

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071219\
 Data File : VN056668.D
 Acq On : 11 Jul 2019 16:32
 Operator : JC/SP
 Sample : VN0712WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0712WBS01

Quant Time: Jul 12 04:49:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061919W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 03:45:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	307651	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	471173	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	418043	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	182471	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	171362	50.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.52%	
35) Dibromofluoromethane	7.59	113	151685	51.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.22%	
50) Toluene-d8	10.09	98	563641	49.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.56%	
62) 4-Bromofluorobenzene	12.40	95	191467	50.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	42059	16.145	ug/l	99
3) Chloromethane	2.06	50	56401	15.901	ug/l	99
4) Vinyl Chloride	2.18	62	58942	17.205	ug/l	99
5) Bromomethane	2.55	94	33802	16.830	ug/l	98
6) Chloroethane	2.69	64	35322	17.804	ug/l	95
7) Trichlorofluoromethane	3.01	101	81464	18.383	ug/l	97
8) Diethyl Ether	3.41	74	33560	17.894	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.75	101	52911	18.722	ug/l	99
10) Methyl Iodide	3.95	142	56709	14.847	ug/l	99
11) Tert butyl alcohol	4.79	59	54873	95.550	ug/l	97
12) 1,1-Dichloroethene	3.73	96	47086	17.325	ug/l	99
13) Acrolein	3.61	56	15342	31.697	ug/l	99
14) Allyl chloride	4.32	41	86833	19.194	ug/l	98
15) Acrylonitrile	4.99	53	164323	103.429	ug/l	99
16) Acetone	3.82	43	148199	86.751	ug/l	100
17) Carbon Disulfide	4.05	76	88017	14.239	ug/l	99
18) Methyl Acetate	4.33	43	73331	21.421	ug/l	98
19) Methyl tert-butyl Ether	5.04	73	176275	19.602	ug/l	95
20) Methylene Chloride	4.55	84	62815	18.952	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	50426	17.210	ug/l	98
22) Diisopropyl ether	5.95	45	195167	20.541	ug/l	97
23) Vinyl Acetate	5.90	43	766748	102.317	ug/l	100
24) 1,1-Dichloroethane	5.85	63	107279	19.670	ug/l	99
25) 2-Butanone	6.84	43	229099	101.328	ug/l	99
26) 2,2-Dichloropropane	6.82	77	75633	19.939	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	66403	19.370	ug/l	98
28) Bromochloromethane	7.19	49	49706	18.426	ug/l	99
29) Tetrahydrofuran	7.21	42	147771	106.950	ug/l	98
30) Chloroform	7.37	83	109345	20.318	ug/l	98
31) Cyclohexane	7.65	56	87900	16.694	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	83660	19.612	ug/l	97
36) 1,1-Dichloropropene	7.79	75	73783	17.791	ug/l	99
37) Ethyl Acetate	6.93	43	88646	21.750	ug/l	98
38) Carbon Tetrachloride	7.77	117	70677	19.488	ug/l	96

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	84121	16.439	ug/l	99
40) Benzene	8.04	78	240895	18.884	ug/l	97
41) Methacrylonitrile	7.17	41	31513	17.510	ug/l	89
42) 1,2-Dichloroethane	8.12	62	81904	19.455	ug/l	100
43) Isopropyl Acetate	8.17	43	132508	21.085	ug/l	99
44) Trichloroethene	8.84	130	63718	18.542	ug/l	98
45) 1,2-Dichloropropane	9.12	63	68717	20.142	ug/l	97
46) Dibromomethane	9.21	93	42723	20.016	ug/l	99
47) Bromodichloromethane	9.40	83	80420	21.244	ug/l	98
48) Methyl methacrylate	9.20	41	65238	20.715	ug/l	98
49) 1,4-Dioxane	9.20	88	27633	422.819	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	446735	110.136	ug/l	100
52) Toluene	10.16	92	146048	18.726	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	79301	19.837	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	94188	20.661	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	66162	21.105	ug/l	98
56) Ethyl methacrylate	10.43	69	94811	20.694	ug/l	99
57) 1,3-Dichloropropane	10.71	76	107549	20.421	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	223894	136.031	ug/l	99
59) 2-Hexanone	10.75	43	323155	108.398	ug/l	98
60) Dibromochloromethane	10.90	129	62865	20.962	ug/l	98
61) 1,2-Dibromoethane	11.00	107	64932	20.280	ug/l	98
64) Tetrachloroethene	10.63	164	62434	18.859	ug/l	98
65) Chlorobenzene	11.43	112	162973	19.402	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	61154	21.541	ug/l	98
67) Ethyl Benzene	11.51	91	279864	18.975	ug/l	100
68) m/p-Xylenes	11.62	106	208007	38.482	ug/l	98
69) o-Xylene	11.95	106	104940	19.624	ug/l	98
70) Styrene	11.96	104	173030	20.243	ug/l	100
71) Bromoform	12.13	173	44650	21.413	ug/l #	99
73) Isopropylbenzene	12.25	105	274093	18.295	ug/l	100
74) N-amyl acetate	12.07	43	105521	18.170	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	97005	21.085	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	112380	29.702	ug/l #	100
77) Bromobenzene	12.53	156	72868	17.860	ug/l	96
78) n-propylbenzene	12.59	91	300264	17.969	ug/l	99
79) 2-Chlorotoluene	12.67	91	185347	18.642	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	234208	18.994	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	22697	21.321	ug/l	98
82) 4-Chlorotoluene	12.77	91	179149	18.158	ug/l	99
83) tert-Butylbenzene	12.99	119	201985	18.444	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	232301	18.911	ug/l	99
85) sec-Butylbenzene	13.17	105	261630	17.814	ug/l	99
86) p-Isopropyltoluene	13.29	119	233428	18.519	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	116804	18.891	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	114515	19.123	ug/l	100
89) n-Butylbenzene	13.61	91	183945	19.278	ug/l	99
90) Hexachloroethane	13.87	117	36265	18.455	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	123225	20.087	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	15179	22.482	ug/l	97

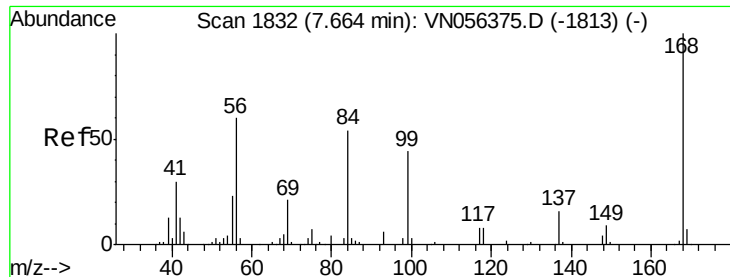
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN071219\
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Quant Title : SW846 8260
QLast Update : Fri Jun 21 03:45:40 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	55462	21.026	ug/l	98
94) Hexachlorobutadiene	15.01	225	41799	18.939	ug/l	99
95) Naphthalene	15.13	128	140231	20.279	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	59056	20.723	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN056668.D

Acq: 11 Jul 2019 16:32

Instrument :

MSVOA_N

ClientSampleId :

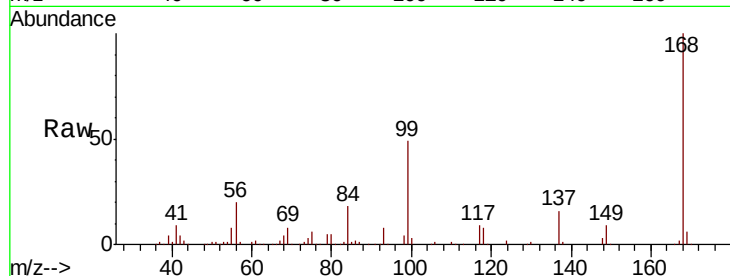
VN0712WBS01

Tot Ion:168 Resp: 307651

Ion Ratio Lower Upper

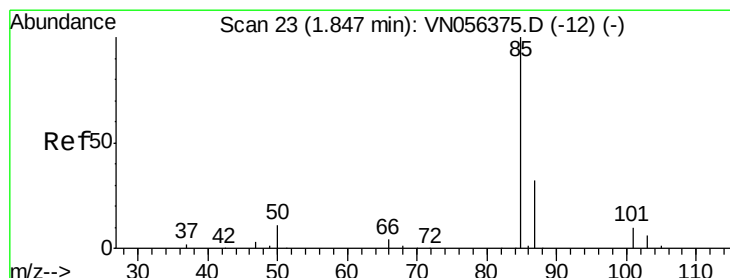
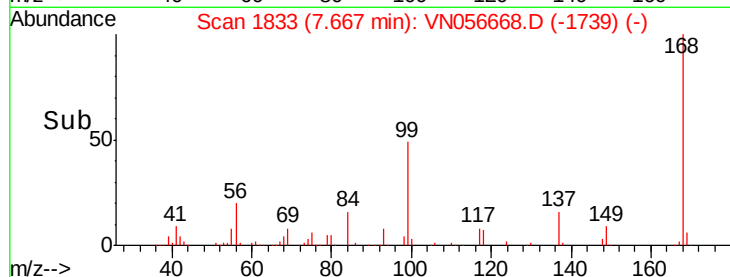
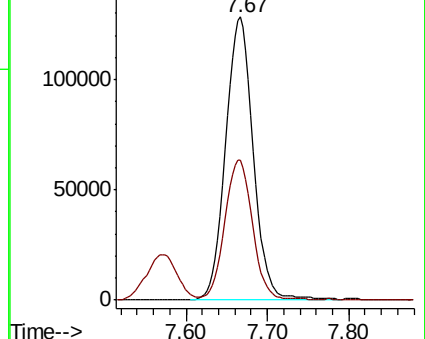
168 100

99 49.0 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 16.145 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056668.D

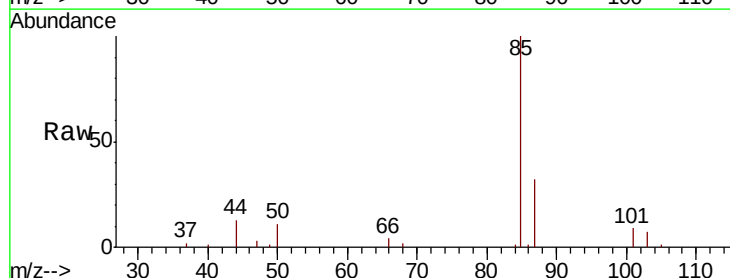
Acq: 11 Jul 2019 16:32

Tgt Ion: 85 Resp: 42059

Ion Ratio Lower Upper

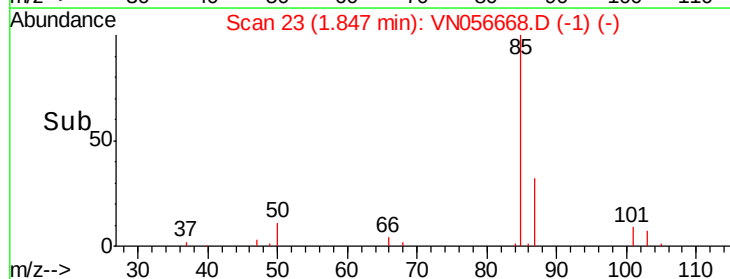
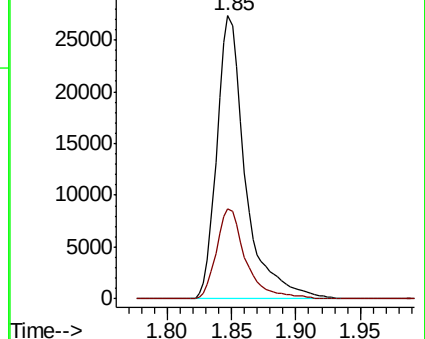
85 100

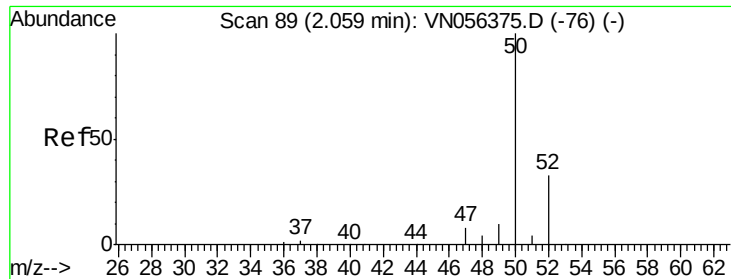
87 31.8 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0





#3

Chloromethane

Concen: 15.901 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN056668.D

Acq: 11 Jul 2019 16:32

Instrument :

MSVOA_N

ClientSampleId :

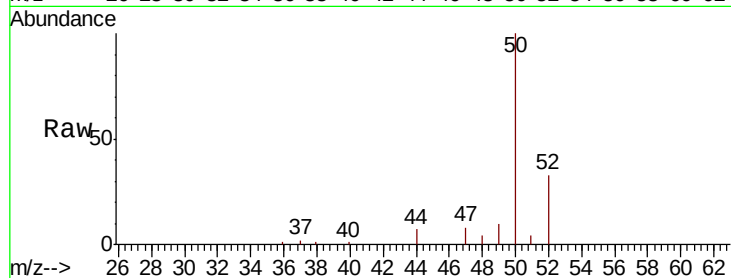
VN0712WBS01

Tot Ion: 50 Resp: 56401

Ion Ratio Lower Upper

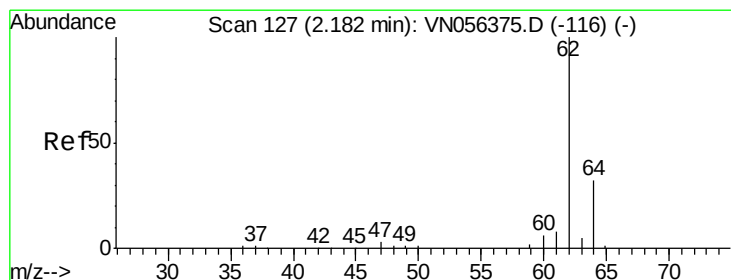
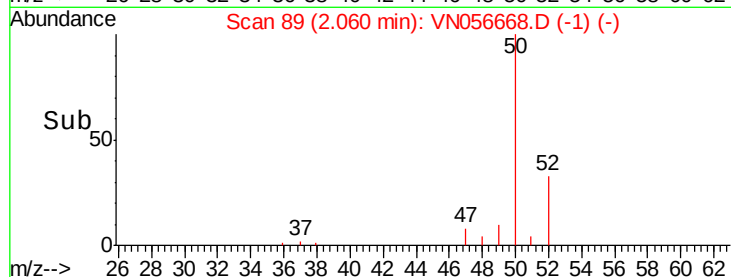
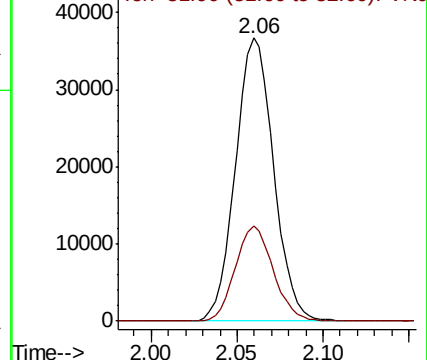
50 100

52 33.5 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 17.205 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN056668.D

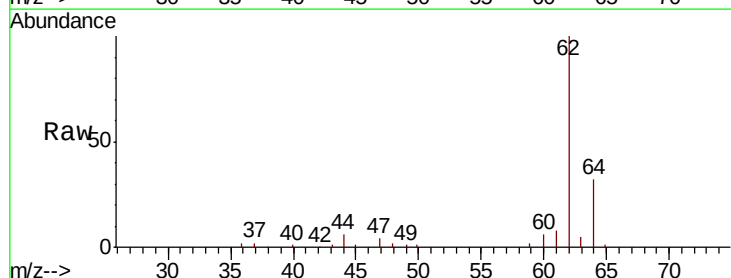
Acq: 11 Jul 2019 16:32

Tgt Ion: 62 Resp: 58942

Ion Ratio Lower Upper

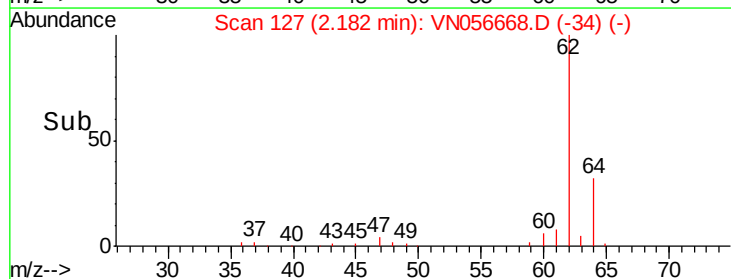
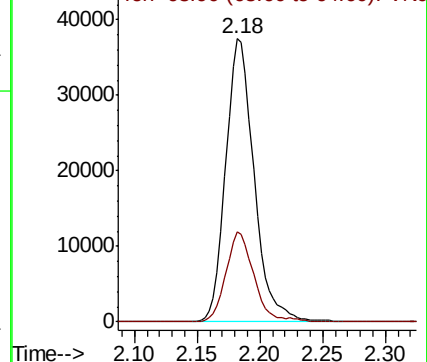
62 100

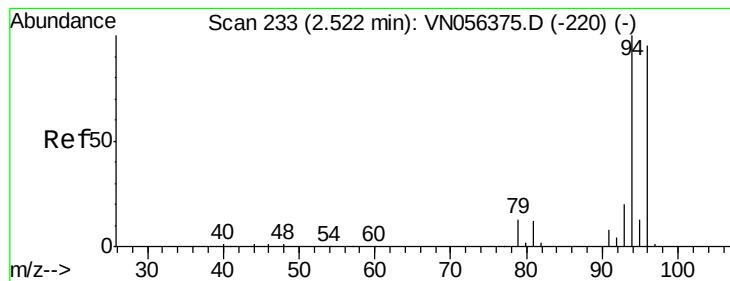
64 31.6 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 16.830 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.03 min

Lab File: VN056668.D

Acq: 11 Jul 2019 16:32

Instrument :

MSVOA_N

ClientSampleId :

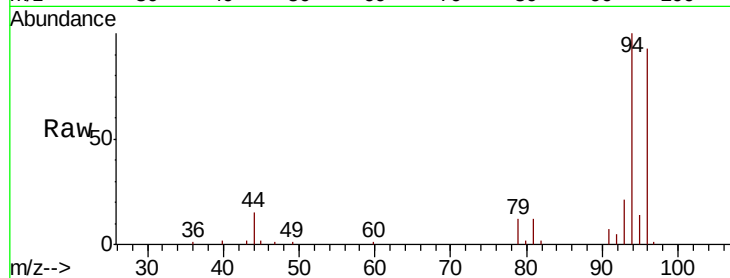
VN0712WBS01

Tot Ion: 94 Resp: 33802

Ion Ratio Lower Upper

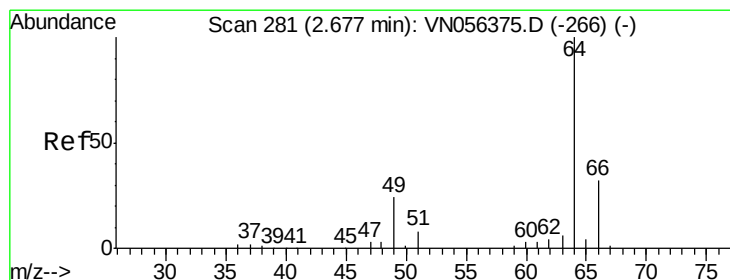
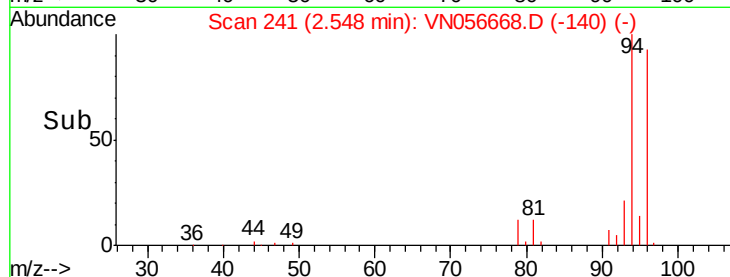
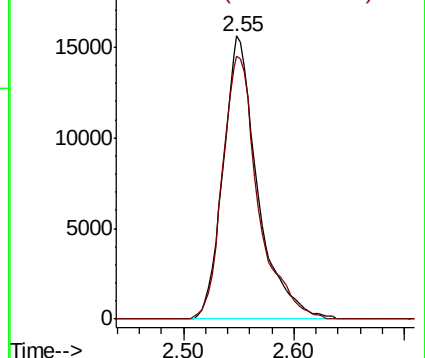
94 100

96 92.7 76.0 114.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 17.804 ug/l

RT: 2.69 min Scan# 286

Delta R.T. 0.02 min

Lab File: VN056668.D

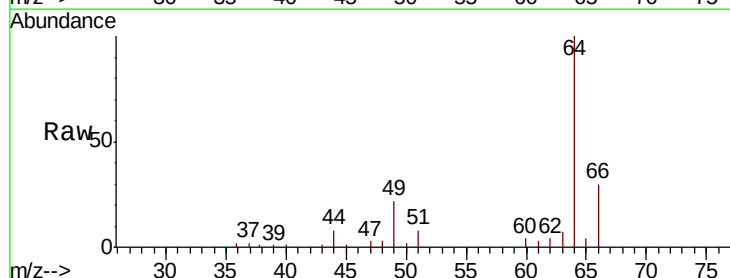
Acq: 11 Jul 2019 16:32

Tgt Ion: 64 Resp: 35322

Ion Ratio Lower Upper

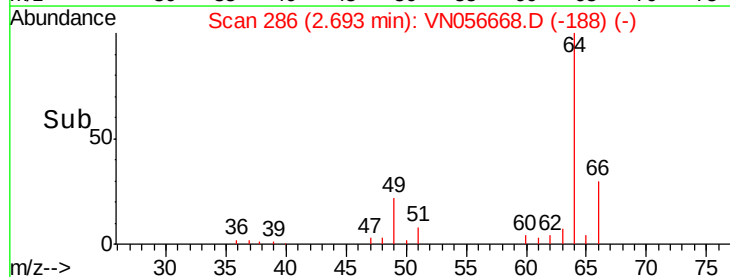
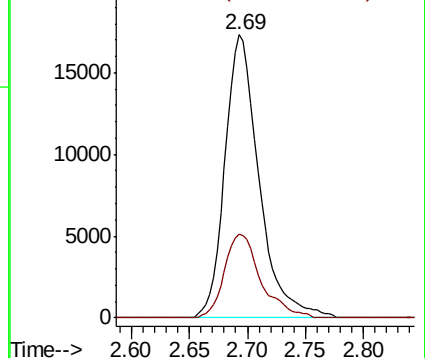
64 100

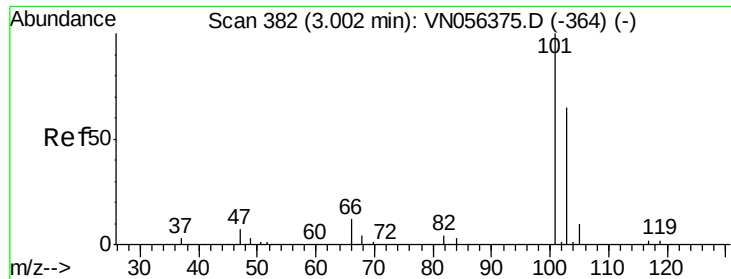
66 29.6 25.8 38.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



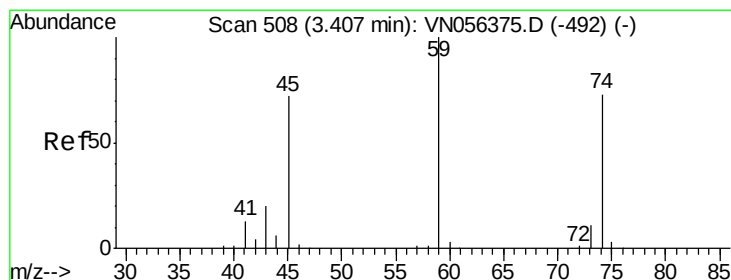
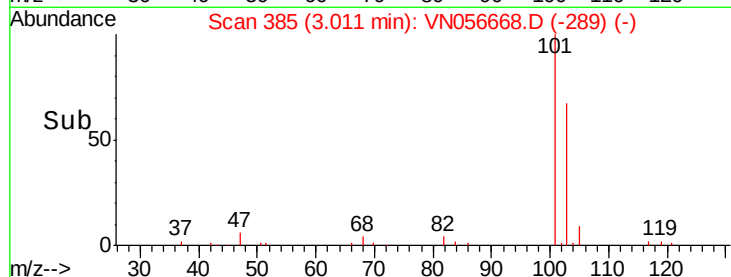
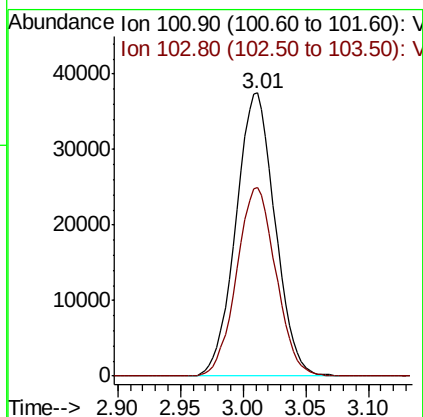
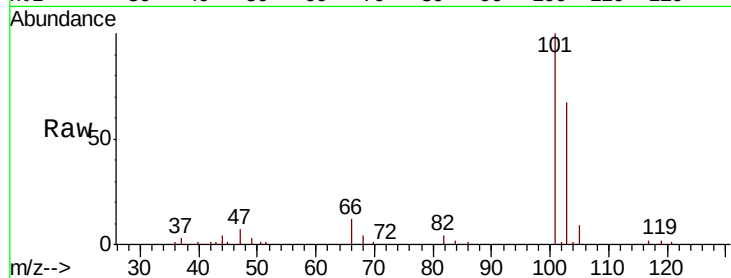


#7

Trichlorofluoromethane
Concen: 18.383 ug/l
RT: 3.01 min Scan# 385
Delta R.T. 0.01 min
Lab File: VN056668.D
Acq: 11 Jul 2019 16:32

Instrument :
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ClientSampleId :
VN0712WBS01

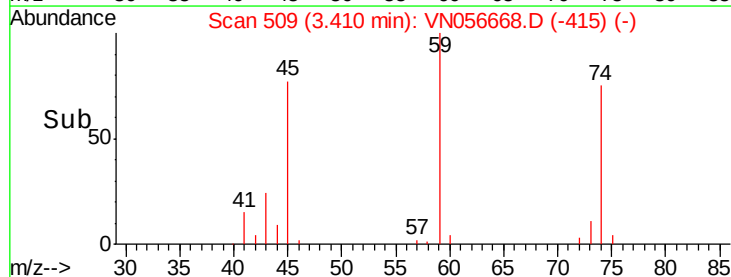
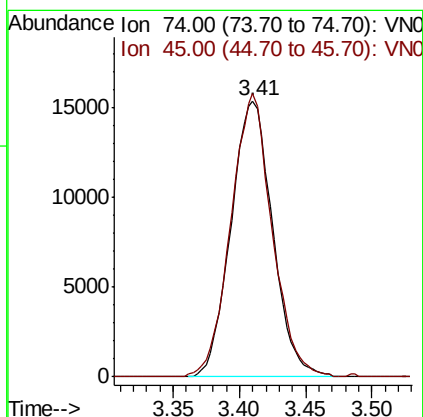
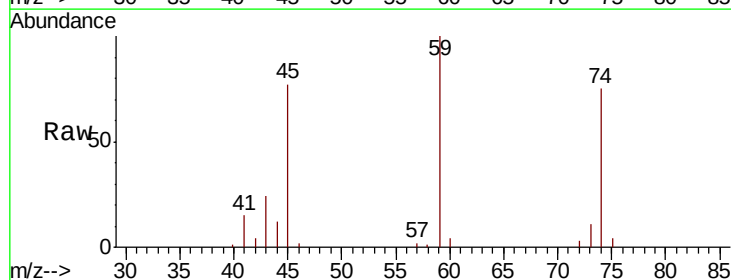
Tot Ion:101 Resp: 81464
Ion Ratio Lower Upper
101 100
103 66.6 51.7 77.5

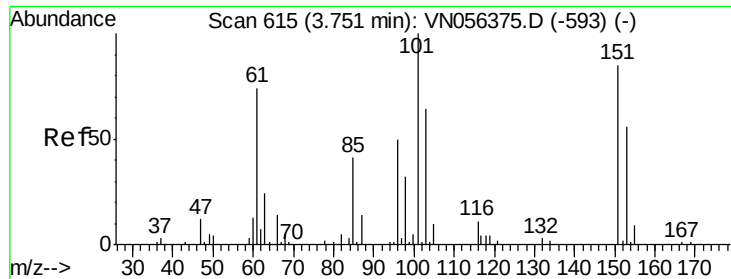


#8

Diethyl Ether
Concen: 17.894 ug/l
RT: 3.41 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN056668.D
Acq: 11 Jul 2019 16:32

Tgt Ion: 74 Resp: 33560
Ion Ratio Lower Upper
74 100
45 101.7 48.9 146.6

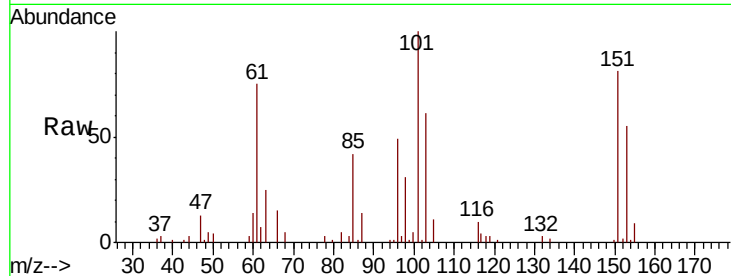




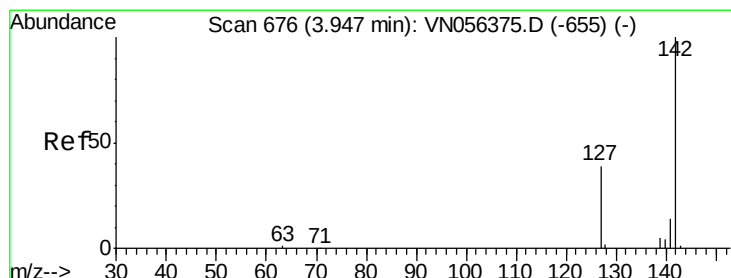
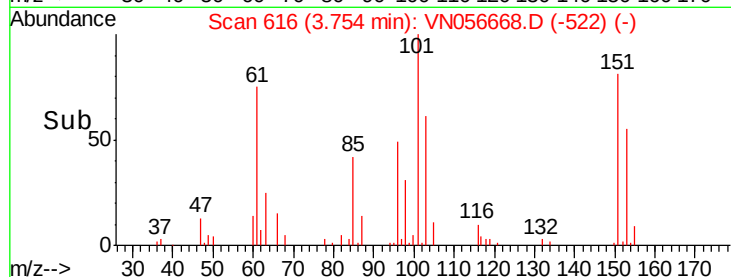
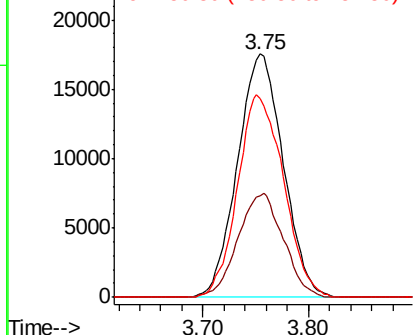
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 18.722 ug/l
 RT: 3.75 min Scan# 616
 Delta R.T. 0.00 min
 Lab File: VN056668.D
 Acq: 11 Jul 2019 16:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0712WBS01

Tot Ion:101 Resp: 52911
 Ion Ratio Lower Upper
 101 100
 85 42.3 32.7 49.1
 151 83.4 66.8 100.2

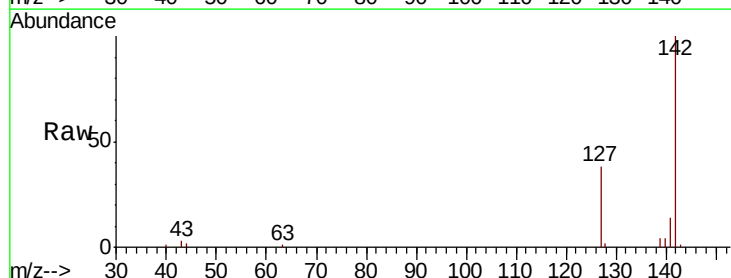


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): V
 Ion 150.80 (150.50 to 151.50): V

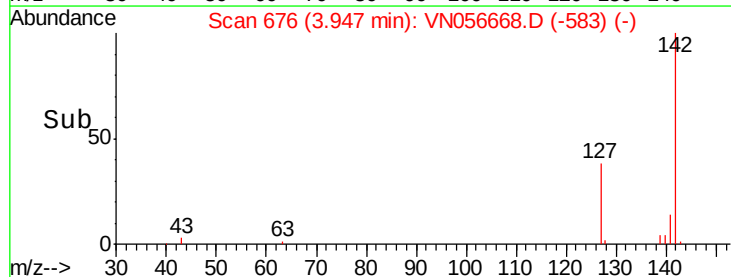
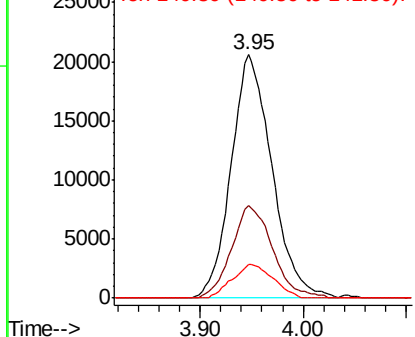


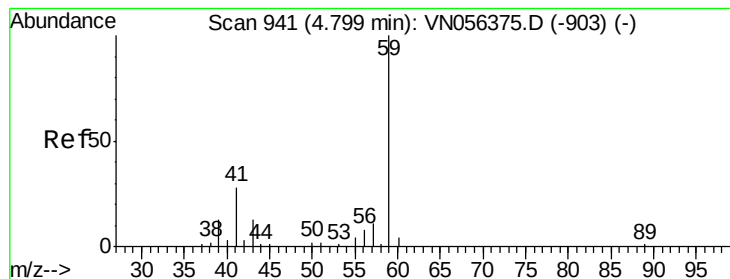
#10
 Methyl Iodide
 Concen: 14.847 ug/l
 RT: 3.95 min Scan# 676
 Delta R.T. 0.00 min
 Lab File: VN056668.D
 Acq: 11 Jul 2019 16:32

Tgt Ion:142 Resp: 56709
 Ion Ratio Lower Upper
 142 100
 127 38.1 30.6 46.0
 141 13.8 11.4 17.2



Abundance Ion 141.80 (141.50 to 142.50): V
 Ion 126.80 (126.50 to 127.50): V
 Ion 140.80 (140.50 to 141.50): V



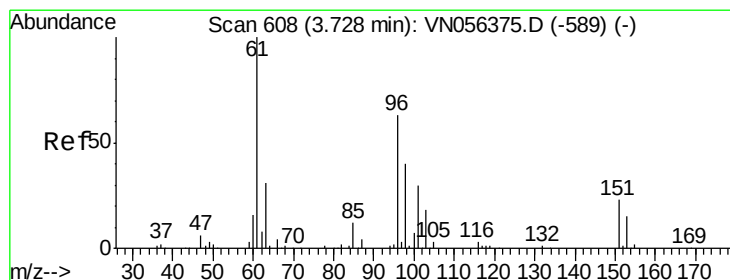
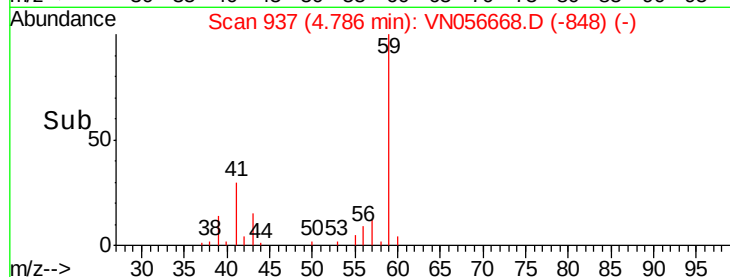
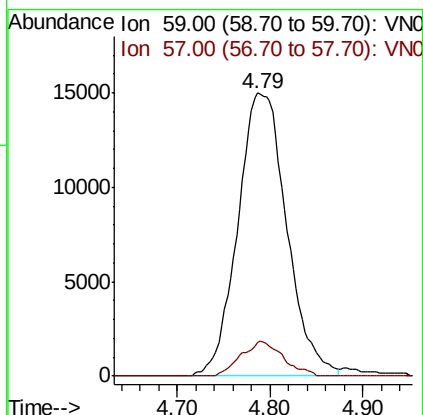
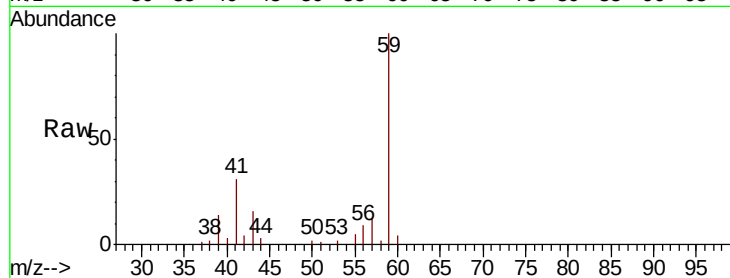


#11

Tert butyl alcohol
 Concen: 95.550 ug/l
 RT: 4.79 min Scan# 937
 Delta R.T. -0.01 min
 Lab File: VN056668.D
 Acq: 11 Jul 2019 16:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0712WBS01

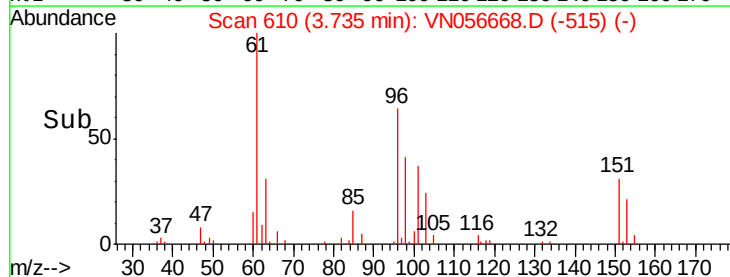
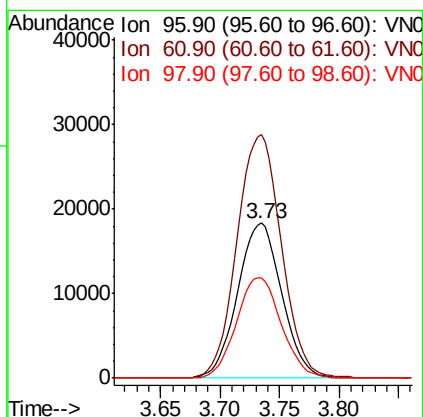
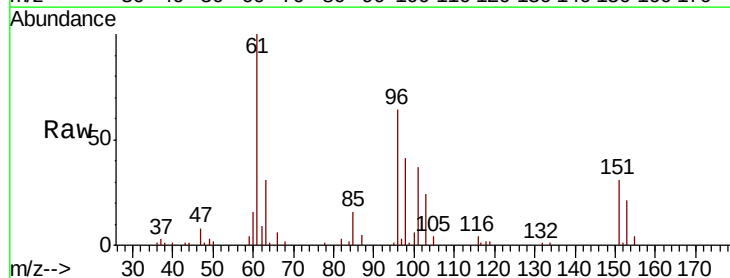
Tot Ion: 59 Resp: 54873
 Ion Ratio Lower Upper
 59 100
 57 10.6 7.6 11.4

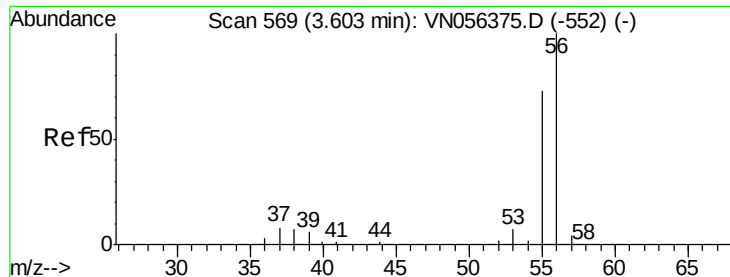


#12

1,1-Dichloroethene
 Concen: 17.325 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. 0.01 min
 Lab File: VN056668.D
 Acq: 11 Jul 2019 16:32

Tgt Ion: 96 Resp: 47086
 Ion Ratio Lower Upper
 96 100
 61 157.0 126.6 190.0
 98 64.8 51.1 76.7





#13

Acrolein

Concen: 31.697 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.01 min

Lab File: VN056668.D

Acq: 11 Jul 2019 16:32

Instrument :

MSVOA_N

ClientSampleId :

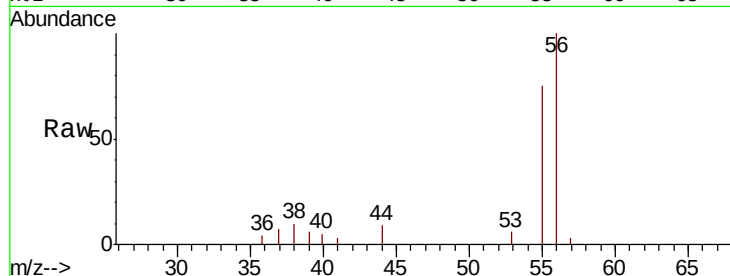
VN0712WBS01

Tot Ion: 56 Resp: 15342

Ion Ratio Lower Upper

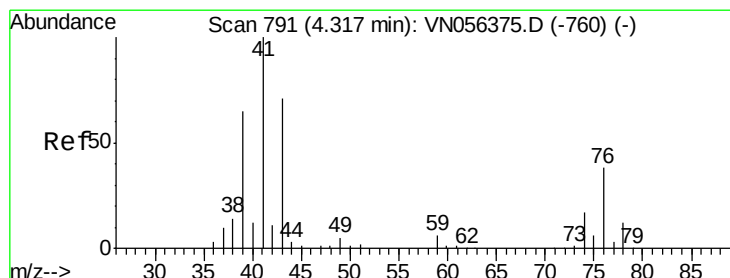
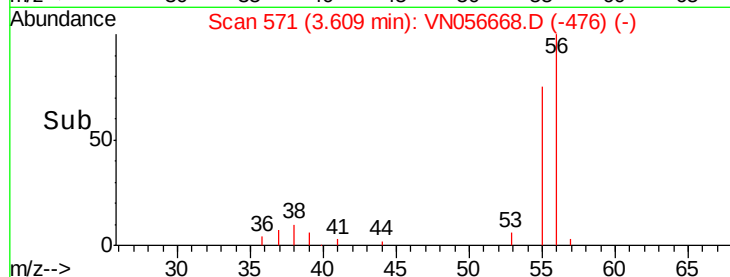
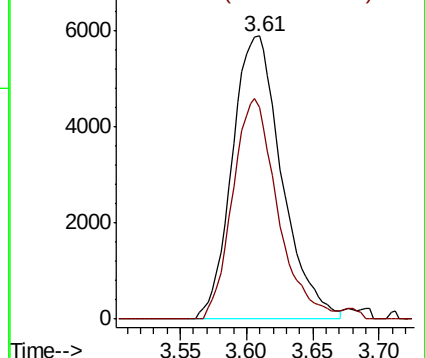
56 100

55 70.5 57.1 85.7



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 19.194 ug/l

RT: 4.32 min Scan# 792

Delta R.T. 0.00 min

Lab File: VN056668.D

Acq: 11 Jul 2019 16:32

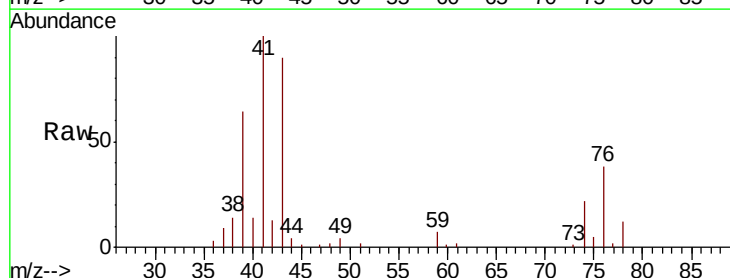
Tgt Ion: 41 Resp: 86833

Ion Ratio Lower Upper

41 100

39 59.9 48.6 73.0

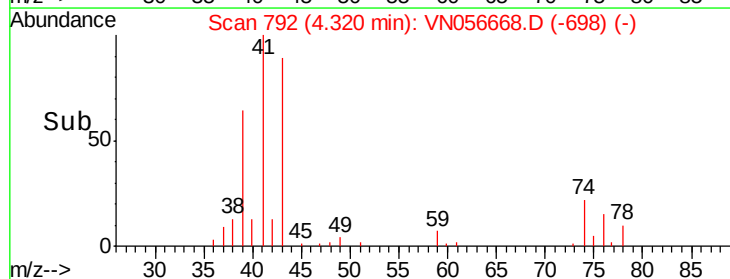
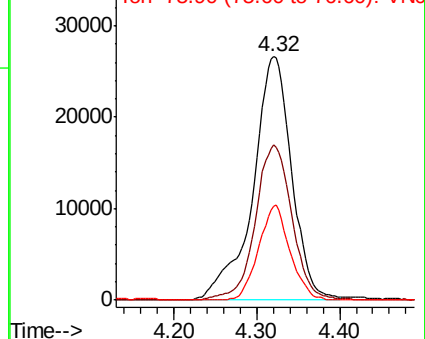
76 31.5 26.6 40.0

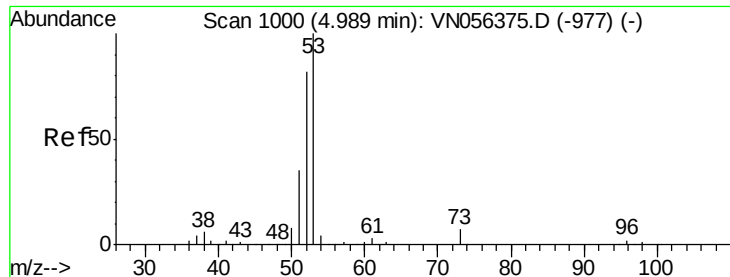


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0



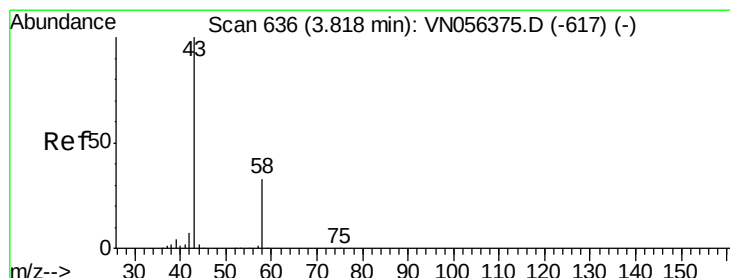
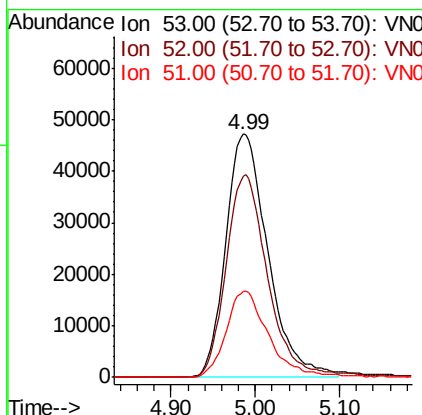
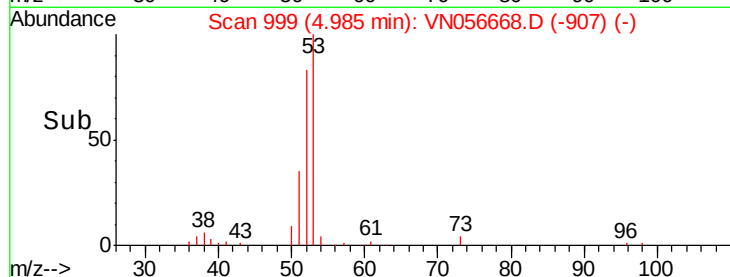
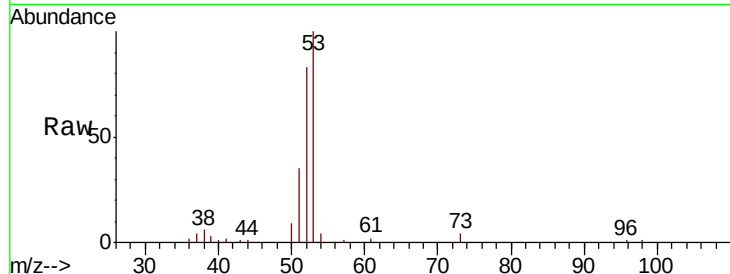


#15
 Acrylonitrile
 Concen: 103.429 ug/l
 RT: 4.99 min Scan# 999
 Delta R.T. -0.00 min
 Lab File: VN056668.D
 Acq: 11 Jul 2019 16:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0712WBS01

Tot Ion: 53 Resp: 164323

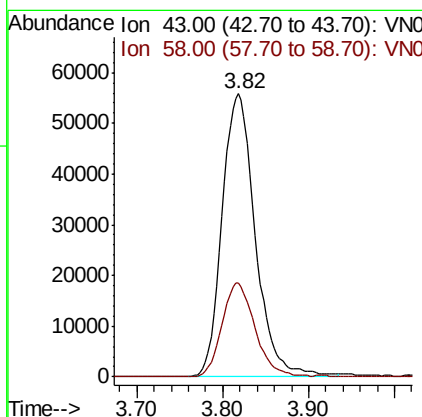
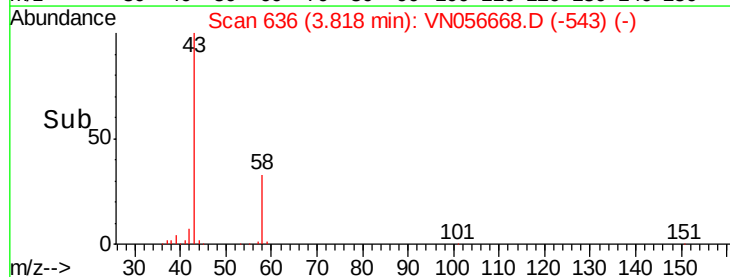
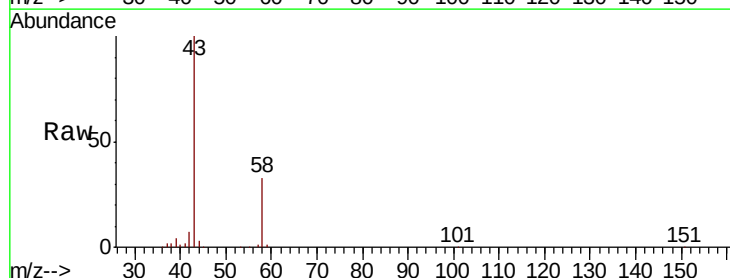
Ion	Ratio	Lower	Upper
53	100		
52	81.7	65.9	98.9
51	35.7	28.3	42.5

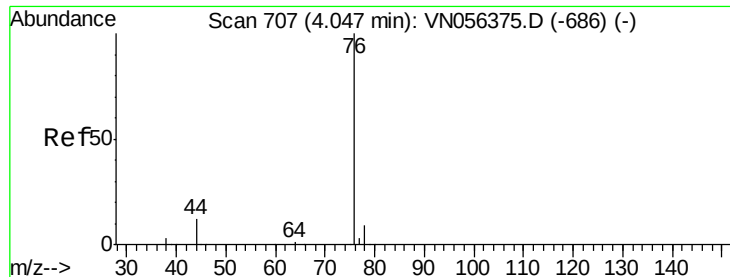


#16
 Acetone
 Concen: 86.751 ug/l
 RT: 3.82 min Scan# 636
 Delta R.T. 0.00 min
 Lab File: VN056668.D
 Acq: 11 Jul 2019 16:32

Tgt Ion: 43 Resp: 148199

Ion	Ratio	Lower	Upper
43	100		
58	33.3	26.4	39.6

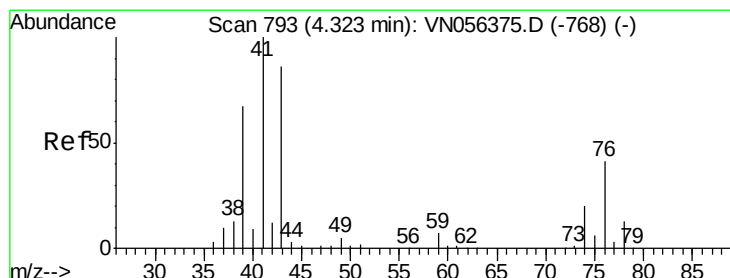
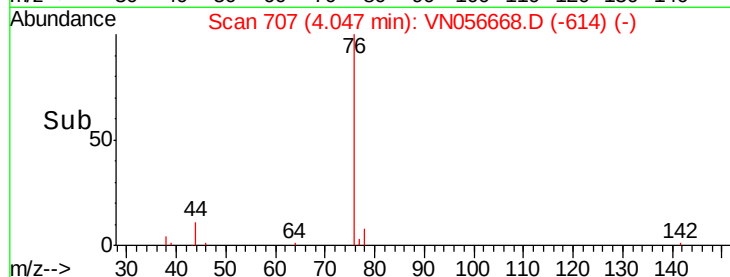
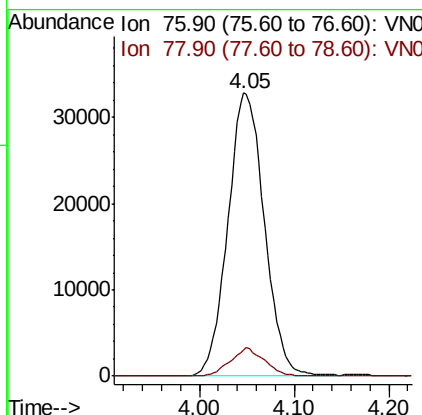
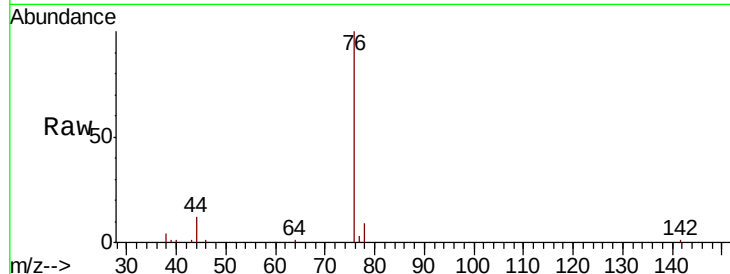




#17
Carbon Disulfide
Concen: 14.239 ug/l
RT: 4.05 min Scan# 707
Delta R.T. 0.00 min
Lab File: VN056668.D
Acq: 11 Jul 2019 16:32

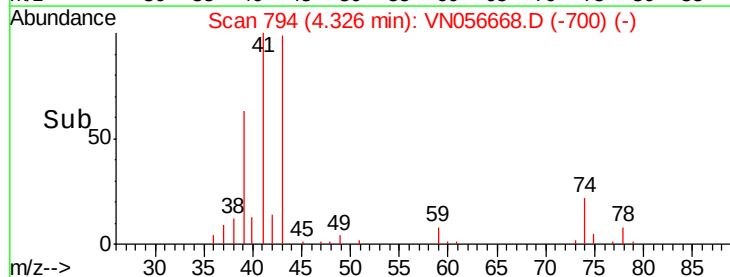
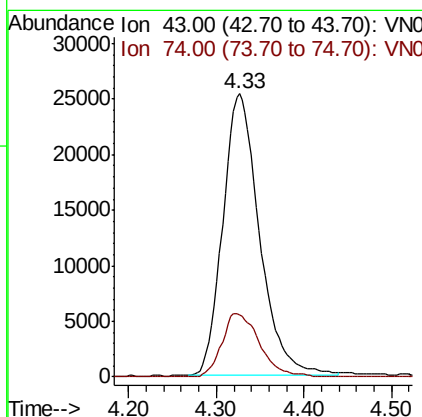
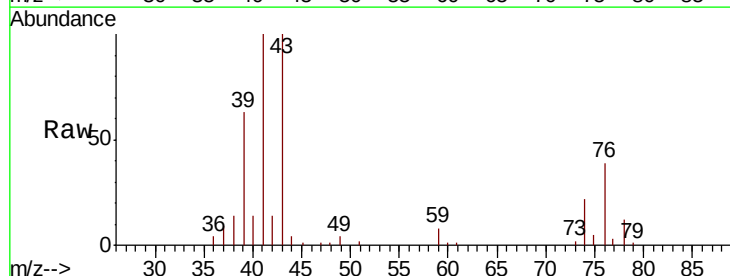
Instrument :
MSVOA_N
ClientSampleId :
VN0712WBS01

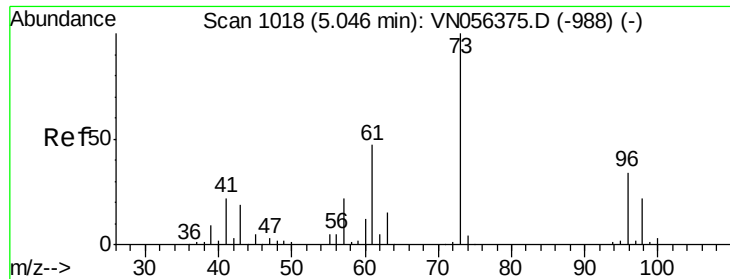
Tot Ion: 76 Resp: 88017
Ion Ratio Lower Upper
76 100
78 9.4 7.1 10.7



#18
Methyl Acetate
Concen: 21.421 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN056668.D
Acq: 11 Jul 2019 16:32

Tgt Ion: 43 Resp: 73331
Ion Ratio Lower Upper
43 100
74 23.2 19.2 28.8

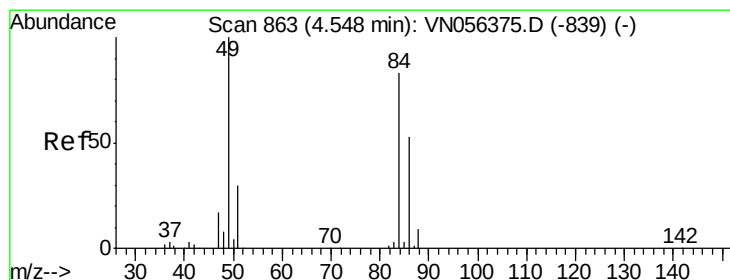
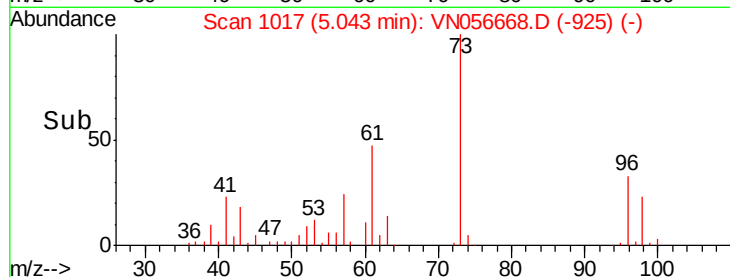
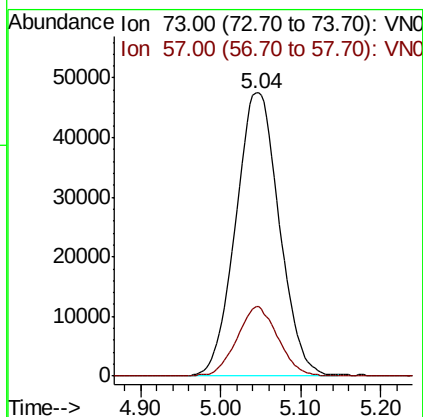
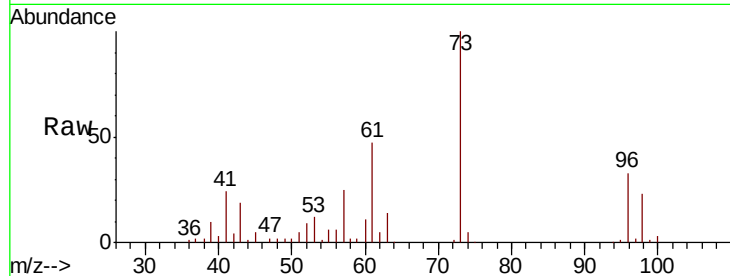




#19
Methvl tert-butyl Ether
Concen: 19.602 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN056668.D
Acq: 11 Jul 2019 16:32

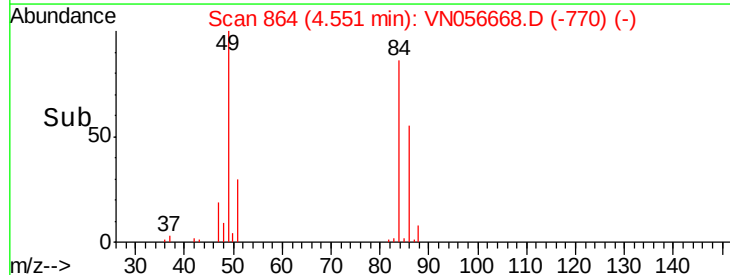
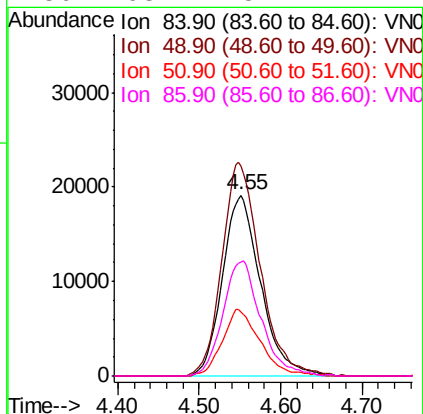
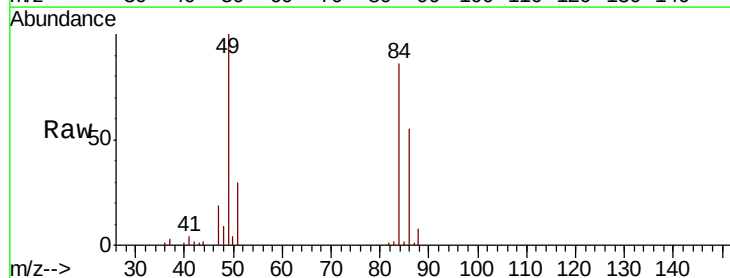
Instrument :
MSVOA_N
ClientSampleId :
VN0712WBS01

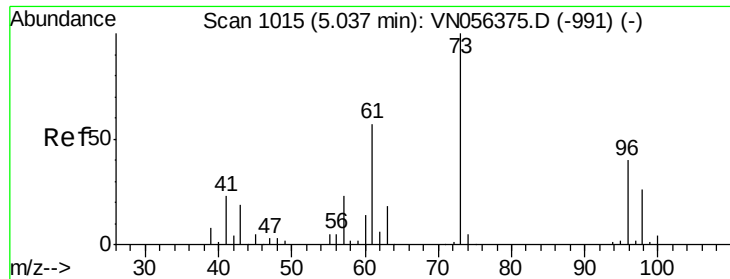
Tot Ion: 73 Resp: 176275
Ion Ratio Lower Upper
73 100
57 24.6 17.9 26.9



#20
Methylene Chloride
Concen: 18.952 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN056668.D
Acq: 11 Jul 2019 16:32

Tgt Ion: 84 Resp: 62815
Ion Ratio Lower Upper
84 100
49 116.1 96.4 144.6
51 35.4 28.6 43.0
86 63.4 51.4 77.2

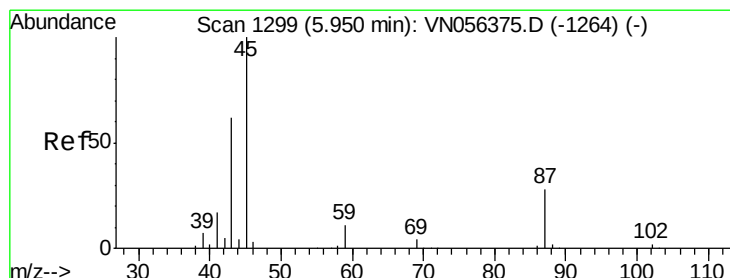
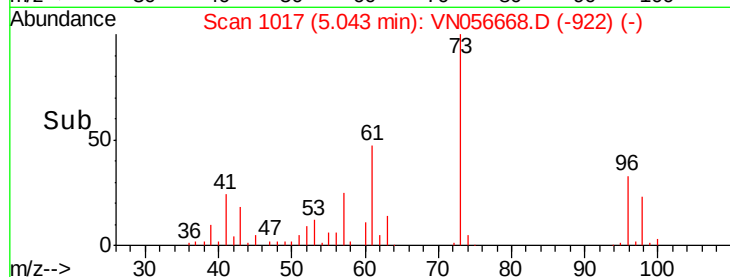
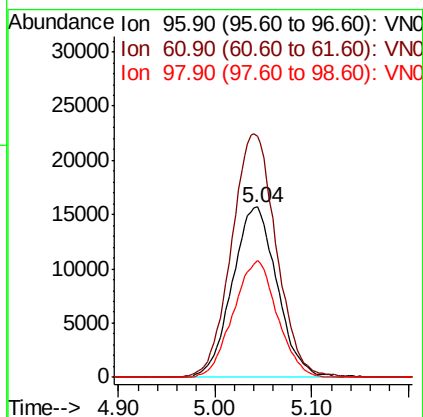
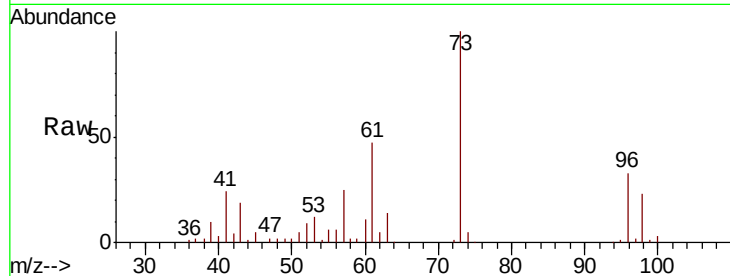




#21
trans-1,2-Dichloroethene
Concen: 17.210 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.01 min
Lab File: VN056668.D
Acq: 11 Jul 2019 16:32

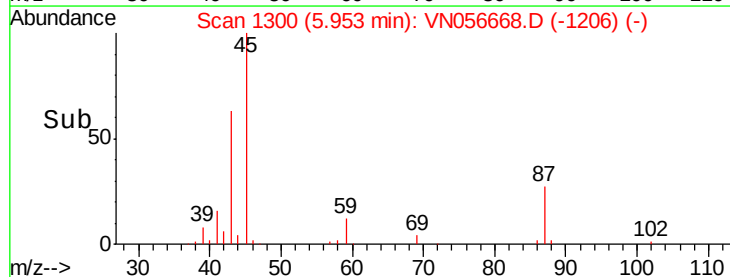
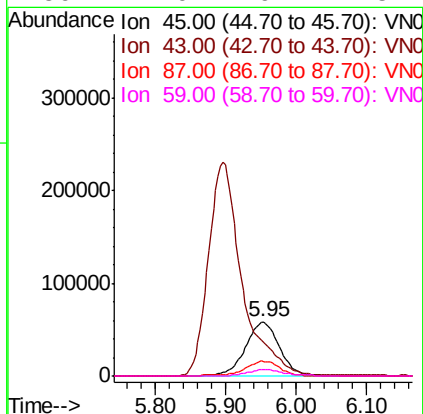
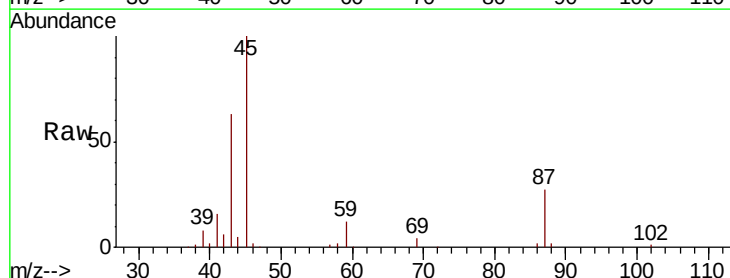
Instrument :
MSVOA_N
ClientSampleId :
VN0712WBS01

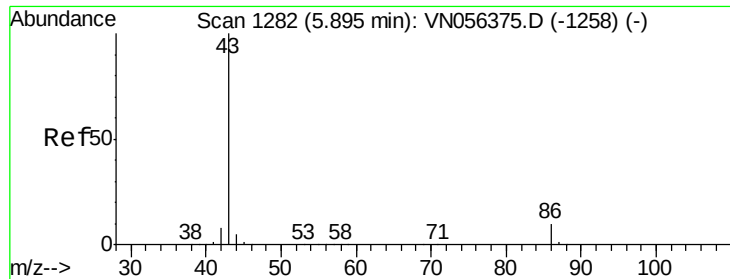
Tot Ion: 96 Resp: 50426
Ion Ratio Lower Upper
96 100
61 140.7 113.0 169.6
98 68.3 52.2 78.2



#22
Diisopropyl ether
Concen: 20.541 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN056668.D
Acq: 11 Jul 2019 16:32

Tgt Ion: 45 Resp: 195167
Ion Ratio Lower Upper
45 100
43 60.5 50.4 75.6
87 27.2 23.0 34.4
59 12.0 9.1 13.7





#23

Vinyl Acetate

Concen: 102.317 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN056668.D

Acq: 11 Jul 2019 16:32

Instrument :

MSVOA_N

ClientSampleId :

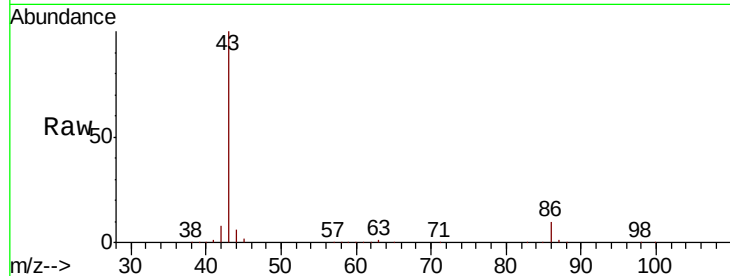
VN0712WBS01

Tot Ion: 43 Resp: 766748

Ion Ratio Lower Upper

43 100

86 10.4 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.90

250000

200000

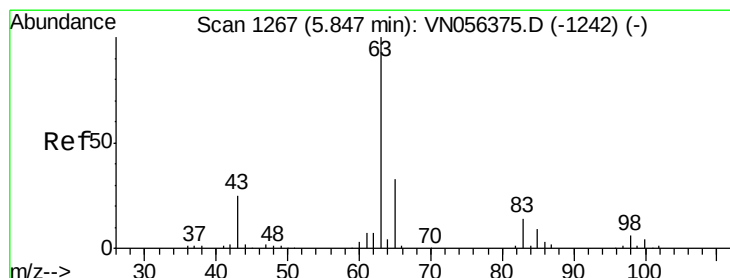
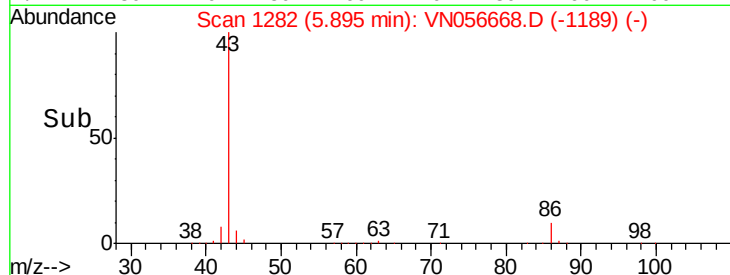
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.670 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN056668.D

Acq: 11 Jul 2019 16:32

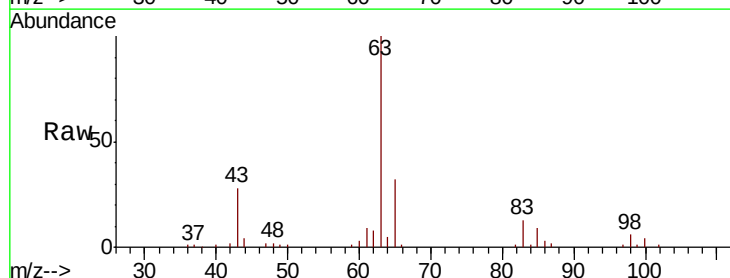
Tgt Ion: 63 Resp: 107279

Ion Ratio Lower Upper

63 100

98 6.2 3.2 9.6

100 3.9 2.1 6.5



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

5.85

40000

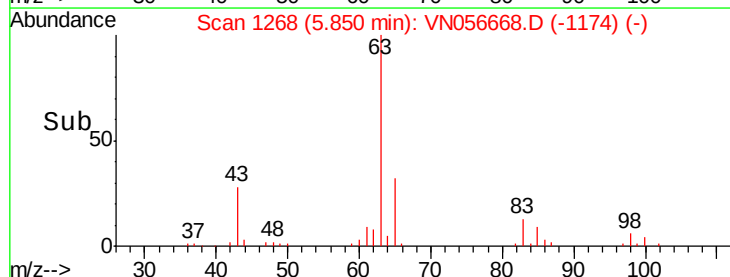
30000

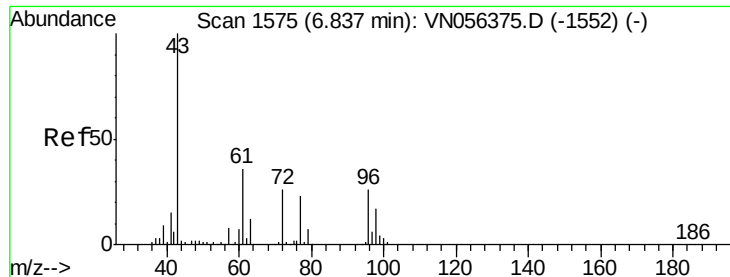
20000

10000

0

Time-->

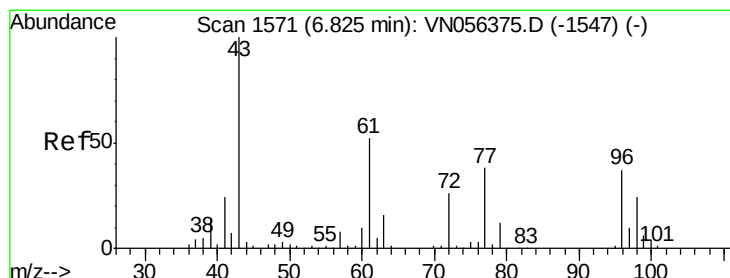
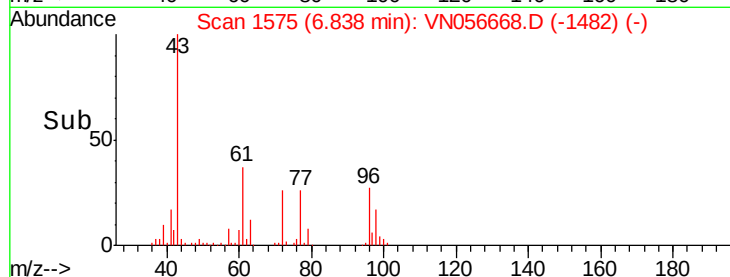
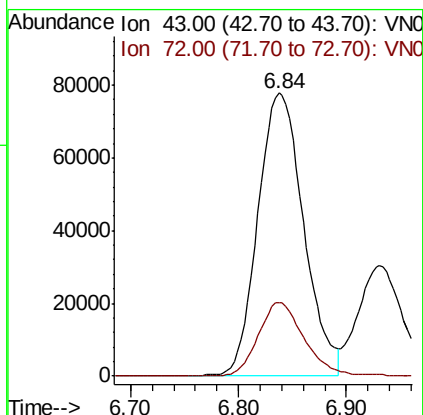
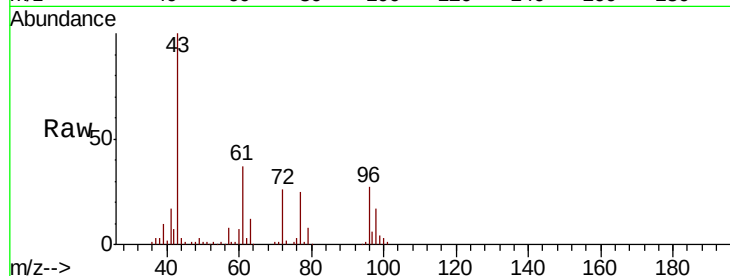




#25
2-Butanone
Concen: 101.328 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN056668.D
Acq: 11 Jul 2019 16:32

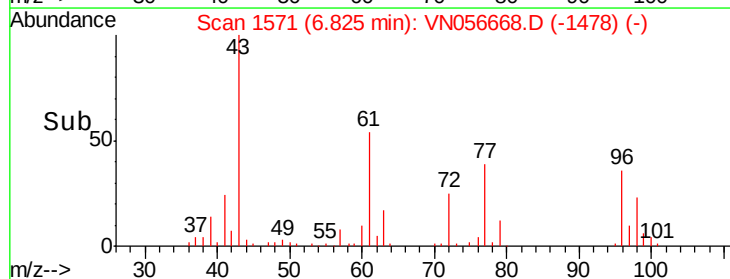
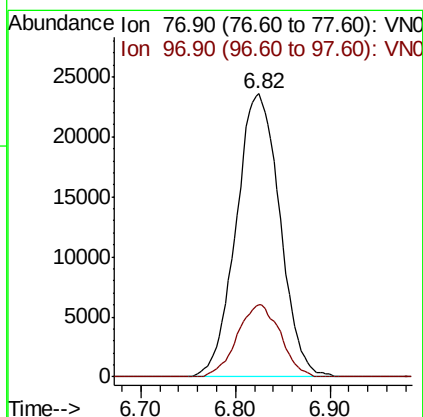
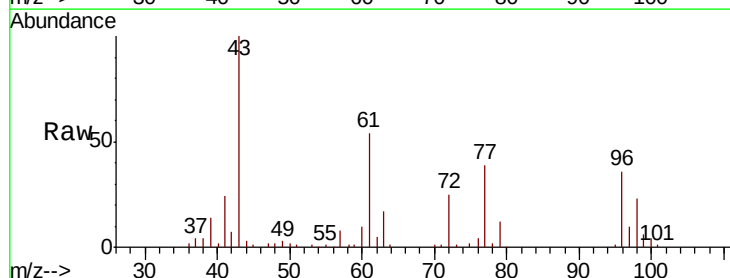
Instrument :
MSVOA_N
ClientSampled :
VN0712WBS01

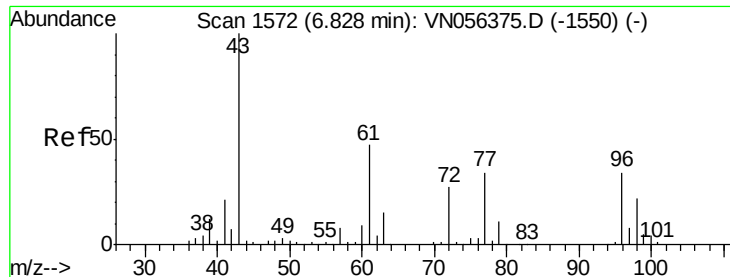
Tot Ion: 43 Resp: 229099
Ion Ratio Lower Upper
43 100
72 26.1 20.6 31.0



#26
2,2-Dichloropropane
Concen: 19.939 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VN056668.D
Acq: 11 Jul 2019 16:32

Tgt Ion: 77 Resp: 75633
Ion Ratio Lower Upper
77 100
97 25.2 11.9 35.5





#27

cis-1,2-Dichloroethene

Concen: 19.370 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN056668.D

Acq: 11 Jul 2019 16:32

Instrument :

MSVOA_N

ClientSampleId :

VN0712WBS01

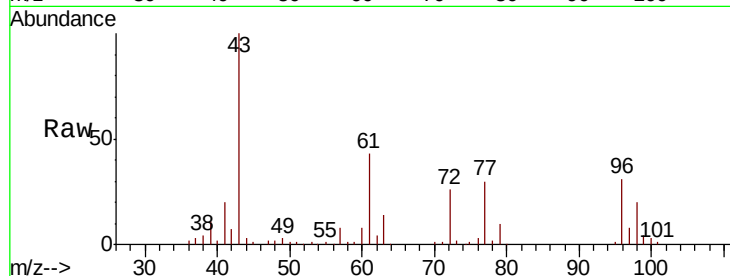
Tot Ion: 96 Resp: 66403

Ion Ratio Lower Upper

96 100

61 142.5 0.0 279.8

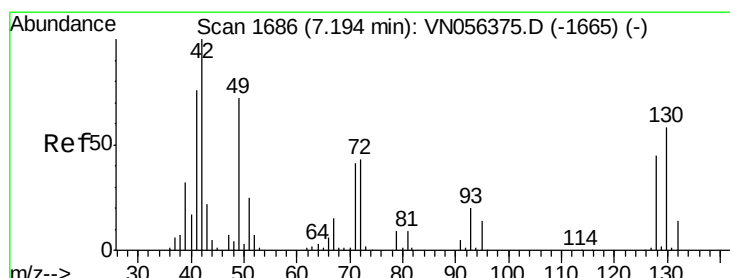
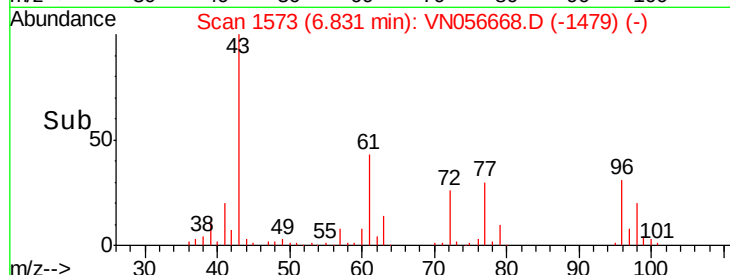
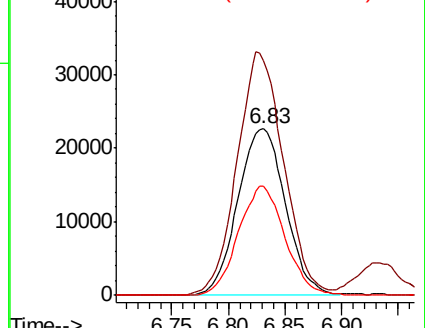
98 63.9 0.0 130.0



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 18.426 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN056668.D

Acq: 11 Jul 2019 16:32

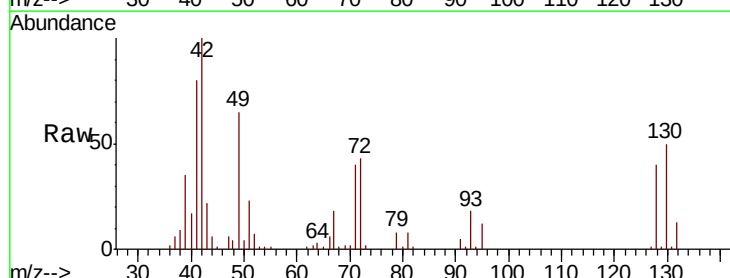
Tgt Ion: 49 Resp: 49706

Ion Ratio Lower Upper

49 100

129 1.5 0.0 4.2

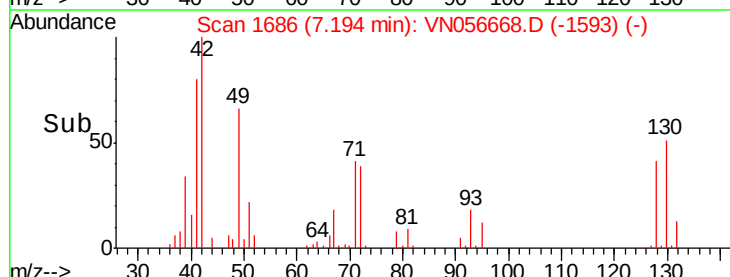
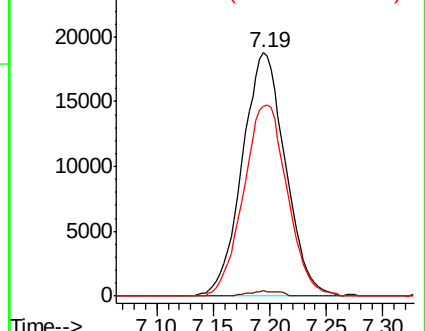
130 79.8 64.9 97.3

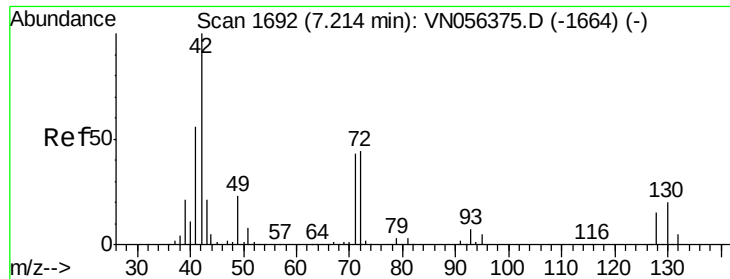


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

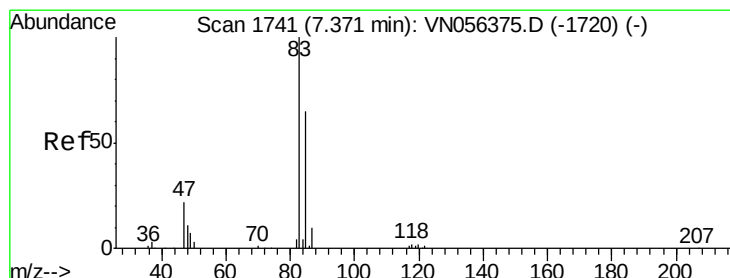
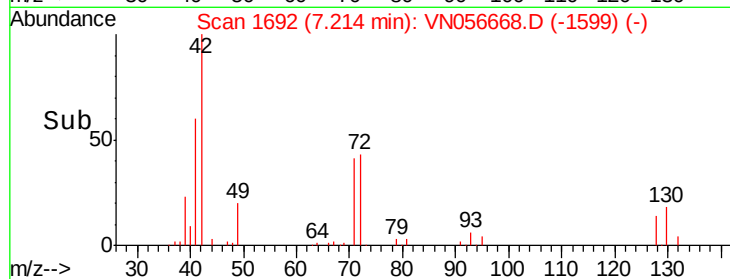
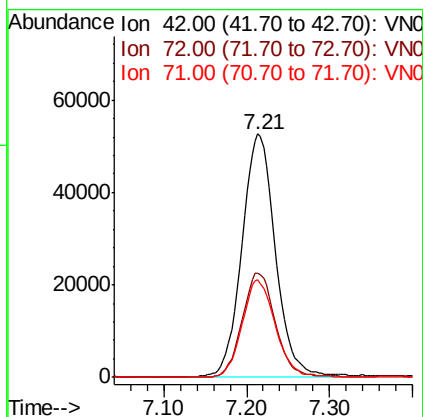
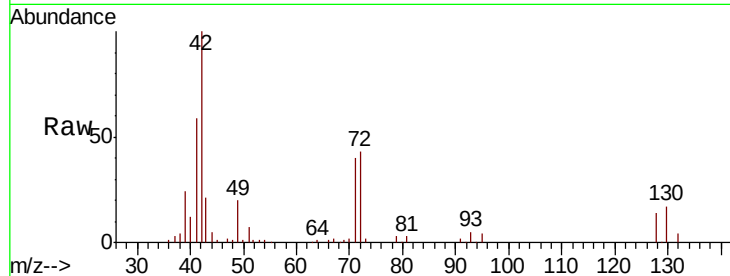




#29
Tetrahydrofuran
Concen: 106.950 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN056668.D
Acq: 11 Jul 2019 16:32

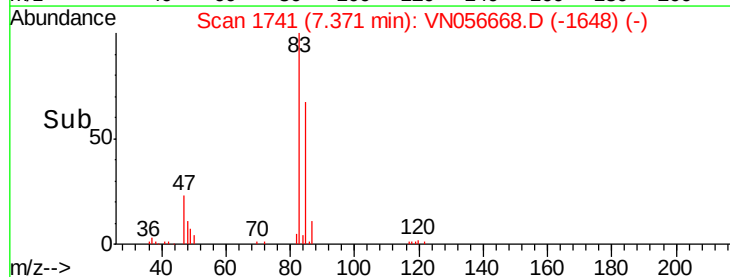
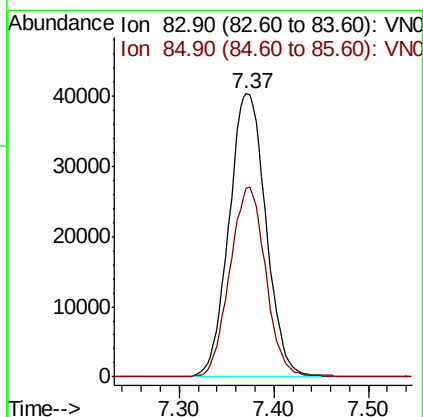
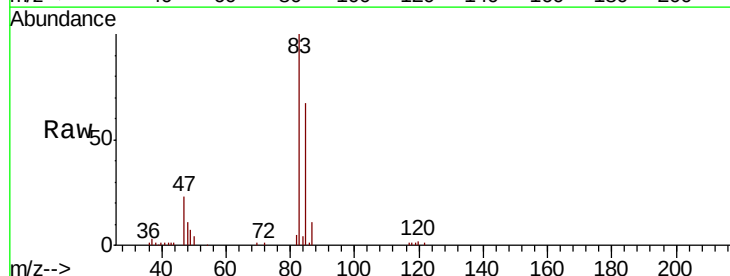
Instrument :
MSVOA_N
ClientSampleId :
VN0712WBS01

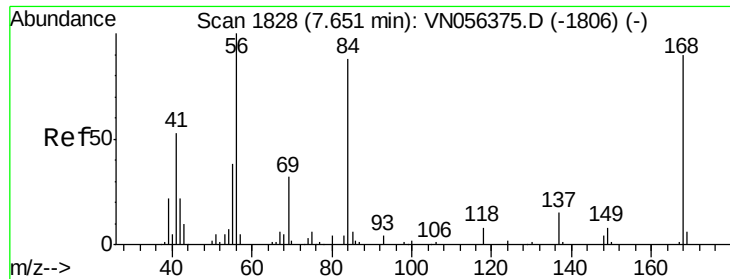
Tot Ion: 42 Resp: 147771
Ion Ratio Lower Upper
42 100
72 42.4 34.7 52.1
71 39.8 33.0 49.6



#30
Chloroform
Concen: 20.318 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056668.D
Acq: 11 Jul 2019 16:32

Tgt Ion: 83 Resp: 109345
Ion Ratio Lower Upper
83 100
85 66.8 52.3 78.5

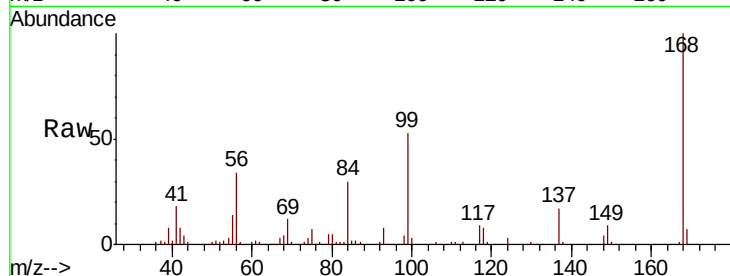




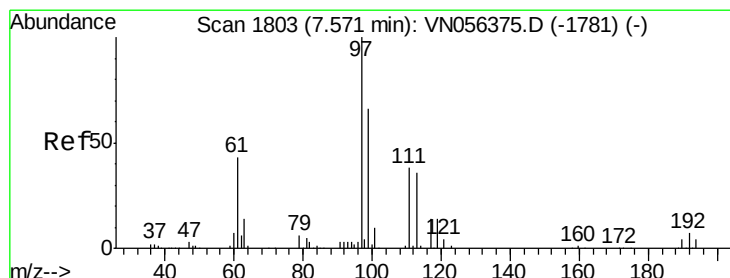
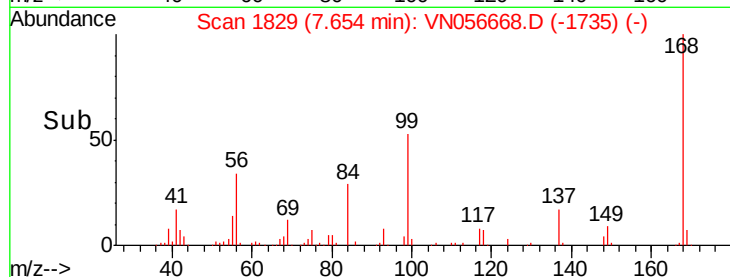
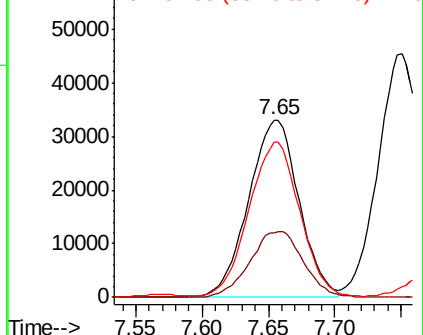
#31
Cyclohexane
Concen: 16.694 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN056668.D
Acq: 11 Jul 2019 16:32

Instrument :
MSVOA_N
ClientSampleId :
VN0712WBS01

Tot Ion: 56 Resp: 87900
Ion Ratio Lower Upper
56 100
69 36.5 25.8 38.6
84 86.8 69.4 104.0

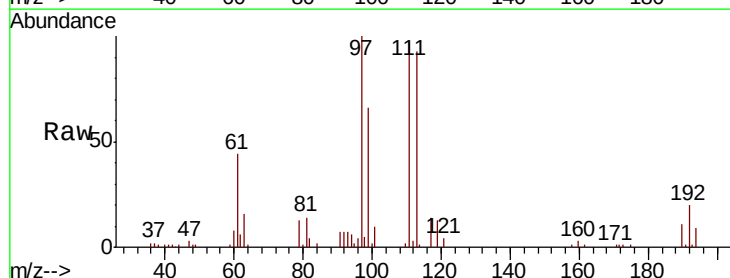


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

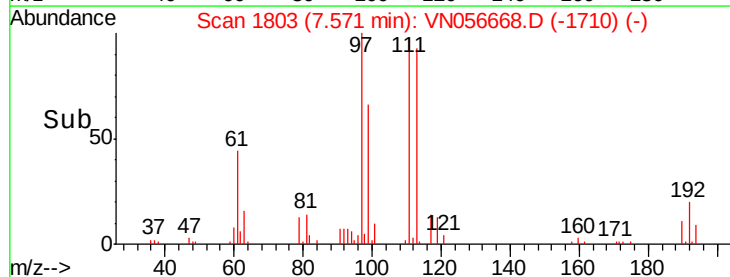
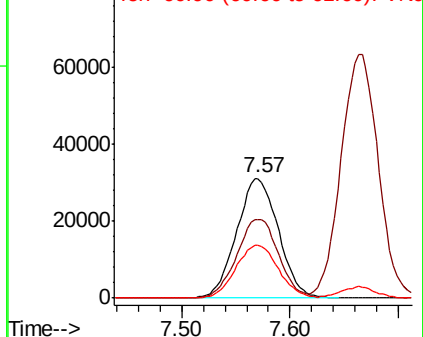


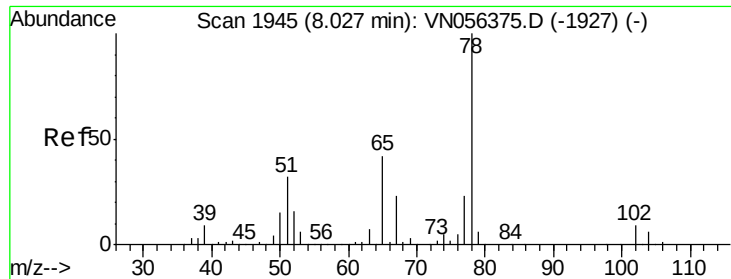
#32
1,1,1-Trichloroethane
Concen: 19.612 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN056668.D
Acq: 11 Jul 2019 16:32

Tgt Ion: 97 Resp: 83660
Ion Ratio Lower Upper
97 100
99 66.2 51.8 77.6
61 45.0 33.9 50.9



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

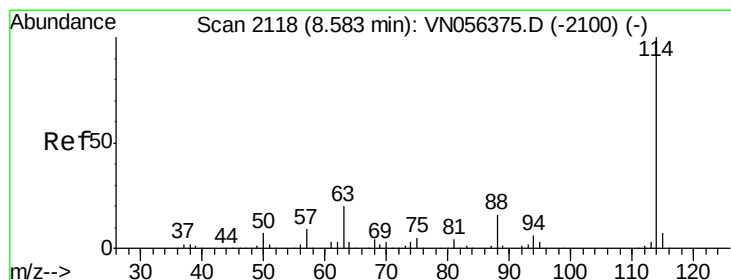
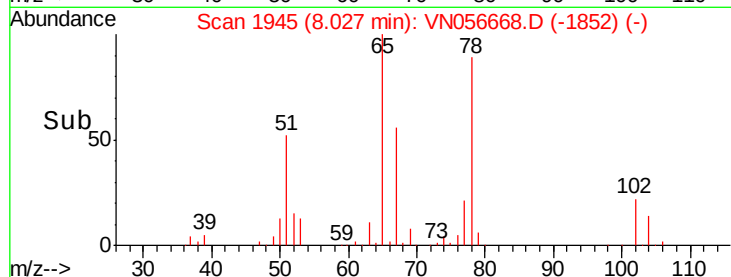
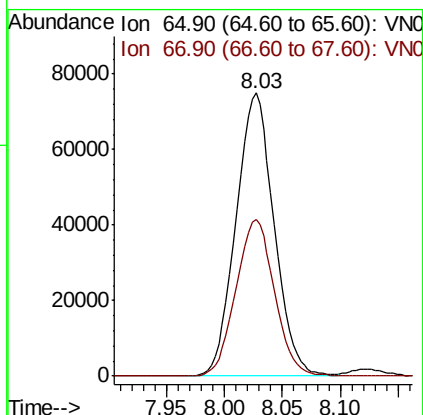
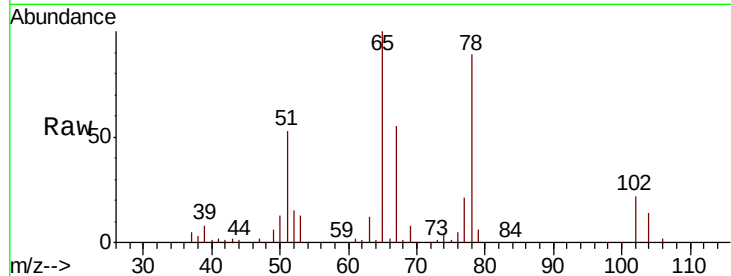




#33
 1,2-Dichloroethane-d4
 Concen: 50.257 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056668.D
 Acq: 11 Jul 2019 16:32

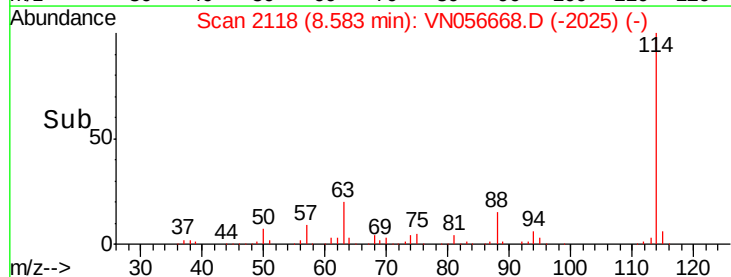
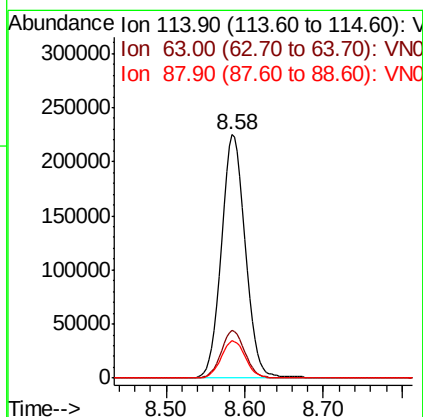
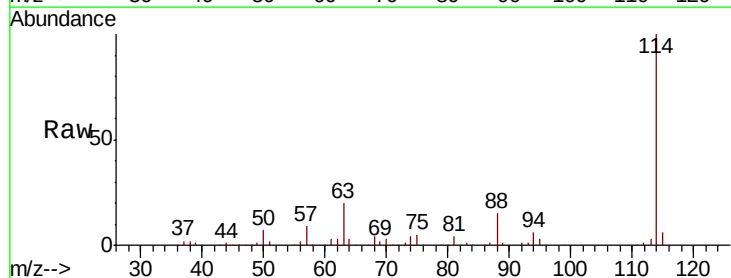
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0712WBS01

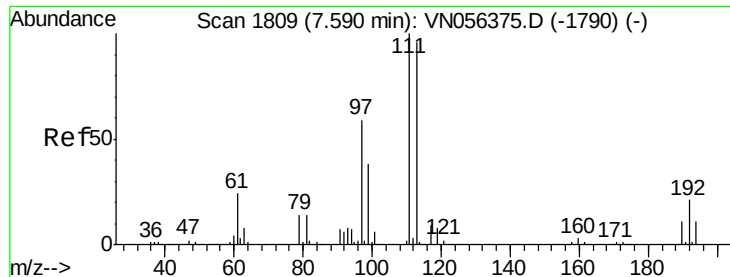
Tot Ion: 65 Resp: 171362
 Ion Ratio Lower Upper
 65 100
 67 56.0 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056668.D
 Acq: 11 Jul 2019 16:32

Tgt Ion: 114 Resp: 471173
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 39.2
 88 15.2 0.0 31.4

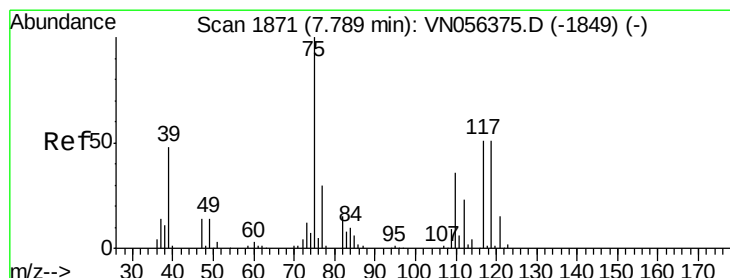
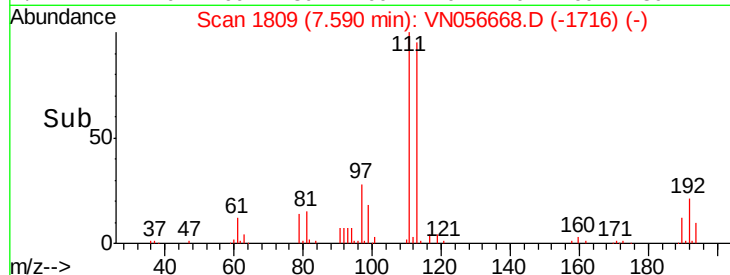
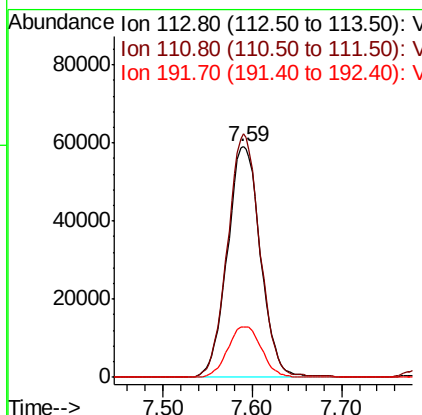
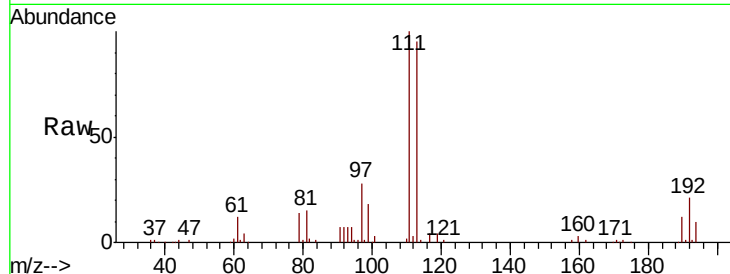




#35
 Dibromofluoromethane
 Concen: 51.605 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056668.D
 Acq: 11 Jul 2019 16:32

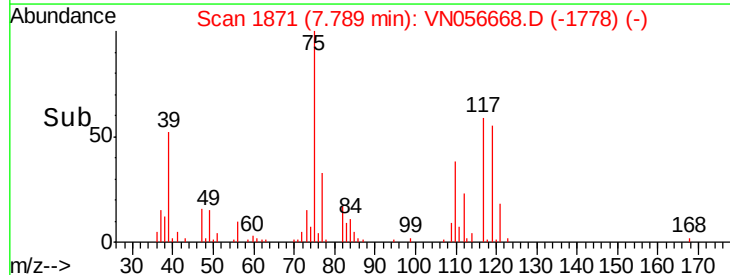
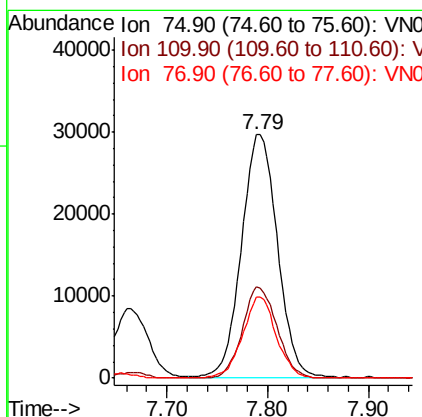
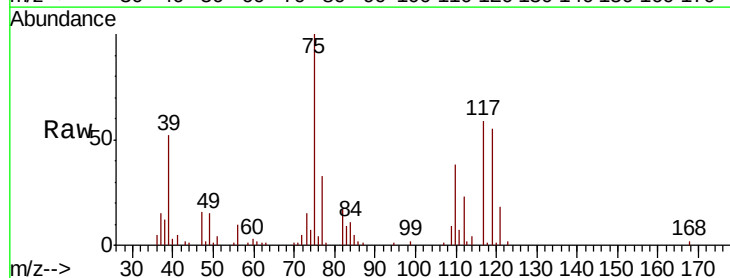
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0712WBS01

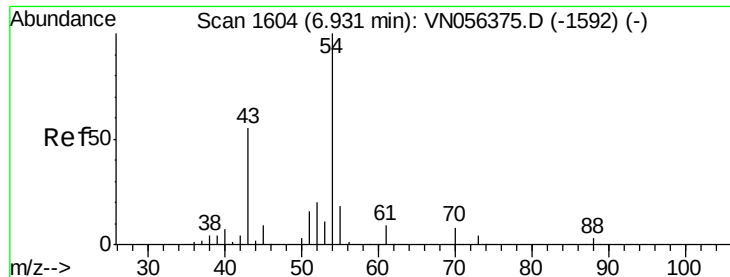
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.3	82.9	124.3
192	22.3	17.7	26.5



#36
 1,1-Dichloropropene
 Concen: 17.791 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN056668.D
 Acq: 11 Jul 2019 16:32

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.6	18.1	54.3
77	31.1	24.6	36.8

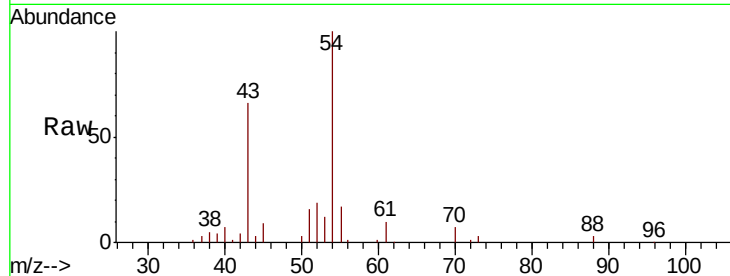




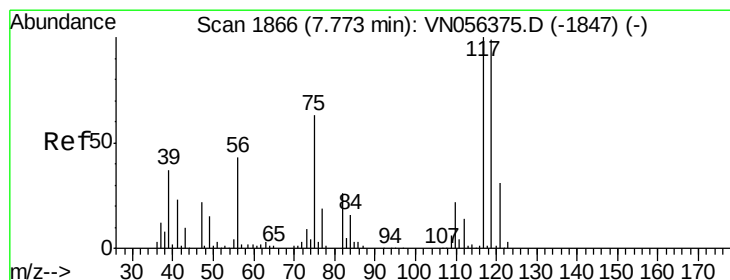
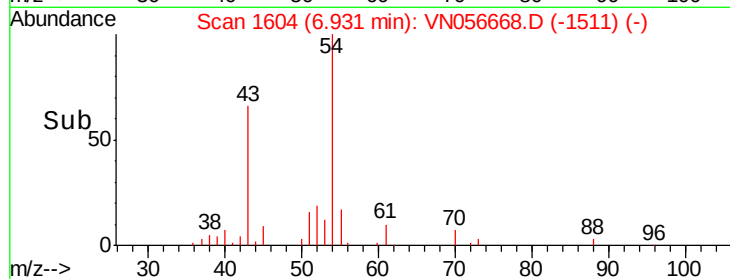
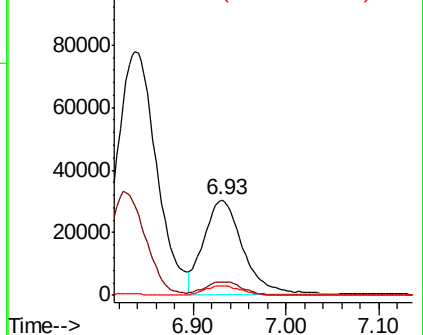
#37
Ethyl Acetate
Concen: 21.750 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN056668.D
Acq: 11 Jul 2019 16:32

Instrument :
MSVOA_N
ClientSampled :
VN0712WBS01

Tot Ion: 43 Resp: 88646
Ion Ratio Lower Upper
43 100
61 13.0 11.1 16.7
70 9.6 8.3 12.5

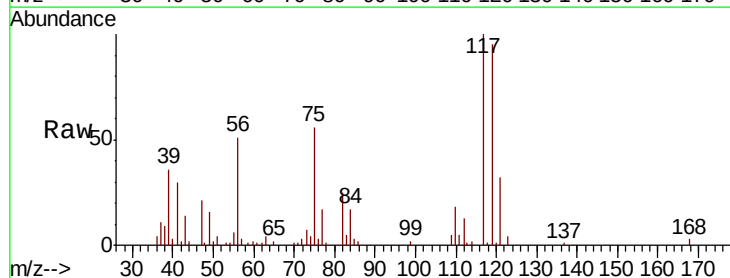


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

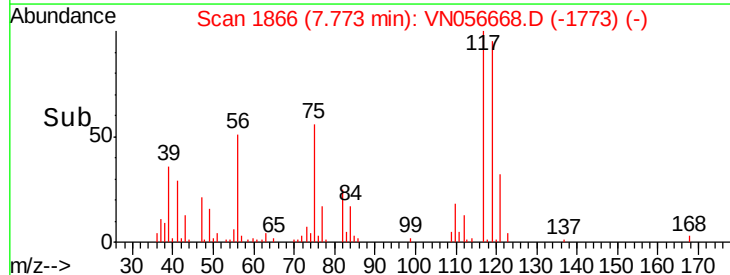
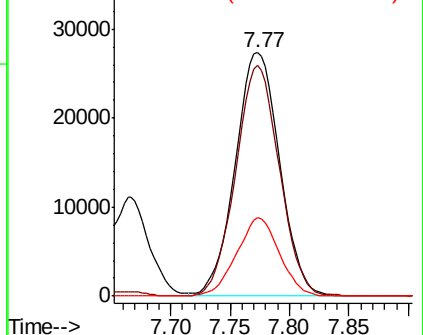


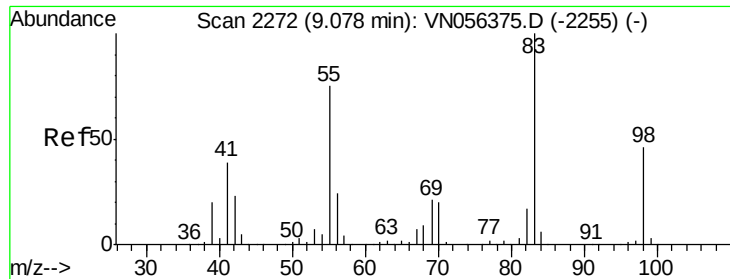
#38
Carbon Tetrachloride
Concen: 19.488 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN056668.D
Acq: 11 Jul 2019 16:32

Tgt Ion: 117 Resp: 70677
Ion Ratio Lower Upper
117 100
119 94.9 79.1 118.7
121 32.3 24.8 37.2



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

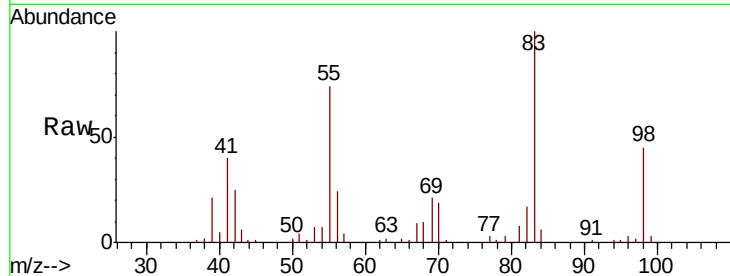




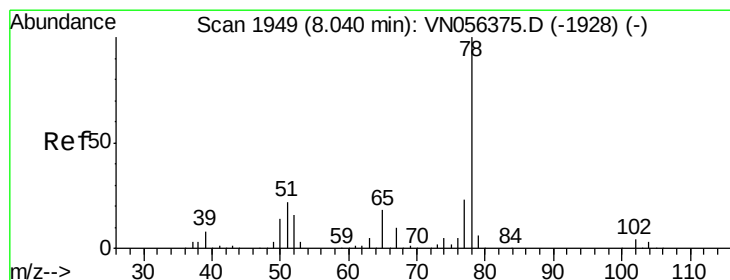
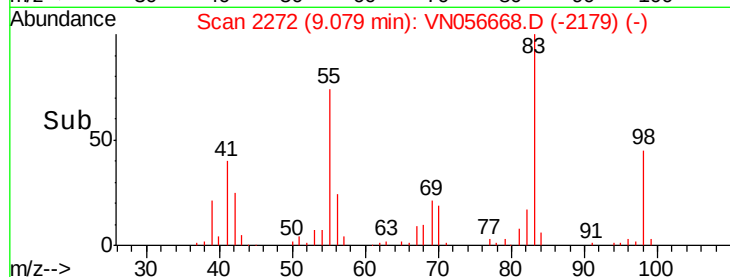
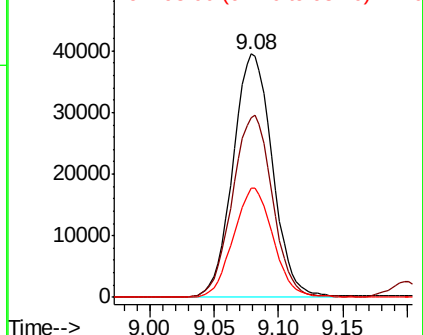
#39
Methylvlcyclohexane
Concen: 16.439 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056668.D
Acq: 11 Jul 2019 16:32

Instrument :
MSVOA_N
ClientSampleId :
VN0712WBS01

Tot Ion: 83 Resp: 84121
Ion Ratio Lower Upper
83 100
55 73.9 60.0 90.0
98 45.0 36.6 54.8

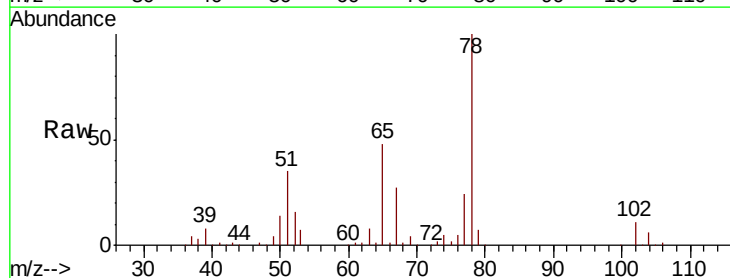


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

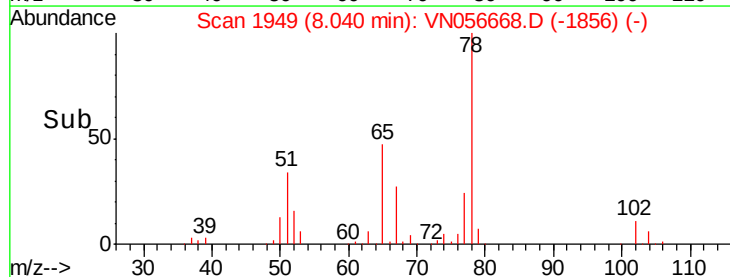
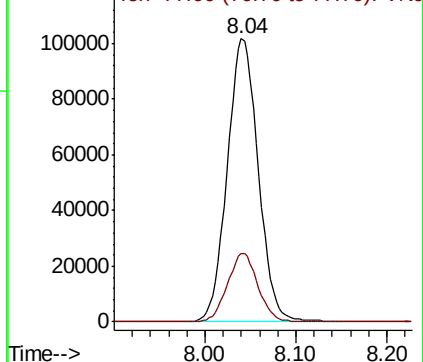


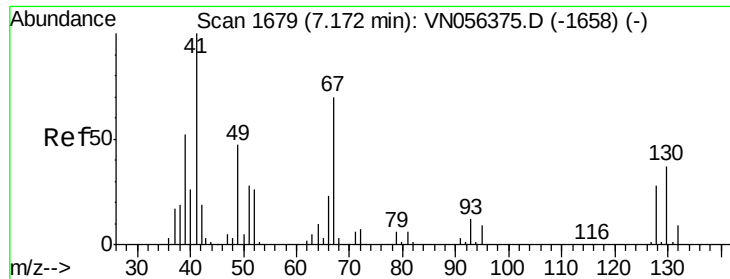
#40
Benzene
Concen: 18.884 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056668.D
Acq: 11 Jul 2019 16:32

Tgt Ion: 78 Resp: 240895
Ion Ratio Lower Upper
78 100
77 24.3 18.3 27.5



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

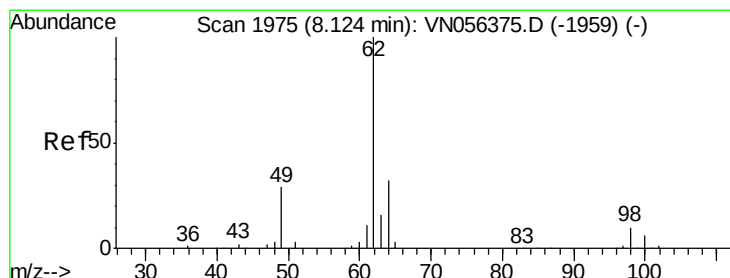
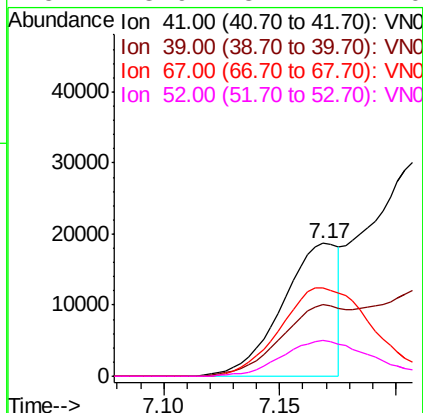
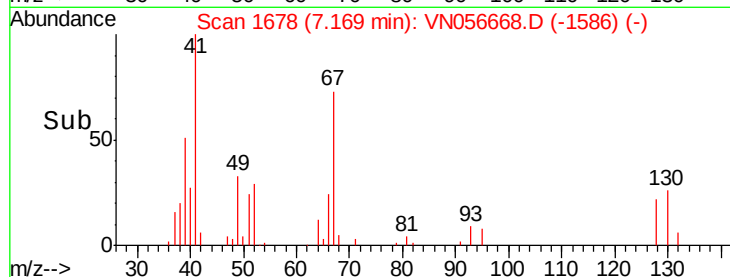
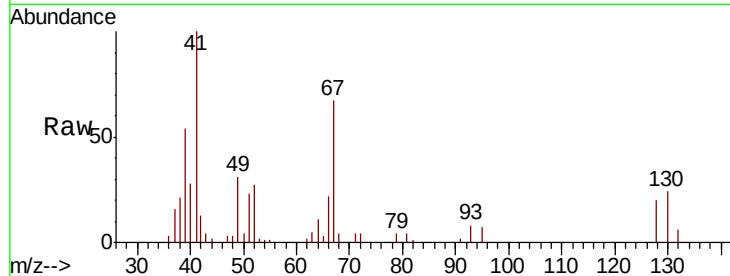




#41
Methacrylonitrile
Concen: 17.510 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.00 min
Lab File: VN056668.D
Acq: 11 Jul 2019 16:32

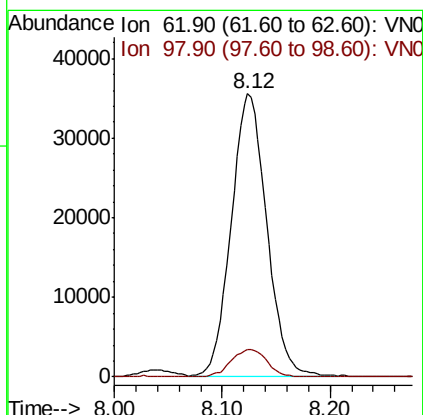
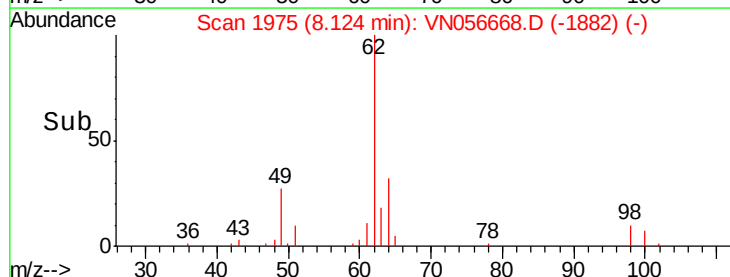
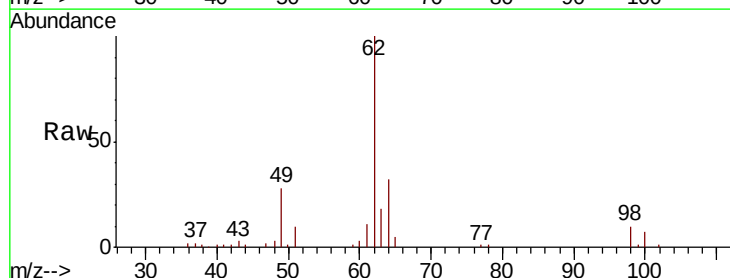
Instrument :
MSVOA_N
ClientSampleId :
VN0712WBS01

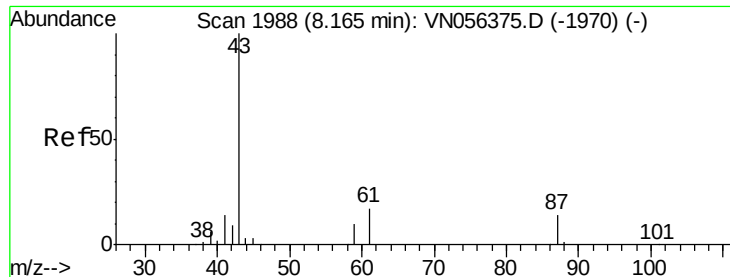
Tot Ion: 41 Resp: 31513
Ion Ratio Lower Upper
41 100
39 60.0 55.3 82.9
67 111.4 79.2 118.8
52 43.9 31.4 47.0



#42
1,2-Dichloroethane
Concen: 19.455 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056668.D
Acq: 11 Jul 2019 16:32

Tgt Ion: 62 Resp: 81904
Ion Ratio Lower Upper
62 100
98 9.7 0.0 19.4





#43

Isopropyl Acetate

Concen: 21.085 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056668.D

Acq: 11 Jul 2019 16:32

Instrument :

MSVOA_N

ClientSampleId :

VN0712WBS01

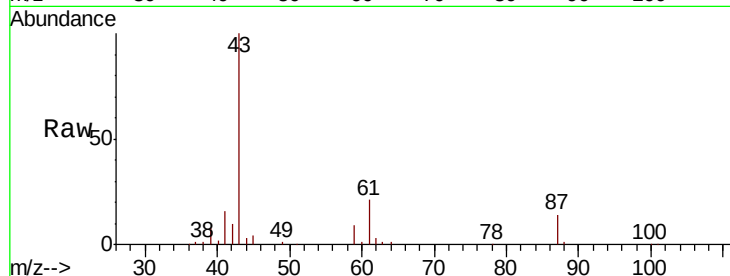
Tot Ion: 43 Resp: 132508

Ion Ratio Lower Upper

43 100

61 28.3 22.0 33.0

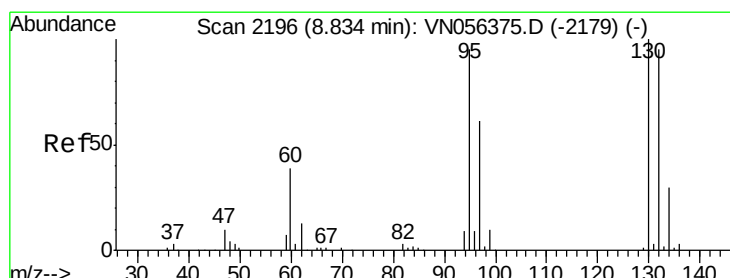
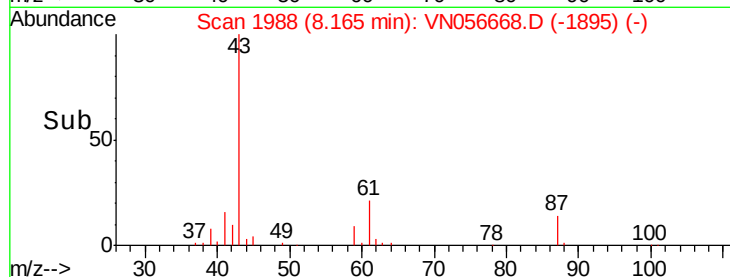
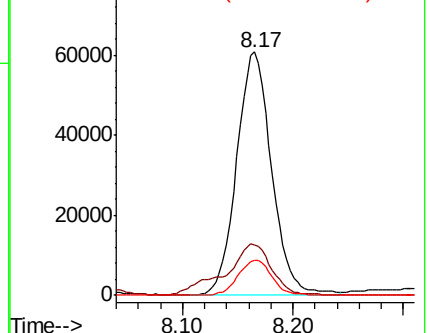
87 14.0 11.0 16.4



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

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

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



#44

Trichloroethene

Concen: 18.542 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN056668.D

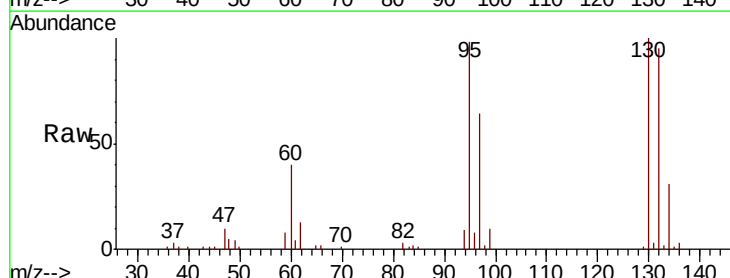
Acq: 11 Jul 2019 16:32

Tgt Ion:130 Resp: 63718

Ion Ratio Lower Upper

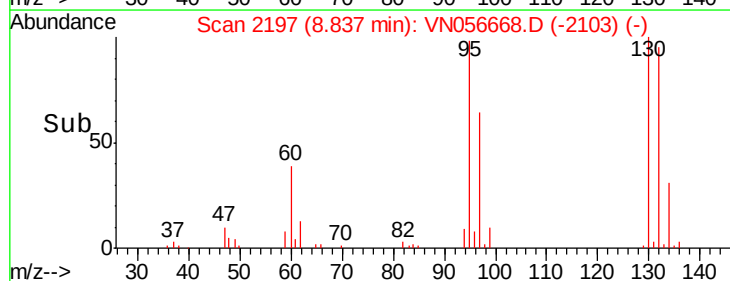
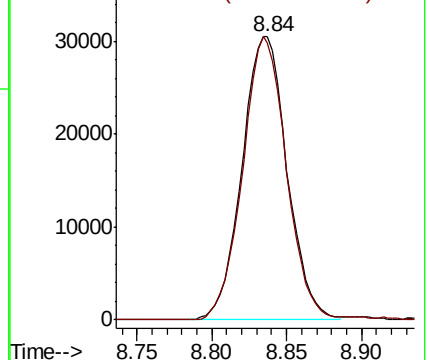
130 100

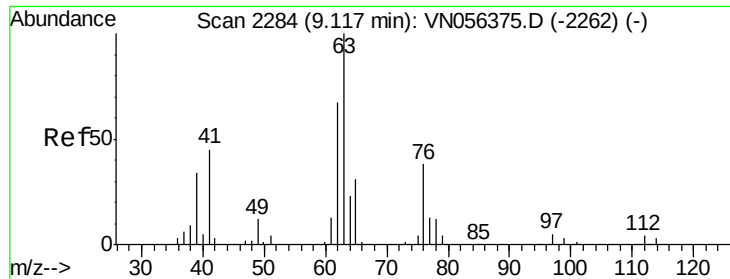
95 97.9 0.0 191.0



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

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

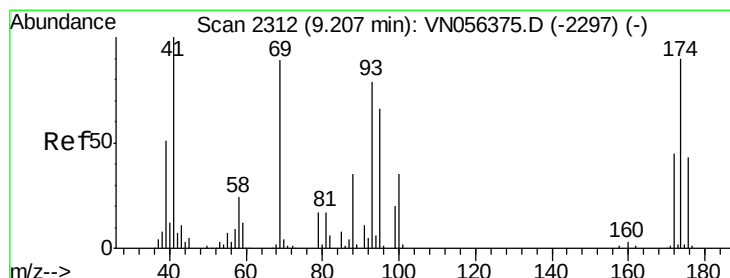
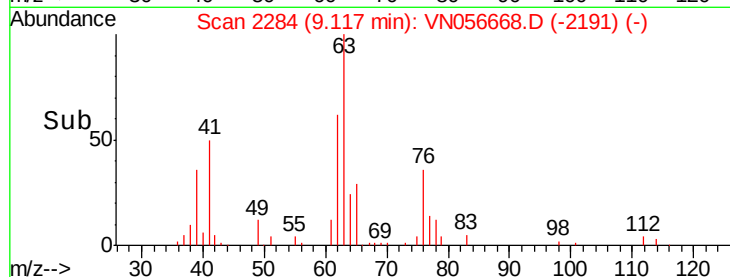
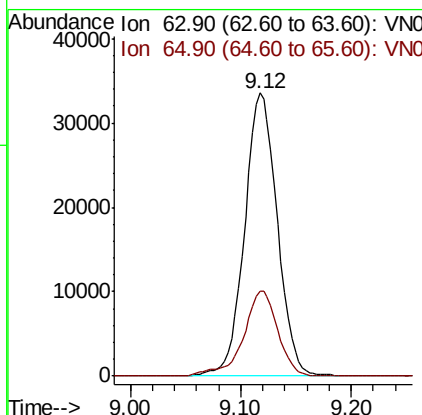
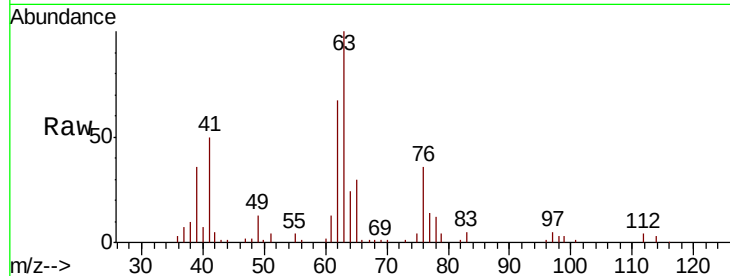




#45
 1,2-Dichloropropane
 Concen: 20.142 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN056668.D
 Acq: 11 Jul 2019 16:32

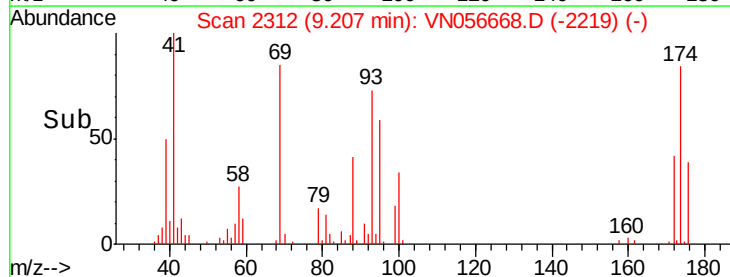
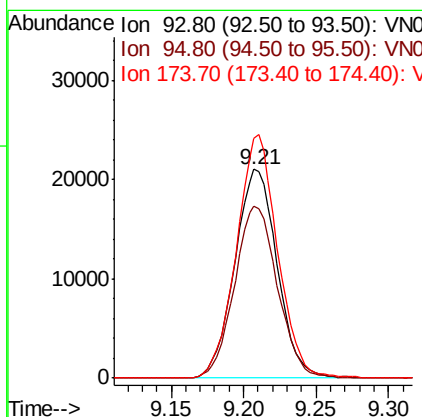
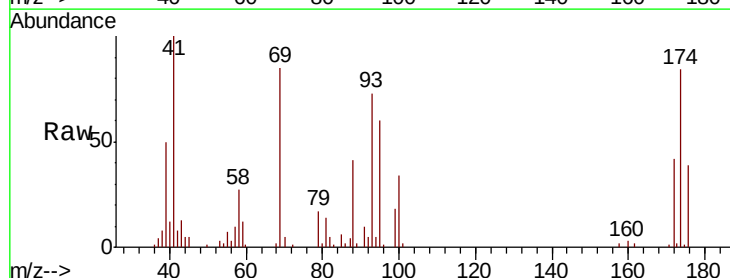
Instrument :
 MSVOA_N
 ClientSampled :
 VN0712WBS01

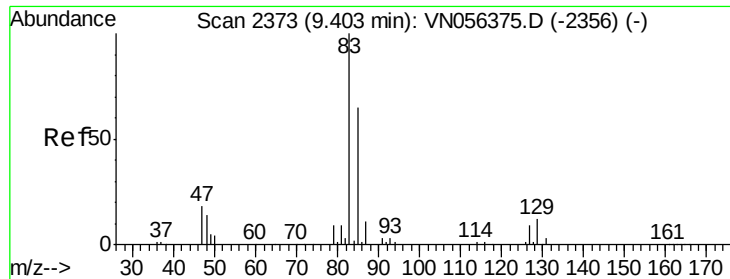
Tot Ion: 63 Resp: 68717
 Ion Ratio Lower Upper
 63 100
 65 29.9 25.0 37.6



#46
 Dibromomethane
 Concen: 20.016 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN056668.D
 Acq: 11 Jul 2019 16:32

Tgt Ion: 93 Resp: 42723
 Ion Ratio Lower Upper
 93 100
 95 83.4 66.2 99.2
 174 112.9 90.8 136.2





#47

Bromodichloromethane

Concen: 21.244 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN056668.D

Acq: 11 Jul 2019 16:32

Instrument :

MSVOA_N

ClientSampleId :

VN0712WBS01

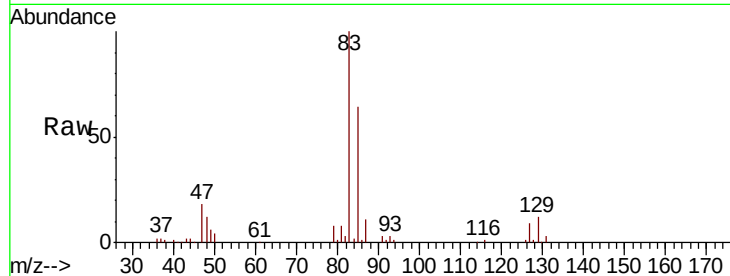
Tot Ion: 83 Resp: 80420

Ion Ratio Lower Upper

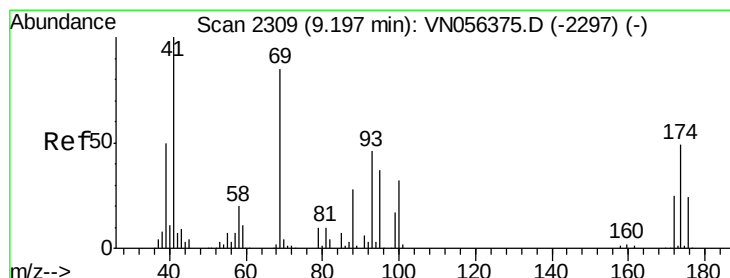
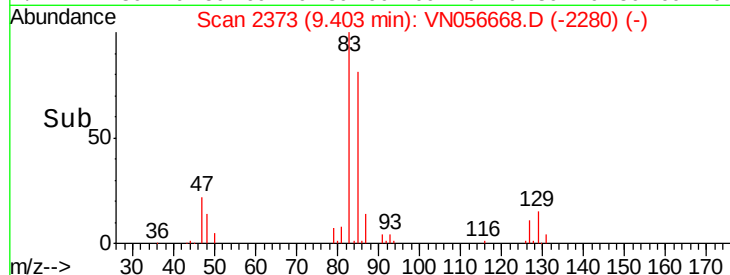
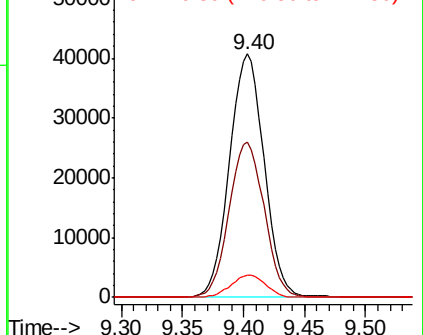
83 100

85 63.5 52.2 78.4

127 8.9 7.3 10.9



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



#48

Methyl methacrylate

Concen: 20.715 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN056668.D

Acq: 11 Jul 2019 16:32

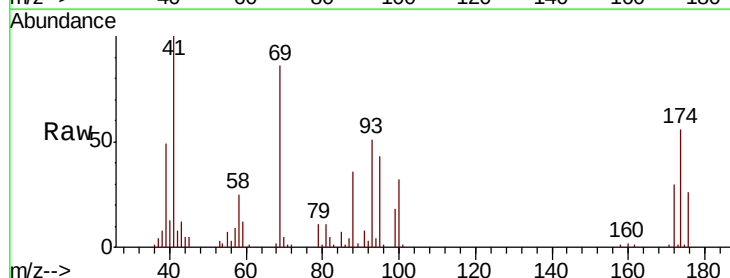
Tgt Ion: 41 Resp: 65238

Ion Ratio Lower Upper

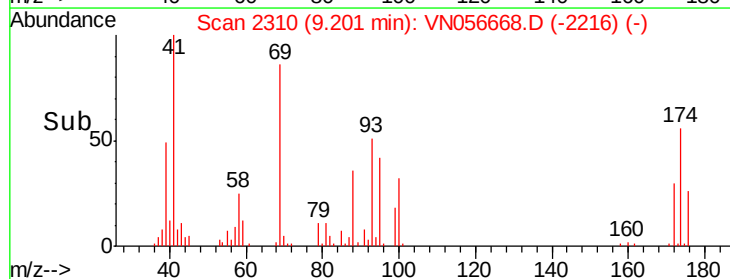
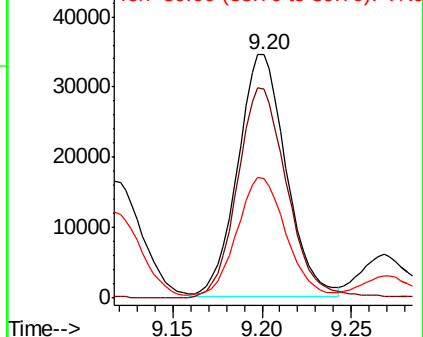
41 100

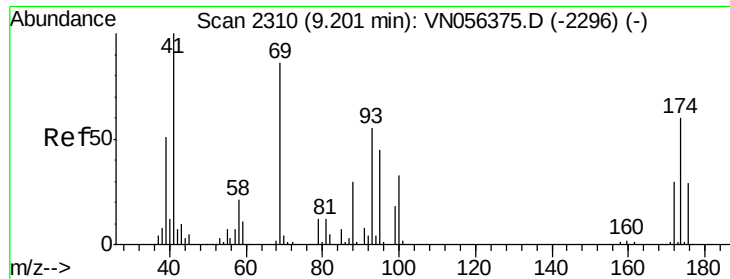
69 90.1 72.6 109.0

39 50.4 42.6 63.8



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

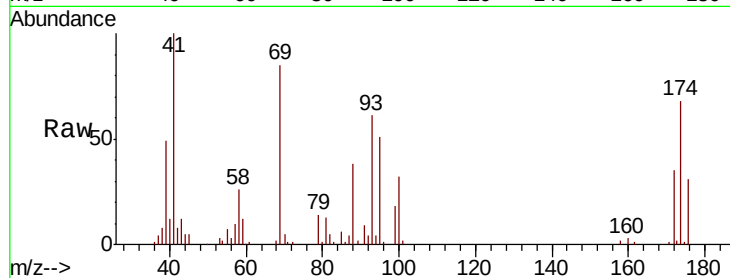




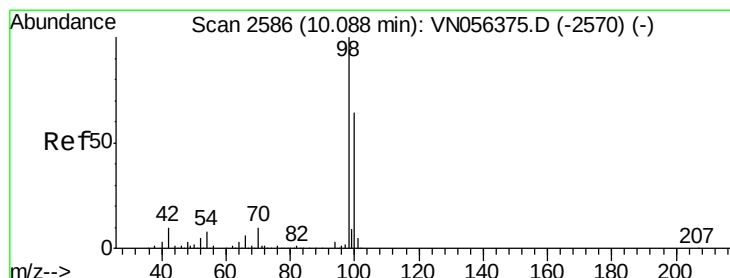
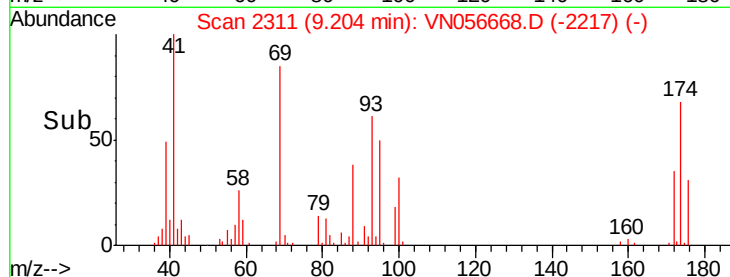
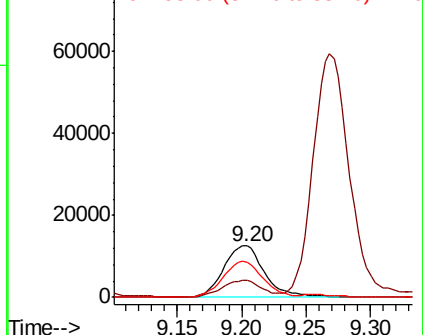
#49
1,4-Dioxane
Concen: 422.819 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN056668.D
Acq: 11 Jul 2019 16:32

Instrument :
MSVOA_N
ClientSampleId :
VN0712WBS01

Tot Ion: 88 Resp: 27633
Ion Ratio Lower Upper
88 100
43 28.7 22.0 33.0
58 67.9 51.8 77.8

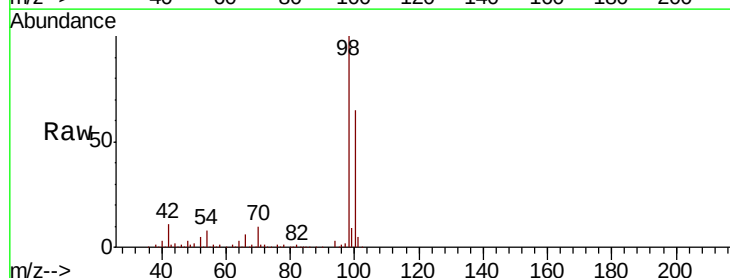


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

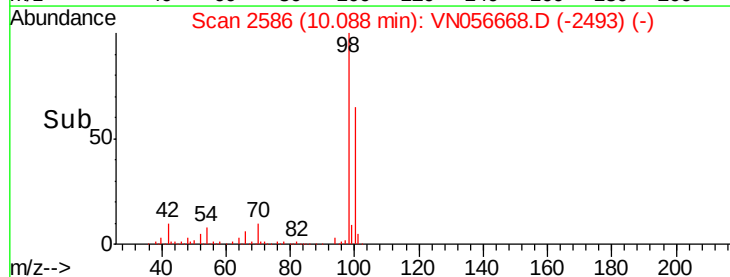
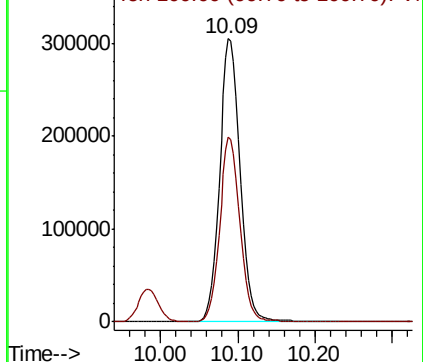


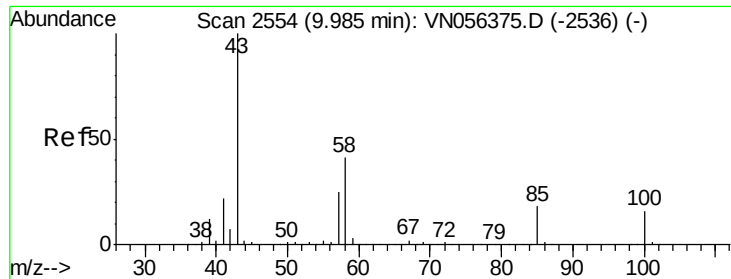
#50
Toluene-d8
Concen: 49.281 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN056668.D
Acq: 11 Jul 2019 16:32

Tgt Ion: 98 Resp: 563641
Ion Ratio Lower Upper
98 100
100 64.0 52.2 78.2



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





#51

4-Methyl-2-Pentanone

Concen: 110.136 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN056668.D

Acq: 11 Jul 2019 16:32

Instrument :

MSVOA_N

ClientSampled :

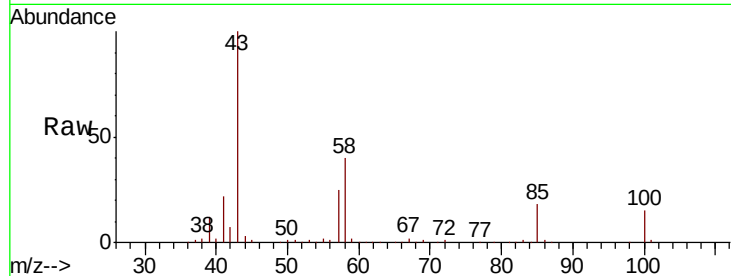
VN0712WBS01

Tot Ion: 43 Resp: 446735

Ion Ratio Lower Upper

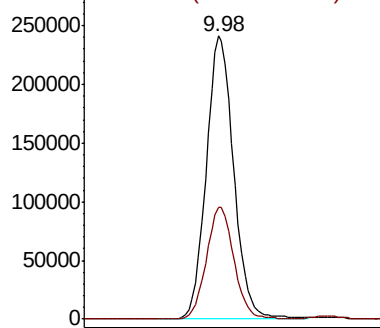
43 100

58 39.7 31.8 47.8

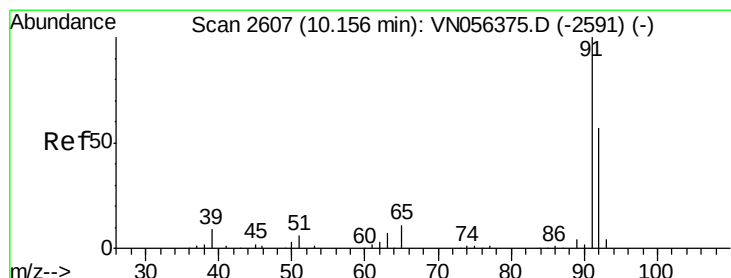
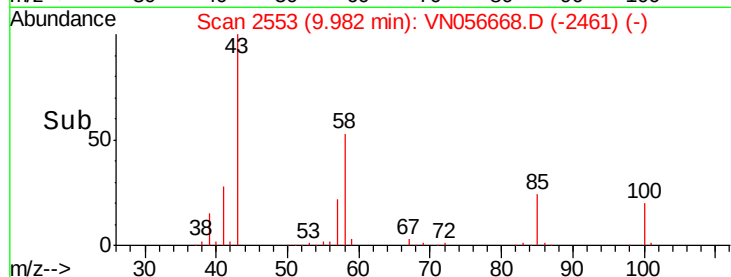


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time-->



#52

Toluene

Concen: 18.726 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056668.D

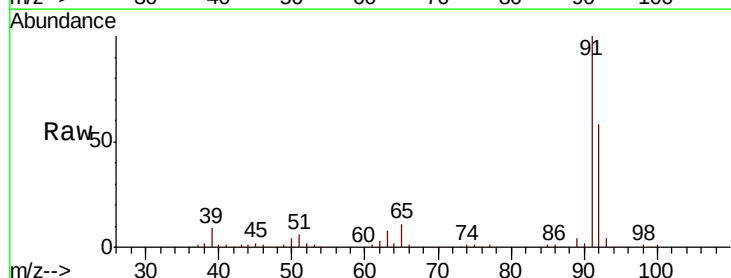
Acq: 11 Jul 2019 16:32

Tgt Ion: 92 Resp: 146048

Ion Ratio Lower Upper

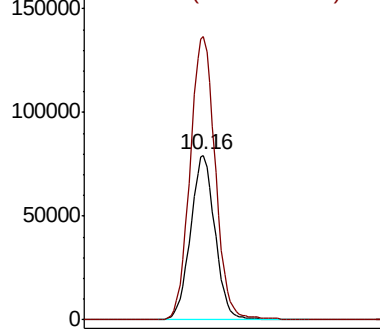
92 100

91 176.1 140.6 211.0

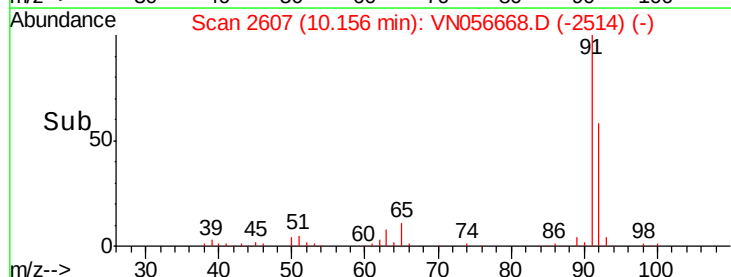


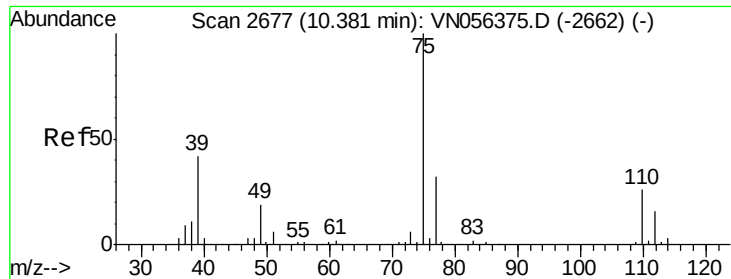
Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



Time-->





#53

t-1,3-Dichloropropene

Concen: 19.837 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN056668.D

Acq: 11 Jul 2019 16:32

Instrument :

MSVOA_N

ClientSampleId :

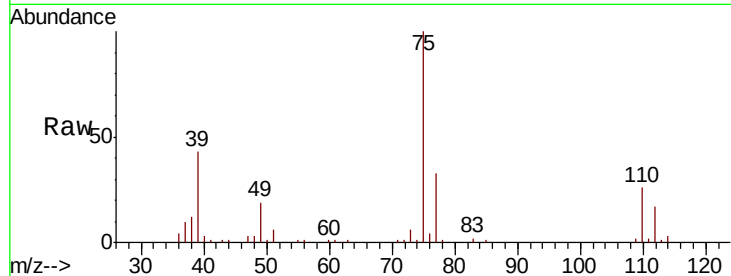
VN0712WBS01

Tot Ion: 75 Resp: 79301

Ion Ratio Lower Upper

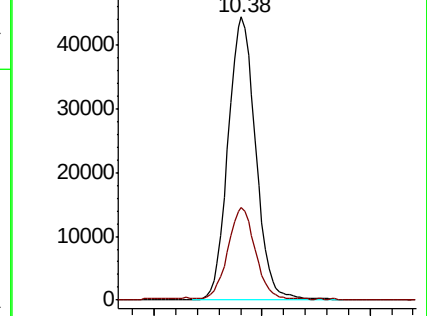
75 100

77 33.0 25.4 38.2

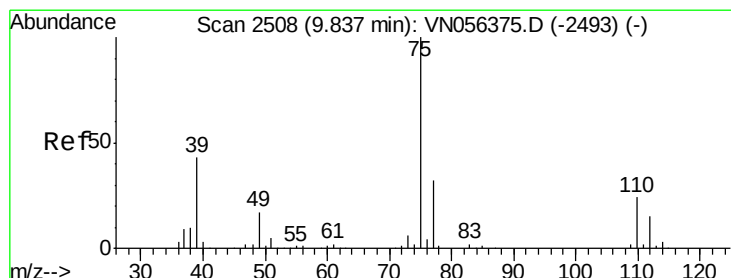
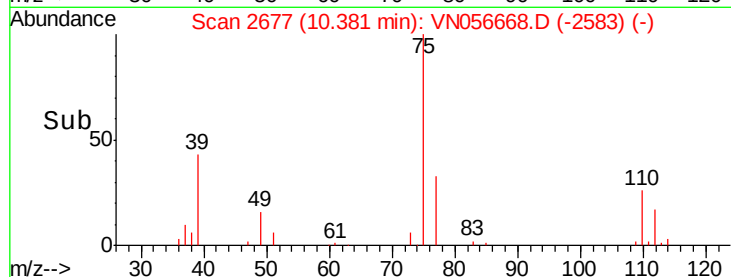


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



Time-->



#54

cis-1,3-Dichloropropene

Concen: 20.661 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. 0.00 min

Lab File: VN056668.D

Acq: 11 Jul 2019 16:32

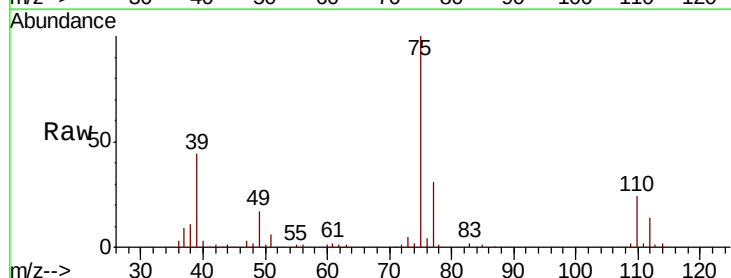
Tgt Ion: 75 Resp: 94188

Ion Ratio Lower Upper

75 100

77 31.1 25.2 37.8

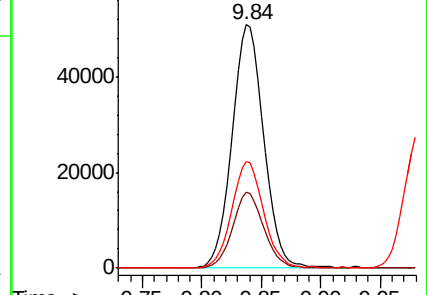
39 43.9 34.2 51.4



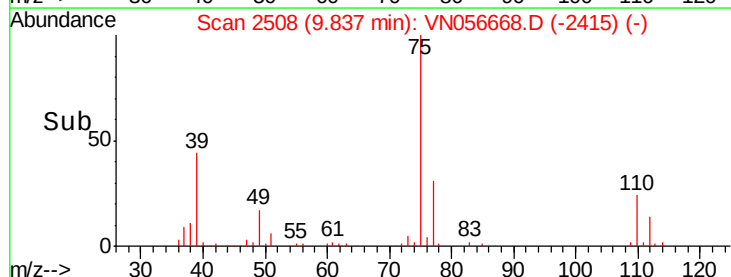
Abundance Ion 74.90 (74.60 to 75.60): VN0

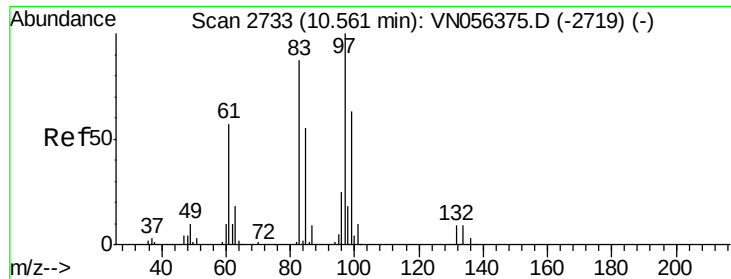
Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0



Time-->

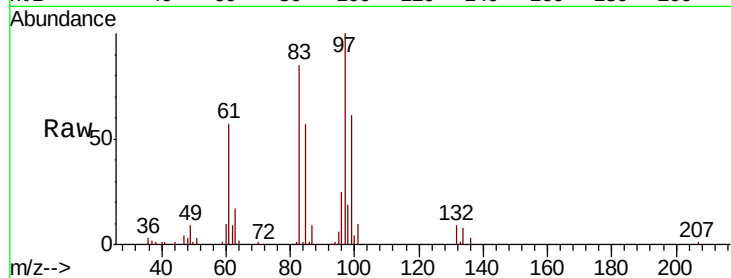




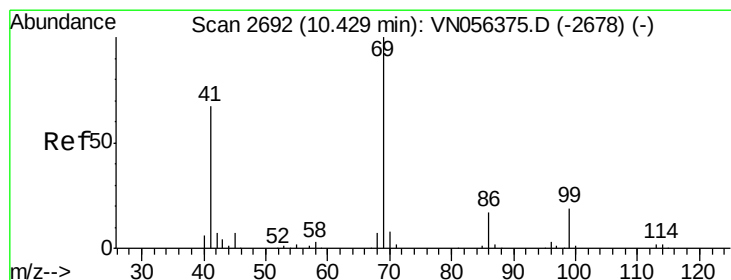
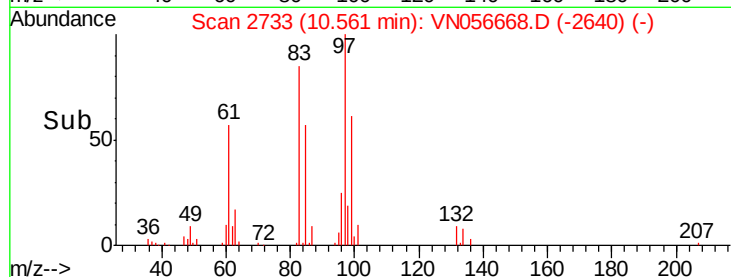
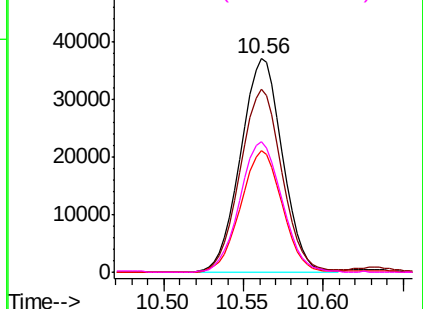
#55
 1,1,2-Trichloroethane
 Concen: 21.105 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN056668.D
 Acq: 11 Jul 2019 16:32

Instrument :
 MSVOA_N
 ClientSampled :
 VN0712WBS01

Tot Ion: 97 Resp: 66162
 Ion Ratio Lower Upper
 97 100
 83 85.5 69.8 104.6
 85 56.7 43.8 65.8
 99 61.1 50.2 75.2

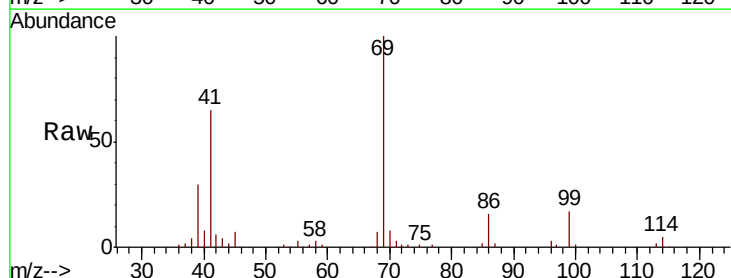


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

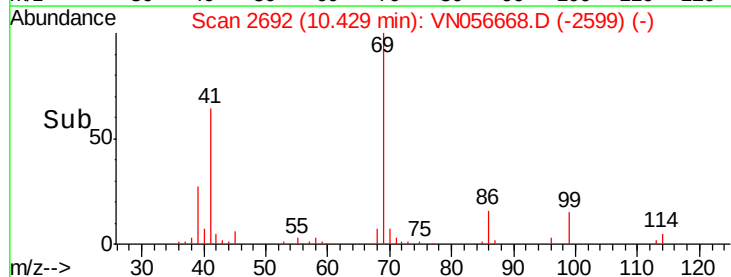
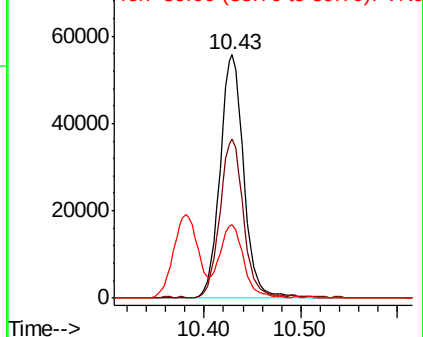


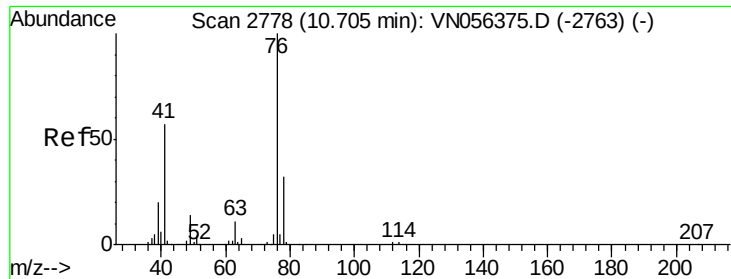
#56
 Ethyl methacrylate
 Concen: 20.694 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN056668.D
 Acq: 11 Jul 2019 16:32

Tgt Ion: 69 Resp: 94811
 Ion Ratio Lower Upper
 69 100
 41 64.2 51.4 77.2
 39 29.9 24.7 37.1



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





#57

1,3-Dichloropropane

Concen: 20.421 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN056668.D

Acq: 11 Jul 2019 16:32

Instrument :

MSVOA_N

ClientSampleId :

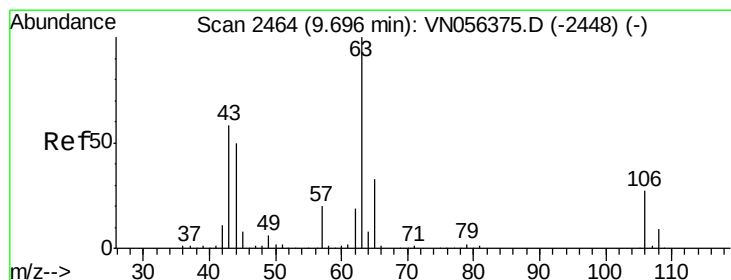
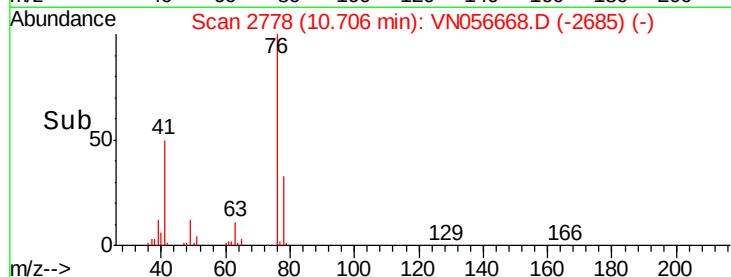
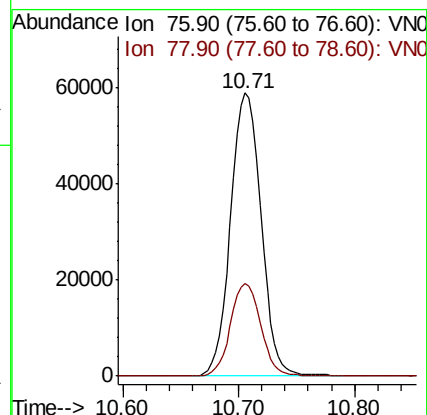
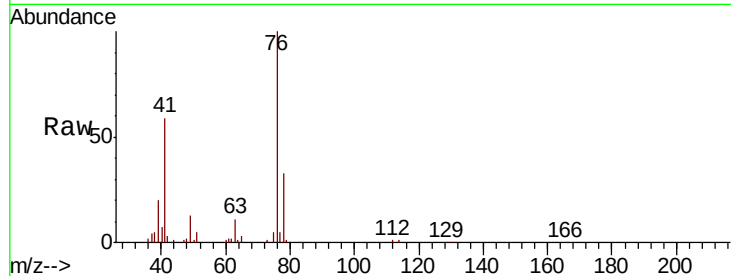
VN0712WBS01

Tot Ion: 76 Resp: 107549

Ion Ratio Lower Upper

76 100

78 32.5 25.9 38.9



#58

2-Chloroethyl Vinyl ether

Concen: 136.031 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN056668.D

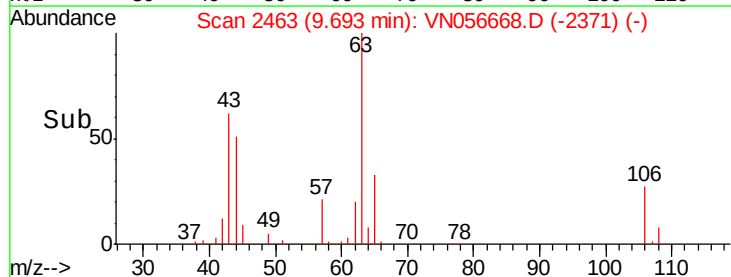
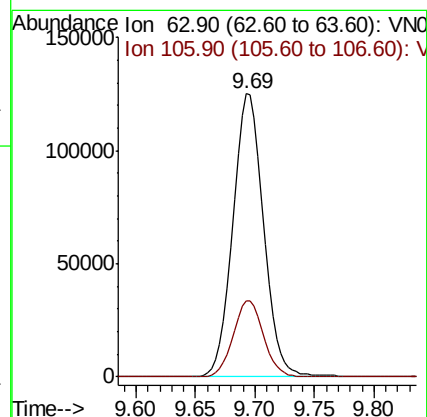
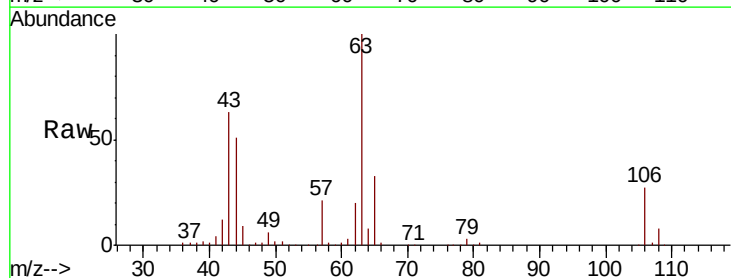
Acq: 11 Jul 2019 16:32

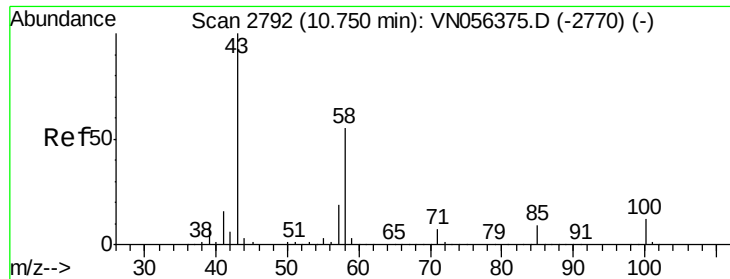
Tgt Ion: 63 Resp: 223894

Ion Ratio Lower Upper

63 100

106 26.7 21.6 32.4

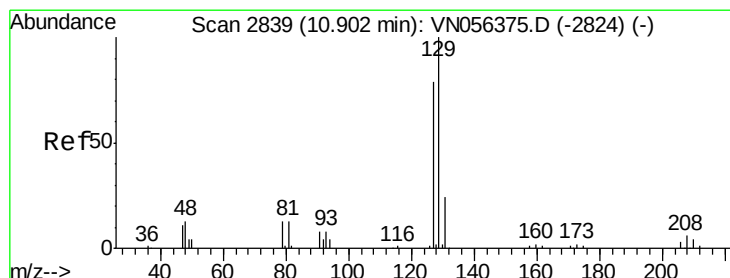
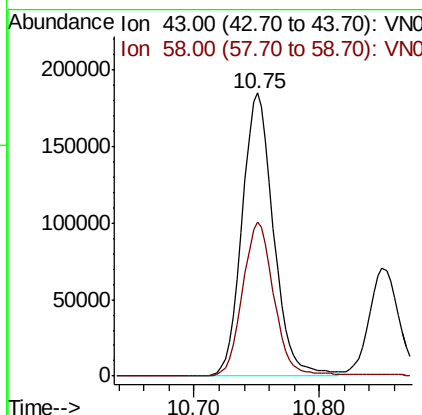
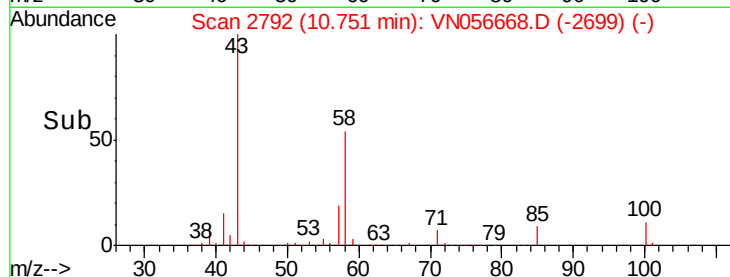
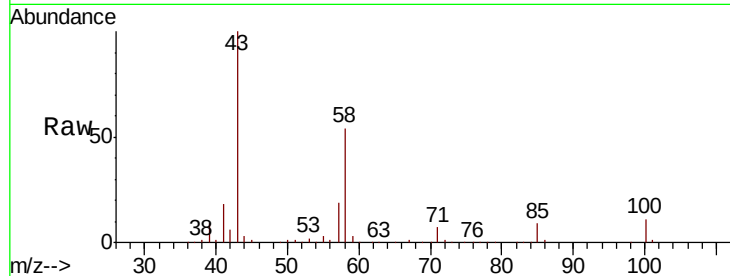




#59
2-Hexanone
Concen: 108.398 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN056668.D
Acq: 11 Jul 2019 16:32

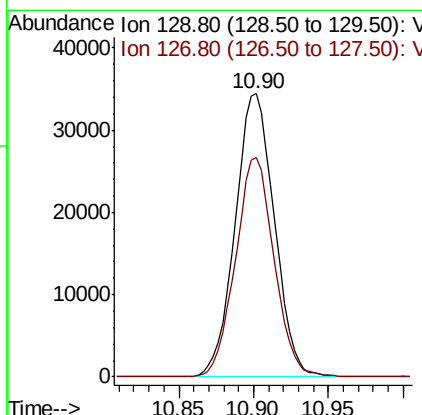
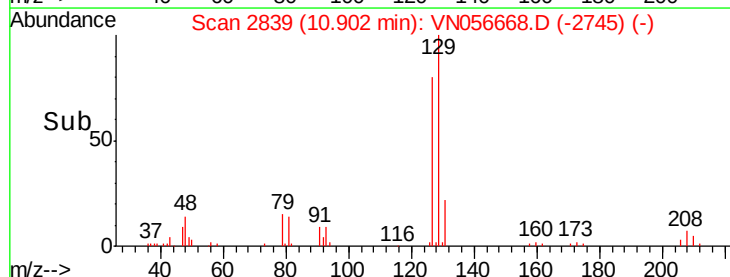
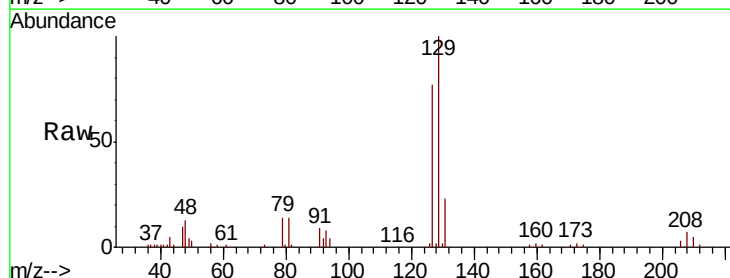
Instrument :
MSVOA_N
ClientSampleId :
VN0712WBS01

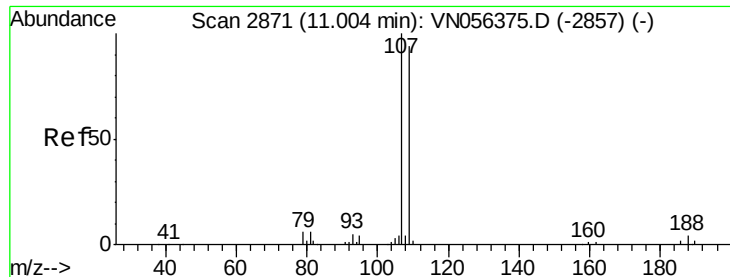
Tot Ion: 43 Resp: 323155
Ion Ratio Lower Upper
43 100
58 54.4 27.8 83.4



#60
Dibromochloromethane
Concen: 20.962 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056668.D
Acq: 11 Jul 2019 16:32

Tgt Ion: 129 Resp: 62865
Ion Ratio Lower Upper
129 100
127 76.3 38.9 116.7





#61

1,2-Dibromoethane

Concen: 20.280 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN056668.D

Acq: 11 Jul 2019 16:32

Instrument :

MSVOA_N

ClientSampleId :

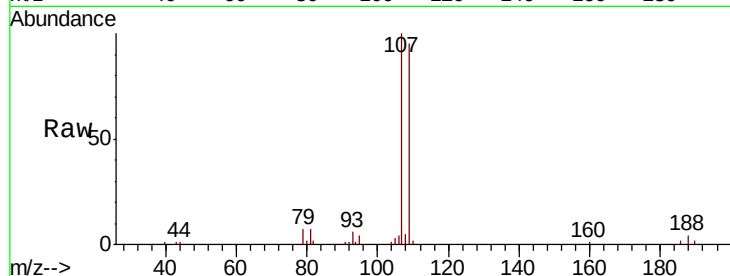
VN0712WBS01

Tot Ion:107 Resp: 64932

Ion Ratio Lower Upper

107 100

109 95.8 75.3 112.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

40000

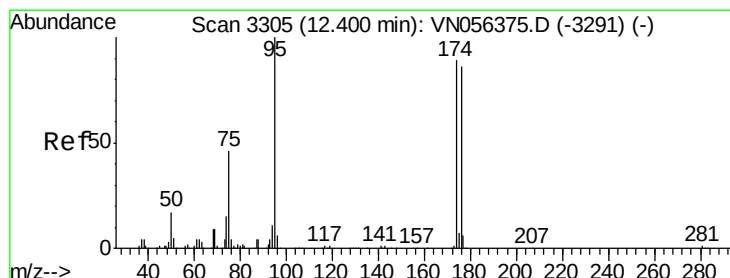
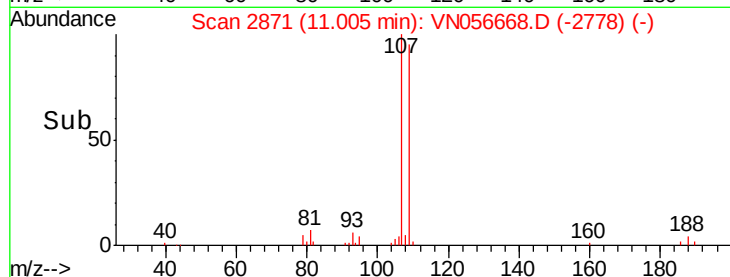
30000

20000

10000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 50.218 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056668.D

Acq: 11 Jul 2019 16:32

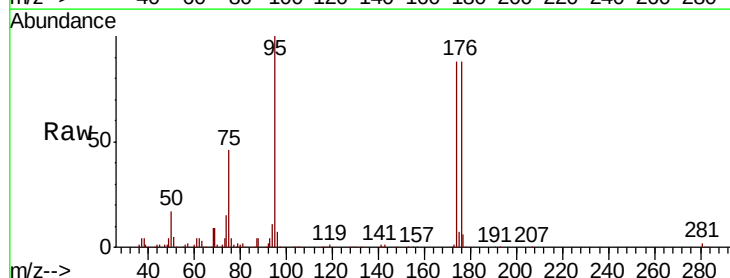
Tgt Ion: 95 Resp: 191467

Ion Ratio Lower Upper

95 100

174 90.2 0.0 179.4

176 88.0 0.0 173.4



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

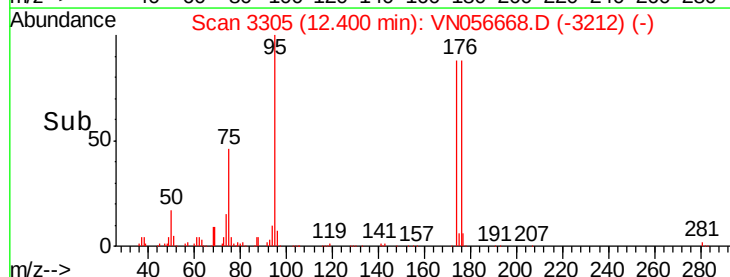
150000

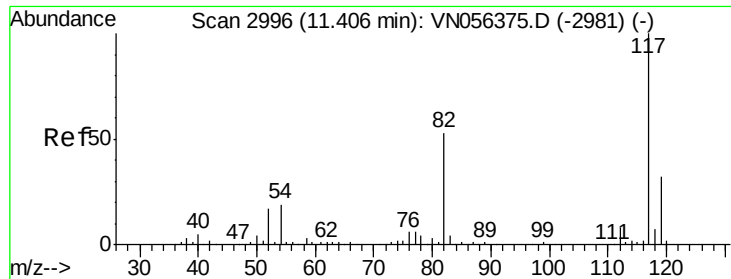
100000

50000

0

Time-->

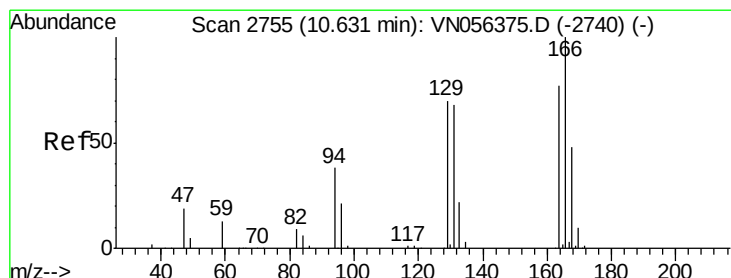
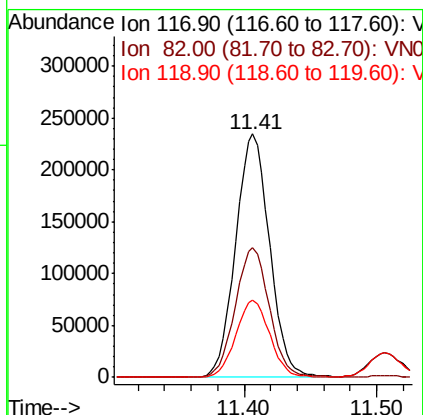
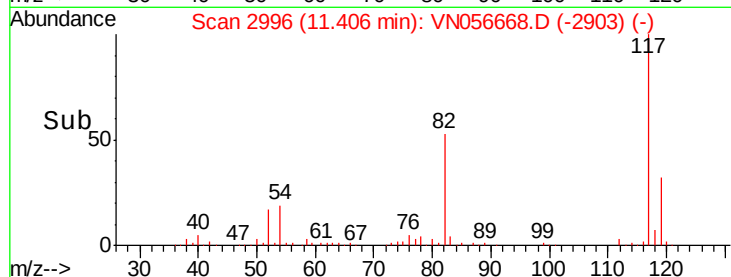
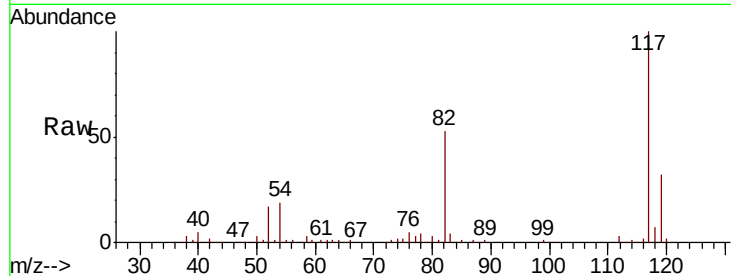




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056668.D
Acq: 11 Jul 2019 16:32

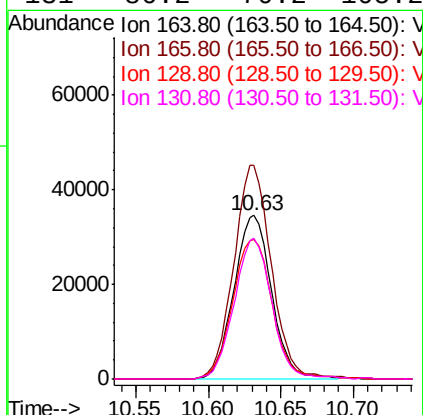
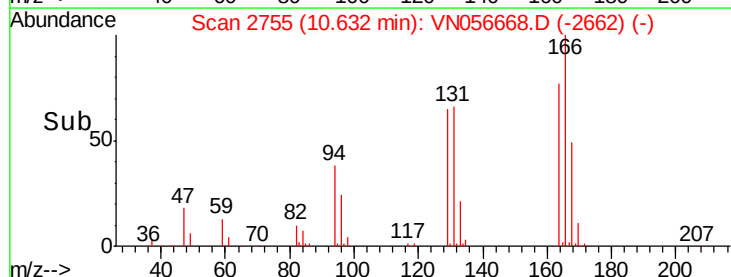
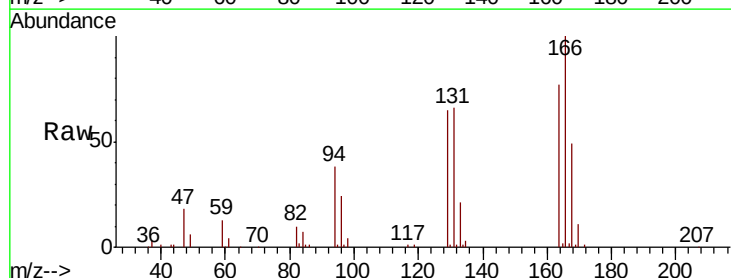
Instrument :
MSVOA_N
ClientSampleId :
VN0712WBS01

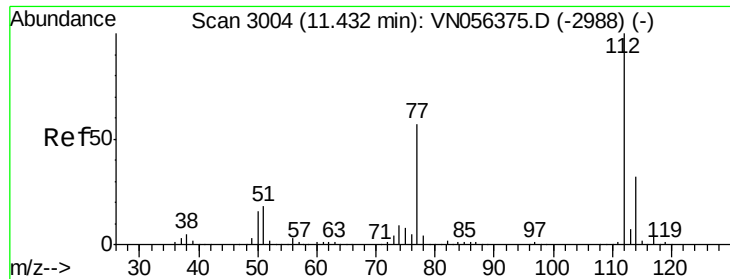
Tot Ion:117 Resp: 418043
Ion Ratio Lower Upper
117 100
82 53.1 42.0 63.0
119 31.7 25.3 37.9



#64
Tetrachloroethene
Concen: 18.859 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN056668.D
Acq: 11 Jul 2019 16:32

Tgt Ion:164 Resp: 62434
Ion Ratio Lower Upper
164 100
166 130.5 103.4 155.0
129 85.1 72.0 108.0
131 86.2 70.2 105.2

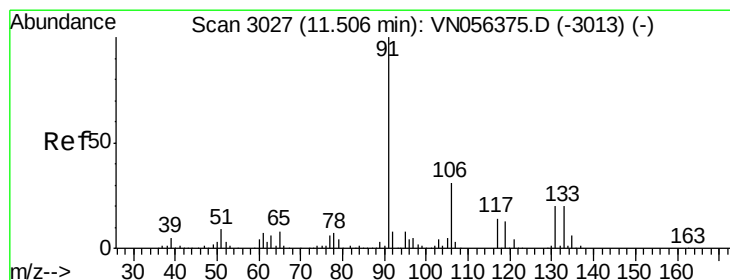
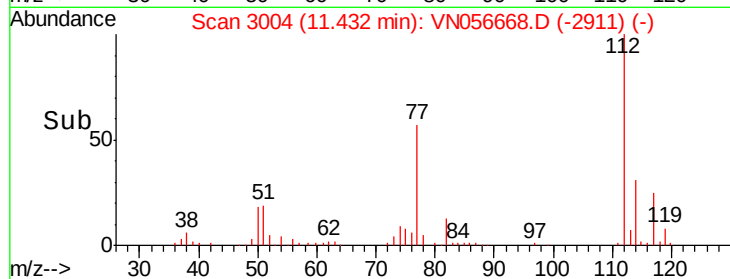
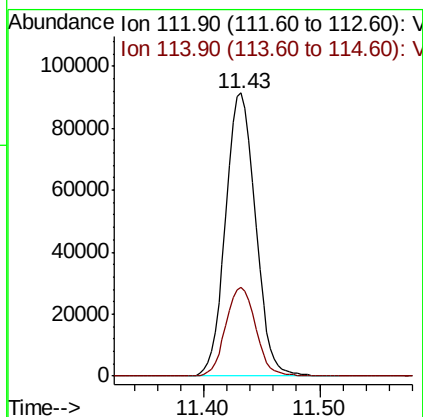
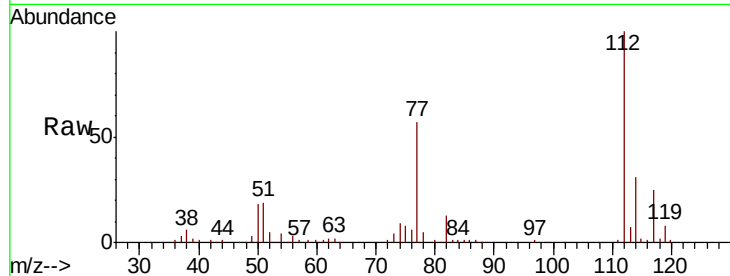




#65
Chlorobenzene
Concen: 19.402 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056668.D
Acq: 11 Jul 2019 16:32

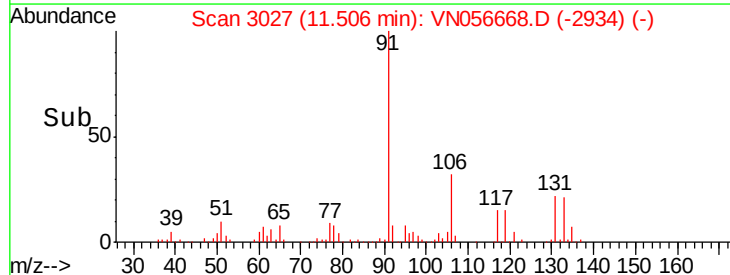
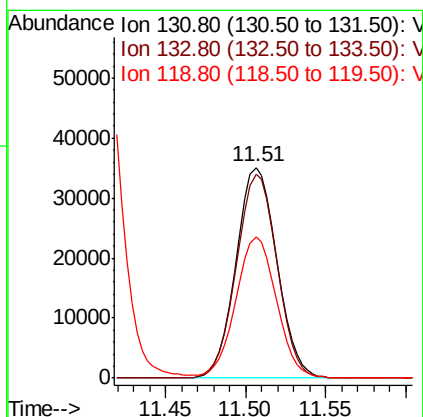
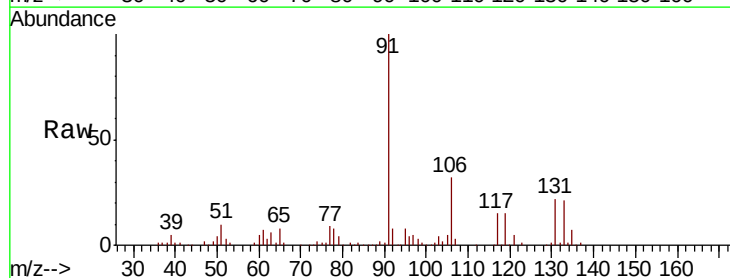
Instrument :
MSVOA_N
ClientSampled :
VN0712WBS01

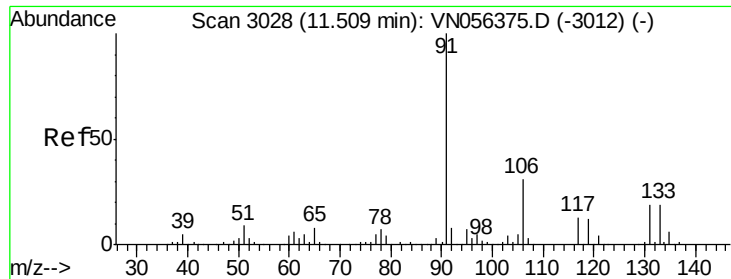
Tot Ion:112 Resp: 162973
Ion Ratio Lower Upper
112 100
114 31.2 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 21.541 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN056668.D
Acq: 11 Jul 2019 16:32

Tgt Ion:131 Resp: 61154
Ion Ratio Lower Upper
131 100
133 96.4 47.4 142.2
119 66.7 32.8 98.4

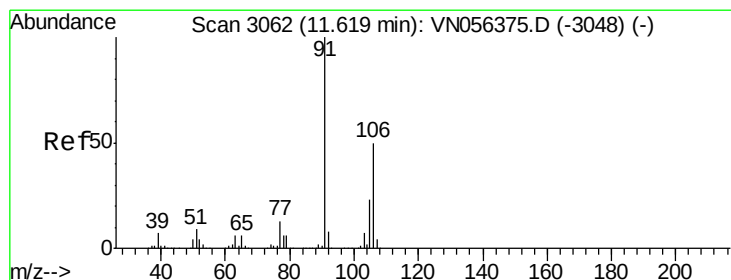
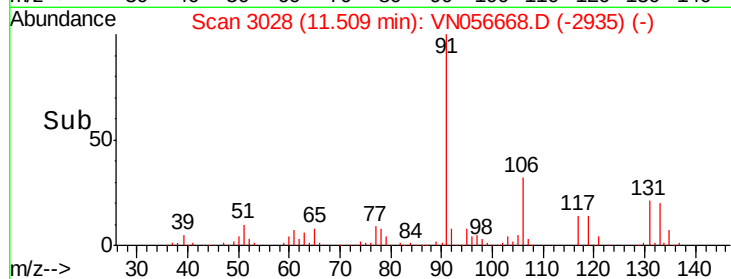
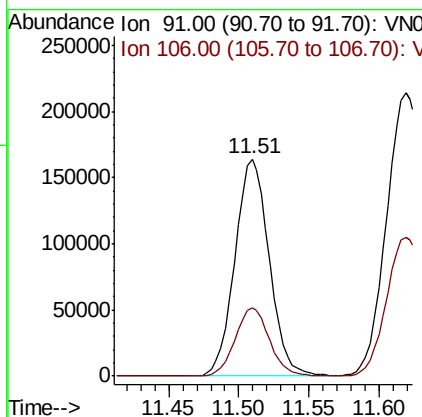
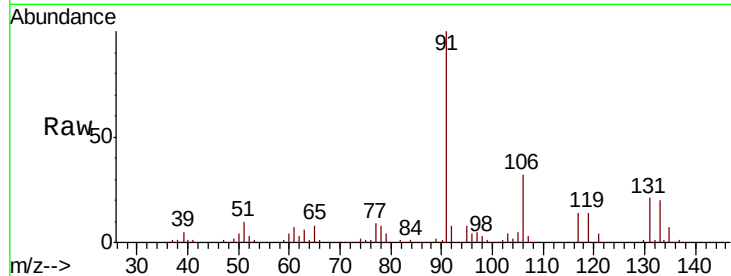




#67
Ethyl Benzene
Concen: 18.975 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056668.D
Acq: 11 Jul 2019 16:32

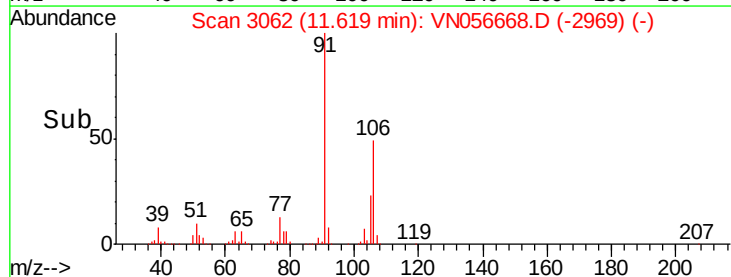
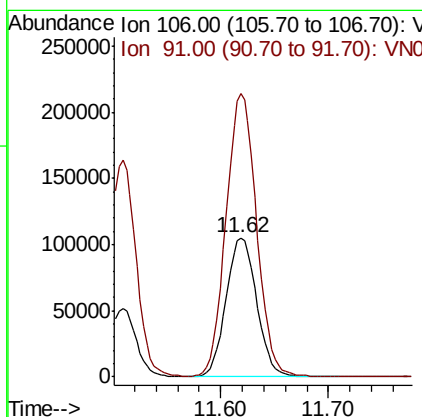
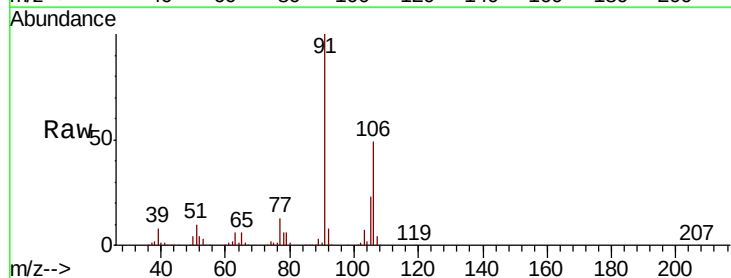
Instrument :
MSVOA_N
ClientSampled :
VN0712WBS01

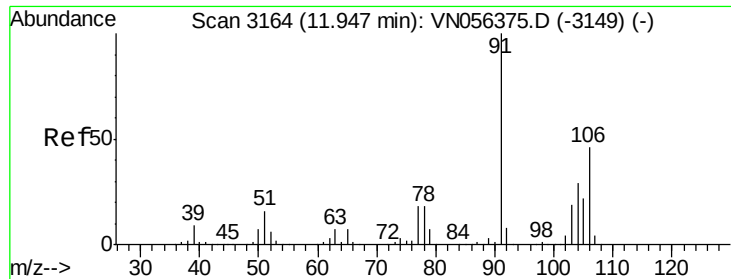
Tot Ion: 91 Resp: 279864
Ion Ratio Lower Upper
91 100
106 31.6 25.1 37.7



#68
m/p-Xylenes
Concen: 38.482 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056668.D
Acq: 11 Jul 2019 16:32

Tgt Ion: 106 Resp: 208007
Ion Ratio Lower Upper
106 100
91 203.4 160.1 240.1

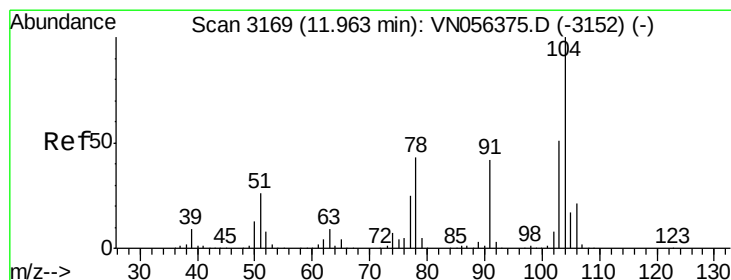
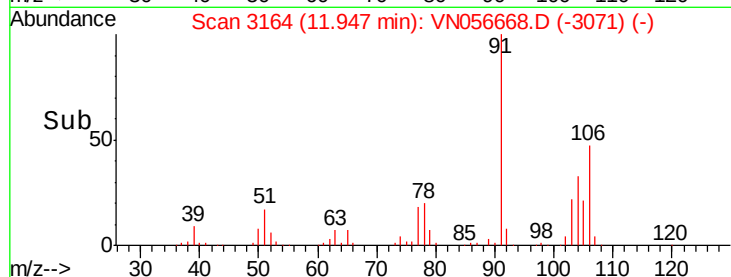
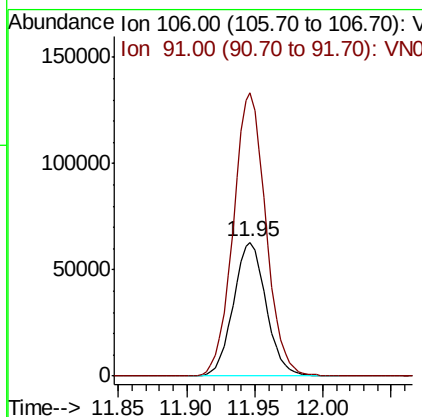
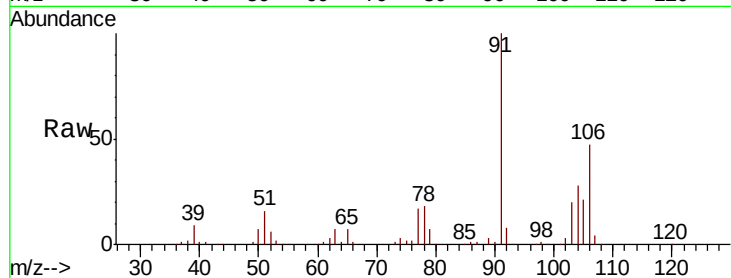




#69
o-Xylene
Concen: 19.624 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056668.D
Acq: 11 Jul 2019 16:32

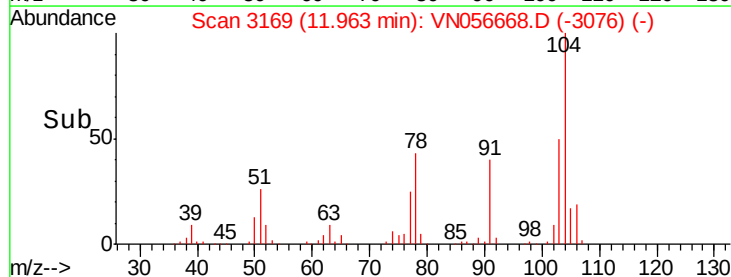
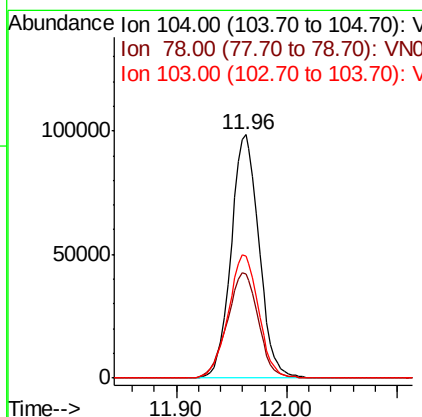
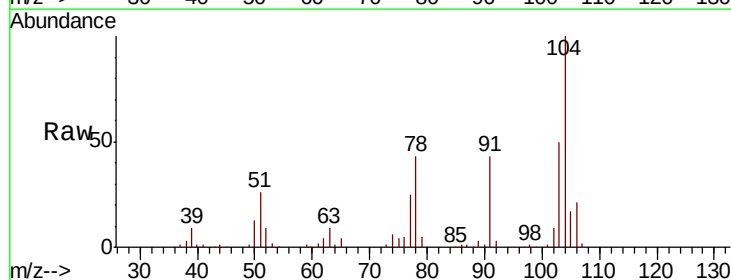
Instrument :
MSVOA_N
ClientSampled :
VN0712WBS01

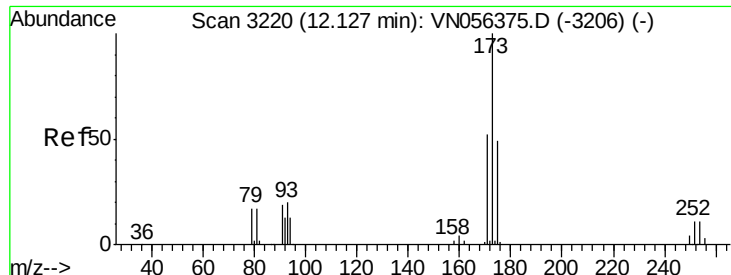
Tot Ion:106 Resp: 104940
Ion Ratio Lower Upper
106 100
91 210.6 107.1 321.3



#70
Styrene
Concen: 20.243 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056668.D
Acq: 11 Jul 2019 16:32

Tgt Ion:104 Resp: 173030
Ion Ratio Lower Upper
104 100
78 48.3 38.6 57.8
103 55.1 43.9 65.9





#71

Bromoform

Concen: 21.413 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN056668.D

Acq: 11 Jul 2019 16:32

Instrument :

MSVOA_N

ClientSampleId :

VN0712WBS01

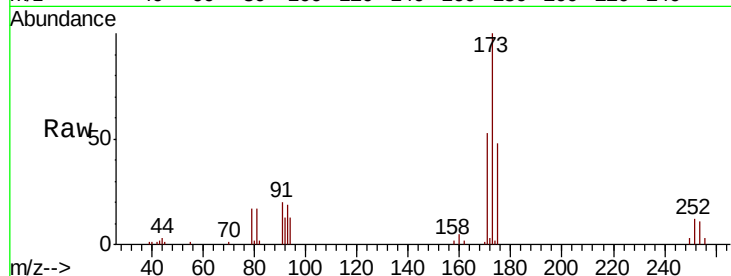
Tot Ion:173 Resp: 44650

Ion Ratio Lower Upper

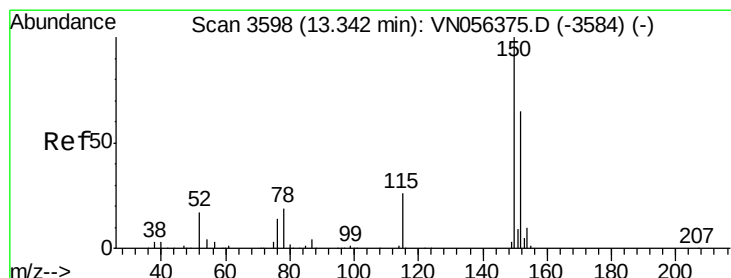
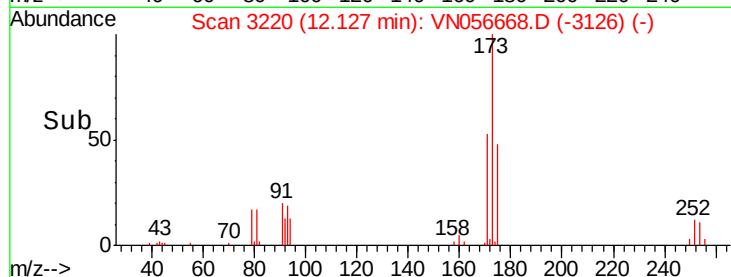
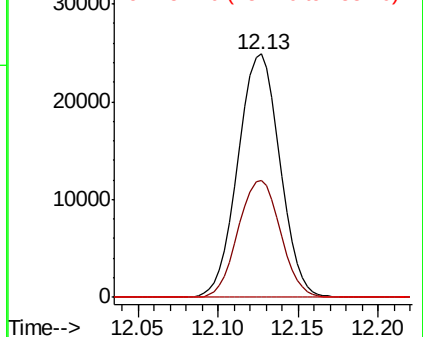
173 100

175 48.2 24.4 73.4

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN056668.D

Acq: 11 Jul 2019 16:32

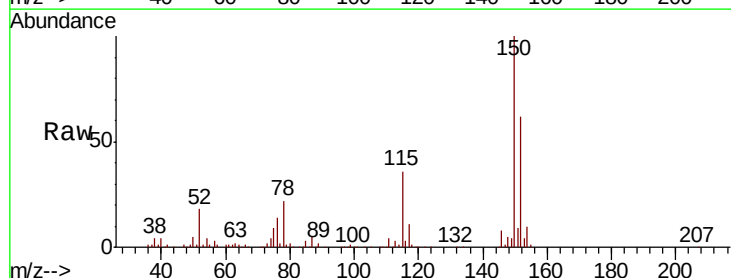
Tgt Ion:152 Resp: 182471

Ion Ratio Lower Upper

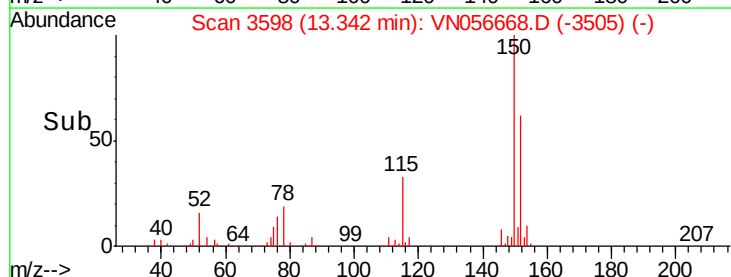
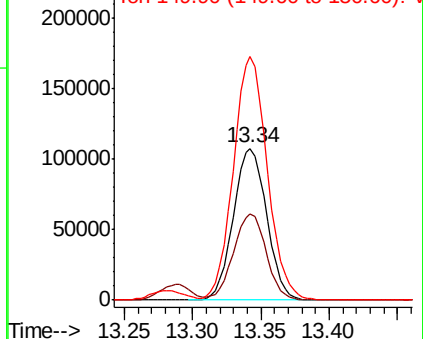
152 100

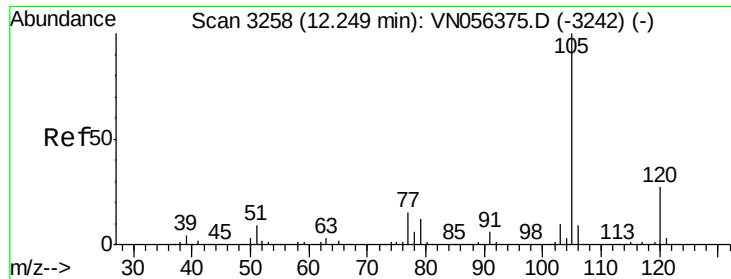
115 55.9 28.1 84.4

150 163.5 0.0 348.4



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





#73

Isopropylbenzene

Concen: 18.295 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN056668.D

Acq: 11 Jul 2019 16:32

Instrument :

MSVOA_N

ClientSampleId :

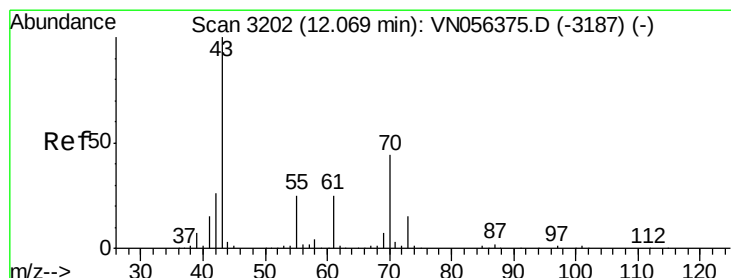
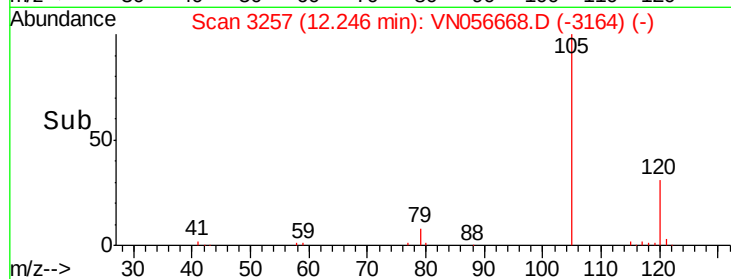
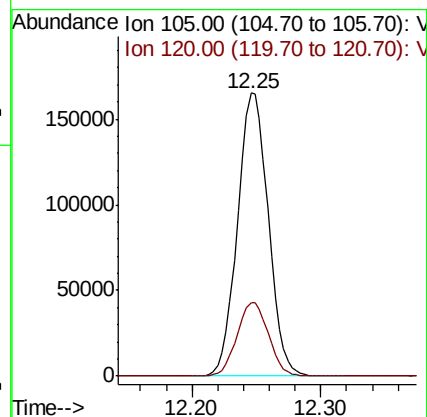
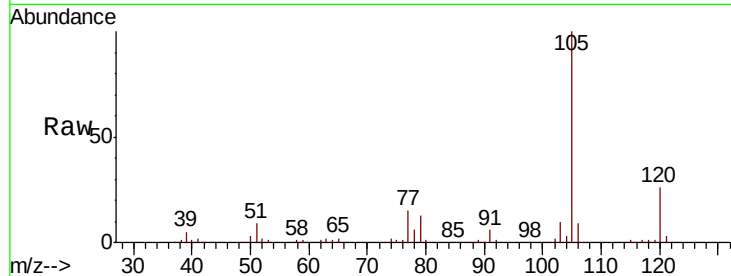
VN0712WBS01

Tot Ion:105 Resp: 274093

Ion Ratio Lower Upper

105 100

120 26.6 13.4 40.2



#74

N-ethyl acetate

Concen: 18.170 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN056668.D

Acq: 11 Jul 2019 16:32

Tgt Ion: 43 Resp: 105521

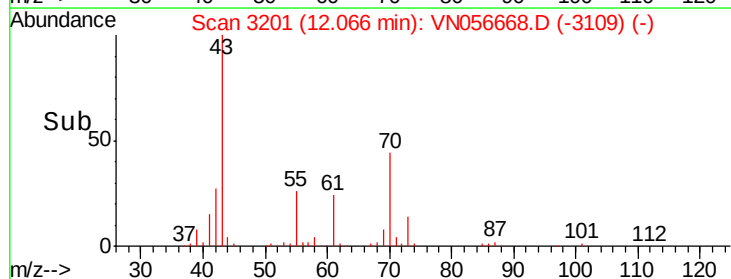
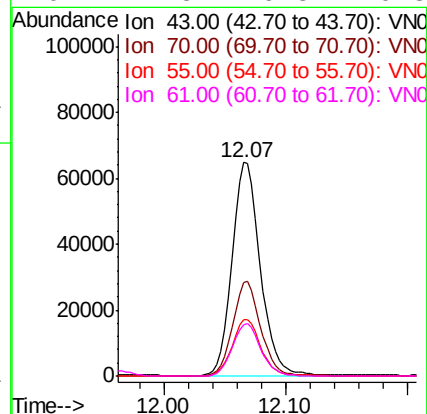
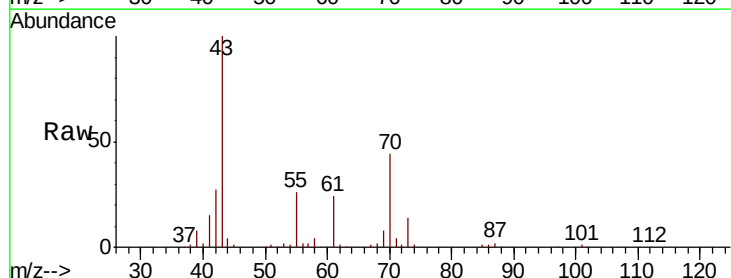
Ion Ratio Lower Upper

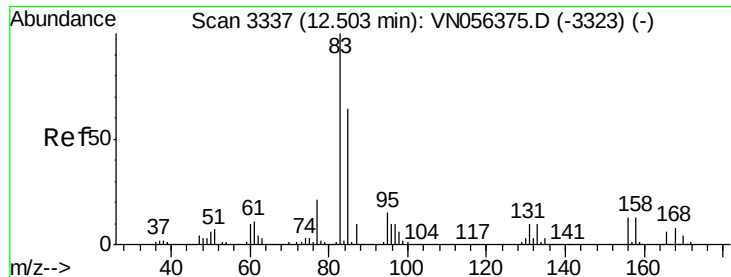
43 100

70 43.5 34.9 52.3

55 26.6 20.4 30.6

61 24.3 19.8 29.8





#75

1,1,2,2-Tetrachloroethane

Concen: 21.085 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056668.D

Acq: 11 Jul 2019 16:32

Instrument :

MSVOA_N

ClientSampleId :

VN0712WBS01

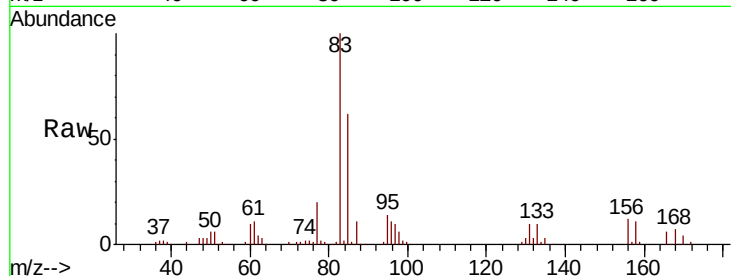
Tot Ion: 83 Resp: 97005

Ion Ratio Lower Upper

83 100

131 10.1 5.3 15.8

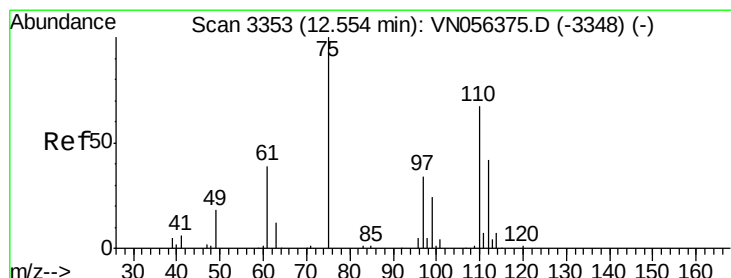
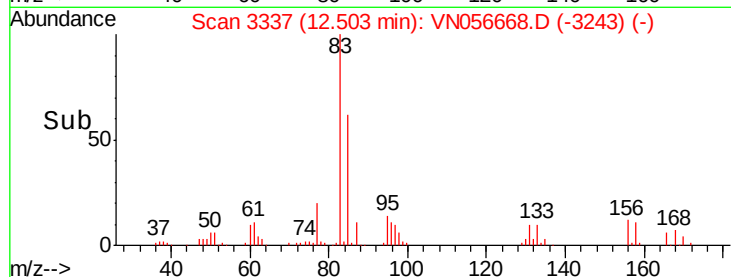
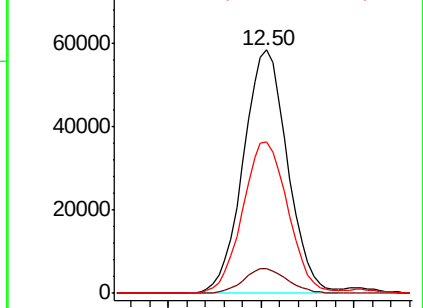
85 63.8 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 29.702 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN056668.D

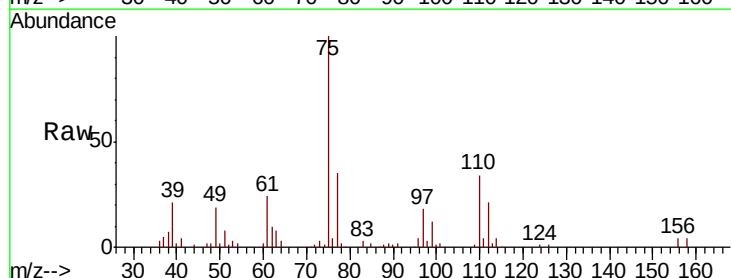
Acq: 11 Jul 2019 16:32

Tgt Ion: 75 Resp: 112380

Ion Ratio Lower Upper

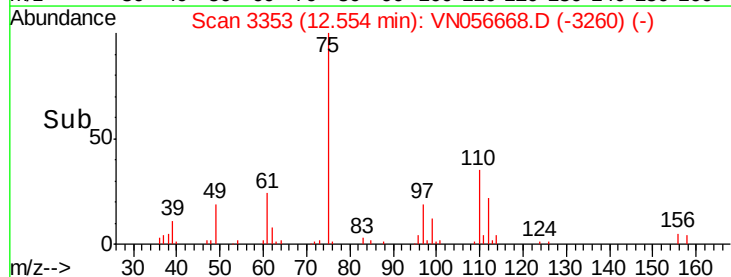
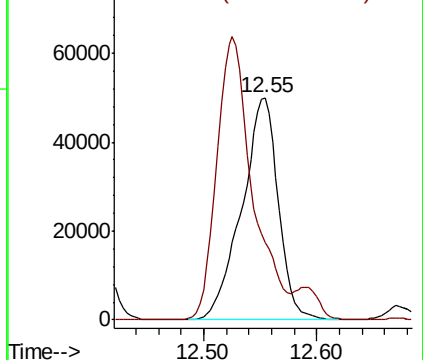
75 100

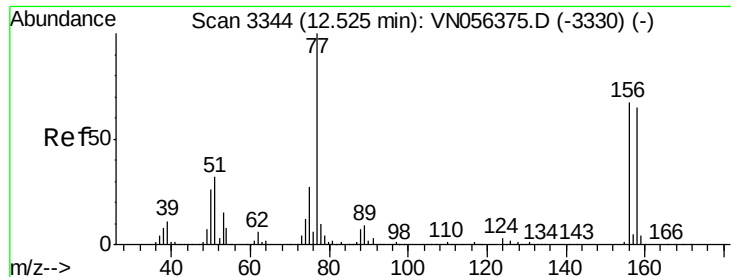
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 17.860 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056668.D

Acq: 11 Jul 2019 16:32

Instrument :

MSVOA_N

ClientSampled :

VN0712WBS01

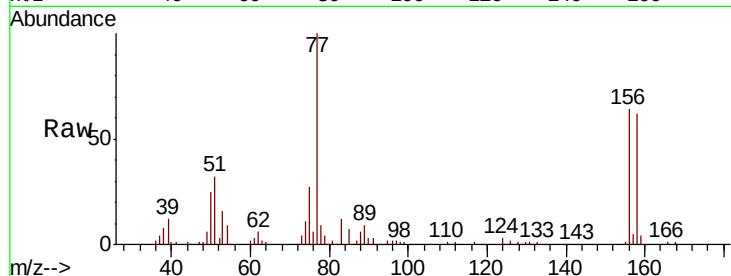
Tot Ion:156 Resp: 72868

Ion Ratio Lower Upper

156 100

77 192.6 92.5 277.3

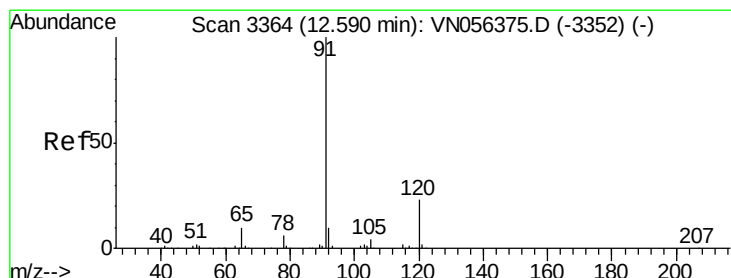
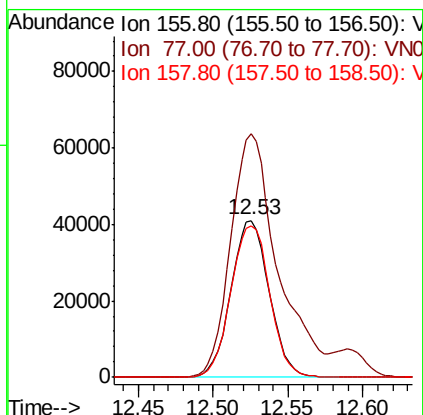
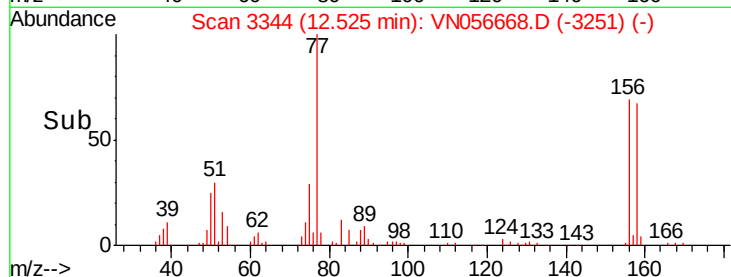
158 98.6 48.7 146.1



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 17.969 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056668.D

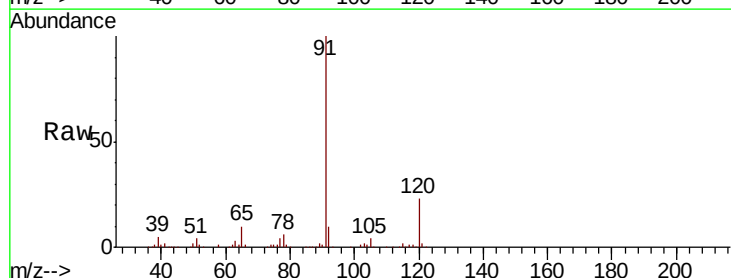
Acq: 11 Jul 2019 16:32

Tgt Ion: 91 Resp: 300264

Ion Ratio Lower Upper

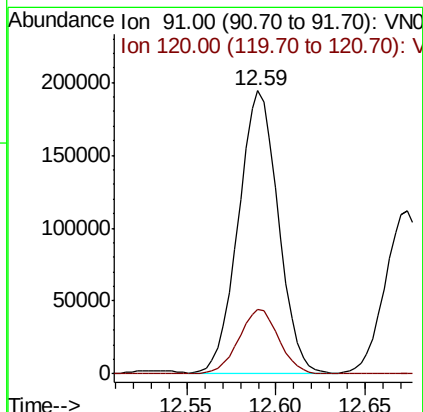
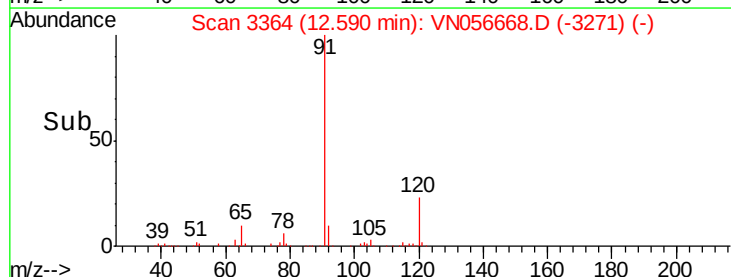
91 100

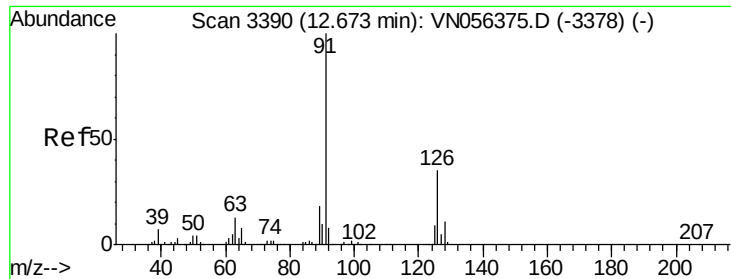
120 22.9 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.642 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056668.D

Acq: 11 Jul 2019 16:32

Instrument :

MSVOA_N

ClientSampleId :

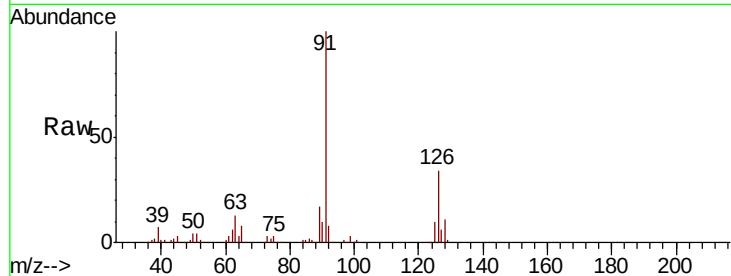
VN0712WBS01

Tot Ion: 91 Resp: 185347

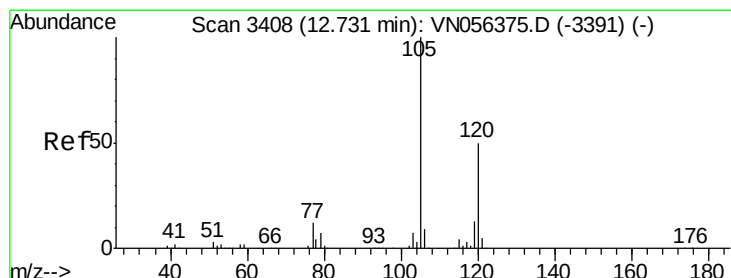
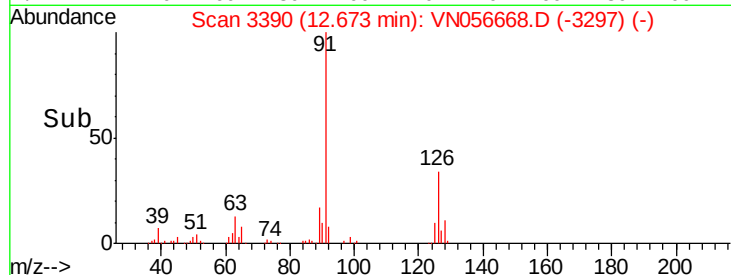
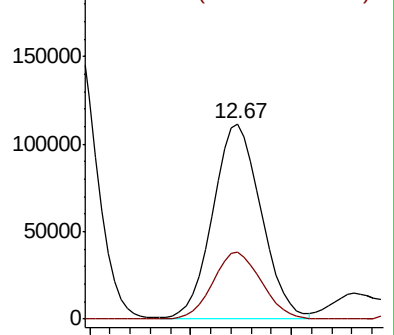
Ion Ratio Lower Upper

91 100

126 35.0 17.6 52.8



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



#80

1,3,5-Trimethylbenzene

Concen: 18.994 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056668.D

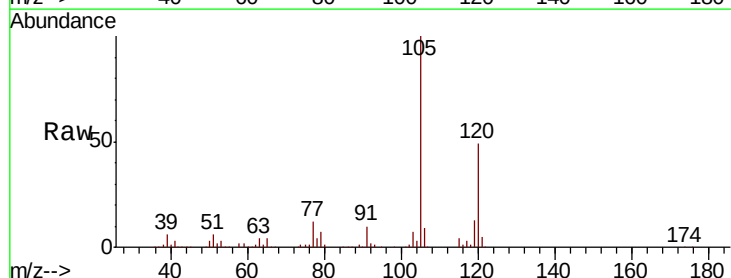
Acq: 11 Jul 2019 16:32

Tgt Ion: 105 Resp: 234208

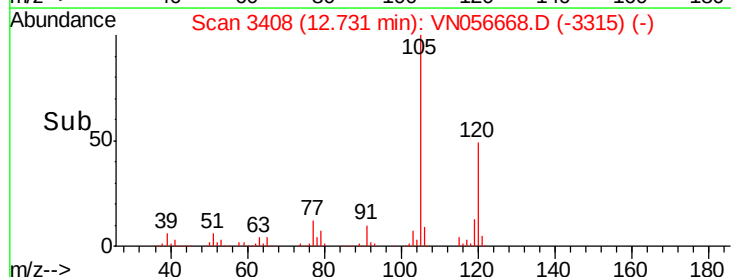
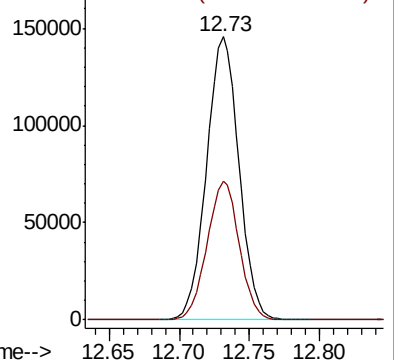
Ion Ratio Lower Upper

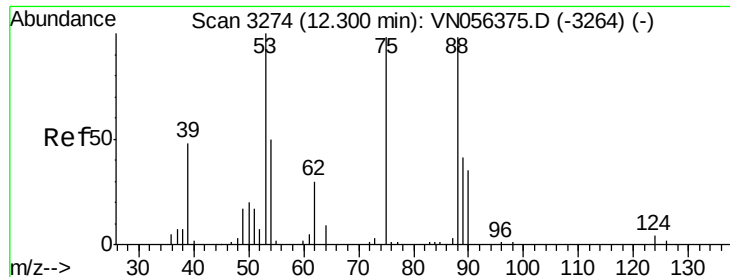
105 100

120 48.6 24.8 74.4



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





#81

trans-1,4-Dichloro-2-butene

Concen: 21.321 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN056668.D

Acq: 11 Jul 2019 16:32

Instrument :

MSVOA_N

ClientSampleId :

VN0712WBS01

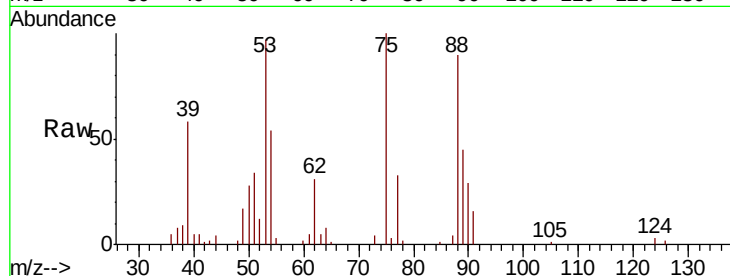
Tot Ion: 75 Resp: 22697

Ion Ratio Lower Upper

75 100

53 101.8 83.9 125.9

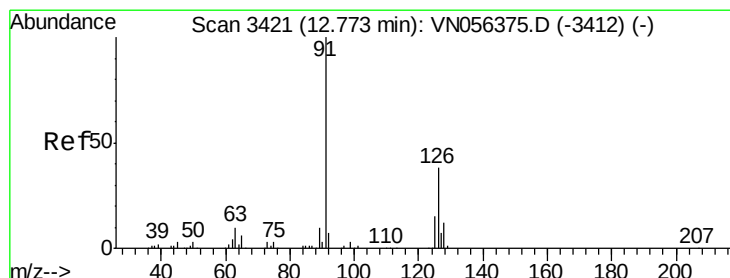
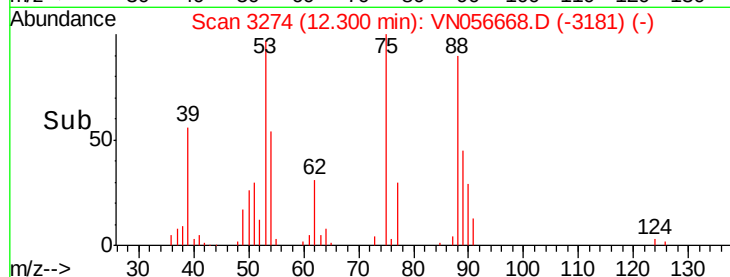
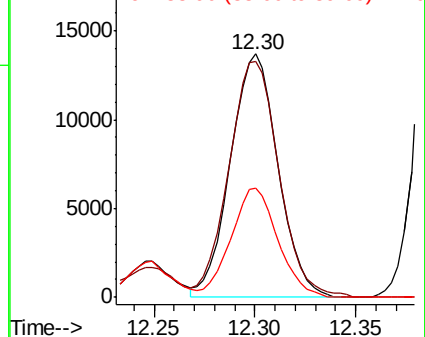
89 44.1 35.0 52.6



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 18.158 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN056668.D

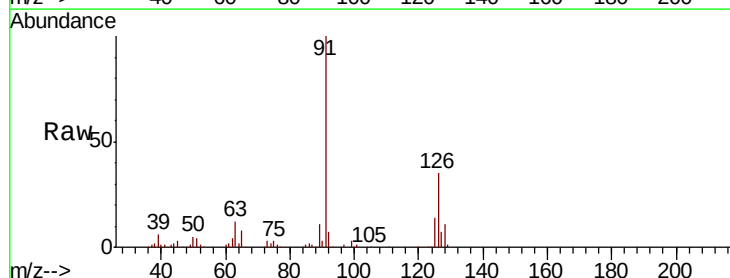
Acq: 11 Jul 2019 16:32

Tgt Ion: 91 Resp: 179149

Ion Ratio Lower Upper

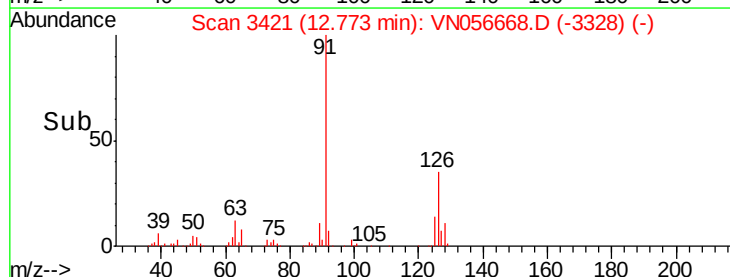
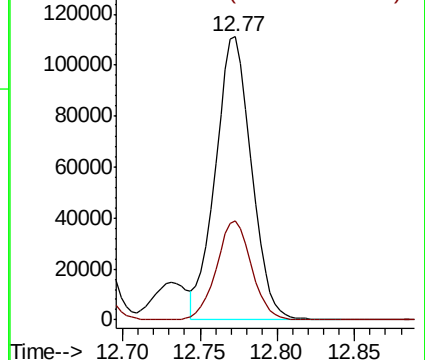
91 100

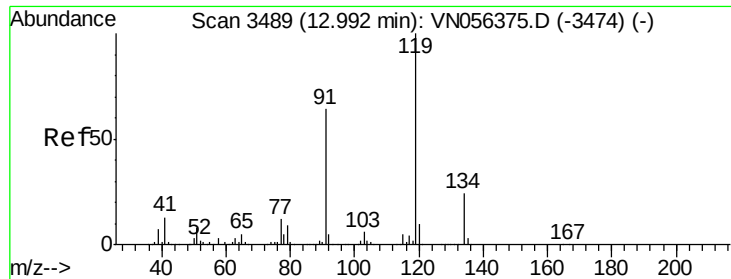
126 34.2 17.3 52.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

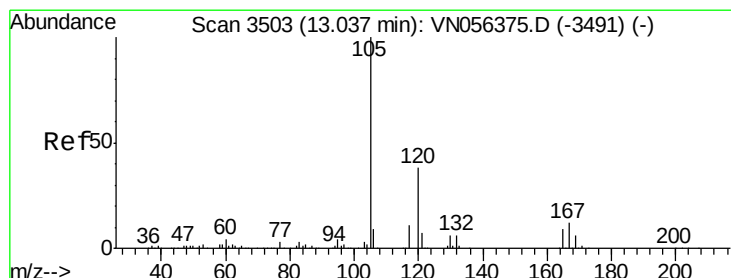
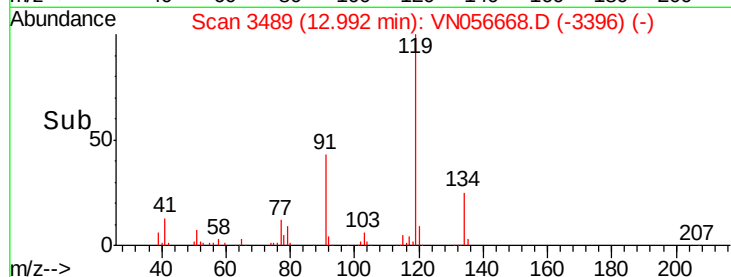
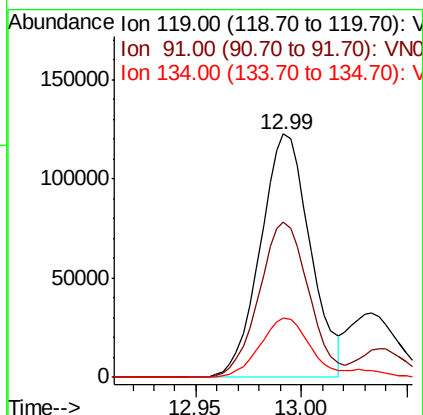
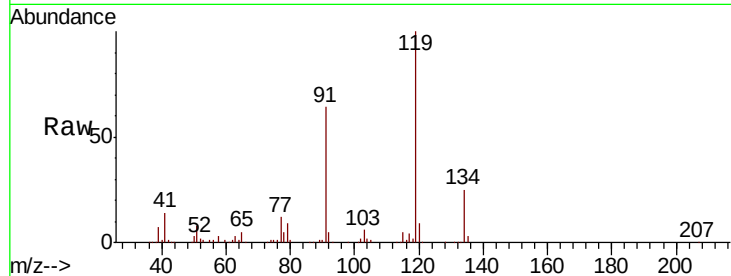




#83
 tert-Butylbenzene
 Concen: 18.444 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN056668.D
 Acq: 11 Jul 2019 16:32

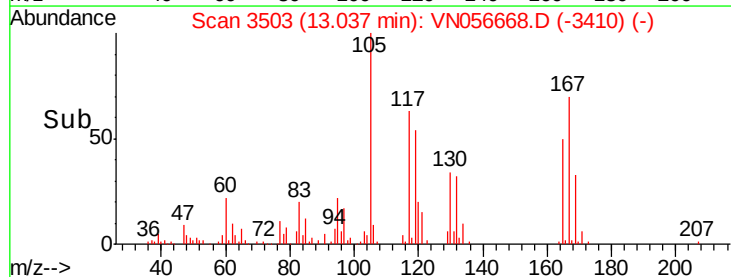
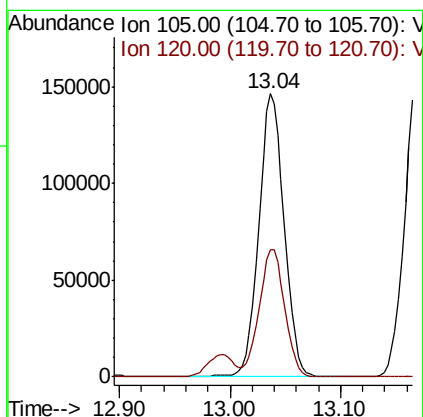
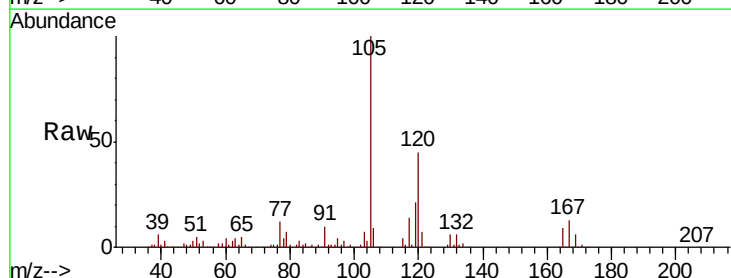
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0712WBS01

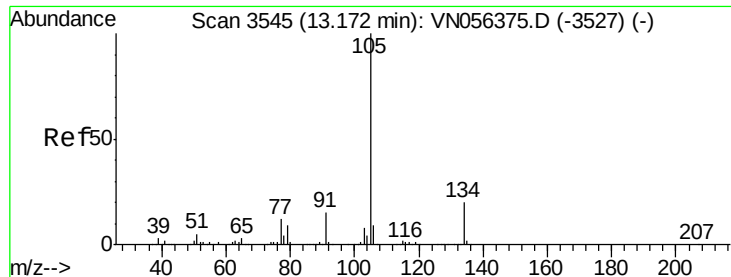
Tot Ion:119 Resp: 201985
 Ion Ratio Lower Upper
 119 100
 91 63.5 31.6 94.7
 134 24.3 13.2 39.5



#84
 1,2,4-Trimethylbenzene
 Concen: 18.911 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN056668.D
 Acq: 11 Jul 2019 16:32

Tgt Ion:105 Resp: 232301
 Ion Ratio Lower Upper
 105 100
 120 45.3 22.9 68.8





#85

sec-Butylbenzene

Concen: 17.814 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN056668.D

Acq: 11 Jul 2019 16:32

Instrument :

MSVOA_N

ClientSampleId :

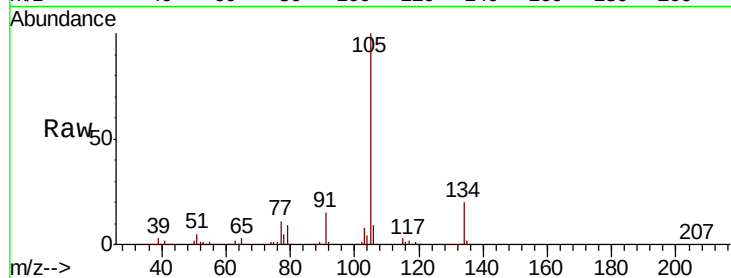
VN0712WBS01

Tot Ion:105 Resp: 261630

Ion Ratio Lower Upper

105 100

134 19.9 10.2 30.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

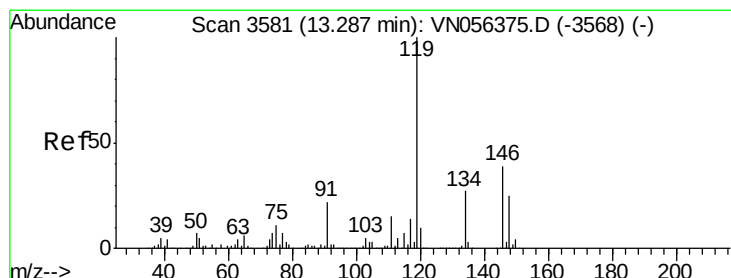
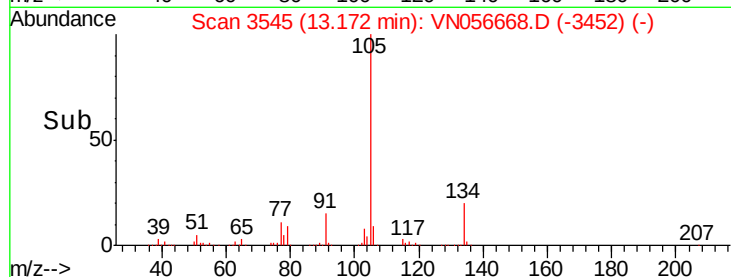
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 18.519 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056668.D

Acq: 11 Jul 2019 16:32

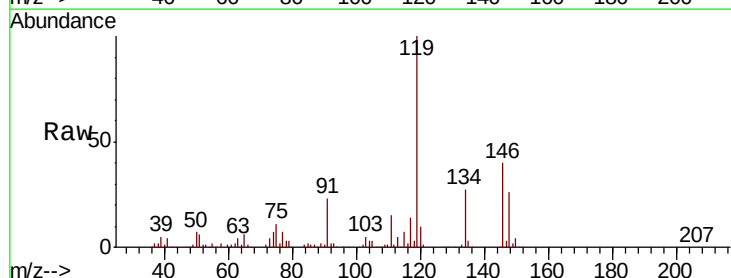
Tgt Ion:119 Resp: 233428

Ion Ratio Lower Upper

119 100

134 26.8 13.5 40.4

91 23.3 11.2 33.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

200000

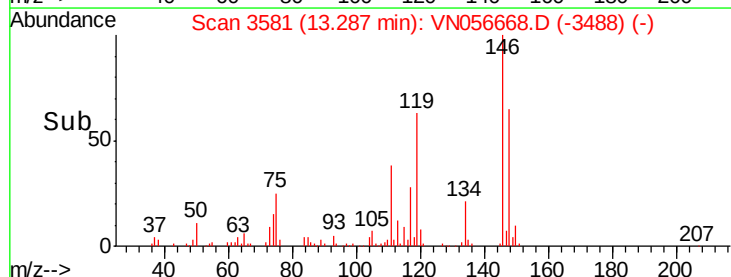
150000

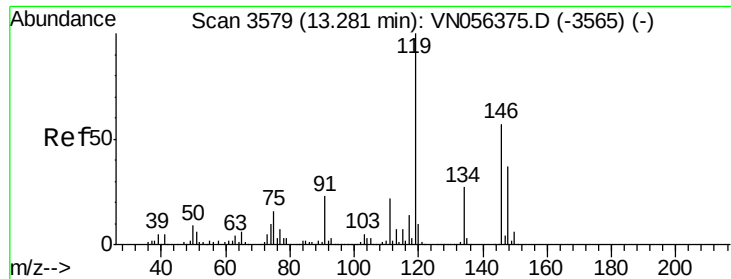
100000

50000

0

Time-->

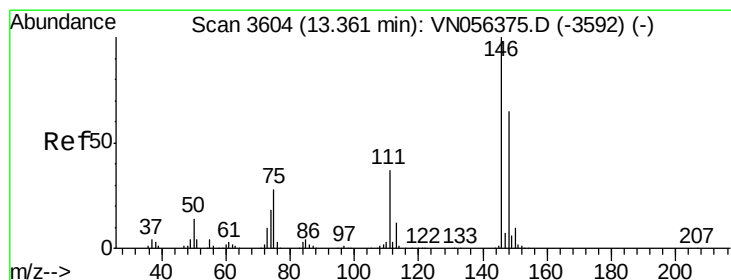
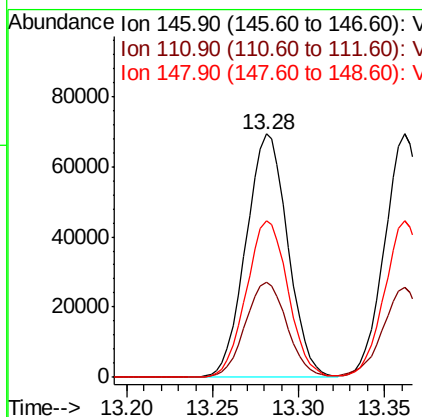
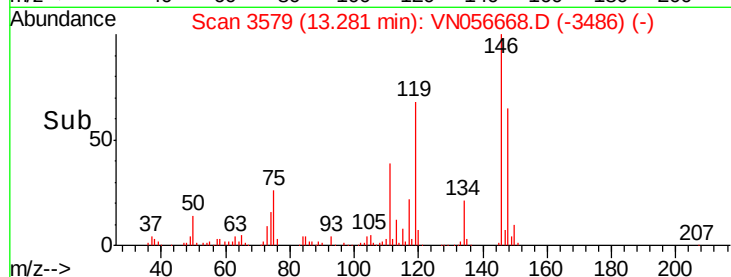
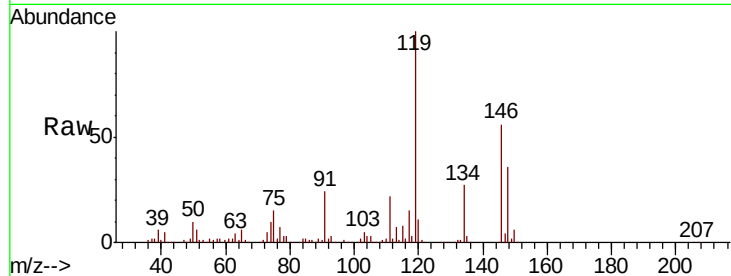




#87
 1,3-Dichlorobenzene
 Concen: 18.891 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056668.D
 Acq: 11 Jul 2019 16:32

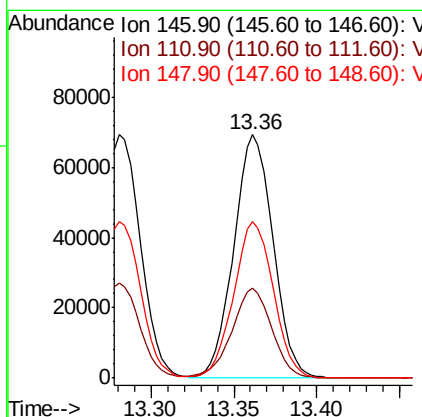
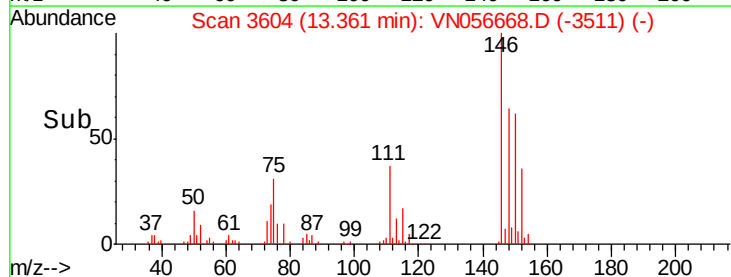
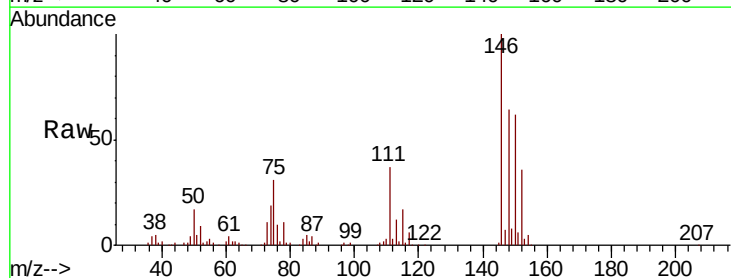
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0712WBS01

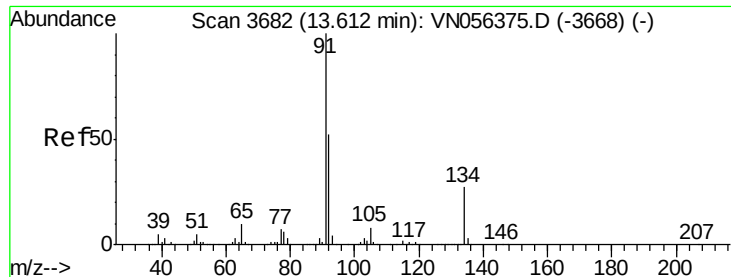
Tot Ion:146 Resp: 116804
 Ion Ratio Lower Upper
 146 100
 111 39.0 18.9 56.9
 148 64.2 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 19.123 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056668.D
 Acq: 11 Jul 2019 16:32

Tgt Ion:146 Resp: 114515
 Ion Ratio Lower Upper
 146 100
 111 37.5 18.4 55.4
 148 64.7 32.4 97.0





#89

n-Butylbenzene

Concen: 19.278 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN056668.D

Acq: 11 Jul 2019 16:32

Instrument :

MSVOA_N

ClientSampled :

VN0712WBS01

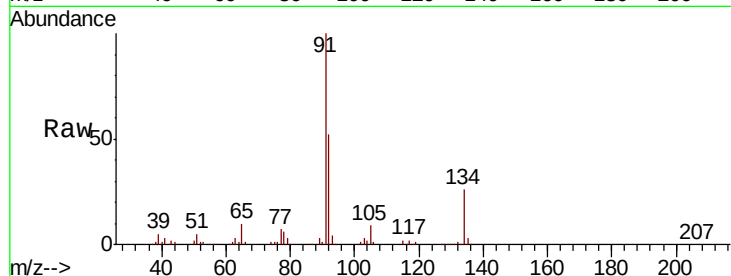
Tot Ion: 91 Resp: 183945

Ion Ratio Lower Upper

91 100

92 52.3 26.2 78.5

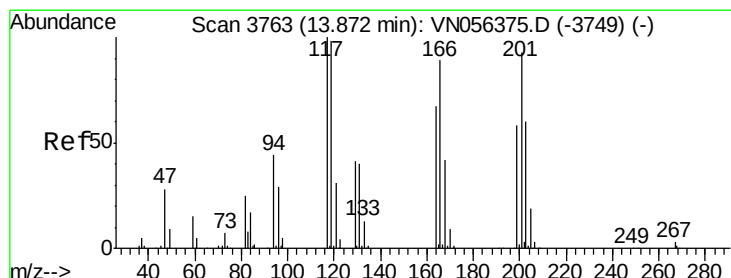
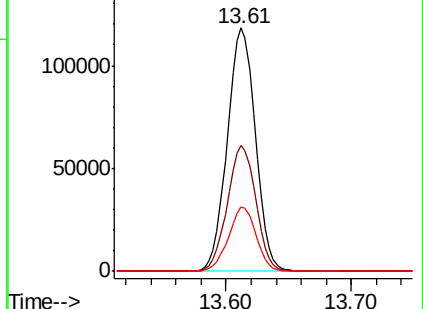
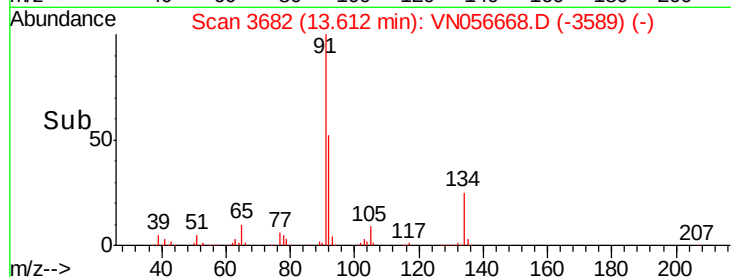
134 25.9 13.4 40.2



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

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

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



#90

Hexachloroethane

Concen: 18.455 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN056668.D

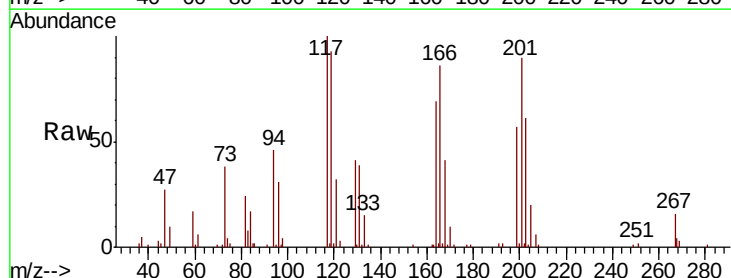
Acq: 11 Jul 2019 16:32

Tgt Ion: 117 Resp: 36265

Ion Ratio Lower Upper

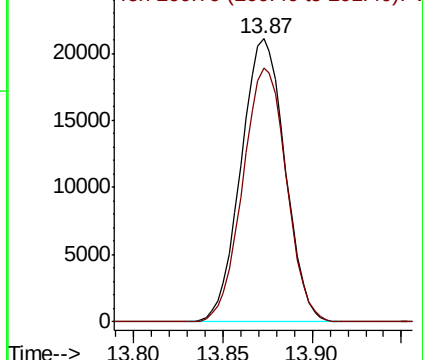
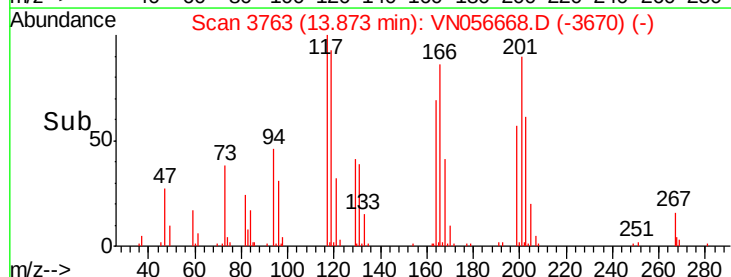
117 100

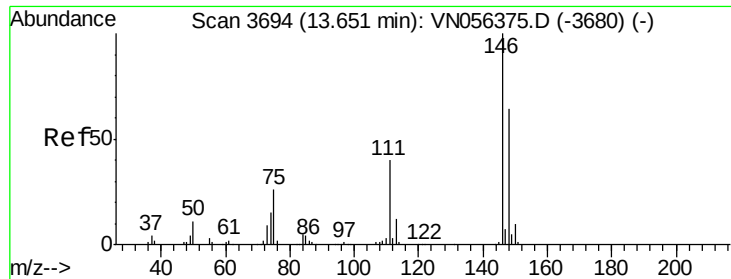
201 89.1 45.9 137.6



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

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

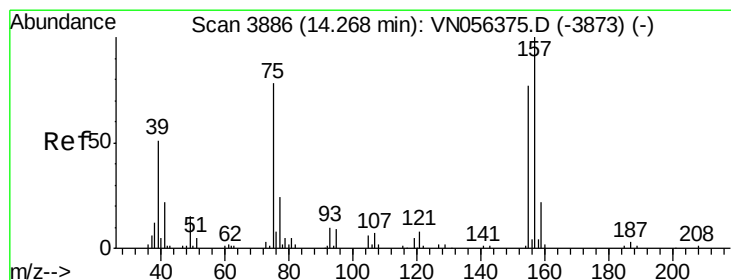
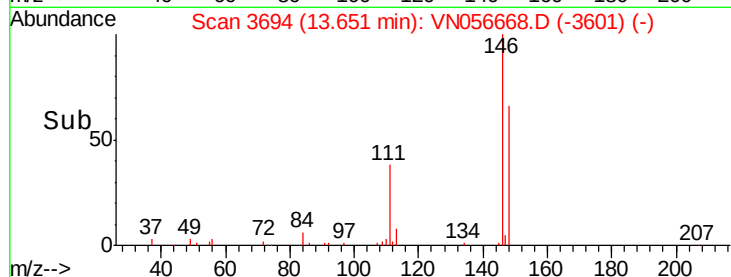
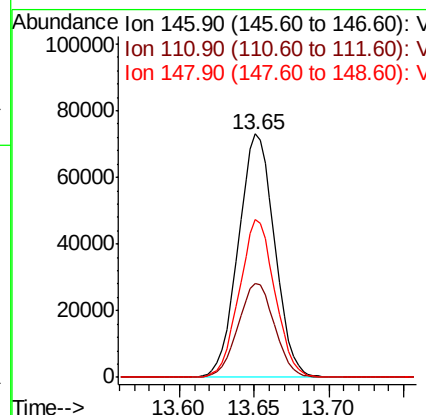
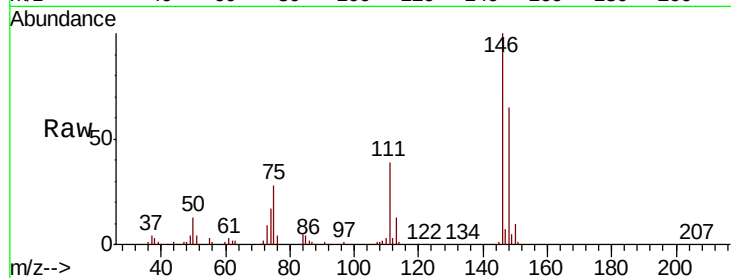




#91
 1,2-Dichlorobenzene
 Concen: 20.087 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN056668.D
 Acq: 11 Jul 2019 16:32

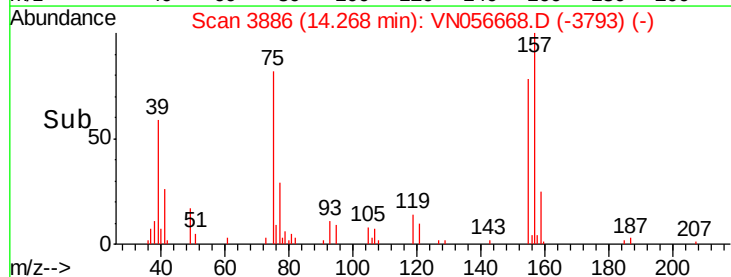
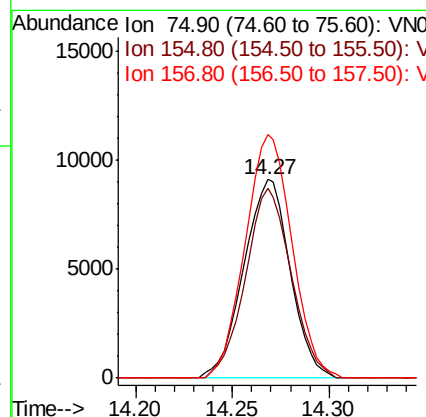
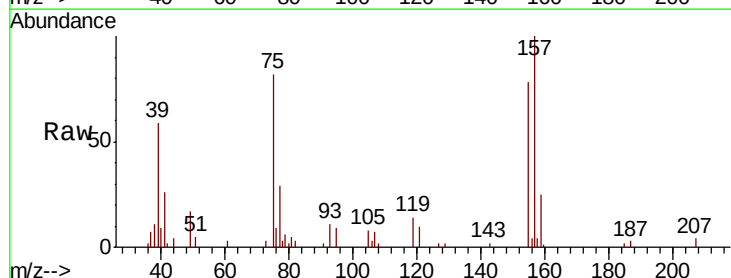
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0712WBS01

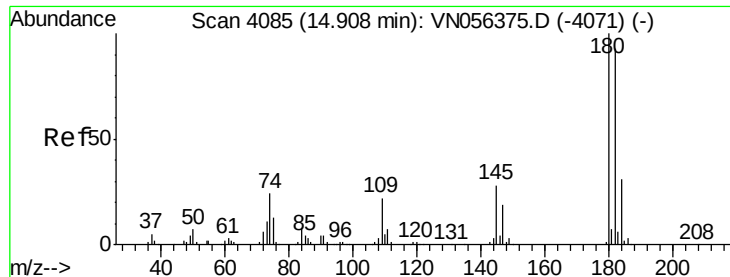
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.3	57.9
148	63.4	32.0	96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.482 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN056668.D
 Acq: 11 Jul 2019 16:32

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.9	48.9	146.8
157	123.7	62.9	188.8

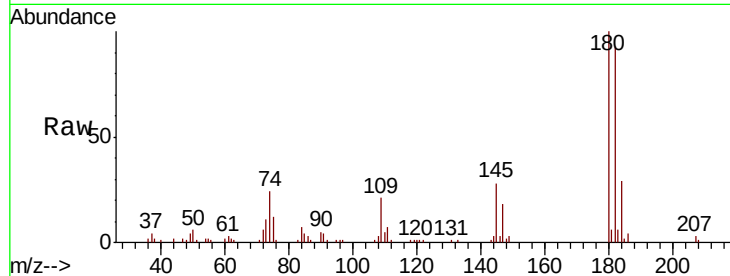




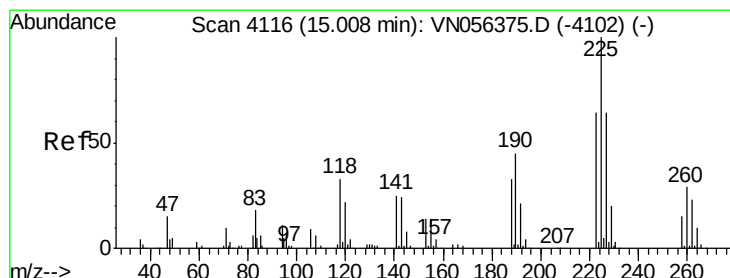
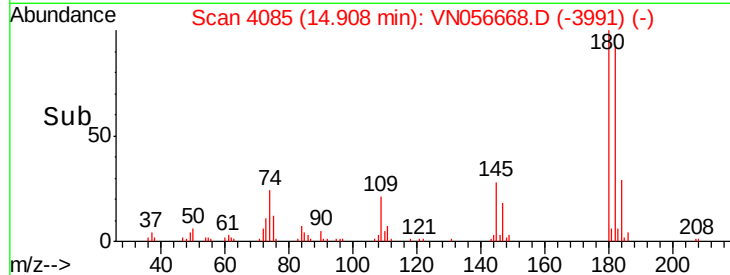
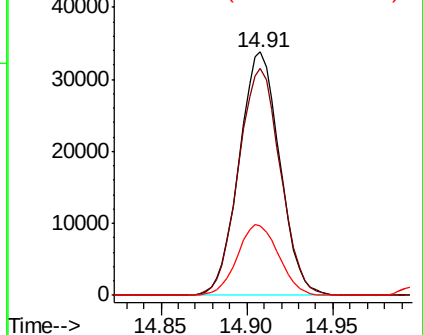
#93
 1,2,4-Trichlorobenzene
 Concen: 21.026 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056668.D
 Acq: 11 Jul 2019 16:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0712WBS01

Tot Ion:180 Resp: 55462
 Ion Ratio Lower Upper
 180 100
 182 95.7 46.9 140.6
 145 29.4 14.4 43.0

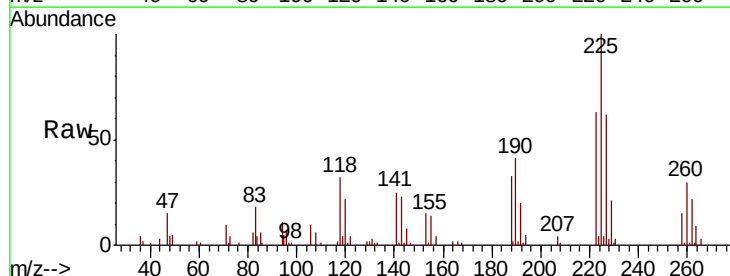


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

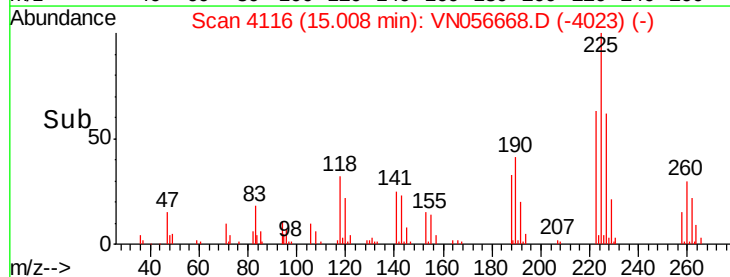
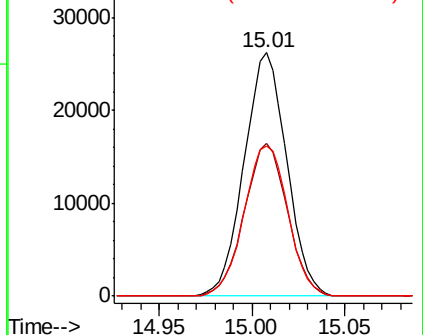


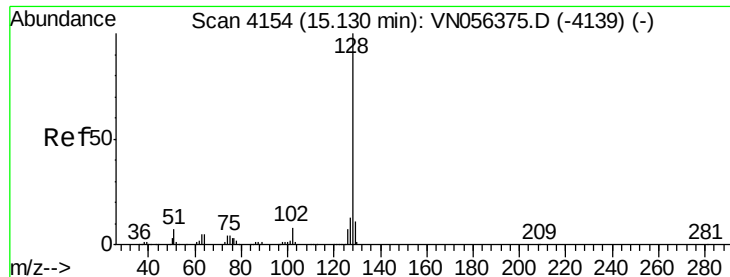
#94
 Hexachlorobutadiene
 Concen: 18.939 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056668.D
 Acq: 11 Jul 2019 16:32

Tgt Ion:225 Resp: 41799
 Ion Ratio Lower Upper
 225 100
 223 63.5 31.4 94.3
 227 63.8 32.1 96.3



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

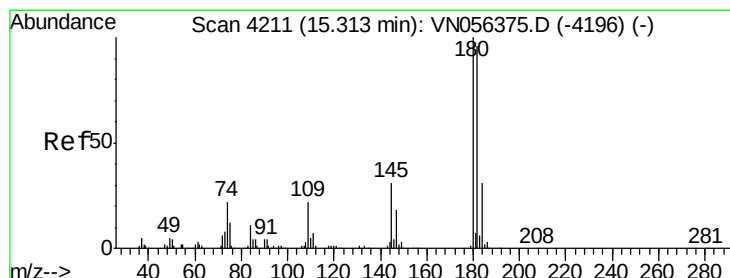
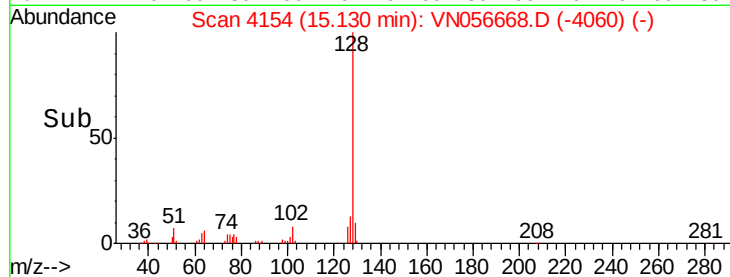
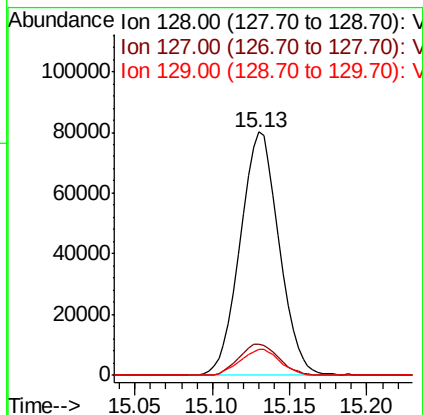
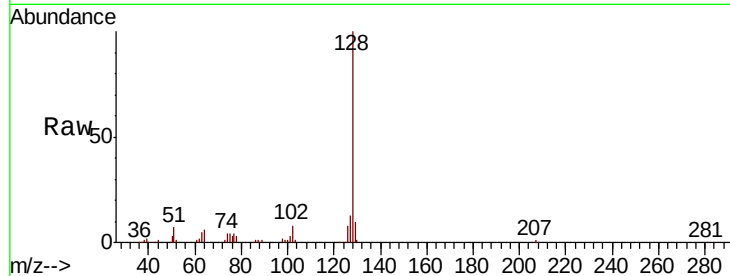




#95
Naphthalene
Concen: 20.279 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN056668.D
Acq: 11 Jul 2019 16:32

Instrument :
MSVOA_N
ClientSampled :
VN0712WBS01

Tot Ion:128 Resp: 140231
Ion Ratio Lower Upper
128 100
127 13.1 10.2 15.2
129 10.8 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 20.723 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. -0.00 min
Lab File: VN056668.D
Acq: 11 Jul 2019 16:32

Tgt Ion:180 Resp: 59056
Ion Ratio Lower Upper
180 100
182 97.9 48.3 144.8
145 30.7 15.4 46.1

