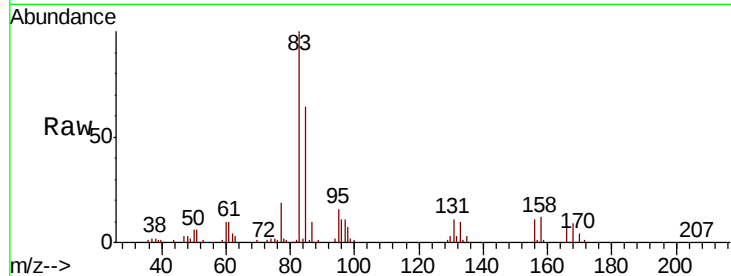
Tot Ion: 83 Resp: 95810

Ion Ratio Lower Upper

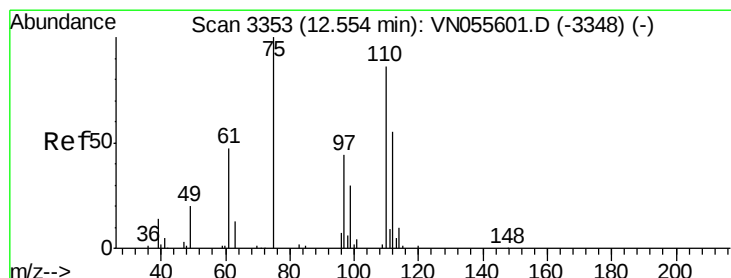
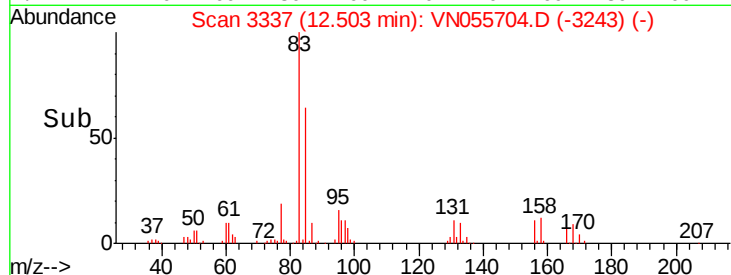
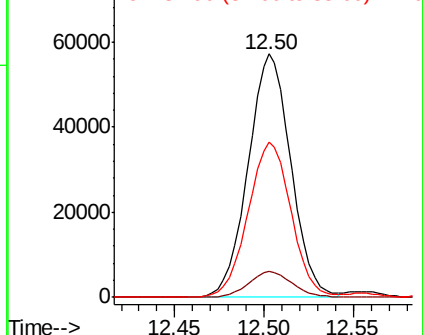
83 100

131 11.0 5.3 16.1

85 64.1 32.0 96.2



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



#76

1,2,3-Trichloropropane

Concen: 29.281 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN055704.D

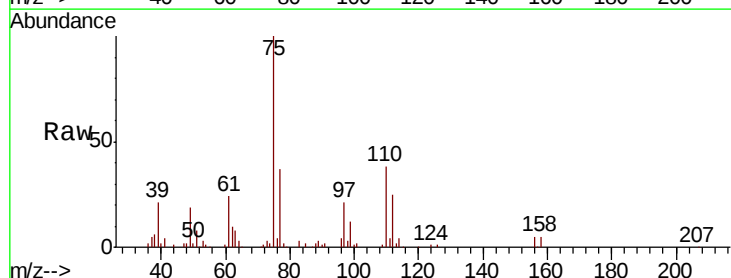
Acq: 21 May 2019 13:05

Tgt Ion: 75 Resp: 110912

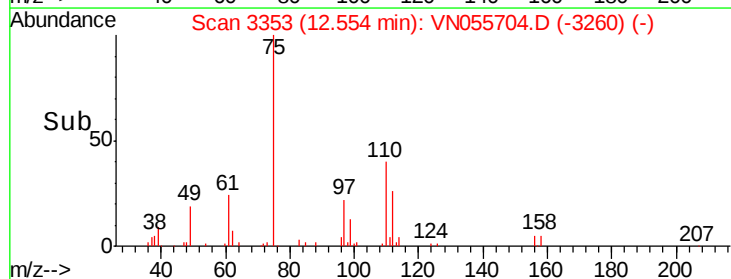
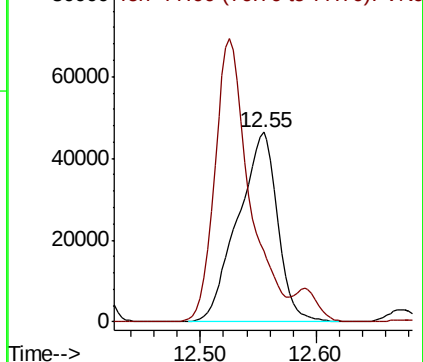
Ion Ratio Lower Upper

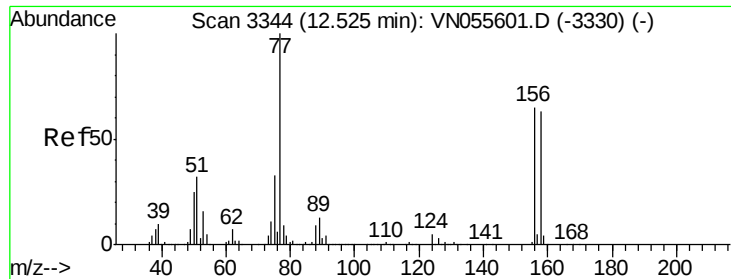
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 22.172 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN055704.D

Acq: 21 May 2019 13:05

Instrument :

MSVOA_N

ClientSampleId :

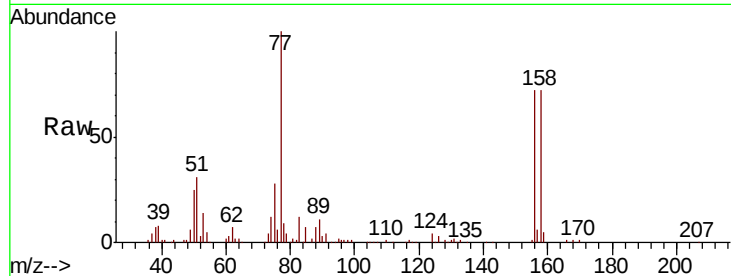
Tot Ion:156 Resp: 84529

Ion Ratio Lower Upper

156 100

77 170.5 94.5 283.5

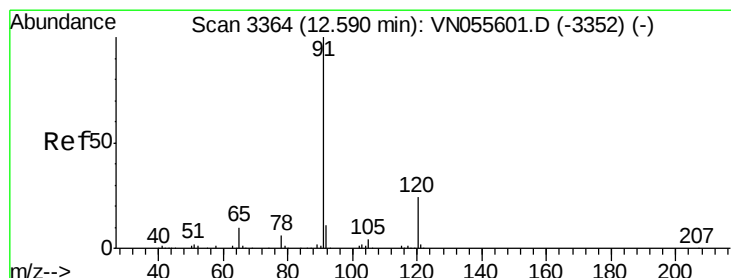
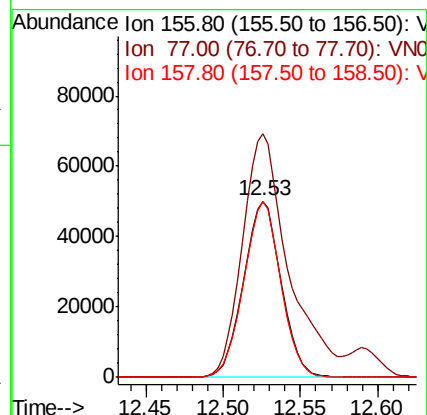
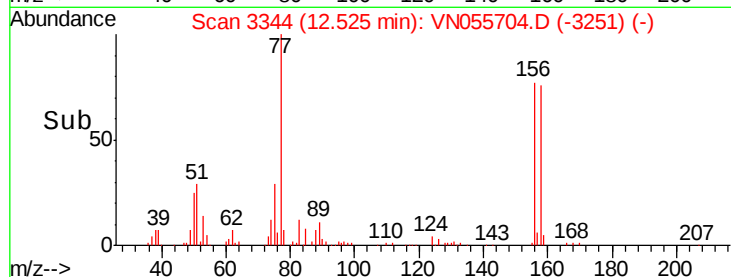
158 98.3 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.647 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN055704.D

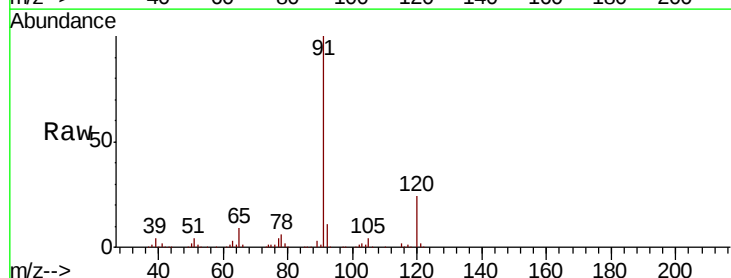
Acq: 21 May 2019 13:05

Tgt Ion: 91 Resp: 340363

Ion Ratio Lower Upper

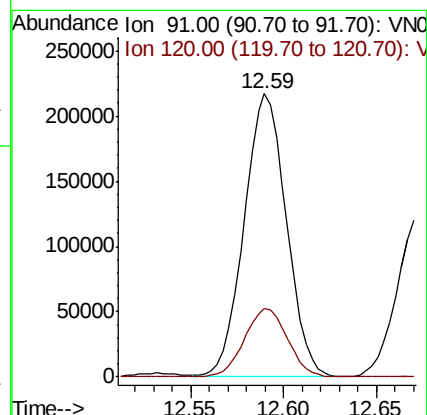
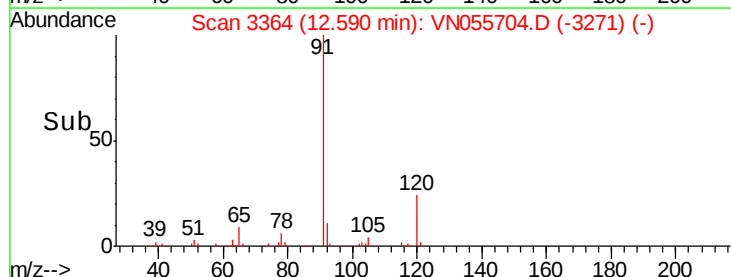
91 100

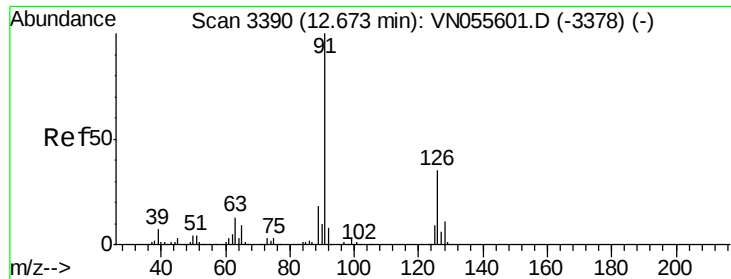
120 24.7 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.699 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055704.D

Acq: 21 May 2019 13:05

Instrument :

MSVOA_N

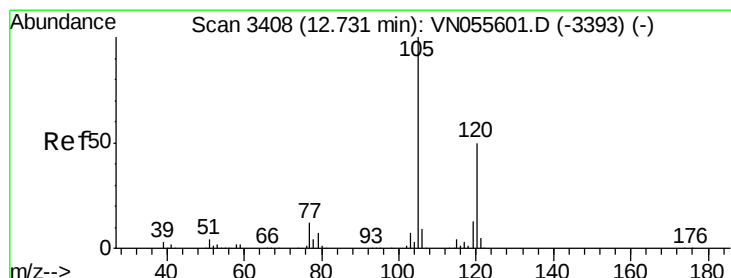
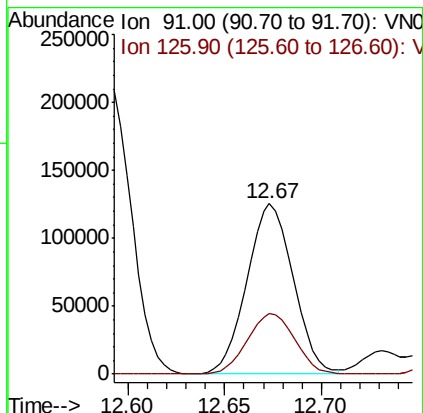
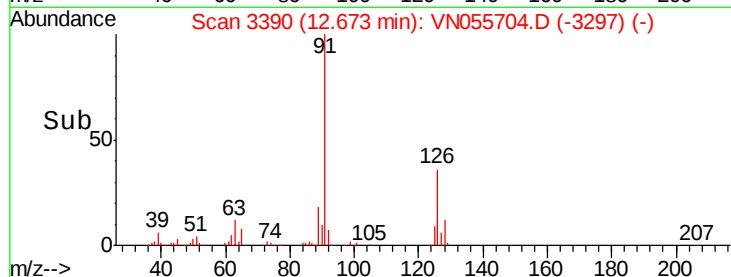
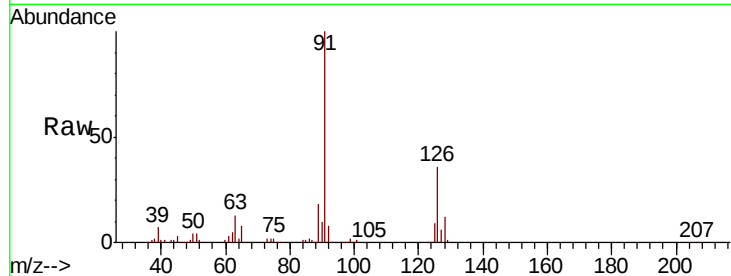
ClientSampled :

Tot Ion: 91 Resp: 208362

Ion Ratio Lower Upper

91 100

126 36.6 17.8 53.4



#80

1,3,5-Trimethylbenzene

Concen: 23.419 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055704.D

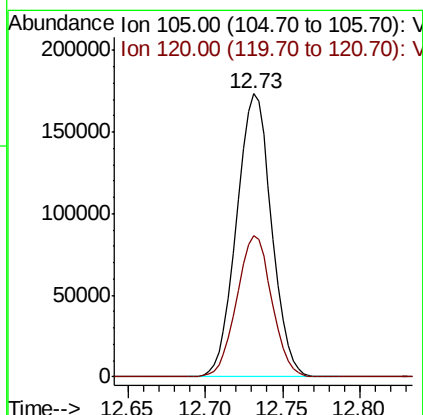
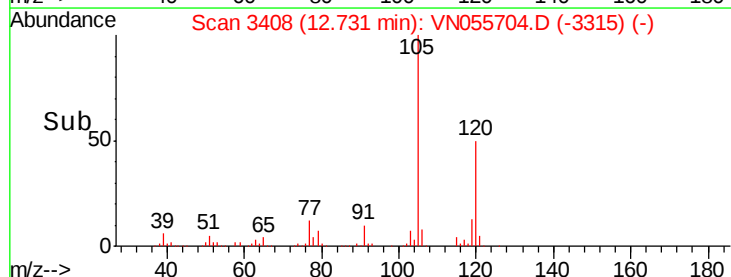
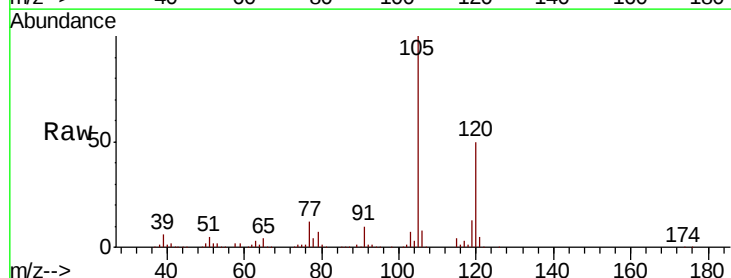
Acq: 21 May 2019 13:05

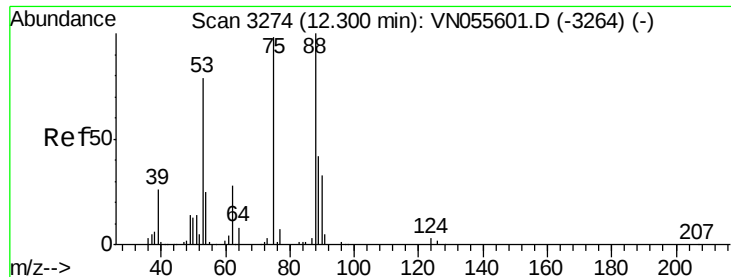
Tgt Ion: 105 Resp: 272693

Ion Ratio Lower Upper

105 100

120 50.1 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 18.210 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN055704.D

Acq: 21 May 2019 13:05

Instrument :

MSVOA_N

ClientSampleId :

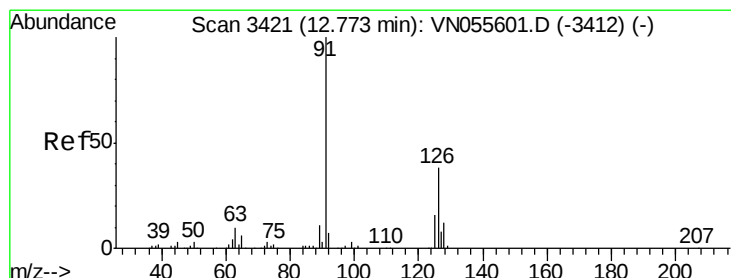
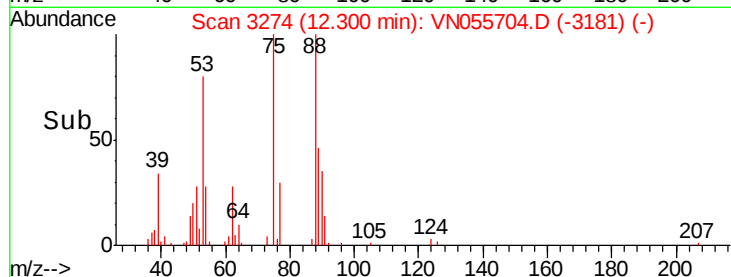
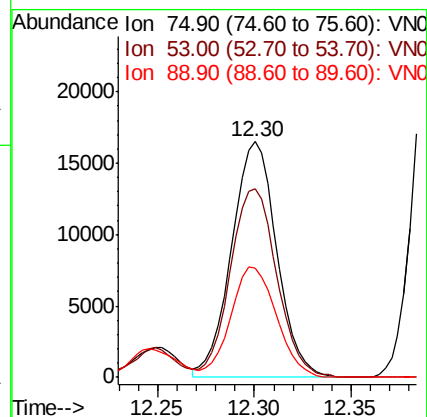
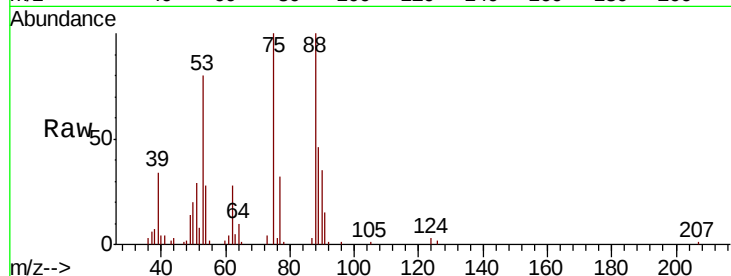
Tot Ion: 75 Resp: 26833

Ion Ratio Lower Upper

75 100

53 82.7 65.1 97.7

89 47.4 36.4 54.6



#82

4-Chlorotoluene

Concen: 20.385 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN055704.D

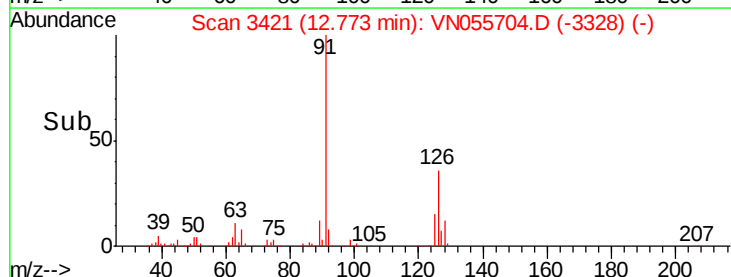
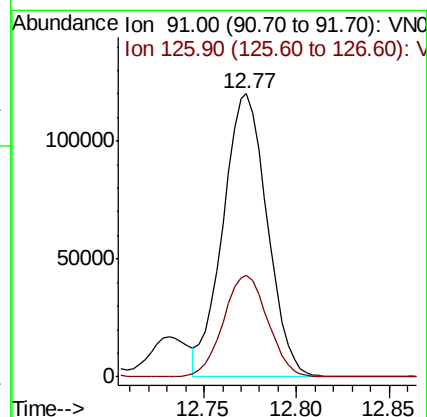
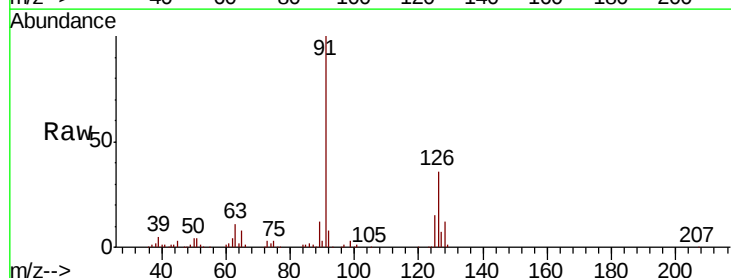
Acq: 21 May 2019 13:05

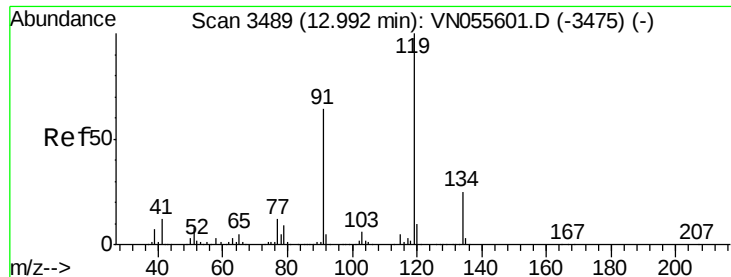
Tgt Ion: 91 Resp: 198001

Ion Ratio Lower Upper

91 100

126 36.1 17.5 52.6

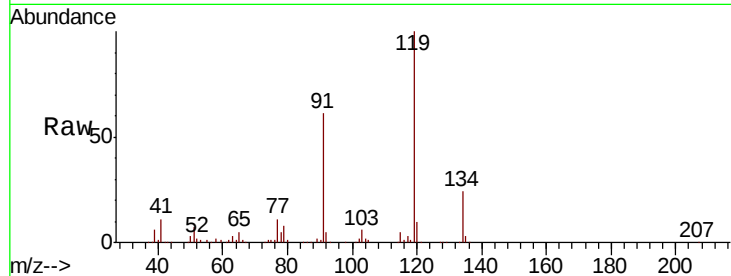




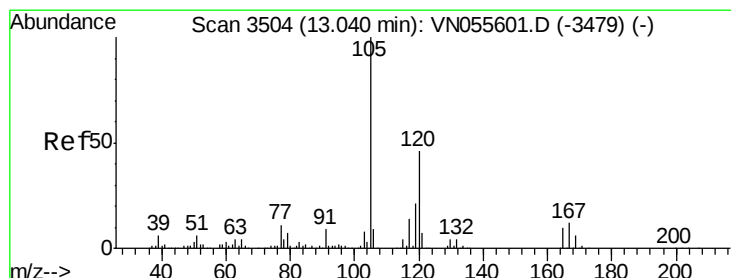
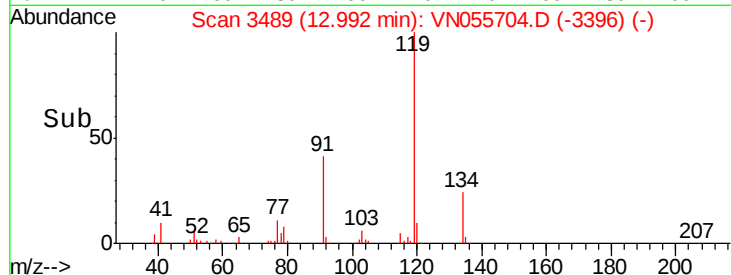
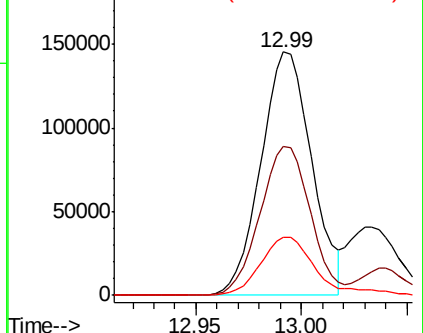
#83
tert-Butylbenzene
Concen: 24.379 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055704.D
Acq: 21 May 2019 13:05

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:119 Resp: 243674
Ion Ratio Lower Upper
119 100
91 60.6 31.3 93.8
134 25.8 13.2 39.6

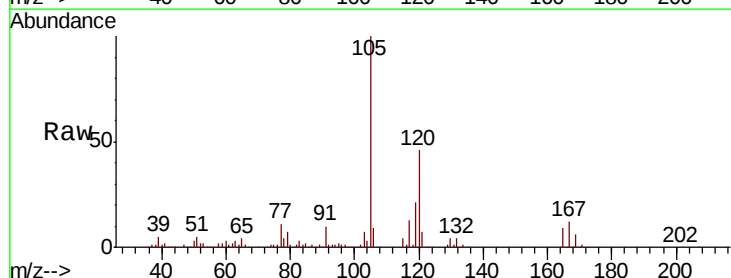


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

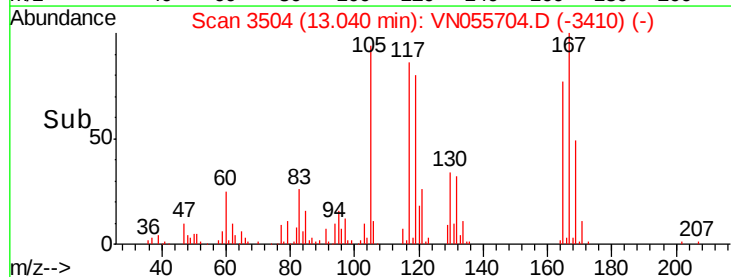
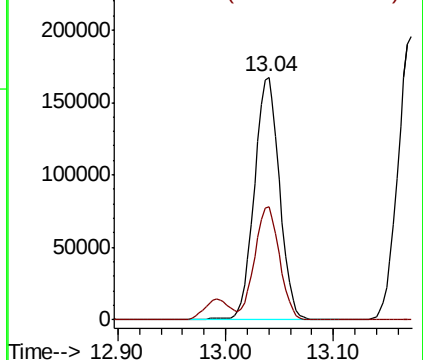


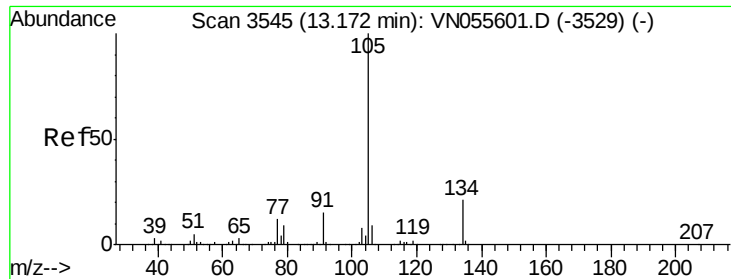
#84
1,2,4-Trimethylbenzene
Concen: 23.412 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN055704.D
Acq: 21 May 2019 13:05

Tgt Ion:105 Resp: 270461
Ion Ratio Lower Upper
105 100
120 46.1 23.1 69.2



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





#85

sec-Butylbenzene

Concen: 23.959 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055704.D

Acq: 21 May 2019 13:05

Instrument :

MSVOA_N

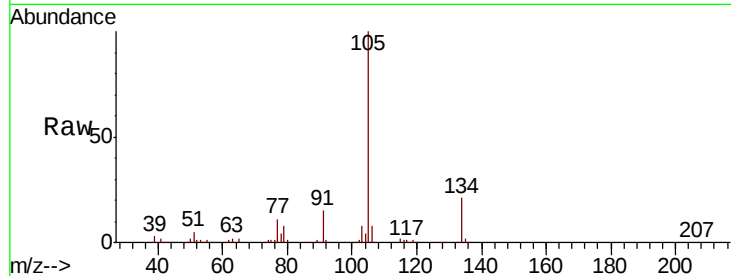
ClientSampled :

Tot Ion:105 Resp: 311167

Ion Ratio Lower Upper

105 100

134 20.8 10.3 30.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

200000

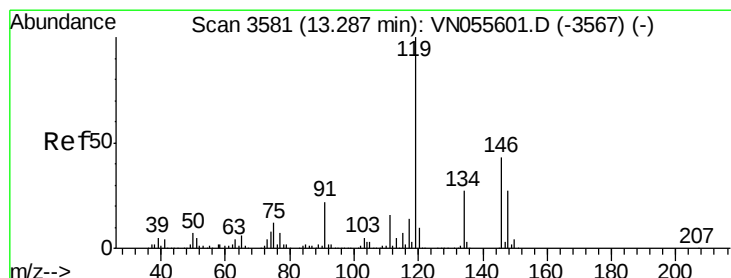
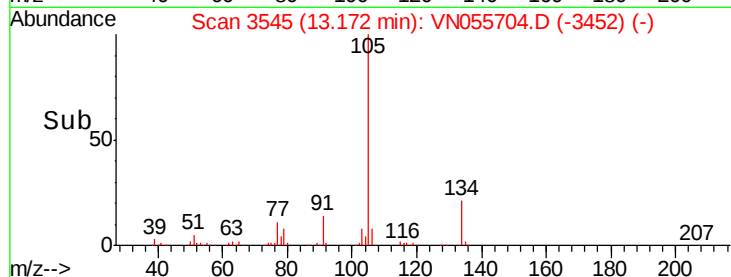
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 23.738 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055704.D

Acq: 21 May 2019 13:05

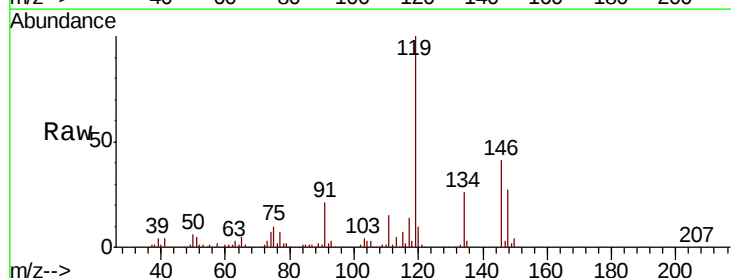
Tgt Ion:119 Resp: 284888

Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.2

91 21.4 11.0 33.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

250000

200000

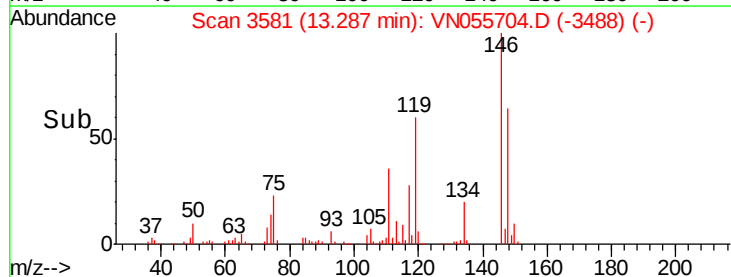
150000

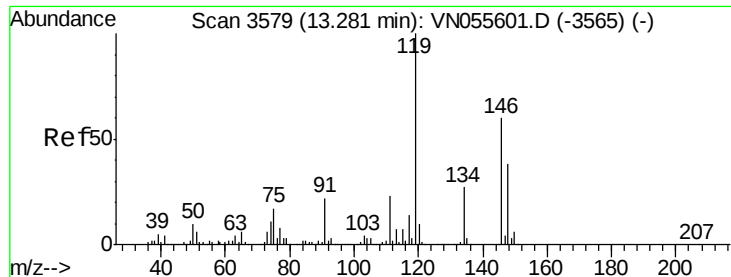
100000

50000

0

Time-->

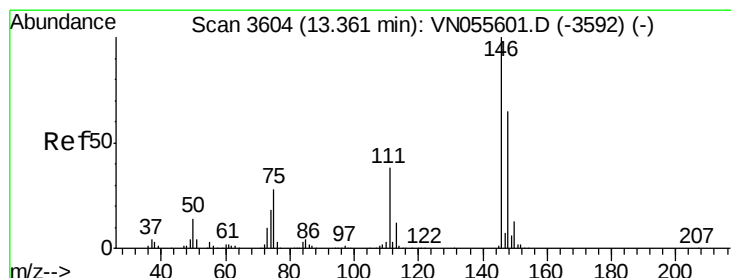
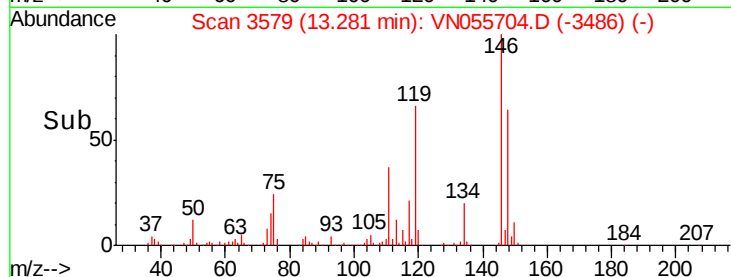
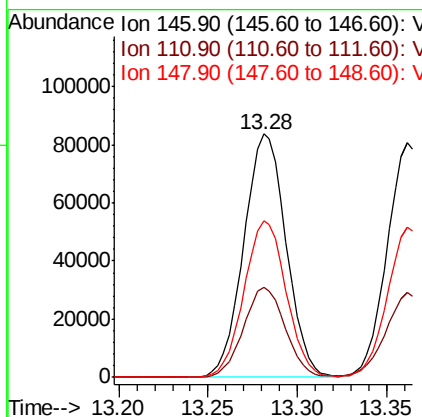
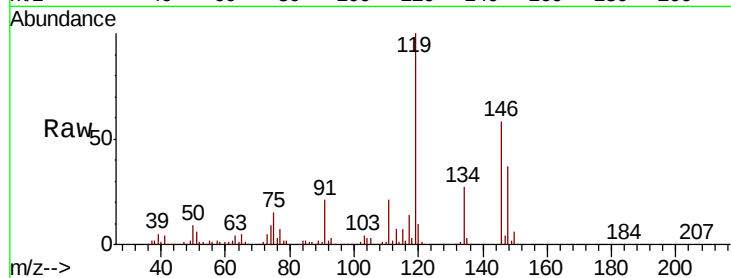




#87
 1,3-Dichlorobenzene
 Concen: 21.986 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN055704.D
 Acq: 21 May 2019 13:05

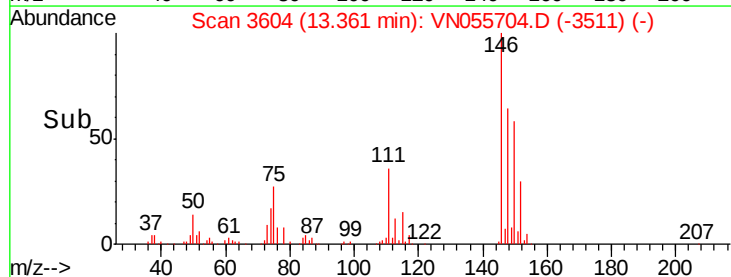
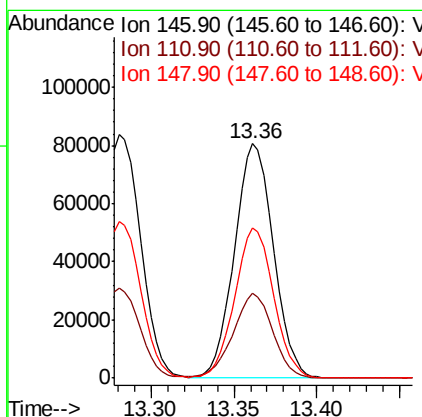
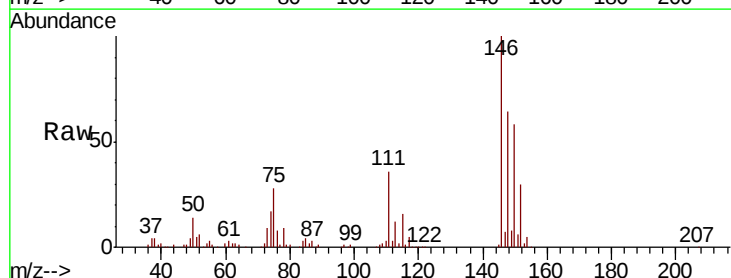
Instrument :
 MSVOA_N
 ClientSampled :

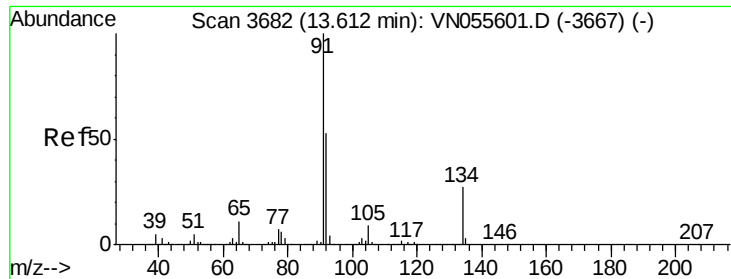
Tot Ion:146 Resp: 138590
 Ion Ratio Lower Upper
 146 100
 111 36.6 18.9 56.9
 148 64.1 31.9 95.9



#88
 1,4-Dichlorobenzene
 Concen: 21.955 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN055704.D
 Acq: 21 May 2019 13:05

Tgt Ion:146 Resp: 132141
 Ion Ratio Lower Upper
 146 100
 111 36.8 18.8 56.4
 148 63.7 32.4 97.0

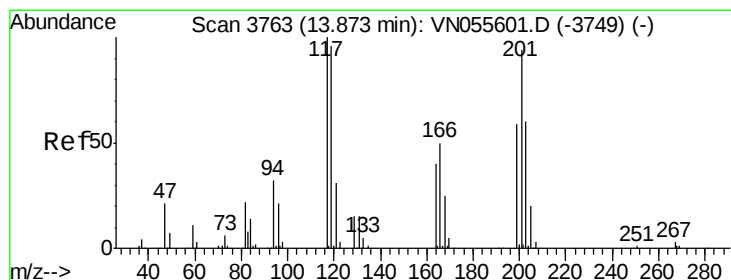
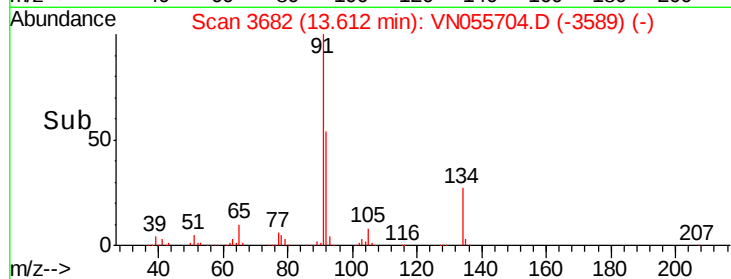
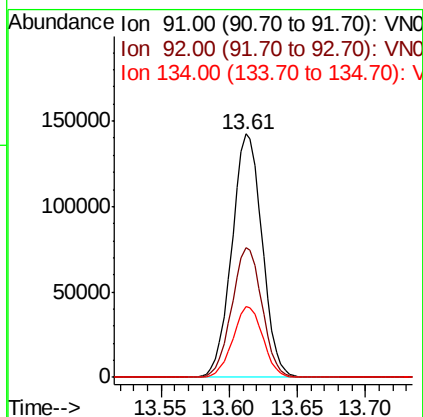
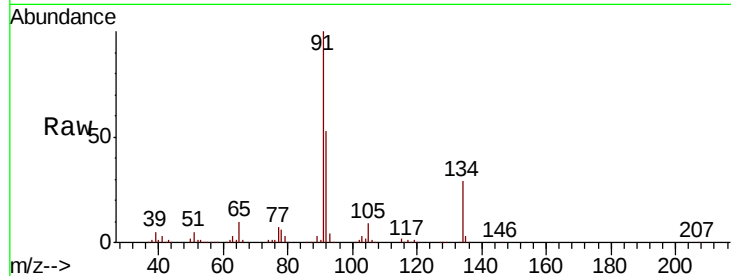




#89
n-Butylbenzene
Concen: 21.575 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN055704.D
Acq: 21 May 2019 13:05

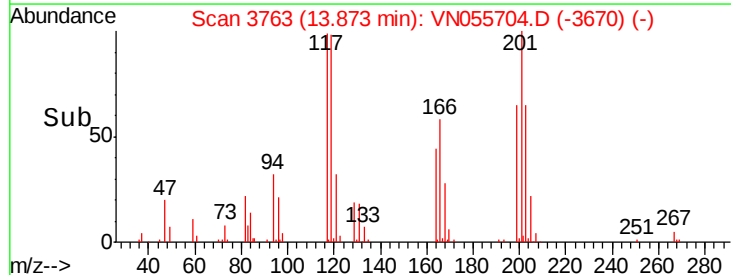
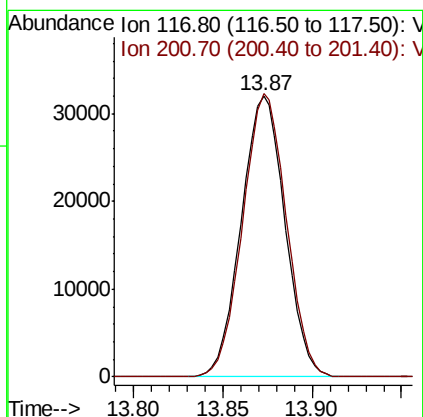
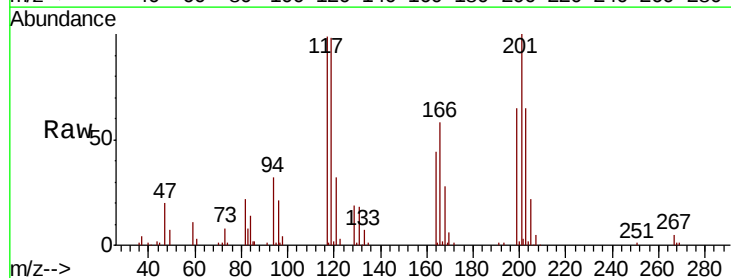
Instrument :
MSVOA_N
ClientSampleId :

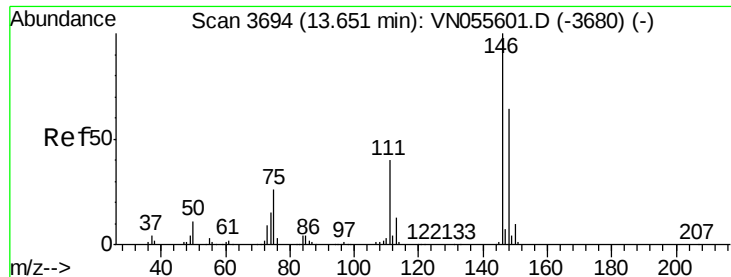
Tot Ion: 91 Resp: 219774
Ion Ratio Lower Upper
91 100
92 53.1 26.4 79.0
134 28.9 13.7 41.1



#90
Hexachloroethane
Concen: 23.693 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055704.D
Acq: 21 May 2019 13:05

Tgt Ion: 117 Resp: 54815
Ion Ratio Lower Upper
117 100
201 100.6 47.1 141.3





#91

1,2-Dichlorobenzene

Concen: 22.204 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN055704.D

Acq: 21 May 2019 13:05

Instrument :

MSVOA_N

ClientSampled :

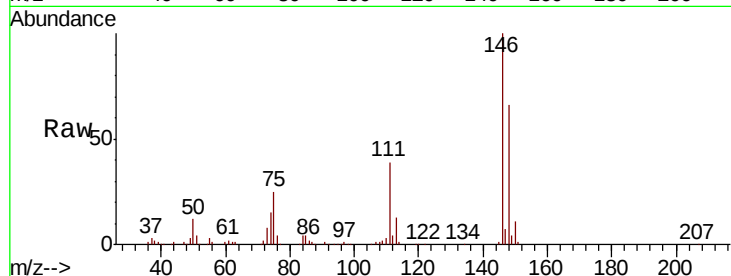
Tot Ion:146 Resp: 139519

Ion Ratio Lower Upper

146 100

111 38.2 19.7 59.0

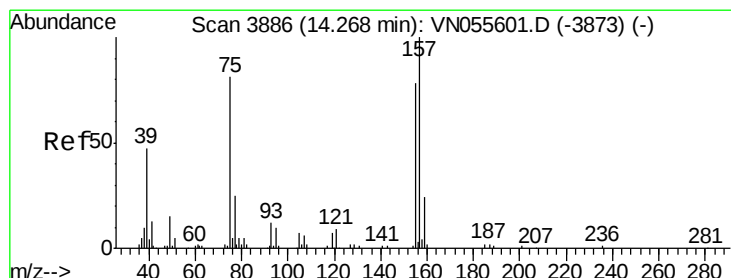
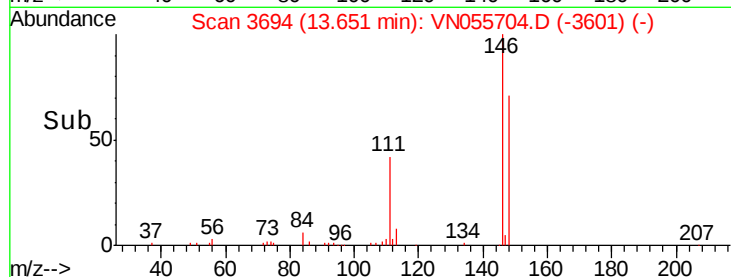
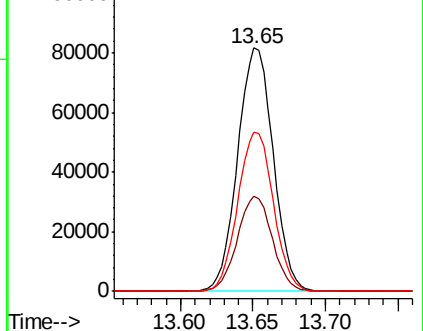
148 65.4 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.317 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN055704.D

Acq: 21 May 2019 13:05

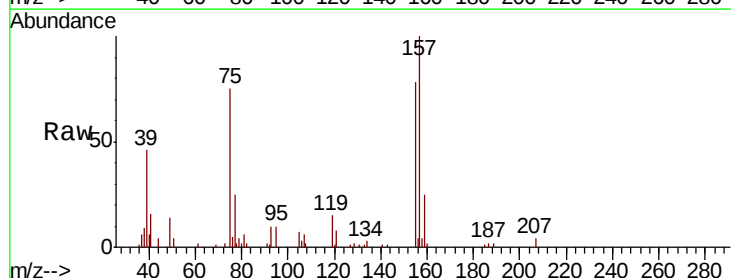
Tgt Ion: 75 Resp: 17116

Ion Ratio Lower Upper

75 100

155 106.7 48.4 145.0

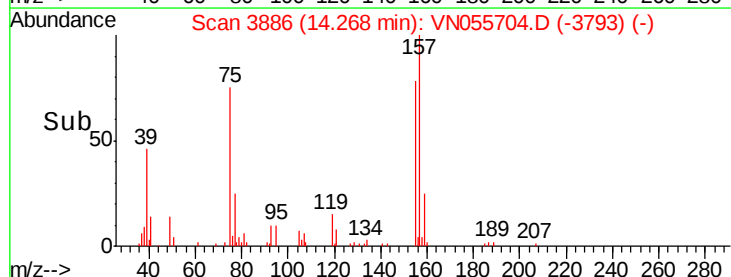
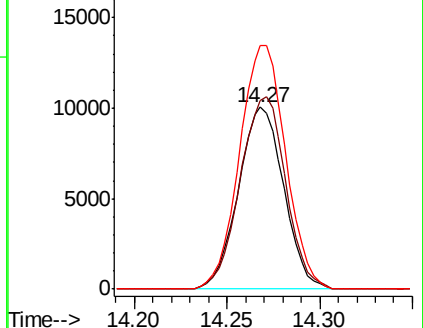
157 136.2 62.3 186.8

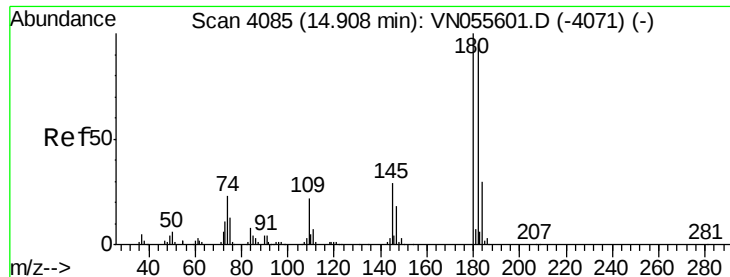


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

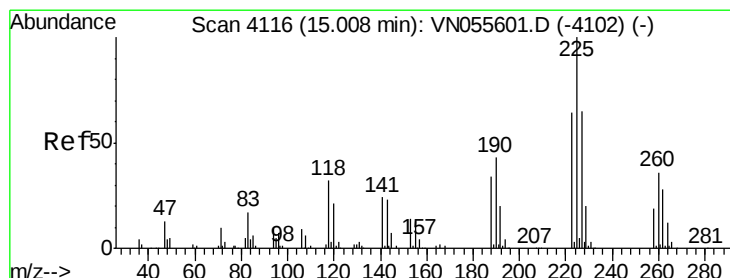
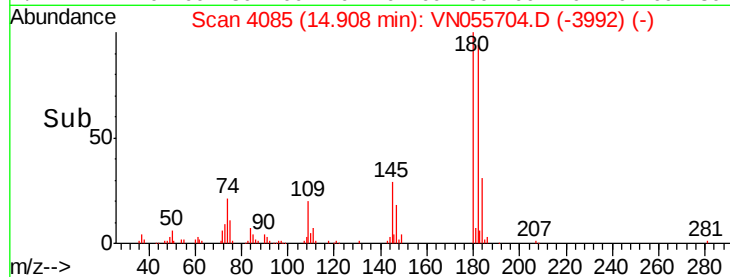
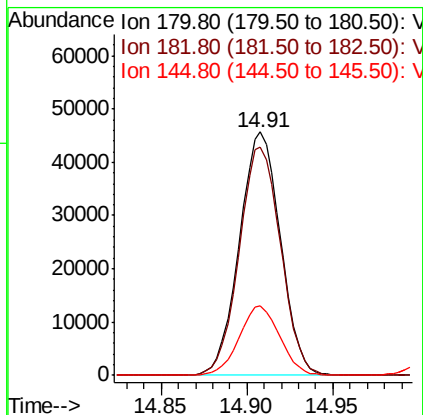
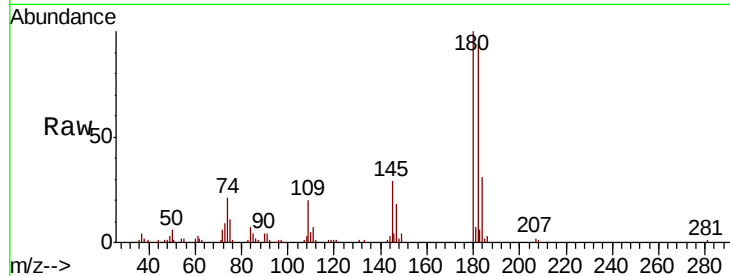




#93
 1,2,4-Trichlorobenzene
 Concen: 23.661 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN055704.D
 Acq: 21 May 2019 13:05

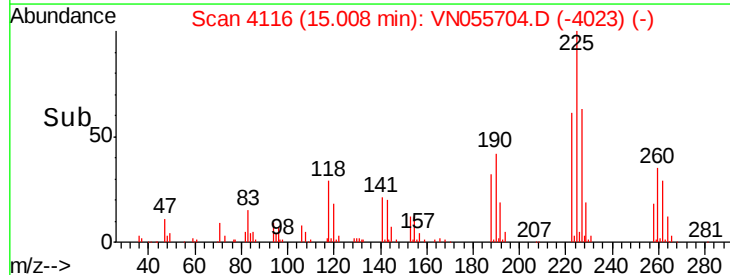
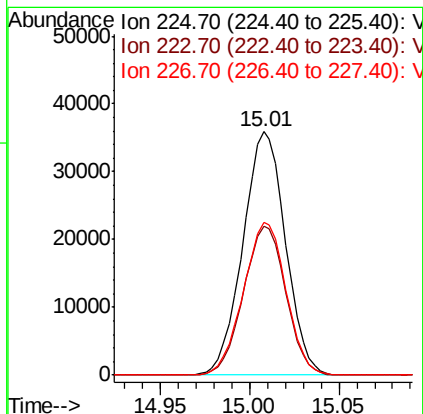
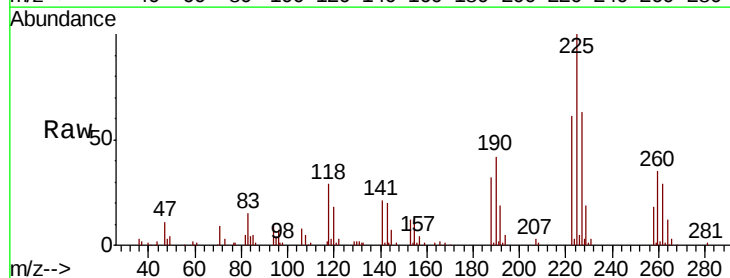
Instrument :
 MSVOA_N
 ClientSampleId :

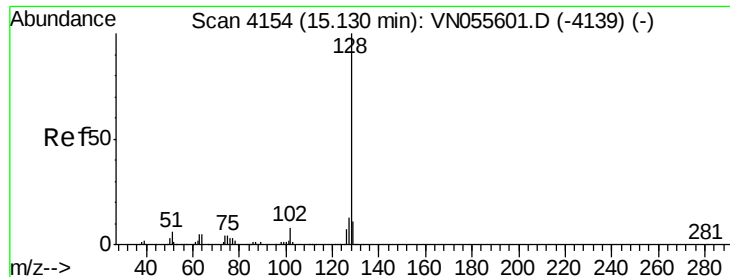
Tot Ion:180 Resp: 75680
 Ion Ratio Lower Upper
 180 100
 182 94.7 47.9 143.6
 145 28.1 14.3 42.9



#94
 Hexachlorobutadiene
 Concen: 29.771 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055704.D
 Acq: 21 May 2019 13:05

Tgt Ion:225 Resp: 59749
 Ion Ratio Lower Upper
 225 100
 223 60.8 31.6 94.7
 227 62.9 32.4 97.0





#95

Naphthalene

Concen: 21.081 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055704.D

Acq: 21 May 2019 13:05

Instrument :

MSVOA_N

ClientSampled :

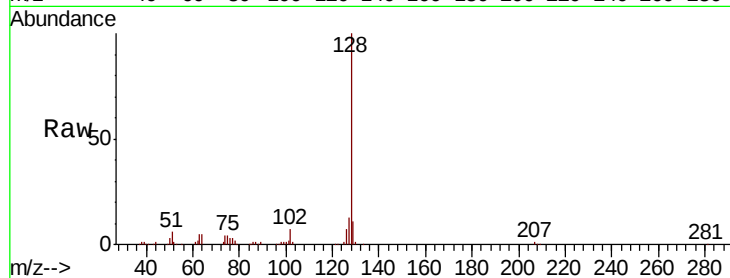
Tot Ion:128 Resp: 193289

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.4

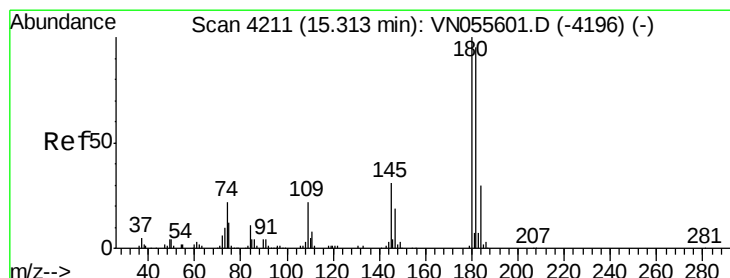
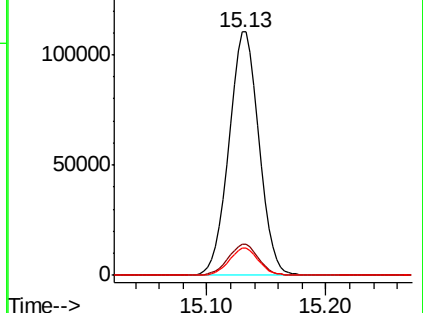
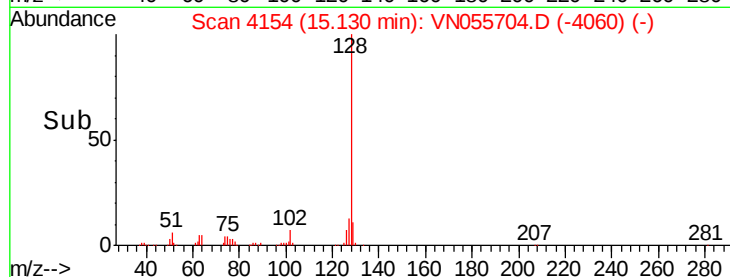
129 11.0 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

150000 Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 24.225 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN055704.D

Acq: 21 May 2019 13:05

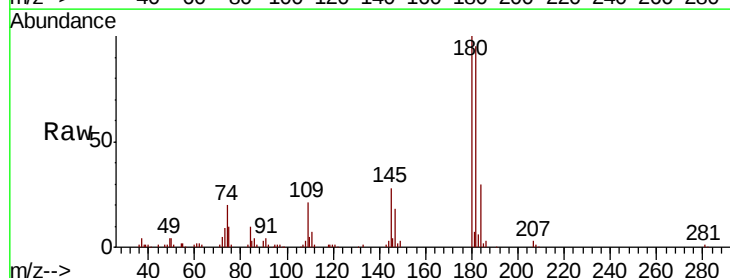
Tgt Ion:180 Resp: 81017

Ion Ratio Lower Upper

180 100

182 94.4 47.9 143.6

145 28.9 15.4 46.1



Abundance Ion 179.80 (179.50 to 180.50): V

60000 Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

