

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052119\
 Data File : VN055706.D
 Acq On : 21 May 2019 13:53
 Operator : JC/SP
 Sample : VN0521WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 22 05:11:55 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	329648	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	477664	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	409419	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	168660	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	163404	45.22	ug/l	0.00
Spiked Amount			Recovery	=	90.44%	
35) Dibromofluoromethane	7.59	113	152488	50.25	ug/l	0.00
Spiked Amount			Recovery	=	100.50%	
50) Toluene-d8	10.09	98	556854	48.54	ug/l	0.00
Spiked Amount			Recovery	=	97.08%	
62) 4-Bromofluorobenzene	12.40	95	183607	46.34	ug/l	0.00
Spiked Amount			Recovery	=	92.68%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	46281	18.247	ug/l	99
3) Chloromethane	2.06	50	60072	17.757	ug/l	99
4) Vinyl Chloride	2.18	62	67800	18.508	ug/l	97
5) Bromomethane	2.54	94	46658	19.985	ug/l	99
6) Chloroethane	2.70	64	40598	19.960	ug/l	99
7) Trichlorofluoromethane	3.02	101	92303	19.662	ug/l	97
8) Diethyl Ether	3.41	74	37838	20.064	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.76	101	57015	19.922	ug/l	97
10) Methyl Iodide	3.96	142	77748	18.844	ug/l	98
11) Tert butyl alcohol	4.77	59	68889	102.228	ug/l #	90
12) 1,1-Dichloroethene	3.74	96	57296	19.032	ug/l	97
13) Acrolein	3.61	56	28805	84.705	ug/l	97
14) Allyl chloride	4.33	41	91734	18.875	ug/l	99
15) Acrylonitrile	4.98	53	151200	100.850	ug/l	100
16) Acetone	3.81	43	142812	96.842	ug/l	99
17) Carbon Disulfide	4.06	76	143080	17.096	ug/l	100
18) Methyl Acetate	4.32	43	63139	19.971	ug/l	96
19) Methyl tert-butyl Ether	5.04	73	196489	19.729	ug/l	97
20) Methylene Chloride	4.55	84	66865	19.868	ug/l	96
21) trans-1,2-Dichloroethene	5.04	96	61100	19.052	ug/l	94
22) Diisopropyl ether	5.95	45	184337	19.141	ug/l	98
23) Vinyl Acetate	5.89	43	785857	96.168	ug/l	99
24) 1,1-Dichloroethane	5.85	63	109859	19.455	ug/l	99
25) 2-Butanone	6.83	43	204075	98.973	ug/l	98
26) 2,2-Dichloropropane	6.82	77	97823	19.519	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	73318	19.633	ug/l	96
28) Bromochloromethane	7.19	49	44065	17.937	ug/l	92
29) Tetrahydrofuran	7.21	42	130409	95.464	ug/l	98
30) Chloroform	7.37	83	114359	19.729	ug/l	98
31) Cyclohexane	7.65	56	96432	17.993	ug/l	92
32) 1,1,1-Trichloroethane	7.57	97	100640	19.358	ug/l	98
36) 1,1-Dichloropropene	7.79	75	79994	18.784	ug/l	97
37) Ethyl Acetate	6.93	43	80789	21.023	ug/l	98
38) Carbon Tetrachloride	7.78	117	90468	19.880	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	100071	19.493	ug/l	98
40) Benzene	8.04	78	255804	20.422	ug/l	100
41) Methacrylonitrile	7.20	41	115843	70.507	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	84326	20.790	ug/l	100
43) Isopropyl Acetate	8.16	43	133802	20.016	ug/l	98
44) Trichloroethene	8.84	130	74423	21.056	ug/l	96
45) 1,2-Dichloropropane	9.12	63	67085	20.330	ug/l	99
46) Dibromomethane	9.21	93	45346	20.996	ug/l	95
47) Bromodichloromethane	9.40	83	91575	20.231	ug/l	99
48) Methyl methacrylate	9.20	41	59677	19.973	ug/l	96
49) 1,4-Dioxane	9.20	88	27862	469.287	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	395418	100.842	ug/l	99
52) Toluene	10.16	92	163681	20.834	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	96055	19.716	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	108008	20.237	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	67325	20.815	ug/l	98
56) Ethyl methacrylate	10.43	69	101111	20.026	ug/l	96
57) 1,3-Dichloropropane	10.71	76	106652	20.820	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	172851	80.571	ug/l	98
59) 2-Hexanone	10.75	43	275878	99.931	ug/l	97
60) Dibromochloromethane	10.90	129	77546	21.154	ug/l	99
61) 1,2-Dibromoethane	11.01	107	68642	21.210	ug/l	98
64) Tetrachloroethene	10.63	164	70540	21.844	ug/l	98
65) Chlorobenzene	11.43	112	175435	21.185	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	71861	21.571	ug/l	99
67) Ethyl Benzene	11.51	91	307119	20.819	ug/l	99
68) m/p-Xylenes	11.62	106	234562	42.105	ug/l	97
69) o-Xylene	11.95	106	117134	21.498	ug/l	96
70) Styrene	11.96	104	189363	20.902	ug/l	98
71) Bromoform	12.13	173	61559	21.805	ug/l #	100
73) Isopropylbenzene	12.25	105	308360	24.841	ug/l	99
74) N-amyl acetate	12.07	43	104358	22.035	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	94568	24.543	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	110974	32.245	ug/l #	100
77) Bromobenzene	12.53	156	80434	23.221	ug/l	93
78) n-propylbenzene	12.59	91	316568	21.136	ug/l	98
79) 2-Chlorotoluene	12.67	91	197398	23.743	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	255543	24.222	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	27669	20.667	ug/l	99
82) 4-Chlorotoluene	12.77	91	180112	20.410	ug/l	97
83) tert-Butylbenzene	12.99	119	228806	25.293	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	251751	24.030	ug/l	99
85) sec-Butylbenzene	13.17	105	281372	23.835	ug/l	99
86) p-Isopropyltoluene	13.29	119	258847	23.739	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	123552	21.573	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	116962	21.389	ug/l	99
89) n-Butylbenzene	13.61	91	188454	20.362	ug/l	100
90) Hexachloroethane	13.87	117	50455	24.033	ug/l	94
91) 1,2-Dichlorobenzene	13.65	146	126813	22.213	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	15559	20.327	ug/l	87

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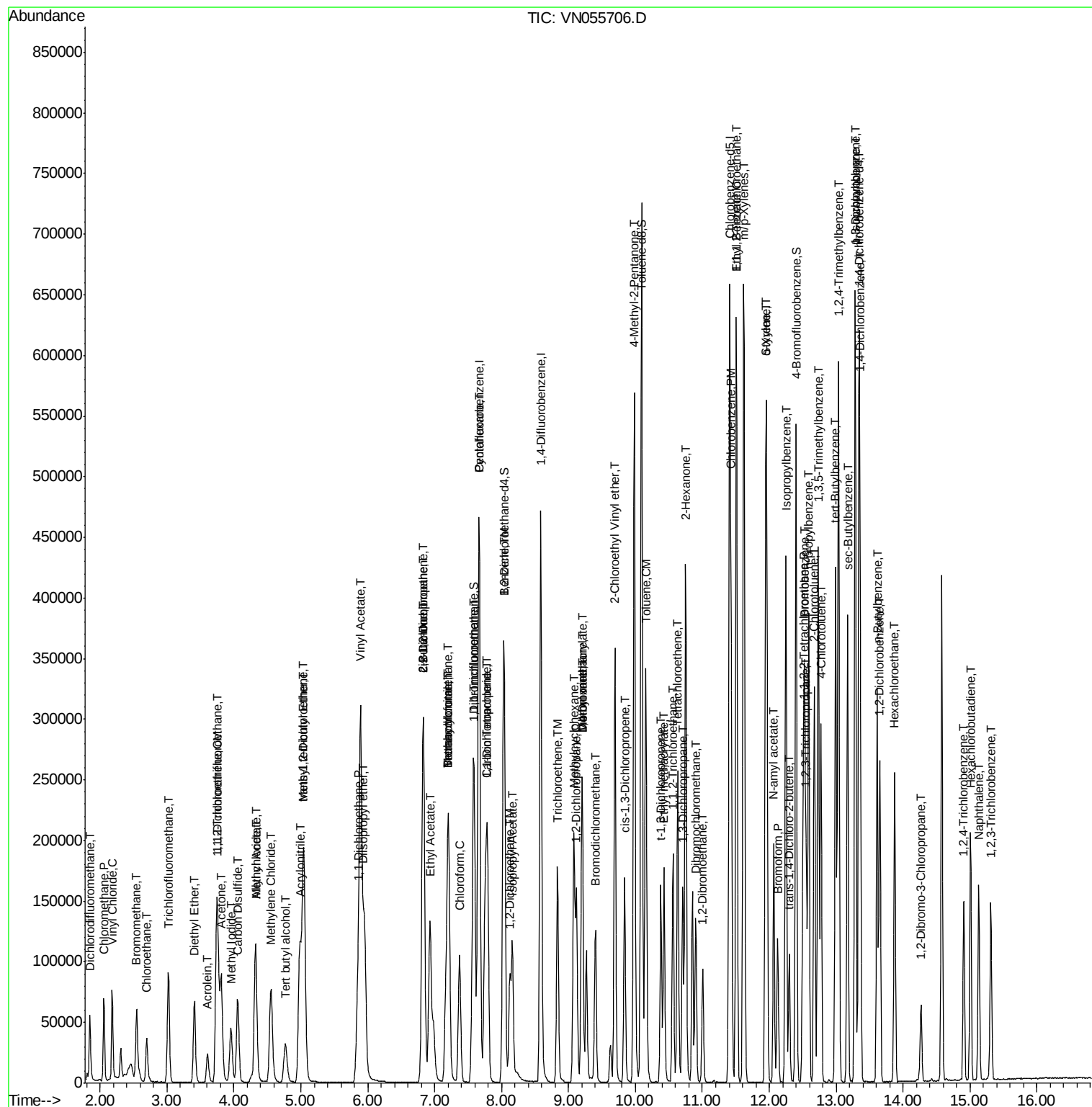
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	54508	18.757	ug/l	98
94) Hexachlorobutadiene	15.01	225	45366	24.371	ug/l	99
95) Naphthalene	15.13	128	145621	17.782	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	57419	18.897	ug/l	98

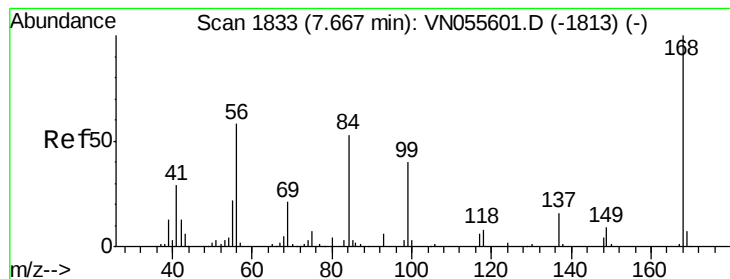
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN055706.D

Acq: 21 May 2019 13:53

Instrument :

MSVOA_N

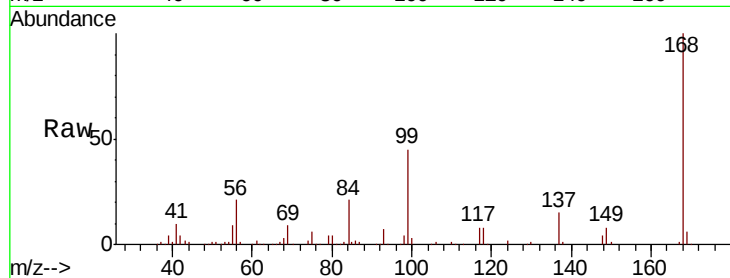
ClientSampled :

Tot Ion:168 Resp: 329648

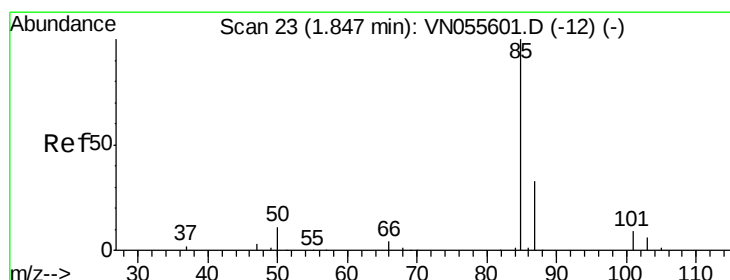
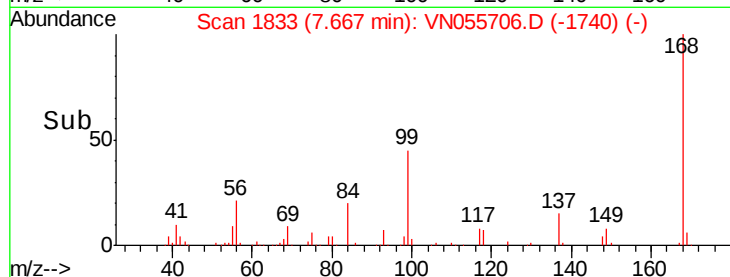
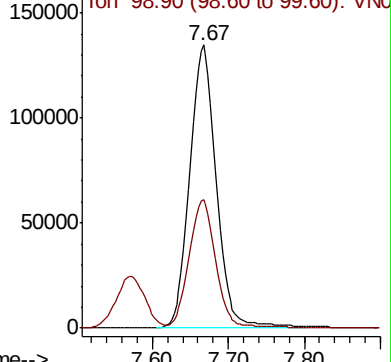
Ion Ratio Lower Upper

168 100

99 45.1 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN055706.D (-1740) (-)



#2

Dichlorodifluoromethane

Concen: 18.247 ug/l

RT: 1.85 min Scan# 23

Delta R.T. -0.00 min

Lab File: VN055706.D

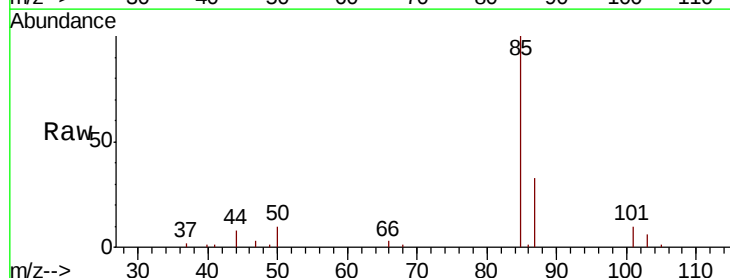
Acq: 21 May 2019 13:53

Tgt Ion: 85 Resp: 46281

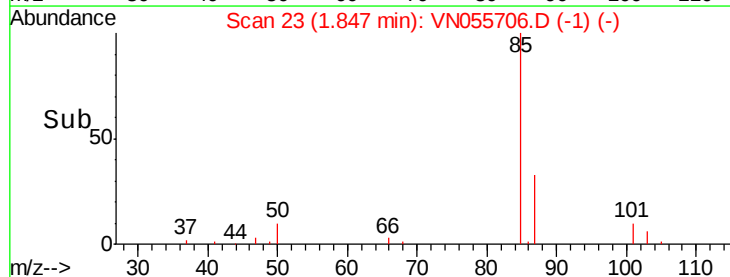
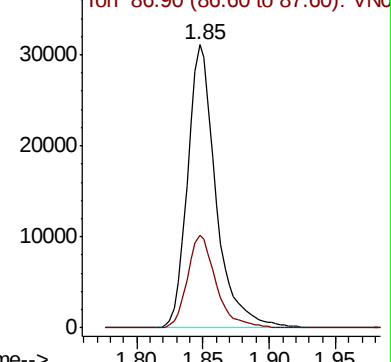
Ion Ratio Lower Upper

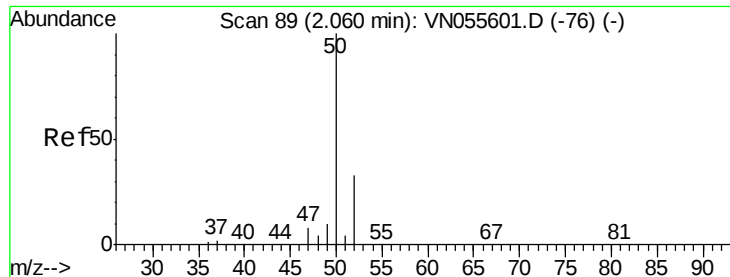
85 100

87 32.7 16.6 49.7



Abundance Ion 84.90 (84.60 to 85.60): VN055706.D (-1) (-)





#3

Chloromethane

Concen: 17.757 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN055706.D

Acq: 21 May 2019 13:53

Instrument :

MSVOA_N

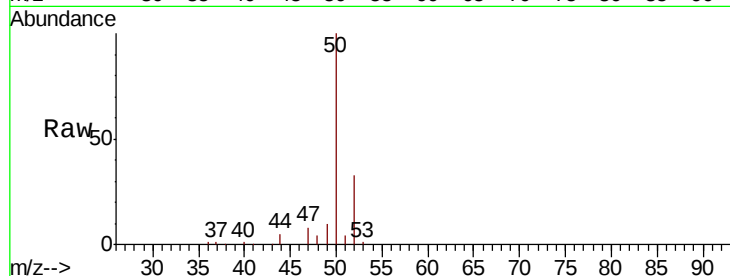
ClientSampleId :

Tot Ion: 50 Resp: 60072

Ion Ratio Lower Upper

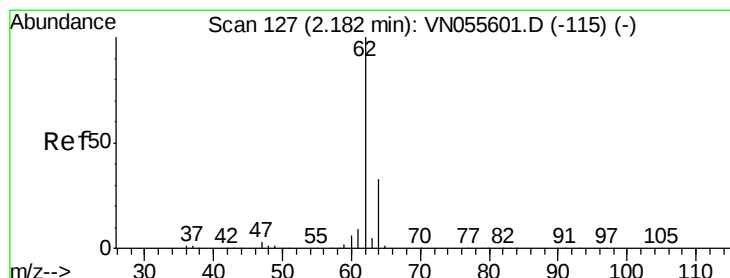
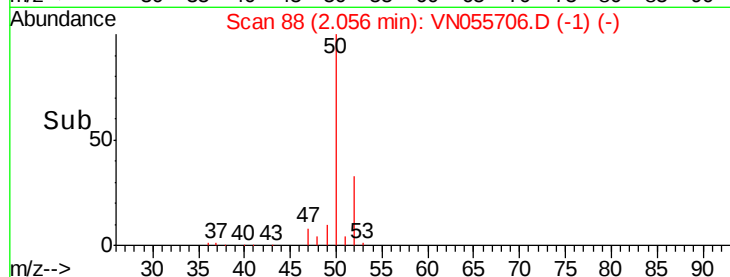
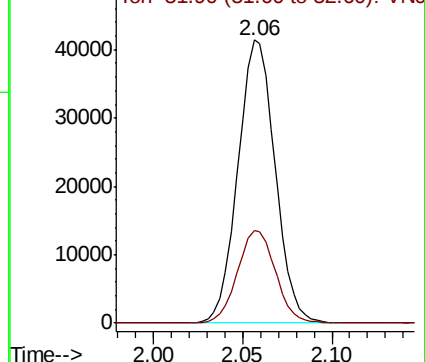
50 100

52 32.9 26.7 40.1



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 18.508 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN055706.D

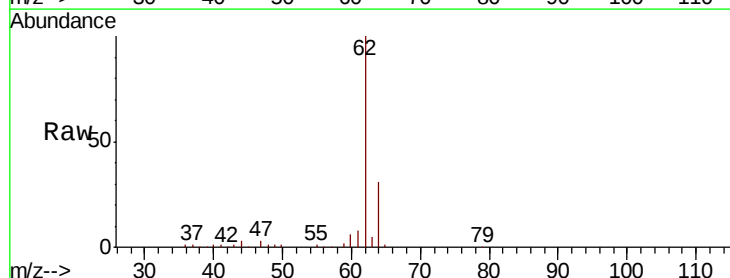
Acq: 21 May 2019 13:53

Tgt Ion: 62 Resp: 67800

Ion Ratio Lower Upper

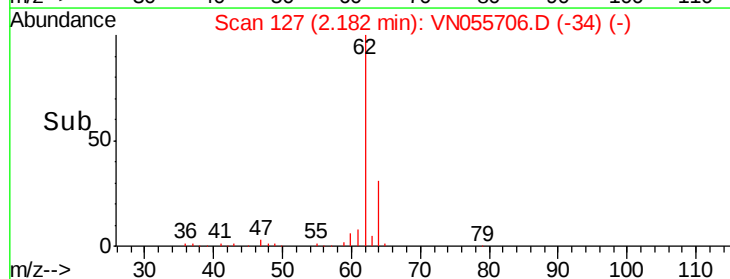
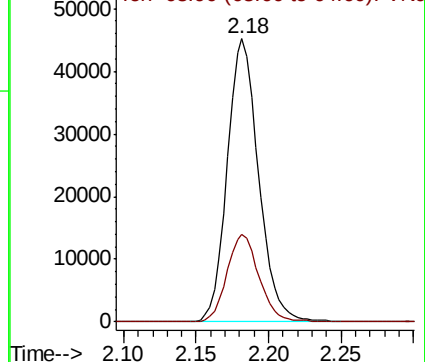
62 100

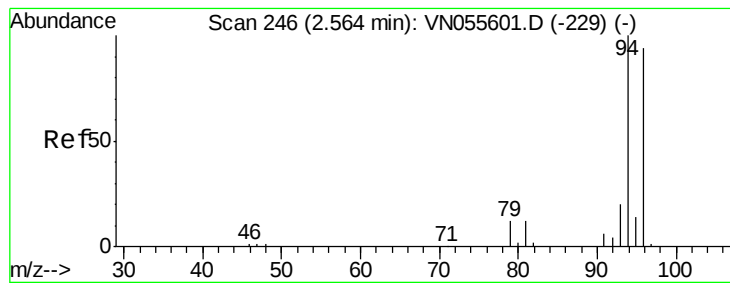
64 31.1 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 19.985 ug/l

RT: 2.54 min Scan# 240

Delta R.T. -0.02 min

Lab File: VN055706.D

Acq: 21 May 2019 13:53

Instrument :

MSVOA_N

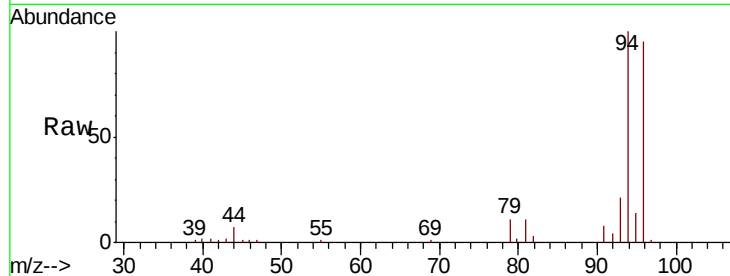
ClientSampleId :

Tot Ion: 94 Resp: 46658

Ion Ratio Lower Upper

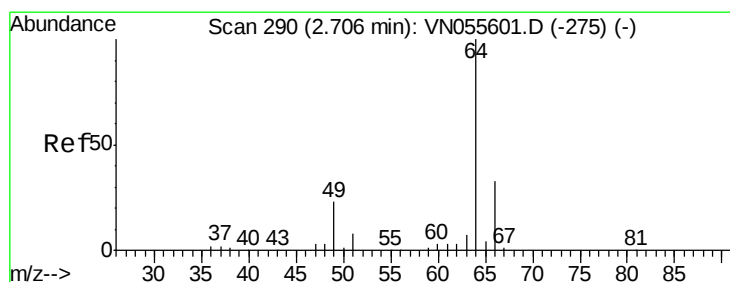
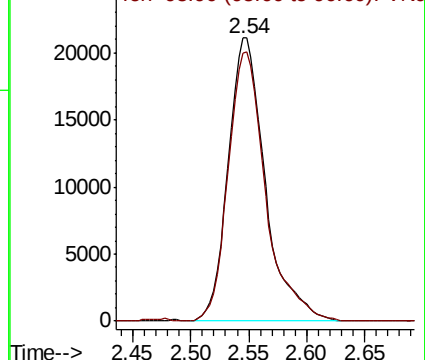
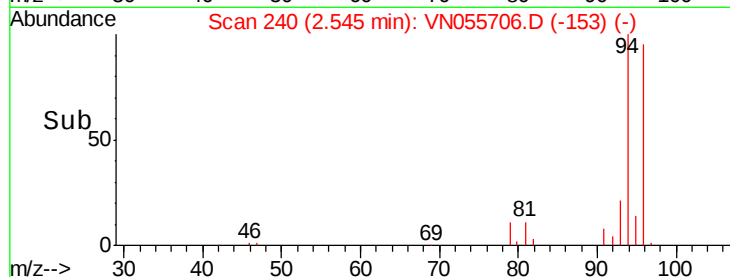
94 100

96 94.8 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VN055706.D (-153) (-)

Ion 95.90 (95.60 to 96.60): VN055706.D (-153) (-)



#6

Chloroethane

Concen: 19.960 ug/l

RT: 2.70 min Scan# 287

Delta R.T. -0.01 min

Lab File: VN055706.D

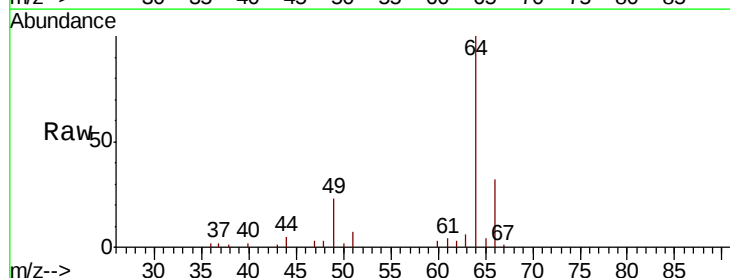
Acq: 21 May 2019 13:53

Tgt Ion: 64 Resp: 40598

Ion Ratio Lower Upper

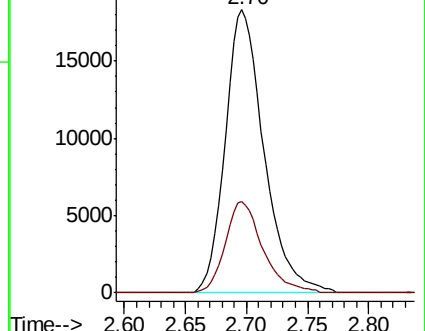
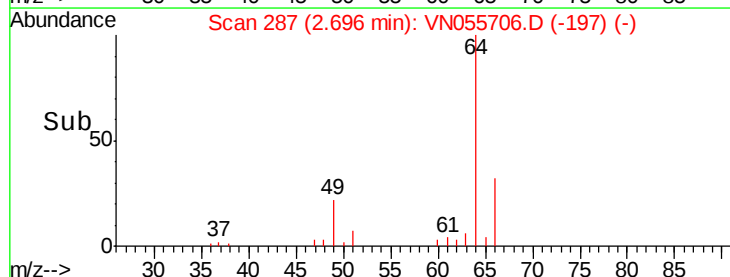
64 100

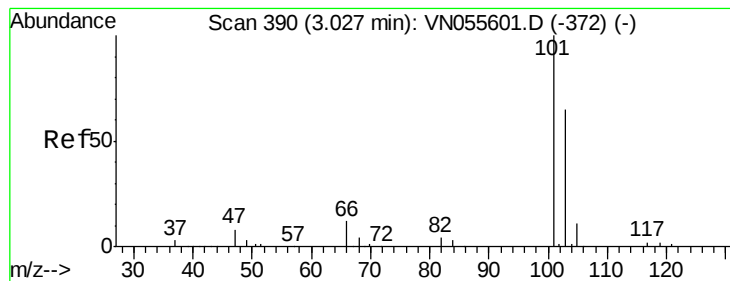
66 32.1 26.2 39.4



Abundance Ion 63.90 (63.60 to 64.60): VN055706.D (-197) (-)

Ion 65.90 (65.60 to 66.60): VN055706.D (-197) (-)



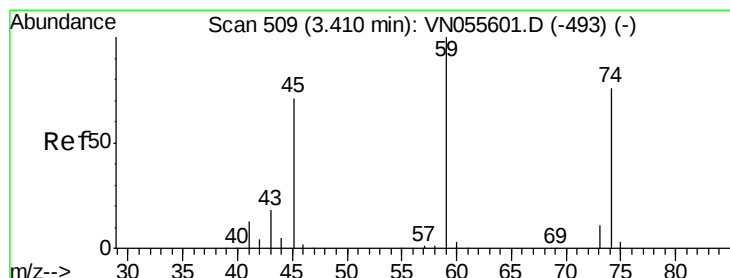
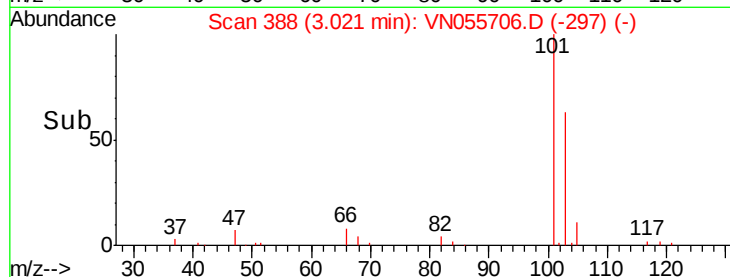
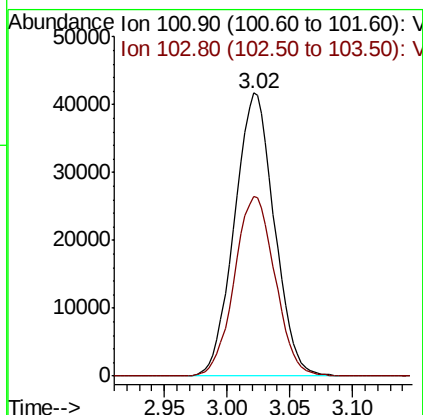
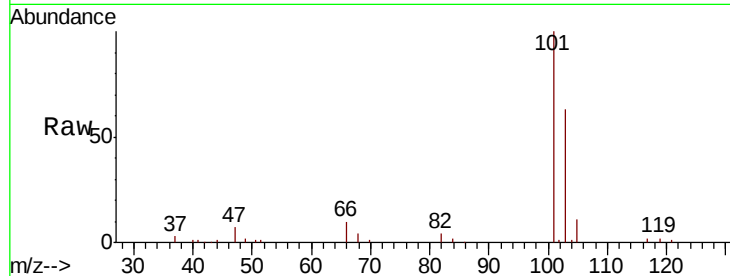


#7

Trichlorofluoromethane
 Concen: 19.662 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. -0.01 min
 Lab File: VN055706.D
 Acq: 21 May 2019 13:53

Instrument :
 MSVOA_N
 ClientSampled :

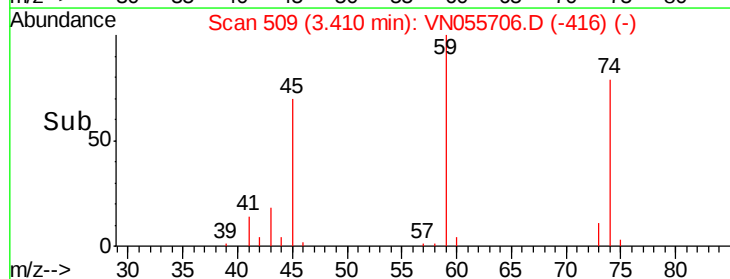
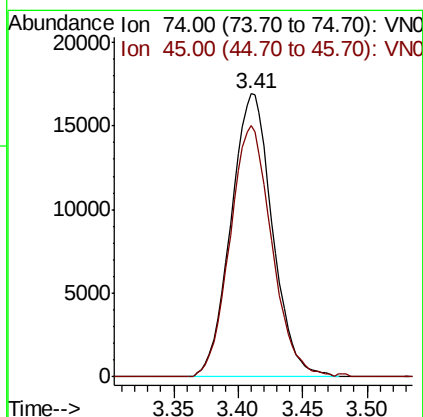
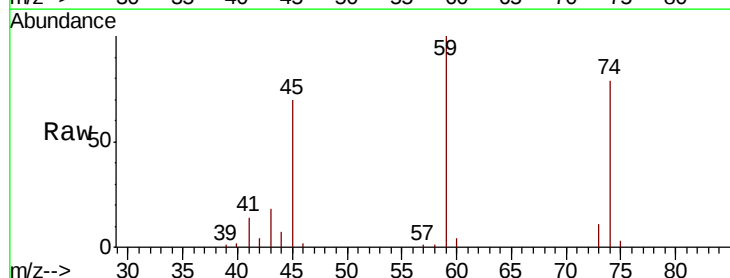
Tot Ion:101 Resp: 92303
 Ion Ratio Lower Upper
 101 100
 103 63.4 52.3 78.5

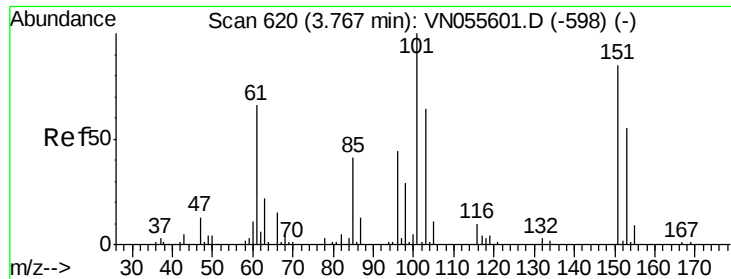


#8

Diethyl Ether
 Concen: 20.064 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN055706.D
 Acq: 21 May 2019 13:53

Tgt Ion: 74 Resp: 37838
 Ion Ratio Lower Upper
 74 100
 45 89.5 46.4 139.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.922 ug/l

RT: 3.76 min Scan# 619

Delta R.T. -0.00 min

Lab File: VN055706.D

Acq: 21 May 2019 13:53

Instrument :

MSVOA_N

ClientSampled :

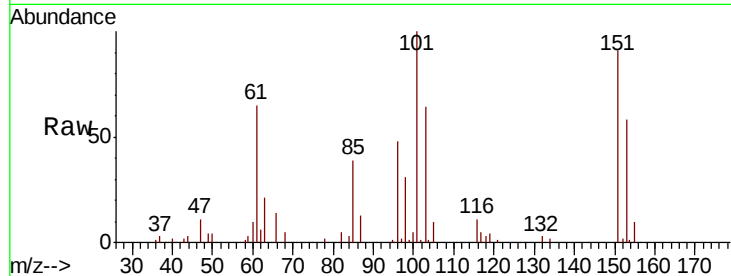
Tot Ion:101 Resp: 57015

Ion Ratio Lower Upper

101 100

85 40.8 33.4 50.0

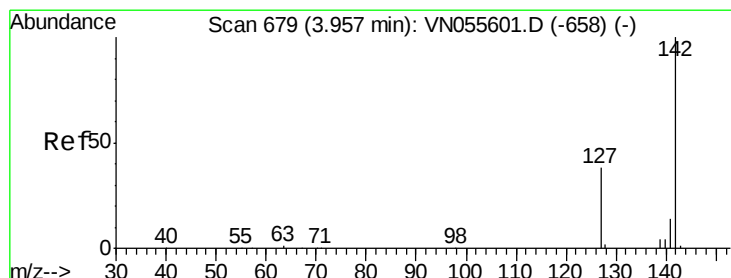
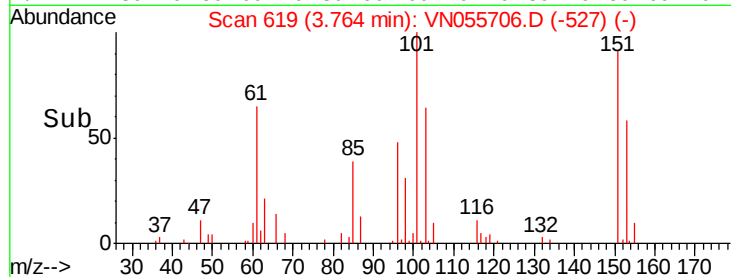
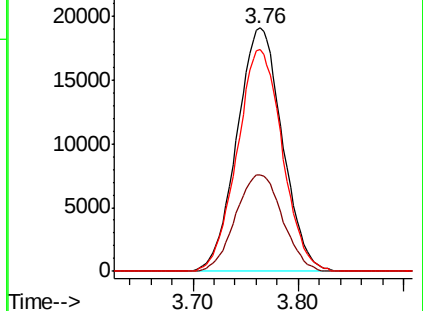
151 90.7 69.3 103.9



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: 18.844 ug/l

RT: 3.96 min Scan# 679

Delta R.T. -0.00 min

Lab File: VN055706.D

Acq: 21 May 2019 13:53

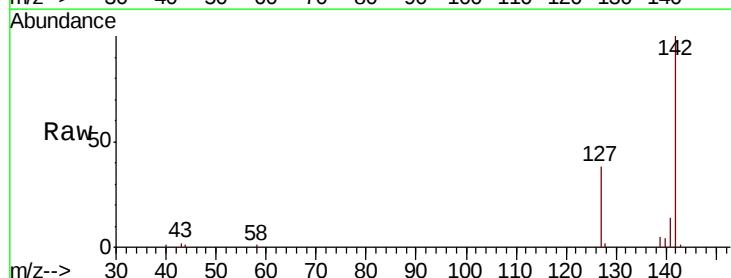
Tgt Ion:142 Resp: 77748

Ion Ratio Lower Upper

142 100

127 37.7 31.0 46.4

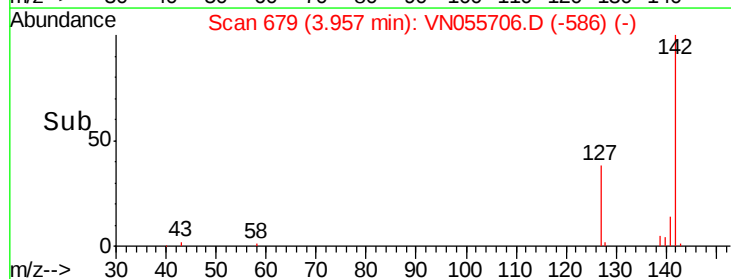
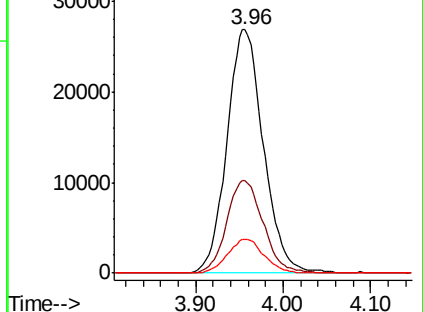
141 13.9 11.5 17.3

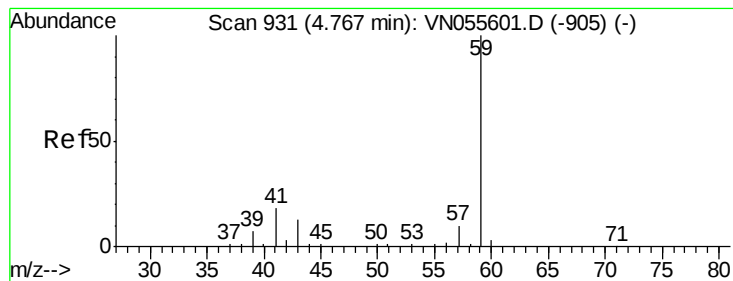


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



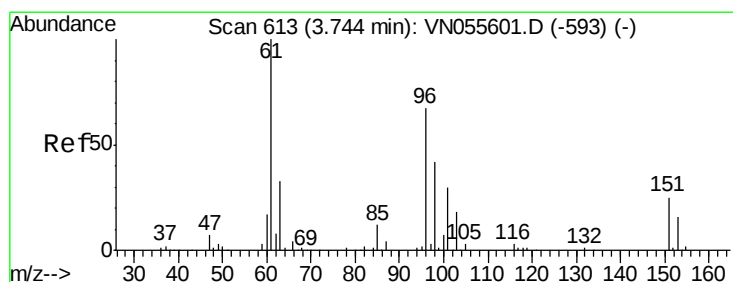
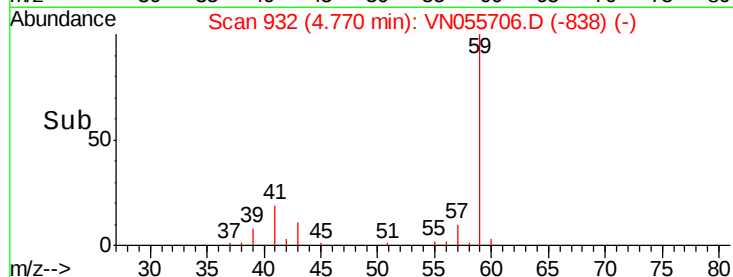
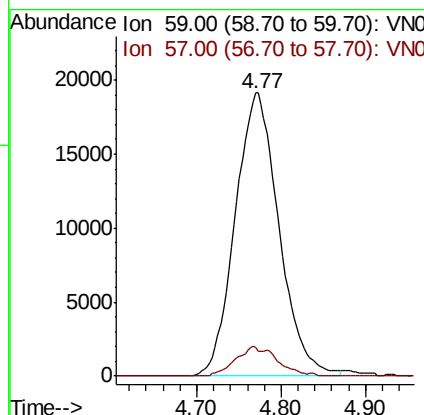
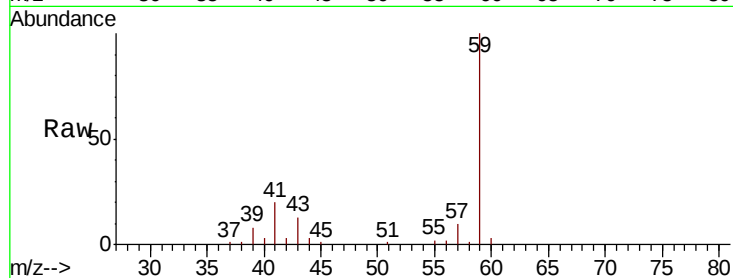


#11

Tert butyl alcohol
 Concen: 102.228 ug/l
 RT: 4.77 min Scan# 932
 Delta R.T. 0.00 min
 Lab File: VN055706.D
 Acq: 21 May 2019 13:53

Instrument :
 MSVOA_N
 ClientSampleId :

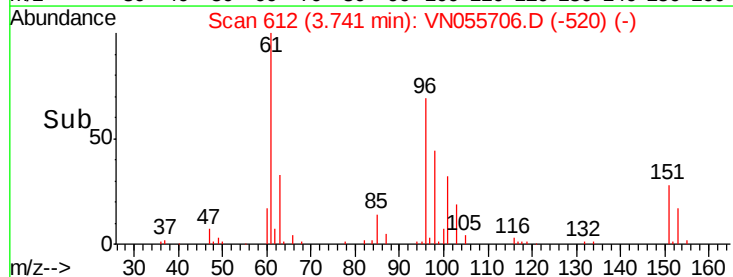
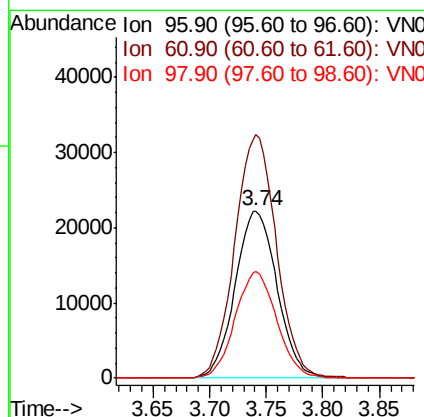
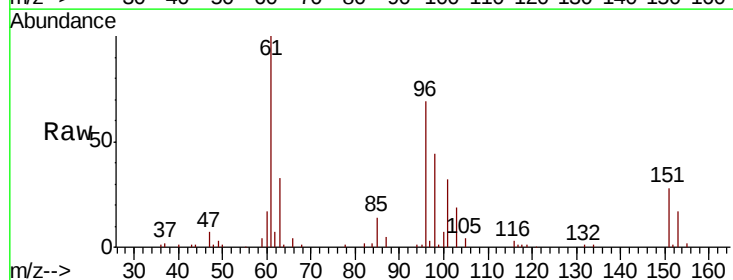
Tot Ion: 59 Resp: 68889
 Ion Ratio Lower Upper
 59 100
 57 5.9 7.8 11.6#

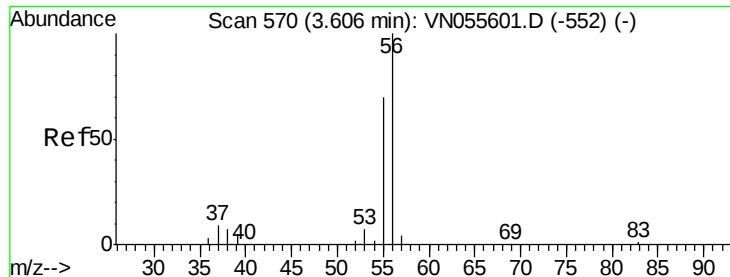


#12

1,1-Dichloroethene
 Concen: 19.032 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. -0.00 min
 Lab File: VN055706.D
 Acq: 21 May 2019 13:53

Tgt Ion: 96 Resp: 57296
 Ion Ratio Lower Upper
 96 100
 61 145.4 120.2 180.2
 98 63.8 50.6 75.8





#13

Acrolein

Concen: 84.705 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN055706.D

Acq: 21 May 2019 13:53

Instrument :

MSVOA_N

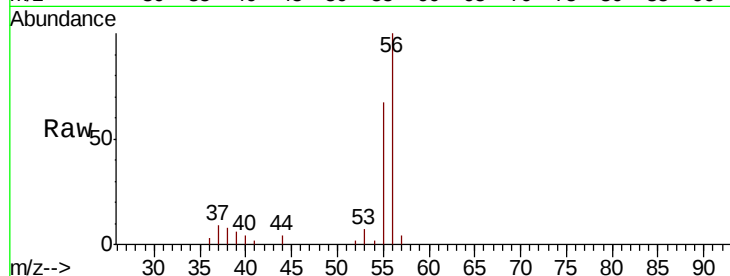
ClientSampleId :

Tot Ion: 56 Resp: 28805

Ion Ratio Lower Upper

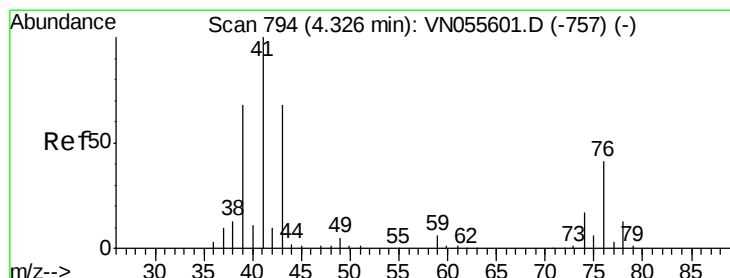
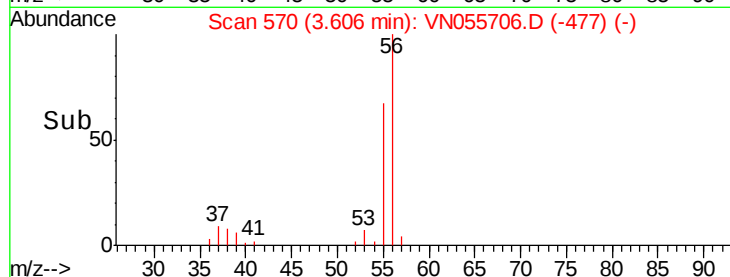
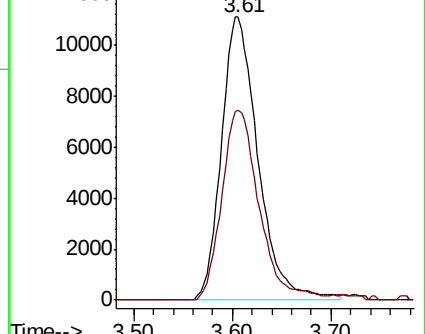
56 100

55 68.3 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: 18.875 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN055706.D

Acq: 21 May 2019 13:53

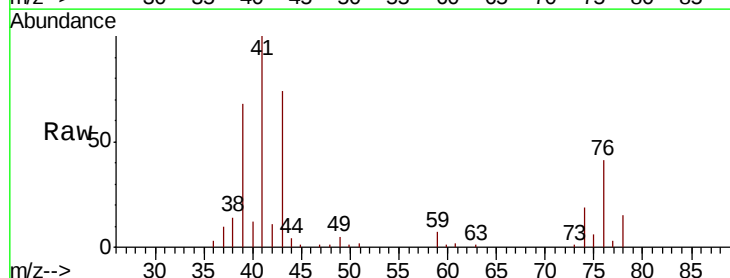
Tgt Ion: 41 Resp: 91734

Ion Ratio Lower Upper

41 100

39 63.6 50.5 75.7

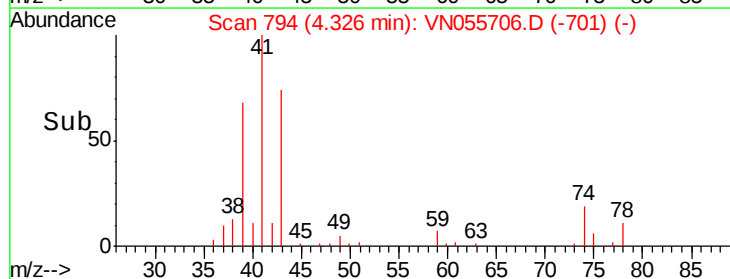
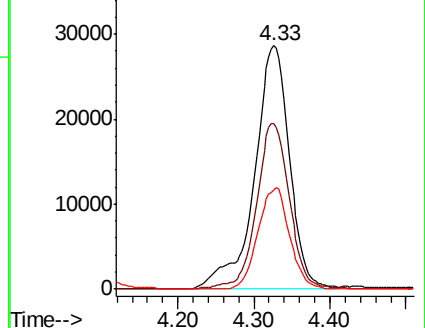
76 37.3 29.2 43.8

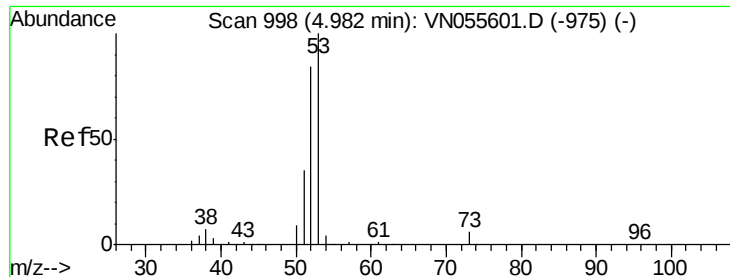


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 100.850 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.00 min

Lab File: VN055706.D

Acq: 21 May 2019 13:53

Instrument :

MSVOA_N

ClientSampled :

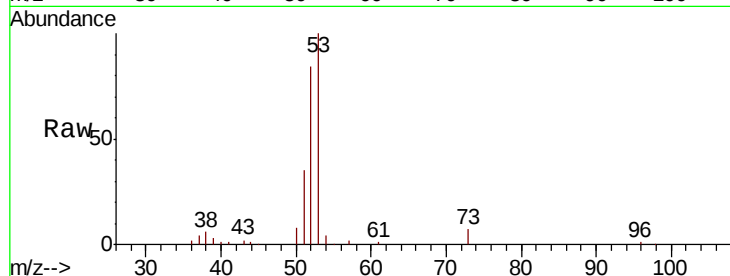
Tot Ion: 53 Resp: 151200

Ion Ratio Lower Upper

53 100

52 82.5 66.2 99.4

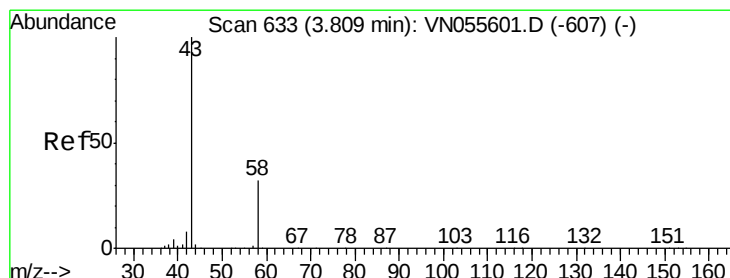
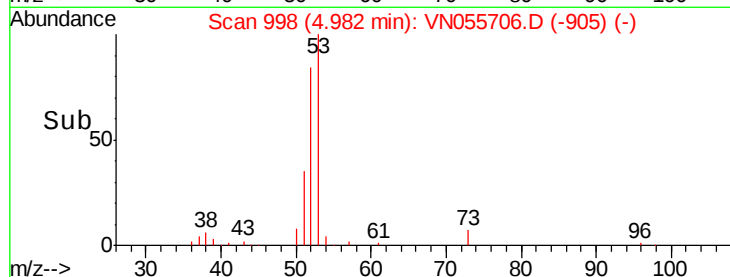
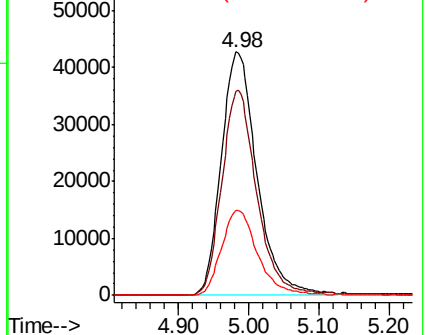
51 35.4 28.5 42.7



Abundance Ion 53.00 (52.70 to 53.70): VN055706.D (-905) (-)

Ion 52.00 (51.70 to 52.70): VN055706.D (-905) (-)

Ion 51.00 (50.70 to 51.70): VN055706.D (-905) (-)



#16

Acetone

Concen: 96.842 ug/l

RT: 3.81 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN055706.D

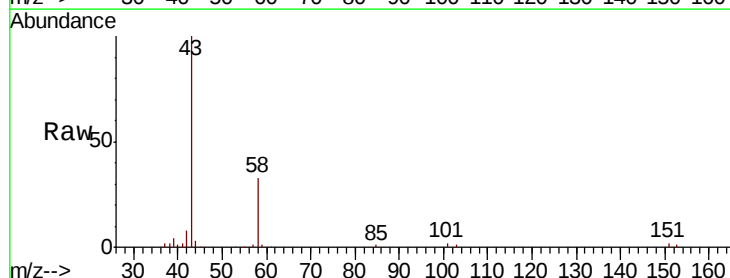
Acq: 21 May 2019 13:53

Tgt Ion: 43 Resp: 142812

Ion Ratio Lower Upper

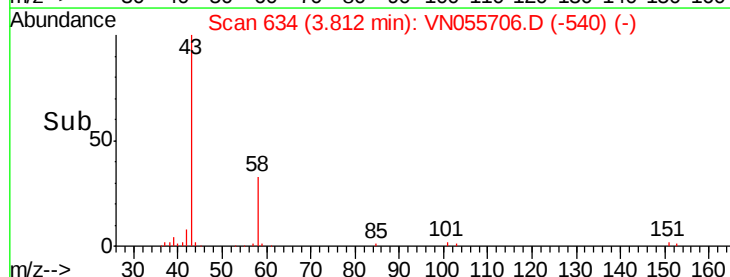
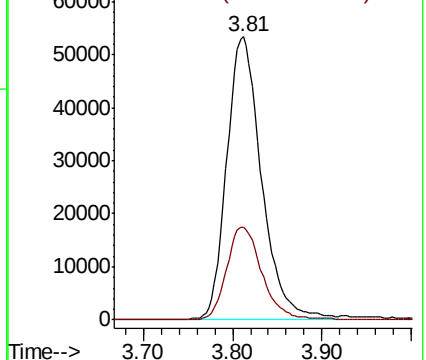
43 100

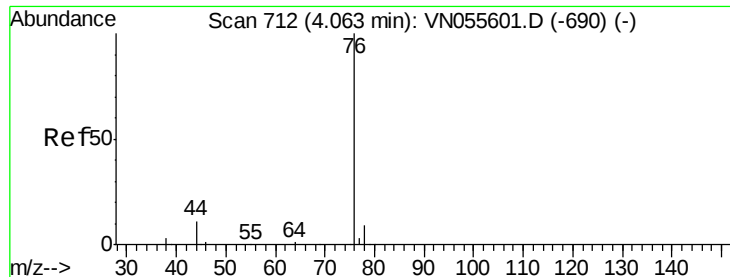
58 32.8 26.0 39.0



Abundance Ion 43.00 (42.70 to 43.70): VN055706.D (-540) (-)

Ion 58.00 (57.70 to 58.70): VN055706.D (-540) (-)

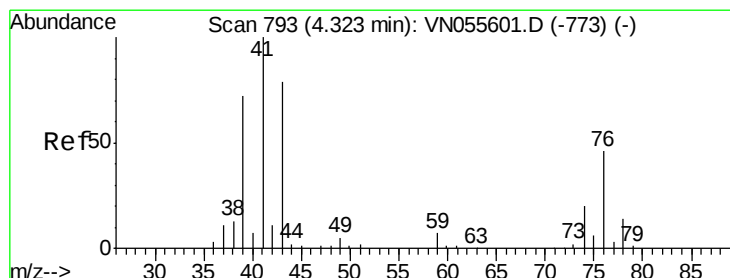
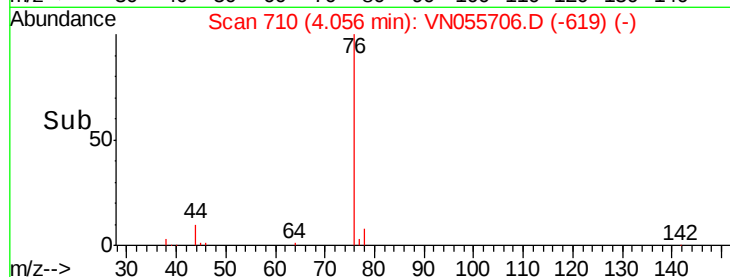
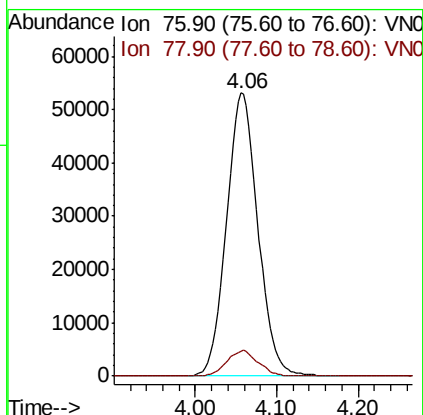
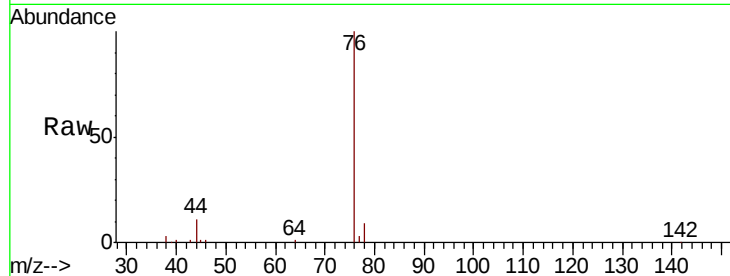




#17
Carbon Disulfide
Concen: 17.096 ug/l
RT: 4.06 min Scan# 710
Delta R.T. -0.01 min
Lab File: VN055706.D
Acq: 21 May 2019 13:53

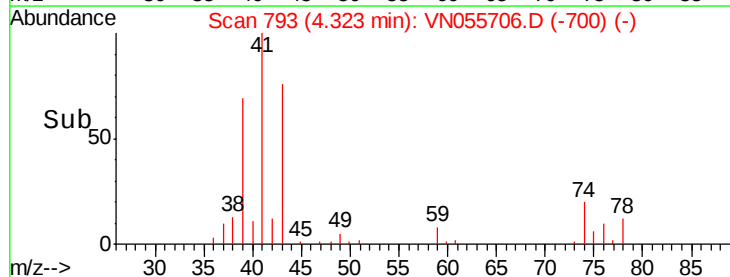
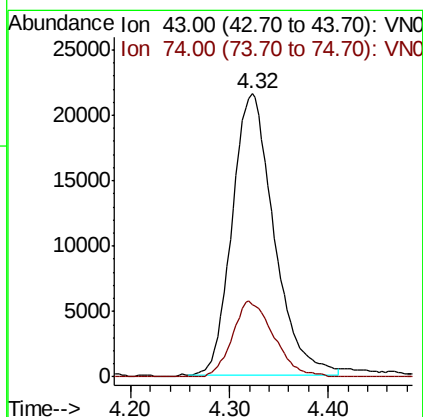
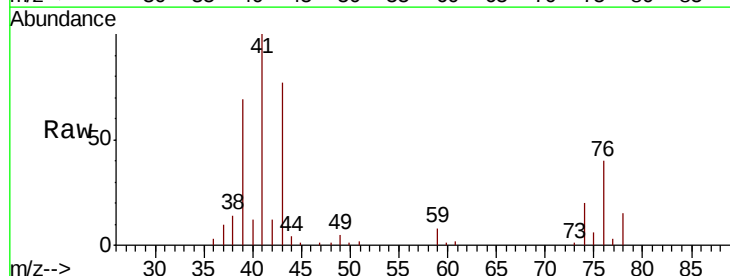
Instrument :
MSVOA_N
ClientSampled :

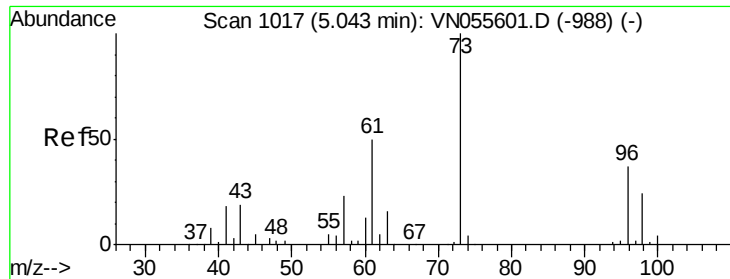
Tot Ion: 76 Resp: 143080
Ion Ratio Lower Upper
76 100
78 9.0 7.3 10.9



#18
Methyl Acetate
Concen: 19.971 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN055706.D
Acq: 21 May 2019 13:53

Tgt Ion: 43 Resp: 63139
Ion Ratio Lower Upper
43 100
74 26.7 19.9 29.9

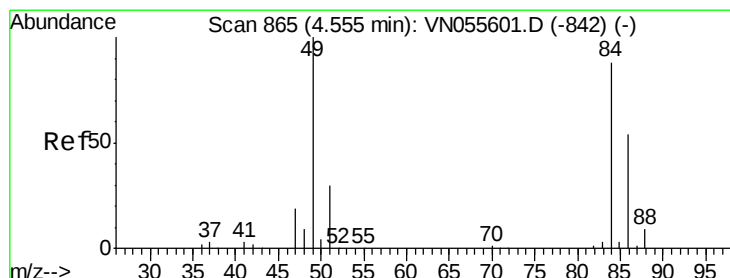
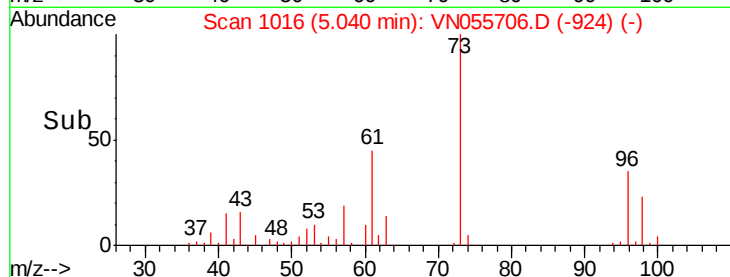
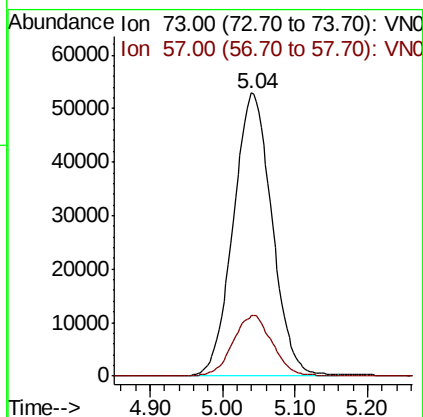
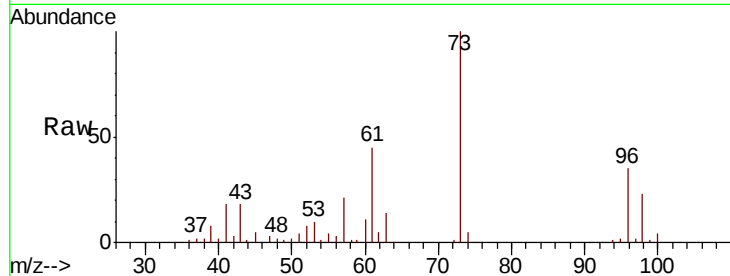




#19
Methvl tert-butvl Ether
Concen: 19.729 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VN055706.D
Acq: 21 May 2019 13:53

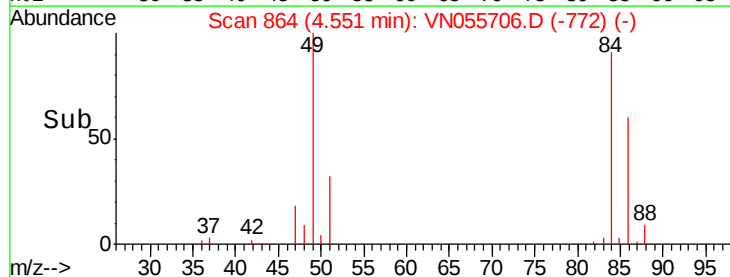
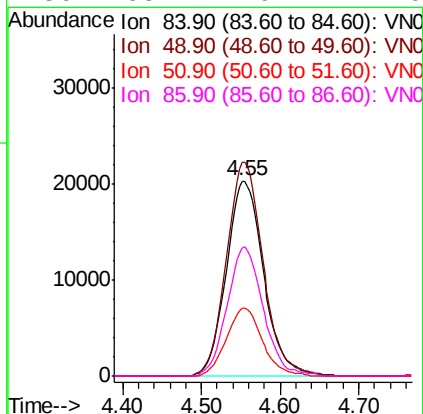
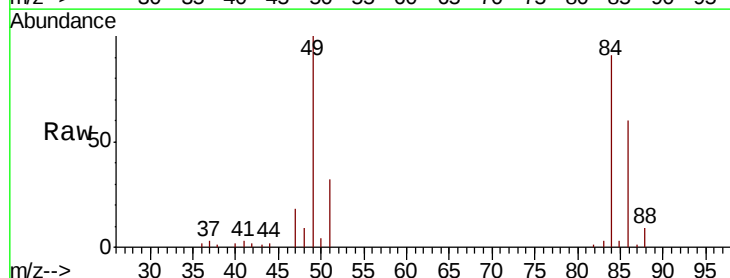
Instrument :
MSVOA_N
ClientSampled :

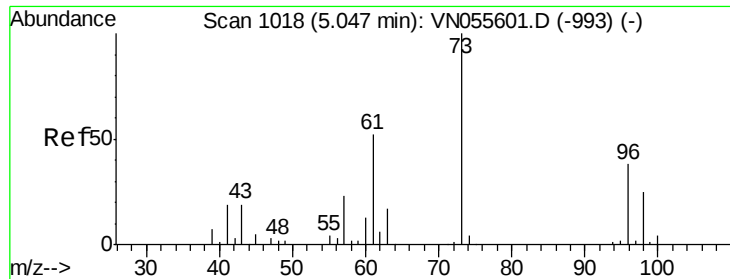
Tot Ion: 73 Resp: 196489
Ion Ratio Lower Upper
73 100
57 21.2 18.2 27.2



#20
Methylene Chloride
Concen: 19.868 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN055706.D
Acq: 21 May 2019 13:53

Tgt Ion: 84 Resp: 66865
Ion Ratio Lower Upper
84 100
49 109.6 91.0 136.4
51 35.0 27.5 41.3
86 65.7 49.4 74.0

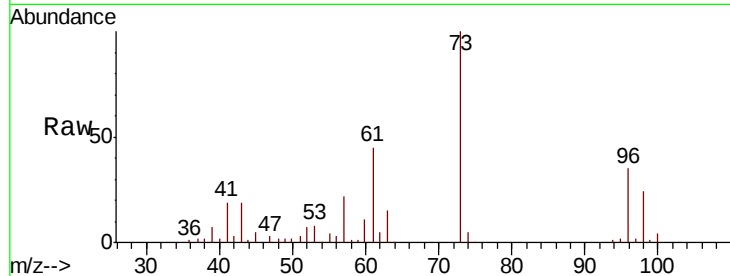




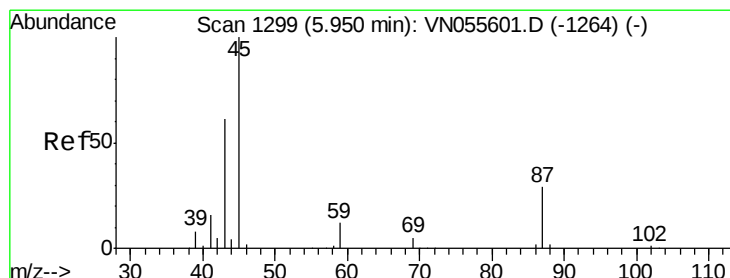
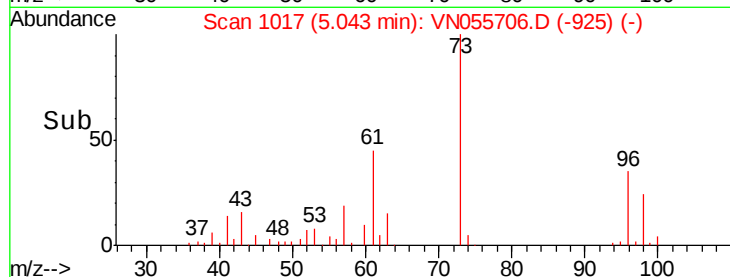
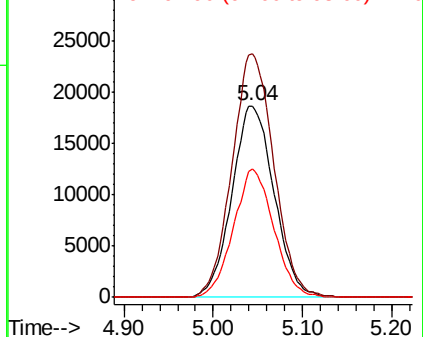
#21
trans-1,2-Dichloroethene
Concen: 19.052 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN055706.D
Acq: 21 May 2019 13:53

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 61100
Ion Ratio Lower Upper
96 100
61 127.4 108.6 162.8
98 67.2 51.4 77.0

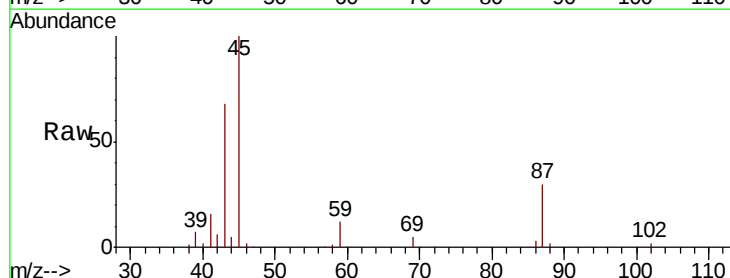


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

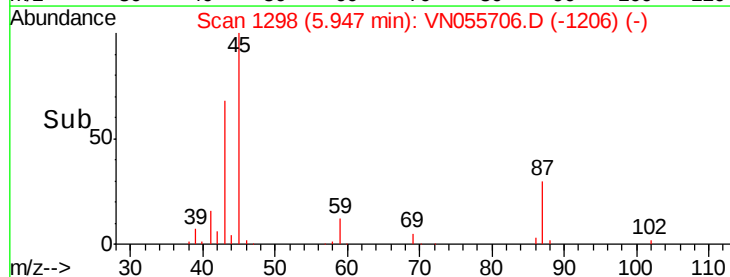
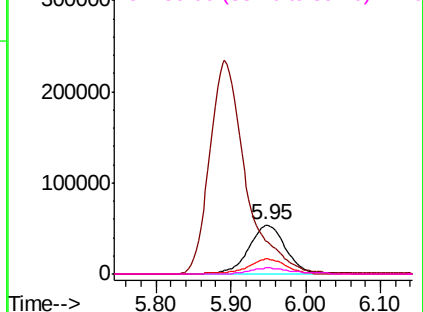


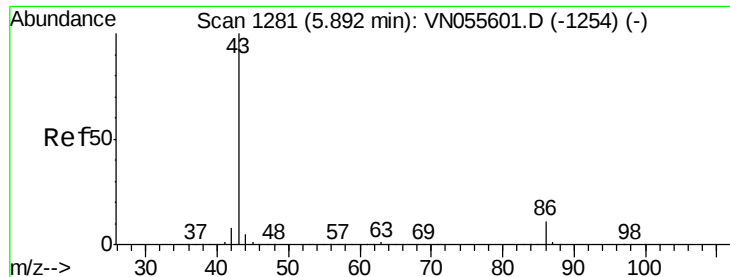
#22
Diisopropyl ether
Concen: 19.141 ug/l
RT: 5.95 min Scan# 1298
Delta R.T. -0.00 min
Lab File: VN055706.D
Acq: 21 May 2019 13:53

Tgt Ion: 45 Resp: 184337
Ion Ratio Lower Upper
45 100
43 65.0 50.4 75.6
87 29.9 23.8 35.6
59 11.8 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: 96.168 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VN055706.D

Acq: 21 May 2019 13:53

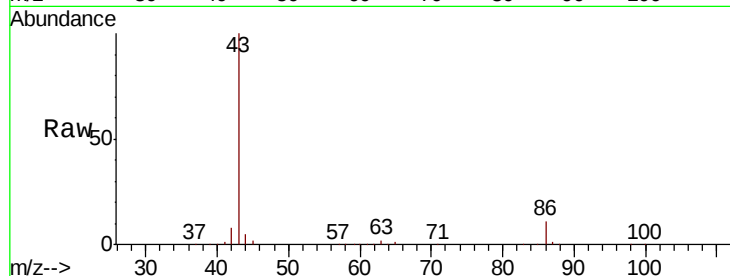
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 785857

Ion Ratio Lower Upper

43 100

86 11.4 8.7 13.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

250000

200000

150000

100000

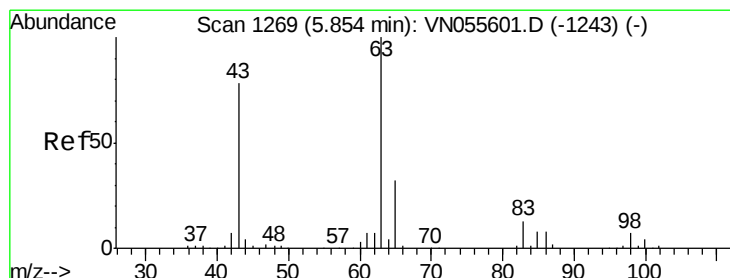
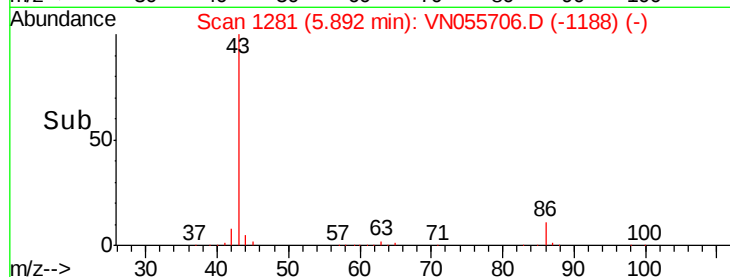
50000

0

5.89

5.70 5.80 5.90 6.00 6.10

Time-->



#24

1,1-Dichloroethane

Concen: 19.455 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN055706.D

Acq: 21 May 2019 13:53

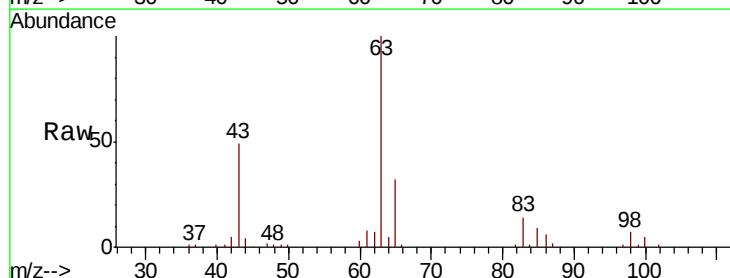
Tgt Ion: 63 Resp: 109859

Ion Ratio Lower Upper

63 100

98 6.9 3.4 10.2

100 4.7 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

40000

30000

20000

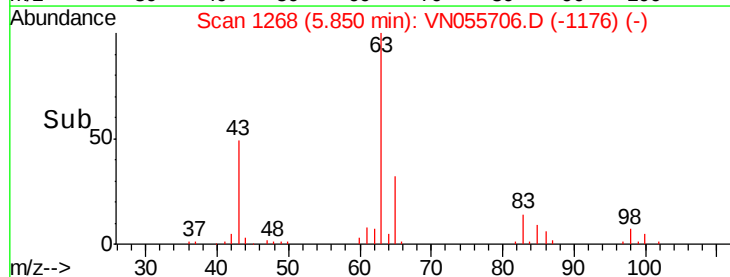
10000

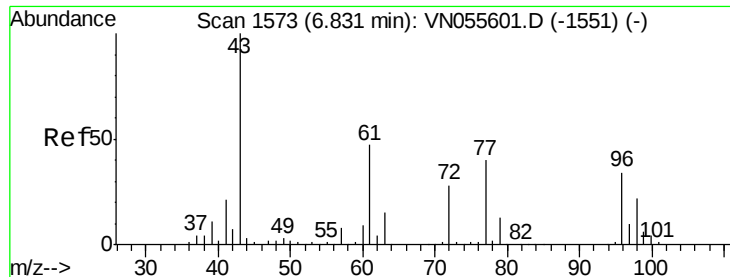
0

5.85

5.70 5.80 5.90

Time-->





#25

2-Butanone

Concen: 98.973 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN055706.D

Acq: 21 May 2019 13:53

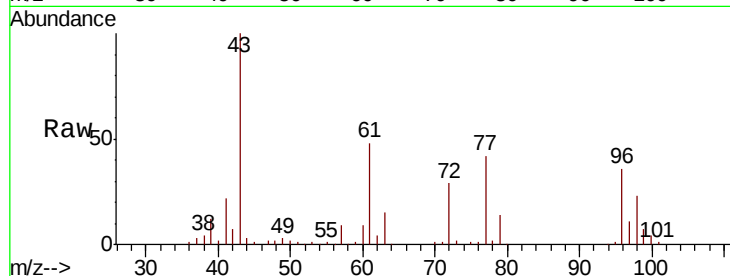
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 204075

Ion Ratio Lower Upper

43 100

72 29.0 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.83

80000

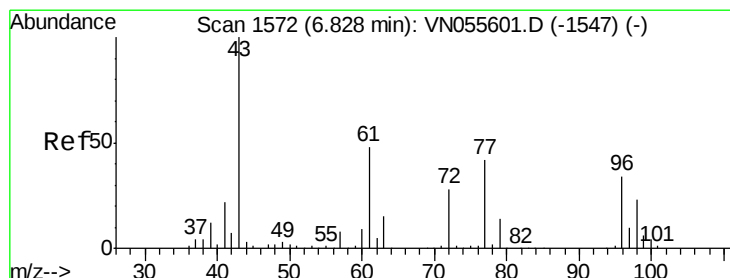
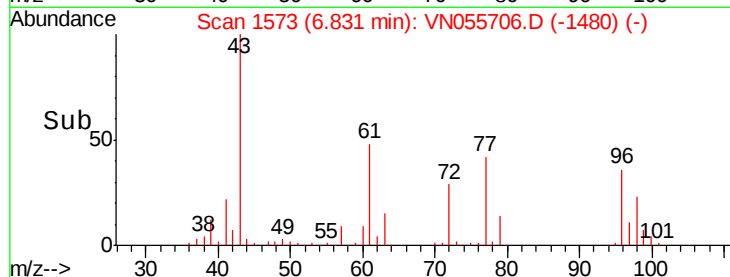
60000

40000

20000

0

Time--> 6.70 6.75 6.80 6.85 6.90



#26

2,2-Dichloropropane

Concen: 19.519 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN055706.D

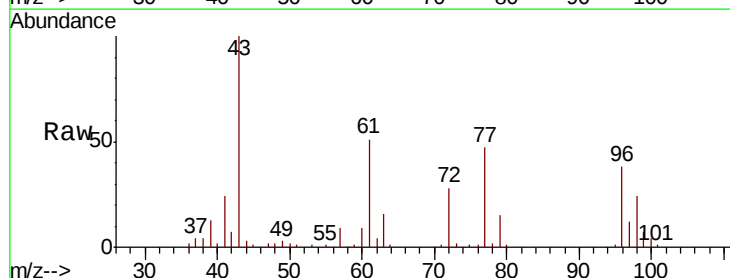
Acq: 21 May 2019 13:53

Tgt Ion: 77 Resp: 97823

Ion Ratio Lower Upper

77 100

97 24.7 12.0 36.0



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.82

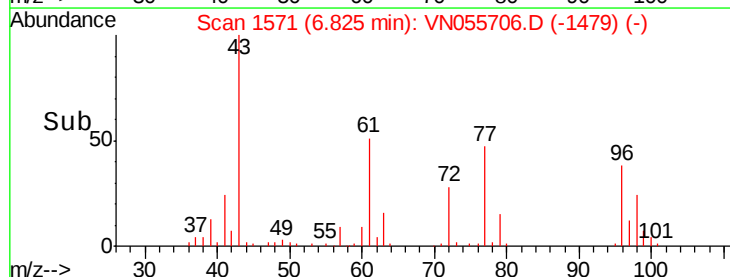
30000

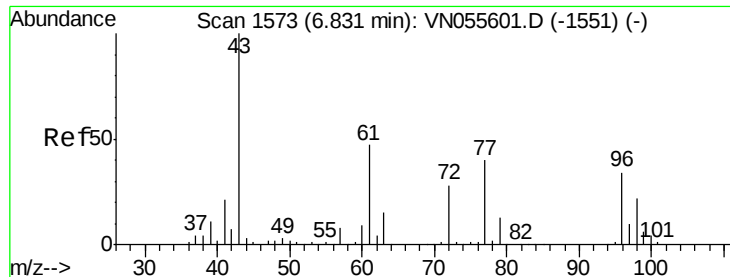
20000

10000

0

Time--> 6.70 6.80 6.90





#27

cis-1,2-Dichloroethene

Concen: 19.633 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN055706.D

Acq: 21 May 2019 13:53

Instrument :

MSVOA_N

ClientSampleId :

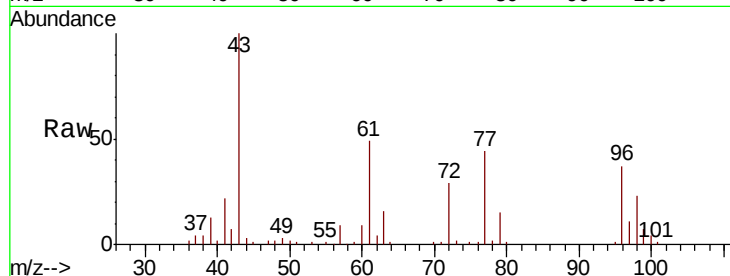
Tot Ion: 96 Resp: 73318

Ion Ratio Lower Upper

96 100

61 133.3 0.0 279.0

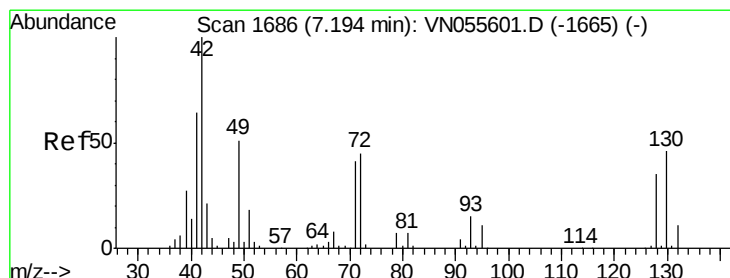
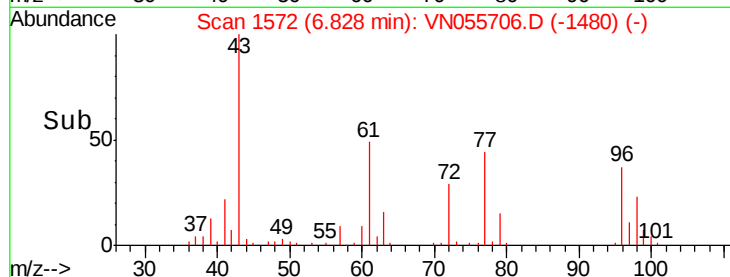
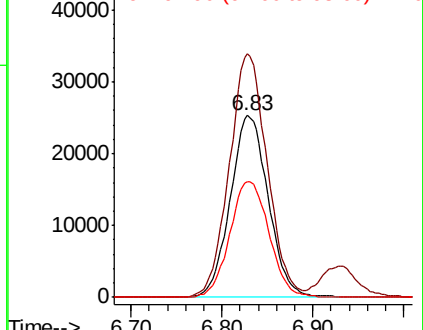
98 65.7 0.0 131.6



Abundance Ion 95.90 (95.60 to 96.60): VN055706.D (-1480) (-)

Ion 60.90 (60.60 to 61.60): VN055706.D (-1480) (-)

Ion 97.90 (97.60 to 98.60): VN055706.D (-1480) (-)



#28

Bromochloromethane

Concen: 17.937 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN055706.D

Acq: 21 May 2019 13:53

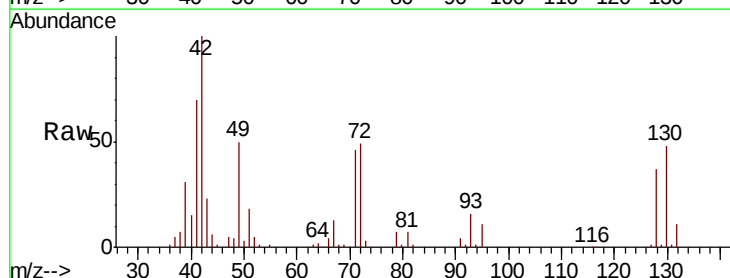
Tgt Ion: 49 Resp: 44065

Ion Ratio Lower Upper

49 100

129 2.2 0.0 4.4

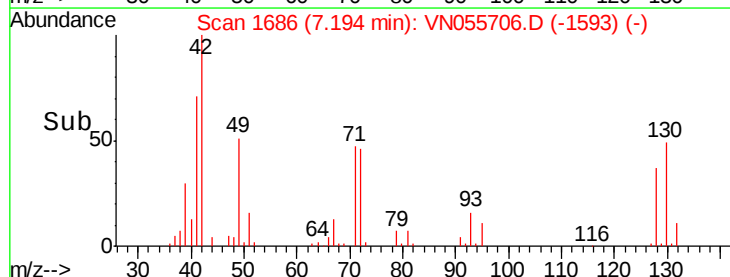
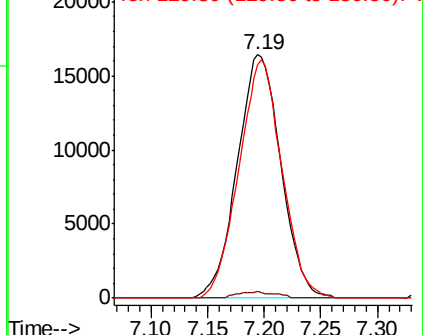
130 96.2 71.0 106.6

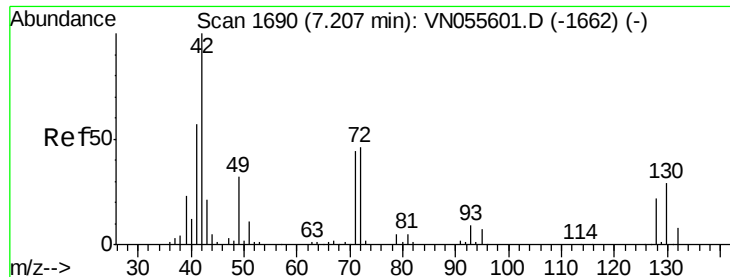


Abundance Ion 48.90 (48.60 to 49.60): VN055706.D (-1593) (-)

Ion 128.80 (128.50 to 129.50): VN055706.D (-1593) (-)

Ion 129.80 (129.50 to 130.50): VN055706.D (-1593) (-)

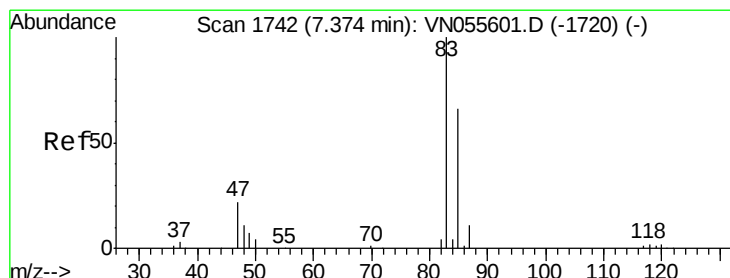
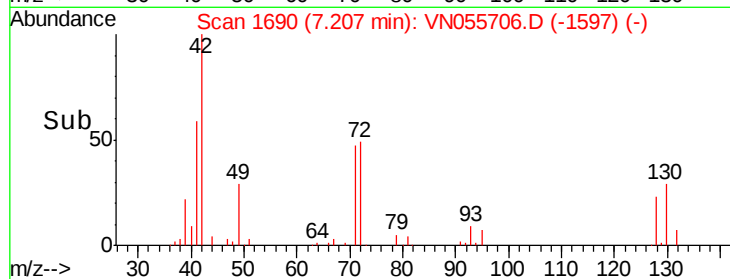
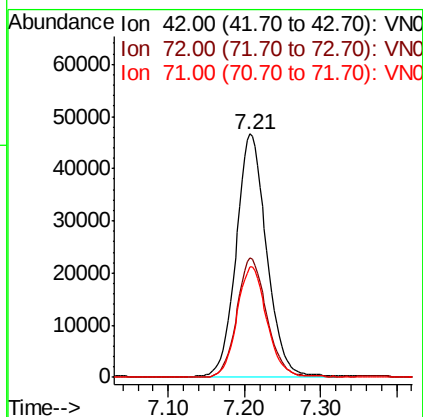
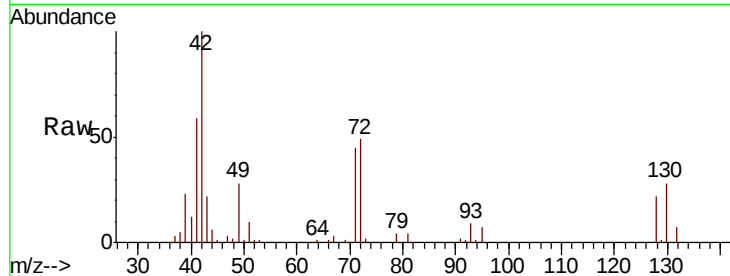




#29
Tetrahydrofuran
Concen: 95.464 ug/l
RT: 7.21 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VN055706.D
Acq: 21 May 2019 13:53

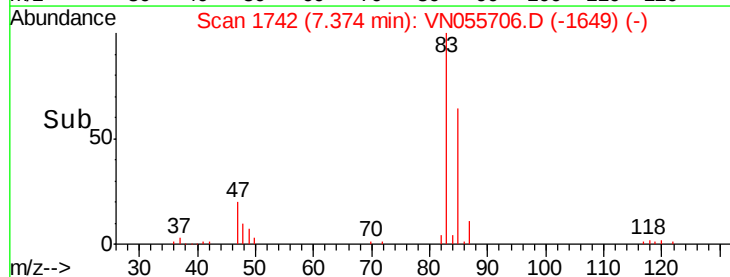
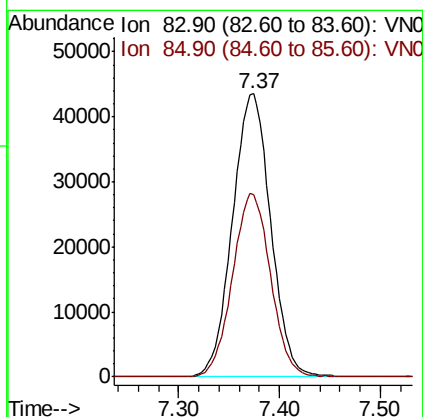
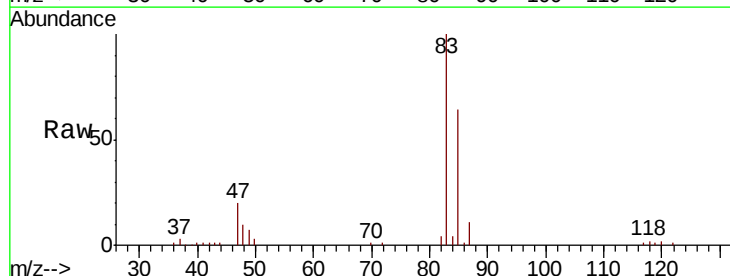
Instrument :
MSVOA_N
ClientSampled :

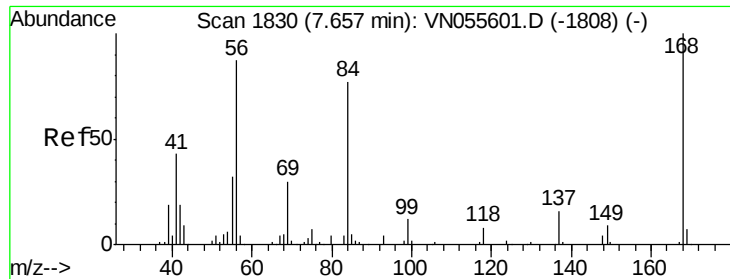
Tot Ion: 42 Resp: 130409
Ion Ratio Lower Upper
42 100
72 47.8 36.5 54.7
71 44.2 34.9 52.3



#30
Chloroform
Concen: 19.729 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN055706.D
Acq: 21 May 2019 13:53

Tgt Ion: 83 Resp: 114359
Ion Ratio Lower Upper
83 100
85 64.4 52.6 78.8

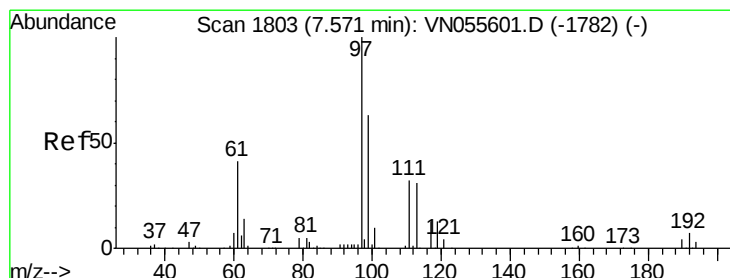
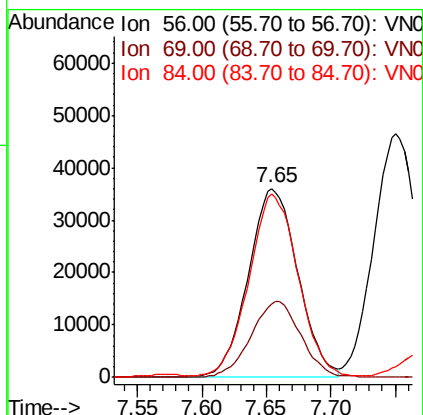
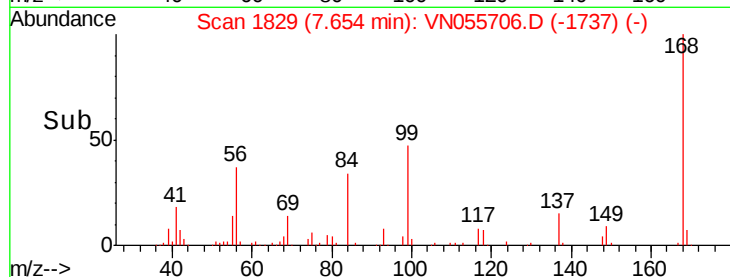
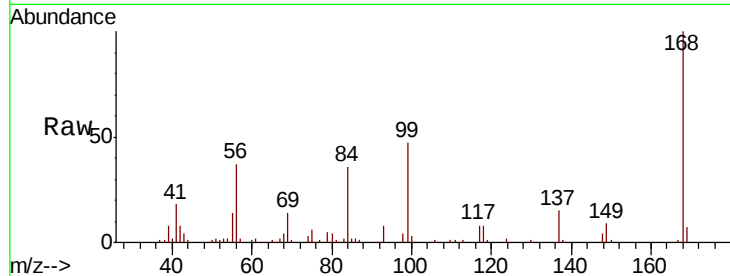




#31
Cyclohexane
Concen: 17.993 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN055706.D
Acq: 21 May 2019 13:53

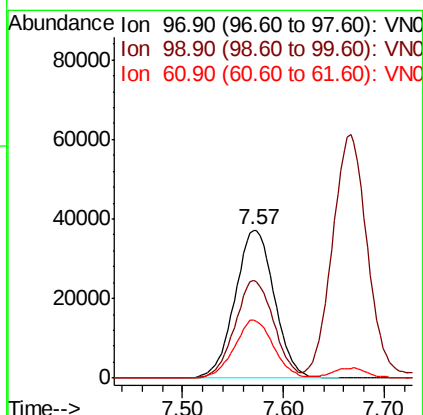
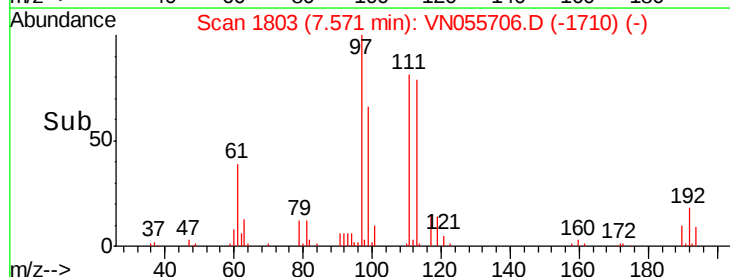
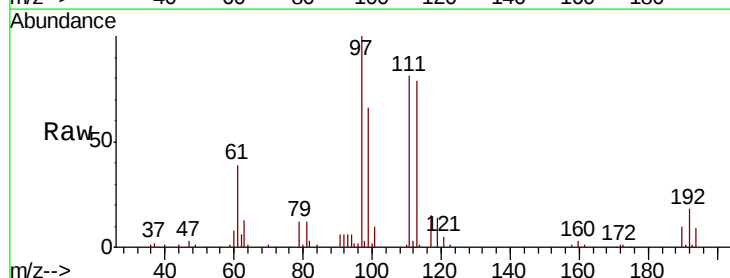
Instrument :
MSVOA_N
ClientSampled :

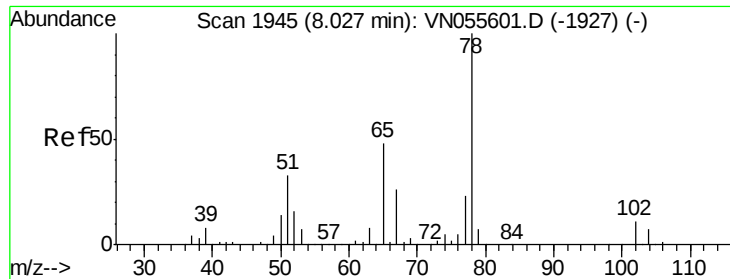
Tot Ion: 56 Resp: 96432
Ion Ratio Lower Upper
56 100
69 39.0 27.2 40.8
84 96.3 71.3 106.9



#32
1,1,1-Trichloroethane
Concen: 19.358 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN055706.D
Acq: 21 May 2019 13:53

Tgt Ion: 97 Resp: 100640
Ion Ratio Lower Upper
97 100
99 65.3 51.4 77.2
61 38.9 32.9 49.3

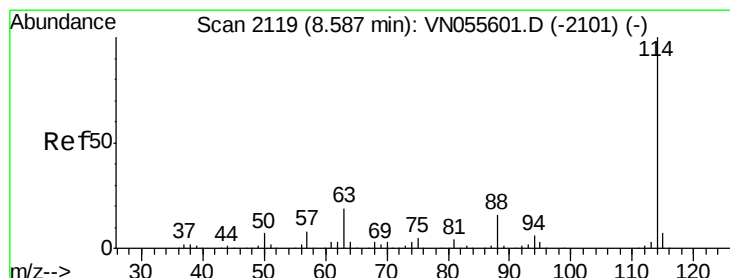
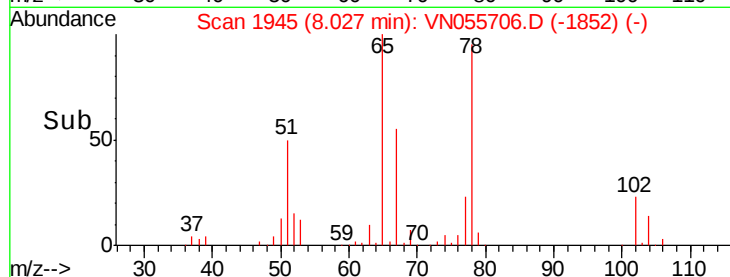
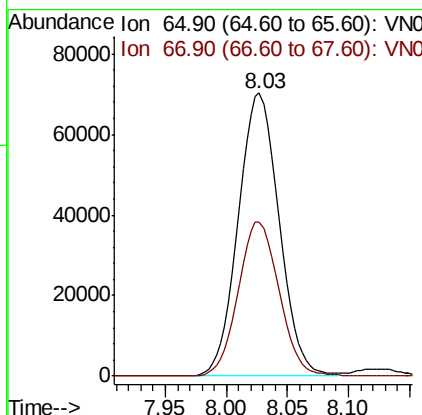
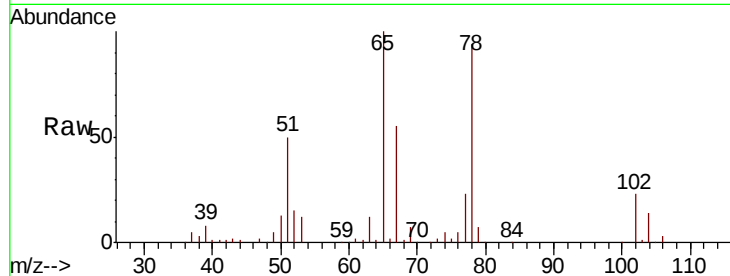




#33
 1,2-Dichloroethane-d4
 Concen: 45.219 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN055706.D
 Acq: 21 May 2019 13:53

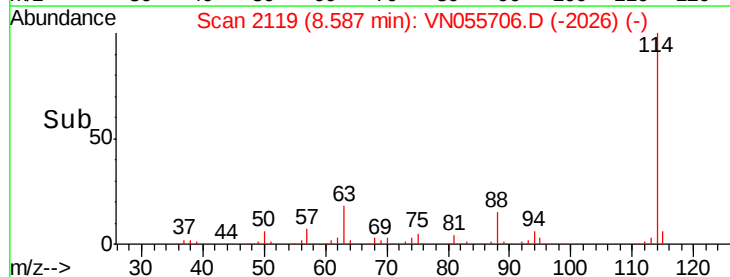
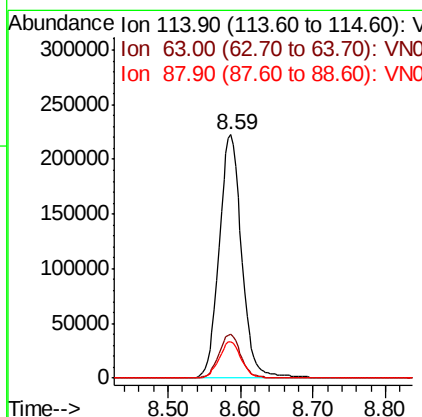
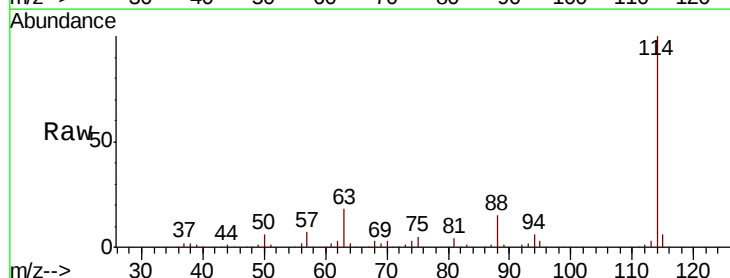
Instrument :
 MSVOA_N
 ClientSampled :

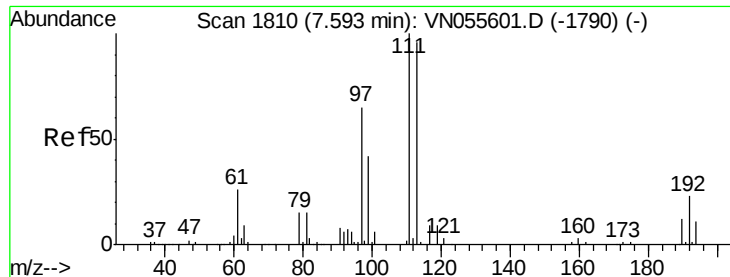
Tot Ion: 65 Resp: 163404
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN055706.D
 Acq: 21 May 2019 13:53

Tgt Ion: 114 Resp: 477664
 Ion Ratio Lower Upper
 114 100
 63 17.8 0.0 38.2
 88 15.0 0.0 31.0

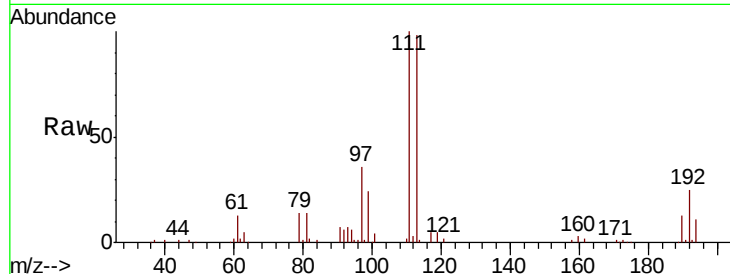




#35
 Dibromofluoromethane
 Concen: 50.254 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN055706.D
 Acq: 21 May 2019 13:53

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.5	123.7
192	24.3	18.7	28.1

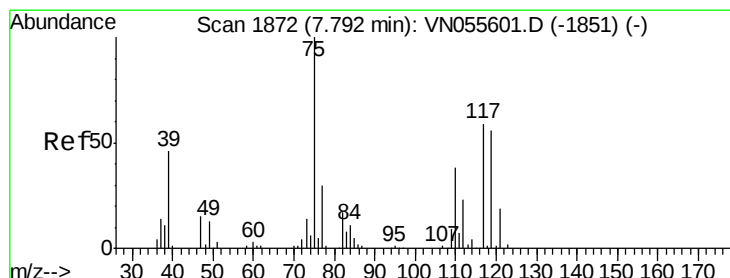
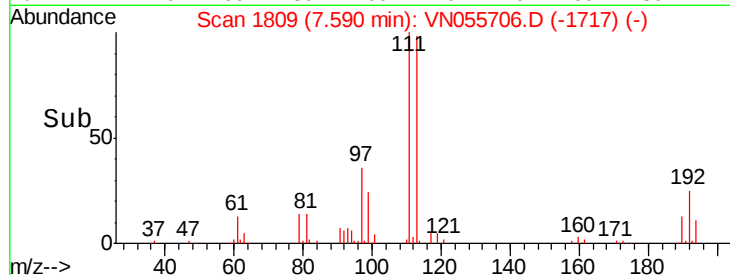
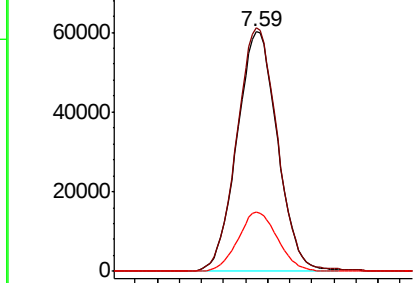


Abundance

Ion 112.80 (112.50 to 113.50): V

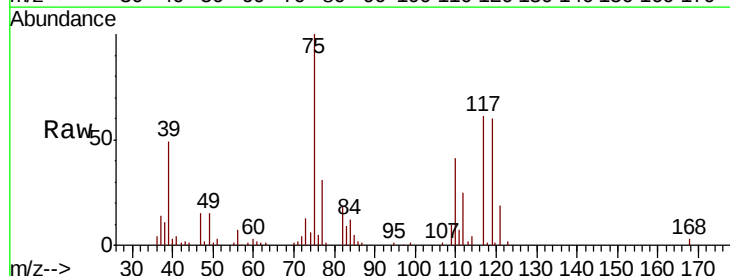
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 18.784 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN055706.D
 Acq: 21 May 2019 13:53

Tgt Ion	Ratio	Lower	Upper
75	100		
110	40.4	18.6	55.6
77	31.3	24.9	37.3

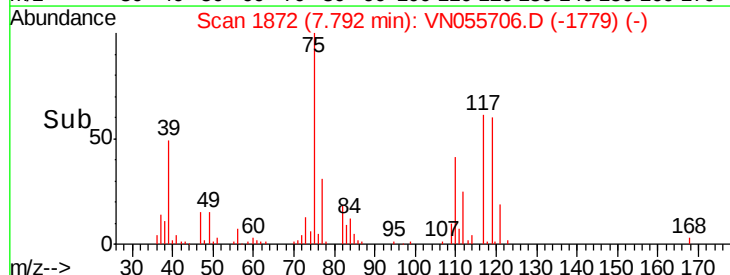
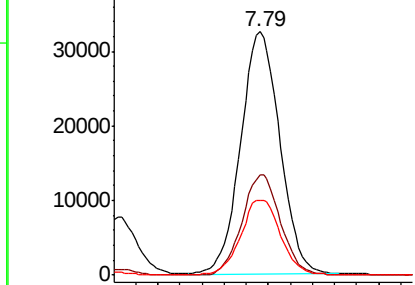


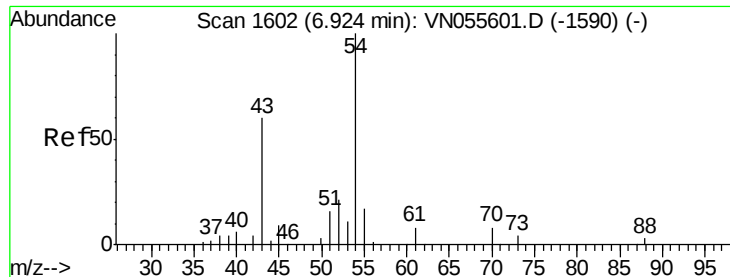
Abundance

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

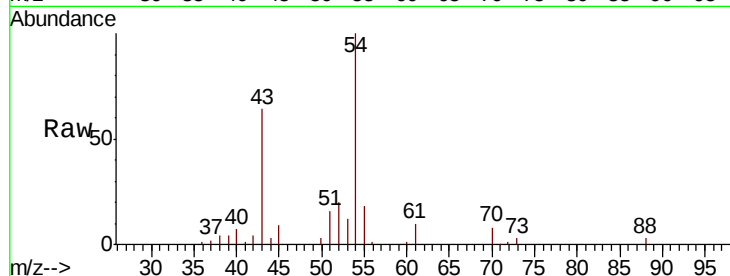




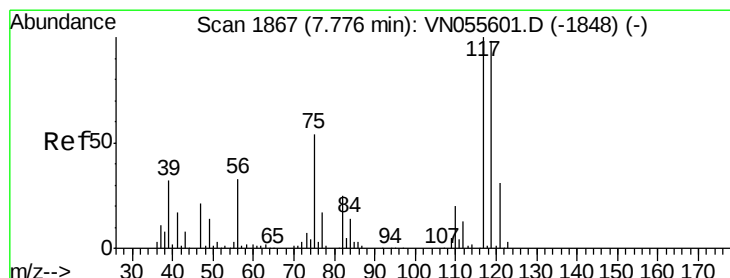
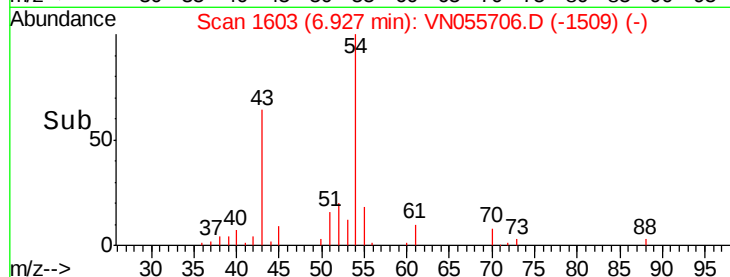
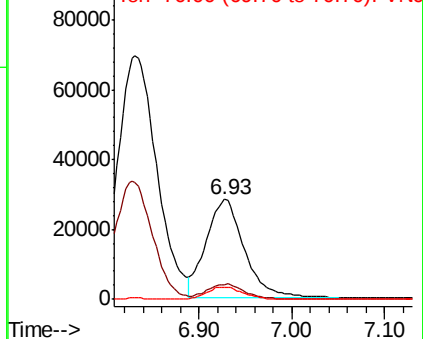
#37
Ethyl Acetate
Concen: 21.023 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN055706.D
Acq: 21 May 2019 13:53

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 80789
Ion Ratio Lower Upper
43 100
61 15.4 11.4 17.0
70 11.8 9.2 13.8

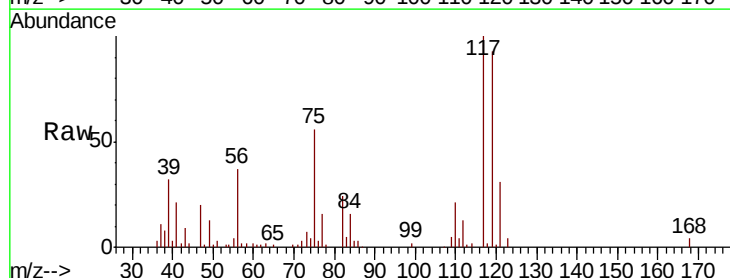


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

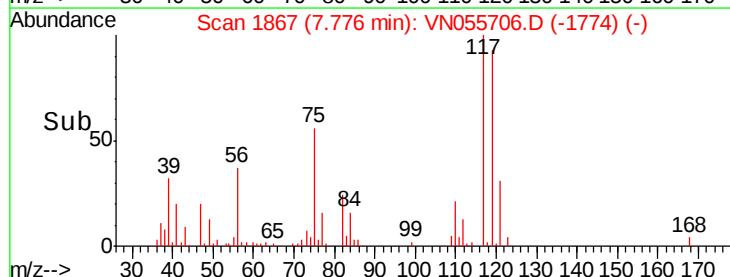
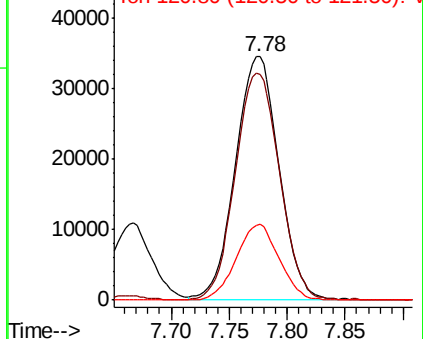


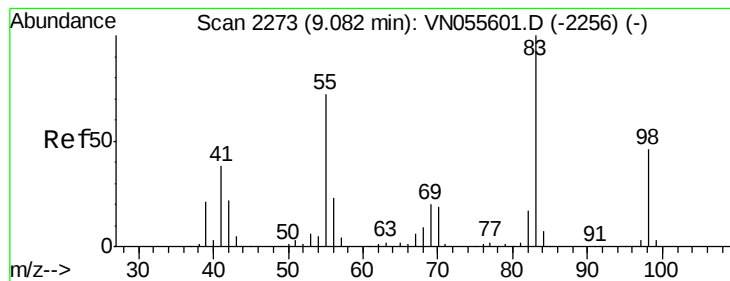
#38
Carbon Tetrachloride
Concen: 19.880 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN055706.D
Acq: 21 May 2019 13:53

Tgt Ion: 117 Resp: 90468
Ion Ratio Lower Upper
117 100
119 92.7 77.8 116.8
121 30.9 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: 19.493 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. -0.00 min

Lab File: VN055706.D

Acq: 21 May 2019 13:53

Instrument :
MSVOA_N
ClientSampled :

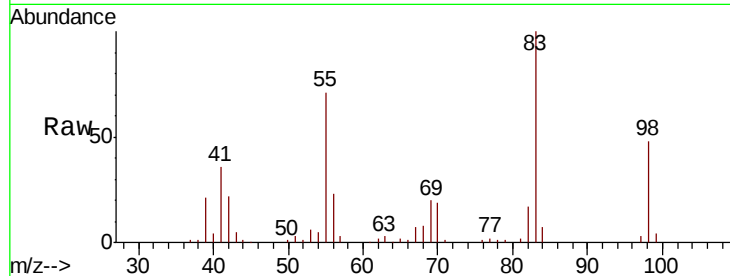
Tot Ion: 83 Resp: 100071

Ion Ratio Lower Upper

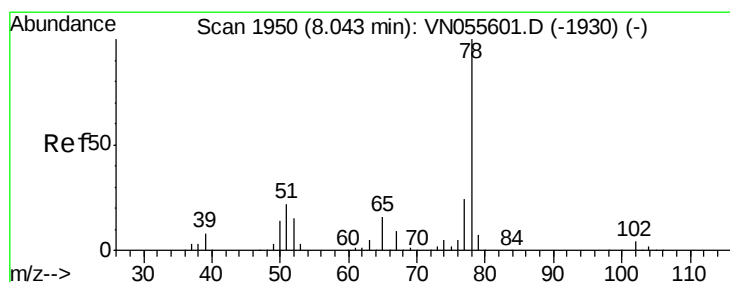
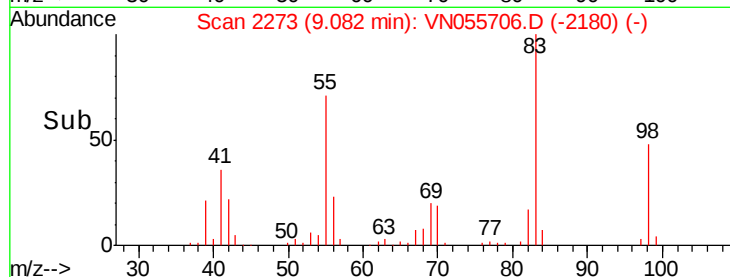
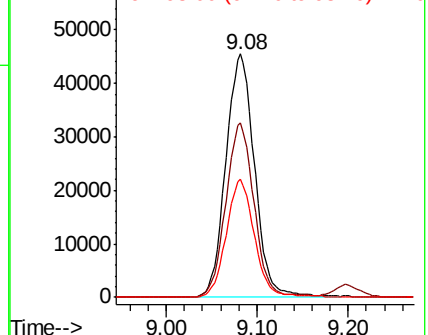
83 100

55 71.5 57.8 86.6

98 48.4 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: 20.422 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. -0.00 min

Lab File: VN055706.D

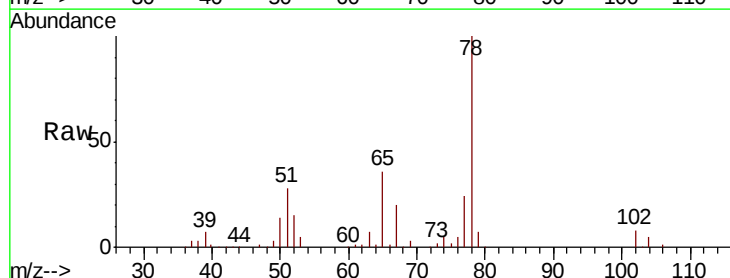
Acq: 21 May 2019 13:53

Tgt Ion: 78 Resp: 255804

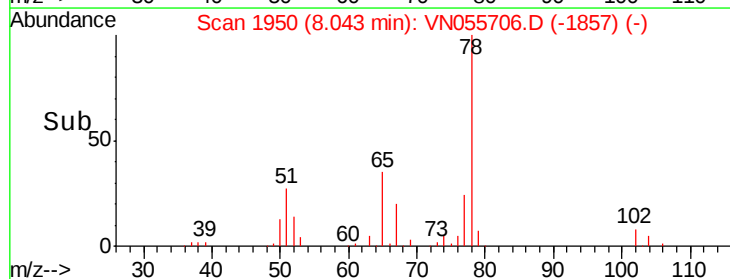
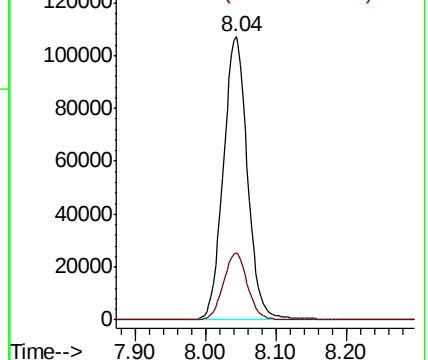
Ion Ratio Lower Upper

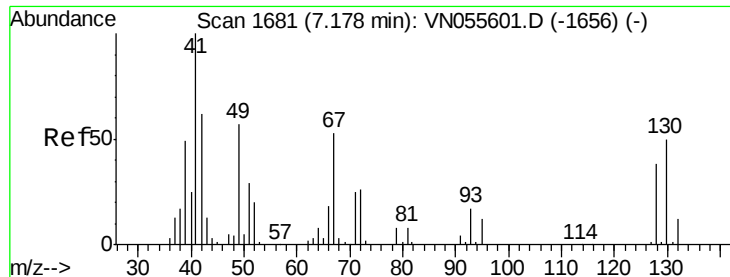
78 100

77 23.8 18.9 28.3



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

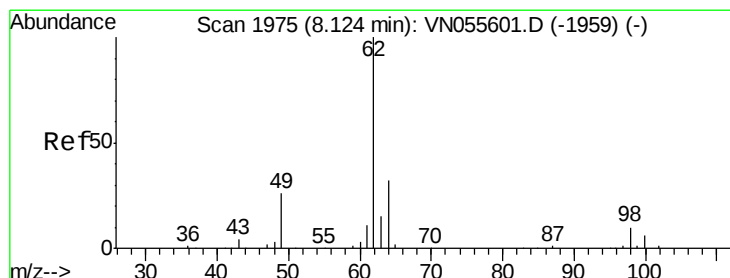
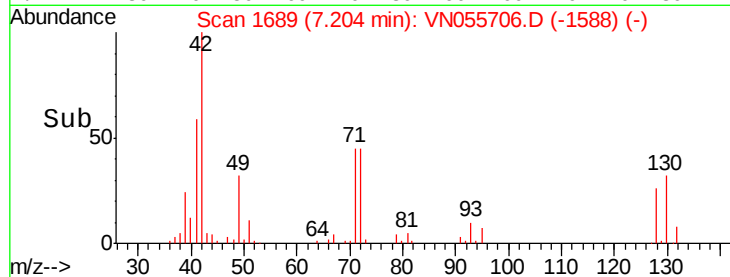
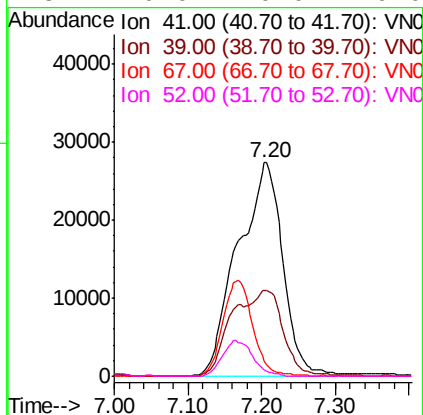
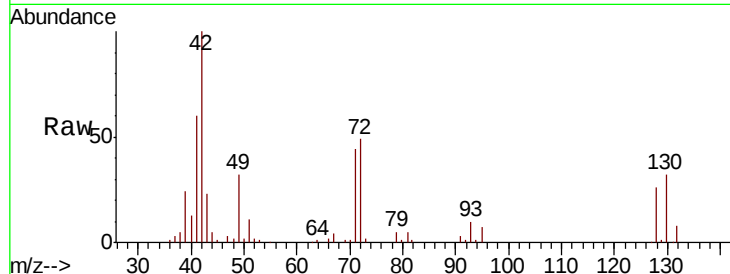




#41
Methacrylonitrile
Concen: 70.507 ug/l
RT: 7.20 min Scan# 1689
Delta R.T. 0.03 min
Lab File: VN055706.D
Acq: 21 May 2019 13:53

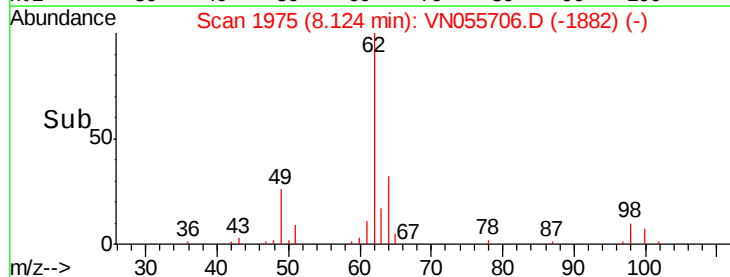
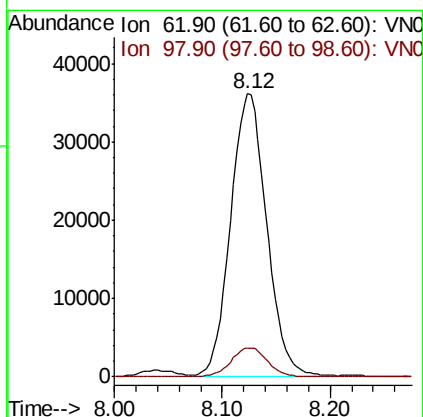
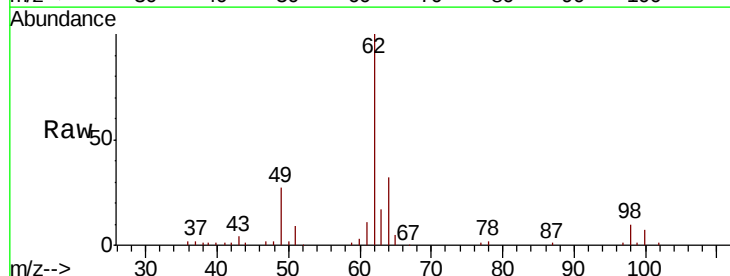
Instrument :
MSVOA_N
ClientSampled :

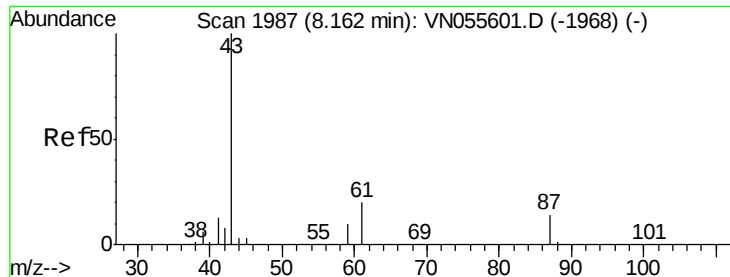
Tot Ion:	41	Resp:	115843
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 20.790 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN055706.D
Acq: 21 May 2019 13:53

Tgt Ion:	62	Resp:	84326
Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	20.2



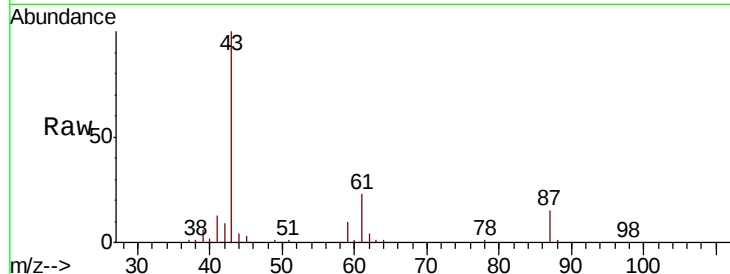


#43

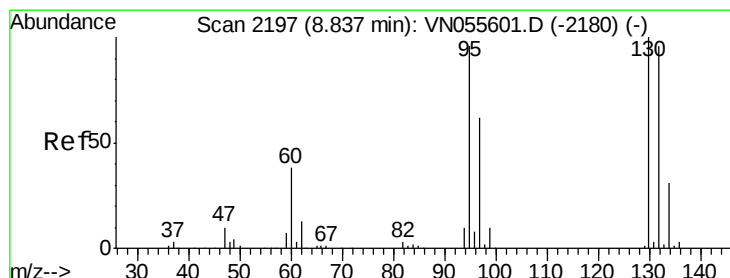
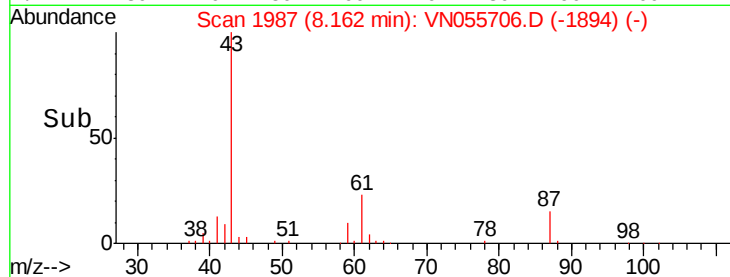
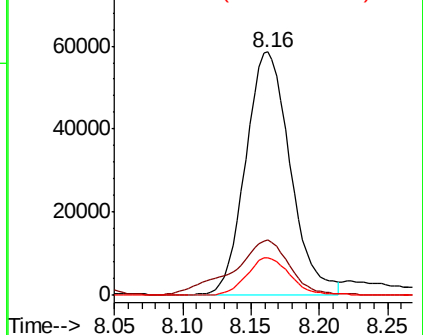
Isopropyl Acetate
 Concen: 20.016 ug/l
 RT: 8.16 min Scan# 1987
 Delta R.T. -0.00 min
 Lab File: VN055706.D
 Acq: 21 May 2019 13:53

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 43 Resp: 133802
 Ion Ratio Lower Upper
 43 100
 61 28.8 22.1 33.1
 87 15.0 11.8 17.6



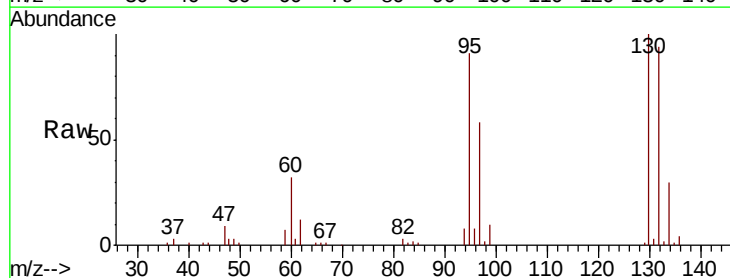
Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 61.00 (60.70 to 61.70): VN0
 Ion 87.00 (86.70 to 87.70): VN0



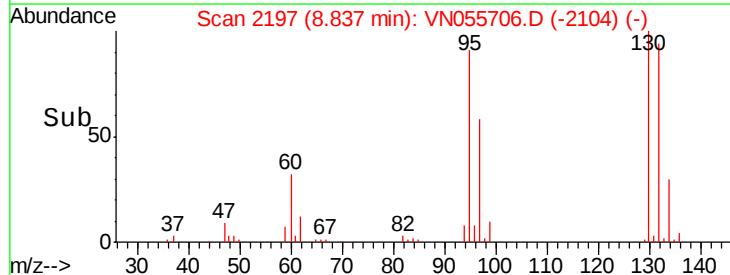
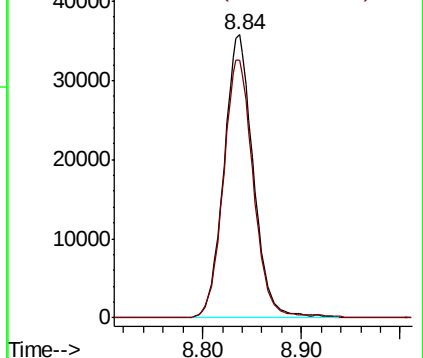
#44

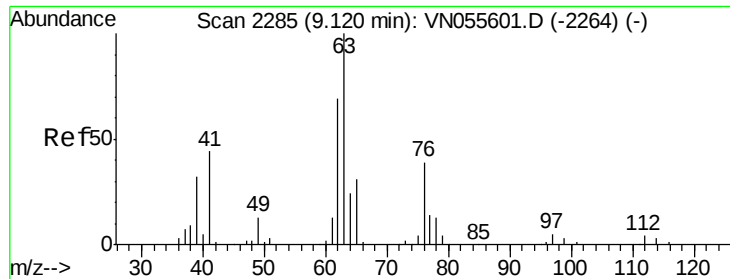
Trichloroethene
 Concen: 21.056 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. -0.00 min
 Lab File: VN055706.D
 Acq: 21 May 2019 13:53

Tgt Ion:130 Resp: 74423
 Ion Ratio Lower Upper
 130 100
 95 91.2 0.0 191.0



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VN0





#45

1,2-Dichloropropane

Concen: 20.330 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN055706.D

Acq: 21 May 2019 13:53

Instrument :

MSVOA_N

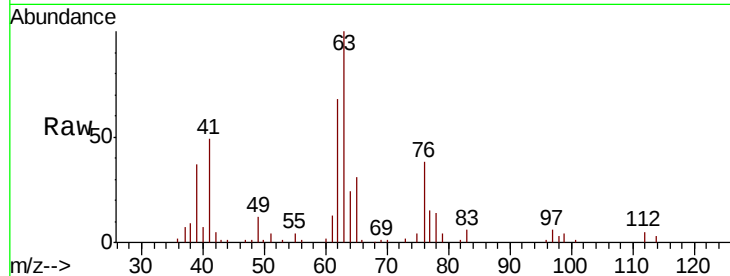
ClientSampled :

Tot Ion: 63 Resp: 67085

Ion Ratio Lower Upper

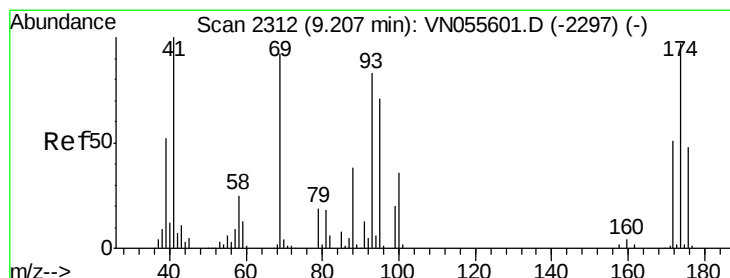
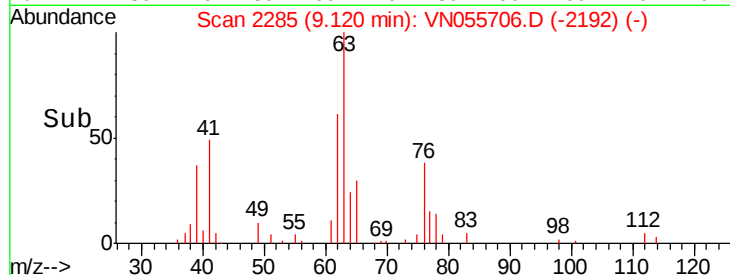
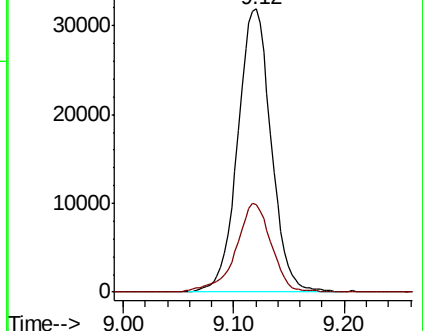
63 100

65 30.9 25.2 37.8



Abundance Ion 62.90 (62.60 to 63.60): VN055706.D (-2192) (-)

Ion 64.90 (64.60 to 65.60): VN055706.D (-2192) (-)



#46

Dibromomethane

Concen: 20.996 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN055706.D

Acq: 21 May 2019 13:53

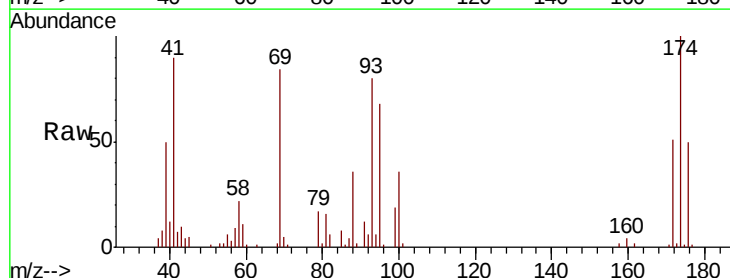
Tgt Ion: 93 Resp: 45346

Ion Ratio Lower Upper

93 100

95 84.4 67.9 101.9

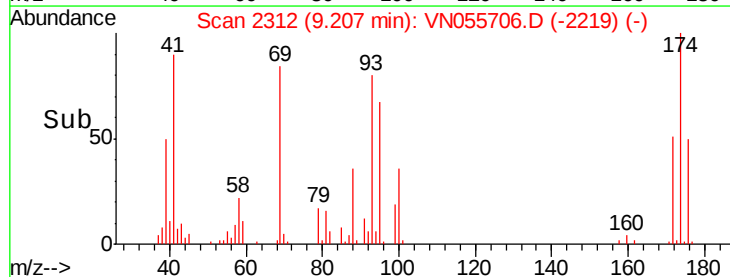
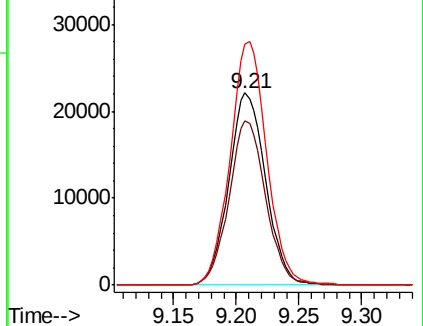
174 125.4 93.8 140.6

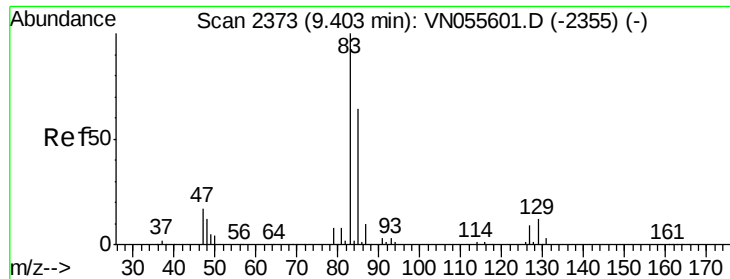


Abundance Ion 92.80 (92.50 to 93.50): VN055706.D (-2219) (-)

Ion 94.80 (94.50 to 95.50): VN055706.D (-2219) (-)

Ion 173.70 (173.40 to 174.40): VN055706.D (-2219) (-)





#47

Bromodichloromethane

Concen: 20.231 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN055706.D

Acq: 21 May 2019 13:53

Instrument :
MSVOA_N
ClientSampled :

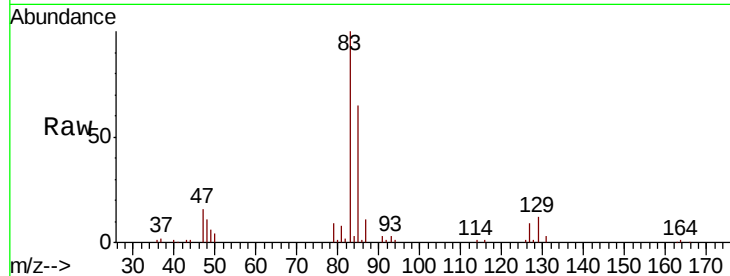
Tot Ion: 83 Resp: 91575

Ion Ratio Lower Upper

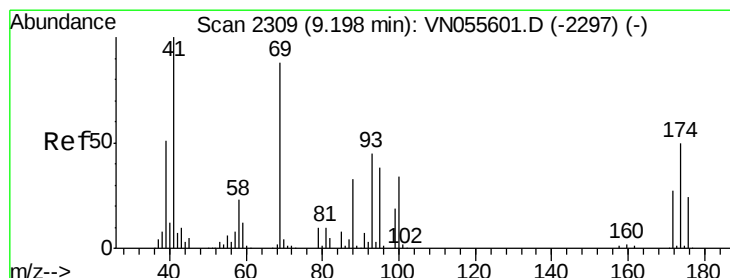
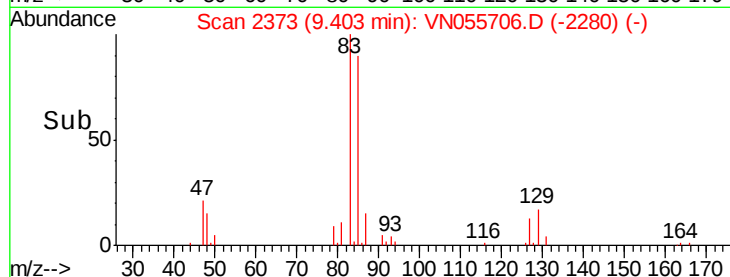
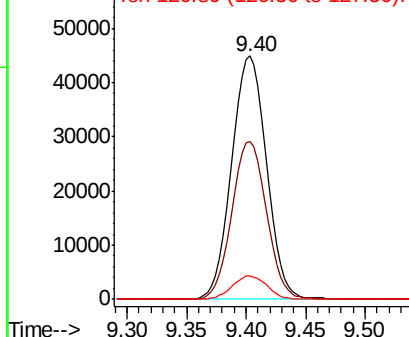
83 100

85 65.1 51.4 77.0

127 9.5 7.1 10.7



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



#48

Methyl methacrylate

Concen: 19.973 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN055706.D

Acq: 21 May 2019 13:53

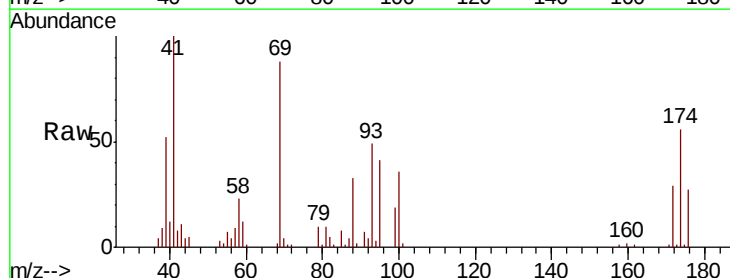
Tgt Ion: 41 Resp: 59677

Ion Ratio Lower Upper

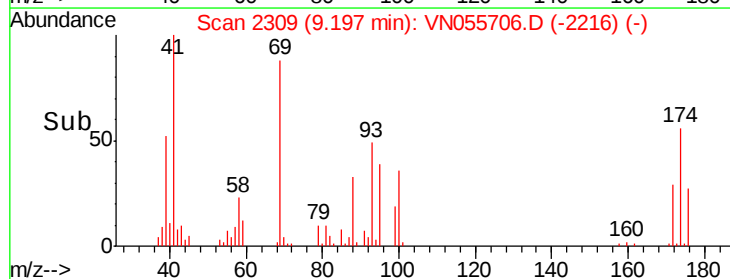
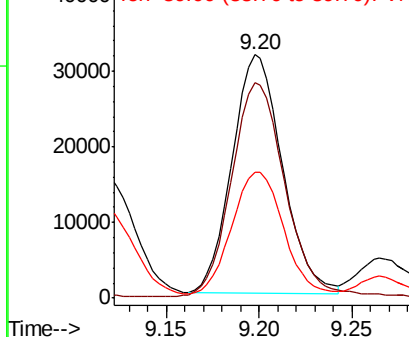
41 100

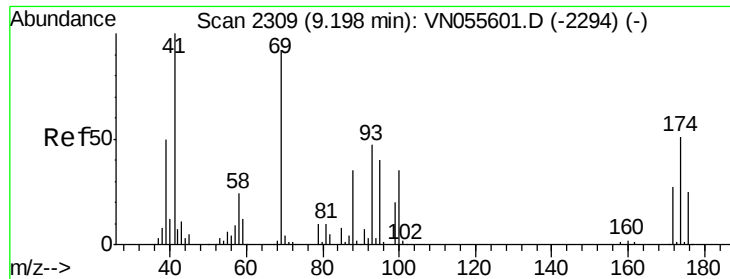
69 98.2 74.2 111.2

39 56.4 43.8 65.8



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





#49

1,4-Dioxane

Concen: 469.287 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055706.D

Acq: 21 May 2019 13:53

Instrument :

MSVOA_N

ClientSampled :

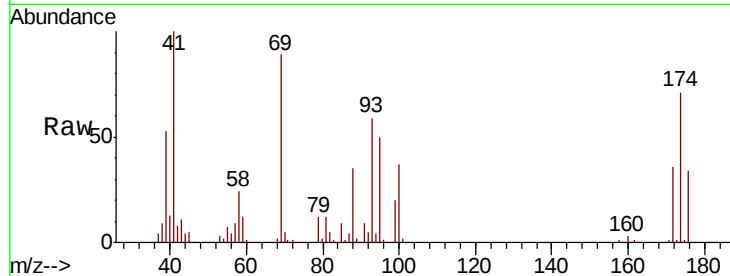
Tot Ion: 88 Resp: 27862

Ion Ratio Lower Upper

88 100

43 24.0 22.4 33.6

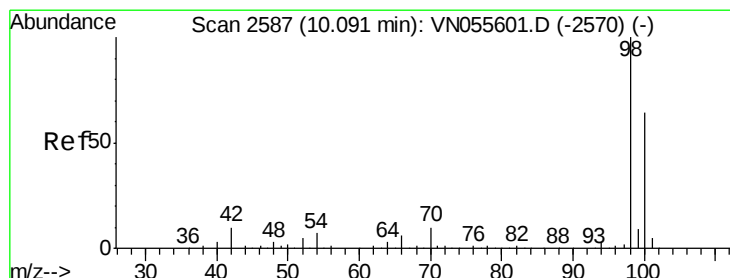
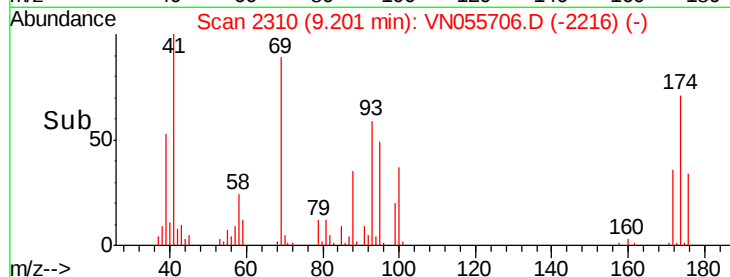
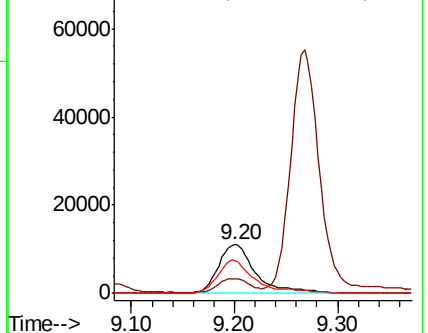
58 68.2 53.4 80.2



Abundance Ion 88.00 (87.70 to 88.70): VN055706.D (-2216) (-)

Ion 43.00 (42.70 to 43.70): VN055706.D (-2216) (-)

Ion 58.00 (57.70 to 58.70): VN055706.D (-2216) (-)



#50

Toluene-d8

Concen: 48.535 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN055706.D

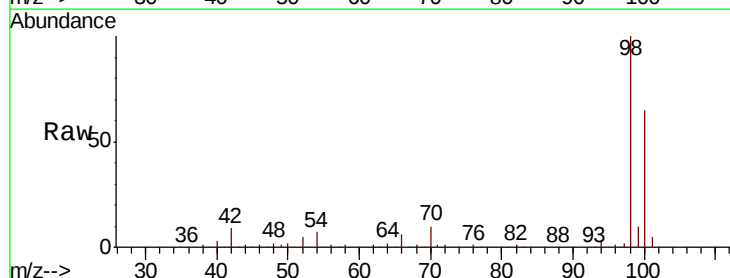
Acq: 21 May 2019 13:53

Tgt Ion: 98 Resp: 556854

Ion Ratio Lower Upper

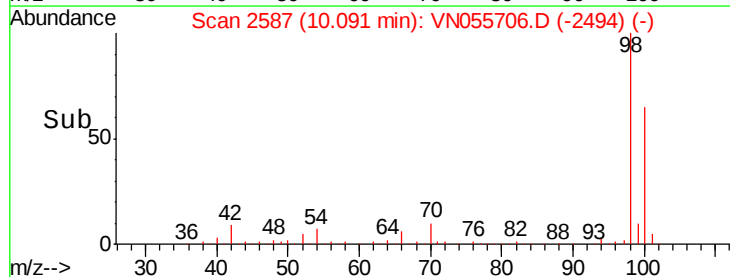
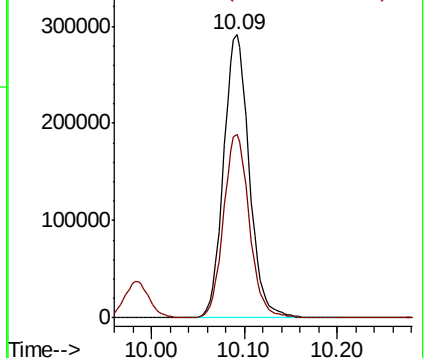
98 100

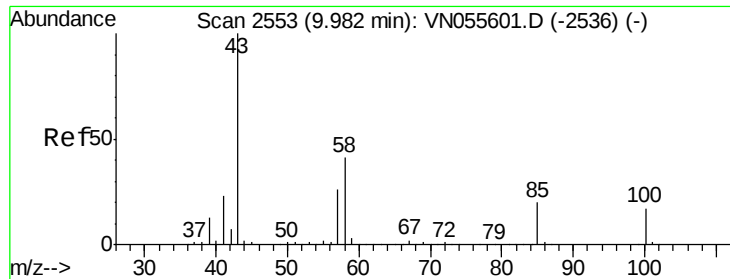
100 65.4 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN055706.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN055706.D (-2494) (-)





#51

4-Methyl-2-Pentanone

Concen: 100.842 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN055706.D

Acq: 21 May 2019 13:53

Instrument :

MSVOA_N

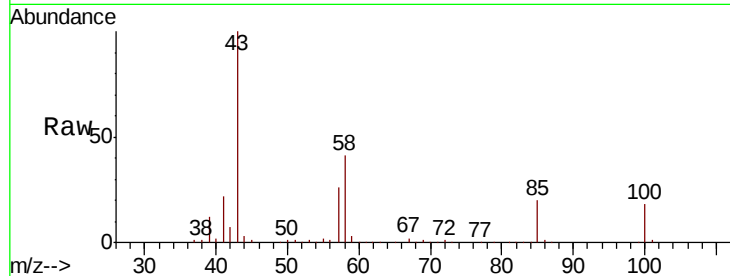
ClientSampleId :

Tot Ion: 43 Resp: 395418

Ion Ratio Lower Upper

43 100

58 41.8 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

200000

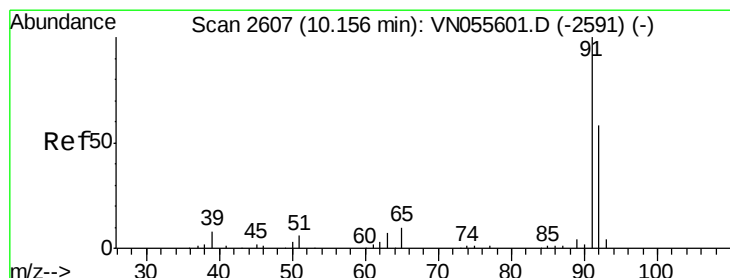
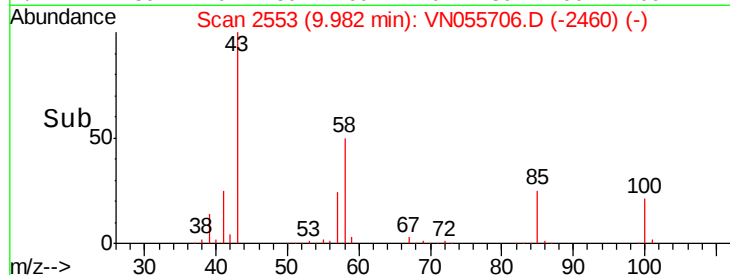
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 20.834 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN055706.D

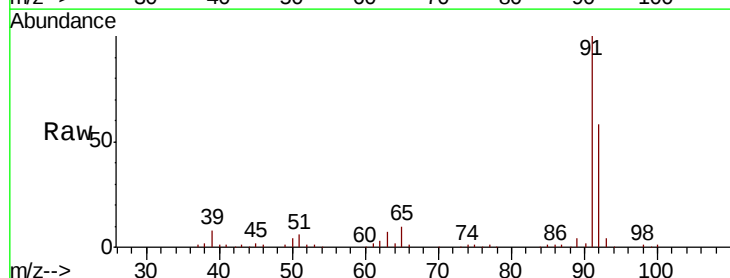
Acq: 21 May 2019 13:53

Tgt Ion: 92 Resp: 163681

Ion Ratio Lower Upper

92 100

91 173.3 138.9 208.3



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

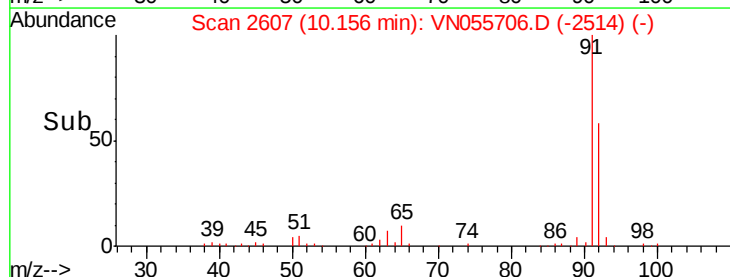
150000

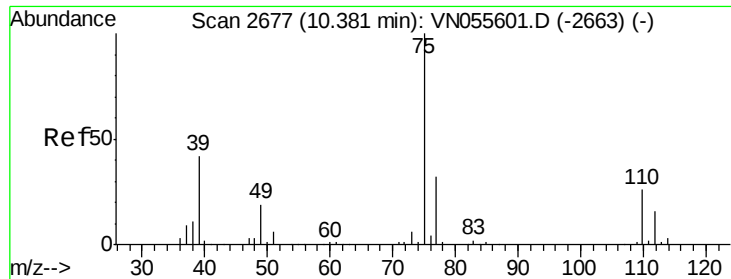
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.716 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN055706.D

Acq: 21 May 2019 13:53

Instrument :

MSVOA_N

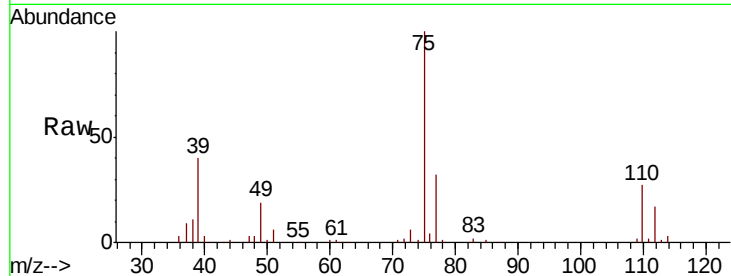
ClientSampleId :

Tot Ion: 75 Resp: 96055

Ion Ratio Lower Upper

75 100

77 31.6 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VN055706.D (-2584) (-)

Ion 76.90 (76.60 to 77.60): VN055706.D (-2584) (-)

10.38

60000

50000

40000

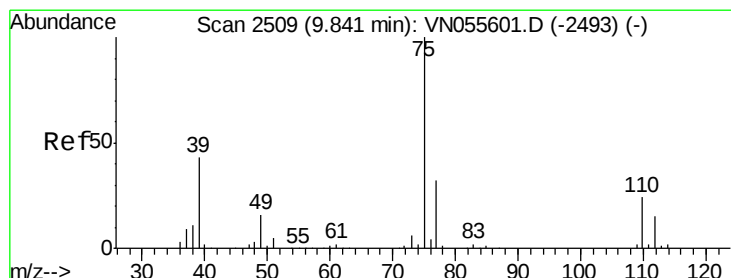
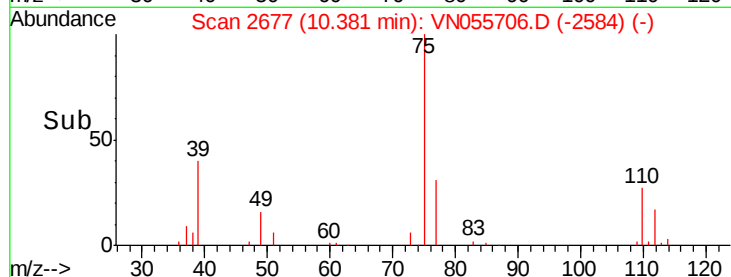
30000

20000

10000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 20.237 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN055706.D

Acq: 21 May 2019 13:53

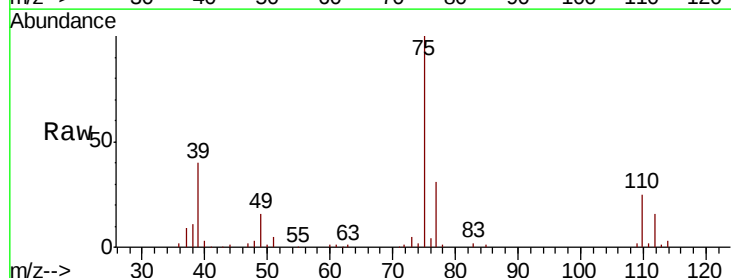
Tgt Ion: 75 Resp: 108008

Ion Ratio Lower Upper

75 100

77 30.6 25.7 38.5

39 40.5 34.7 52.1



Abundance Ion 74.90 (74.60 to 75.60): VN055706.D (-2416) (-)

Ion 76.90 (76.60 to 77.60): VN055706.D (-2416) (-)

Ion 39.00 (38.70 to 39.70): VN055706.D (-2416) (-)

9.84

80000

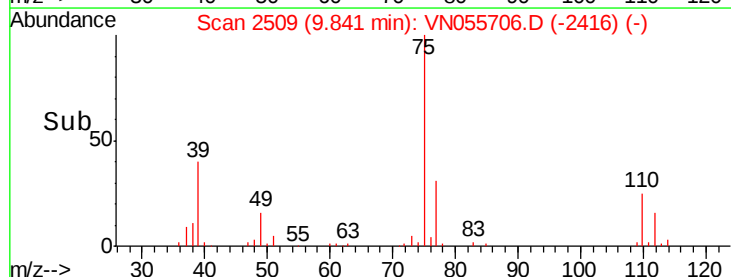
60000

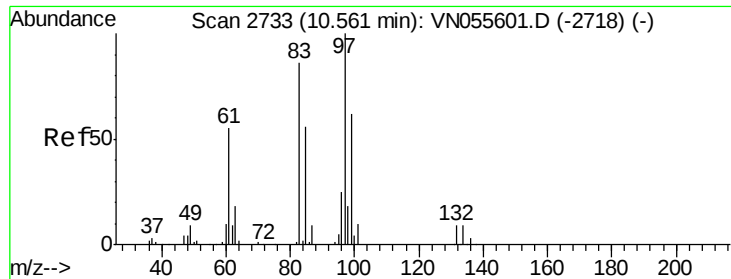
40000

20000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 20.815 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN055706.D

Acq: 21 May 2019 13:53

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 67325

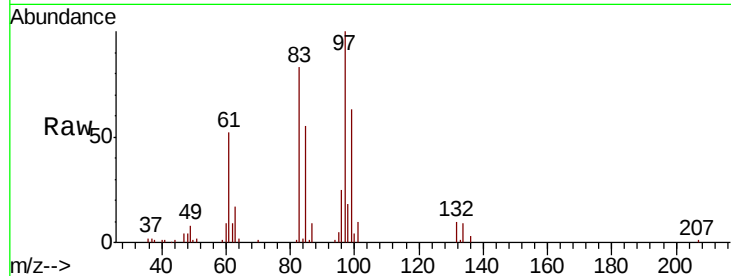
Ion Ratio Lower Upper

97 100

83 82.9 68.4 102.6

85 54.9 44.8 67.2

99 63.2 49.9 74.9

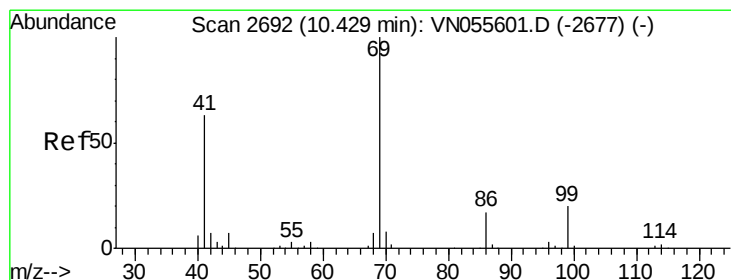
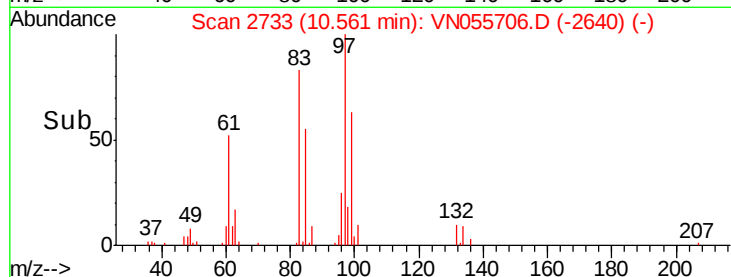
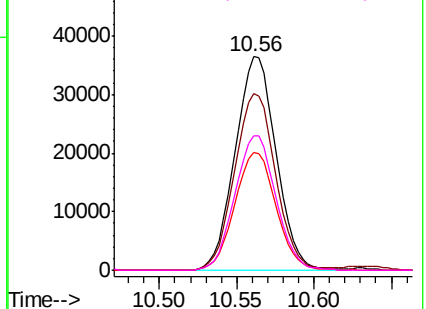


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 20.026 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN055706.D

Acq: 21 May 2019 13:53

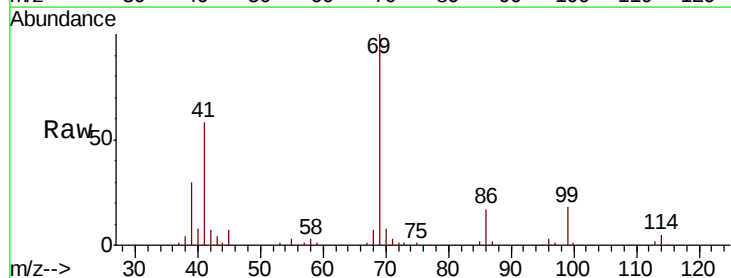
Tgt Ion: 69 Resp: 101111

Ion Ratio Lower Upper

69 100

41 59.1 50.3 75.5

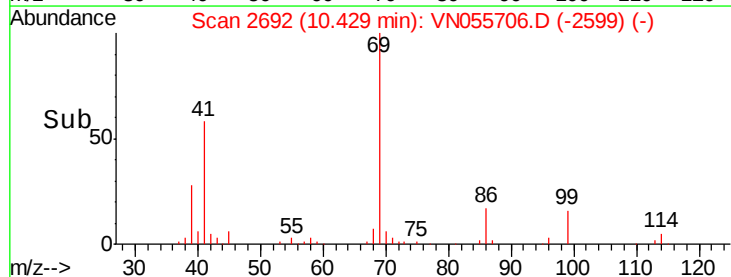
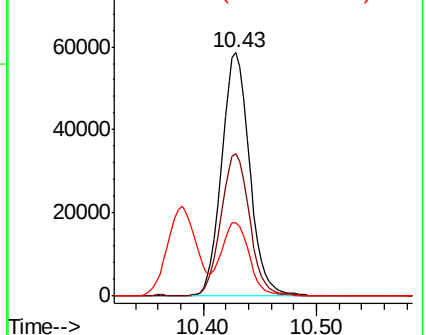
39 30.6 25.4 38.2

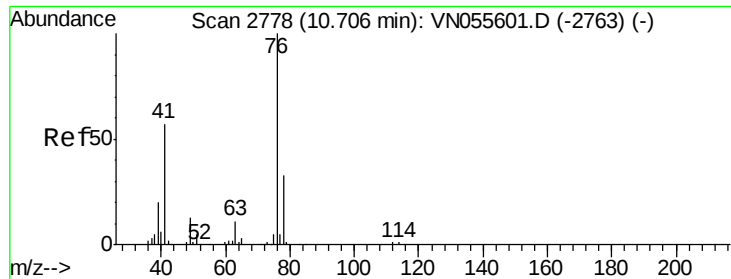


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 20.820 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN055706.D

Acq: 21 May 2019 13:53

Instrument :

MSVOA_N

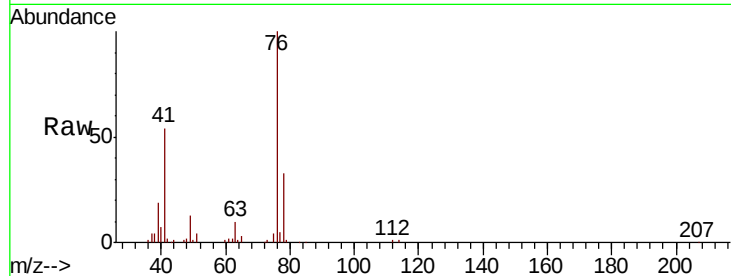
ClientSampleId :

Tot Ion: 76 Resp: 106652

Ion Ratio Lower Upper

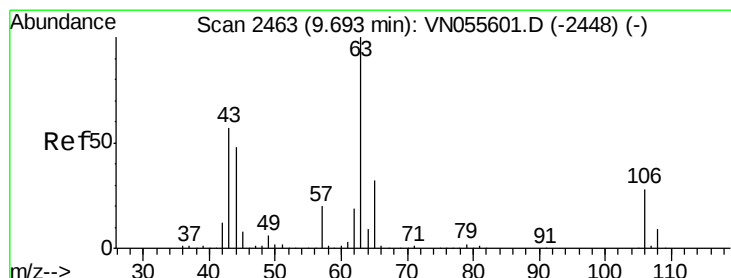
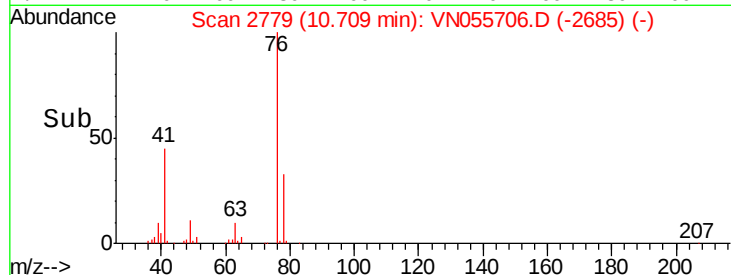
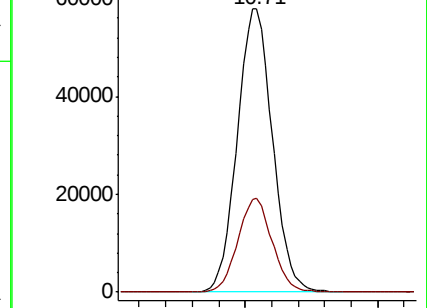
76 100

78 32.2 26.5 39.7



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 80.571 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN055706.D

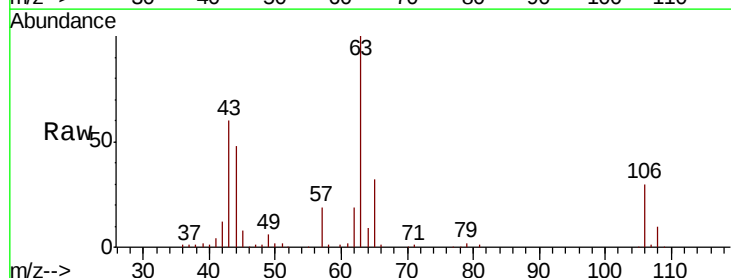
Acq: 21 May 2019 13:53

Tgt Ion: 63 Resp: 172851

Ion Ratio Lower Upper

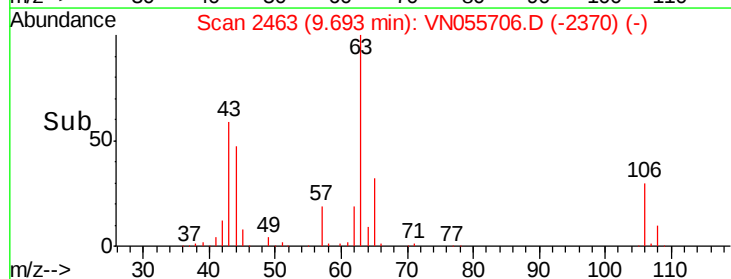
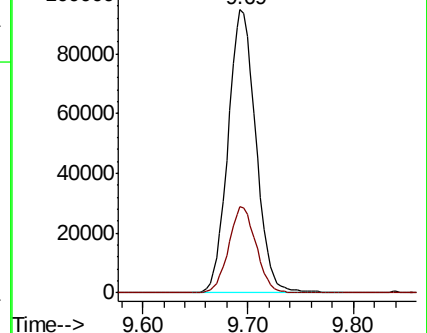
63 100

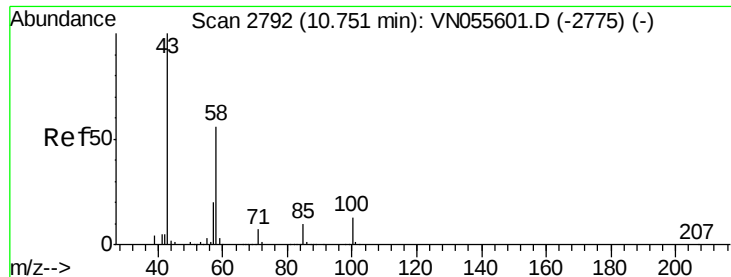
106 29.9 23.0 34.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

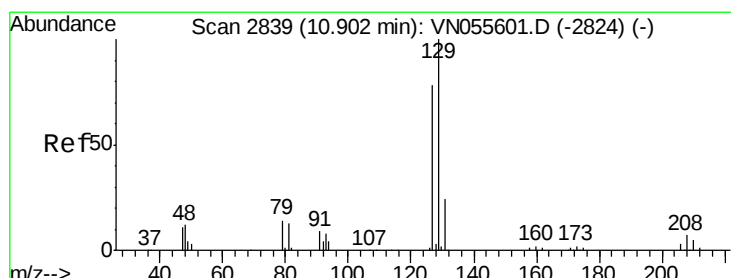
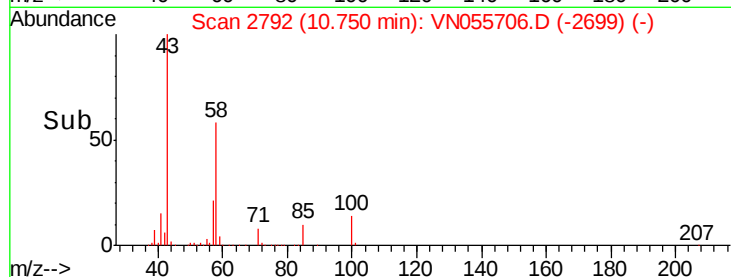
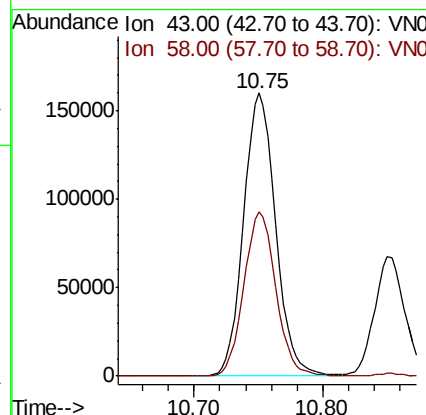
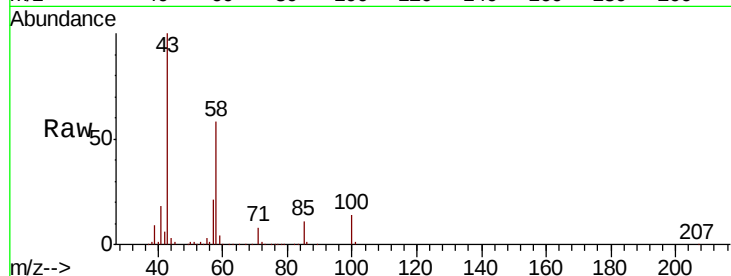




#59
2-Hexanone
Concen: 99.931 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN055706.D
Acq: 21 May 2019 13:53

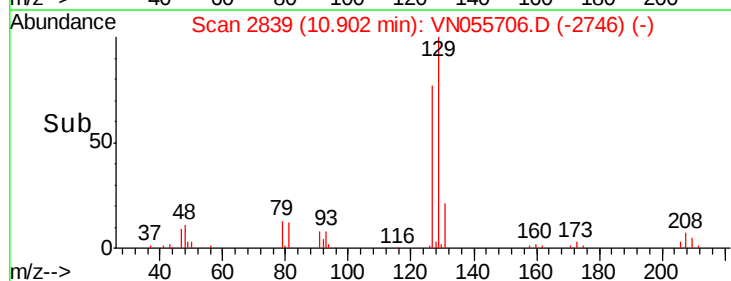
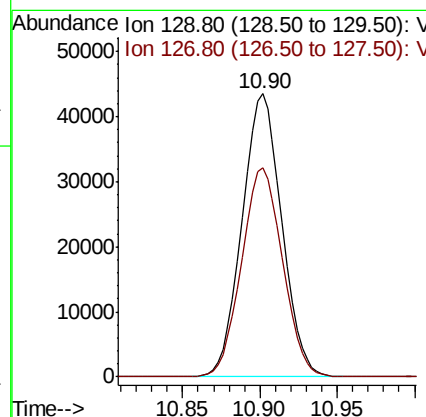
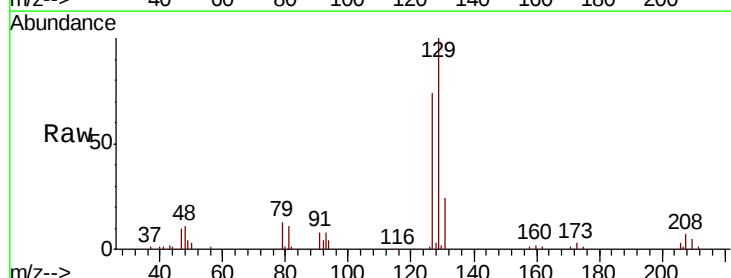
Instrument :
MSVOA_N
ClientSampleId :

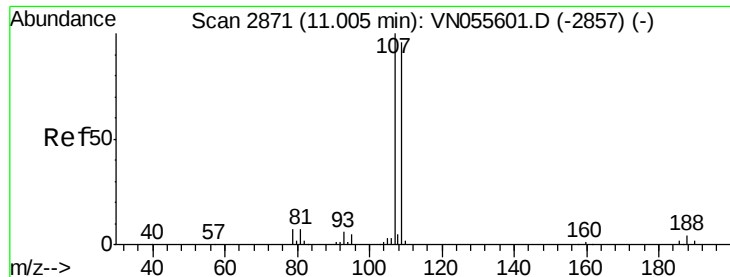
Tot Ion: 43 Resp: 275878
Ion Ratio Lower Upper
43 100
58 58.2 28.1 84.4



#60
Dibromochloromethane
Concen: 21.154 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN055706.D
Acq: 21 May 2019 13:53

Tgt Ion: 129 Resp: 77546
Ion Ratio Lower Upper
129 100
127 76.4 38.6 115.8





#61

1,2-Dibromoethane

Concen: 21.210 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN055706.D

Acq: 21 May 2019 13:53

Instrument :

MSVOA_N

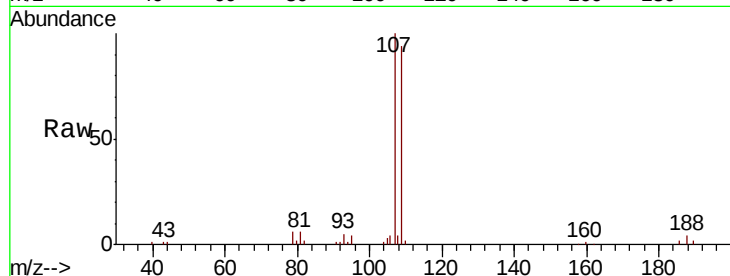
ClientSampleId :

Tot Ion:107 Resp: 68642

Ion Ratio Lower Upper

107 100

109 96.3 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

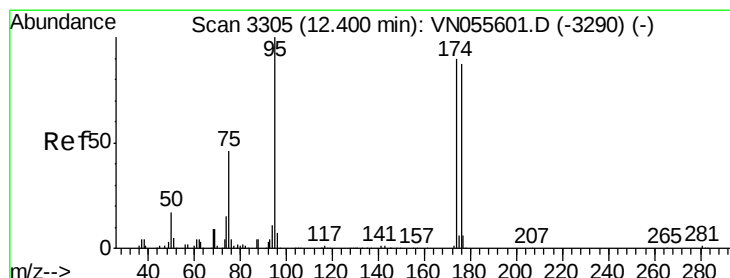
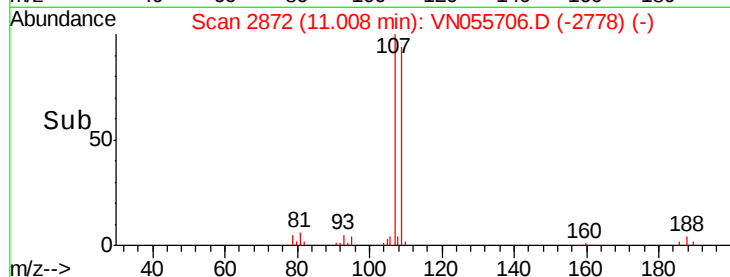
20000

10000

0

Time-->

10.95 11.00 11.05



#62

4-Bromofluorobenzene

Concen: 46.343 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN055706.D

Acq: 21 May 2019 13:53

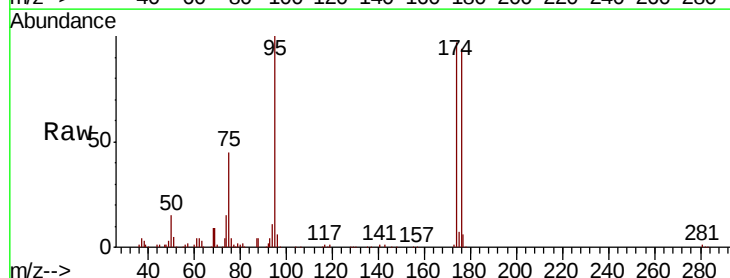
Tgt Ion: 95 Resp: 183607

Ion Ratio Lower Upper

95 100

174 97.2 0.0 180.6

176 94.2 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

150000

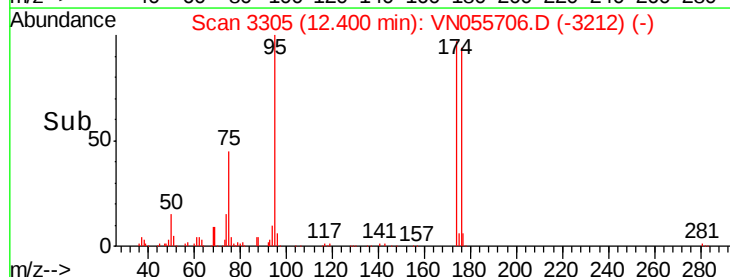
100000

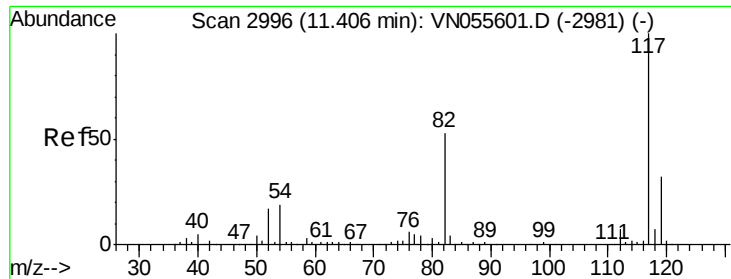
50000

0

Time-->

12.35 12.40 12.45

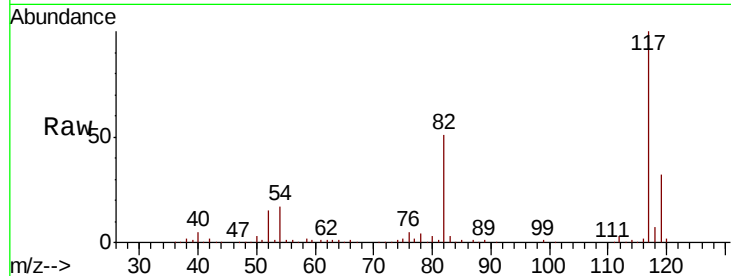




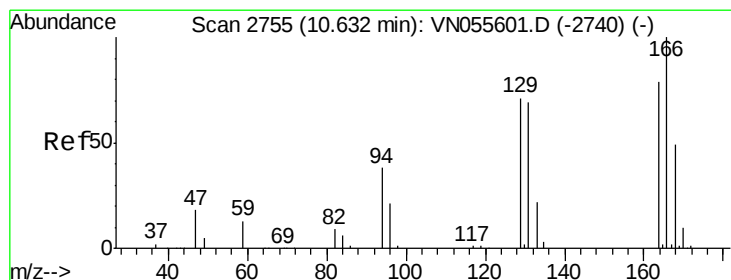
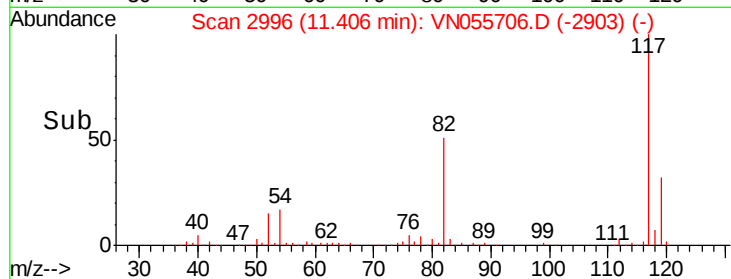
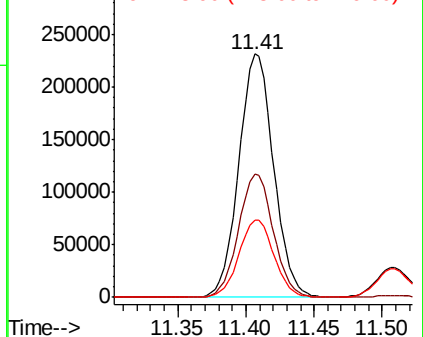
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN055706.D
Acq: 21 May 2019 13:53

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 409419
Ion Ratio Lower Upper
117 100
82 50.7 42.3 63.5
119 31.7 25.4 38.2

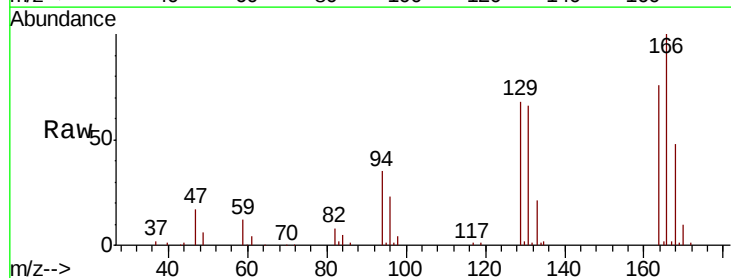


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

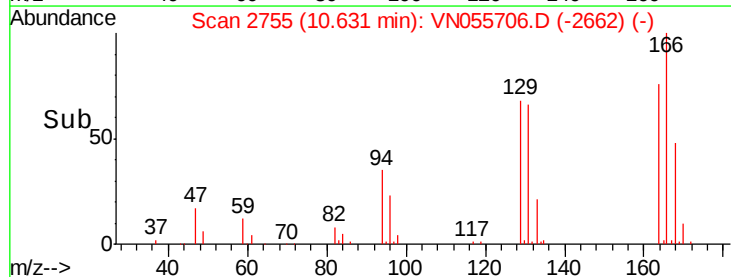
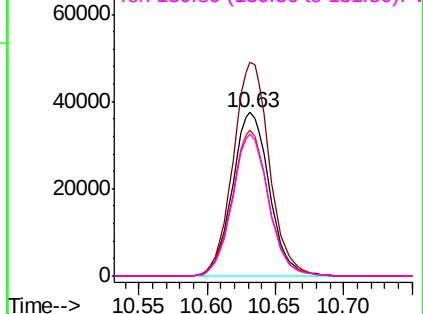


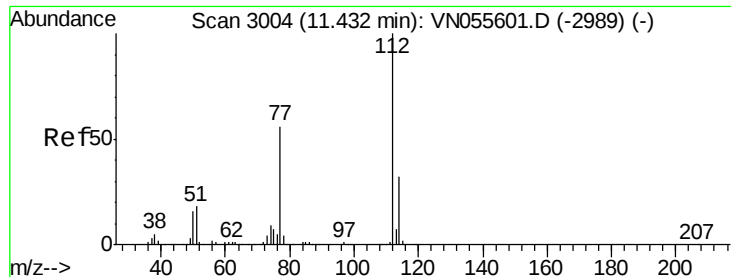
#64
Tetrachloroethene
Concen: 21.844 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN055706.D
Acq: 21 May 2019 13:53

Tgt Ion:164 Resp: 70540
Ion Ratio Lower Upper
164 100
166 130.8 101.0 151.6
129 89.2 71.7 107.5
131 86.6 69.6 104.4



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

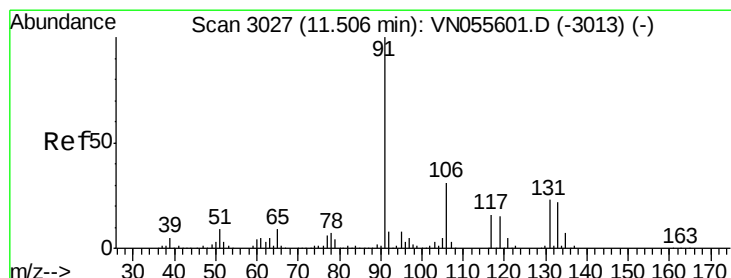
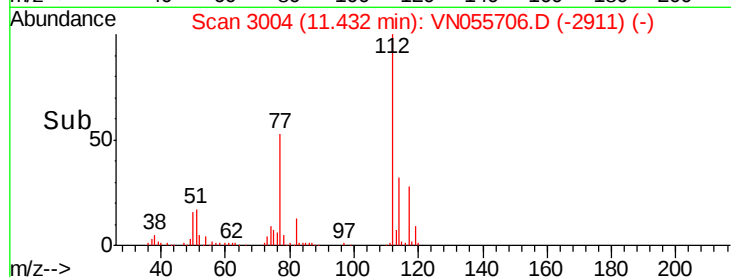
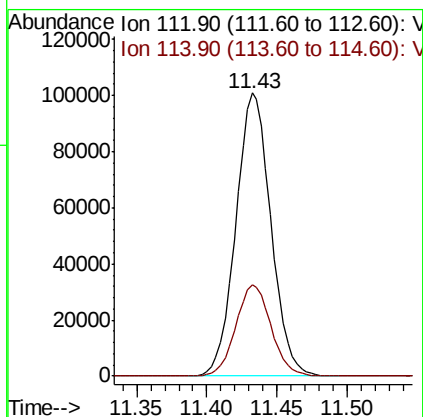
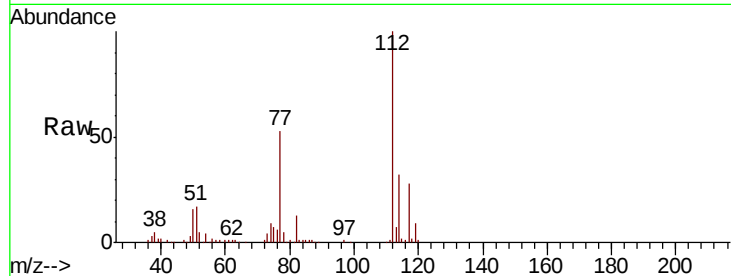




#65
Chlorobenzene
Concen: 21.185 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN055706.D
Acq: 21 May 2019 13:53

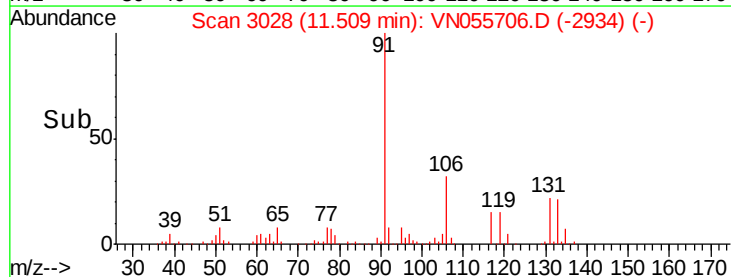
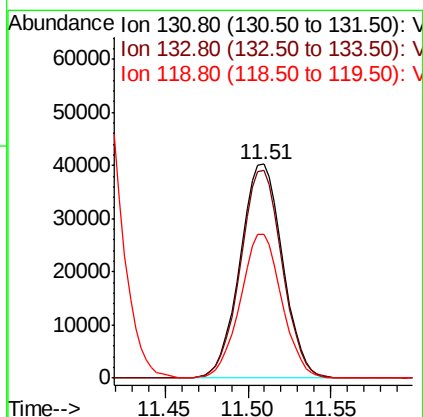
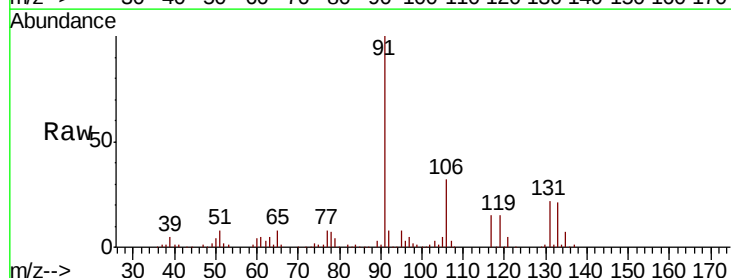
Instrument :
MSVOA_N
ClientSampled :

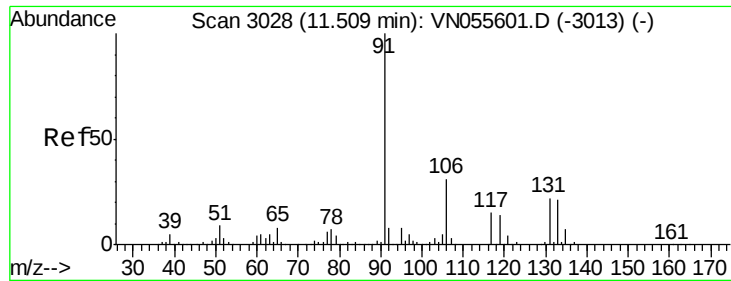
Tot Ion:112 Resp: 175435
Ion Ratio Lower Upper
112 100
114 32.1 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 21.571 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055706.D
Acq: 21 May 2019 13:53

Tgt Ion:131 Resp: 71861
Ion Ratio Lower Upper
131 100
133 95.3 47.8 143.4
119 65.4 33.3 99.8

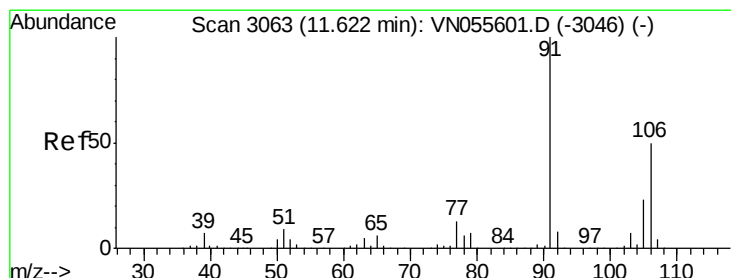
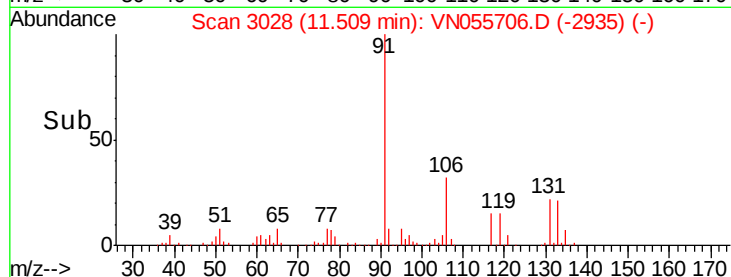
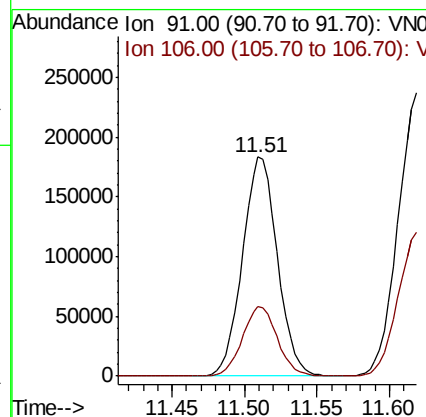
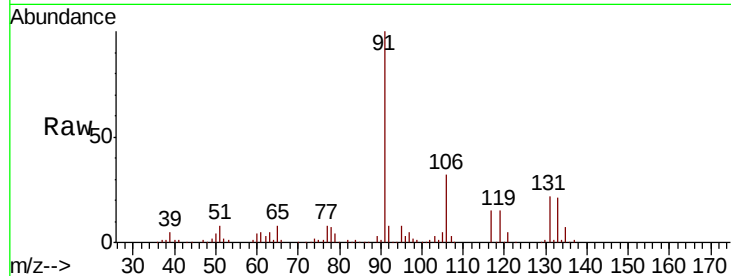




#67
Ethyl Benzene
Concen: 20.819 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN055706.D
Acq: 21 May 2019 13:53

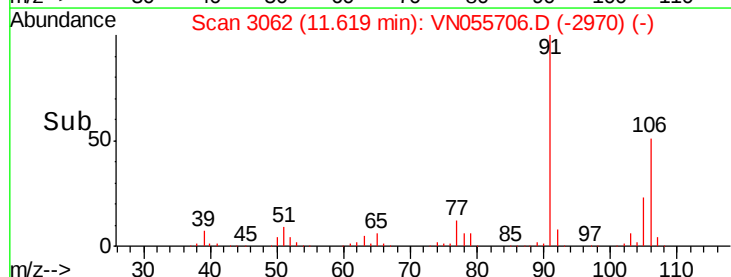
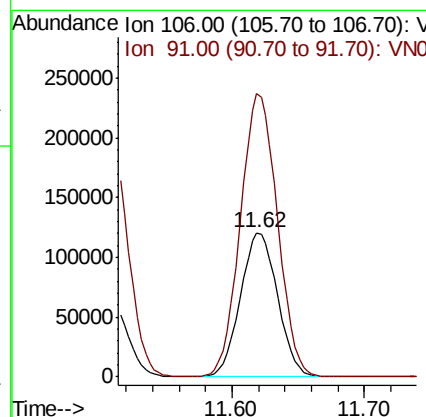
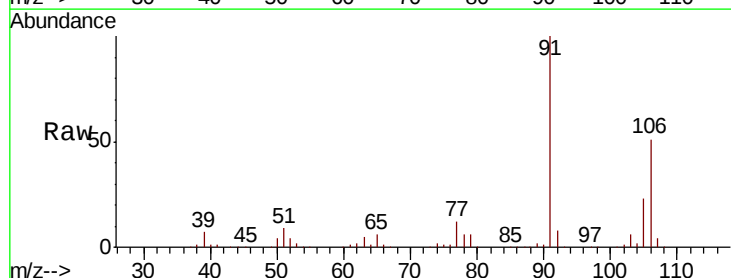
Instrument :
MSVOA_N
ClientSampled :

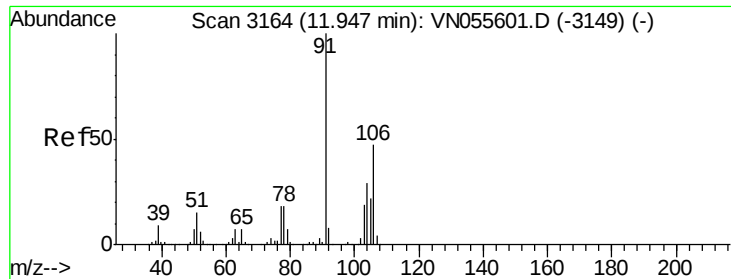
Tot Ion: 91 Resp: 307119
Ion Ratio Lower Upper
91 100
106 31.8 25.2 37.8



#68
m/p-Xylenes
Concen: 42.105 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN055706.D
Acq: 21 May 2019 13:53

Tgt Ion: 106 Resp: 234562
Ion Ratio Lower Upper
106 100
91 195.7 160.5 240.7

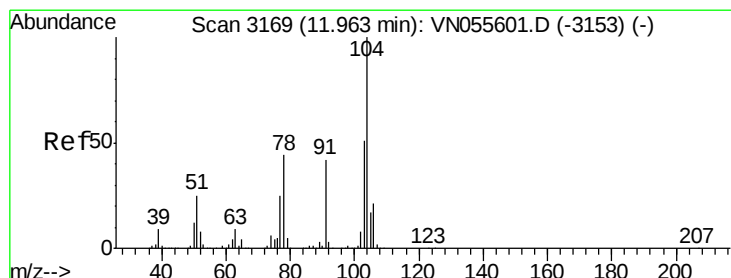
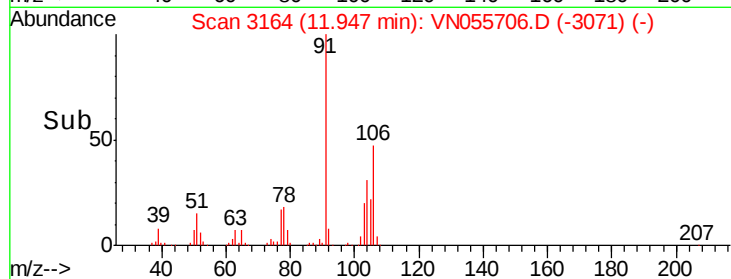
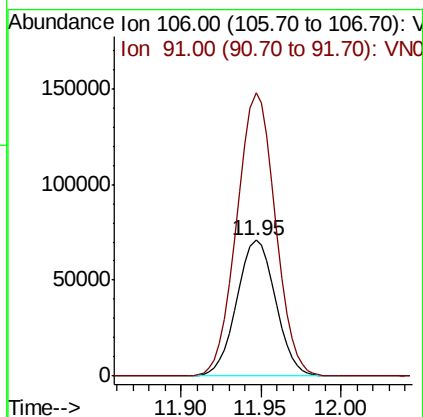
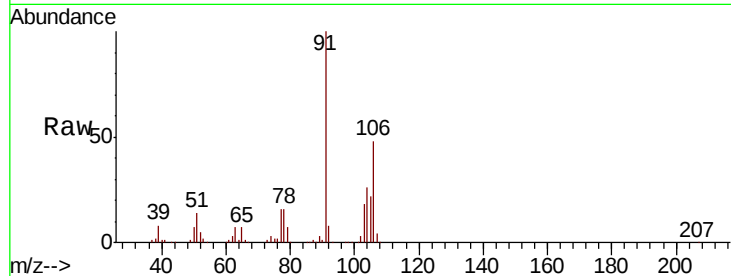




#69
o-Xylene
Concen: 21.498 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN055706.D
Acq: 21 May 2019 13:53

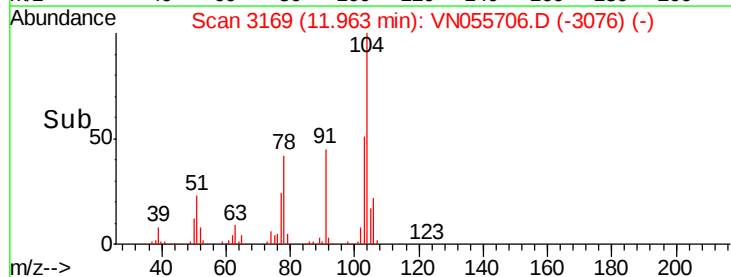
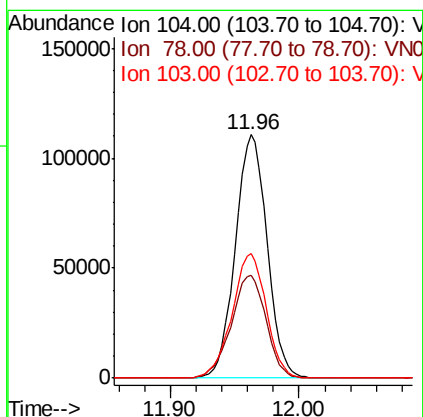
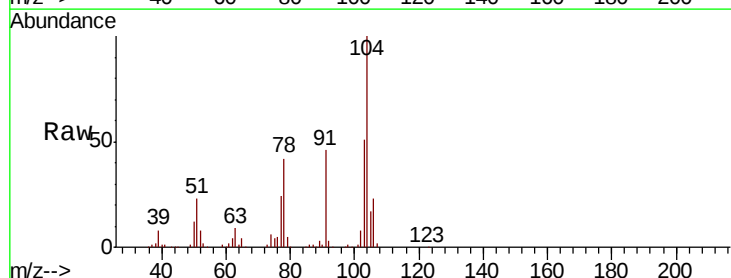
Instrument :
MSVOA_N
ClientSampled :

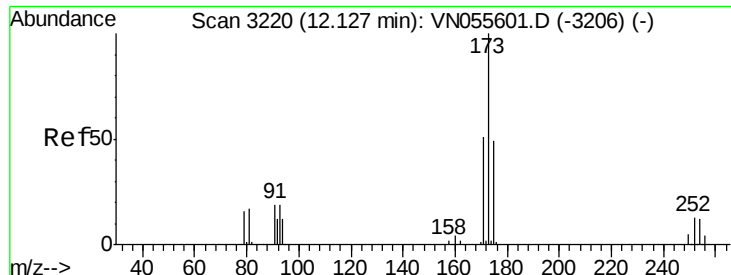
Tot Ion:106 Resp: 117134
Ion Ratio Lower Upper
106 100
91 207.0 106.7 320.2



#70
Styrene
Concen: 20.902 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN055706.D
Acq: 21 May 2019 13:53

Tgt Ion:104 Resp: 189363
Ion Ratio Lower Upper
104 100
78 46.4 38.6 58.0
103 55.0 44.4 66.6





#71

Bromoform

Concen: 21.805 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN055706.D

Acq: 21 May 2019 13:53

Instrument :

MSVOA_N

ClientSampleId :

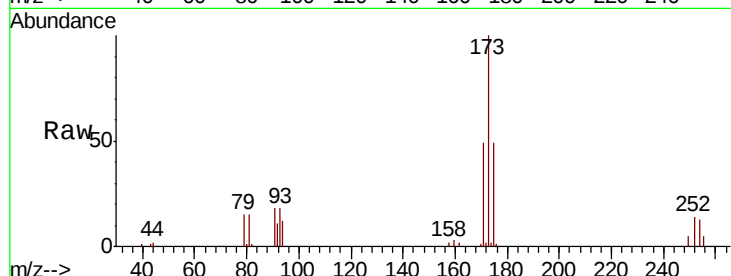
Tot Ion:173 Resp: 61559

Ion Ratio Lower Upper

173 100

175 48.9 24.3 72.9

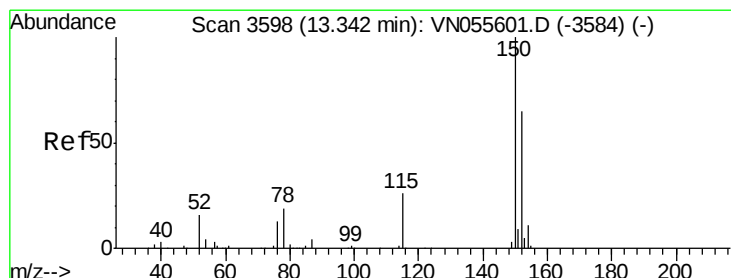
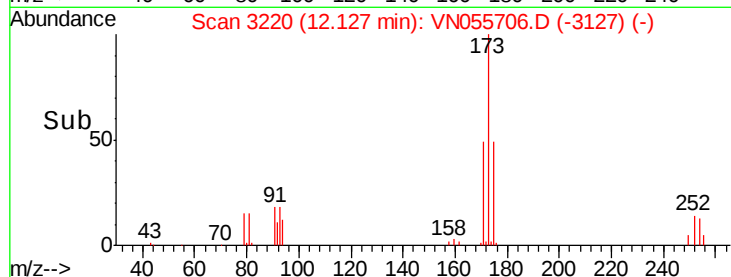
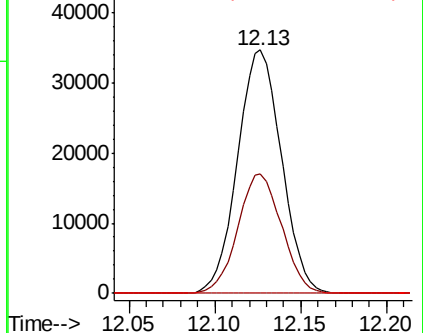
254 0.0 0.1 0.1#



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: VN055706.D

Acq: 21 May 2019 13:53

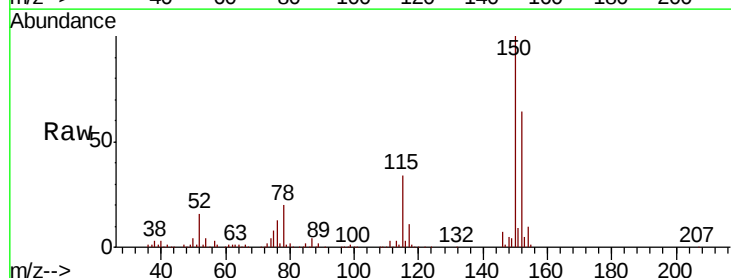
Tgt Ion:152 Resp: 168660

Ion Ratio Lower Upper

152 100

115 53.6 28.1 84.2

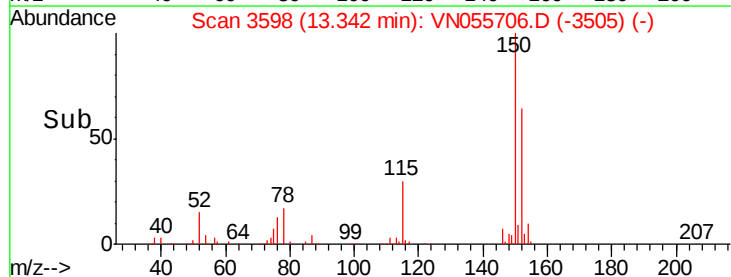
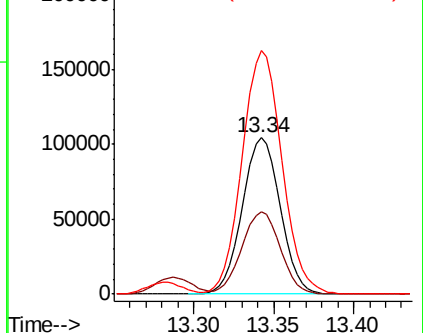
150 163.9 0.0 348.0

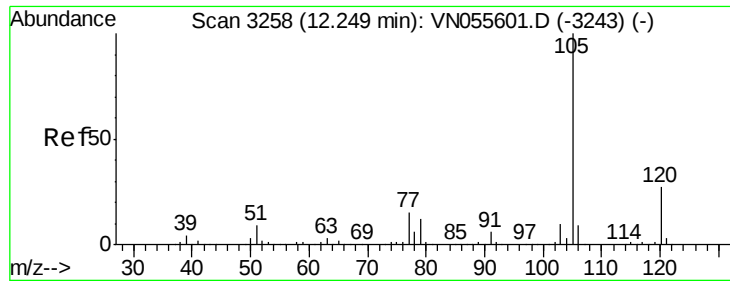


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 24.841 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055706.D

Acq: 21 May 2019 13:53

Instrument :

MSVOA_N

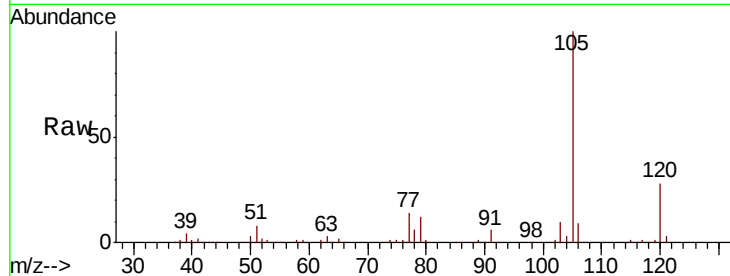
ClientSampleId :

Tot Ion:105 Resp: 308360

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

200000

150000

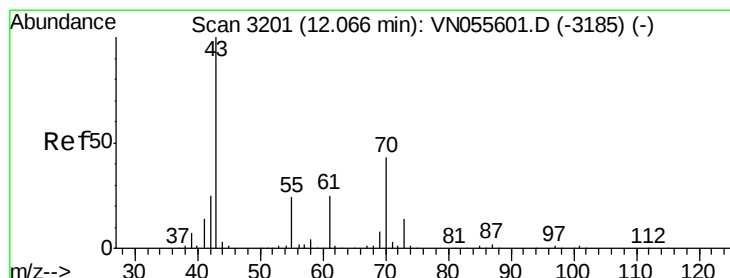
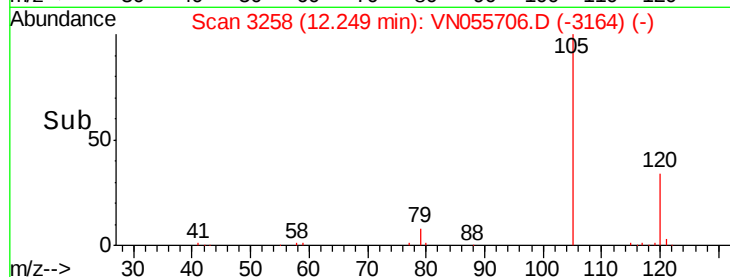
100000

50000

0

12.20 12.25 12.30

Time-->



#74

N-ethyl acetate

Concen: 22.035 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN055706.D

Acq: 21 May 2019 13:53

Tgt Ion: 43 Resp: 104358

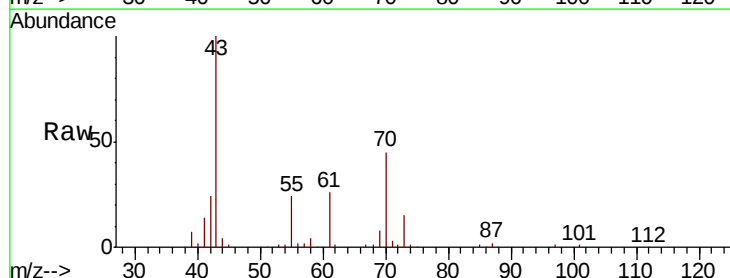
Ion Ratio Lower Upper

43 100

70 45.2 35.0 52.6

55 24.4 18.9 28.3

61 25.7 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

100000

80000

60000

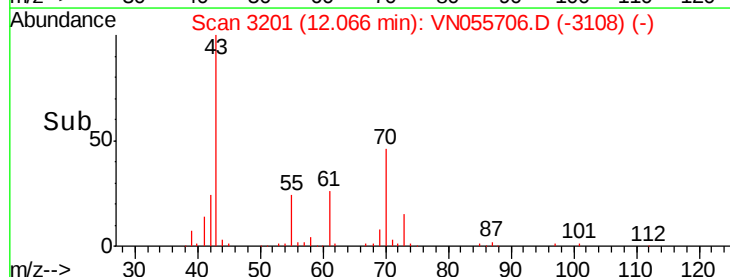
40000

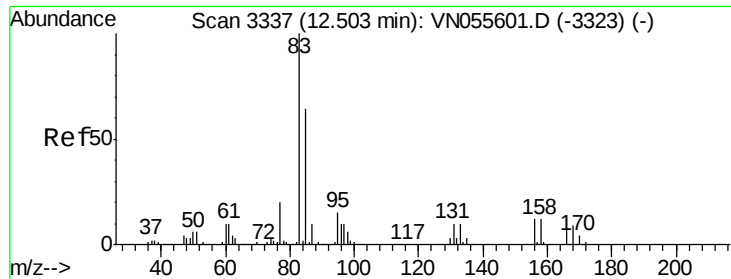
20000

0

12.00 12.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 24.543 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055706.D

Acq: 21 May 2019 13:53

Instrument :

MSVOA_N

ClientSampled :

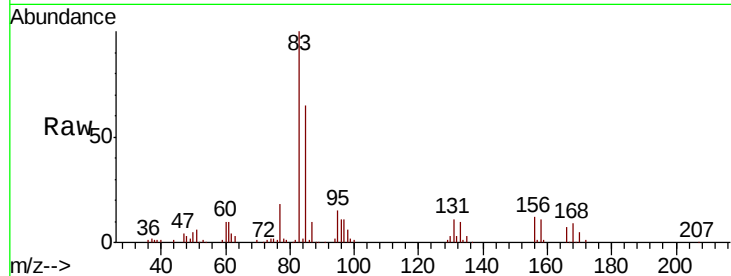
Tot Ion: 83 Resp: 94568

Ion Ratio Lower Upper

83 100

131 11.0 5.3 16.1

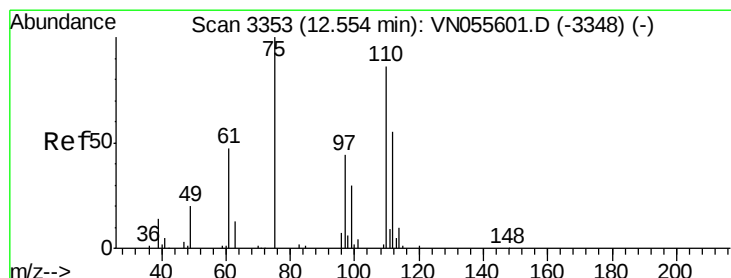
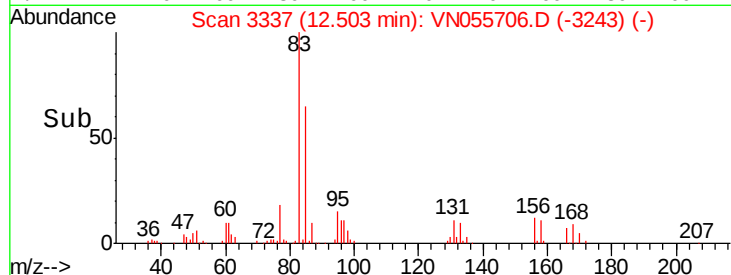
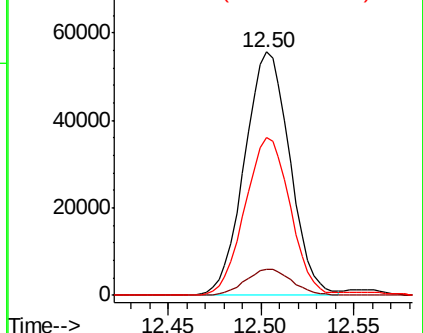
85 64.7 32.0 96.2



Abundance Ion 82.90 (82.60 to 83.60): VN055706.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN055706.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN055706.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 32.245 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN055706.D

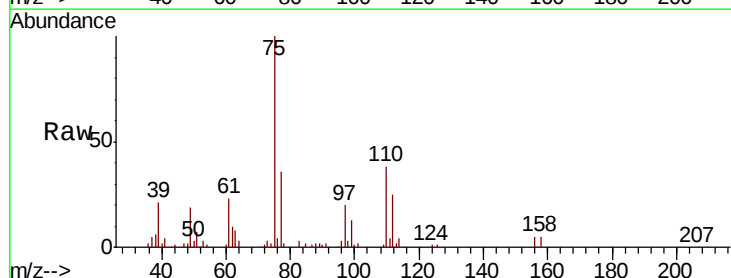
Acq: 21 May 2019 13:53

Tgt Ion: 75 Resp: 110974

Ion Ratio Lower Upper

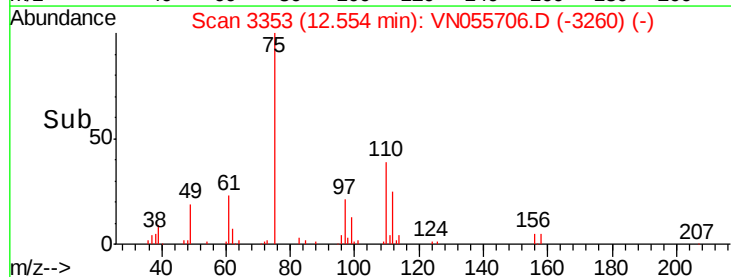
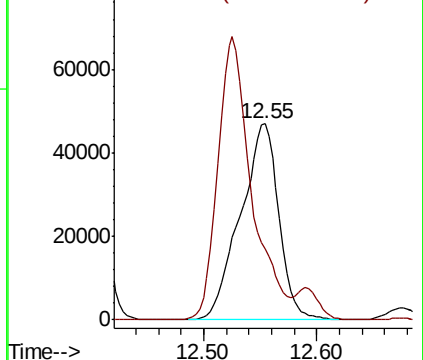
75 100

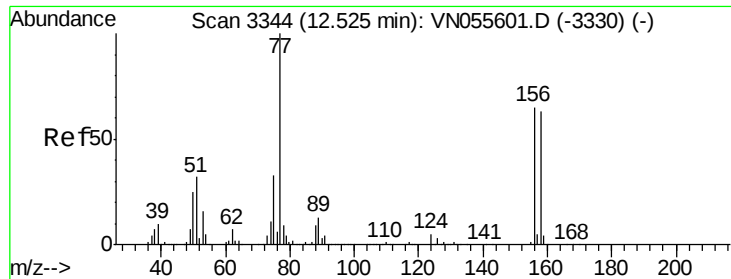
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN055706.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN055706.D (-3260) (-)





#77

Bromobenzene

Concen: 23.221 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN055706.D

Acq: 21 May 2019 13:53

Instrument :

MSVOA_N

ClientSampleId :

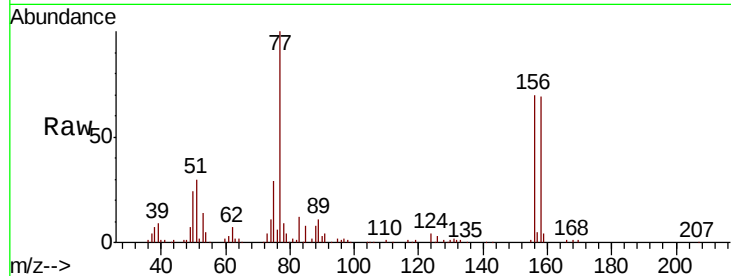
Tot Ion:156 Resp: 80434

Ion Ratio Lower Upper

156 100

77 174.5 94.5 283.5

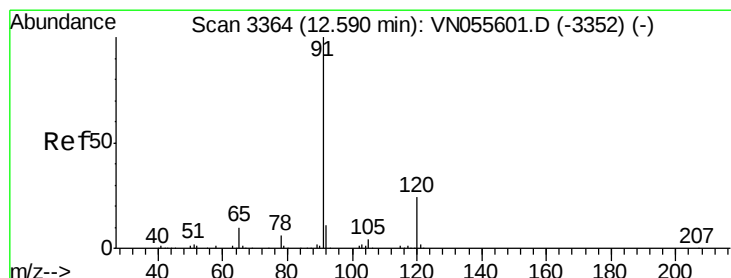
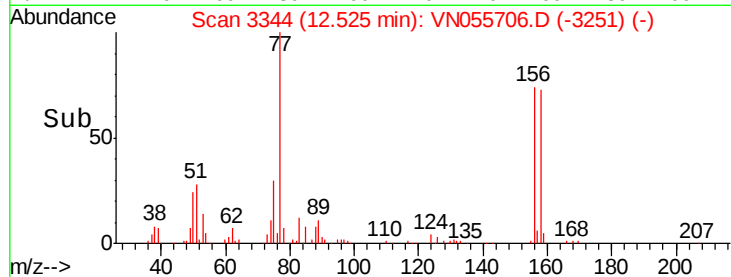
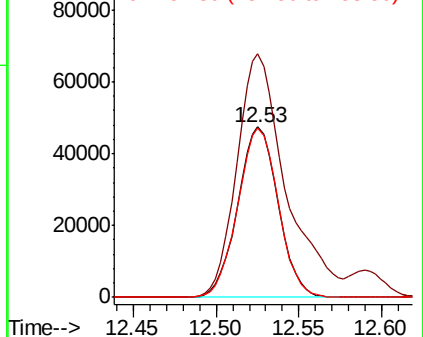
158 99.4 49.0 147.2



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: 21.136 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN055706.D

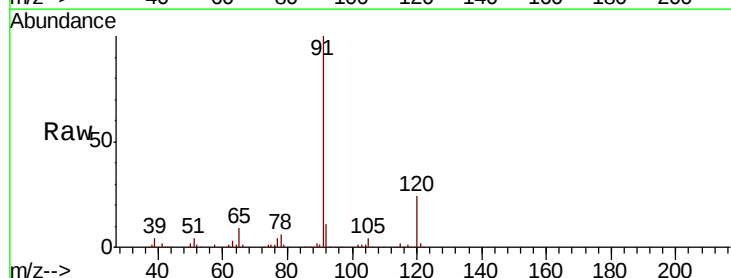
Acq: 21 May 2019 13:53

Tgt Ion: 91 Resp: 316568

Ion Ratio Lower Upper

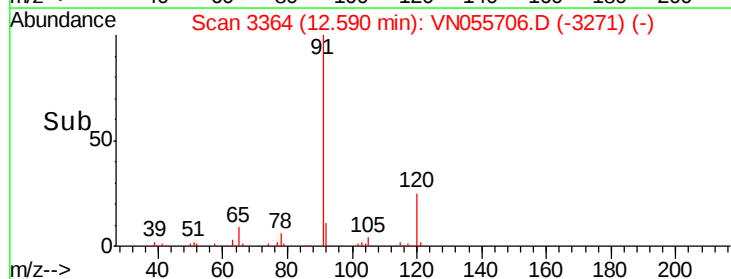
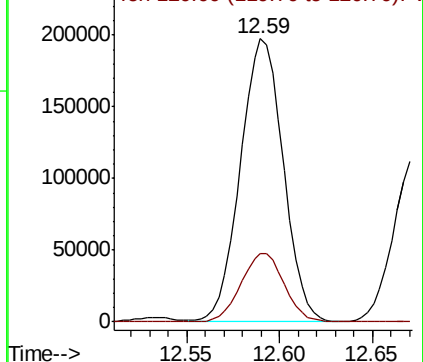
91 100

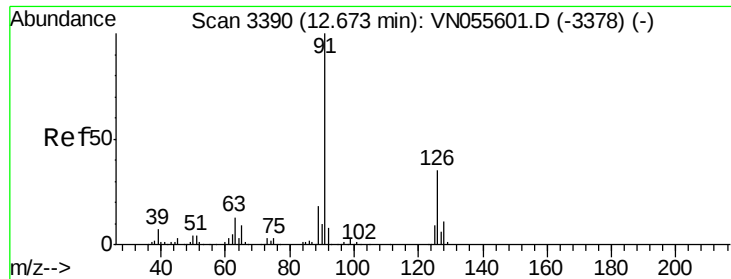
120 24.4 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 23.743 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055706.D

Acq: 21 May 2019 13:53

Instrument :

MSVOA_N

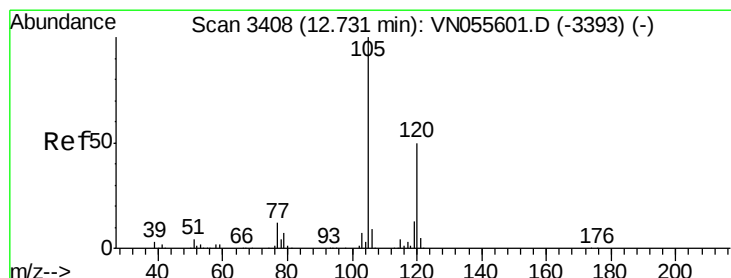
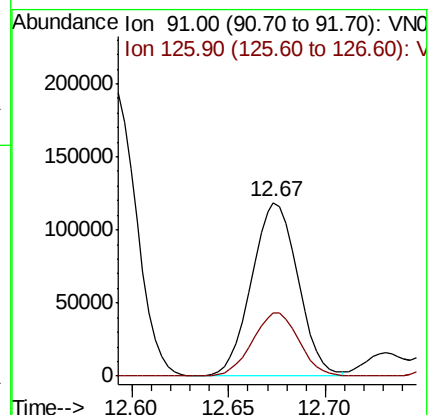
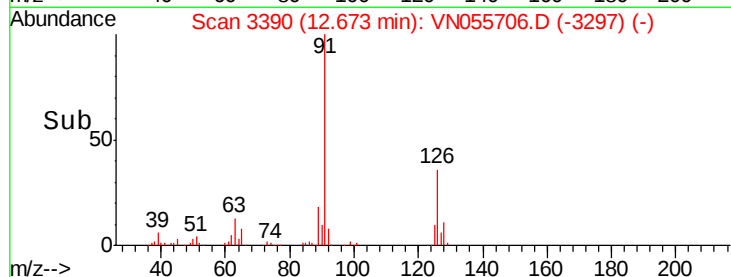
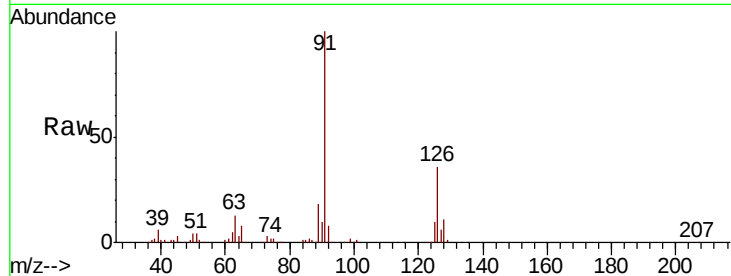
ClientSampled :

Tot Ion: 91 Resp: 197398

Ion Ratio Lower Upper

91 100

126 36.7 17.8 53.4



#80

1,3,5-Trimethylbenzene

Concen: 24.222 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055706.D

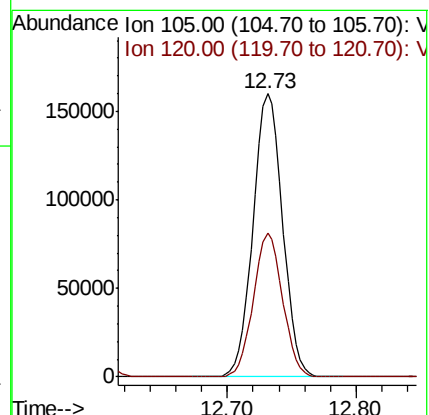
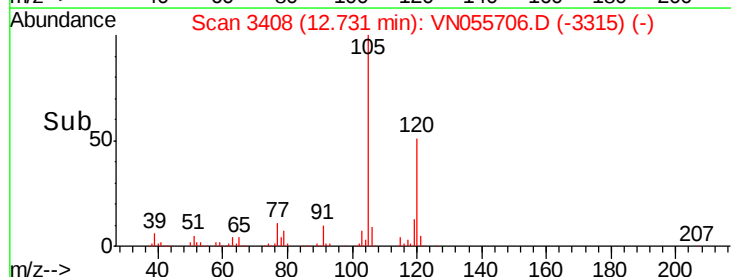
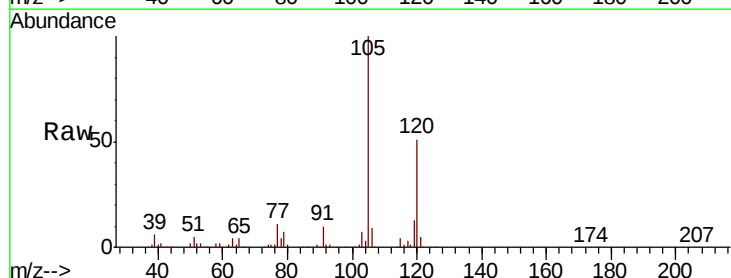
Acq: 21 May 2019 13:53

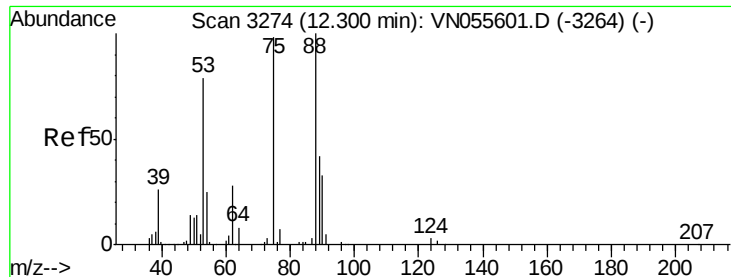
Tgt Ion: 105 Resp: 255543

Ion Ratio Lower Upper

105 100

120 50.1 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 20.667 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN055706.D

Acq: 21 May 2019 13:53

Instrument :

MSVOA_N

ClientSampleId :

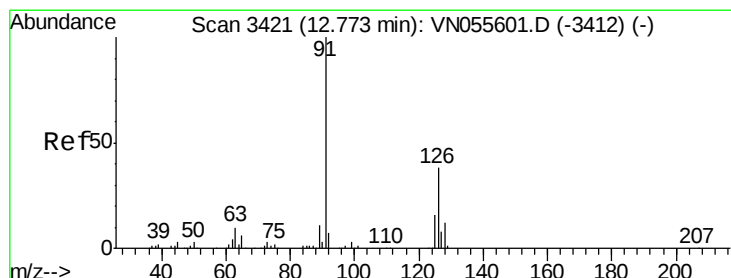
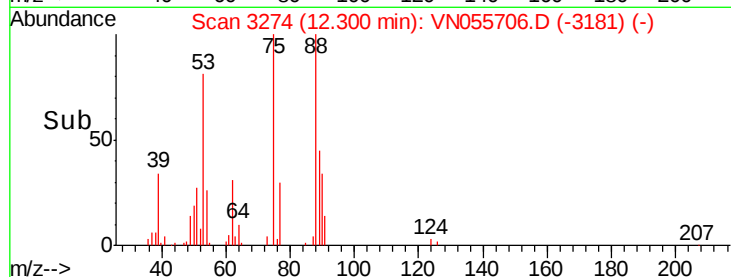
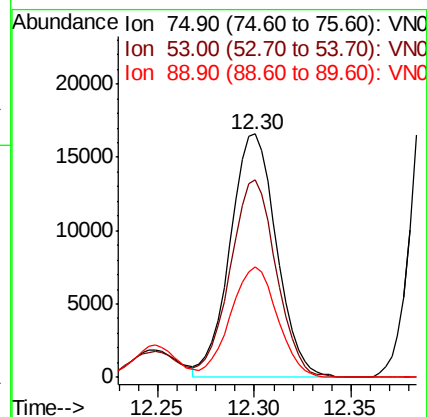
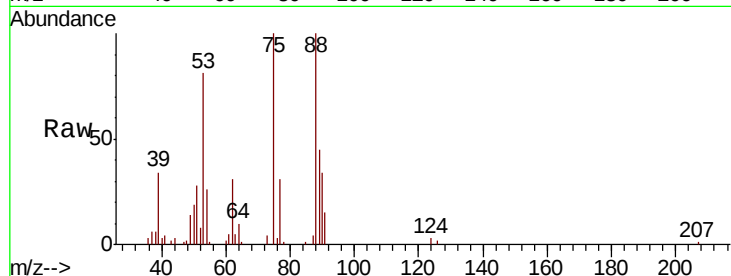
Tot Ion: 75 Resp: 27669

Ion Ratio Lower Upper

75 100

53 80.7 65.1 97.7

89 45.8 36.4 54.6



#82

4-Chlorotoluene

Concen: 20.410 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN055706.D

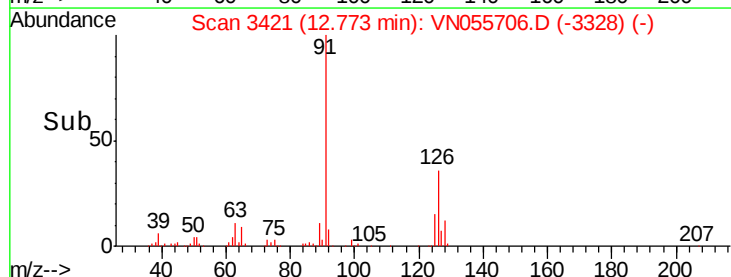
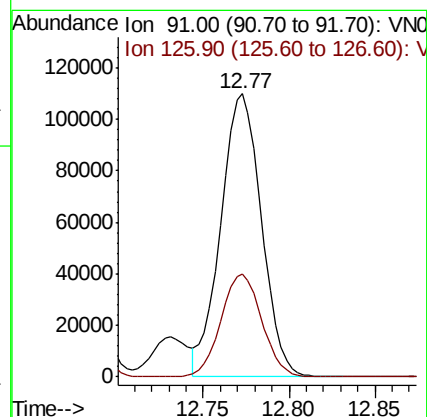
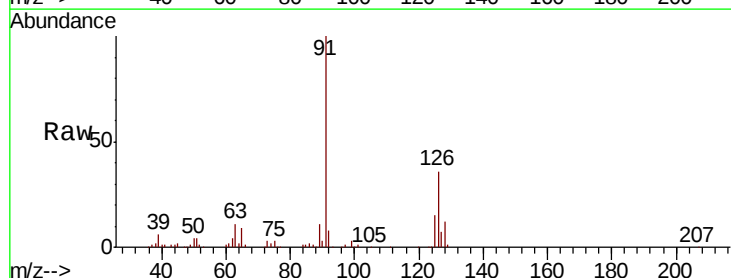
Acq: 21 May 2019 13:53

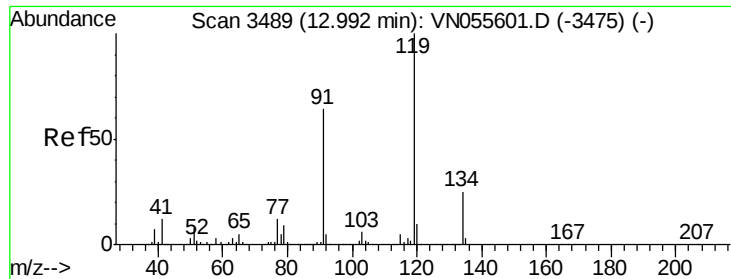
Tgt Ion: 91 Resp: 180112

Ion Ratio Lower Upper

91 100

126 36.7 17.5 52.6

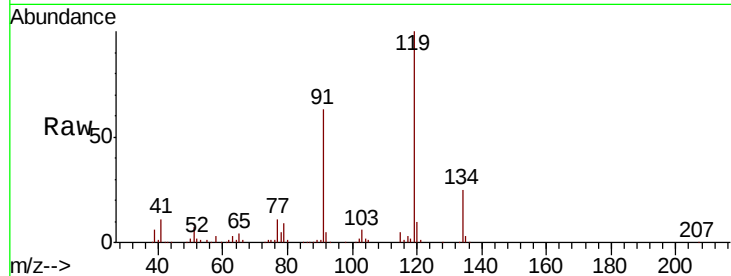




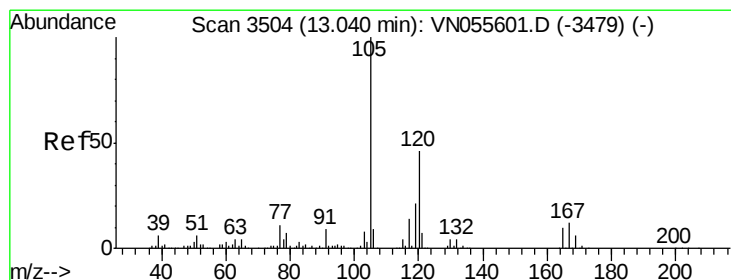
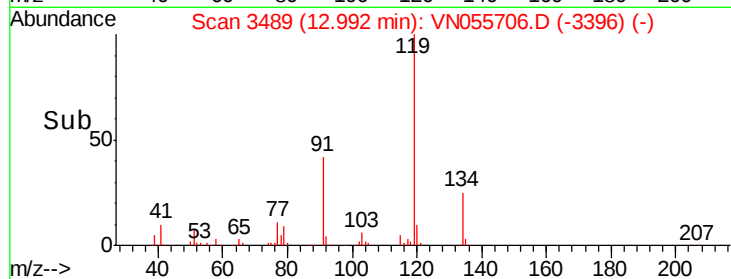
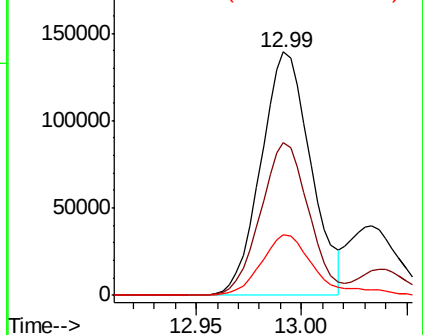
#83
tert-Butylbenzene
Concen: 25.293 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055706.D
Acq: 21 May 2019 13:53

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:119 Resp: 228806
Ion Ratio Lower Upper
119 100
91 60.9 31.3 93.8
134 26.6 13.2 39.6

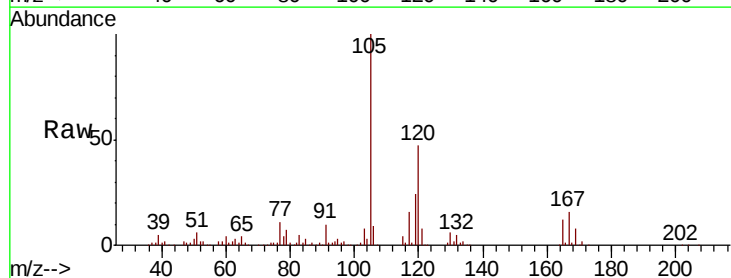


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

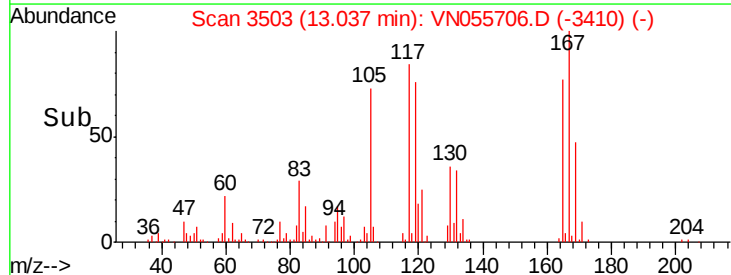
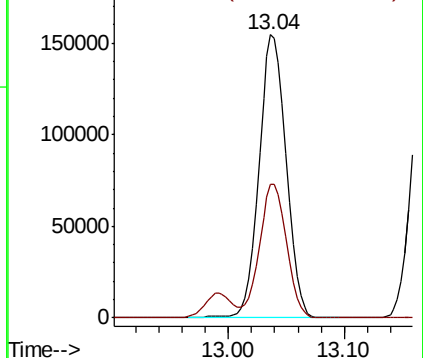


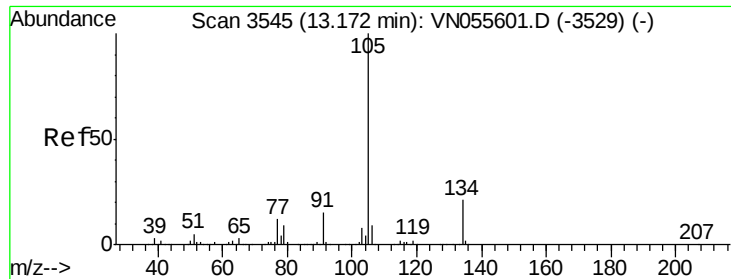
#84
1,2,4-Trimethylbenzene
Concen: 24.030 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN055706.D
Acq: 21 May 2019 13:53

Tgt Ion:105 Resp: 251751
Ion Ratio Lower Upper
105 100
120 47.0 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: 23.835 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055706.D

Acq: 21 May 2019 13:53

Instrument :

MSVOA_N

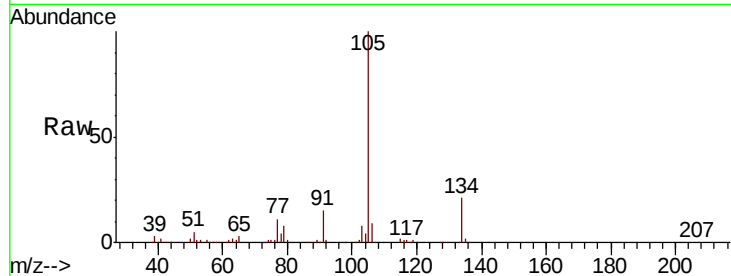
ClientSampleId :

Tot Ion:105 Resp: 281372

Ion Ratio Lower Upper

105 100

134 21.1 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

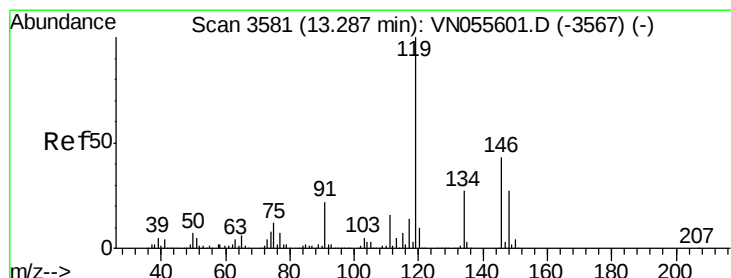
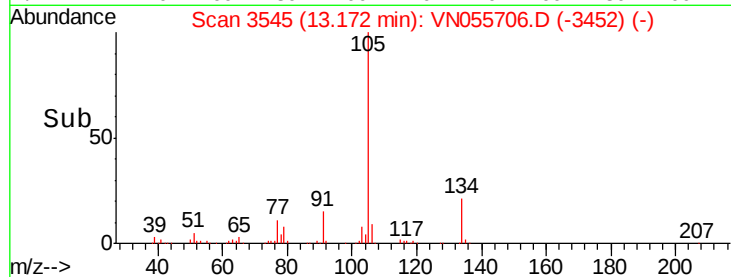
150000

100000

50000

0

Time--> 13.10 13.15 13.20 13.25



#86

p-Isopropyltoluene

Concen: 23.739 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055706.D

Acq: 21 May 2019 13:53

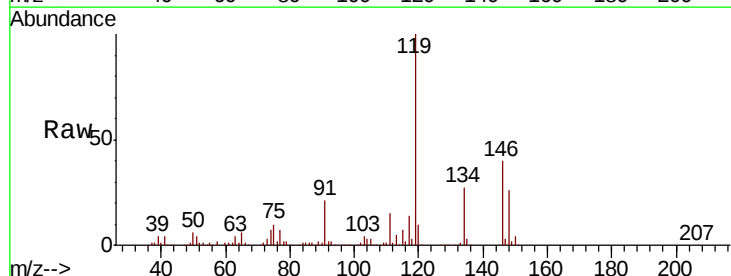
Tgt Ion:119 Resp: 258847

Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.2

91 21.1 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

200000

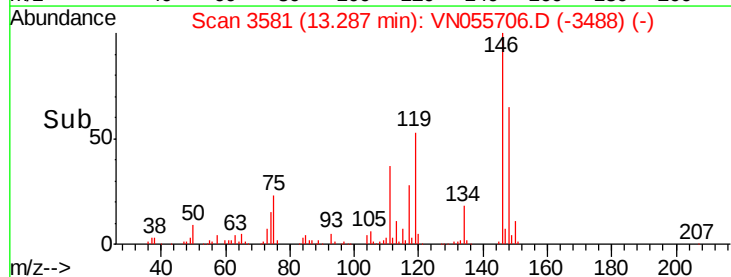
150000

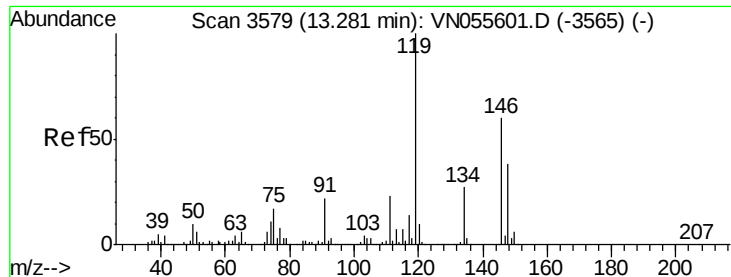
100000

50000

0

Time--> 13.20 13.25 13.30 13.35

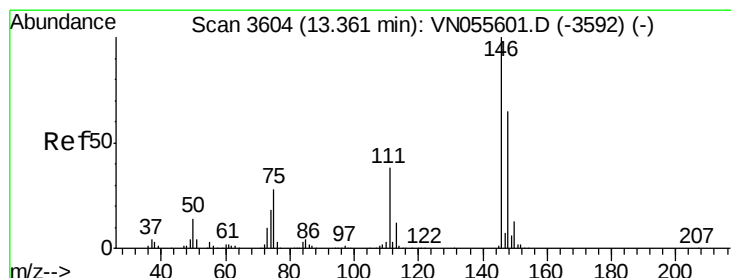
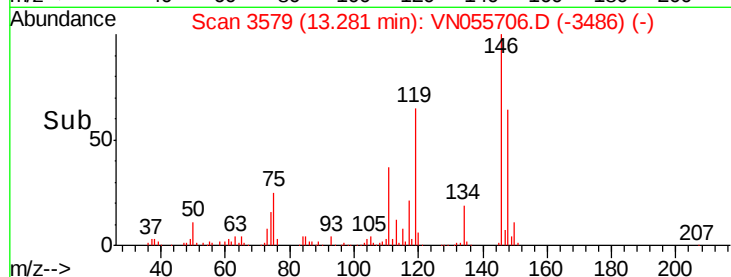
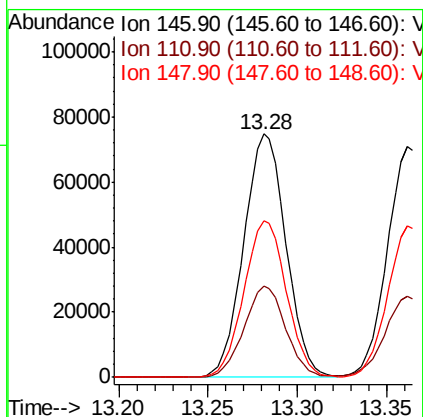
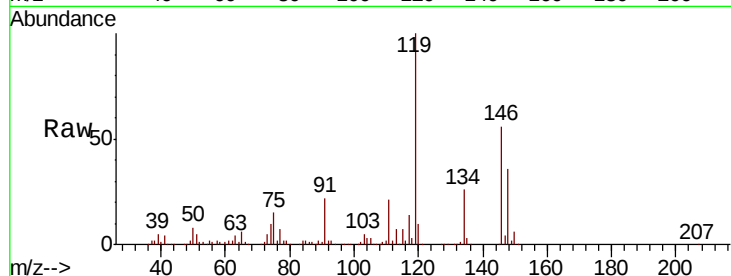




#87
 1,3-Dichlorobenzene
 Concen: 21.573 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN055706.D
 Acq: 21 May 2019 13:53

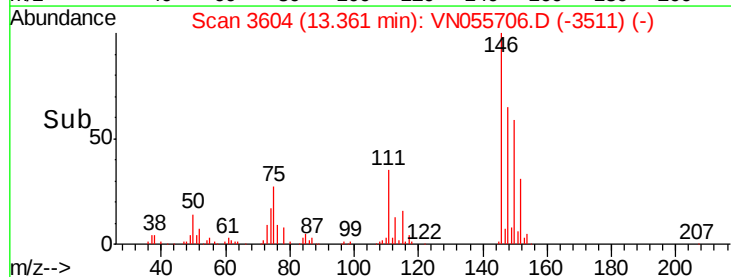
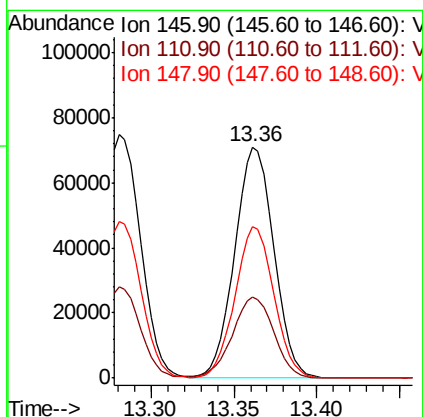
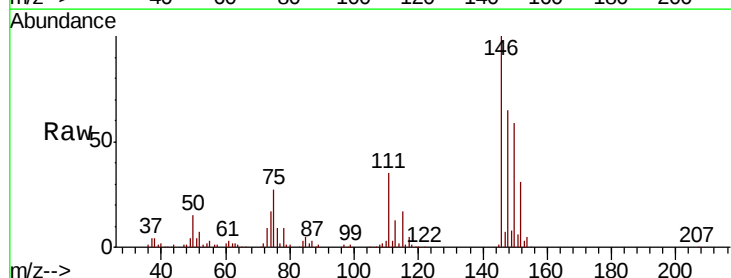
Instrument :
 MSVOA_N
 ClientSampleId :

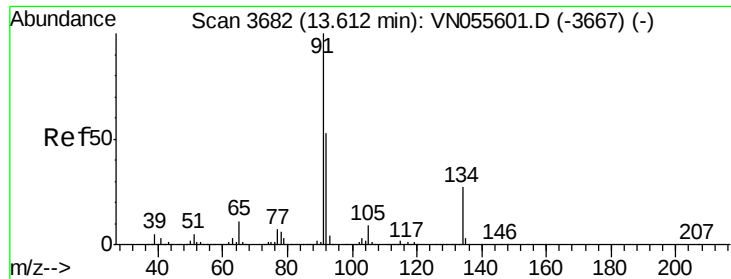
Tot Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.9	56.9
148	64.5	31.9	95.9



#88
 1,4-Dichlorobenzene
 Concen: 21.389 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN055706.D
 Acq: 21 May 2019 13:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.8	56.4
148	65.1	32.4	97.0

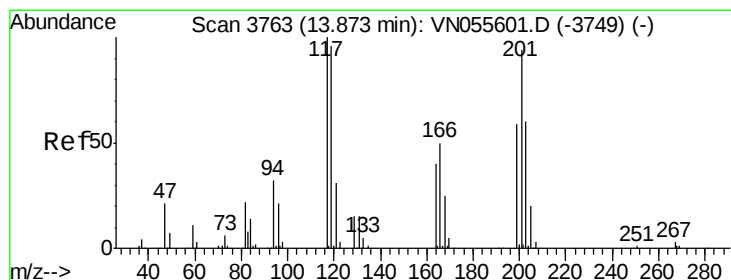
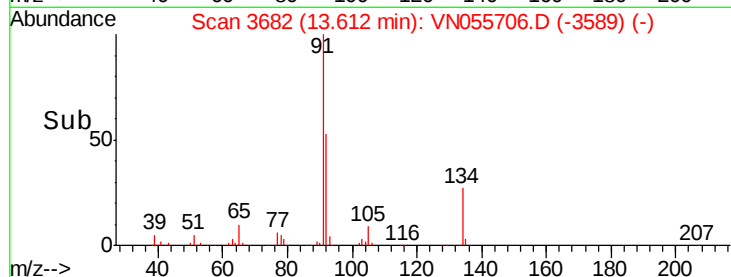
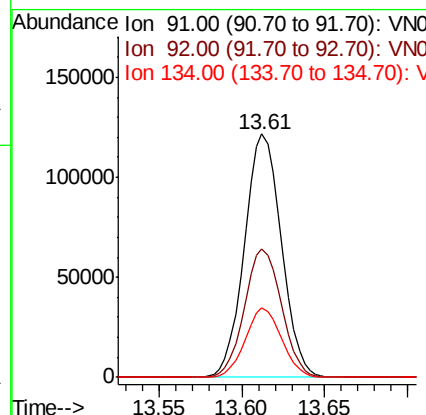
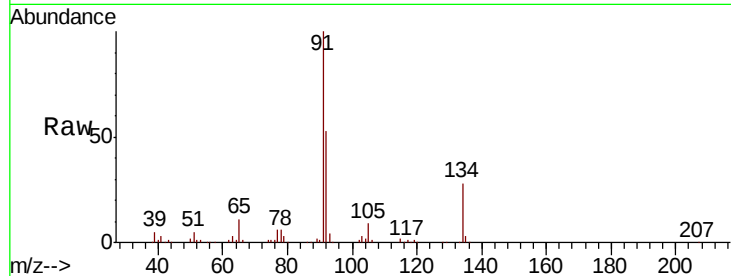




#89
n-Butylbenzene
Concen: 20.362 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN055706.D
Acq: 21 May 2019 13:53

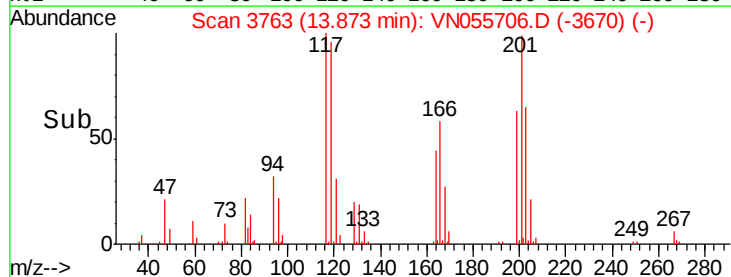
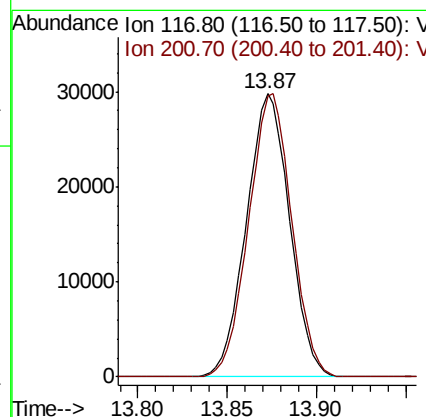
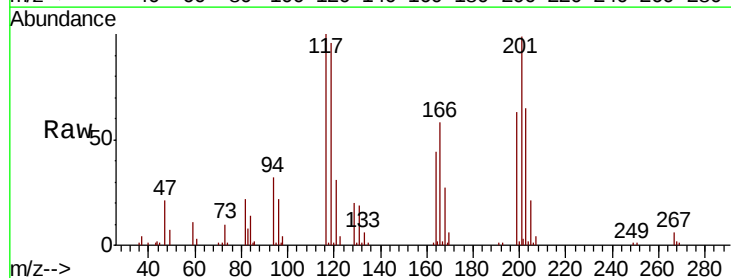
Instrument :
MSVOA_N
ClientSampleId :

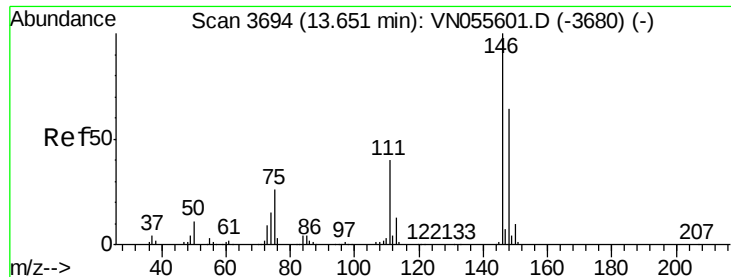
Tot Ion: 91 Resp: 188454
Ion Ratio Lower Upper
91 100
92 52.8 26.4 79.0
134 28.0 13.7 41.1



#90
Hexachloroethane
Concen: 24.033 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055706.D
Acq: 21 May 2019 13:53

Tgt Ion: 117 Resp: 50455
Ion Ratio Lower Upper
117 100
201 99.6 47.1 141.3





#91

1,2-Dichlorobenzene

Concen: 22.213 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN055706.D

Acq: 21 May 2019 13:53

Instrument :

MSVOA_N

ClientSampleId :

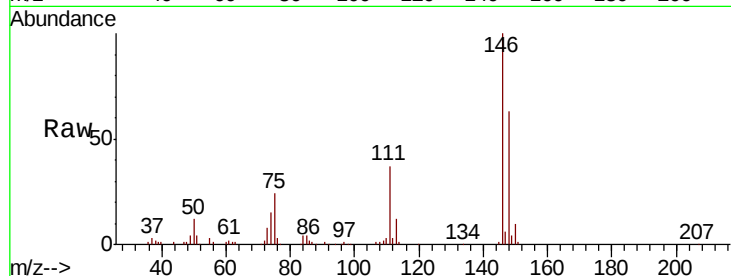
Tot Ion:146 Resp: 126813

Ion Ratio Lower Upper

146 100

111 37.5 19.7 59.0

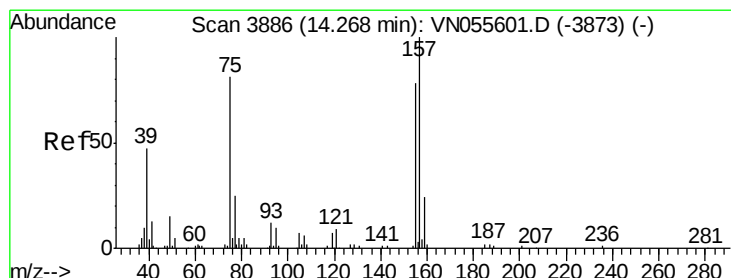
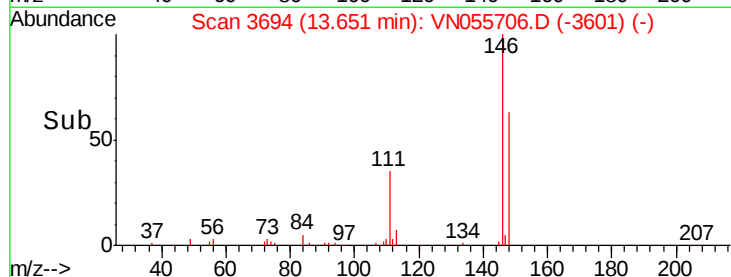
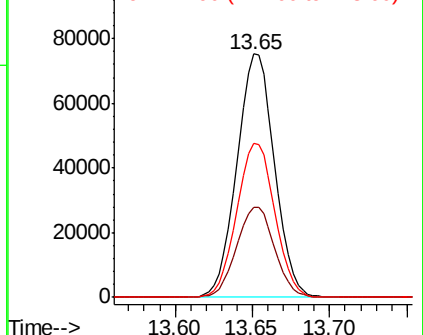
148 64.2 32.1 96.3



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: 20.327 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN055706.D

Acq: 21 May 2019 13:53

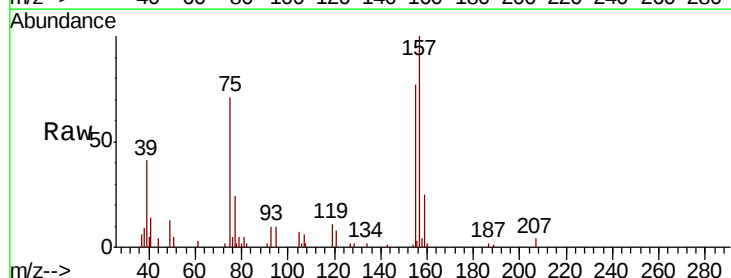
Tgt Ion: 75 Resp: 15559

Ion Ratio Lower Upper

75 100

155 107.2 48.4 145.0

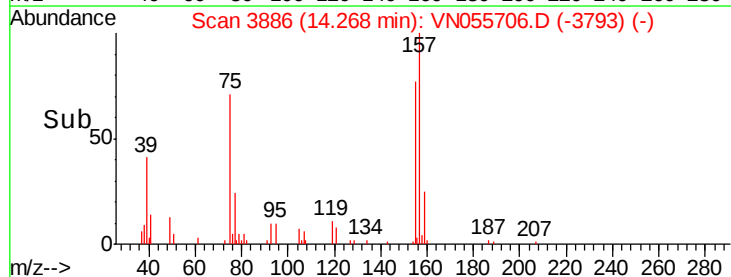
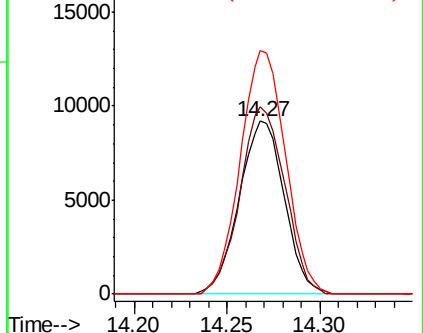
157 141.1 62.3 186.8

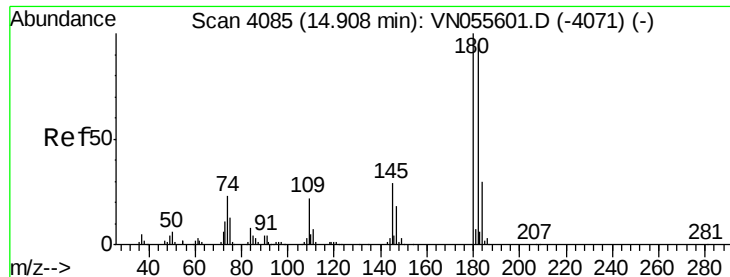


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

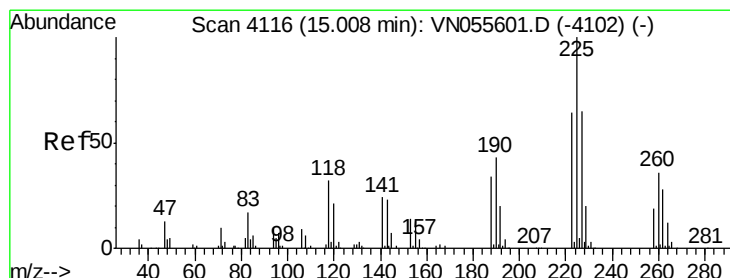
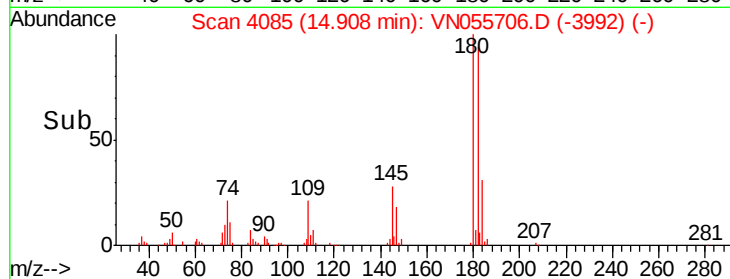
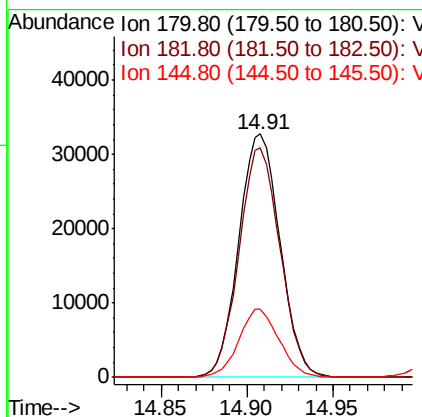
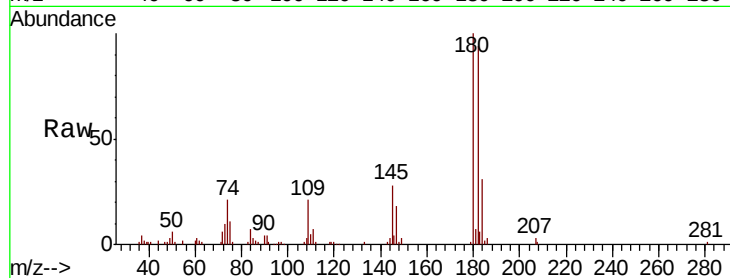




#93
 1,2,4-Trichlorobenzene
 Concen: 18.757 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN055706.D
 Acq: 21 May 2019 13:53

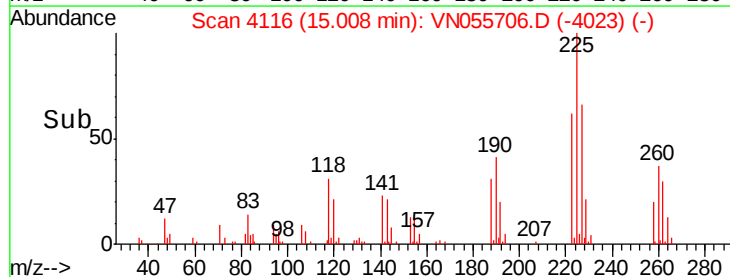
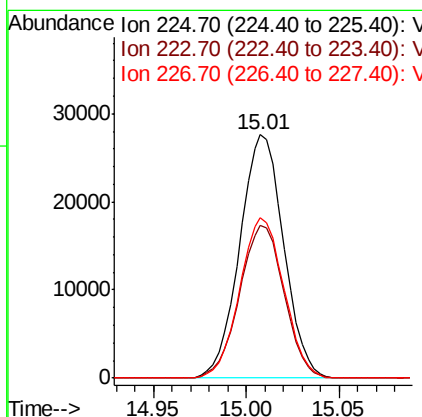
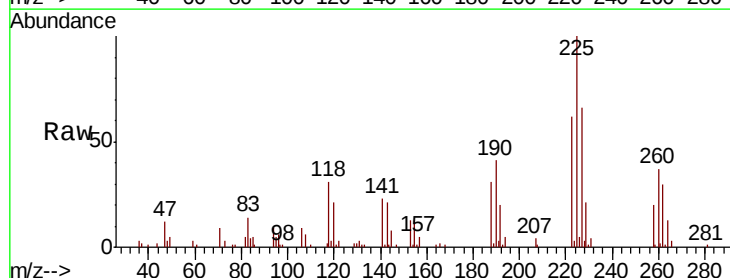
Instrument :
 MSVOA_N
 ClientSampleId :

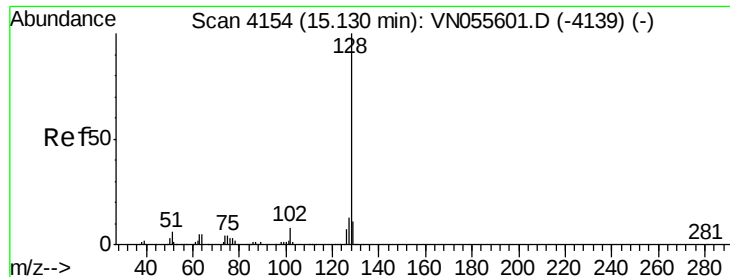
Tot Ion:180 Resp: 54508
 Ion Ratio Lower Upper
 180 100
 182 93.7 47.9 143.6
 145 27.2 14.3 42.9



#94
 Hexachlorobutadiene
 Concen: 24.371 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055706.D
 Acq: 21 May 2019 13:53

Tgt Ion:225 Resp: 45366
 Ion Ratio Lower Upper
 225 100
 223 63.6 31.6 94.7
 227 66.0 32.4 97.0

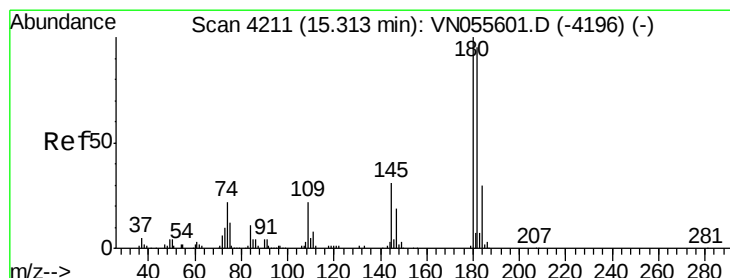
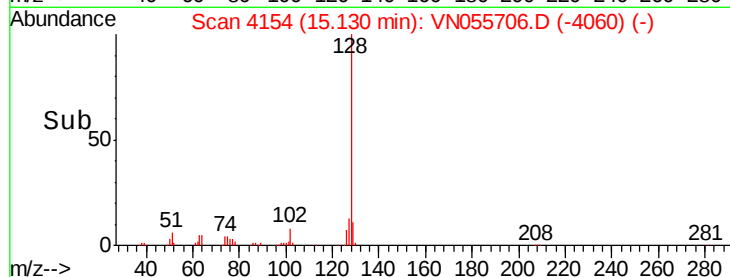
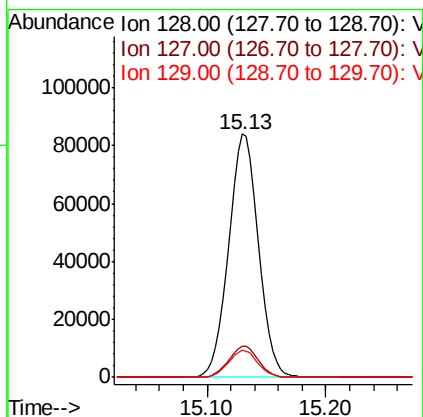
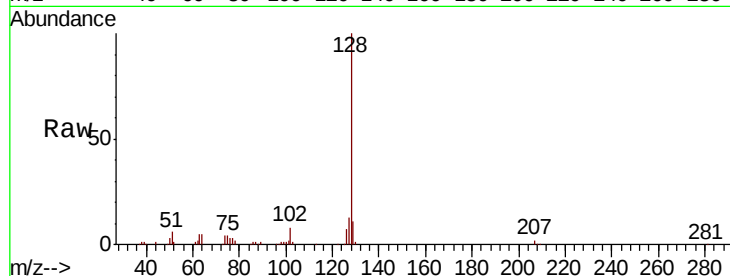




#95
Naphthalene
Concen: 17.782 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN055706.D
Acq: 21 May 2019 13:53

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:128 Resp: 145621
Ion Ratio Lower Upper
128 100
127 12.6 10.2 15.4
129 11.0 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 18.897 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN055706.D
Acq: 21 May 2019 13:53

Tgt Ion:180 Resp: 57419
Ion Ratio Lower Upper
180 100
182 93.9 47.9 143.6
145 29.6 15.4 46.1

