

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN053119\
 Data File : VN055917.D
 Acq On : 31 May 2019 14:18
 Operator : JC/SP
 Sample : VN0531WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0531WBSD01

Quant Time: May 31 18:06:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 24 06:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	287669	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	437476	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	385585	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	156698	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	167522	56.39	ug/l	0.00
Spiked Amount			Recovery	=	112.78%	
35) Dibromofluoromethane	7.59	113	144881	52.38	ug/l	0.00
Spiked Amount			Recovery	=	104.76%	
50) Toluene-d8	10.09	98	551722	52.00	ug/l	0.00
Spiked Amount			Recovery	=	104.00%	
62) 4-Bromofluorobenzene	12.40	95	182447	50.15	ug/l	0.00
Spiked Amount			Recovery	=	100.30%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	36843	19.030	ug/l	97
3) Chloromethane	2.06	50	53844	19.850	ug/l	97
4) Vinyl Chloride	2.18	62	57829	19.988	ug/l	97
5) Bromomethane	2.52	94	37585	20.765	ug/l	98
6) Chloroethane	2.67	64	36556	20.986	ug/l	100
7) Trichlorofluoromethane	3.00	101	79508	20.961	ug/l	97
8) Diethyl Ether	3.40	74	36688	21.580	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	50550	21.349	ug/l	99
10) Methyl Iodide	3.94	142	70668	20.414	ug/l	100
11) Tert butyl alcohol	4.82	59	62473	110.061	ug/l	100
12) 1,1-Dichloroethene	3.72	96	49546	20.252	ug/l	99
13) Acrolein	3.60	56	27675	68.091	ug/l	95
14) Allyl chloride	4.31	41	83258	19.851	ug/l	98
15) Acrylonitrile	4.99	53	151199	116.002	ug/l	99
16) Acetone	3.82	43	134916	103.312	ug/l	100
17) Carbon Disulfide	4.03	76	107255	15.430	ug/l	99
18) Methyl Acetate	4.33	43	71103	26.180	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	178475	21.873	ug/l	100
20) Methylene Chloride	4.54	84	61067	21.592	ug/l	95
21) trans-1,2-Dichloroethene	5.03	96	52821	20.096	ug/l	95
22) Diisopropyl ether	5.96	45	177979	21.818	ug/l	100
23) Vinyl Acetate	5.89	43	739214	105.692	ug/l	100
24) 1,1-Dichloroethane	5.84	63	100836	21.231	ug/l	99
25) 2-Butanone	6.84	43	205064	112.438	ug/l	100
26) 2,2-Dichloropropane	6.82	77	73610	17.908	ug/l	99
27) cis-1,2-Dichloroethene	6.82	96	66358	21.640	ug/l	99
28) Bromochloromethane	7.19	49	52226	23.096	ug/l	98
29) Tetrahydrofuran	7.22	42	132957	115.118	ug/l	98
30) Chloroform	7.37	83	103325	21.814	ug/l	100
31) Cyclohexane	7.65	56	92403	20.722	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	86591	20.486	ug/l	98
36) 1,1-Dichloropropene	7.79	75	73439	19.263	ug/l	99
37) Ethyl Acetate	6.93	43	82452	22.377	ug/l	98
38) Carbon Tetrachloride	7.77	117	71315	17.958	ug/l	97

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	89717	19.004	ug/l	99
40) Benzene	8.04	78	237777	20.694	ug/l	100
41) Methacrylonitrile	7.17	41	34323	18.438	ug/l	88
42) 1,2-Dichloroethane	8.12	62	80066	21.325	ug/l	98
43) Isopropyl Acetate	8.17	43	127084	20.527	ug/l #	92
44) Trichloroethene	8.83	130	65434	20.428	ug/l	98
45) 1,2-Dichloropropane	9.12	63	62306	20.813	ug/l	100
46) Dibromomethane	9.21	93	42040	21.413	ug/l	97
47) Bromodichloromethane	9.40	83	78321	19.455	ug/l	99
48) Methyl methacrylate	9.20	41	63165	22.138	ug/l	98
49) 1,4-Dioxane	9.20	88	27532	464.338	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	400232	109.461	ug/l	99
52) Toluene	10.16	92	149880	20.741	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	78577	18.286	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	91216	19.162	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	62883	21.722	ug/l	97
56) Ethyl methacrylate	10.43	69	94016	21.014	ug/l	97
57) 1,3-Dichloropropane	10.71	76	100565	21.371	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	163867	95.840	ug/l	100
59) 2-Hexanone	10.75	43	277329	106.917	ug/l	100
60) Dibromochloromethane	10.90	129	61491	18.233	ug/l	100
61) 1,2-Dibromoethane	11.00	107	63300	21.080	ug/l	100
64) Tetrachloroethene	10.63	164	65831	20.243	ug/l	98
65) Chlorobenzene	11.43	112	161455	20.917	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	59542	19.341	ug/l	100
67) Ethyl Benzene	11.51	91	282693	20.422	ug/l	99
68) m/p-Xylenes	11.62	106	212795	40.663	ug/l	99
69) o-Xylene	11.95	106	107475	20.700	ug/l	98
70) Styrene	11.96	104	170871	20.323	ug/l	99
71) Bromoform	12.13	173	42415	16.152	ug/l #	99
73) Isopropylbenzene	12.25	105	282242	23.931	ug/l	100
74) N-amyl acetate	12.07	43	101114	22.580	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	87632	24.881	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	102254	37.084	ug/l #	100
77) Bromobenzene	12.53	156	72242	21.605	ug/l	100
78) n-propylbenzene	12.59	91	292636	21.487	ug/l	100
79) 2-Chlorotoluene	12.67	91	183675	23.697	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	231857	23.347	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	20839	17.893	ug/l	90
82) 4-Chlorotoluene	12.77	91	168504	21.048	ug/l	99
83) tert-Butylbenzene	12.99	119	206528	23.885	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	226132	22.871	ug/l	99
85) sec-Butylbenzene	13.17	105	260273	23.418	ug/l	100
86) p-Isopropyltoluene	13.29	119	232026	21.322	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	112977	21.338	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	104440	20.747	ug/l	98
89) n-Butylbenzene	13.61	91	163238	19.578	ug/l	99
90) Hexachloroethane	13.87	117	36840	17.786	ug/l	93
91) 1,2-Dichlorobenzene	13.65	146	115246	21.817	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	13958	20.103	ug/l	94

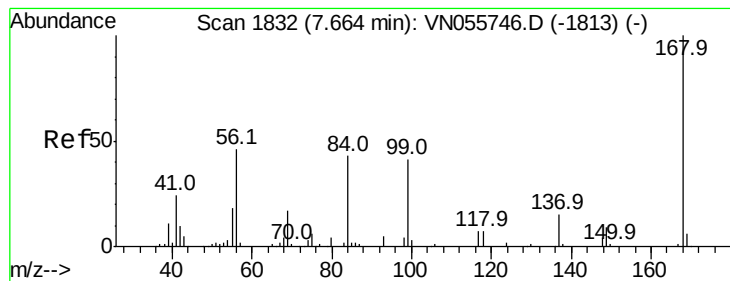
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN053119\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	47898	18.250	ug/l	99
94) Hexachlorobutadiene	15.01	225	40503	20.717	ug/l	99
95) Naphthalene	15.13	128	165878	22.884	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	55445	19.856	ug/l	99

(#) = 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: VN055917.D

Acq: 31 May 2019 14:18

Instrument :

MSVOA_N

ClientSampled :

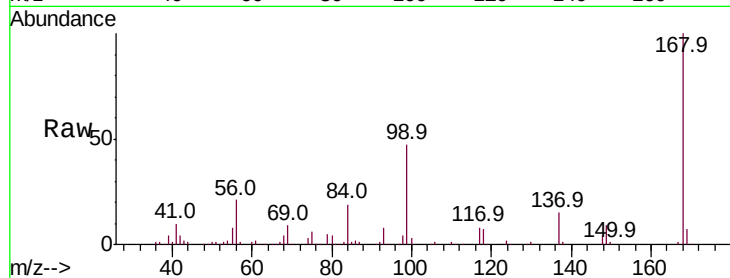
VN0531WBSD01

Tot Ion:168 Resp: 287669

Ion Ratio Lower Upper

168 100

99 46.3 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

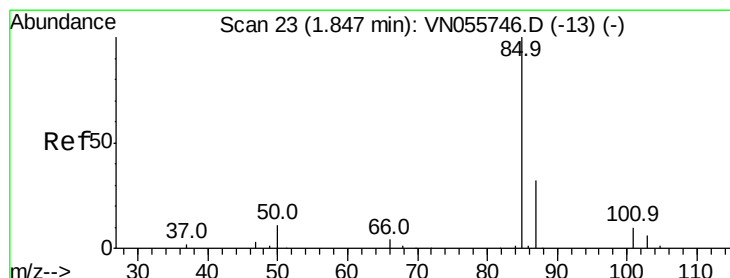
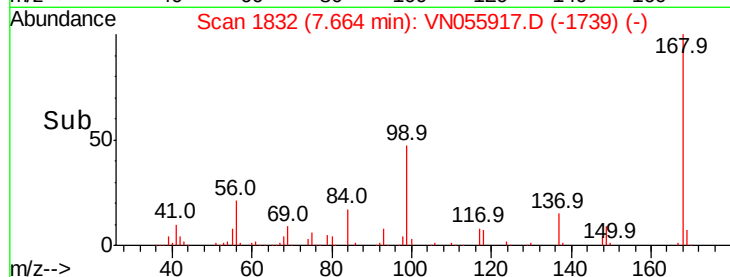
7.66

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.030 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN055917.D

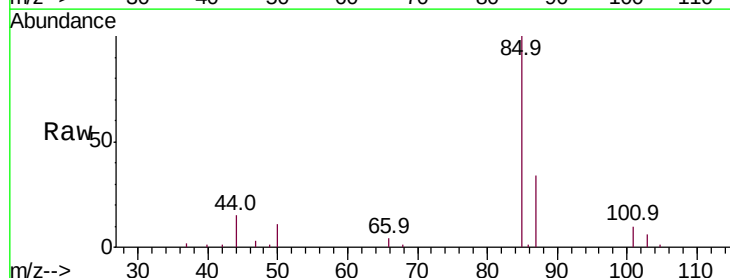
Acq: 31 May 2019 14:18

Tgt Ion: 85 Resp: 36843

Ion Ratio Lower Upper

85 100

87 33.8 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

25000

20000

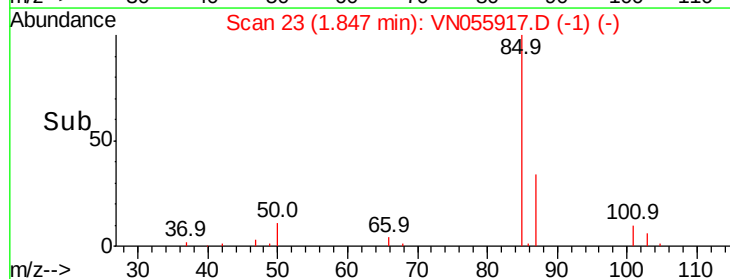
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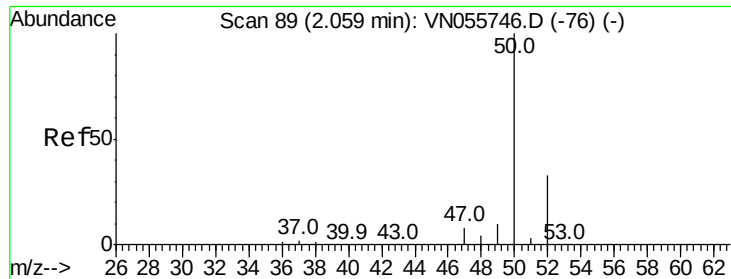
10000

5000

0

Time-->





#3

Chloromethane

Concen: 19.850 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055917.D

Acq: 31 May 2019 14:18

Instrument :

MSVOA_N

ClientSampleId :

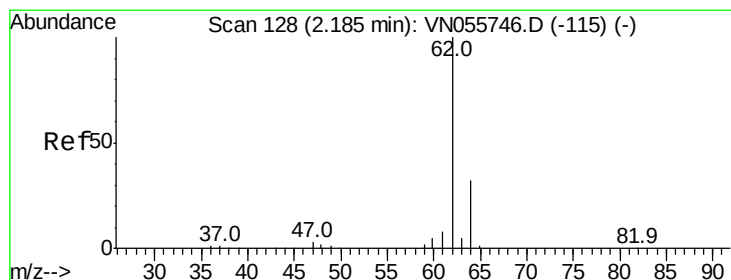
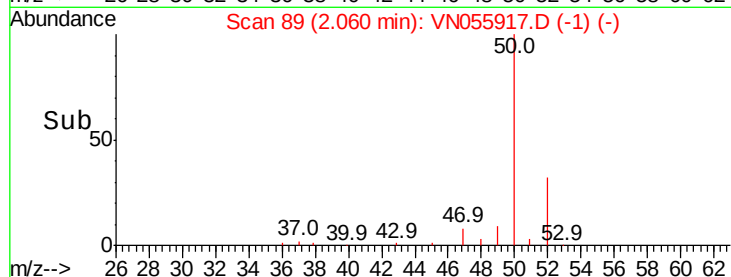
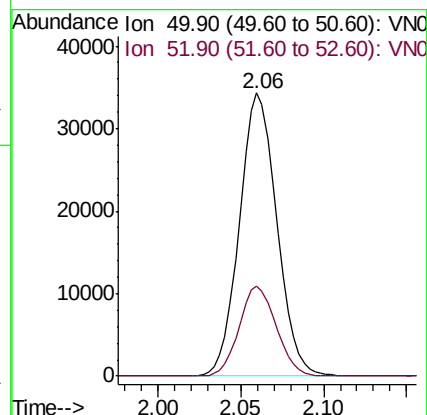
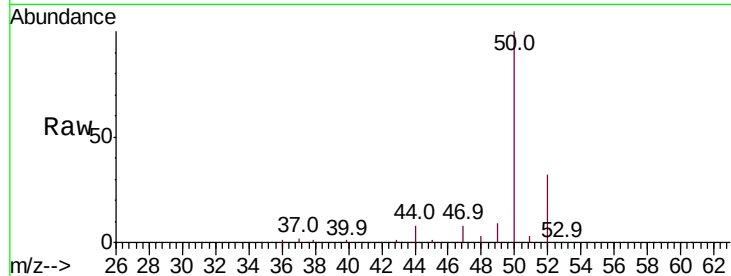
VN0531WBSD01

Tot Ion: 50 Resp: 53844

Ion Ratio Lower Upper

50 100

52 31.8 26.6 40.0



#4

Vinyl Chloride

Concen: 19.988 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN055917.D

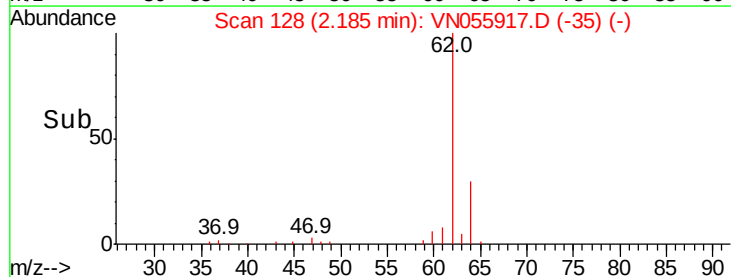
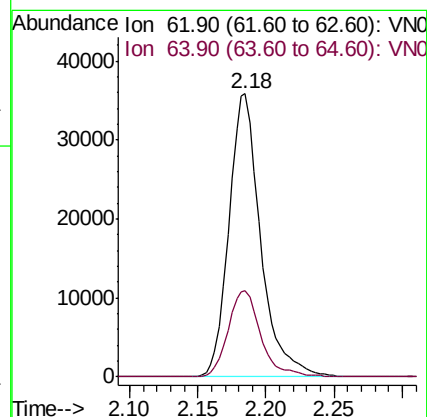
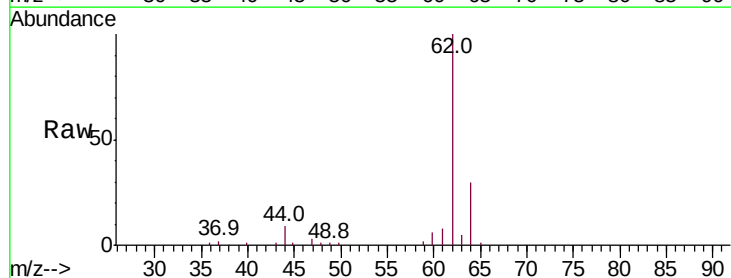
Acq: 31 May 2019 14:18

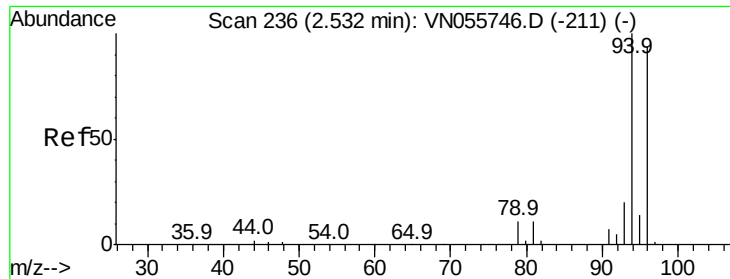
Tgt Ion: 62 Resp: 57829

Ion Ratio Lower Upper

62 100

64 30.4 25.6 38.4

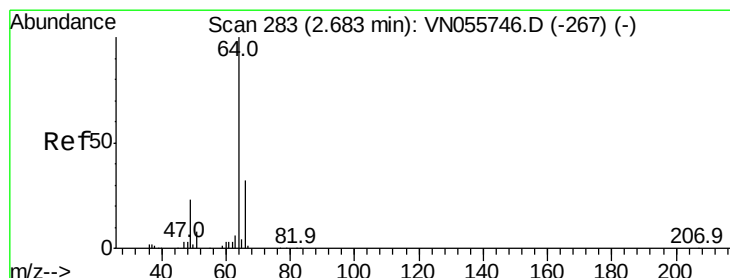
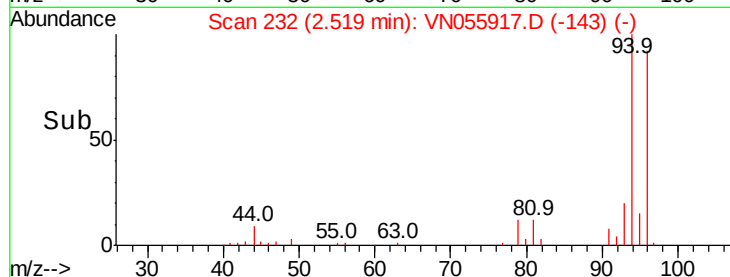
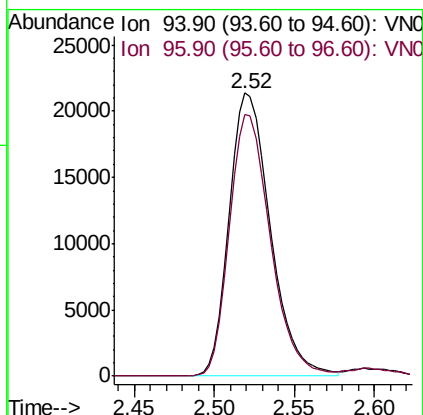
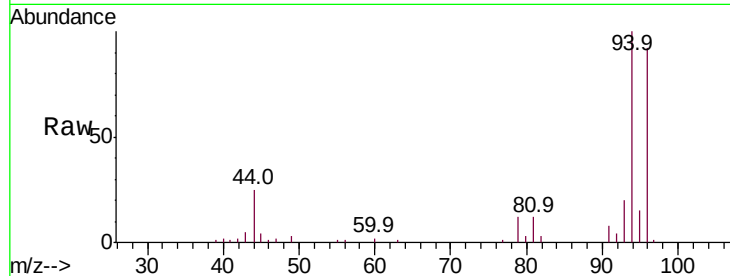




#5
Bromomethane
Concen: 20.765 ug/l
RT: 2.52 min Scan# 232
Delta R.T. -0.01 min
Lab File: VN055917.D
Acq: 31 May 2019 14:18

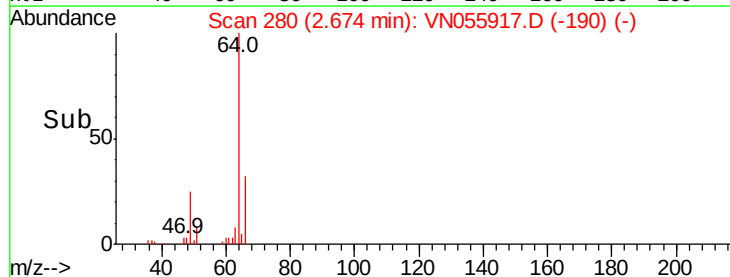
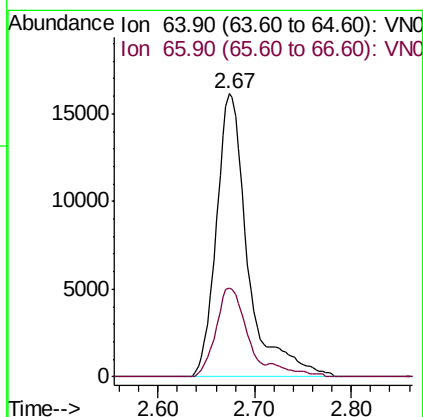
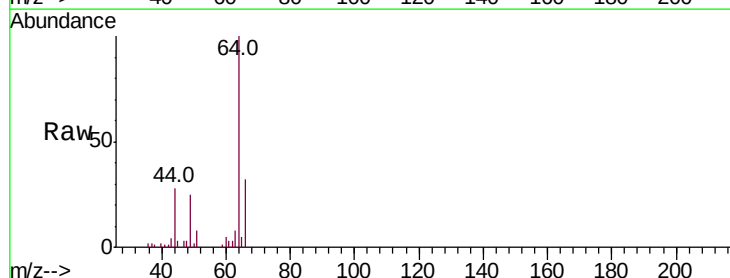
Instrument :
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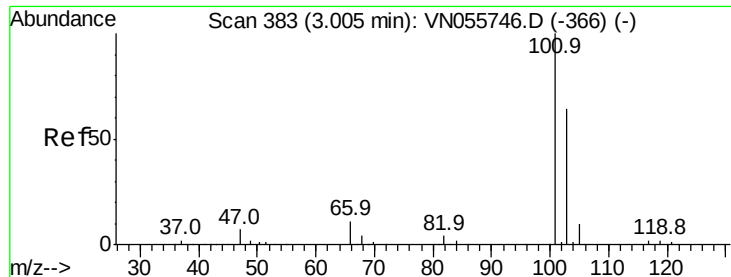
Tot Ion: 94 Resp: 37585
Ion Ratio Lower Upper
94 100
96 92.4 75.5 113.3



#6
Chloroethane
Concen: 20.986 ug/l
RT: 2.67 min Scan# 280
Delta R.T. -0.01 min
Lab File: VN055917.D
Acq: 31 May 2019 14:18

Tgt Ion: 64 Resp: 36556
Ion Ratio Lower Upper
64 100
66 31.5 25.4 38.0



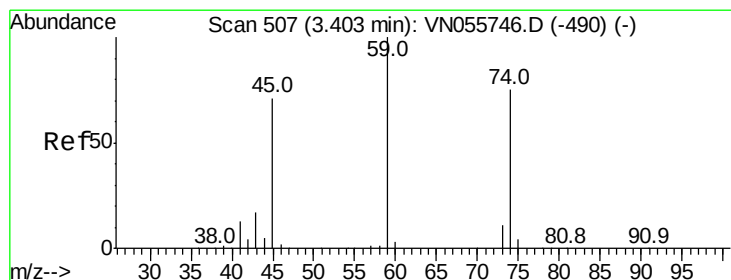
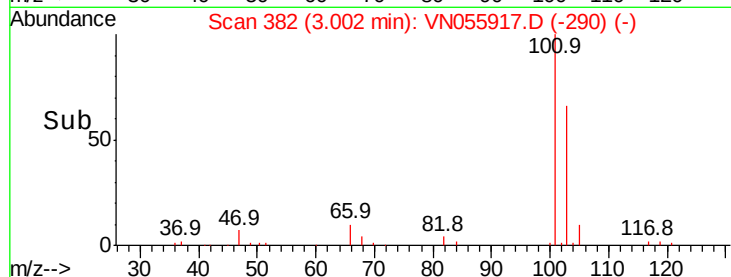
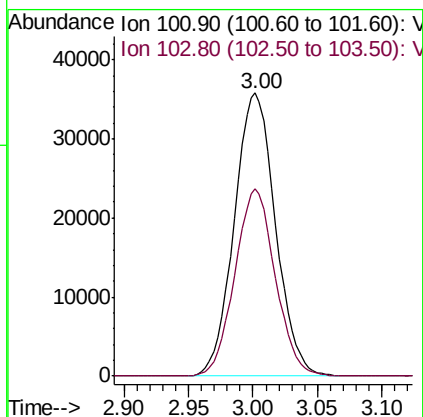
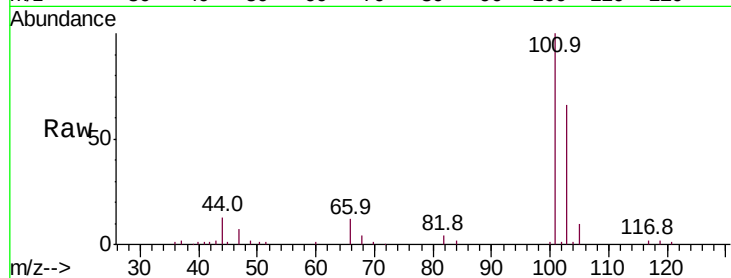


#7

Trichlorofluoromethane
 Concen: 20.961 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. -0.00 min
 Lab File: VN055917.D
 Acq: 31 May 2019 14:18

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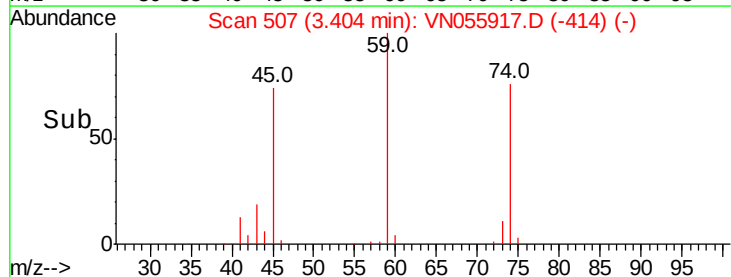
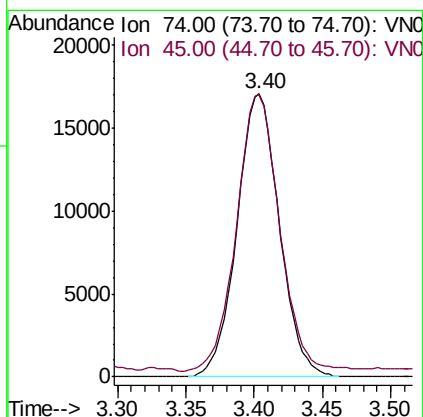
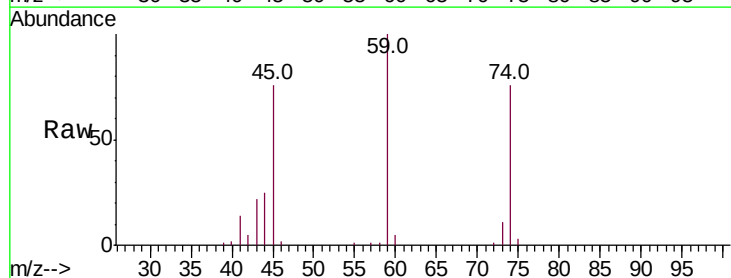
Tot Ion:101 Resp: 79508
 Ion Ratio Lower Upper
 101 100
 103 66.2 51.2 76.8

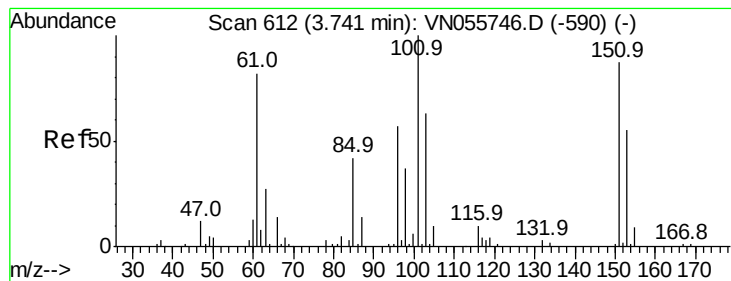


#8

Diethyl Ether
 Concen: 21.580 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. 0.00 min
 Lab File: VN055917.D
 Acq: 31 May 2019 14:18

Tgt Ion: 74 Resp: 36688
 Ion Ratio Lower Upper
 74 100
 45 99.2 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.349 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN055917.D

Acq: 31 May 2019 14:18

Instrument :

MSVOA_N

ClientSampleId :

VN0531WBSD01

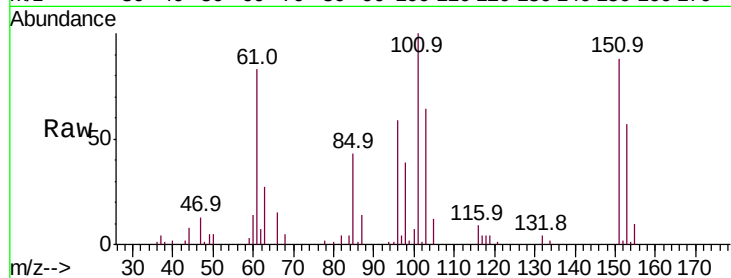
Tot Ion:101 Resp: 50550

Ion Ratio Lower Upper

101 100

85 41.3 33.4 50.2

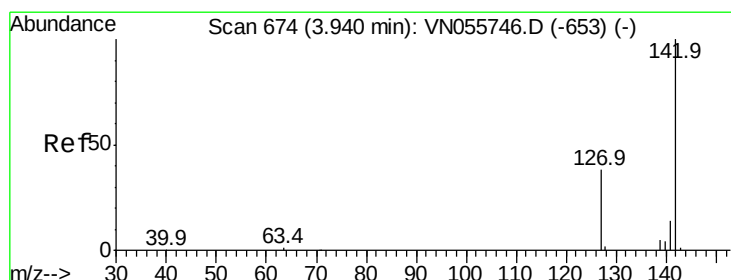
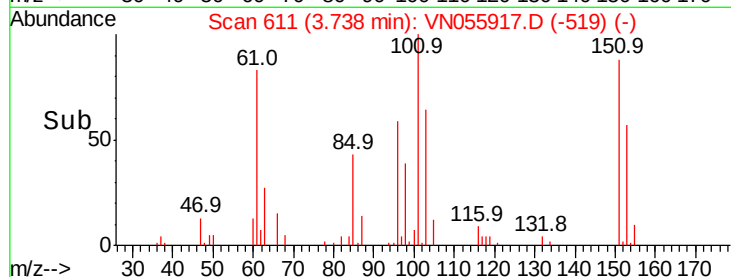
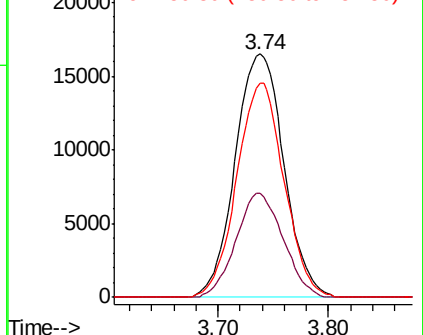
151 85.2 69.4 104.2



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: 20.414 ug/l

RT: 3.94 min Scan# 673

Delta R.T. -0.00 min

Lab File: VN055917.D

Acq: 31 May 2019 14:18

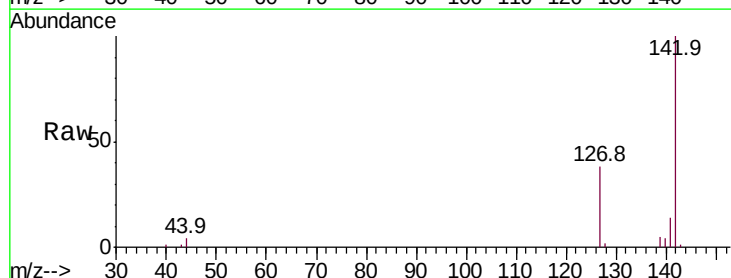
Tgt Ion:142 Resp: 70668

Ion Ratio Lower Upper

142 100

127 38.8 31.0 46.4

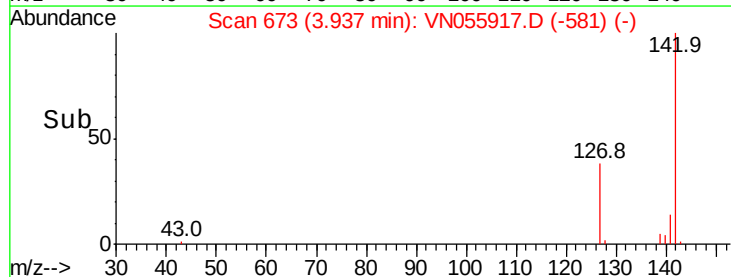
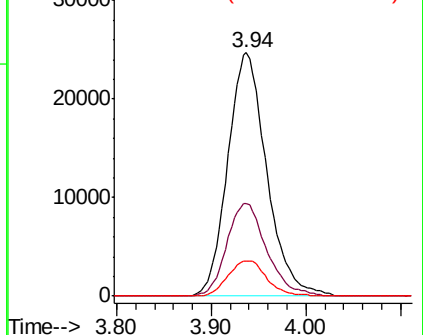
141 14.3 11.4 17.0

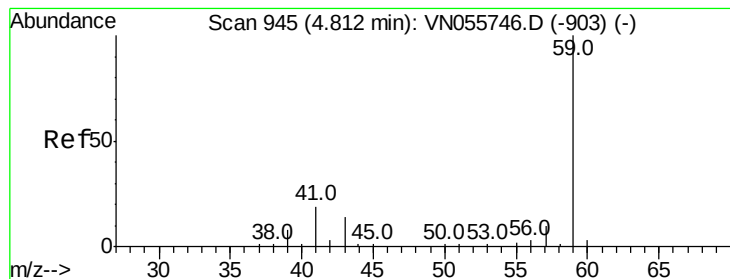


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



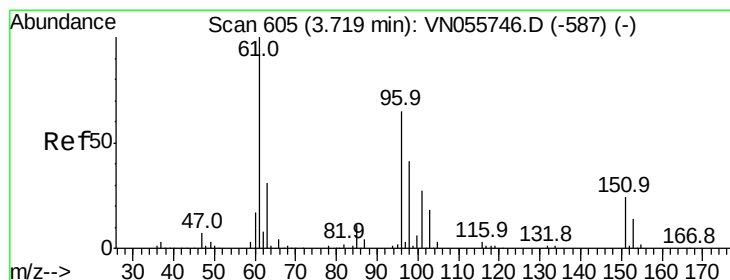
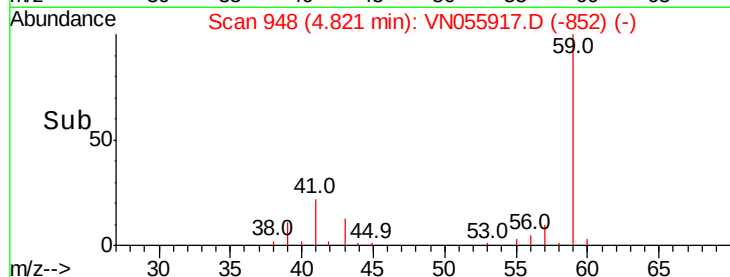
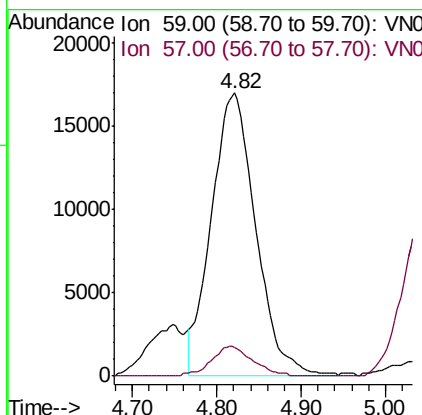
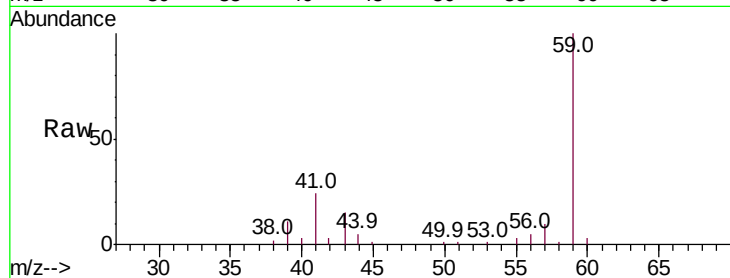


#11

Tert butyl alcohol
 Concen: 110.061 ug/l
 RT: 4.82 min Scan# 948
 Delta R.T. 0.01 min
 Lab File: VN055917.D
 Acq: 31 May 2019 14:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0531WBSD01

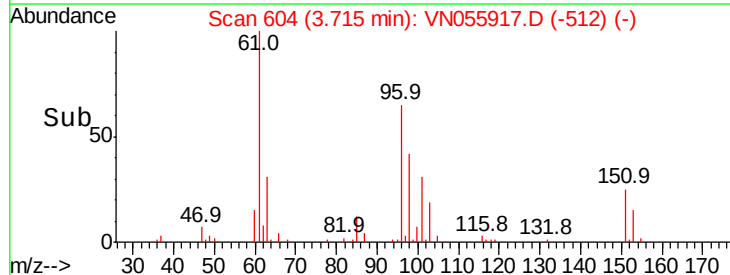
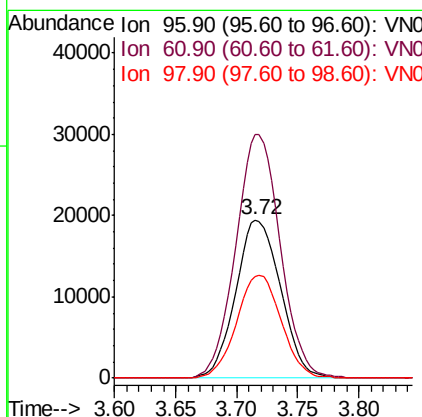
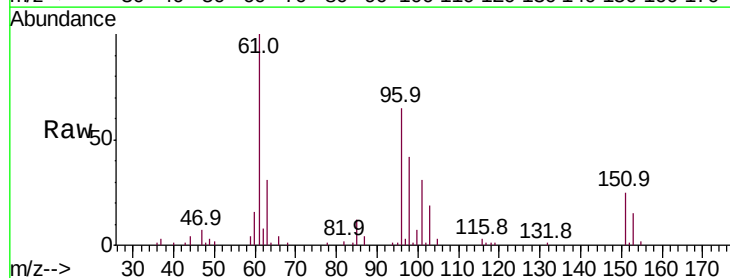
Tot Ion: 59 Resp: 62473
 Ion Ratio Lower Upper
 59 100
 57 9.7 7.8 11.6

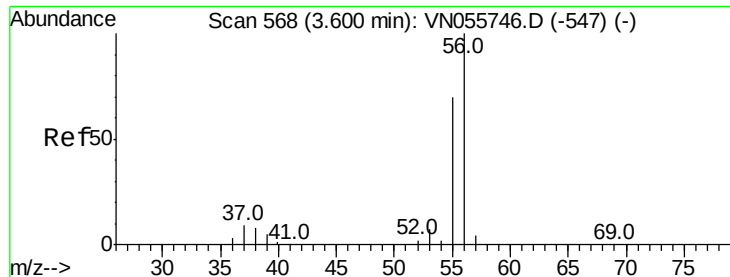


#12

1,1-Dichloroethene
 Concen: 20.252 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. -0.00 min
 Lab File: VN055917.D
 Acq: 31 May 2019 14:18

Tgt Ion: 96 Resp: 49546
 Ion Ratio Lower Upper
 96 100
 61 154.2 123.2 184.8
 98 64.5 50.4 75.6





#13

Acrolein

Concen: 68.091 ug/l

RT: 3.60 min Scan# 567

Delta R.T. -0.00 min

Lab File: VN055917.D

Acq: 31 May 2019 14:18

Instrument :

MSVOA_N

ClientSampleId :

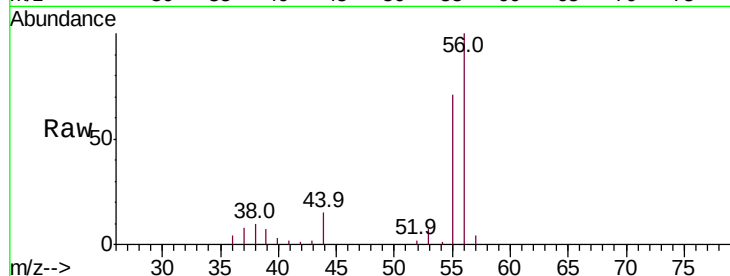
VN0531WBSD01

Tot Ion: 56 Resp: 27675

Ion Ratio Lower Upper

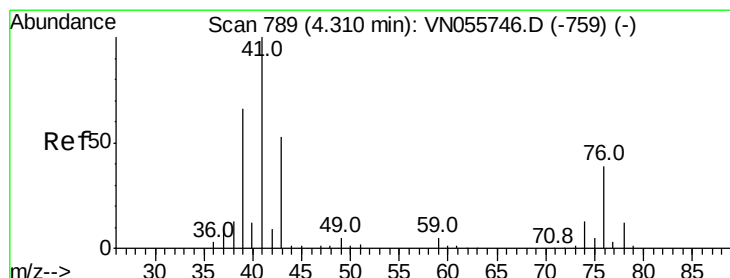
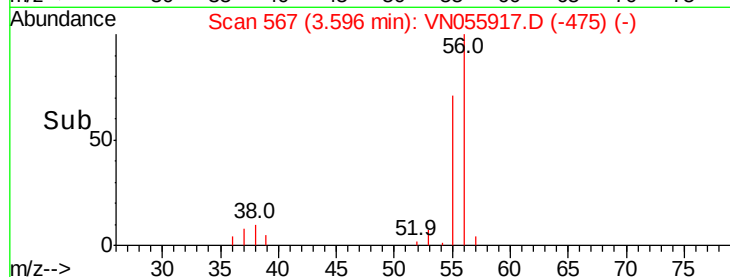
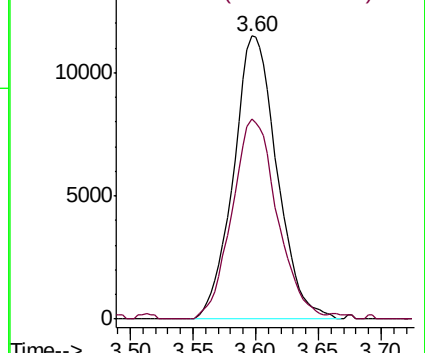
56 100

55 73.7 55.4 83.2



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 19.851 ug/l

RT: 4.31 min Scan# 789

Delta R.T. 0.00 min

Lab File: VN055917.D

Acq: 31 May 2019 14:18

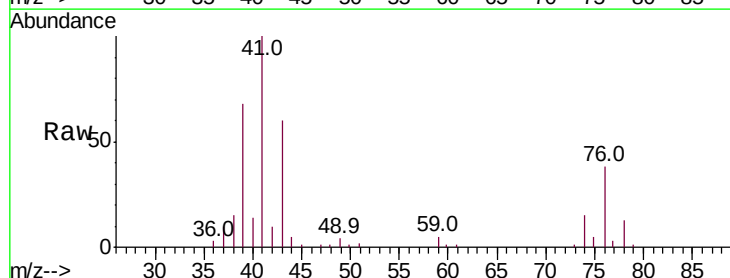
Tgt Ion: 41 Resp: 83258

Ion Ratio Lower Upper

41 100

39 63.7 50.0 75.0

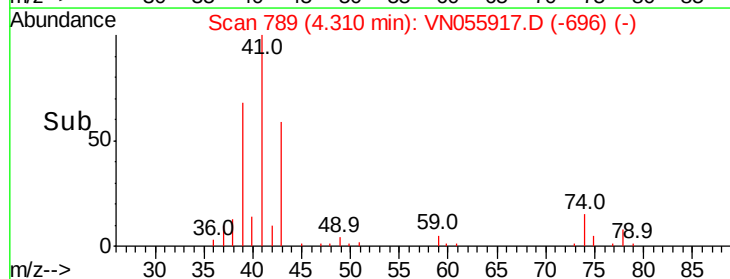
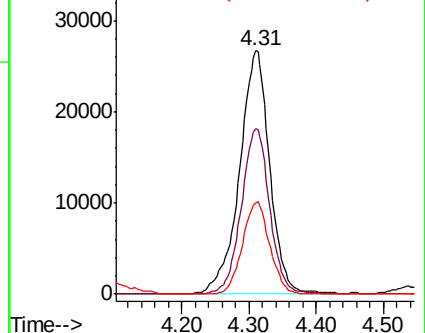
76 34.0 28.2 42.2

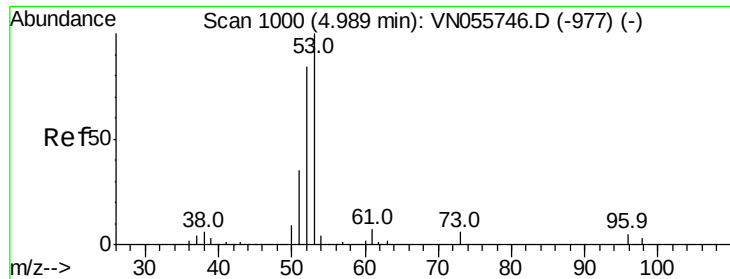


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 116.002 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN055917.D

Acq: 31 May 2019 14:18

Instrument :

MSVOA_N

ClientSampleId :

VN0531WBSD01

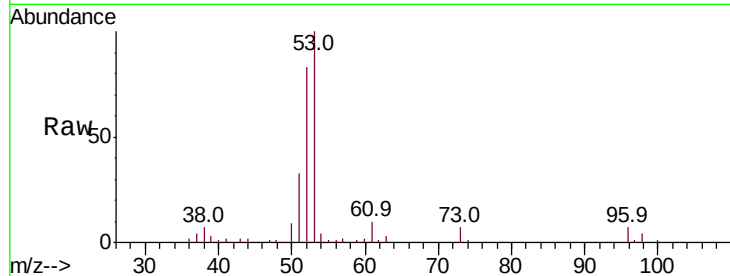
Tot Ion: 53 Resp: 151199

Ion Ratio Lower Upper

53 100

52 80.6 65.8 98.8

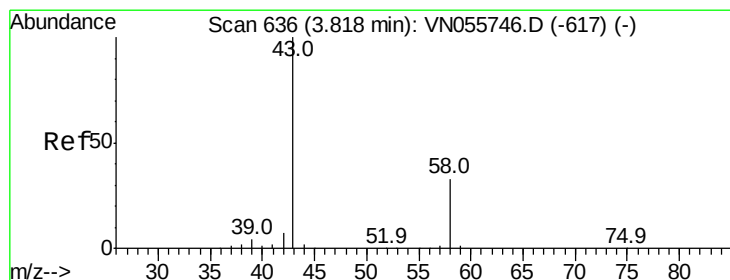
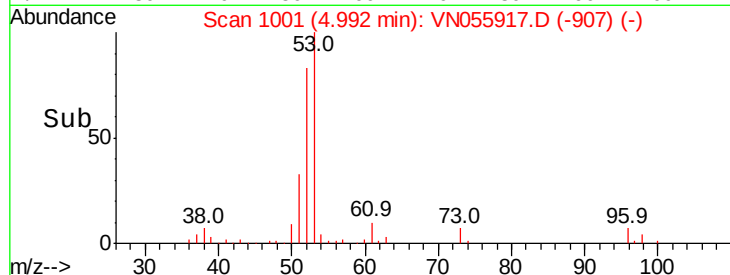
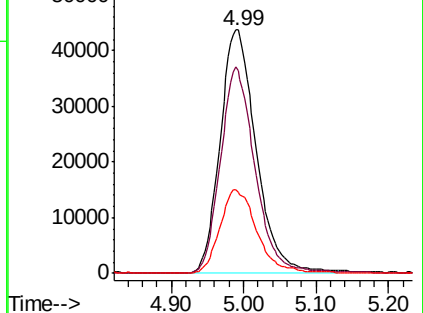
51 35.5 28.2 42.4



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: 103.312 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN055917.D

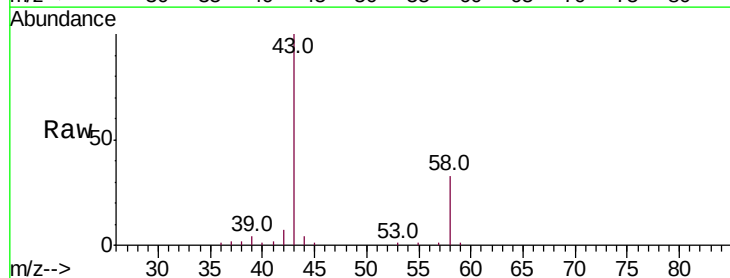
Acq: 31 May 2019 14:18

Tgt Ion: 43 Resp: 134916

Ion Ratio Lower Upper

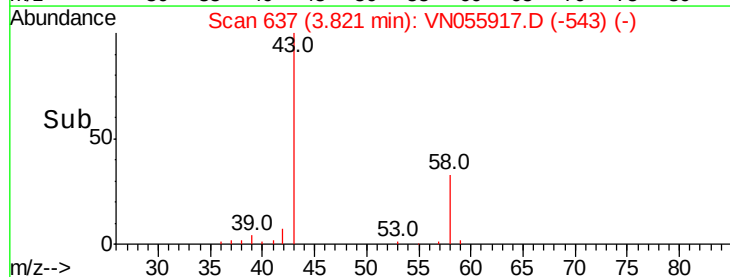
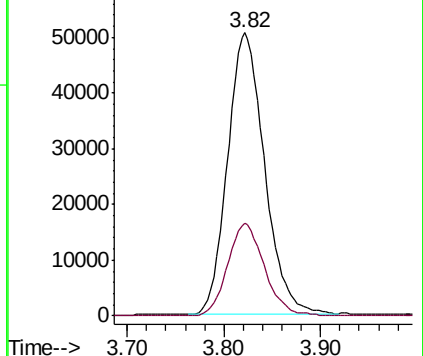
43 100

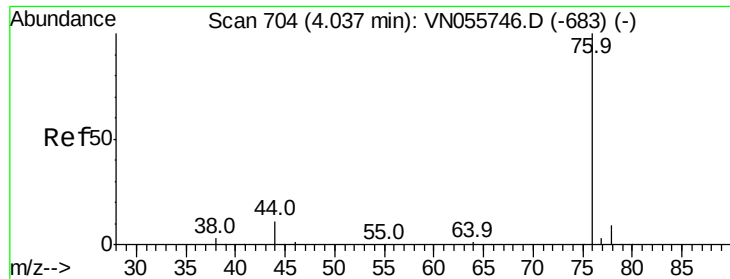
58 33.0 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 15.430 ug/l

RT: 4.03 min Scan# 703

Delta R.T. -0.00 min

Lab File: VN055917.D

Acq: 31 May 2019 14:18

Instrument :

MSVOA_N

ClientSampleId :

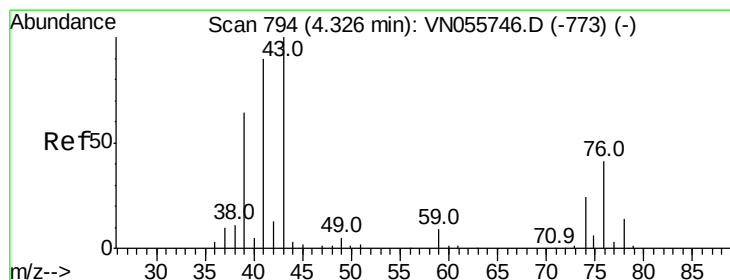
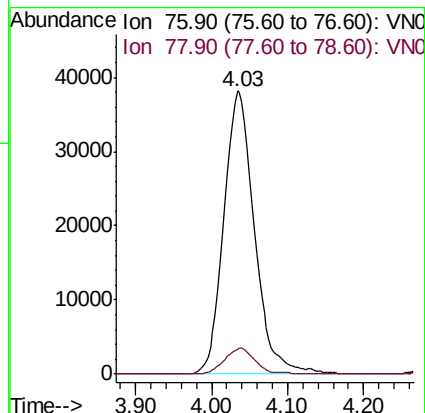
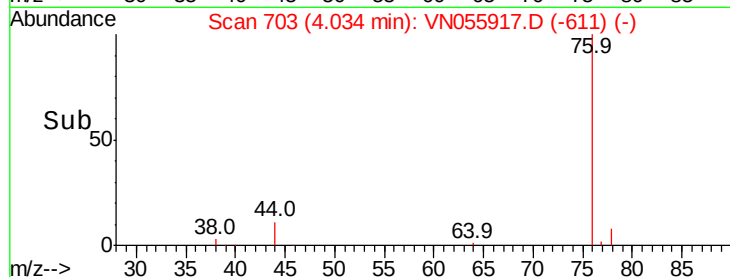
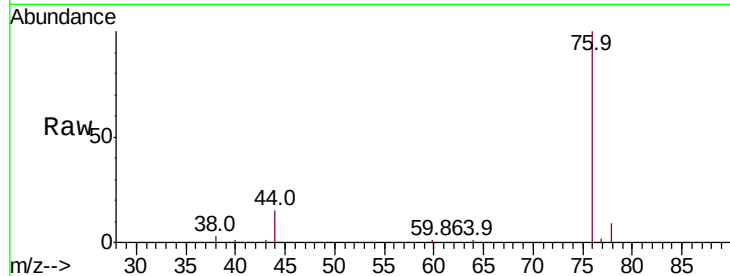
VN0531WBSD01

Tot Ion: 76 Resp: 107255

Ion Ratio Lower Upper

76 100

78 8.8 7.4 11.2



#18

Methyl Acetate

Concen: 26.180 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN055917.D

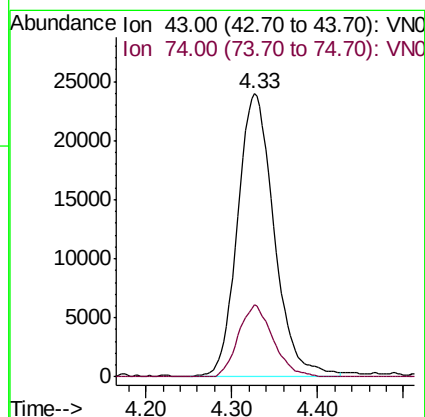
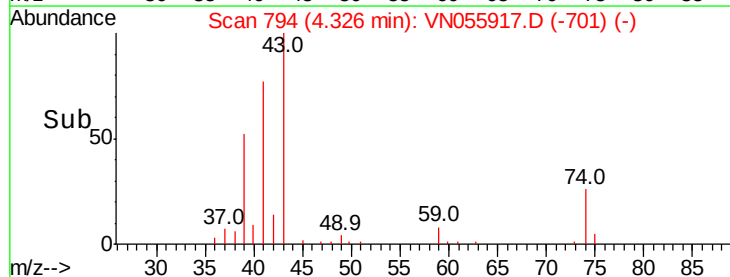
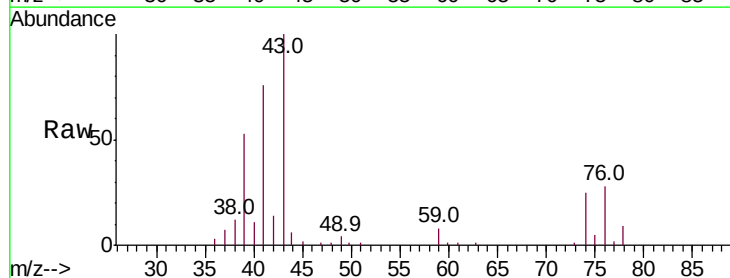
Acq: 31 May 2019 14:18

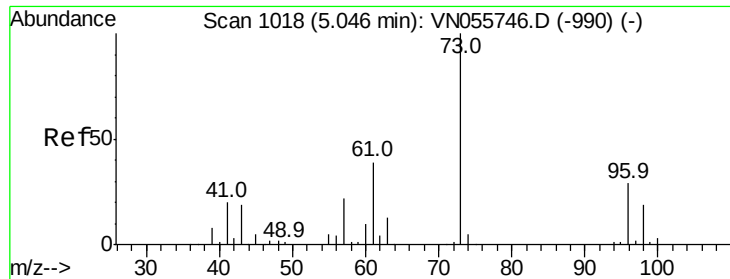
Tgt Ion: 43 Resp: 71103

Ion Ratio Lower Upper

43 100

74 24.0 19.3 28.9

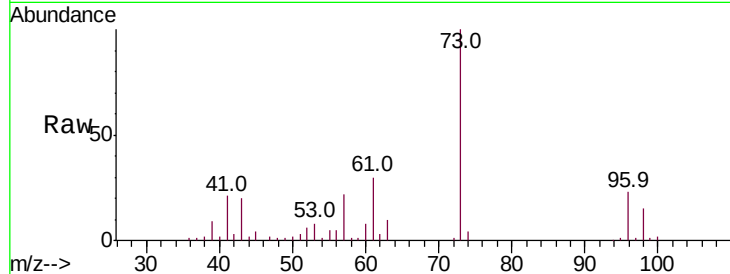




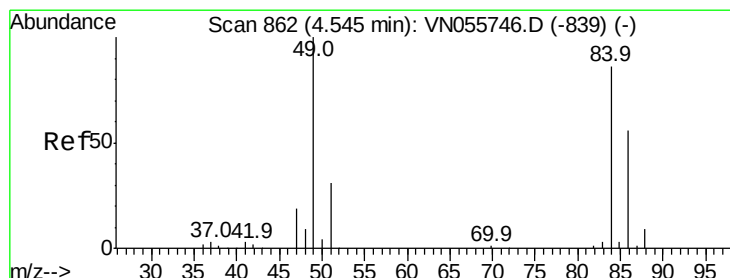
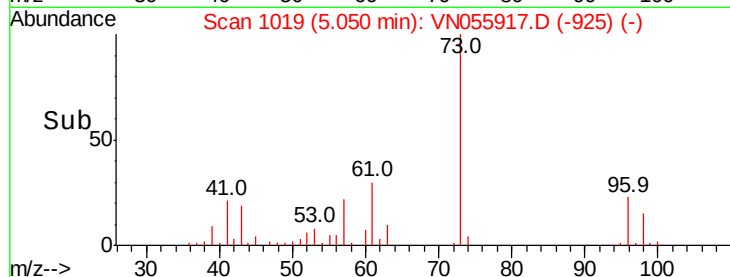
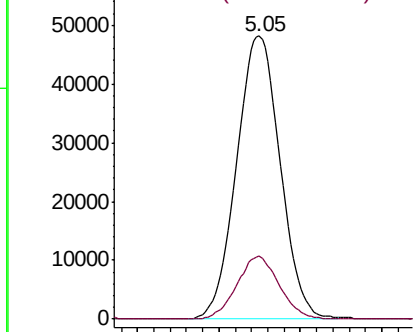
#19
Methyl tert-butyl Ether
Concen: 21.873 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN055917.D
Acq: 31 May 2019 14:18

Instrument :
MSVOA_N
ClientSampled :
VN0531WBSD01

Tot Ion: 73 Resp: 178475
Ion Ratio Lower Upper
73 100
57 22.1 17.8 26.8

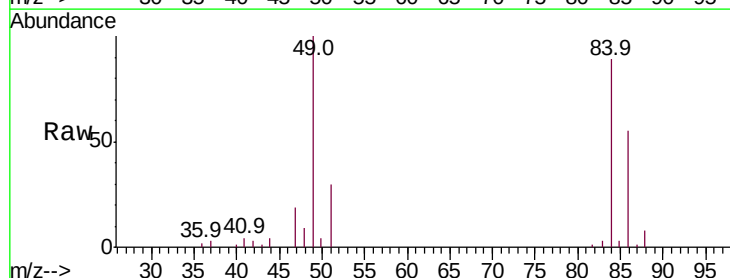


Abundance Ion 73.00 (72.70 to 73.70): VN0
Ion 57.00 (56.70 to 57.70): VN0

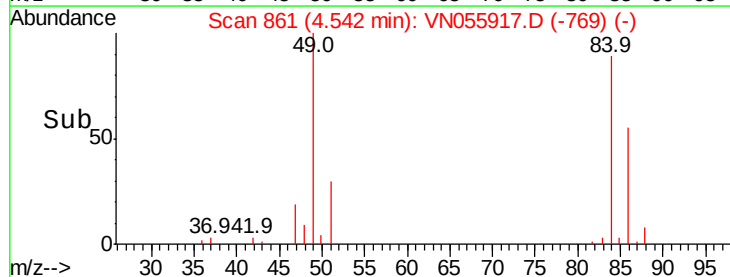
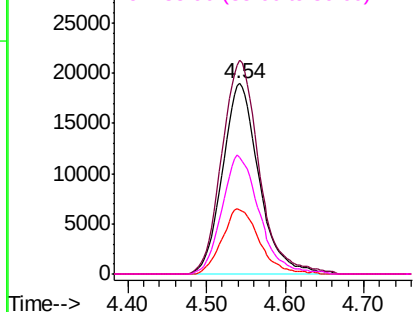


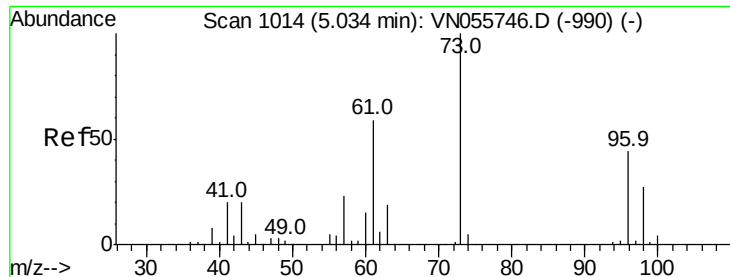
#20
Methylene Chloride
Concen: 21.592 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN055917.D
Acq: 31 May 2019 14:18

Tgt Ion: 84 Resp: 61067
Ion Ratio Lower Upper
84 100
49 112.1 93.5 140.3
51 33.7 28.6 43.0
86 61.5 52.6 79.0



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: 20.096 ug/l

RT: 5.03 min Scan# 1012

Delta R.T. -0.01 min

Lab File: VN055917.D

Acq: 31 May 2019 14:18

Instrument :

MSVOA_N

ClientSampled :

VN0531WBSD01

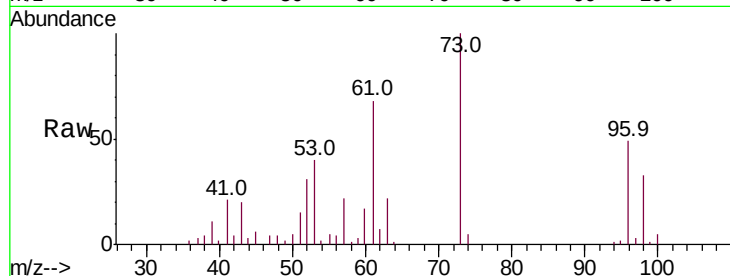
Tot Ion: 96 Resp: 52821

Ion Ratio Lower Upper

96 100

61 139.3 107.8 161.8

98 67.4 49.8 74.8

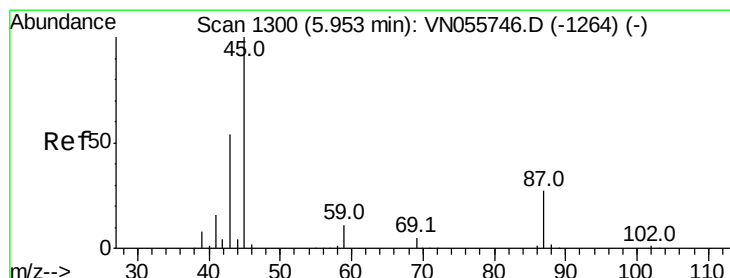
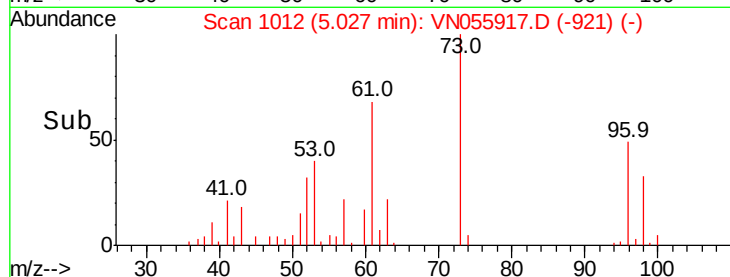
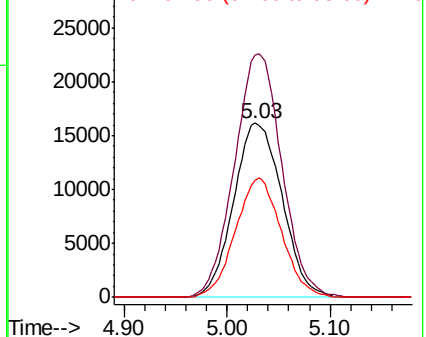


Abundance

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: 21.818 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VN055917.D

Acq: 31 May 2019 14:18

Tgt Ion: 45 Resp: 177979

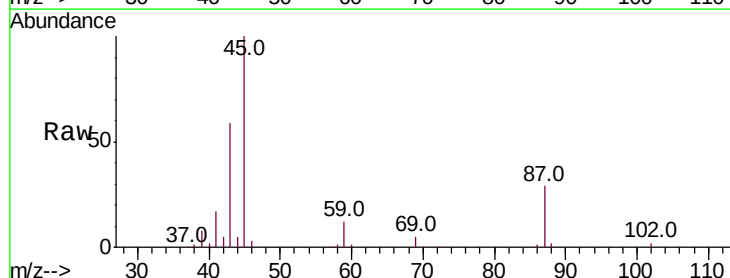
Ion Ratio Lower Upper

45 100

43 56.3 45.0 67.6

87 28.6 22.2 33.4

59 11.3 9.1 13.7



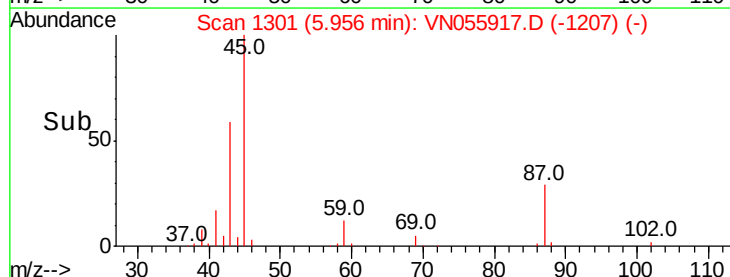
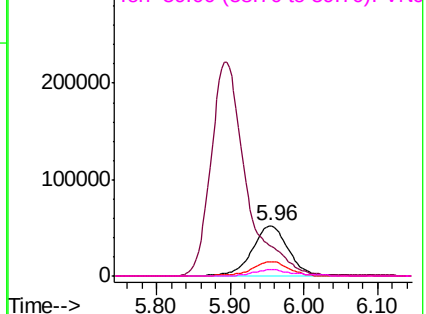
Abundance

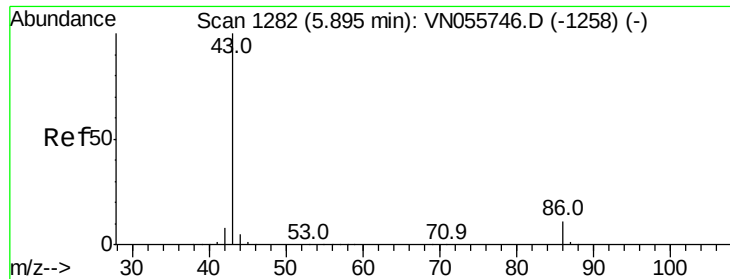
Ion 45.00 (44.70 to 45.70): VN0

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: 105.692 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VN055917.D

Acq: 31 May 2019 14:18

Instrument :

MSVOA_N

ClientSampleId :

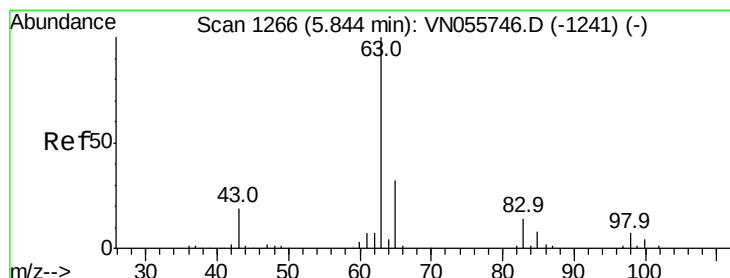
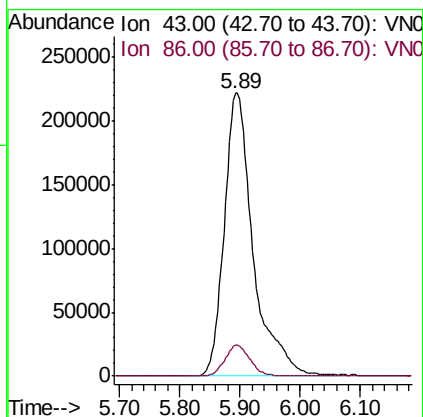
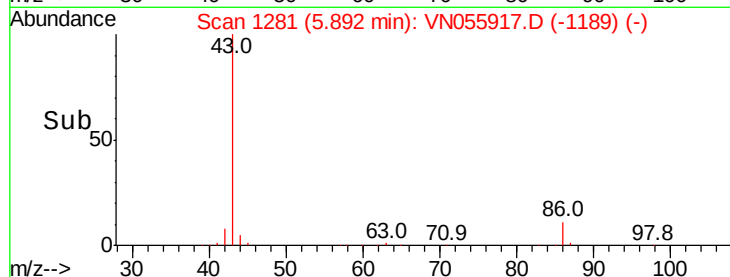
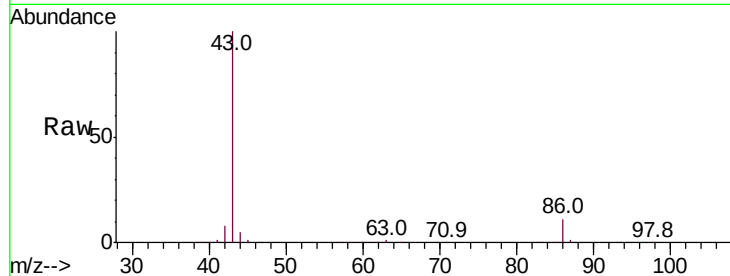
VN0531WBSD01

Tot Ion: 43 Resp: 739214

Ion Ratio Lower Upper

43 100

86 10.8 8.6 13.0



#24

1,1-Dichloroethane

Concen: 21.231 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN055917.D

Acq: 31 May 2019 14:18

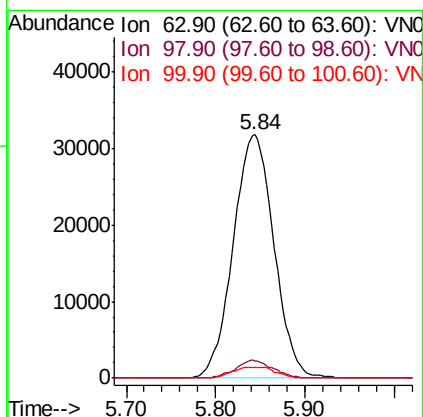
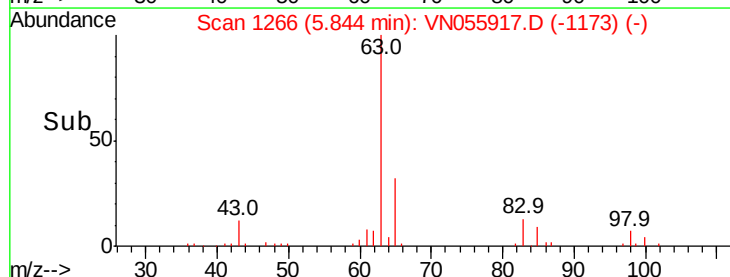
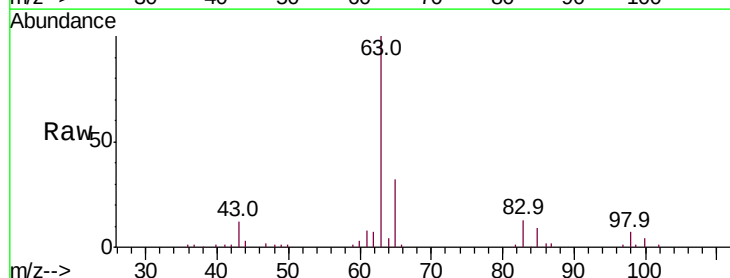
Tgt Ion: 63 Resp: 100836

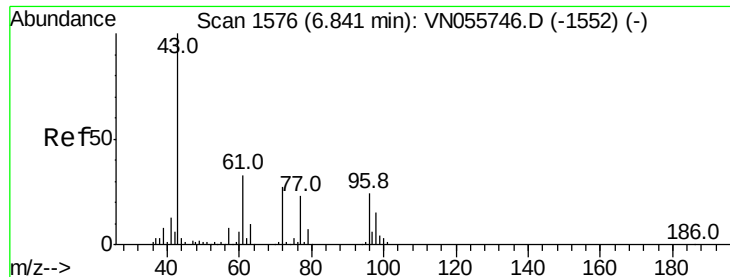
Ion Ratio Lower Upper

63 100

98 7.3 3.4 10.1

100 4.2 2.2 6.6





#25

2-Butanone

Concen: 112.438 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. 0.00 min

Lab File: VN055917.D

Acq: 31 May 2019 14:18

Instrument :

MSVOA_N

ClientSampleId :

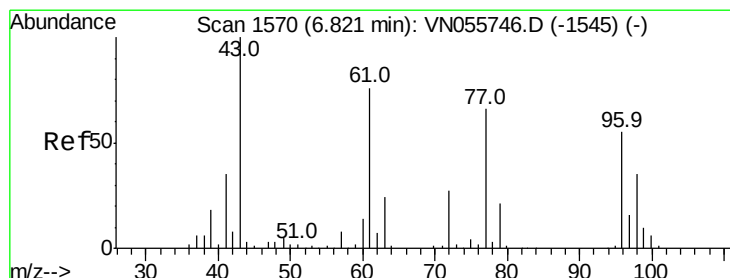
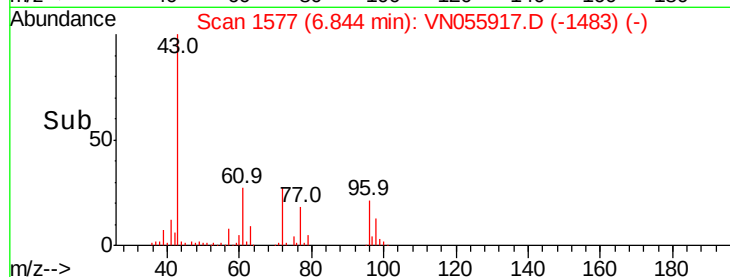
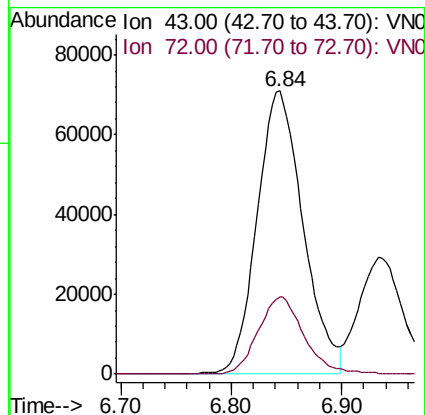
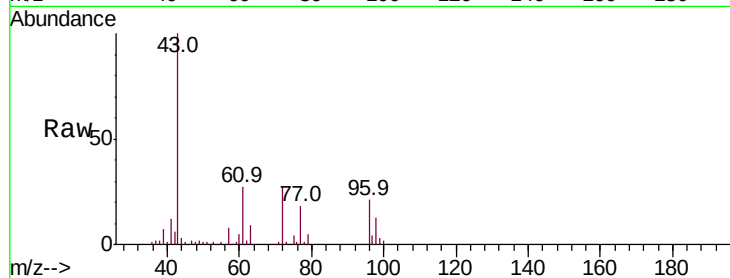
VN0531WBSD01

Tot Ion: 43 Resp: 205064

Ion Ratio Lower Upper

43 100

72 27.3 21.9 32.9



#26

2,2-Dichloropropane

Concen: 17.908 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. 0.00 min

Lab File: VN055917.D

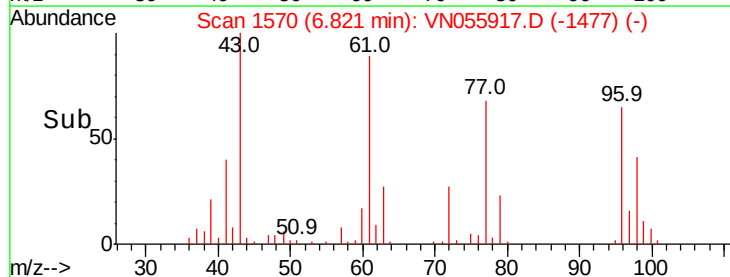
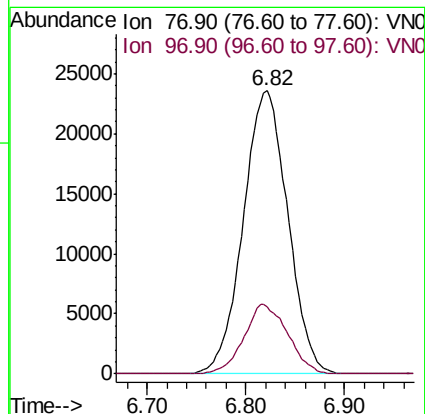
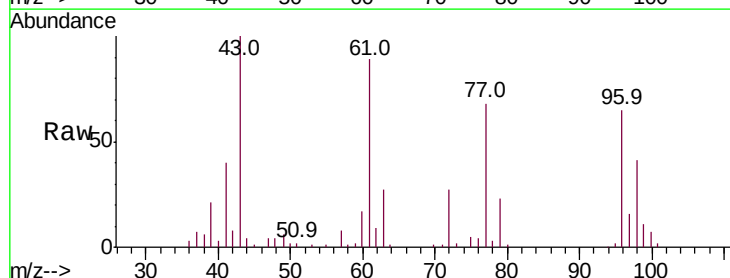
Acq: 31 May 2019 14:18

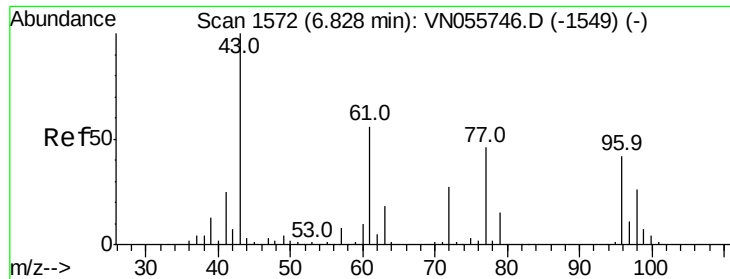
Tgt Ion: 77 Resp: 73610

Ion Ratio Lower Upper

77 100

97 24.1 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 21.640 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN055917.D

Acq: 31 May 2019 14:18

Instrument :

MSVOA_N

ClientSampleId :

VN0531WBSD01

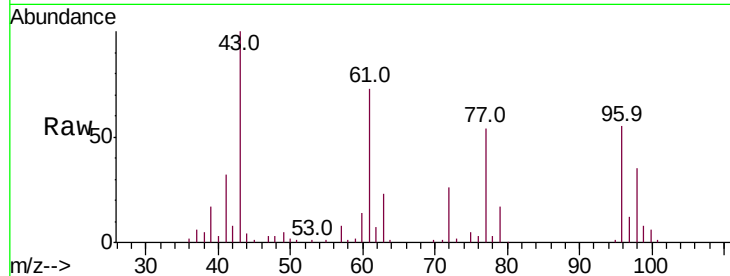
Tot Ion: 96 Resp: 66358

Ion Ratio Lower Upper

96 100

61 137.3 0.0 275.8

98 65.0 0.0 128.4

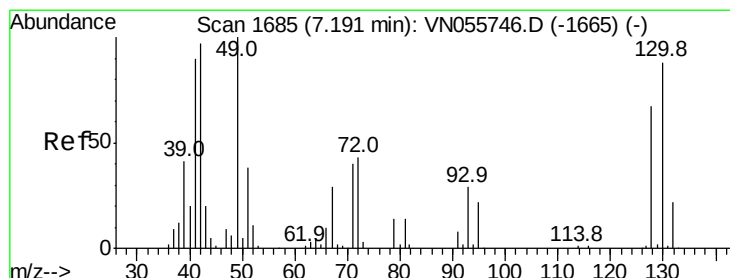
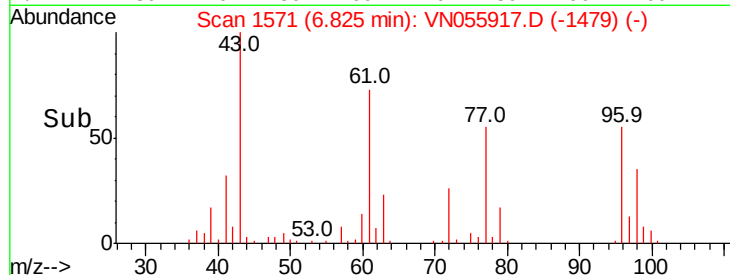
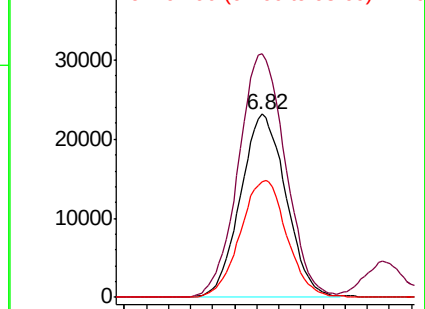


Abundance

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: 23.096 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN055917.D

Acq: 31 May 2019 14:18

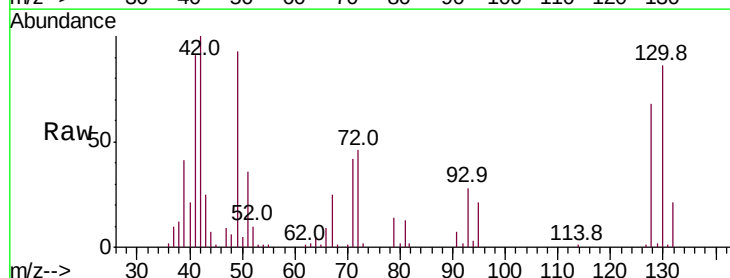
Tgt Ion: 49 Resp: 52226

Ion Ratio Lower Upper

49 100

129 1.9 0.0 4.4

130 90.4 71.2 106.8

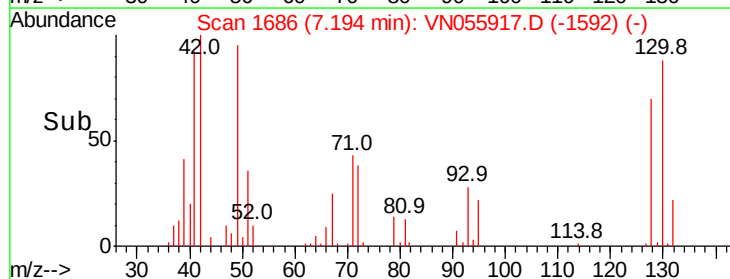
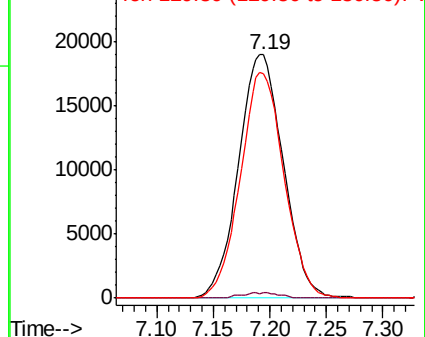


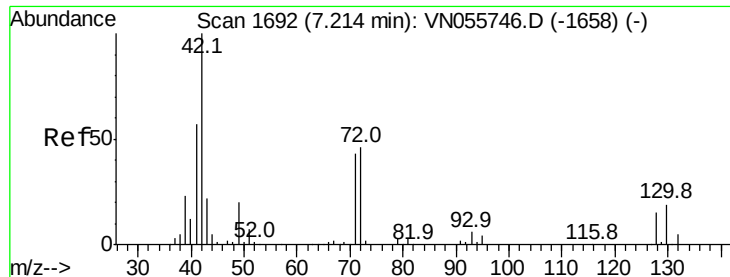
Abundance

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: 115.118 ug/l

RT: 7.22 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VN055917.D

Acq: 31 May 2019 14:18

Instrument :

MSVOA_N

ClientSampleId :

VN0531WBSD01

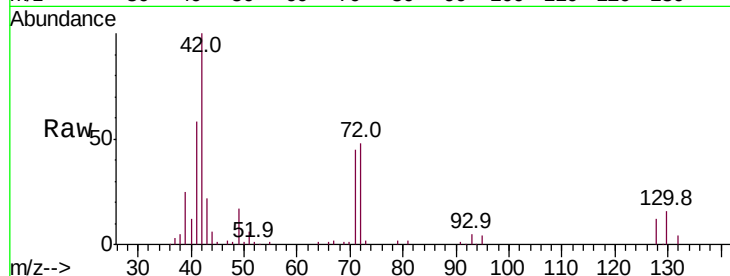
Tot Ion: 42 Resp: 132957

Ion Ratio Lower Upper

42 100

72 46.2 35.9 53.9

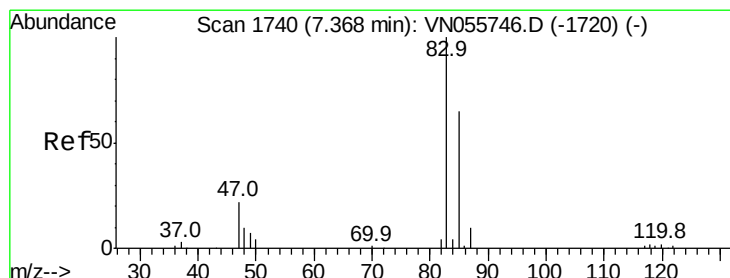
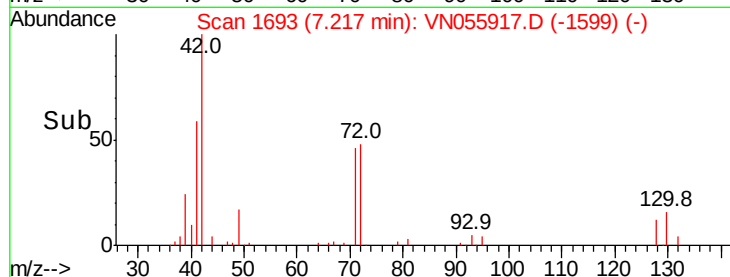
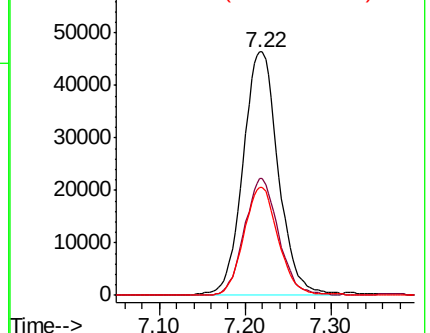
71 43.3 34.0 51.0



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: 21.814 ug/l

RT: 7.37 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VN055917.D

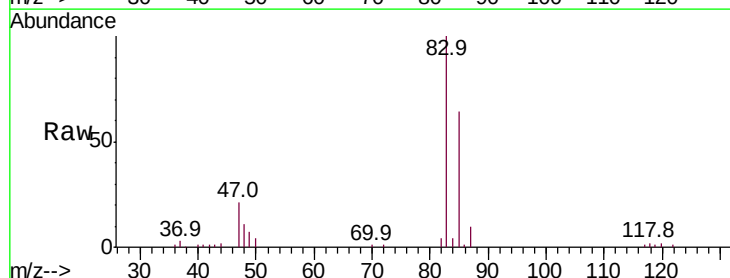
Acq: 31 May 2019 14:18

Tgt Ion: 83 Resp: 103325

Ion Ratio Lower Upper

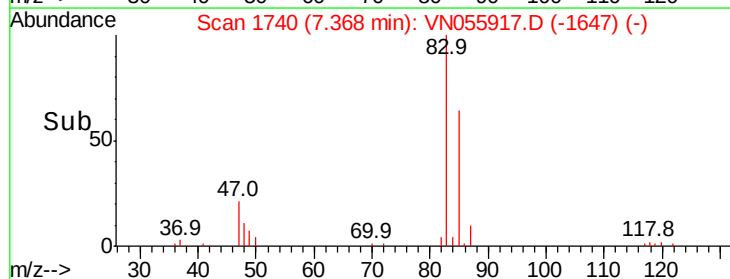
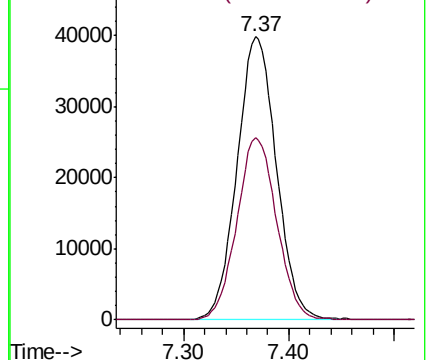
83 100

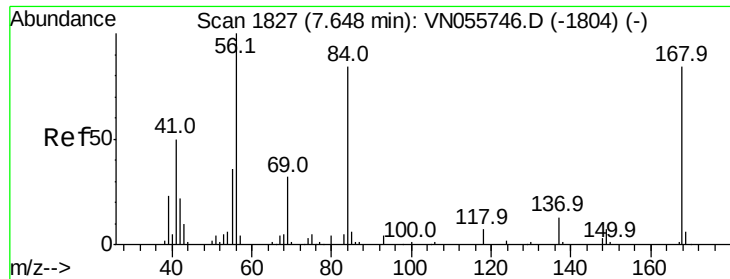
85 64.4 51.8 77.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

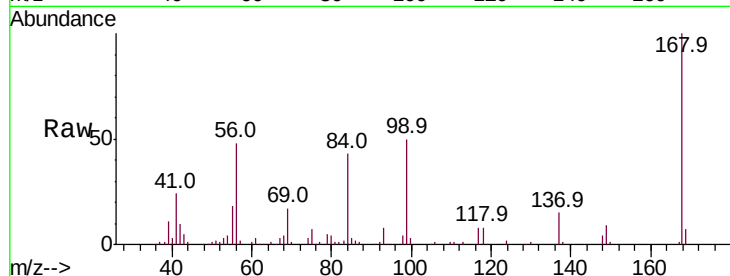




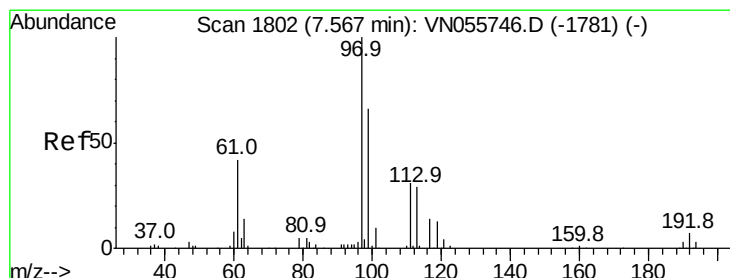
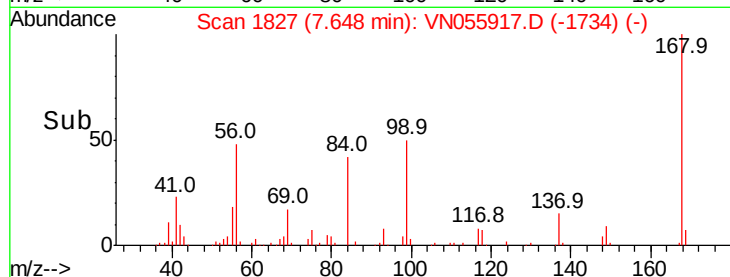
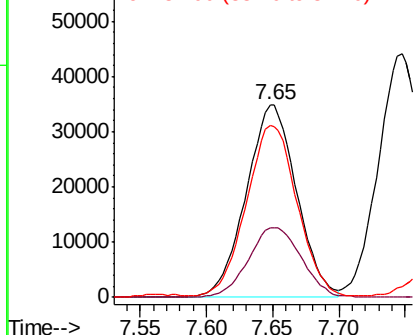
#31
Cyclohexane
Concen: 20.722 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN055917.D
Acq: 31 May 2019 14:18

Instrument :
MSVOA_N
ClientSampleId :
VN0531WBSD01

Tot Ion: 56 Resp: 92403
Ion Ratio Lower Upper
56 100
69 36.0 25.6 38.4
84 88.6 67.4 101.0

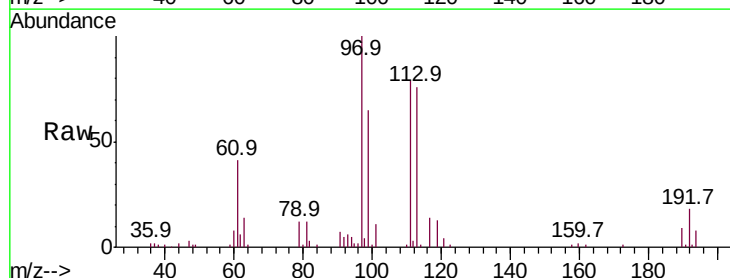


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

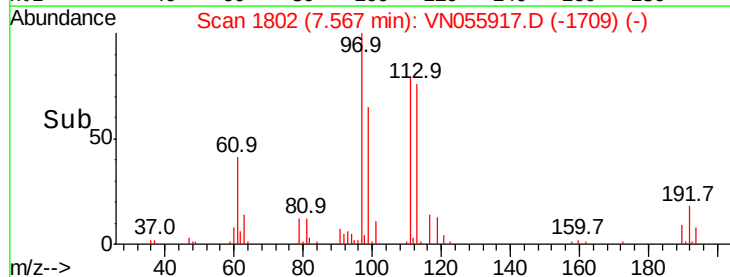
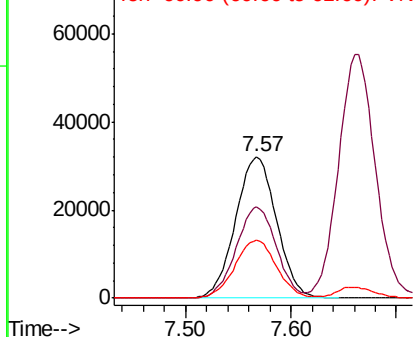


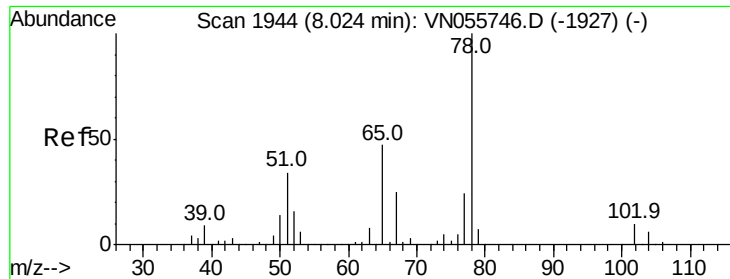
#32
1,1,1-Trichloroethane
Concen: 20.486 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN055917.D
Acq: 31 May 2019 14:18

Tgt Ion: 97 Resp: 86591
Ion Ratio Lower Upper
97 100
99 63.2 52.0 78.0
61 41.6 32.9 49.3



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

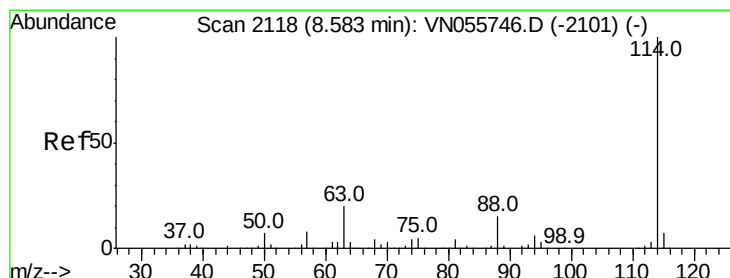
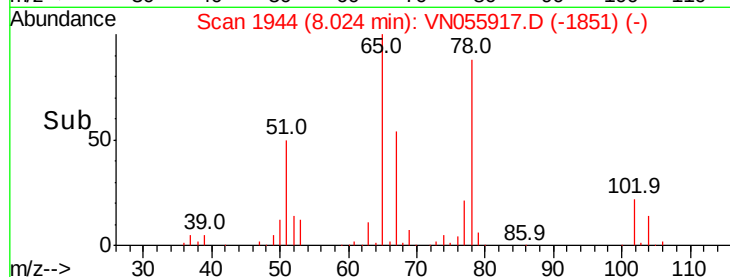
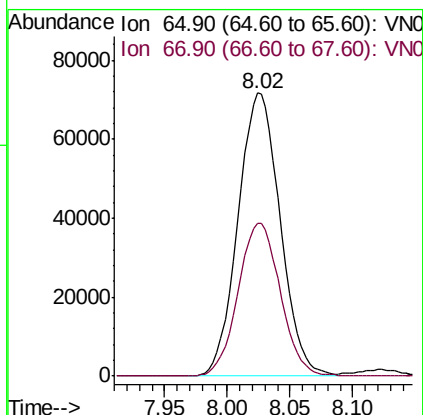
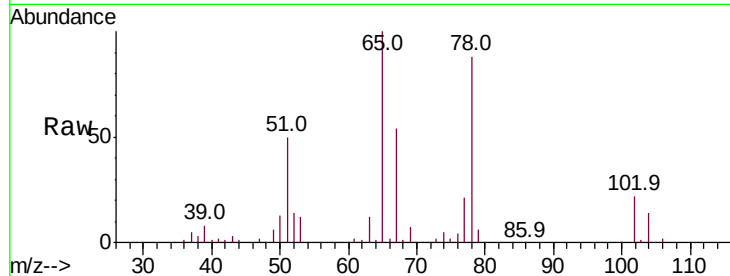




#33
 1,2-Dichloroethane-d4
 Concen: 56.389 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN055917.D
 Acq: 31 May 2019 14:18

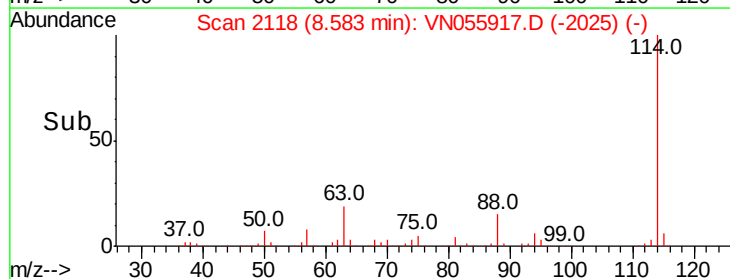
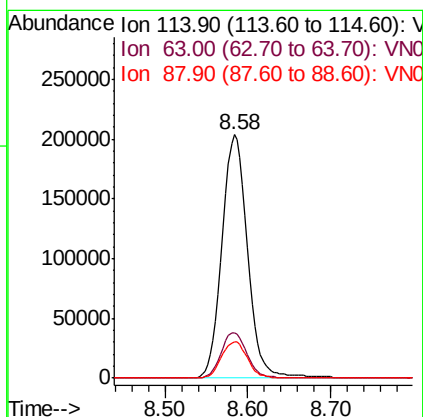
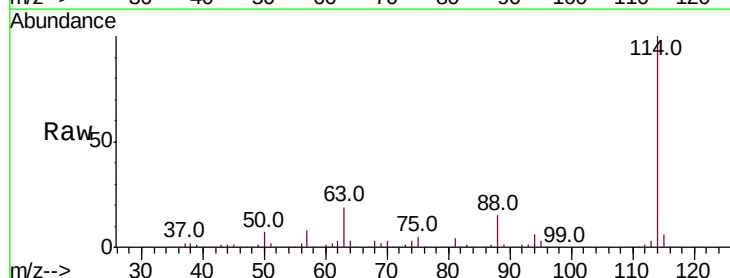
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0531WBSD01

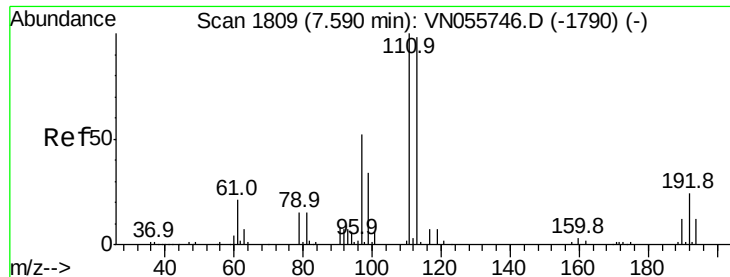
Tot Ion: 65 Resp: 167522
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 109.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055917.D
 Acq: 31 May 2019 14:18

Tgt Ion:114 Resp: 437476
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 39.2
 88 15.1 0.0 31.0





#35

Dibromofluoromethane

Concen: 52.382 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN055917.D

Acq: 31 May 2019 14:18

Instrument :

MSVOA_N

ClientSampleId :

VN0531WBSD01

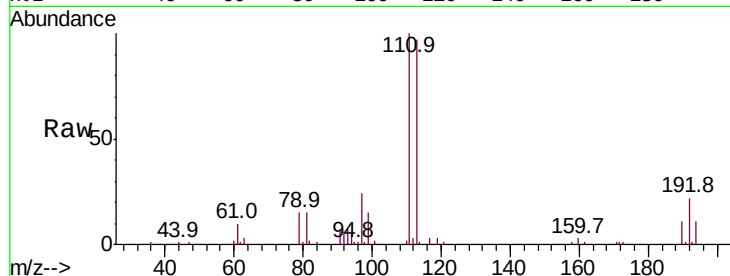
Tot Ion:113 Resp: 144881

Ion Ratio Lower Upper

113 100

111 102.7 81.9 122.9

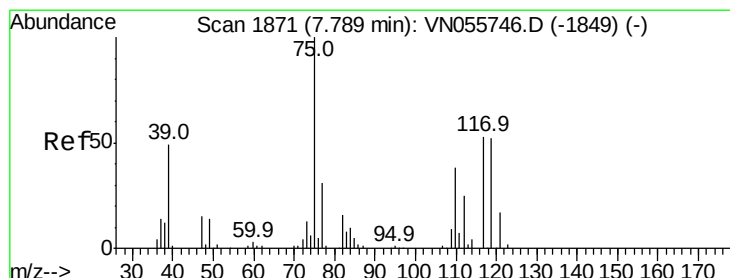
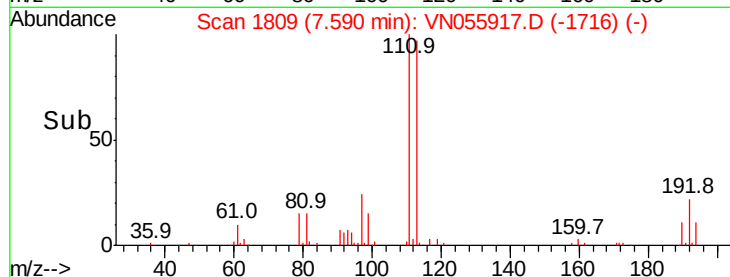
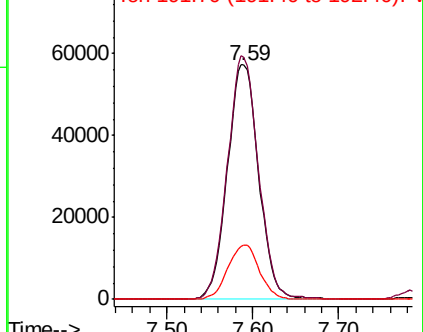
192 23.2 19.5 29.3



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: 19.263 ug/l

RT: 7.79 min Scan# 1870

Delta R.T. -0.00 min

Lab File: VN055917.D

Acq: 31 May 2019 14:18

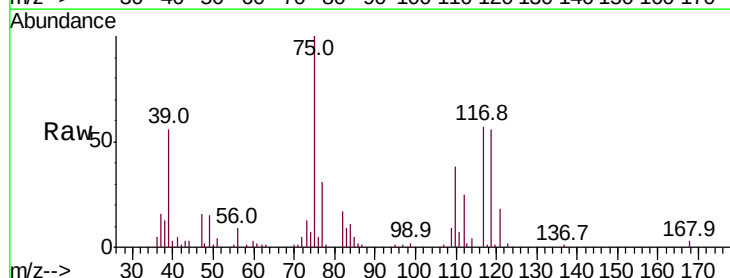
Tgt Ion: 75 Resp: 73439

Ion Ratio Lower Upper

75 100

110 37.7 19.0 57.0

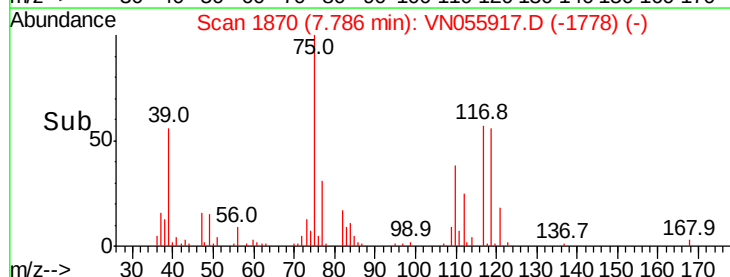
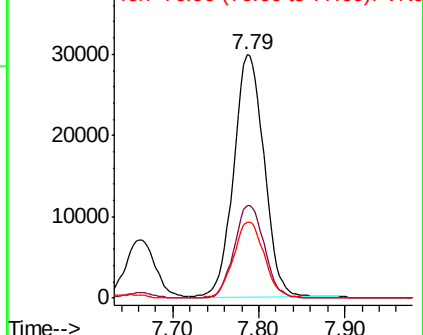
77 31.8 25.1 37.7

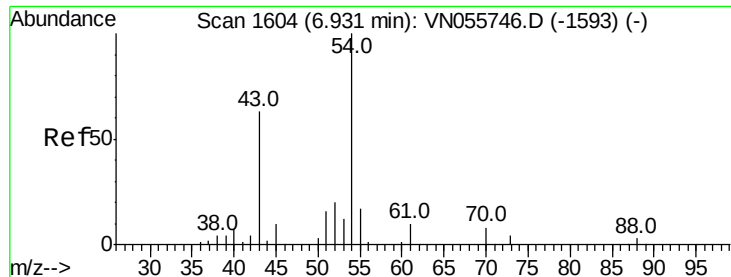


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0

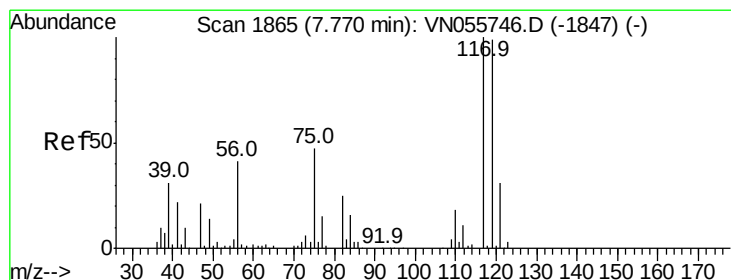
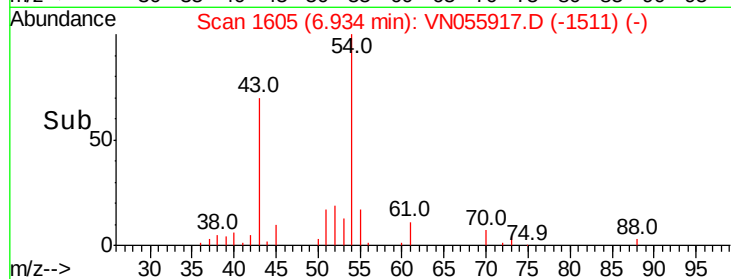
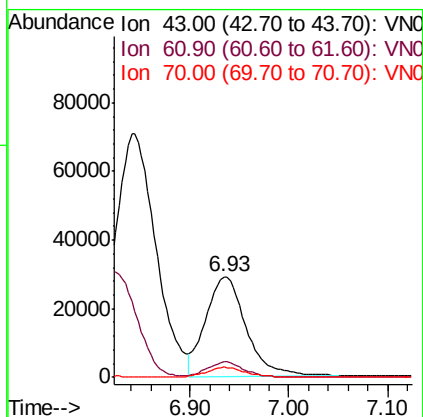
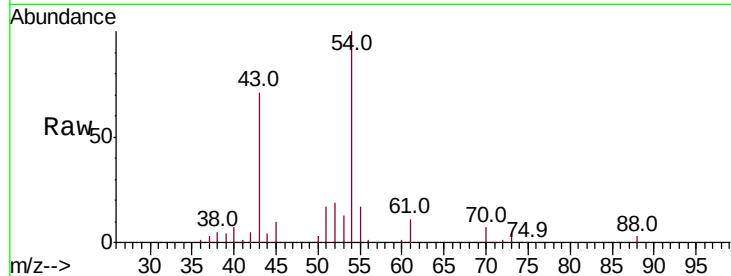




#37
Ethyl Acetate
Concen: 22.377 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN055917.D
Acq: 31 May 2019 14:18

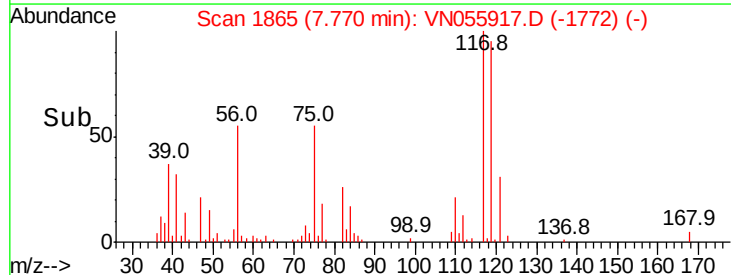
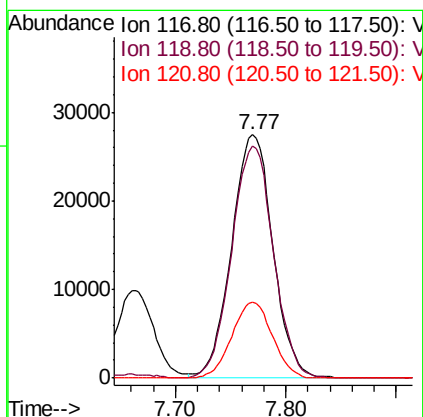
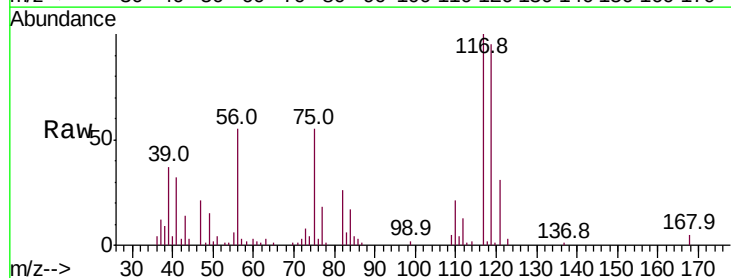
Instrument :
MSVOA_N
ClientSampleId :
VN0531WBSD01

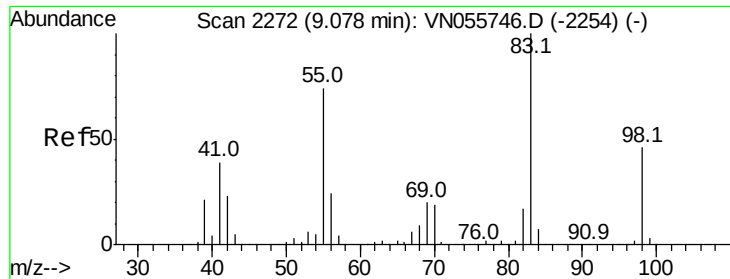
Tot Ion: 43 Resp: 82452
Ion Ratio Lower Upper
43 100
61 14.6 12.2 18.2
70 9.8 8.9 13.3



#38
Carbon Tetrachloride
Concen: 17.958 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN055917.D
Acq: 31 May 2019 14:18

Tgt Ion: 117 Resp: 71315
Ion Ratio Lower Upper
117 100
119 95.1 79.0 118.6
121 31.1 24.7 37.1

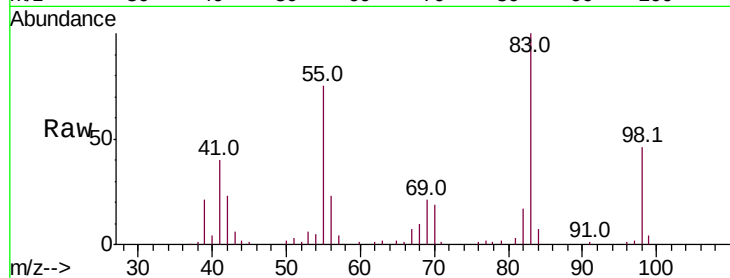




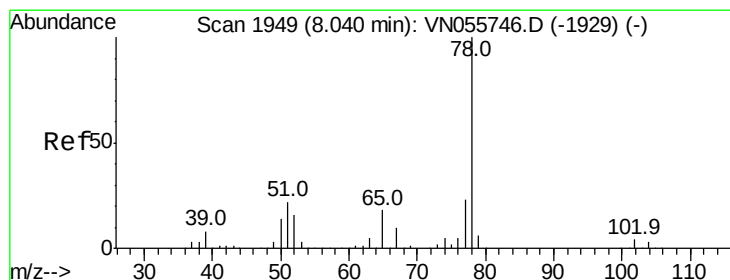
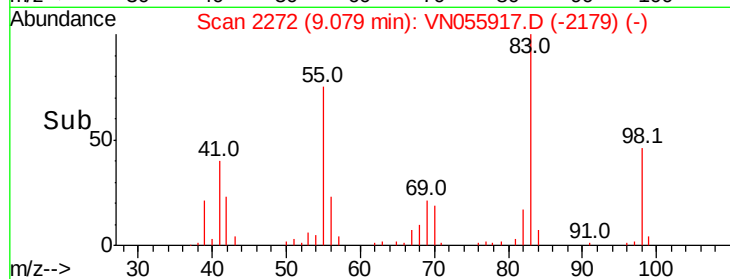
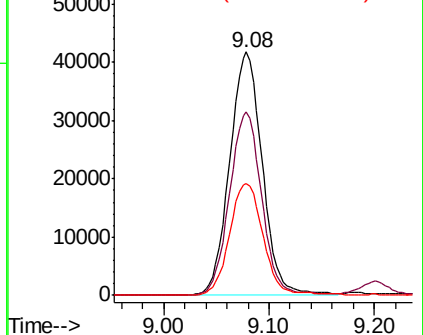
#39
Methylvlcyclohexane
Concen: 19.004 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN055917.D
Acq: 31 May 2019 14:18

Instrument :
MSVOA_N
ClientSampleId :
VN0531WBSD01

Tot Ion: 83 Resp: 89717
Ion Ratio Lower Upper
83 100
55 75.4 59.3 88.9
98 45.8 36.6 54.8

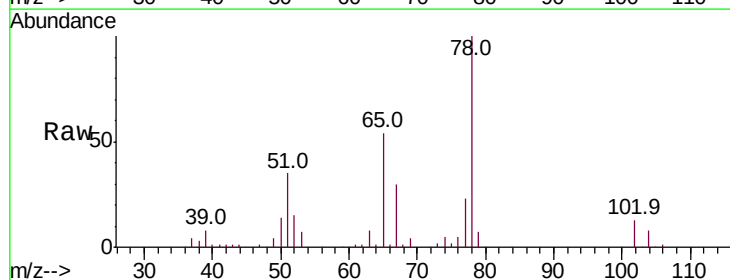


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

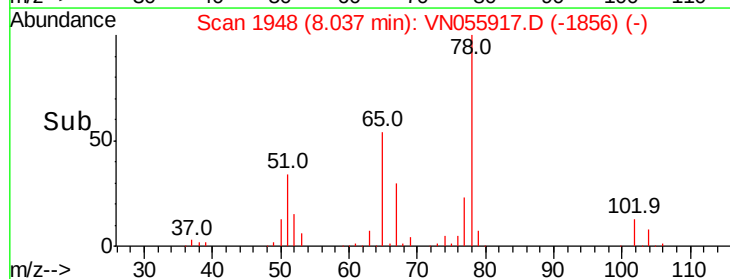
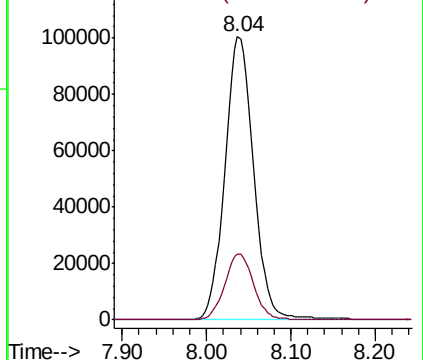


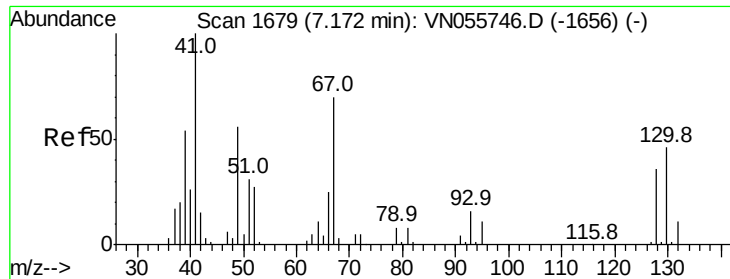
#40
Benzene
Concen: 20.694 ug/l
RT: 8.04 min Scan# 1948
Delta R.T. -0.00 min
Lab File: VN055917.D
Acq: 31 May 2019 14:18

Tgt Ion: 78 Resp: 237777
Ion Ratio Lower Upper
78 100
77 23.3 18.8 28.2



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

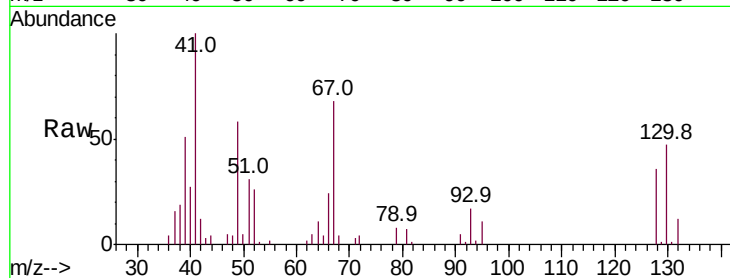




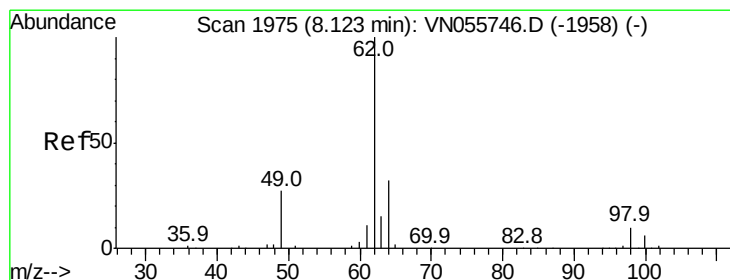
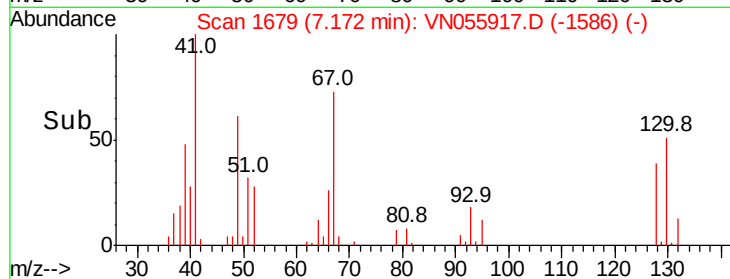
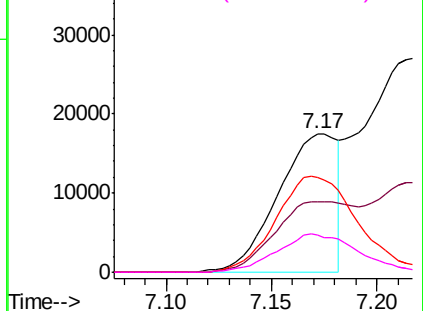
#41
Methacrylonitrile
Concen: 18.438 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN055917.D
Acq: 31 May 2019 14:18

Instrument :
MSVOA_N
ClientSampled :
VN0531WBSD01

Tot Ion: 41 Resp: 34323
Ion Ratio Lower Upper
41 100
39 67.6 45.6 68.4
67 96.2 67.7 101.5
52 38.0 26.6 40.0

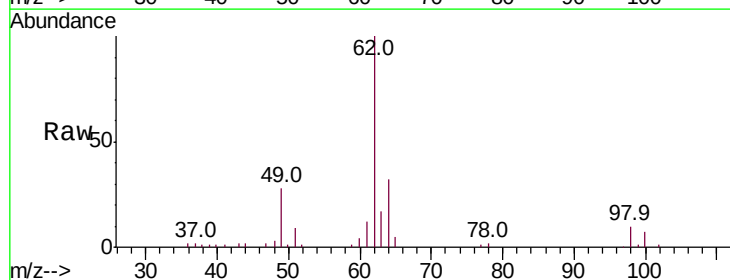


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

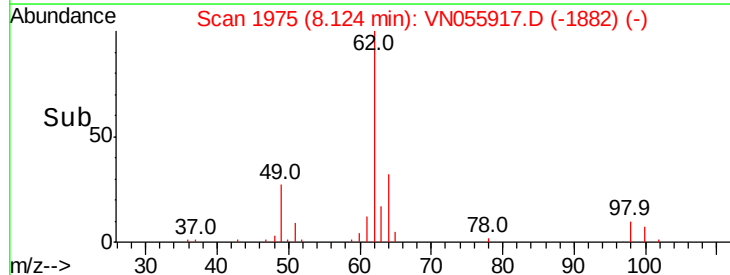
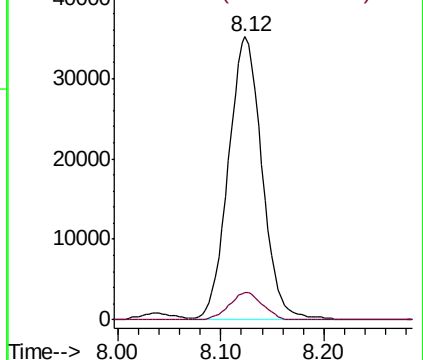


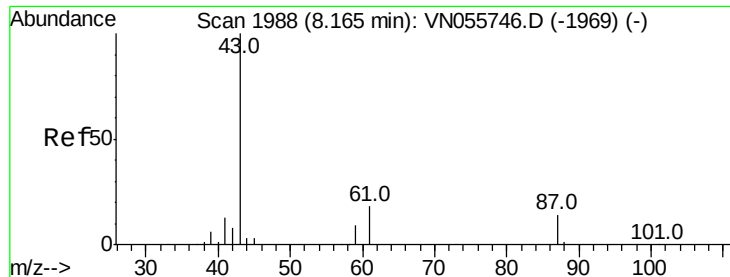
#42
1,2-Dichloroethane
Concen: 21.325 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055917.D
Acq: 31 May 2019 14:18

Tgt Ion: 62 Resp: 80066
Ion Ratio Lower Upper
62 100
98 9.4 0.0 20.2



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





#43

Isopropyl Acetate

Concen: 20.527 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055917.D

Acq: 31 May 2019 14:18

Instrument :

MSVOA_N

ClientSampleId :

VN0531WBSD01

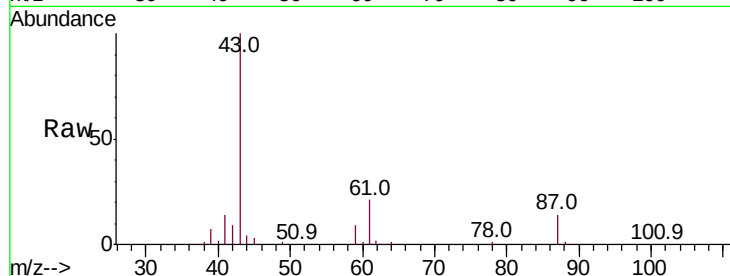
Tot Ion: 43 Resp: 127084

Ion Ratio Lower Upper

43 100

61 21.2 22.2 33.4#

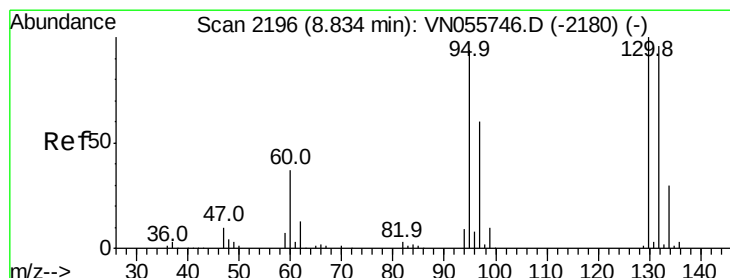
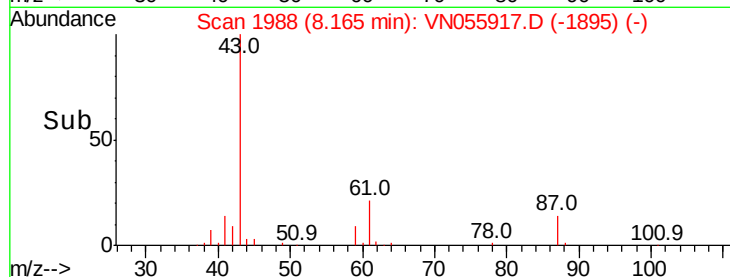
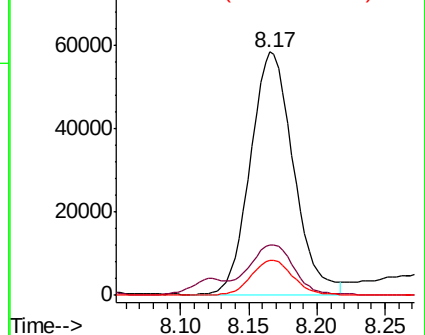
87 14.2 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VN055746.D (-1969) (-)

Ion 61.00 (60.70 to 61.70): VN055746.D (-1969) (-)

Ion 87.00 (86.70 to 87.70): VN055746.D (-1969) (-)



#44

Trichloroethene

Concen: 20.428 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN055917.D

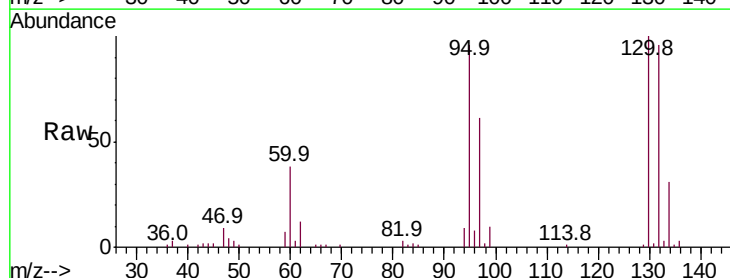
Acq: 31 May 2019 14:18

Tgt Ion:130 Resp: 65434

Ion Ratio Lower Upper

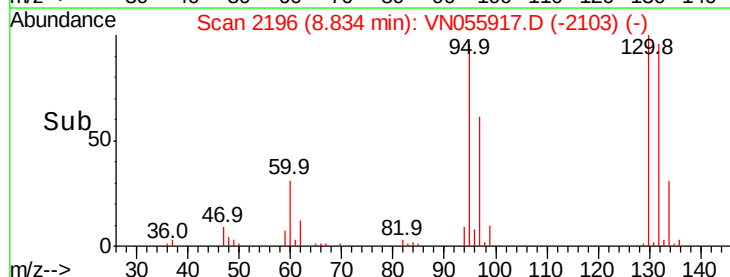
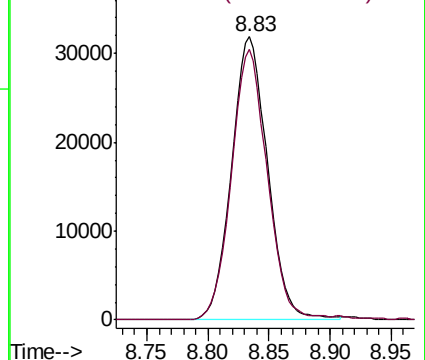
130 100

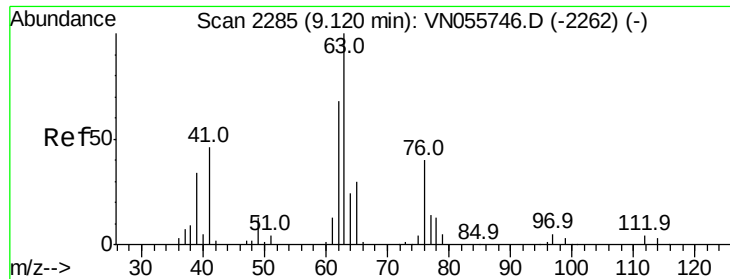
95 95.8 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): VN055746.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN055746.D (-2180) (-)

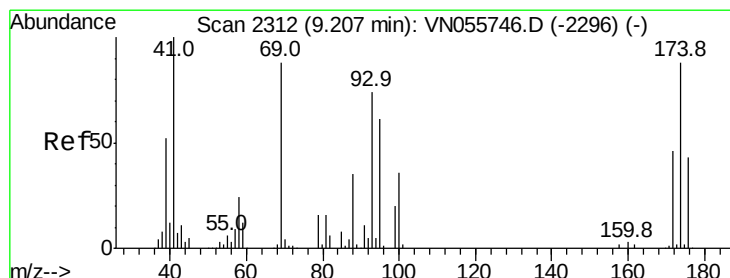
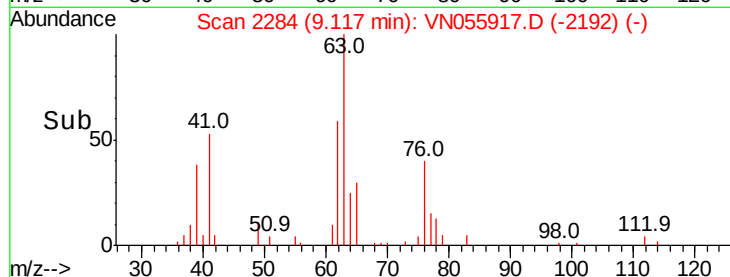
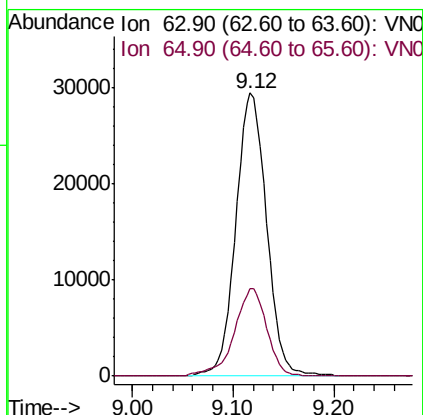
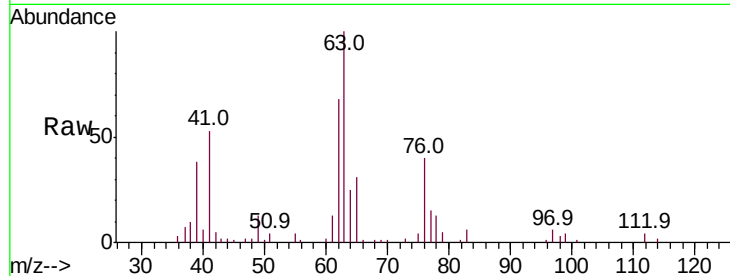




#45
 1,2-Dichloropropane
 Concen: 20.813 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN055917.D
 Acq: 31 May 2019 14:18

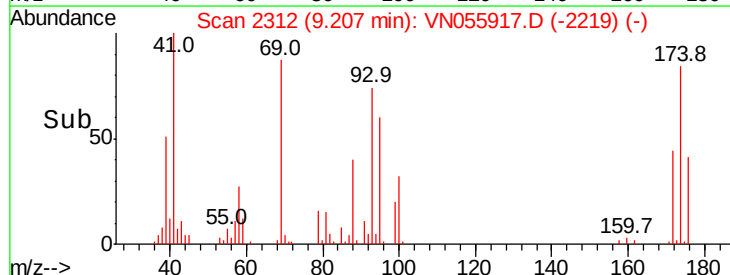
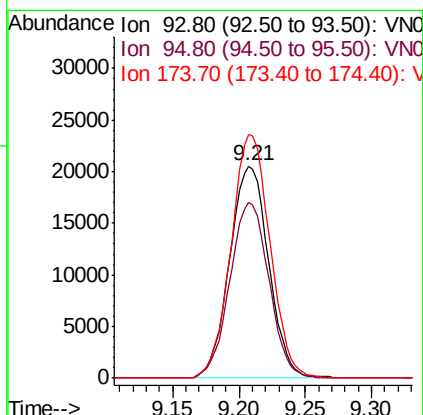
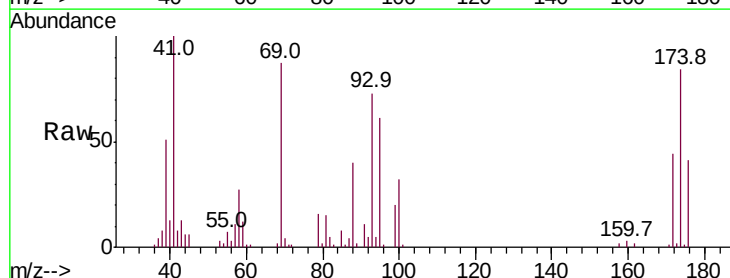
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0531WBSD01

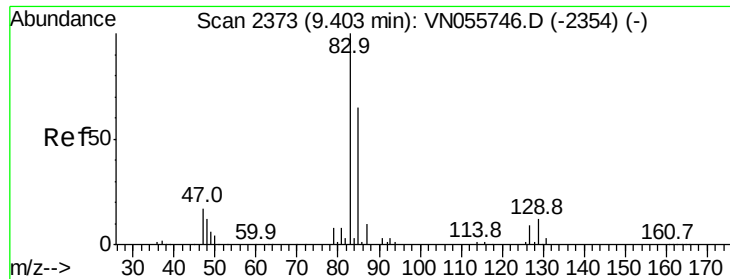
Tot Ion: 63 Resp: 62306
 Ion Ratio Lower Upper
 63 100
 65 30.8 24.6 36.8



#46
 Dibromomethane
 Concen: 21.413 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN055917.D
 Acq: 31 May 2019 14:18

Tgt Ion: 93 Resp: 42040
 Ion Ratio Lower Upper
 93 100
 95 82.8 66.7 100.1
 174 114.6 96.4 144.6





#47

Bromodichloromethane

Concen: 19.455 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055917.D

Acq: 31 May 2019 14:18

Instrument :

MSVOA_N

ClientSampleId :

VN0531WBSD01

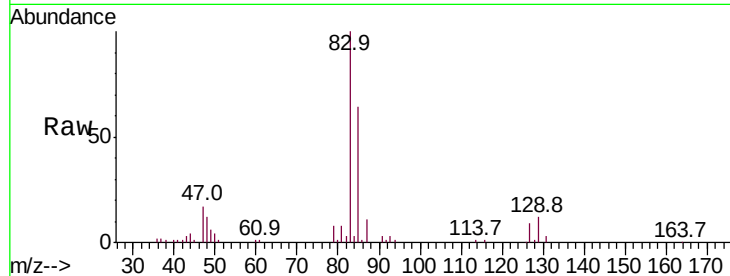
Tot Ion: 83 Resp: 78321

Ion Ratio Lower Upper

83 100

85 64.5 52.2 78.2

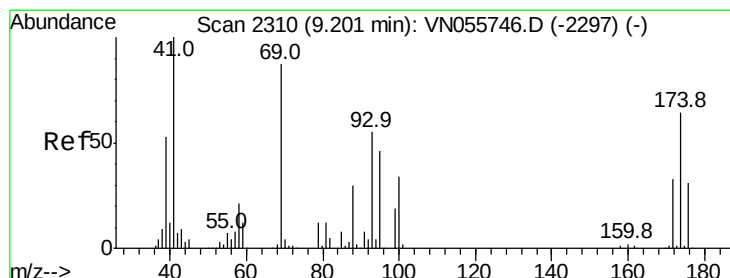
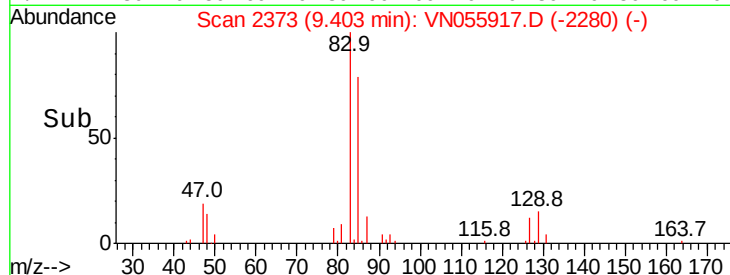
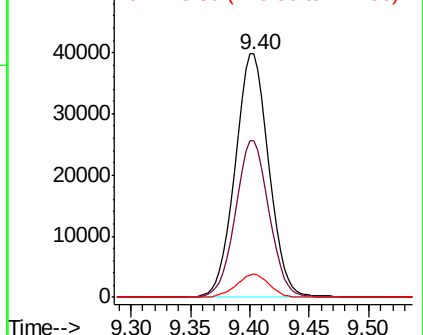
127 9.5 7.4 11.0



Abundance Ion 82.90 (82.60 to 83.60): VN055917.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN055917.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN055917.D (-2280) (-)



#48

Methyl methacrylate

Concen: 22.138 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055917.D

Acq: 31 May 2019 14:18

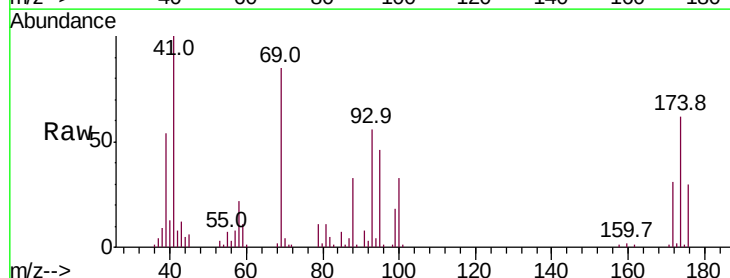
Tgt Ion: 41 Resp: 63165

Ion Ratio Lower Upper

41 100

69 87.7 71.0 106.6

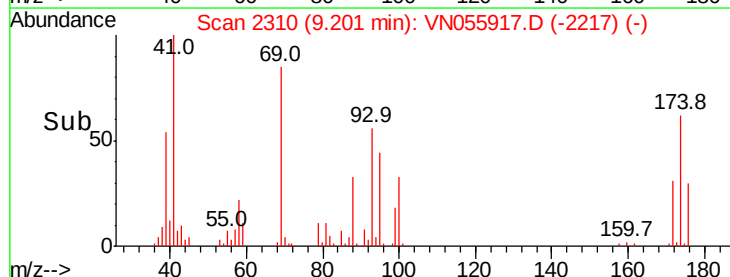
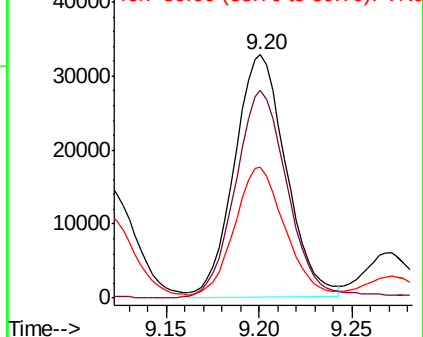
39 52.7 44.2 66.2

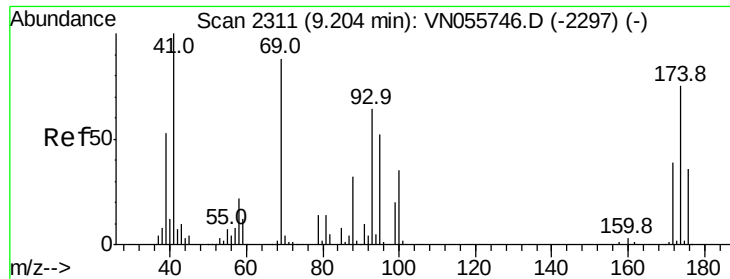


Abundance Ion 41.00 (40.70 to 41.70): VN055917.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN055917.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN055917.D (-2217) (-)





#49

1,4-Dioxane

Concen: 464.338 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN055917.D

Acq: 31 May 2019 14:18

Instrument :

MSVOA_N

ClientSampled :

VN0531WBSD01

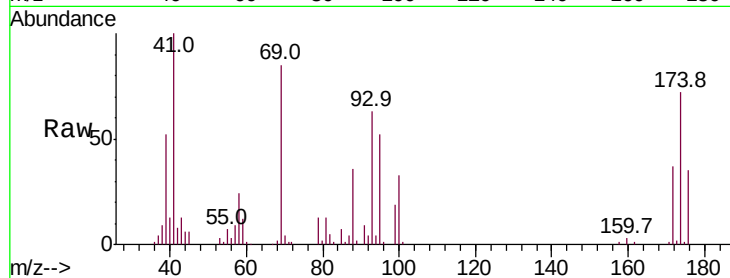
Tot Ion: 88 Resp: 27532

Ion Ratio Lower Upper

88 100

43 26.9 20.5 30.7

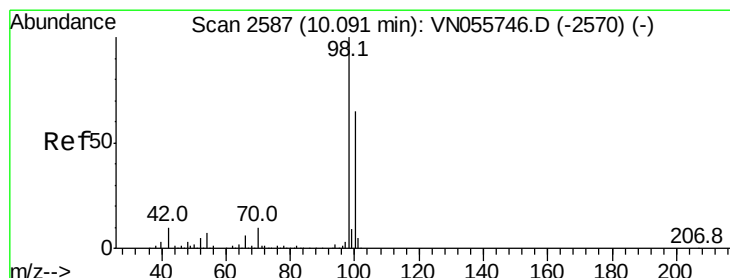
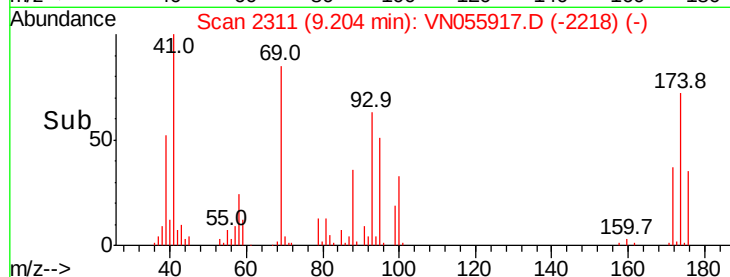
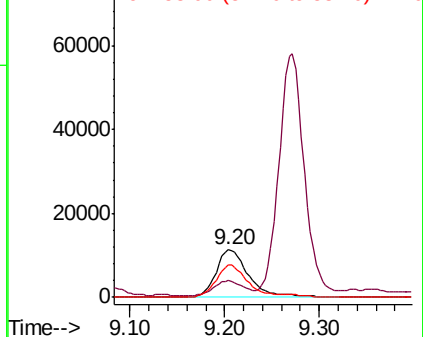
58 65.2 55.8 83.6



Abundance Ion 88.00 (87.70 to 88.70): VN055917.D (-2218) (-)

Ion 43.00 (42.70 to 43.70): VN055917.D (-2218) (-)

Ion 58.00 (57.70 to 58.70): VN055917.D (-2218) (-)



#50

Toluene-d8

Concen: 52.002 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN055917.D

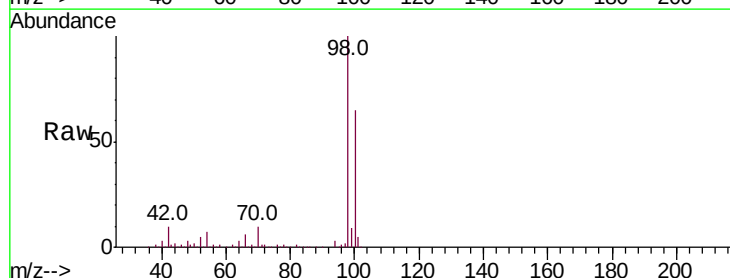
Acq: 31 May 2019 14:18

Tgt Ion: 98 Resp: 551722

Ion Ratio Lower Upper

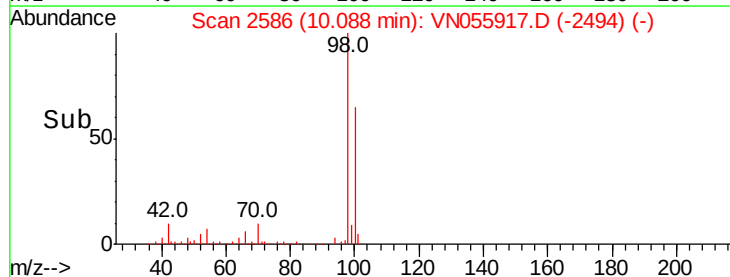
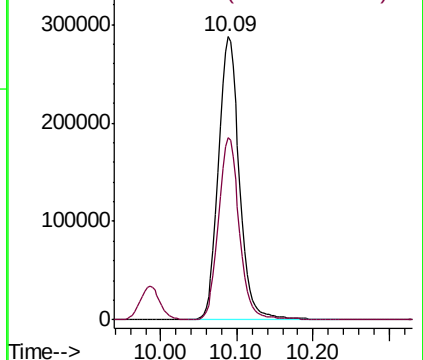
98 100

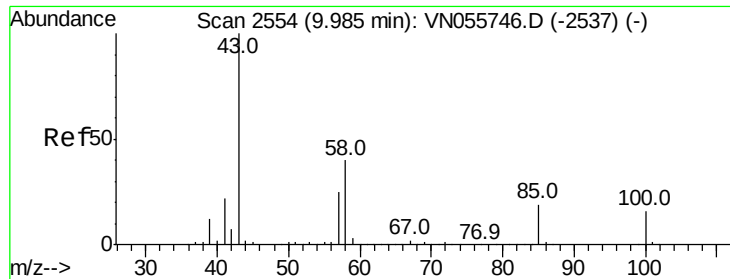
100 63.8 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN055917.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN055917.D (-2494) (-)





#51

4-Methyl-2-Pentanone

Concen: 109.461 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055917.D

Acq: 31 May 2019 14:18

Instrument :

MSVOA_N

ClientSampleId :

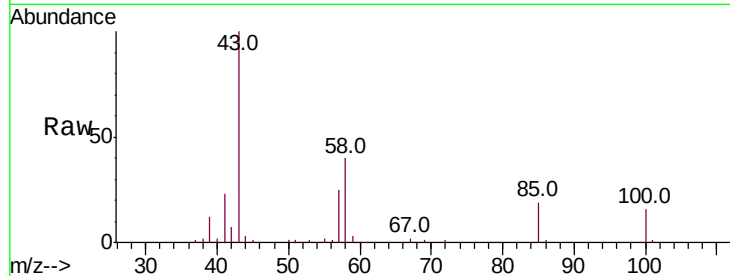
VN0531WBSD01

Tot Ion: 43 Resp: 400232

Ion Ratio Lower Upper

43 100

58 40.6 32.1 48.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.99

200000

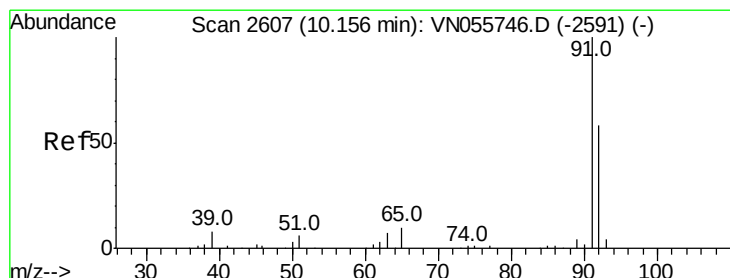
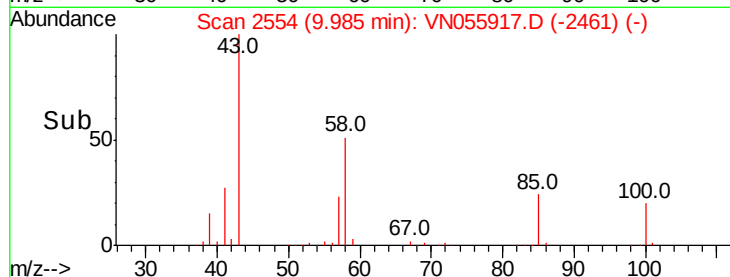
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 20.741 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055917.D

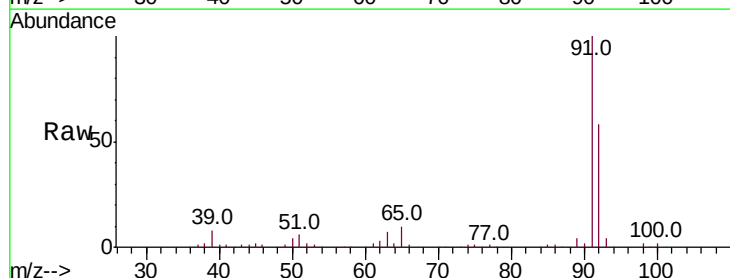
Acq: 31 May 2019 14:18

Tgt Ion: 92 Resp: 149880

Ion Ratio Lower Upper

92 100

91 172.8 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

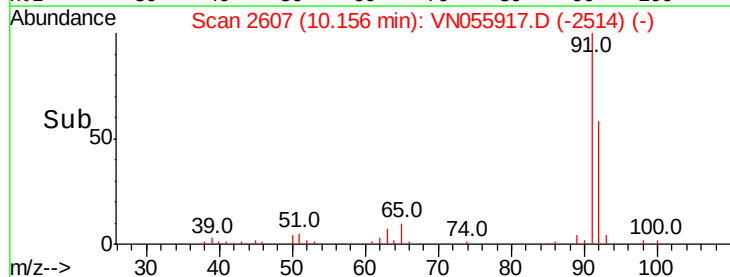
150000

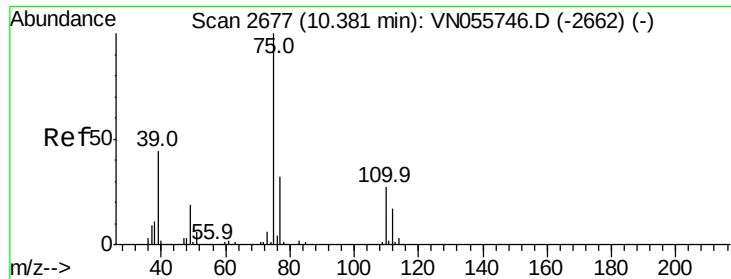
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 18.286 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN055917.D

Acq: 31 May 2019 14:18

Instrument :

MSVOA_N

ClientSampleId :

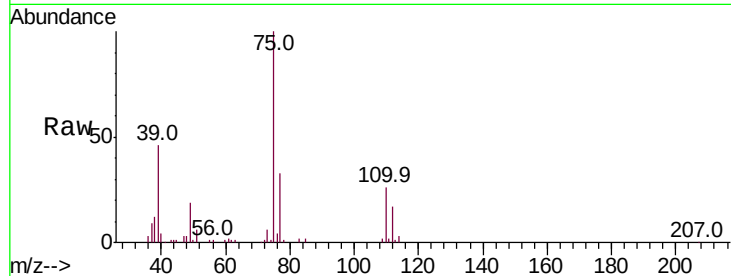
VN0531WBSD01

Tot Ion: 75 Resp: 78577

Ion Ratio Lower Upper

75 100

77 32.3 25.8 38.6



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

50000

40000

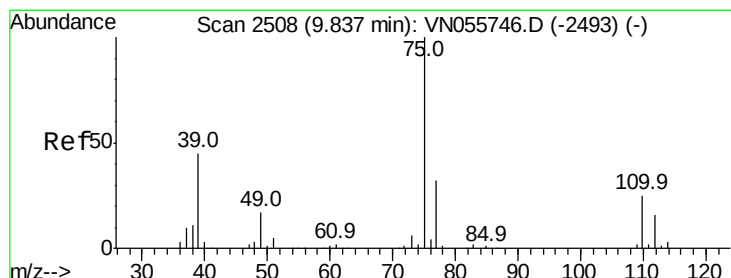
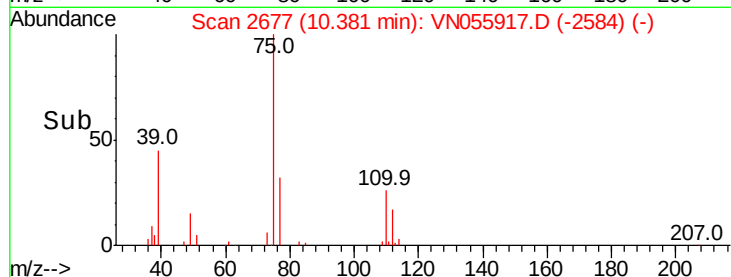
30000

20000

10000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 19.162 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. 0.00 min

Lab File: VN055917.D

Acq: 31 May 2019 14:18

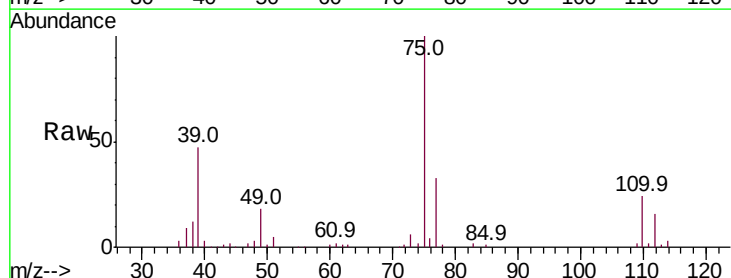
Tgt Ion: 75 Resp: 91216

Ion Ratio Lower Upper

75 100

77 33.1 25.4 38.0

39 46.6 36.3 54.5



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

60000

50000

40000

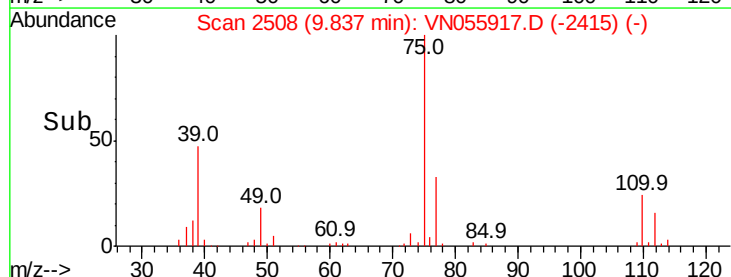
30000

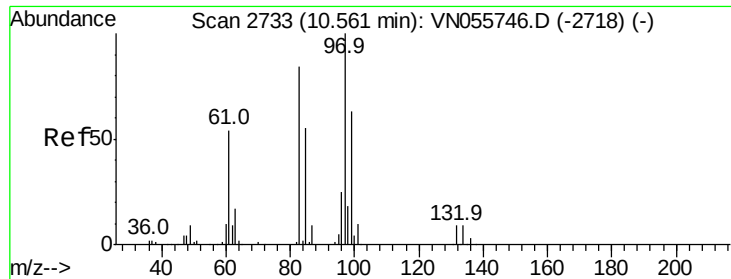
20000

10000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 21.722 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN055917.D

Acq: 31 May 2019 14:18

Instrument :

MSVOA_N

ClientSampleId :

VN0531WBSD01

Tot Ion: 97 Resp: 62883

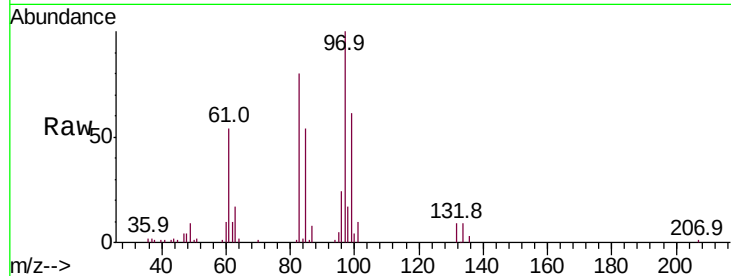
Ion Ratio Lower Upper

97 100

83 80.5 67.0 100.6

85 54.2 44.0 66.0

99 60.7 50.6 75.8

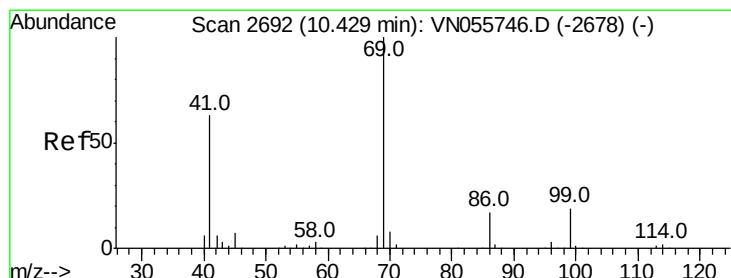
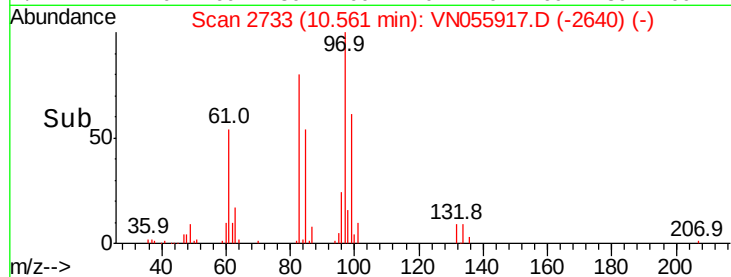
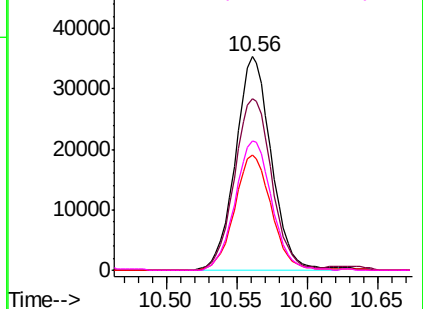


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 21.014 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN055917.D

Acq: 31 May 2019 14:18

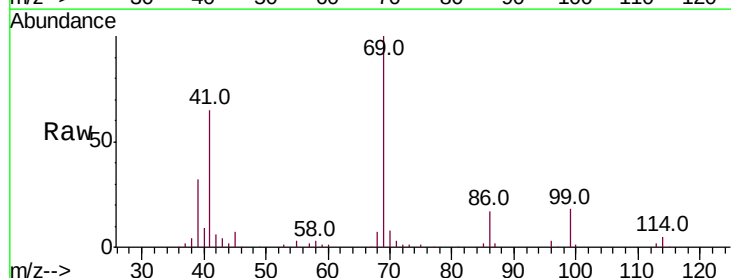
Tgt Ion: 69 Resp: 94016

Ion Ratio Lower Upper

69 100

41 65.2 49.7 74.5

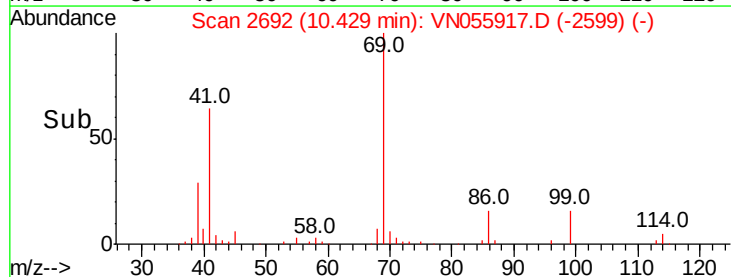
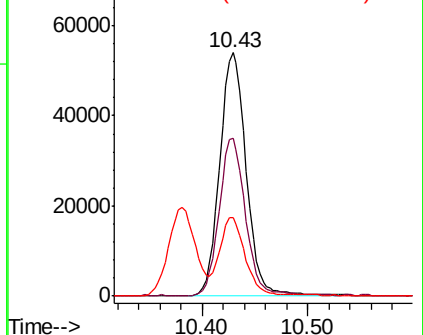
39 29.7 24.7 37.1

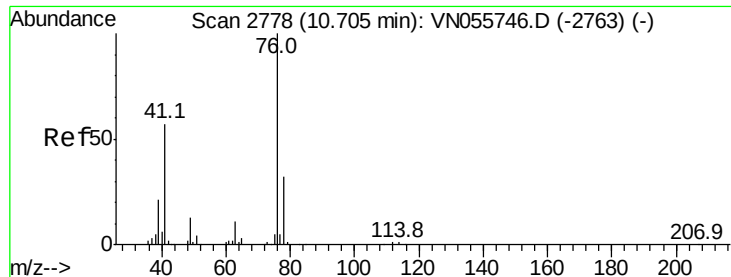


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 21.371 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN055917.D

Acq: 31 May 2019 14:18

Instrument :

MSVOA_N

ClientSampleId :

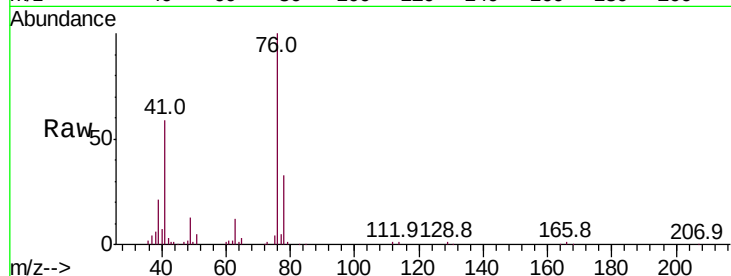
VN0531WBSD01

Tot Ion: 76 Resp: 100565

Ion Ratio Lower Upper

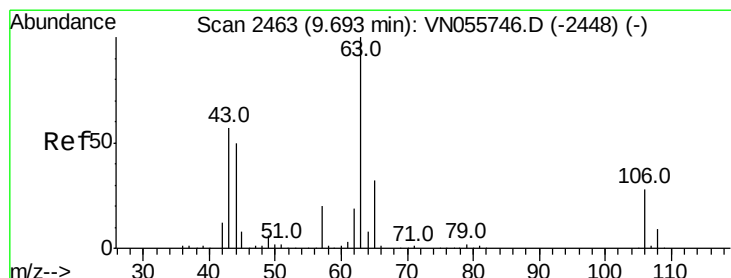
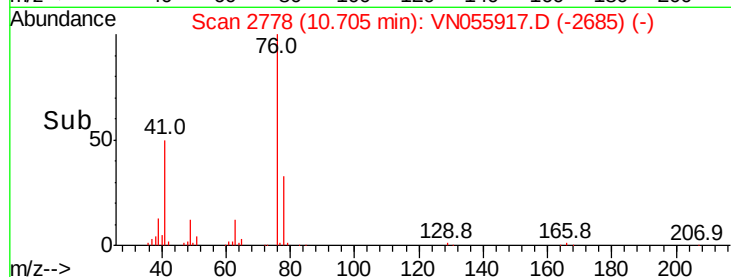
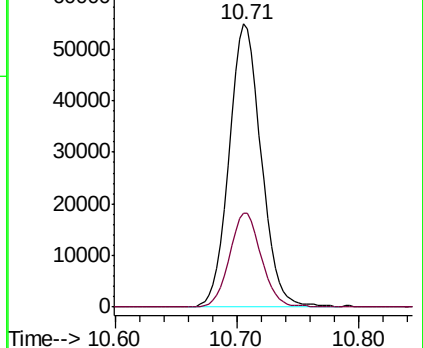
76 100

78 32.9 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 95.840 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN055917.D

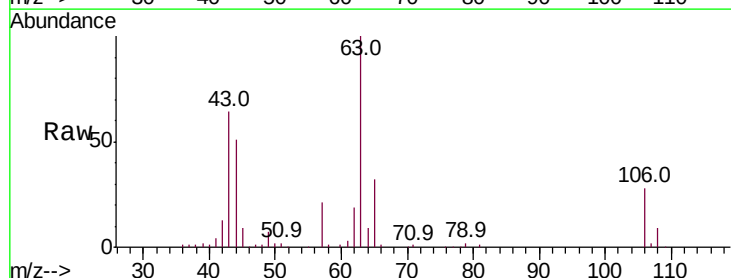
Acq: 31 May 2019 14:18

Tgt Ion: 63 Resp: 163867

Ion Ratio Lower Upper

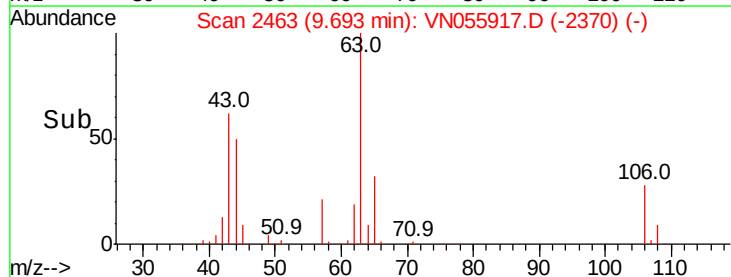
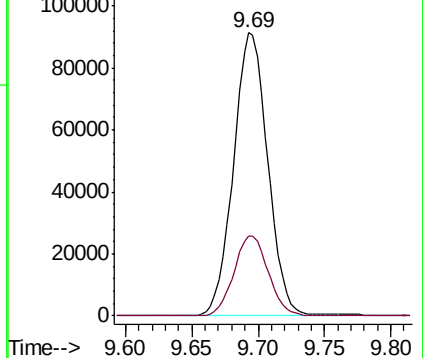
63 100

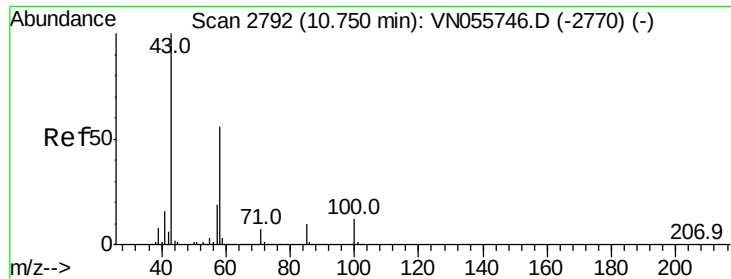
106 28.4 22.7 34.1



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

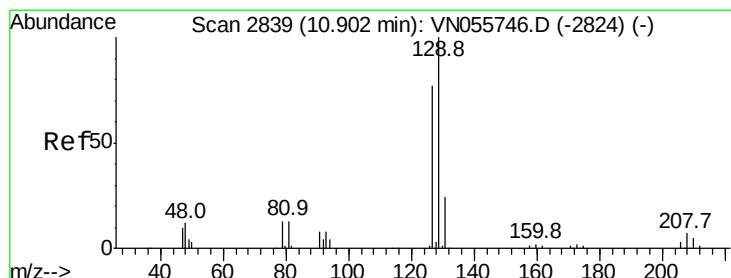
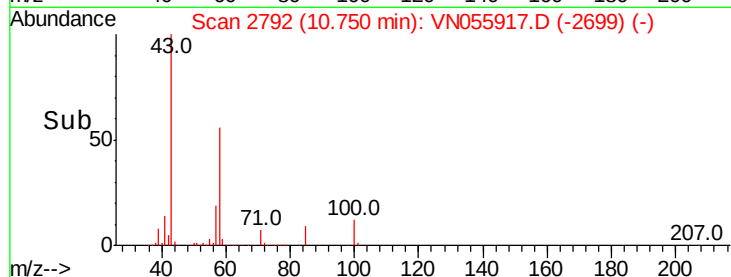
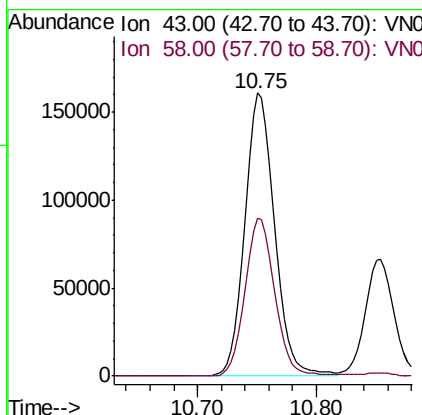
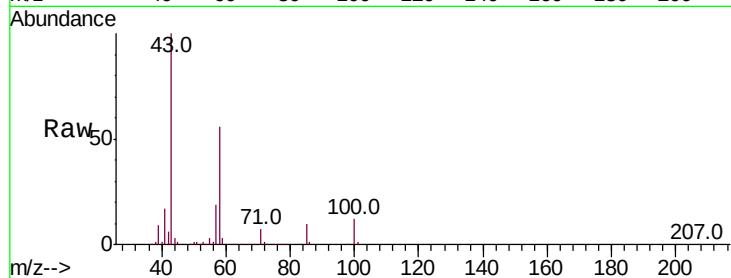




#59
2-Hexanone
Concen: 106.917 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055917.D
Acq: 31 May 2019 14:18

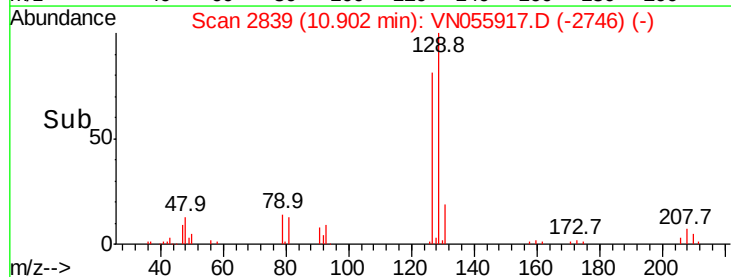
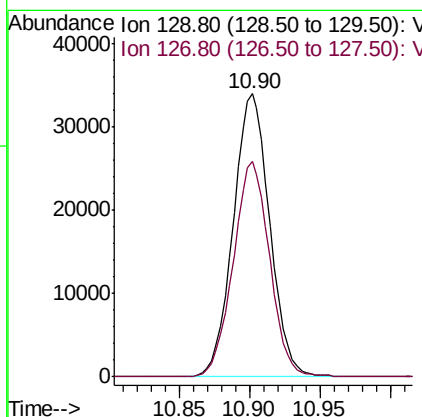
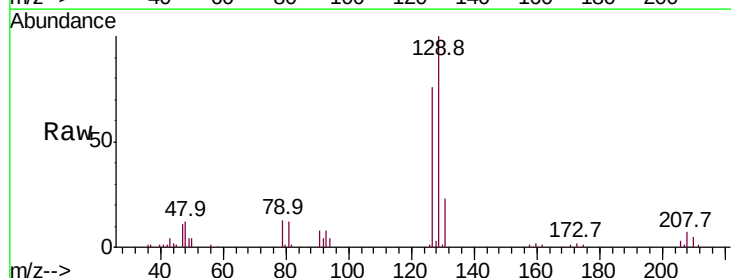
Instrument :
MSVOA_N
ClientSampleId :
VN0531WBSD01

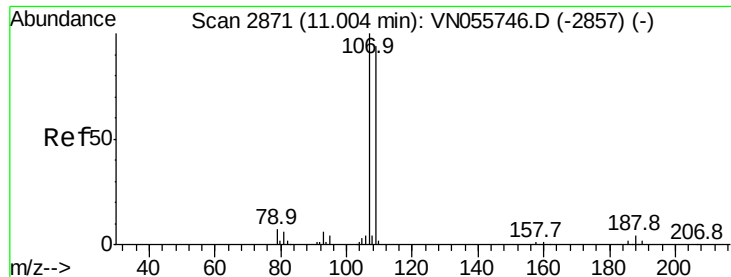
Tot Ion: 43 Resp: 277329
Ion Ratio Lower Upper
43 100
58 56.2 28.2 84.7



#60
Dibromochloromethane
Concen: 18.233 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055917.D
Acq: 31 May 2019 14:18

Tgt Ion: 129 Resp: 61491
Ion Ratio Lower Upper
129 100
127 76.0 38.1 114.3





#61

1,2-Dibromoethane

Concen: 21.080 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN055917.D

Acq: 31 May 2019 14:18

Instrument :

MSVOA_N

ClientSampleId :

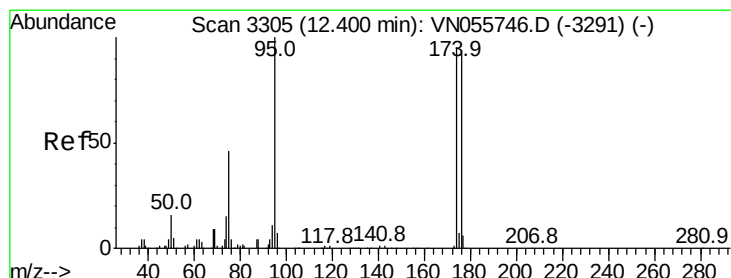
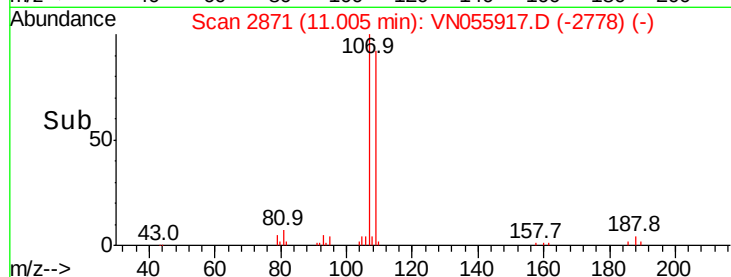
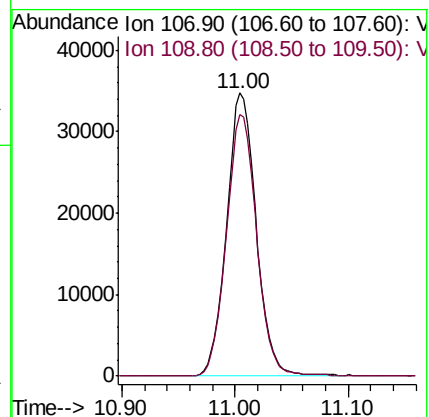
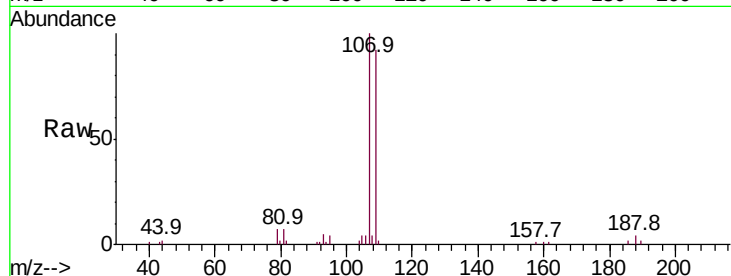
VN0531WBSD01

Tot Ion:107 Resp: 63300

Ion Ratio Lower Upper

107 100

109 93.9 74.8 112.2



#62

4-Bromofluorobenzene

Concen: 50.151 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055917.D

Acq: 31 May 2019 14:18

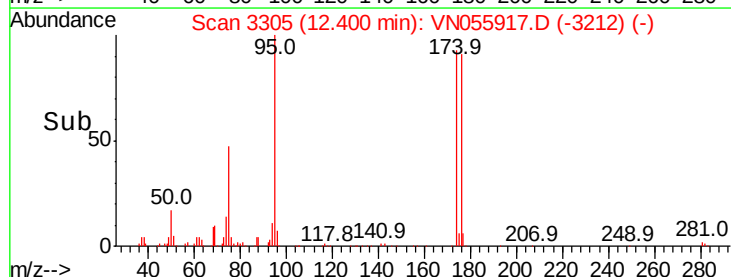
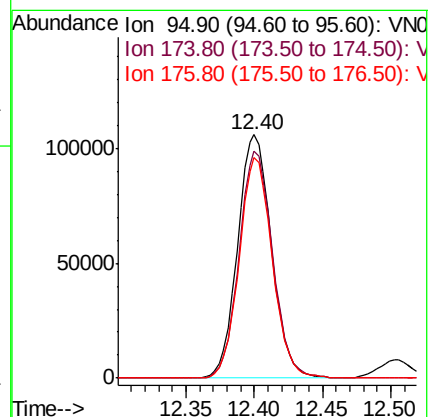
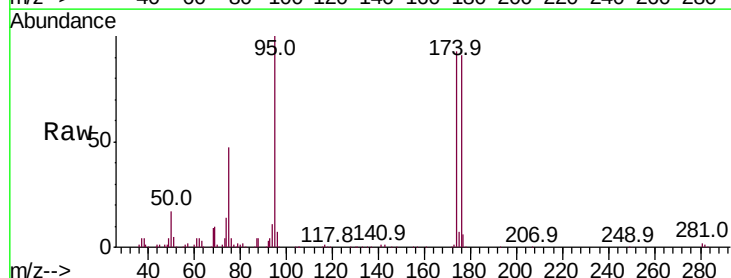
Tgt Ion: 95 Resp: 182447

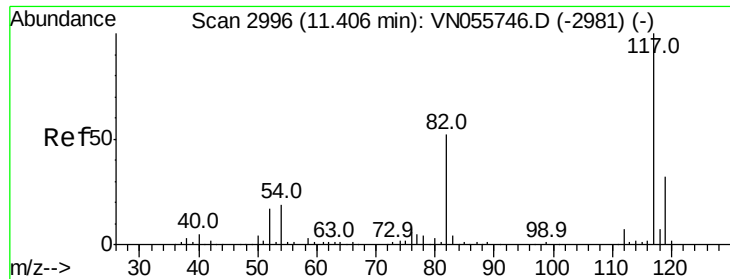
Ion Ratio Lower Upper

95 100

174 92.4 0.0 191.0

176 88.9 0.0 185.2

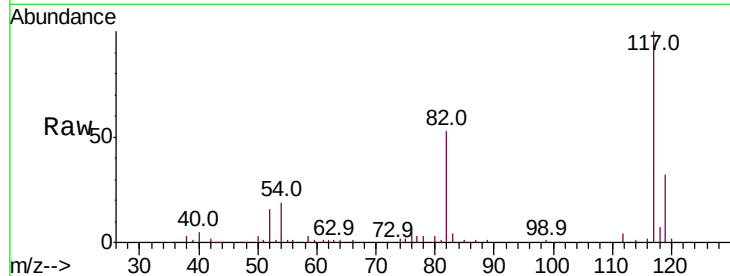




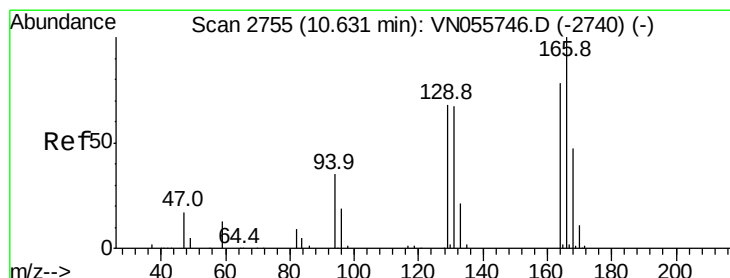
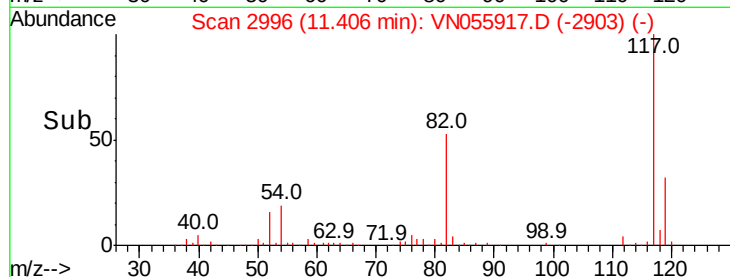
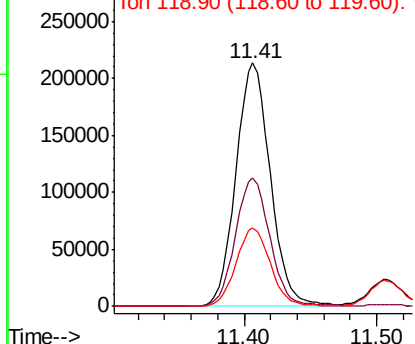
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055917.D
Acq: 31 May 2019 14:18

Instrument :
MSVOA_N
ClientSampled :
VN0531WBSD01

Tot Ion:117 Resp: 385585
Ion Ratio Lower Upper
117 100
82 52.7 41.8 62.8
119 32.0 25.4 38.0

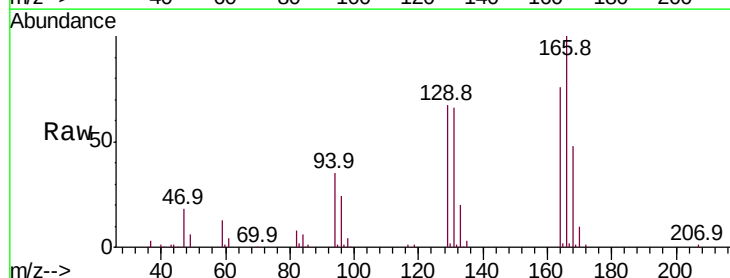


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

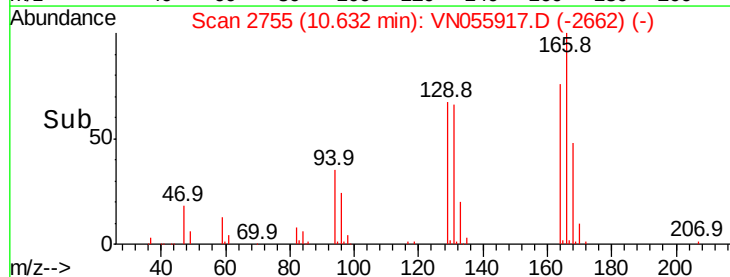
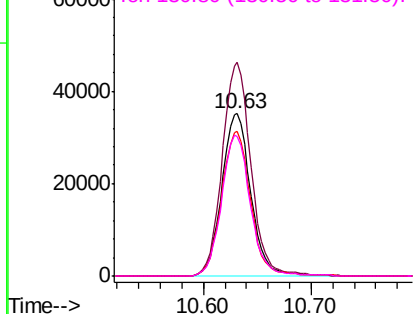


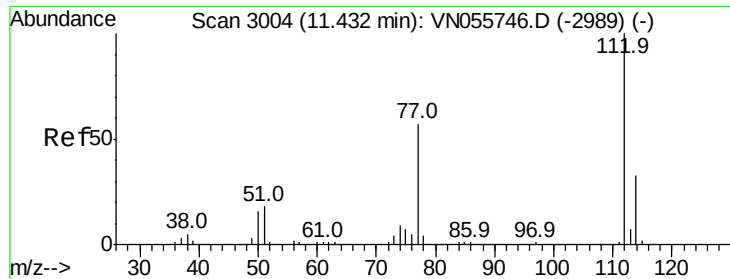
#64
Tetrachloroethene
Concen: 20.243 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055917.D
Acq: 31 May 2019 14:18

Tgt Ion:164 Resp: 65831
Ion Ratio Lower Upper
164 100
166 131.8 103.0 154.6
129 89.0 70.6 105.8
131 86.5 68.6 102.8



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

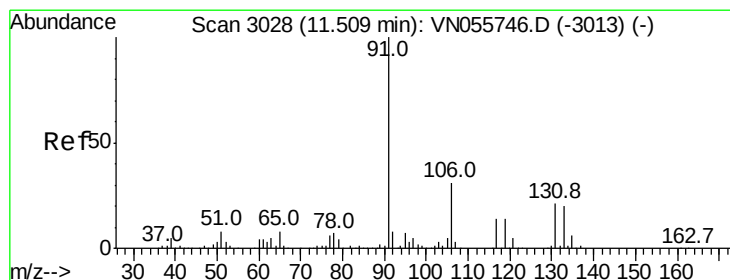
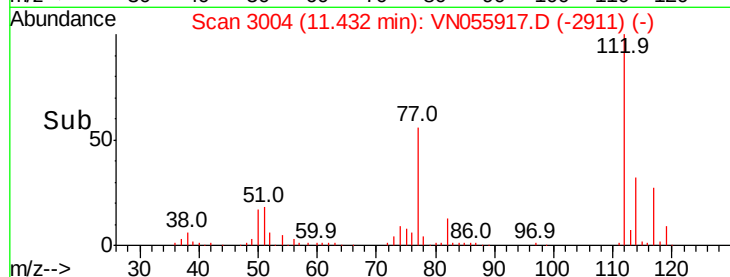
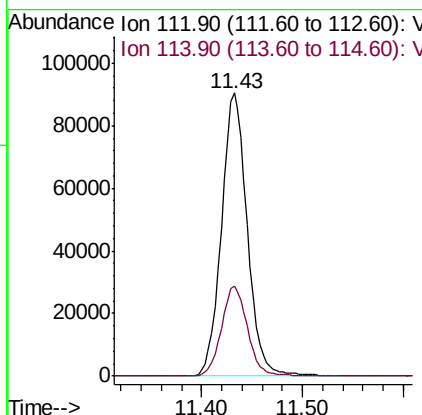
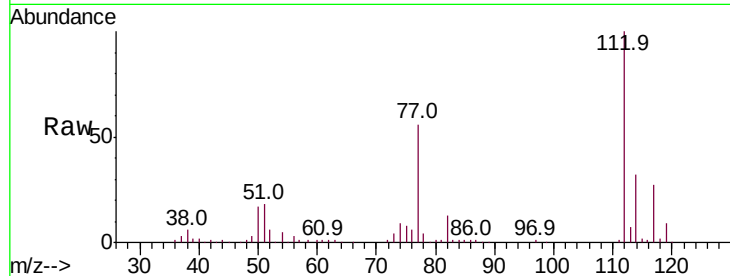




#65
Chlorobenzene
Concen: 20.917 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055917.D
Acq: 31 May 2019 14:18

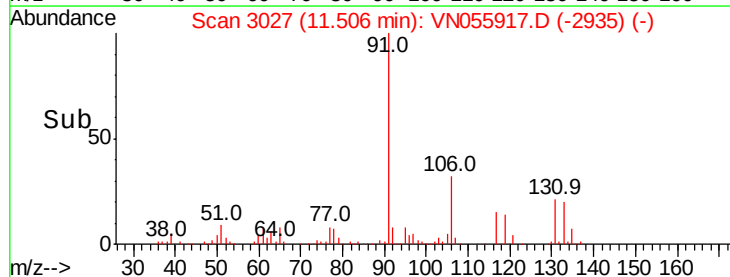
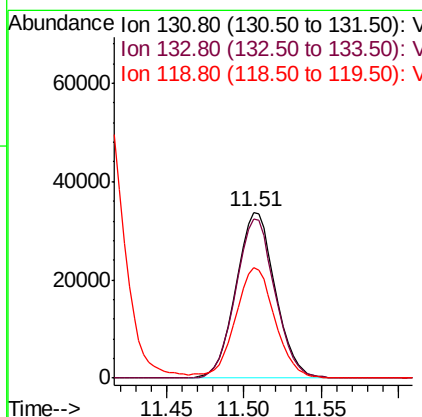
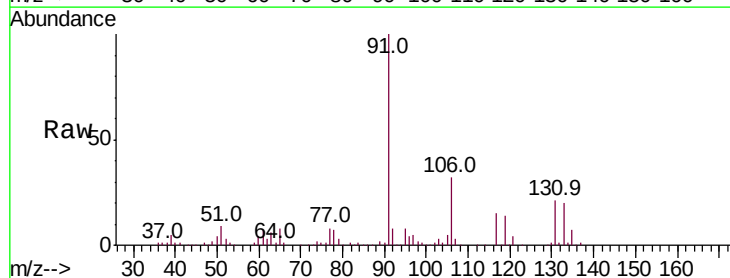
Instrument :
MSVOA_N
ClientSampled :
VN0531WBSD01

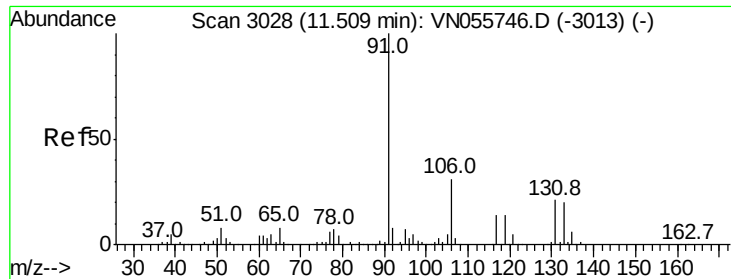
Tot Ion:112 Resp: 161455
Ion Ratio Lower Upper
112 100
114 31.7 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 19.341 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN055917.D
Acq: 31 May 2019 14:18

Tgt Ion:131 Resp: 59542
Ion Ratio Lower Upper
131 100
133 95.9 48.0 144.0
119 67.0 33.1 99.5





#67

Ethyl Benzene

Concen: 20.422 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN055917.D

Acq: 31 May 2019 14:18

Instrument :

MSVOA_N

ClientSampled :

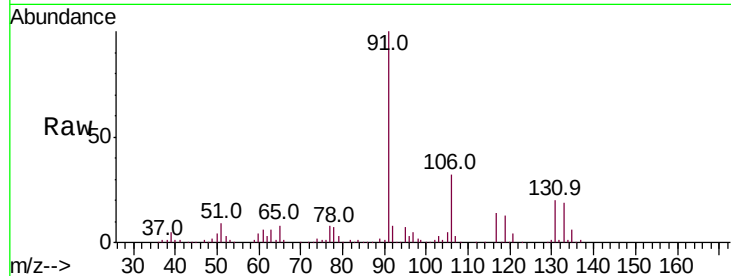
VN0531WBSD01

Tot Ion: 91 Resp: 282693

Ion Ratio Lower Upper

91 100

106 32.1 25.1 37.7



Abundance Ion 91.00 (90.70 to 91.70): VN055917.D (-2935) (-)

Ion 106.00 (105.70 to 106.70): VN055917.D (-2935) (-)

250000

200000

150000

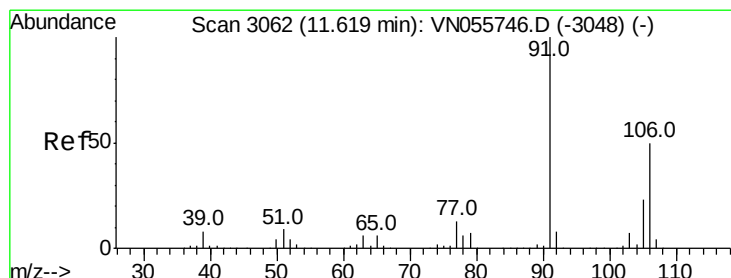
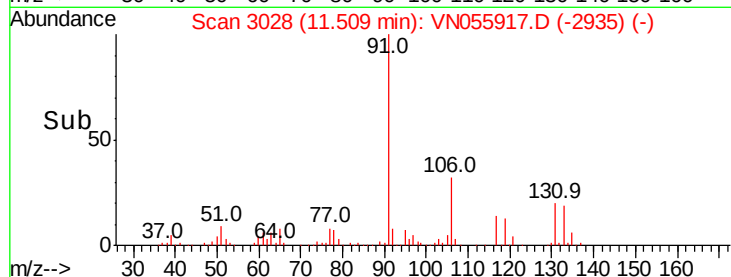
100000

50000

0

11.45 11.50 11.55 11.60

Time-->



#68

m/p-Xylenes

Concen: 40.663 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN055917.D

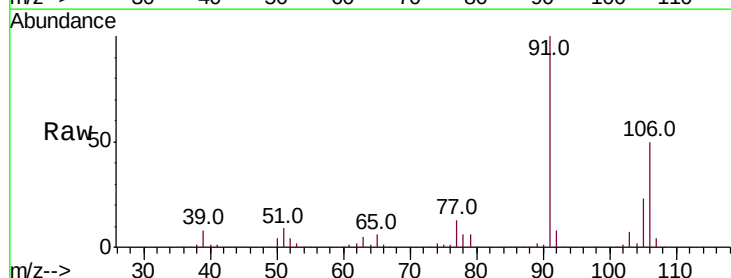
Acq: 31 May 2019 14:18

Tgt Ion: 106 Resp: 212795

Ion Ratio Lower Upper

106 100

91 198.2 159.3 238.9



Abundance Ion 106.00 (105.70 to 106.70): VN055917.D (-2969) (-)

Ion 91.00 (90.70 to 91.70): VN055917.D (-2969) (-)

250000

200000

150000

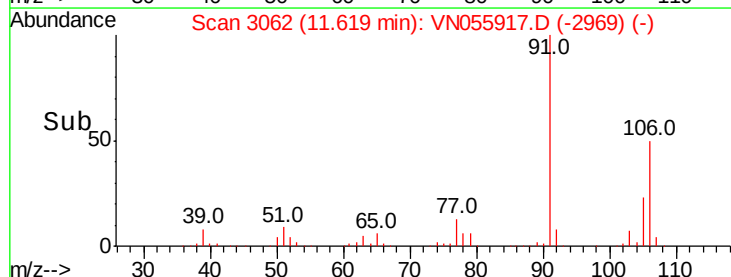
100000

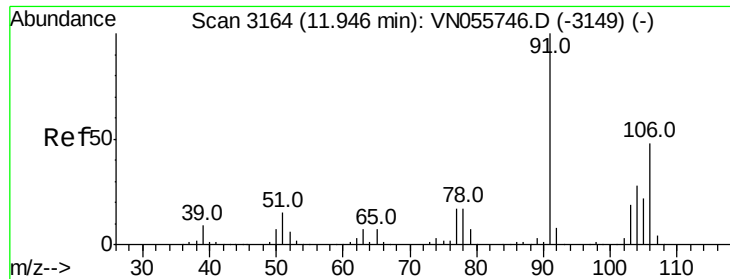
50000

0

11.60 11.62 11.64 11.66 11.68 11.70

Time-->

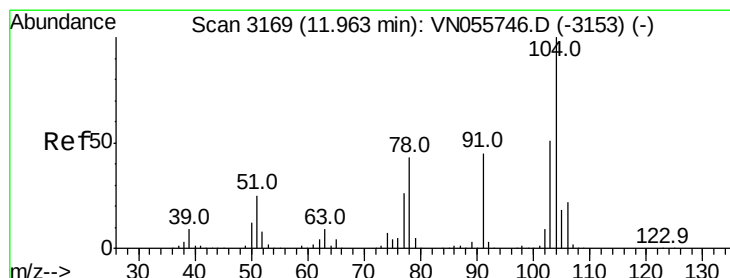
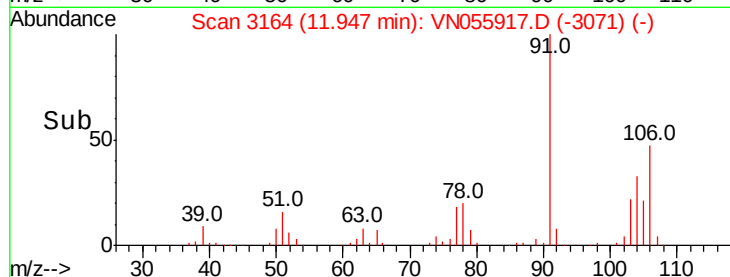
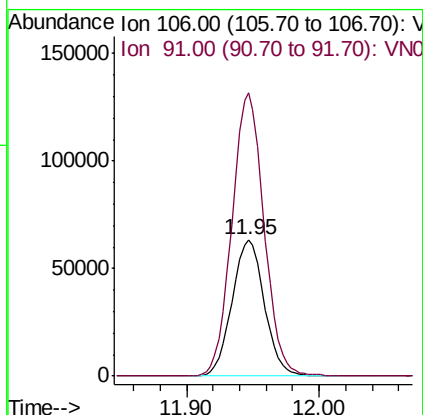
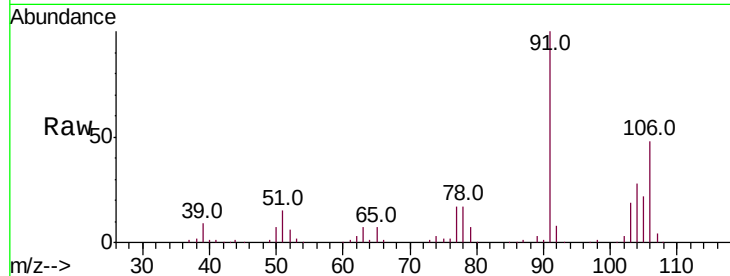




#69
o-Xylene
Concen: 20.700 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055917.D
Acq: 31 May 2019 14:18

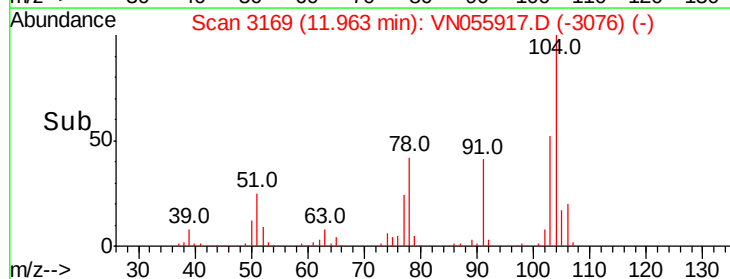
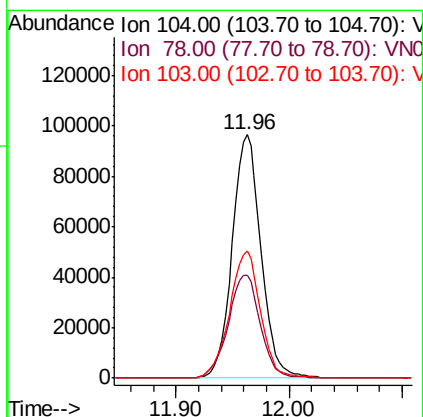
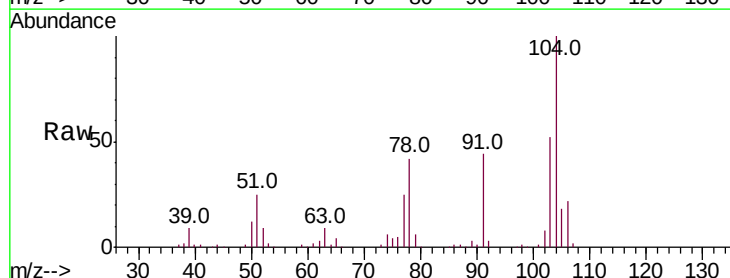
Instrument :
MSVOA_N
ClientSampled :
VN0531WBSD01

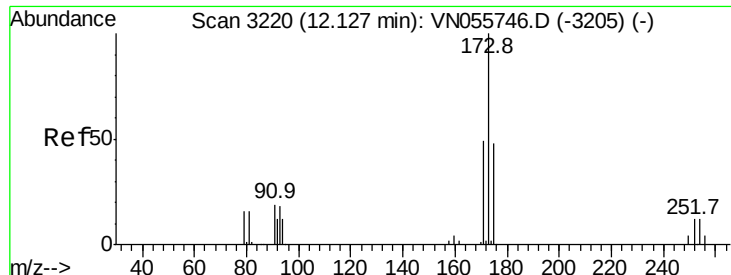
Tot Ion:106 Resp: 107475
Ion Ratio Lower Upper
106 100
91 205.5 104.7 314.1



#70
Styrene
Concen: 20.323 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055917.D
Acq: 31 May 2019 14:18

Tgt Ion:104 Resp: 170871
Ion Ratio Lower Upper
104 100
78 47.2 37.8 56.6
103 56.0 44.2 66.2





#71

Bromoform

Concen: 16.152 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055917.D

Acq: 31 May 2019 14:18

Instrument :

MSVOA_N

ClientSampleId :

VN0531WBSD01

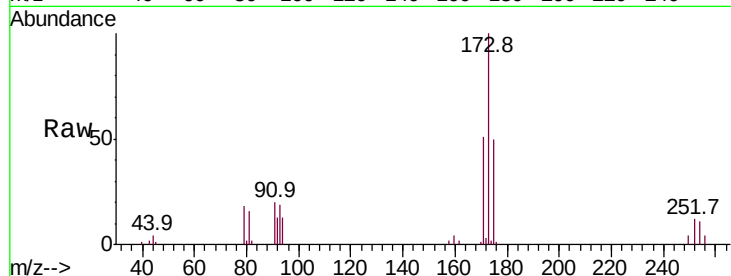
Tot Ion:173 Resp: 42415

Ion Ratio Lower Upper

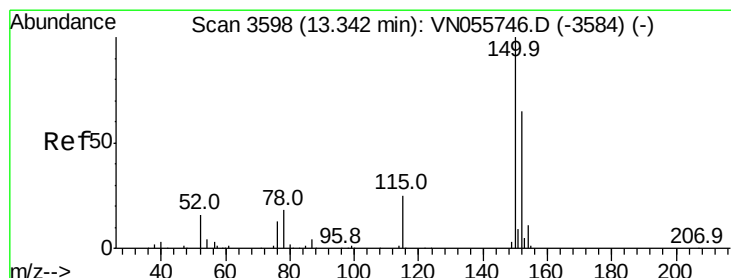
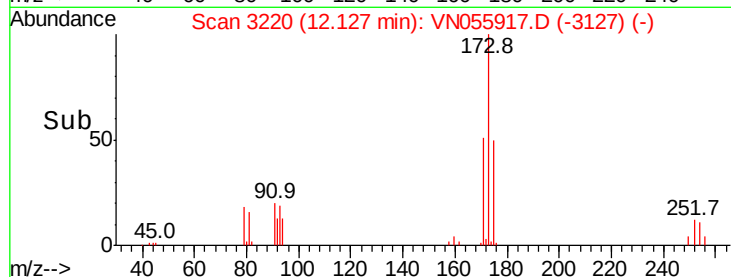
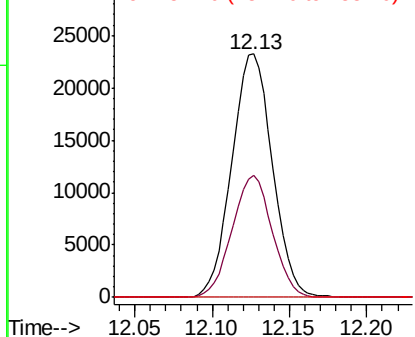
173 100

175 49.2 24.3 72.8

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: VN055917.D

Acq: 31 May 2019 14:18

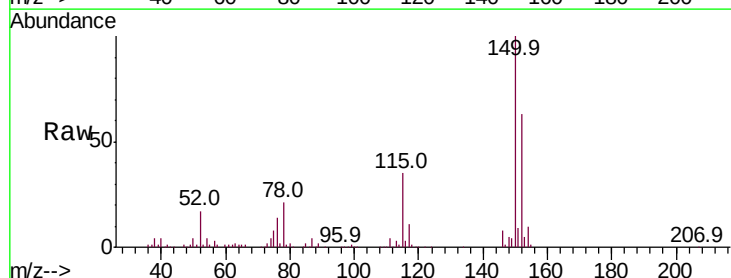
Tgt Ion:152 Resp: 156698

Ion Ratio Lower Upper

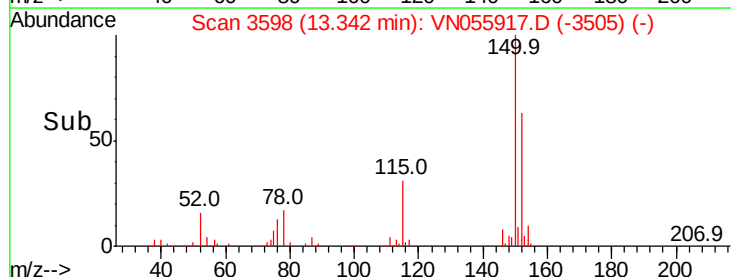
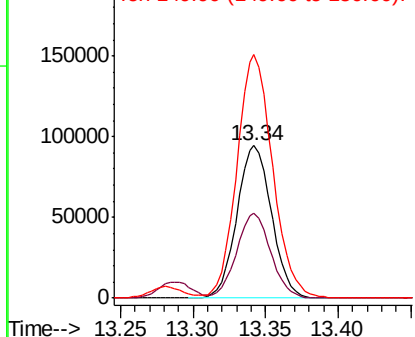
152 100

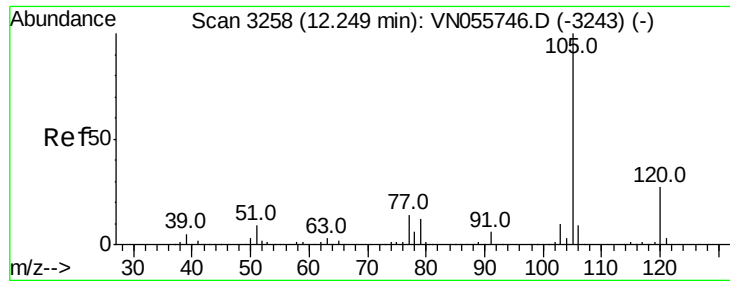
115 54.8 27.0 81.0

150 164.4 0.0 343.2



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





#73

Isopropylbenzene

Concen: 23.931 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055917.D

Acq: 31 May 2019 14:18

Instrument :

MSVOA_N

ClientSampleId :

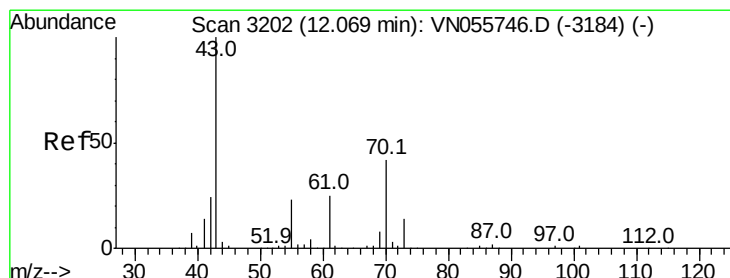
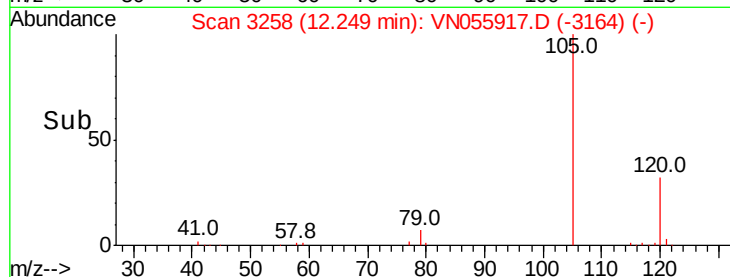
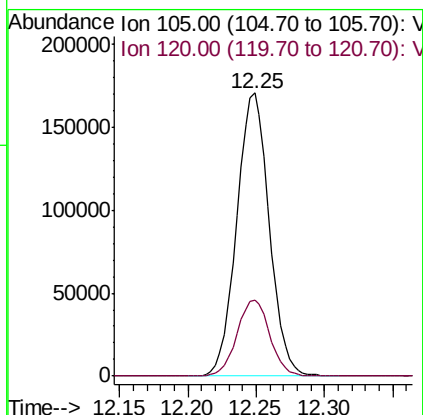
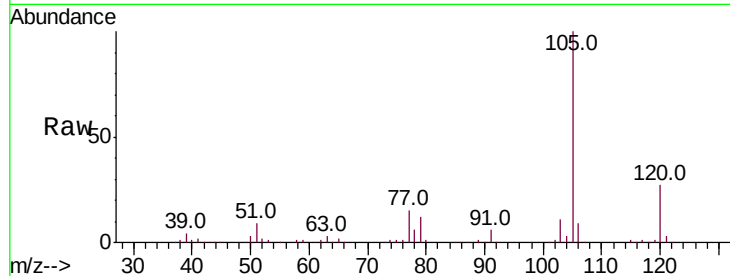
VN0531WBSD01

Tot Ion:105 Resp: 282242

Ion Ratio Lower Upper

105 100

120 27.0 13.6 40.7



#74

N-ethyl acetate

Concen: 22.580 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055917.D

Acq: 31 May 2019 14:18

Tgt Ion: 43 Resp: 101114

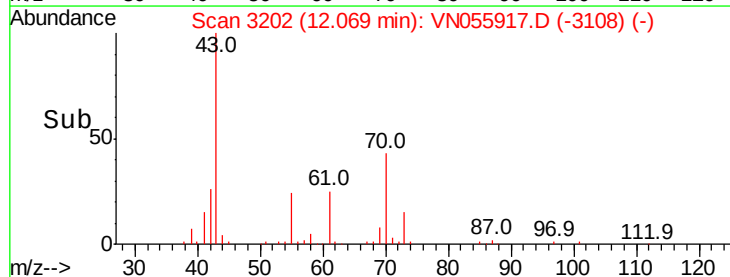
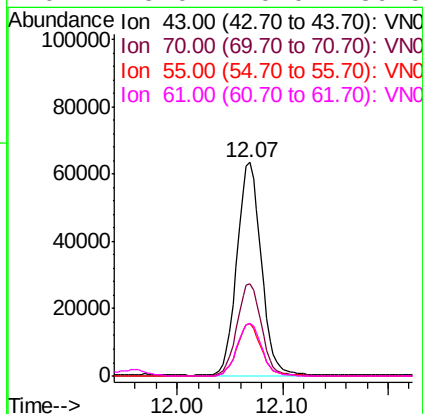
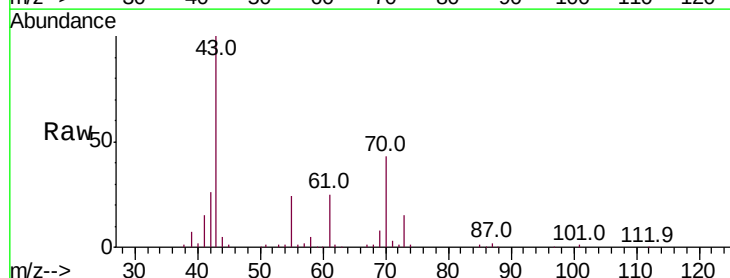
Ion Ratio Lower Upper

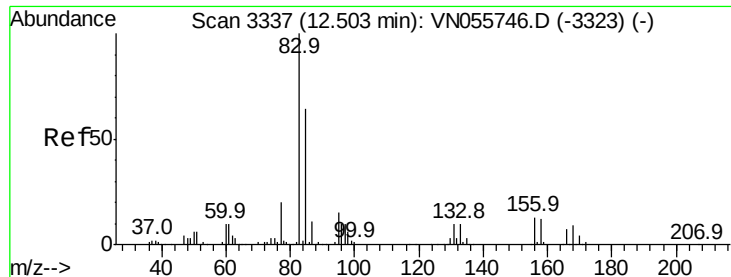
43 100

70 43.6 34.0 51.0

55 24.6 18.6 28.0

61 25.0 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 24.881 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055917.D

Acq: 31 May 2019 14:18

Instrument :

MSVOA_N

ClientSampled :

VN0531WBSD01

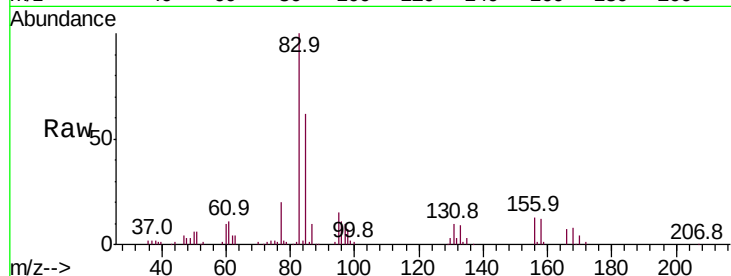
Tot Ion: 83 Resp: 87632

Ion Ratio Lower Upper

83 100

131 10.9 5.4 16.2

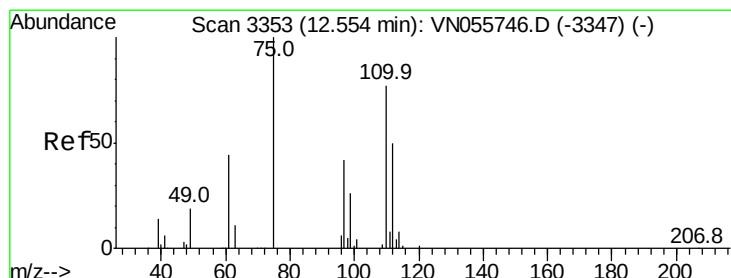
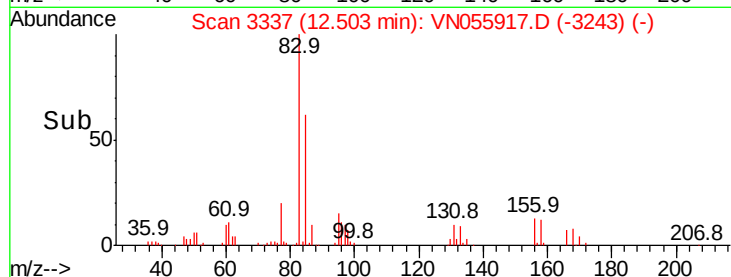
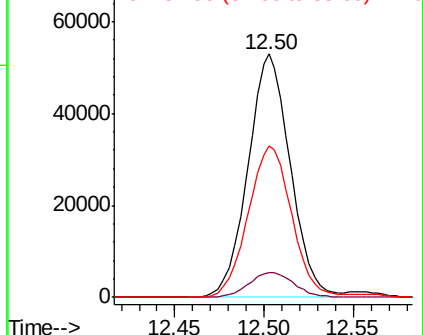
85 64.2 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 37.084 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055917.D

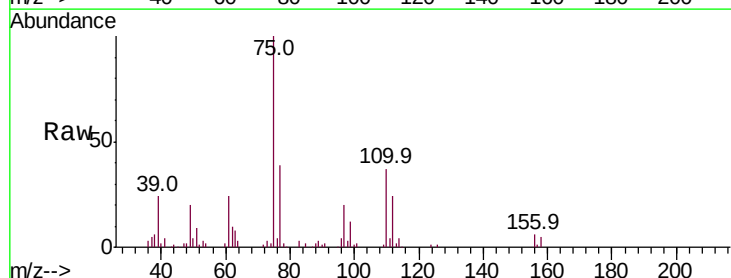
Acq: 31 May 2019 14:18

Tgt Ion: 75 Resp: 102254

Ion Ratio Lower Upper

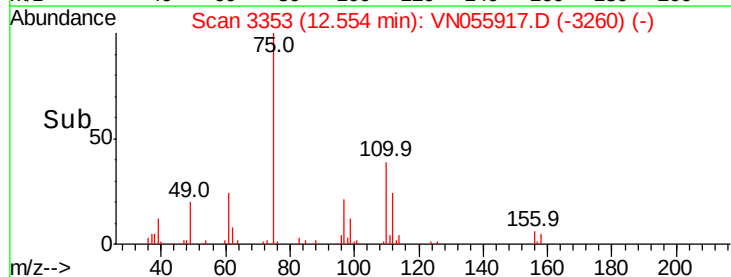
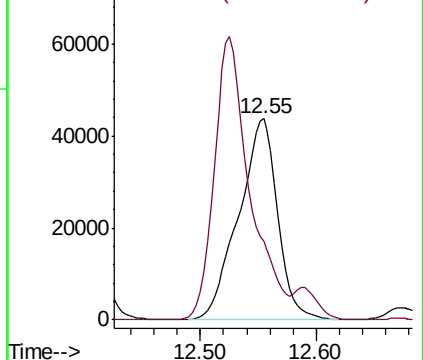
75 100

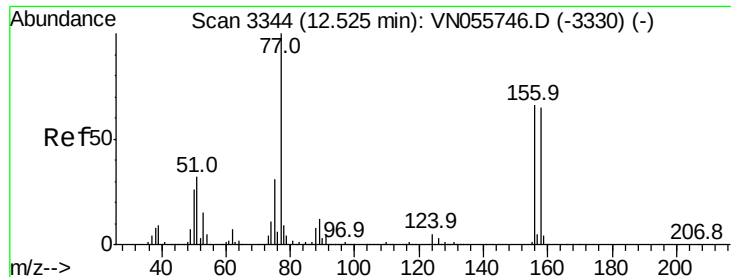
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 21.605 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055917.D

Acq: 31 May 2019 14:18

Instrument :

MSVOA_N

ClientSampleId :

VN0531WBSD01

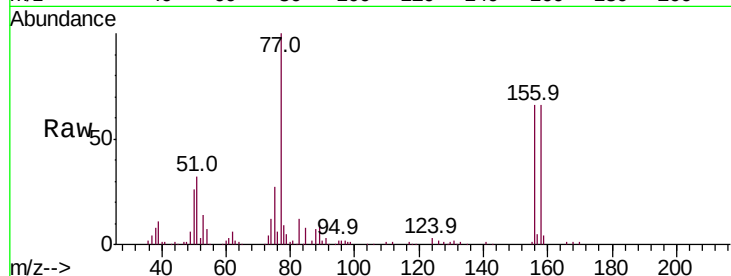
Tot Ion:156 Resp: 72242

Ion Ratio Lower Upper

156 100

77 181.8 90.8 272.5

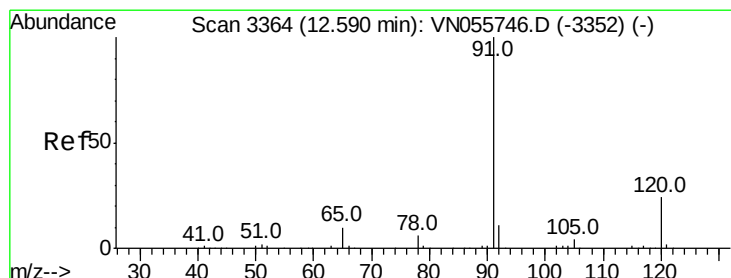
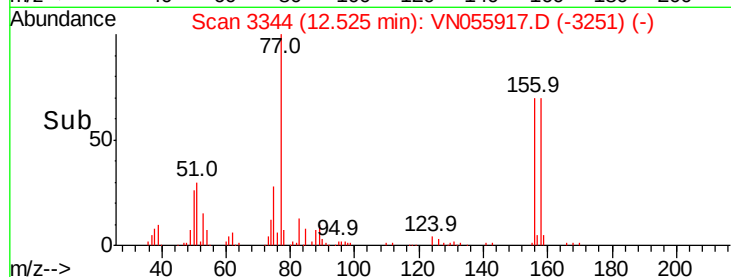
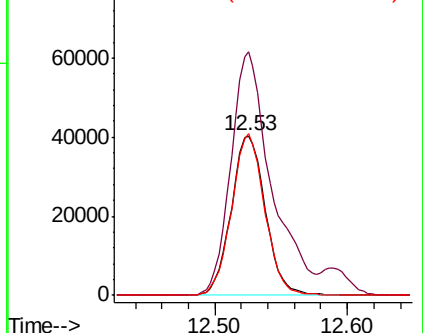
158 97.9 49.3 147.8



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: 21.487 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055917.D

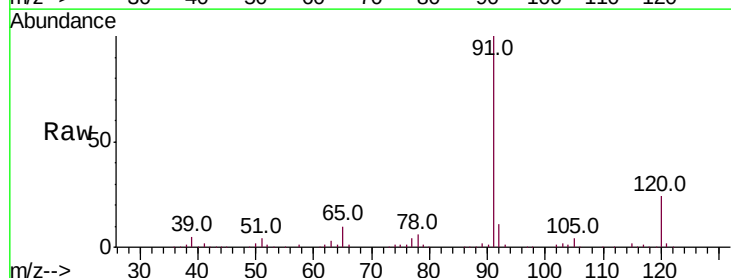
Acq: 31 May 2019 14:18

Tgt Ion: 91 Resp: 292636

Ion Ratio Lower Upper

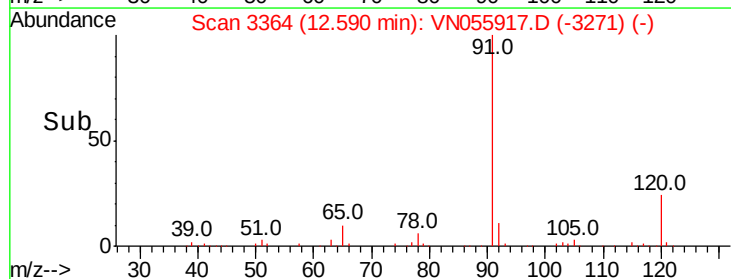
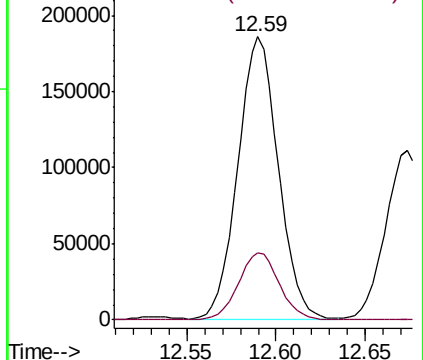
91 100

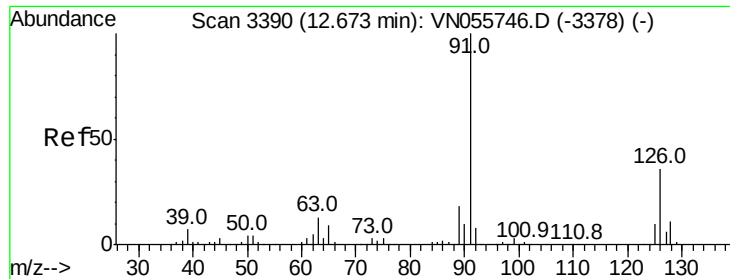
120 24.0 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

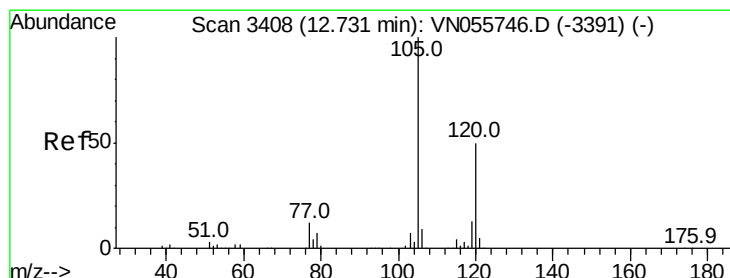
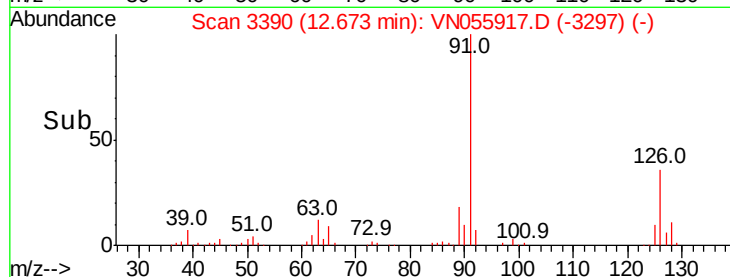
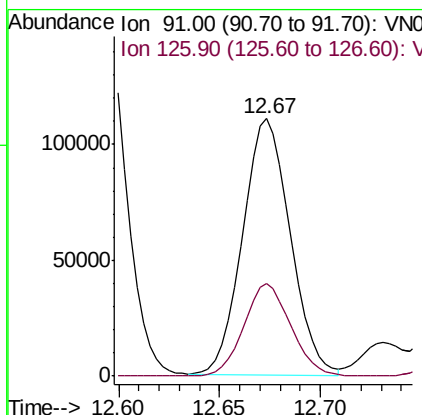
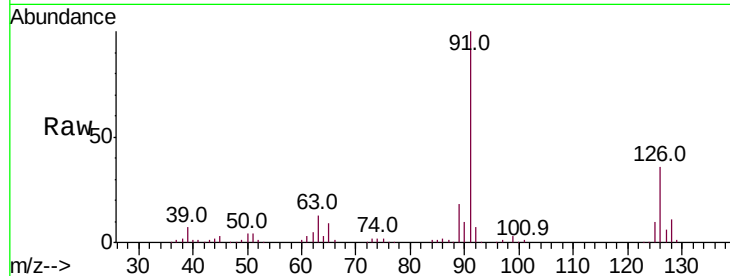




#79
 2-Chlorotoluene
 Concen: 23.697 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN055917.D
 Acq: 31 May 2019 14:18

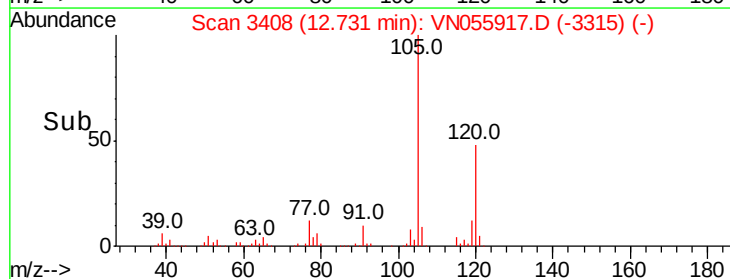
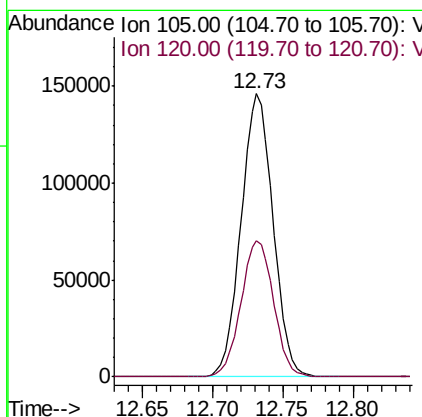
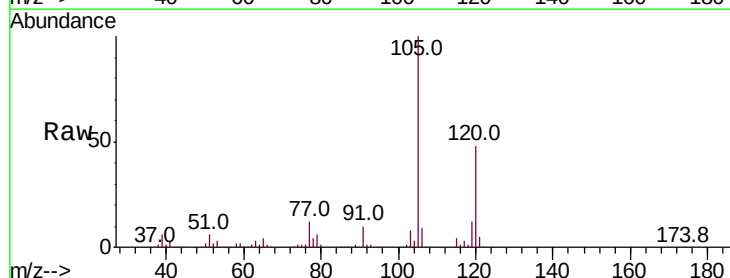
Instrument :
 MSVOA_N
 ClientSampled :
 VN0531WBSD01

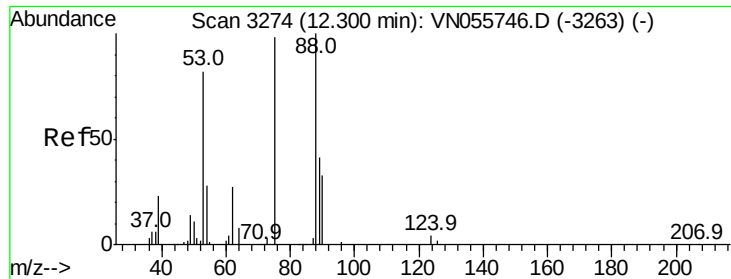
Tot Ion: 91 Resp: 183675
 Ion Ratio Lower Upper
 91 100
 126 35.6 18.1 54.4



#80
 1,3,5-Trimethylbenzene
 Concen: 23.347 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN055917.D
 Acq: 31 May 2019 14:18

Tgt Ion:105 Resp: 231857
 Ion Ratio Lower Upper
 105 100
 120 49.1 24.7 74.1

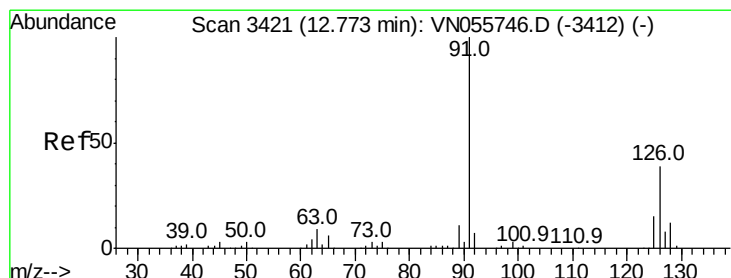
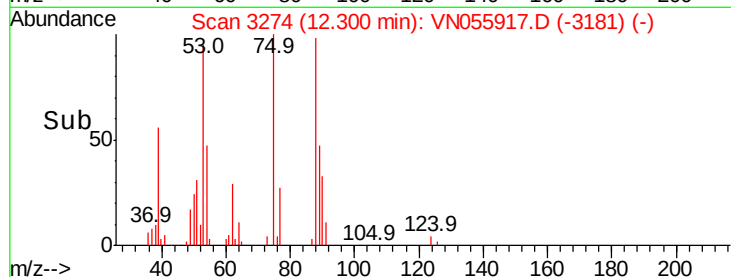
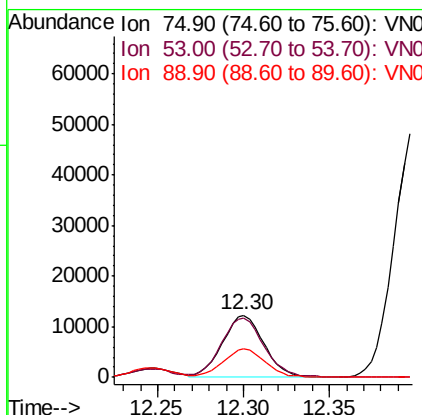
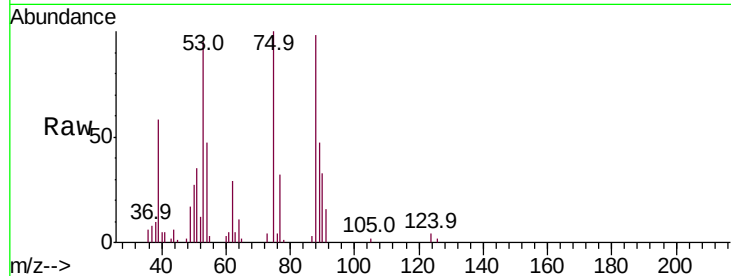




#81
trans-1,4-Dichloro-2-butene
Concen: 17.893 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN055917.D
Acq: 31 May 2019 14:18

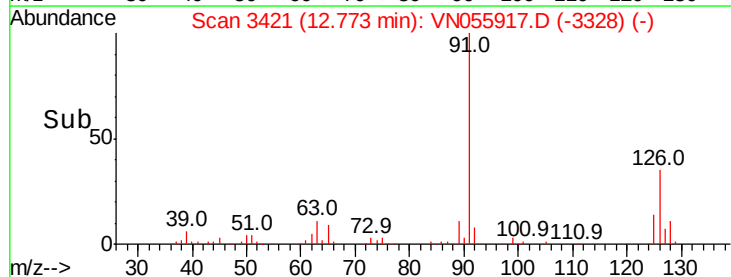
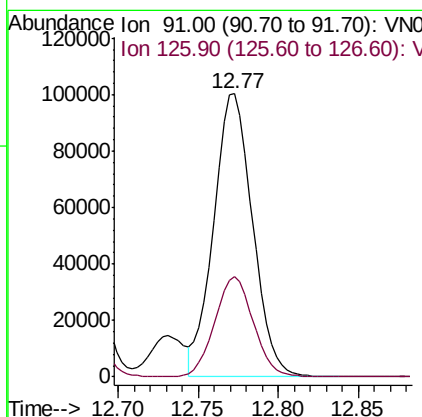
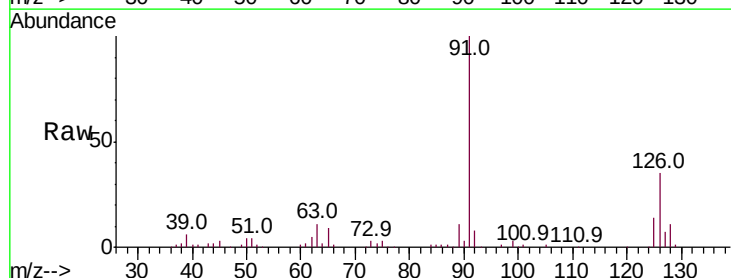
Instrument :
MSVOA_N
ClientSampleId :
VN0531WBSD01

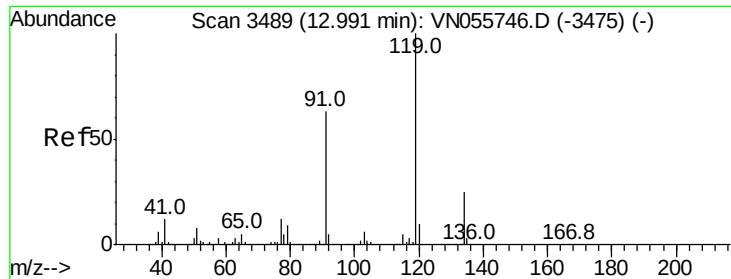
Tot Ion: 75 Resp: 20839
Ion Ratio Lower Upper
75 100
53 98.4 68.1 102.1
89 45.5 36.9 55.3



#82
4-Chlorotoluene
Concen: 21.048 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN055917.D
Acq: 31 May 2019 14:18

Tgt Ion: 91 Resp: 168504
Ion Ratio Lower Upper
91 100
126 35.1 17.8 53.3

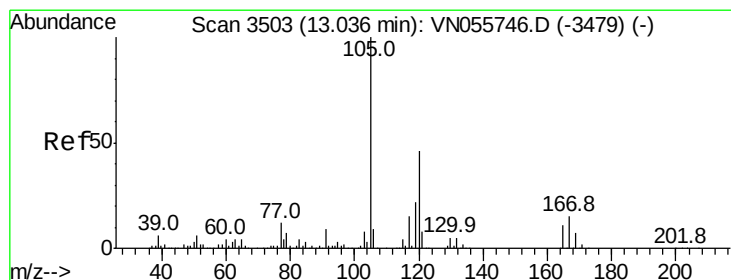
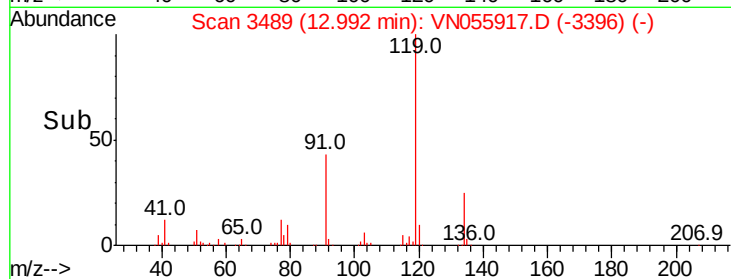
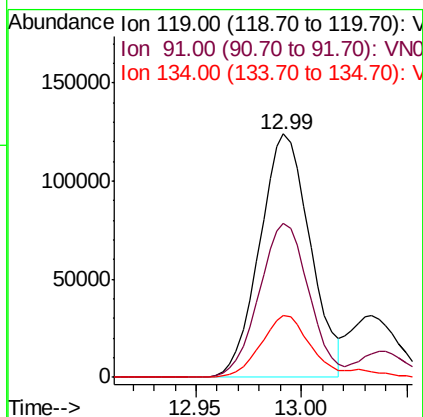
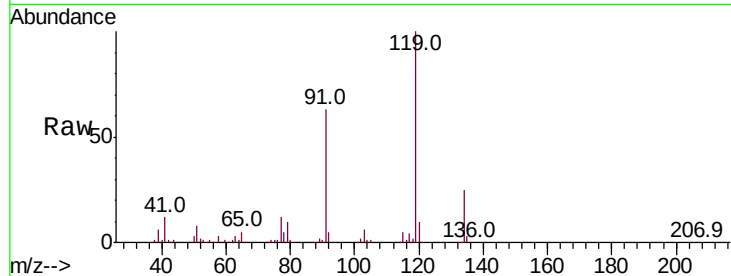




#83
 tert-Butylbenzene
 Concen: 23.885 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN055917.D
 Acq: 31 May 2019 14:18

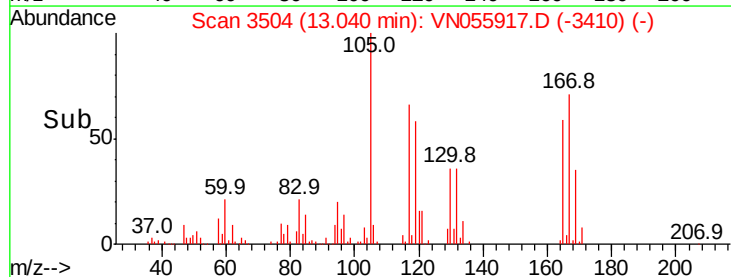
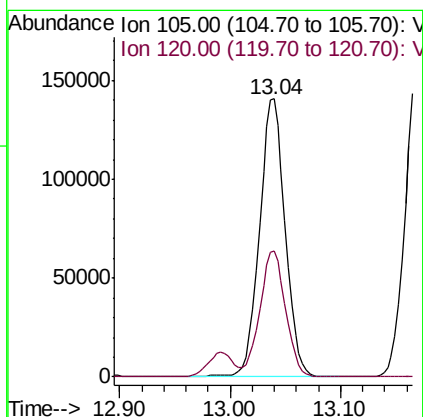
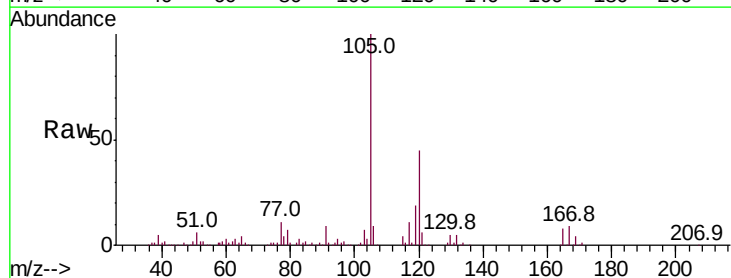
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0531WBSD01

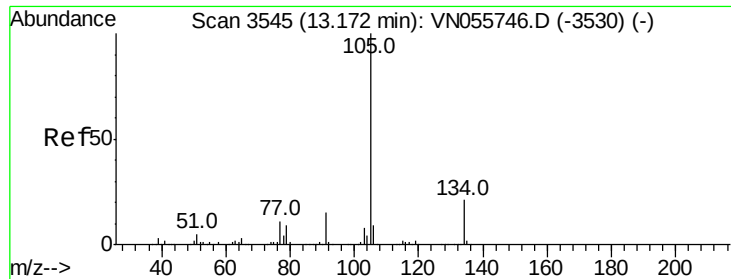
Tot Ion:119 Resp: 206528
 Ion Ratio Lower Upper
 119 100
 91 62.5 30.9 92.8
 134 24.7 13.3 39.8



#84
 1,2,4-Trimethylbenzene
 Concen: 22.871 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN055917.D
 Acq: 31 May 2019 14:18

Tgt Ion:105 Resp: 226132
 Ion Ratio Lower Upper
 105 100
 120 45.3 23.0 69.0





#85

sec-Butylbenzene

Concen: 23.418 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055917.D

Acq: 31 May 2019 14:18

Instrument :

MSVOA_N

ClientSampleId :

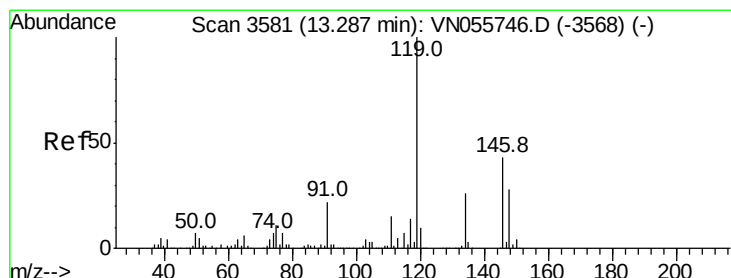
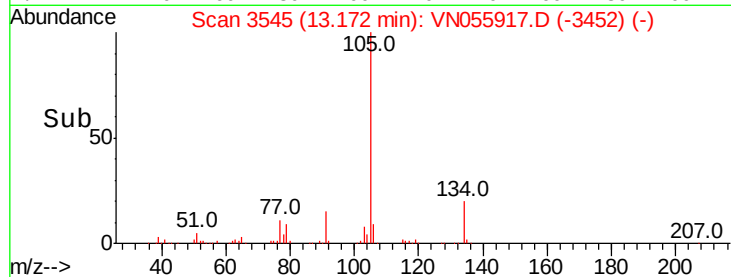
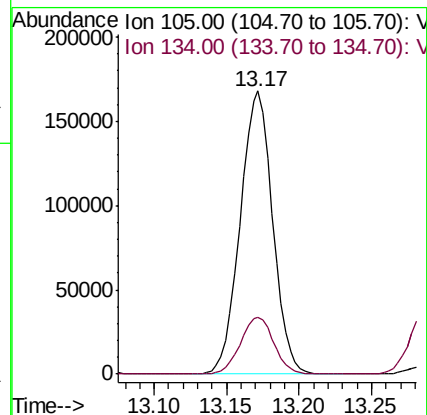
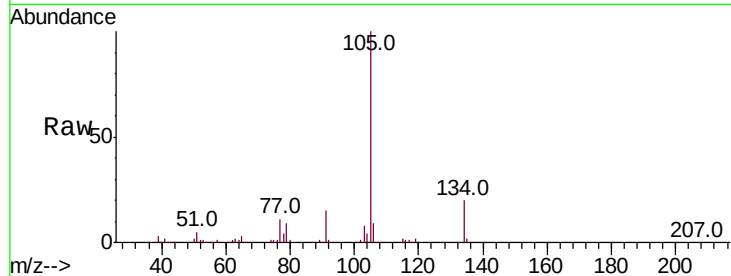
VN0531WBSD01

Tot Ion:105 Resp: 260273

Ion Ratio Lower Upper

105 100

134 20.6 10.4 31.2



#86

p-Isopropyltoluene

Concen: 21.322 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055917.D

Acq: 31 May 2019 14:18

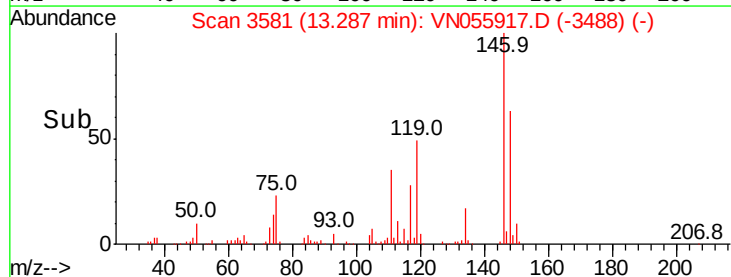
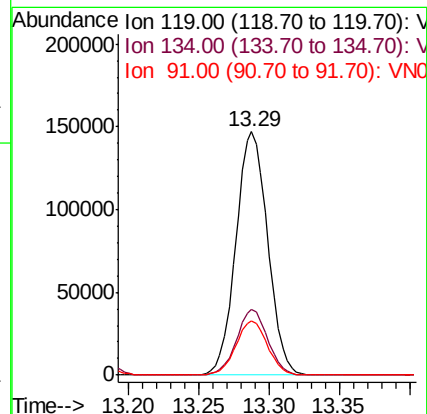
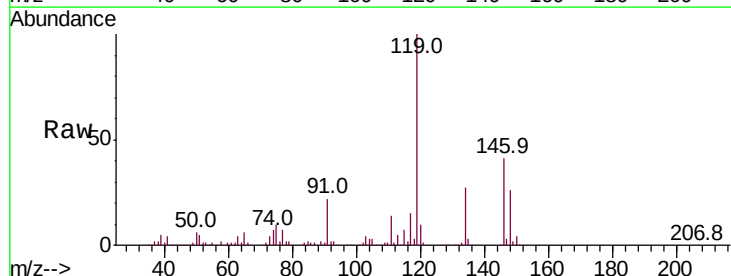
Tgt Ion:119 Resp: 232026

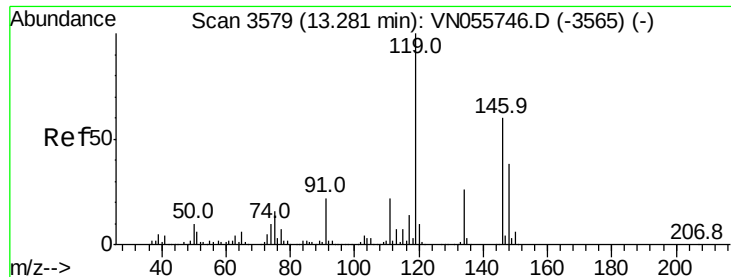
Ion Ratio Lower Upper

119 100

134 26.4 13.4 40.1

91 22.1 10.9 32.9

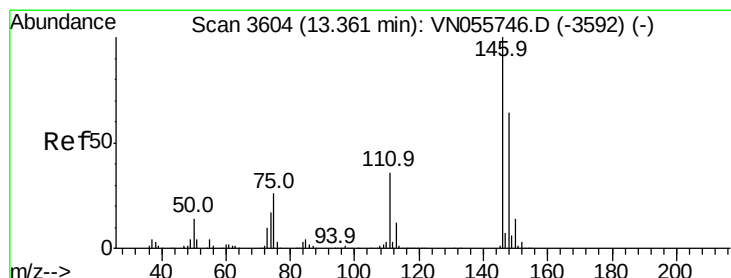
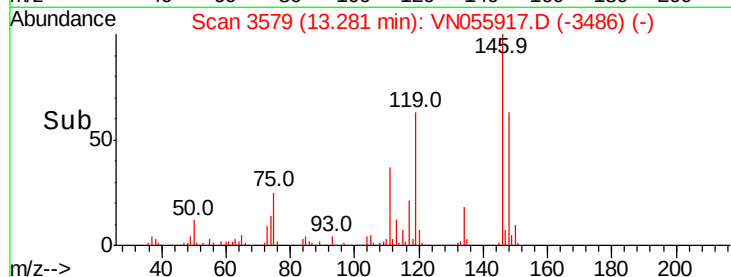
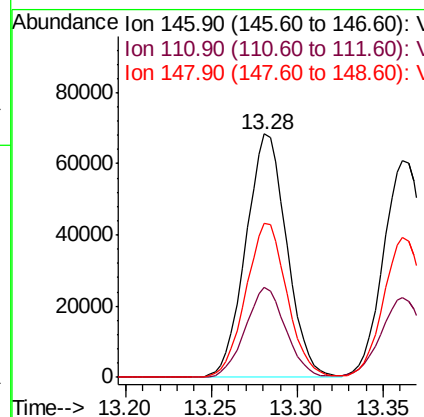
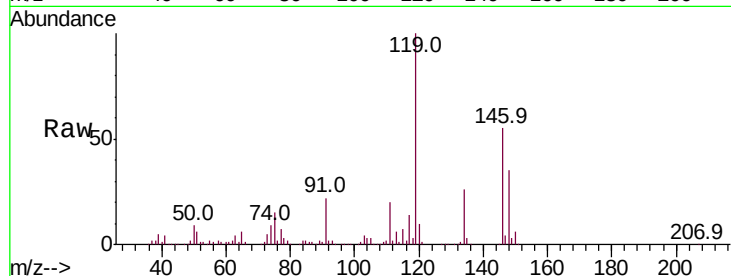




#87
 1,3-Dichlorobenzene
 Concen: 21.338 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055917.D
 Acq: 31 May 2019 14:18

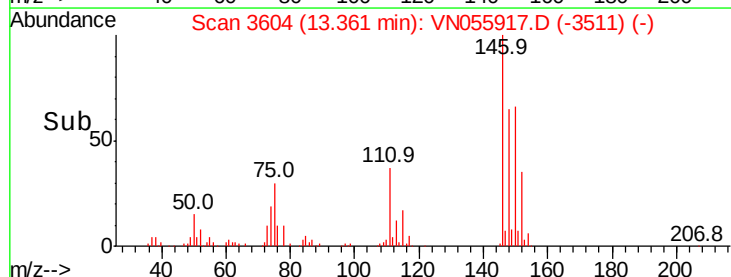
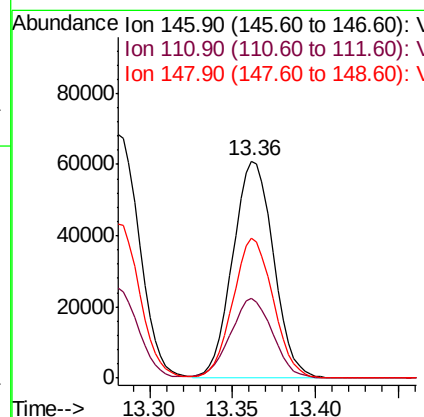
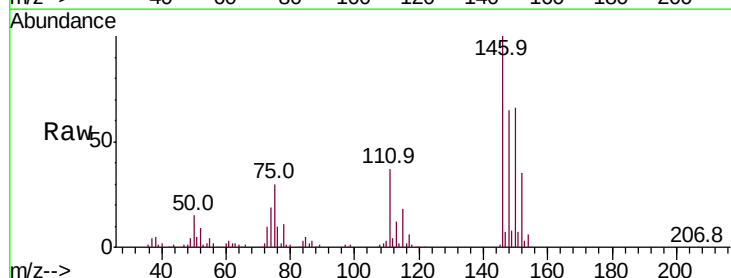
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0531WBSD01

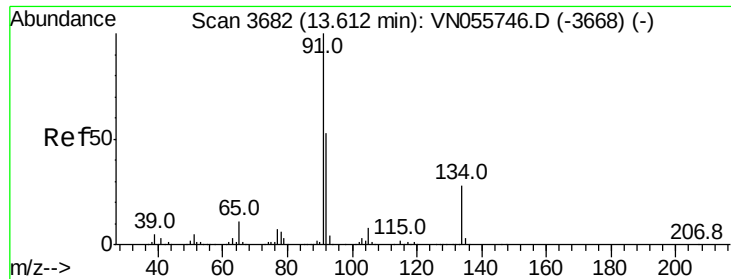
Tot Ion:146 Resp: 112977
 Ion Ratio Lower Upper
 146 100
 111 36.2 18.5 55.5
 148 63.6 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 20.747 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055917.D
 Acq: 31 May 2019 14:18

Tgt Ion:146 Resp: 104440
 Ion Ratio Lower Upper
 146 100
 111 38.2 18.1 54.4
 148 63.7 32.1 96.5





#89

n-Butylbenzene

Concen: 19.578 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN055917.D

Acq: 31 May 2019 14:18

Instrument :

MSVOA_N

ClientSampleId :

VN0531WBSD01

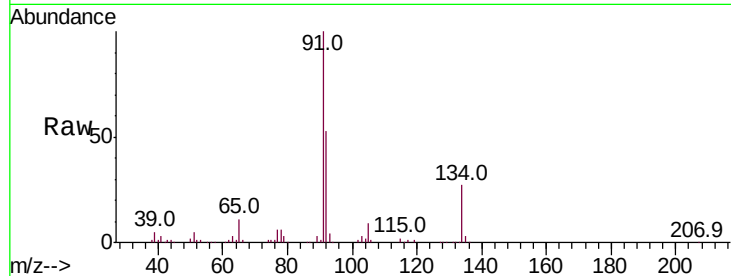
Tot Ion: 91 Resp: 163238

Ion Ratio Lower Upper

91 100

92 53.2 26.4 79.0

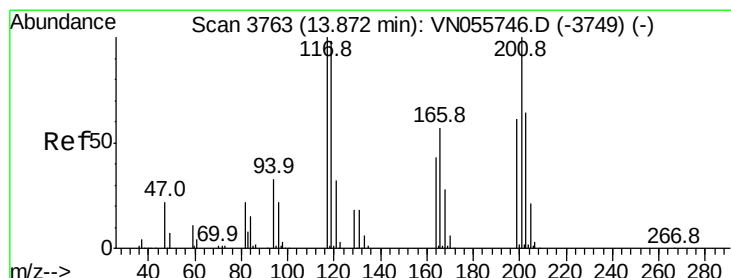
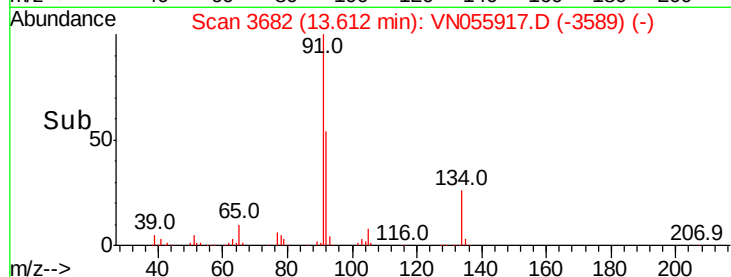
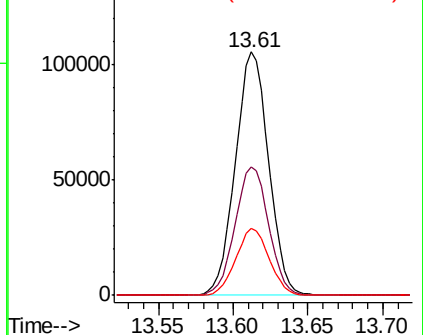
134 27.5 13.9 41.7



Abundance Ion 91.00 (90.70 to 91.70): VN055917.D (-3682) (-)

Ion 92.00 (91.70 to 92.70): VN055917.D (-3682) (-)

Ion 134.00 (133.70 to 134.70): VN055917.D (-3682) (-)



#90

Hexachloroethane

Concen: 17.786 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN055917.D

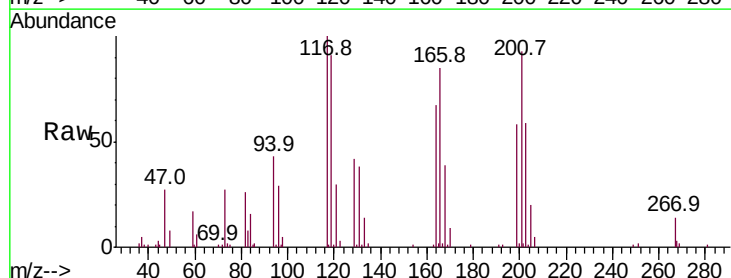
Acq: 31 May 2019 14:18

Tgt Ion: 117 Resp: 36840

Ion Ratio Lower Upper

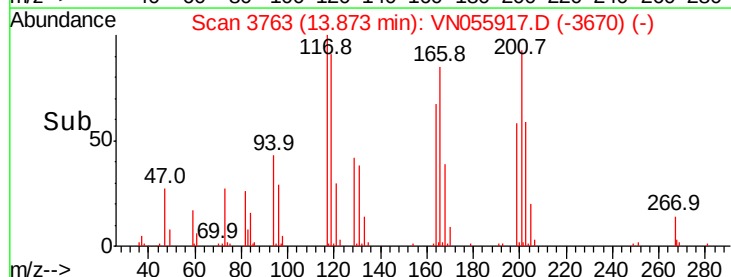
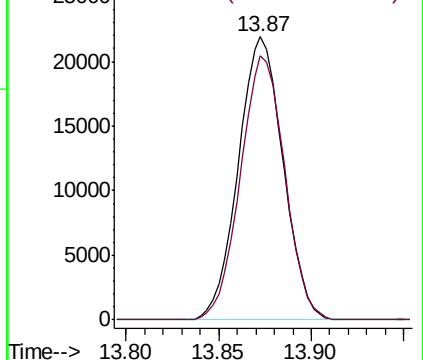
117 100

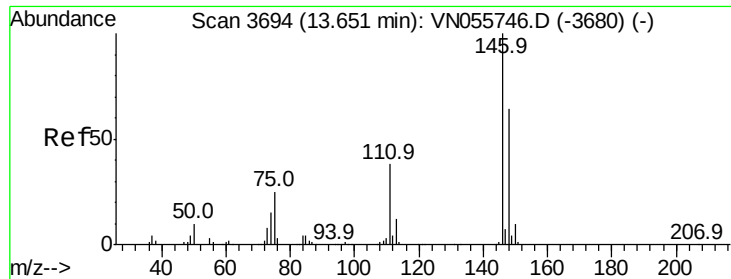
201 92.5 50.0 150.0



Abundance Ion 116.80 (116.50 to 117.50): VN055917.D (-3763) (-)

Ion 200.70 (200.40 to 201.40): VN055917.D (-3763) (-)

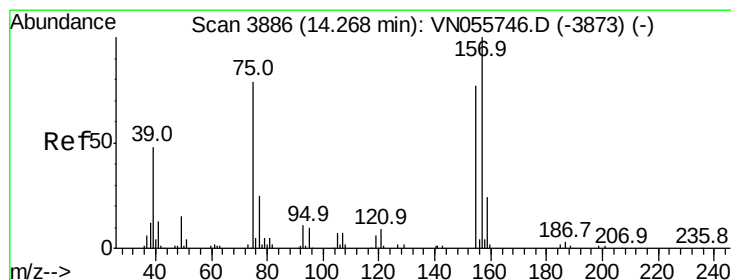
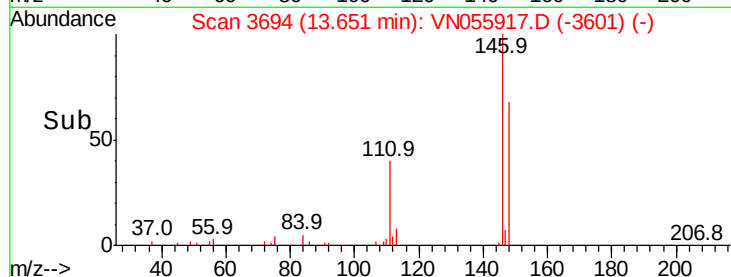
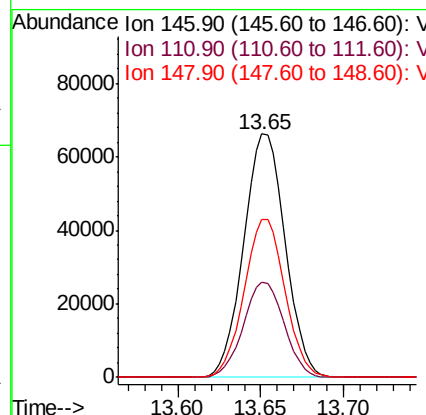
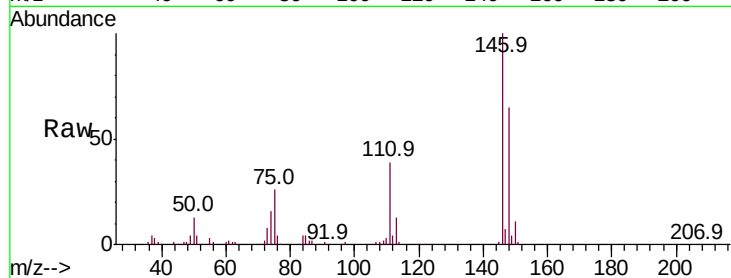




#91
 1,2-Dichlorobenzene
 Concen: 21.817 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN055917.D
 Acq: 31 May 2019 14:18

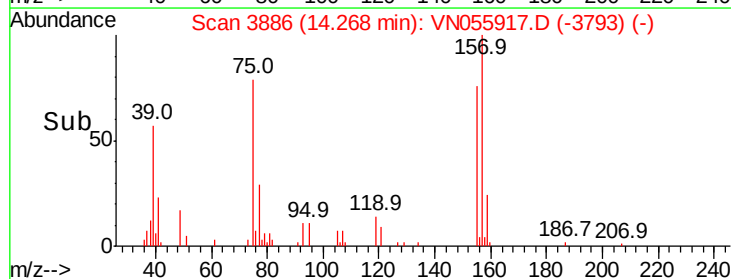
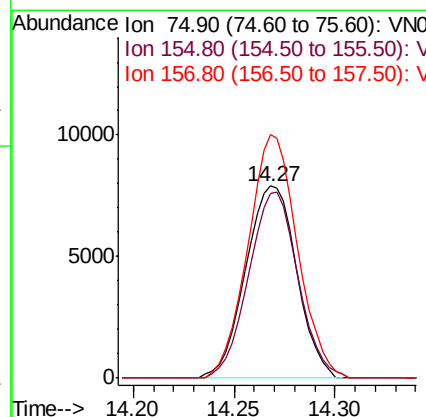
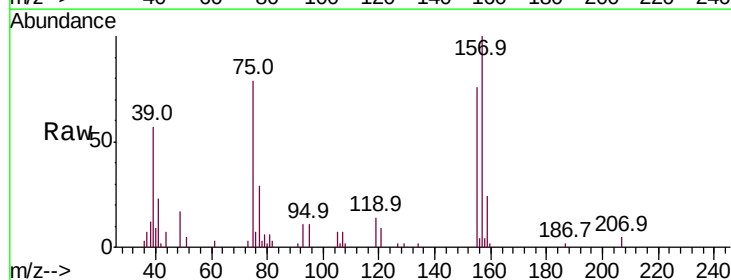
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0531WBSD01

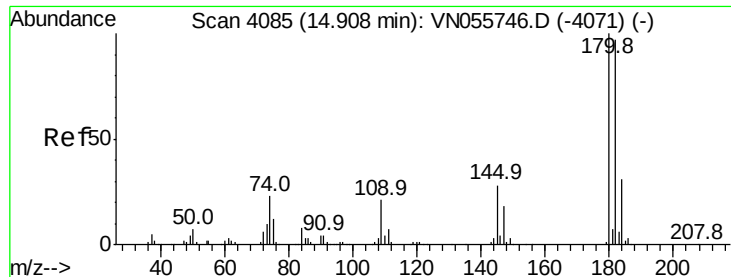
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.1	57.5
148	63.6	31.9	95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.103 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055917.D
 Acq: 31 May 2019 14:18

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.7	50.0	150.1
157	122.8	64.8	194.3

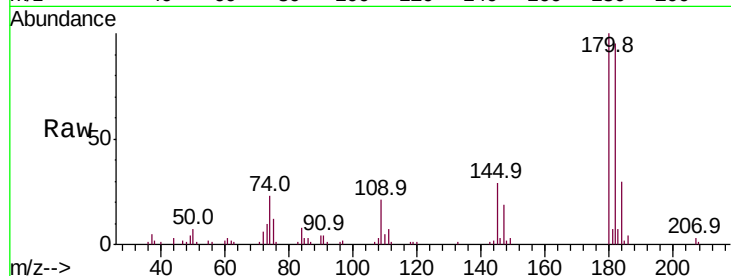




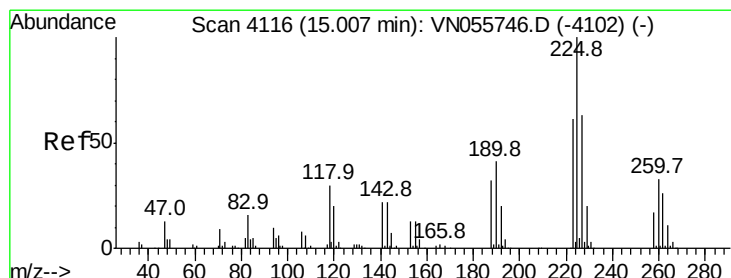
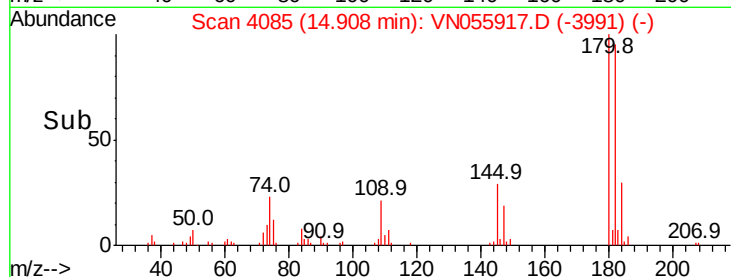
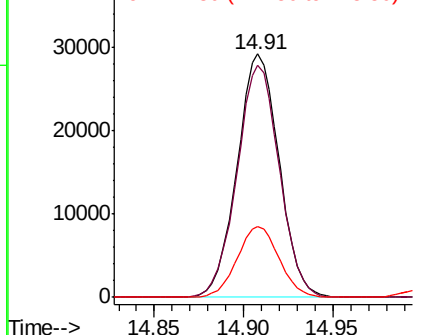
#93
 1,2,4-Trichlorobenzene
 Concen: 18.250 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055917.D
 Acq: 31 May 2019 14:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0531WBSD01

Tot Ion:180 Resp: 47898
 Ion Ratio Lower Upper
 180 100
 182 96.1 48.3 144.9
 145 29.1 14.0 41.9

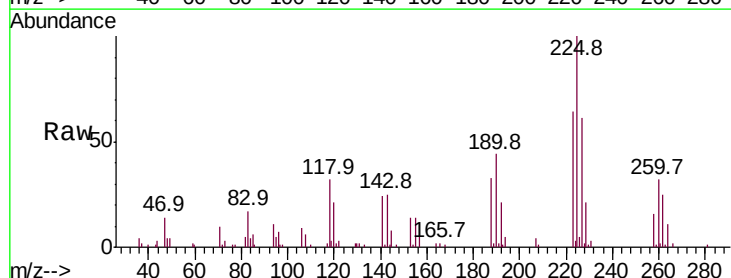


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

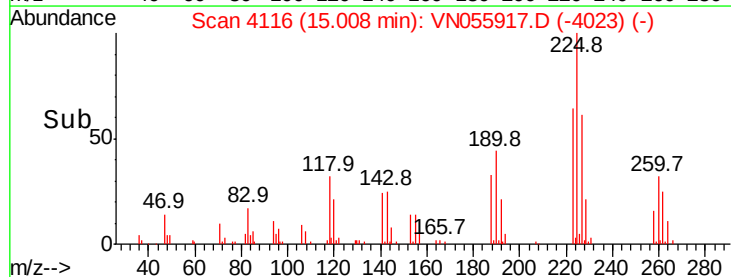
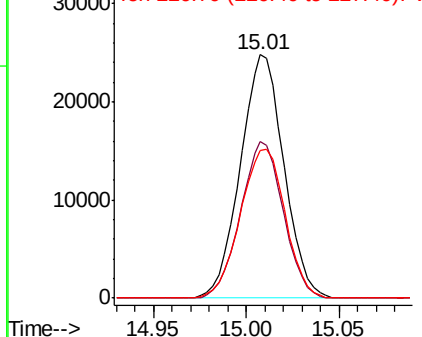


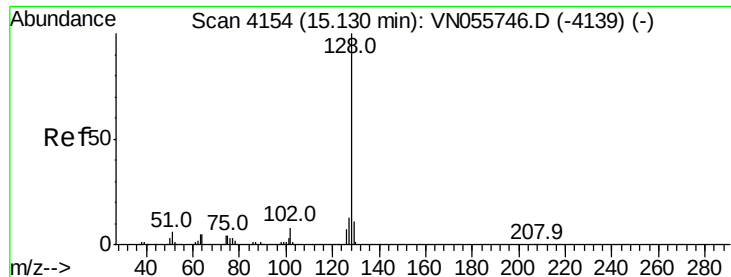
#94
 Hexachlorobutadiene
 Concen: 20.717 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055917.D
 Acq: 31 May 2019 14:18

Tgt Ion:225 Resp: 40503
 Ion Ratio Lower Upper
 225 100
 223 63.1 30.9 92.7
 227 63.1 31.6 94.7



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





#95

Naphthalene

Concen: 22.884 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055917.D

Acq: 31 May 2019 14:18

Instrument :

MSVOA_N

ClientSampleId :

VN0531WBSD01

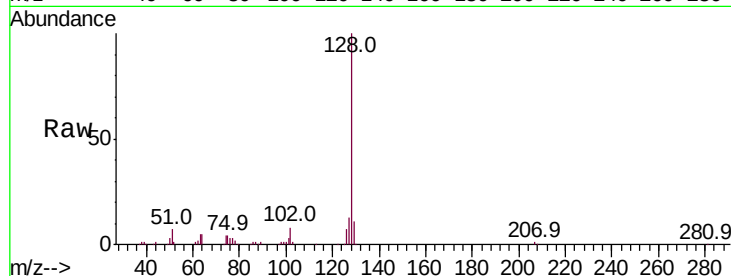
Tot Ion:128 Resp: 165878

Ion Ratio Lower Upper

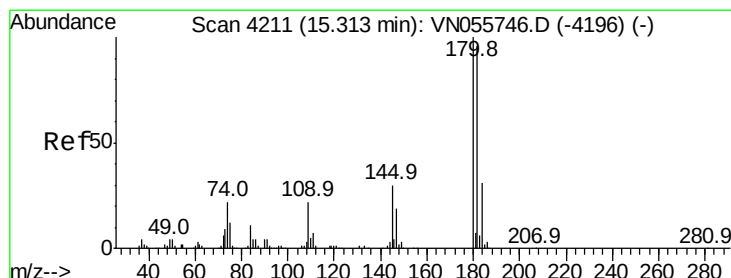
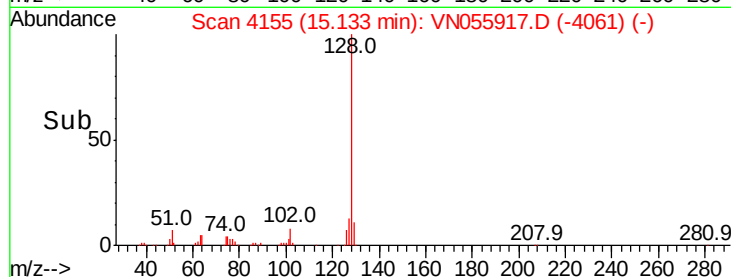
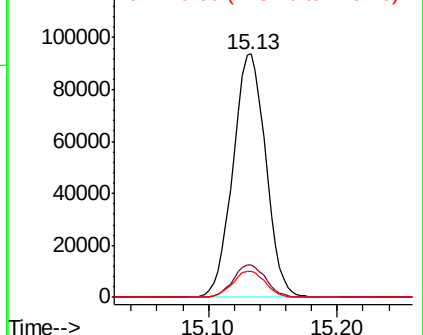
128 100

127 13.2 10.3 15.5

129 10.7 8.7 13.1



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: 19.856 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055917.D

Acq: 31 May 2019 14:18

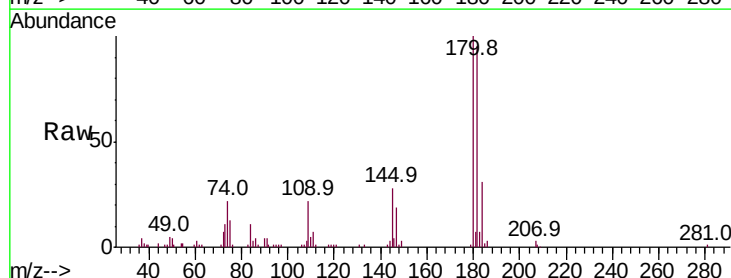
Tgt Ion:180 Resp: 55445

Ion Ratio Lower Upper

180 100

182 96.7 47.9 143.7

145 29.6 14.9 44.7



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

