

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061719\
 Data File : VN056336.D
 Acq On : 17 Jun 2019 13:35
 Operator : JC/SP
 Sample : VN0617WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0617WBS01

Quant Time: Jun 18 05:07:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 18 04:23:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	352480	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	549191	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	481872	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	183562	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	210553	53.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.26%	
35) Dibromofluoromethane	7.59	113	181270	51.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.94%	
50) Toluene-d8	10.09	98	683706	50.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.64%	
62) 4-Bromofluorobenzene	12.40	95	223285	50.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.16%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	67214	21.689	ug/l	97
3) Chloromethane	2.06	50	88589	21.320	ug/l	99
4) Vinyl Chloride	2.18	62	83784	20.517	ug/l	98
5) Bromomethane	2.54	94	52740m	22.202	ug/l	
6) Chloroethane	2.69	64	49148	20.779	ug/l	100
7) Trichlorofluoromethane	3.01	101	105289	20.188	ug/l	98
8) Diethyl Ether	3.40	74	42354	20.474	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	67457	19.998	ug/l	99
10) Methyl Iodide	3.94	142	84024	19.465	ug/l	99
11) Tert butyl alcohol	4.81	59	58906	94.454	ug/l #	85
12) 1,1-Dichloroethene	3.72	96	65329	19.972	ug/l	98
13) Acrolein	3.60	56	18905	107.751	ug/l	98
14) Allyl chloride	4.31	41	105148	19.167	ug/l	97
15) Acrylonitrile	4.99	53	183238	102.804	ug/l	99
16) Acetone	3.82	43	190884	87.162	ug/l	98
17) Carbon Disulfide	4.04	76	156004	17.824	ug/l	100
18) Methyl Acetate	4.33	43	82434	20.543	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	204590	20.508	ug/l	98
20) Methylene Chloride	4.54	84	77576	20.061	ug/l	99
21) trans-1,2-Dichloroethene	5.03	96	69065	19.850	ug/l	99
22) Diisopropyl ether	5.96	45	217760	20.193	ug/l	99
23) Vinyl Acetate	5.90	43	897995	102.352	ug/l	100
24) 1,1-Dichloroethane	5.85	63	127893	20.229	ug/l	98
25) 2-Butanone	6.85	43	253736	95.589	ug/l	100
26) 2,2-Dichloropropane	6.82	77	82829	18.117	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	80458	19.965	ug/l	99
28) Bromochloromethane	7.19	49	64611	20.407	ug/l	98
29) Tetrahydrofuran	7.22	42	163787	103.877	ug/l	99
30) Chloroform	7.37	83	127420	20.232	ug/l	98
31) Cyclohexane	7.65	56	123081	20.149	ug/l	93
32) 1,1,1-Trichloroethane	7.57	97	98569	18.895	ug/l	99
36) 1,1-Dichloropropene	7.79	75	93438	18.907	ug/l	99
37) Ethyl Acetate	6.94	43	95708	20.435	ug/l	99
38) Carbon Tetrachloride	7.77	117	85678	18.062	ug/l	98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	115712	19.195	ug/l	100
40) Benzene	8.04	78	297176	19.823	ug/l	100
41) Methacrylonitrile	7.17	41	38208	17.766	ug/l	86
42) 1,2-Dichloroethane	8.13	62	99051	20.147	ug/l	99
43) Isopropyl Acetate	8.17	43	143321	19.130	ug/l	99
44) Trichloroethene	8.83	130	79346	19.462	ug/l	98
45) 1,2-Dichloropropane	9.12	63	78913	19.917	ug/l	100
46) Dibromomethane	9.21	93	50613	19.223	ug/l	99
47) Bromodichloromethane	9.40	83	89840	17.860	ug/l	99
48) Methyl methacrylate	9.20	41	71259	18.852	ug/l	98
49) 1,4-Dioxane	9.20	88	30045	394.030	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	466760	97.753	ug/l	100
52) Toluene	10.16	92	183671	20.072	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	87217	17.462	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	106113	18.419	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	73607	19.573	ug/l	99
56) Ethyl methacrylate	10.43	69	104929	19.402	ug/l	98
57) 1,3-Dichloropropane	10.71	76	124635	19.676	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	163676	91.624	ug/l	98
59) 2-Hexanone	10.75	43	338841	95.683	ug/l	99
60) Dibromochloromethane	10.90	129	68339	17.326	ug/l	99
61) 1,2-Dibromoethane	11.01	107	74875	19.369	ug/l	98
64) Tetrachloroethene	10.63	164	76180	19.278	ug/l	97
65) Chlorobenzene	11.43	112	196548	20.090	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	66429	18.188	ug/l	99
67) Ethyl Benzene	11.51	91	338410	20.096	ug/l	99
68) m/p-Xylenes	11.62	106	253869	40.505	ug/l	100
69) o-Xylene	11.95	106	127382	20.618	ug/l	98
70) Styrene	11.96	104	199437	19.994	ug/l	98
71) Bromoform	12.13	173	46349	16.329	ug/l #	100
73) Isopropylbenzene	12.25	105	329507	22.022	ug/l	100
74) N-amyl acetate	12.07	43	114555	19.859	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	102726	21.906	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	90269m	23.017	ug/l	
77) Bromobenzene	12.53	156	85229	21.626	ug/l	100
78) n-propylbenzene	12.59	91	339710	20.617	ug/l	100
79) 2-Chlorotoluene	12.67	91	214074	21.544	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	267697	20.904	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	20176	15.983	ug/l #	82
82) 4-Chlorotoluene	12.77	91	198443	20.517	ug/l	99
83) tert-Butylbenzene	12.99	119	236862	22.035	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	252856	21.203	ug/l	99
85) sec-Butylbenzene	13.17	105	300683	20.806	ug/l	100
86) p-Isopropyltoluene	13.29	119	256918	20.769	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	126471	20.242	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	120192	20.020	ug/l	99
89) n-Butylbenzene	13.61	91	174971	18.919	ug/l	99
90) Hexachloroethane	13.87	117	38959	16.903	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	128940	21.075	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	13961	17.602	ug/l	96

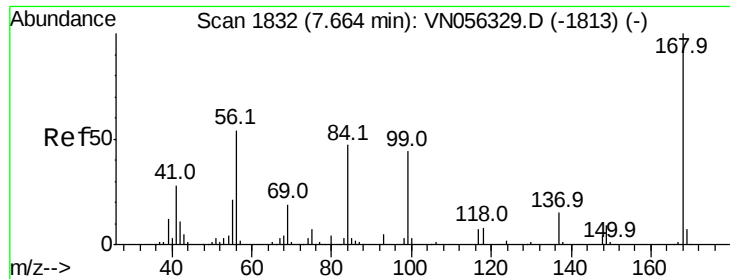
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061719\
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QLast Update : Tue Jun 18 04:23:59 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	42558	17.262	ug/l	99
94) Hexachlorobutadiene	15.01	225	46821	20.928	ug/l	99
95) Naphthalene	15.13	128	118372	17.442	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	50707	17.870	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN056336.D

Acq: 17 Jun 2019 13:35

Instrument :

MSVOA_N

ClientSampleId :

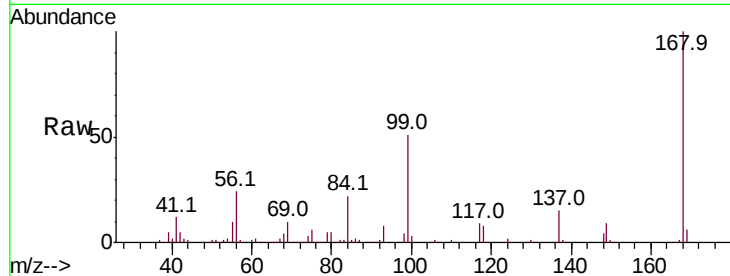
VN0617WBS01

Tot Ion:168 Resp: 352480

Ion Ratio Lower Upper

168 100

99 49.9 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN056329.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN056329.D (-1813) (-)

7.66

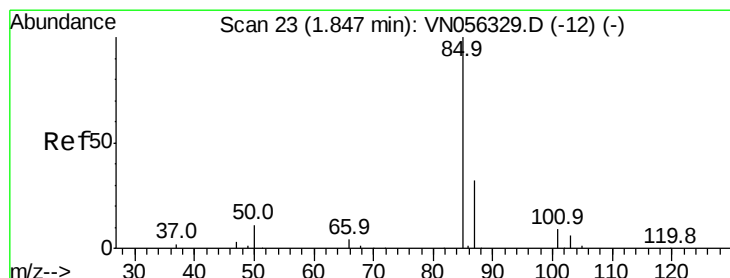
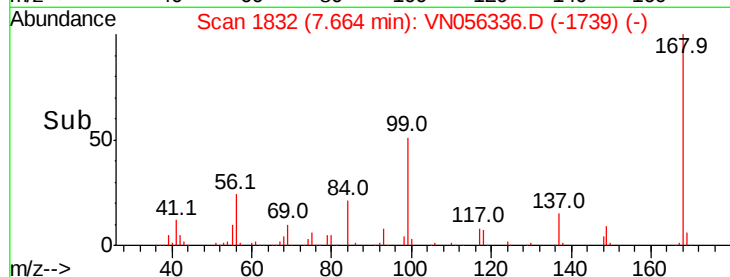
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 21.689 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN056336.D

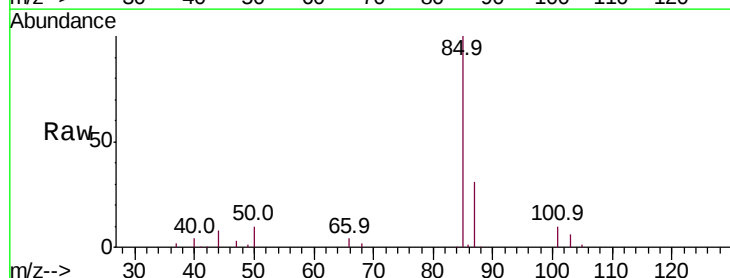
Acq: 17 Jun 2019 13:35

Tgt Ion: 85 Resp: 67214

Ion Ratio Lower Upper

85 100

87 30.6 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN056329.D (-12) (-)

Ion 86.90 (86.60 to 87.60): VN056329.D (-12) (-)

1.85

50000

40000

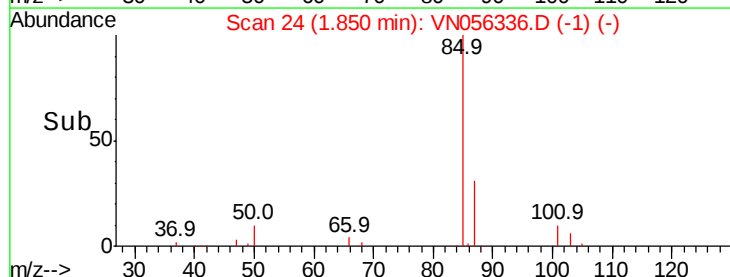
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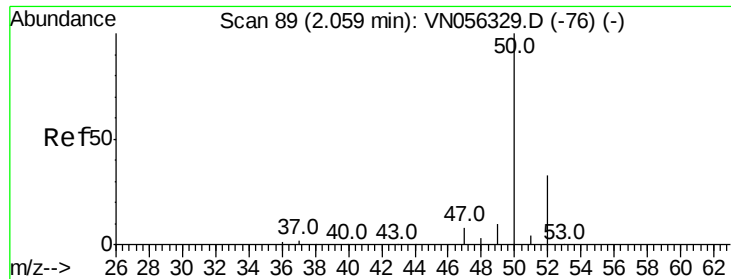
20000

10000

0

Time-->





#3

Chloromethane

Concen: 21.320 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN056336.D

Acq: 17 Jun 2019 13:35

Instrument :

MSVOA_N

ClientSampleId :

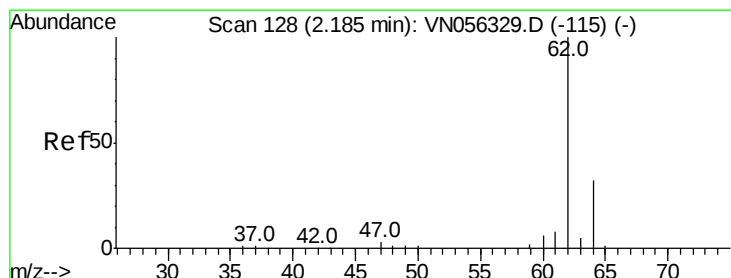
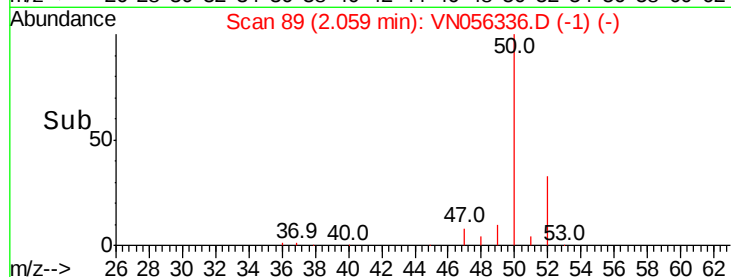
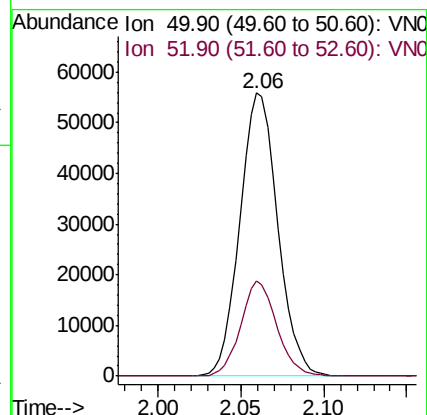
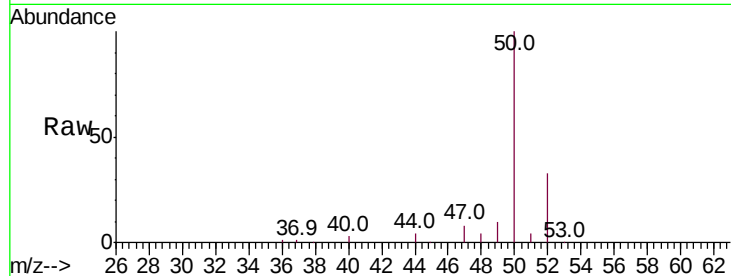
VN0617WBS01

Tot Ion: 50 Resp: 88589

Ion Ratio Lower Upper

50 100

52 33.5 26.3 39.5



#4

Vinyl Chloride

Concen: 20.517 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN056336.D

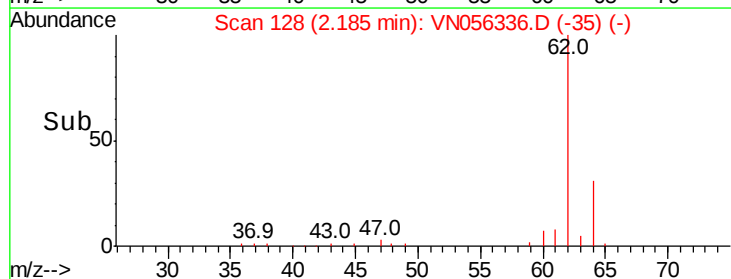
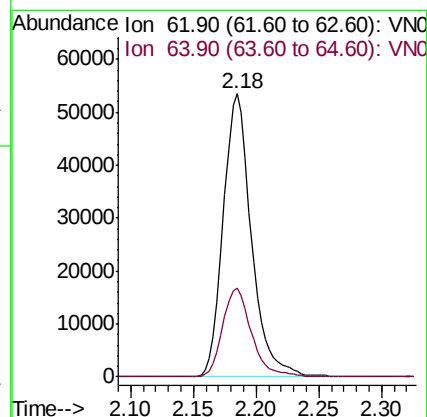
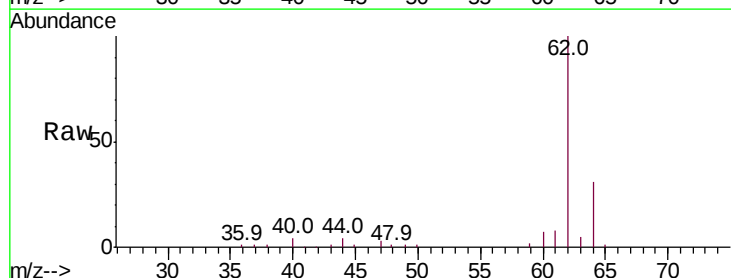
Acq: 17 Jun 2019 13:35

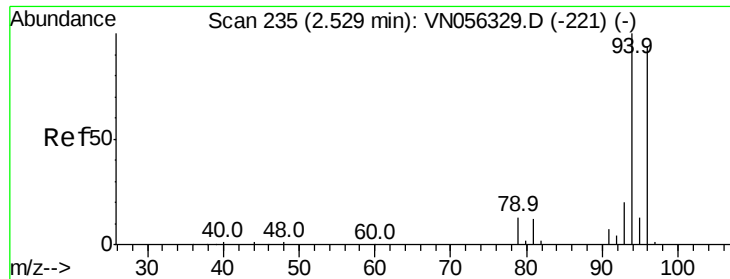
Tgt Ion: 62 Resp: 83784

Ion Ratio Lower Upper

62 100

64 31.3 25.7 38.5





#5

Bromomethane

Concen: 22.202 ug/l m

RT: 2.54 min Scan# 237

Delta R.T. 0.01 min

Lab File: VN056336.D

Acq: 17 Jun 2019 13:35

Instrument :

MSVOA_N

ClientSampleId :

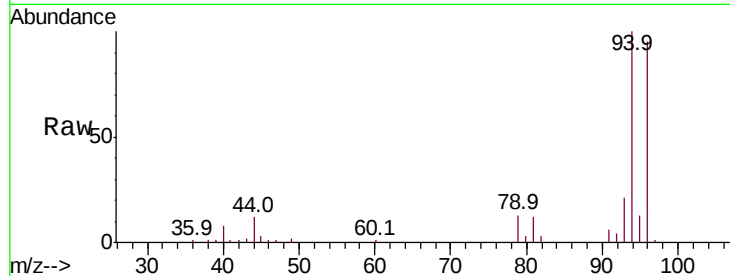
VN0617WBS01

Tot Ion: 94 Resp: 52740

Ion Ratio Lower Upper

94 100

96 94.5 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.54

25000

20000

15000

10000

5000

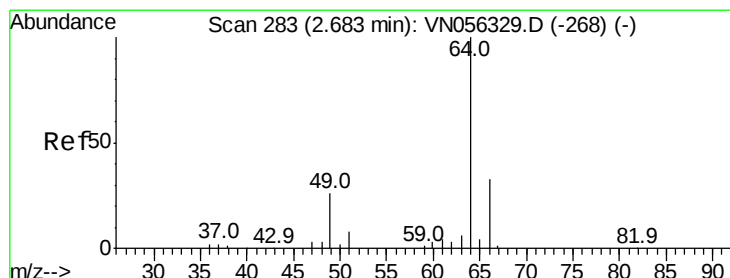
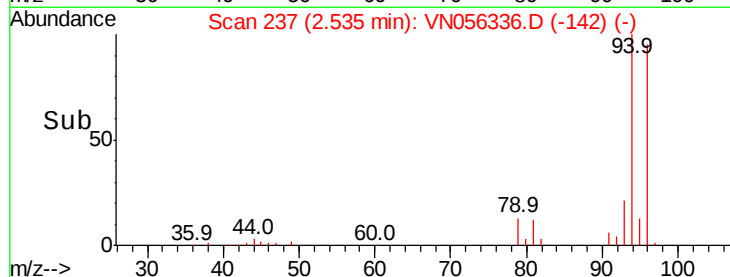
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Time-->

2.50

2.60

2.70



#6

Chloroethane

Concen: 20.779 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN056336.D

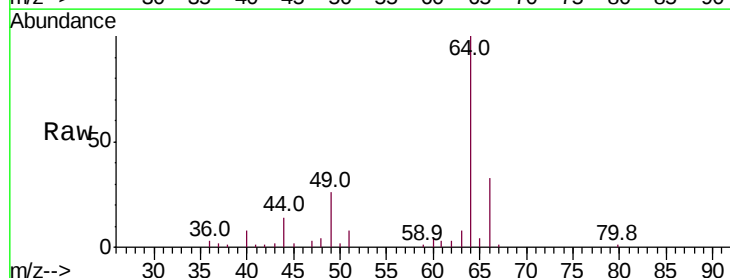
Acq: 17 Jun 2019 13:35

Tgt Ion: 64 Resp: 49148

Ion Ratio Lower Upper

64 100

66 33.0 26.3 39.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.69

25000

20000

15000

10000

5000

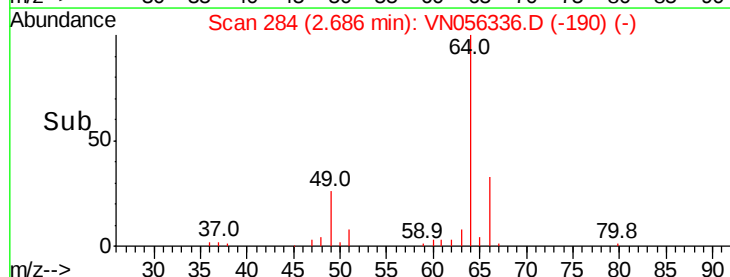
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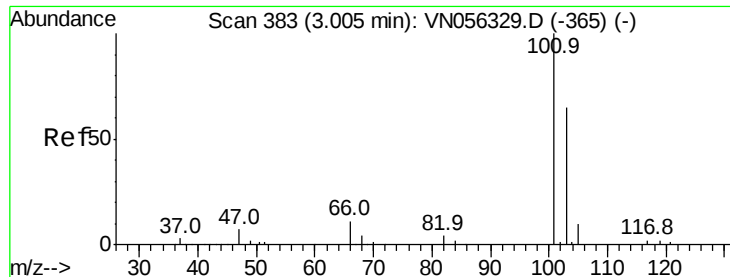
Time-->

2.60

2.70

2.80



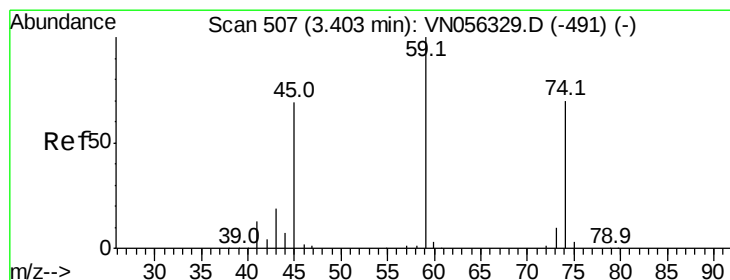
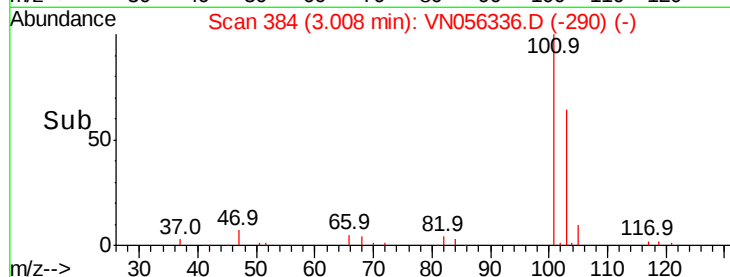
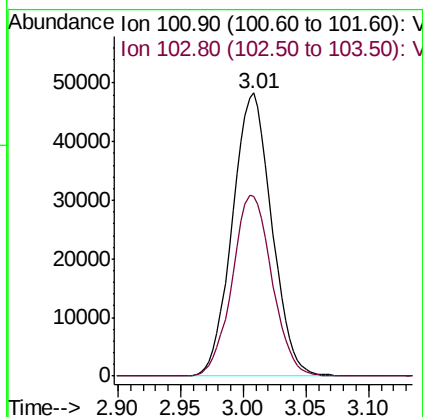
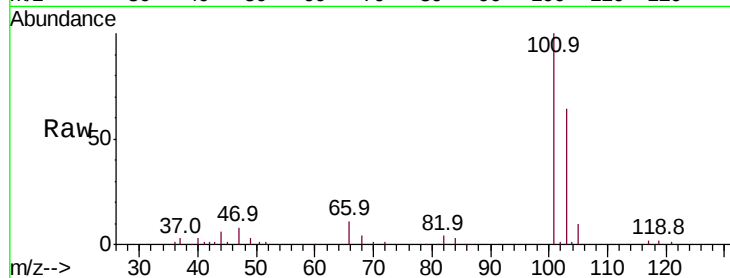


#7

Trichlorofluoromethane
Concen: 20.188 ug/l
RT: 3.01 min Scan# 384
Delta R.T. 0.00 min
Lab File: VN056336.D
Acq: 17 Jun 2019 13:35

Instrument :
MSVOA_N
ClientSampleId :
VN0617WBS01

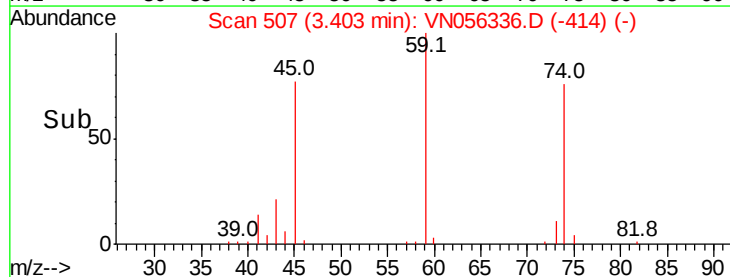
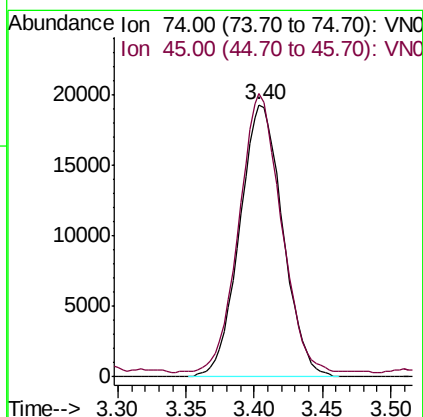
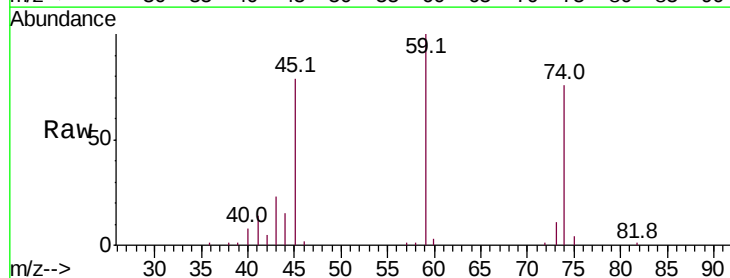
Tot Ion:101 Resp: 105289
Ion Ratio Lower Upper
101 100
103 63.7 52.1 78.1

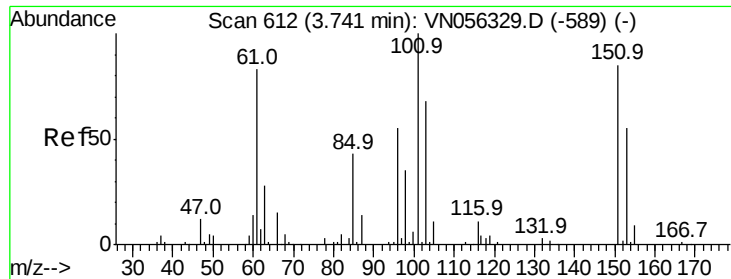


#8

Diethyl Ether
Concen: 20.474 ug/l
RT: 3.40 min Scan# 507
Delta R.T. -0.00 min
Lab File: VN056336.D
Acq: 17 Jun 2019 13:35

Tgt Ion: 74 Resp: 42354
Ion Ratio Lower Upper
74 100
45 99.5 49.0 147.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.998 ug/l

RT: 3.74 min Scan# 612

Delta R.T. -0.00 min

Lab File: VN056336.D

Acq: 17 Jun 2019 13:35

Instrument :

MSVOA_N

ClientSampleId :

VN0617WBS01

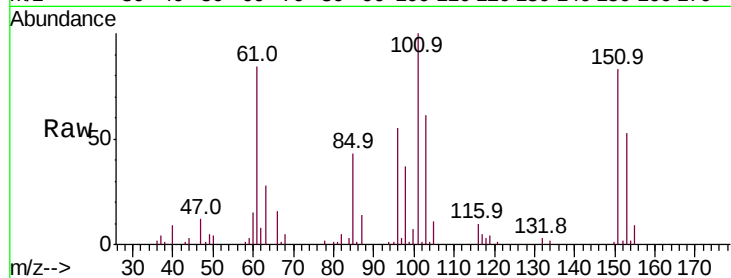
Tot Ion:101 Resp: 67457

Ion Ratio Lower Upper

101 100

85 42.4 33.8 50.8

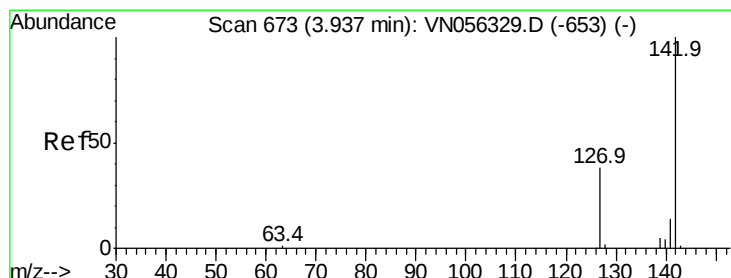
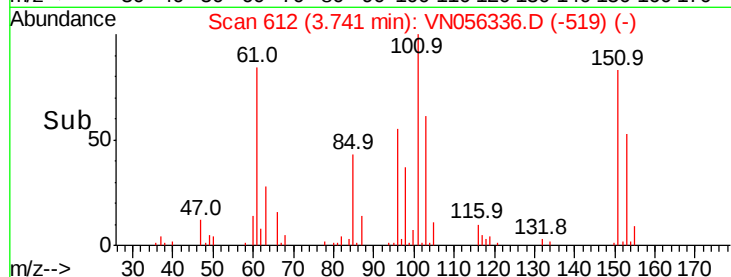
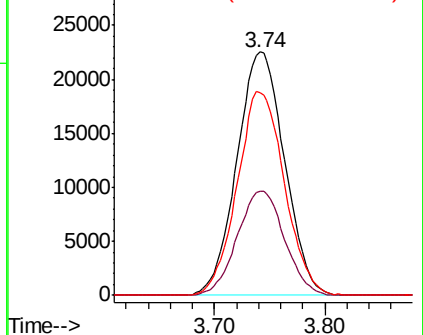
151 82.9 67.4 101.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.465 ug/l

RT: 3.94 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN056336.D

Acq: 17 Jun 2019 13:35

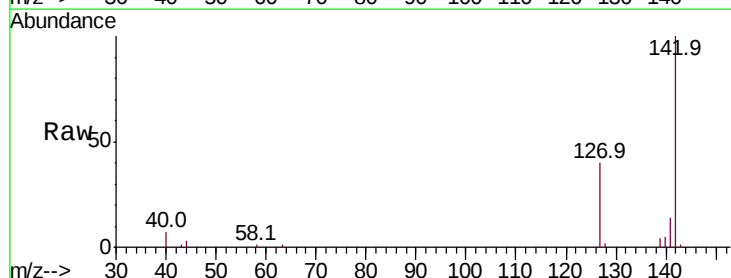
Tgt Ion:142 Resp: 84024

Ion Ratio Lower Upper

142 100

127 39.3 30.8 46.2

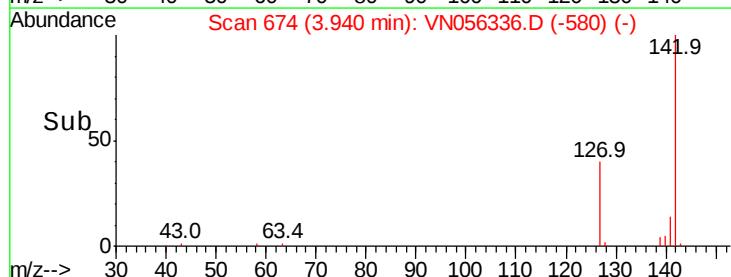
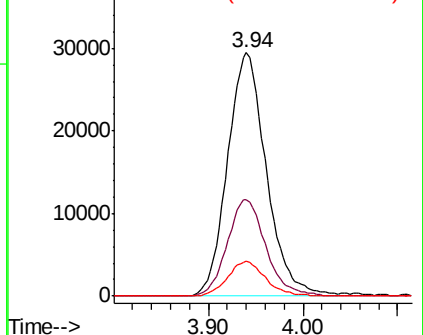
141 13.9 11.4 17.2

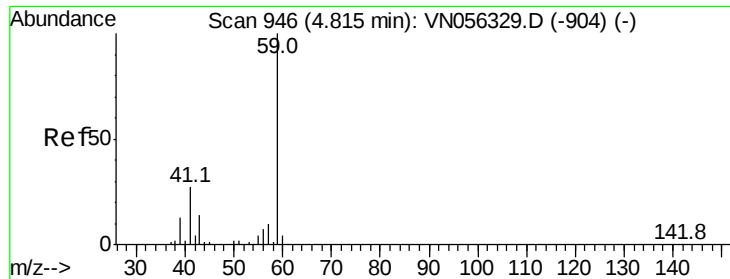


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



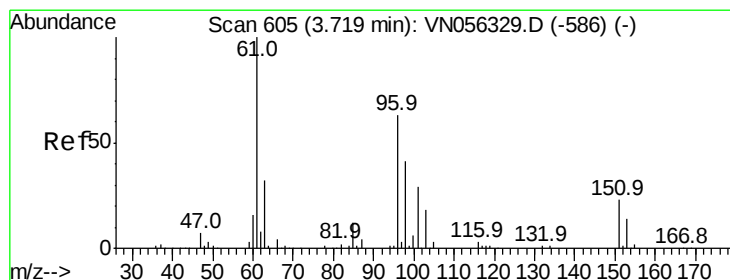
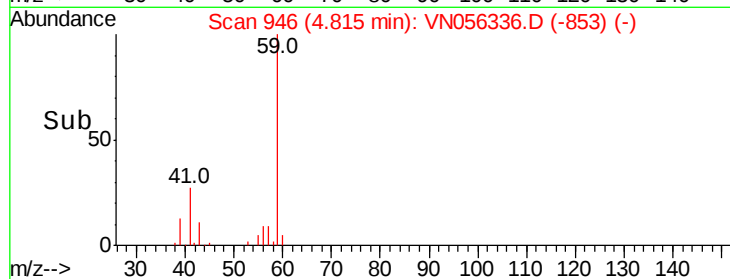
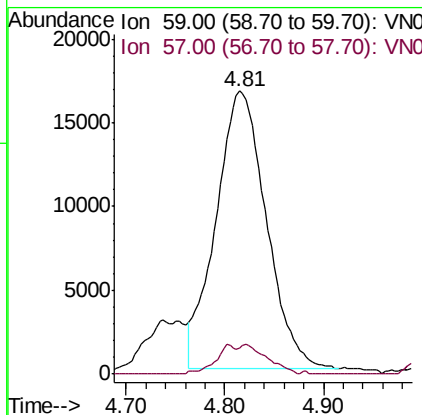
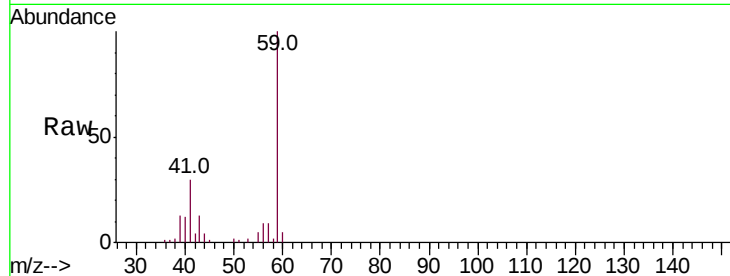


#11

Tert butyl alcohol
 Concen: 94.454 ug/l
 RT: 4.81 min Scan# 946
 Delta R.T. -0.00 min
 Lab File: VN056336.D
 Acq: 17 Jun 2019 13:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0617WBS01

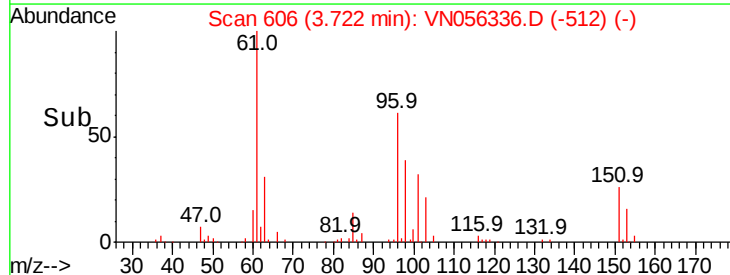
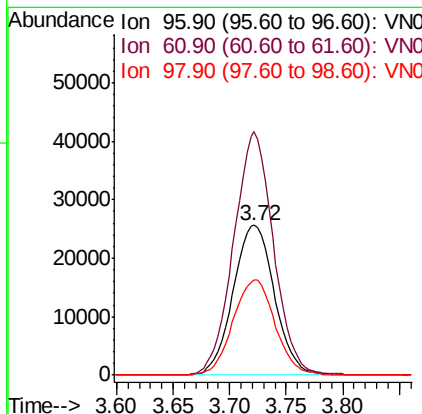
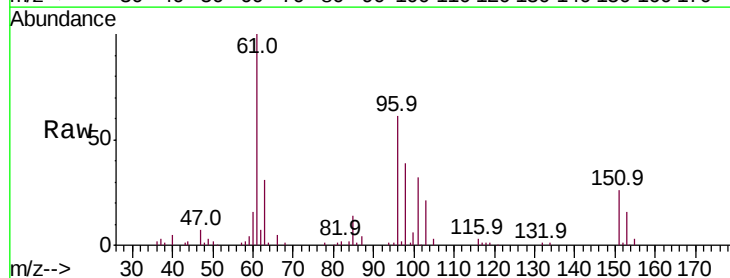
Tot Ion: 59 Resp: 58906
 Ion Ratio Lower Upper
 59 100
 57 4.4 7.8 11.8#

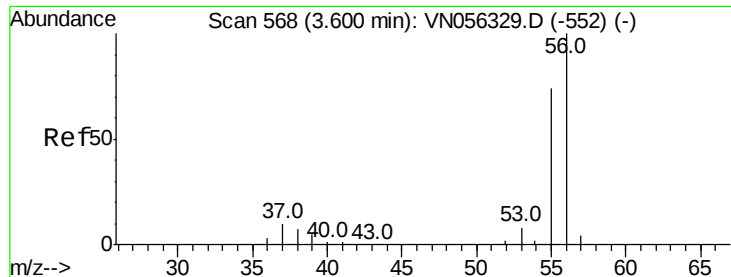


#12

1,1-Dichloroethene
 Concen: 19.972 ug/l
 RT: 3.72 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VN056336.D
 Acq: 17 Jun 2019 13:35

Tgt Ion: 96 Resp: 65329
 Ion Ratio Lower Upper
 96 100
 61 162.7 127.4 191.2
 98 63.7 51.7 77.5





#13

Acrolein

Concen: 107.751 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN056336.D

Acq: 17 Jun 2019 13:35

Instrument :

MSVOA_N

ClientSampleId :

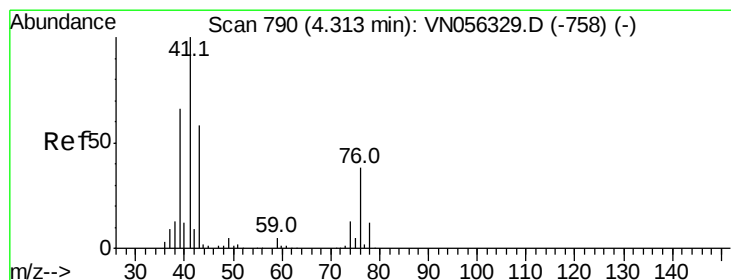
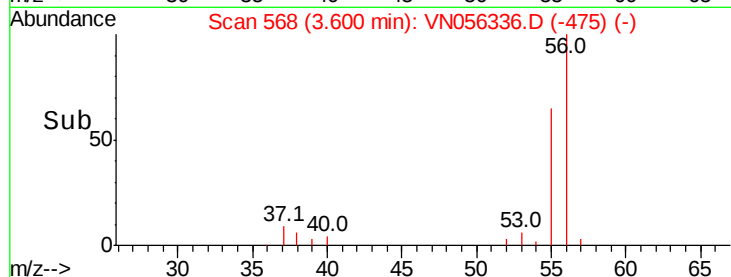
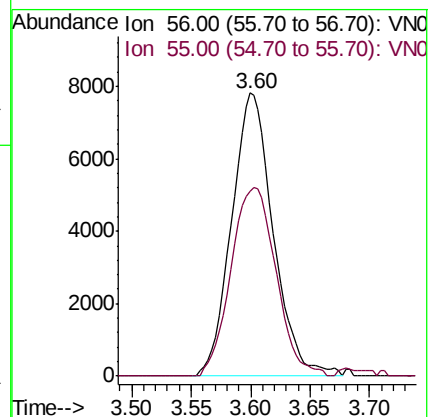
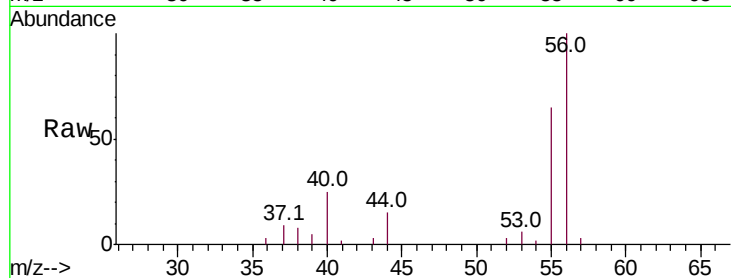
VN0617WBS01

Tot Ion: 56 Resp: 18905

Ion Ratio Lower Upper

56 100

55 72.4 56.4 84.6



#14

Allyl chloride

Concen: 19.167 ug/l

RT: 4.31 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN056336.D

Acq: 17 Jun 2019 13:35

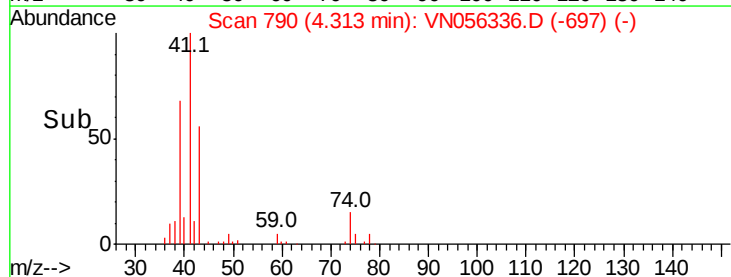
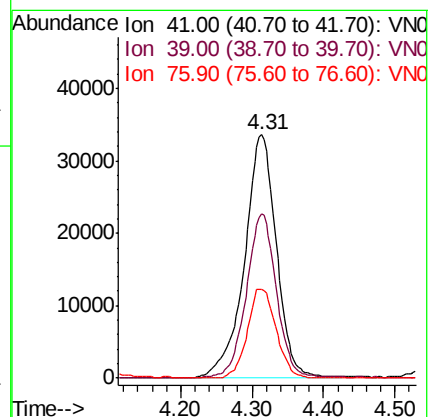
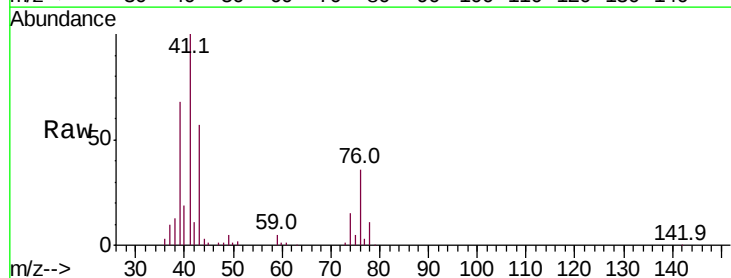
Tgt Ion: 41 Resp: 105148

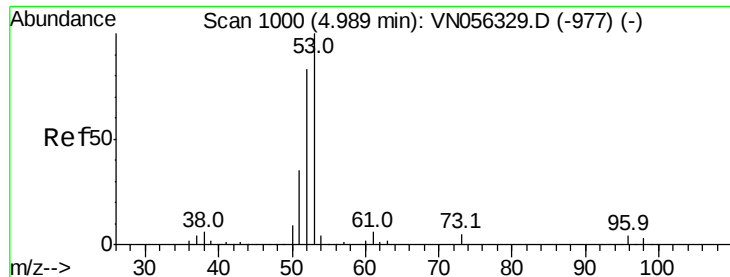
Ion Ratio Lower Upper

41 100

39 63.5 48.9 73.3

76 32.6 27.2 40.8





#15

Acrylonitrile

Concen: 102.804 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN056336.D

Acq: 17 Jun 2019 13:35

Instrument :

MSVOA_N

ClientSampleId :

VN0617WBS01

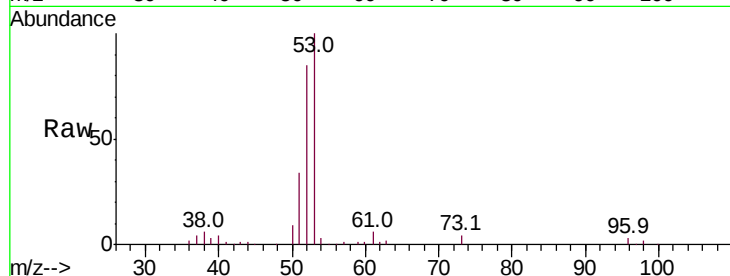
Tot Ion: 53 Resp: 183238

Ion Ratio Lower Upper

53 100

52 82.5 65.4 98.2

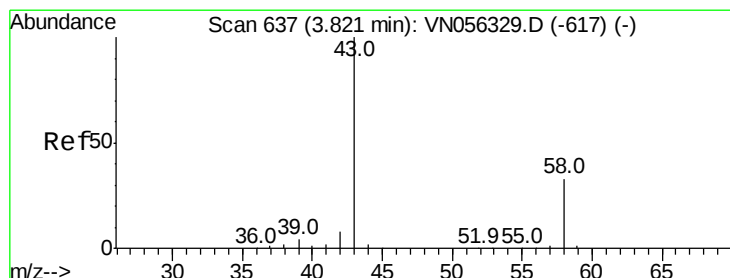
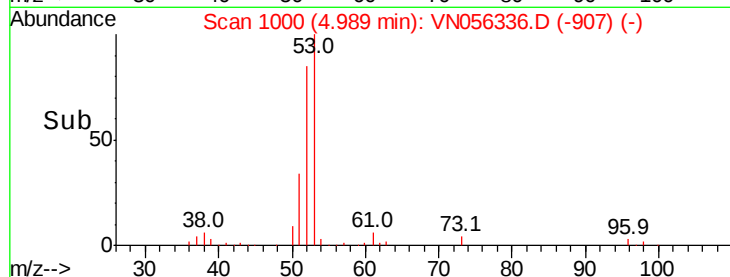
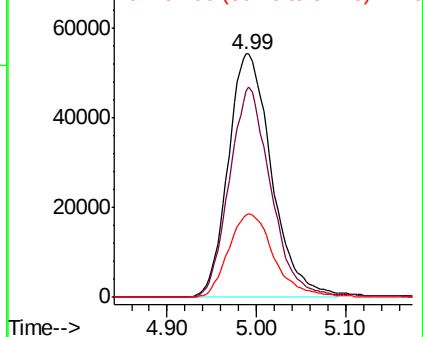
51 36.1 28.5 42.7



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 87.162 ug/l

RT: 3.82 min Scan# 637

Delta R.T. -0.00 min

Lab File: VN056336.D

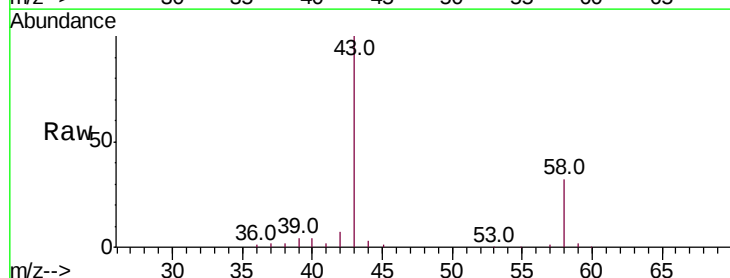
Acq: 17 Jun 2019 13:35

Tgt Ion: 43 Resp: 190884

Ion Ratio Lower Upper

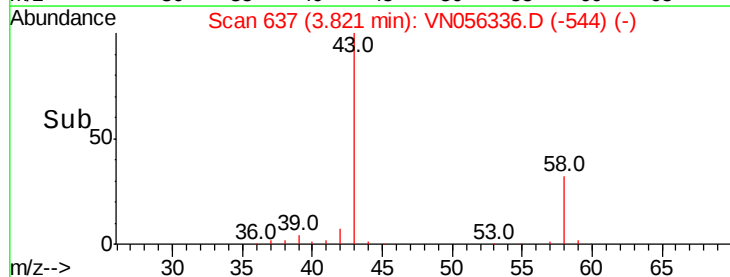
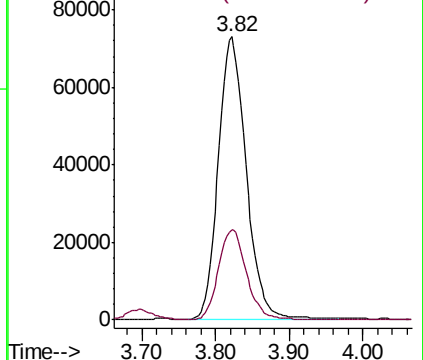
43 100

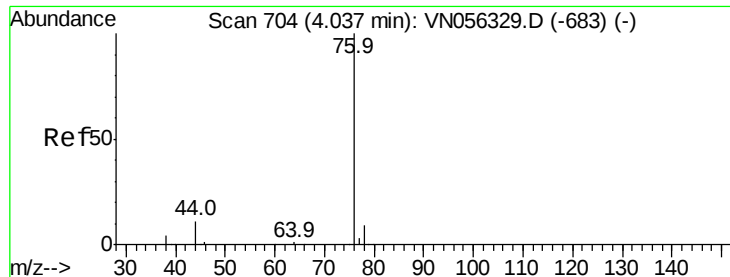
58 31.9 26.5 39.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

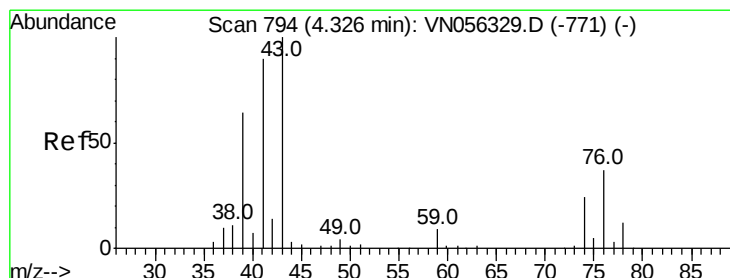
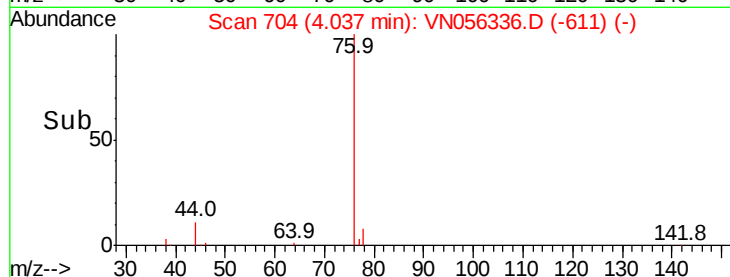
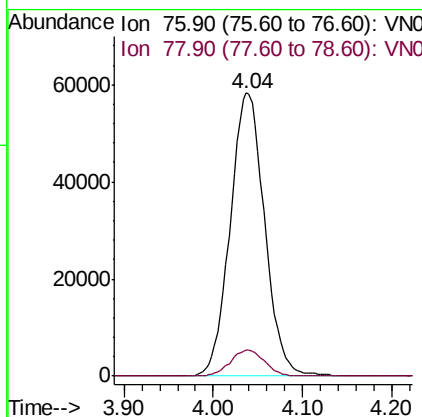
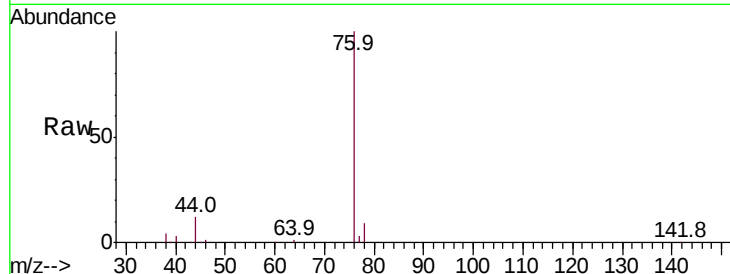




#17
Carbon Disulfide
Concen: 17.824 ug/l
RT: 4.04 min Scan# 704
Delta R.T. -0.00 min
Lab File: VN056336.D
Acq: 17 Jun 2019 13:35

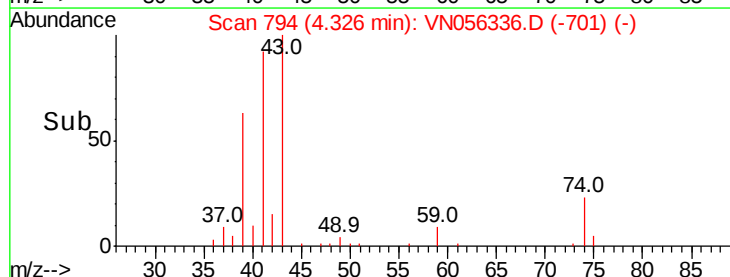
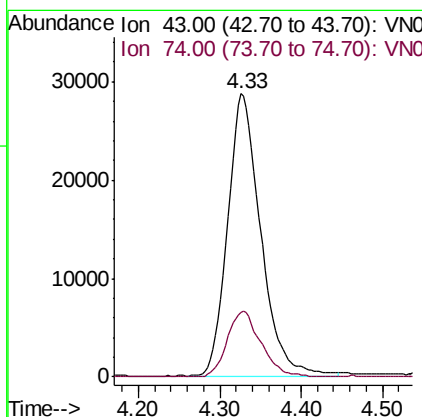
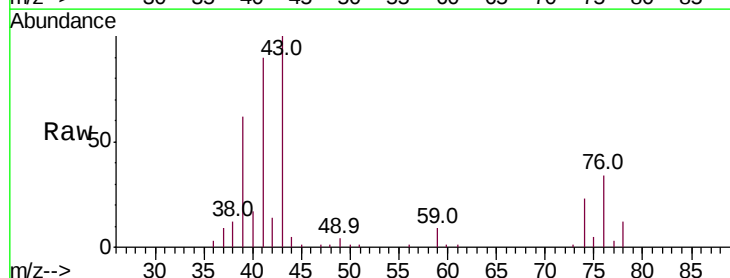
Instrument :
MSVOA_N
ClientSampleId :
VN0617WBS01

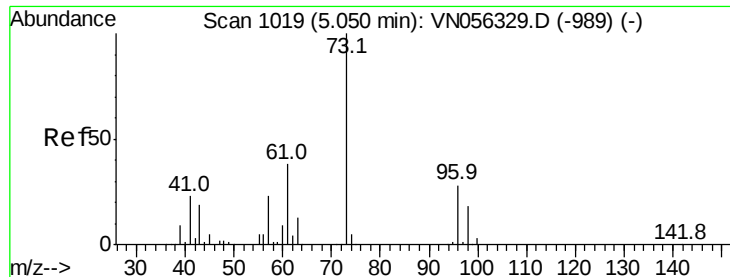
Tot Ion: 76 Resp: 156004
Ion Ratio Lower Upper
76 100
78 9.0 7.3 10.9



#18
Methyl Acetate
Concen: 20.543 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN056336.D
Acq: 17 Jun 2019 13:35

Tgt Ion: 43 Resp: 82434
Ion Ratio Lower Upper
43 100
74 23.3 19.4 29.2



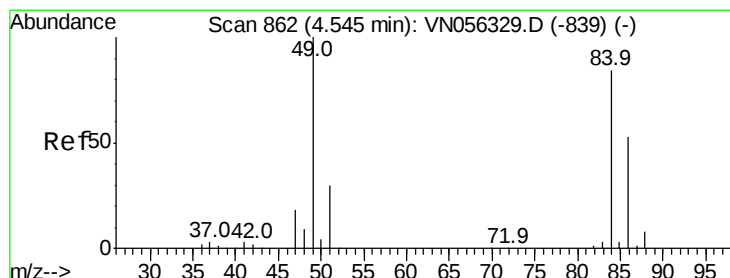
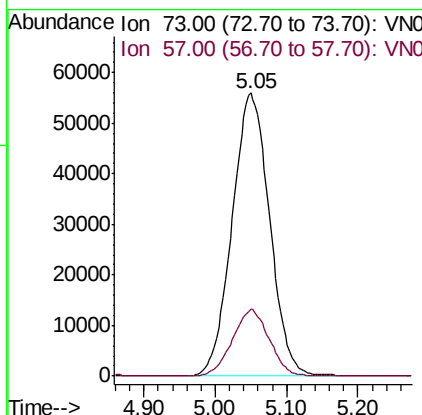
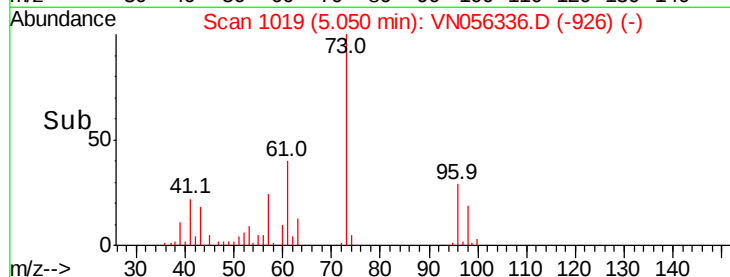
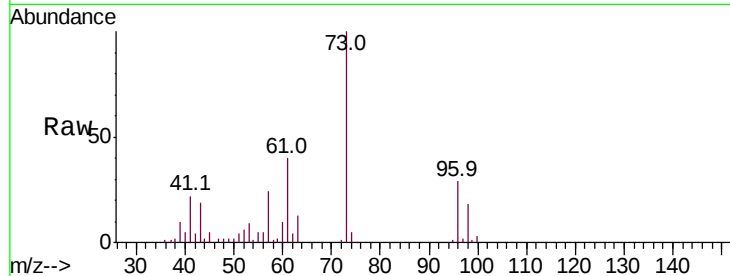


#19

Methyl tert-butyl Ether
 Concen: 20.508 ug/l
 RT: 5.05 min Scan# 1019
 Delta R.T. -0.00 min
 Lab File: VN056336.D
 Acq: 17 Jun 2019 13:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0617WBS01

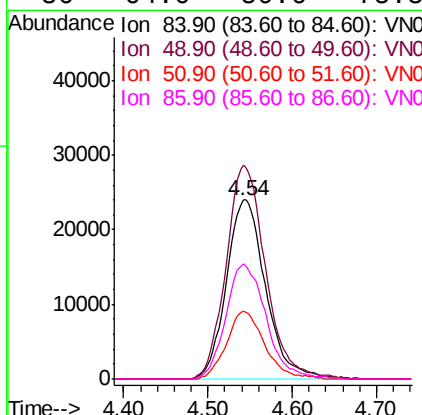
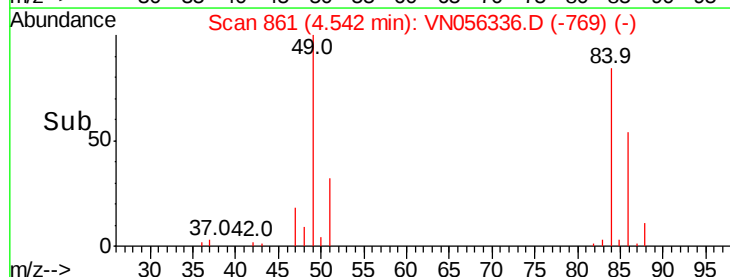
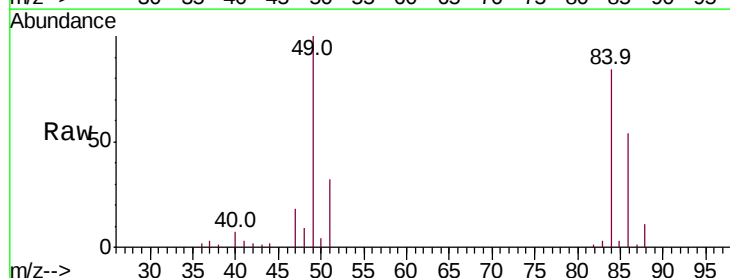
Tot Ion: 73 Resp: 204590
 Ion Ratio Lower Upper
 73 100
 57 23.7 18.1 27.1

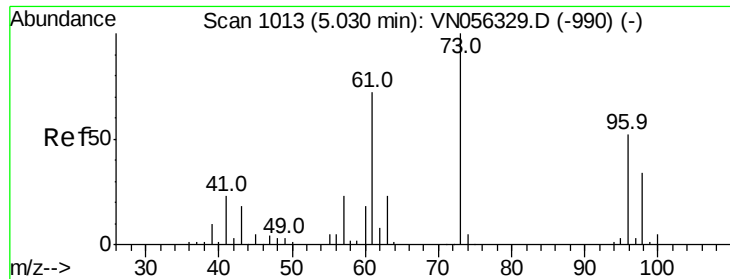


#20

Methylene Chloride
 Concen: 20.061 ug/l
 RT: 4.54 min Scan# 861
 Delta R.T. -0.00 min
 Lab File: VN056336.D
 Acq: 17 Jun 2019 13:35

Tgt Ion: 84 Resp: 77576
 Ion Ratio Lower Upper
 84 100
 49 119.3 95.0 142.6
 51 37.7 28.2 42.4
 86 64.0 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 19.850 ug/l

RT: 5.03 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VN056336.D

Acq: 17 Jun 2019 13:35

Instrument :

MSVOA_N

ClientSampleId :

VN0617WBS01

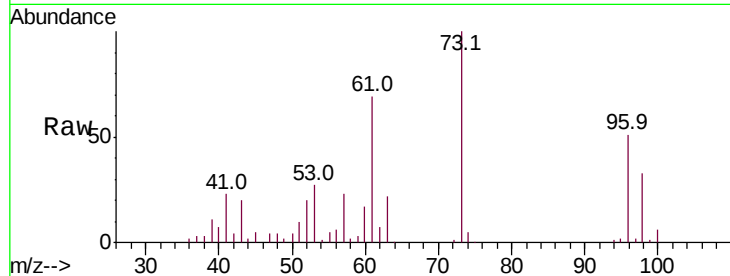
Tot Ion: 96 Resp: 69065

Ion Ratio Lower Upper

96 100

61 135.7 109.8 164.6

98 64.4 52.0 78.0

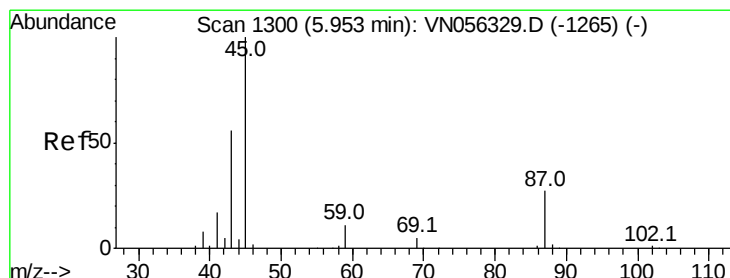
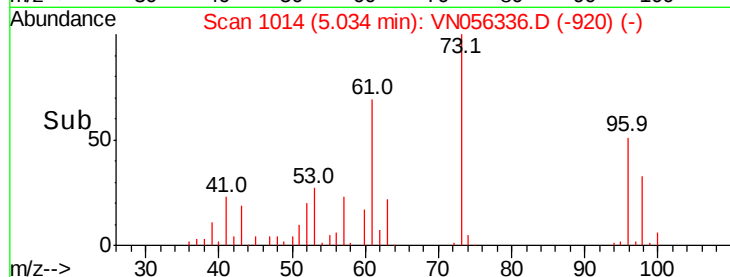
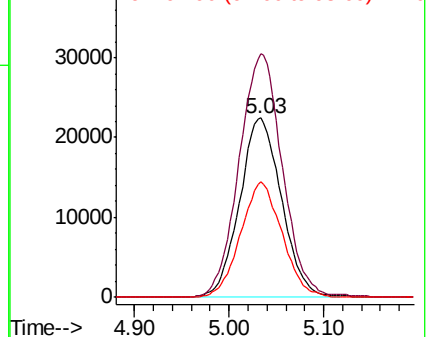


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 20.193 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VN056336.D

Acq: 17 Jun 2019 13:35

Tgt Ion: 45 Resp: 217760

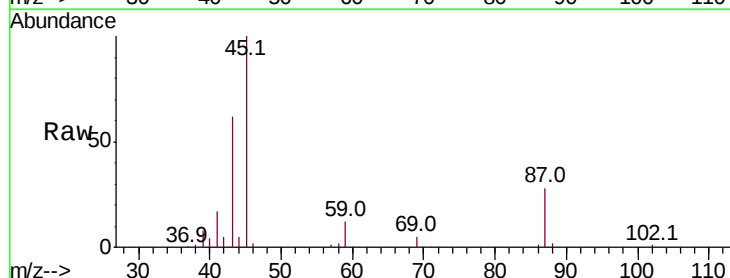
Ion Ratio Lower Upper

45 100

43 59.6 47.0 70.6

87 27.9 22.4 33.6

59 11.7 9.2 13.8



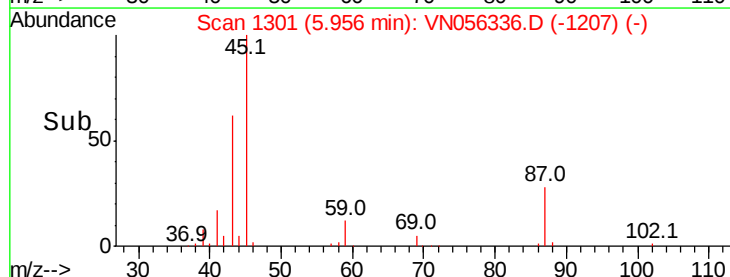
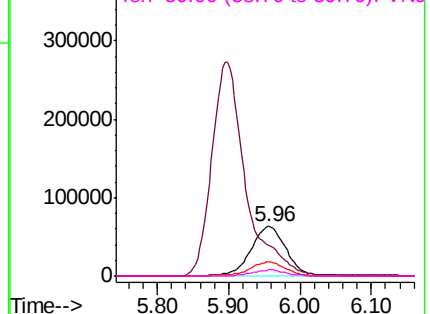
Abundance

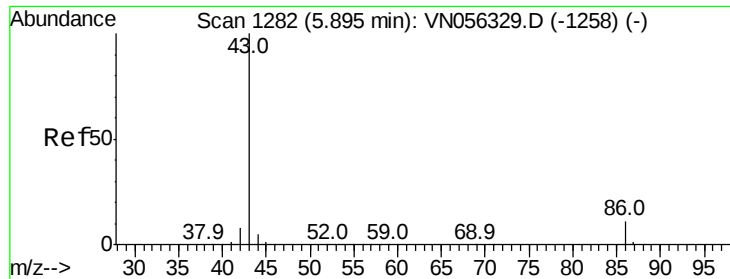
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0

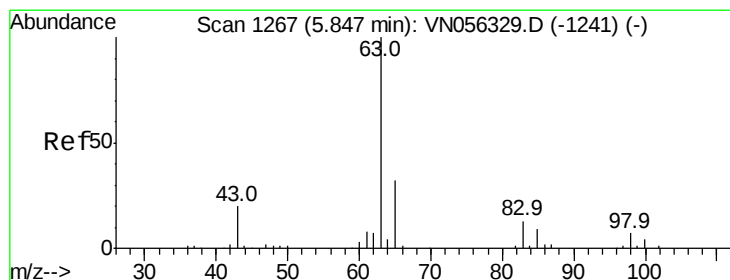
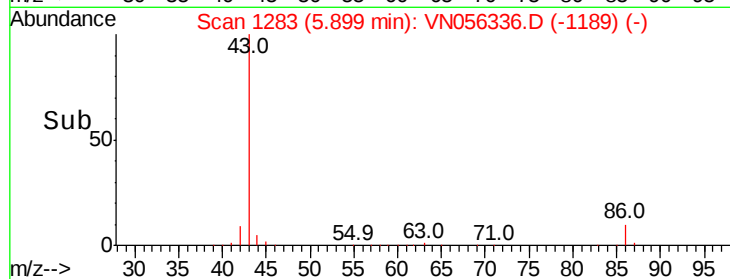
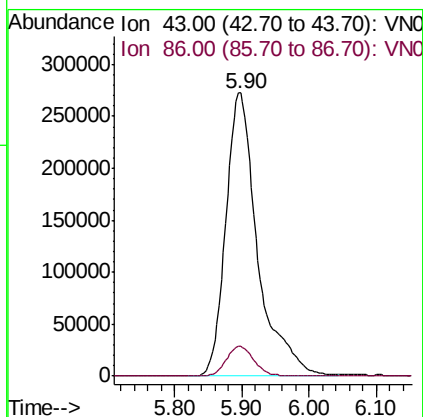
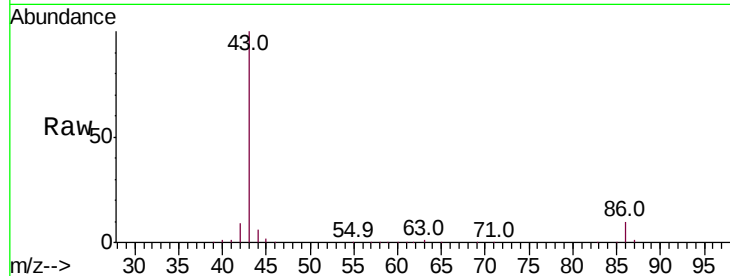




#23
 Vinyl Acetate
 Concen: 102.352 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN056336.D
 Acq: 17 Jun 2019 13:35

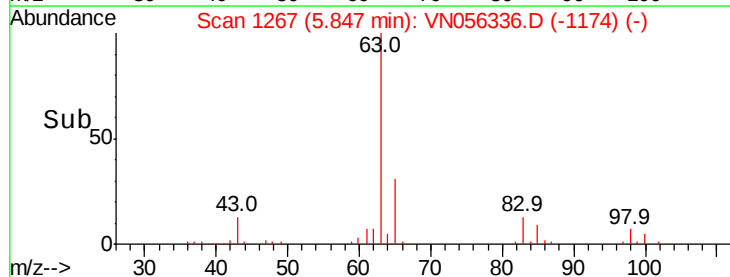
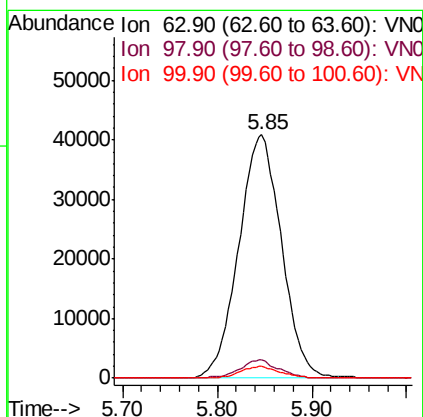
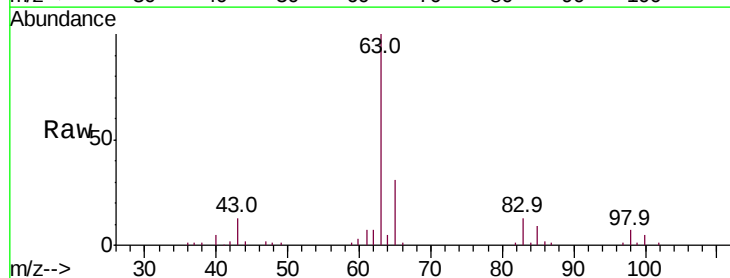
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0617WBS01

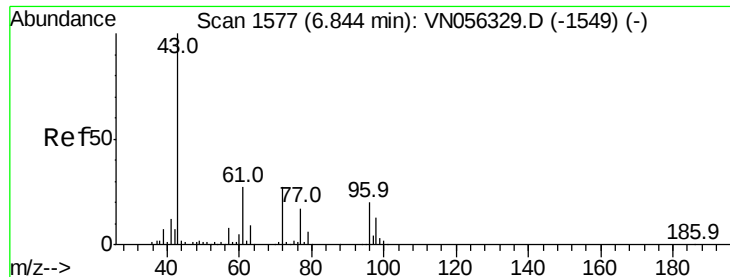
Tot Ion: 43 Resp: 897995
 Ion Ratio Lower Upper
 43 100
 86 10.4 8.5 12.7



#24
 1,1-Dichloroethane
 Concen: 20.229 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VN056336.D
 Acq: 17 Jun 2019 13:35

Tgt Ion: 63 Resp: 127893
 Ion Ratio Lower Upper
 63 100
 98 7.4 3.3 9.8
 100 4.7 2.2 6.6





#25

2-Butanone

Concen: 95.589 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VN056336.D

Acq: 17 Jun 2019 13:35

Instrument :

MSVOA_N

ClientSampleId :

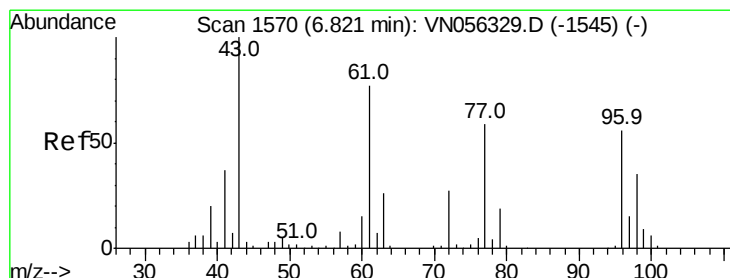
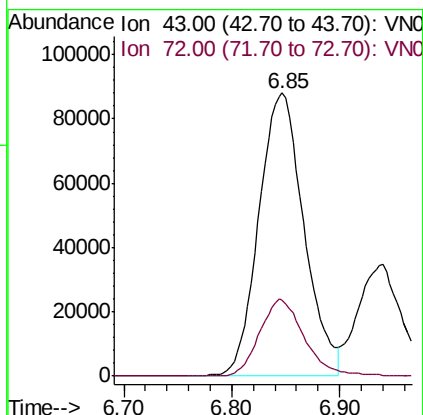
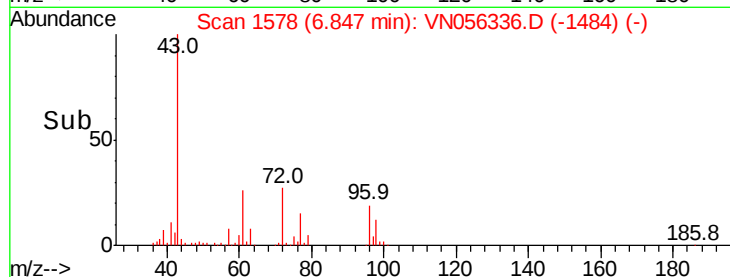
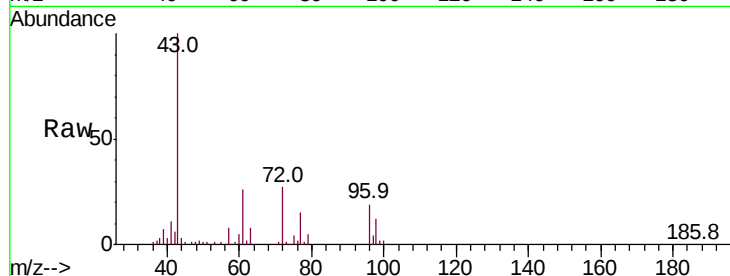
VN0617WBS01

Tot Ion: 43 Resp: 253736

Ion Ratio Lower Upper

43 100

72 27.0 21.4 32.2



#26

2,2-Dichloropropane

Concen: 18.117 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN056336.D

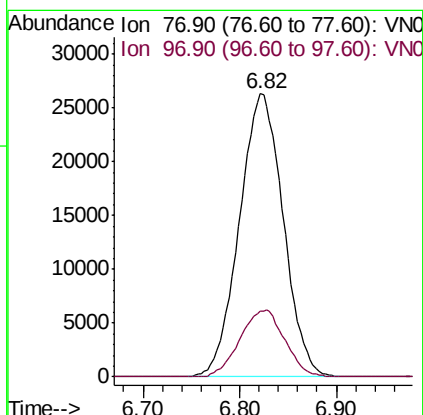
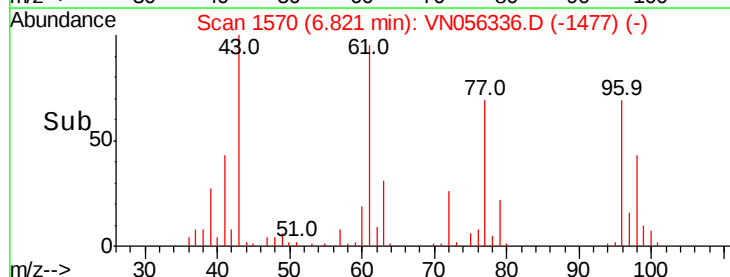
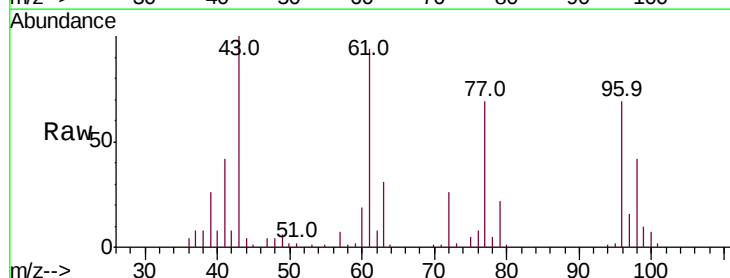
Acq: 17 Jun 2019 13:35

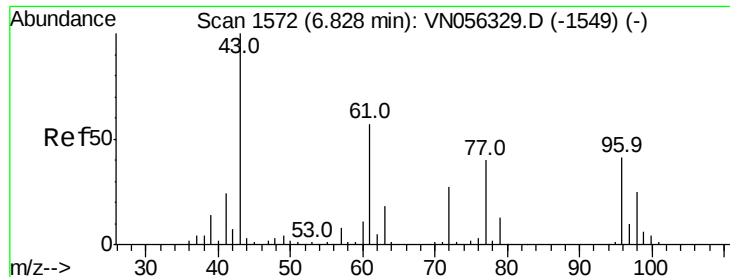
Tgt Ion: 77 Resp: 82829

Ion Ratio Lower Upper

77 100

97 24.1 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 19.965 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN056336.D

Acq: 17 Jun 2019 13:35

Instrument :

MSVOA_N

ClientSampled :

VN0617WBS01

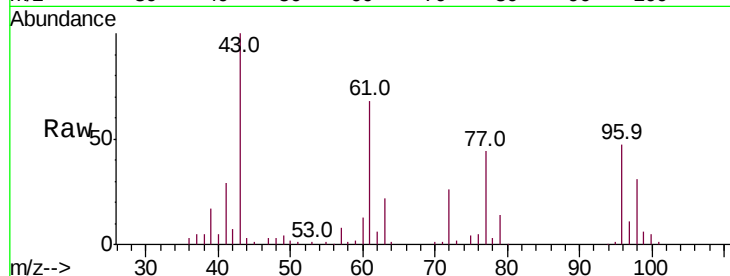
Tot Ion: 96 Resp: 80458

Ion Ratio Lower Upper

96 100

61 138.4 0.0 278.6

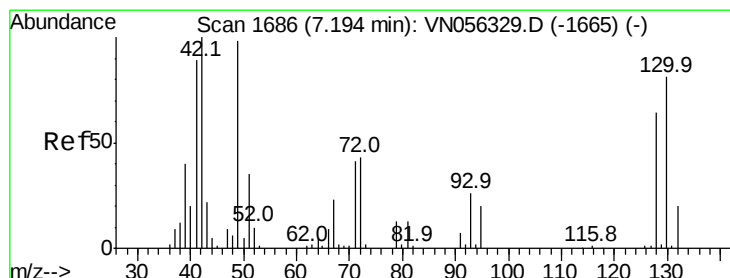
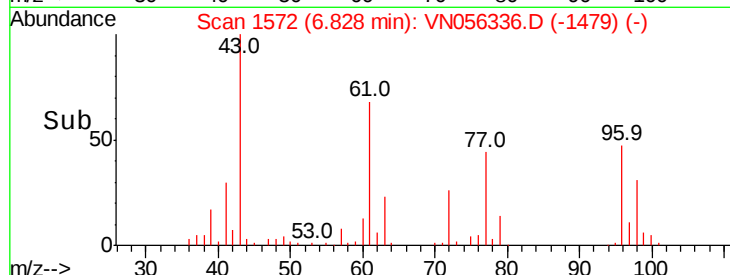
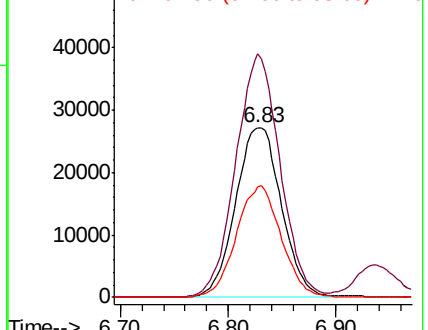
98 64.0 0.0 127.0



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: 20.407 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN056336.D

Acq: 17 Jun 2019 13:35

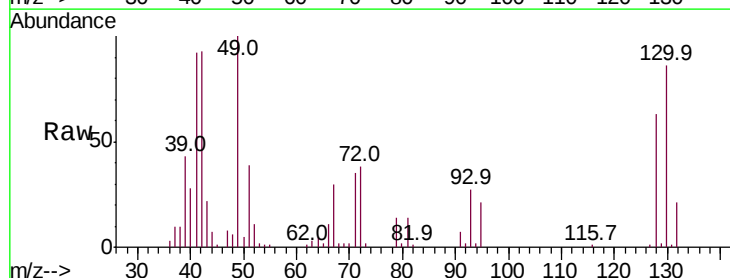
Tgt Ion: 49 Resp: 64611

Ion Ratio Lower Upper

49 100

129 2.0 0.0 4.4

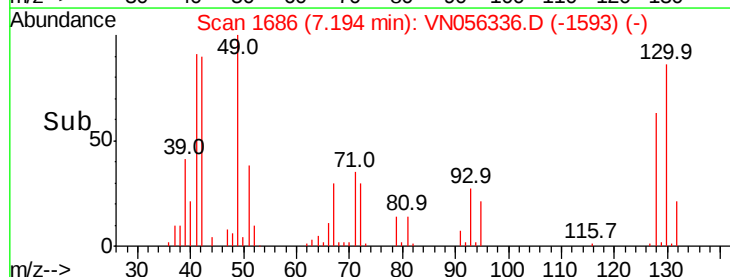
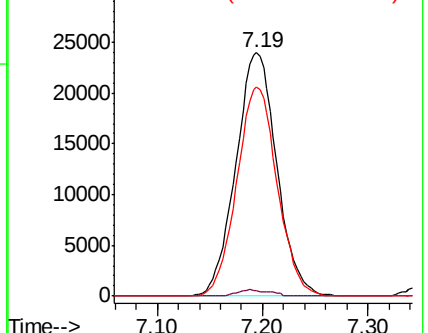
130 84.7 66.4 99.6

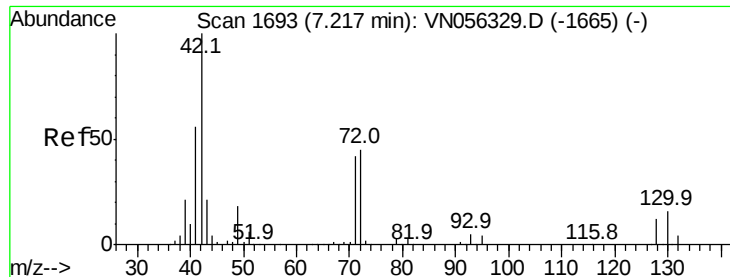


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

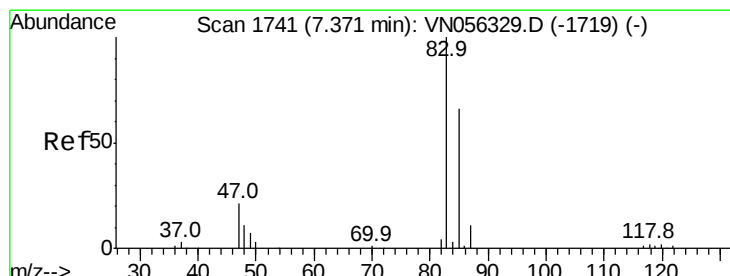
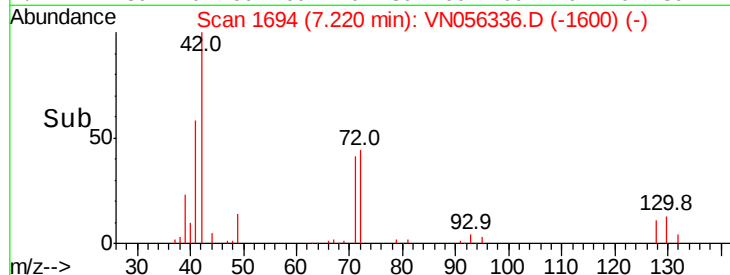
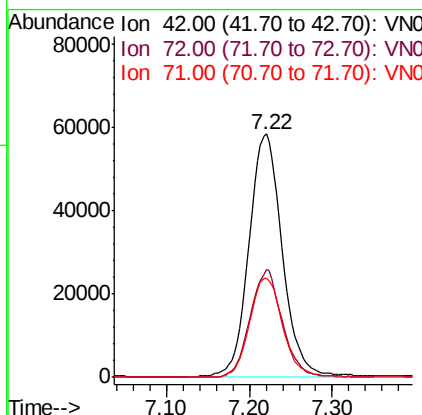
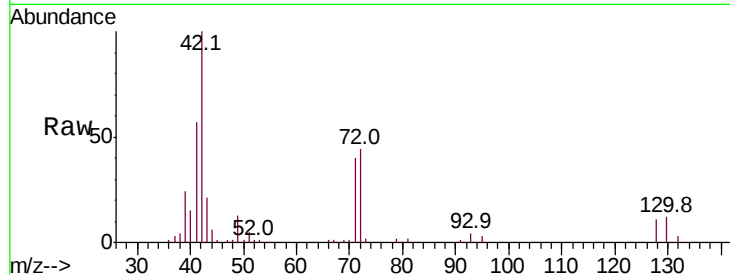




#29
Tetrahydrofuran
Concen: 103.877 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VN056336.D
Acq: 17 Jun 2019 13:35

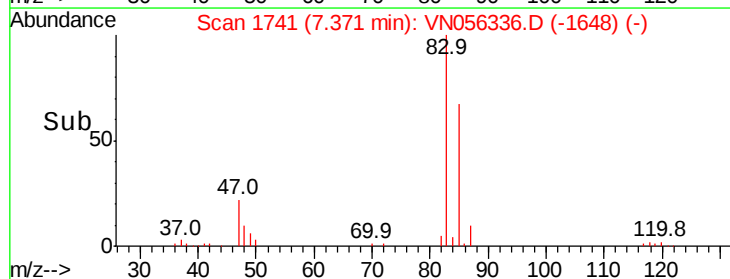
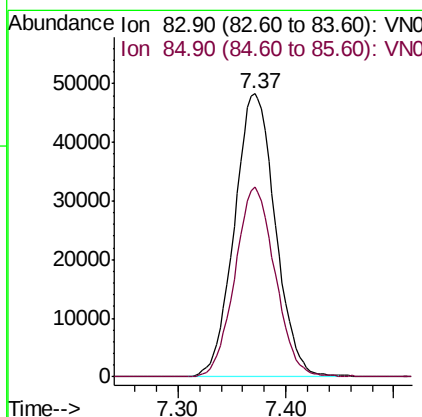
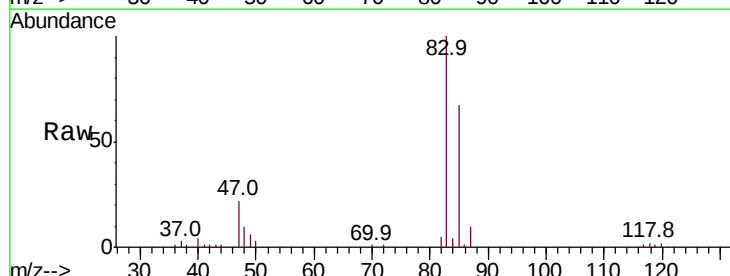
Instrument :
MSVOA_N
ClientSampleId :
VN0617WBS01

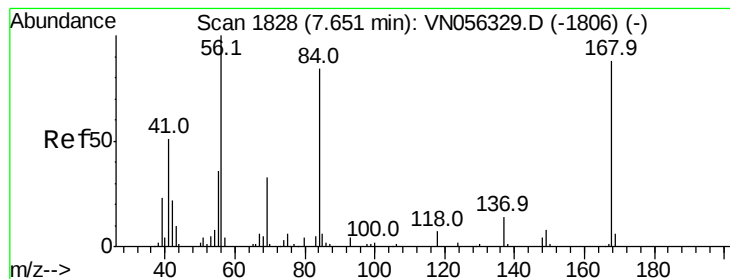
Tot Ion: 42 Resp: 163787
Ion Ratio Lower Upper
42 100
72 42.7 35.3 52.9
71 40.6 32.7 49.1



#30
Chloroform
Concen: 20.232 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN056336.D
Acq: 17 Jun 2019 13:35

Tgt Ion: 83 Resp: 127420
Ion Ratio Lower Upper
83 100
85 67.0 52.6 78.8





#31

Cyclohexane

Concen: 20.149 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN056336.D

Acq: 17 Jun 2019 13:35

Instrument :
MSVOA_N
ClientSampled :
VN0617WBS01

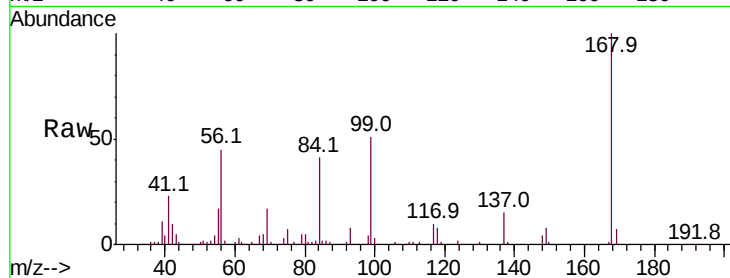
Tot Ion: 56 Resp: 123081

Ion Ratio Lower Upper

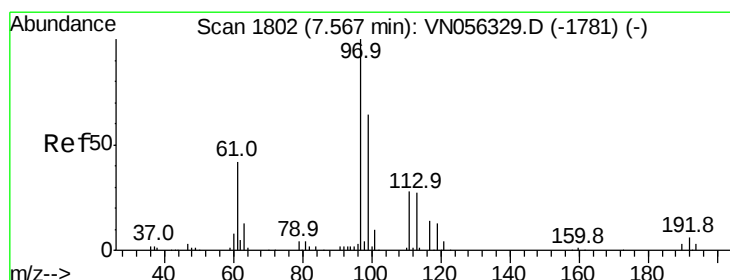
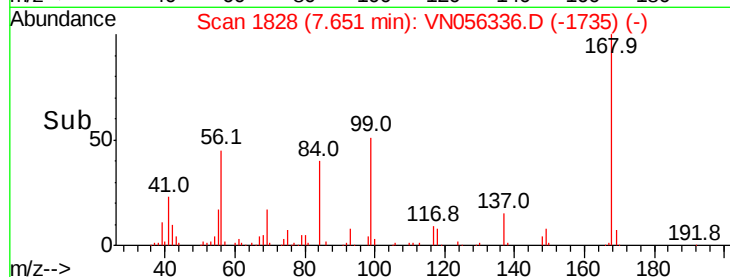
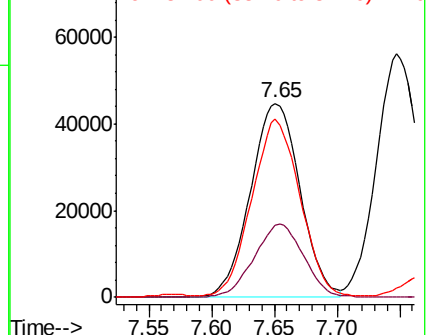
56 100

69 36.9 26.0 39.0

84 90.8 67.4 101.0



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



#32

1,1,1-Trichloroethane

Concen: 18.895 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN056336.D

Acq: 17 Jun 2019 13:35

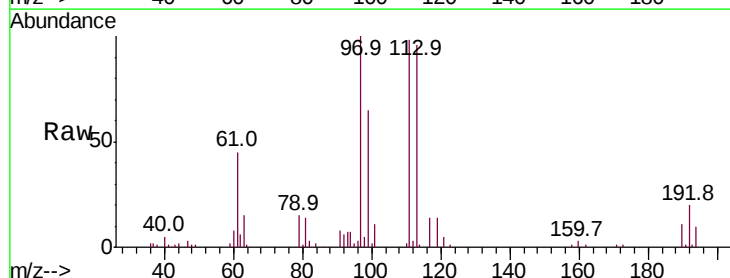
Tgt Ion: 97 Resp: 98569

Ion Ratio Lower Upper

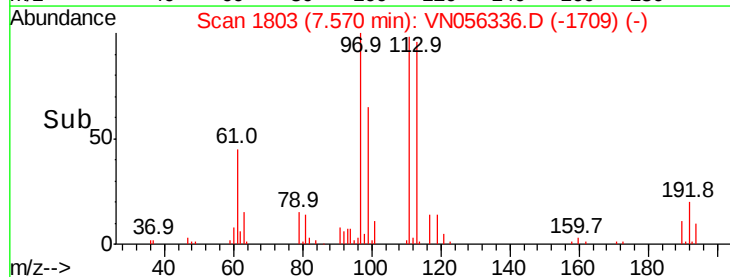
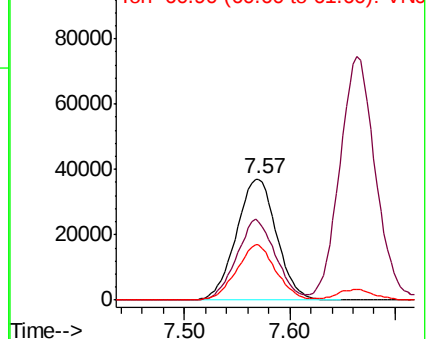
97 100

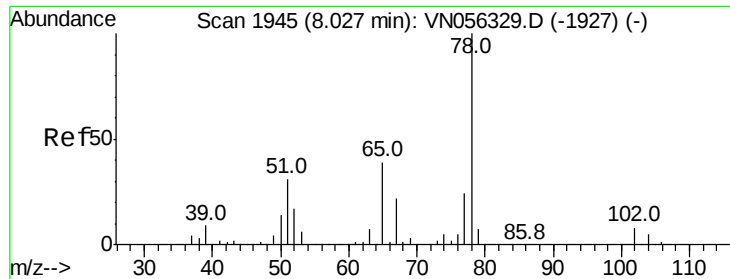
99 64.6 51.4 77.0

61 44.5 34.4 51.6



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

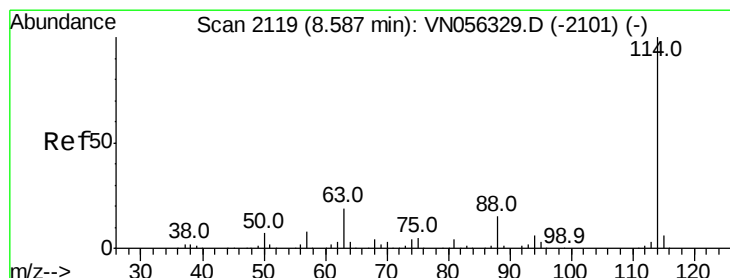
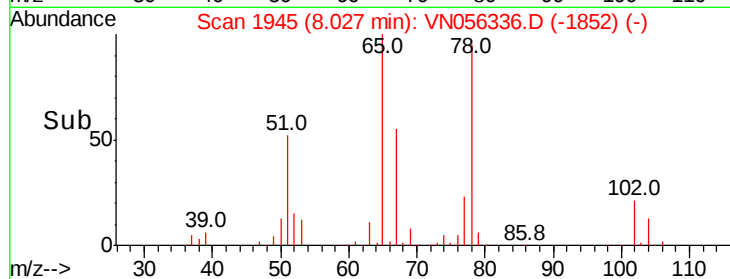
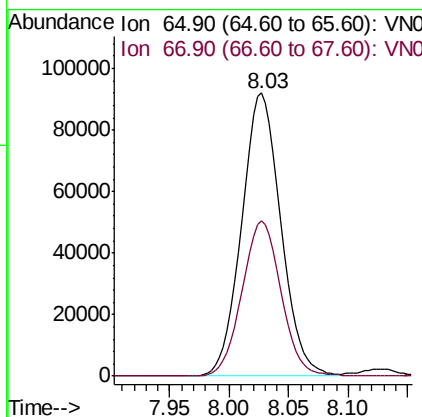
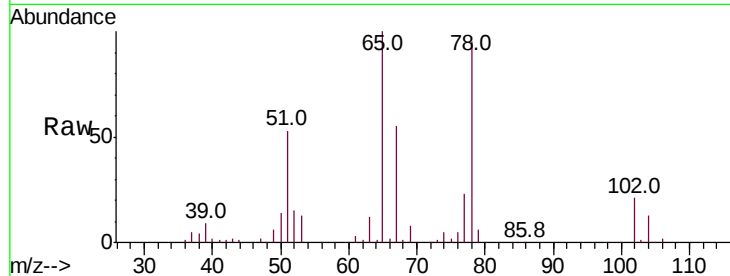




#33
 1,2-Dichloroethane-d4
 Concen: 53.126 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN056336.D
 Acq: 17 Jun 2019 13:35

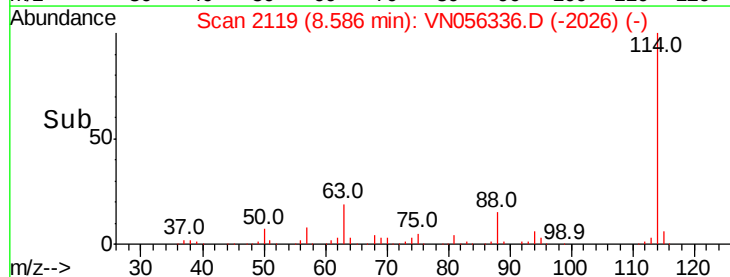
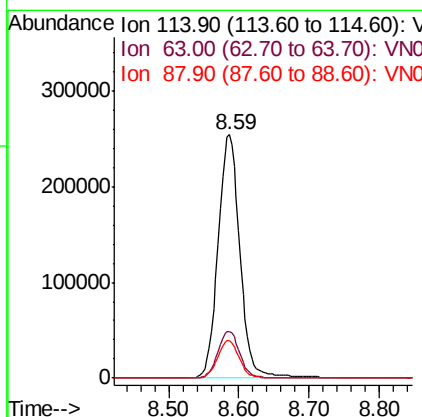
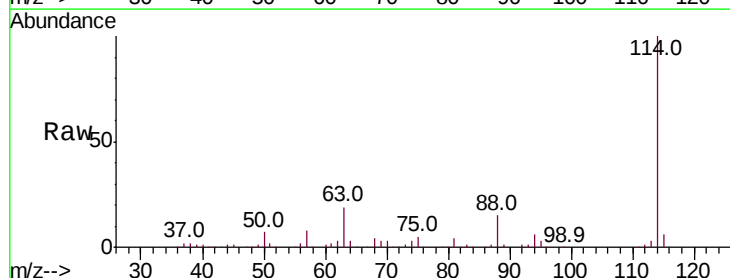
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0617WBS01

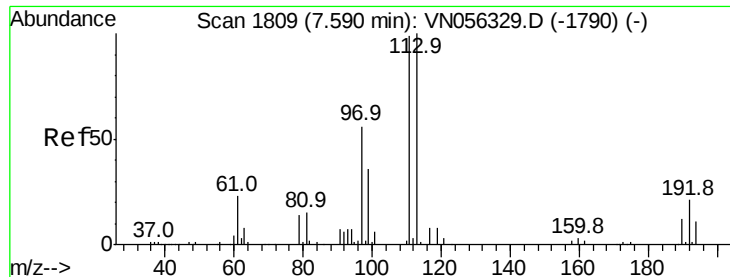
Tot Ion: 65 Resp: 210553
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 110.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN056336.D
 Acq: 17 Jun 2019 13:35

Tgt Ion: 114 Resp: 549191
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 38.8
 88 15.4 0.0 30.6





#35

Dibromofluoromethane

Concen: 51.470 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN056336.D

Acq: 17 Jun 2019 13:35

Instrument :

MSVOA_N

ClientSampleId :

VN0617WBS01

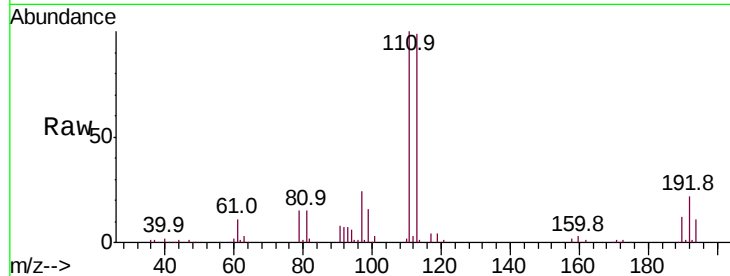
Tot Ion:113 Resp: 181270

Ion Ratio Lower Upper

113 100

111 101.5 82.1 123.1

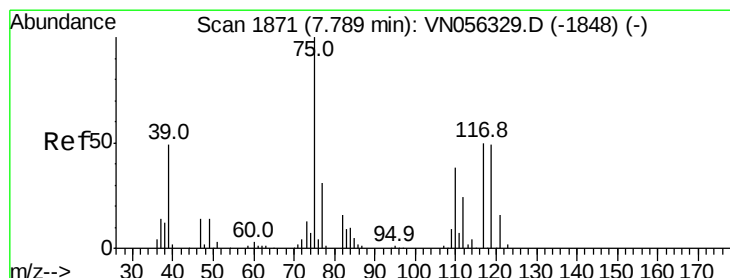
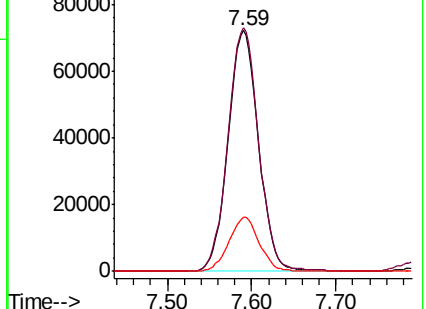
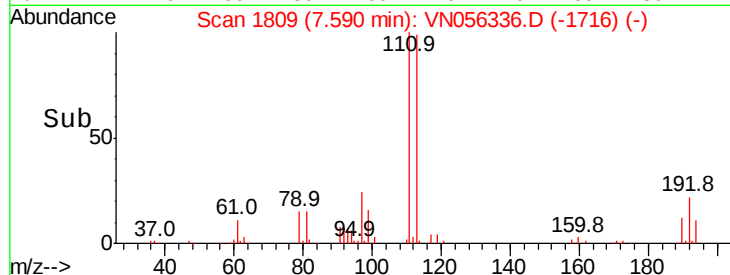
192 22.3 17.6 26.4



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 18.907 ug/l

RT: 7.79 min Scan# 1871

Delta R.T. -0.00 min

Lab File: VN056336.D

Acq: 17 Jun 2019 13:35

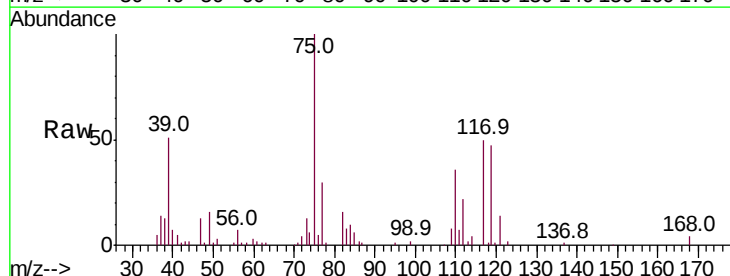
Tgt Ion: 75 Resp: 93438

Ion Ratio Lower Upper

75 100

110 36.3 18.6 56.0

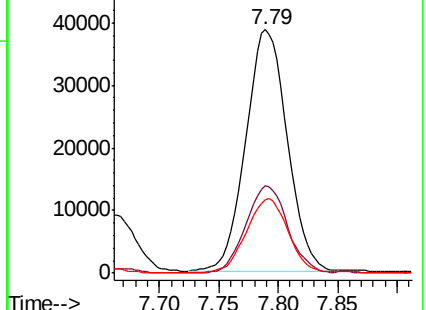
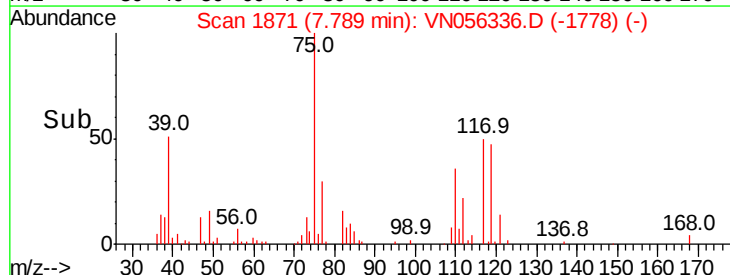
77 31.3 25.0 37.6

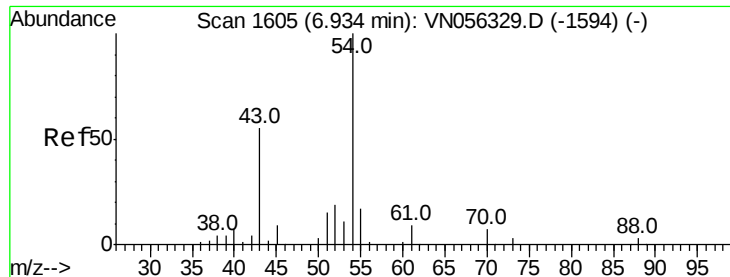


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

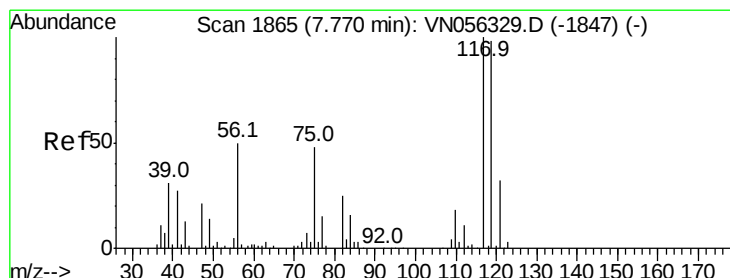
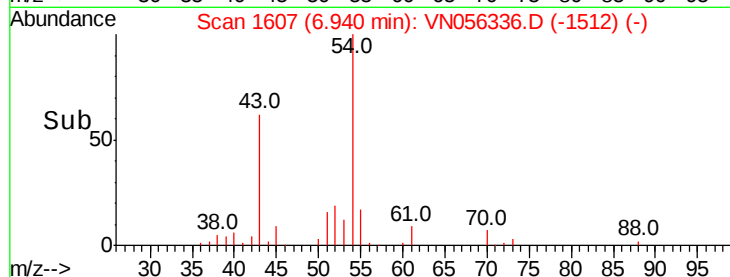
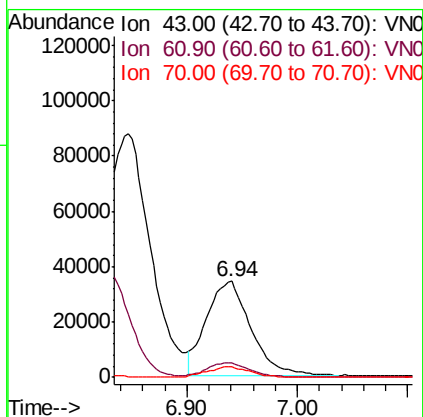
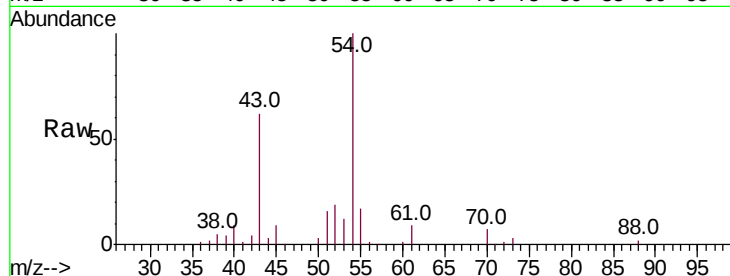




#37
Ethyl Acetate
Concen: 20.435 ug/l
RT: 6.94 min Scan# 1607
Delta R.T. 0.01 min
Lab File: VN056336.D
Acq: 17 Jun 2019 13:35

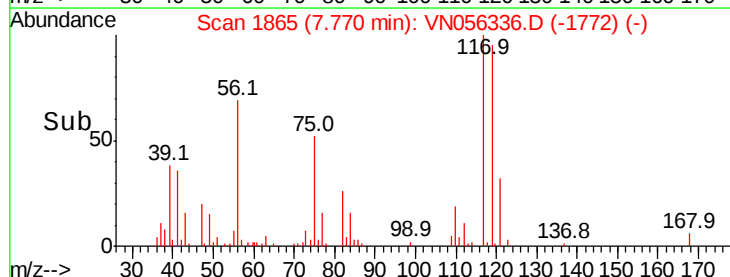
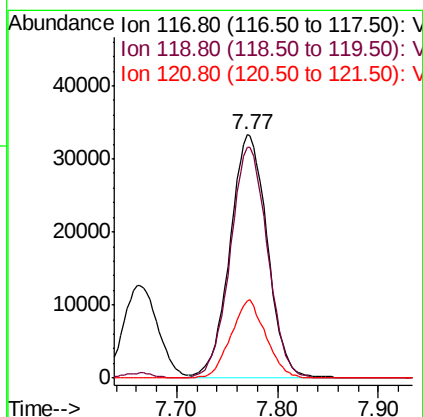
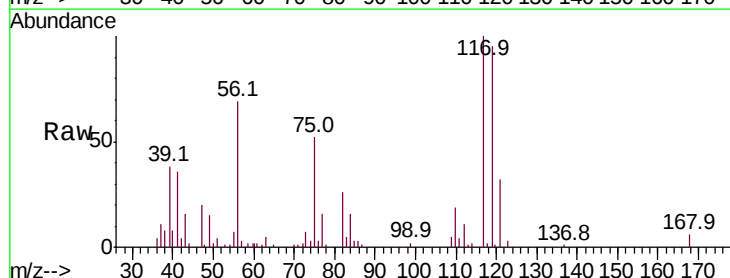
Instrument :
MSVOA_N
ClientSampleId :
VN0617WBS01

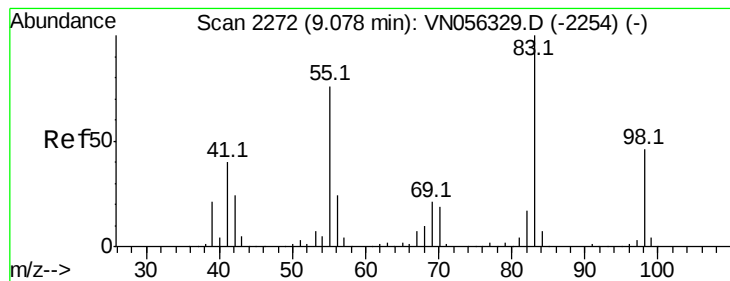
Tot Ion: 43 Resp: 95708
Ion Ratio Lower Upper
43 100
61 15.3 11.7 17.5
70 10.7 8.3 12.5



#38
Carbon Tetrachloride
Concen: 18.062 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN056336.D
Acq: 17 Jun 2019 13:35

Tgt Ion: 117 Resp: 85678
Ion Ratio Lower Upper
117 100
119 94.7 77.8 116.8
121 31.9 25.3 37.9





#39

Methvlcvclohexane

Concen: 19.195 ug/l

RT: 9.08 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VN056336.D

Acq: 17 Jun 2019 13:35

Instrument :

MSVOA_N

ClientSampleId :

VN0617WBS01

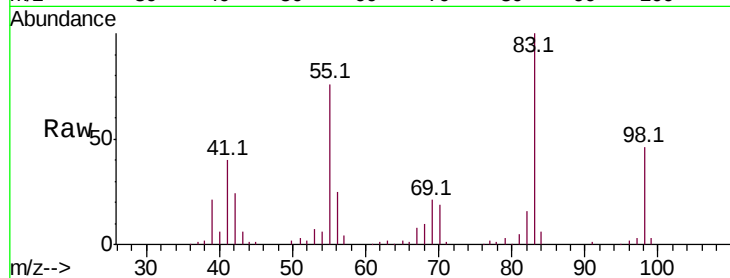
Tot Ion: 83 Resp: 115712

Ion Ratio Lower Upper

83 100

55 75.6 60.8 91.2

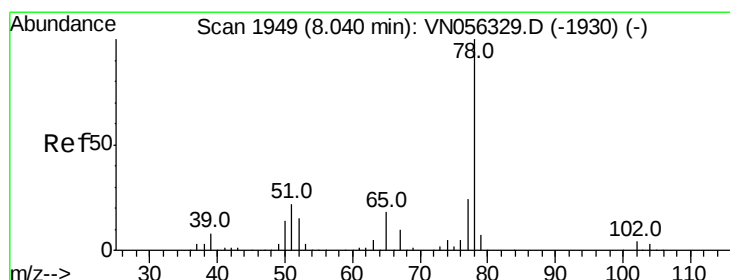
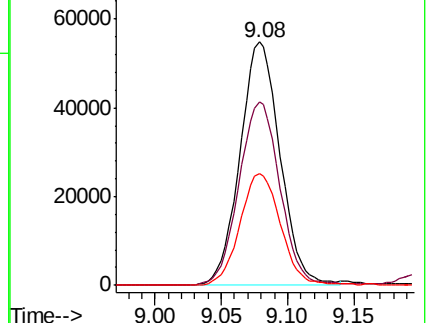
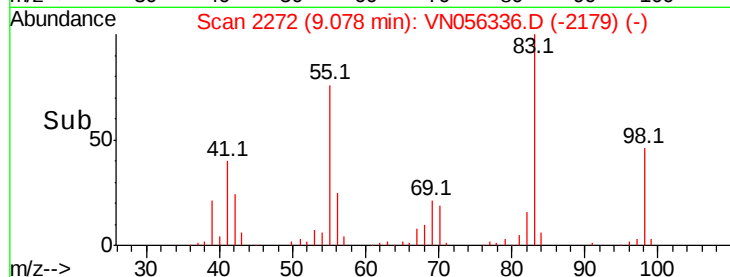
98 45.8 36.8 55.2



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: 19.823 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. -0.00 min

Lab File: VN056336.D

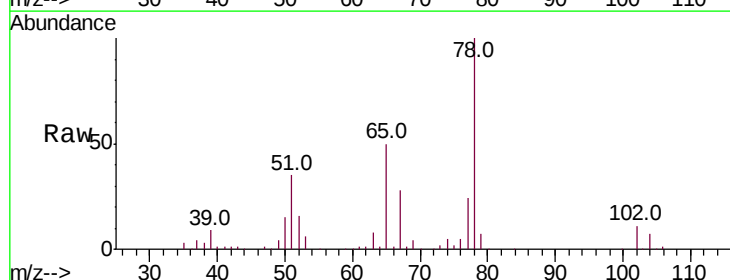
Acq: 17 Jun 2019 13:35

Tgt Ion: 78 Resp: 297176

Ion Ratio Lower Upper

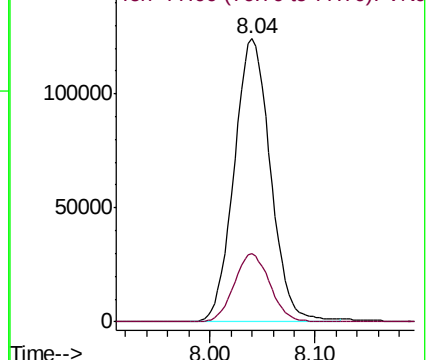
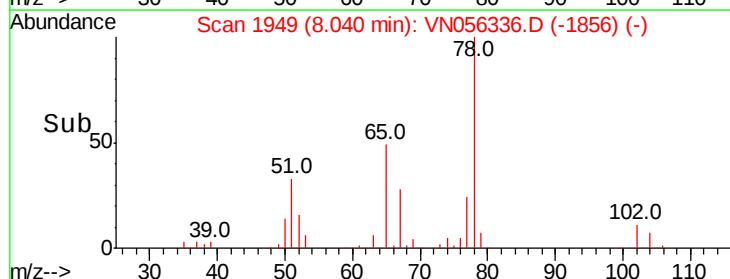
78 100

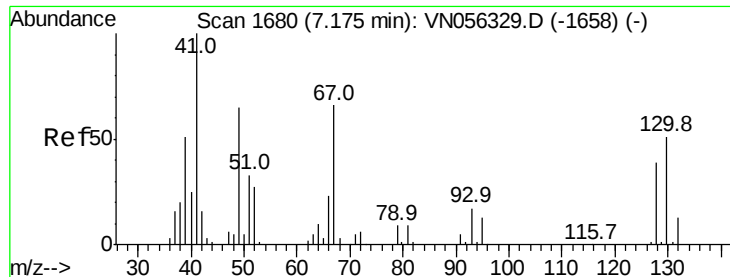
77 24.1 19.2 28.8



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

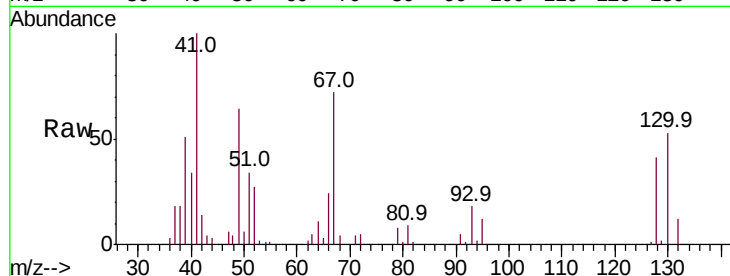




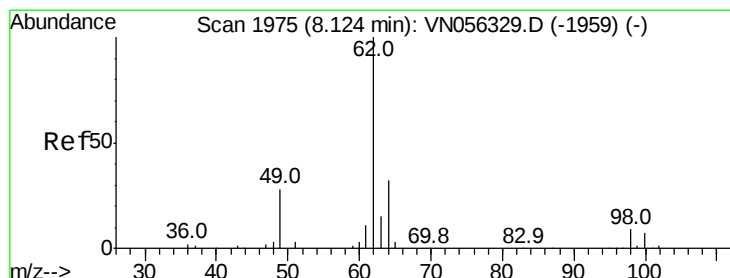
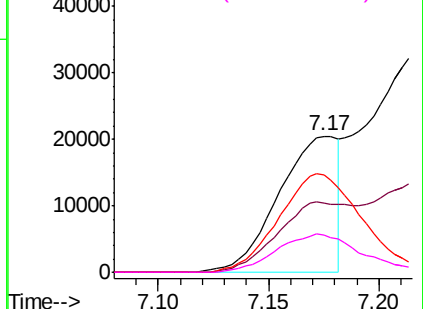
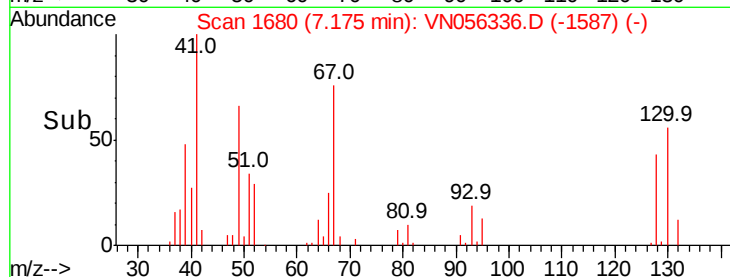
#41
Methacrylonitrile
Concen: 17.766 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN056336.D
Acq: 17 Jun 2019 13:35

Instrument :
MSVOA_N
ClientSampleID :
VN0617WBS01

Tot Ion:	41	Resp:	38208
Ion	Ratio	Lower	Upper
41	100		
39	62.1	44.5	66.7
67	103.1	69.0	103.4
52	41.3	28.1	42.1

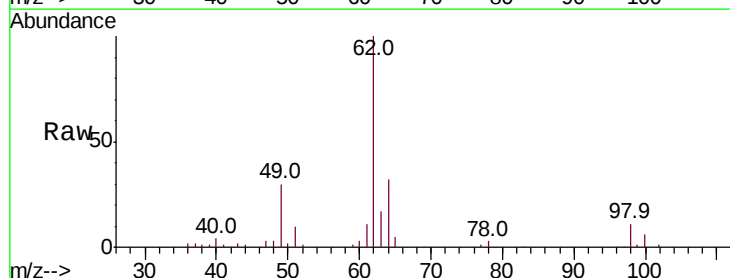


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

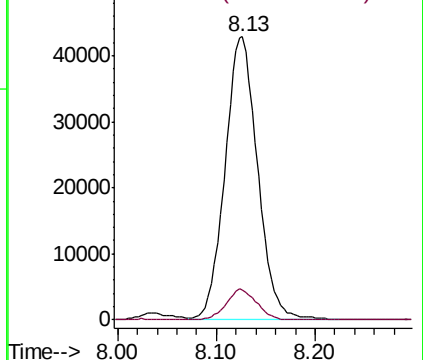
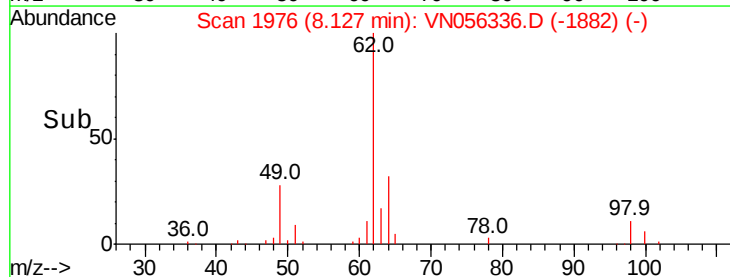


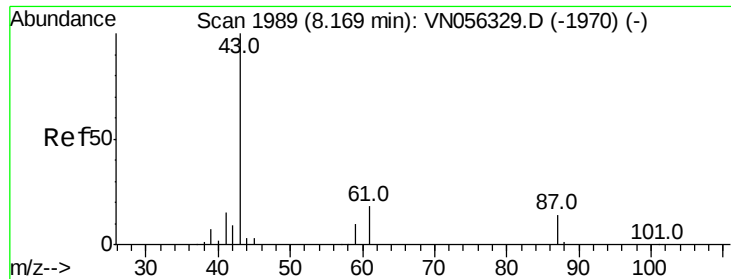
#42
1,2-Dichloroethane
Concen: 20.147 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN056336.D
Acq: 17 Jun 2019 13:35

Tgt Ion:	62	Resp:	99051
Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	19.4



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





#43

Isopropyl Acetate

Concen: 19.130 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VN056336.D

Acq: 17 Jun 2019 13:35

Instrument :

MSVOA_N

ClientSampleId :

VN0617WBS01

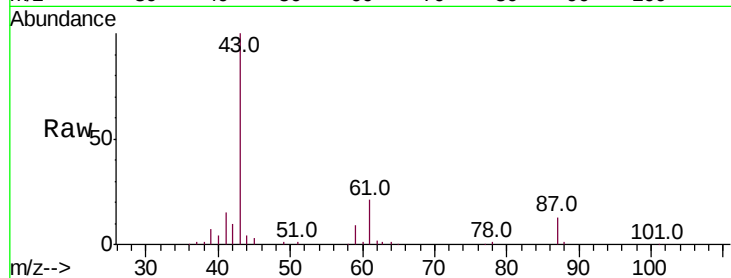
Tot Ion: 43 Resp: 143321

Ion Ratio Lower Upper

43 100

61 19.9 16.6 25.0

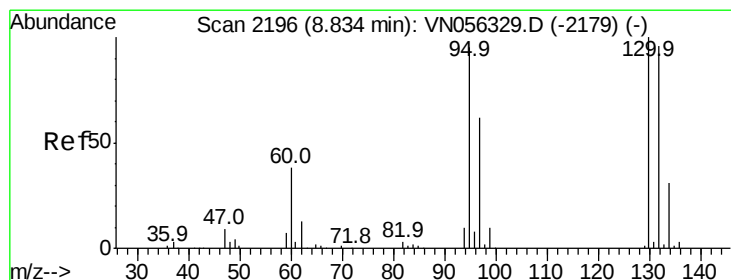
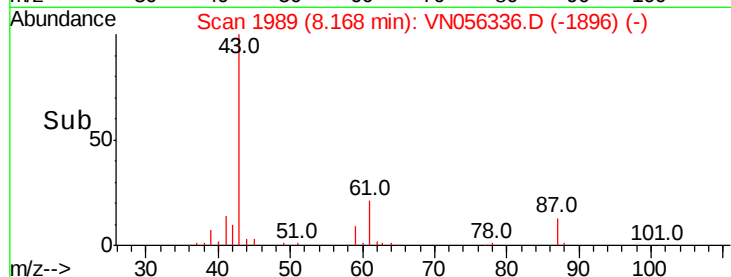
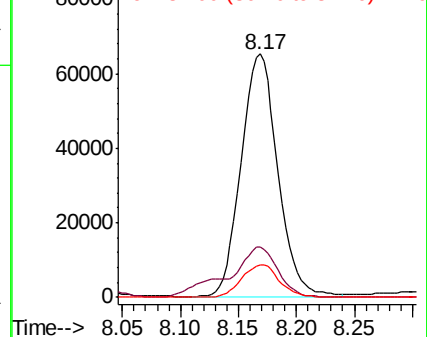
87 13.7 11.0 16.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#44

Trichloroethene

Concen: 19.462 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN056336.D

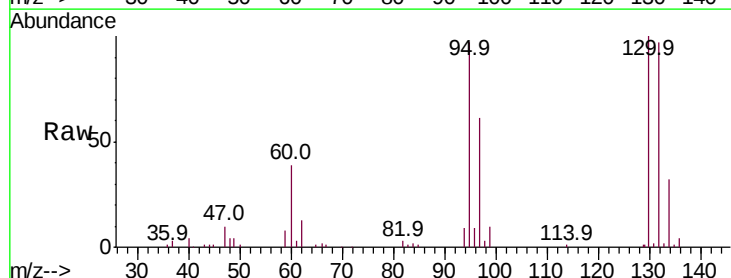
Acq: 17 Jun 2019 13:35

Tgt Ion:130 Resp: 79346

Ion Ratio Lower Upper

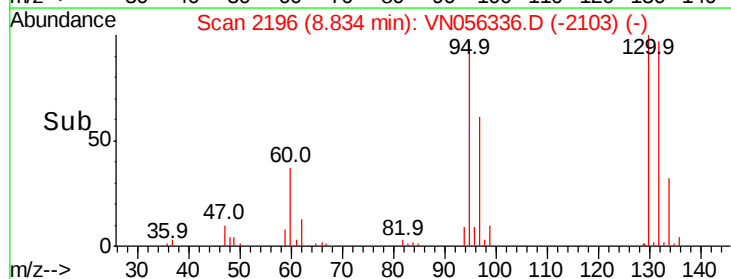
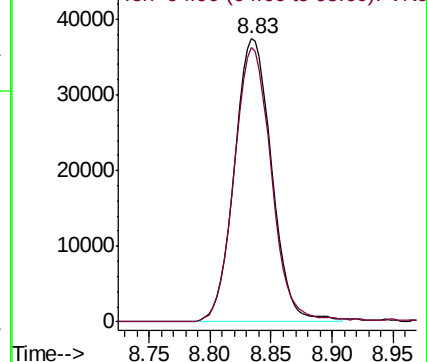
130 100

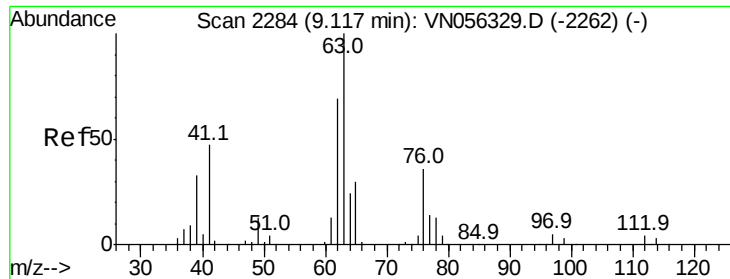
95 97.0 0.0 190.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0





#45

1,2-Dichloropropane

Concen: 19.917 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN056336.D

Acq: 17 Jun 2019 13:35

Instrument :

MSVOA_N

ClientSampleId :

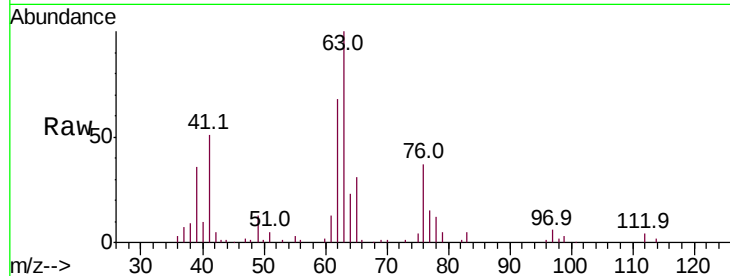
VN0617WBS01

Tot Ion: 63 Resp: 78913

Ion Ratio Lower Upper

63 100

65 30.7 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.12

40000

30000

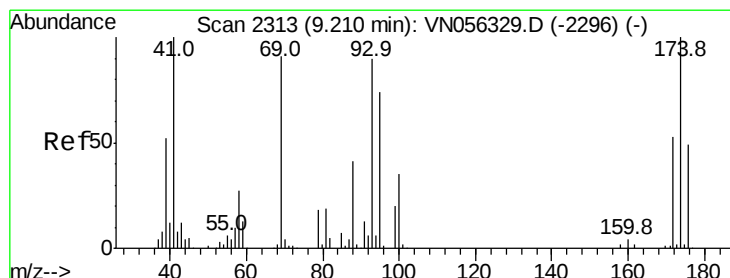
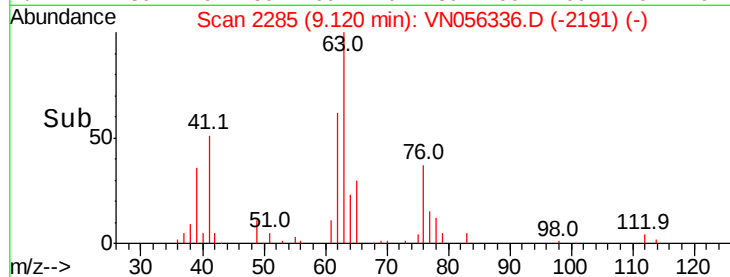
20000

10000

0

Time-->

9.00 9.10 9.20



#46

Dibromomethane

Concen: 19.223 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. -0.00 min

Lab File: VN056336.D

Acq: 17 Jun 2019 13:35

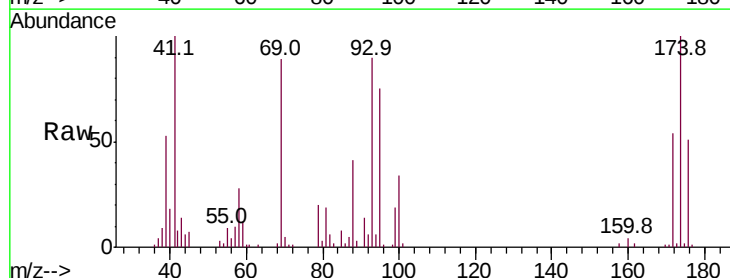
Tgt Ion: 93 Resp: 50613

Ion Ratio Lower Upper

93 100

95 83.8 67.2 100.8

174 113.9 90.3 135.5



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

9.21

30000

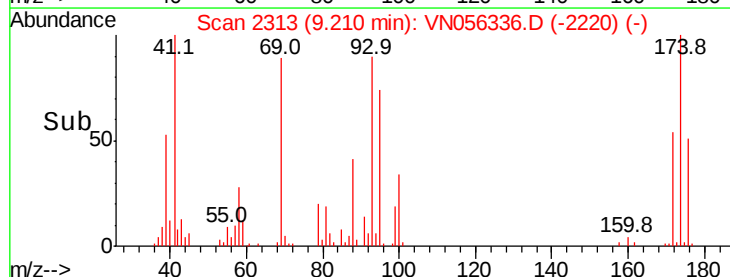
20000

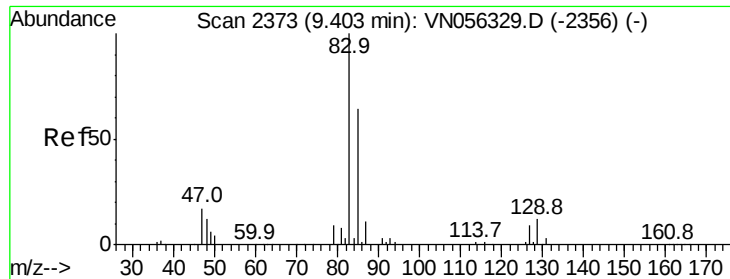
10000

0

Time-->

9.15 9.20 9.25 9.30





#47

Bromodichloromethane

Concen: 17.860 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN056336.D

Acq: 17 Jun 2019 13:35

Instrument :

MSVOA_N

ClientSampleId :

VN0617WBS01

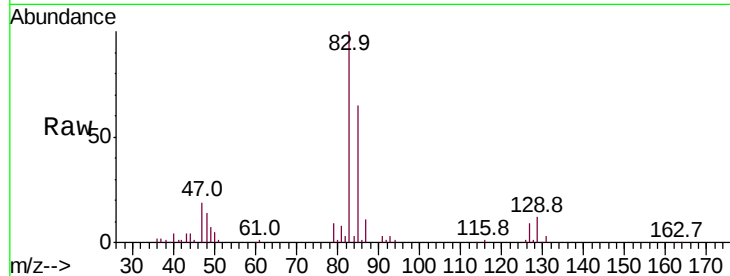
Tot Ion: 83 Resp: 89840

Ion Ratio Lower Upper

83 100

85 65.1 51.1 76.7

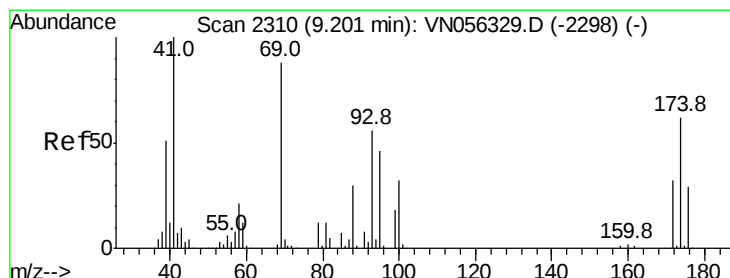
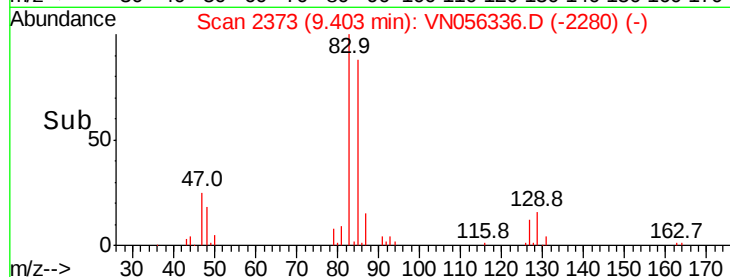
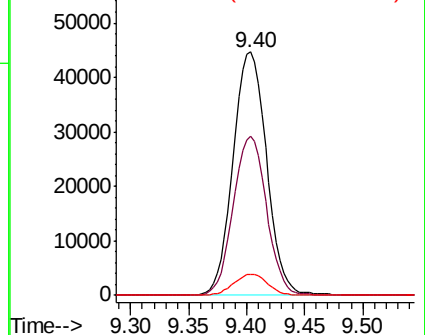
127 8.7 7.1 10.7



Abundance Ion 82.90 (82.60 to 83.60): VN056336.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN056336.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN056336.D (-2280) (-)



#48

Methyl methacrylate

Concen: 18.852 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN056336.D

Acq: 17 Jun 2019 13:35

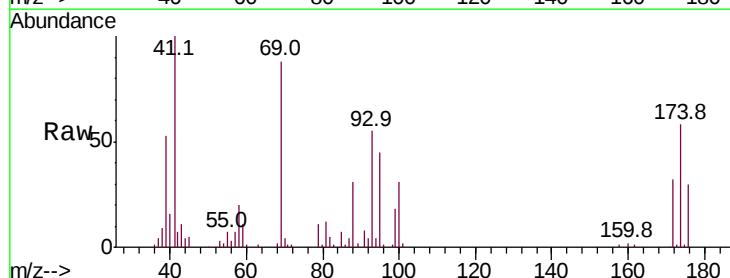
Tgt Ion: 41 Resp: 71259

Ion Ratio Lower Upper

41 100

69 90.2 71.0 106.6

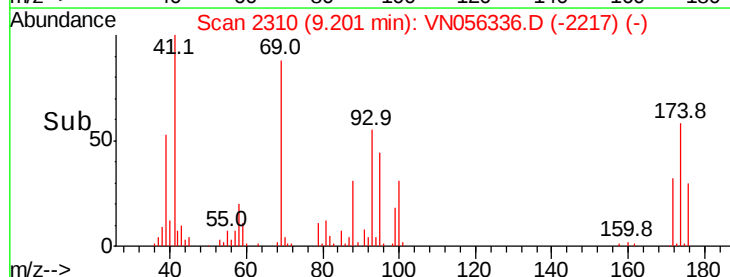
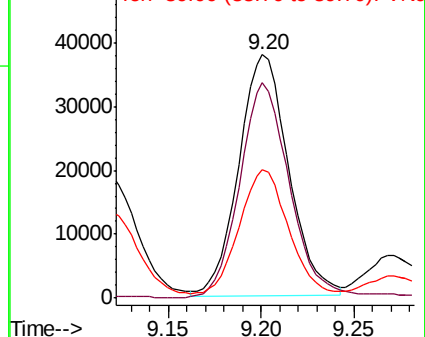
39 53.4 41.7 62.5

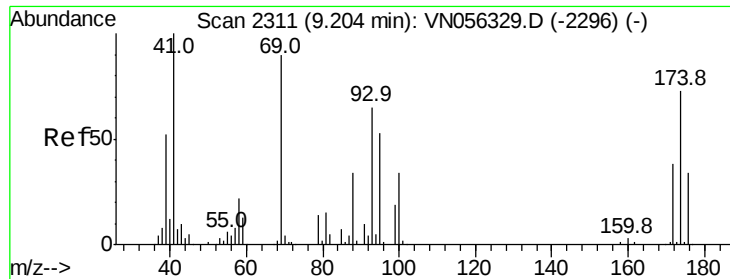


Abundance Ion 41.00 (40.70 to 41.70): VN056336.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN056336.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN056336.D (-2217) (-)





#49

1,4-Dioxane

Concen: 394.030 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. -0.00 min

Lab File: VN056336.D

Acq: 17 Jun 2019 13:35

Instrument :
MSVOA_N
ClientSampleId :
VN0617WBS01

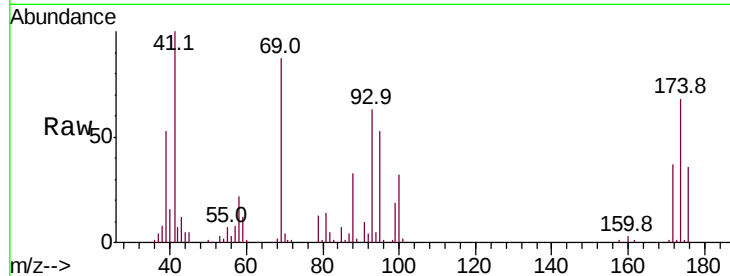
Tot Ion: 88 Resp: 30045

Ion Ratio Lower Upper

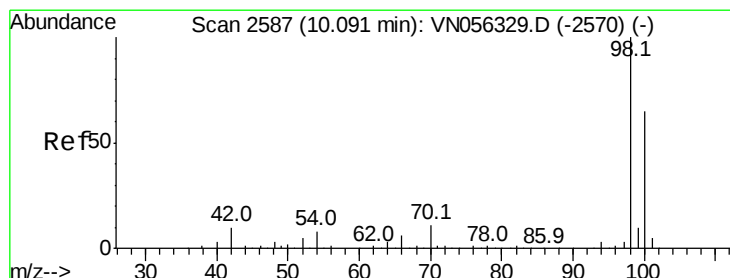
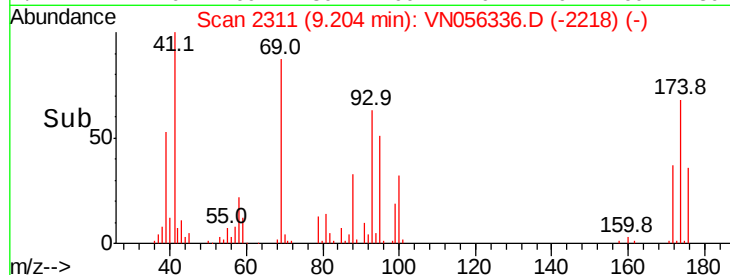
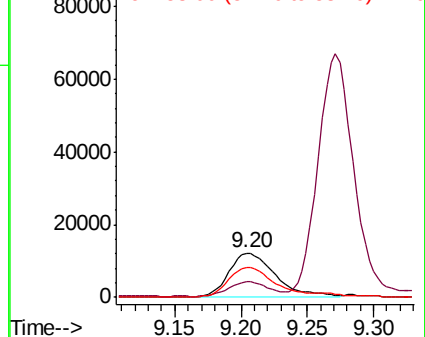
88 100

43 27.7 21.9 32.9

58 67.3 57.3 85.9



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: 50.817 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN056336.D

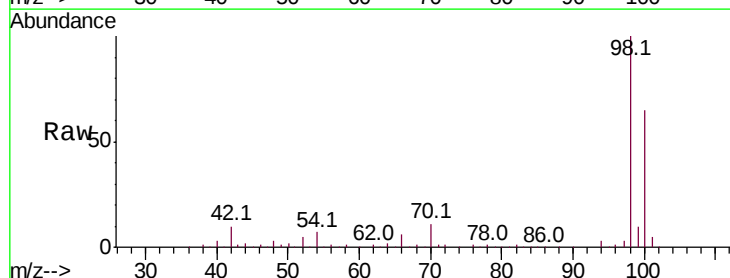
Acq: 17 Jun 2019 13:35

Tgt Ion: 98 Resp: 683706

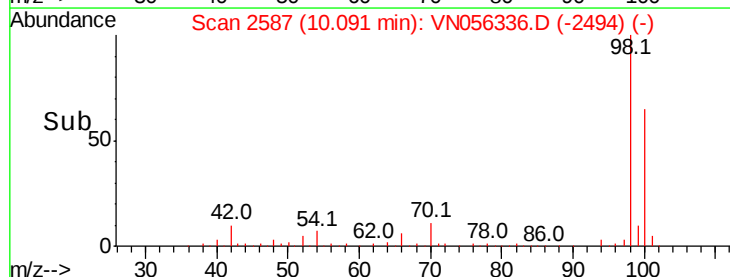
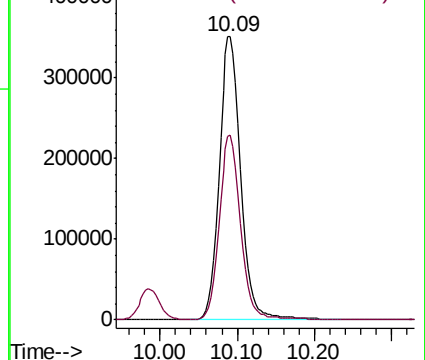
Ion Ratio Lower Upper

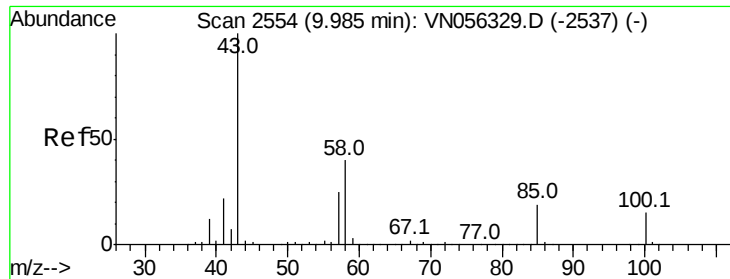
98 100

100 64.7 51.6 77.4



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: 97.753 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN056336.D

Acq: 17 Jun 2019 13:35

Instrument :

MSVOA_N

ClientSampled :

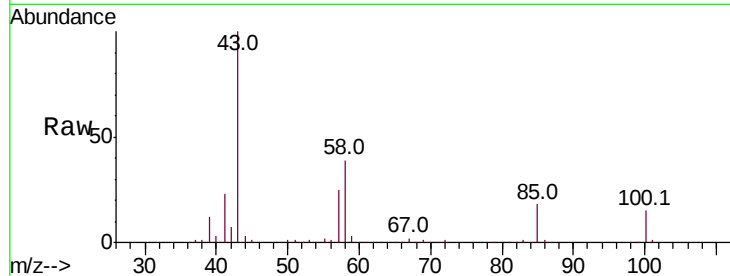
VN0617WBS01

Tot Ion: 43 Resp: 466760

Ion Ratio Lower Upper

43 100

58 39.6 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.99

250000

200000

150000

100000

50000

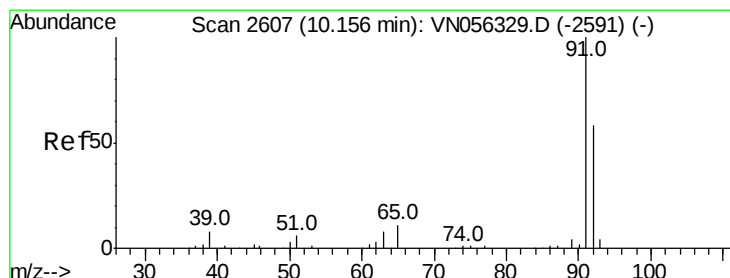
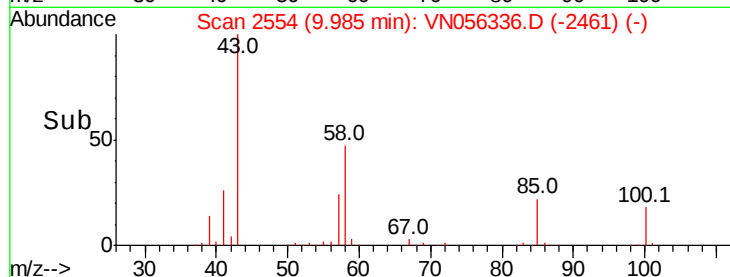
0

Time-->

9.90

10.00

10.10



#52

Toluene

Concen: 20.072 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN056336.D

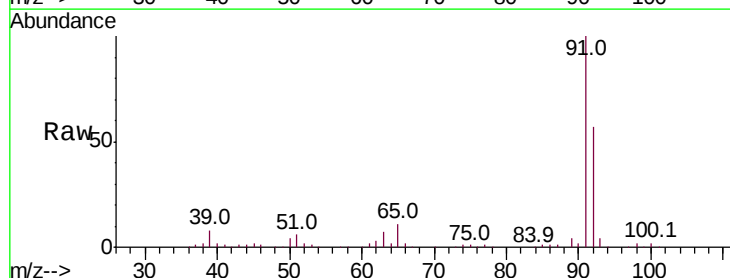
Acq: 17 Jun 2019 13:35

Tgt Ion: 92 Resp: 183671

Ion Ratio Lower Upper

92 100

91 174.5 139.1 208.7



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

200000

150000

100000

50000

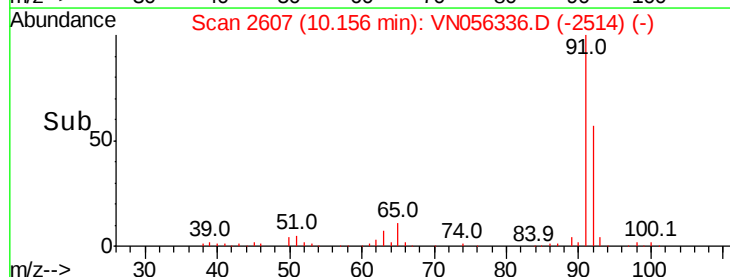
0

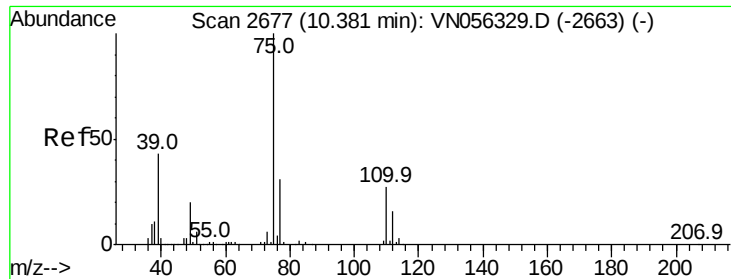
Time-->

10.10

10.20

10.30





#53

t-1,3-Dichloropropene

Concen: 17.462 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN056336.D

Acq: 17 Jun 2019 13:35

Instrument :

MSVOA_N

ClientSampled :

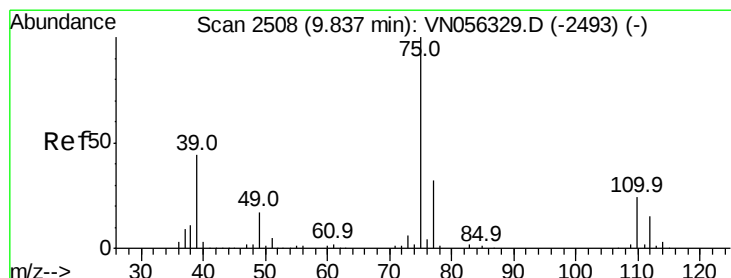
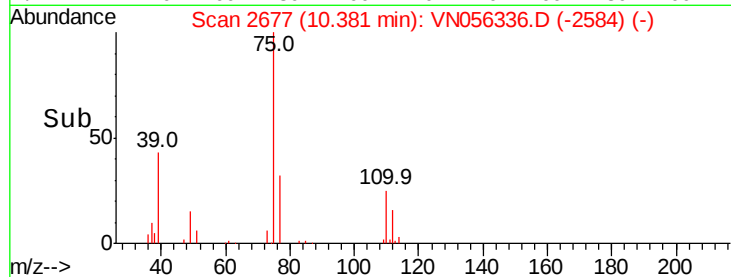
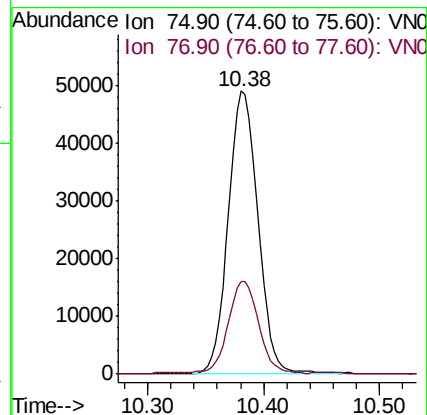
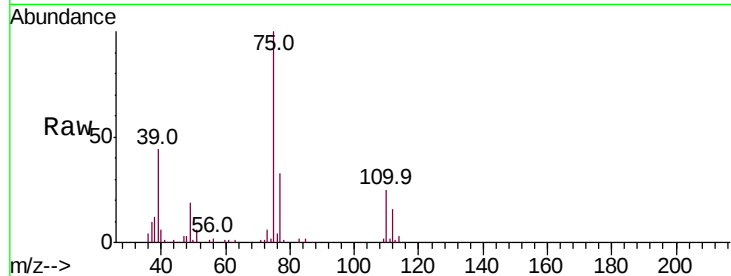
VN0617WBS01

Tot Ion: 75 Resp: 87217

Ion Ratio Lower Upper

75 100

77 32.5 25.1 37.7



#54

cis-1,3-Dichloropropene

Concen: 18.419 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN056336.D

Acq: 17 Jun 2019 13:35

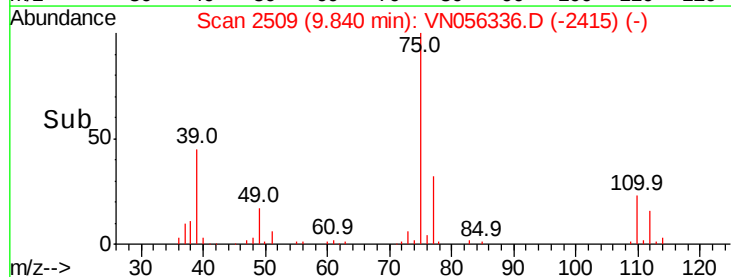
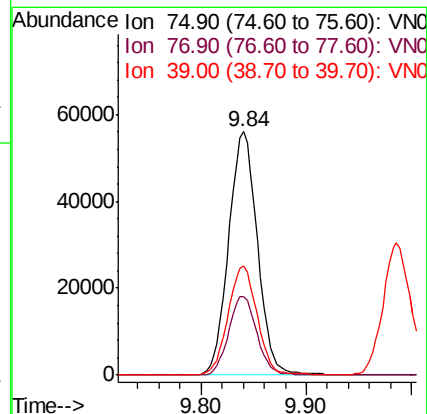
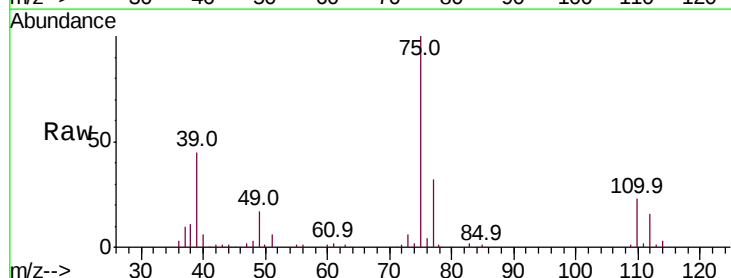
Tgt Ion: 75 Resp: 106113

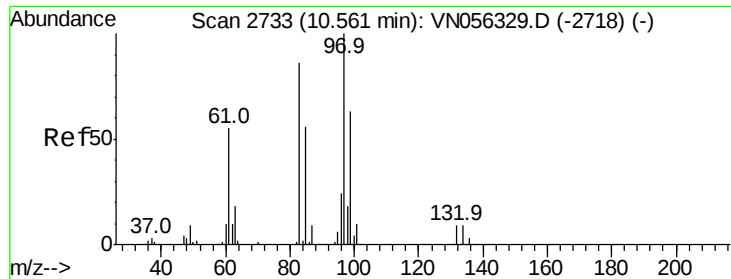
Ion Ratio Lower Upper

75 100

77 32.4 25.7 38.5

39 44.7 35.4 53.0

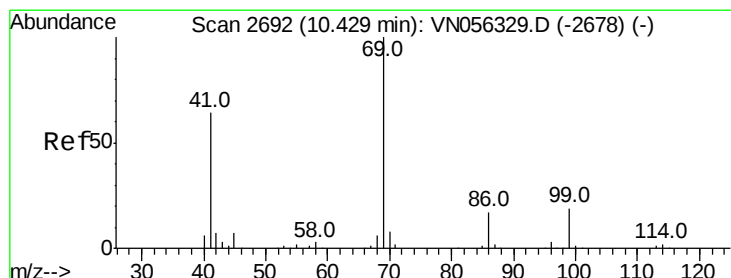
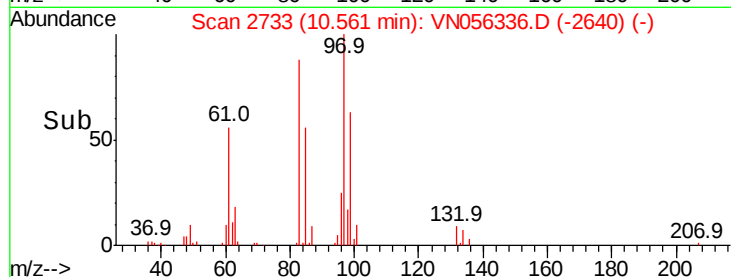
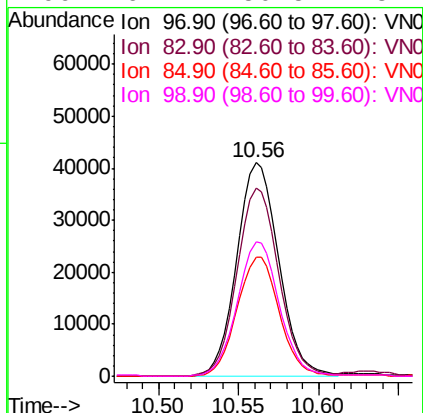
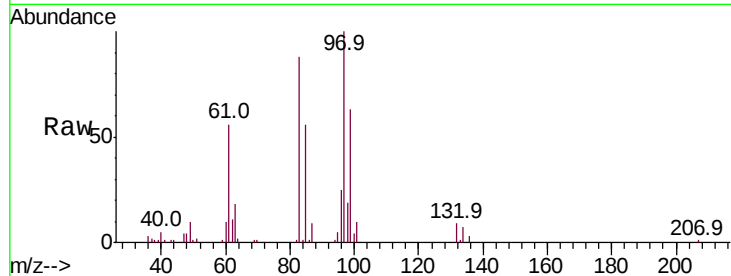




#55
 1,1,2-Trichloroethane
 Concen: 19.573 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN056336.D
 Acq: 17 Jun 2019 13:35

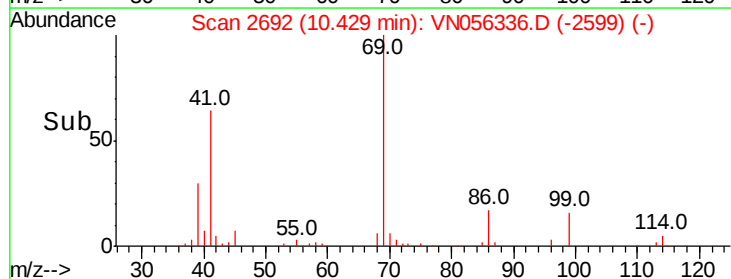
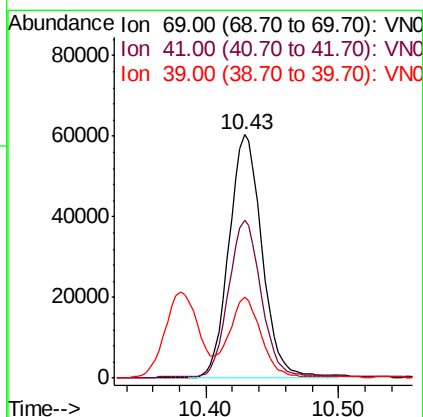
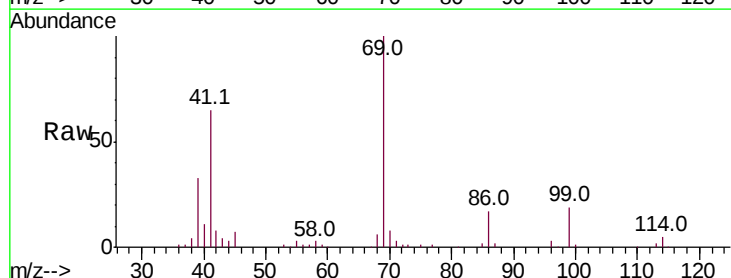
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0617WBS01

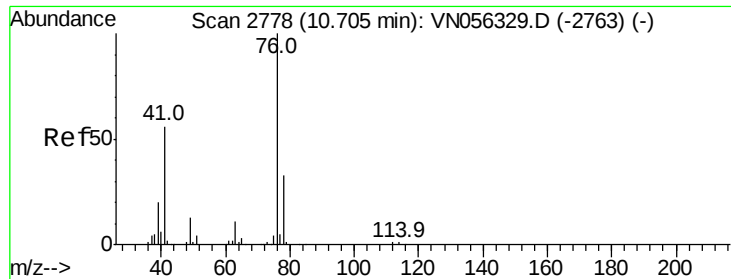
Tot Ion:	97	Resp:	73607
Ion	Ratio	Lower	Upper
97	100		
83	88.3	69.0	103.4
85	55.6	44.6	67.0
99	62.7	50.5	75.7



#56
 Ethyl methacrylate
 Concen: 19.402 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN056336.D
 Acq: 17 Jun 2019 13:35

Tgt Ion:	69	Resp:	104929
Ion	Ratio	Lower	Upper
69	100		
41	63.1	52.0	78.0
39	31.4	24.4	36.6

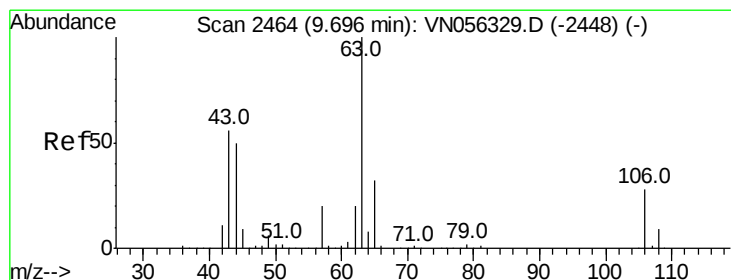
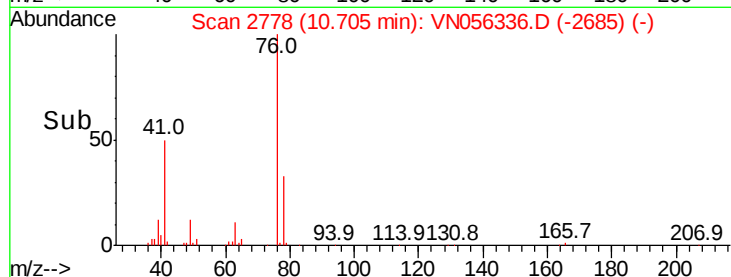
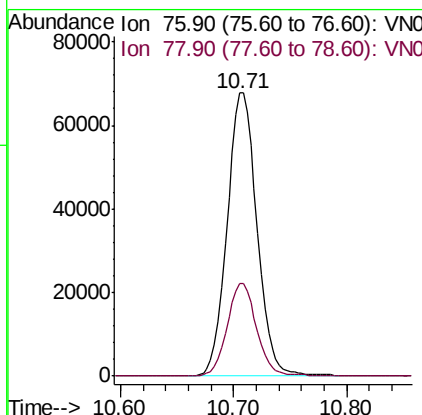
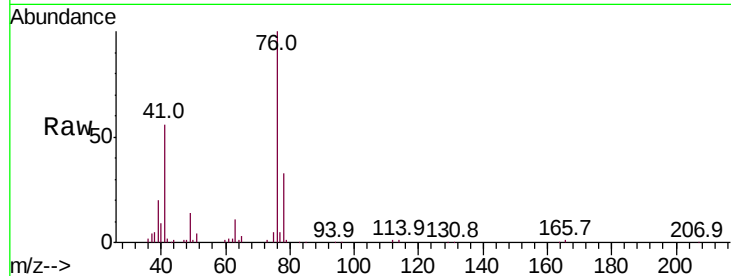




#57
 1,3-Dichloropropane
 Concen: 19.676 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN056336.D
 Acq: 17 Jun 2019 13:35

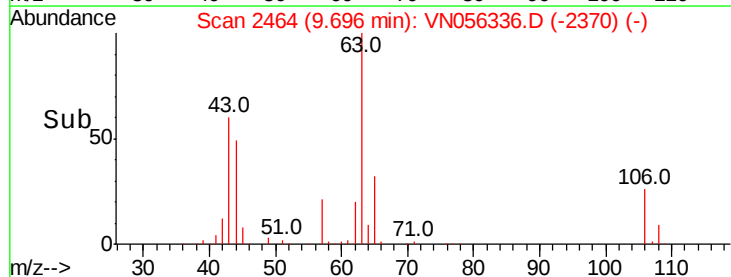
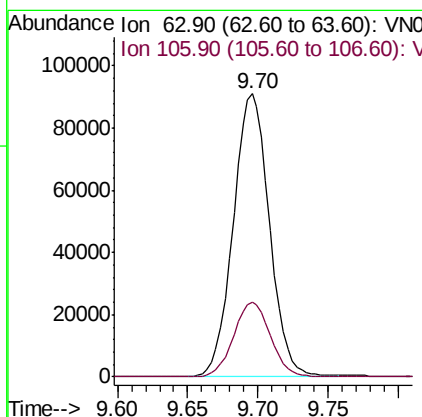
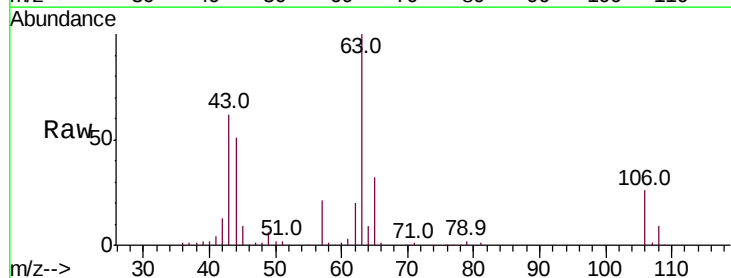
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0617WBS01

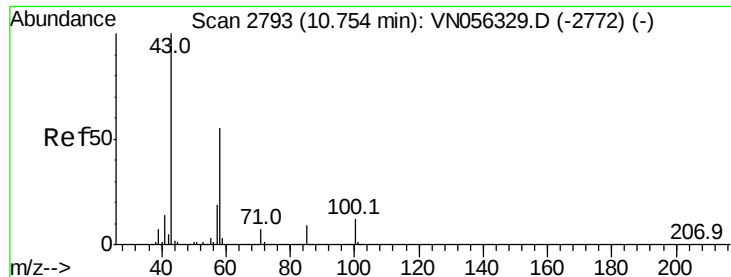
Tot Ion: 76 Resp: 124635
 Ion Ratio Lower Upper
 76 100
 78 32.2 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 91.624 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN056336.D
 Acq: 17 Jun 2019 13:35

Tgt Ion: 63 Resp: 163676
 Ion Ratio Lower Upper
 63 100
 106 26.8 22.2 33.2





#59

2-Hexanone

Concen: 95.683 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. -0.00 min

Lab File: VN056336.D

Acq: 17 Jun 2019 13:35

Instrument :

MSVOA_N

ClientSampleId :

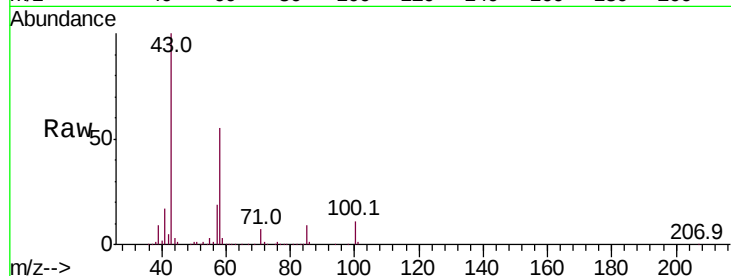
VN0617WBS01

Tot Ion: 43 Resp: 338841

Ion Ratio Lower Upper

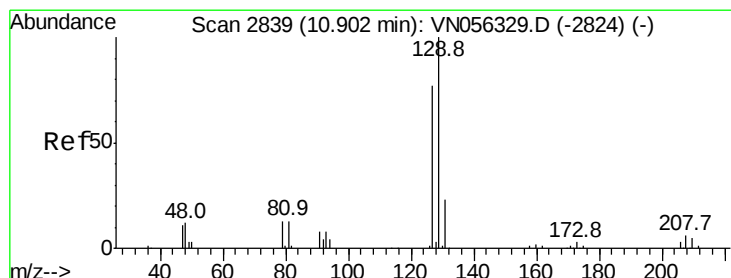
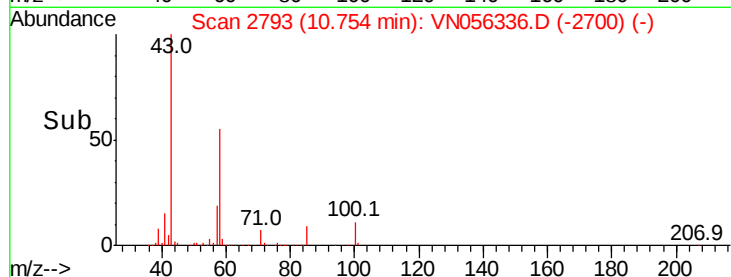
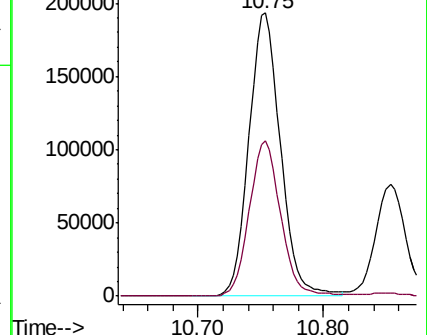
43 100

58 54.9 27.8 83.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#60

Dibromochloromethane

Concen: 17.326 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN056336.D

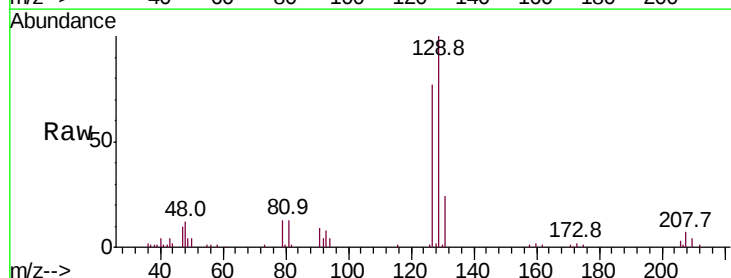
Acq: 17 Jun 2019 13:35

Tgt Ion: 129 Resp: 68339

Ion Ratio Lower Upper

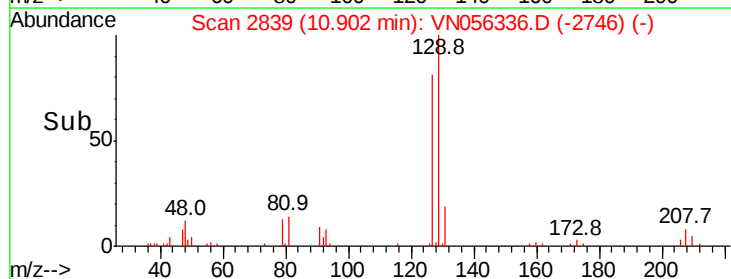
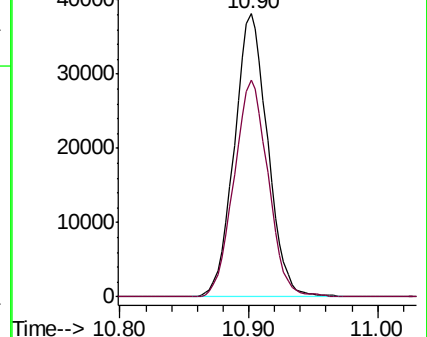
129 100

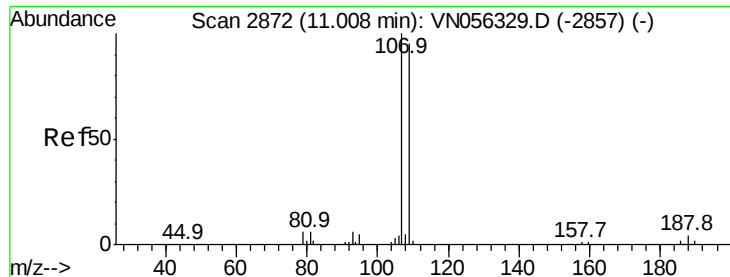
127 78.2 38.6 116.0



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#61

1,2-Dibromoethane

Concen: 19.369 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VN056336.D

Acq: 17 Jun 2019 13:35

Instrument :

MSVOA_N

ClientSampleId :

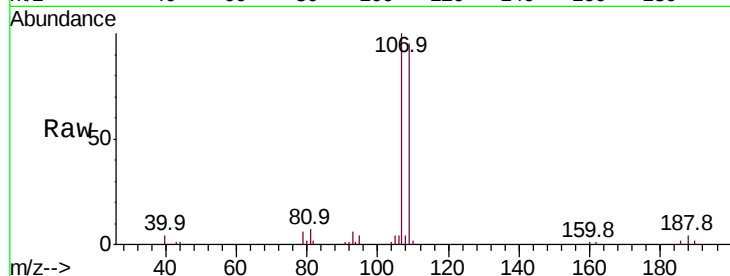
VN0617WBS01

Tot Ion:107 Resp: 74875

Ion Ratio Lower Upper

107 100

109 96.7 75.4 113.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.01

40000

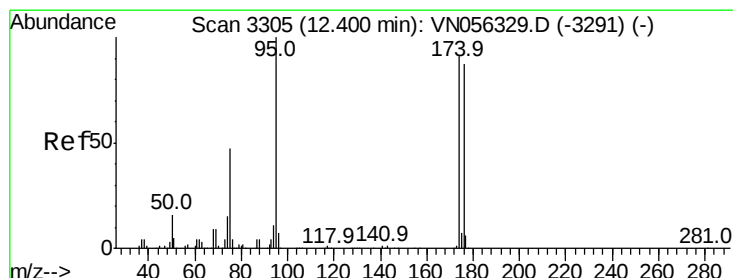
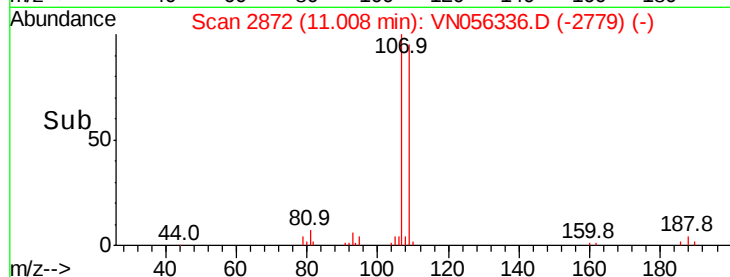
30000

20000

10000

0

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 50.082 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN056336.D

Acq: 17 Jun 2019 13:35

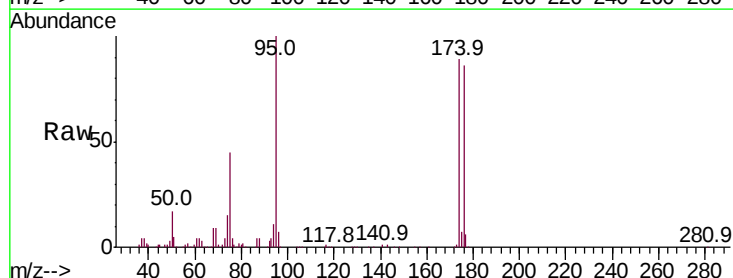
Tgt Ion: 95 Resp: 223285

Ion Ratio Lower Upper

95 100

174 90.4 0.0 182.6

176 86.9 0.0 176.8



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

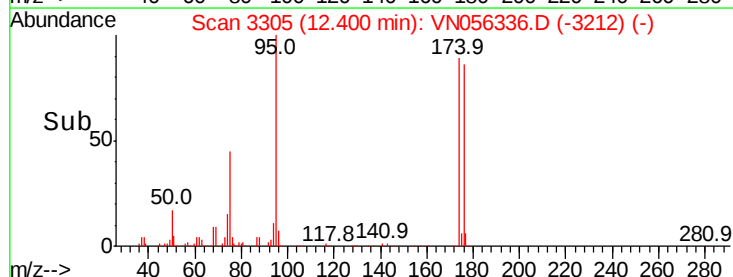
150000

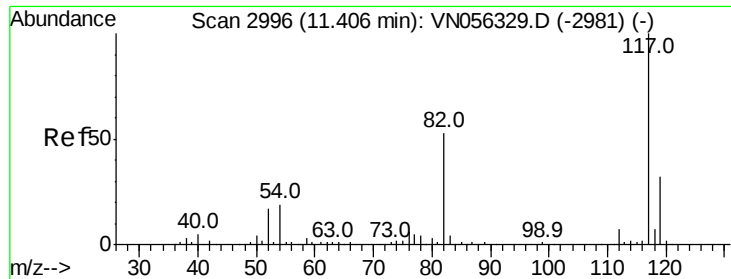
100000

50000

0

Time--> 12.30 12.40 12.50

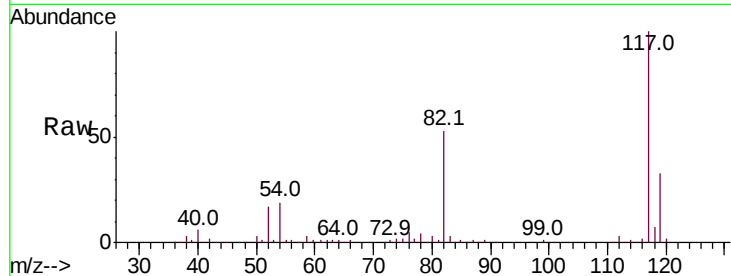




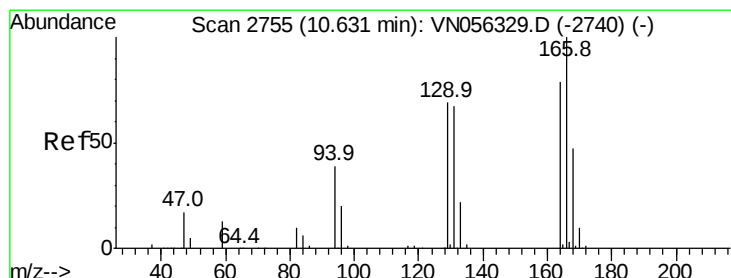
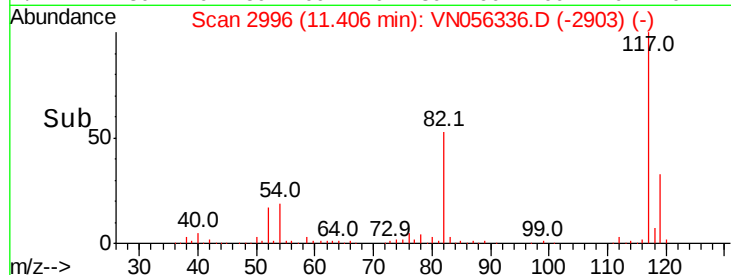
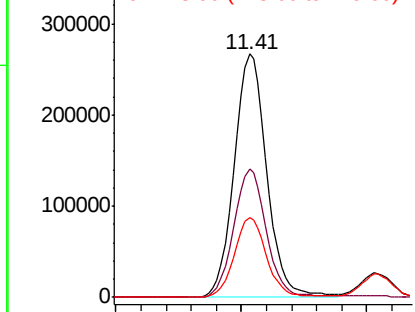
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056336.D
Acq: 17 Jun 2019 13:35

Instrument :
MSVOA_N
ClientSampled :
VN0617WBS01

Tot Ion:117 Resp: 481872
Ion Ratio Lower Upper
117 100
82 52.6 42.4 63.6
119 32.7 26.0 39.0

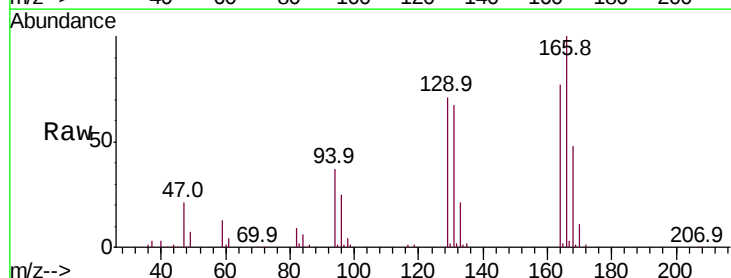


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

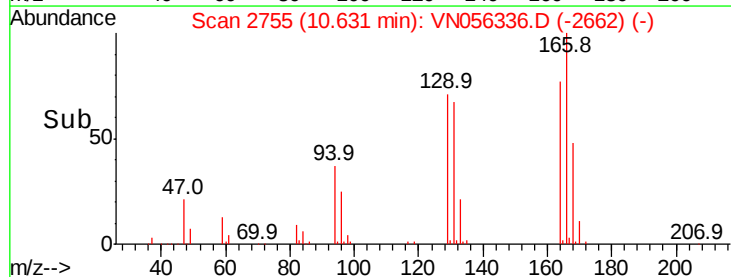
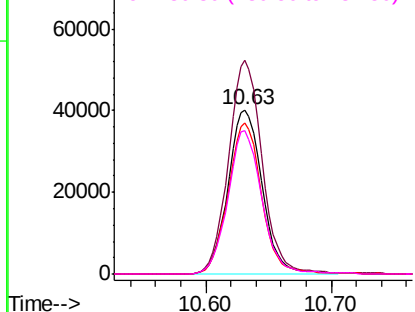


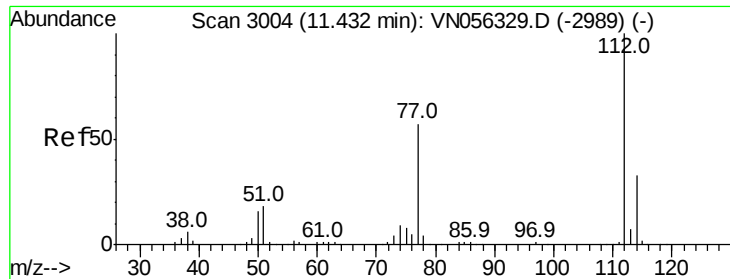
#64
Tetrachloroethene
Concen: 19.278 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN056336.D
Acq: 17 Jun 2019 13:35

Tgt Ion:164 Resp: 76180
Ion Ratio Lower Upper
164 100
166 130.4 101.8 152.6
129 91.9 70.3 105.5
131 87.9 68.2 102.4



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

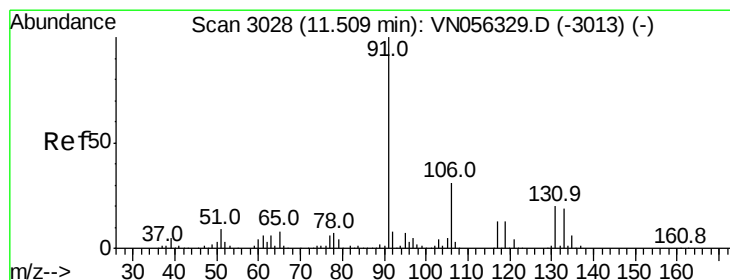
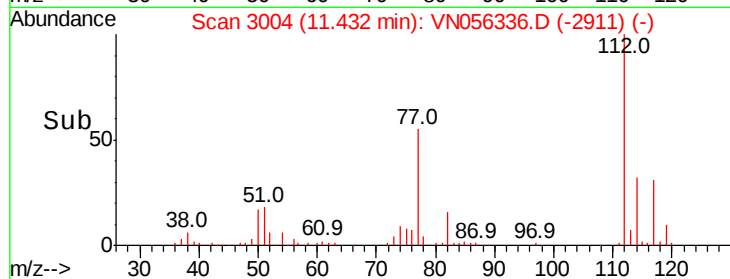
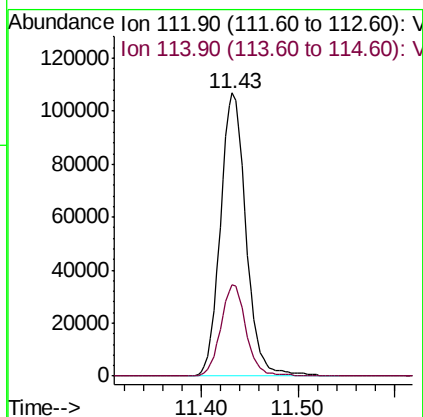
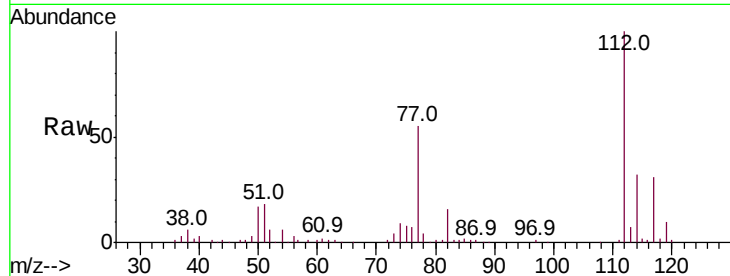




#65
Chlorobenzene
Concen: 20.090 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN056336.D
Acq: 17 Jun 2019 13:35

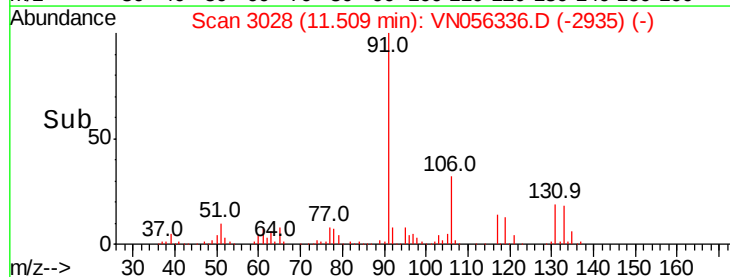
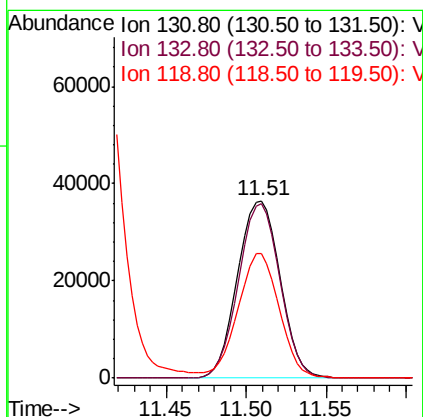
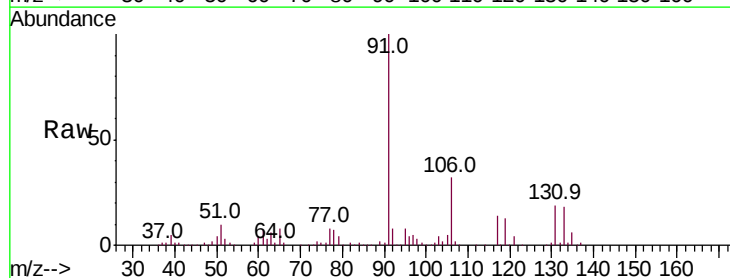
Instrument :
MSVOA_N
ClientSampled :
VN0617WBS01

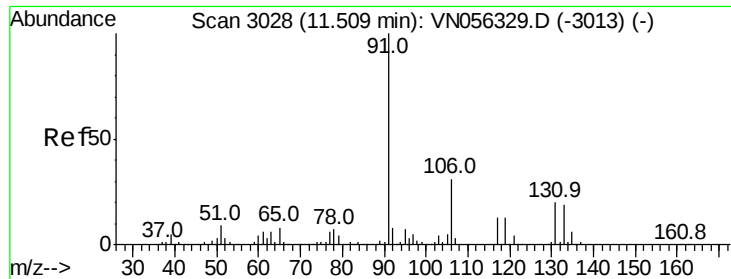
Tot Ion:112 Resp: 196548
Ion Ratio Lower Upper
112 100
114 32.2 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 18.188 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN056336.D
Acq: 17 Jun 2019 13:35

Tgt Ion:131 Resp: 66429
Ion Ratio Lower Upper
131 100
133 95.4 47.9 143.7
119 68.3 33.5 100.5

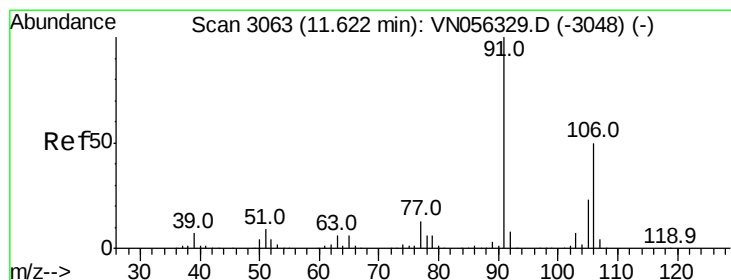
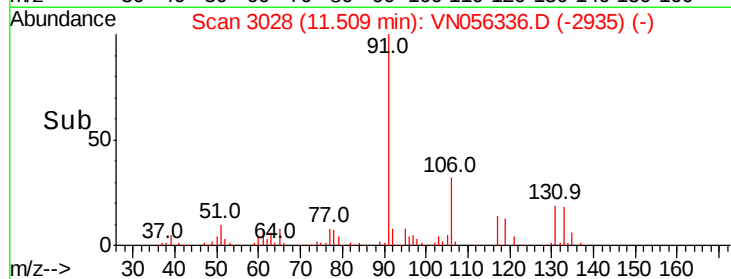
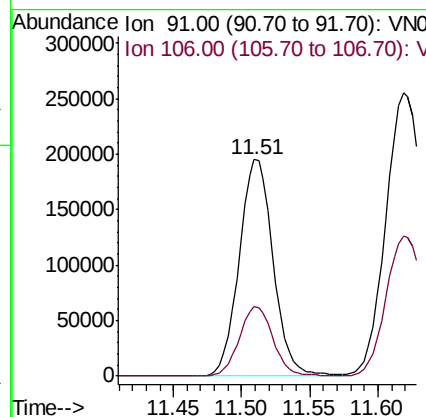
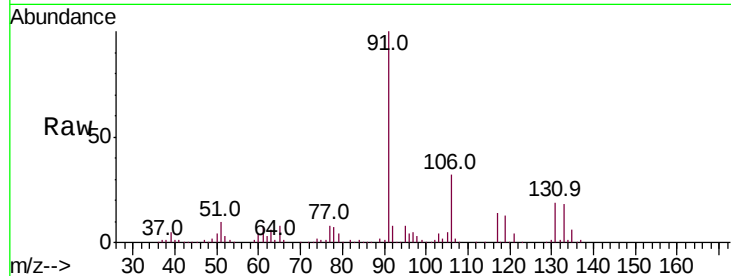




#67
Ethyl Benzene
Concen: 20.096 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN056336.D
Acq: 17 Jun 2019 13:35

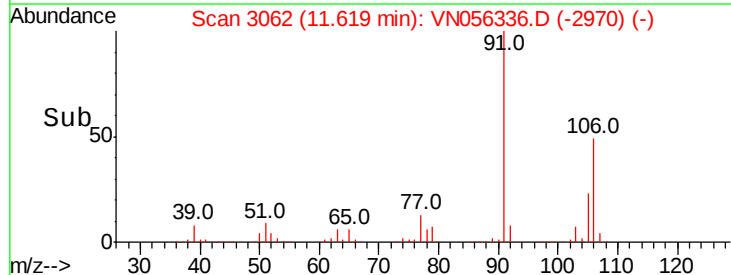
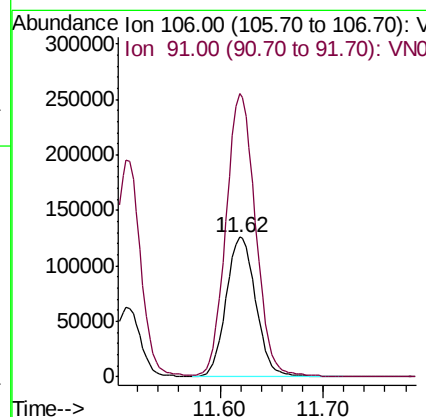
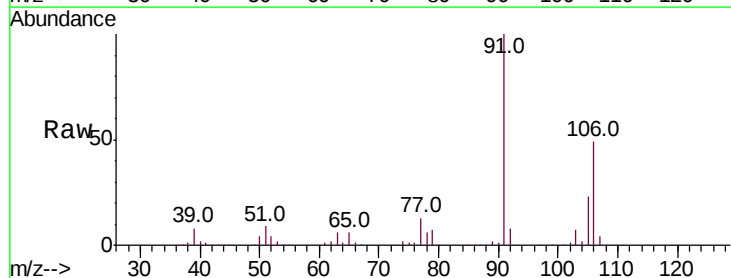
Instrument :
MSVOA_N
ClientSampleId :
VN0617WBS01

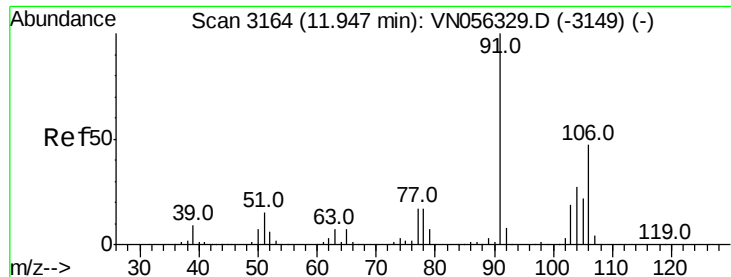
Tot Ion: 91 Resp: 338410
Ion Ratio Lower Upper
91 100
106 31.9 25.0 37.6



#68
m/p-Xylenes
Concen: 40.505 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN056336.D
Acq: 17 Jun 2019 13:35

Tgt Ion: 106 Resp: 253869
Ion Ratio Lower Upper
106 100
91 201.4 160.7 241.1

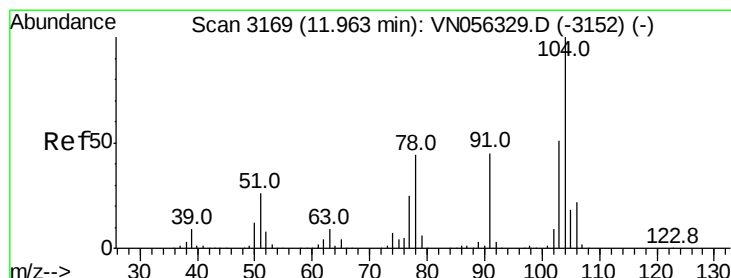
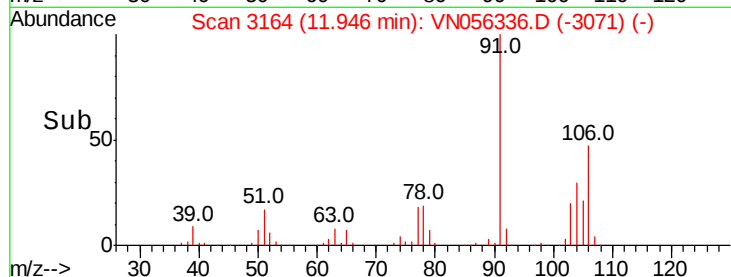
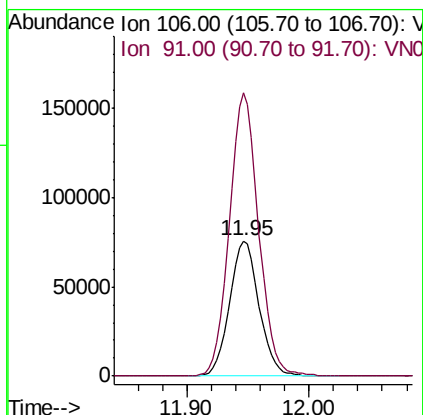
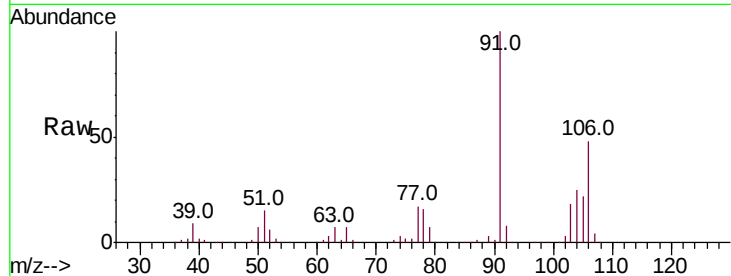




#69
o-Xylene
Concen: 20.618 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN056336.D
Acq: 17 Jun 2019 13:35

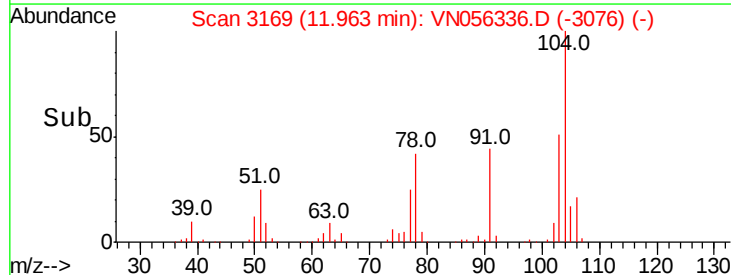
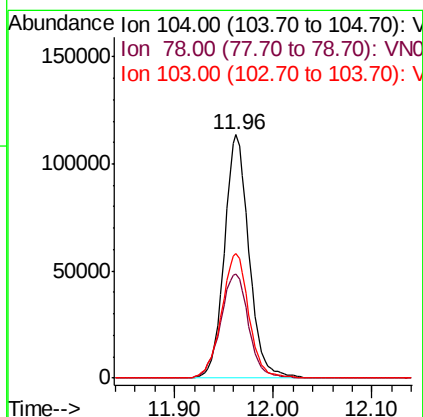
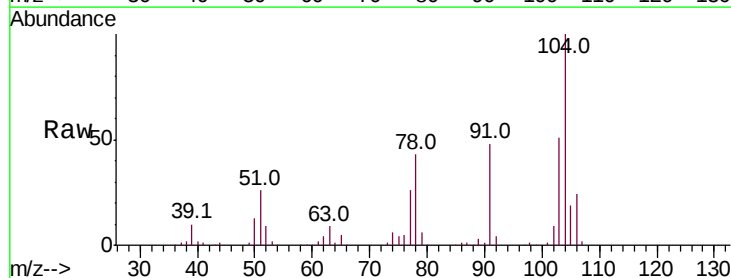
Instrument :
MSVOA_N
ClientSampleId :
VN0617WBS01

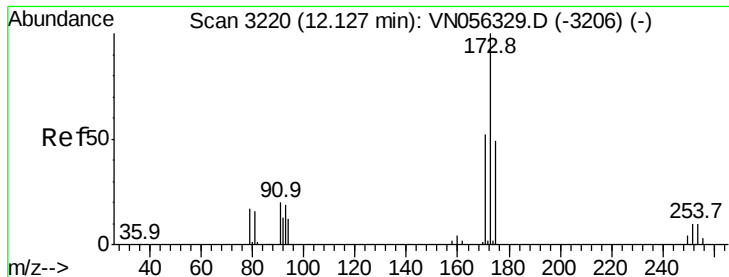
Tot Ion:106 Resp: 127382
Ion Ratio Lower Upper
106 100
91 207.8 105.6 316.7



#70
Styrene
Concen: 19.994 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN056336.D
Acq: 17 Jun 2019 13:35

Tgt Ion:104 Resp: 199437
Ion Ratio Lower Upper
104 100
78 48.5 38.4 57.6
103 56.7 44.0 66.0





#71

Bromoform

Concen: 16.329 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN056336.D

Acq: 17 Jun 2019 13:35

Instrument :

MSVOA_N

ClientSampleId :

VN0617WBS01

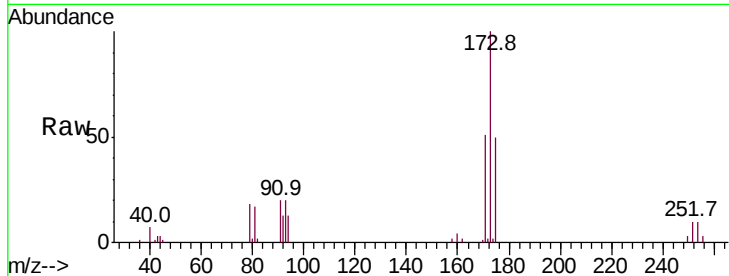
Tot Ion:173 Resp: 46349

Ion Ratio Lower Upper

173 100

175 48.4 24.3 73.0

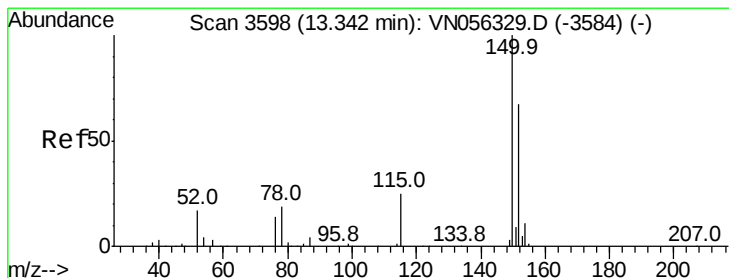
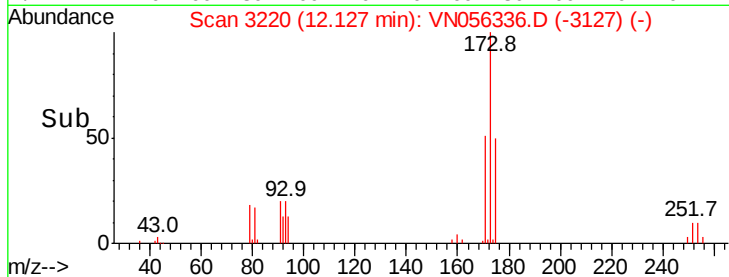
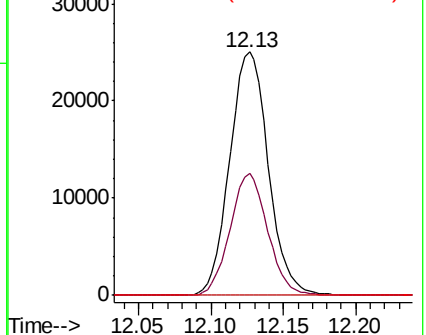
254 0.0 0.0 0.0



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: VN056336.D

Acq: 17 Jun 2019 13:35

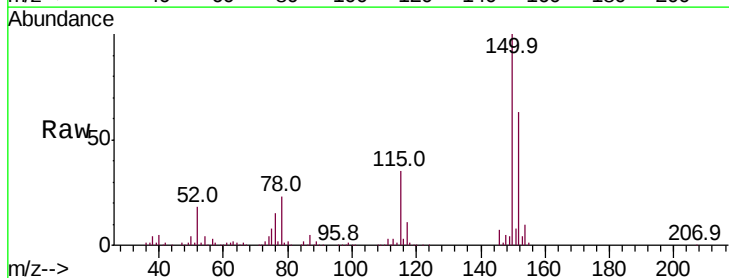
Tgt Ion:152 Resp: 183562

Ion Ratio Lower Upper

152 100

115 55.8 27.8 83.3

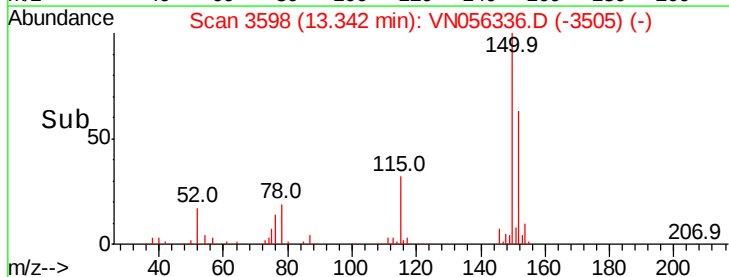
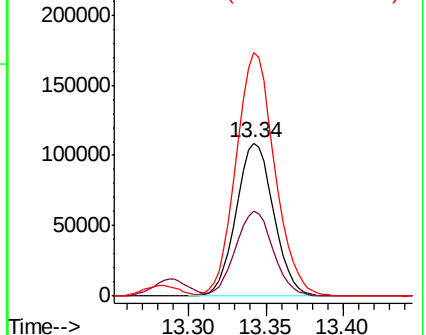
150 163.9 0.0 345.8

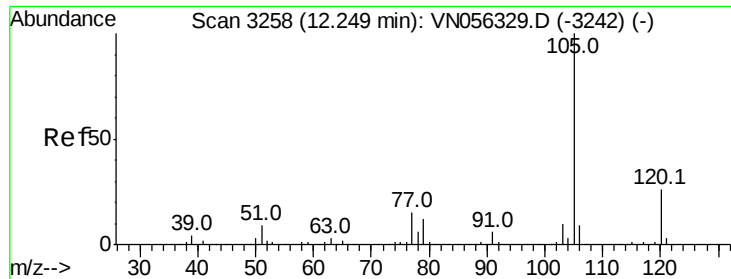


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 22.022 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056336.D

Acq: 17 Jun 2019 13:35

Instrument :

MSVOA_N

ClientSampleId :

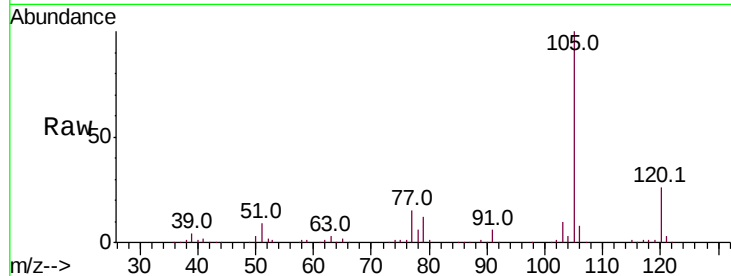
VN0617WBS01

Tot Ion:105 Resp: 329507

Ion Ratio Lower Upper

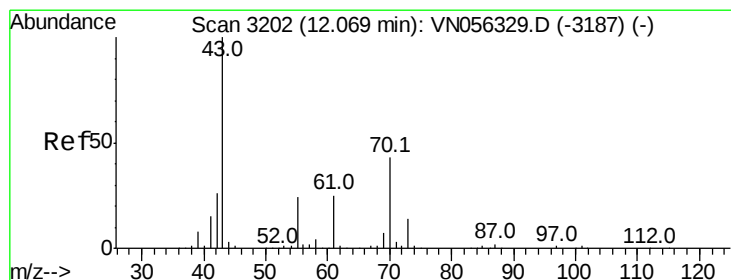
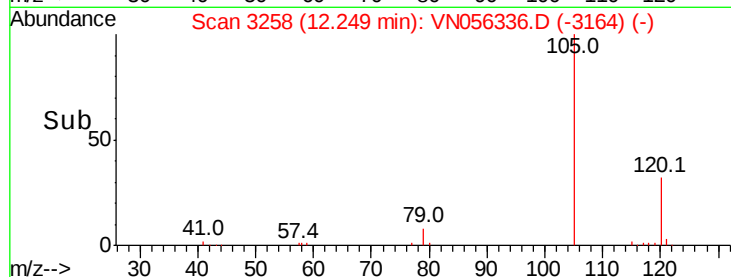
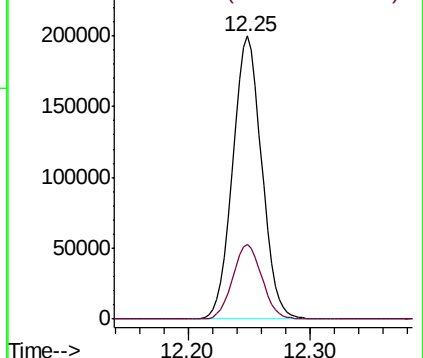
105 100

120 26.7 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.859 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN056336.D

Acq: 17 Jun 2019 13:35

Tgt Ion: 43 Resp: 114555

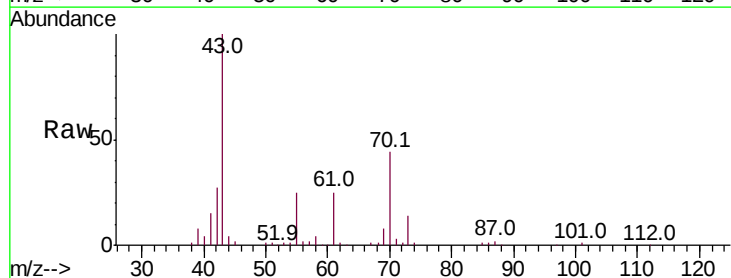
Ion Ratio Lower Upper

43 100

70 43.6 34.2 51.2

55 25.8 19.9 29.9

61 25.2 19.7 29.5

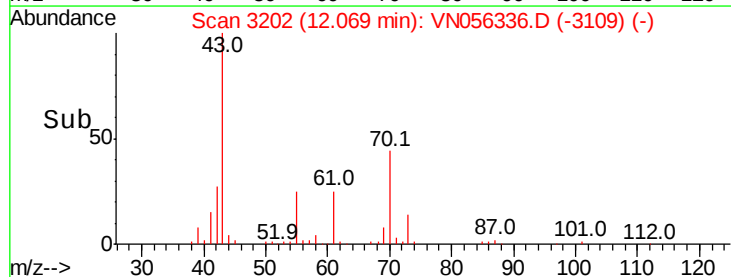
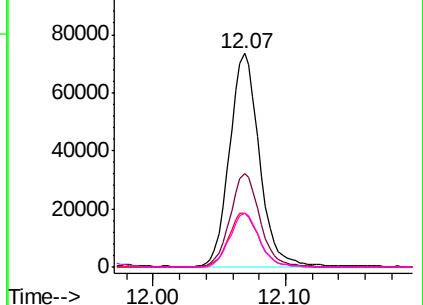


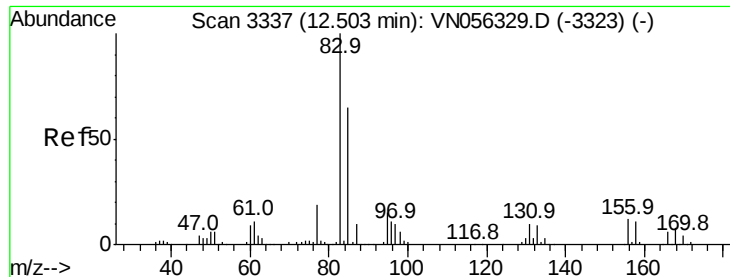
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.906 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056336.D

Acq: 17 Jun 2019 13:35

Instrument :

MSVOA_N

ClientSampleId :

VN0617WBS01

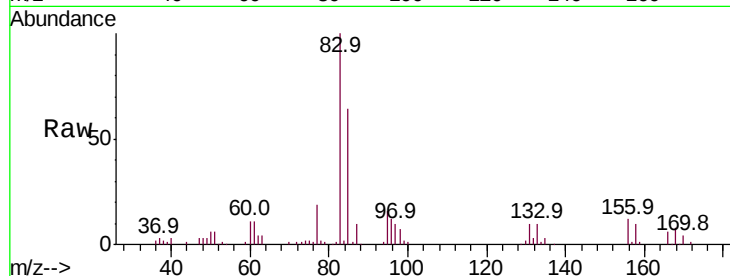
Tot Ion: 83 Resp: 102726

Ion Ratio Lower Upper

83 100

131 10.4 5.3 15.8

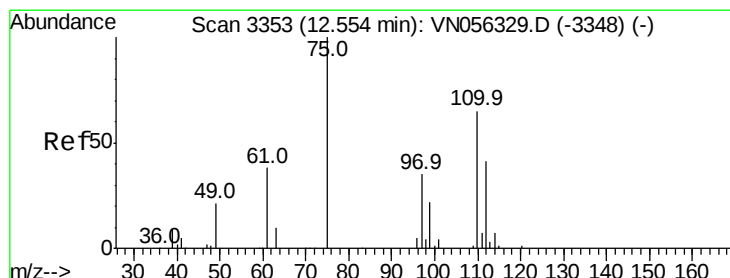
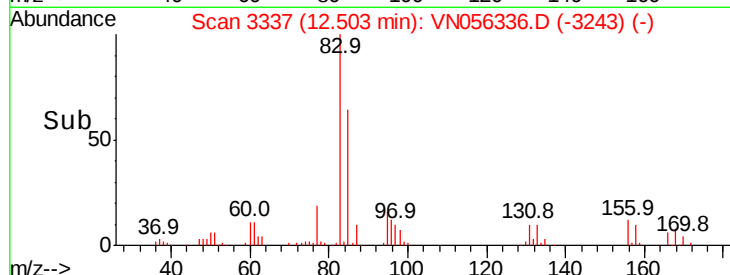
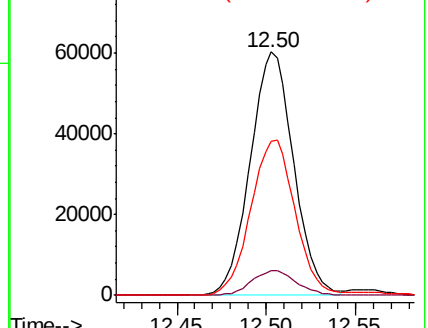
85 64.9 32.2 96.6



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: 23.017 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN056336.D

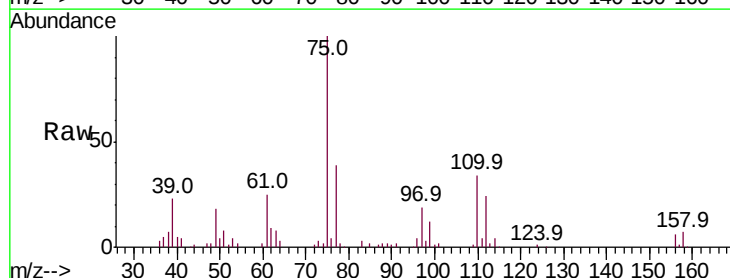
Acq: 17 Jun 2019 13:35

Tgt Ion: 75 Resp: 90269

Ion Ratio Lower Upper

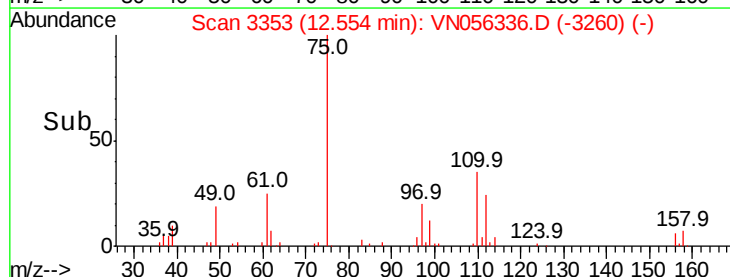
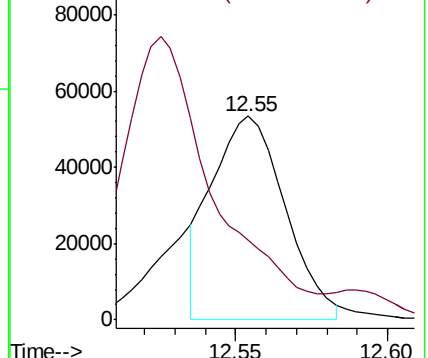
75 100

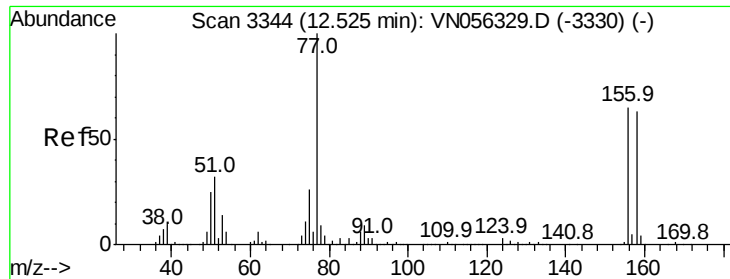
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 21.626 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056336.D

Acq: 17 Jun 2019 13:35

Instrument :

MSVOA_N

ClientSampleId :

VN0617WBS01

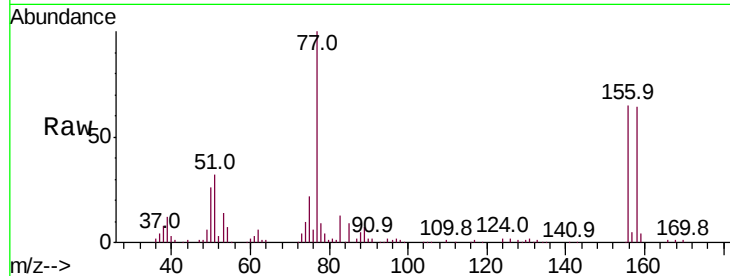
Tot Ion:156 Resp: 85229

Ion Ratio Lower Upper

156 100

77 186.2 92.9 278.7

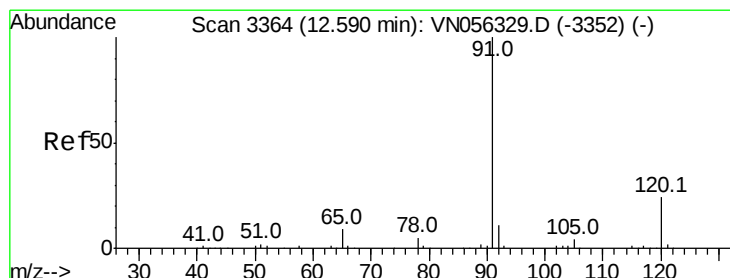
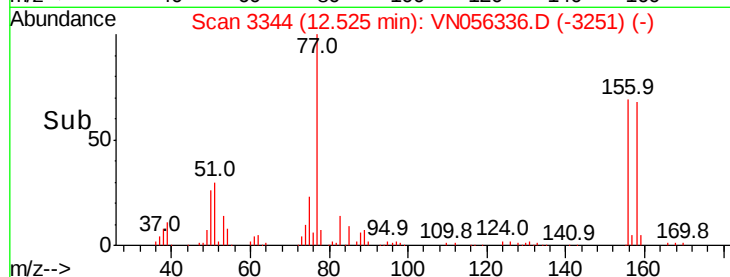
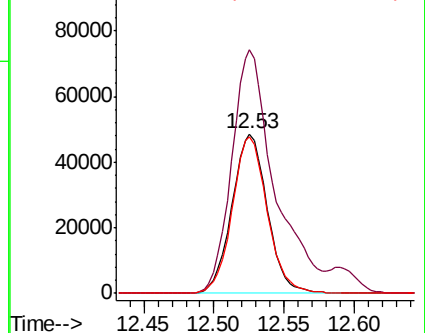
158 97.2 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.617 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN056336.D

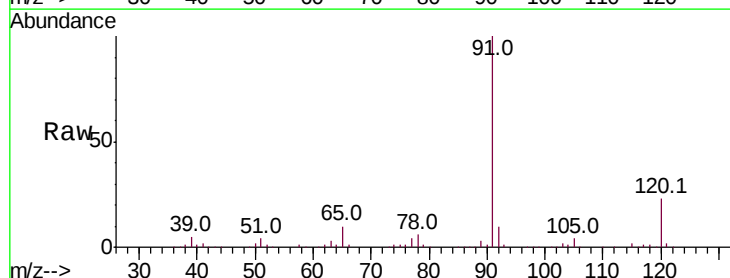
Acq: 17 Jun 2019 13:35

Tgt Ion: 91 Resp: 339710

Ion Ratio Lower Upper

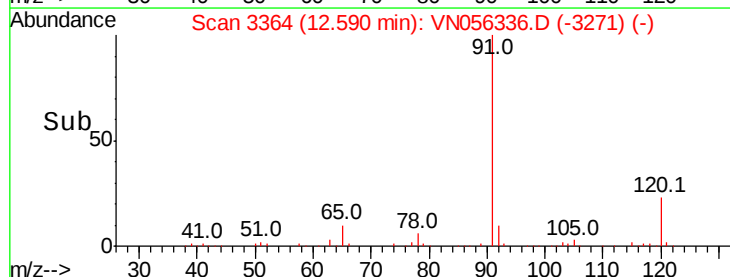
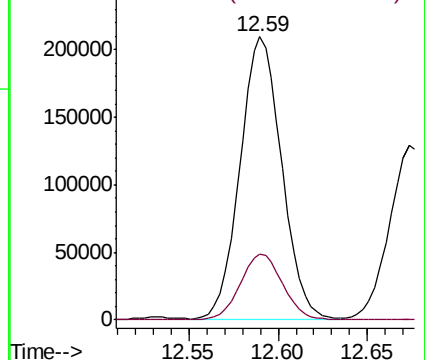
91 100

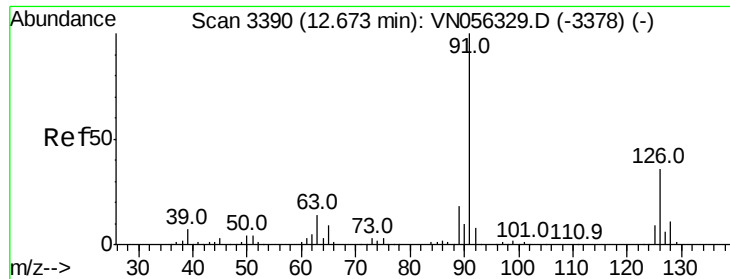
120 23.9 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

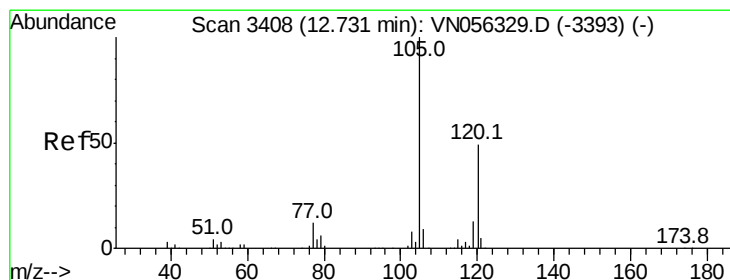
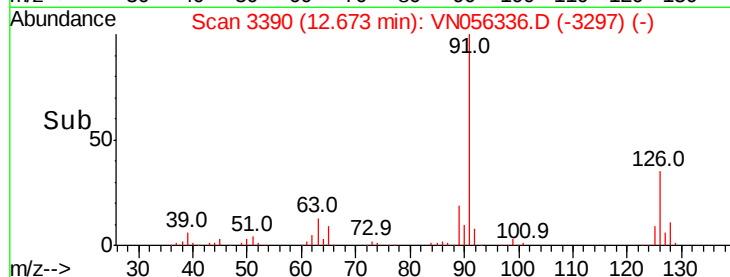
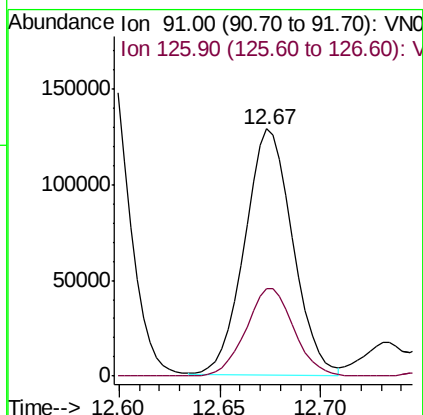
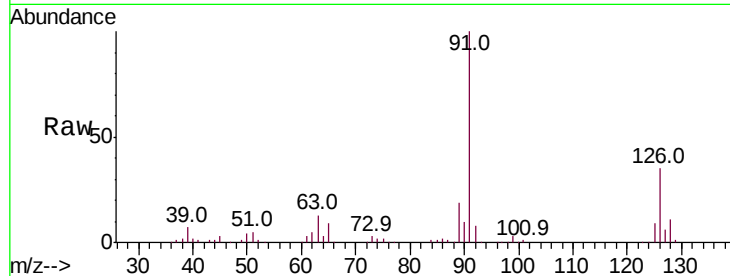




#79
 2-Chlorotoluene
 Concen: 21.544 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN056336.D
 Acq: 17 Jun 2019 13:35

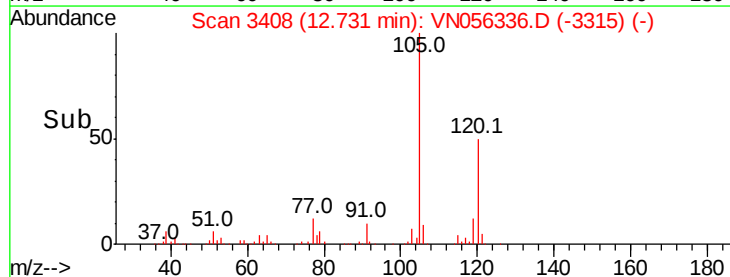
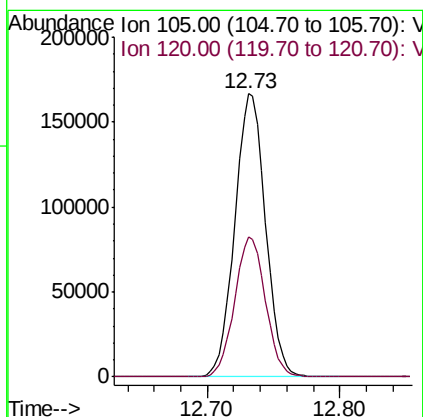
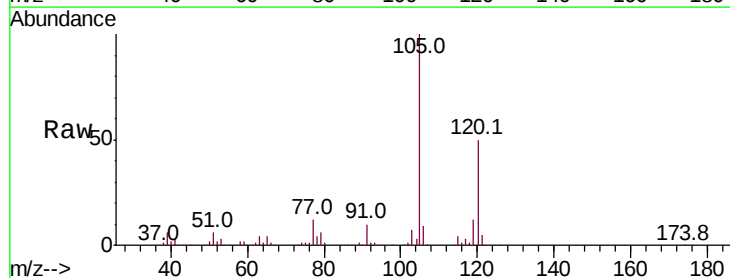
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0617WBS01

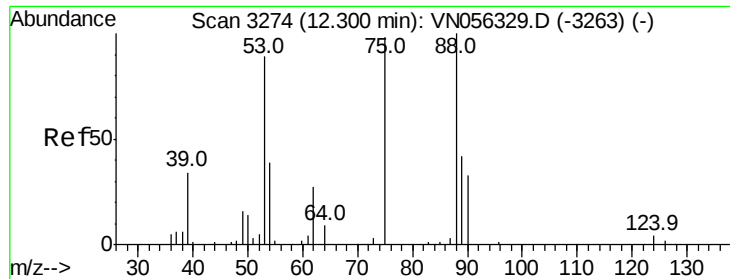
Tot Ion: 91 Resp: 214074
 Ion Ratio Lower Upper
 91 100
 126 35.7 18.0 54.0



#80
 1,3,5-Trimethylbenzene
 Concen: 20.904 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. -0.00 min
 Lab File: VN056336.D
 Acq: 17 Jun 2019 13:35

Tgt Ion: 105 Resp: 267697
 Ion Ratio Lower Upper
 105 100
 120 49.5 24.4 73.4





#81

trans-1,4-Dichloro-2-butene

Concen: 15.983 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN056336.D

Acq: 17 Jun 2019 13:35

Instrument :

MSVOA_N

ClientSampleId :

VN0617WBS01

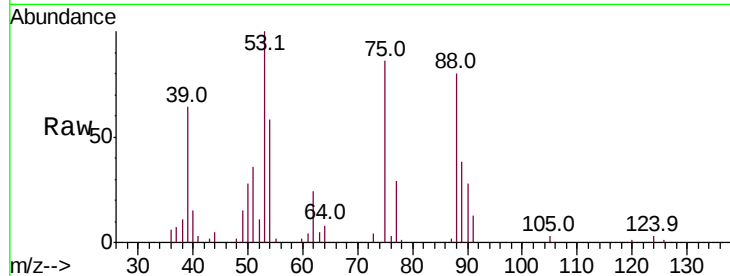
Tot Ion: 75 Resp: 20176

Ion Ratio Lower Upper

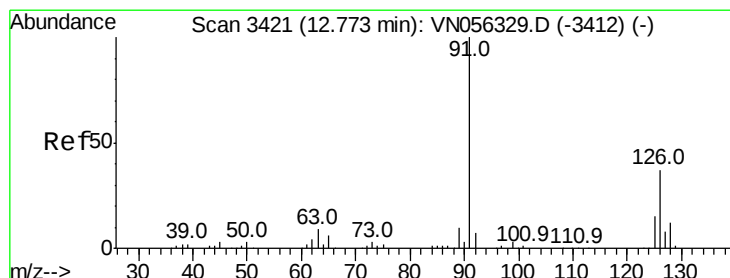
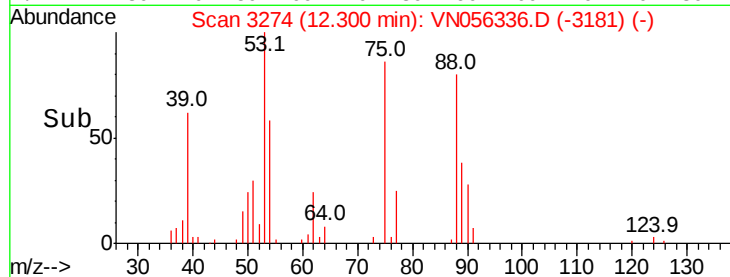
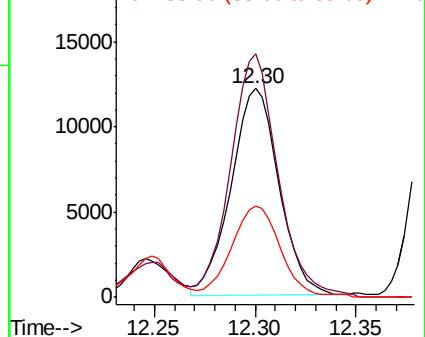
75 100

53 116.7 73.5 110.3#

89 45.4 35.4 53.2



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 53.00 (52.70 to 53.70): VNO
Ion 88.90 (88.60 to 89.60): VNO



#82

4-Chlorotoluene

Concen: 20.517 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN056336.D

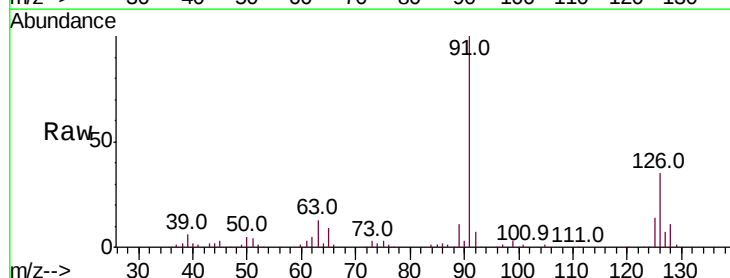
Acq: 17 Jun 2019 13:35

Tgt Ion: 91 Resp: 198443

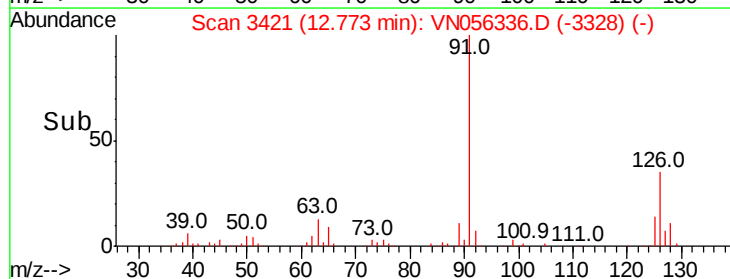
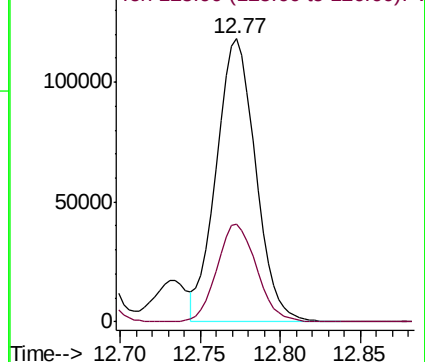
Ion Ratio Lower Upper

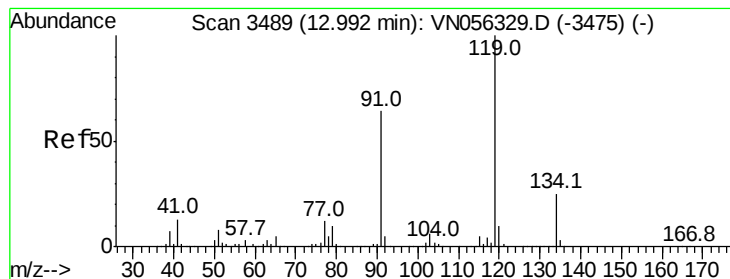
91 100

126 34.8 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VNO
Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 22.035 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN056336.D

Acq: 17 Jun 2019 13:35

Instrument :

MSVOA_N

ClientSampleId :

VN0617WBS01

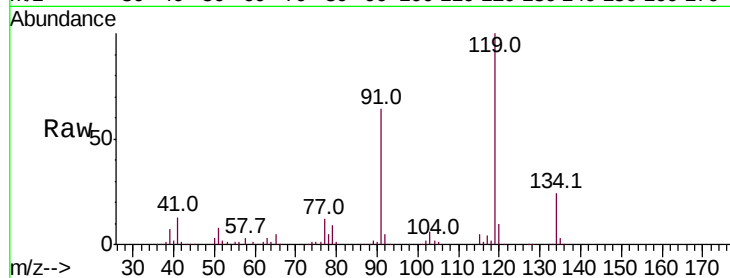
Tot Ion:119 Resp: 236862

Ion Ratio Lower Upper

119 100

91 62.2 31.5 94.5

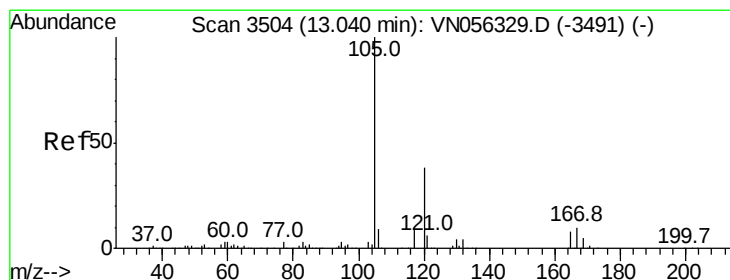
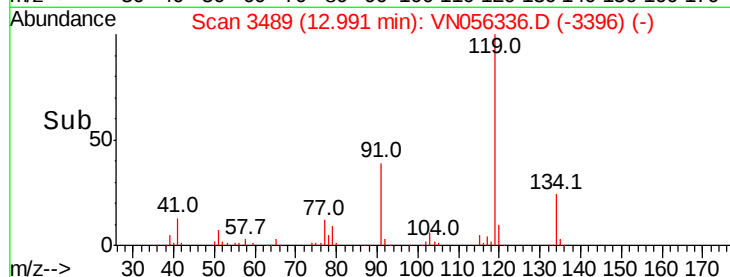
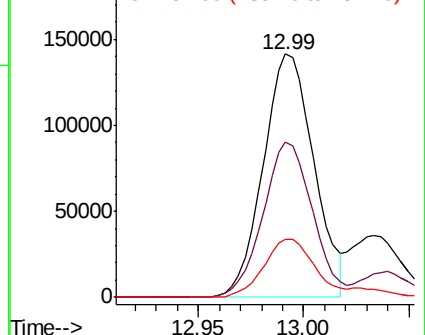
134 26.7 13.6 40.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 21.203 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN056336.D

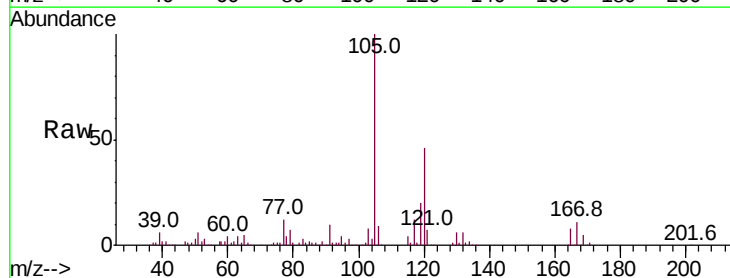
Acq: 17 Jun 2019 13:35

Tgt Ion:105 Resp: 252856

Ion Ratio Lower Upper

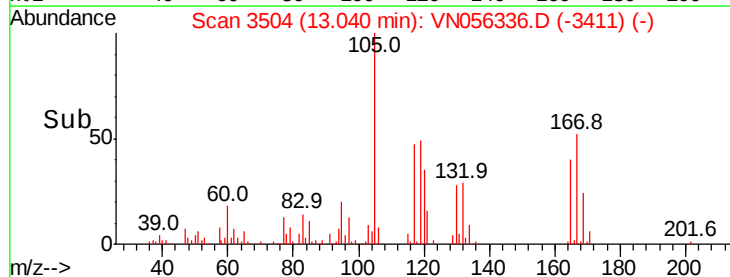
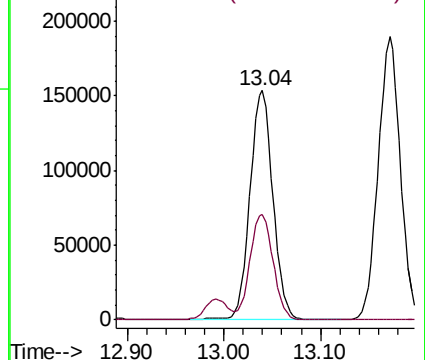
105 100

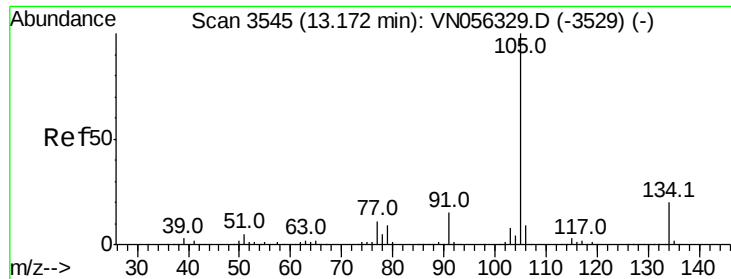
120 46.5 23.1 69.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

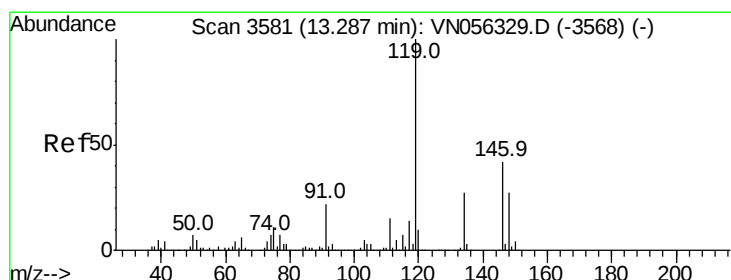
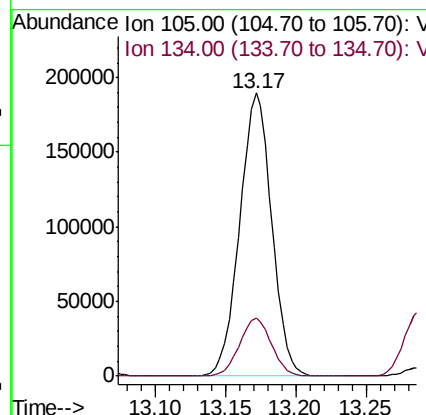
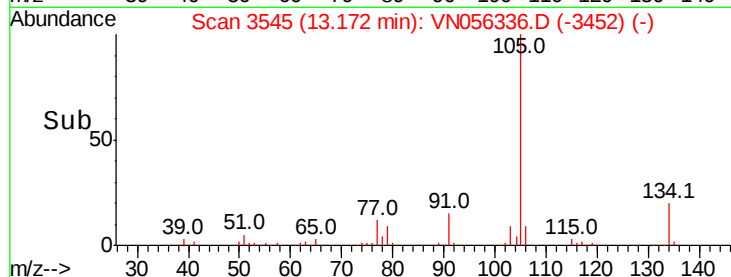
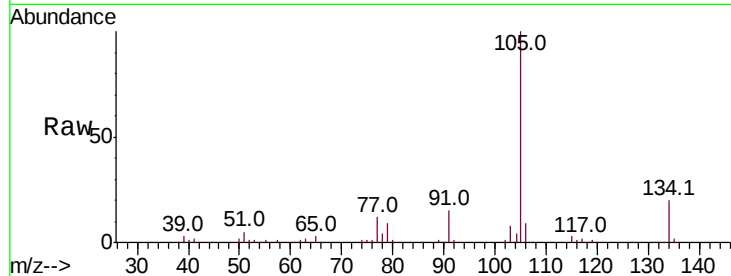




#85
 sec-Butylbenzene
 Concen: 20.806 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN056336.D
 Acq: 17 Jun 2019 13:35

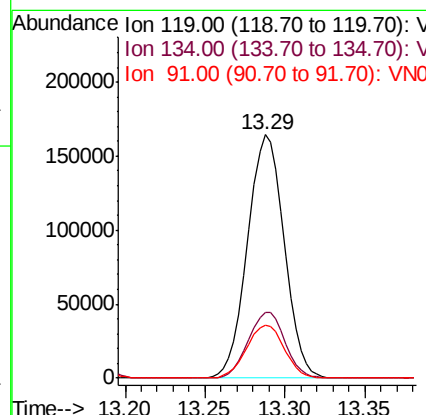
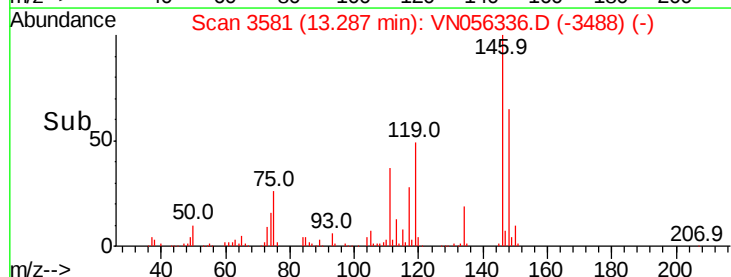
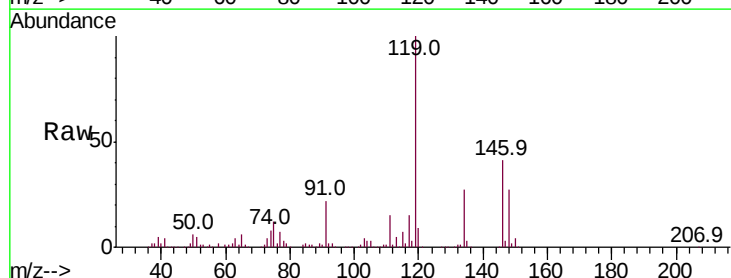
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0617WBS01

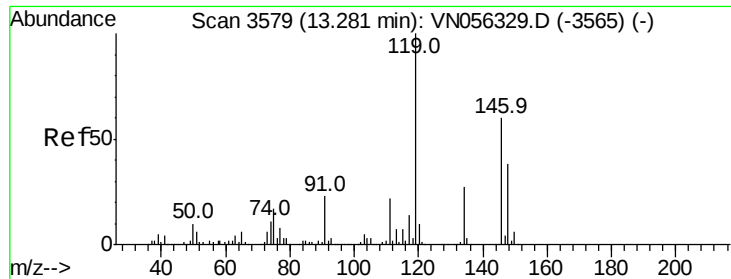
Tot Ion:105 Resp: 300683
 Ion Ratio Lower Upper
 105 100
 134 20.5 10.2 30.4



#86
 p-Isopropyltoluene
 Concen: 20.769 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN056336.D
 Acq: 17 Jun 2019 13:35

Tgt Ion:119 Resp: 256918
 Ion Ratio Lower Upper
 119 100
 134 27.2 13.5 40.4
 91 22.4 11.0 33.0

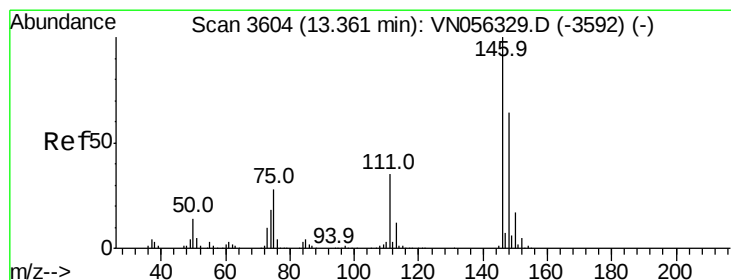
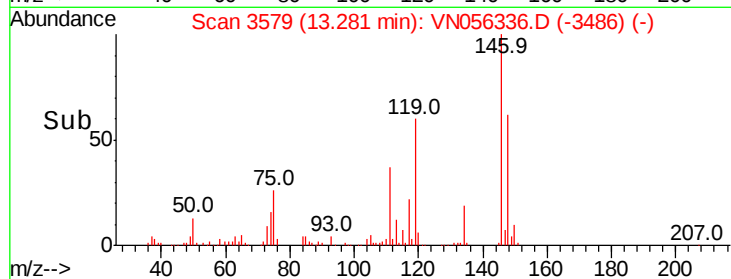
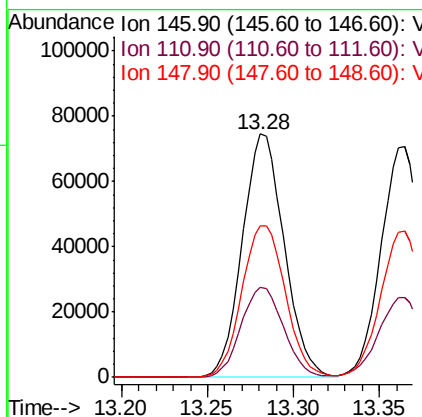
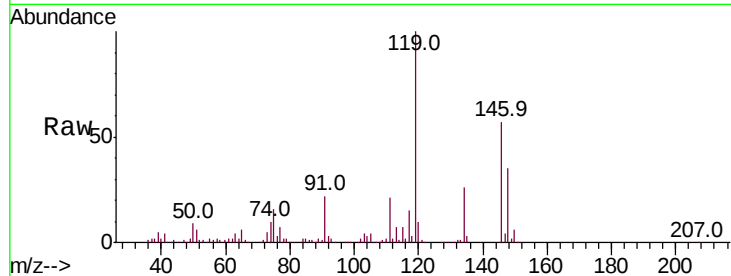




#87
 1,3-Dichlorobenzene
 Concen: 20.242 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN056336.D
 Acq: 17 Jun 2019 13:35

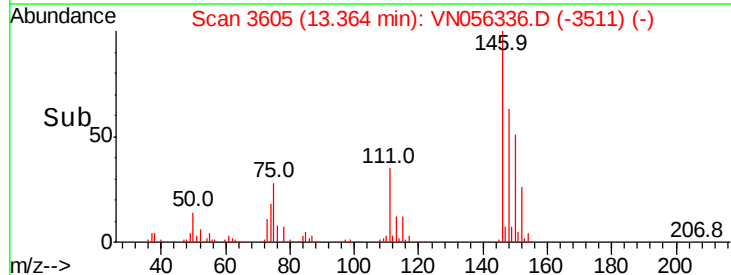
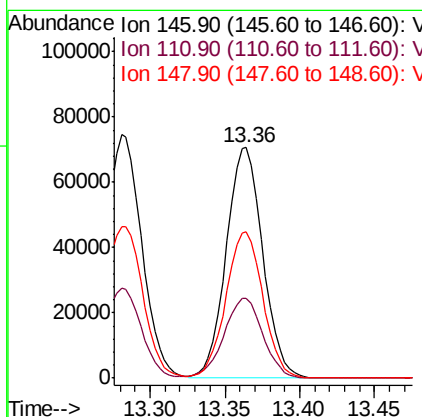
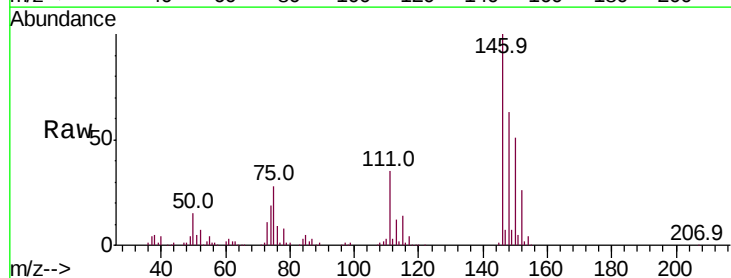
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0617WBS01

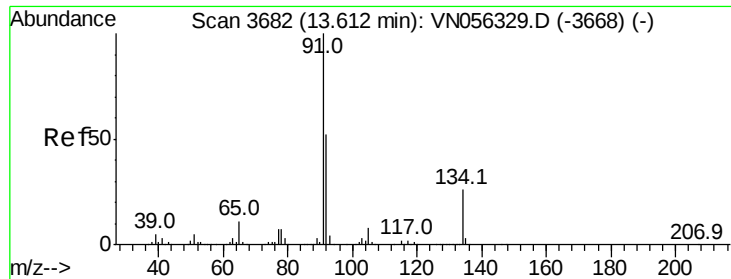
Tot Ion:146 Resp: 126471
 Ion Ratio Lower Upper
 146 100
 111 37.6 18.9 56.7
 148 64.7 31.9 95.5



#88
 1,4-Dichlorobenzene
 Concen: 20.020 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN056336.D
 Acq: 17 Jun 2019 13:35

Tgt Ion:146 Resp: 120192
 Ion Ratio Lower Upper
 146 100
 111 36.9 18.1 54.1
 148 64.4 32.1 96.5

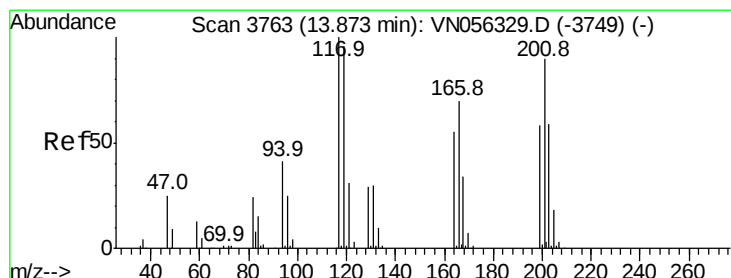
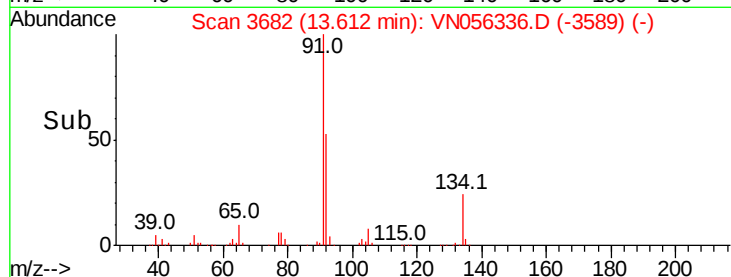
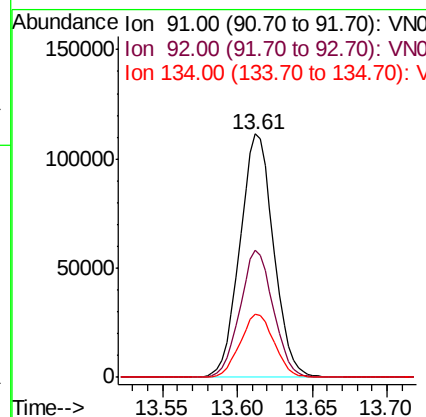
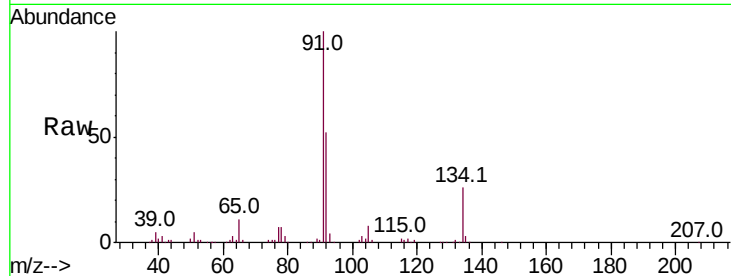




#89
n-Butylbenzene
Concen: 18.919 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN056336.D
Acq: 17 Jun 2019 13:35

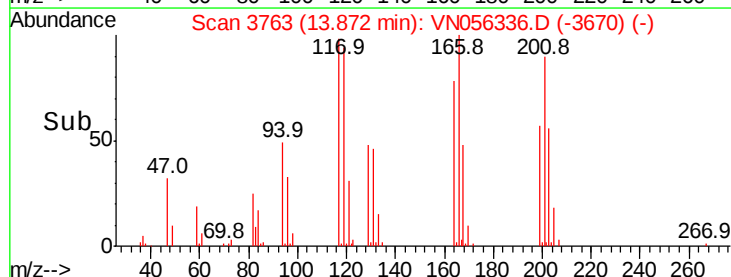
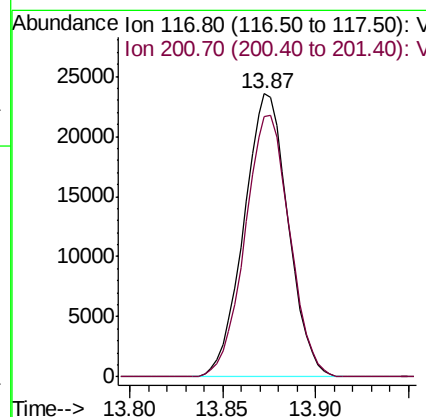
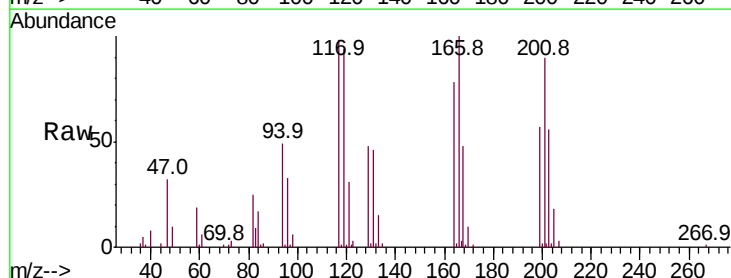
Instrument :
MSVOA_N
ClientSampleId :
VN0617WBS01

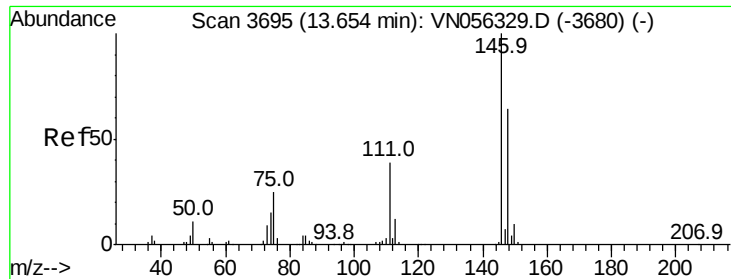
Tot Ion: 91 Resp: 174971
Ion Ratio Lower Upper
91 100
92 51.5 26.0 78.0
134 26.2 13.2 39.5



#90
Hexachloroethane
Concen: 16.903 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN056336.D
Acq: 17 Jun 2019 13:35

Tgt Ion: 117 Resp: 38959
Ion Ratio Lower Upper
117 100
201 93.3 45.8 137.3

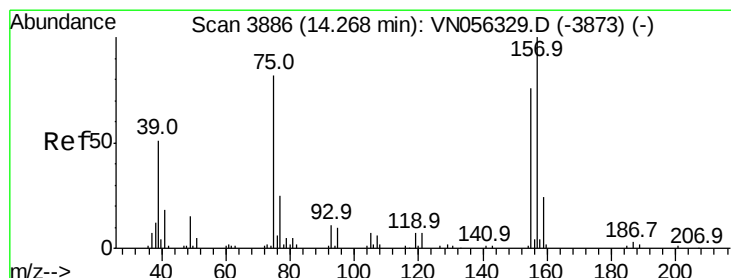
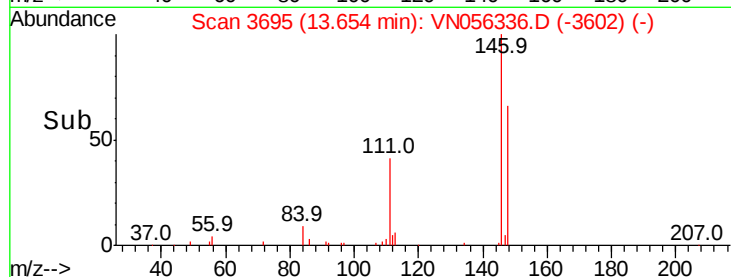
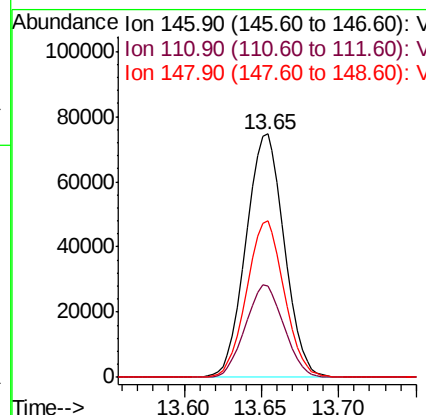
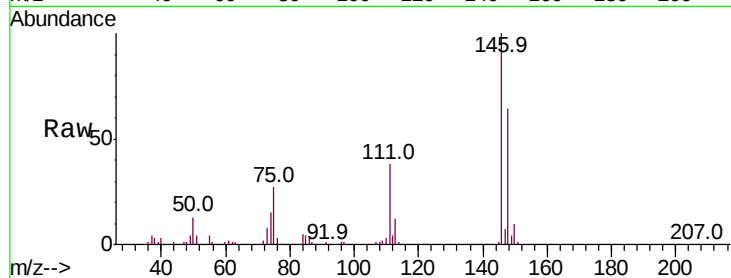




#91
 1,2-Dichlorobenzene
 Concen: 21.075 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN056336.D
 Acq: 17 Jun 2019 13:35

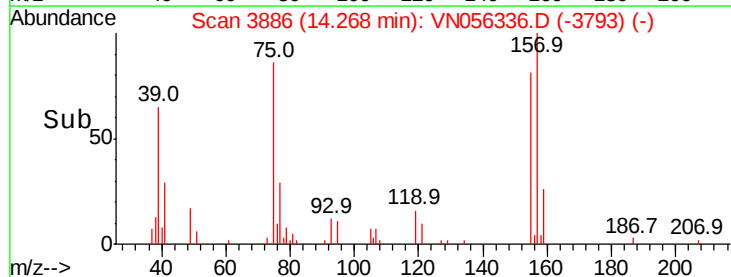
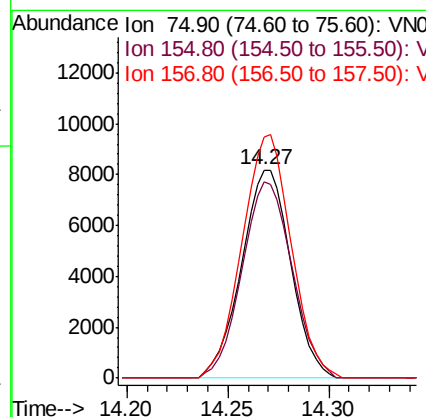
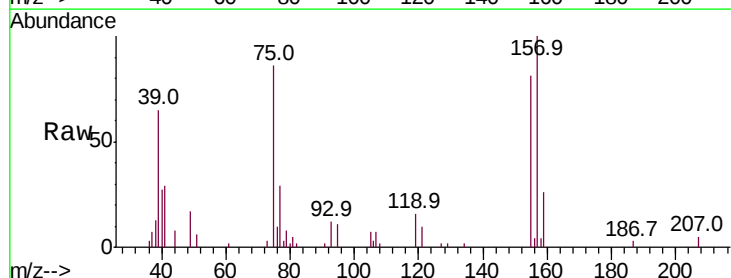
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0617WBS01

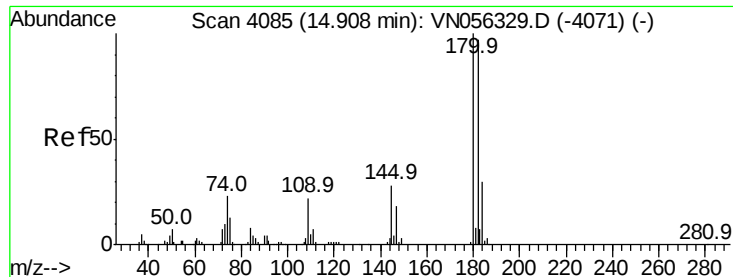
Tot Ion:146 Resp: 128940
 Ion Ratio Lower Upper
 146 100
 111 37.9 19.4 58.2
 148 63.1 32.4 97.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.602 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN056336.D
 Acq: 17 Jun 2019 13:35

Tgt Ion: 75 Resp: 13961
 Ion Ratio Lower Upper
 75 100
 155 95.9 47.8 143.4
 157 117.0 62.8 188.5

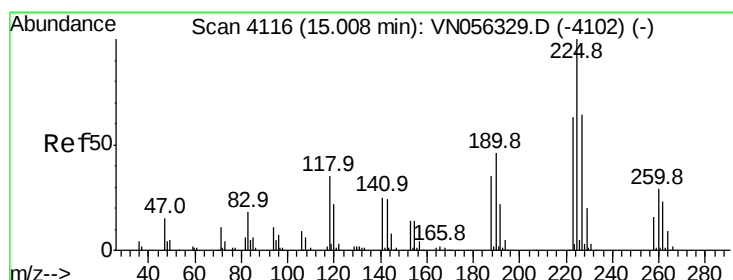
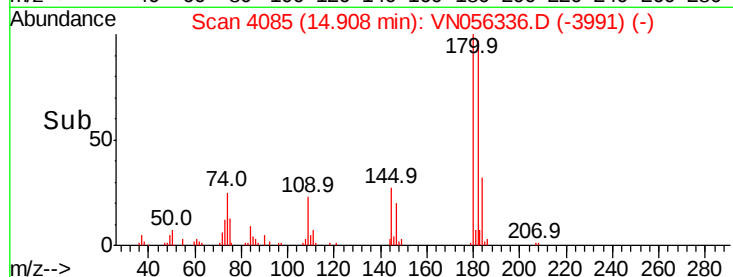
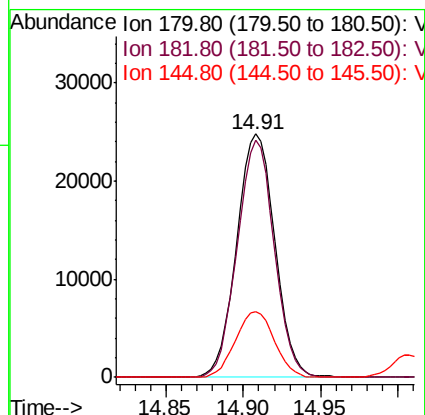
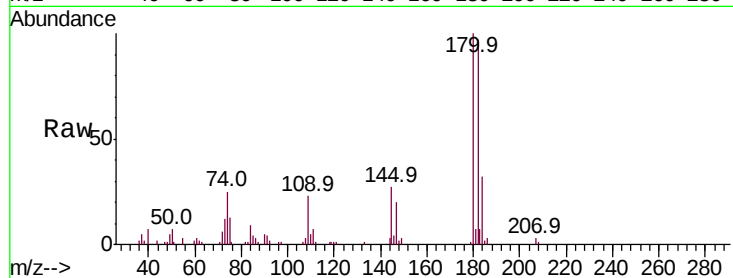




#93
 1,2,4-Trichlorobenzene
 Concen: 17.262 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056336.D
 Acq: 17 Jun 2019 13:35

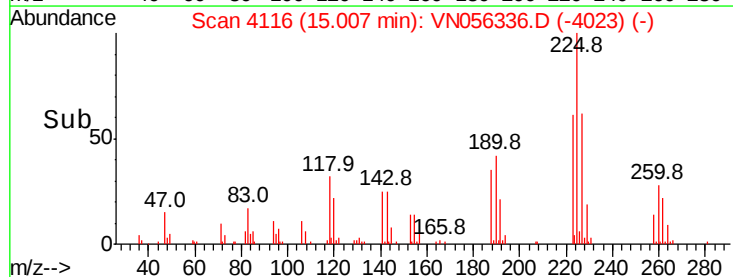
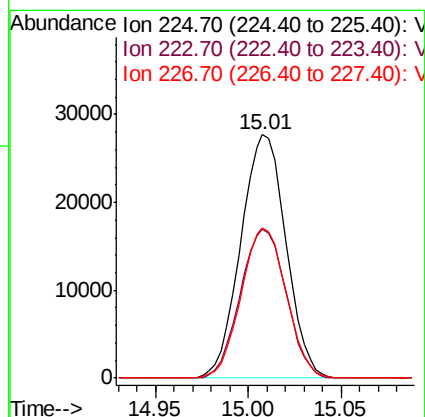
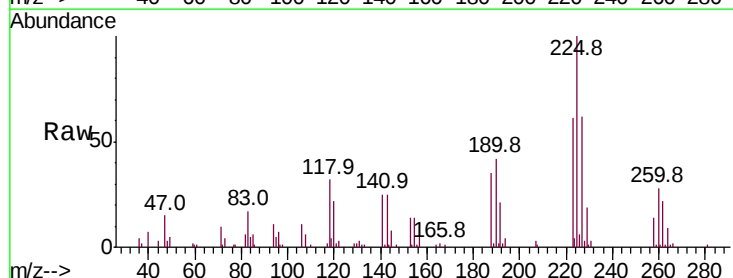
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0617WBS01

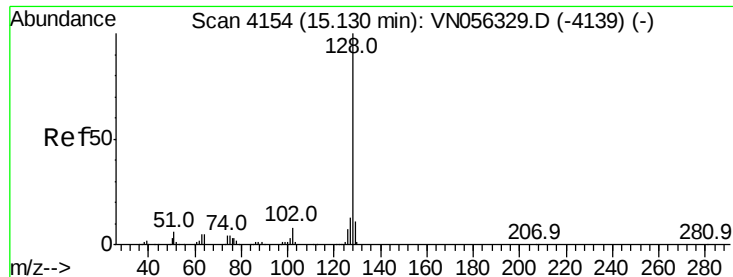
Tot Ion:180 Resp: 42558
 Ion Ratio Lower Upper
 180 100
 182 94.3 47.4 142.3
 145 27.5 14.0 41.9



#94
 Hexachlorobutadiene
 Concen: 20.928 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056336.D
 Acq: 17 Jun 2019 13:35

Tgt Ion:225 Resp: 46821
 Ion Ratio Lower Upper
 225 100
 223 62.2 31.2 93.6
 227 61.6 31.7 95.1





#95

Naphthalene

Concen: 17.442 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056336.D

Acq: 17 Jun 2019 13:35

Instrument :

MSVOA_N

ClientSampleId :

VN0617WBS01

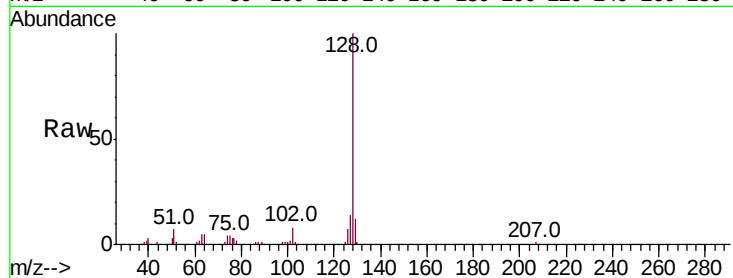
Tot Ion:128 Resp: 118372

Ion Ratio Lower Upper

128 100

127 13.3 10.6 15.8

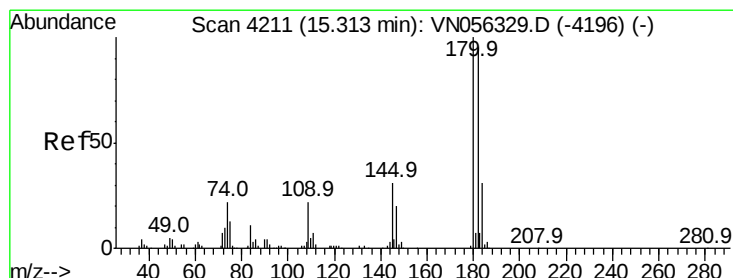
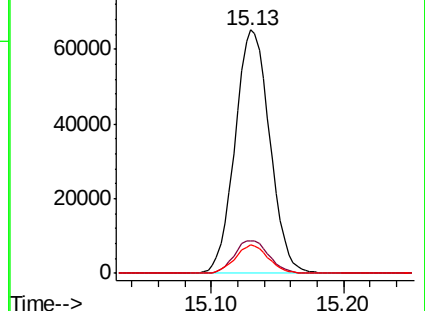
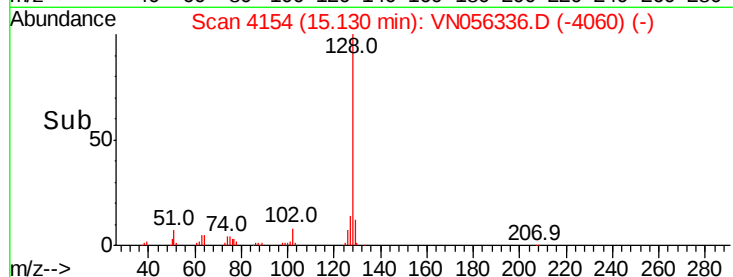
129 11.1 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 17.870 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056336.D

Acq: 17 Jun 2019 13:35

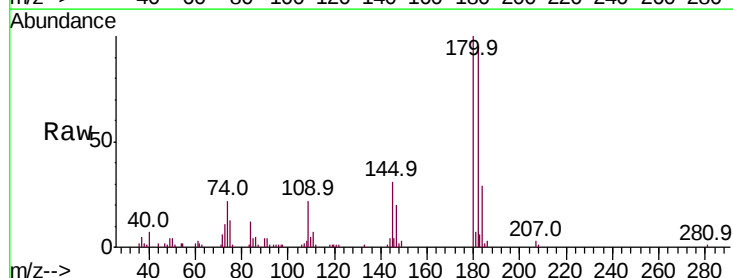
Tgt Ion:180 Resp: 50707

Ion Ratio Lower Upper

180 100

182 96.2 47.1 141.4

145 31.0 14.9 44.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

