

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061719\
 Data File : VN056338.D
 Acq On : 17 Jun 2019 14:23
 Operator : JC/SP
 Sample : VN0617WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0617WBSD01

Quant Time: Jun 18 05:13:27 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	363796	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	554619	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	491436	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	181434	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	205118	50.14	ug/l	0.00
Spiked Amount			Recovery	=	100.28%	
35) Dibromofluoromethane	7.59	113	178014	50.05	ug/l	0.00
Spiked Amount			Recovery	=	100.10%	
50) Toluene-d8	10.09	98	686974	50.56	ug/l	0.00
Spiked Amount			Recovery	=	101.12%	
62) 4-Bromofluorobenzene	12.40	95	218517	48.53	ug/l	0.00
Spiked Amount			Recovery	=	97.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	66386	20.756	ug/l	98
3) Chloromethane	2.06	50	86945	20.273	ug/l	100
4) Vinyl Chloride	2.18	62	87533	20.768	ug/l	98
5) Bromomethane	2.54	94	54204m	22.109	ug/l	
6) Chloroethane	2.69	64	49770	20.388	ug/l	98
7) Trichlorofluoromethane	3.01	101	106393	19.765	ug/l	98
8) Diethyl Ether	3.41	74	43090	20.182	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	67142	19.286	ug/l	99
10) Methyl Iodide	3.94	142	87021	19.532	ug/l	99
11) Tert butyl alcohol	4.81	59	60731	94.351	ug/l	98
12) 1,1-Dichloroethene	3.72	96	64980	19.247	ug/l	99
13) Acrolein	3.60	56	17999	99.642	ug/l	95
14) Allyl chloride	4.31	41	106029	18.727	ug/l	98
15) Acrylonitrile	4.99	53	188711	102.582	ug/l	100
16) Acetone	3.82	43	183410	81.144	ug/l	99
17) Carbon Disulfide	4.04	76	157085	17.389	ug/l	99
18) Methyl Acetate	4.33	43	82722	19.923	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	211548	20.546	ug/l	100
20) Methylene Chloride	4.54	84	79685	19.965	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	71397	19.882	ug/l	96
22) Diisopropyl ether	5.96	45	223539	20.084	ug/l	100
23) Vinyl Acetate	5.90	43	908418	100.319	ug/l	100
24) 1,1-Dichloroethane	5.84	63	131365	20.132	ug/l	99
25) 2-Butanone	6.84	43	258891	94.498	ug/l	98
26) 2,2-Dichloropropane	6.82	77	80976	17.161	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	82563	19.850	ug/l	99
28) Bromochloromethane	7.19	49	67819	20.754	ug/l	99
29) Tetrahydrofuran	7.22	42	165749	101.851	ug/l	100
30) Chloroform	7.37	83	128520	19.772	ug/l	98
31) Cyclohexane	7.65	56	125742	19.945	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	102242	18.989	ug/l	99
36) 1,1-Dichloropropene	7.79	75	97894	19.614	ug/l	98
37) Ethyl Acetate	6.94	43	101183	21.393	ug/l	99
38) Carbon Tetrachloride	7.77	117	85994	17.951	ug/l	99

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 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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Quant Time: Jun 18 05:13:27 2019
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 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)
39) Methylcyclohexane	9.08	83	118276	19.428	ug/l	98
40) Benzene	8.04	78	307149	20.287	ug/l	99
41) Methacrylonitrile	7.17	41	39290	18.091	ug/l #	82
42) 1,2-Dichloroethane	8.12	62	100554	20.253	ug/l	100
43) Isopropyl Acetate	8.17	43	146537	19.368	ug/l #	91
44) Trichloroethene	8.83	130	80777	19.619	ug/l	97
45) 1,2-Dichloropropane	9.12	63	80450	20.106	ug/l	99
46) Dibromomethane	9.21	93	52326	19.679	ug/l	99
47) Bromodichloromethane	9.40	83	91130	17.939	ug/l	99
48) Methyl methacrylate	9.20	41	71941	18.846	ug/l	98
49) 1,4-Dioxane	9.21	88	31127	404.225	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	475245	98.556	ug/l	99
52) Toluene	10.16	92	187788	20.321	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	88801	17.605	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	106675	18.336	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	74753	19.683	ug/l	99
56) Ethyl methacrylate	10.43	69	106126	19.431	ug/l	99
57) 1,3-Dichloropropane	10.71	76	125959	19.690	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	163600	90.846	ug/l	98
59) 2-Hexanone	10.75	43	338967	94.782	ug/l	100
60) Dibromochloromethane	10.90	129	68741	17.257	ug/l	98
61) 1,2-Dibromoethane	11.00	107	75113	19.241	ug/l	97
64) Tetrachloroethene	10.63	164	79243	19.663	ug/l	94
65) Chlorobenzene	11.43	112	197201	19.765	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	66241	17.784	ug/l	98
67) Ethyl Benzene	11.51	91	347225	20.218	ug/l	99
68) m/p-Xylenes	11.62	106	254142	39.759	ug/l	98
69) o-Xylene	11.95	106	126145	20.020	ug/l	100
70) Styrene	11.96	104	200199	19.680	ug/l	99
71) Bromoform	12.13	173	46062	15.913	ug/l #	99
73) Isopropylbenzene	12.25	105	332039	22.534	ug/l	99
74) N-amyl acetate	12.07	43	116736	20.474	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	104535	22.679	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	83611m	21.569	ug/l	
77) Bromobenzene	12.53	156	86187	22.203	ug/l	98
78) n-propylbenzene	12.59	91	343220	21.075	ug/l	100
79) 2-Chlorotoluene	12.67	91	217074	22.202	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	272936	21.563	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	19455	15.593	ug/l #	78
82) 4-Chlorotoluene	12.77	91	199896	20.910	ug/l	99
83) tert-Butylbenzene	12.99	119	237035	22.357	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	257678	21.861	ug/l	99
85) sec-Butylbenzene	13.17	105	304696	21.331	ug/l	99
86) p-Isopropyltoluene	13.29	119	258109	21.110	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	123511	20.001	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	117488	19.799	ug/l	99
89) n-Butylbenzene	13.61	91	174994	19.143	ug/l	100
90) Hexachloroethane	13.87	117	40464	17.903	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	127605	21.102	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	14421	18.395	ug/l	96

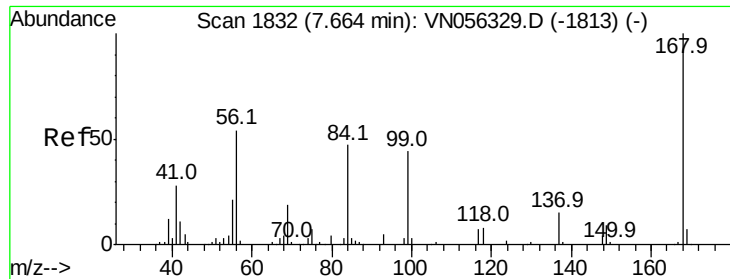
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061719\
Data File : VN056338.D
Acq On : 17 Jun 2019 14:23
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Instrument :
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Quant Time: Jun 18 05:13:27 2019
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Quant 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)
93) 1,2,4-Trichlorobenzene	14.91	180	43083	17.551	ug/l	98
94) Hexachlorobutadiene	15.01	225	45549	20.559	ug/l	97
95) Naphthalene	15.13	128	121182	17.899	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	51763	18.332	ug/l	100

(#) = 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: VN056338.D

Acq: 17 Jun 2019 14:23

Instrument :

MSVOA_N

ClientSampleId :

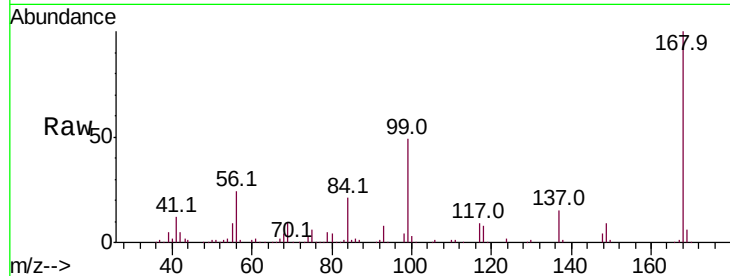
VN0617WBSD01

Tot Ion:168 Resp: 363796

Ion Ratio Lower Upper

168 100

99 49.0 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

150000

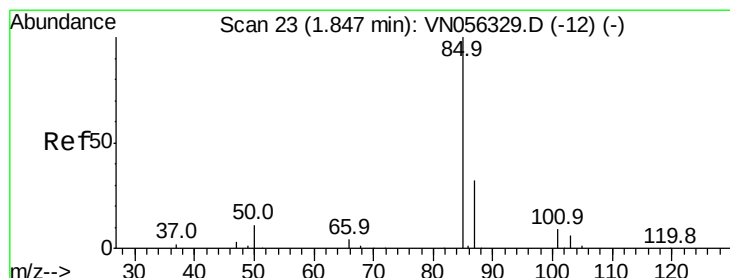
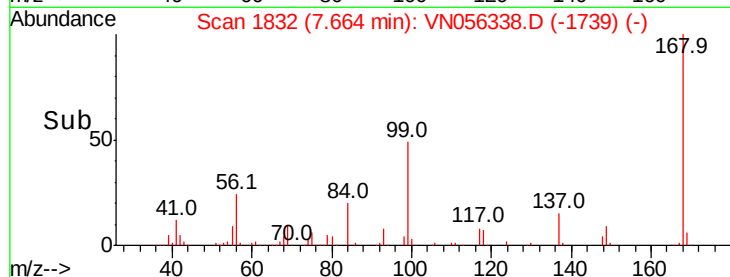
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 20.756 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056338.D

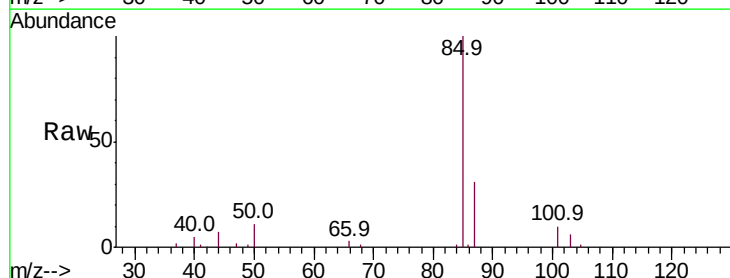
Acq: 17 Jun 2019 14:23

Tgt Ion: 85 Resp: 66386

Ion Ratio Lower Upper

85 100

87 31.4 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

50000

40000

30000

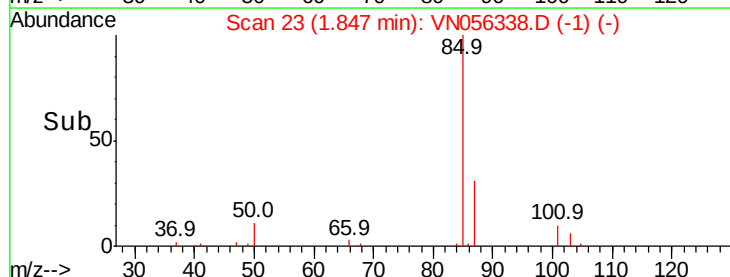
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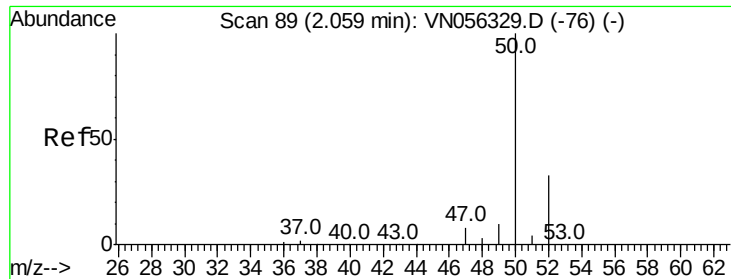
10000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 20.273 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN056338.D

Acq: 17 Jun 2019 14:23

Instrument :

MSVOA_N

ClientSampleId :

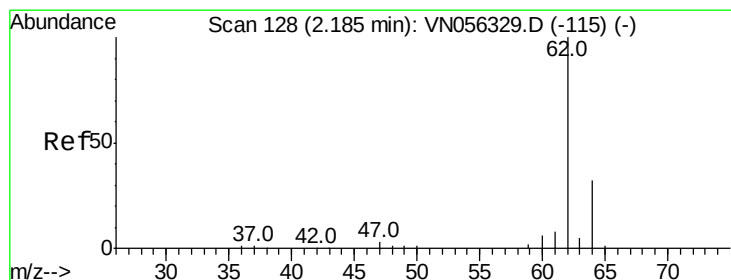
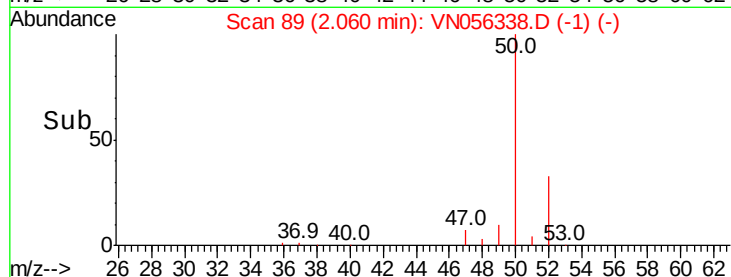
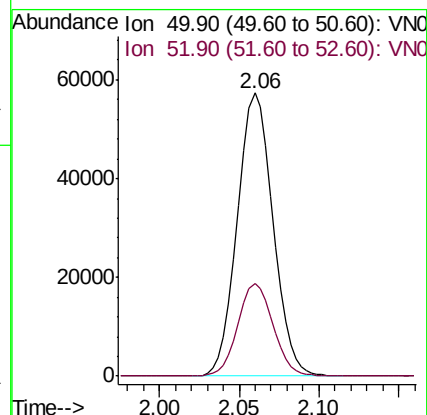
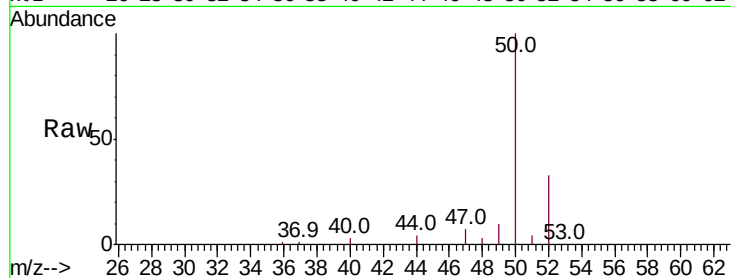
VN0617WBSD01

Tot Ion: 50 Resp: 86945

Ion Ratio Lower Upper

50 100

52 32.9 26.3 39.5



#4

Vinyl Chloride

Concen: 20.768 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN056338.D

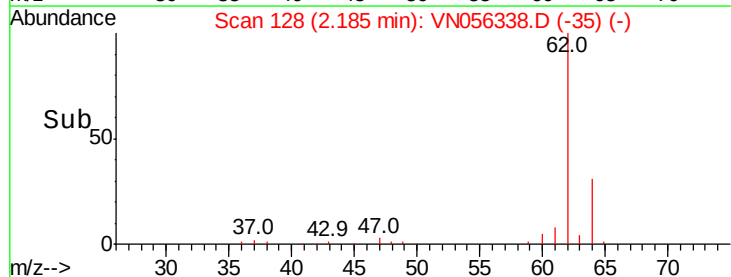
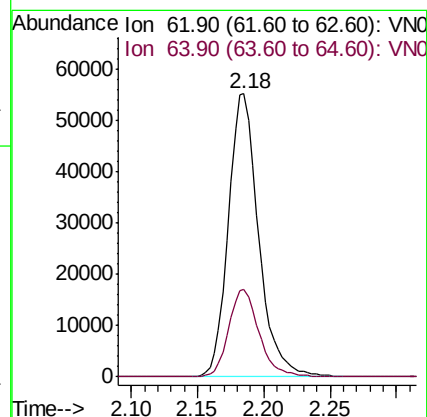
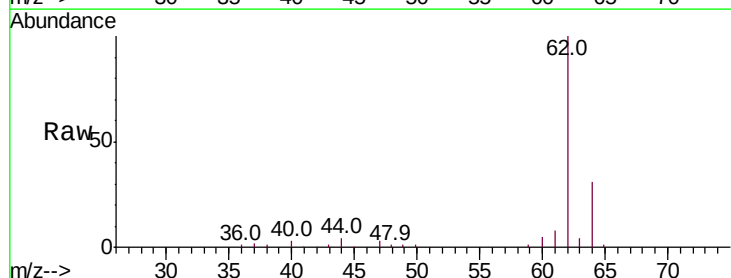
Acq: 17 Jun 2019 14:23

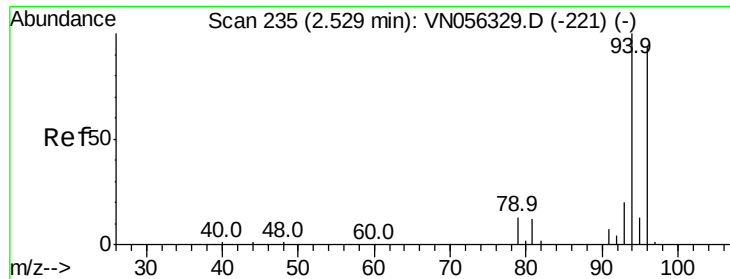
Tgt Ion: 62 Resp: 87533

Ion Ratio Lower Upper

62 100

64 31.1 25.7 38.5





#5

Bromomethane

Concen: 22.109 ug/l m

RT: 2.54 min Scan# 237

Delta R.T. 0.01 min

Lab File: VN056338.D

Acq: 17 Jun 2019 14:23

Instrument :

MSVOA_N

ClientSampleId :

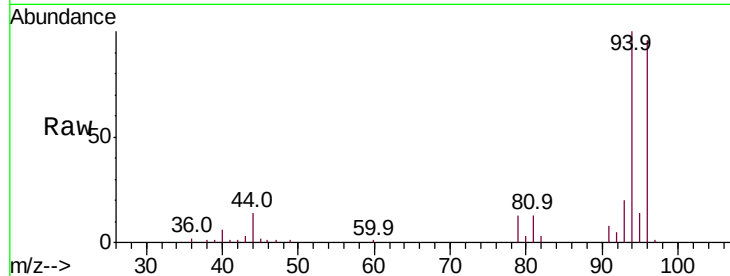
VN0617WBSD01

Tot Ion: 94 Resp: 54204

Ion Ratio Lower Upper

94 100

96 95.9 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

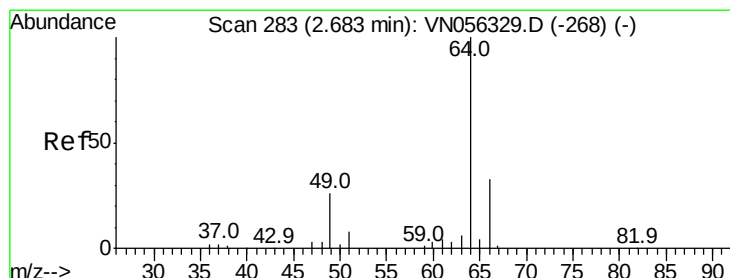
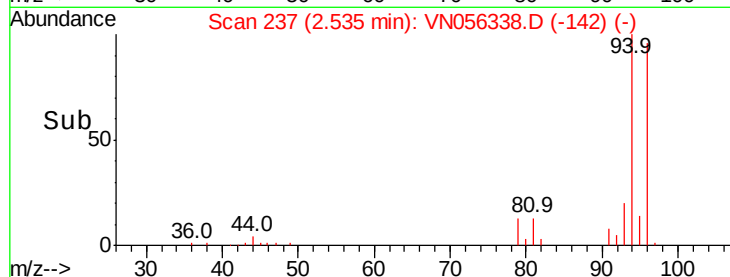
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Time-->

2.50

2.60

2.70



#6

Chloroethane

Concen: 20.388 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN056338.D

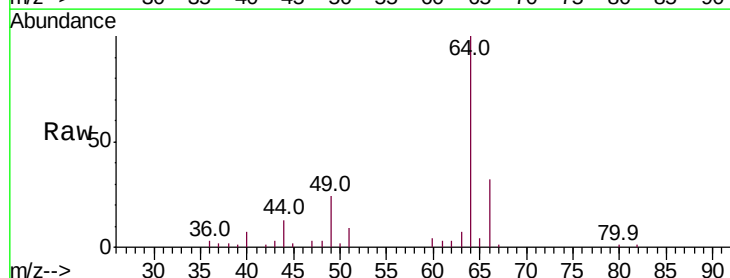
Acq: 17 Jun 2019 14:23

Tgt Ion: 64 Resp: 49770

Ion Ratio Lower Upper

64 100

66 31.7 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

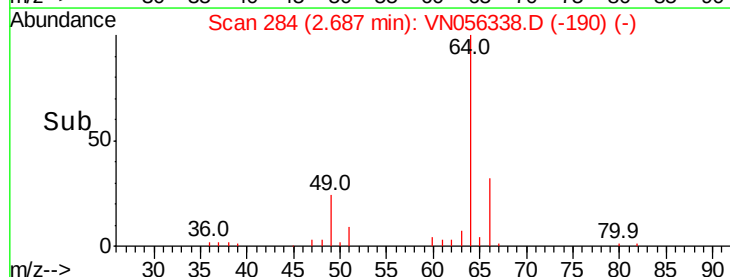
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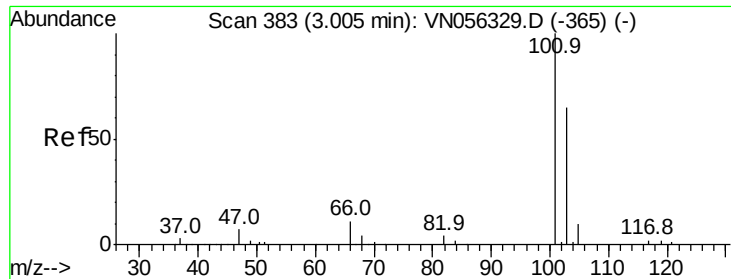
Time-->

2.60

2.70

2.80



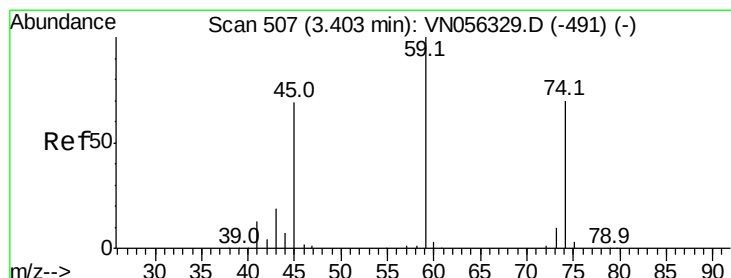
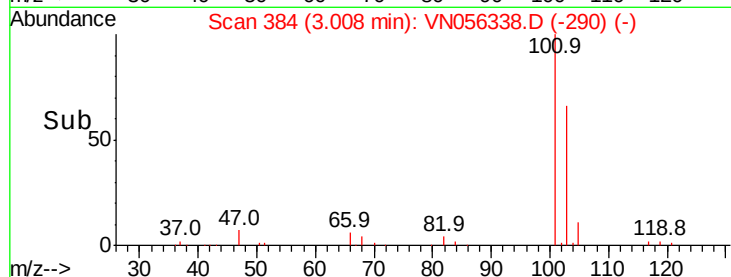
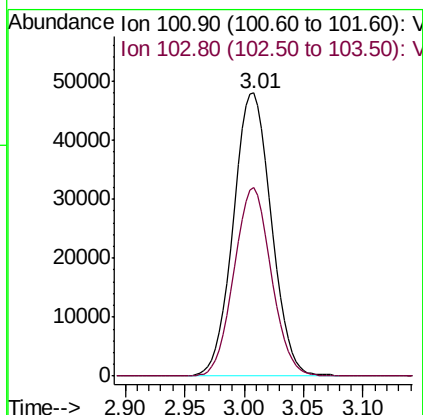
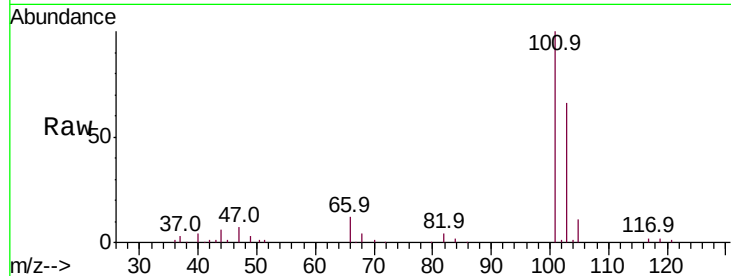


#7

Trichlorofluoromethane
Concen: 19.765 ug/l
RT: 3.01 min Scan# 384
Delta R.T. 0.00 min
Lab File: VN056338.D
Acq: 17 Jun 2019 14:23

Instrument :
MSVOA_N
ClientSampleId :
VN0617WBSD01

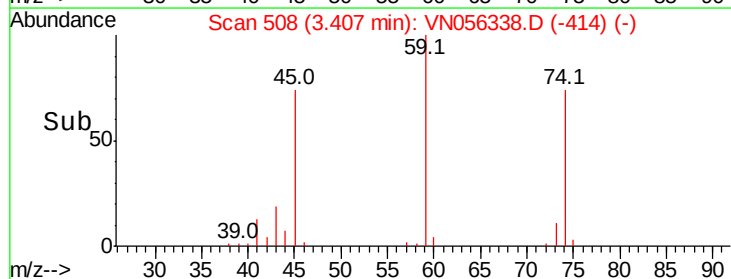
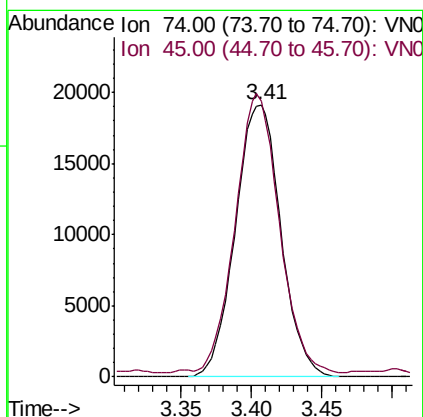
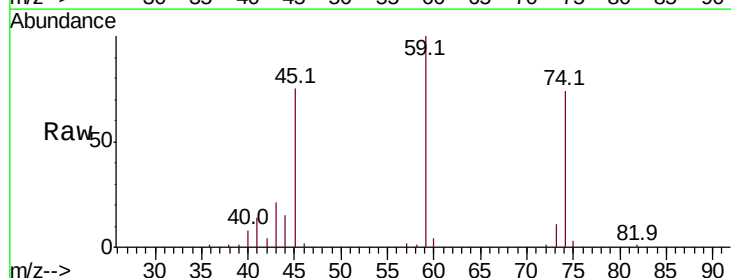
Tot Ion:101 Resp: 106393
Ion Ratio Lower Upper
101 100
103 66.5 52.1 78.1

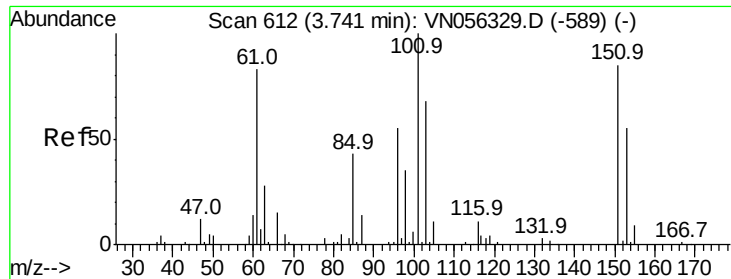


#8

Diethyl Ether
Concen: 20.182 ug/l
RT: 3.41 min Scan# 508
Delta R.T. 0.00 min
Lab File: VN056338.D
Acq: 17 Jun 2019 14:23

Tgt Ion: 74 Resp: 43090
Ion Ratio Lower Upper
74 100
45 99.4 49.0 147.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.286 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN056338.D

Acq: 17 Jun 2019 14:23

Instrument :

MSVOA_N

ClientSampleId :

VN0617WBSD01

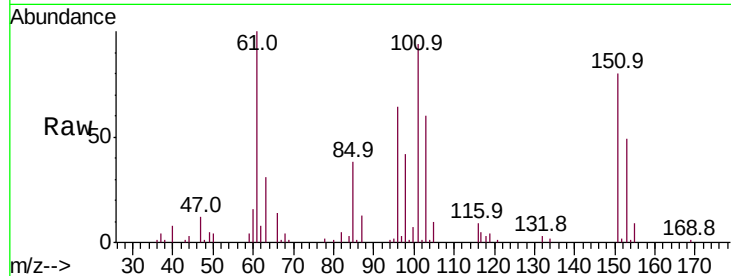
Tot Ion:101 Resp: 67142

Ion Ratio Lower Upper

101 100

85 42.1 33.8 50.8

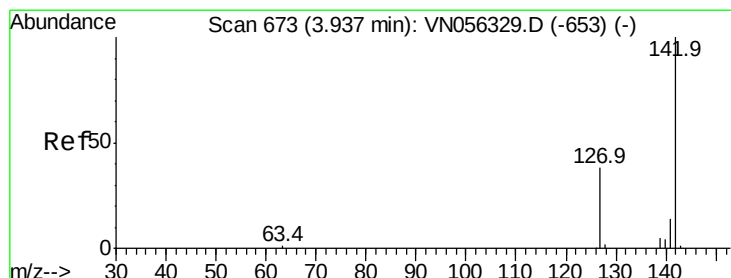
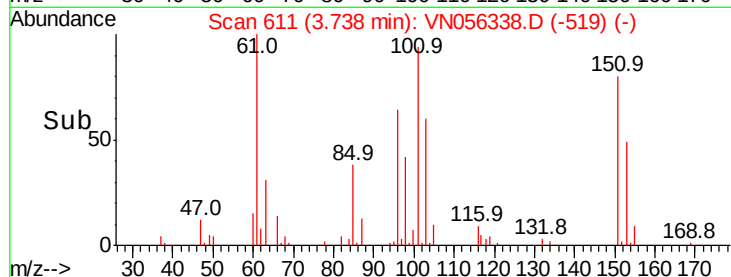
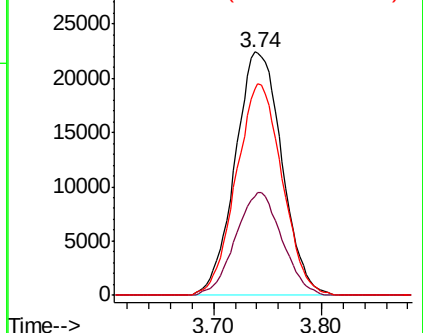
151 85.9 67.4 101.0



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: 19.532 ug/l

RT: 3.94 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN056338.D

Acq: 17 Jun 2019 14:23

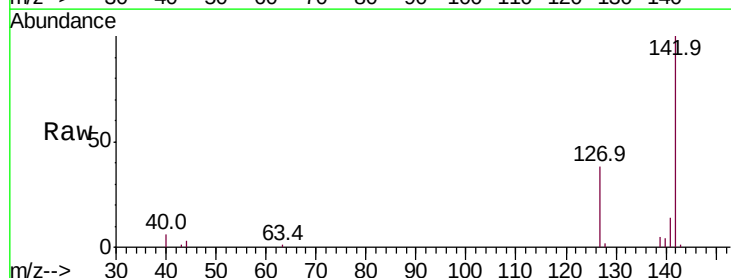
Tgt Ion:142 Resp: 87021

Ion Ratio Lower Upper

142 100

127 38.9 30.8 46.2

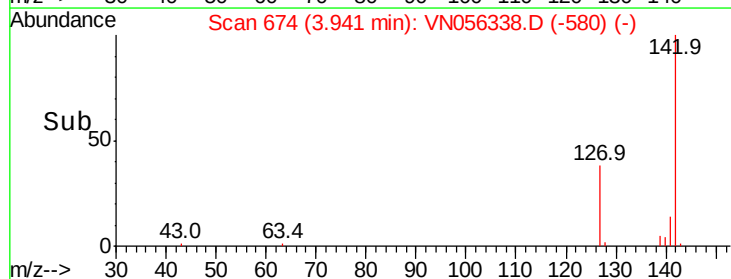
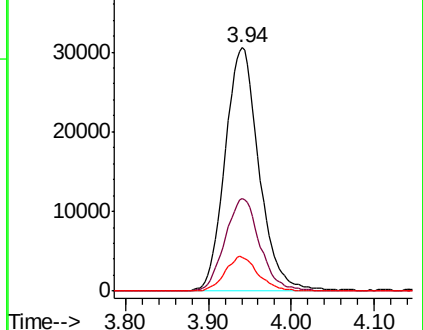
141 13.7 11.4 17.2

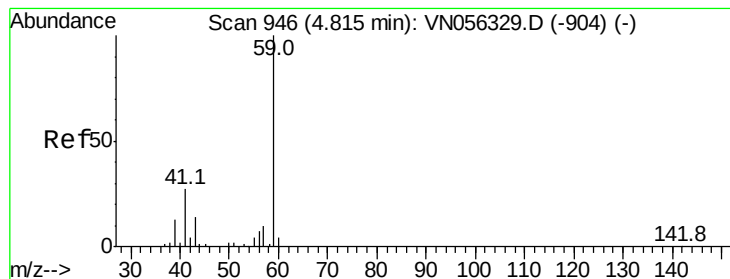


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



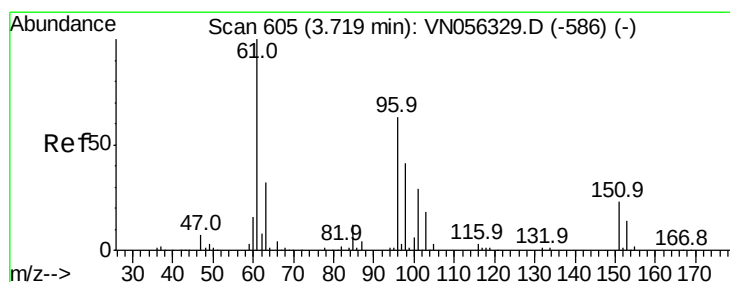
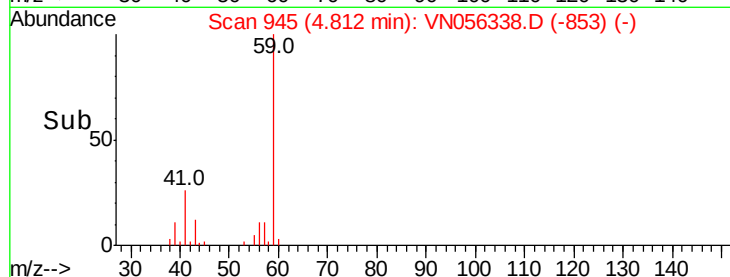
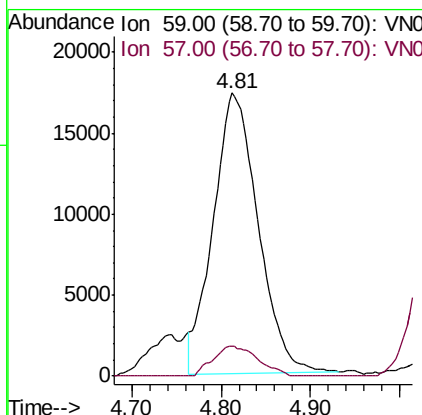
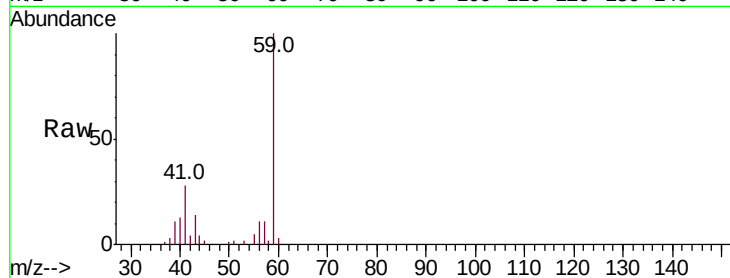


#11

Tert butyl alcohol
 Concen: 94.351 ug/l
 RT: 4.81 min Scan# 945
 Delta R.T. -0.00 min
 Lab File: VN056338.D
 Acq: 17 Jun 2019 14:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0617WBSD01

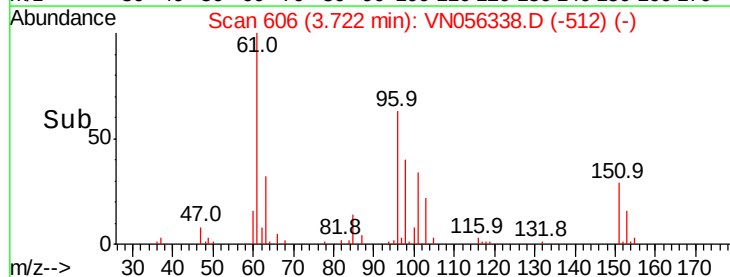
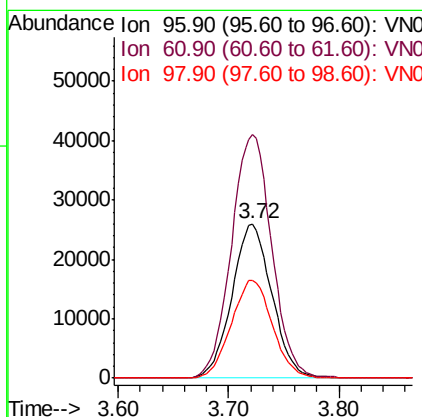
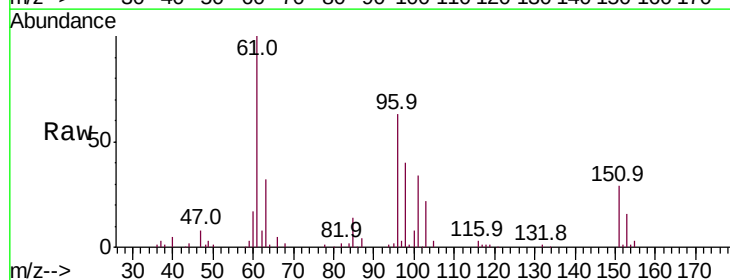
Tot Ion: 59 Resp: 60731
 Ion Ratio Lower Upper
 59 100
 57 10.7 7.8 11.8

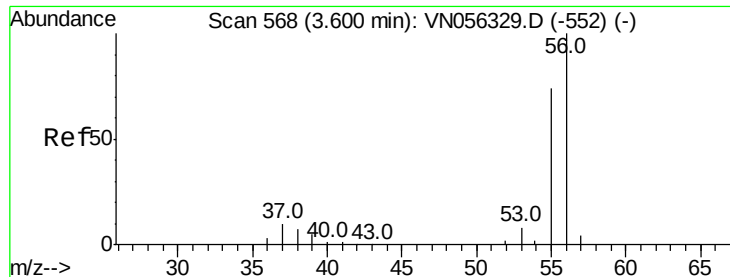


#12

1,1-Dichloroethene
 Concen: 19.247 ug/l
 RT: 3.72 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VN056338.D
 Acq: 17 Jun 2019 14:23

Tgt Ion: 96 Resp: 64980
 Ion Ratio Lower Upper
 96 100
 61 157.5 127.4 191.2
 98 63.5 51.7 77.5





#13

Acrolein

Concen: 99.642 ug/l

RT: 3.60 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN056338.D

Acq: 17 Jun 2019 14:23

Instrument :

MSVOA_N

ClientSampleId :

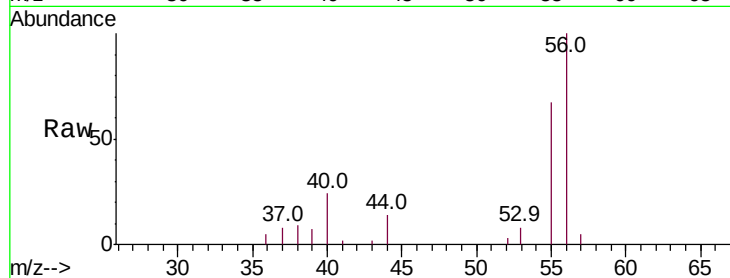
VN0617WBSD01

Tot Ion: 56 Resp: 17999

Ion Ratio Lower Upper

56 100

55 74.7 56.4 84.6



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.60

8000

6000

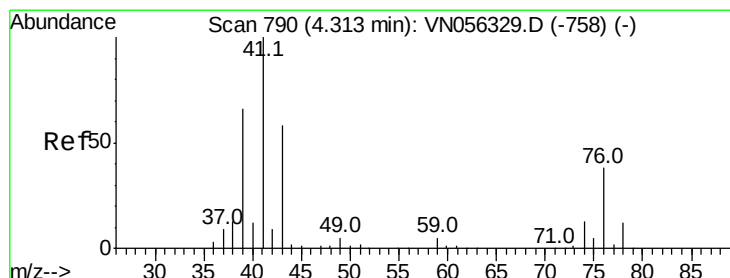
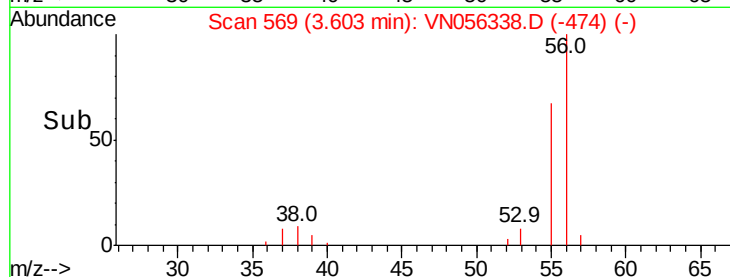
4000

2000

0

Time-->

3.50 3.55 3.60 3.65 3.70



#14

Allyl chloride

Concen: 18.727 ug/l

RT: 4.31 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN056338.D

Acq: 17 Jun 2019 14:23

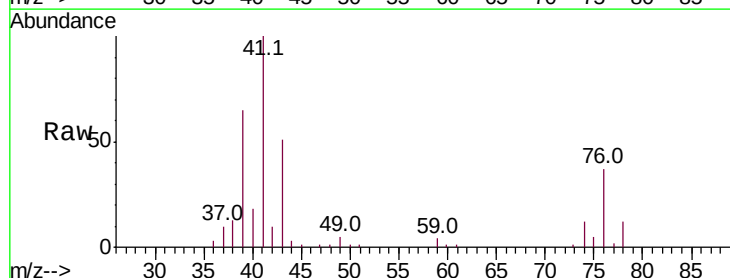
Tgt Ion: 41 Resp: 106029

Ion Ratio Lower Upper

41 100

39 63.2 48.9 73.3

76 33.3 27.2 40.8



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

4.31

40000

30000

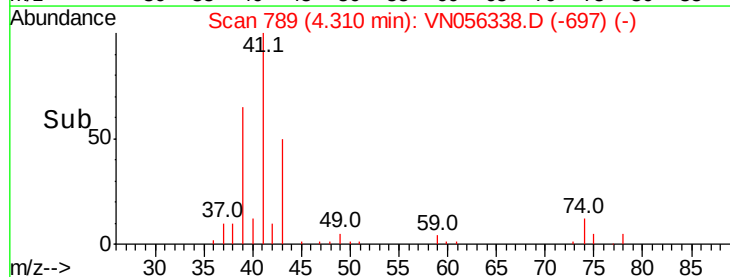
20000

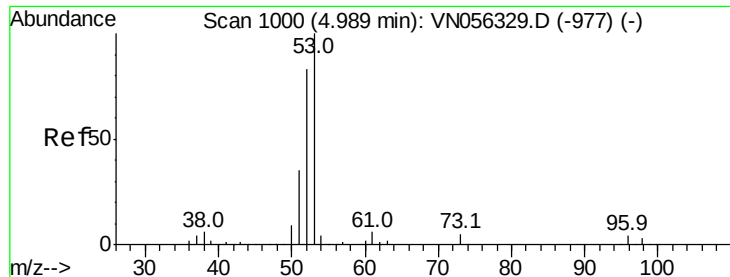
10000

0

Time-->

4.20 4.30 4.40





#15

Acrylonitrile

Concen: 102.582 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN056338.D

Acq: 17 Jun 2019 14:23

Instrument :

MSVOA_N

ClientSampleId :

VN0617WBSD01

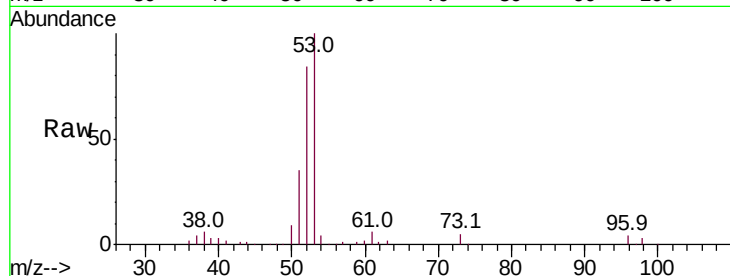
Tot Ion: 53 Resp: 188711

Ion Ratio Lower Upper

53 100

52 81.9 65.4 98.2

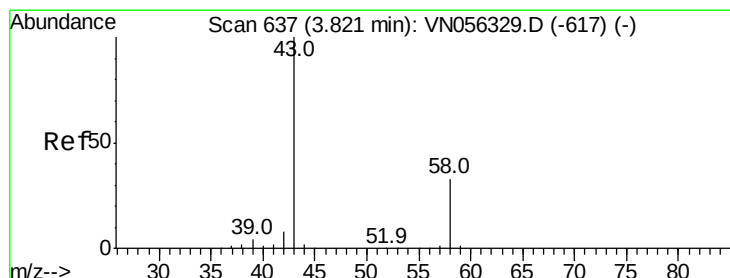
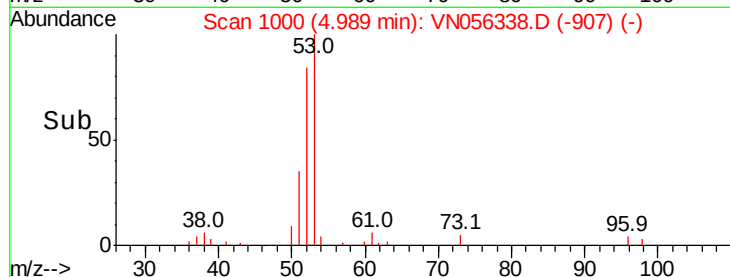
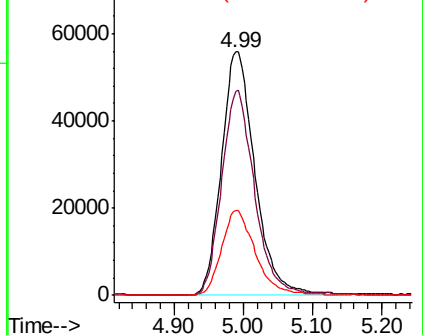
51 34.9 28.5 42.7



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: 81.144 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN056338.D

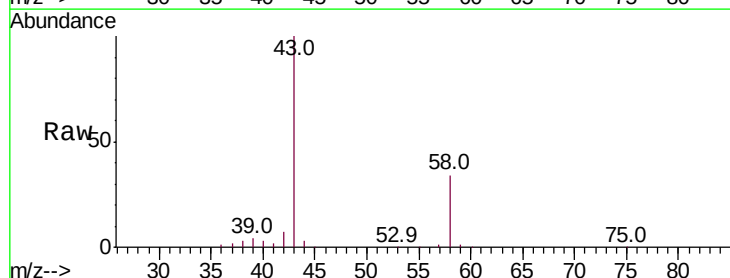
Acq: 17 Jun 2019 14:23

Tgt Ion: 43 Resp: 183410

Ion Ratio Lower Upper

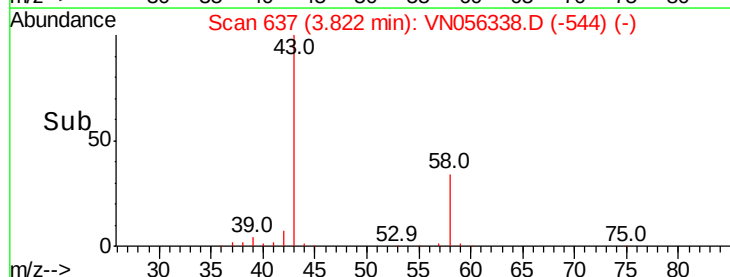
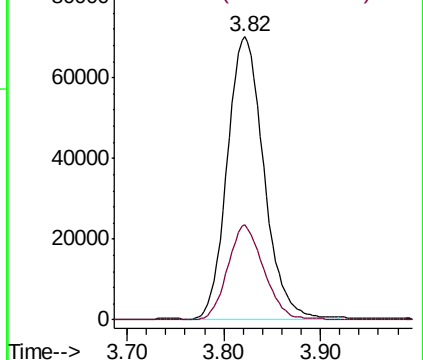
43 100

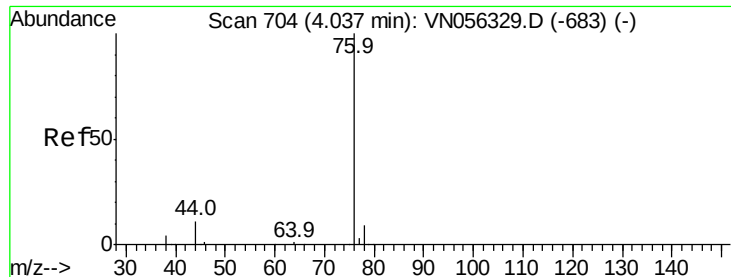
58 33.7 26.5 39.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

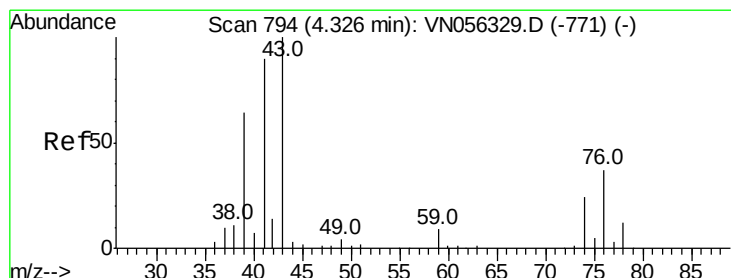
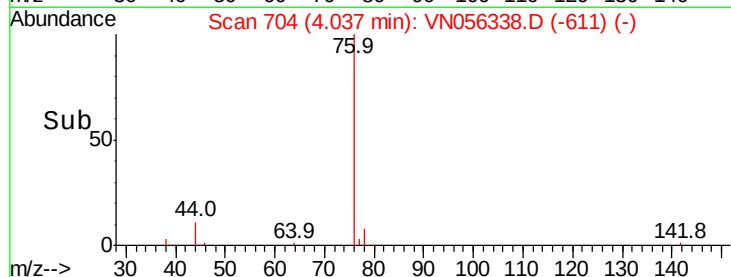
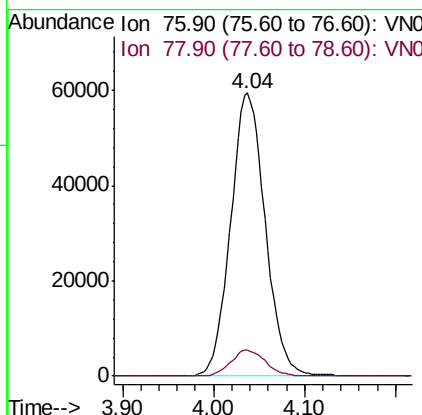
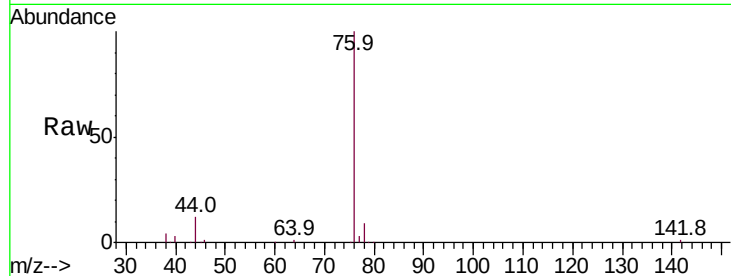




#17
Carbon Disulfide
Concen: 17.389 ug/l
RT: 4.04 min Scan# 704
Delta R.T. 0.00 min
Lab File: VN056338.D
Acq: 17 Jun 2019 14:23

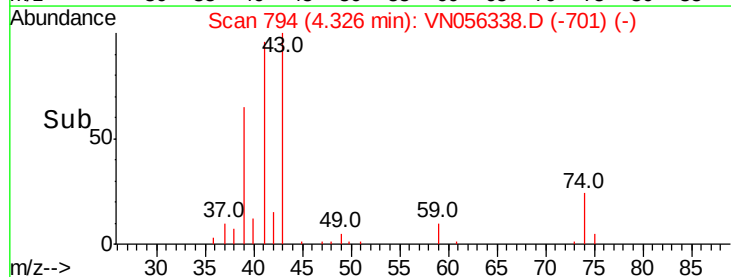
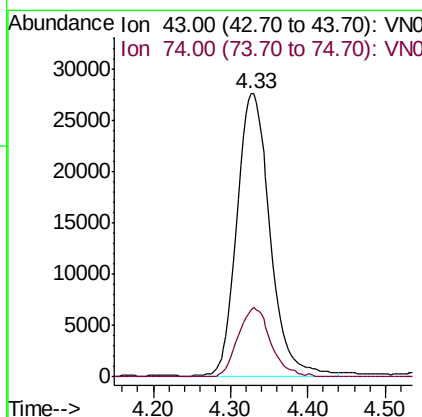
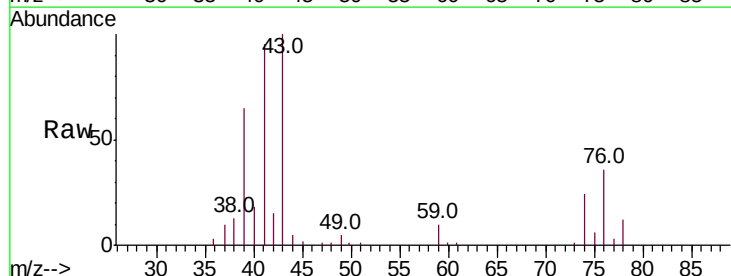
Instrument :
MSVOA_N
ClientSampleId :
VN0617WBSD01

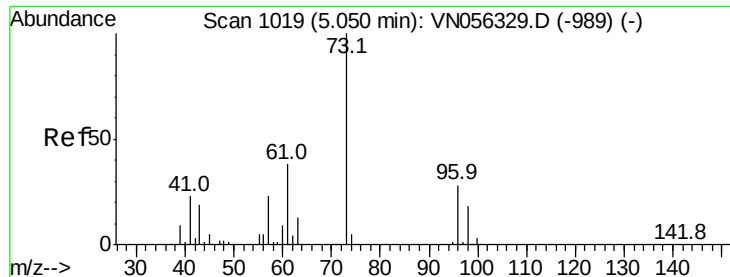
Tot Ion: 76 Resp: 157085
Ion Ratio Lower Upper
76 100
78 9.3 7.3 10.9



#18
Methyl Acetate
Concen: 19.923 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN056338.D
Acq: 17 Jun 2019 14:23

Tgt Ion: 43 Resp: 82722
Ion Ratio Lower Upper
43 100
74 23.8 19.4 29.2





#19

Methyl tert-butyl Ether

Concen: 20.546 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VN056338.D

Acq: 17 Jun 2019 14:23

Instrument :

MSVOA_N

ClientSampleId :

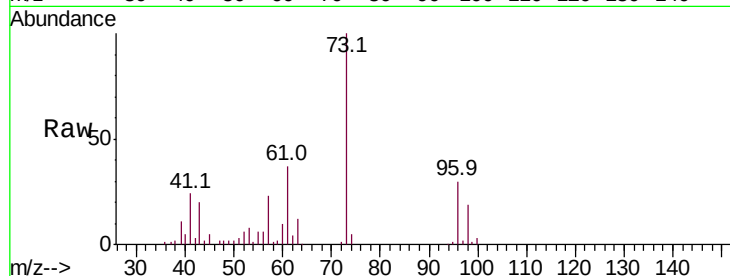
VN0617WBSD01

Tot Ion: 73 Resp: 211548

Ion Ratio Lower Upper

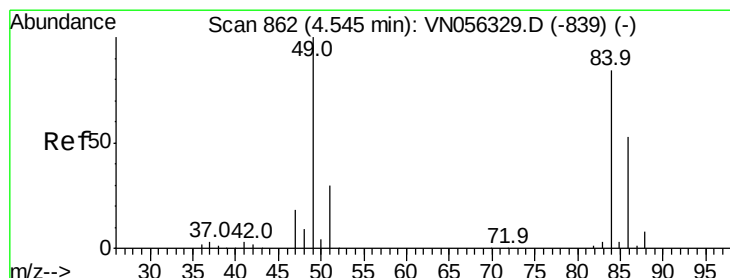
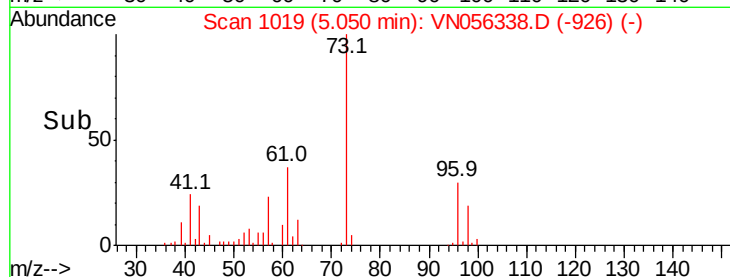
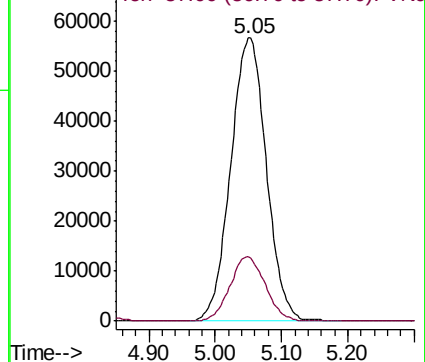
73 100

57 22.7 18.1 27.1



Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



#20

Methylene Chloride

Concen: 19.965 ug/l

RT: 4.54 min Scan# 861

Delta R.T. -0.00 min

Lab File: VN056338.D

Acq: 17 Jun 2019 14:23

Tgt Ion: 84 Resp: 79685

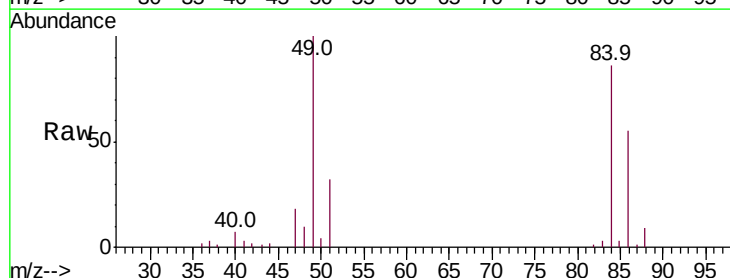
Ion Ratio Lower Upper

84 100

49 116.0 95.0 142.6

51 36.7 28.2 42.4

86 63.5 50.6 75.8

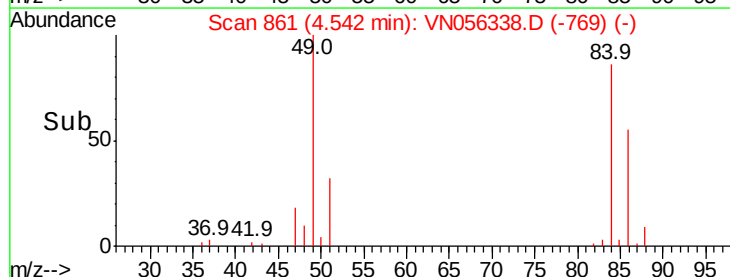
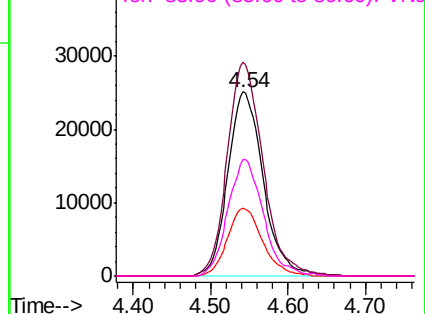


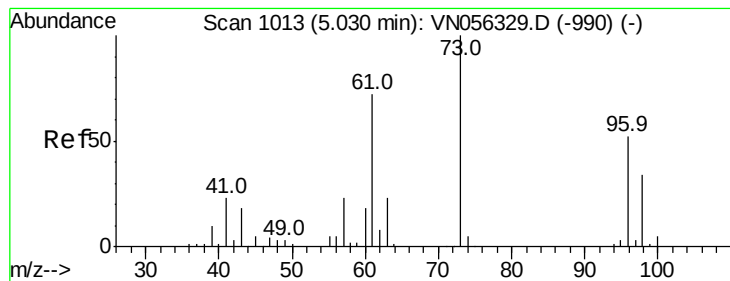
Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0





#21

trans-1,2-Dichloroethene

Concen: 19.882 ug/l

RT: 5.03 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VN056338.D

Acq: 17 Jun 2019 14:23

Instrument :

MSVOA_N

ClientSampleId :

VN0617WBSD01

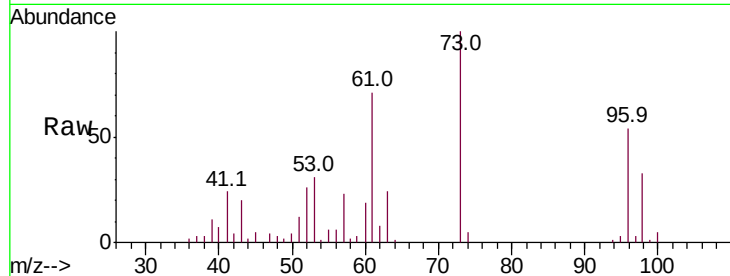
Tot Ion: 96 Resp: 71397

Ion	Ratio	Lower	Upper
96	100		
61	132.6	109.8	164.6
98	62.5	52.0	78.0

96 100

61 132.6 109.8 164.6

98 62.5 52.0 78.0

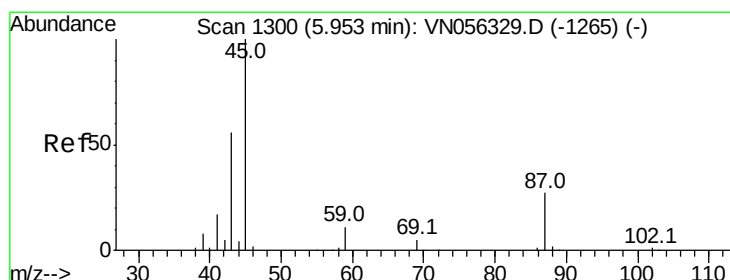
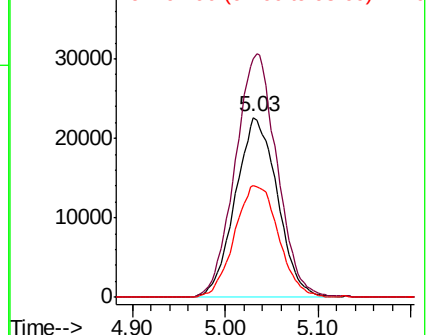
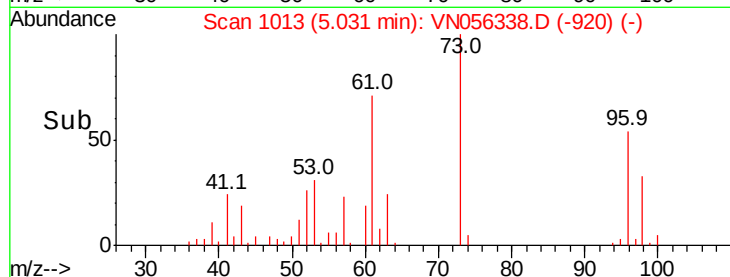


Abundance

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: 20.084 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VN056338.D

Acq: 17 Jun 2019 14:23

Tgt Ion: 45 Resp: 223539

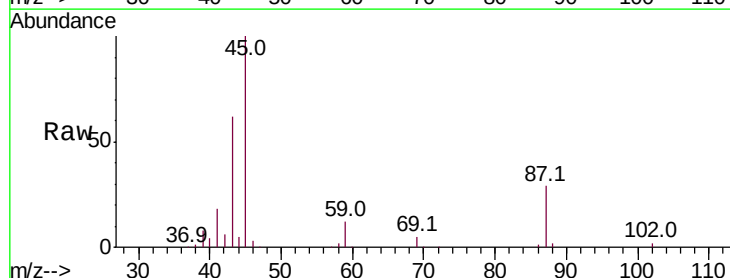
Ion	Ratio	Lower	Upper
45	100		
43	59.2	47.0	70.6
87	28.2	22.4	33.6
59	11.5	9.2	13.8

45 100

43 59.2 47.0 70.6

87 28.2 22.4 33.6

59 11.5 9.2 13.8



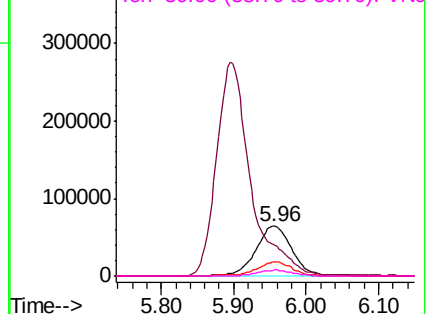
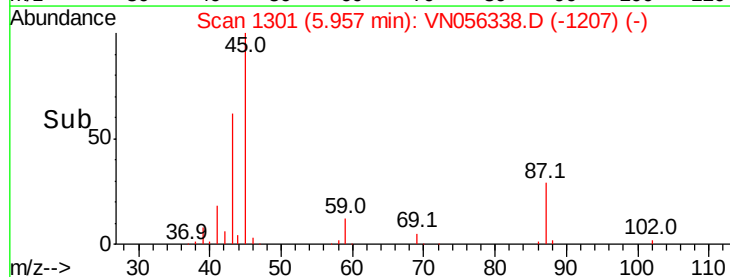
Abundance

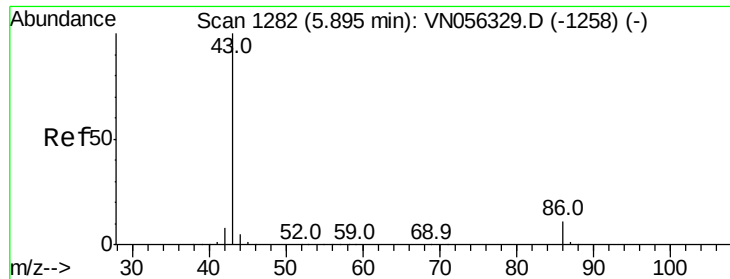
Ion 45.00 (44.70 to 45.70): VN0

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: 100.319 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN056338.D

Acq: 17 Jun 2019 14:23

Instrument :

MSVOA_N

ClientSampleId :

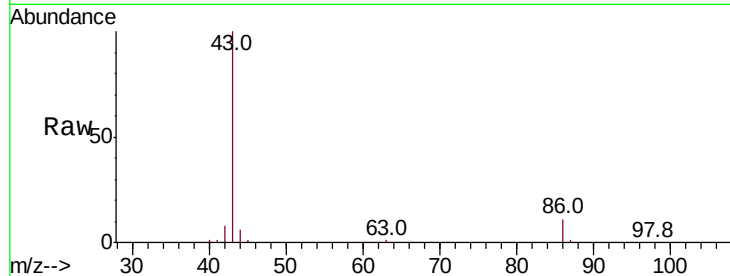
VN0617WBSD01

Tot Ion: 43 Resp: 908418

Ion Ratio Lower Upper

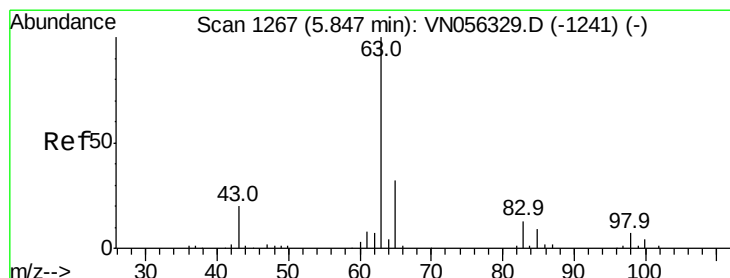
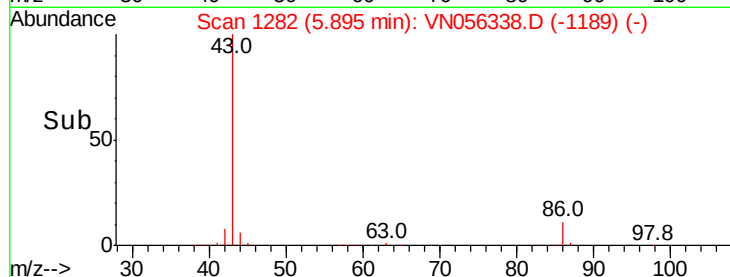
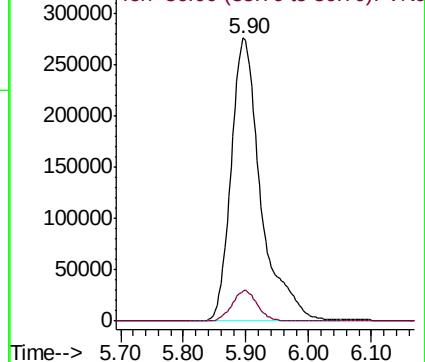
43 100

86 10.7 8.5 12.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 20.132 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN056338.D

Acq: 17 Jun 2019 14:23

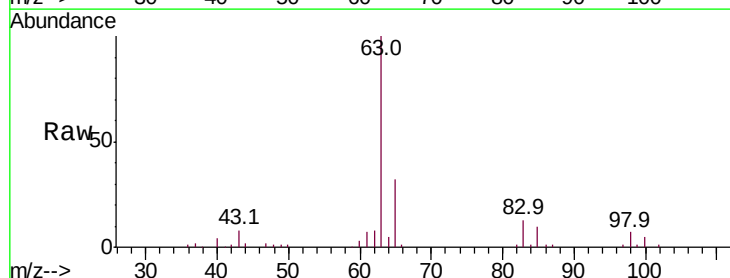
Tgt Ion: 63 Resp: 131365

Ion Ratio Lower Upper

63 100

98 7.0 3.3 9.8

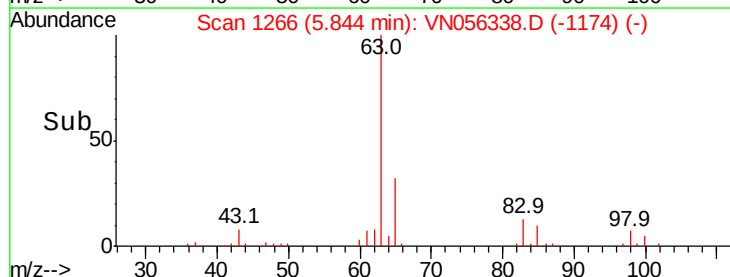
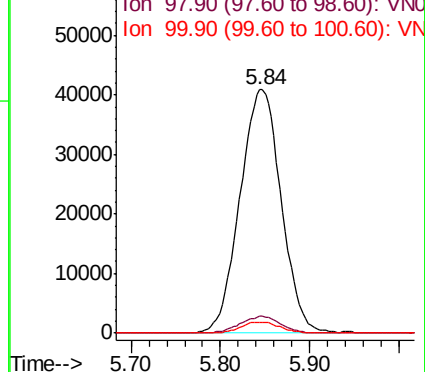
100 4.5 2.2 6.6

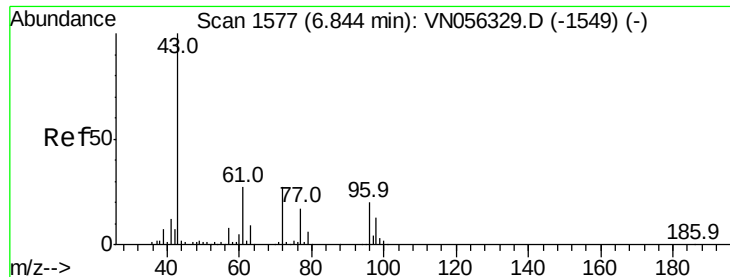


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

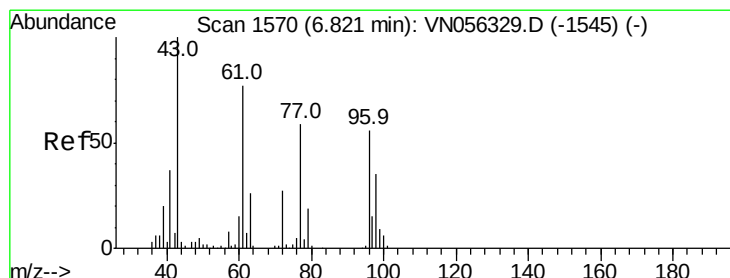
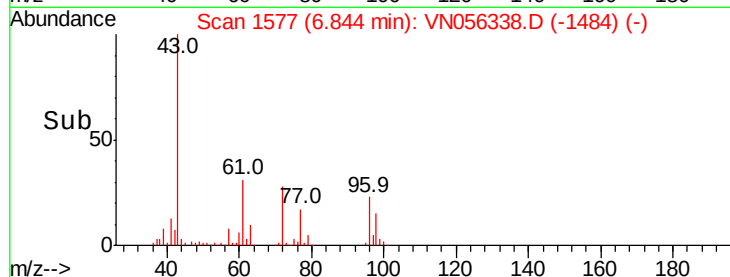
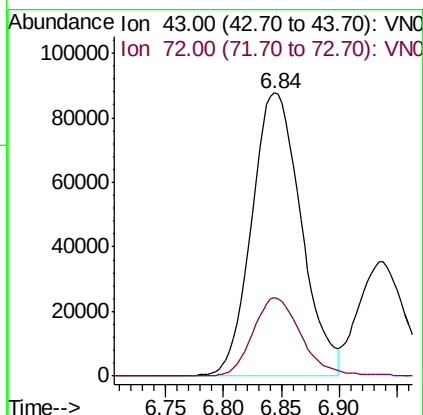
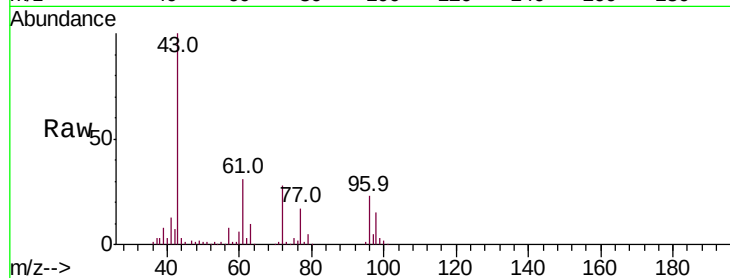




#25
 2-Butanone
 Concen: 94.498 ug/l
 RT: 6.84 min Scan# 1577
 Delta R.T. 0.00 min
 Lab File: VN056338.D
 Acq: 17 Jun 2019 14:23

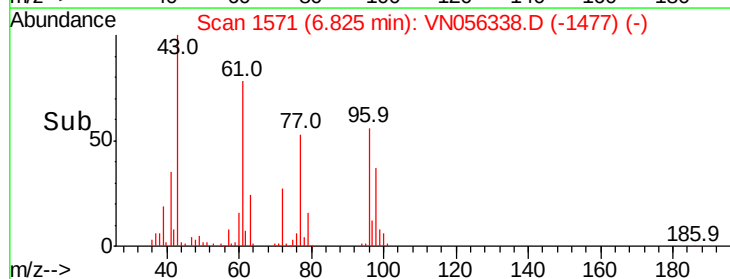
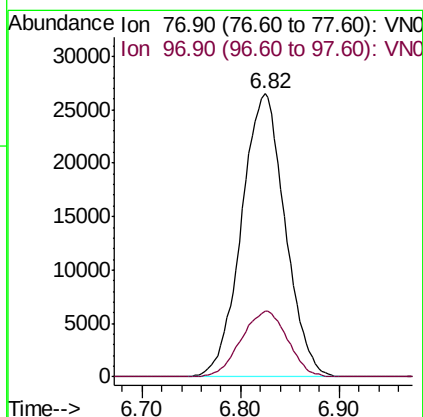
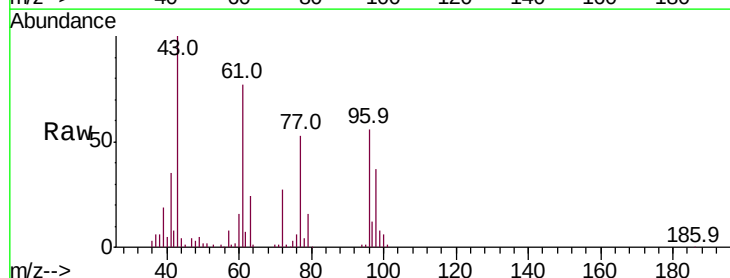
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0617WBSD01

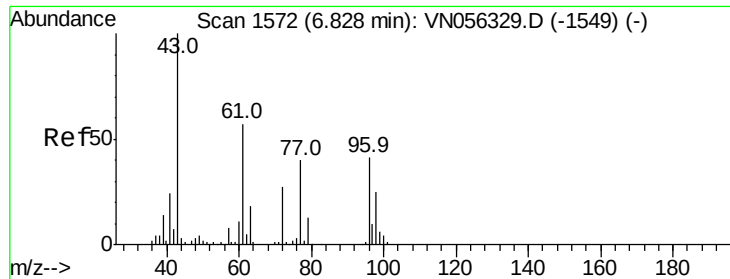
Tot Ion: 43 Resp: 258891
 Ion Ratio Lower Upper
 43 100
 72 27.9 21.4 32.2



#26
 2,2-Dichloropropane
 Concen: 17.161 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: VN056338.D
 Acq: 17 Jun 2019 14:23

Tgt Ion: 77 Resp: 80976
 Ion Ratio Lower Upper
 77 100
 97 24.8 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 19.850 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN056338.D

Acq: 17 Jun 2019 14:23

Instrument :

MSVOA_N

ClientSampleId :

VN0617WBSD01

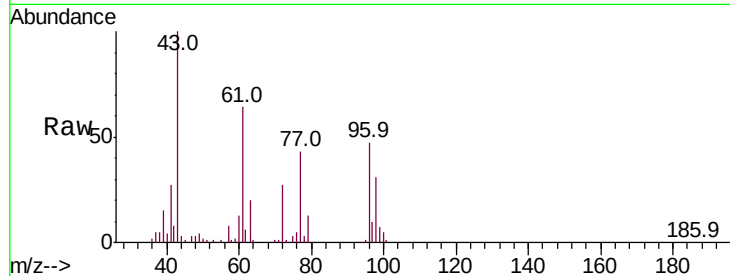
Tot Ion: 96 Resp: 82563

Ion Ratio Lower Upper

96 100

61 138.5 0.0 278.6

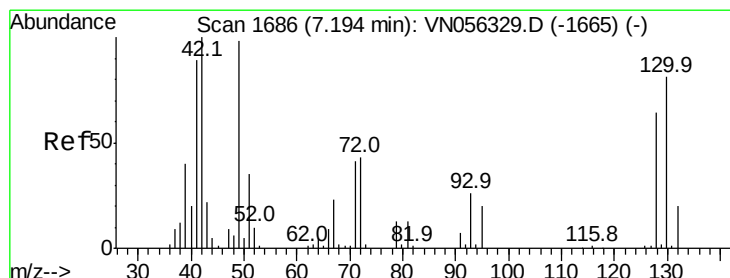
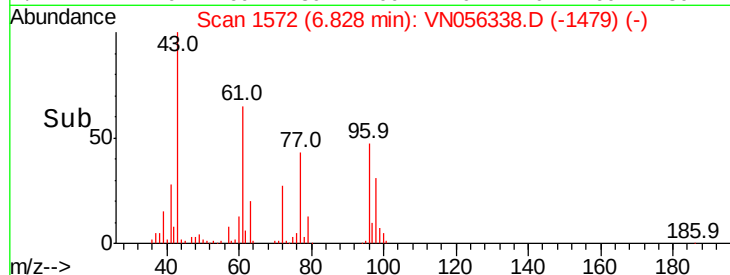
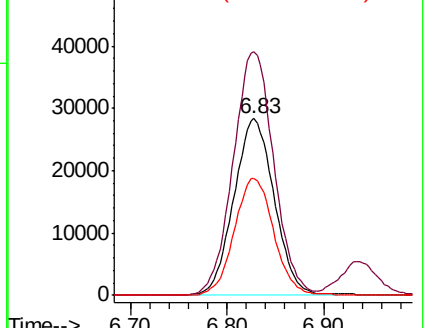
98 64.3 0.0 127.0



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: 20.754 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN056338.D

Acq: 17 Jun 2019 14:23

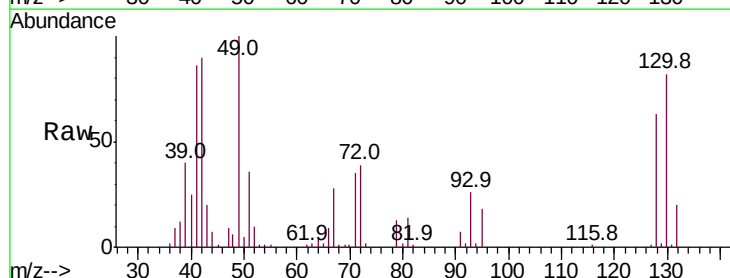
Tgt Ion: 49 Resp: 67819

Ion Ratio Lower Upper

49 100

129 1.2 0.0 4.4

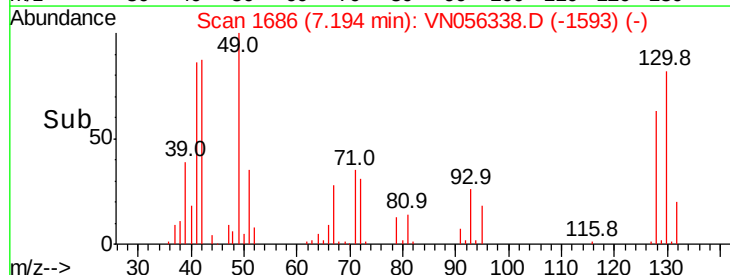
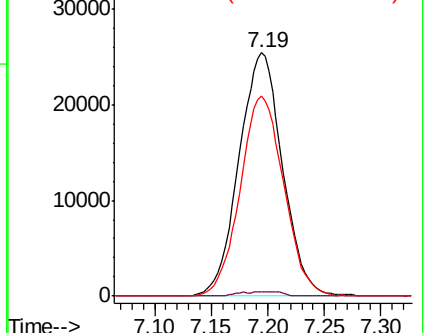
130 82.3 66.4 99.6

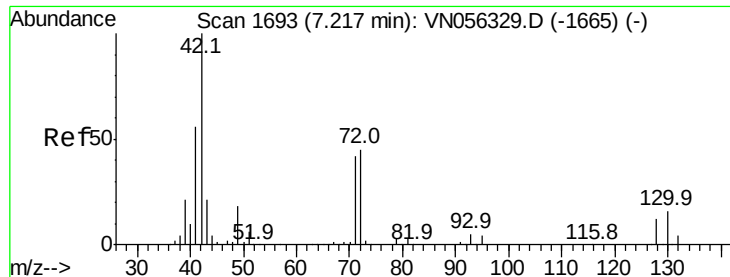


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

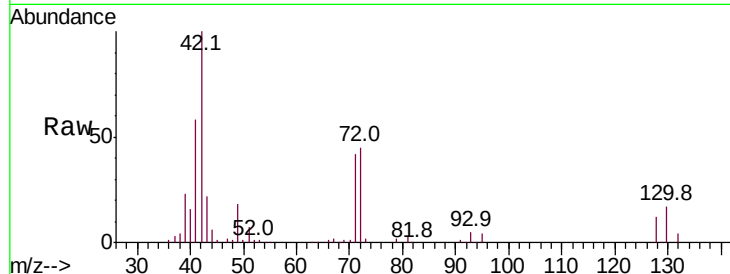




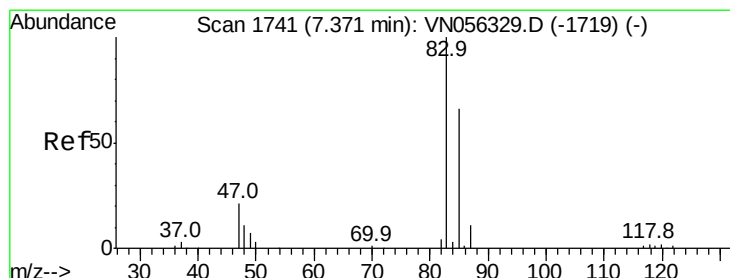
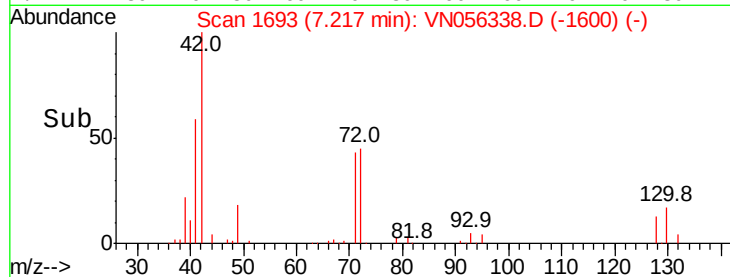
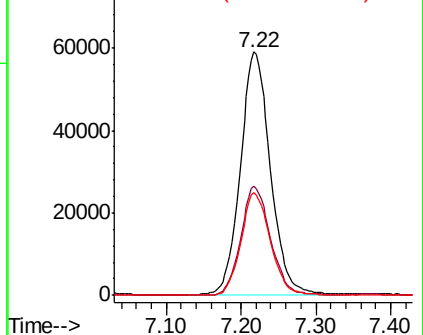
#29
Tetrahydrofuran
Concen: 101.851 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN056338.D
Acq: 17 Jun 2019 14:23

Instrument :
MSVOA_N
ClientSampleId :
VN0617WBSD01

Tot Ion: 42 Resp: 165749
Ion Ratio Lower Upper
42 100
72 44.1 35.3 52.9
71 40.9 32.7 49.1

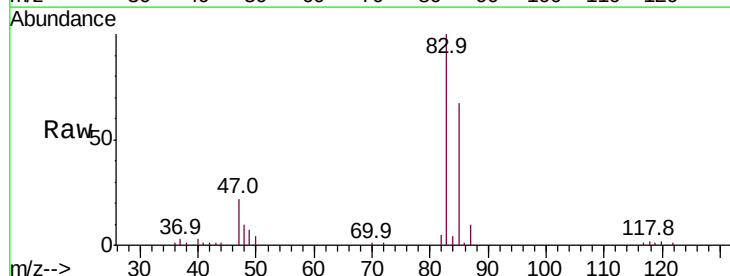


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

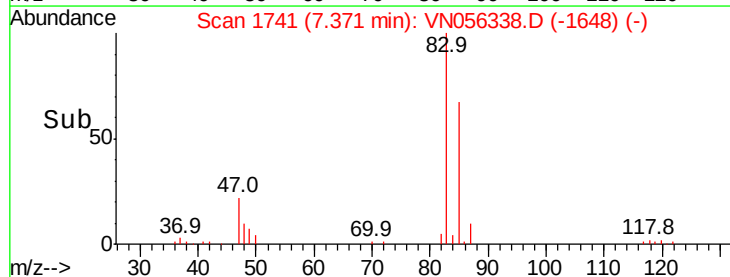
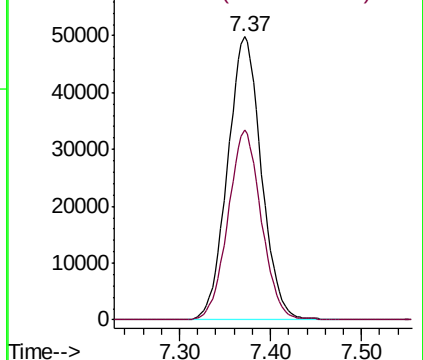


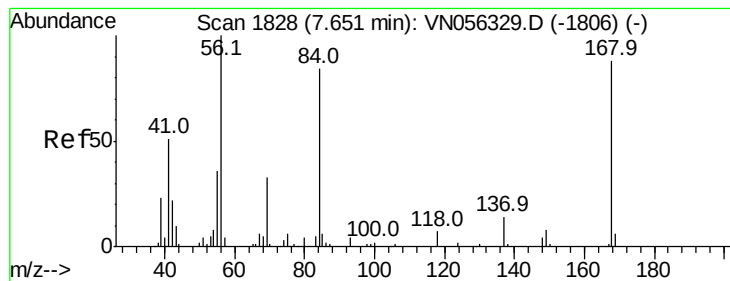
#30
Chloroform
Concen: 19.772 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056338.D
Acq: 17 Jun 2019 14:23

Tgt Ion: 83 Resp: 128520
Ion Ratio Lower Upper
83 100
85 67.1 52.6 78.8



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





#31

Cyclohexane

Concen: 19.945 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN056338.D

Acq: 17 Jun 2019 14:23

Instrument :

MSVOA_N

ClientSampleId :

VN0617WBSD01

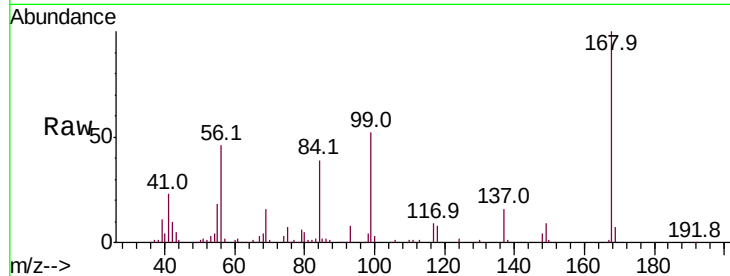
Tot Ion: 56 Resp: 125742

Ion Ratio Lower Upper

56 100

69 34.1 26.0 39.0

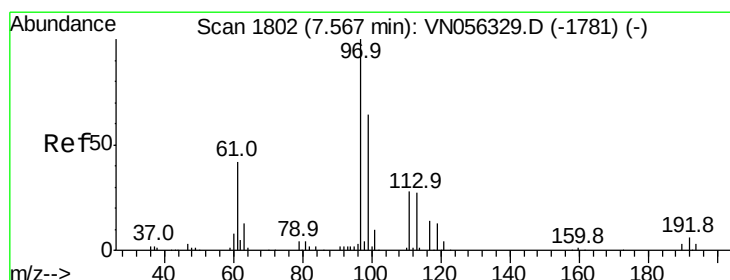
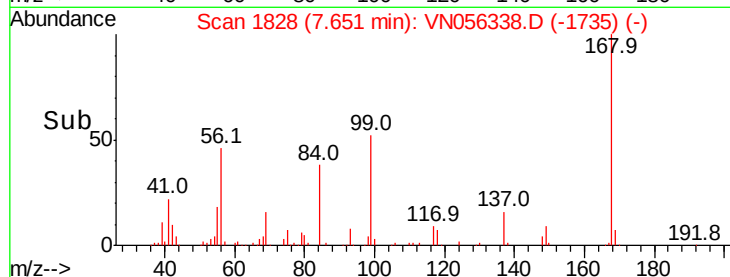
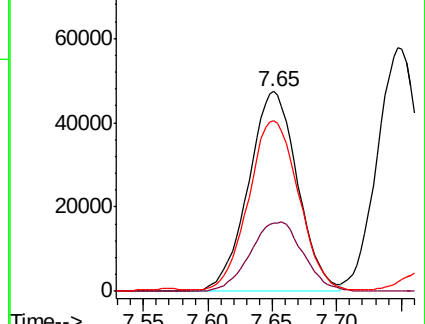
84 84.5 67.4 101.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 18.989 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN056338.D

Acq: 17 Jun 2019 14:23

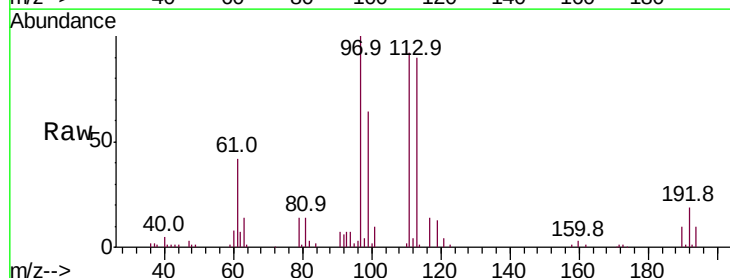
Tgt Ion: 97 Resp: 102242

Ion Ratio Lower Upper

97 100

99 65.2 51.4 77.0

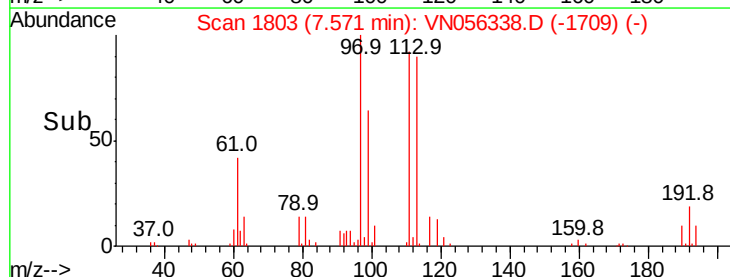
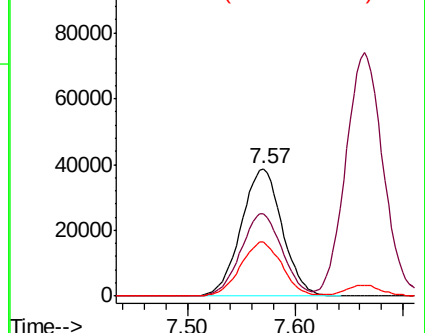
61 42.9 34.4 51.6

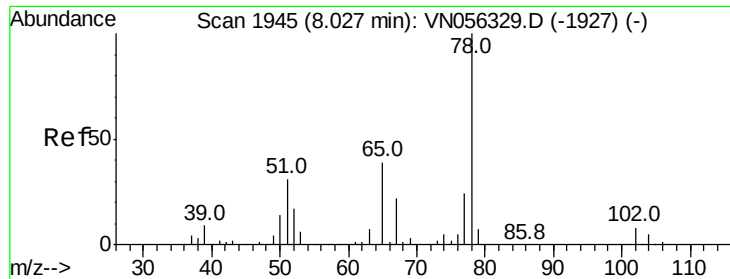


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

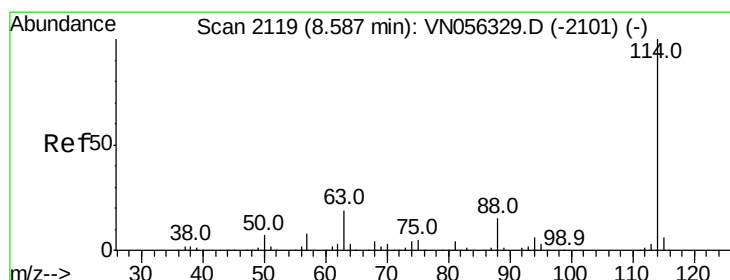
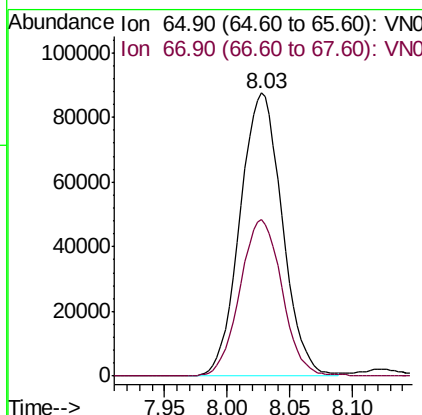
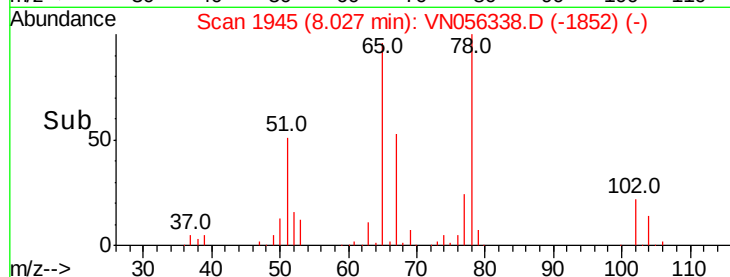
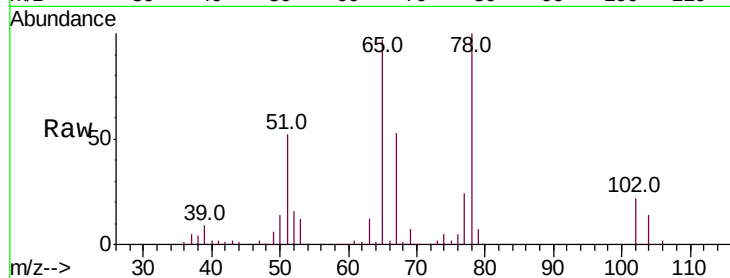




#33
 1,2-Dichloroethane-d4
 Concen: 50.144 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056338.D
 Acq: 17 Jun 2019 14:23

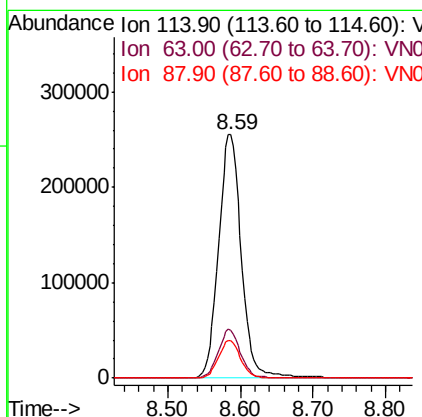
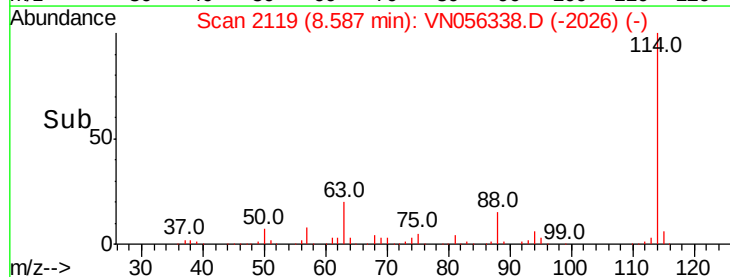
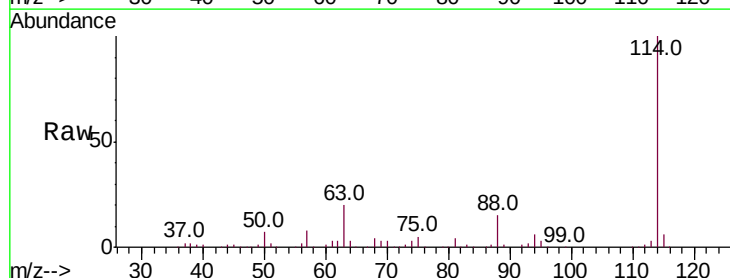
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0617WBSD01

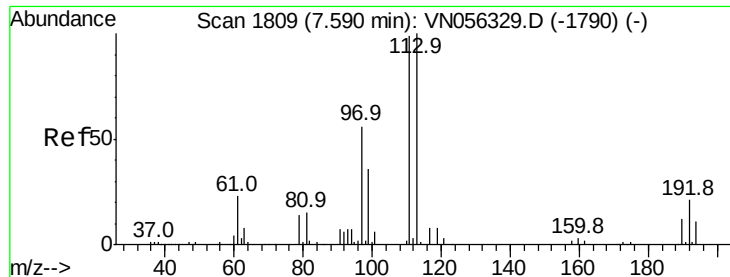
Tot Ion: 65 Resp: 205118
 Ion Ratio Lower Upper
 65 100
 67 55.2 0.0 110.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056338.D
 Acq: 17 Jun 2019 14:23

Tgt Ion:114 Resp: 554619
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 38.8
 88 15.3 0.0 30.6

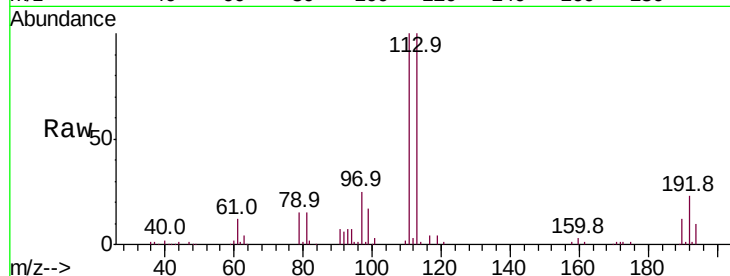




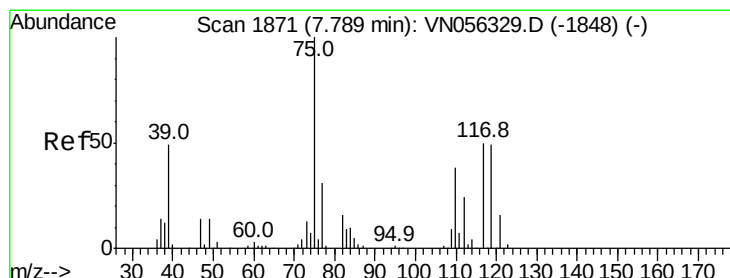
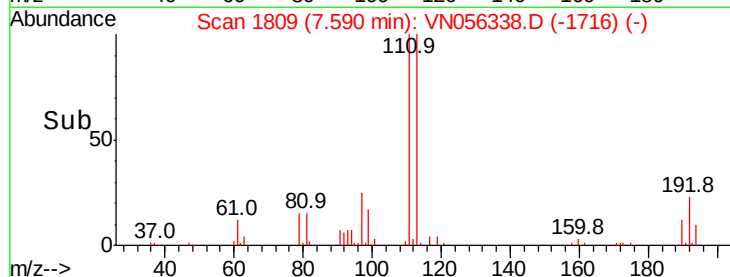
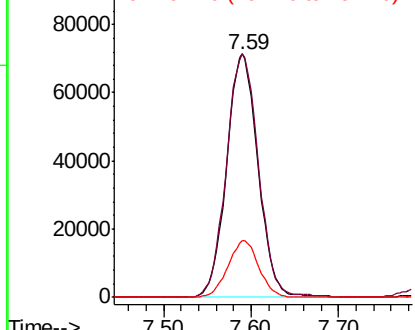
#35
 Dibromofluoromethane
 Concen: 50.051 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056338.D
 Acq: 17 Jun 2019 14:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0617WBSD01

Tot Ion:113 Resp: 178014
 Ion Ratio Lower Upper
 113 100
 111 102.3 82.1 123.1
 192 22.7 17.6 26.4

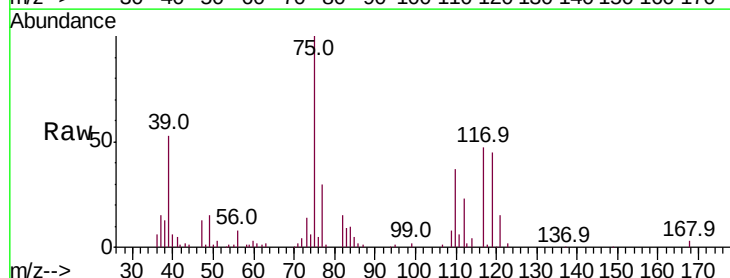


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

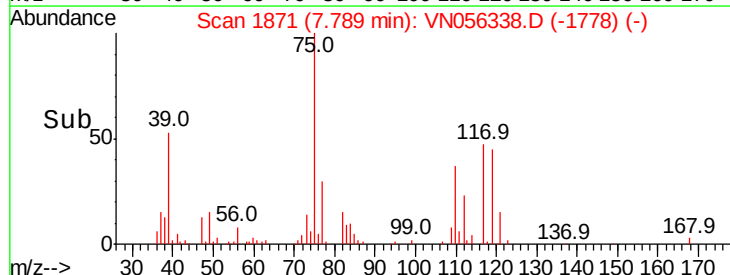
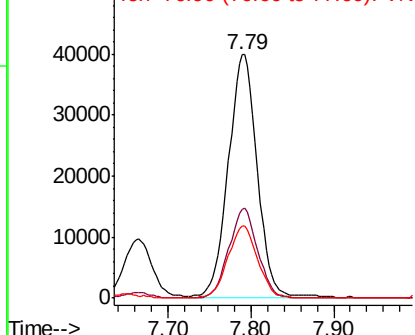


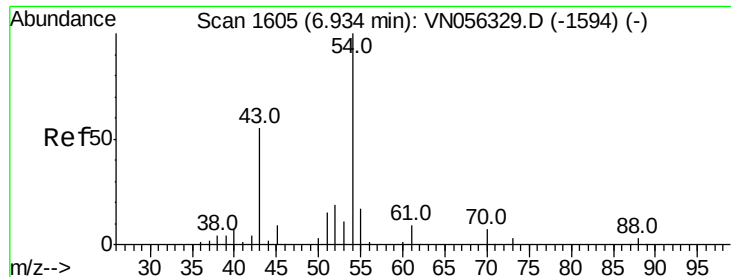
#36
 1,1-Dichloropropene
 Concen: 19.614 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN056338.D
 Acq: 17 Jun 2019 14:23

Tgt Ion: 75 Resp: 97894
 Ion Ratio Lower Upper
 75 100
 110 36.4 18.6 56.0
 77 30.1 25.0 37.6



Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VN0





#37

Ethyl Acetate

Concen: 21.393 ug/l

RT: 6.94 min Scan# 1606

Delta R.T. 0.00 min

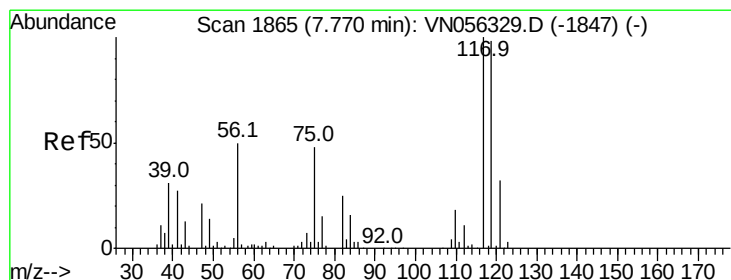
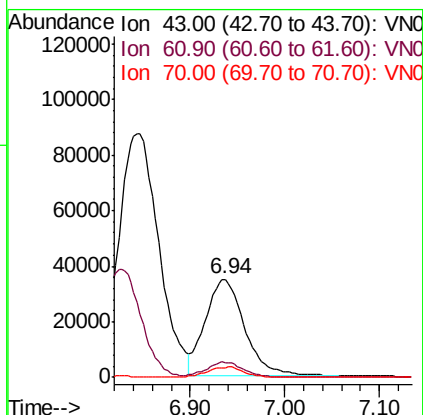
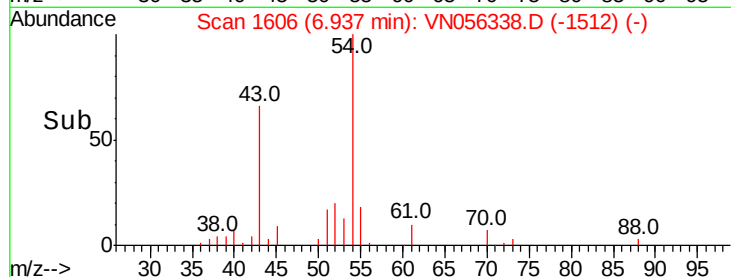
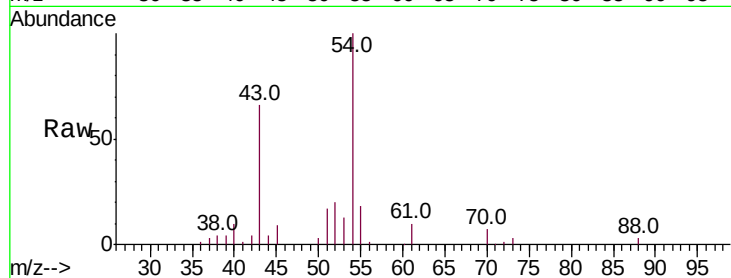
Lab File: VN056338.D

Acq: 17 Jun 2019 14:23

Instrument :
MSVOA_N
ClientSampleId :
VN0617WBSD01

Tot Ion: 43 Resp: 101183

Ion	Ratio	Lower	Upper
43	100		
61	15.1	11.7	17.5
70	10.1	8.3	12.5



#38

Carbon Tetrachloride

Concen: 17.951 ug/l

RT: 7.77 min Scan# 1865

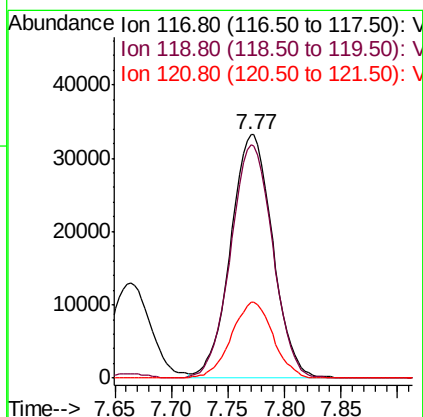
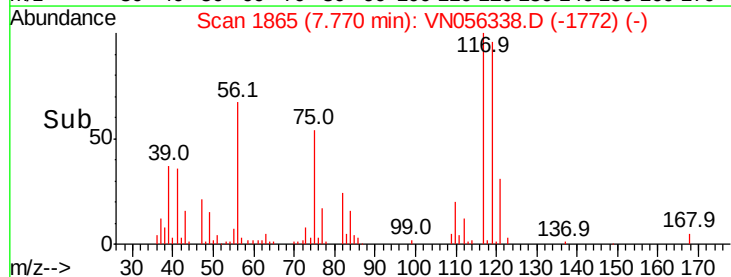
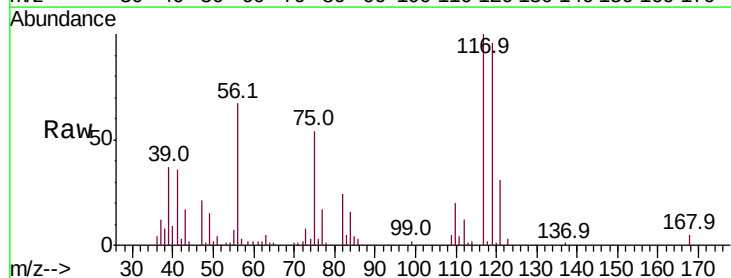
Delta R.T. 0.00 min

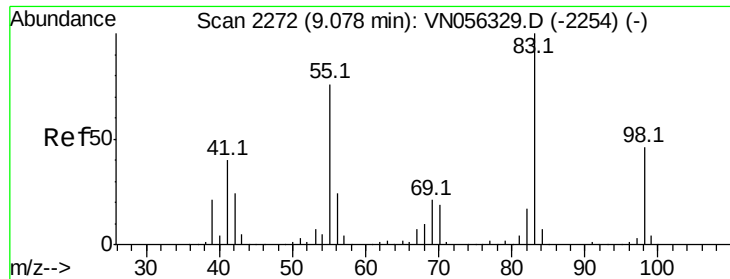
Lab File: VN056338.D

Acq: 17 Jun 2019 14:23

Tgt Ion: 117 Resp: 85994

Ion	Ratio	Lower	Upper
117	100		
119	95.9	77.8	116.8
121	31.0	25.3	37.9

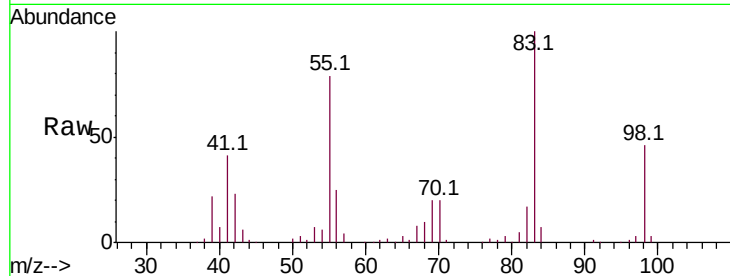




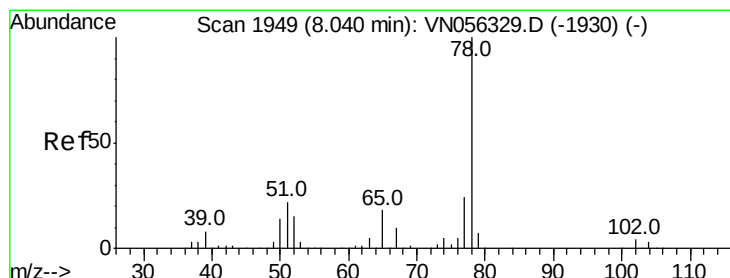
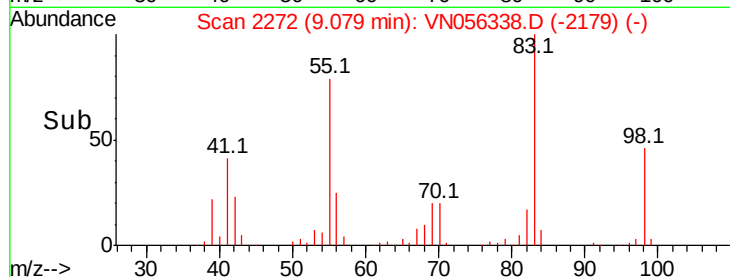
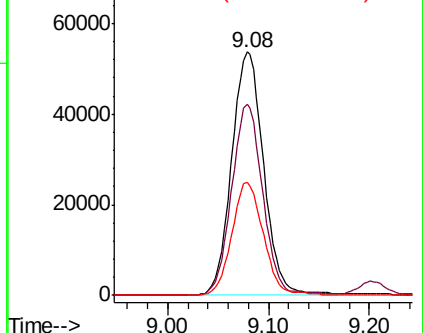
#39
Methylvlcyclohexane
Concen: 19.428 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056338.D
Acq: 17 Jun 2019 14:23

Instrument :
MSVOA_N
ClientSampleId :
VN0617WBSD01

Tot Ion: 83 Resp: 118276
Ion Ratio Lower Upper
83 100
55 78.6 60.8 91.2
98 46.5 36.8 55.2

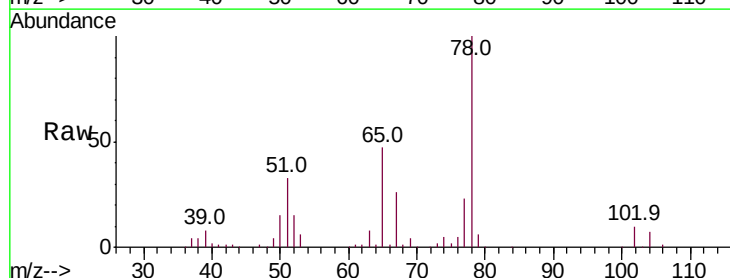


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

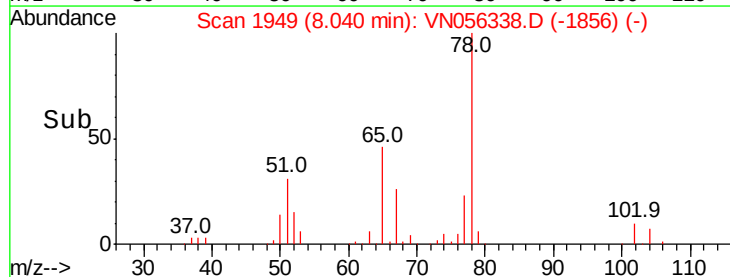
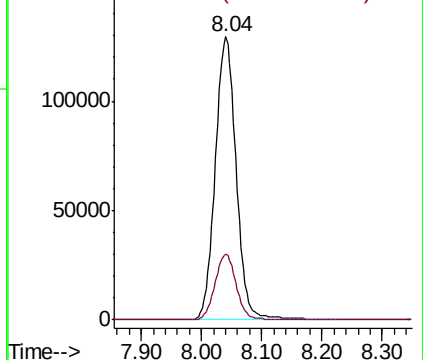


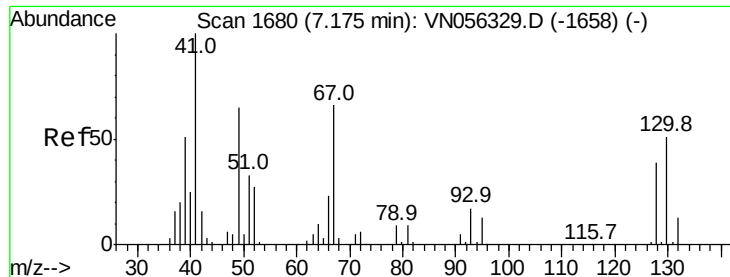
#40
Benzene
Concen: 20.287 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056338.D
Acq: 17 Jun 2019 14:23

Tgt Ion: 78 Resp: 307149
Ion Ratio Lower Upper
78 100
77 23.3 19.2 28.8



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

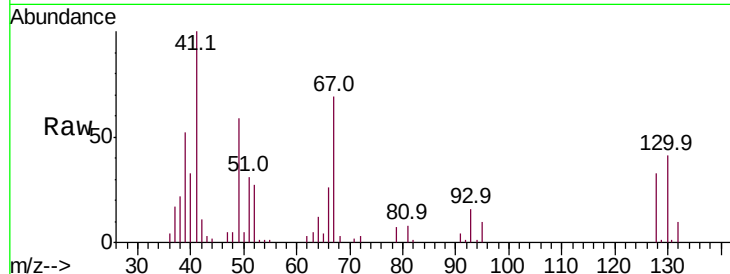




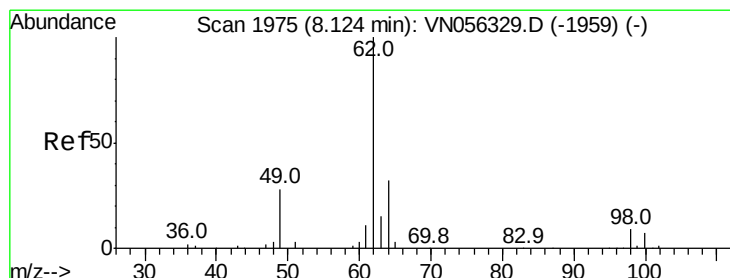
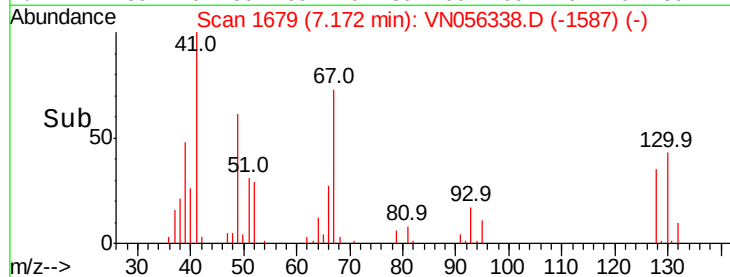
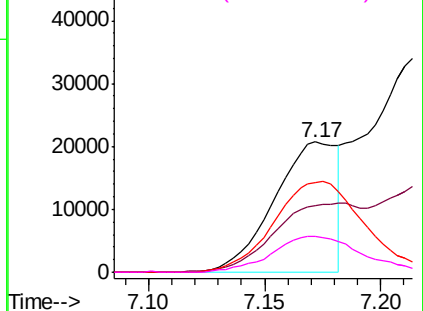
#41
Methacrylonitrile
Concen: 18.091 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN056338.D
Acq: 17 Jun 2019 14:23

Instrument :
MSVOA_N
ClientSampleId :
VN0617WBSD01

Tot Ion: 41 Resp: 39290
Ion Ratio Lower Upper
41 100
39 74.5 44.5 66.7#
67 101.6 69.0 103.4
52 40.3 28.1 42.1

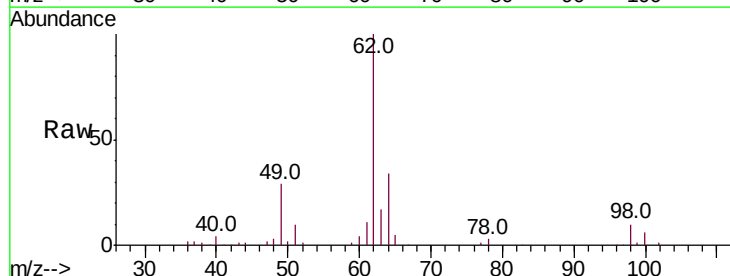


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

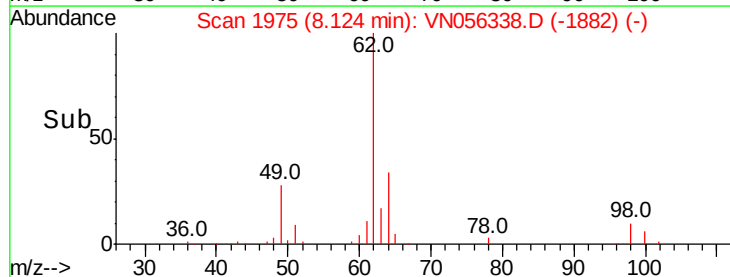
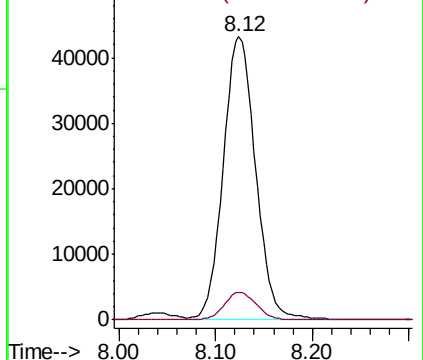


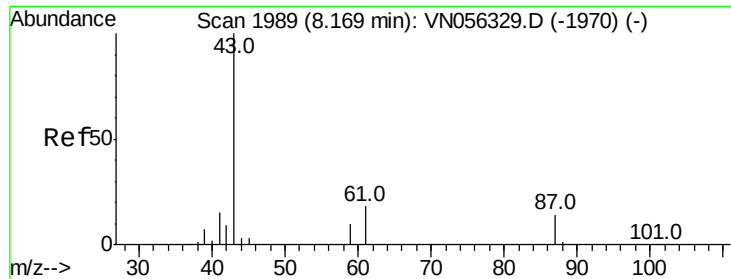
#42
1,2-Dichloroethane
Concen: 20.253 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056338.D
Acq: 17 Jun 2019 14:23

Tgt Ion: 62 Resp: 100554
Ion Ratio Lower Upper
62 100
98 9.6 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: 19.368 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN056338.D

Acq: 17 Jun 2019 14:23

Instrument :

MSVOA_N

ClientSampleId :

VN0617WBSD01

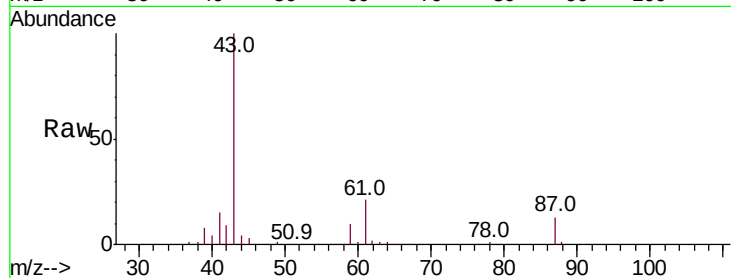
Tot Ion: 43 Resp: 146537

Ion Ratio Lower Upper

43 100

61 27.9 16.6 25.0#

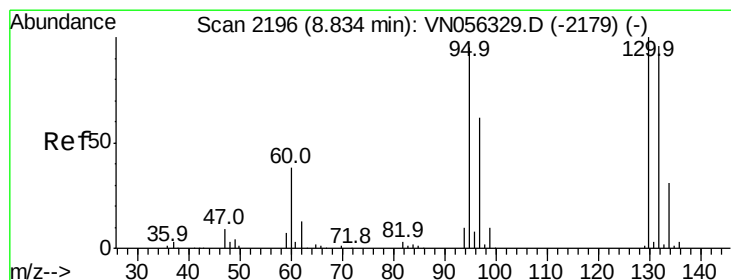
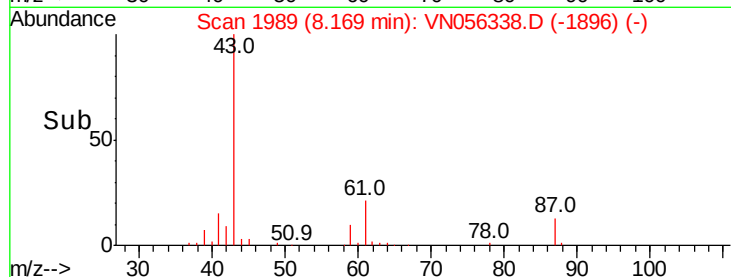
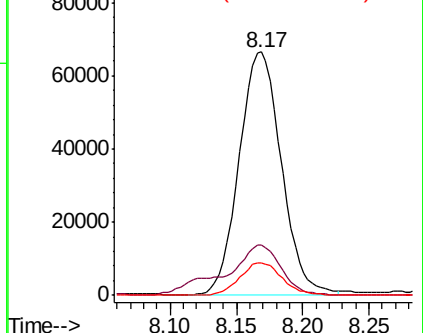
87 13.5 11.0 16.4



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: 19.619 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN056338.D

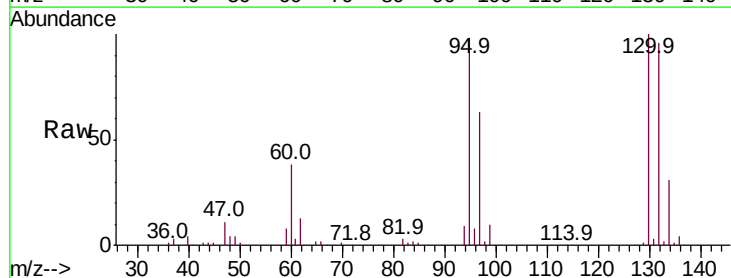
Acq: 17 Jun 2019 14:23

Tgt Ion:130 Resp: 80777

Ion Ratio Lower Upper

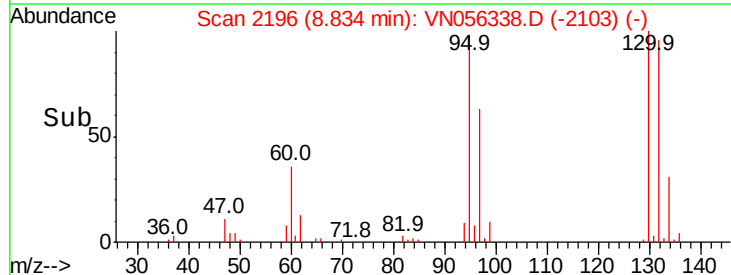
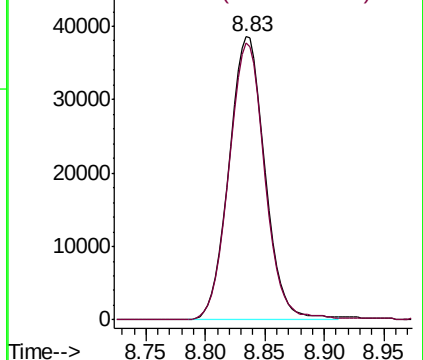
130 100

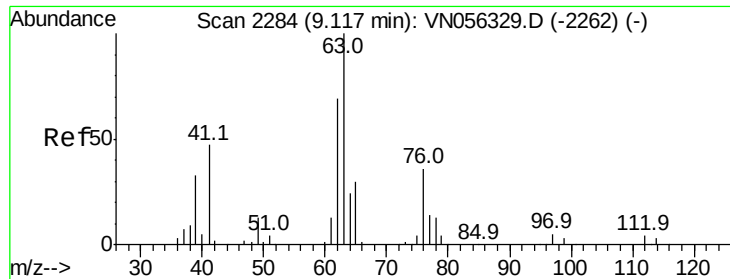
95 97.6 0.0 190.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0





#45

1,2-Dichloropropane

Concen: 20.106 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN056338.D

Acq: 17 Jun 2019 14:23

Instrument :

MSVOA_N

ClientSampleId :

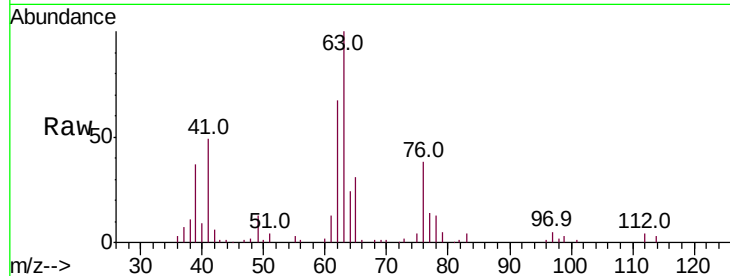
VN0617WBSD01

Tot Ion: 63 Resp: 80450

Ion Ratio Lower Upper

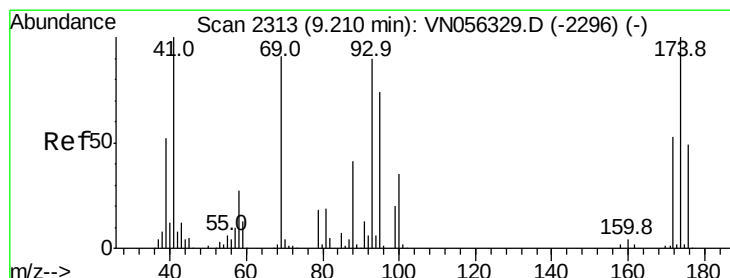
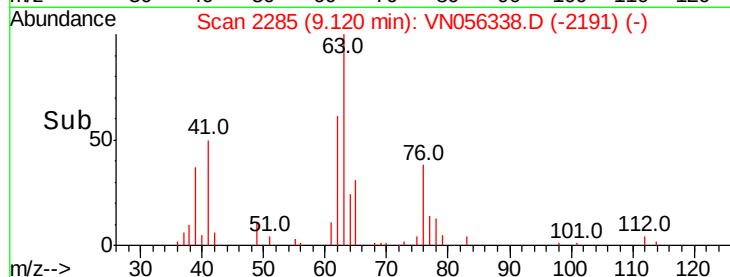
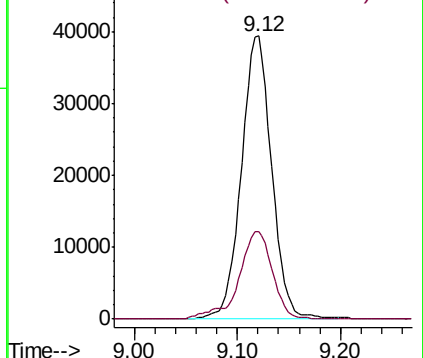
63 100

65 31.0 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 19.679 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN056338.D

Acq: 17 Jun 2019 14:23

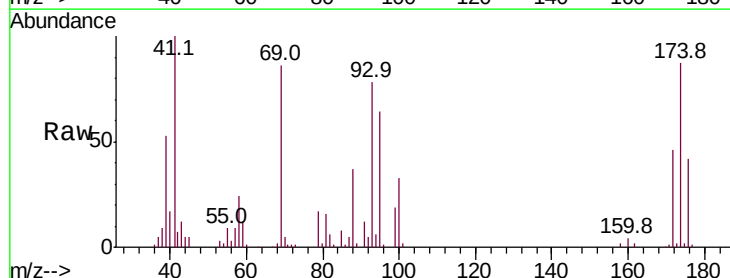
Tgt Ion: 93 Resp: 52326

Ion Ratio Lower Upper

93 100

95 83.1 67.2 100.8

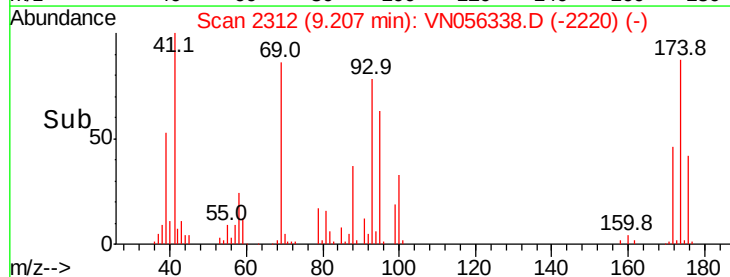
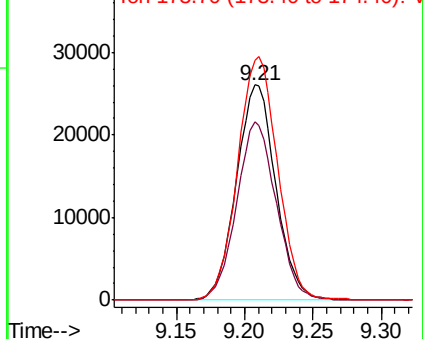
174 114.9 90.3 135.5

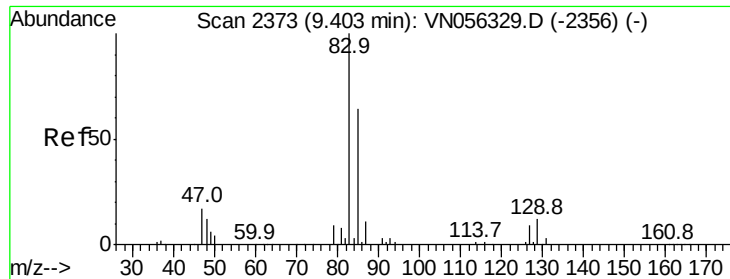


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 17.939 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN056338.D

Acq: 17 Jun 2019 14:23

Instrument :

MSVOA_N

ClientSampleId :

VN0617WBSD01

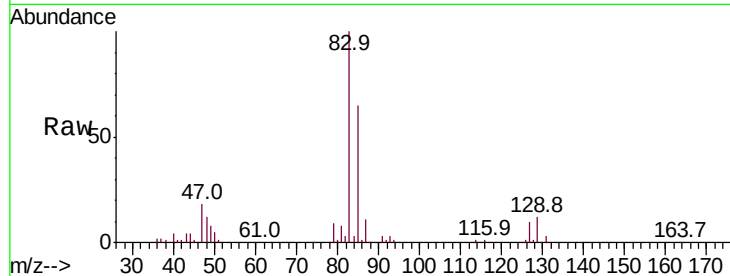
Tot Ion: 83 Resp: 91130

Ion Ratio Lower Upper

83 100

85 64.6 51.1 76.7

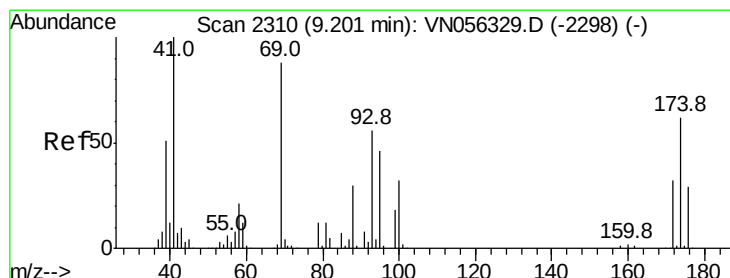
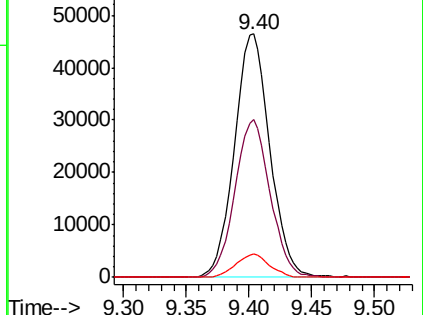
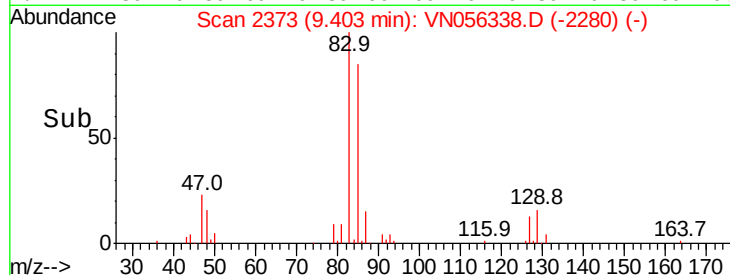
127 9.5 7.1 10.7



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 18.846 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN056338.D

Acq: 17 Jun 2019 14:23

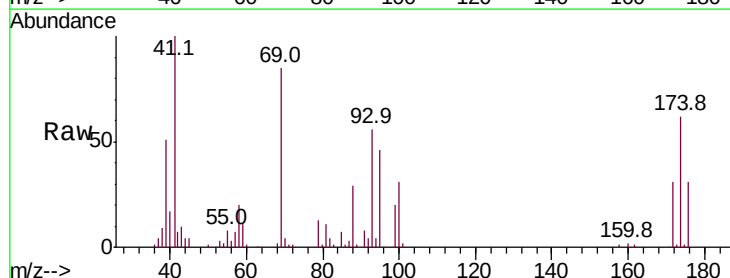
Tgt Ion: 41 Resp: 71941

Ion Ratio Lower Upper

41 100

69 90.2 71.0 106.6

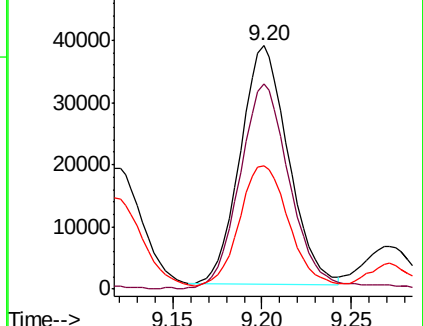
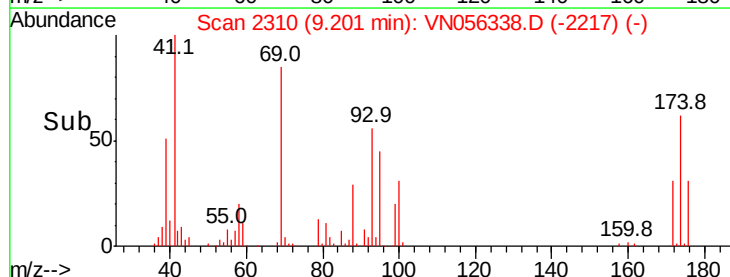
39 53.8 41.7 62.5

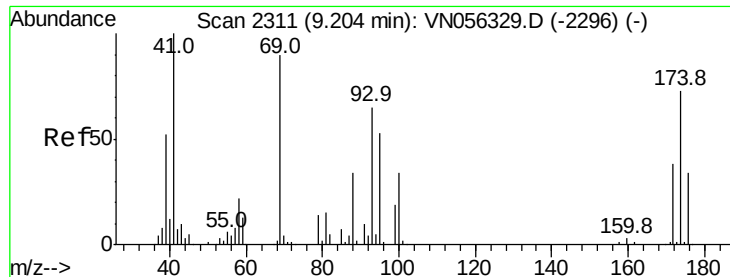


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 404.225 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN056338.D

Acq: 17 Jun 2019 14:23

Instrument :

MSVOA_N

ClientSampleId :

VN0617WBSD01

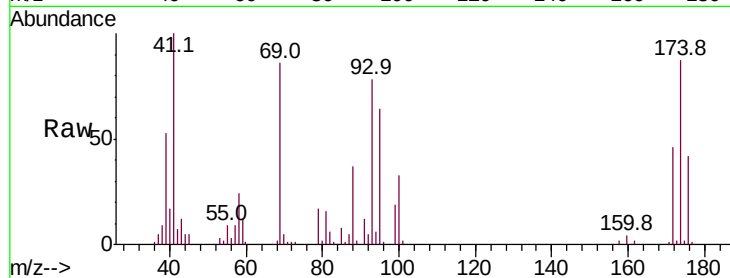
Tot Ion: 88 Resp: 31127

Ion Ratio Lower Upper

88 100

43 26.8 21.9 32.9

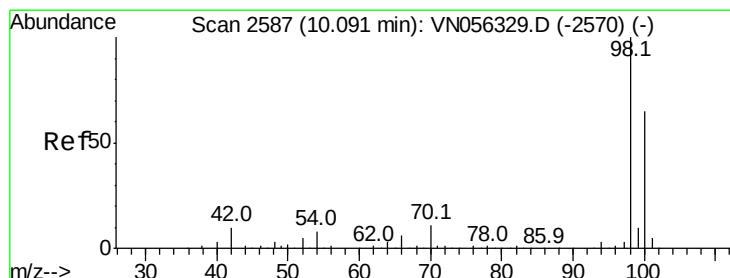
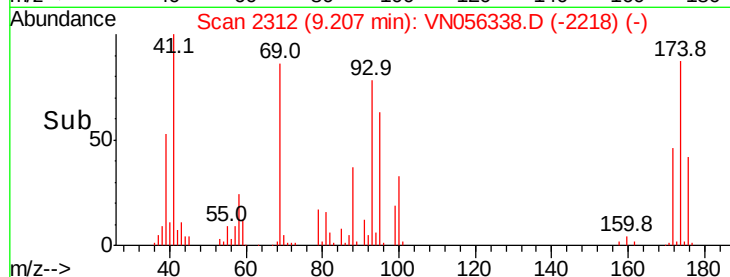
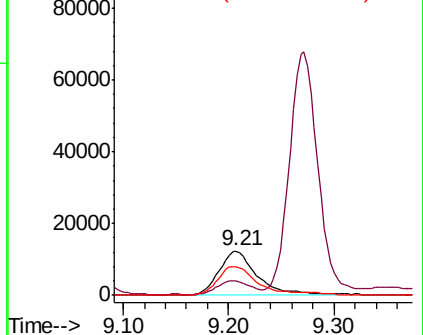
58 70.8 57.3 85.9



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: 50.560 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056338.D

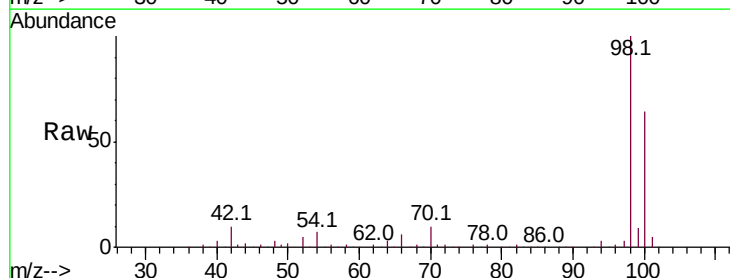
Acq: 17 Jun 2019 14:23

Tgt Ion: 98 Resp: 686974

Ion Ratio Lower Upper

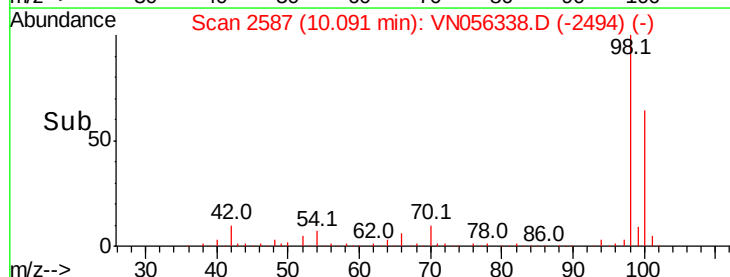
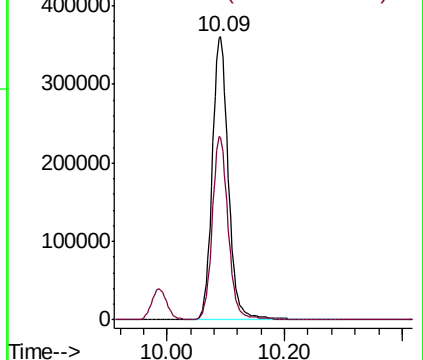
98 100

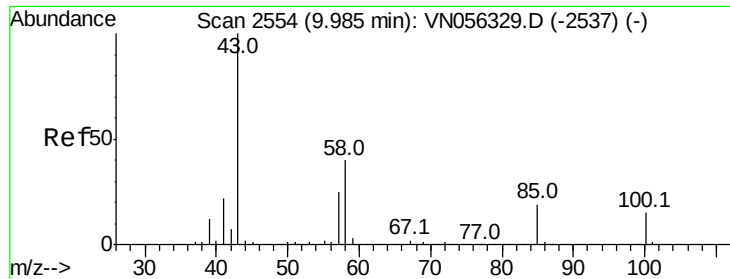
100 63.7 51.6 77.4



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: 98.556 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056338.D

Acq: 17 Jun 2019 14:23

Instrument :

MSVOA_N

ClientSampleId :

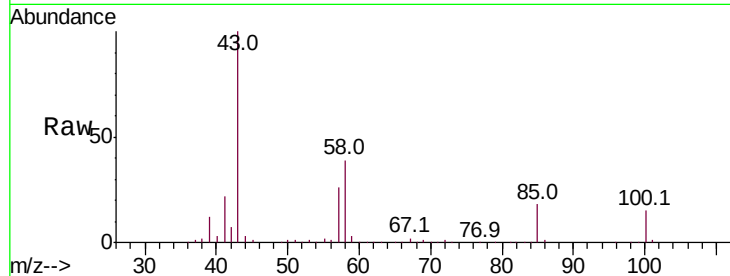
VN0617WBSD01

Tot Ion: 43 Resp: 475245

Ion Ratio Lower Upper

43 100

58 39.2 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

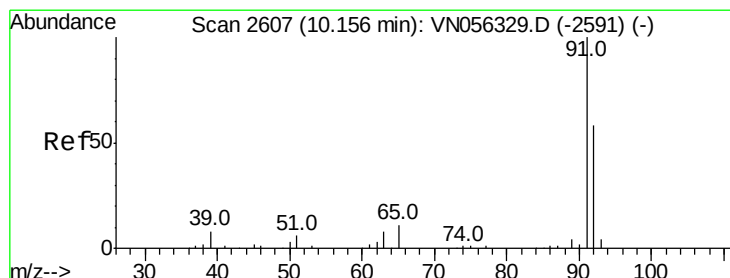
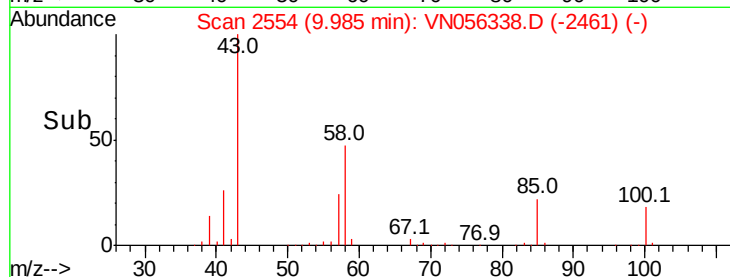
0

Time-->

9.90

10.00

10.10



#52

Toluene

Concen: 20.321 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056338.D

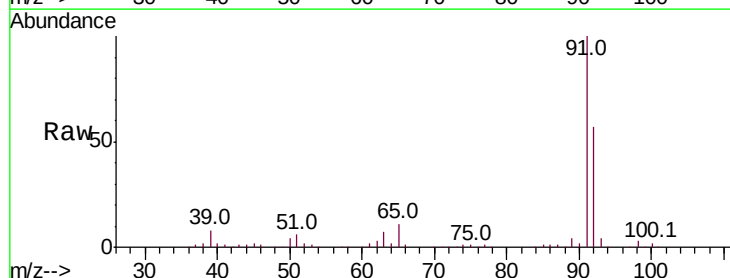
Acq: 17 Jun 2019 14:23

Tgt Ion: 92 Resp: 187788

Ion Ratio Lower Upper

92 100

91 173.5 139.1 208.7



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

200000

150000

100000

50000

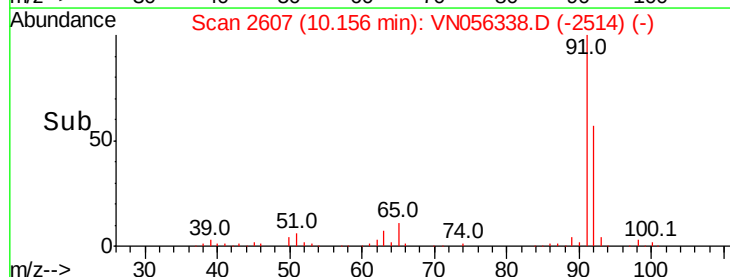
0

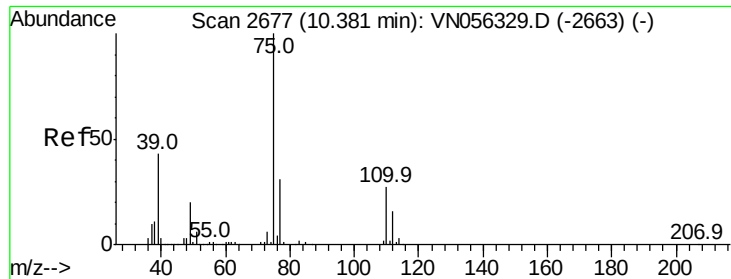
Time-->

10.10

10.20

10.30





#53

t-1,3-Dichloropropene

Concen: 17.605 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN056338.D

Acq: 17 Jun 2019 14:23

Instrument :

MSVOA_N

ClientSampled :

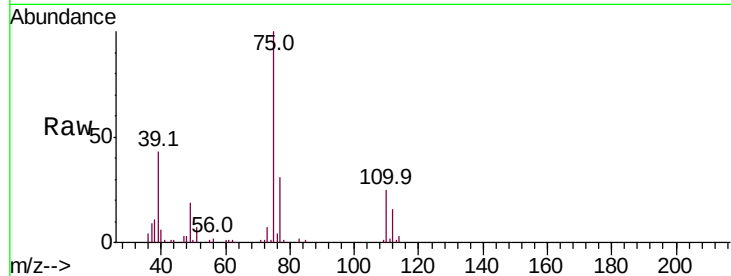
VN0617WBSD01

Tot Ion: 75 Resp: 88801

Ion Ratio Lower Upper

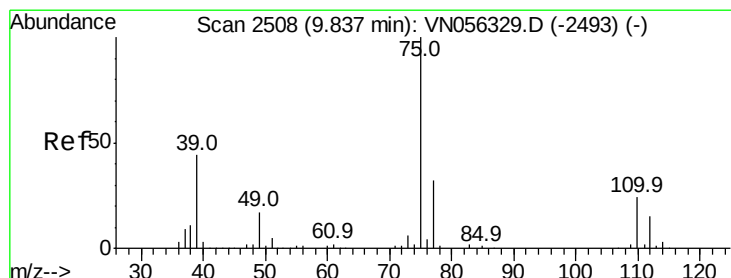
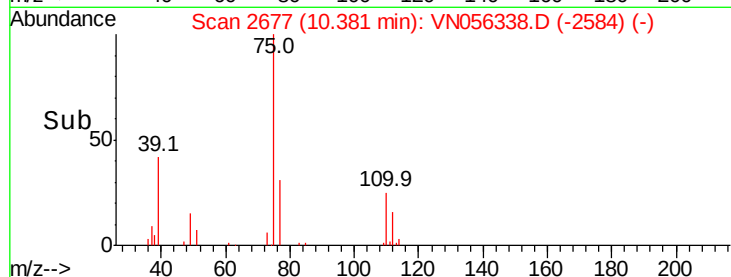
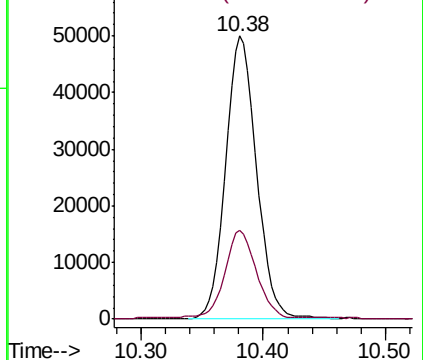
75 100

77 31.0 25.1 37.7



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 18.336 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN056338.D

Acq: 17 Jun 2019 14:23

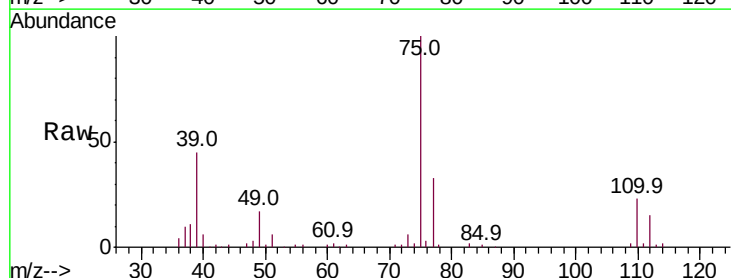
Tgt Ion: 75 Resp: 106675

Ion Ratio Lower Upper

75 100

77 32.8 25.7 38.5

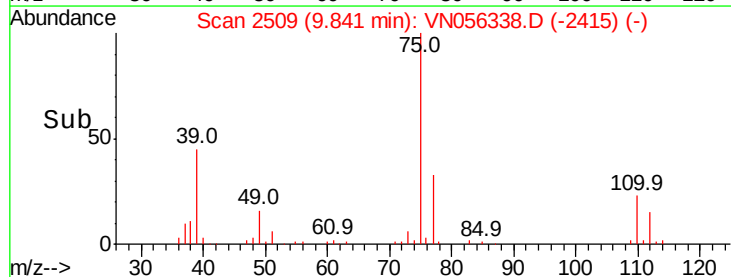
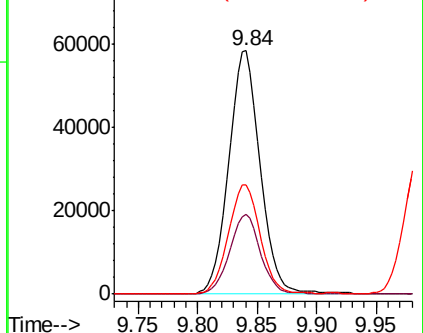
39 44.9 35.4 53.0

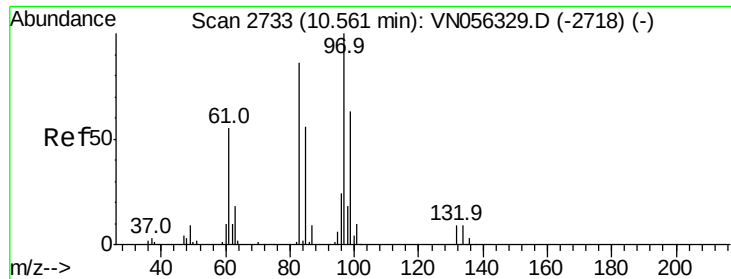


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0



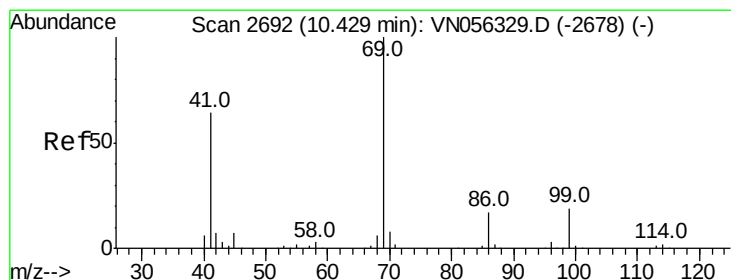
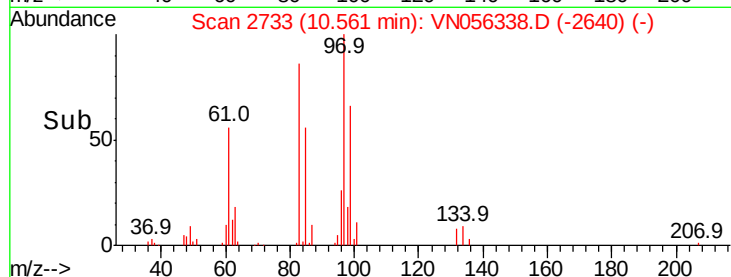
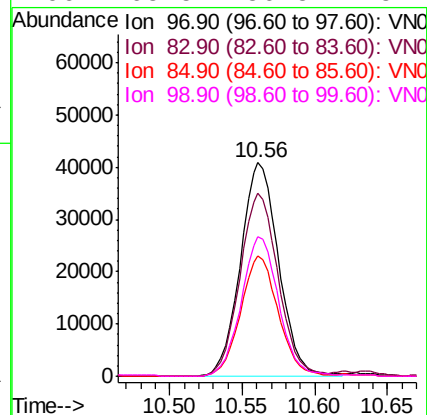
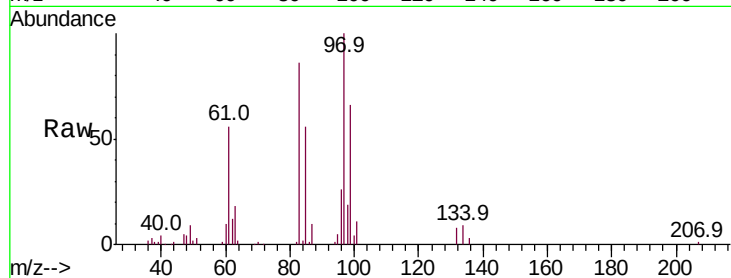


#55
 1,1,2-Trichloroethane
 Concen: 19.683 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN056338.D
 Acq: 17 Jun 2019 14:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0617WBSD01

Tot Ion: 97 Resp: 74753

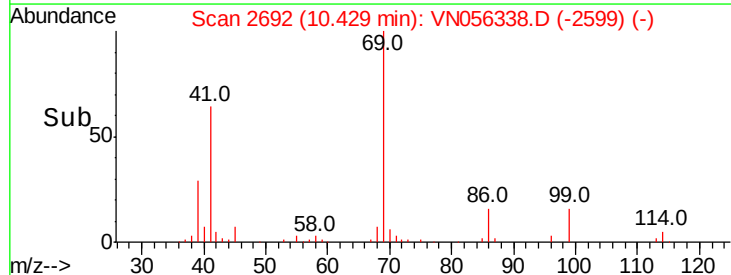
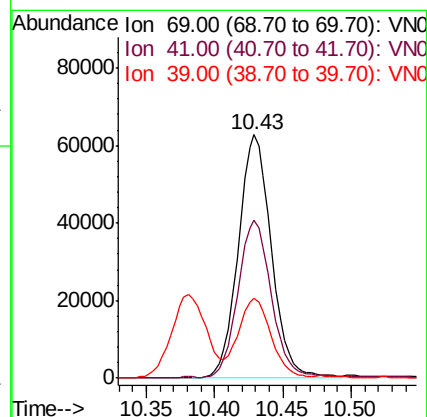
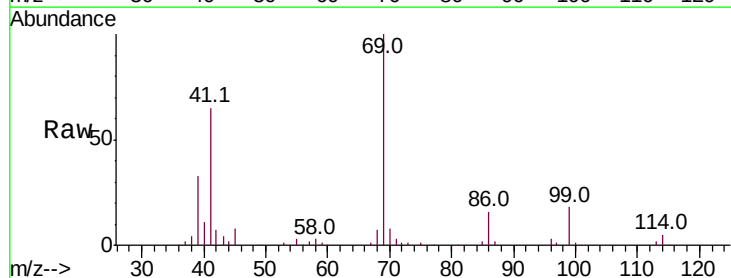
Ion	Ratio	Lower	Upper
97	100		
83	85.6	69.0	103.4
85	56.4	44.6	67.0
99	65.5	50.5	75.7

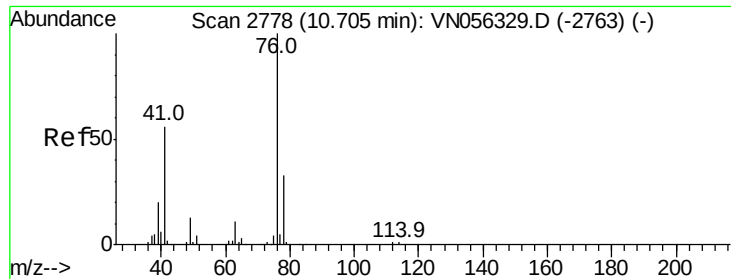


#56
 Ethyl methacrylate
 Concen: 19.431 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN056338.D
 Acq: 17 Jun 2019 14:23

Tgt Ion: 69 Resp: 106126

Ion	Ratio	Lower	Upper
69	100		
41	64.5	52.0	78.0
39	30.9	24.4	36.6

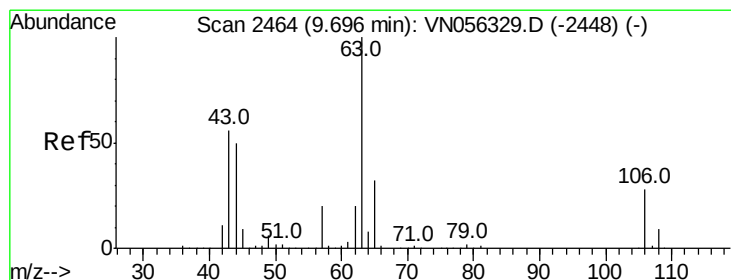
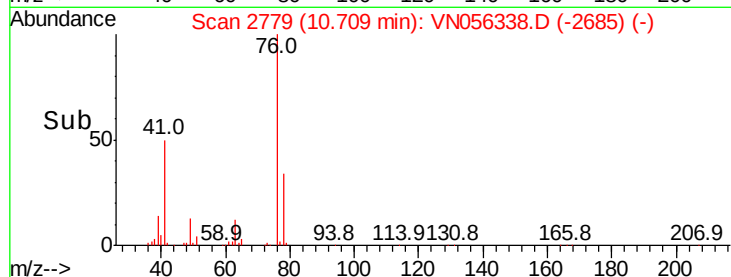
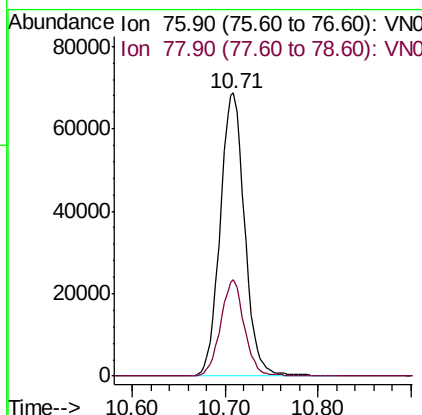
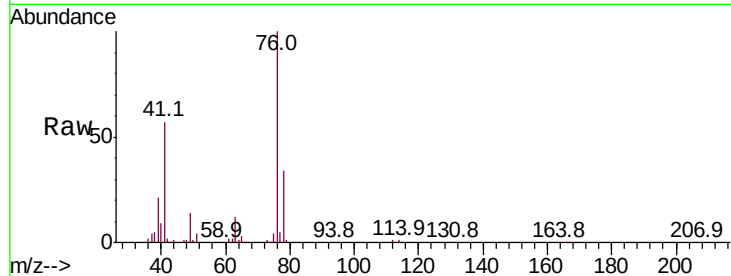




#57
 1,3-Dichloropropane
 Concen: 19.690 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN056338.D
 Acq: 17 Jun 2019 14:23

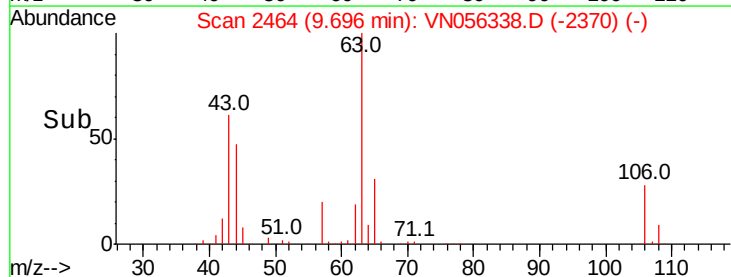
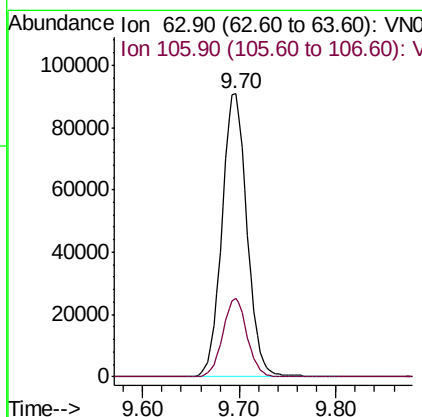
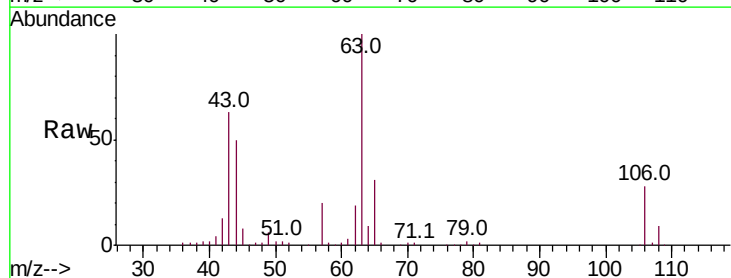
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0617WBSD01

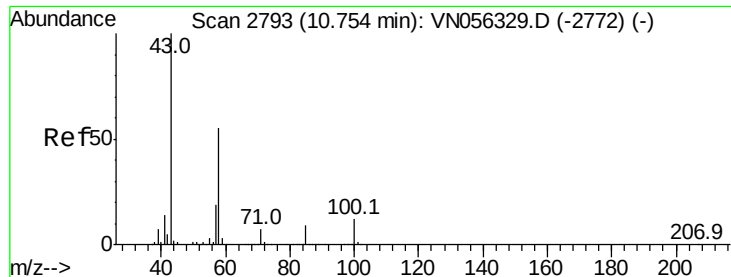
Tot Ion: 76 Resp: 125959
 Ion Ratio Lower Upper
 76 100
 78 32.7 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 90.846 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN056338.D
 Acq: 17 Jun 2019 14:23

Tgt Ion: 63 Resp: 163600
 Ion Ratio Lower Upper
 63 100
 106 26.8 22.2 33.2





#59

2-Hexanone

Concen: 94.782 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.00 min

Lab File: VN056338.D

Acq: 17 Jun 2019 14:23

Instrument :

MSVOA_N

ClientSampleId :

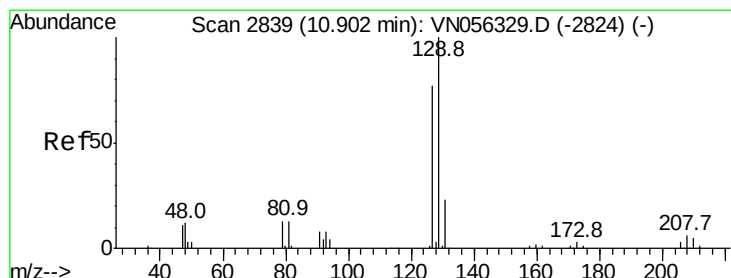
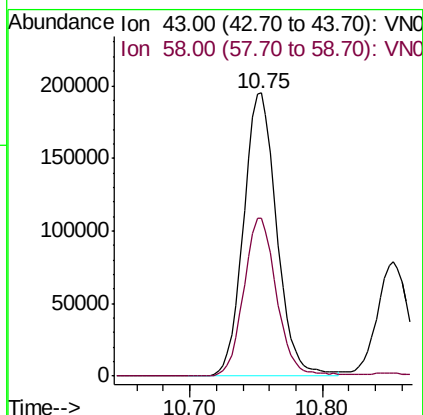
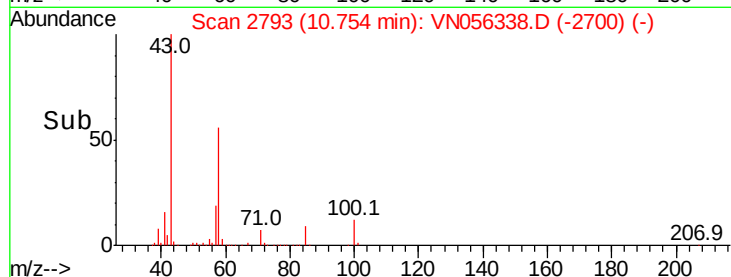
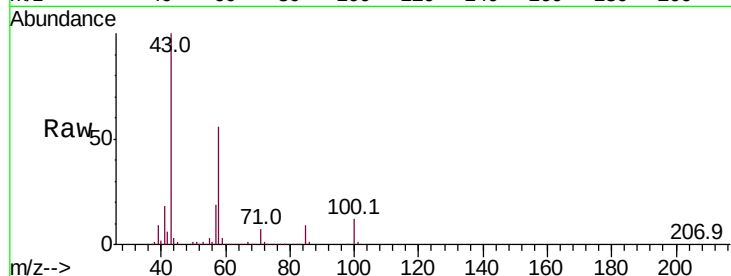
VN0617WBSD01

Tot Ion: 43 Resp: 338967

Ion Ratio Lower Upper

43 100

58 55.4 27.8 83.4



#60

Dibromochloromethane

Concen: 17.257 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN056338.D

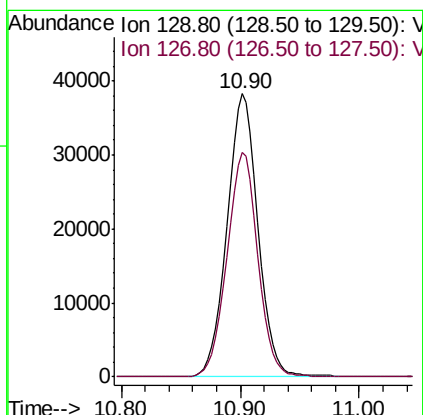
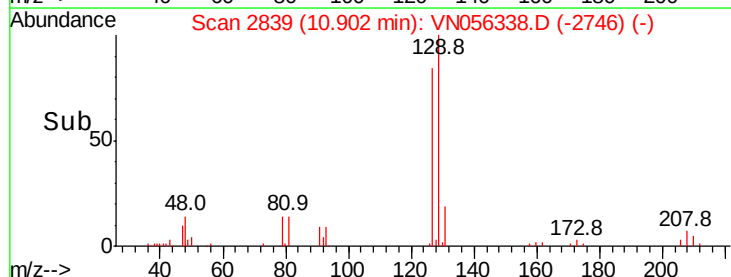
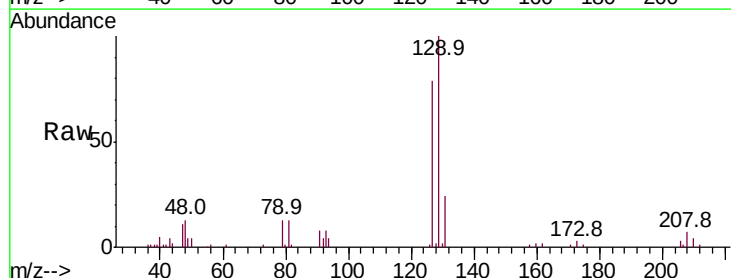
Acq: 17 Jun 2019 14:23

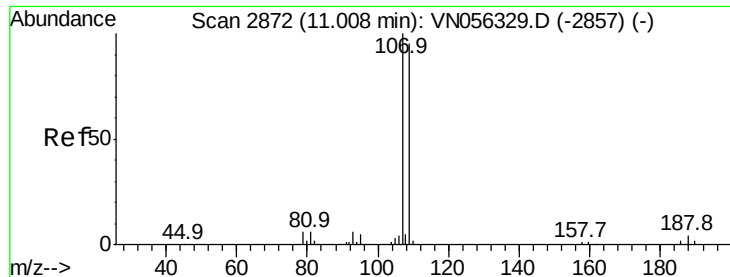
Tgt Ion: 129 Resp: 68741

Ion Ratio Lower Upper

129 100

127 79.1 38.6 116.0





#61

1,2-Dibromoethane

Concen: 19.241 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN056338.D

Acq: 17 Jun 2019 14:23

Instrument :

MSVOA_N

ClientSampleId :

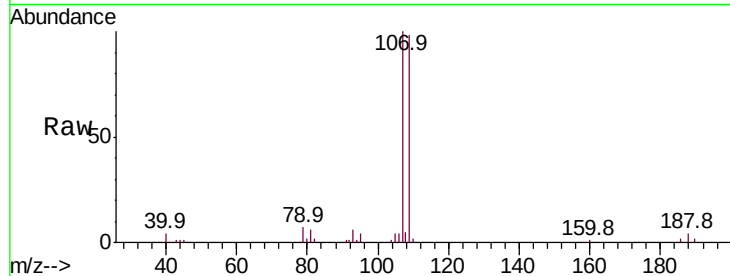
VN0617WBSD01

Tot Ion:107 Resp: 75113

Ion Ratio Lower Upper

107 100

109 97.1 75.4 113.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

40000

30000

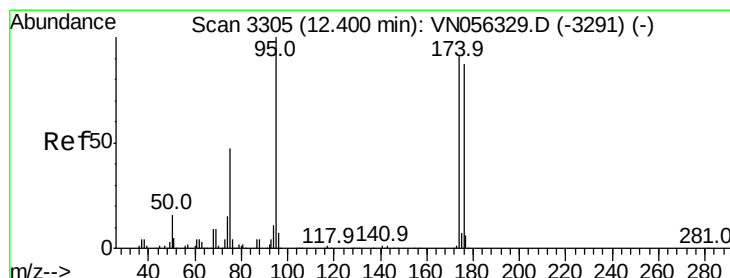
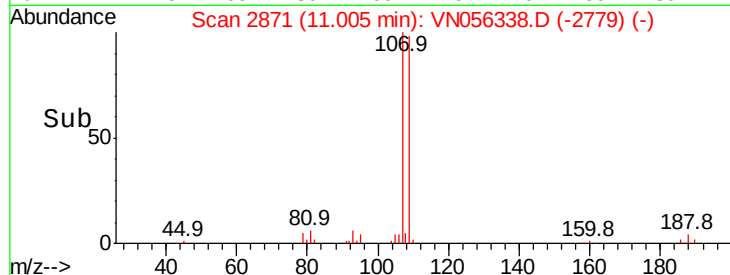
20000

10000

0

Time-->

10.95 11.00 11.05 11.10



#62

4-Bromofluorobenzene

Concen: 48.533 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056338.D

Acq: 17 Jun 2019 14:23

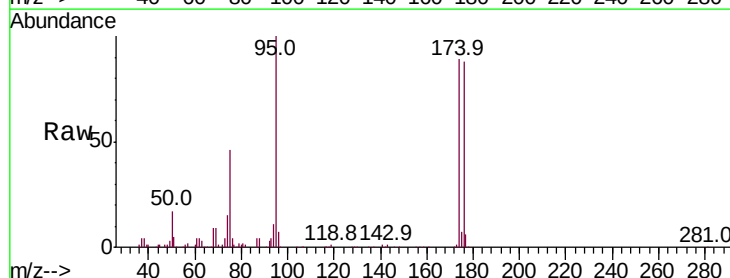
Tgt Ion: 95 Resp: 218517

Ion Ratio Lower Upper

95 100

174 90.5 0.0 182.6

176 88.3 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

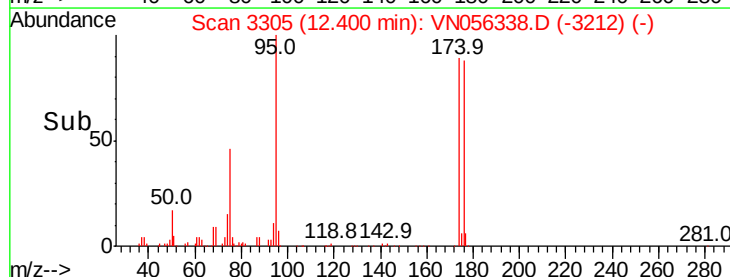
100000

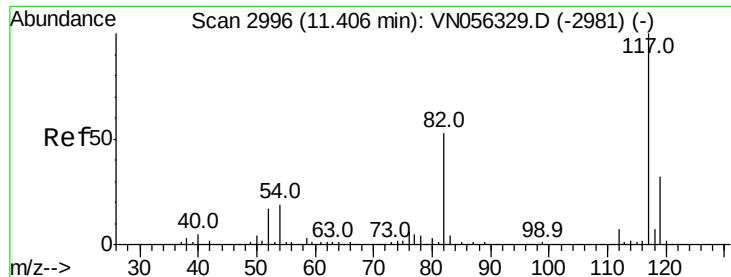
50000

0

Time-->

12.30 12.40 12.50

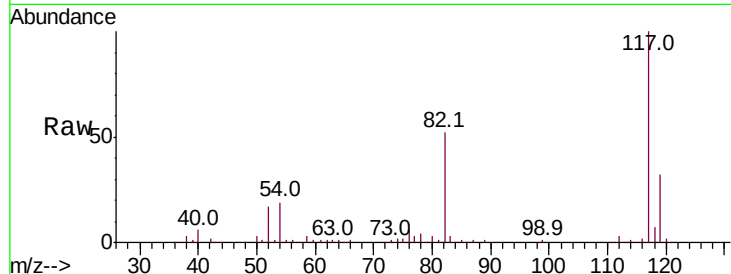




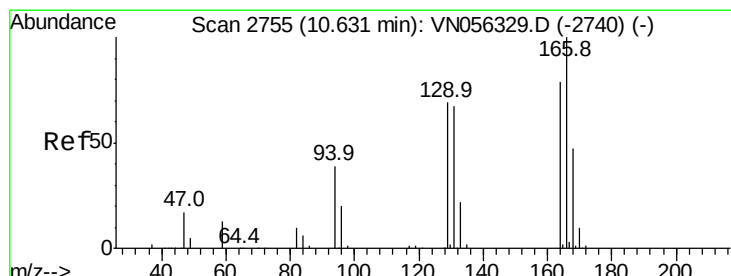
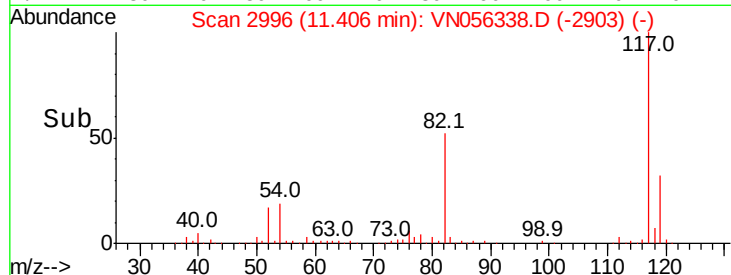
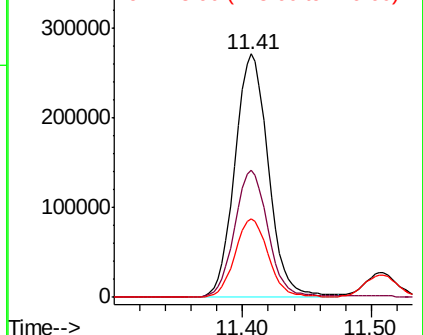
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056338.D
Acq: 17 Jun 2019 14:23

Instrument :
MSVOA_N
ClientSampled :
VN0617WBSD01

Tot Ion:117 Resp: 491436
Ion Ratio Lower Upper
117 100
82 52.2 42.4 63.6
119 32.1 26.0 39.0

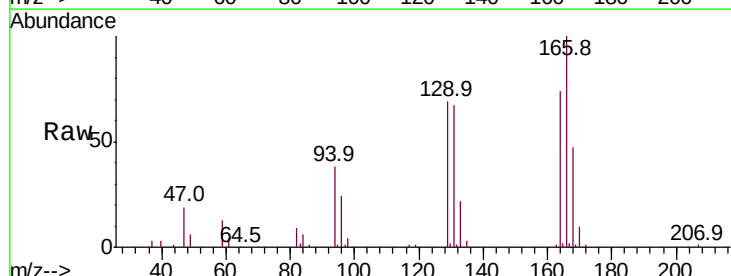


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

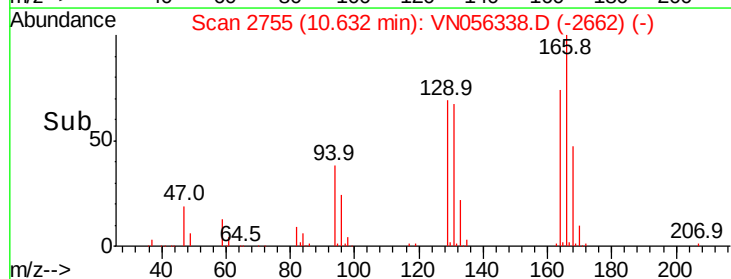
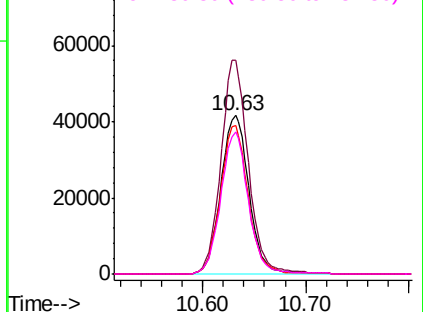


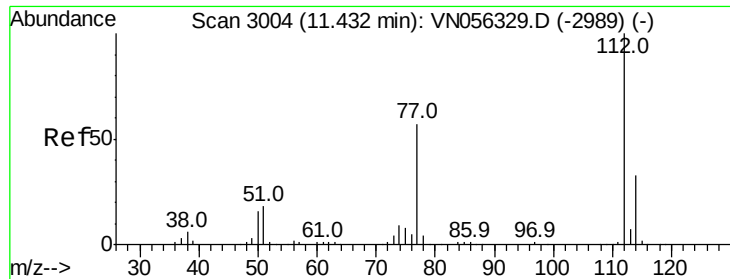
#64
Tetrachloroethene
Concen: 19.663 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN056338.D
Acq: 17 Jun 2019 14:23

Tgt Ion:164 Resp: 79243
Ion Ratio Lower Upper
164 100
166 134.7 101.8 152.6
129 93.5 70.3 105.5
131 89.6 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: 19.765 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN056338.D

Acq: 17 Jun 2019 14:23

Instrument :

MSVOA_N

ClientSampleId :

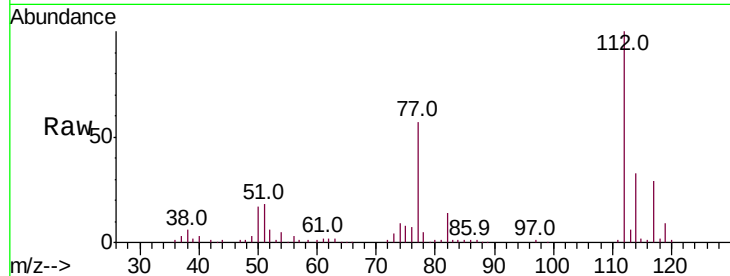
VN0617WBSD01

Tot Ion:112 Resp: 197201

Ion Ratio Lower Upper

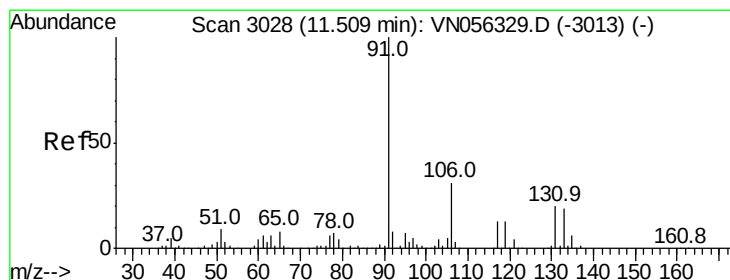
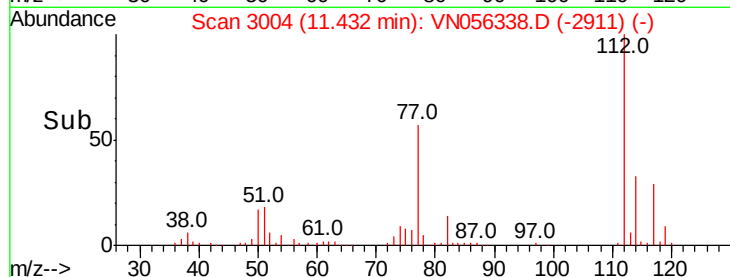
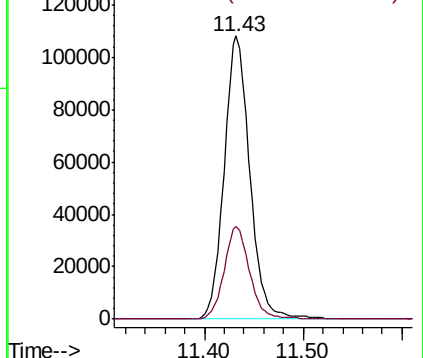
112 100

114 32.9 26.1 39.1



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 17.784 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN056338.D

Acq: 17 Jun 2019 14:23

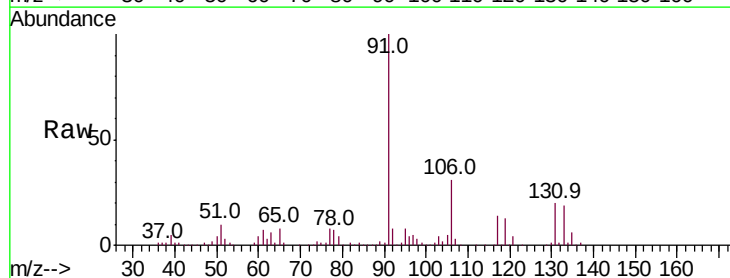
Tgt Ion:131 Resp: 66241

Ion Ratio Lower Upper

131 100

133 97.6 47.9 143.7

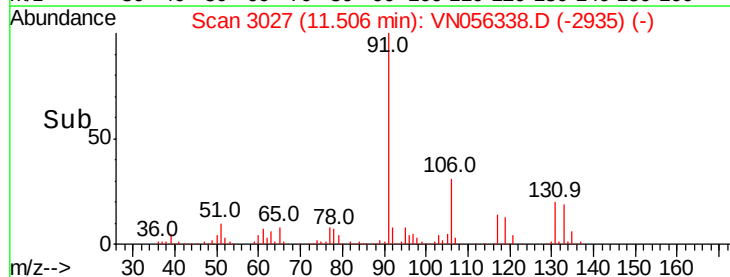
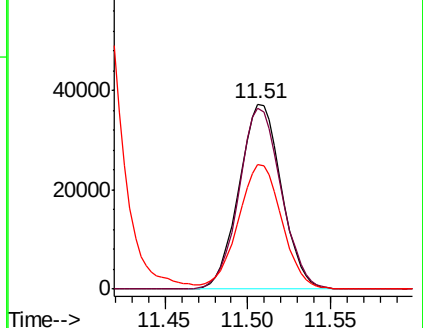
119 69.6 33.5 100.5

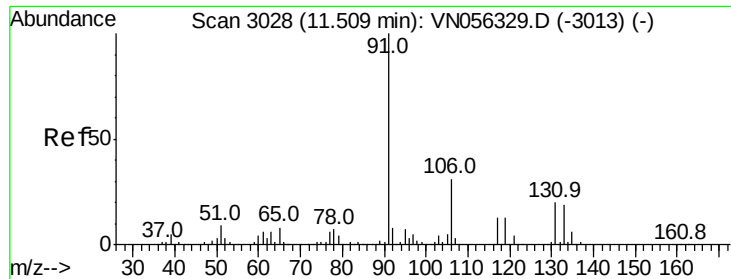


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

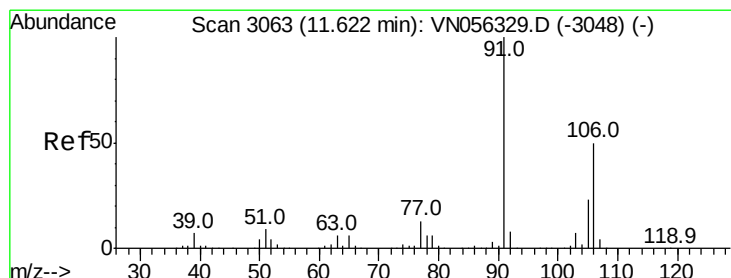
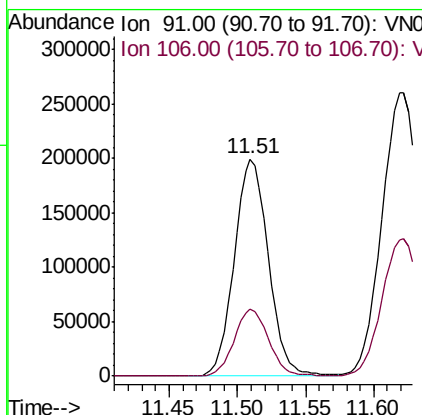
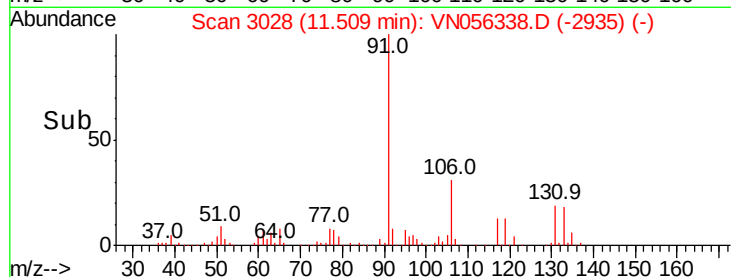
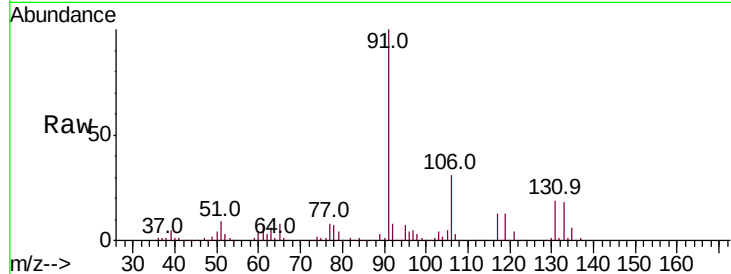




#67
Ethyl Benzene
Concen: 20.218 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056338.D
Acq: 17 Jun 2019 14:23

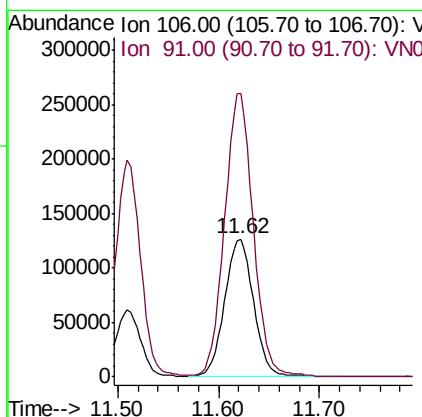
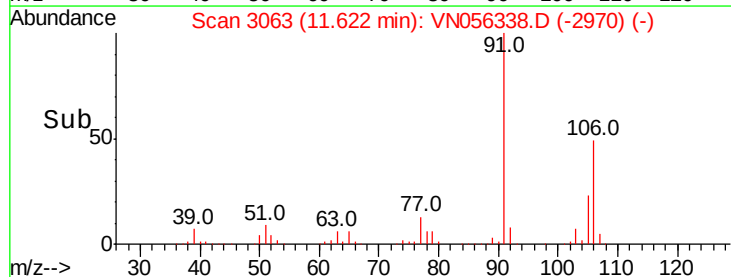
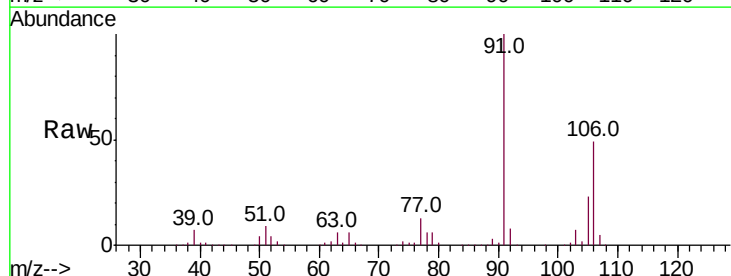
Instrument :
MSVOA_N
ClientSampleId :
VN0617WBSD01

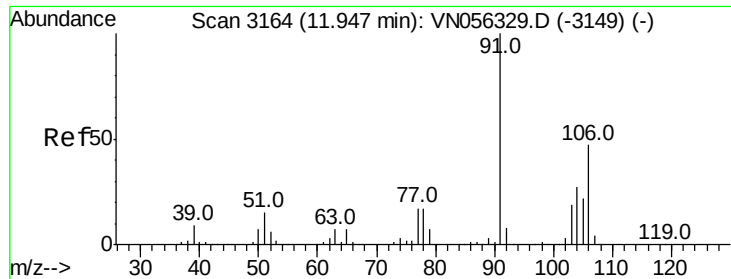
Tot Ion: 91 Resp: 347225
Ion Ratio Lower Upper
91 100
106 30.6 25.0 37.6



#68
m/p-Xylenes
Concen: 39.759 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN056338.D
Acq: 17 Jun 2019 14:23

Tgt Ion: 106 Resp: 254142
Ion Ratio Lower Upper
106 100
91 203.3 160.7 241.1

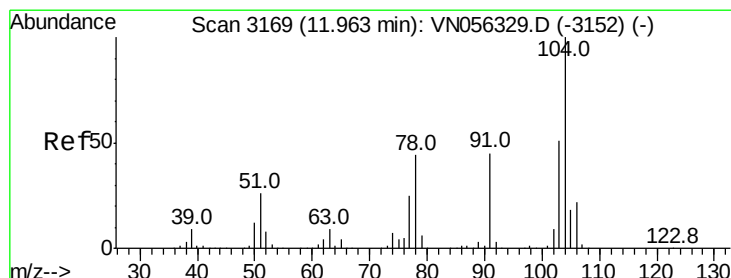
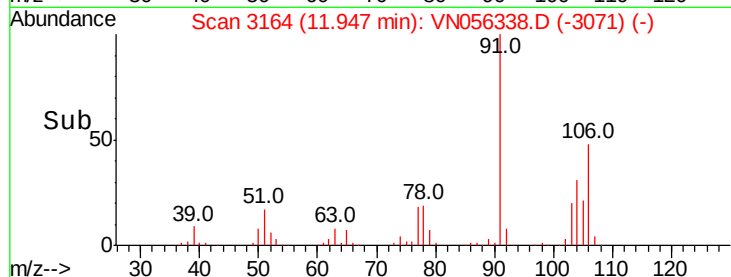
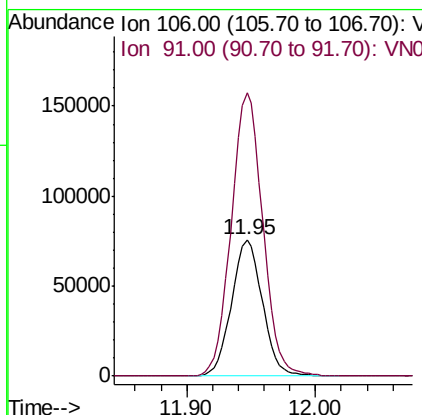
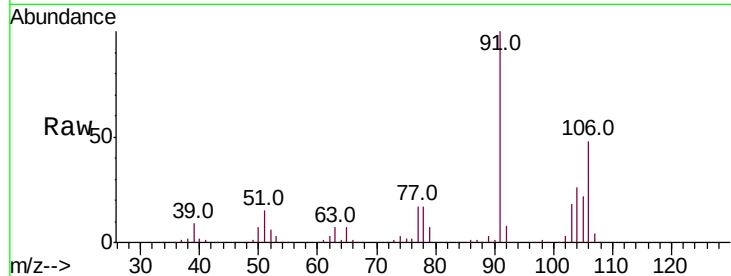




#69
o-Xylene
Concen: 20.020 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056338.D
Acq: 17 Jun 2019 14:23

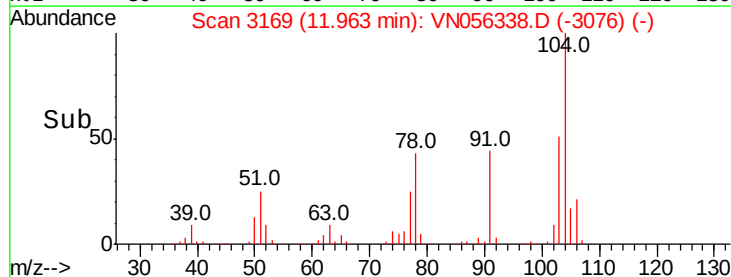
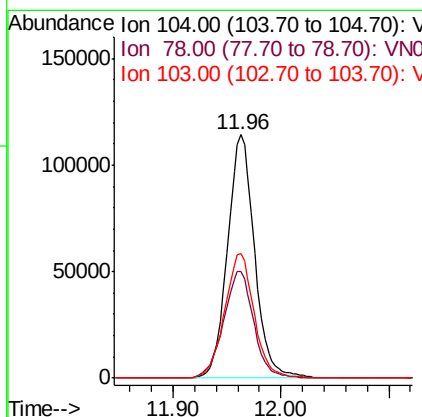
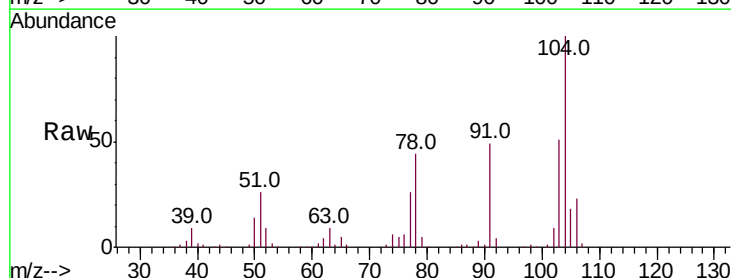
Instrument :
MSVOA_N
ClientSampleId :
VN0617WBSD01

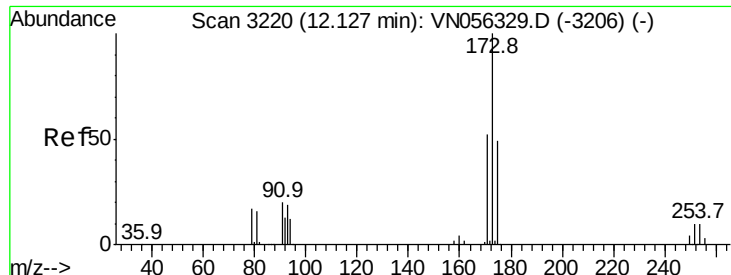
Tot Ion:106 Resp: 126145
Ion Ratio Lower Upper
106 100
91 211.4 105.6 316.7



#70
Styrene
Concen: 19.680 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056338.D
Acq: 17 Jun 2019 14:23

Tgt Ion:104 Resp: 200199
Ion Ratio Lower Upper
104 100
78 48.6 38.4 57.6
103 55.9 44.0 66.0





#71

Bromoform

Concen: 15.913 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN056338.D

Acq: 17 Jun 2019 14:23

Instrument :

MSVOA_N

ClientSampleId :

VN0617WBSD01

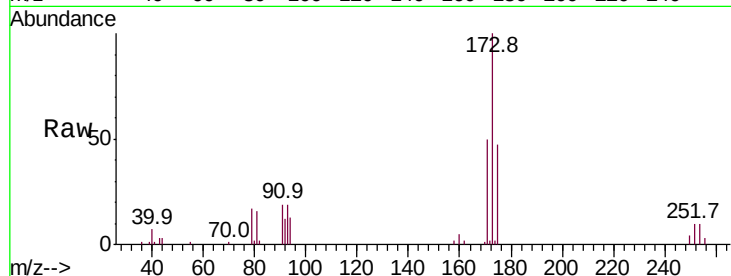
Tot Ion:173 Resp: 46062

Ion Ratio Lower Upper

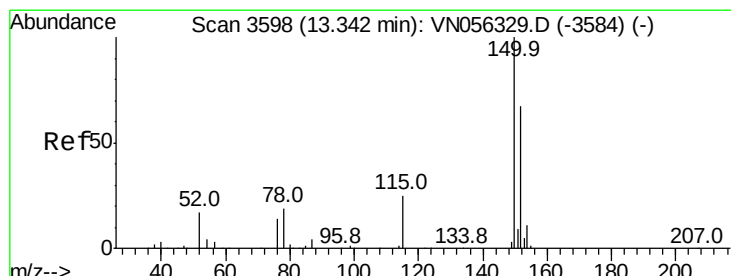
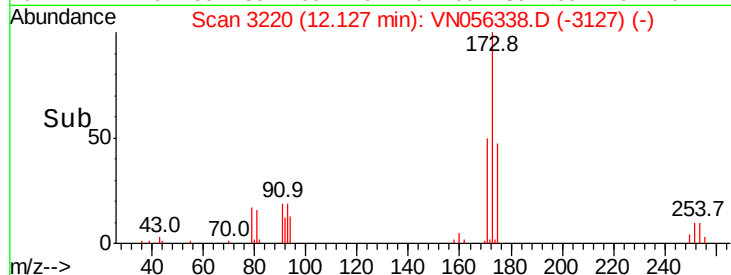
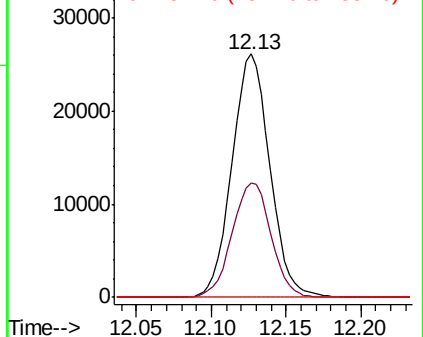
173 100

175 48.2 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: VN056338.D

Acq: 17 Jun 2019 14:23

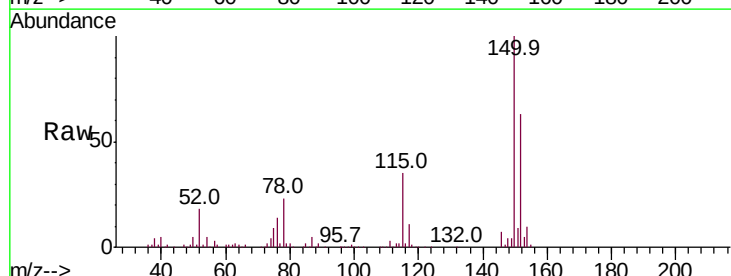
Tgt Ion:152 Resp: 181434

Ion Ratio Lower Upper

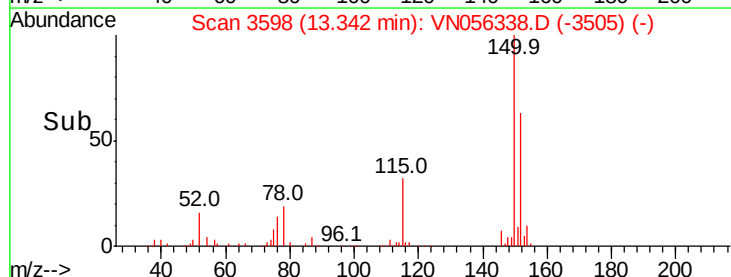
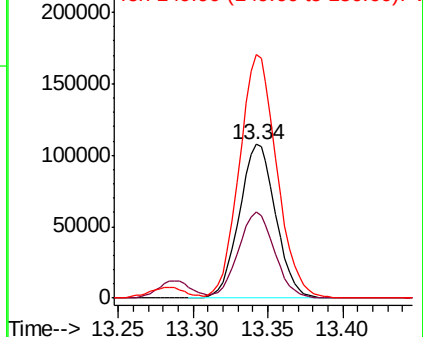
152 100

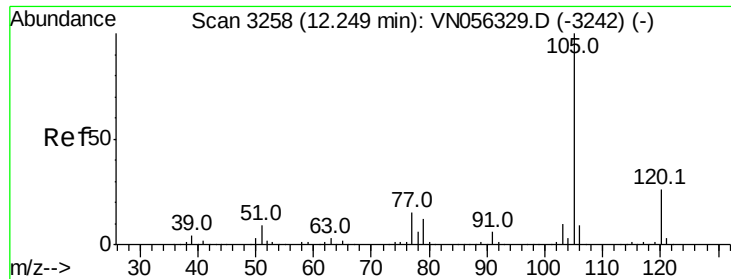
115 55.9 27.8 83.3

150 163.6 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: 22.534 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056338.D

Acq: 17 Jun 2019 14:23

Instrument :

MSVOA_N

ClientSampleId :

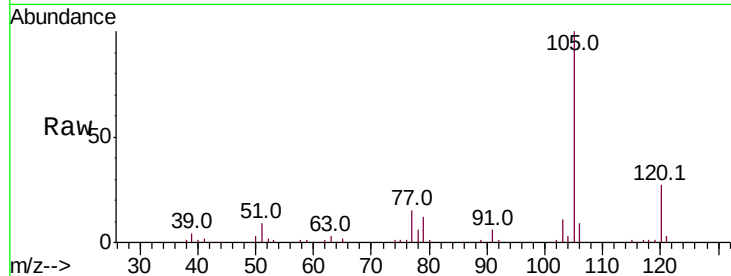
VN0617WBSD01

Tot Ion:105 Resp: 332039

Ion Ratio Lower Upper

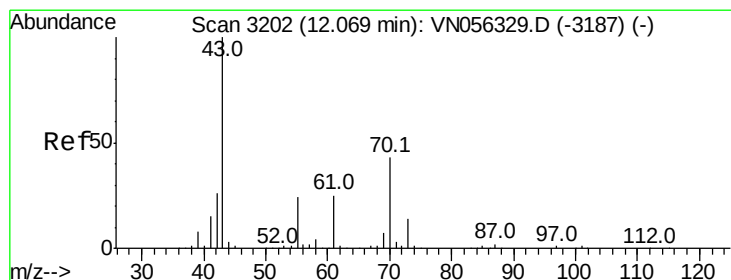
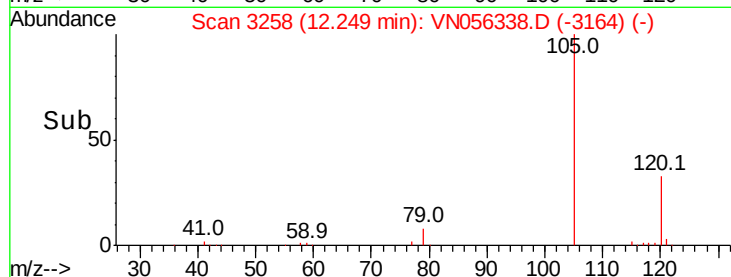
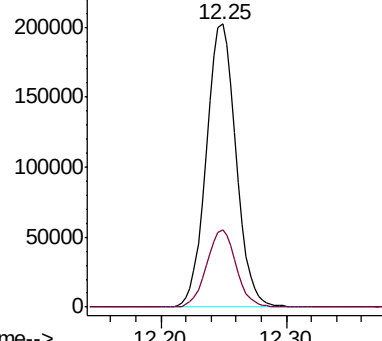
105 100

120 27.1 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-amyl acetate

Concen: 20.474 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056338.D

Acq: 17 Jun 2019 14:23

Tgt Ion: 43 Resp: 116736

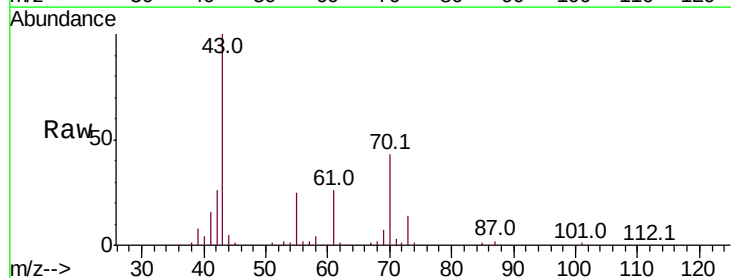
Ion Ratio Lower Upper

43 100

70 43.4 34.2 51.2

55 26.1 19.9 29.9

61 24.3 19.7 29.5

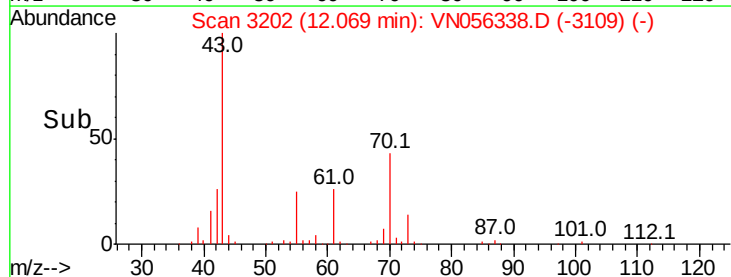
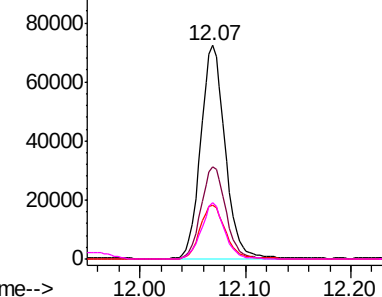


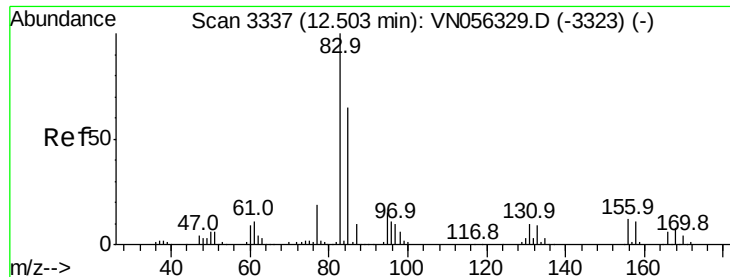
Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 22.679 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056338.D

Acq: 17 Jun 2019 14:23

Instrument :

MSVOA_N

ClientSampleId :

VN0617WBSD01

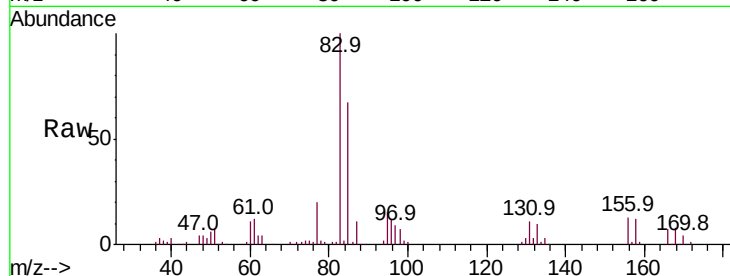
Tot Ion: 83 Resp: 104535

Ion Ratio Lower Upper

83 100

131 10.6 5.3 15.8

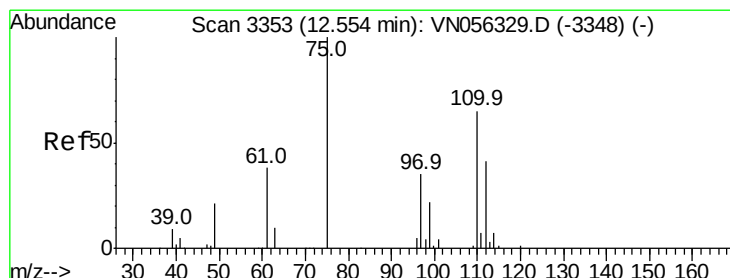
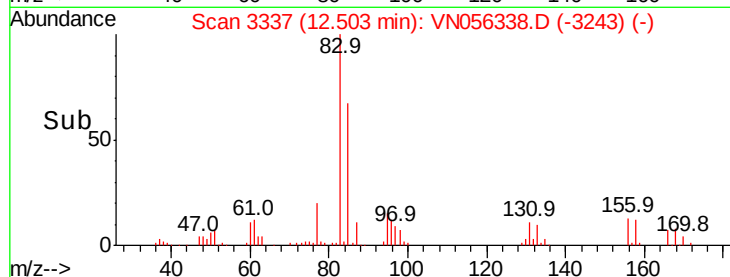
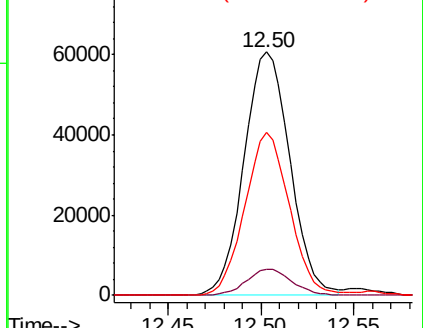
85 65.0 32.2 96.6



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: 21.569 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN056338.D

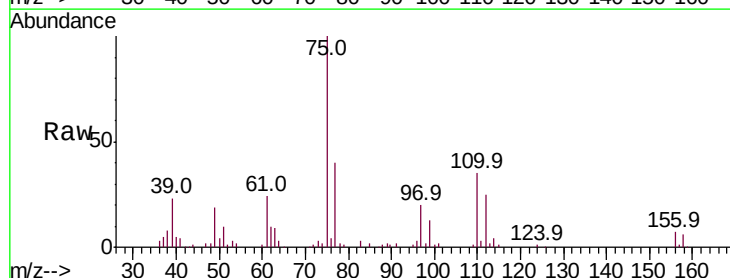
Acq: 17 Jun 2019 14:23

Tgt Ion: 75 Resp: 83611

Ion Ratio Lower Upper

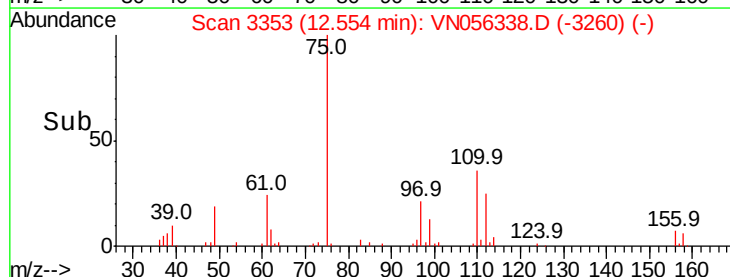
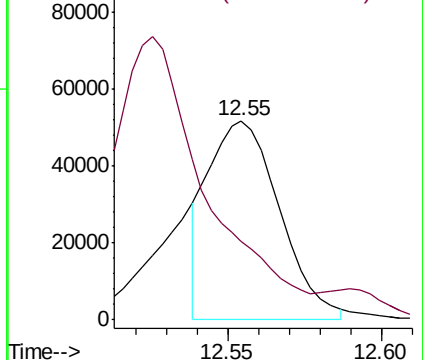
75 100

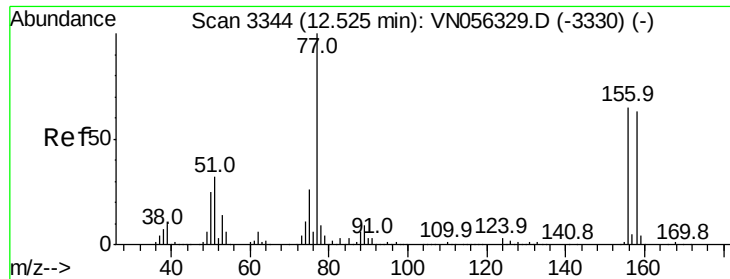
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 22.203 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056338.D

Acq: 17 Jun 2019 14:23

Instrument :

MSVOA_N

ClientSampleId :

VN0617WBSD01

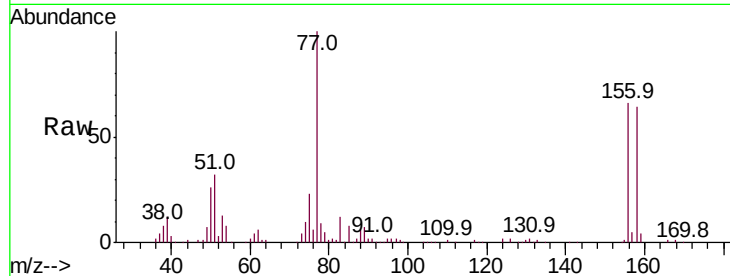
Tot Ion:156 Resp: 86187

Ion Ratio Lower Upper

156 100

77 183.1 92.9 278.7

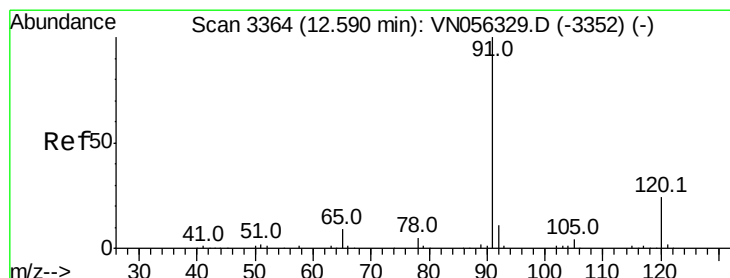
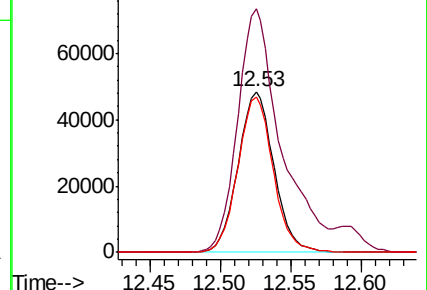
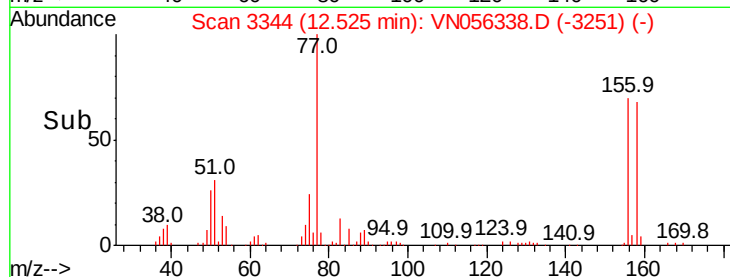
158 95.5 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.075 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056338.D

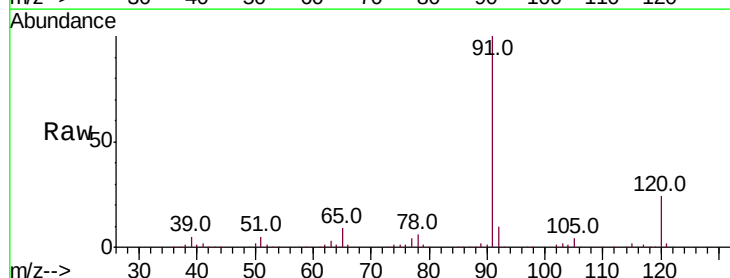
Acq: 17 Jun 2019 14:23

Tgt Ion: 91 Resp: 343220

Ion Ratio Lower Upper

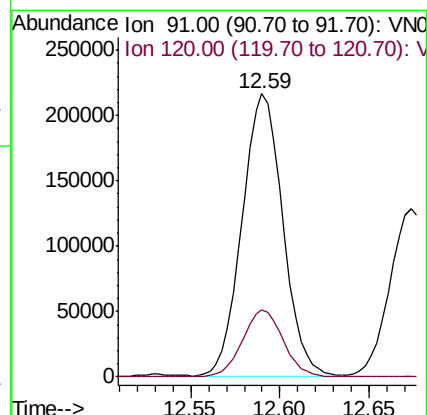
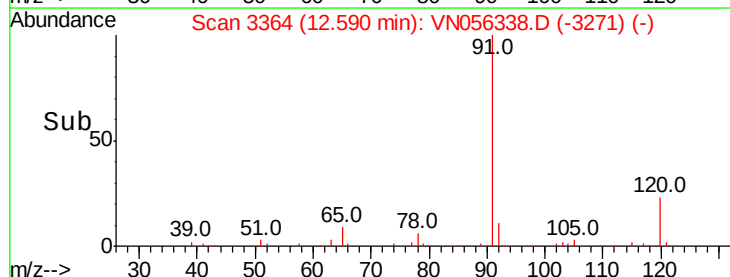
91 100

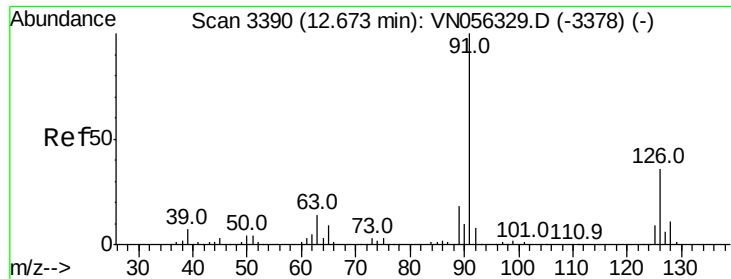
120 23.8 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.202 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056338.D

Acq: 17 Jun 2019 14:23

Instrument :

MSVOA_N

ClientSampleId :

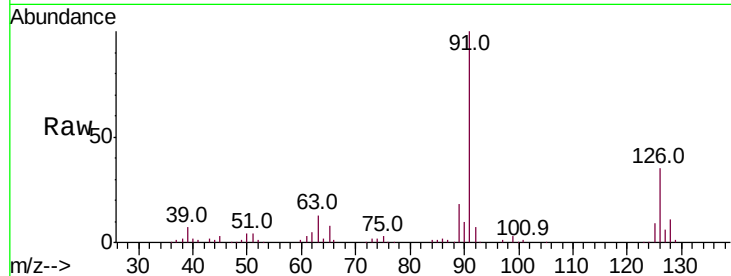
VN0617WBSD01

Tot Ion: 91 Resp: 217074

Ion Ratio Lower Upper

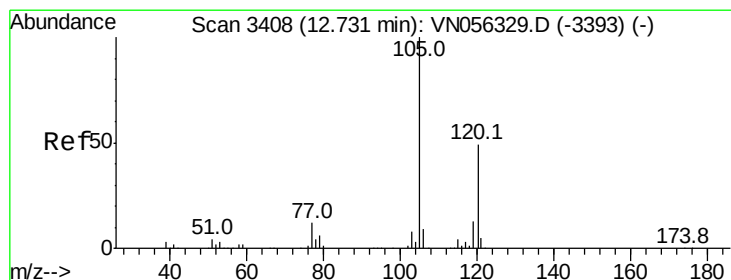
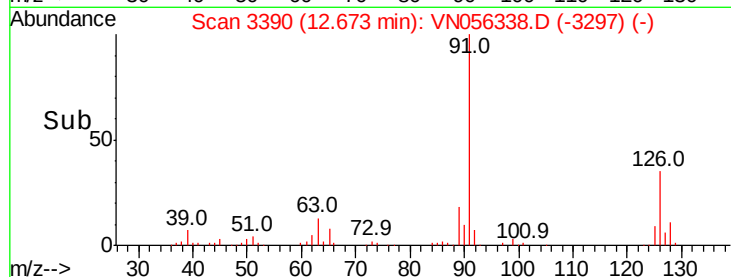
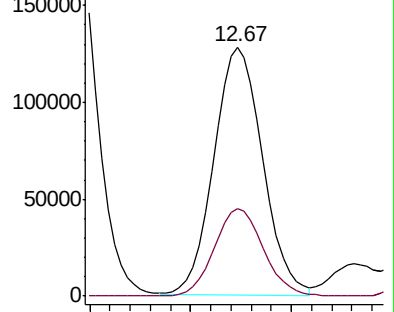
91 100

126 35.7 18.0 54.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 21.563 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056338.D

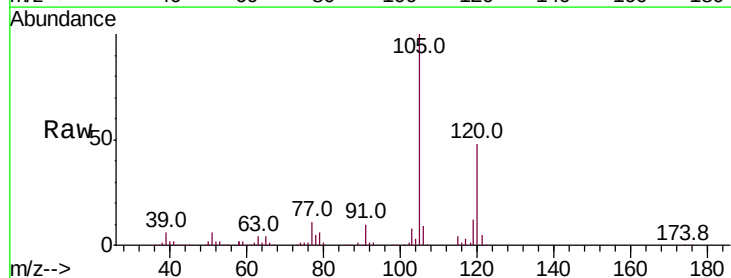
Acq: 17 Jun 2019 14:23

Tgt Ion:105 Resp: 272936

Ion Ratio Lower Upper

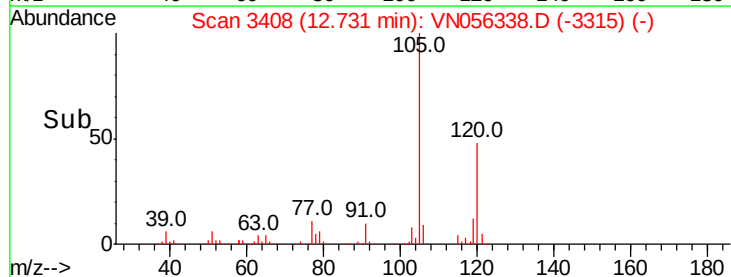
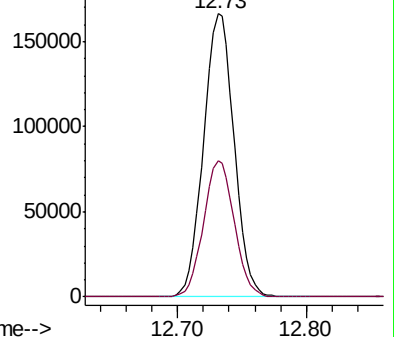
105 100

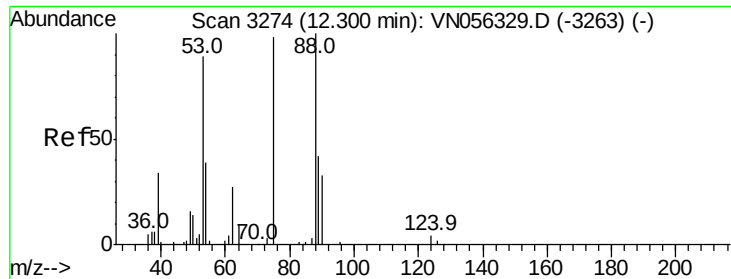
120 48.4 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 15.593 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN056338.D

Acq: 17 Jun 2019 14:23

Instrument :

MSVOA_N

ClientSampleId :

VN0617WBSD01

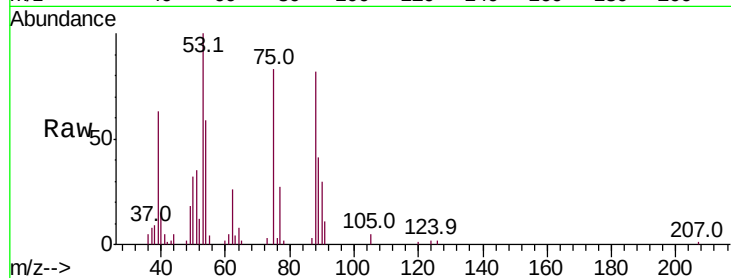
Tot Ion: 75 Resp: 19455

Ion Ratio Lower Upper

75 100

53 120.1 73.5 110.3#

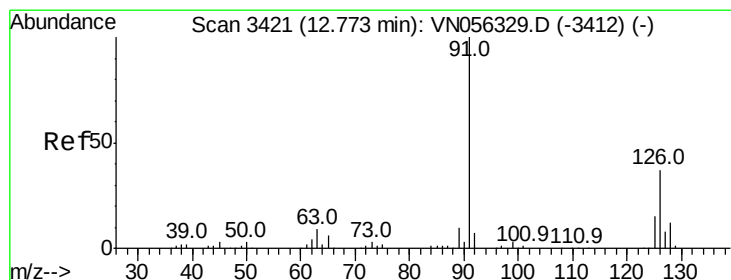
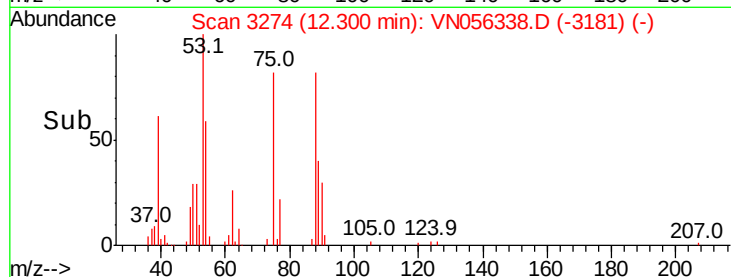
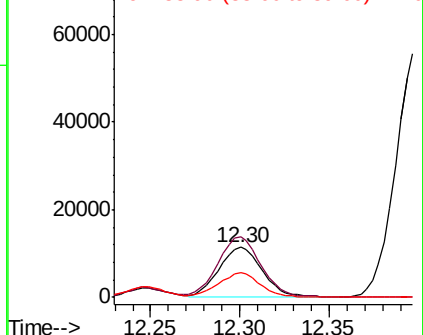
89 47.3 35.4 53.2



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: 20.910 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN056338.D

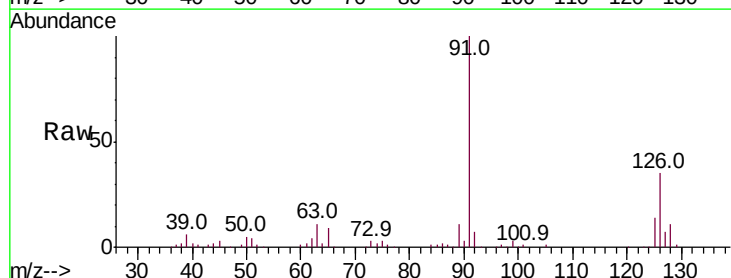
Acq: 17 Jun 2019 14:23

Tgt Ion: 91 Resp: 199896

Ion Ratio Lower Upper

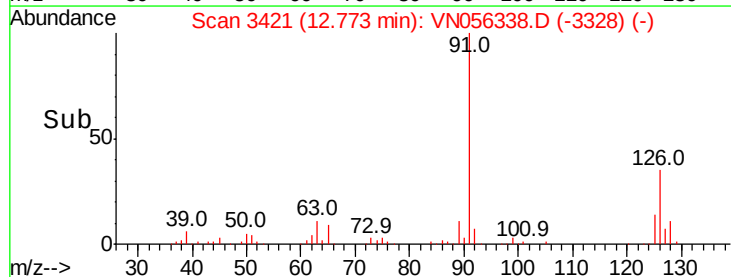
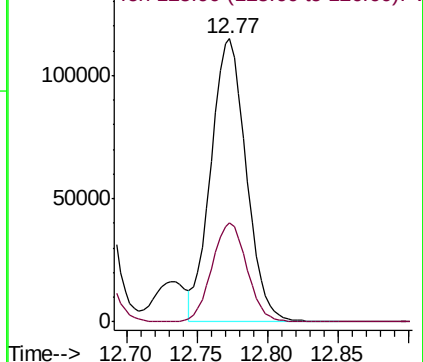
91 100

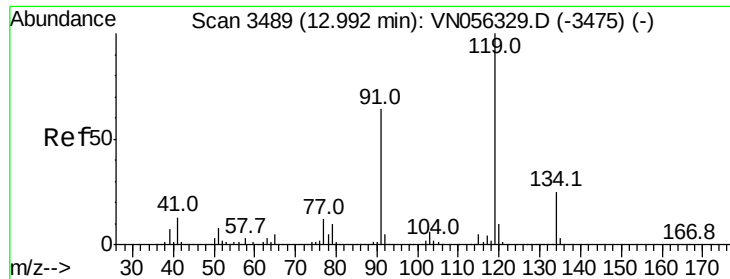
126 34.6 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VNO

Ion 125.90 (125.60 to 126.60): V

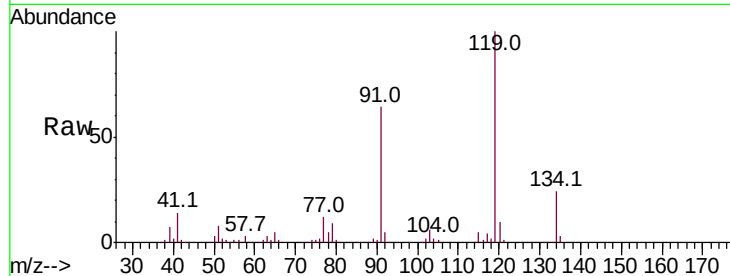




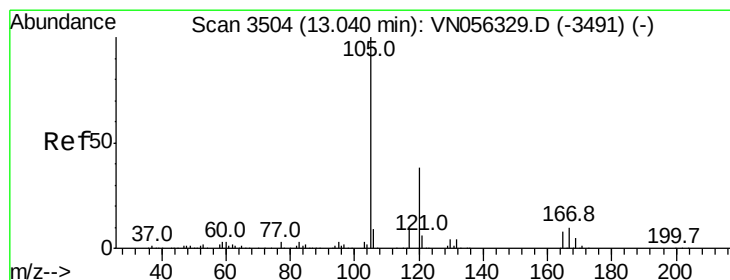
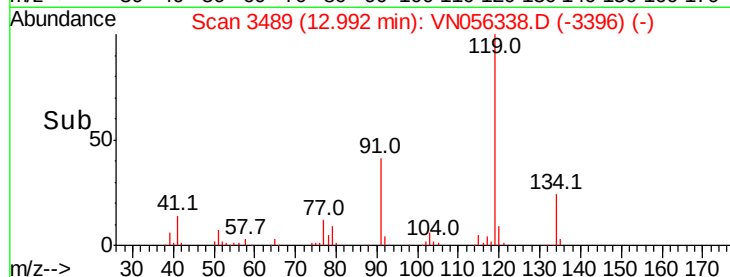
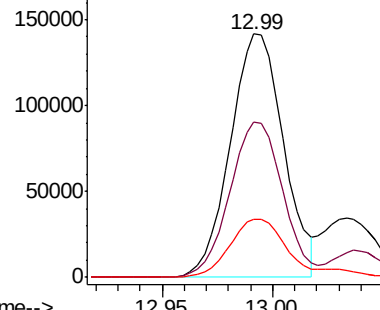
#83
 tert-Butylbenzene
 Concen: 22.357 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN056338.D
 Acq: 17 Jun 2019 14:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0617WBSD01

Tot Ion:119 Resp: 237035
 Ion Ratio Lower Upper
 119 100
 91 63.3 31.5 94.5
 134 27.1 13.6 40.7

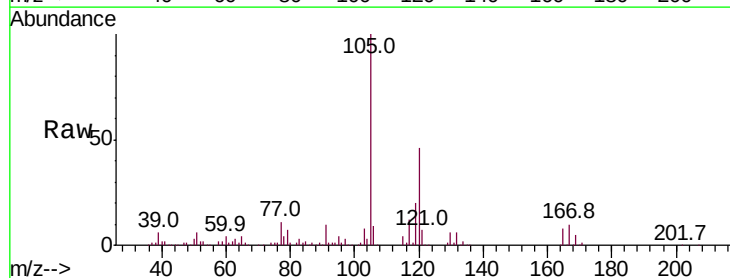


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

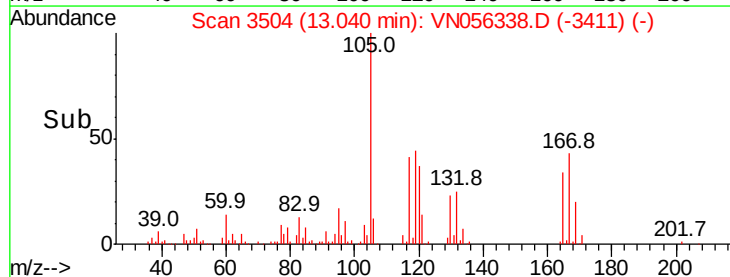
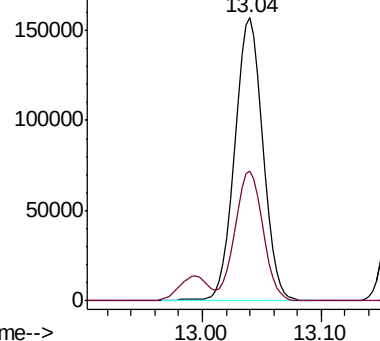


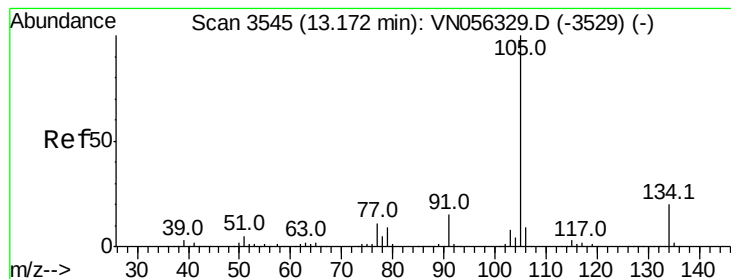
#84
 1,2,4-Trimethylbenzene
 Concen: 21.861 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN056338.D
 Acq: 17 Jun 2019 14:23

Tgt Ion:105 Resp: 257678
 Ion Ratio Lower Upper
 105 100
 120 45.5 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: 21.331 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN056338.D

Acq: 17 Jun 2019 14:23

Instrument :

MSVOA_N

ClientSampleId :

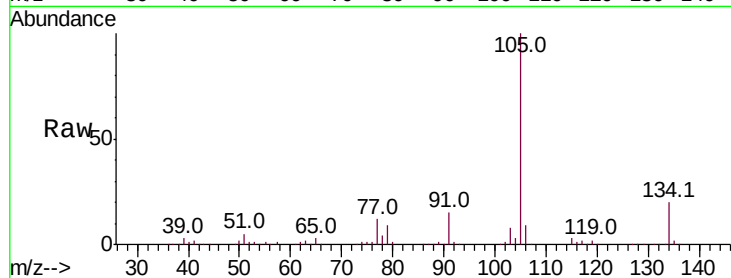
VN0617WBSD01

Tot Ion:105 Resp: 304696

Ion Ratio Lower Upper

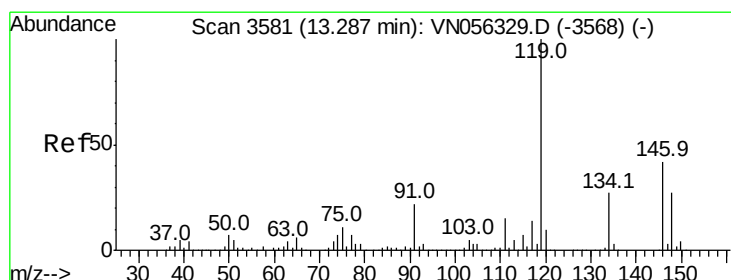
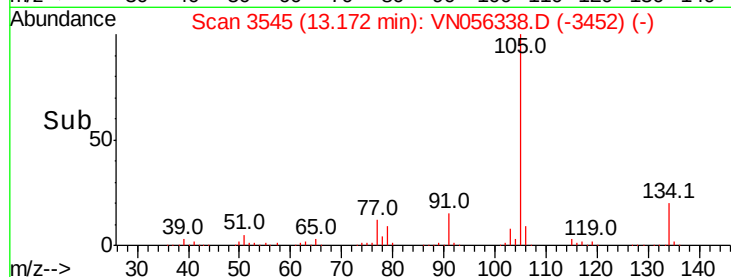
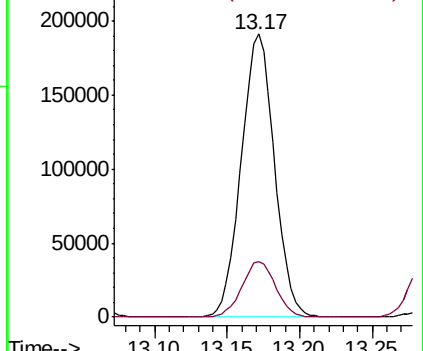
105 100

134 20.0 10.2 30.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.110 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056338.D

Acq: 17 Jun 2019 14:23

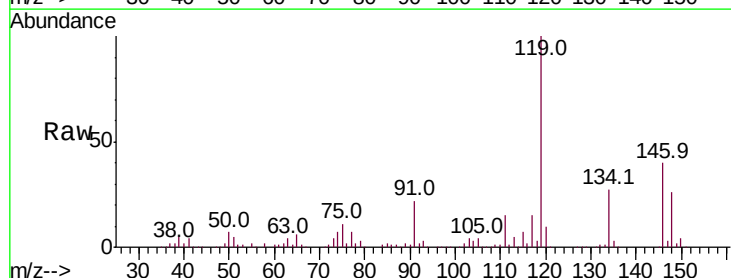
Tgt Ion:119 Resp: 258109

Ion Ratio Lower Upper

119 100

134 26.9 13.5 40.4

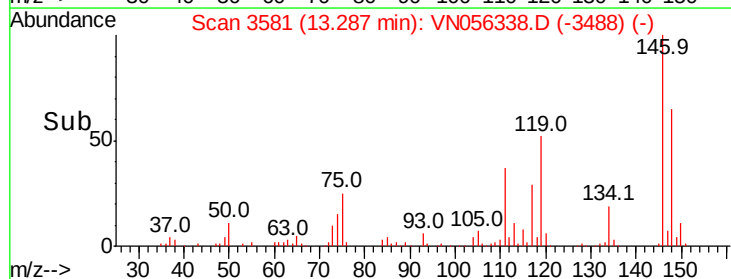
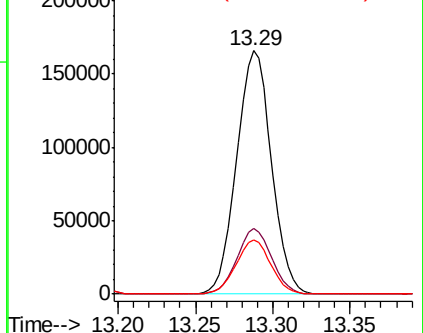
91 22.3 11.0 33.0

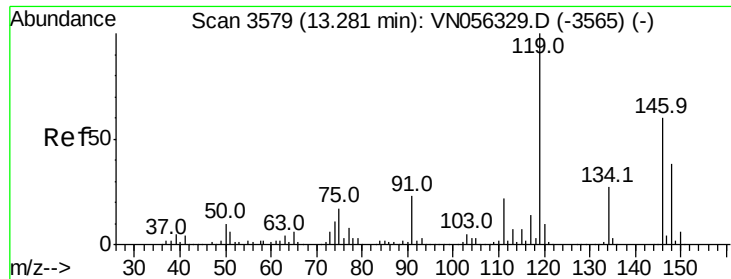


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 20.001 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN056338.D

Acq: 17 Jun 2019 14:23

Instrument :

MSVOA_N

ClientSampleId :

VN0617WBSD01

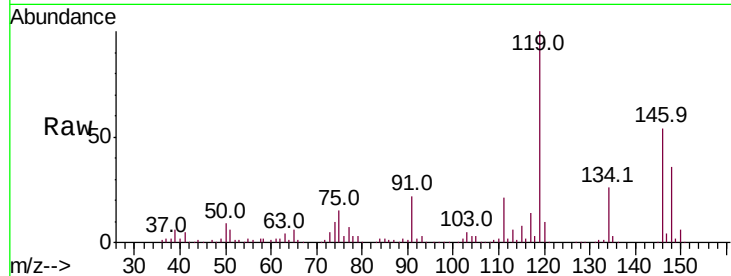
Tot Ion:146 Resp: 123511

Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.9	56.7
148	65.5	31.9	95.5

146 100

111 38.2 18.9 56.7

148 65.5 31.9 95.5

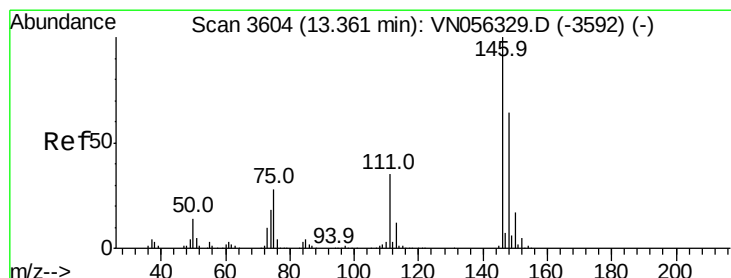
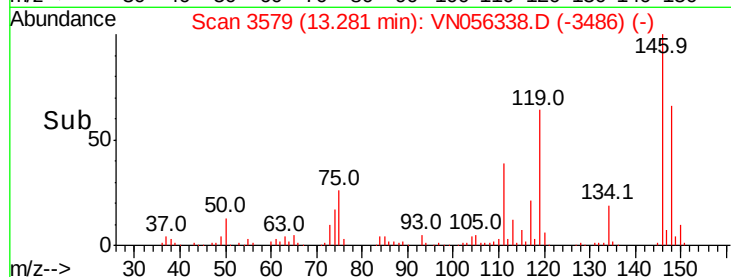
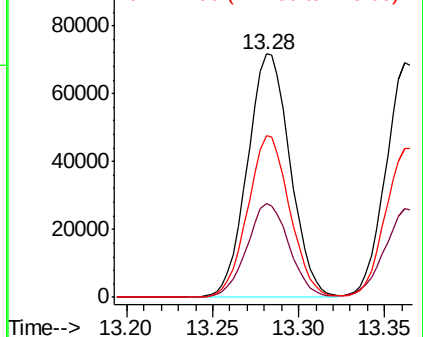


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 19.799 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. 0.00 min

Lab File: VN056338.D

Acq: 17 Jun 2019 14:23

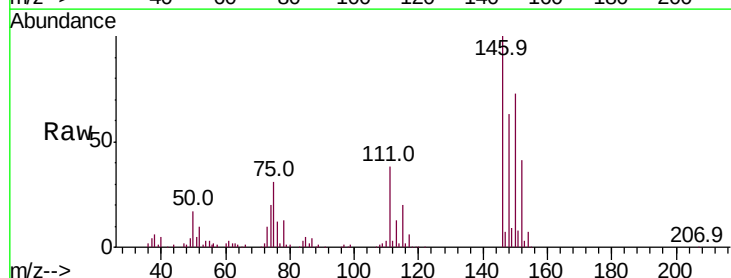
Tgt Ion:146 Resp: 117488

Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.1	54.1
148	64.3	32.1	96.5

146 100

111 37.9 18.1 54.1

148 64.3 32.1 96.5

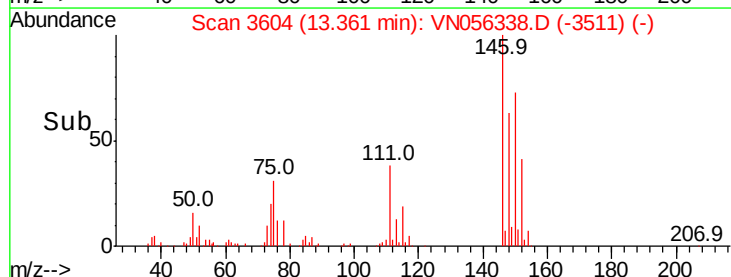
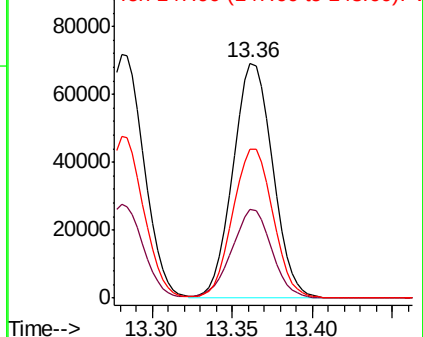


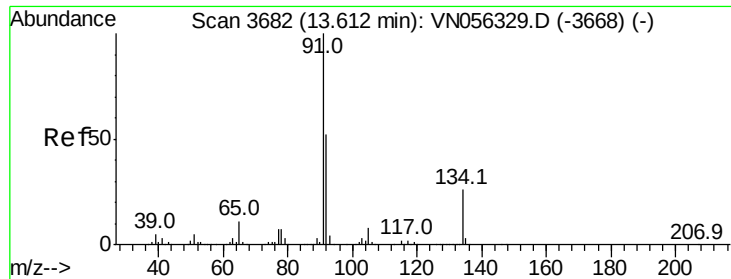
Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

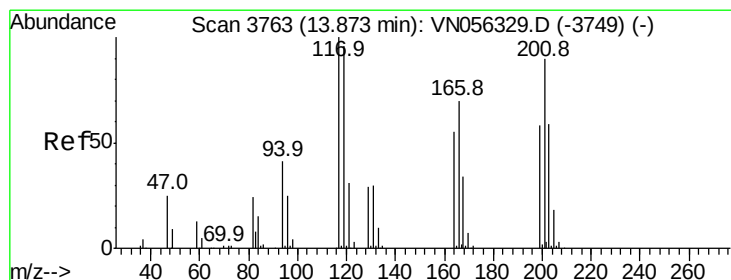
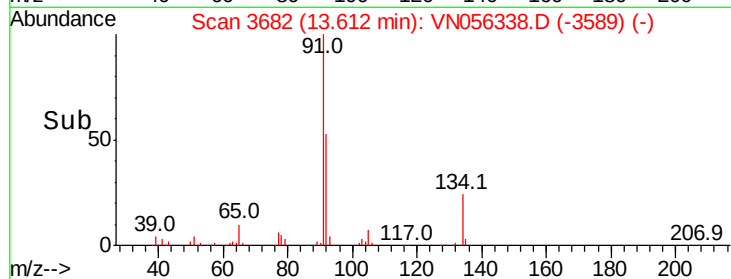
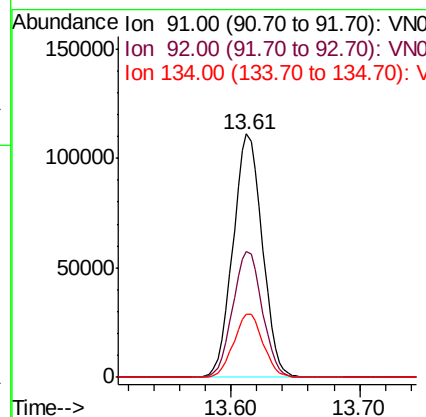
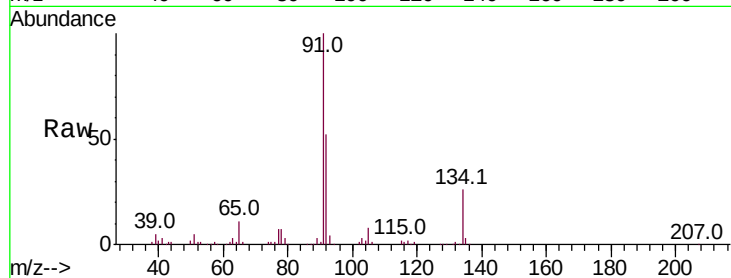




#89
n-Butylbenzene
Concen: 19.143 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN056338.D
Acq: 17 Jun 2019 14:23

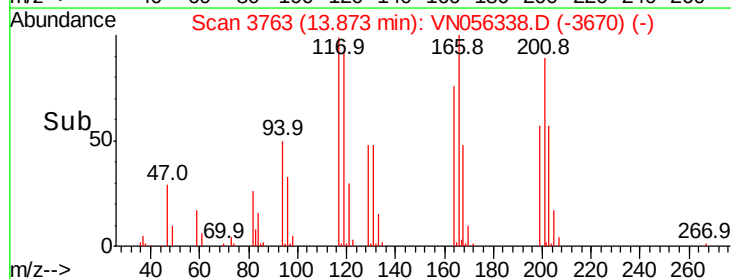
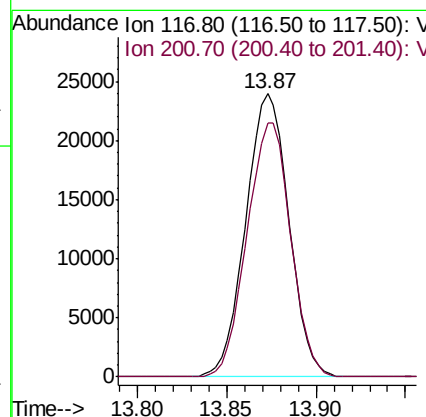
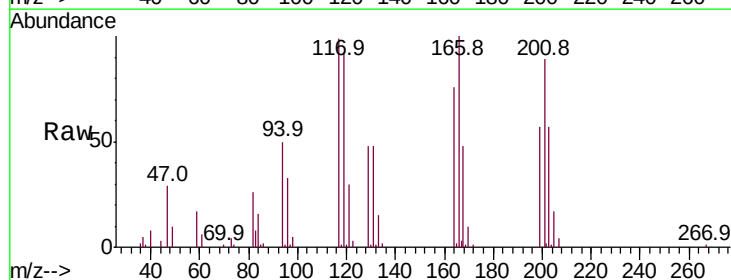
Instrument :
MSVOA_N
ClientSampleId :
VN0617WBSD01

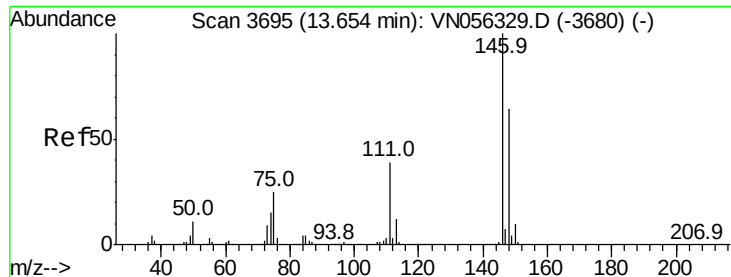
Tot Ion: 91 Resp: 174994
Ion Ratio Lower Upper
91 100
92 52.1 26.0 78.0
134 26.1 13.2 39.5



#90
Hexachloroethane
Concen: 17.903 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN056338.D
Acq: 17 Jun 2019 14:23

Tgt Ion: 117 Resp: 40464
Ion Ratio Lower Upper
117 100
201 90.6 45.8 137.3

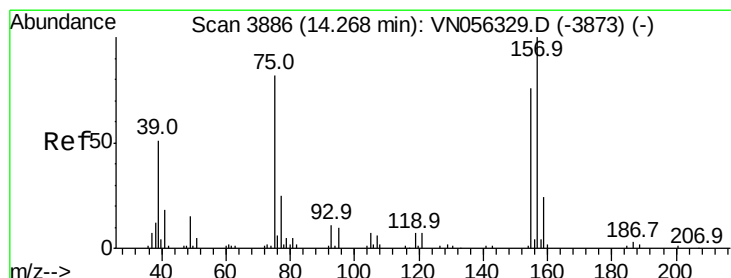
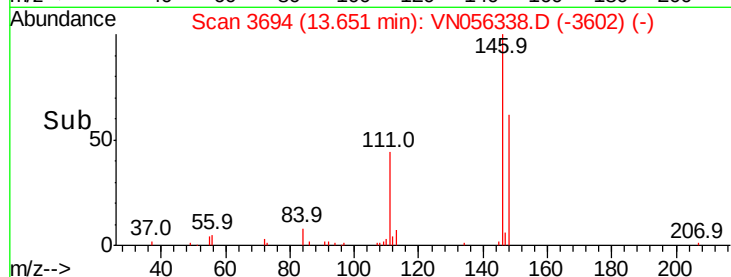
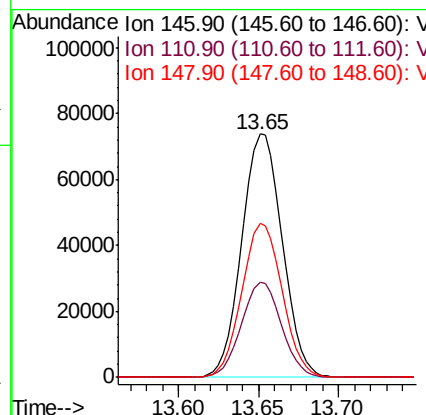
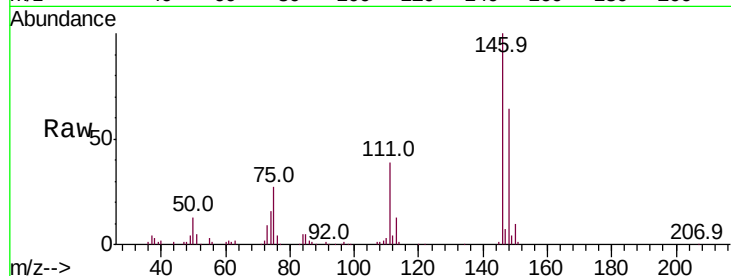




#91
 1,2-Dichlorobenzene
 Concen: 21.102 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN056338.D
 Acq: 17 Jun 2019 14:23

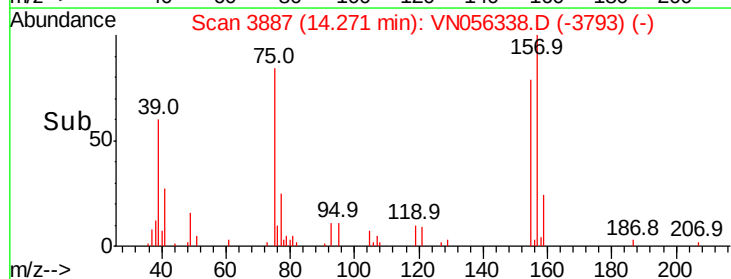
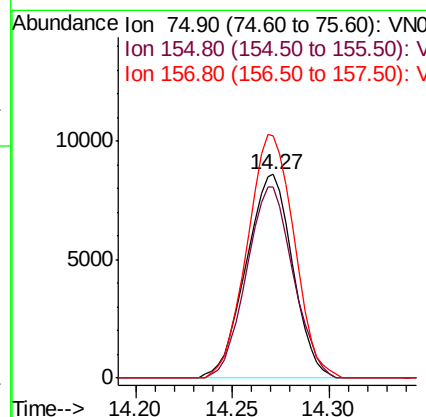
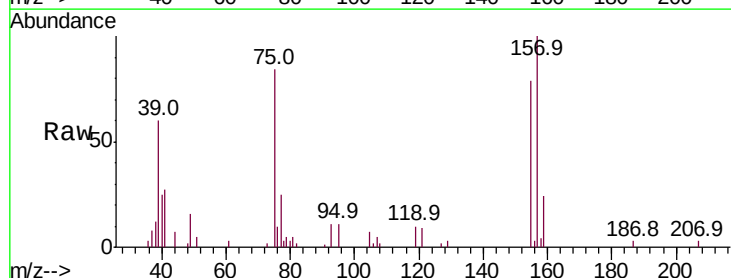
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0617WBSD01

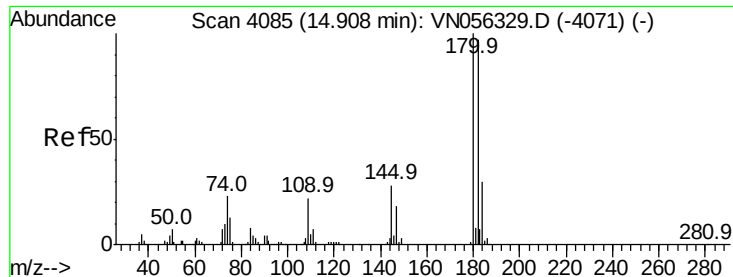
Tot Ion:146 Resp: 127605
 Ion Ratio Lower Upper
 146 100
 111 38.4 19.4 58.2
 148 63.0 32.4 97.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.395 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN056338.D
 Acq: 17 Jun 2019 14:23

Tgt Ion: 75 Resp: 14421
 Ion Ratio Lower Upper
 75 100
 155 93.8 47.8 143.4
 157 120.2 62.8 188.5

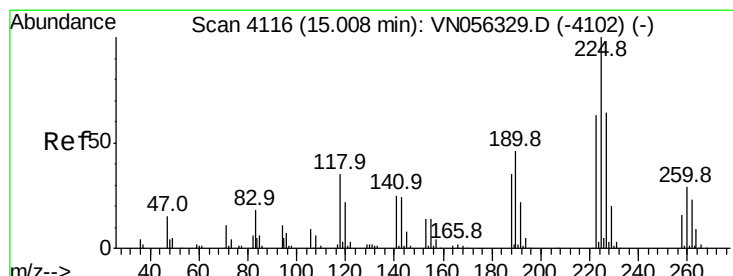
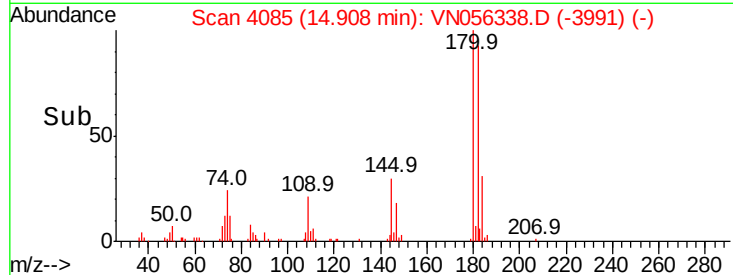
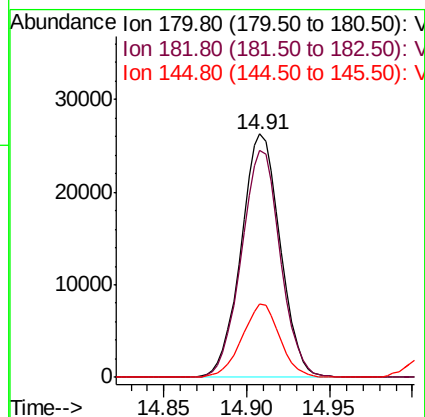
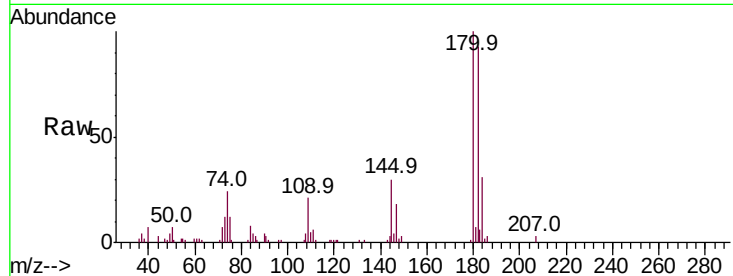




#93
 1,2,4-Trichlorobenzene
 Concen: 17.551 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056338.D
 Acq: 17 Jun 2019 14:23

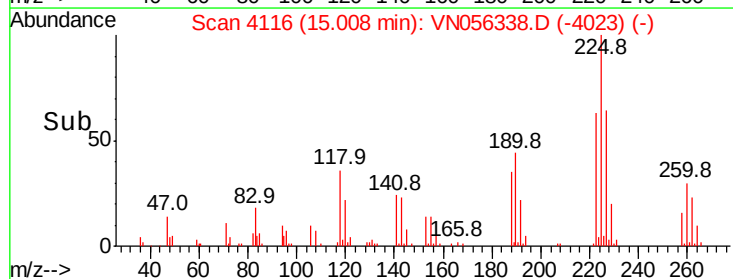
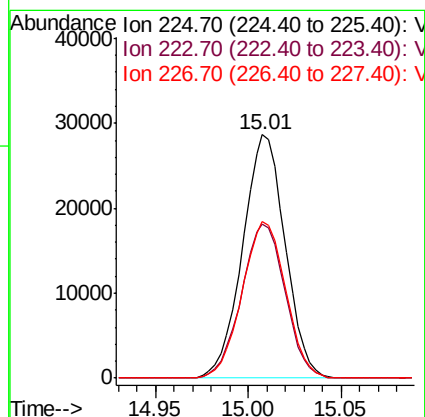
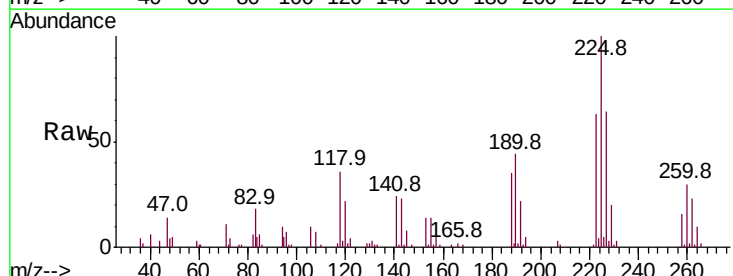
Instrument :
 MSVOA_N
 ClientSampled :
 VN0617WBSD01

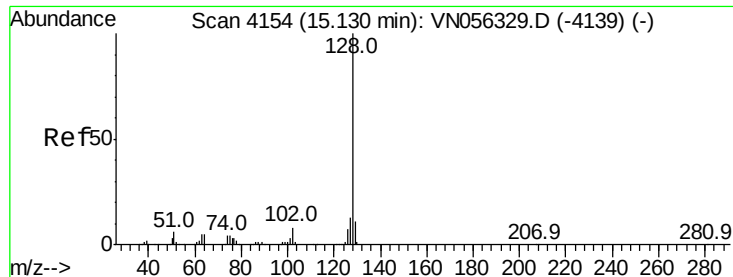
Tot Ion	Ratio	Lower	Upper
180	100		
182	92.6	47.4	142.3
145	29.1	14.0	41.9



#94
 Hexachlorobutadiene
 Concen: 20.559 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056338.D
 Acq: 17 Jun 2019 14:23

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.0	31.2	93.6
227	65.8	31.7	95.1





#95

Naphthalene

Concen: 17.899 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN056338.D

Acq: 17 Jun 2019 14:23

Instrument :

MSVOA_N

ClientSampleId :

VN0617WBSD01

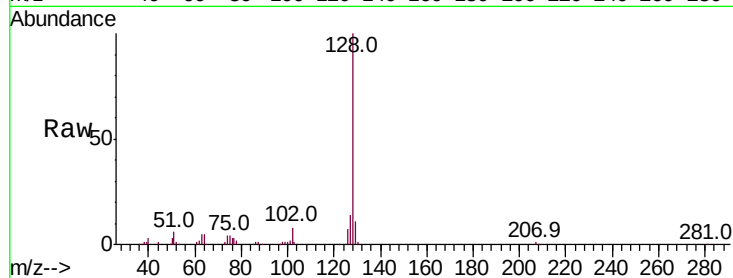
Tot Ion:128 Resp: 121182

Ion Ratio Lower Upper

128 100

127 13.2 10.6 15.8

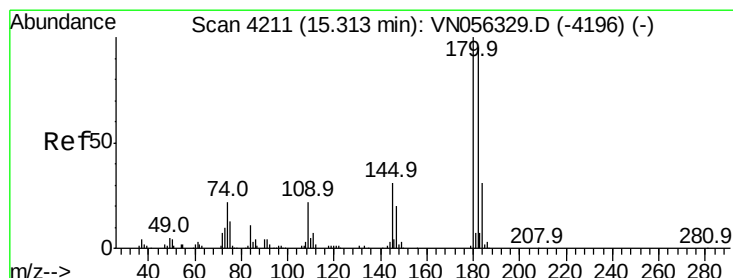
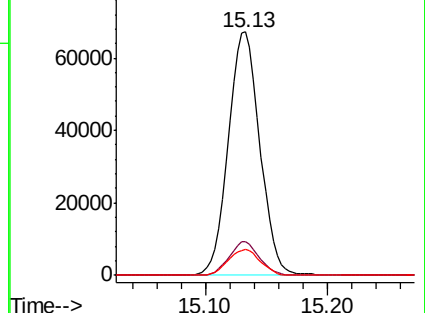
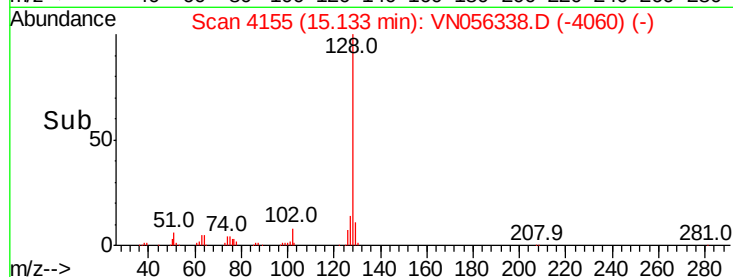
129 10.8 8.6 12.8



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: 18.332 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056338.D

Acq: 17 Jun 2019 14:23

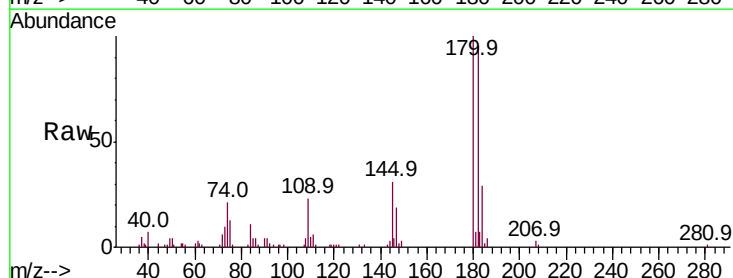
Tgt Ion:180 Resp: 51763

Ion Ratio Lower Upper

180 100

182 94.7 47.1 141.4

145 30.1 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

