

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060819\
 Data File : VN056121.D
 Acq On : 8 Jun 2019 00:46
 Operator : JC/SP
 Sample : VN0608WBSD03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBSD03

Manual Integrations
 APPROVED

MMDadoda
 6/10/2019 11:26:21 AM

Quant Time: Jun 08 07:13:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	290131	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	427959	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	380947	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	156145	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	152128	52.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.62%	
35) Dibromofluoromethane	7.59	113	133612	50.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.78%	
50) Toluene-d8	10.09	98	512530	50.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.46%	
62) 4-Bromofluorobenzene	12.40	95	168235	48.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	64777	20.534	ug/l	96
3) Chloromethane	2.06	50	69916	22.231	ug/l	99
4) Vinyl Chloride	2.18	62	66965	21.227	ug/l	99
5) Bromomethane	2.54	94	41159	20.653	ug/l	99
6) Chloroethane	2.69	64	38111	20.836	ug/l	99
7) Trichlorofluoromethane	3.00	101	81592	20.259	ug/l	100
8) Diethyl Ether	3.40	74	33066	19.965	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	50267	20.547	ug/l	99
10) Methyl Iodide	3.94	142	74824	19.246	ug/l	98
11) Tert butyl alcohol	4.82	59	49527	98.794	ug/l	100
12) 1,1-Dichloroethene	3.72	96	49511	20.328	ug/l	96
13) Acrolein	3.60	56	10852	75.057	ug/l	98
14) Allyl chloride	4.31	41	73443	19.096	ug/l	99
15) Acrylonitrile	4.99	53	140150	114.845	ug/l	99
16) Acetone	3.82	43	115847	84.083	ug/l	100
17) Carbon Disulfide	4.04	76	98130	16.827	ug/l	99
18) Methyl Acetate	4.33	43	66369	24.225	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	161736	20.833	ug/l	100
20) Methylene Chloride	4.54	84	59816	21.073	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	53290	20.420	ug/l	99
22) Diisopropyl ether	5.96	45	169244	21.288	ug/l	100
23) Vinyl Acetate	5.90	43	645896	103.166	ug/l	100
24) 1,1-Dichloroethane	5.84	63	96571	21.058	ug/l	99
25) 2-Butanone	6.84	43	184445	105.956	ug/l	98
26) 2,2-Dichloropropane	6.82	77	46525	13.001	ug/l	96
27) cis-1,2-Dichloroethene	6.82	96	63869	20.821	ug/l	95
28) Bromochloromethane	7.19	49	43792	20.193	ug/l	100
29) Tetrahydrofuran	7.22	42	121748	113.144	ug/l	100
30) Chloroform	7.37	83	97424	21.118	ug/l	100
31) Cyclohexane	7.65	56	90464	19.790	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	76863	19.952	ug/l	100
36) 1,1-Dichloropropene	7.79	75	71376	19.396	ug/l	99
37) Ethyl Acetate	6.94	43	73001	22.296	ug/l	100
38) Carbon Tetrachloride	7.77	117	63951	18.850	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	85750	18.706	ug/l	99
40) Benzene	8.04	78	231217	20.688	ug/l	99
41) Methacrylonitrile	7.17	41	24992	16.590	ug/l #	61
42) 1,2-Dichloroethane	8.12	62	73789	20.525	ug/l	99
43) Isopropyl Acetate	8.17	43	108927	20.530	ug/l #	92
44) Trichloroethene	8.83	130	63069	19.638	ug/l	98
45) 1,2-Dichloropropane	9.12	63	59201	20.680	ug/l	99
46) Dibromomethane	9.21	93	38935	20.798	ug/l	98
47) Bromodichloromethane	9.40	83	66314	19.545	ug/l	98
48) Methyl methacrylate	9.20	41	55417	21.350	ug/l	99
49) 1,4-Dioxane	9.21	88	24851	443.467	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	364660	109.906	ug/l	100
52) Toluene	10.16	92	143393	20.618	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	62083	17.256	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	75770	18.579	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	57687	20.940	ug/l	99
56) Ethyl methacrylate	10.43	69	84118	20.930	ug/l	98
57) 1,3-Dichloropropane	10.71	76	94739	21.155	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	158492	108.418	ug/l	100
59) 2-Hexanone	10.75	43	252952	105.188	ug/l	100
60) Dibromochloromethane	10.90	129	50150	18.148	ug/l	99
61) 1,2-Dibromoethane	11.01	107	58109	20.633	ug/l	98
64) Tetrachloroethene	10.63	164	69870	21.189	ug/l	100
65) Chlorobenzene	11.43	112	153730	20.277	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	51475	19.663	ug/l	98
67) Ethyl Benzene	11.51	91	262816	19.936	ug/l	100
68) m/p-Xylenes	11.62	106	204161	40.539	ug/l	98
69) o-Xylene	11.95	106	100120	20.211	ug/l	99
70) Styrene	11.96	104	159416	20.254	ug/l	99
71) Bromoform	12.13	173	34105	17.409	ug/l #	98
73) Isopropylbenzene	12.25	105	263792	22.363	ug/l	100
74) N-amyl acetate	12.07	43	88509	21.265	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	78611	21.687	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	69878m	24.321	ug/l	
77) Bromobenzene	12.53	156	69379	20.753	ug/l	97
78) n-propylbenzene	12.59	91	270232	20.457	ug/l	100
79) 2-Chlorotoluene	12.67	91	171703	22.140	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	216392	20.612	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	13015	15.085	ug/l #	76
82) 4-Chlorotoluene	12.77	91	158559	20.517	ug/l	98
83) tert-Butylbenzene	12.99	119	193246	22.207	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	206331	20.725	ug/l	98
85) sec-Butylbenzene	13.17	105	241098	20.609	ug/l	100
86) p-Isopropyltoluene	13.29	119	211952	20.244	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	105674	20.424	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	97912	19.672	ug/l	98
89) n-Butylbenzene	13.61	91	143874	18.550	ug/l	100
90) Hexachloroethane	13.87	117	28873	18.287	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	106595	20.406	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	10355	19.973	ug/l	96

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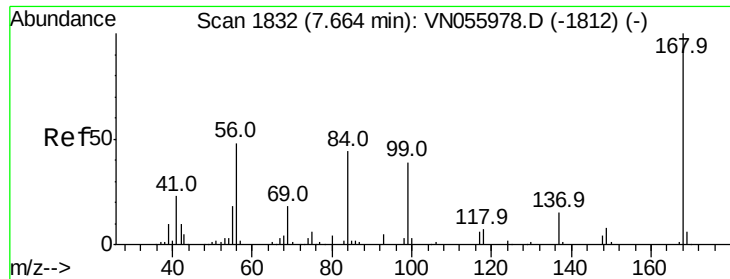
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	39680	16.877	ug/l	98
94) Hexachlorobutadiene	15.01	225	39456	20.805	ug/l	99
95) Naphthalene	15.13	128	114376	17.986	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	48920	18.696	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056121.D

Acq: 8 Jun 2019 00:46

Instrument :

MSVOA_N

ClientSampleID :

VN0608WBSD03

Tot Ion:168 Resp: 290131

Ion Ratio Lower Upper

168 100

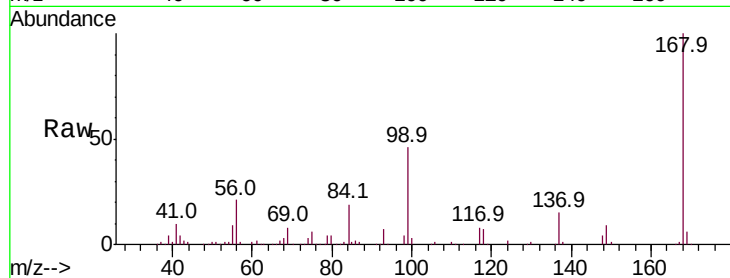
99 45.8 37.2 55.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

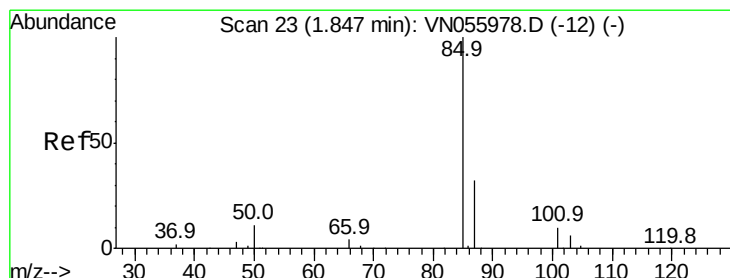
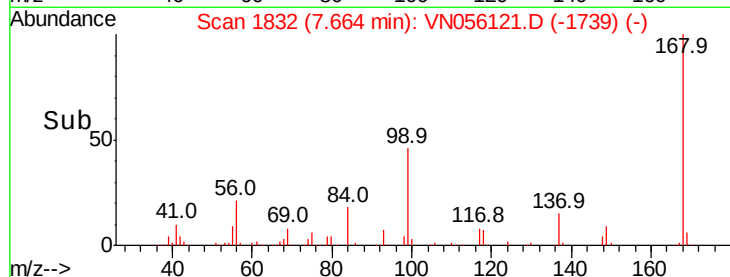
7.66

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.534 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056121.D

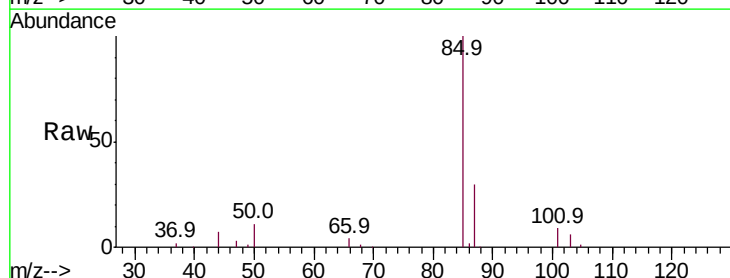
Acq: 8 Jun 2019 00:46

Tgt Ion: 85 Resp: 64777

Ion Ratio Lower Upper

85 100

87 30.2 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

50000

40000

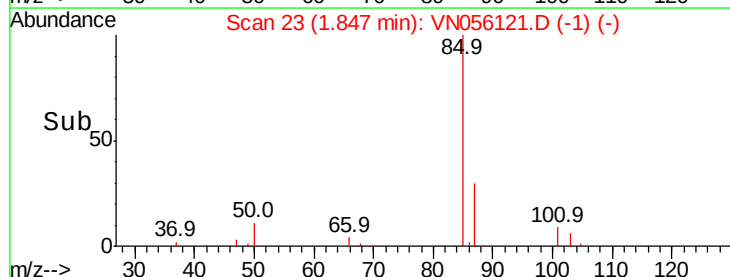
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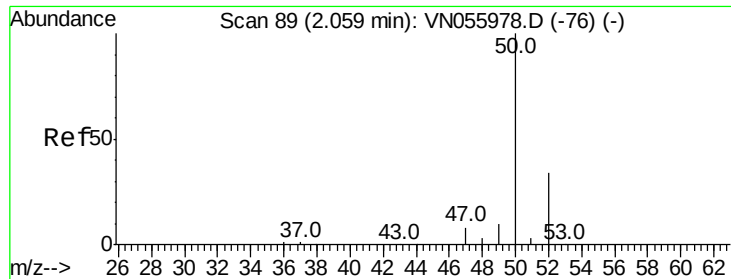
20000

10000

0

Time-->





#3

Chloromethane

Concen: 22.231 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN056121.D

Acq: 8 Jun 2019 00:46

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBSD03

Tot Ion: 50 Resp: 69916

Ion Ratio Lower Upper

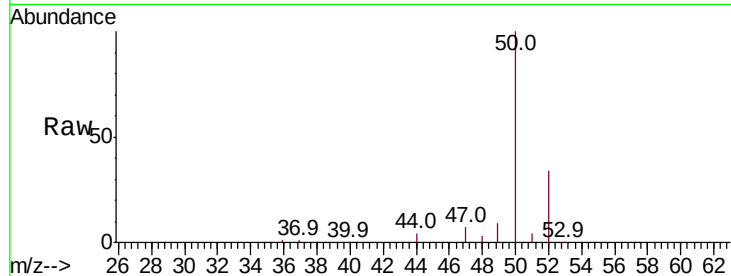
50 100

52 33.9 26.6 40.0

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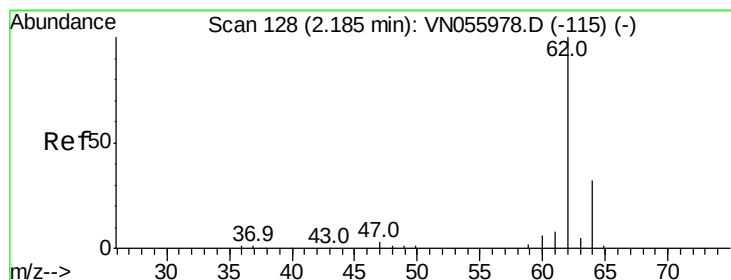
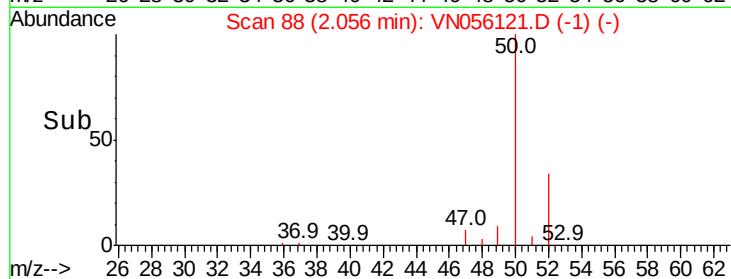
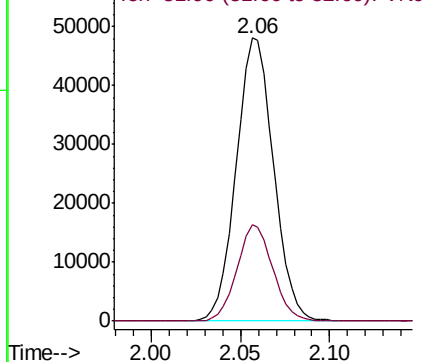
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 21.227 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN056121.D

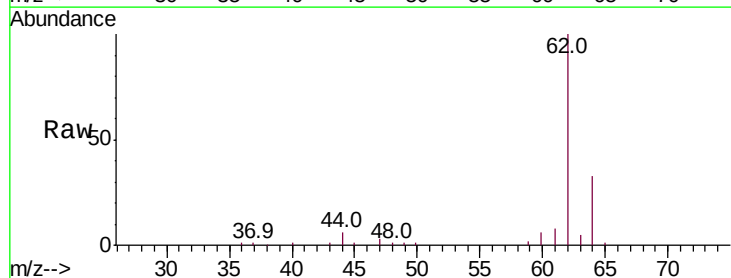
Acq: 8 Jun 2019 00:46

Tgt Ion: 62 Resp: 66965

Ion Ratio Lower Upper

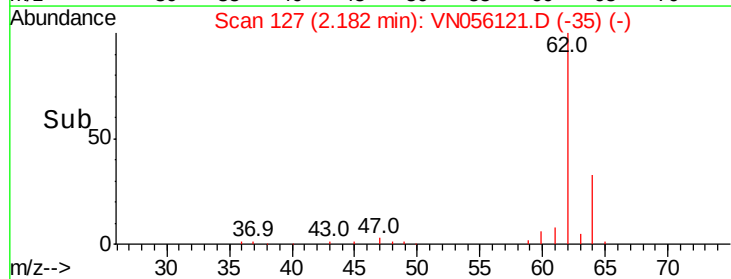
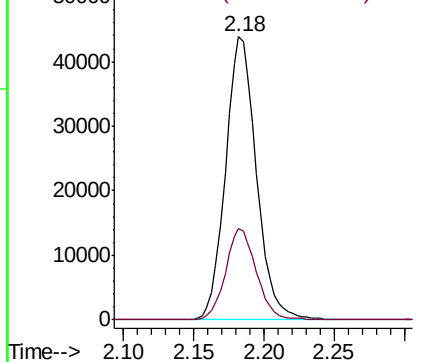
62 100

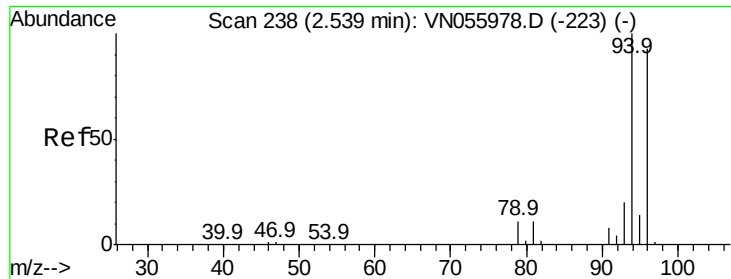
64 32.5 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 20.653 ug/l

RT: 2.54 min Scan# 237

Delta R.T. -0.00 min

Lab File: VN056121.D

Acq: 8 Jun 2019 00:46

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBSD03

Tot Ion: 94 Resp: 41159

Ion Ratio Lower Upper

94 100

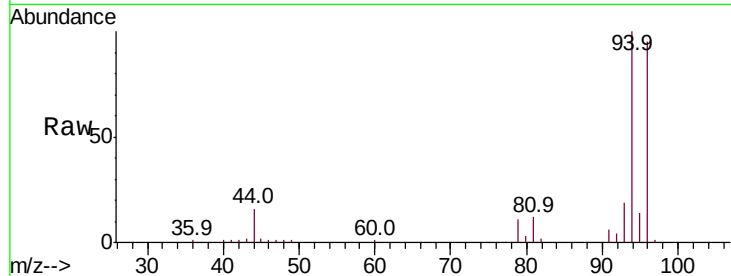
96 95.2 75.5 113.3

Manual Integrations

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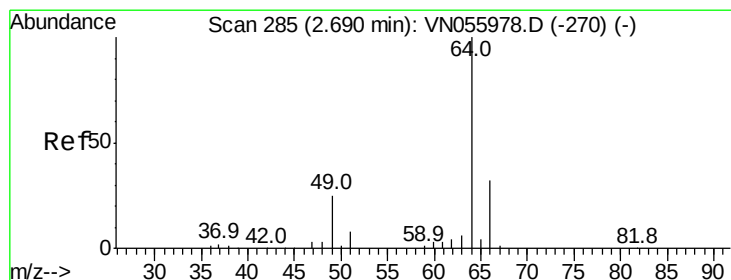
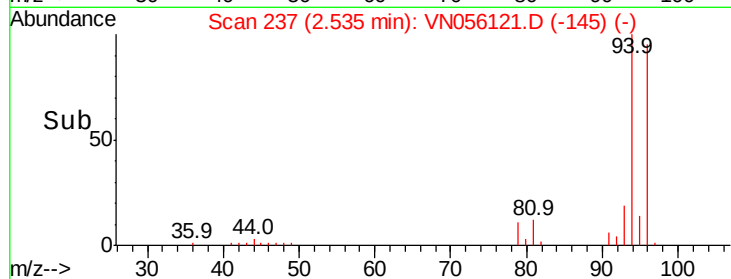
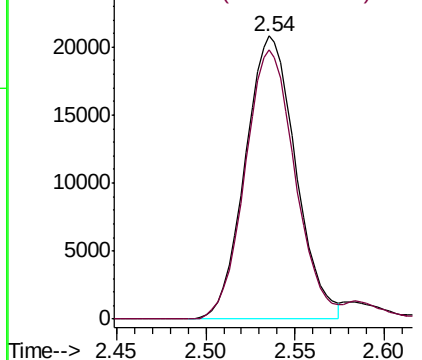
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 20.836 ug/l

RT: 2.69 min Scan# 284

Delta R.T. -0.00 min

Lab File: VN056121.D

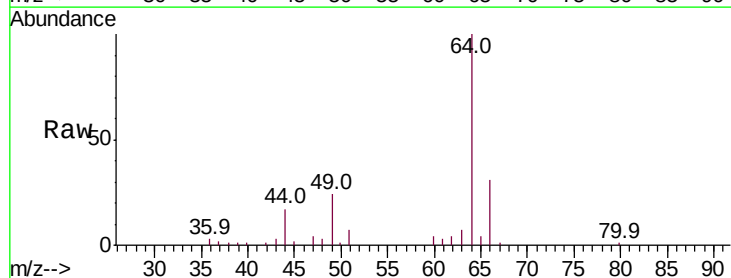
Acq: 8 Jun 2019 00:46

Tgt Ion: 64 Resp: 38111

Ion Ratio Lower Upper

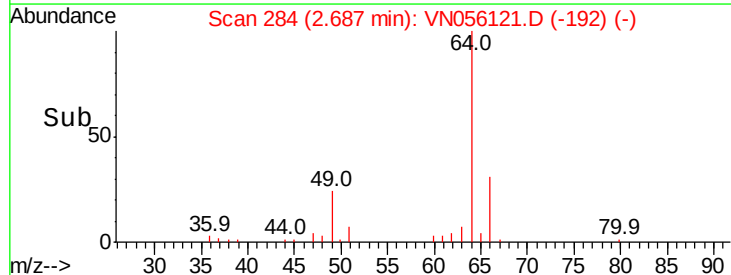
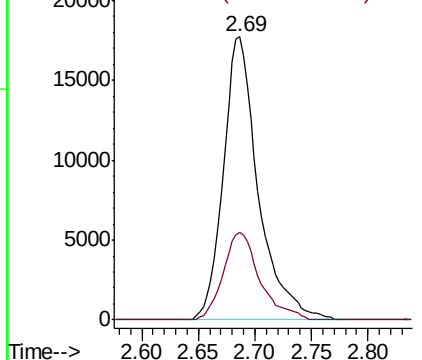
64 100

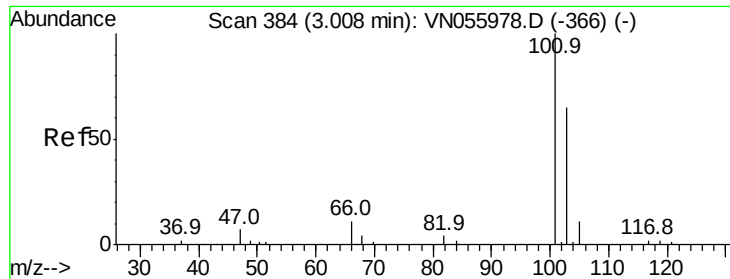
66 31.1 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

Trichlorofluoromethane

Concen: 20.259 ug/l

RT: 3.00 min Scan# 383

Delta R.T. -0.00 min

Lab File: VN056121.D

Acq: 8 Jun 2019 00:46

Instrument :

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ClientSampleId :

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Tot Ion:101 Resp: 81592

Ion Ratio Lower Upper

101 100

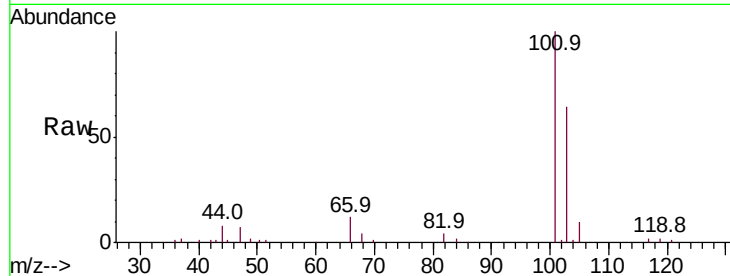
103 63.8 51.2 76.8

Manual Integrations

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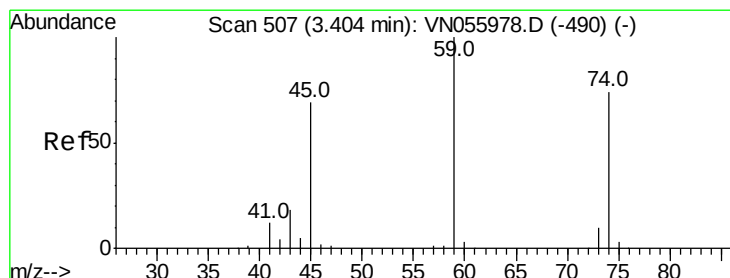
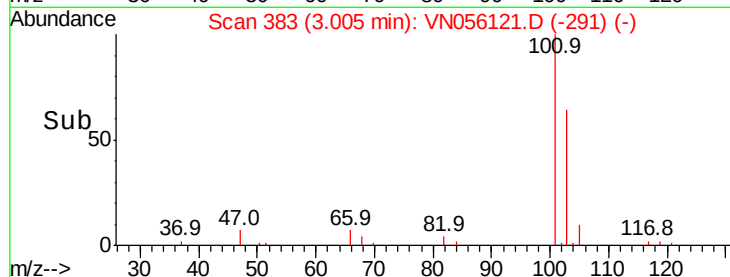
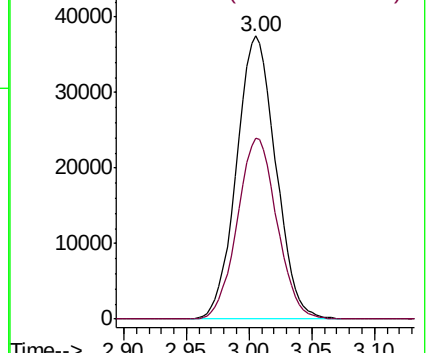
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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 19.965 ug/l

RT: 3.40 min Scan# 507

Delta R.T. 0.00 min

Lab File: VN056121.D

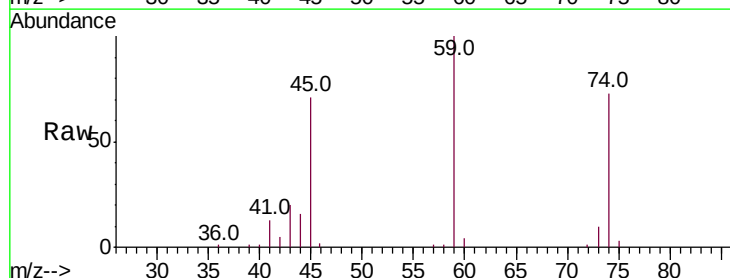
Acq: 8 Jun 2019 00:46

Tgt Ion: 74 Resp: 33066

Ion Ratio Lower Upper

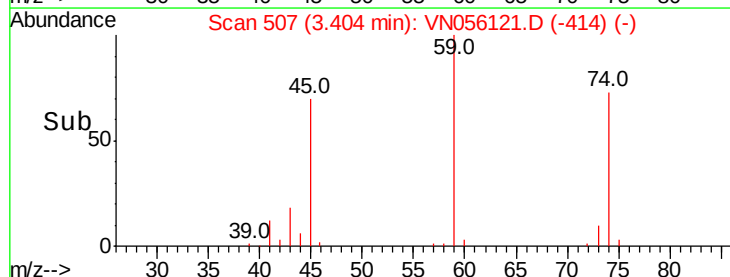
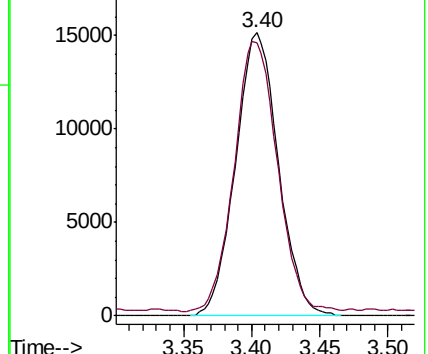
74 100

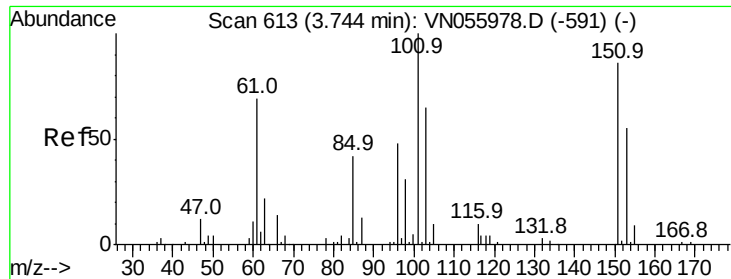
45 96.1 48.6 145.9



Abundance Ion 74.00 (73.70 to 74.70): V

Ion 45.00 (44.70 to 45.70): V





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.547 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.01 min

Lab File: VN056121.D

Acq: 8 Jun 2019 00:46

Instrument :

MSVOA_N

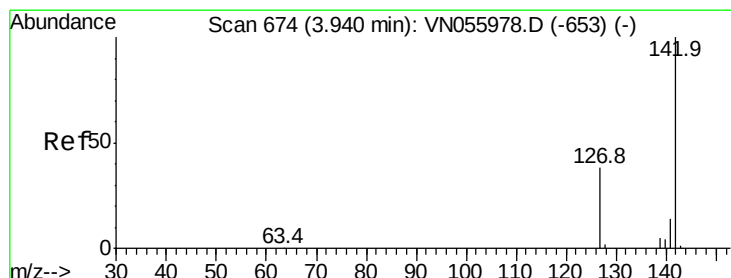
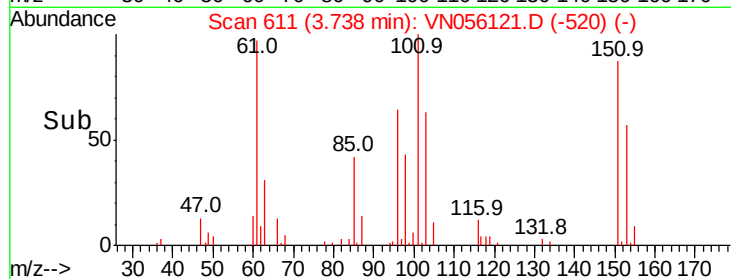
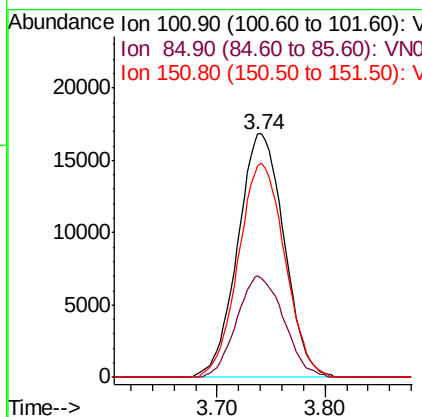
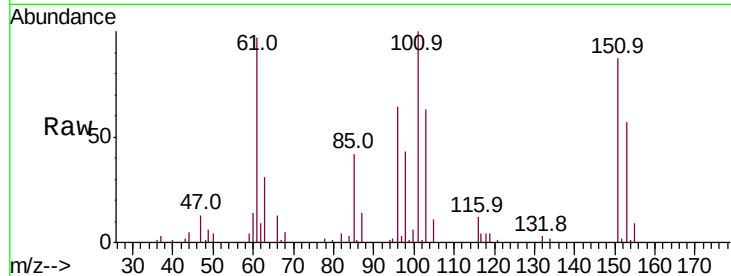
ClientSampleId :

VN0608WBSD03

Tot Ion:	101	Resp:	50267
Ion Ratio	Lower	Upper	
101	100		
85	41.9	33.4	50.2
151	88.0	69.4	104.2

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#10

Methyl Iodide

Concen: 19.246 ug/l

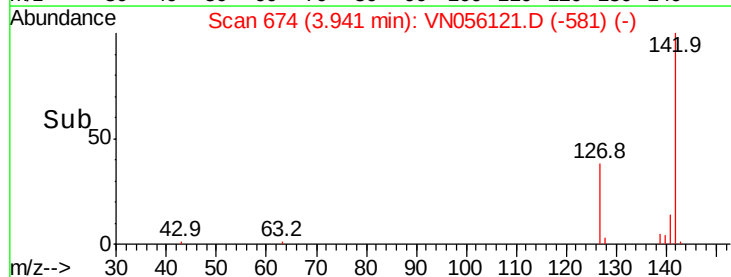
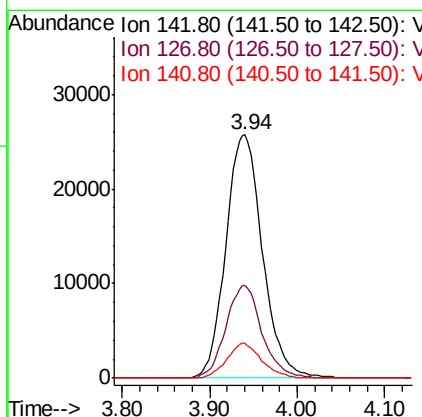
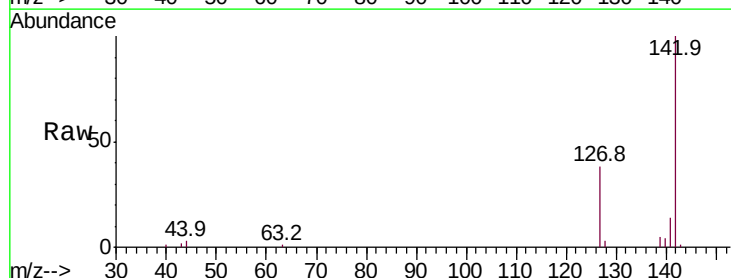
RT: 3.94 min Scan# 674

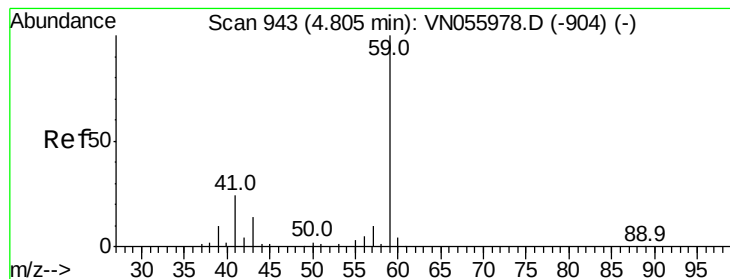
Delta R.T. 0.00 min

Lab File: VN056121.D

Acq: 8 Jun 2019 00:46

Tgt Ion:	142	Resp:	74824
Ion Ratio	Lower	Upper	
142	100		
127	37.3	31.0	46.4
141	13.6	11.4	17.0





#11

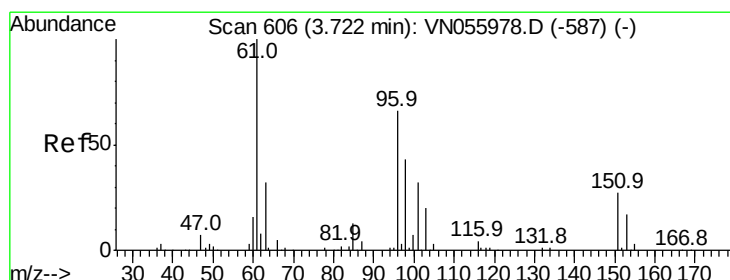
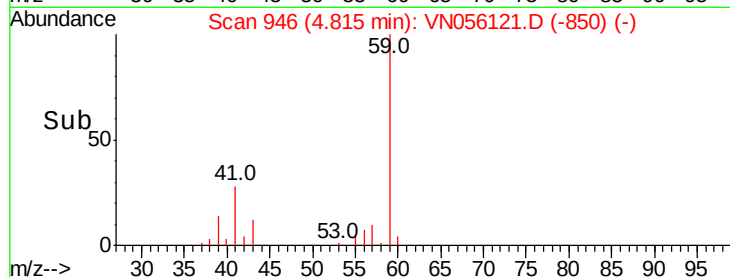
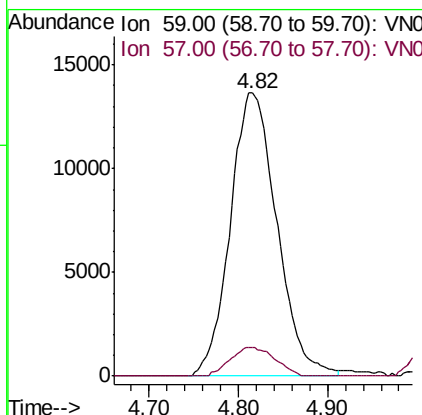
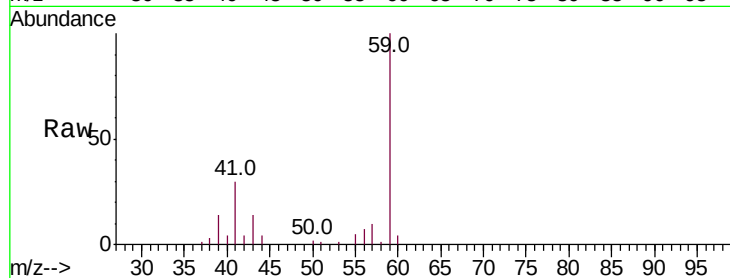
Tert butyl alcohol
 Concen: 98.794 ug/l
 RT: 4.82 min Scan# 946
 Delta R.T. 0.01 min
 Lab File: VN056121.D
 Acq: 8 Jun 2019 00:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBSD03

Tot Ion	59	Resp	49527
Ion Ratio	100	Lower	Upper
57	9.8	7.8	11.6

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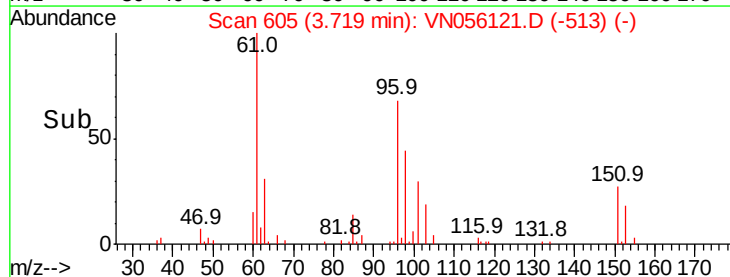
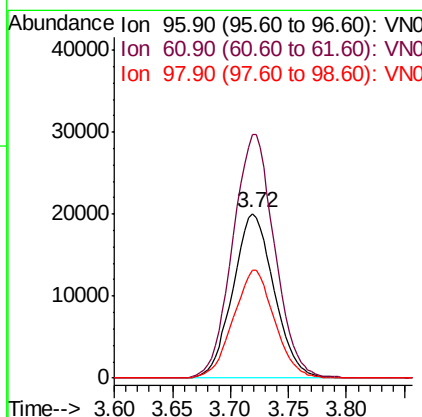
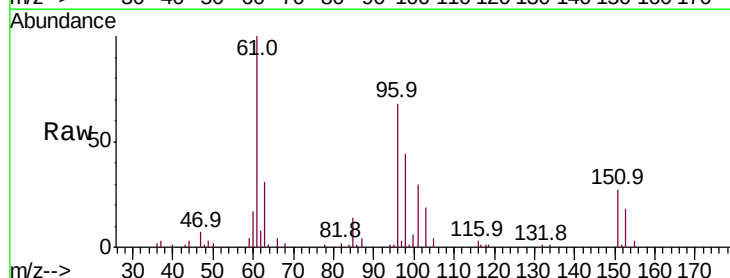
MMDadoda
 6/10/2019 11:26:21 AM

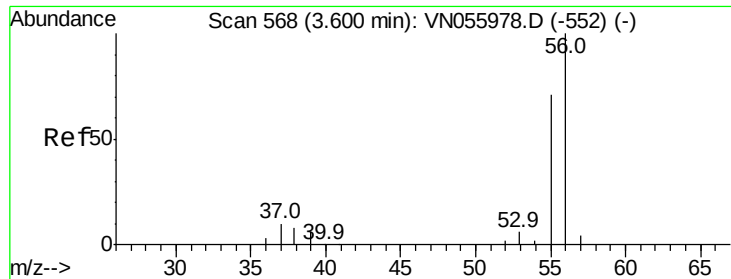


#12

1,1-Dichloroethene
 Concen: 20.328 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. -0.00 min
 Lab File: VN056121.D
 Acq: 8 Jun 2019 00:46

Tgt Ion	96	Resp	49511
Ion Ratio	100	Lower	Upper
61	147.9	123.2	184.8
98	65.7	50.4	75.6





#13

Acrolein

Concen: 75.057 ug/l

RT: 3.60 min Scan# 567

Delta R.T. -0.00 min

Lab File: VN056121.D

Acq: 8 Jun 2019 00:46

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBSD03

Tot Ion: 56 Resp: 10852

Ion Ratio Lower Upper

56 100

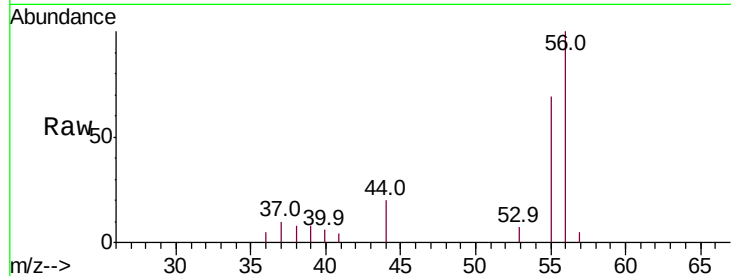
55 70.6 55.4 83.2

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.60

4000

3000

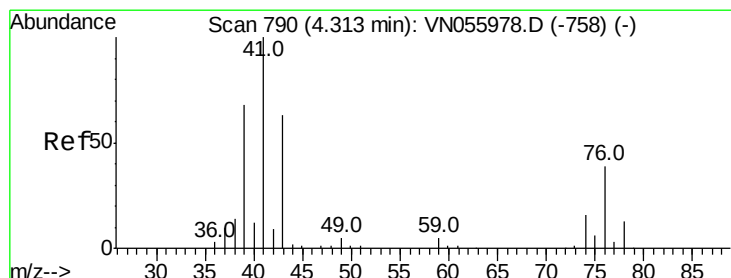
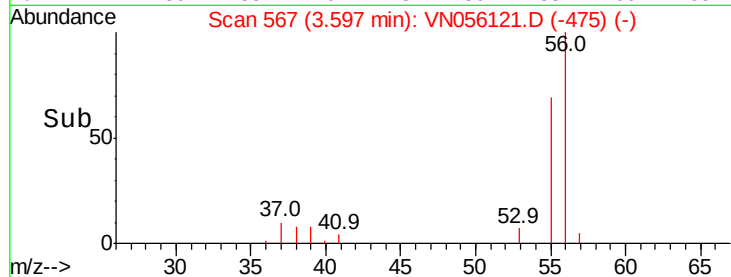
2000

1000

0

Time-->

3.55 3.60 3.65



#14

Allyl chloride

Concen: 19.096 ug/l

RT: 4.31 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN056121.D

Acq: 8 Jun 2019 00:46

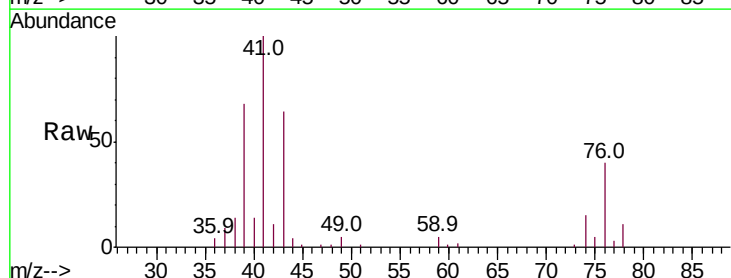
Tgt Ion: 41 Resp: 73443

Ion Ratio Lower Upper

41 100

39 62.6 50.0 75.0

76 33.9 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

4.31

30000

25000

20000

15000

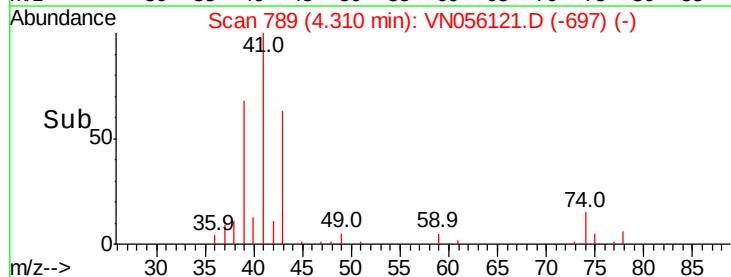
10000

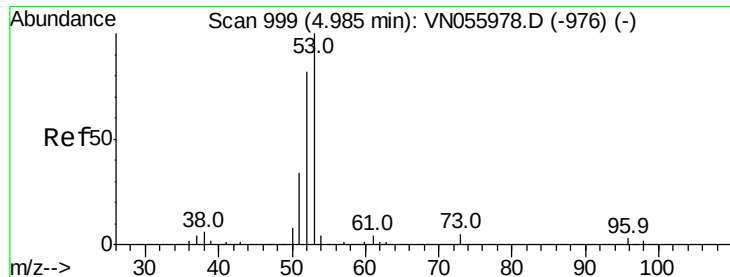
5000

0

Time-->

4.20 4.30 4.40





#15

Acrylonitrile

Concen: 114.845 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN056121.D

Acq: 8 Jun 2019 00:46

Instrument :

MSVOA_N

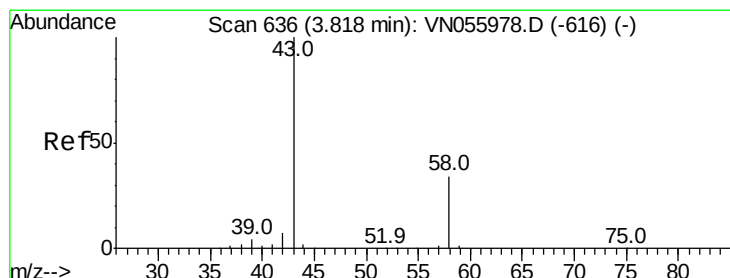
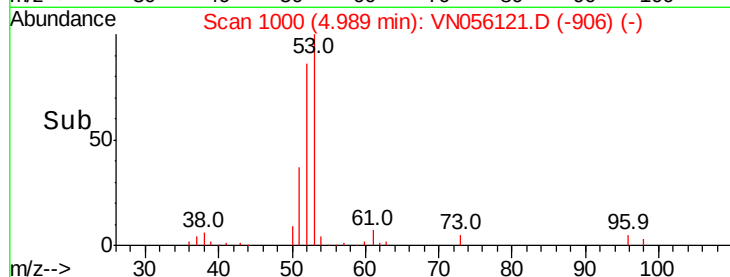
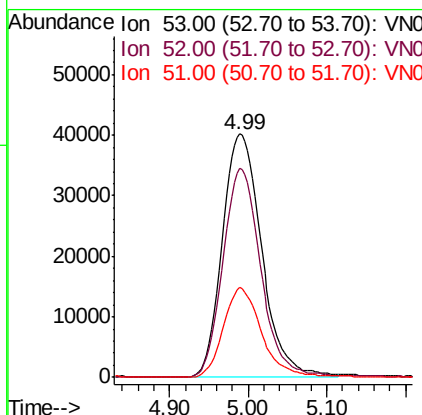
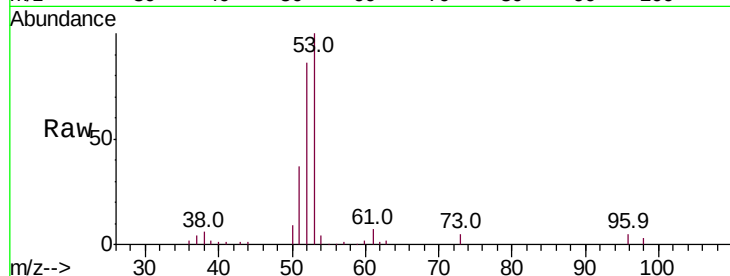
ClientSampleId :

VN0608WBSD03

Tot Ion:	53	Resp:	140150
Ion	Ratio	Lower	Upper
53	100		
52	82.6	65.8	98.8
51	35.8	28.2	42.4

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#16

Acetone

Concen: 84.083 ug/l

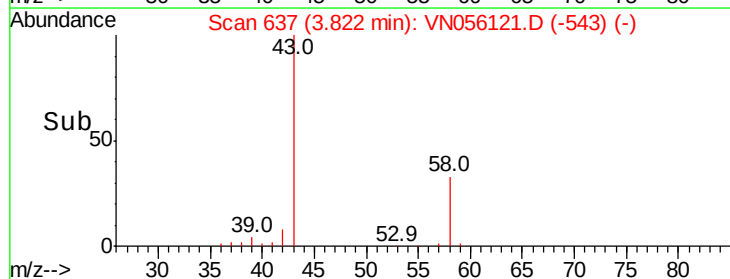
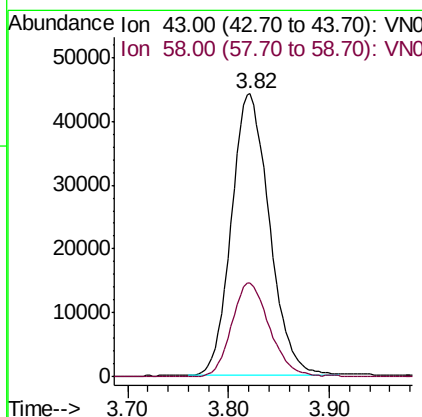
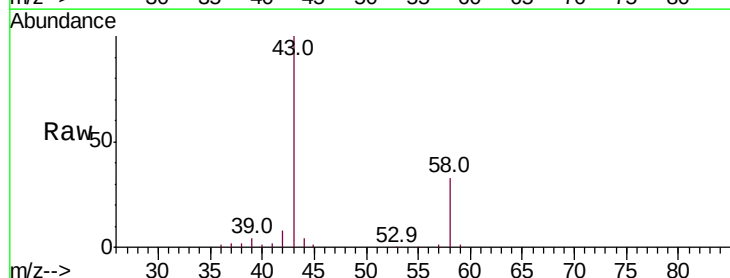
RT: 3.82 min Scan# 637

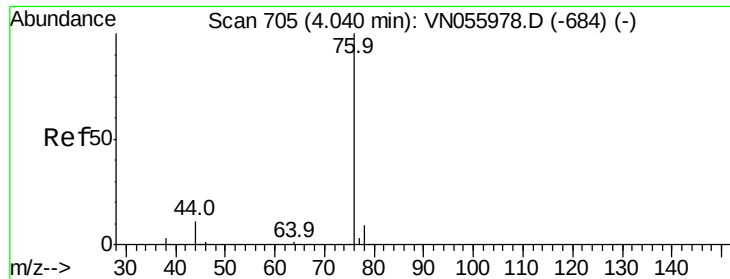
Delta R.T. 0.00 min

Lab File: VN056121.D

Acq: 8 Jun 2019 00:46

Tgt Ion:	43	Resp:	115847
Ion	Ratio	Lower	Upper
43	100		
58	33.1	26.6	39.8





#17

Carbon Disulfide

Concen: 16.827 ug/l

RT: 4.04 min Scan# 704

Delta R.T. -0.00 min

Lab File: VN056121.D

Acq: 8 Jun 2019 00:46

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBSD03

Tot Ion: 76 Resp: 98130

Ion Ratio Lower Upper

76 100

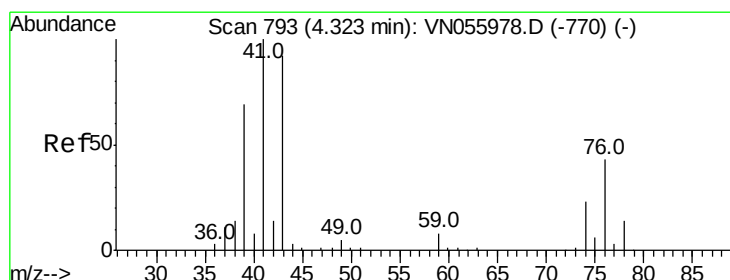
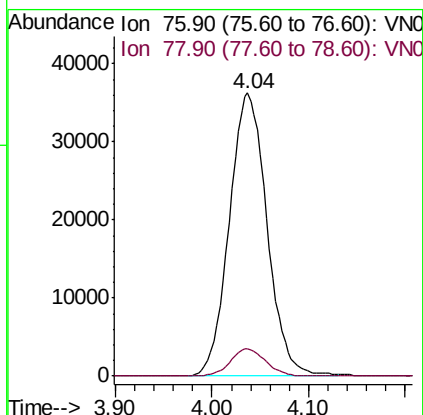
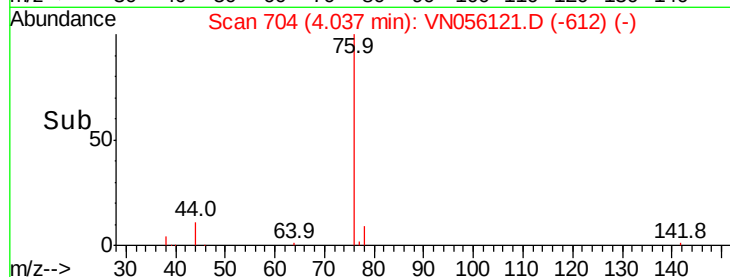
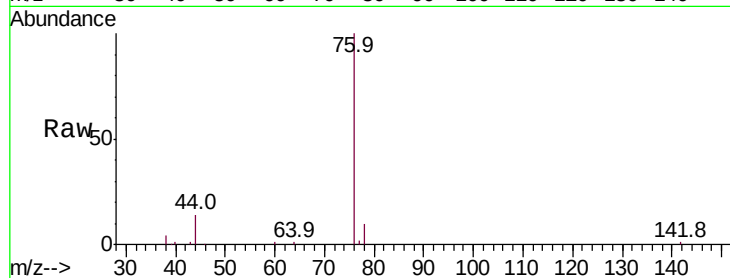
78 9.6 7.4 11.2

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#18

Methyl Acetate

Concen: 24.225 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN056121.D

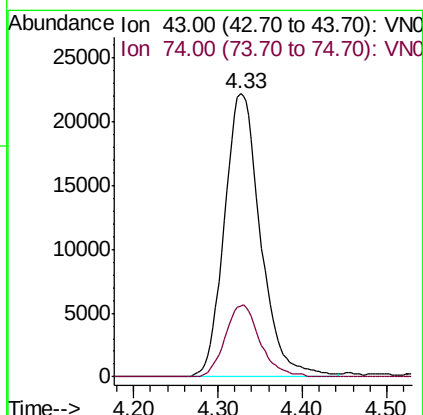
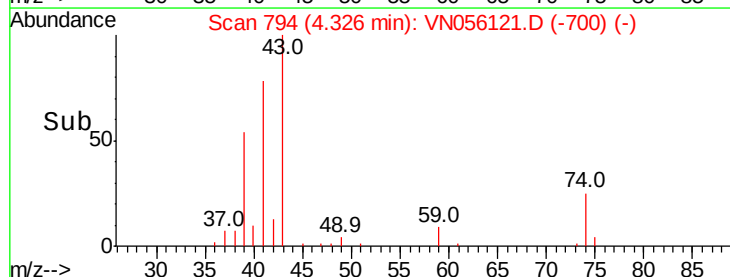
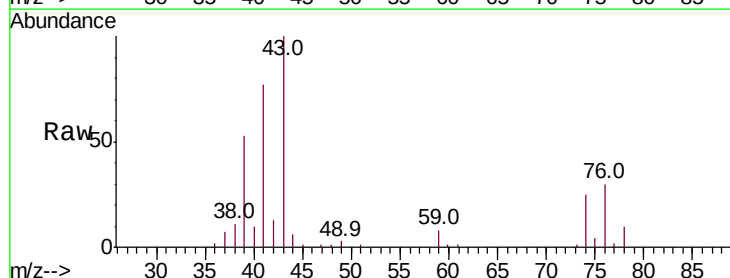
Acq: 8 Jun 2019 00:46

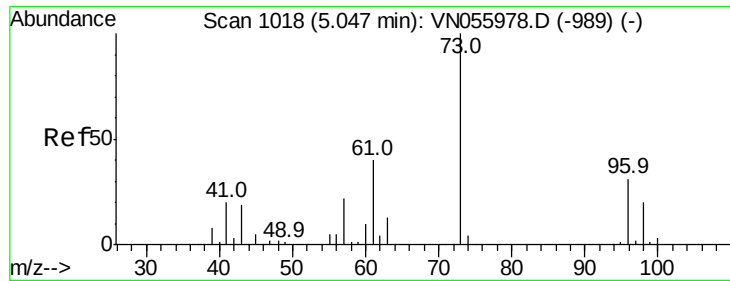
Tgt Ion: 43 Resp: 66369

Ion Ratio Lower Upper

43 100

74 24.4 19.3 28.9





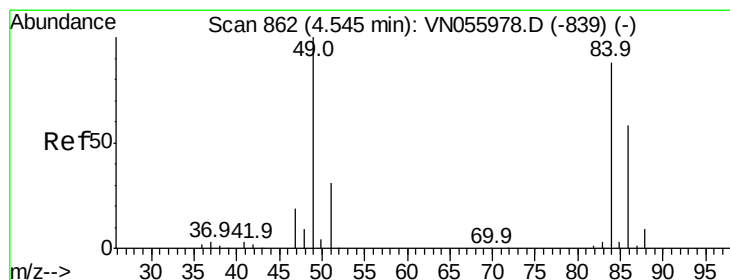
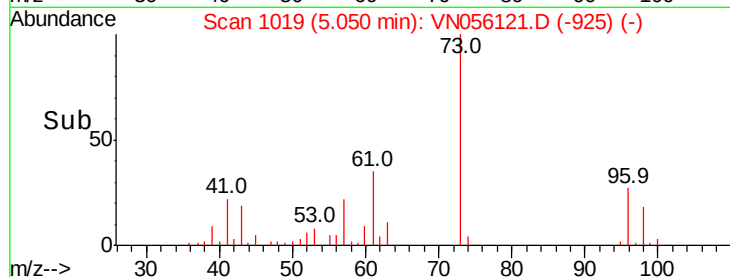
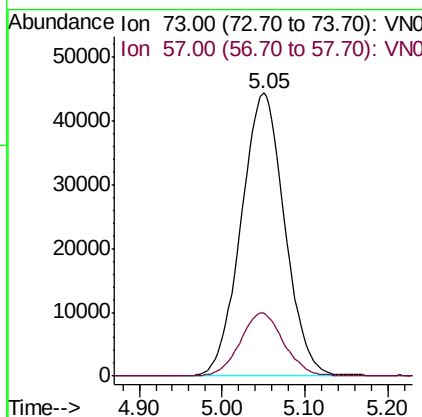
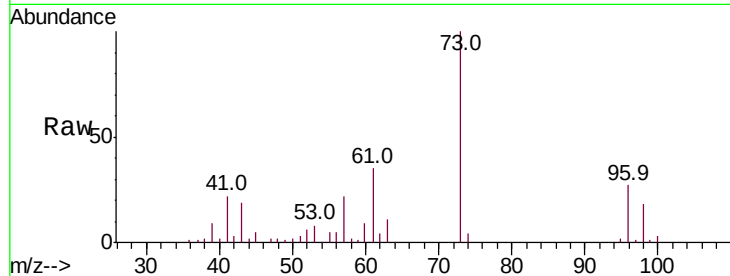
#19
Methyl tert-butyl Ether
Concen: 20.833 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN056121.D
Acq: 8 Jun 2019 00:46

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBSD03

Tot Ion: 73 Resp: 161736
Ion Ratio Lower Upper
73 100
57 22.1 17.8 26.8

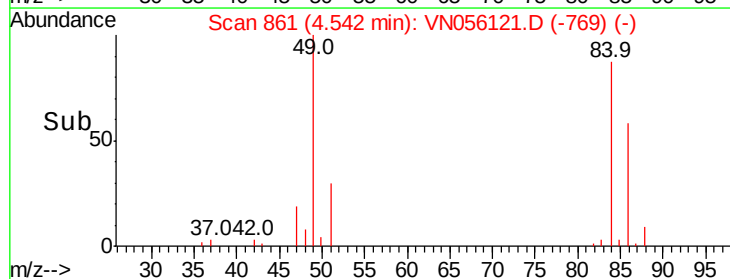
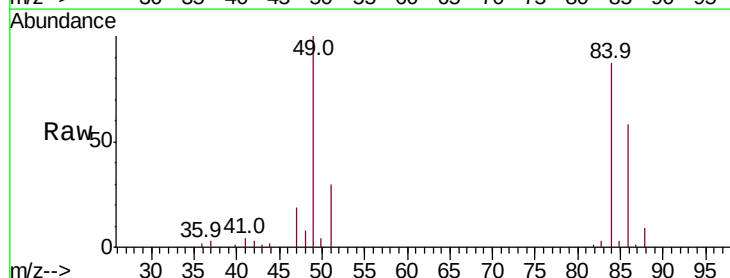
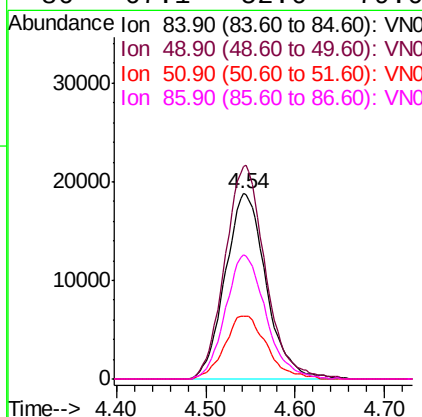
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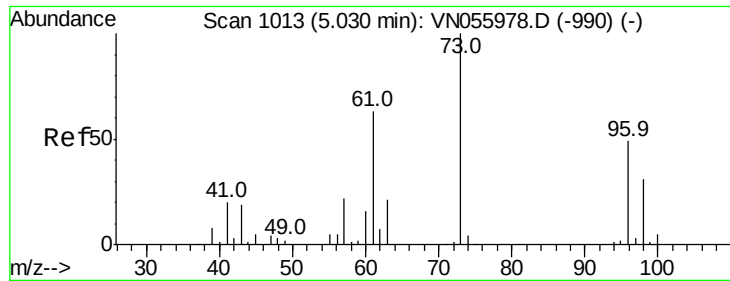
MMDadoda
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#20
Methylene Chloride
Concen: 21.073 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN056121.D
Acq: 8 Jun 2019 00:46

Tgt Ion: 84 Resp: 59816
Ion Ratio Lower Upper
84 100
49 114.8 93.5 140.3
51 33.9 28.6 43.0
86 67.1 52.6 79.0





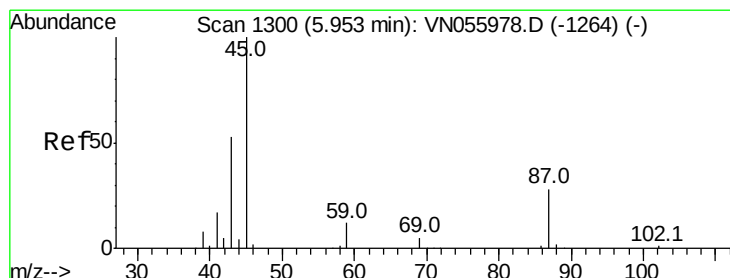
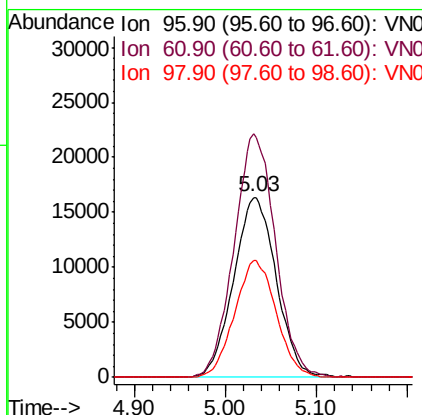
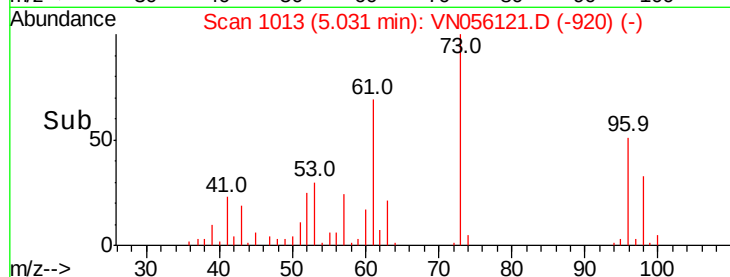
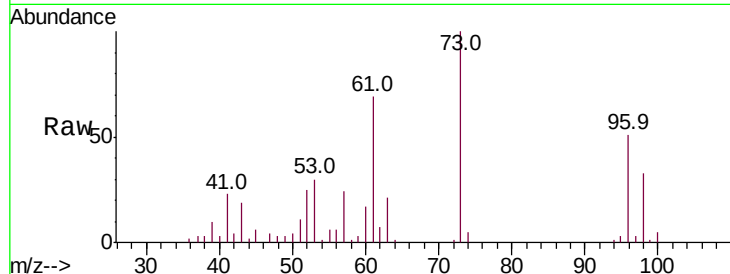
#21
trans-1,2-Dichloroethene
Concen: 20.420 ug/l
RT: 5.03 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VN056121.D
Acq: 8 Jun 2019 00:46

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBSD03

Tot Ion: 96 Resp: 53290
Ion Ratio Lower Upper
96 100
61 135.3 107.8 161.8
98 64.9 49.8 74.8

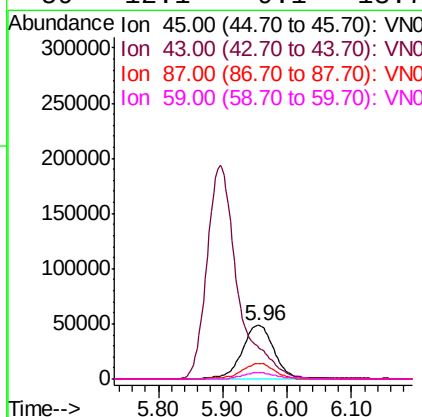
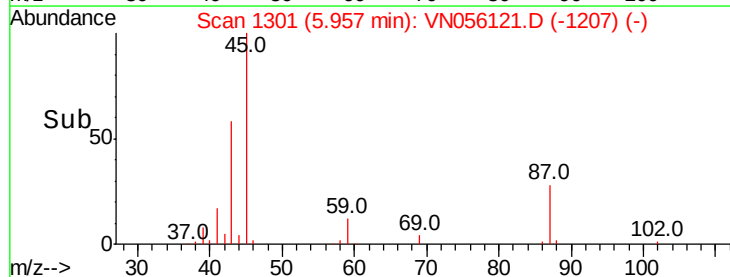
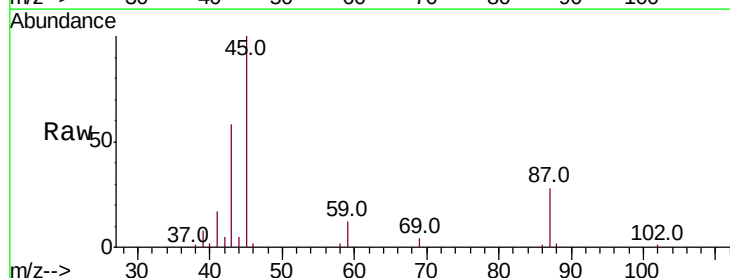
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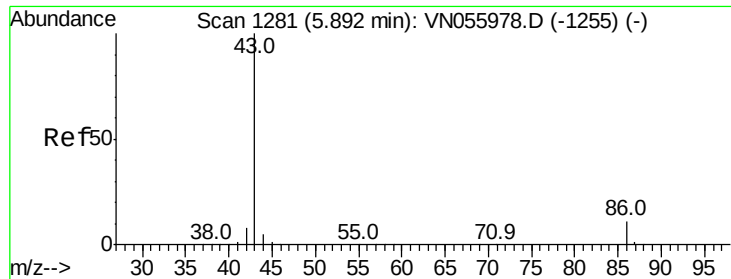
MMDadoda
6/10/2019 11:26:21 AM



#22
Diisopropyl ether
Concen: 21.288 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN056121.D
Acq: 8 Jun 2019 00:46

Tgt Ion: 45 Resp: 169244
Ion Ratio Lower Upper
45 100
43 56.5 45.0 67.6
87 27.8 22.2 33.4
59 12.1 9.1 13.7





#23

Vinyl Acetate

Concen: 103.166 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN056121.D

Acq: 8 Jun 2019 00:46

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBSD03

Tot Ion: 43 Resp: 645896

Ion Ratio Lower Upper

43 100

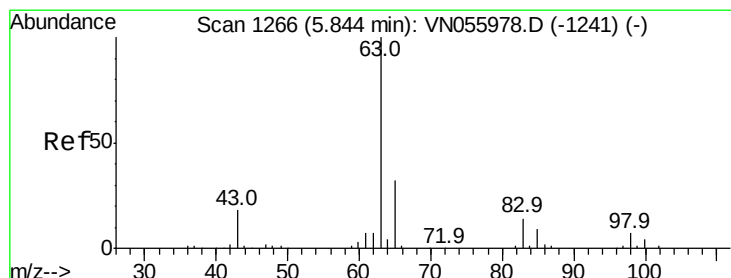
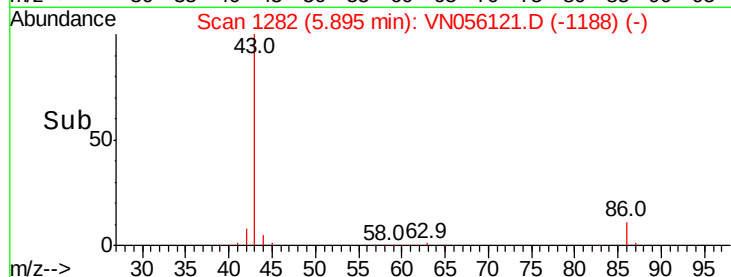
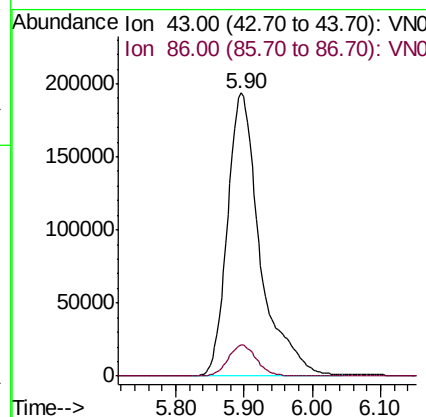
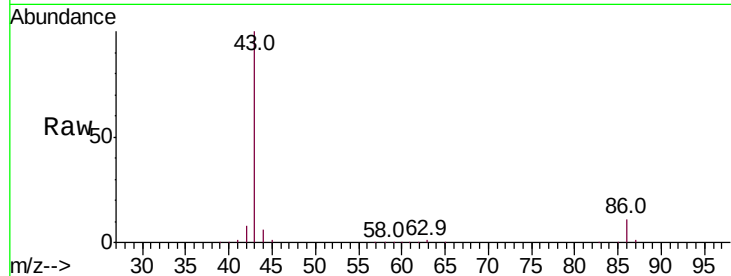
86 10.9 8.6 13.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 21.058 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN056121.D

Acq: 8 Jun 2019 00:46

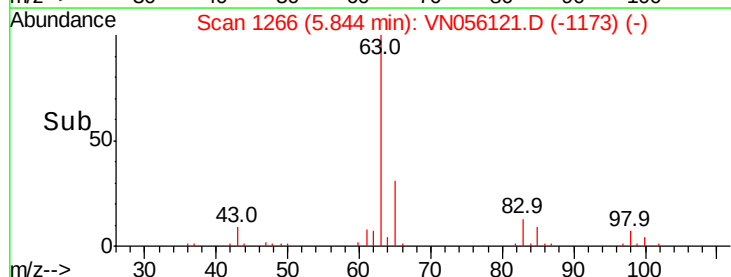
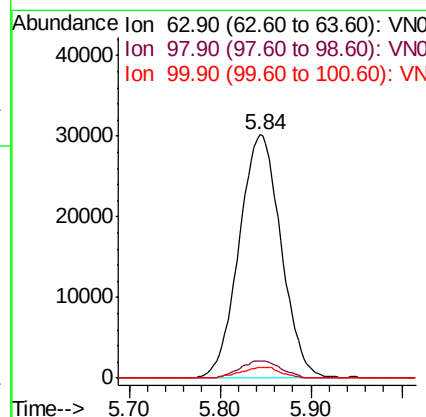
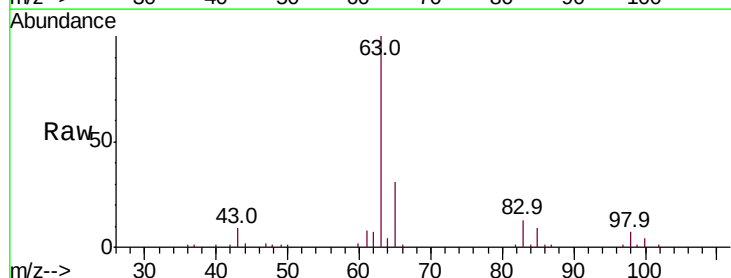
Tgt Ion: 63 Resp: 96571

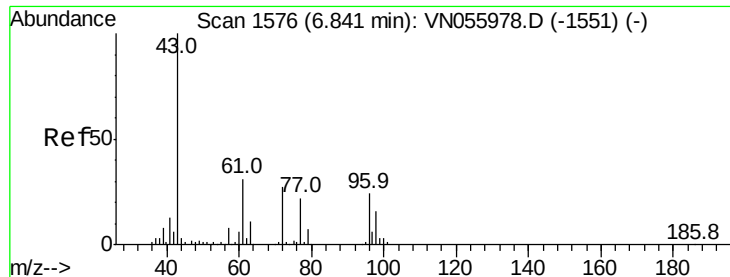
Ion Ratio Lower Upper

63 100

98 7.2 3.4 10.1

100 4.3 2.2 6.6





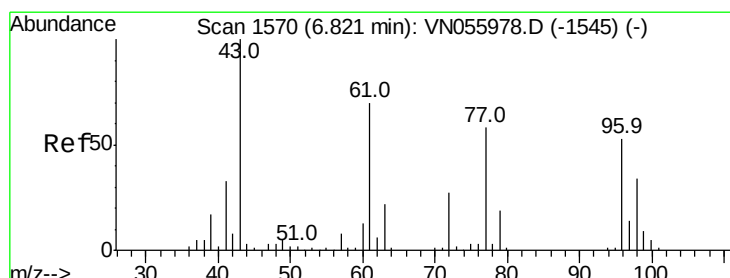
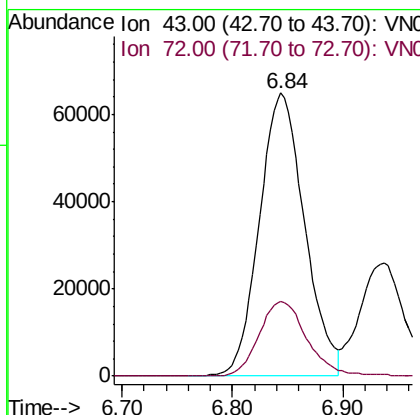
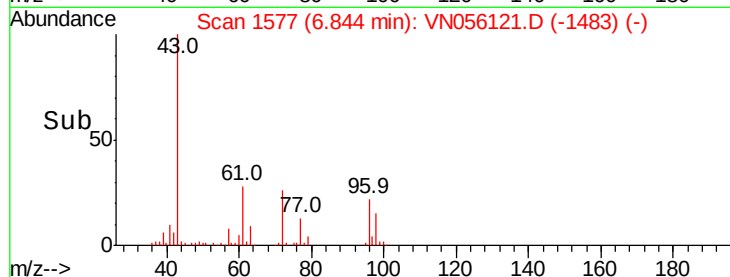
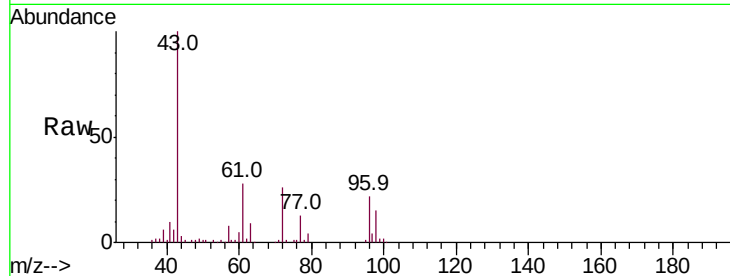
#25
2-Butanone
Concen: 105.956 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.00 min
Lab File: VN056121.D
Acq: 8 Jun 2019 00:46

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBSD03

Tot Ion: 43 Resp: 184445
Ion Ratio Lower Upper
43 100
72 26.3 21.9 32.9

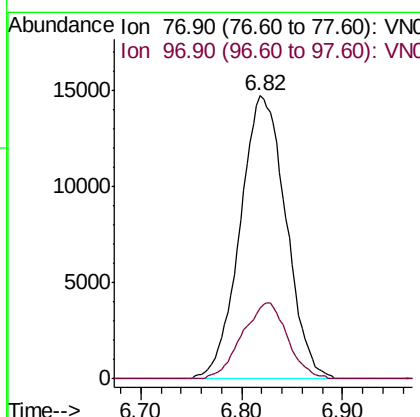
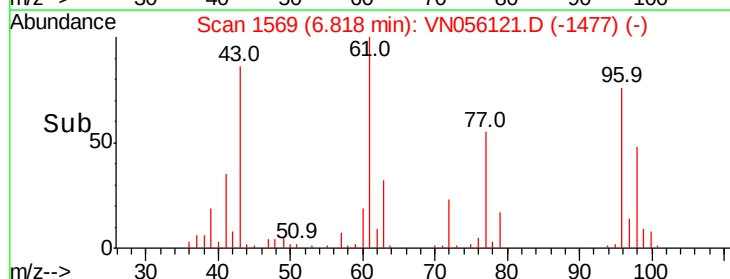
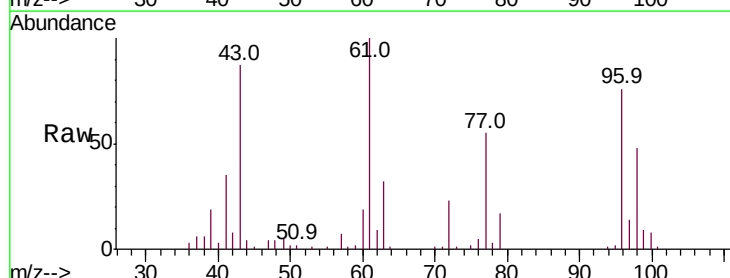
Manual Integrations
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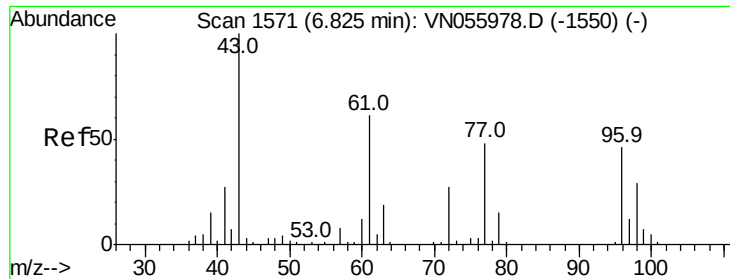
MMDadoda
6/10/2019 11:26:21 AM



#26
2,2-Dichloropropane
Concen: 13.001 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. -0.00 min
Lab File: VN056121.D
Acq: 8 Jun 2019 00:46

Tgt Ion: 77 Resp: 46525
Ion Ratio Lower Upper
77 100
97 26.6 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 20.821 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN056121.D

Acq: 8 Jun 2019 00:46

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBSD03

Tot Ion: 96 Resp: 63869

Ion Ratio Lower Upper

96 100

61 129.6 0.0 275.8

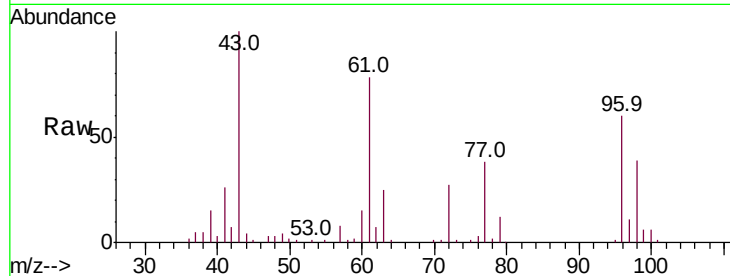
98 64.1 0.0 128.4

Manual Integrations

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MMDadoda

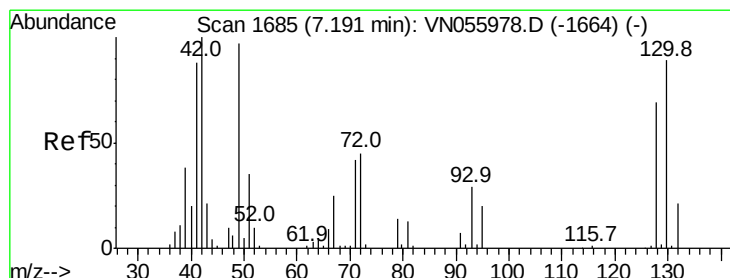
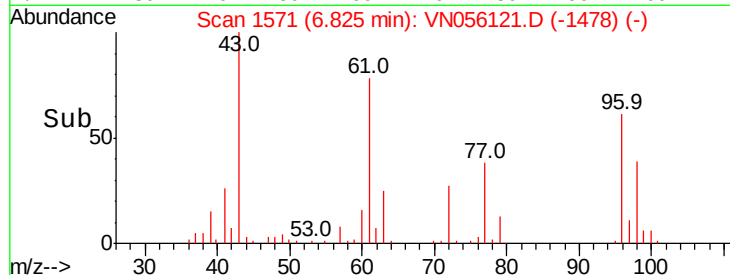
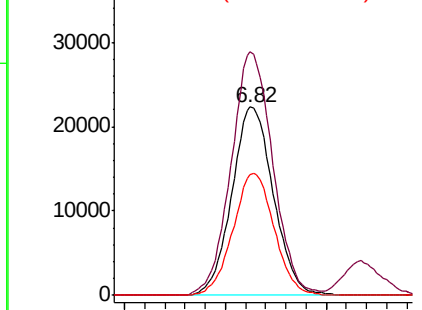
6/10/2019 11:26:21 AM



Abundance Ion 95.90 (95.60 to 96.60): VN055978.D (-1550) (-)

Ion 60.90 (60.60 to 61.60): VN055978.D (-1550) (-)

Ion 97.90 (97.60 to 98.60): VN055978.D (-1550) (-)



#28

Bromochloromethane

Concen: 20.193 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN056121.D

Acq: 8 Jun 2019 00:46

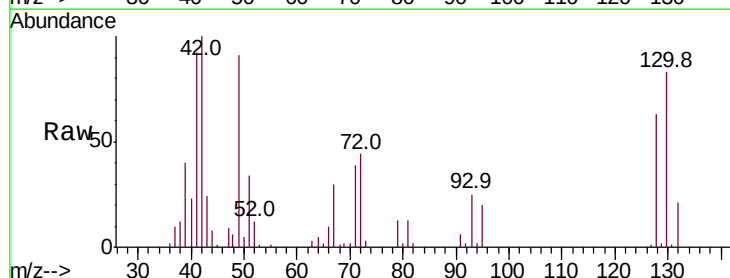
Tgt Ion: 49 Resp: 43792

Ion Ratio Lower Upper

49 100

129 0.8 0.0 4.4

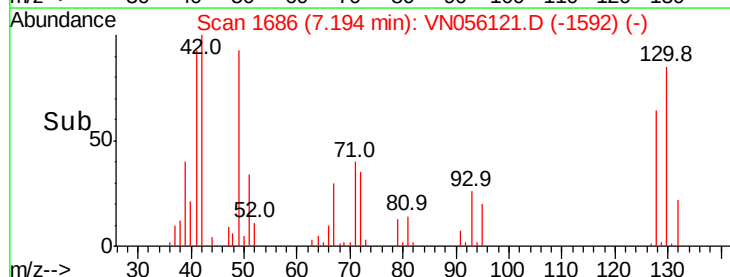
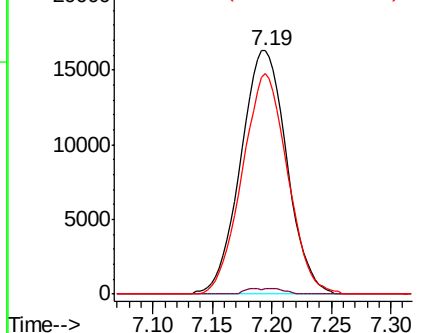
130 89.0 71.2 106.8

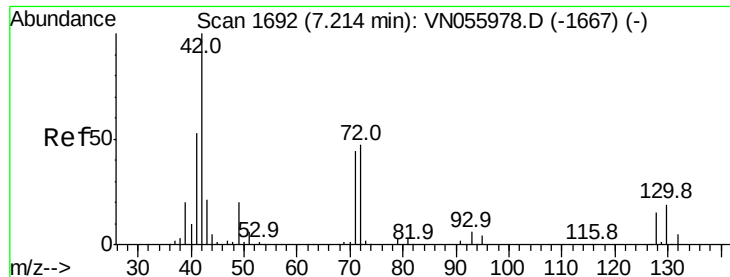


Abundance Ion 48.90 (48.60 to 49.60): VN055978.D (-1664) (-)

Ion 128.80 (128.50 to 129.50): VN055978.D (-1664) (-)

Ion 129.80 (129.50 to 130.50): VN055978.D (-1664) (-)





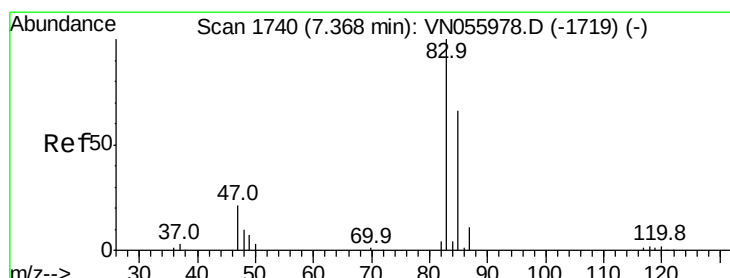
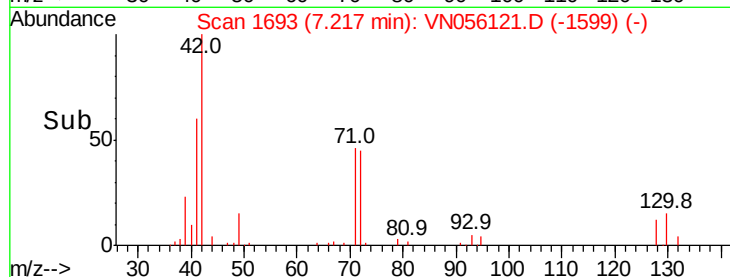
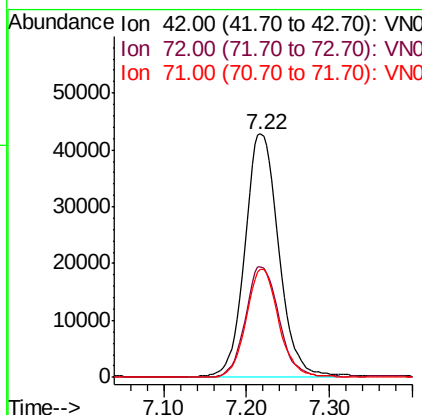
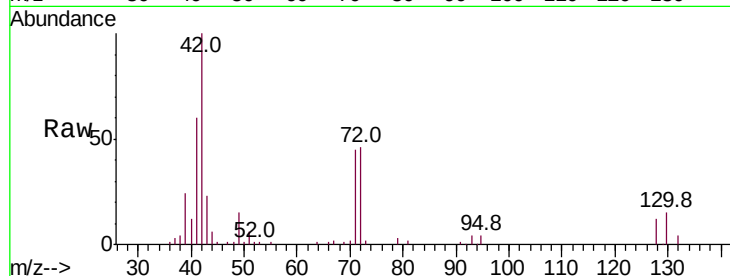
#29
Tetrahydrofuran
Concen: 113.144 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN056121.D
Acq: 8 Jun 2019 00:46

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBSD03

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.9	35.9	53.9
71	42.5	34.0	51.0

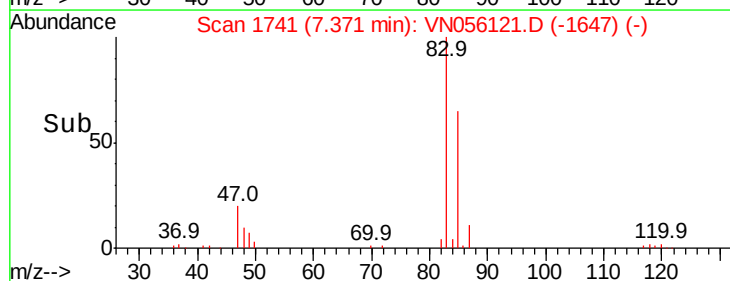
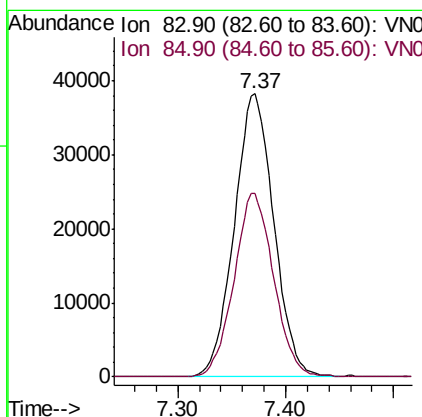
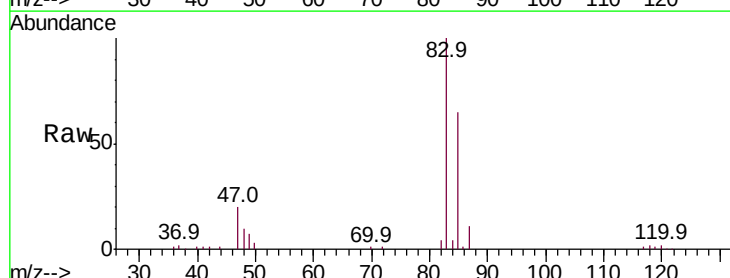
Manual Integrations
APPROVED

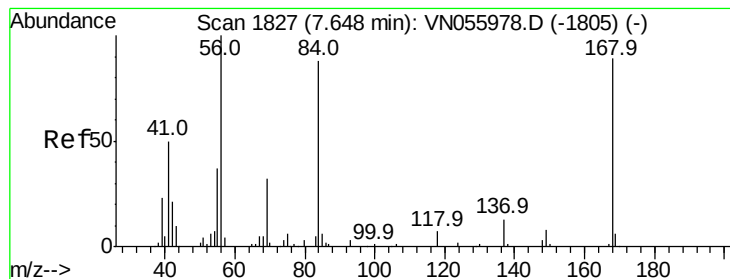
MMDadoda
6/10/2019 11:26:21 AM



#30
Chloroform
Concen: 21.118 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056121.D
Acq: 8 Jun 2019 00:46

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.8	77.8





#31

Cyclohexane

Concen: 19.790 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN056121.D

Acq: 8 Jun 2019 00:46

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBSD03

Tot Ion: 56 Resp: 90464

Ion Ratio Lower Upper

56 100

69 36.0 25.6 38.4

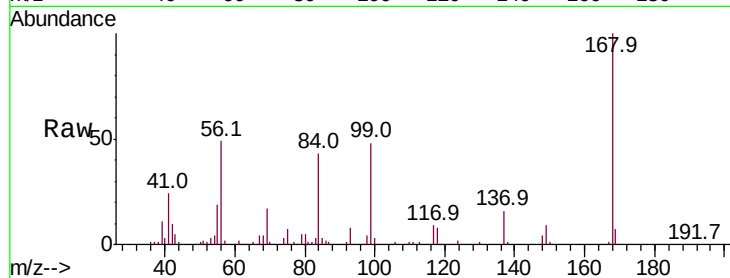
84 87.1 67.4 101.0

Manual Integrations

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MMDadoda

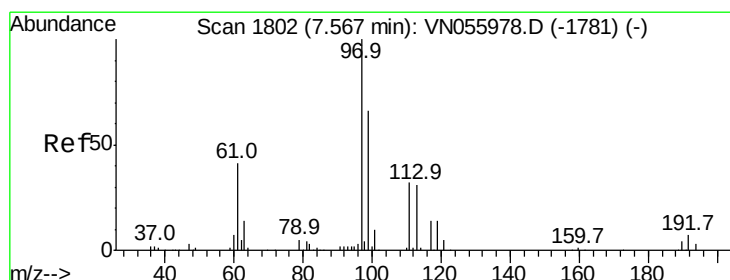
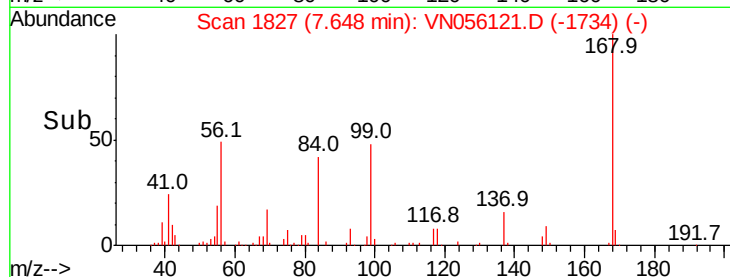
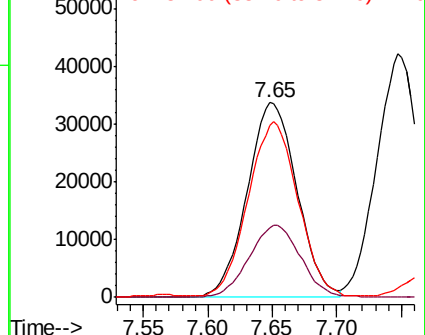
6/10/2019 11:26:21 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 19.952 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN056121.D

Acq: 8 Jun 2019 00:46

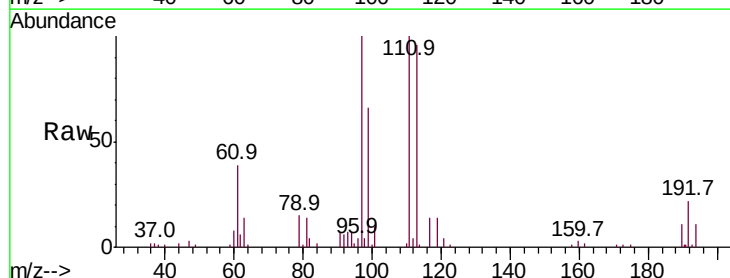
Tgt Ion: 97 Resp: 76863

Ion Ratio Lower Upper

97 100

99 64.6 52.0 78.0

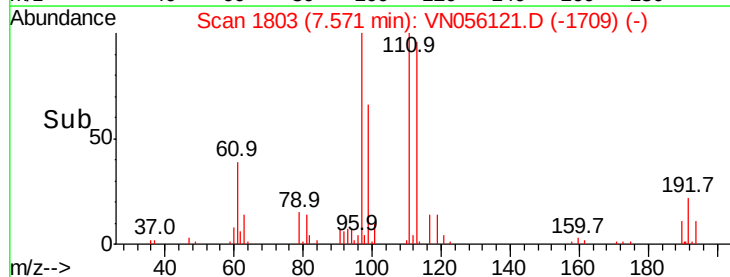
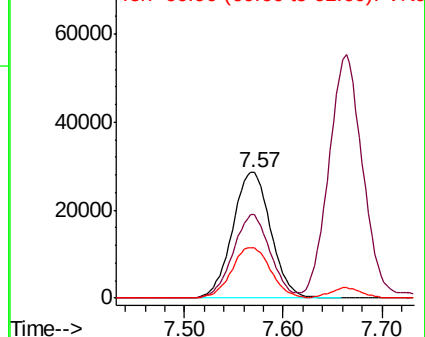
61 41.2 32.9 49.3

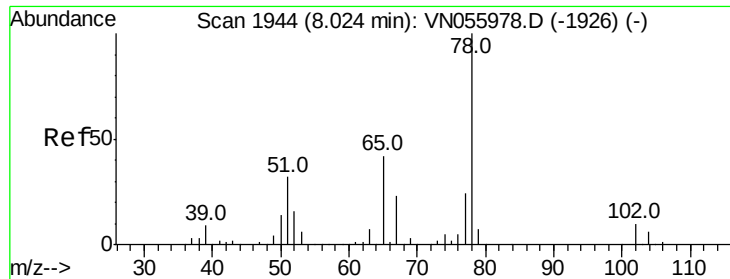


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





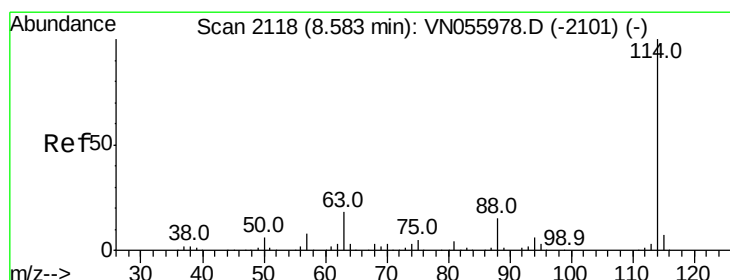
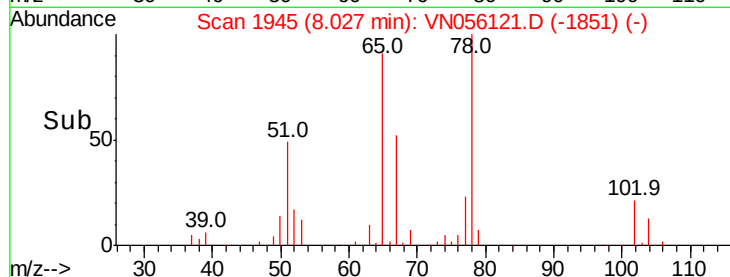
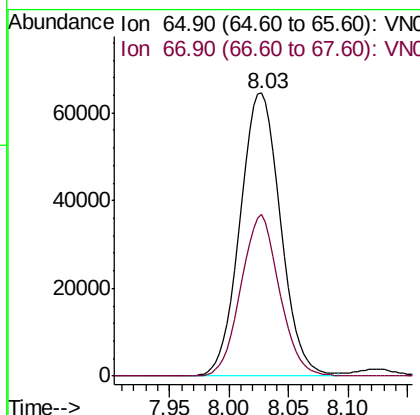
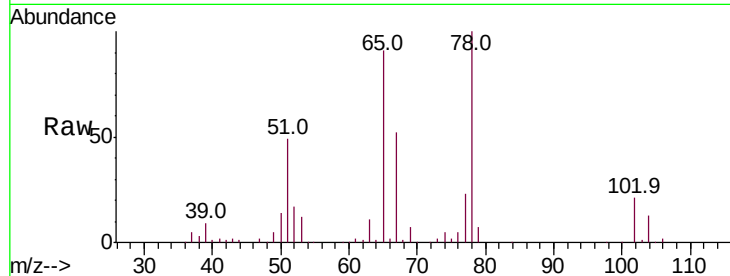
#33
 1,2-Dichloroethane-d4
 Concen: 52.808 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056121.D
 Acq: 8 Jun 2019 00:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBSD03

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.4	0.0	109.2	

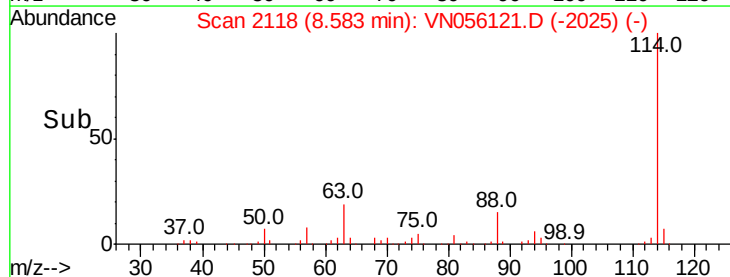
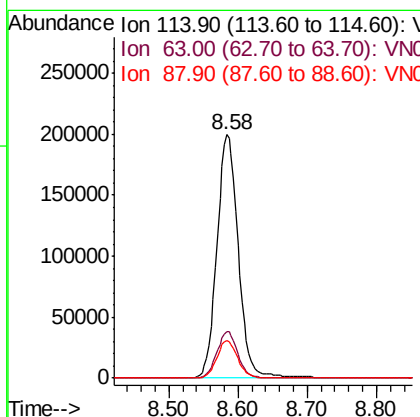
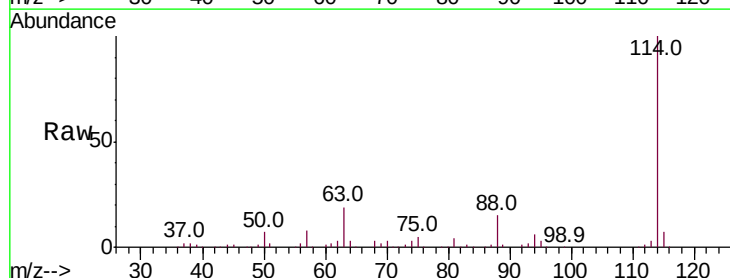
Manual Integrations
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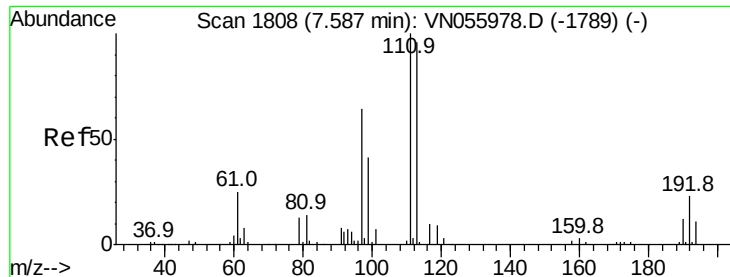
MMDadoda
 6/10/2019 11:26:21 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056121.D
 Acq: 8 Jun 2019 00:46

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.9	0.0	39.2	
88	15.3	0.0	31.0	





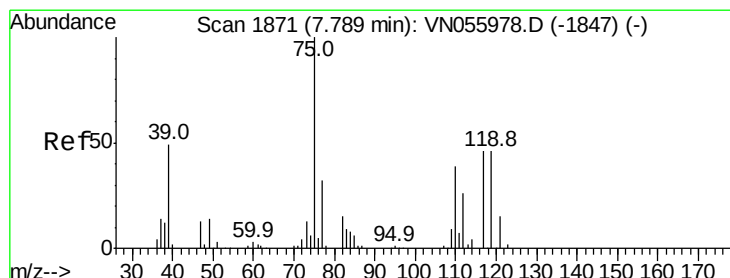
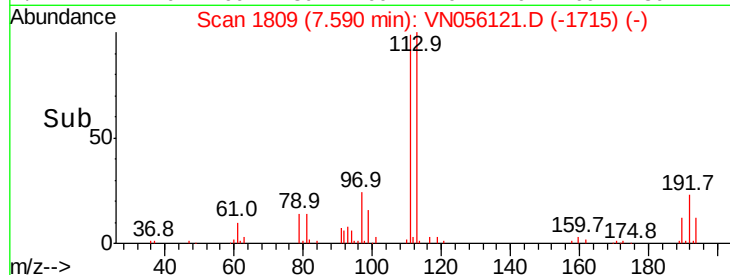
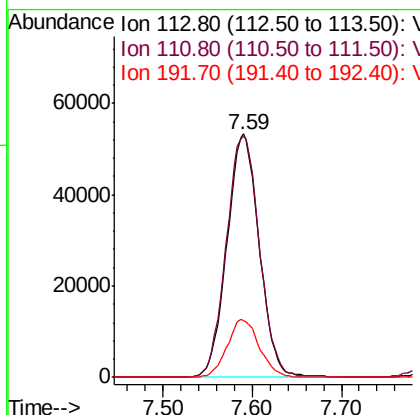
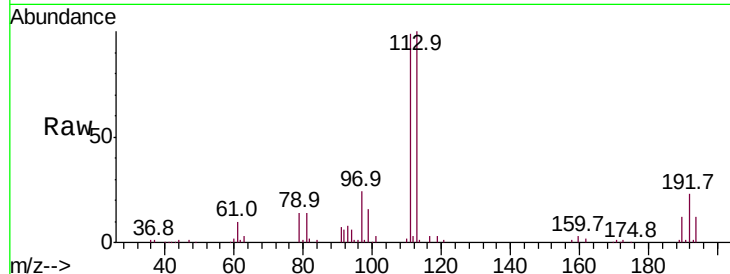
#35
 Dibromofluoromethane
 Concen: 50.887 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056121.D
 Acq: 8 Jun 2019 00:46

Instrument :
 MSVOA_N
 ClientSampled :
 VN0608WBSD03

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.2	81.9	122.9	
192	23.7	19.5	29.3	

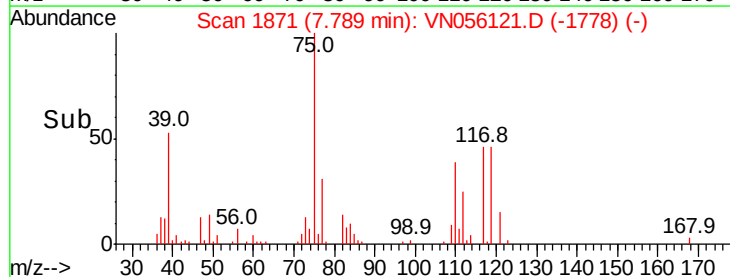
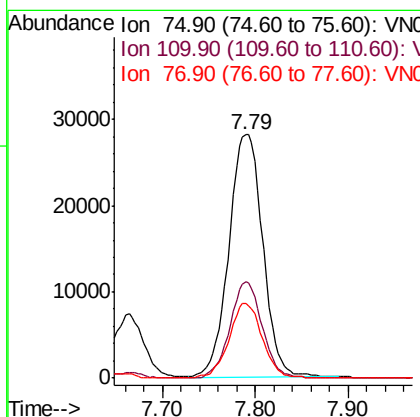
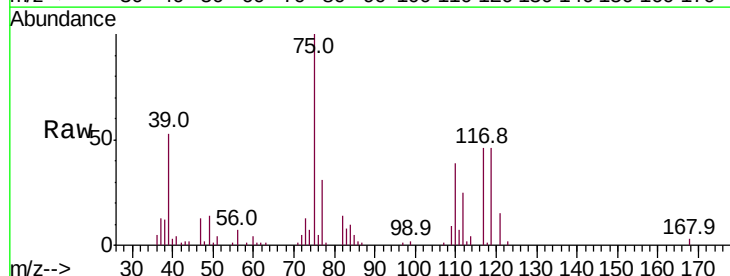
Manual Integrations
 APPROVED

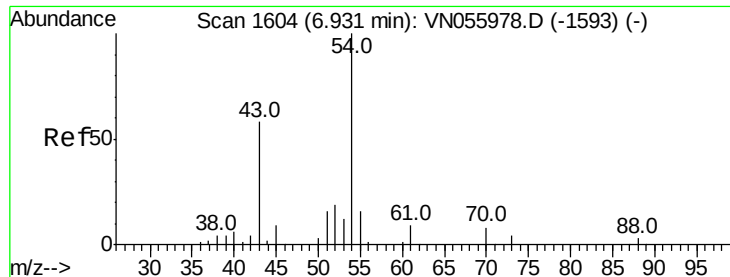
MMDadoda
 6/10/2019 11:26:21 AM



#36
 1,1-Dichloropropene
 Concen: 19.396 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN056121.D
 Acq: 8 Jun 2019 00:46

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	37.6	19.0	57.0	
77	30.2	25.1	37.7	





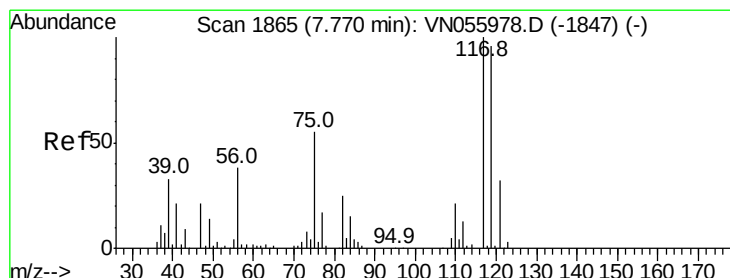
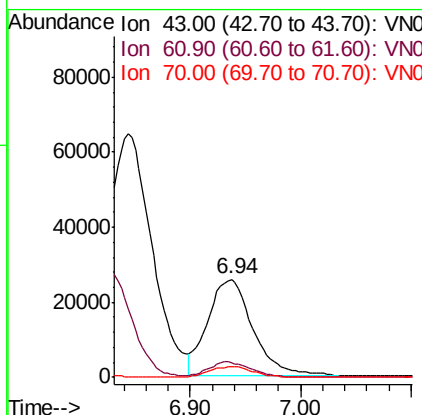
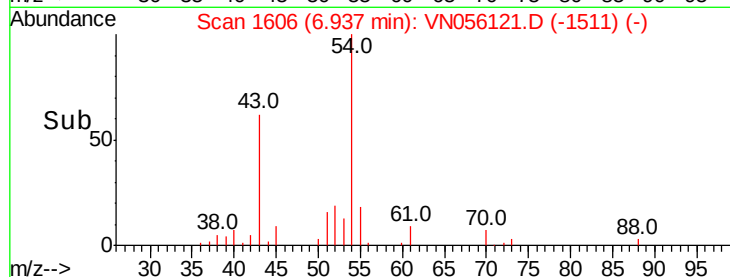
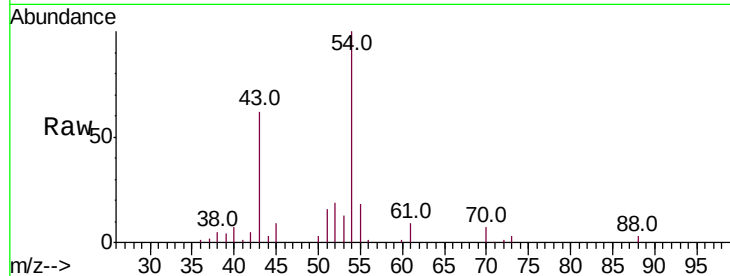
#37
Ethyl Acetate
Concen: 22.296 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.01 min
Lab File: VN056121.D
Acq: 8 Jun 2019 00:46

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBSD03

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.1	12.2	18.2
70	10.8	8.9	13.3

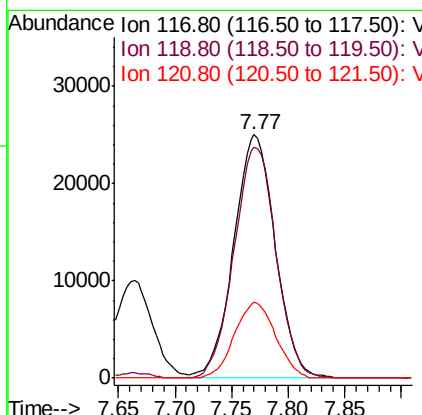
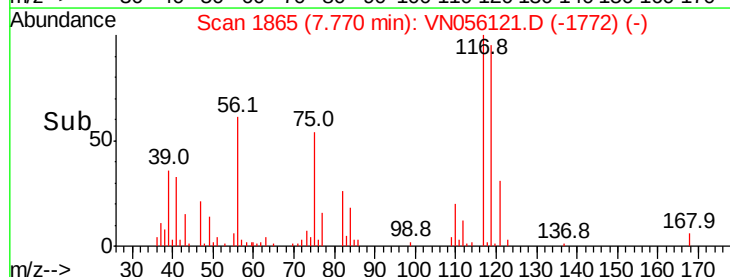
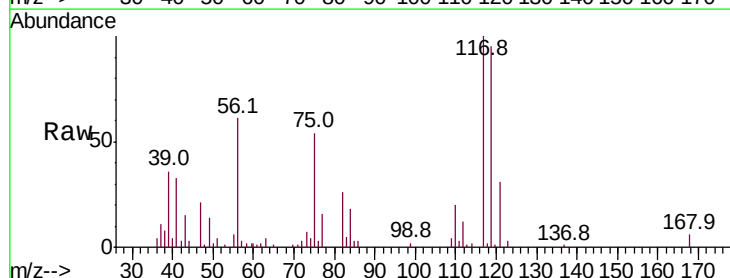
Manual Integrations
APPROVED

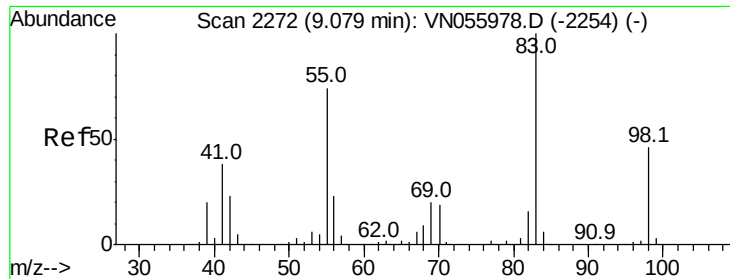
MMDadoda
6/10/2019 11:26:21 AM



#38
Carbon Tetrachloride
Concen: 18.850 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN056121.D
Acq: 8 Jun 2019 00:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.0	79.0	118.6
121	31.4	24.7	37.1





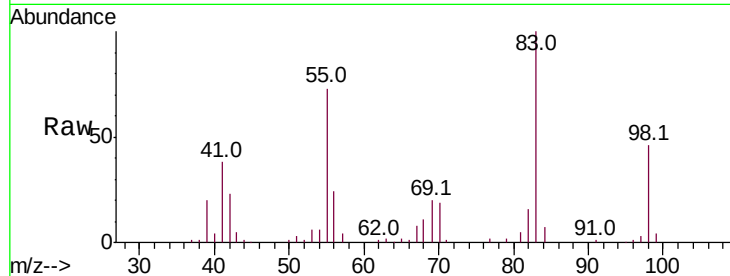
#39
Methvlcvclohexane
Concen: 18.706 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056121.D
Acq: 8 Jun 2019 00:46

Instrument :
MSVOA_N
ClientSampled :
VN0608WBSD03

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.3	59.3	88.9
98	45.5	36.6	54.8

Manual Integrations
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MMDadoda
6/10/2019 11:26:21 AM

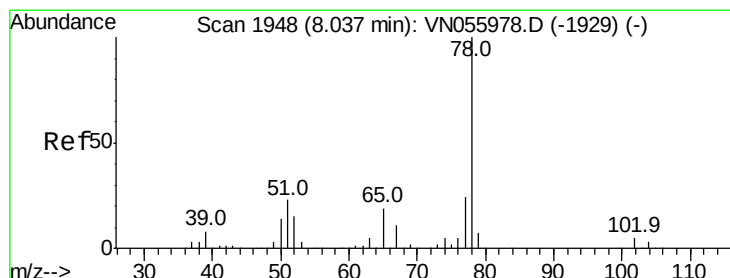
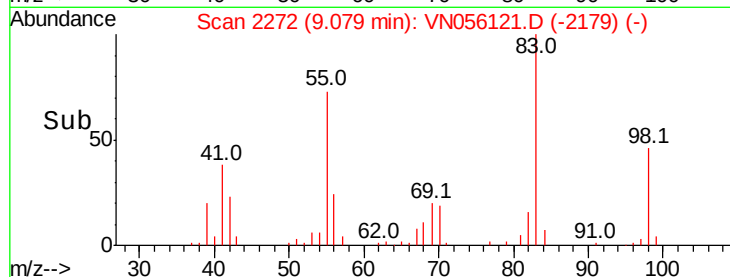
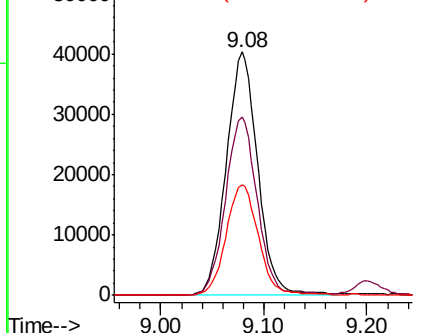


Abundance

Ion 83.00 (82.70 to 83.70): VN0

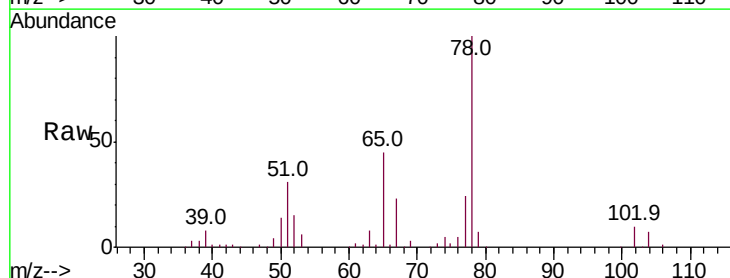
Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#40
Benzene
Concen: 20.688 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056121.D
Acq: 8 Jun 2019 00:46

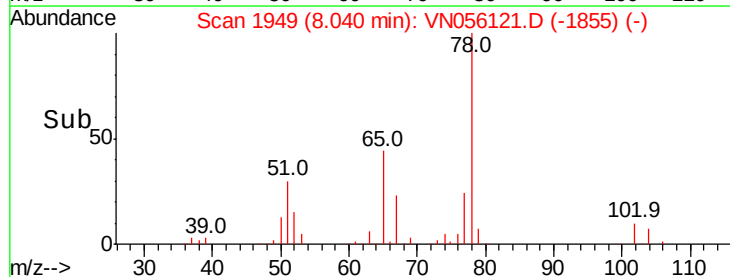
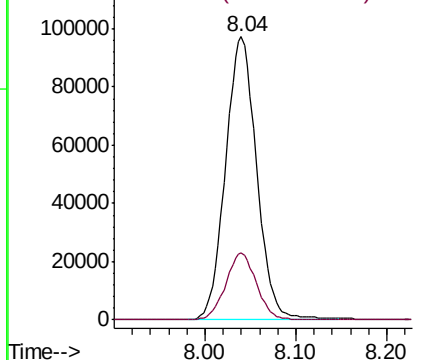
Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.8	28.2

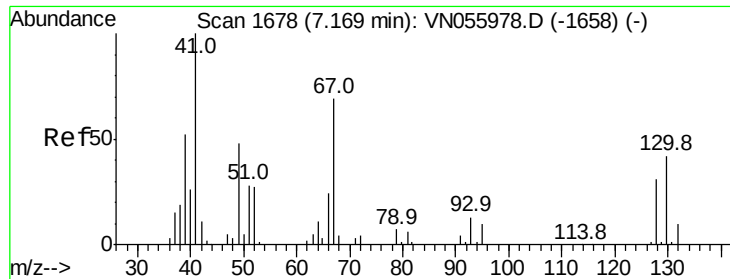


Abundance

Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





#41

Methacrylonitrile

Concen: 16.590 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VN056121.D

Acq: 8 Jun 2019 00:46

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBSD03

Tot Ion: 41 Resp: 24992

Ion Ratio Lower Upper

41 100

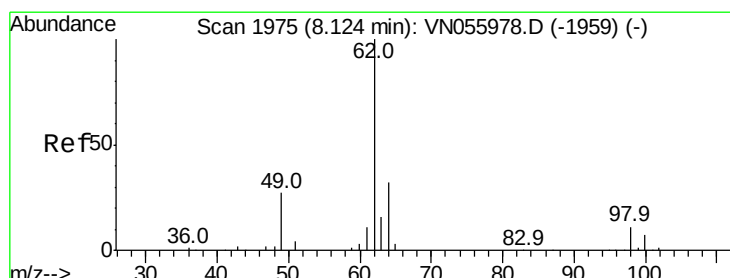
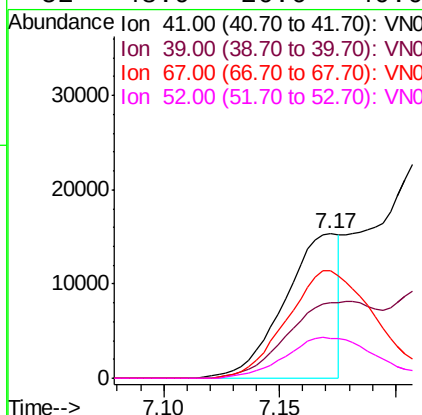
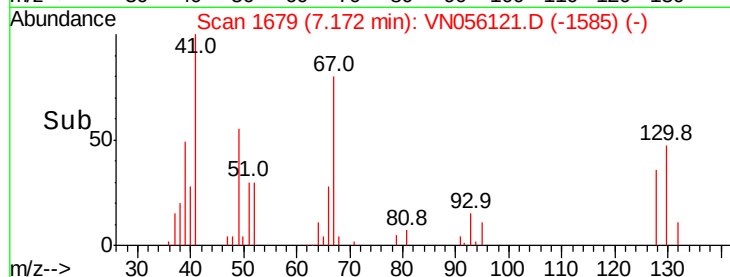
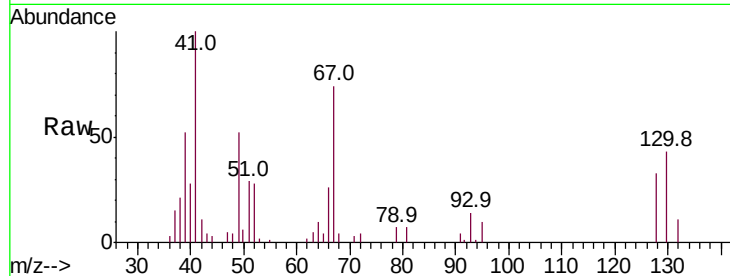
39 87.0 45.6 68.4#

67 123.8 67.7 101.5#

52 48.9 26.6 40.0#

Manual Integrations
APPROVED

MMDadoda
6/10/2019 11:26:21 AM



#42

1,2-Dichloroethane

Concen: 20.525 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. 0.00 min

Lab File: VN056121.D

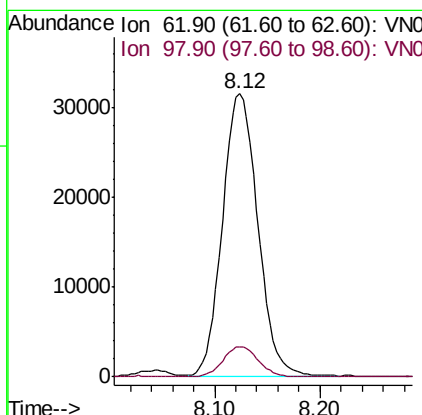
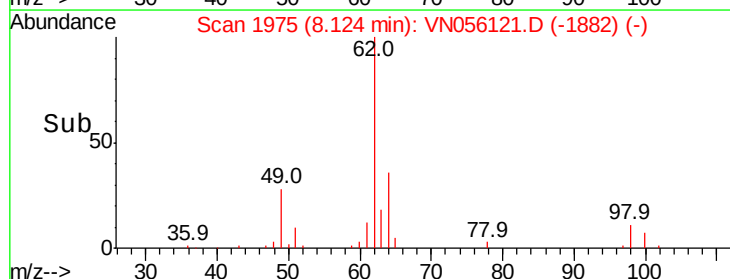
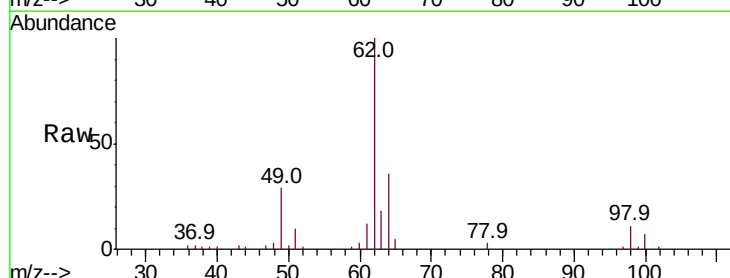
Acq: 8 Jun 2019 00:46

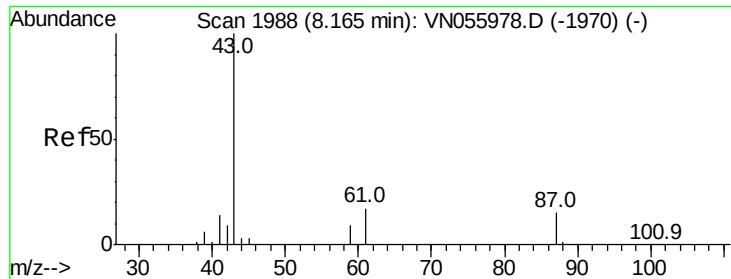
Tgt Ion: 62 Resp: 73789

Ion Ratio Lower Upper

62 100

98 10.4 0.0 20.2





#43

Isopropyl Acetate

Concen: 20.530 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056121.D

Acq: 8 Jun 2019 00:46

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBSD03

Tot Ion: 43 Resp: 108927

Ion Ratio Lower Upper

43 100

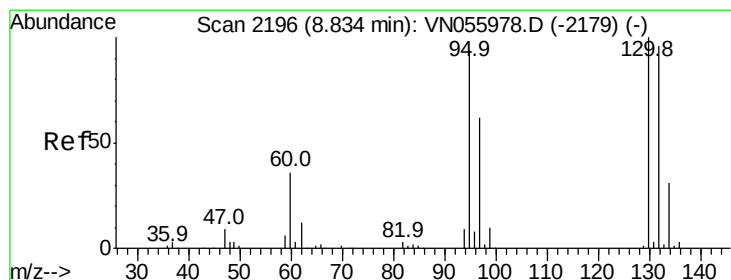
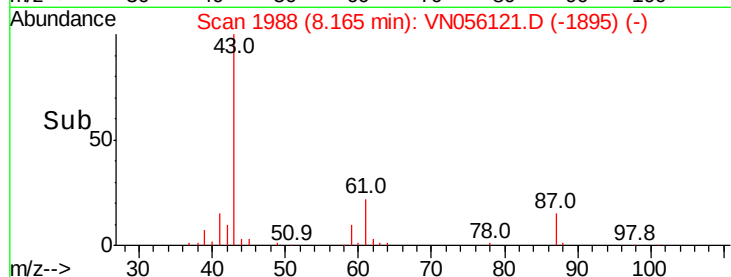
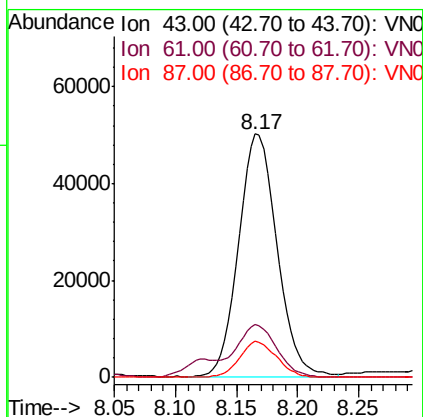
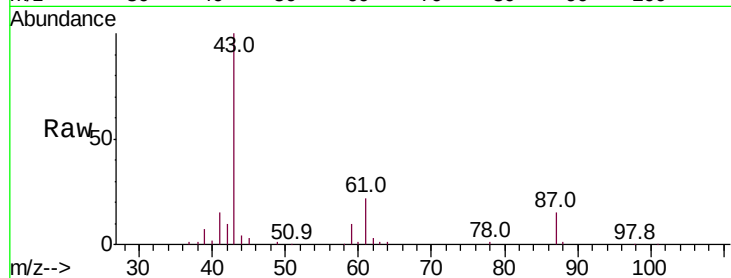
61 21.5 22.2 33.4#

87 14.3 11.4 17.2

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#44

Trichloroethene

Concen: 19.638 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN056121.D

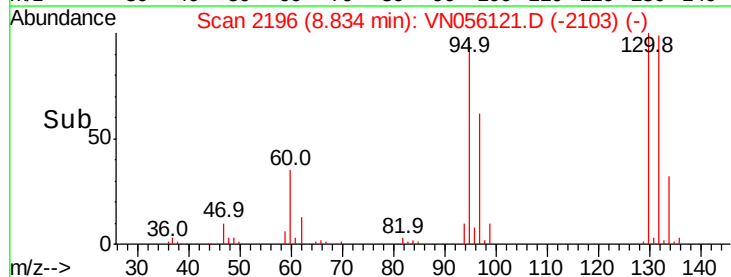
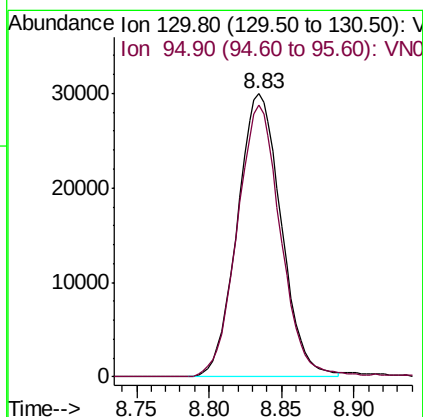
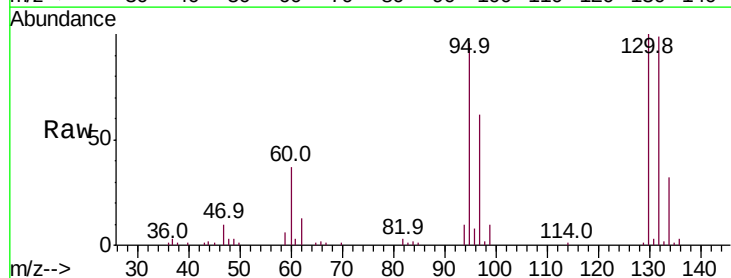
Acq: 8 Jun 2019 00:46

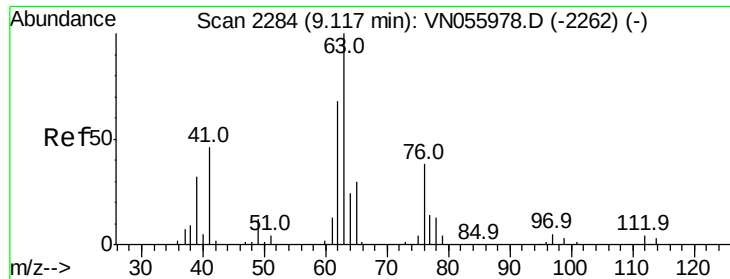
Tgt Ion:130 Resp: 63069

Ion Ratio Lower Upper

130 100

95 95.8 0.0 188.0





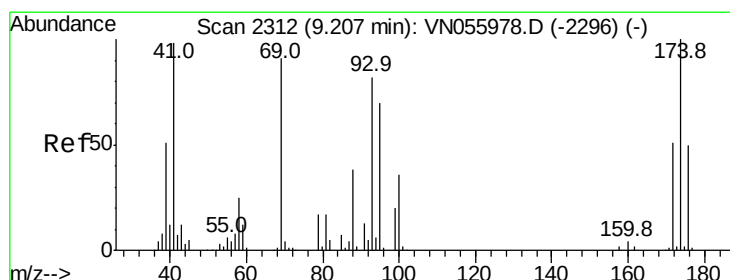
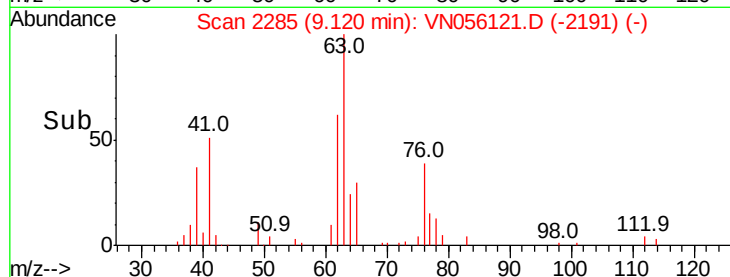
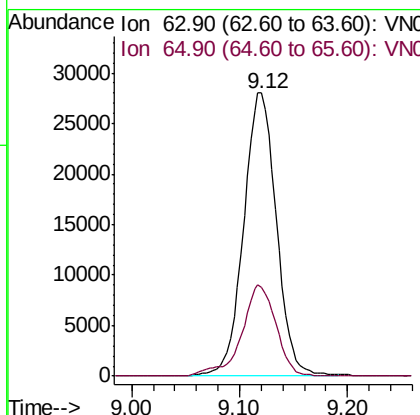
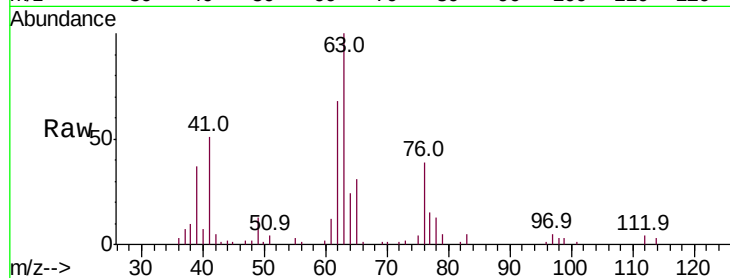
#45
 1,2-Dichloropropane
 Concen: 20.680 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN056121.D
 Acq: 8 Jun 2019 00:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBSD03

Tot Ion: 63 Resp: 59201
 Ion Ratio Lower Upper
 63 100
 65 31.2 24.6 36.8

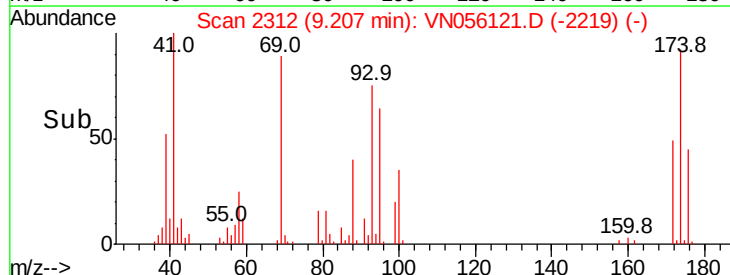
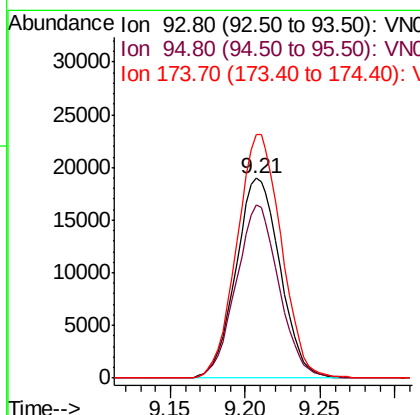
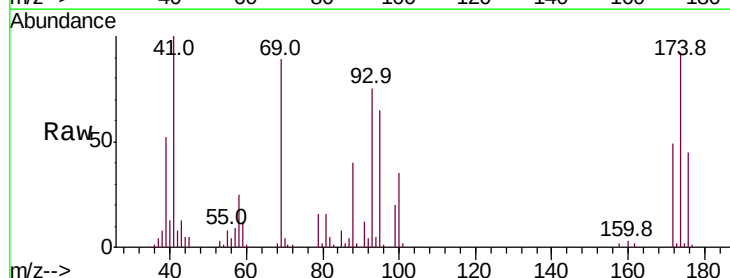
Manual Integrations
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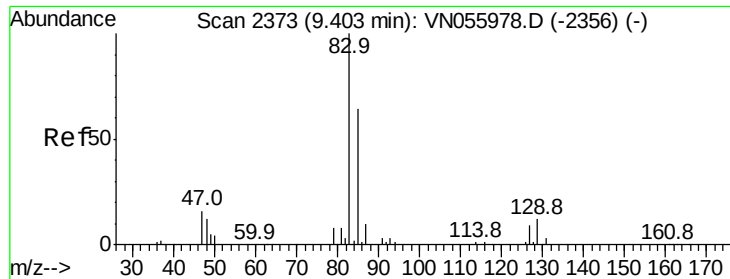
MMDadoda
 6/10/2019 11:26:21 AM



#46
 Dibromomethane
 Concen: 20.798 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN056121.D
 Acq: 8 Jun 2019 00:46

Tgt Ion: 93 Resp: 38935
 Ion Ratio Lower Upper
 93 100
 95 84.3 66.7 100.1
 174 123.0 96.4 144.6





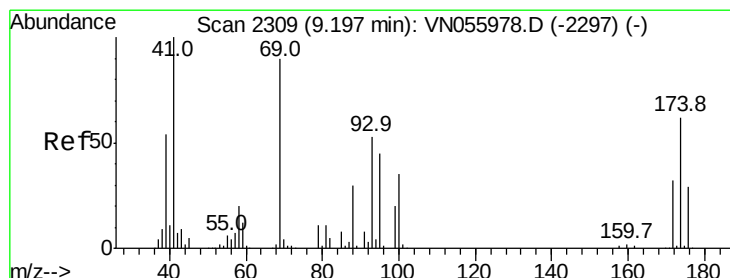
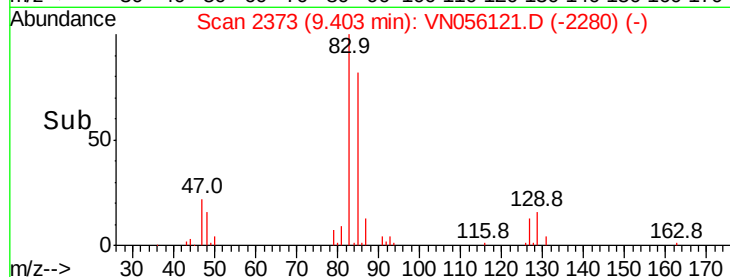
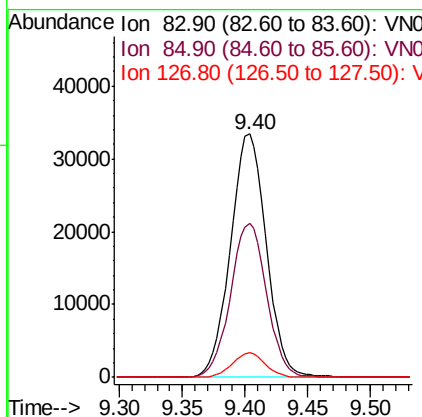
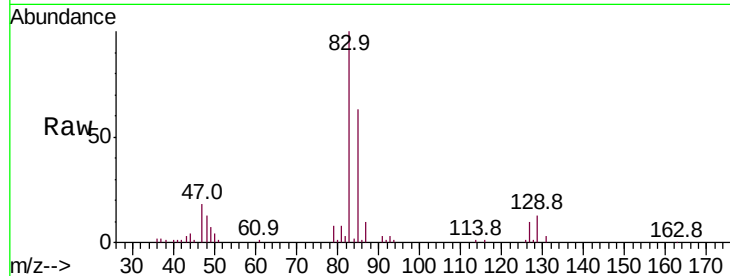
#47
Bromodichloromethane
Concen: 19.545 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN056121.D
Acq: 8 Jun 2019 00:46

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBSD03

Tot Ion	83	Resp	66314
Ion Ratio	100	Lower	Upper
83	100		
85	63.3	52.2	78.2
127	10.1	7.4	11.0

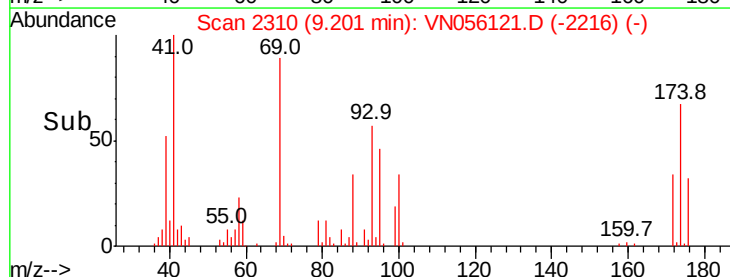
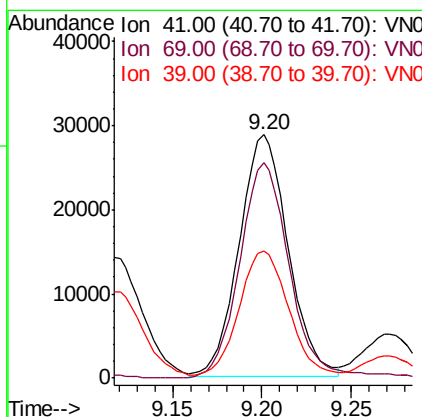
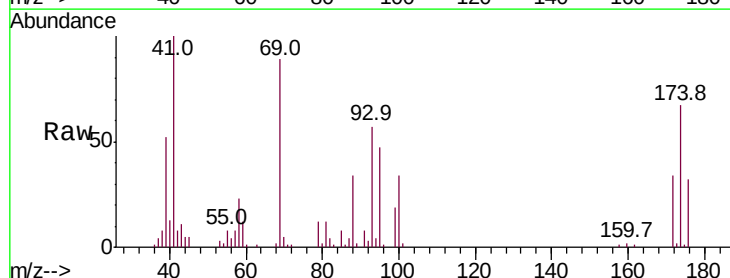
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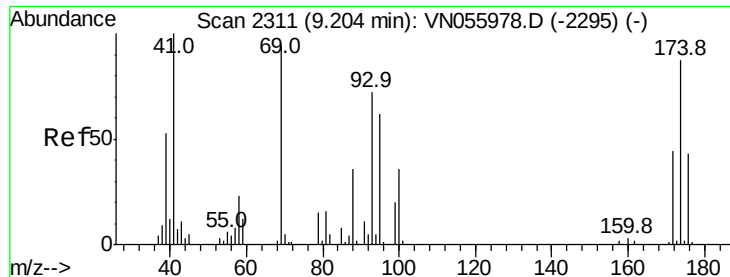
MMDadoda
6/10/2019 11:26:21 AM



#48
Methyl methacrylate
Concen: 21.350 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN056121.D
Acq: 8 Jun 2019 00:46

Tgt Ion	41	Resp	55417
Ion Ratio	100	Lower	Upper
41	100		
69	89.8	71.0	106.6
39	53.8	44.2	66.2





#49

1,4-Dioxane

Concen: 443.467 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN056121.D

Acq: 8 Jun 2019 00:46

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBSD03

Tot Ion: 88 Resp: 24851

Ion Ratio Lower Upper

88 100

43 26.4 20.5 30.7

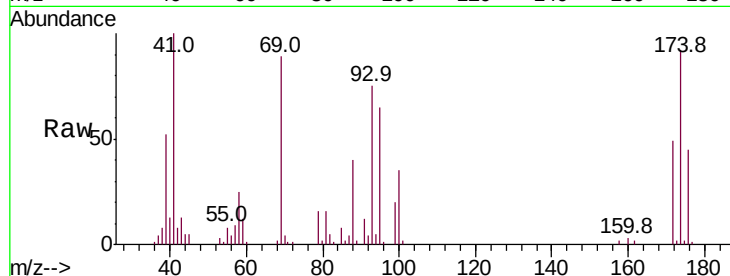
58 69.3 55.8 83.6

Manual Integrations

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MMDadoda

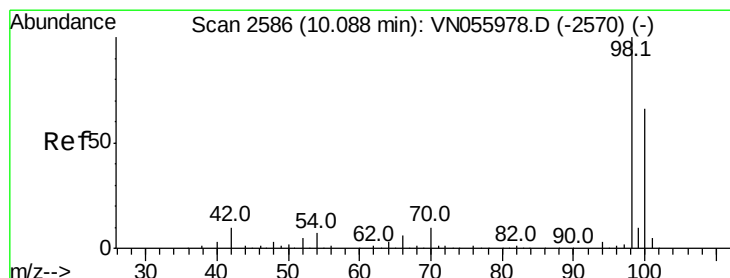
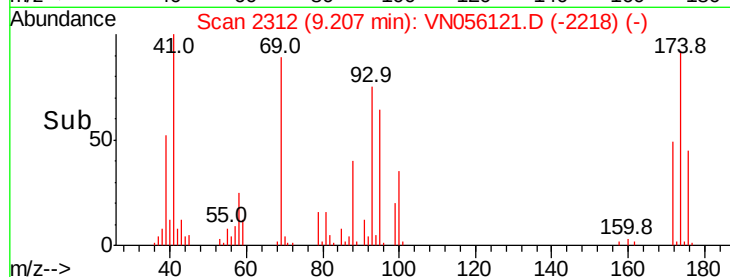
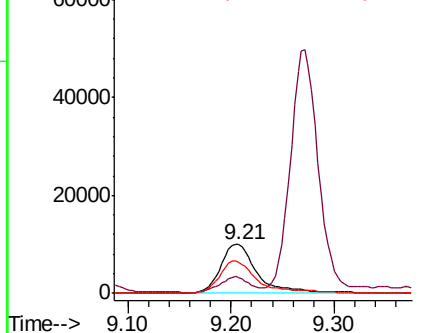
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Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 50.728 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN056121.D

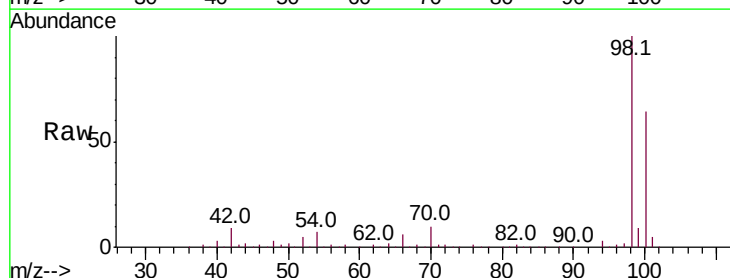
Acq: 8 Jun 2019 00:46

Tgt Ion: 98 Resp: 512530

Ion Ratio Lower Upper

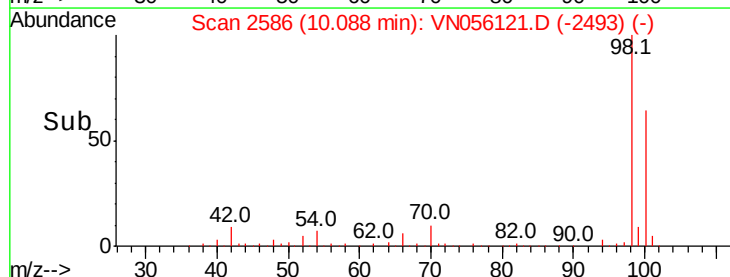
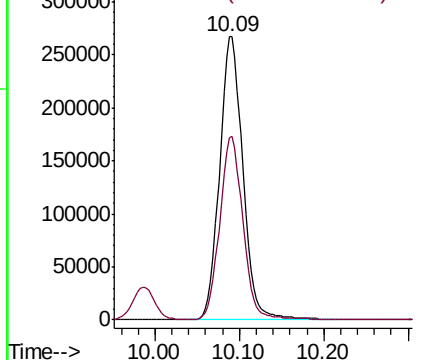
98 100

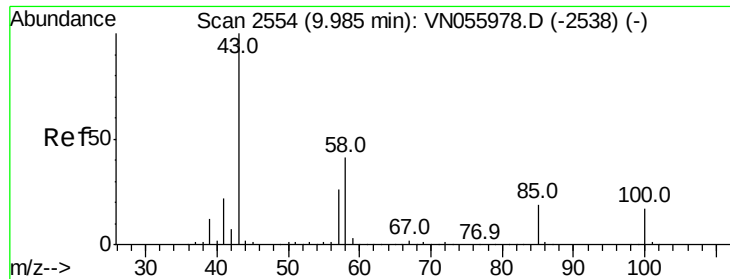
100 64.2 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





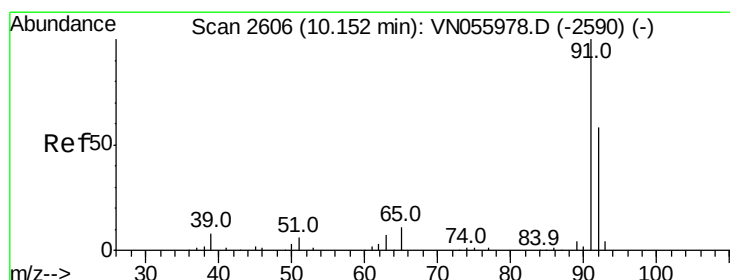
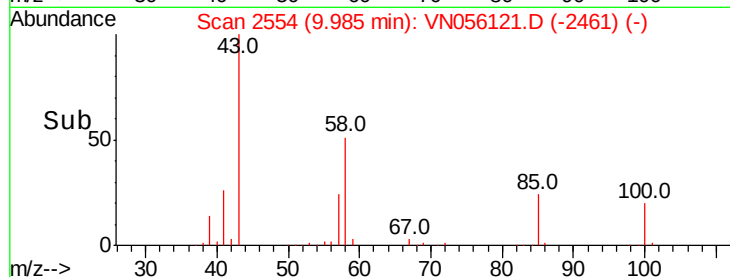
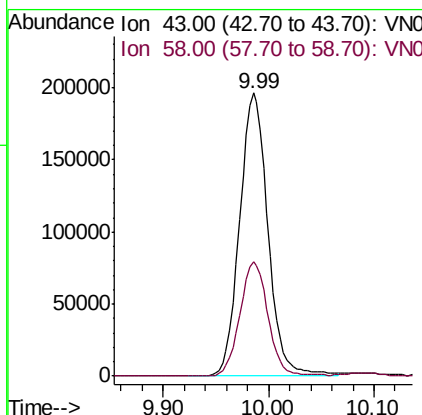
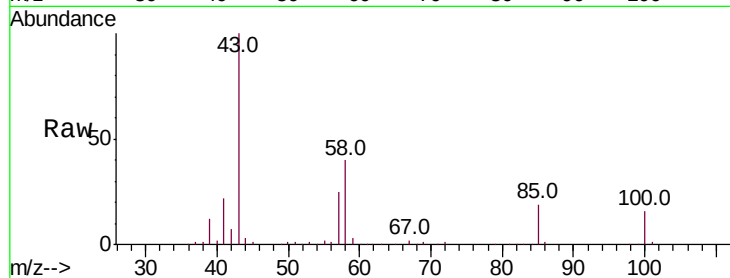
#51
4-Methyl-2-Pentanone
Concen: 109.906 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN056121.D
Acq: 8 Jun 2019 00:46

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBSD03

Tot Ion: 43 Resp: 364660
Ion Ratio Lower Upper
43 100
58 40.4 32.1 48.1

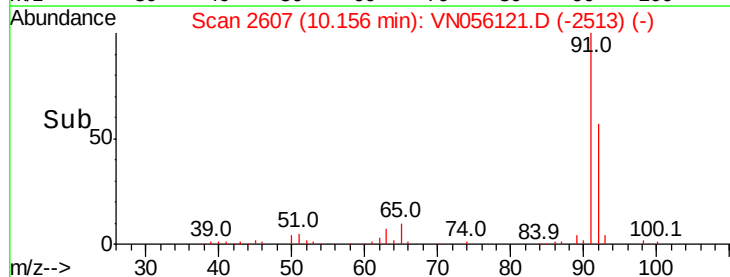
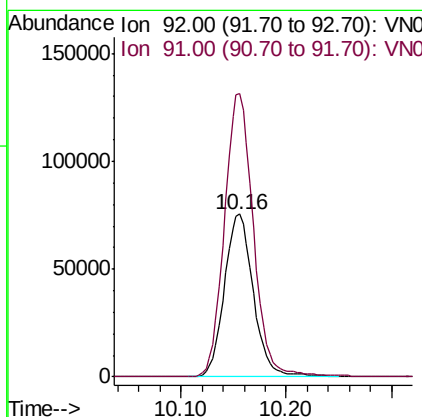
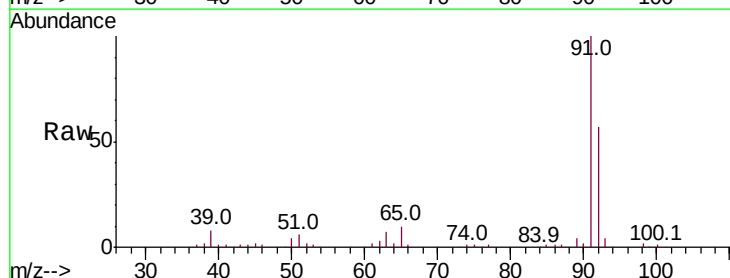
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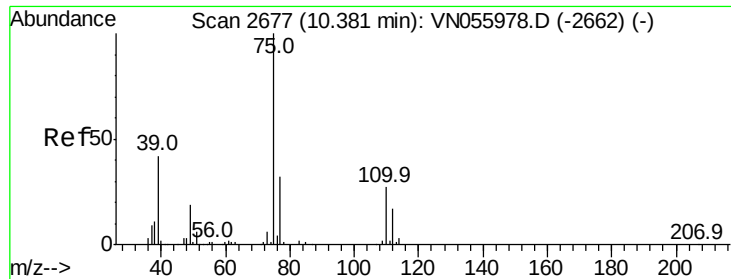
MMDadoda
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#52
Toluene
Concen: 20.618 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN056121.D
Acq: 8 Jun 2019 00:46

Tgt Ion: 92 Resp: 143393
Ion Ratio Lower Upper
92 100
91 174.5 139.4 209.2





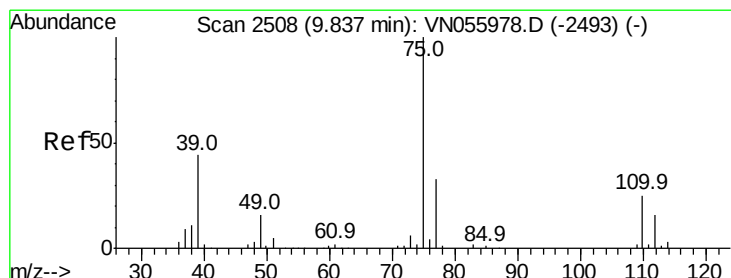
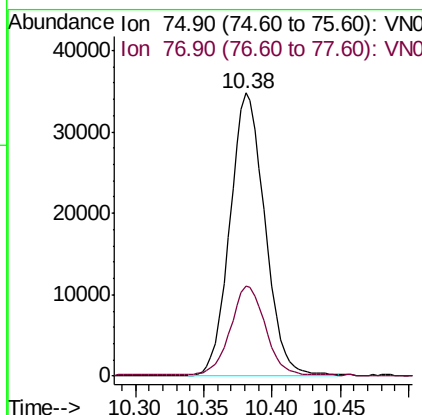
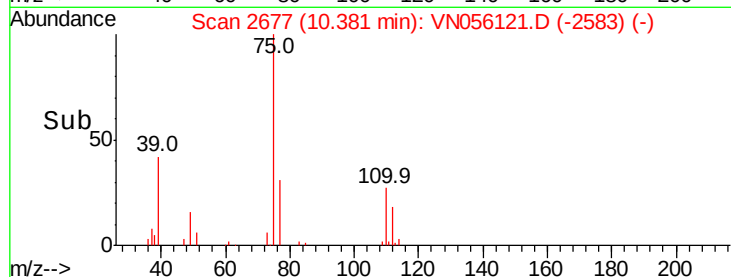
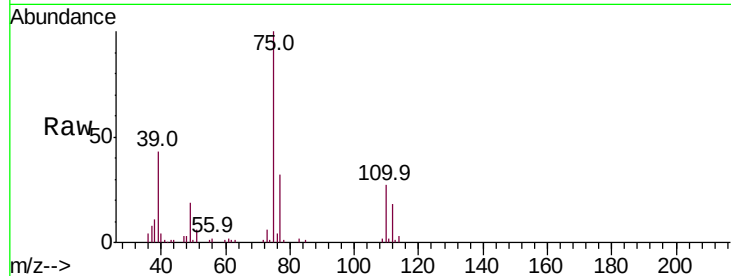
#53
t-1,3-Dichloropropene
Concen: 17.256 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN056121.D
Acq: 8 Jun 2019 00:46

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBSD03

Tot Ion: 75 Resp: 62083
Ion Ratio Lower Upper
75 100
77 31.9 25.8 38.6

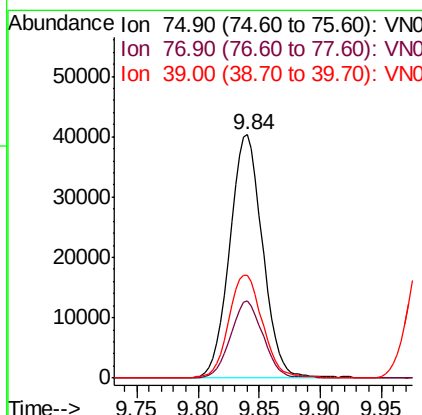
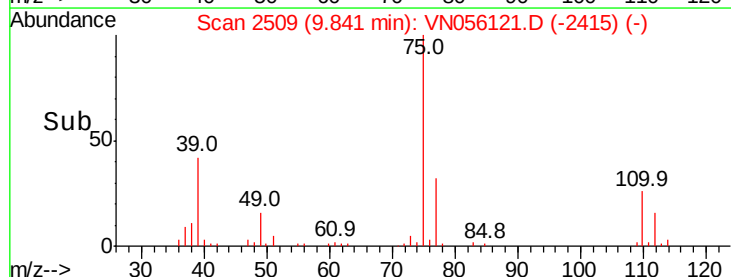
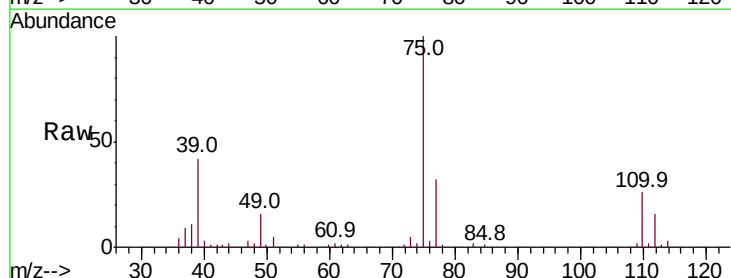
Manual Integrations
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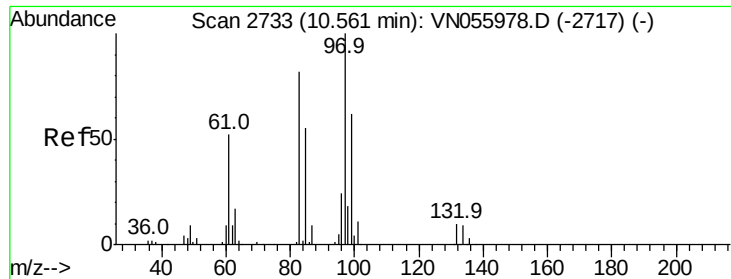
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#54
cis-1,3-Dichloropropene
Concen: 18.579 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN056121.D
Acq: 8 Jun 2019 00:46

Tgt Ion: 75 Resp: 75770
Ion Ratio Lower Upper
75 100
77 31.6 25.4 38.0
39 42.0 36.3 54.5





#55

1,1,2-Trichloroethane

Concen: 20.940 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN056121.D

Acq: 8 Jun 2019 00:46

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBSD03

Tot Ion: 97 Resp: 57687

Ion Ratio Lower Upper

97 100

83 86.2 67.0 100.6

85 55.5 44.0 66.0

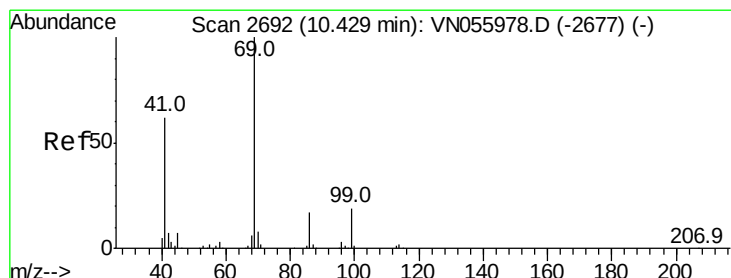
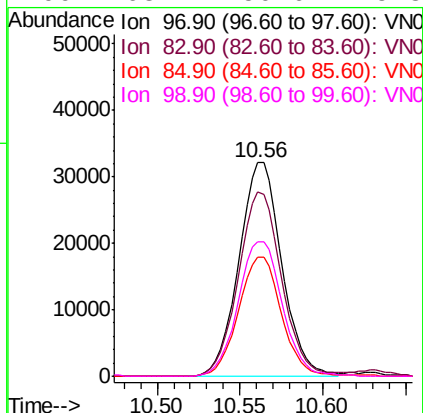
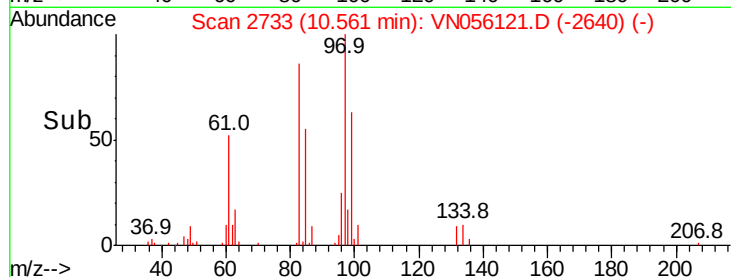
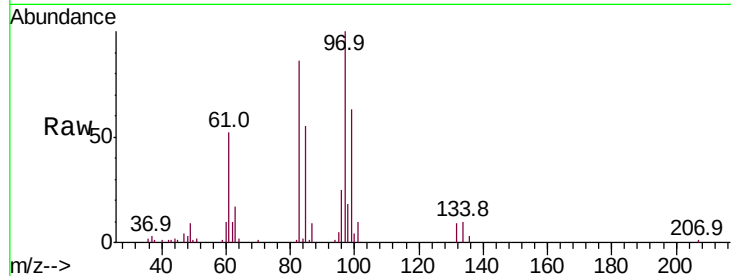
99 63.2 50.6 75.8

Manual Integrations

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#56

Ethyl methacrylate

Concen: 20.930 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN056121.D

Acq: 8 Jun 2019 00:46

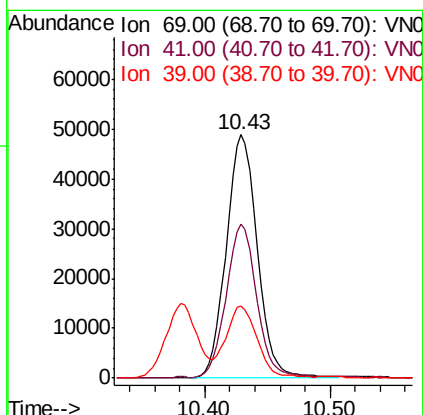
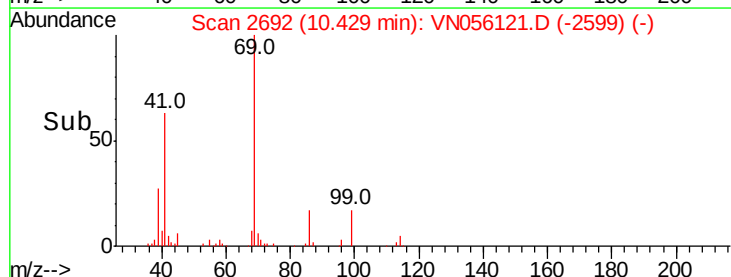
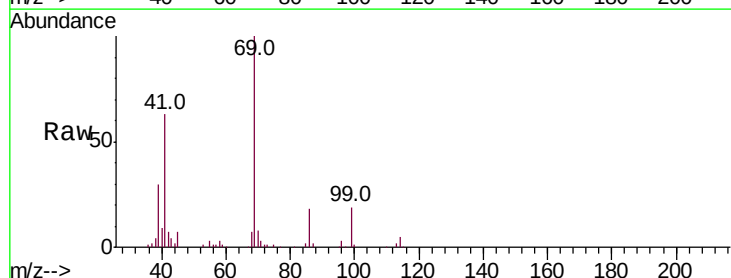
Tgt Ion: 69 Resp: 84118

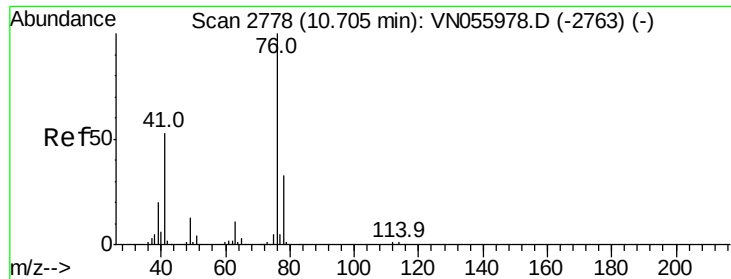
Ion Ratio Lower Upper

69 100

41 61.1 49.7 74.5

39 29.1 24.7 37.1





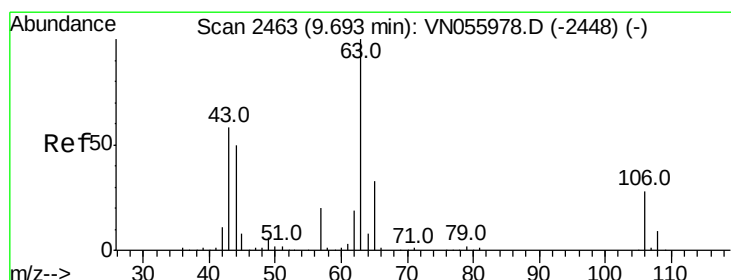
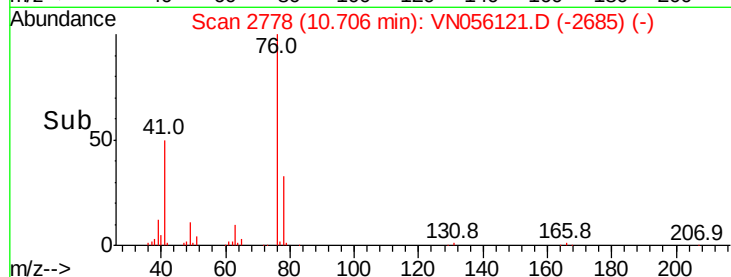
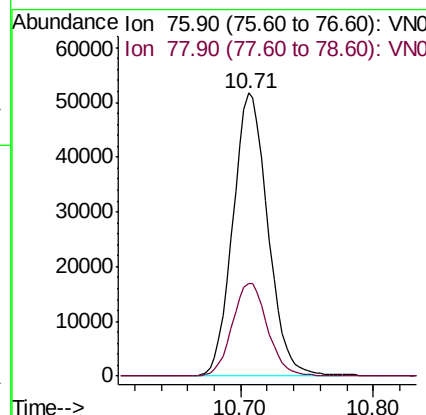
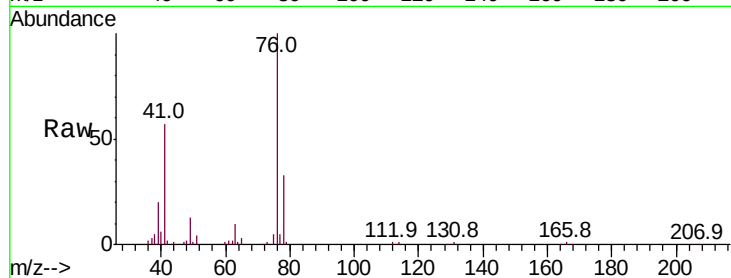
#57
 1,3-Dichloropropane
 Concen: 21.155 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN056121.D
 Acq: 8 Jun 2019 00:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBSD03

Tot Ion: 76 Resp: 94739
 Ion Ratio Lower Upper
 76 100
 78 32.9 25.8 38.6

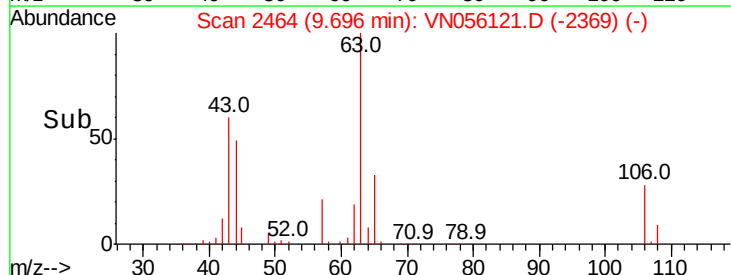
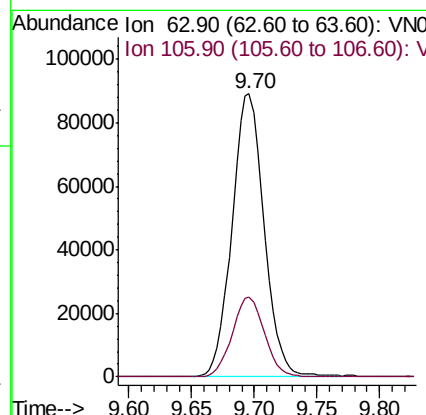
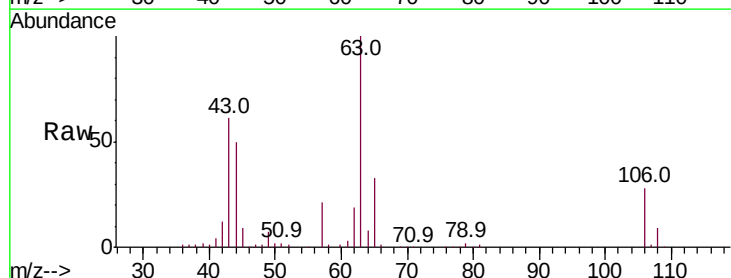
Manual Integrations
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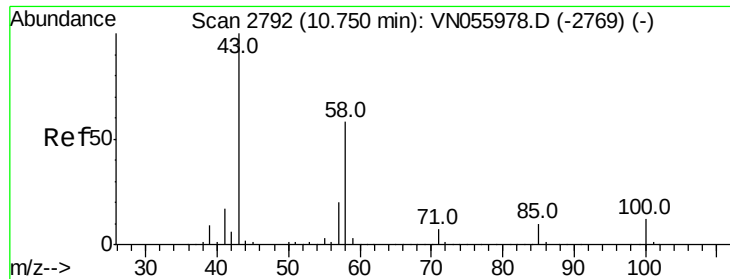
MMDadoda
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#58
 2-Chloroethyl Vinyl ether
 Concen: 108.418 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN056121.D
 Acq: 8 Jun 2019 00:46

Tgt Ion: 63 Resp: 158492
 Ion Ratio Lower Upper
 63 100
 106 28.2 22.7 34.1





#59

2-Hexanone

Concen: 105.188 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.00 min

Lab File: VN056121.D

Acq: 8 Jun 2019 00:46

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBSD03

Tot Ion: 43 Resp: 252952

Ion Ratio Lower Upper

43 100

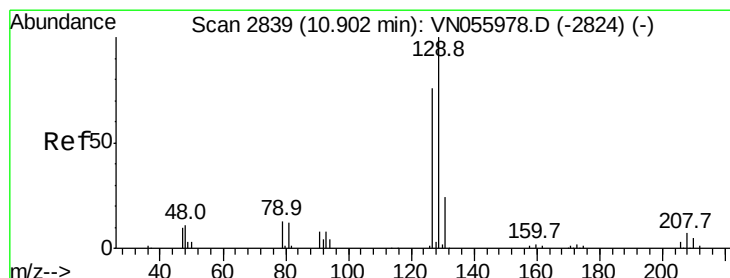
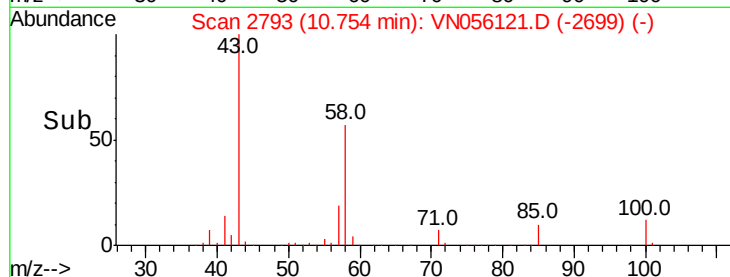
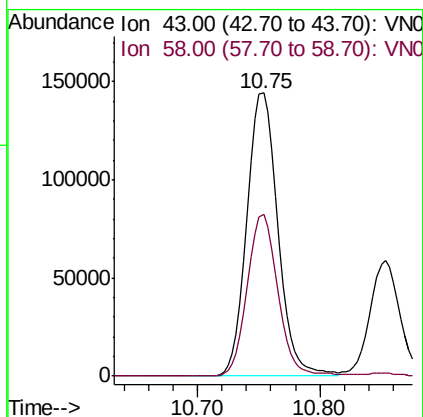
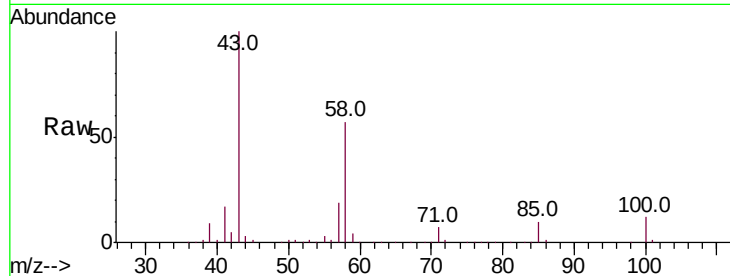
58 56.3 28.2 84.7

Manual Integrations

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#60

Dibromochloromethane

Concen: 18.148 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN056121.D

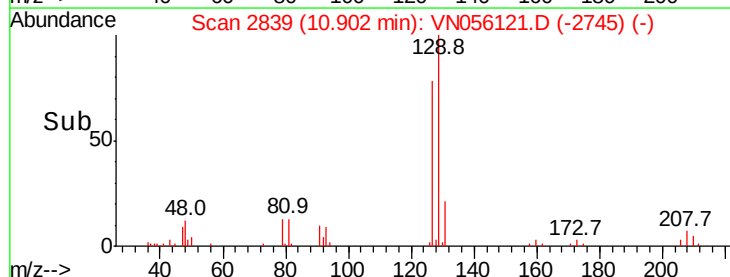
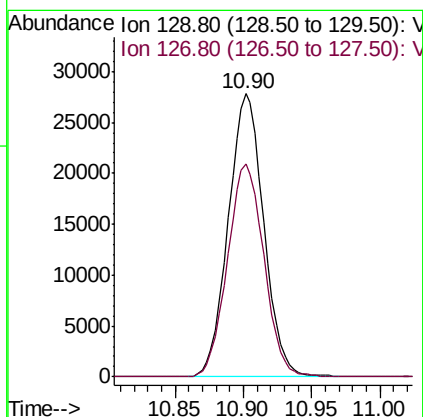
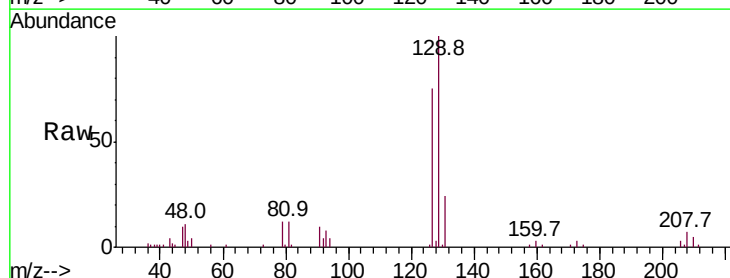
Acq: 8 Jun 2019 00:46

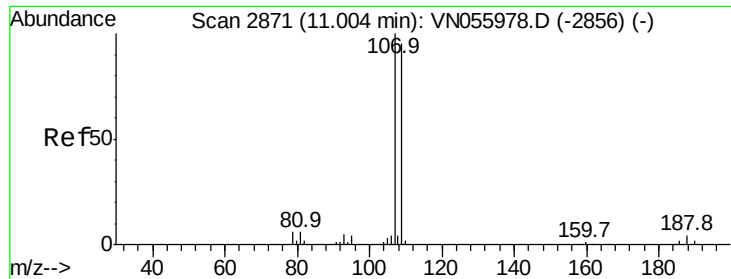
Tgt Ion: 129 Resp: 50150

Ion Ratio Lower Upper

129 100

127 77.3 38.1 114.3





#61

1,2-Dibromoethane

Concen: 20.633 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN056121.D

Acq: 8 Jun 2019 00:46

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBSD03

Tot Ion:107 Resp: 58109

Ion Ratio Lower Upper

107 100

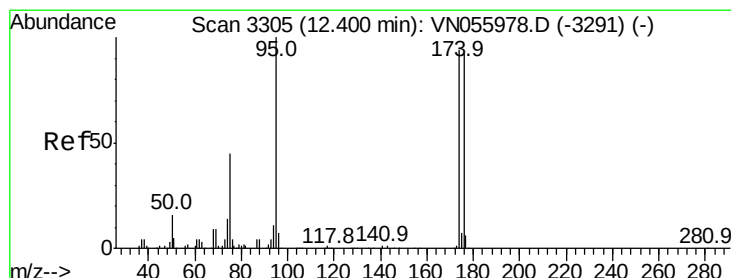
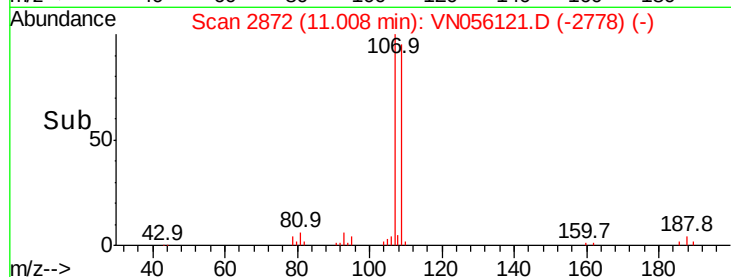
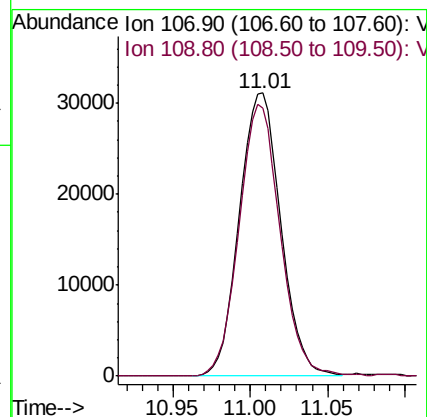
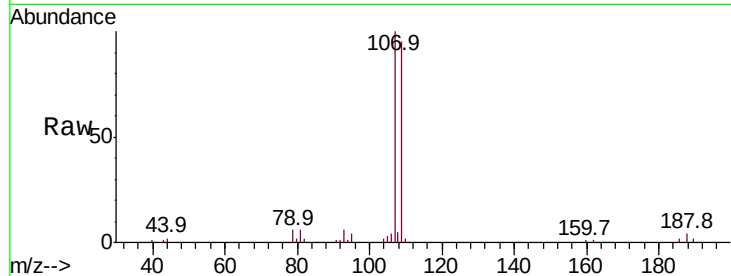
109 95.2 74.8 112.2

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#62

4-Bromofluorobenzene

Concen: 48.963 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056121.D

Acq: 8 Jun 2019 00:46

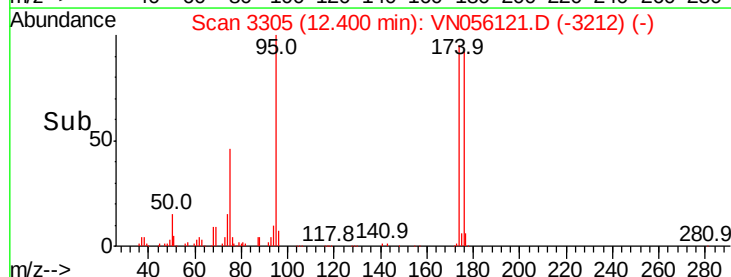
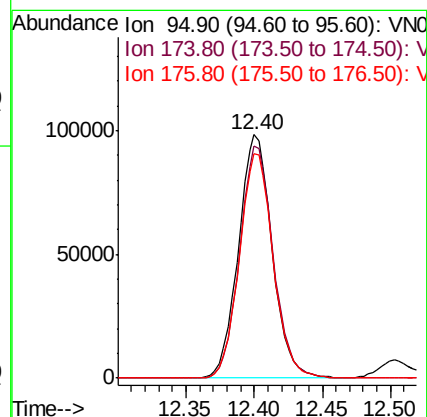
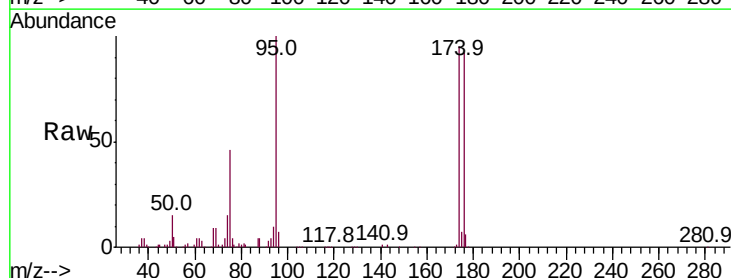
Tgt Ion: 95 Resp: 168235

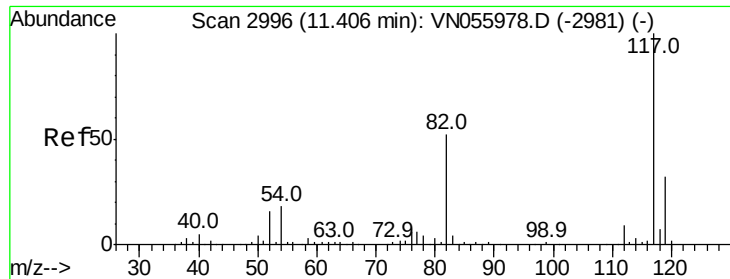
Ion Ratio Lower Upper

95 100

174 95.0 0.0 191.0

176 92.4 0.0 185.2





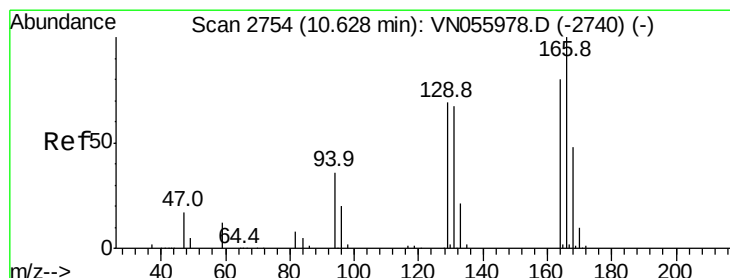
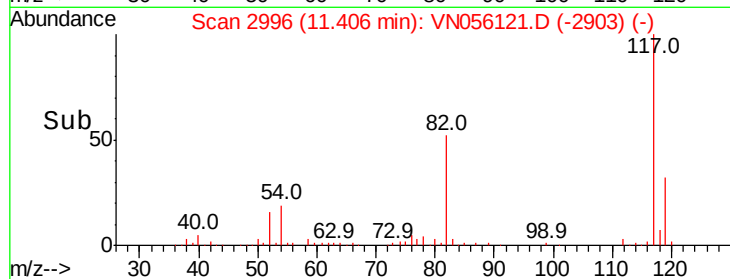
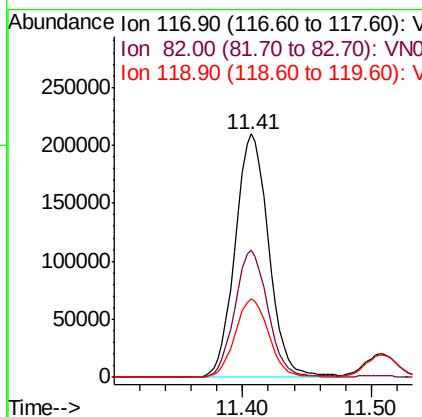
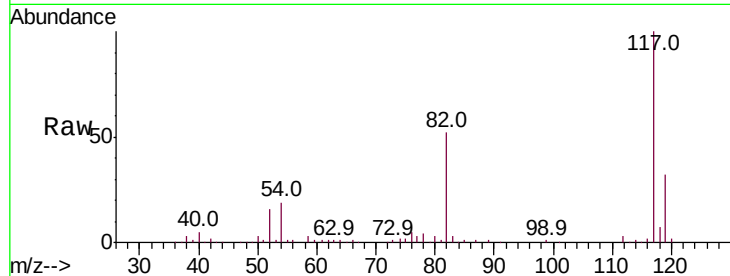
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056121.D
Acq: 8 Jun 2019 00:46

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBSD03

Tot Ion	Ratio	Resp	Lower	Upper
117	100			
82	52.1	41.8	62.8	
119	32.1	25.4	38.0	

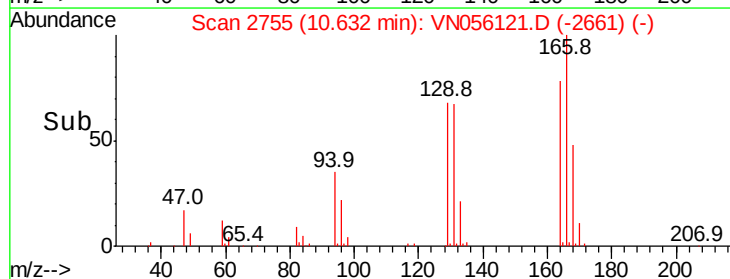
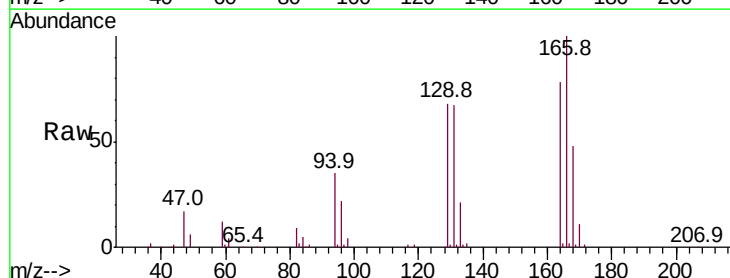
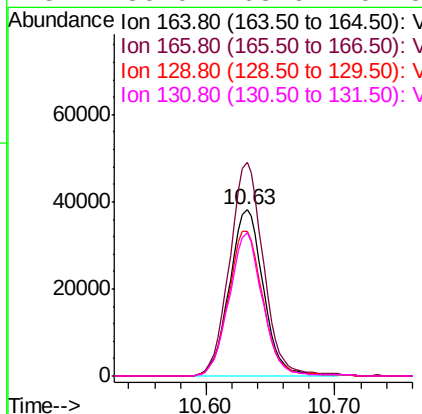
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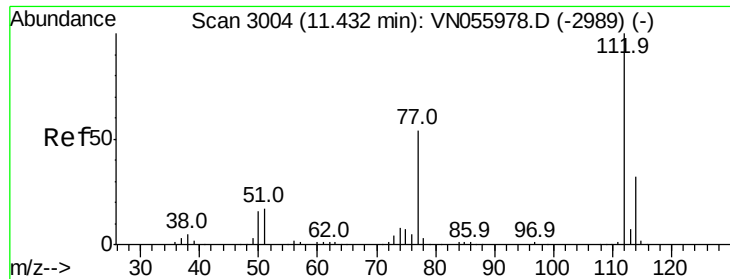
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#64
Tetrachloroethene
Concen: 21.189 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN056121.D
Acq: 8 Jun 2019 00:46

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
166	128.6	103.0	154.6	
129	87.3	70.6	105.8	
131	86.0	68.6	102.8	





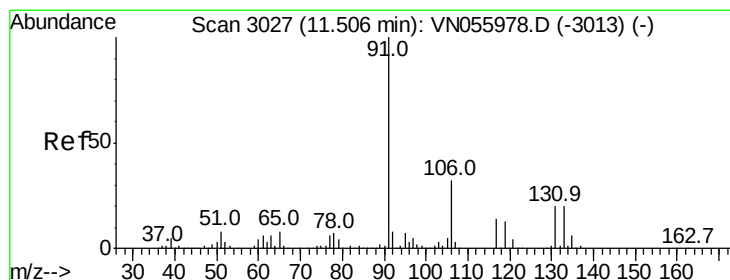
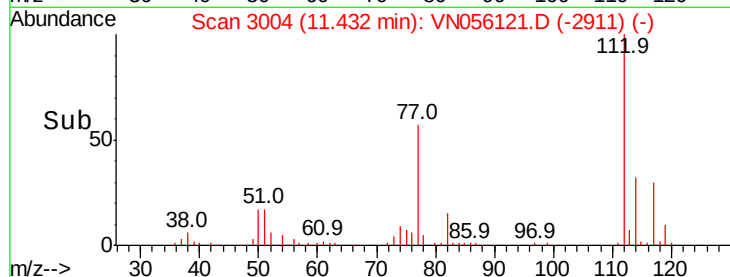
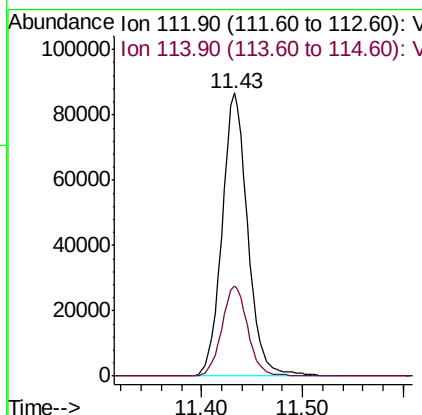
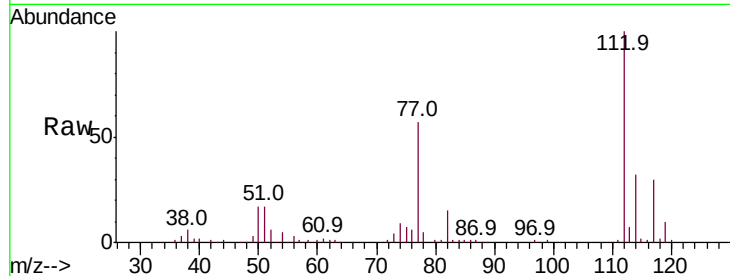
#65
Chlorobenzene
Concen: 20.277 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056121.D
Acq: 8 Jun 2019 00:46

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBSD03

Tot Ion:112 Resp: 153730
Ion Ratio Lower Upper
112 100
114 31.8 26.2 39.4

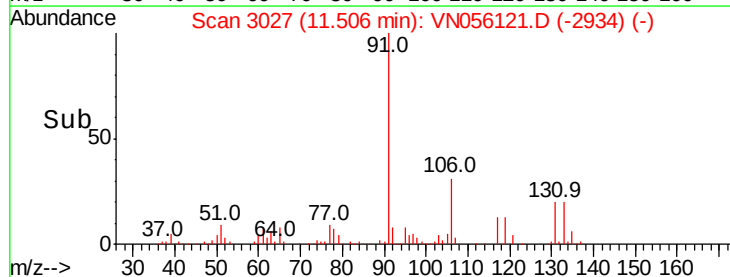
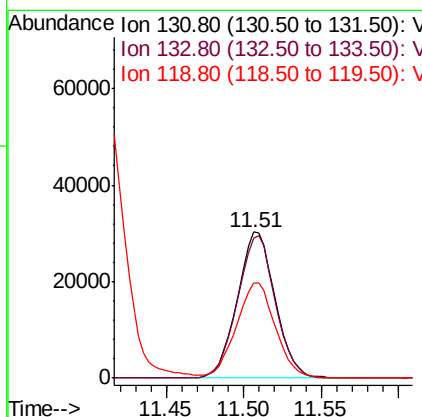
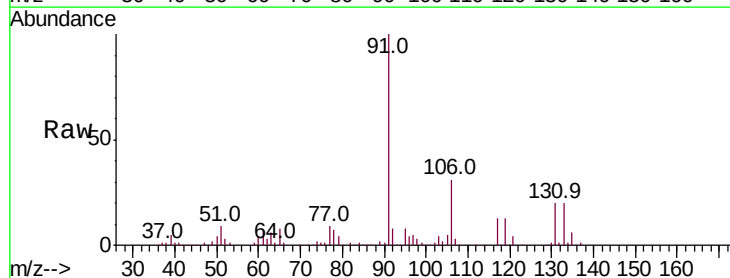
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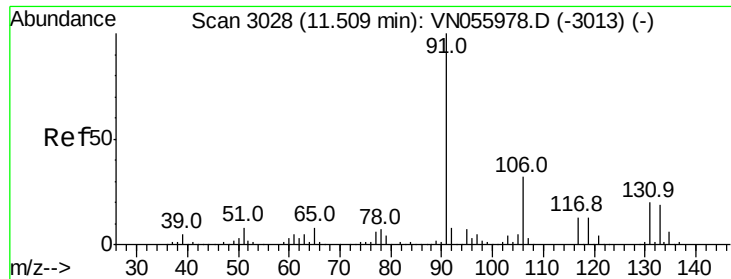
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.663 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN056121.D
Acq: 8 Jun 2019 00:46

Tgt Ion:131 Resp: 51475
Ion Ratio Lower Upper
131 100
133 97.7 48.0 144.0
119 67.4 33.1 99.5





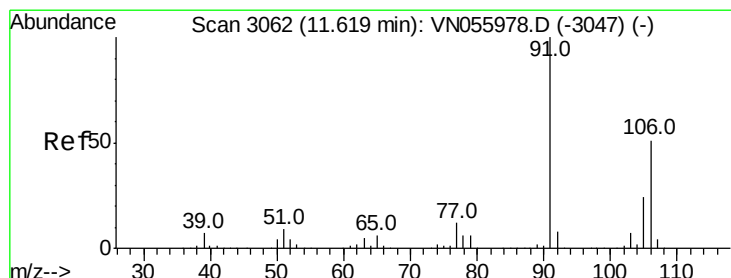
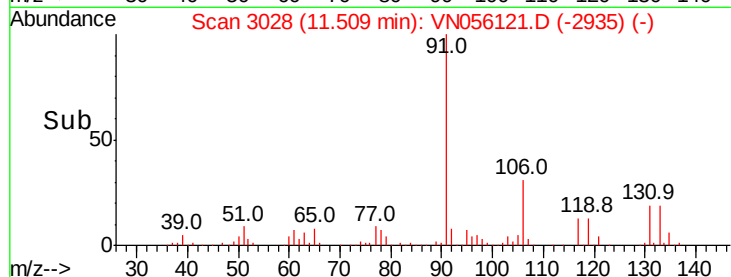
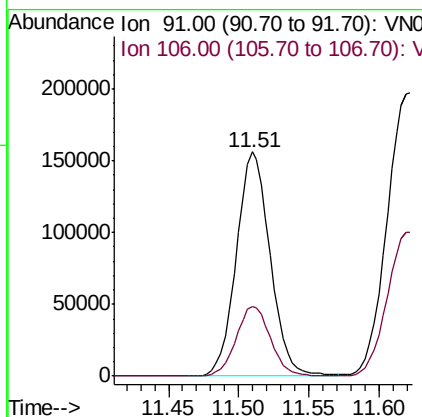
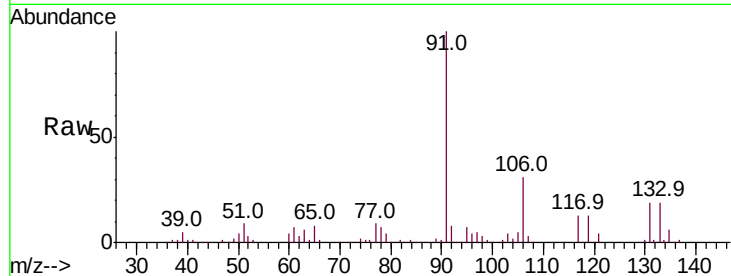
#67
Ethyl Benzene
Concen: 19.936 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056121.D
Acq: 8 Jun 2019 00:46

Instrument :
MSVOA_N
ClientSampled :
VN0608WBSD03

Tot Ion: 91 Resp: 262816
Ion Ratio Lower Upper
91 100
106 31.3 25.1 37.7

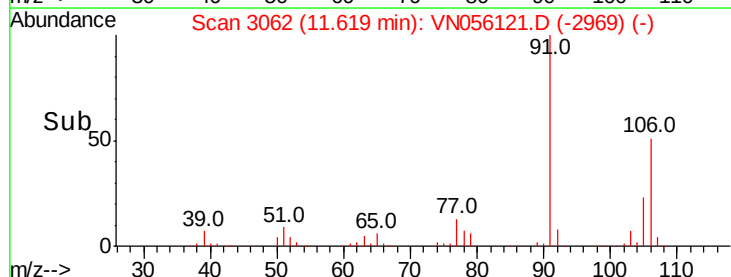
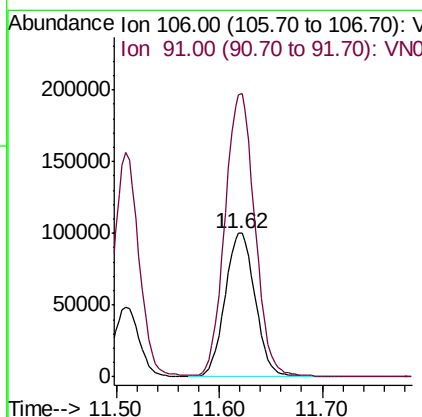
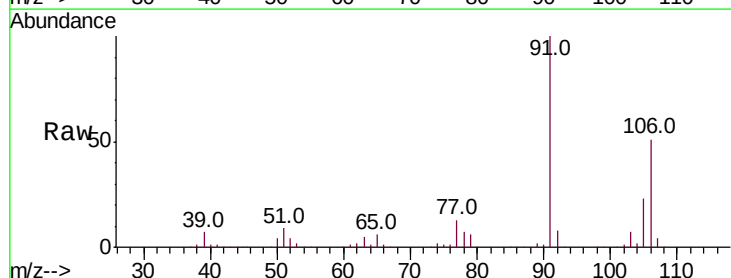
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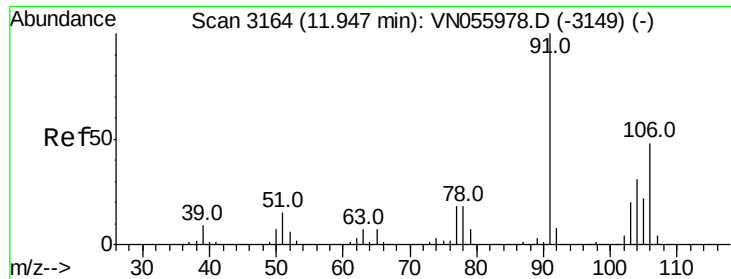
MMDadoda
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#68
m/p-Xylenes
Concen: 40.539 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056121.D
Acq: 8 Jun 2019 00:46

Tgt Ion: 106 Resp: 204161
Ion Ratio Lower Upper
106 100
91 196.1 159.3 238.9





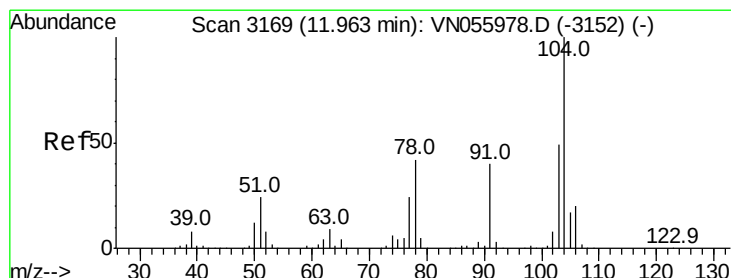
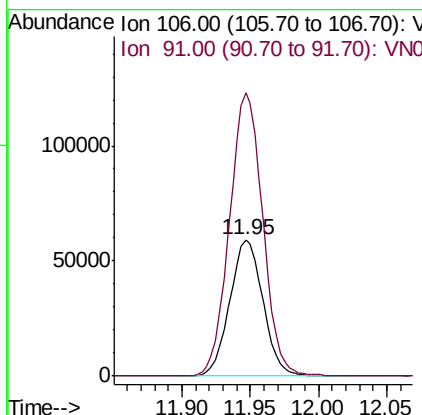
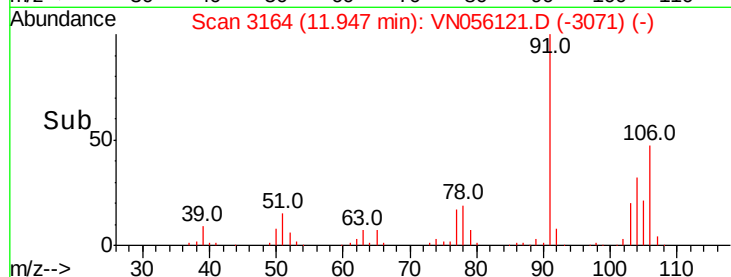
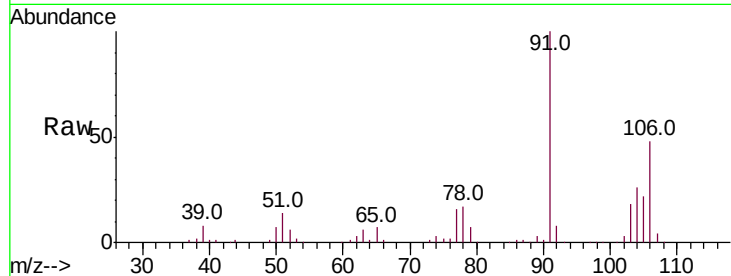
#69
o-Xylene
Concen: 20.211 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056121.D
Acq: 8 Jun 2019 00:46

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBSD03

Tot Ion:106 Resp: 100120
Ion Ratio Lower Upper
106 100
91 208.3 104.7 314.1

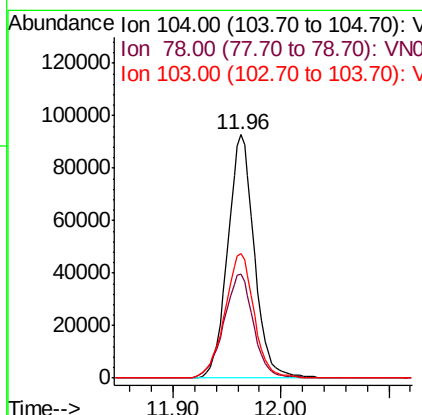
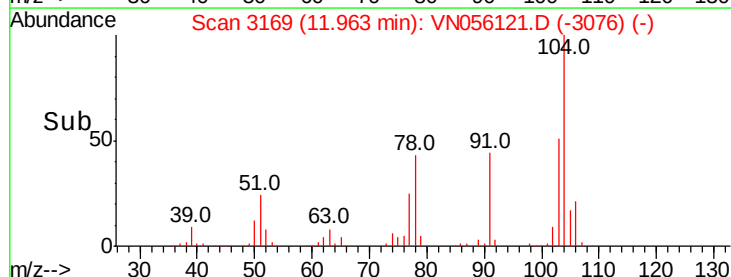
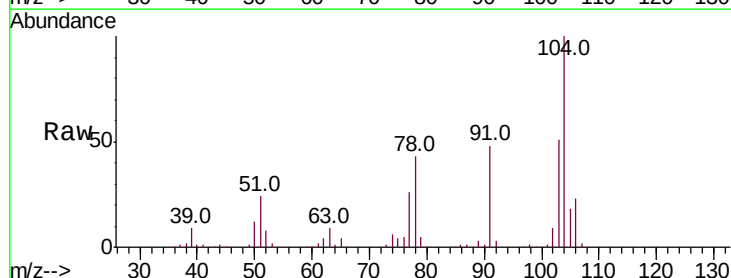
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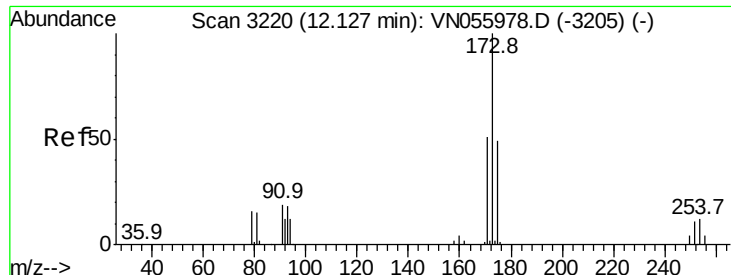
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#70
Styrene
Concen: 20.254 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056121.D
Acq: 8 Jun 2019 00:46

Tgt Ion:104 Resp: 159416
Ion Ratio Lower Upper
104 100
78 47.5 37.8 56.6
103 56.2 44.2 66.2





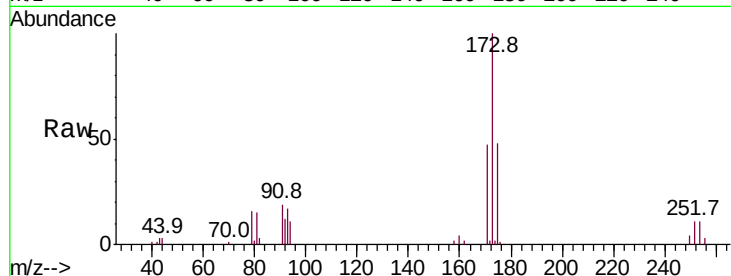
#71
Bromoform
Concen: 17.409 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056121.D
Acq: 8 Jun 2019 00:46

Instrument :
MSVOA_N
ClientSampled :
VN0608WBSD03

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.9	24.3	72.8
254	0.0	0.0	0.0

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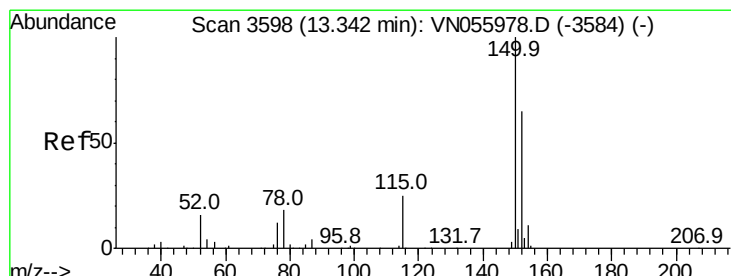
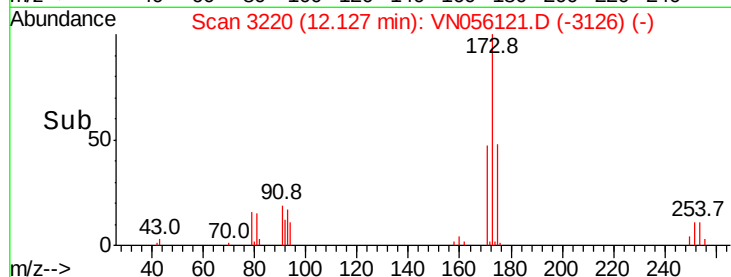
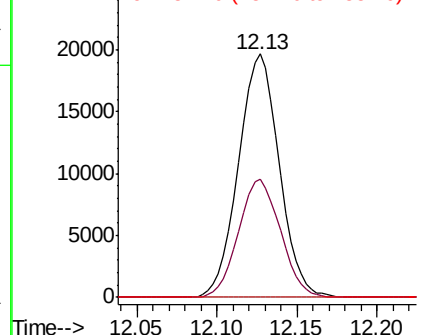


Abundance

Ion 172.70 (172.40 to 173.40): V

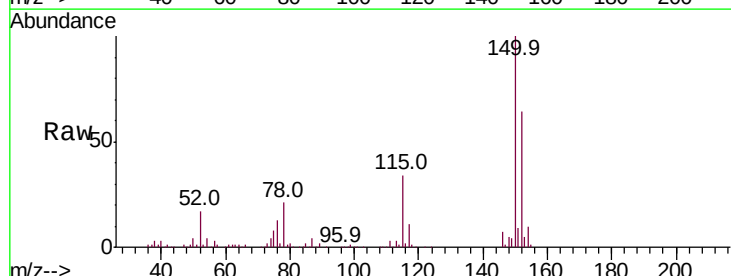
Ion 174.70 (174.40 to 175.40): V

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: VN056121.D
Acq: 8 Jun 2019 00:46

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.3	27.0	81.0
150	162.5	0.0	343.2

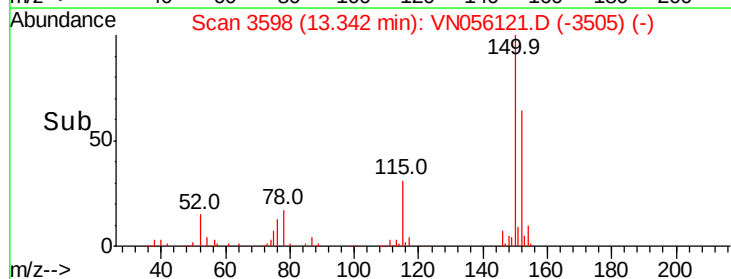
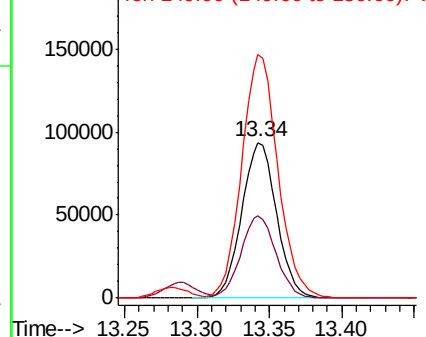


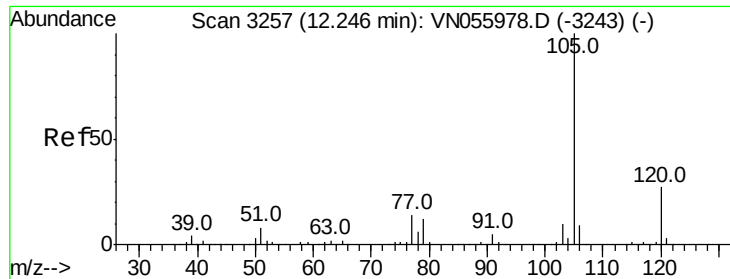
Abundance

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: 22.363 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056121.D

Acq: 8 Jun 2019 00:46

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBSD03

Tot Ion:105 Resp: 263792

Ion Ratio Lower Upper

105 100

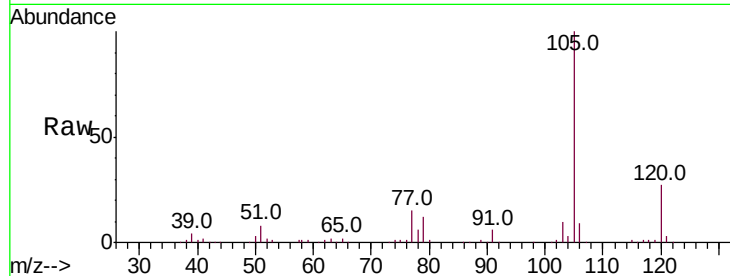
120 27.3 13.6 40.7

Manual Integrations

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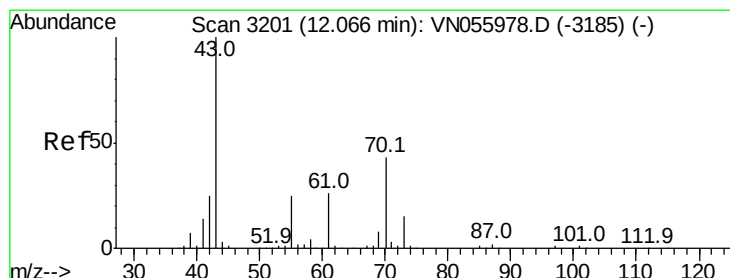
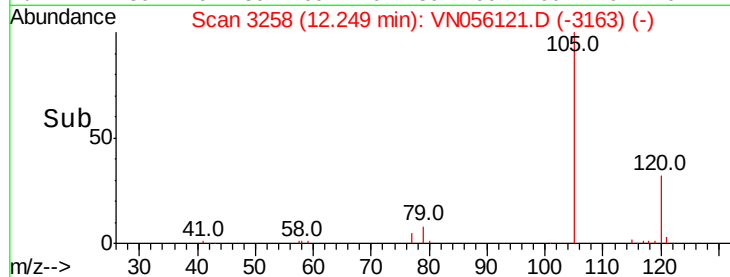
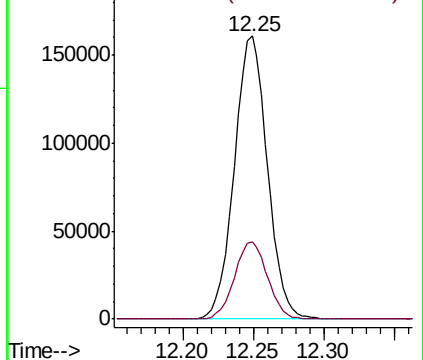
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.265 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056121.D

Acq: 8 Jun 2019 00:46

Tgt Ion: 43 Resp: 88509

Ion Ratio Lower Upper

43 100

70 44.1 34.0 51.0

55 25.8 18.6 28.0

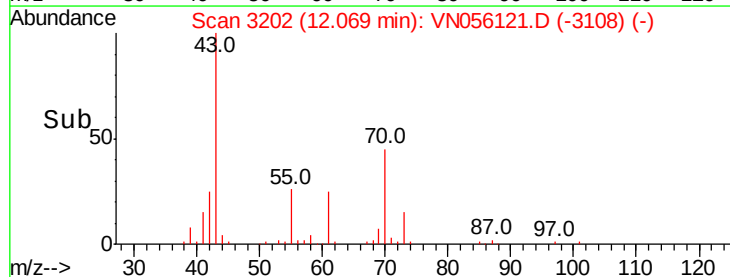
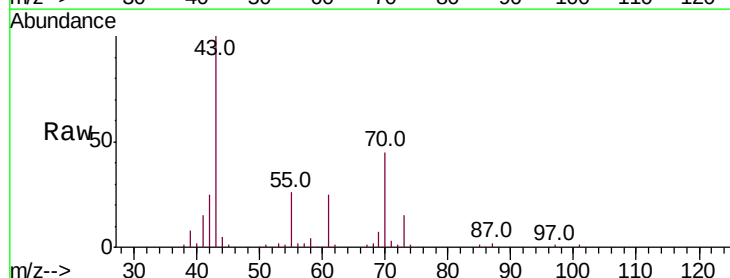
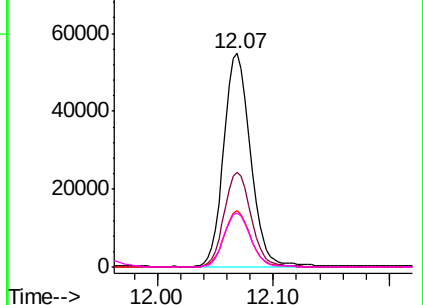
61 25.1 20.0 30.0

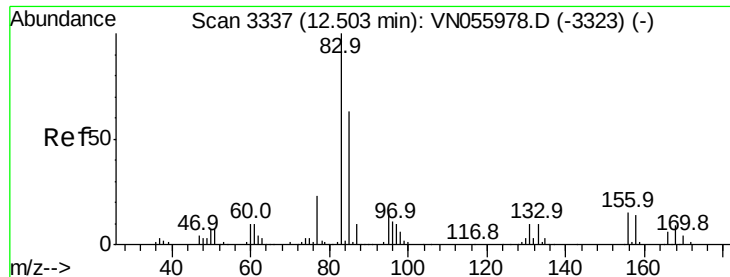
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.687 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056121.D

Acq: 8 Jun 2019 00:46

Instrument :

MSVOA_N

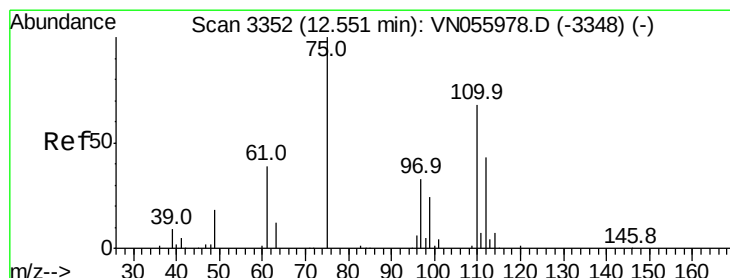
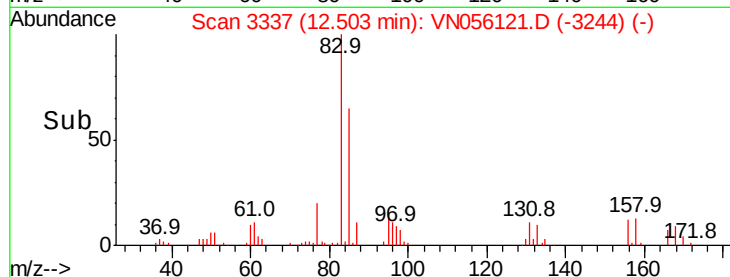
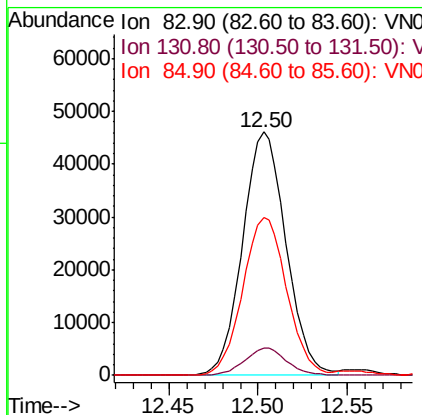
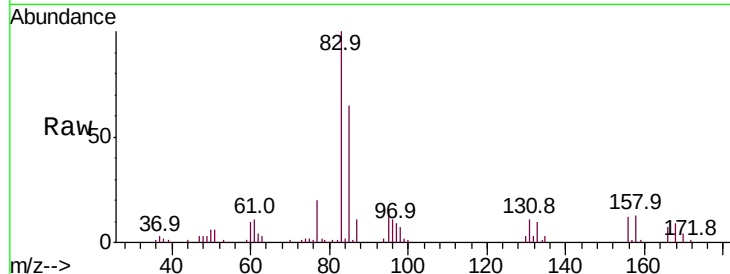
ClientSampleId :

VN0608WBSD03

Tot Ion:	83	Resp:	78611
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.4	16.2
85	65.6	32.4	97.0

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#76

1,2,3-Trichloropropane

Concen: 24.321 ug/l m

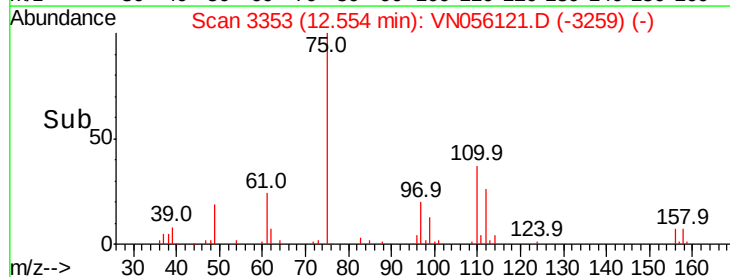
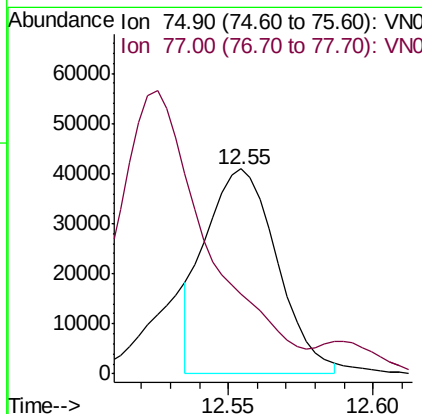
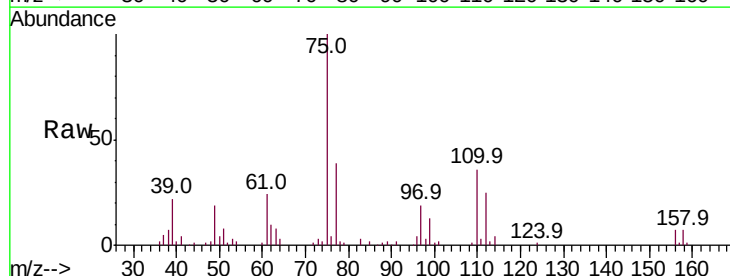
RT: 12.55 min Scan# 3353

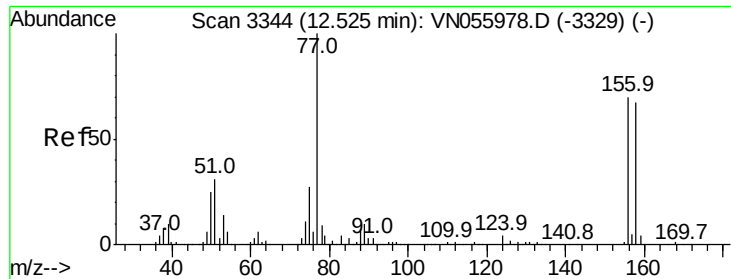
Delta R.T. 0.00 min

Lab File: VN056121.D

Acq: 8 Jun 2019 00:46

Tgt Ion:	75	Resp:	69878
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.753 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056121.D

Acq: 8 Jun 2019 00:46

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBSD03

Tot Ion:156 Resp: 69379

Ion Ratio Lower Upper

156 100

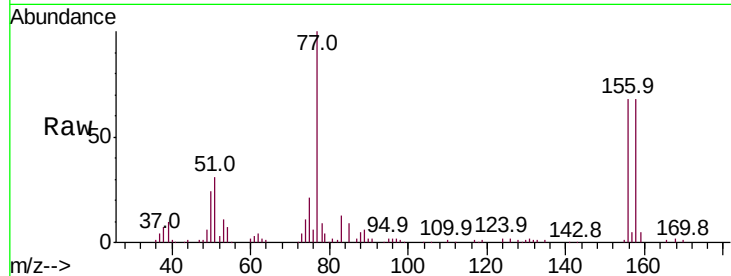
77 176.1 90.8 272.5

158 98.5 49.3 147.8

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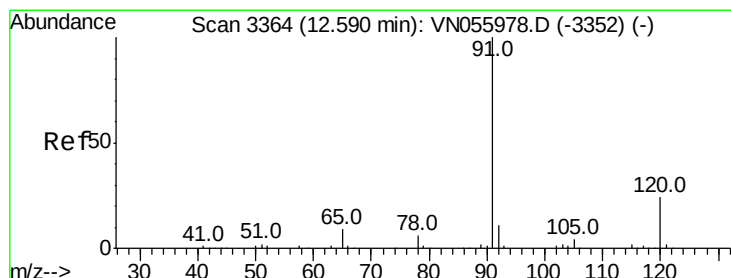
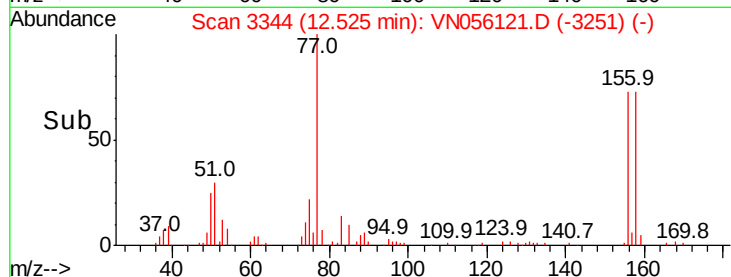
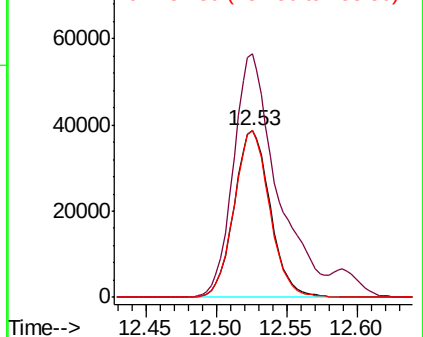
6/10/2019 11:26:21 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.457 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056121.D

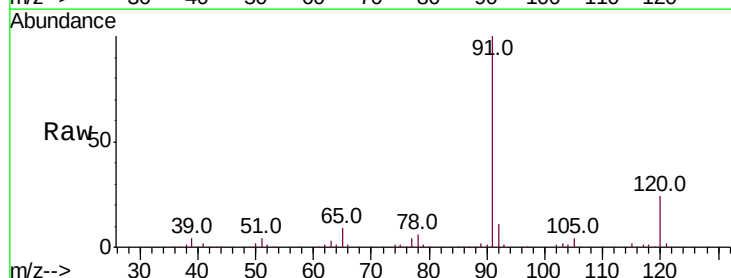
Acq: 8 Jun 2019 00:46

Tgt Ion: 91 Resp: 270232

Ion Ratio Lower Upper

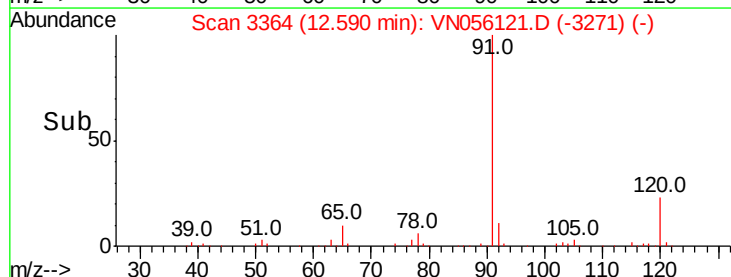
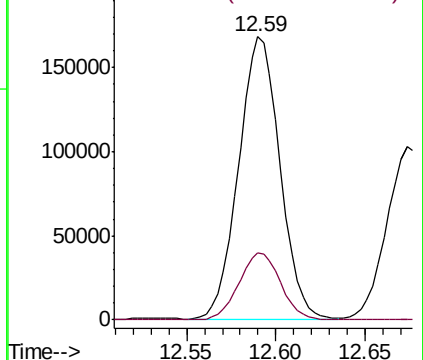
91 100

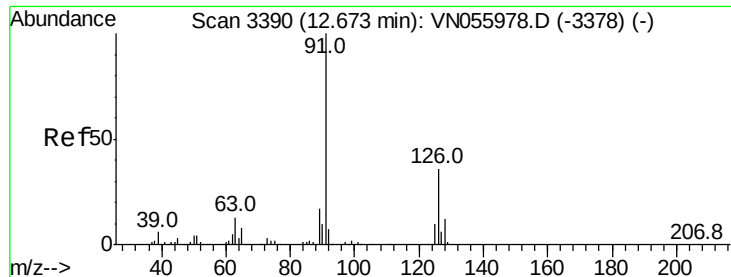
120 23.9 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.140 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056121.D

Acq: 8 Jun 2019 00:46

Instrument :

MSVOA_N

ClientSampled :

VN0608WBSD03

Tot Ion: 91 Resp: 171703

Ion Ratio Lower Upper

91 100

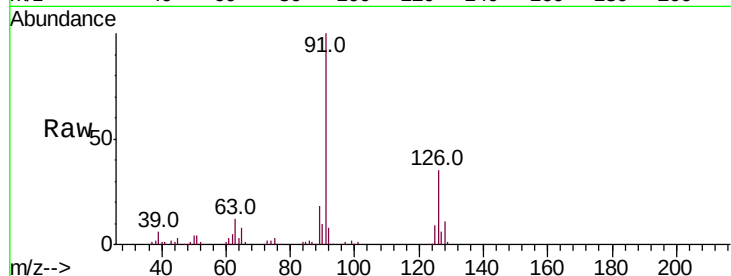
126 35.7 18.1 54.4

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Abundance Ion 91.00 (90.70 to 91.70): VN055978.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN055978.D (-3378) (-)

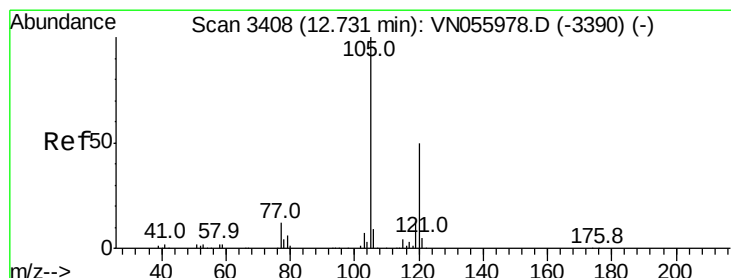
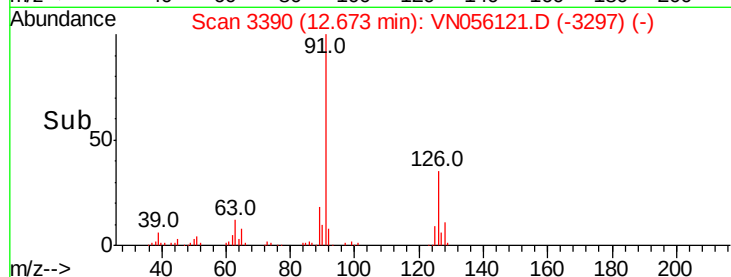
12.67

100000

50000

0

Time--> 12.60 12.65 12.70



#80

1,3,5-Trimethylbenzene

Concen: 20.612 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056121.D

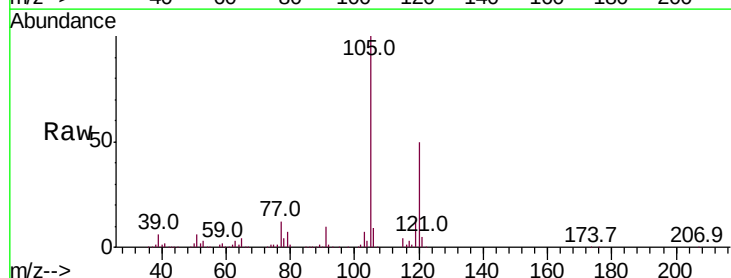
Acq: 8 Jun 2019 00:46

Tgt Ion: 105 Resp: 216392

Ion Ratio Lower Upper

105 100

120 49.8 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): VN055978.D (-3390) (-)

Ion 120.00 (119.70 to 120.70): VN055978.D (-3390) (-)

12.73

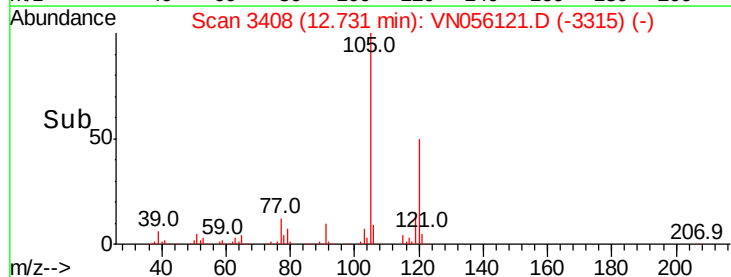
150000

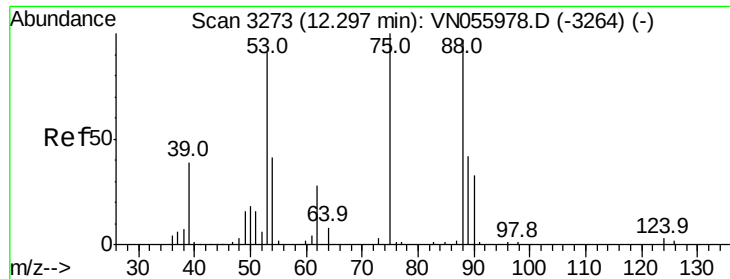
100000

50000

0

Time--> 12.70 12.80





#81

trans-1,4-Dichloro-2-butene

Concen: 15.085 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VN056121.D

Acq: 8 Jun 2019 00:46

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBSD03

Tot Ion: 75 Resp: 13015

Ion Ratio Lower Upper

75 100

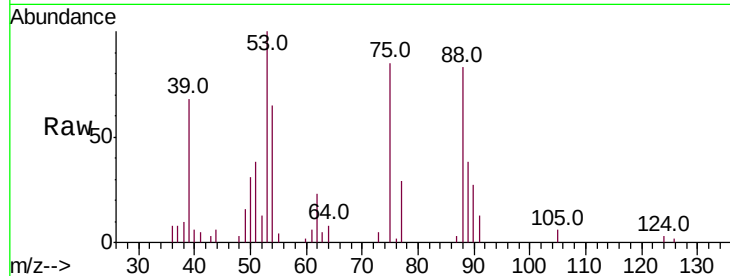
53 118.1 68.1 102.1#

89 44.2 36.9 55.3

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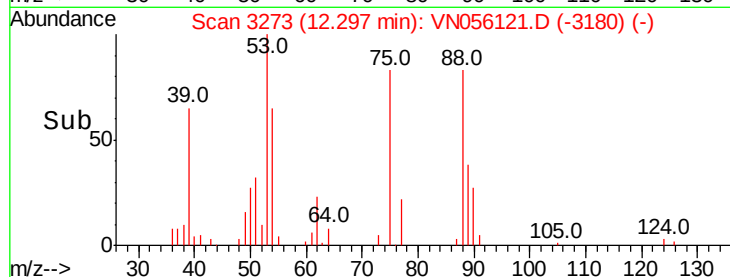
6/10/2019 11:26:21 AM



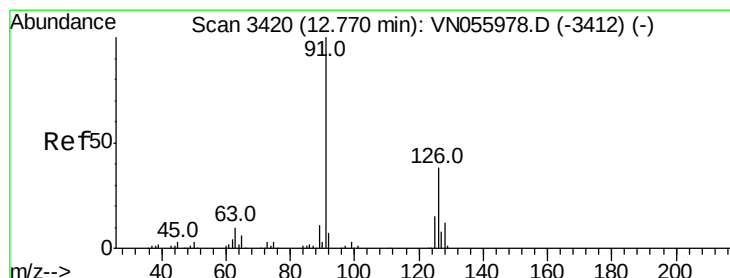
Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



Time-->



#82

4-Chlorotoluene

Concen: 20.517 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN056121.D

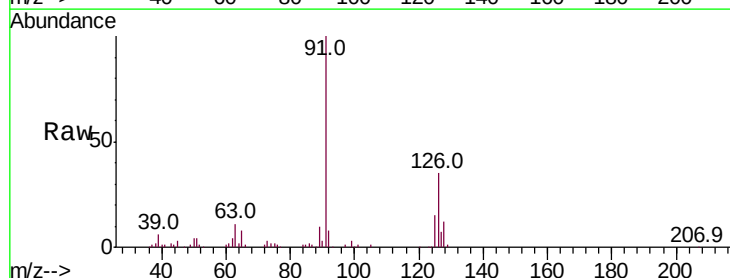
Acq: 8 Jun 2019 00:46

Tgt Ion: 91 Resp: 158559

Ion Ratio Lower Upper

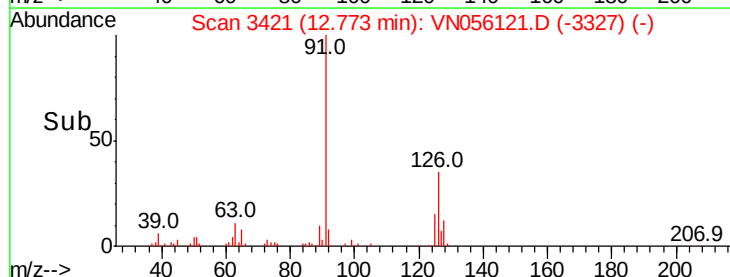
91 100

126 34.6 17.8 53.3

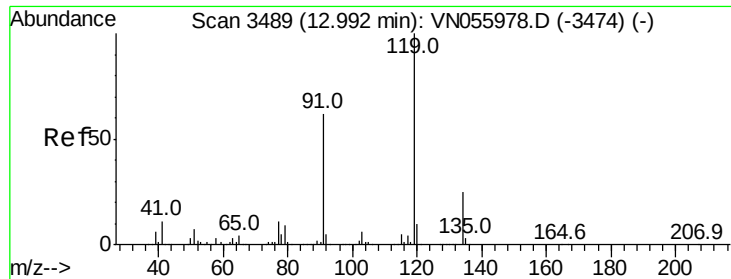


Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V



Time-->



#83

tert-Butylbenzene

Concen: 22.207 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN056121.D

Acq: 8 Jun 2019 00:46

Instrument :

MSVOA_N

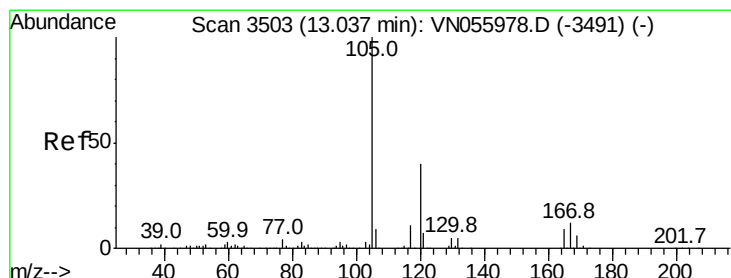
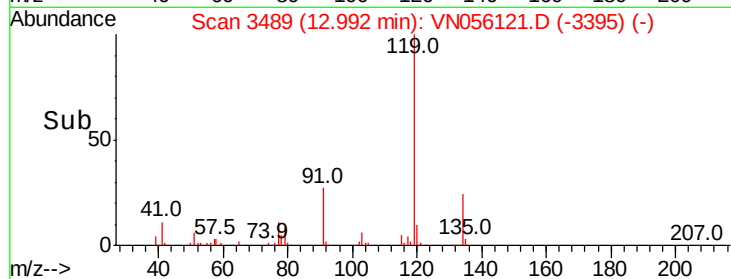
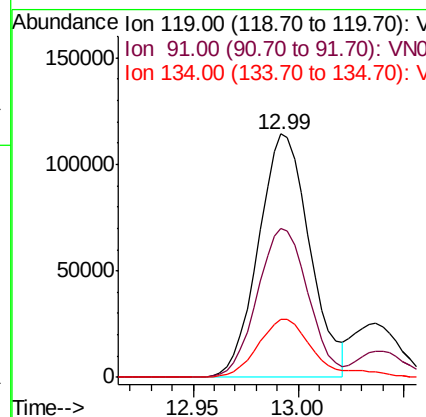
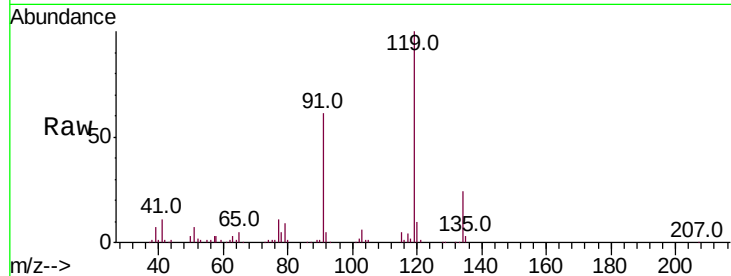
ClientSampleId :

VN0608WBSD03

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.7	30.9	92.8
134	26.2	13.3	39.8

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#84

1,2,4-Trimethylbenzene

Concen: 20.725 ug/l

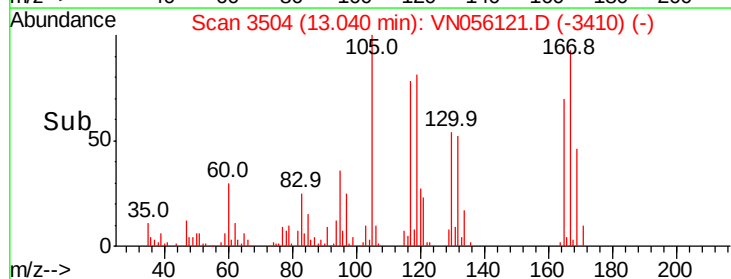
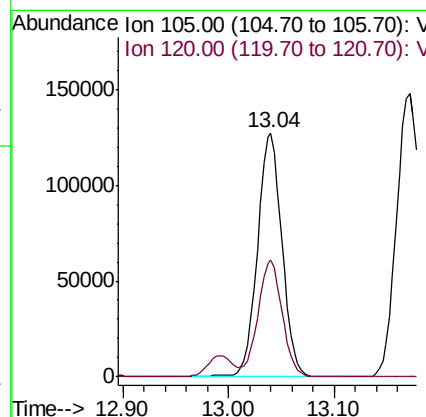
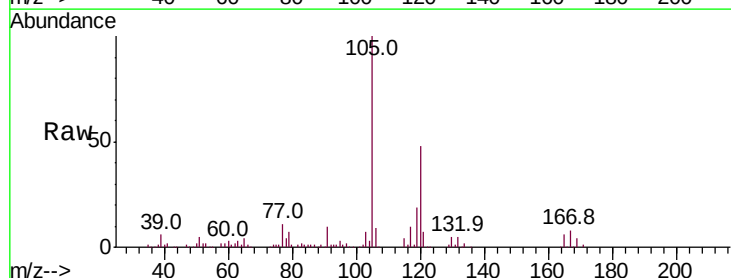
RT: 13.04 min Scan# 3504

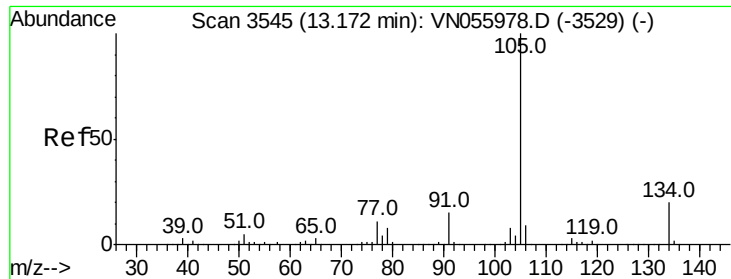
Delta R.T. 0.00 min

Lab File: VN056121.D

Acq: 8 Jun 2019 00:46

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.3	23.0	69.0





#85

sec-Butylbenzene

Concen: 20.609 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN056121.D

Acq: 8 Jun 2019 00:46

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBSD03

Tot Ion:105 Resp: 241098

Ion Ratio Lower Upper

105 100

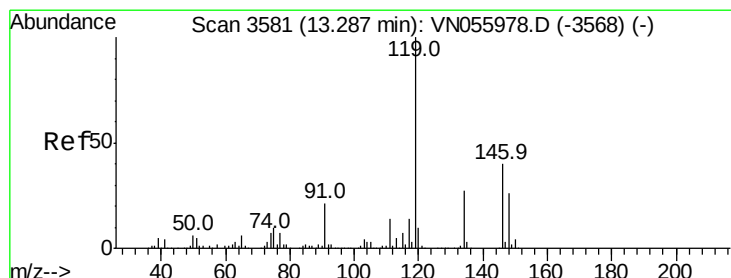
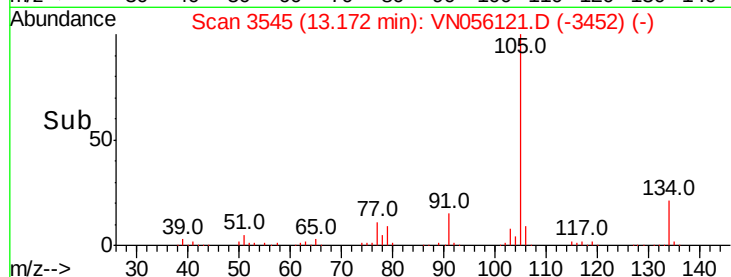
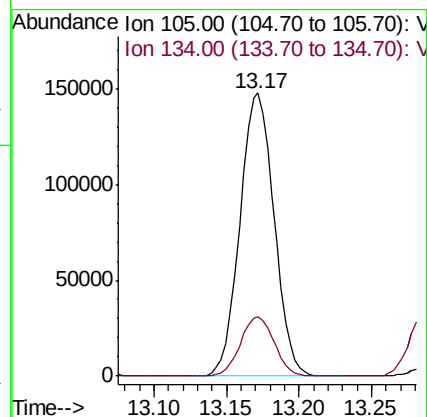
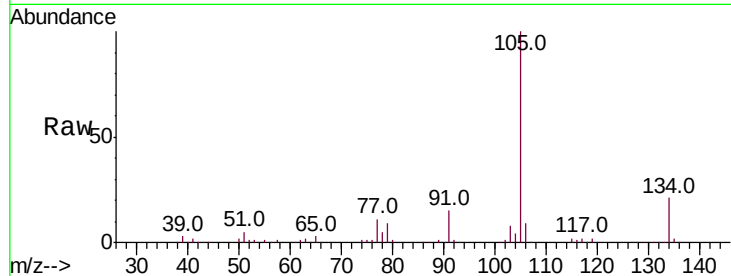
134 20.8 10.4 31.2

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#86

p-Isopropyltoluene

Concen: 20.244 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056121.D

Acq: 8 Jun 2019 00:46

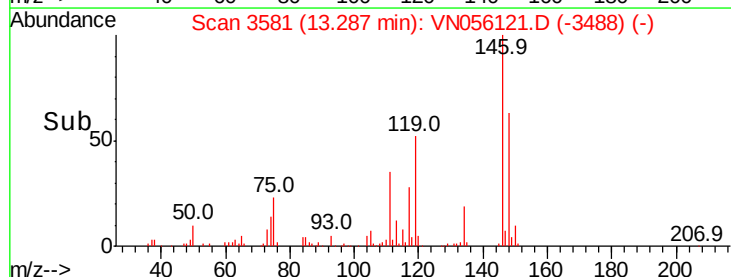
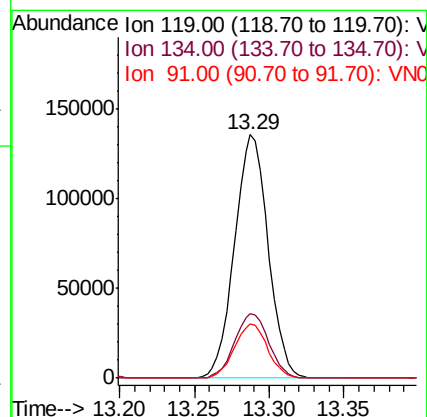
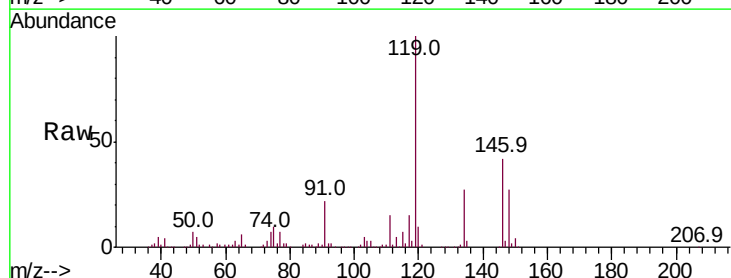
Tgt Ion:119 Resp: 211952

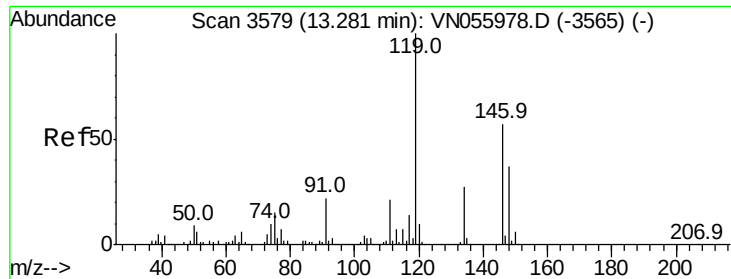
Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.1

91 22.1 10.9 32.9





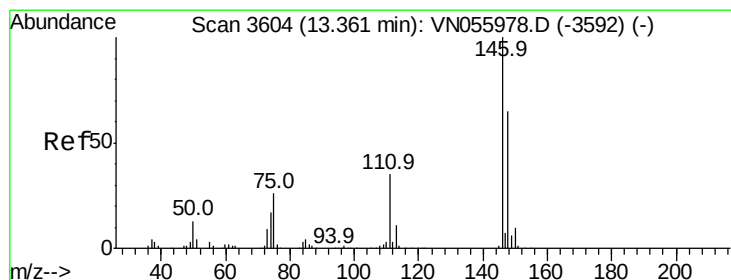
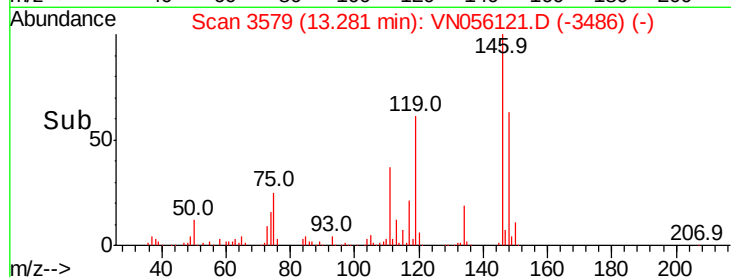
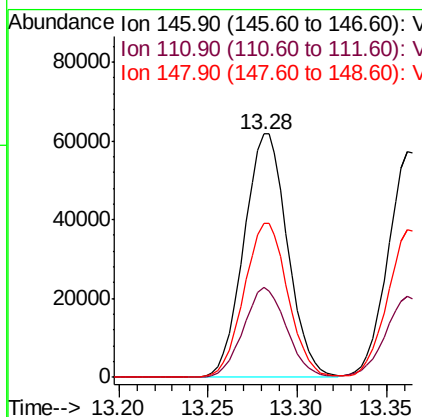
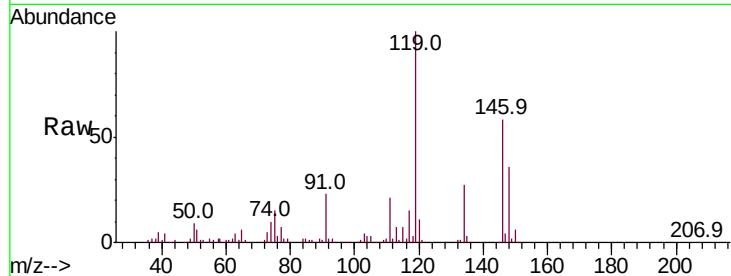
#87
 1,3-Dichlorobenzene
 Concen: 20.424 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056121.D
 Acq: 8 Jun 2019 00:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBSD03

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.3	18.5	55.5
148	63.4	32.0	96.2

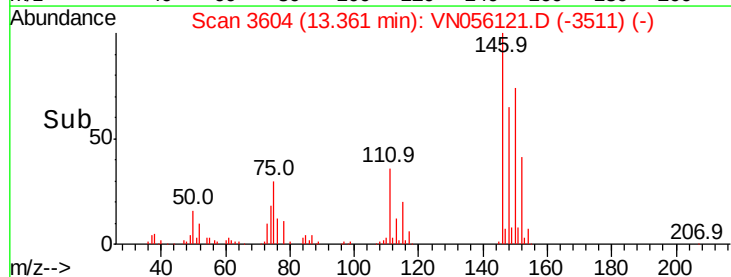
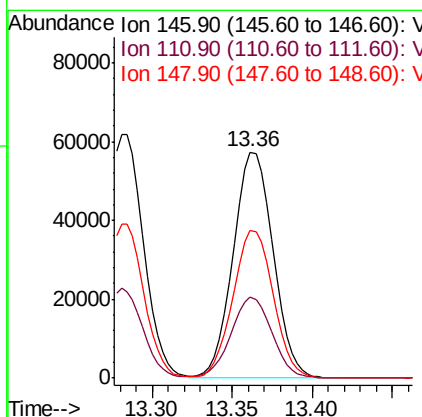
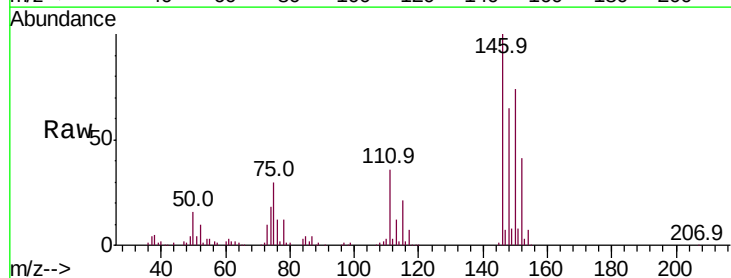
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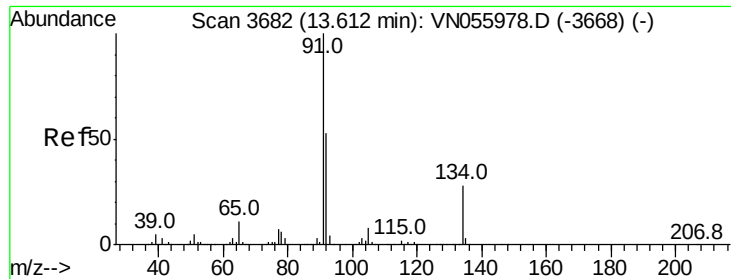
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#88
 1,4-Dichlorobenzene
 Concen: 19.672 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056121.D
 Acq: 8 Jun 2019 00:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.1	54.4
148	65.8	32.1	96.5





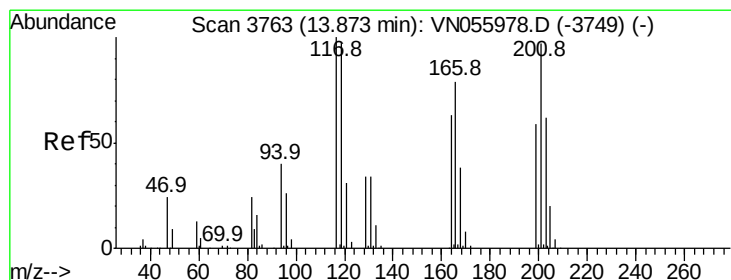
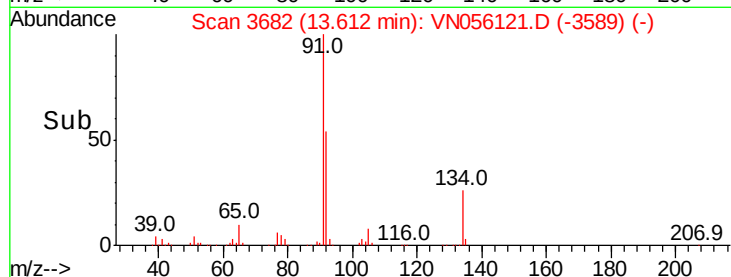
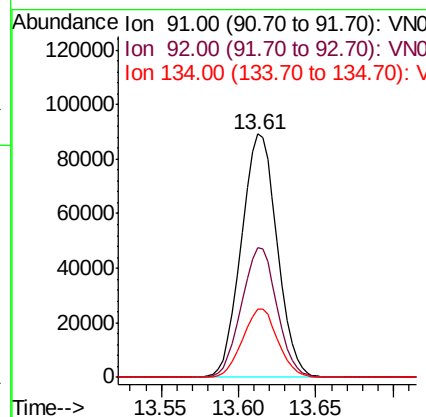
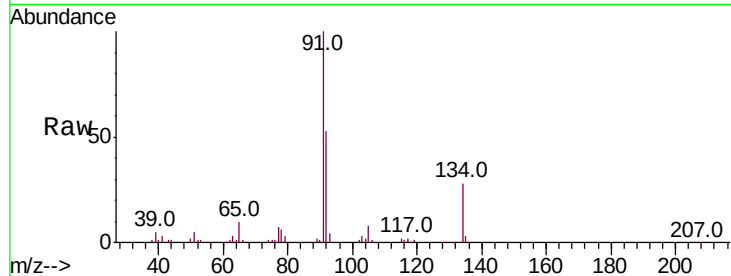
#89
n-Butylbenzene
Concen: 18.550 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN056121.D
Acq: 8 Jun 2019 00:46

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBSD03

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.4	79.0
134	27.5	13.9	41.7

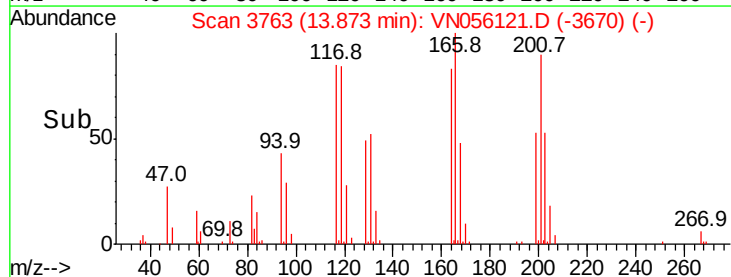
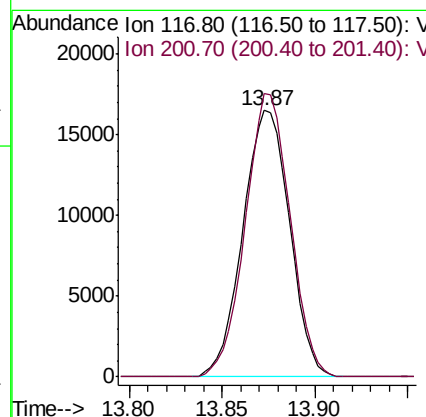
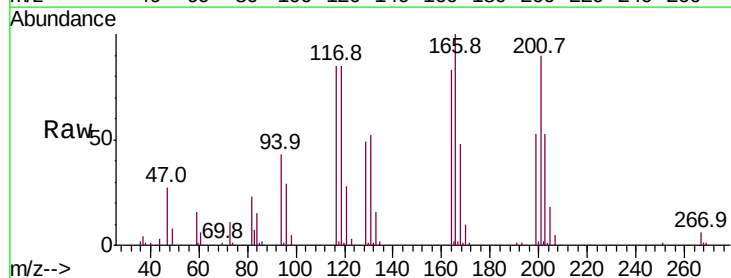
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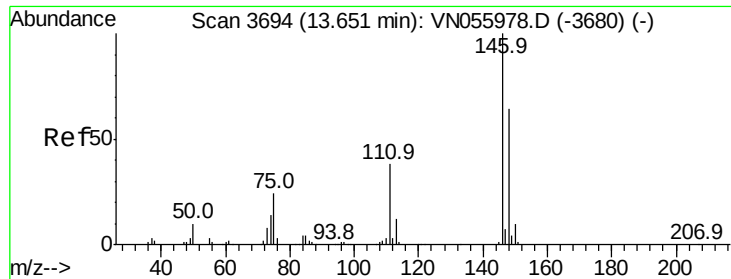
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#90
Hexachloroethane
Concen: 18.287 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN056121.D
Acq: 8 Jun 2019 00:46

Tgt Ion	Ratio	Lower	Upper
117	100		
201	101.6	50.0	150.0





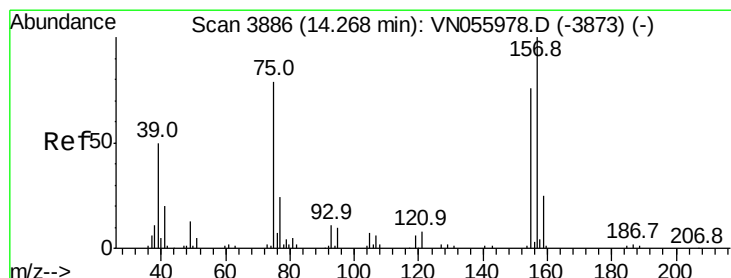
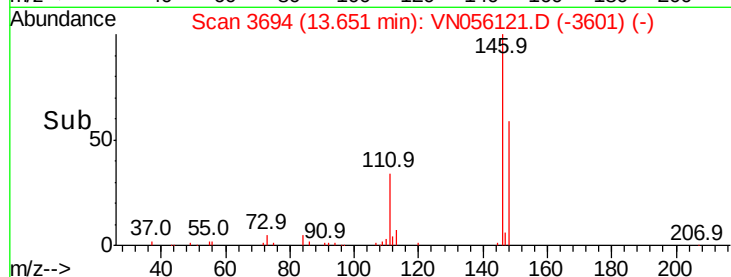
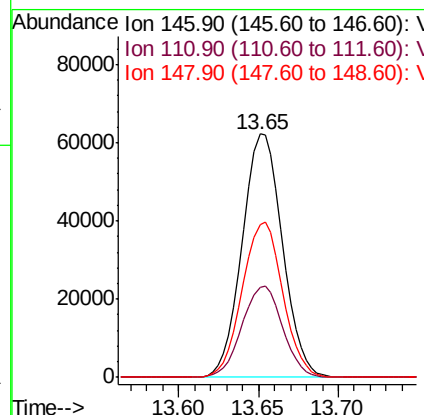
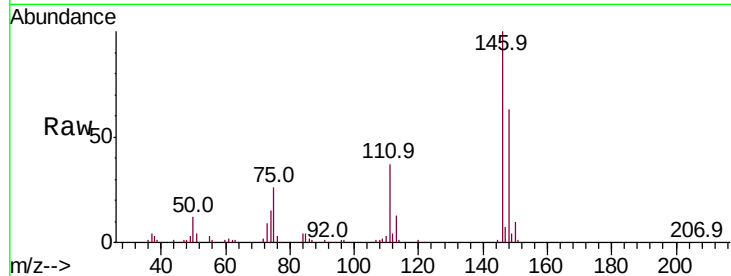
#91
 1,2-Dichlorobenzene
 Concen: 20.406 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN056121.D
 Acq: 8 Jun 2019 00:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBSD03

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	19.1	57.5
148	64.2	31.9	95.9

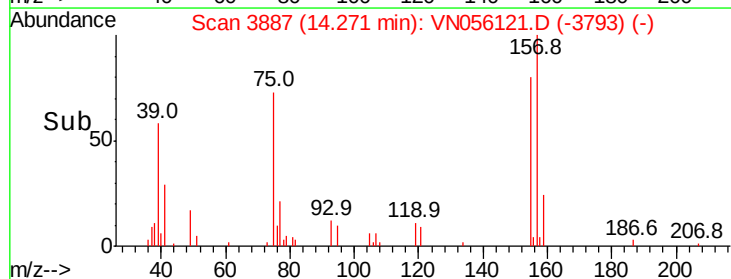
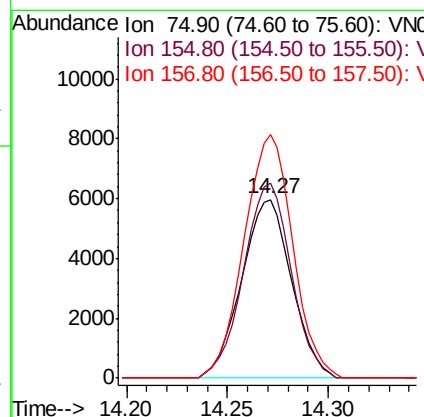
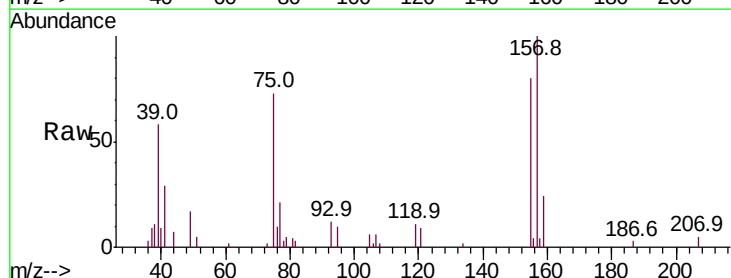
Manual Integrations
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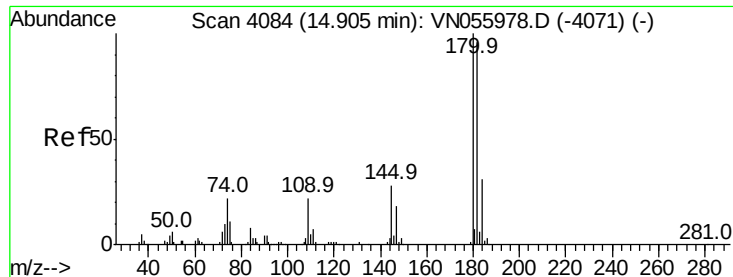
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.973 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN056121.D
 Acq: 8 Jun 2019 00:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	104.5	50.0	150.1
157	133.2	64.8	194.3





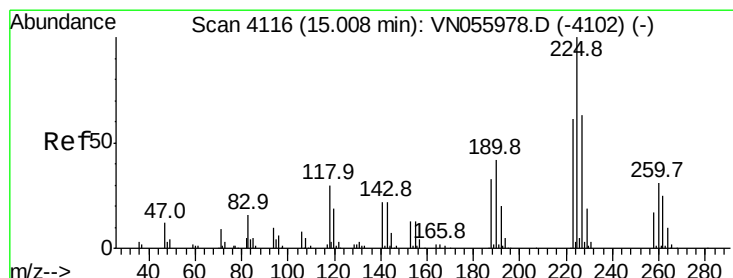
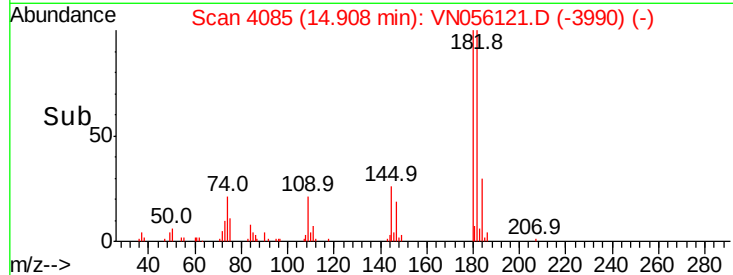
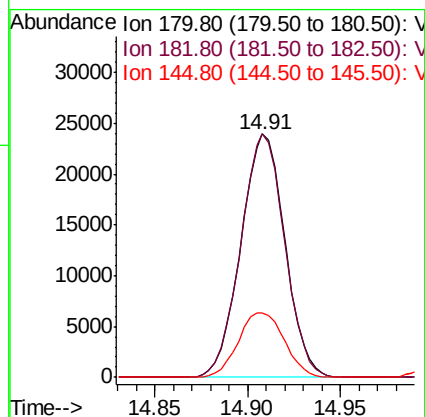
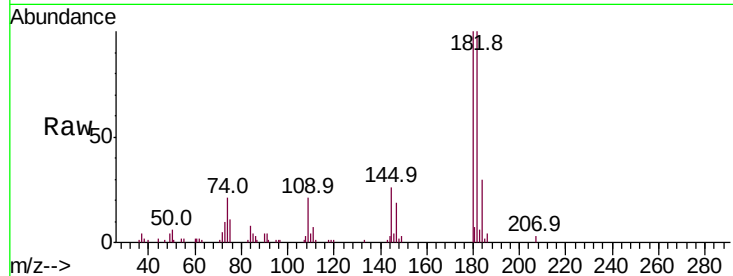
#93
 1,2,4-Trichlorobenzene
 Concen: 16.877 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056121.D
 Acq: 8 Jun 2019 00:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBSD03

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	99.3	48.3	144.9	
145	27.7	14.0	41.9	

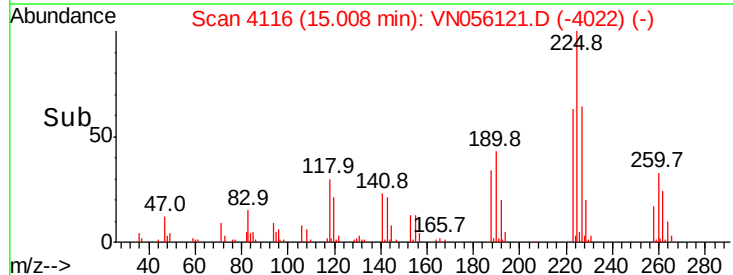
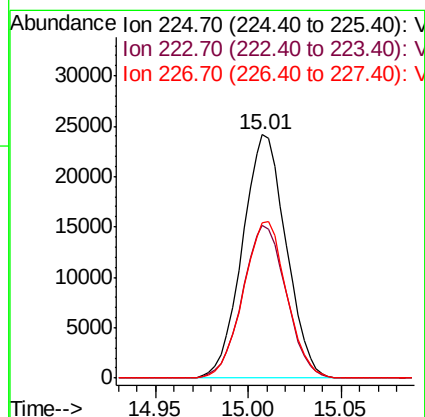
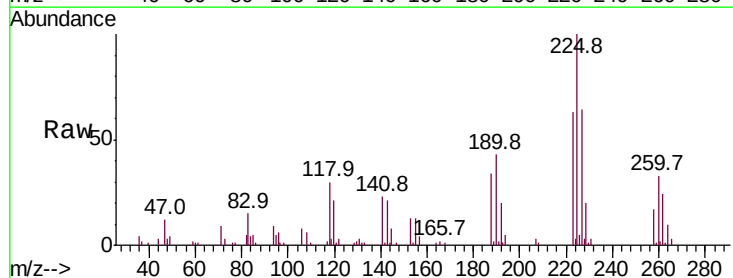
Manual Integrations
 APPROVED

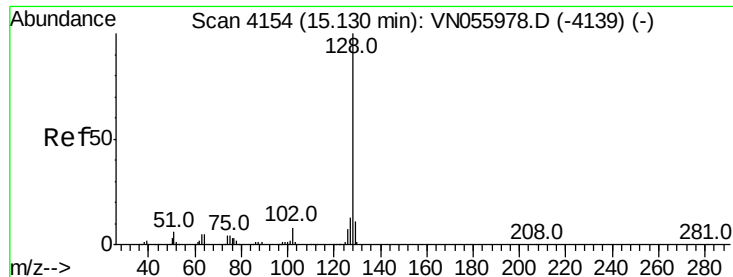
MMDadoda
 6/10/2019 11:26:21 AM



#94
 Hexachlorobutadiene
 Concen: 20.805 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056121.D
 Acq: 8 Jun 2019 00:46

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.7	30.9	92.7	
227	63.8	31.6	94.7	





#95

Naphthalene

Concen: 17.986 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN056121.D

Acq: 8 Jun 2019 00:46

Instrument :

MSVOA_N

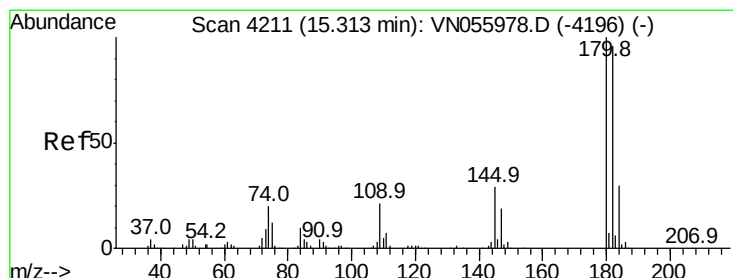
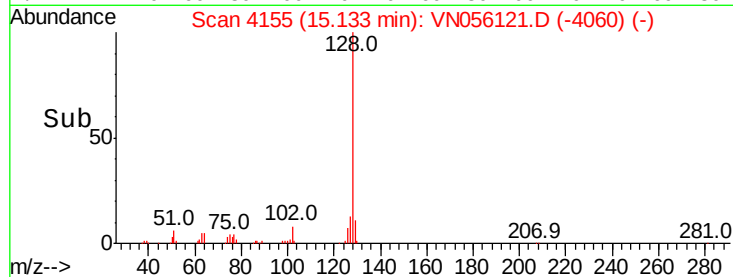
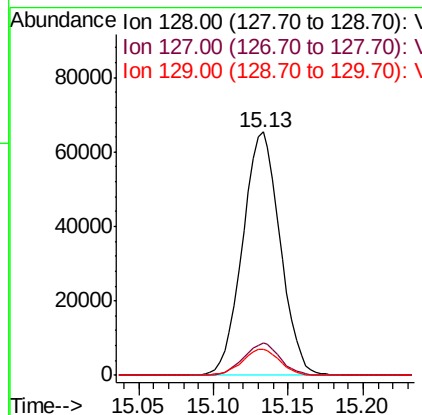
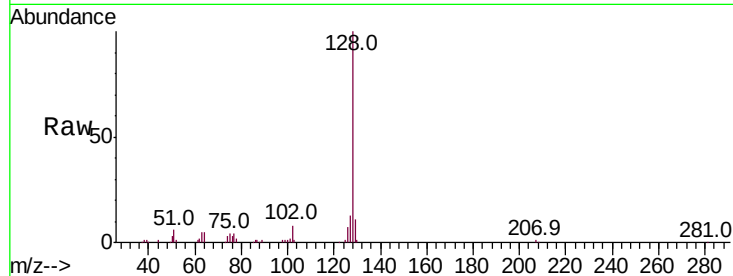
ClientSampleId :

VN0608WBSD03

Tot Ion:	128	Resp:	114376
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.3	15.5
129	10.6	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
6/10/2019 11:26:21 AM



#96

1,2,3-Trichlorobenzene

Concen: 18.696 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056121.D

Acq: 8 Jun 2019 00:46

Tgt Ion:	180	Resp:	48920
Ion Ratio	Lower	Upper	
180	100		
182	93.2	47.9	143.7
145	29.8	14.9	44.7

