

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061219\
 Data File : VN056249.D
 Acq On : 12 Jun 2019 15:24
 Operator : JC/SP
 Sample : VN0612WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0612WBS02

Manual Integrations
 APPROVED

MMDadoda
 6/13/2019 11:08:41 AM

Quant Time: Jun 13 05:17:17 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	271574	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	383696	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	343674	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	139445	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	134699	49.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.90%	
35) Dibromofluoromethane	7.59	113	124826	53.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.04%	
50) Toluene-d8	10.09	98	447022	49.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.70%	
62) 4-Bromofluorobenzene	12.40	95	144479	46.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.80%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.85	85	53772	18.250	ug/l 99
3) Chloromethane	2.06	50	56183	19.085	ug/l 100
4) Vinyl Chloride	2.18	62	57957	19.627	ug/l 99
5) Bromomethane	2.55	94	38782	20.790	ug/l 98
6) Chloroethane	2.69	64	33190	19.385	ug/l 99
7) Trichlorofluoromethane	3.01	101	76637	20.329	ug/l 99
8) Diethyl Ether	3.40	74	30167	19.459	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	48415	21.142	ug/l 99
10) Methyl Iodide	3.94	142	63701	17.504	ug/l 99
11) Tert butyl alcohol	4.82	59	40523	86.357	ug/l 97
12) 1,1-Dichloroethene	3.73	96	45287	19.864	ug/l 95
13) Acrolein	3.60	56	9359	69.154	ug/l 99
14) Allyl chloride	4.31	41	72906	20.252	ug/l 98
15) Acrylonitrile	4.99	53	129177	113.086	ug/l 100
16) Acetone	3.82	43	130407	101.118	ug/l 100
17) Carbon Disulfide	4.04	76	102236	18.729	ug/l 100
18) Methyl Acetate	4.33	43	61536	23.991	ug/l 100
19) Methyl tert-butyl Ether	5.05	73	144941	19.945	ug/l 99
20) Methylene Chloride	4.54	84	54127	20.372	ug/l 98
21) trans-1,2-Dichloroethene	5.03	96	48324	19.783	ug/l 95
22) Diisopropyl ether	5.96	45	152548	20.499	ug/l 99
23) Vinyl Acetate	5.90	43	601620	102.660	ug/l 100
24) 1,1-Dichloroethane	5.85	63	89017	20.737	ug/l 99
25) 2-Butanone	6.84	43	177814	109.126	ug/l 99
26) 2,2-Dichloropropane	6.82	77	61200	18.271	ug/l 98
27) cis-1,2-Dichloroethene	6.82	96	58104	20.236	ug/l 96
28) Bromochloromethane	7.19	49	44309	21.827	ug/l 96
29) Tetrahydrofuran	7.22	42	112347	111.542	ug/l 99
30) Chloroform	7.37	83	92975	21.531	ug/l 99
31) Cyclohexane	7.65	56	78722	18.398	ug/l 93
32) 1,1,1-Trichloroethane	7.57	97	76955	21.341	ug/l 99
36) 1,1-Dichloropropene	7.79	75	64910	19.674	ug/l 99
37) Ethyl Acetate	6.93	43	67109	22.861	ug/l 99
38) Carbon Tetrachloride	7.77	117	66710	21.932	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	76695	18.661	ug/l	98
40) Benzene	8.04	78	207924	20.750	ug/l	100
41) Methacrylonitrile	7.18	41	29716	22.002	ug/l	89
42) 1,2-Dichloroethane	8.12	62	68433	21.231	ug/l	99
43) Isopropyl Acetate	8.17	43	98328	20.670	ug/l #	91
44) Trichloroethene	8.83	130	61243	21.269	ug/l	99
45) 1,2-Dichloropropane	9.12	63	55078	21.459	ug/l	99
46) Dibromomethane	9.21	93	38058	22.675	ug/l	98
47) Bromodichloromethane	9.40	83	71577	23.530	ug/l	99
48) Methyl methacrylate	9.20	41	49174	21.130	ug/l	98
49) 1,4-Dioxane	9.21	88	21735	432.605	ug/l	91
51) 4-Methyl-2-Pentanone	9.99	43	331690	111.502	ug/l	100
52) Toluene	10.16	92	127693	20.479	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	62824	19.168	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	76130	20.820	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	55621	22.519	ug/l	97
56) Ethyl methacrylate	10.43	69	74267	20.610	ug/l	99
57) 1,3-Dichloropropane	10.71	76	87217	21.722	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	121108	94.600	ug/l	100
59) 2-Hexanone	10.75	43	233942	108.506	ug/l	99
60) Dibromochloromethane	10.90	129	58706	22.946	ug/l	98
61) 1,2-Dibromoethane	11.01	107	55941	22.155	ug/l	100
64) Tetrachloroethene	10.63	164	60330	20.280	ug/l	99
65) Chlorobenzene	11.43	112	140809	20.587	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	55681	23.577	ug/l	98
67) Ethyl Benzene	11.51	91	238580	20.060	ug/l	99
68) m/p-Xylenes	11.62	106	181693	39.991	ug/l	98
69) o-Xylene	11.95	106	88793	19.868	ug/l	100
70) Styrene	11.96	104	142830	20.115	ug/l	100
71) Bromoform	12.13	173	44227	23.824	ug/l #	99
73) Isopropylbenzene	12.25	105	236630	22.474	ug/l	99
74) N-amyl acetate	12.07	43	76206	20.501	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	75005	23.170	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	65004m	25.334	ug/l	
77) Bromobenzene	12.53	156	64774	21.696	ug/l	94
78) n-propylbenzene	12.59	91	237418	20.125	ug/l	98
79) 2-Chlorotoluene	12.67	91	151649	21.870	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	190999	20.372	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	16398	21.283	ug/l	87
82) 4-Chlorotoluene	12.77	91	139752	20.249	ug/l	99
83) tert-Butylbenzene	12.99	119	174231	22.447	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	182495	20.526	ug/l	97
85) sec-Butylbenzene	13.17	105	217320	20.802	ug/l	100
86) p-Isopropyltoluene	13.29	119	189071	20.222	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	95768	20.726	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	87071	19.589	ug/l	98
89) n-Butylbenzene	13.61	91	122297	17.657	ug/l	99
90) Hexachloroethane	13.87	117	34417	24.408	ug/l	94
91) 1,2-Dichlorobenzene	13.65	146	98200	21.050	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	11160	24.103	ug/l	91

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Quant Title : SW846 8260
QLast Update : Tue Jun 04 11:02:09 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	33816	16.301	ug/l	99
94) Hexachlorobutadiene	15.01	225	41219	24.707	ug/l	99
95) Naphthalene	15.13	128	88569	16.108	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	41594	17.945	ug/l	100

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

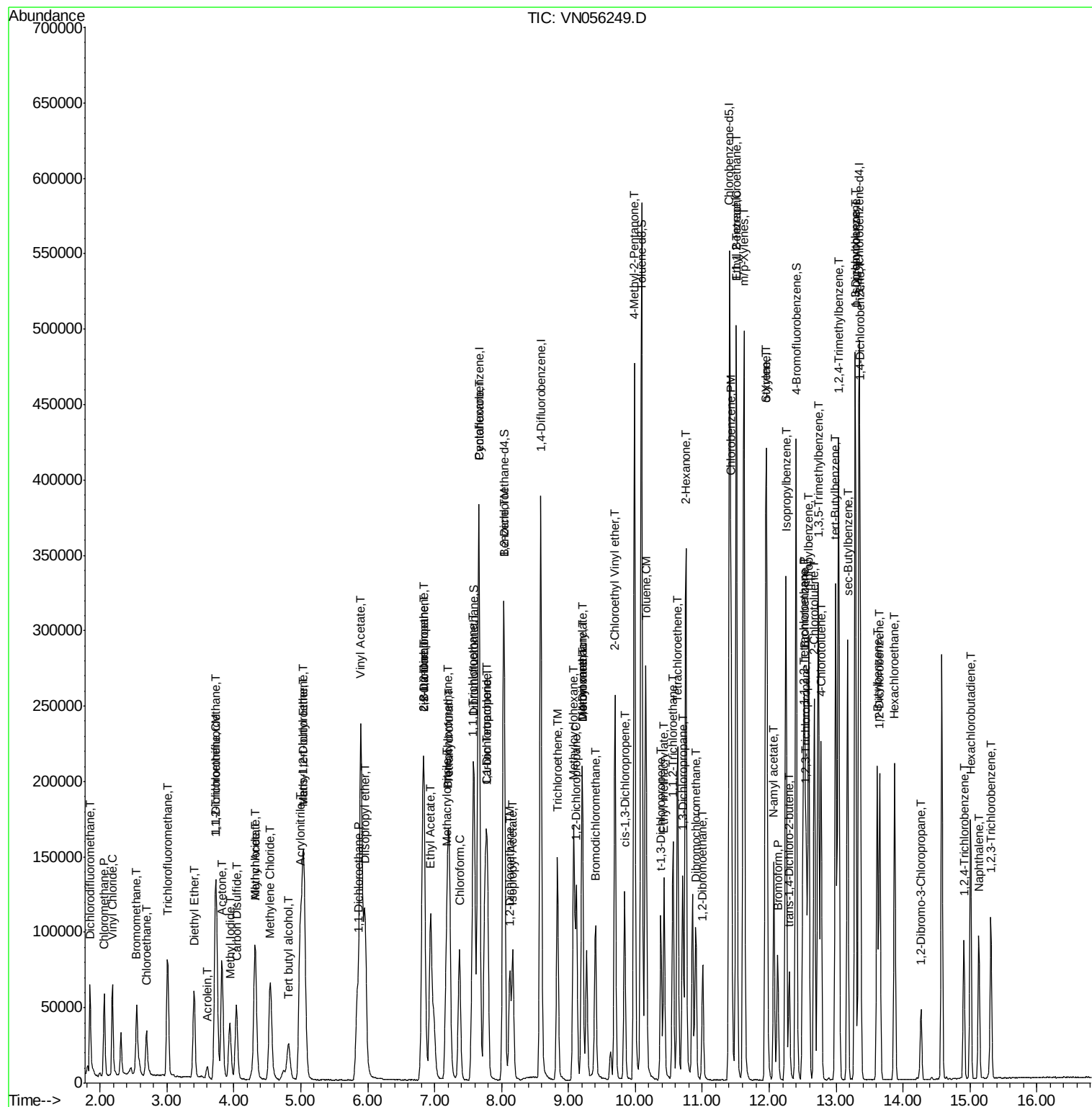
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Data File : VN056249.D
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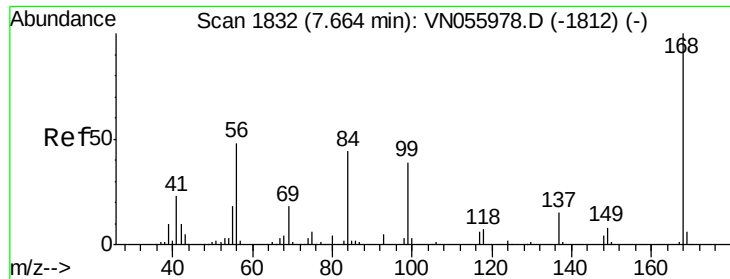
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056249.D

Acq: 12 Jun 2019 15:24

Instrument :

MSVOA_N

ClientSampleId :

VN0612WBS02

Tot Ion:168 Resp: 271574

Ion Ratio Lower Upper

168 100

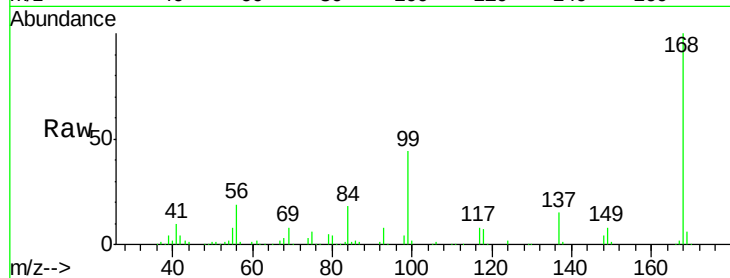
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Manual Integrations

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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

120000

100000

80000

60000

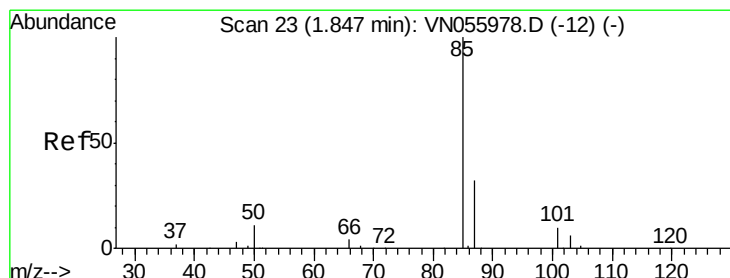
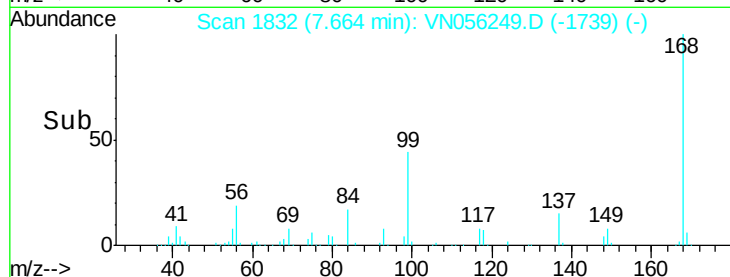
40000

20000

0

7.60 7.65 7.70 7.75 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 18.250 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN056249.D

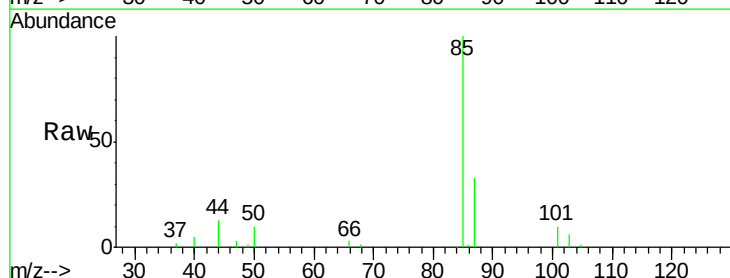
Acq: 12 Jun 2019 15:24

Tgt Ion: 85 Resp: 53772

Ion Ratio Lower Upper

85 100

87 32.8 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

40000

30000

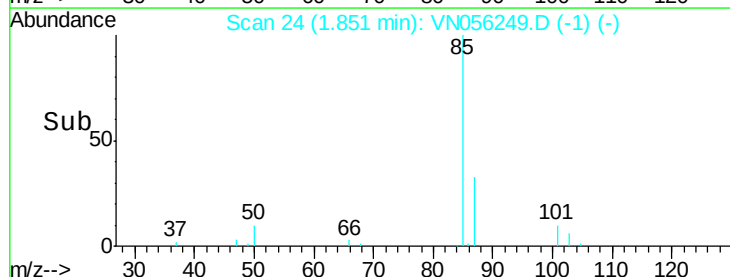
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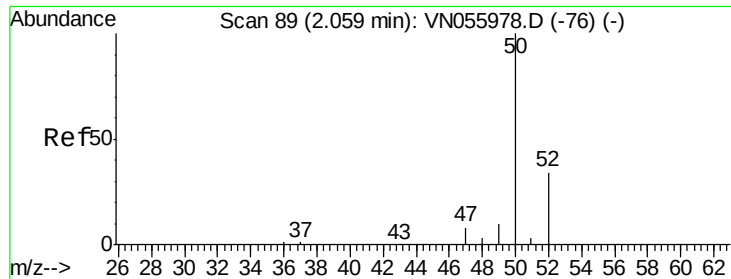
10000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 19.085 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN056249.D

Acq: 12 Jun 2019 15:24

Instrument :

MSVOA_N

ClientSampled :

VN0612WBS02

Tot Ion: 50 Resp: 56183

Ion Ratio Lower Upper

50 100

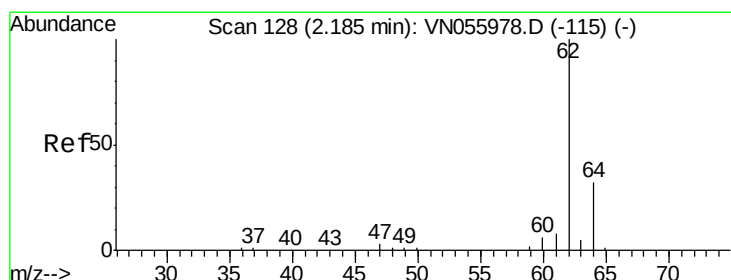
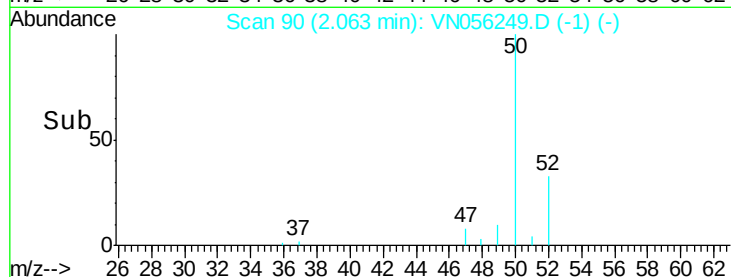
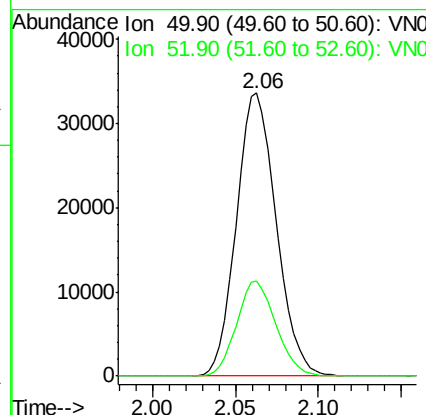
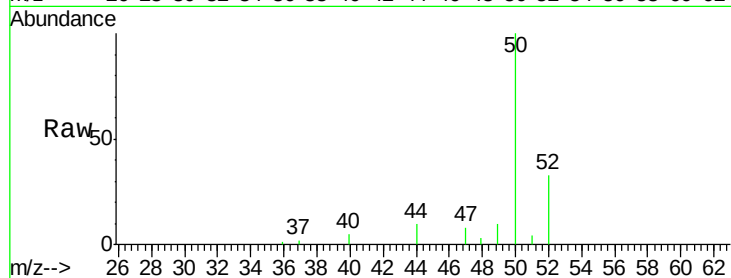
52 33.5 26.6 40.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.627 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN056249.D

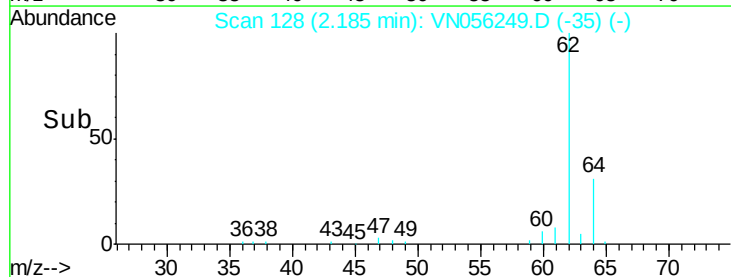
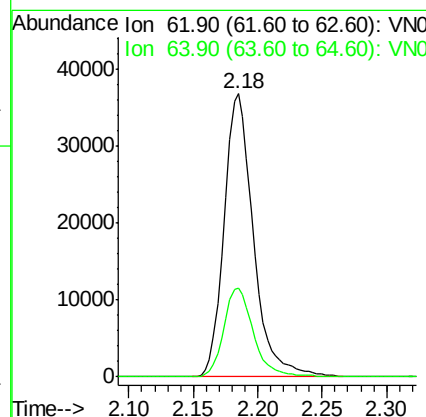
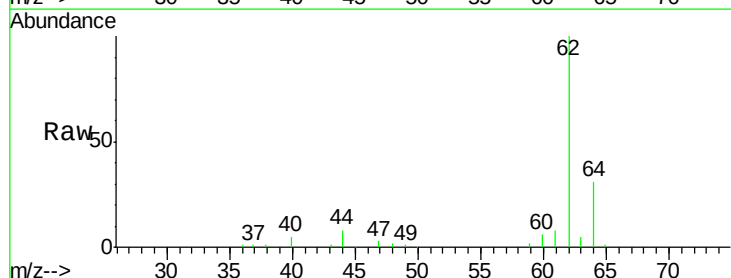
Acq: 12 Jun 2019 15:24

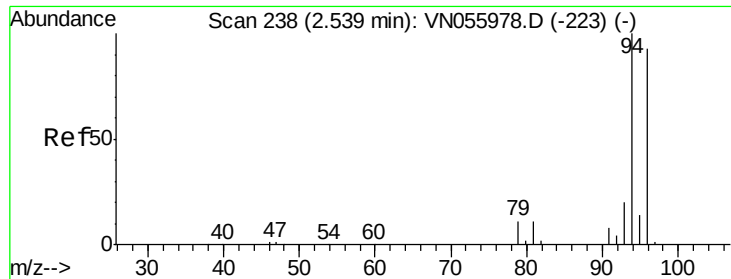
Tgt Ion: 62 Resp: 57957

Ion Ratio Lower Upper

62 100

64 31.5 25.6 38.4





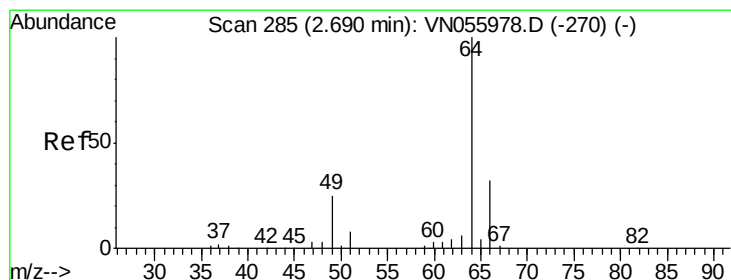
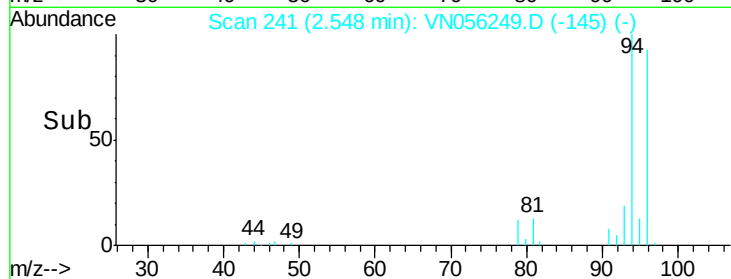
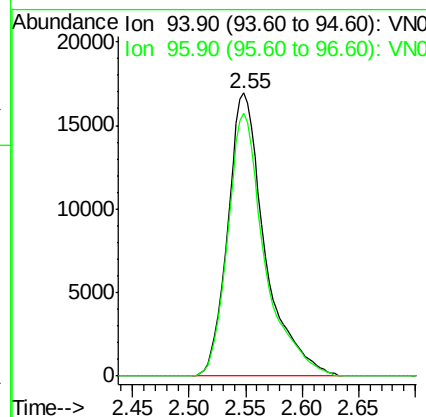
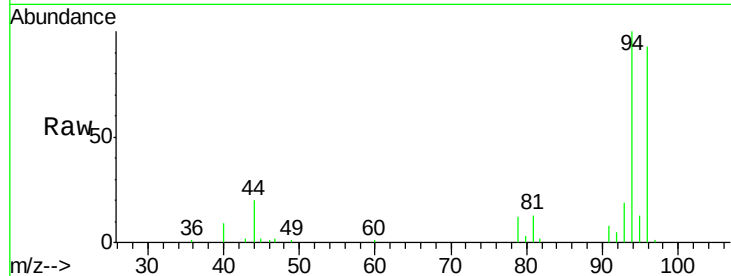
#5
Bromomethane
Concen: 20.790 ug/l
RT: 2.55 min Scan# 241
Delta R.T. 0.01 min
Lab File: VN056249.D
Acq: 12 Jun 2019 15:24

Instrument :
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Tot Ion	Ratio	Lower	Upper
94	100		
96	92.9	75.5	113.3

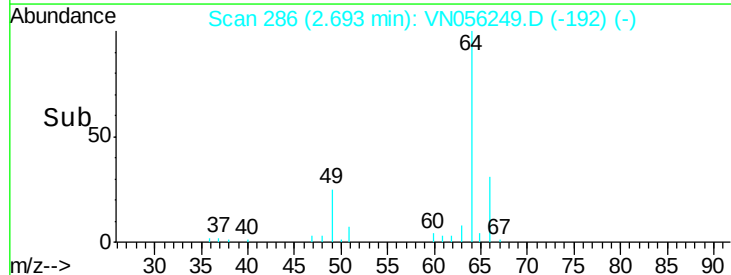
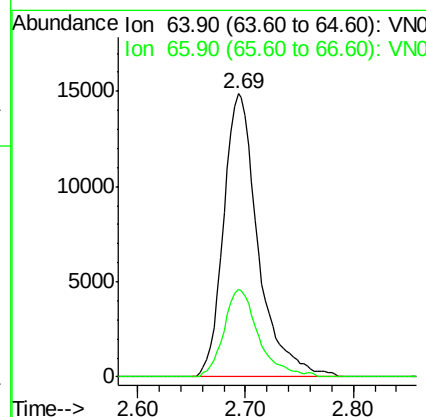
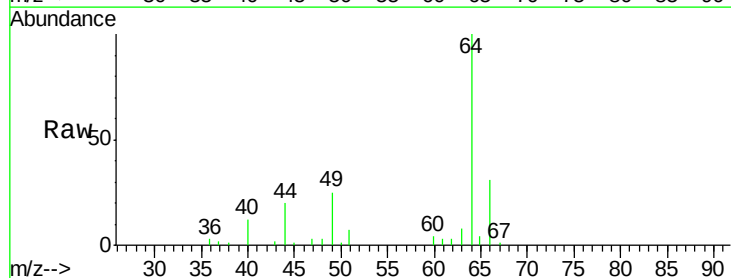
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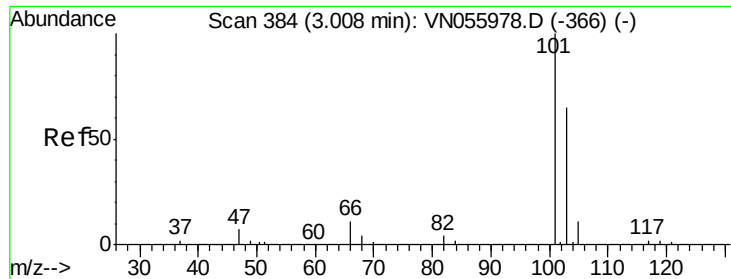
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6/13/2019 11:08:41 AM



#6
Chloroethane
Concen: 19.385 ug/l
RT: 2.69 min Scan# 286
Delta R.T. 0.00 min
Lab File: VN056249.D
Acq: 12 Jun 2019 15:24

Tgt Ion	Ratio	Lower	Upper
64	100		
66	31.1	25.4	38.0





#7

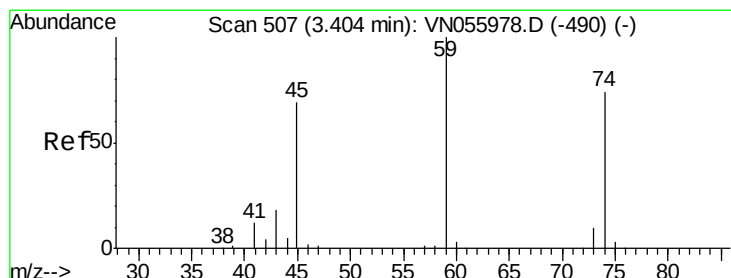
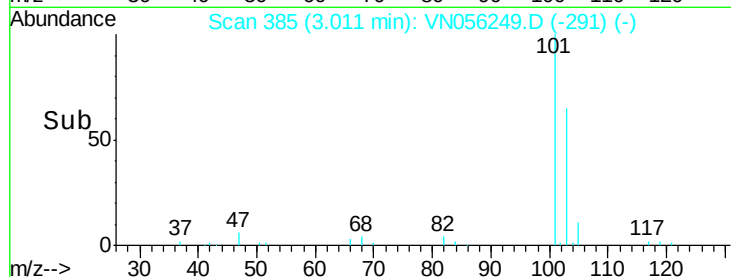
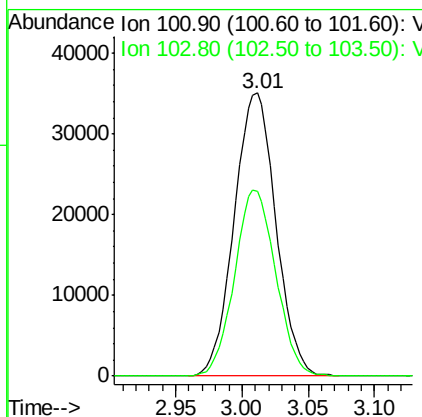
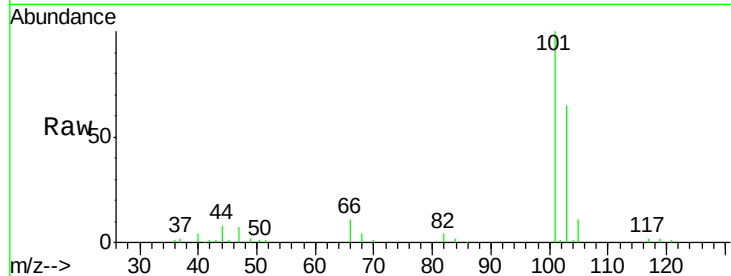
Trichlorofluoromethane
Concen: 20.329 ug/l
RT: 3.01 min Scan# 385
Delta R.T. 0.00 min
Lab File: VN056249.D
Acq: 12 Jun 2019 15:24

Instrument :
MSVOA_N
ClientSampleId :
VN0612WBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.1	51.2	76.8

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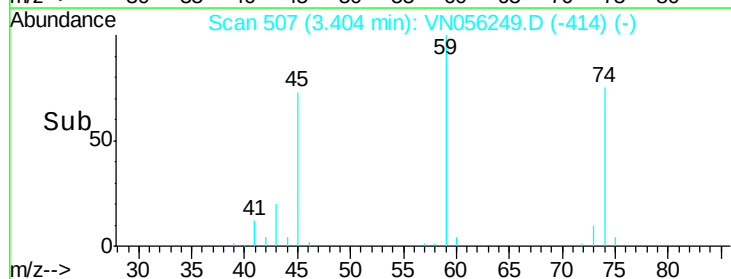
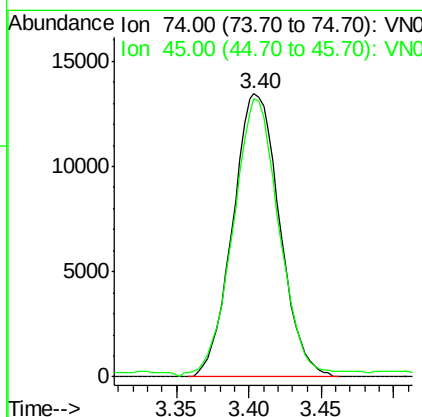
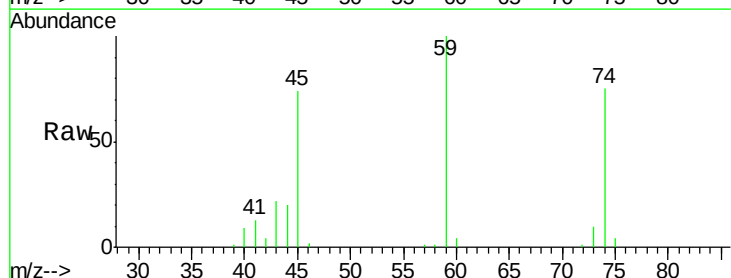
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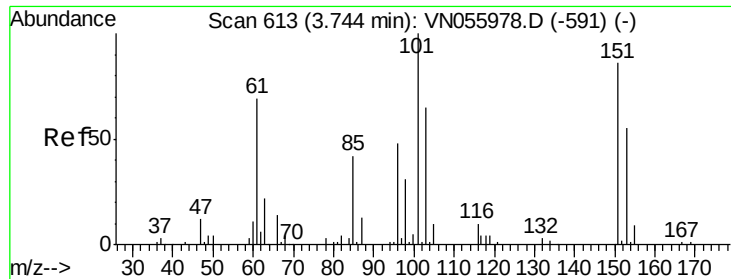


#8

Diethyl Ether
Concen: 19.459 ug/l
RT: 3.40 min Scan# 507
Delta R.T. 0.00 min
Lab File: VN056249.D
Acq: 12 Jun 2019 15:24

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.3	48.6	145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.142 ug/l

RT: 3.74 min Scan# 612

Delta R.T. -0.00 min

Lab File: VN056249.D

Acq: 12 Jun 2019 15:24

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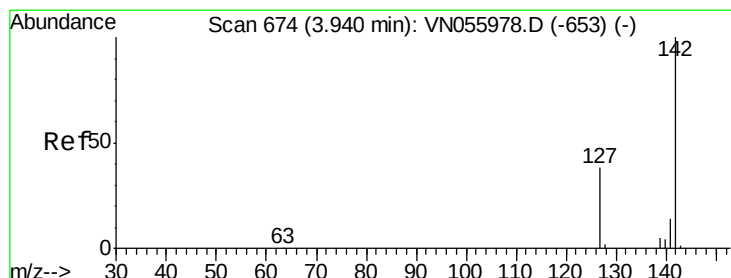
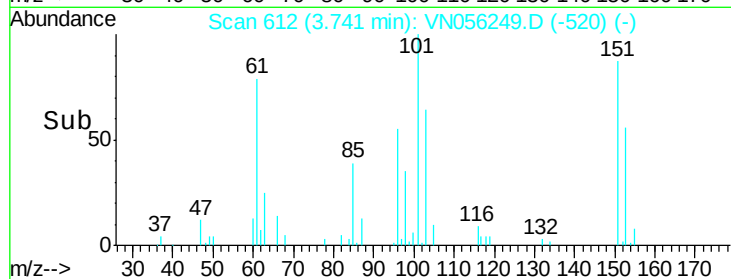
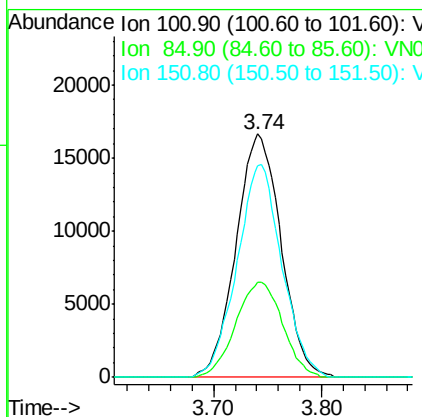
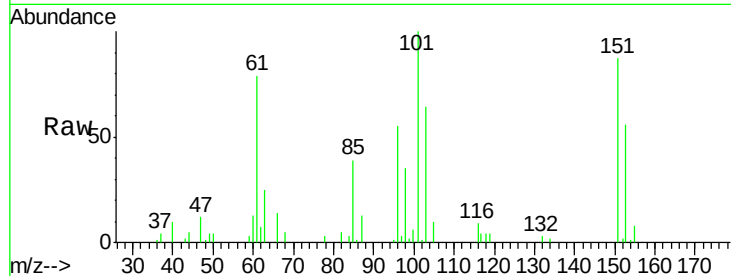
ClientSampleId :

VN0612WBS02

Tot Ion:	101	Resp:	48415
Ion Ratio	Lower	Upper	
101	100		
85	40.5	33.4	50.2
151	87.0	69.4	104.2

Manual Integrations
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#10

Methyl Iodide

Concen: 17.504 ug/l

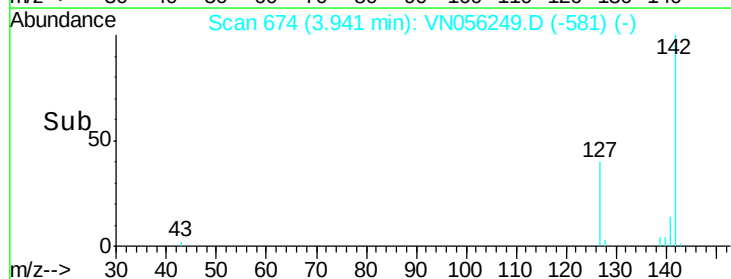
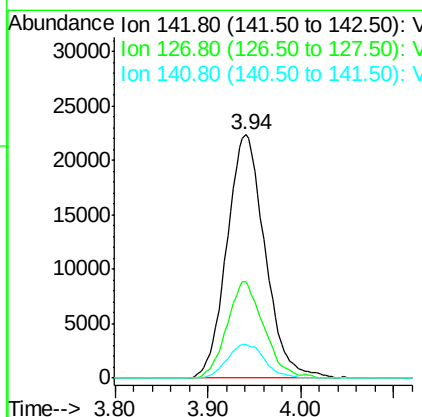
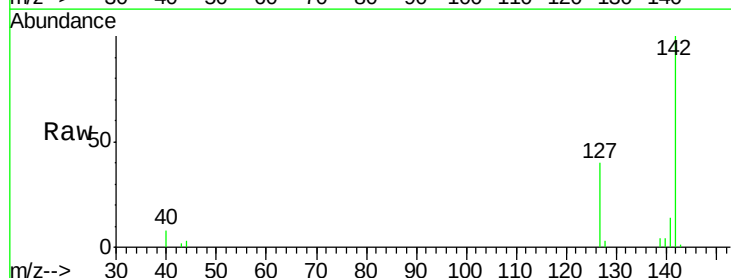
RT: 3.94 min Scan# 674

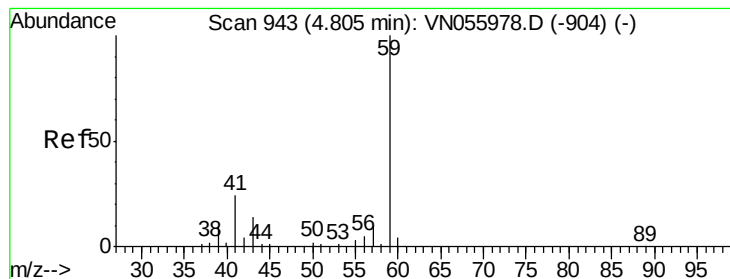
Delta R.T. 0.00 min

Lab File: VN056249.D

Acq: 12 Jun 2019 15:24

Tgt Ion:	142	Resp:	63701
Ion Ratio	Lower	Upper	
142	100		
127	38.4	31.0	46.4
141	13.7	11.4	17.0





#11

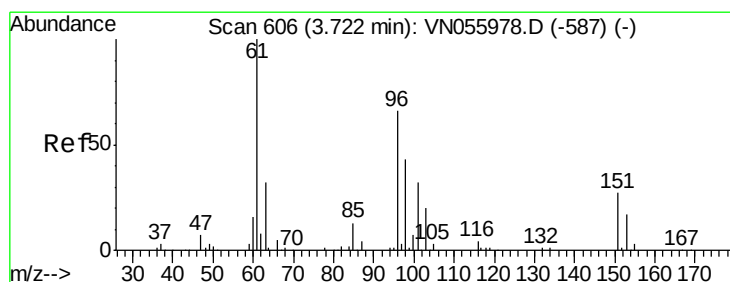
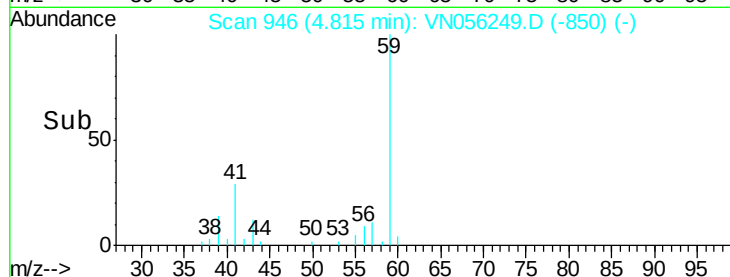
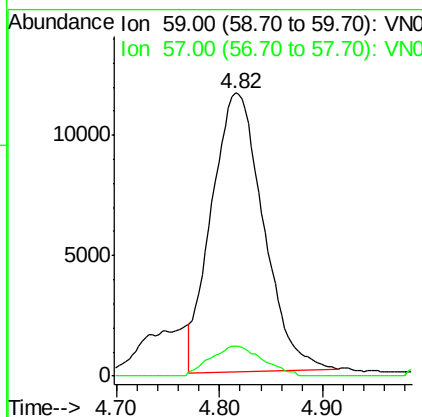
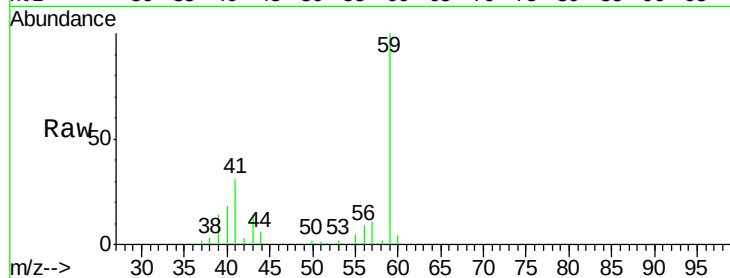
Tert butyl alcohol
 Concen: 86.357 ug/l
 RT: 4.82 min Scan# 946
 Delta R.T. 0.01 min
 Lab File: VN056249.D
 Acq: 12 Jun 2019 15:24

Instrument :
 MSVOA_N
 ClientSampled :
 VN0612WBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.9	7.8	11.6

Manual Integrations
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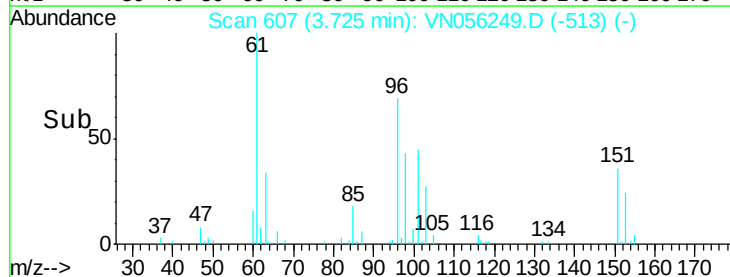
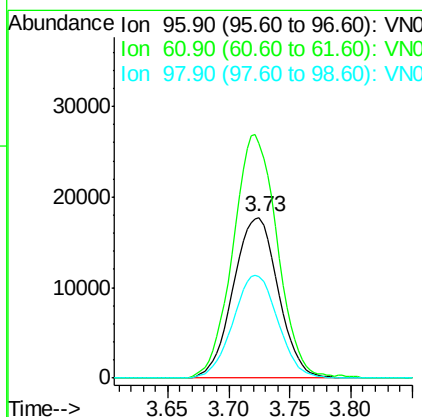
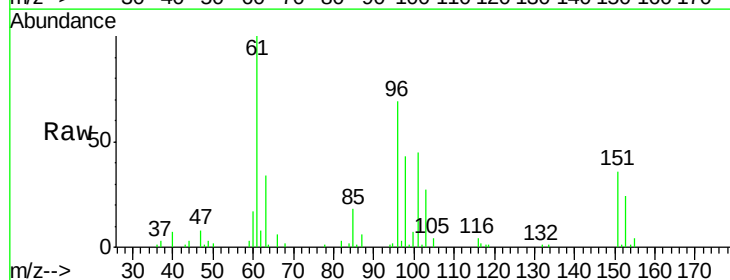
MMDadoda
 6/13/2019 11:08:41 AM

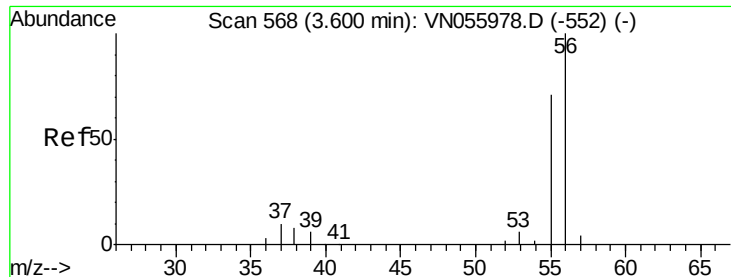


#12

1,1-Dichloroethene
 Concen: 19.864 ug/l
 RT: 3.73 min Scan# 607
 Delta R.T. 0.00 min
 Lab File: VN056249.D
 Acq: 12 Jun 2019 15:24

Tgt Ion	Ratio	Lower	Upper
96	100		
61	146.0	123.2	184.8
98	63.4	50.4	75.6





#13

Acrolein

Concen: 69.154 ug/l

RT: 3.60 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN056249.D

Acq: 12 Jun 2019 15:24

Instrument :

MSVOA_N

ClientSampleId :

VN0612WBS02

Tot Ion: 56 Resp: 9359

Ion Ratio Lower Upper

56 100

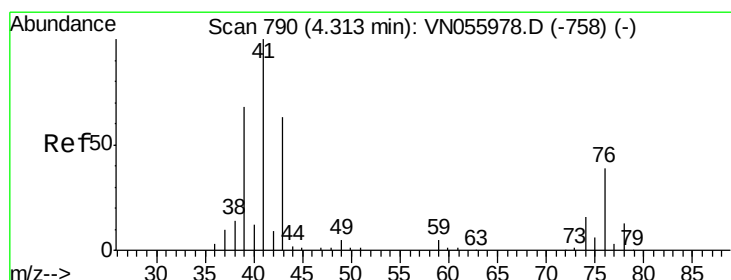
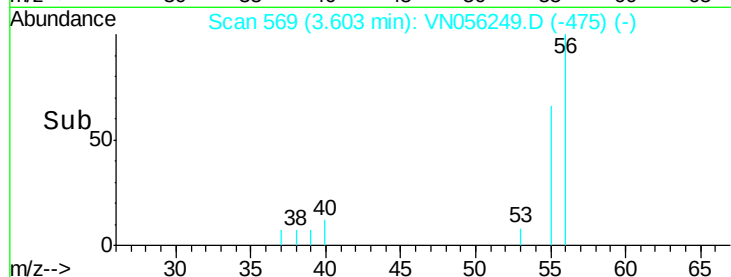
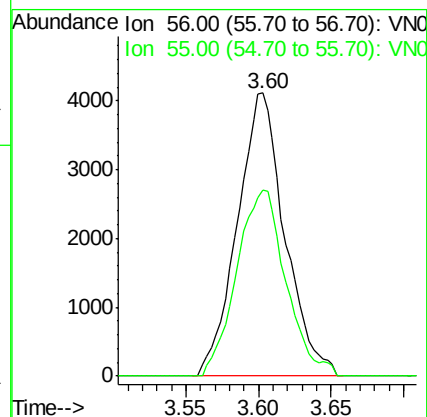
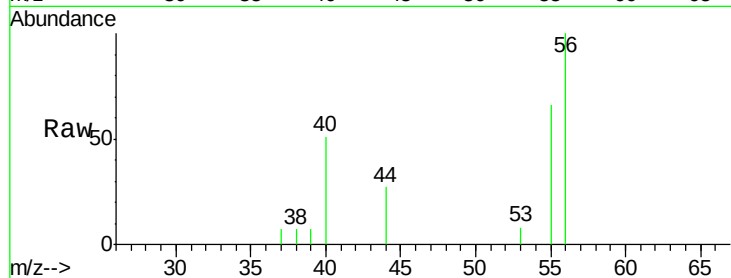
55 68.3 55.4 83.2

Manual Integrations

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MMDadoda

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#14

Allyl chloride

Concen: 20.252 ug/l

RT: 4.31 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN056249.D

Acq: 12 Jun 2019 15:24

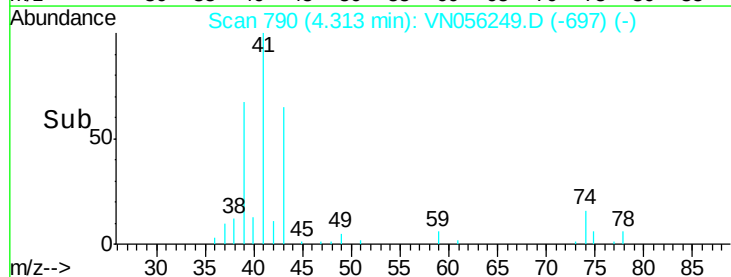
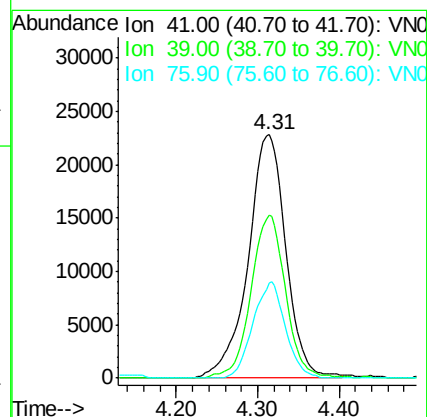
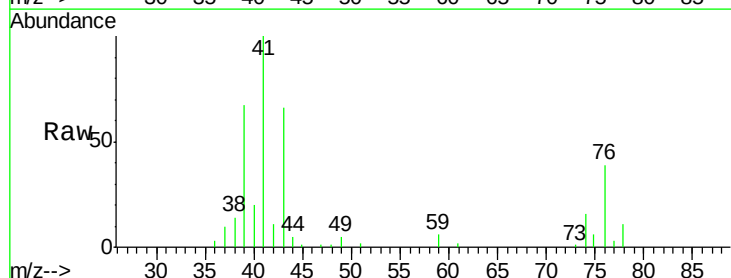
Tgt Ion: 41 Resp: 72906

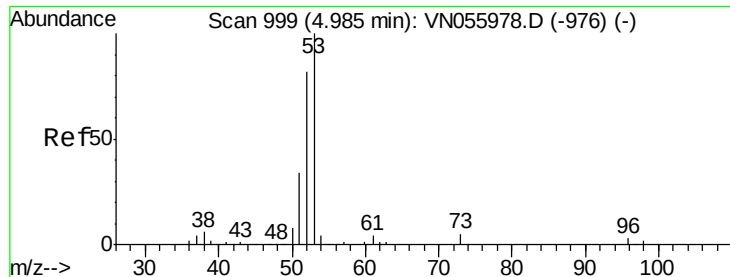
Ion Ratio Lower Upper

41 100

39 61.1 50.0 75.0

76 33.7 28.2 42.2





#15

Acrylonitrile

Concen: 113.086 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN056249.D

Acq: 12 Jun 2019 15:24

Instrument :

MSVOA_N

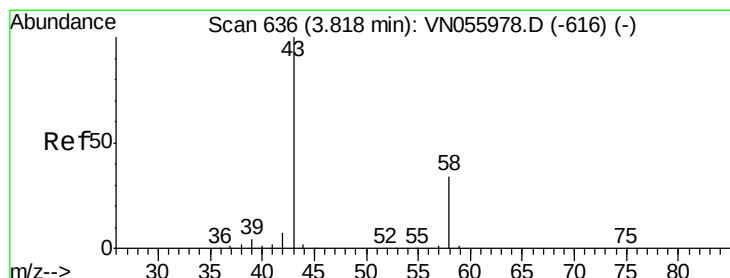
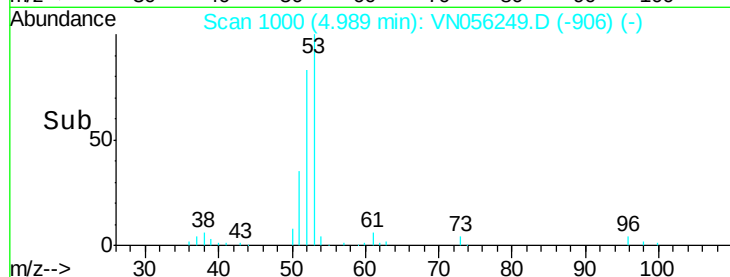
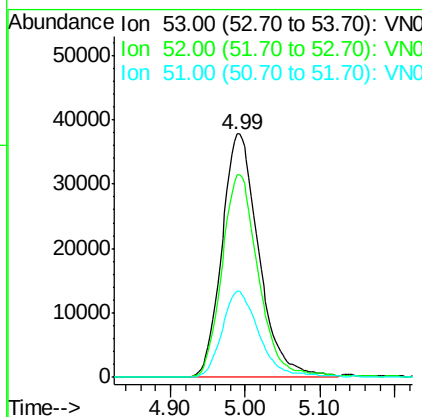
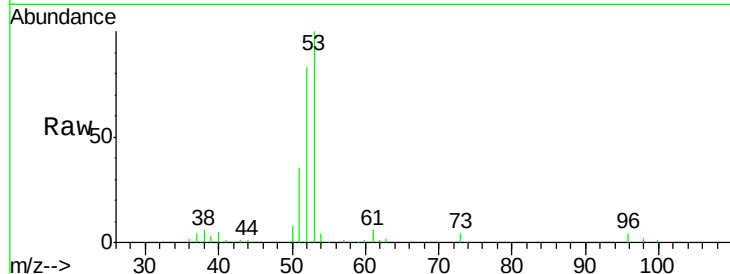
ClientSampleId :

VN0612WBS02

Tot Ion:	53	Resp:	129177
Ion	Ratio	Lower	Upper
53	100		
52	82.1	65.8	98.8
51	35.5	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 101.118 ug/l

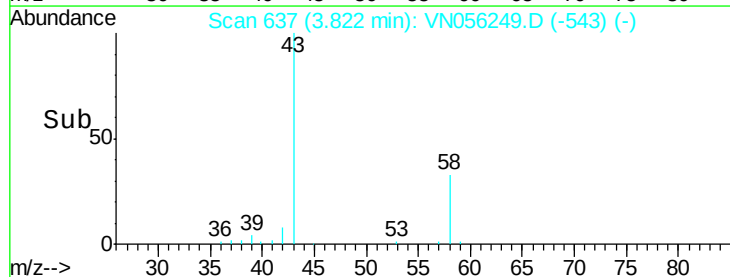
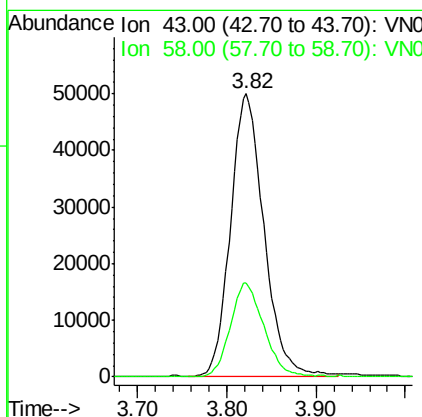
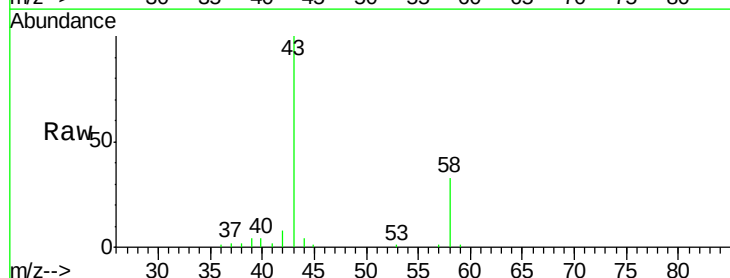
RT: 3.82 min Scan# 637

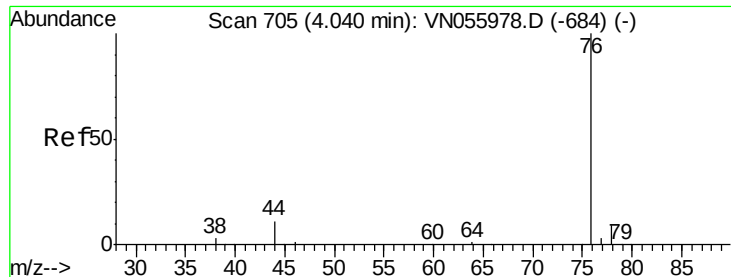
Delta R.T. 0.00 min

Lab File: VN056249.D

Acq: 12 Jun 2019 15:24

Tgt Ion:	43	Resp:	130407
Ion	Ratio	Lower	Upper
43	100		
58	33.3	26.6	39.8





#17

Carbon Disulfide

Concen: 18.729 ug/l

RT: 4.04 min Scan# 704

Delta R.T. -0.00 min

Lab File: VN056249.D

Acq: 12 Jun 2019 15:24

Tot Ion: 76 Resp: 102236

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.2

Instrument :

MSVOA_N

ClientSampleId :

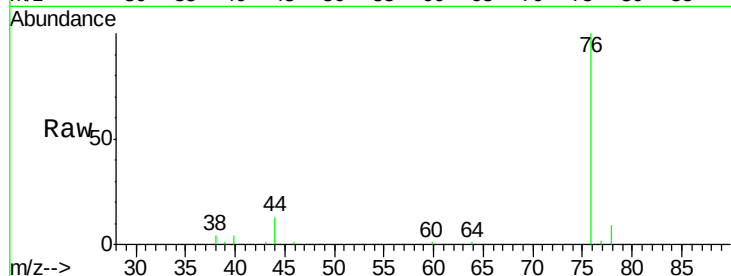
VN0612WBS02

Manual Integrations

APPROVED

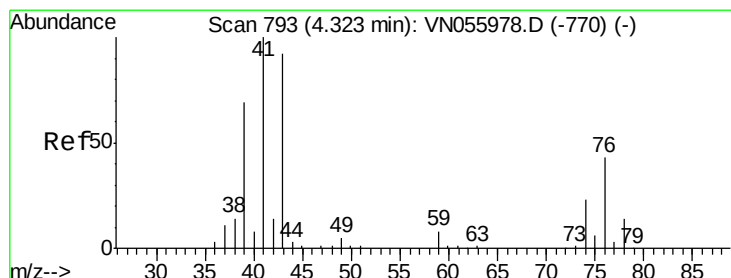
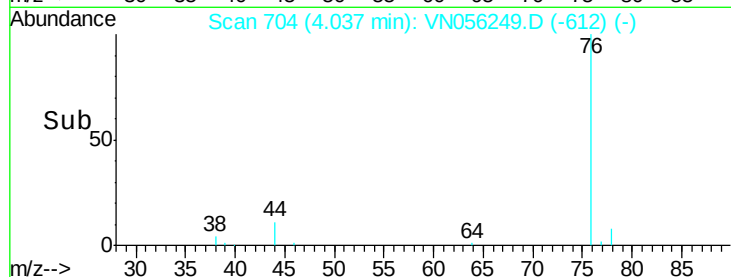
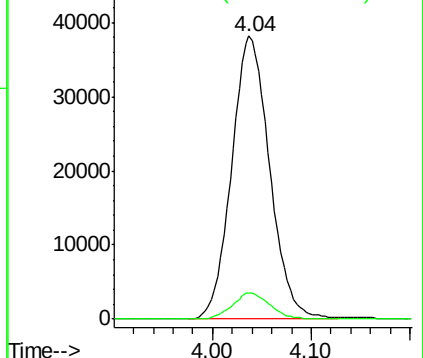
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Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 23.991 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN056249.D

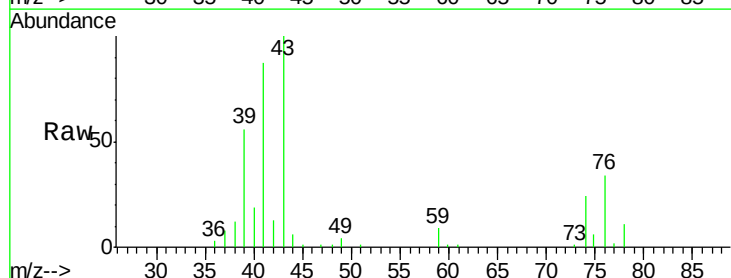
Acq: 12 Jun 2019 15:24

Tgt Ion: 43 Resp: 61536

Ion Ratio Lower Upper

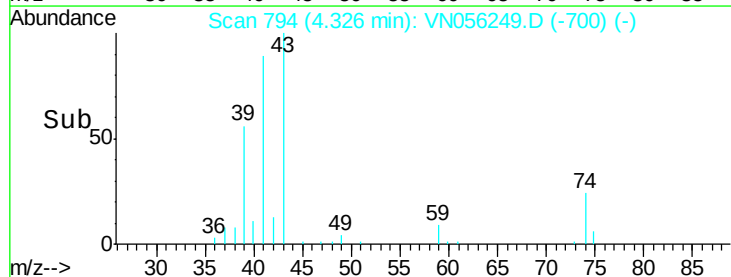
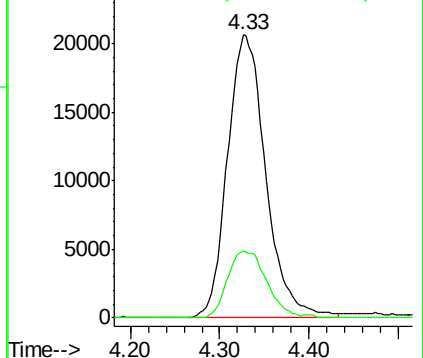
43 100

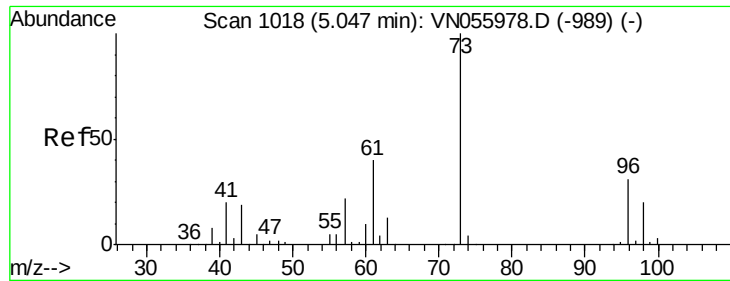
74 24.1 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO





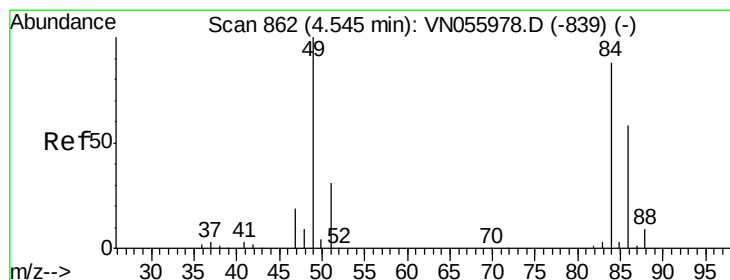
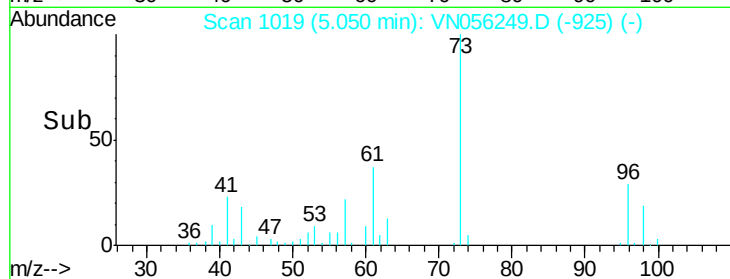
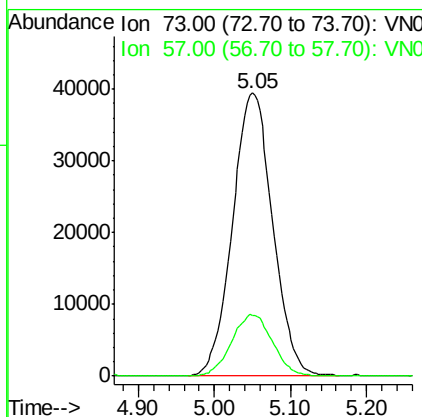
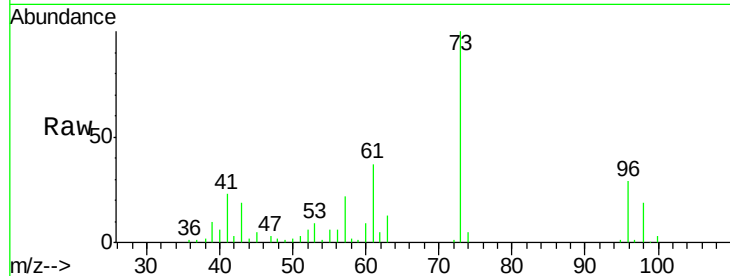
#19
Methyl tert-butyl Ether
Concen: 19.945 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN056249.D
Acq: 12 Jun 2019 15:24

Instrument :
MSVOA_N
ClientSampleId :
VN0612WBS02

Tot Ion: 73 Resp: 144941
Ion Ratio Lower Upper
73 100
57 21.7 17.8 26.8

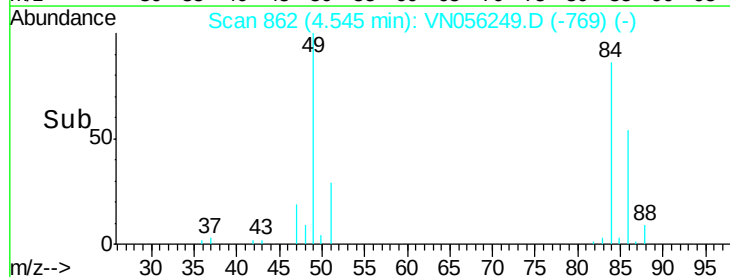
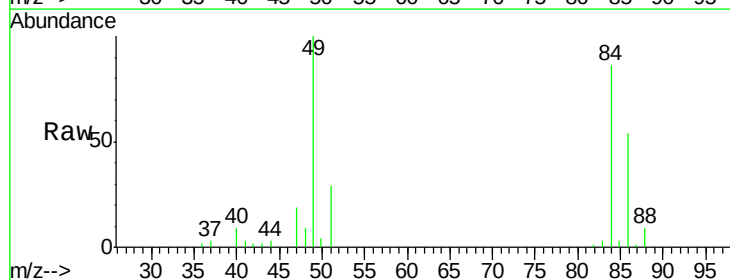
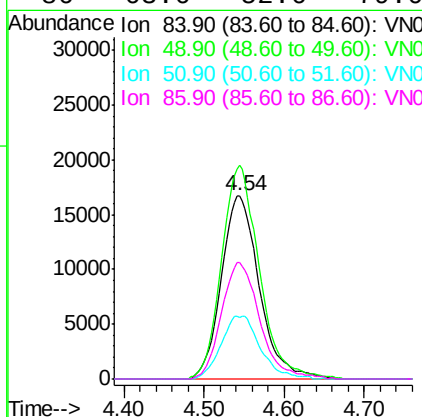
Manual Integrations
APPROVED

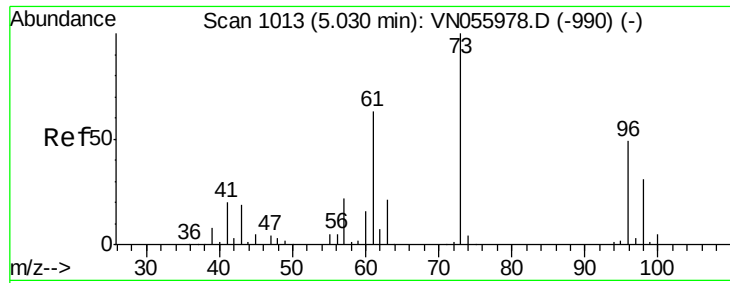
MMDadoda
6/13/2019 11:08:41 AM



#20
Methylene Chloride
Concen: 20.372 ug/l
RT: 4.54 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN056249.D
Acq: 12 Jun 2019 15:24

Tgt Ion: 84 Resp: 54127
Ion Ratio Lower Upper
84 100
49 116.7 93.5 140.3
51 33.7 28.6 43.0
86 63.6 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 19.783 ug/l

RT: 5.03 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VN056249.D

Acq: 12 Jun 2019 15:24

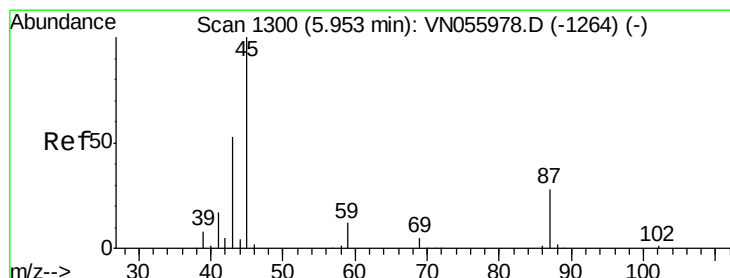
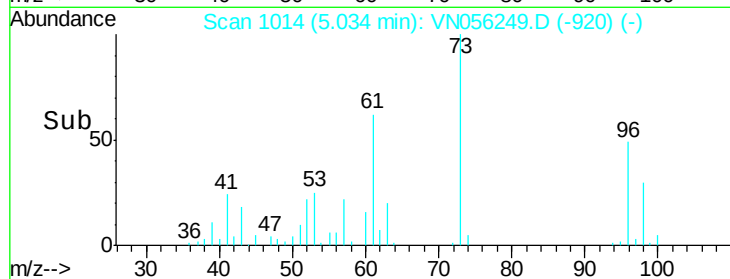
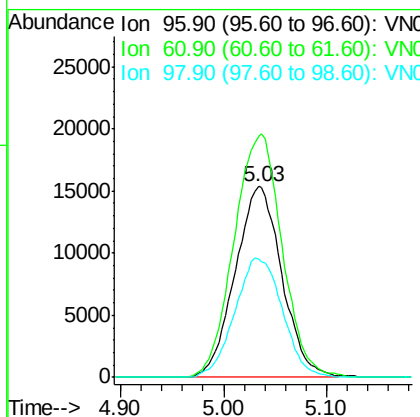
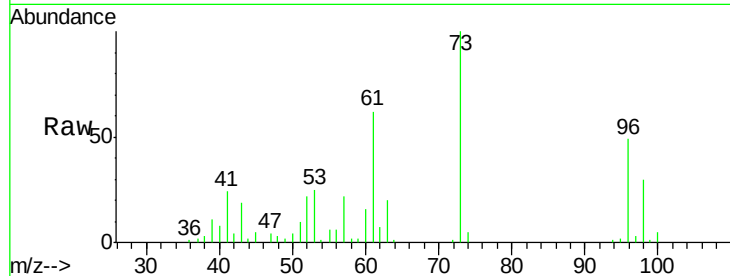
Instrument :
MSVOA_N
ClientSampleId :
VN0612WBS02

Tot Ion: 96 Resp: 48324

Ion	Ratio	Lower	Upper
96	100		
61	126.3	107.8	161.8
98	61.9	49.8	74.8

Manual Integrations
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6/13/2019 11:08:41 AM



#22

Diisopropyl ether

Concen: 20.499 ug/l

RT: 5.96 min Scan# 1301

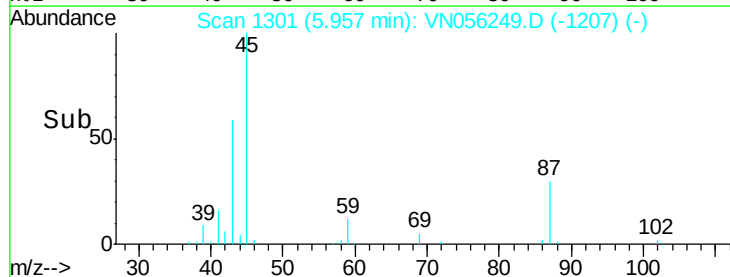
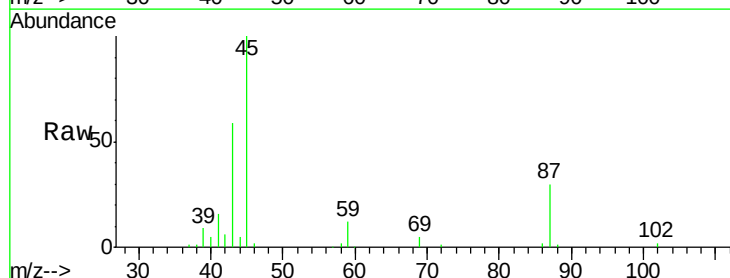
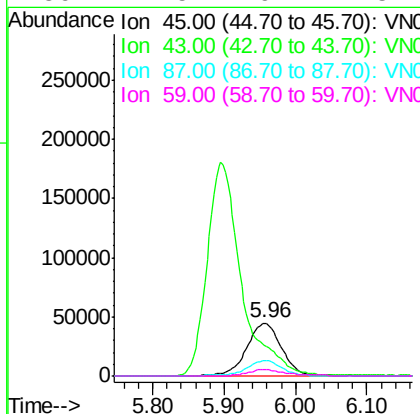
Delta R.T. 0.00 min

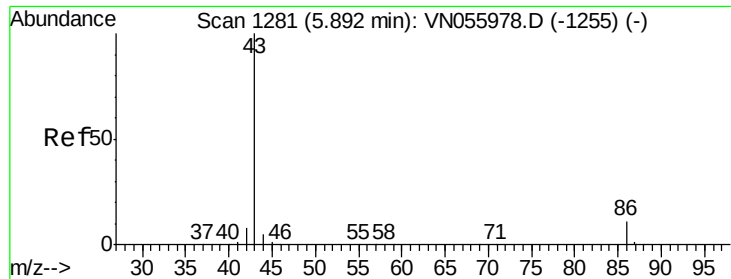
Lab File: VN056249.D

Acq: 12 Jun 2019 15:24

Tgt Ion: 45 Resp: 152548

Ion	Ratio	Lower	Upper
45	100		
43	56.3	45.0	67.6
87	29.1	22.2	33.4
59	11.5	9.1	13.7





#23

Vinyl Acetate

Concen: 102.660 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN056249.D

Acq: 12 Jun 2019 15:24

Instrument :

MSVOA_N

ClientSampleId :

VN0612WBS02

Tot Ion: 43 Resp: 601620

Ion Ratio Lower Upper

43 100

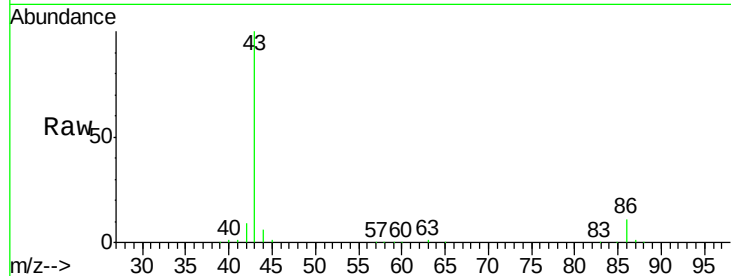
86 10.9 8.6 13.0

Manual Integrations

APPROVED

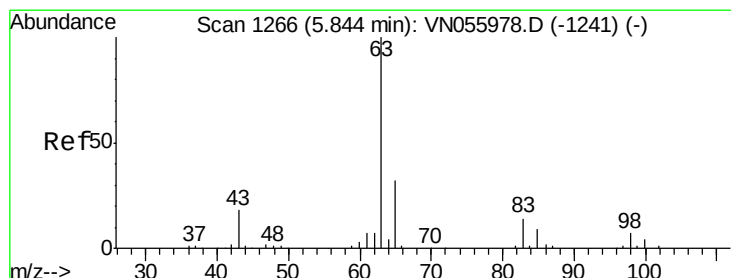
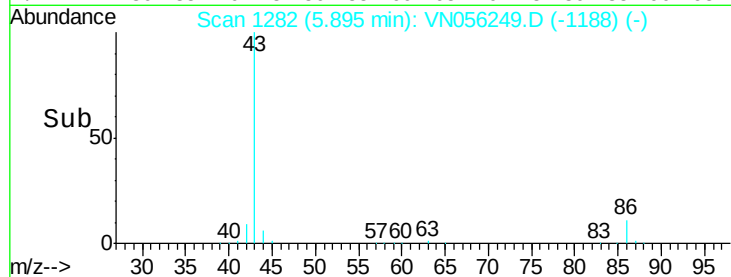
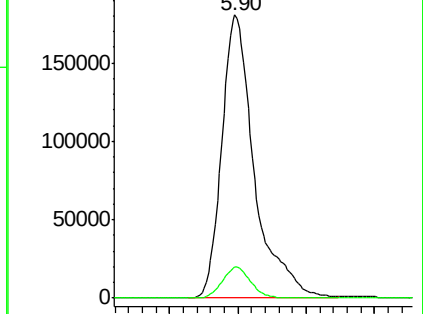
MMDadoda

6/13/2019 11:08:41 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 20.737 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VN056249.D

Acq: 12 Jun 2019 15:24

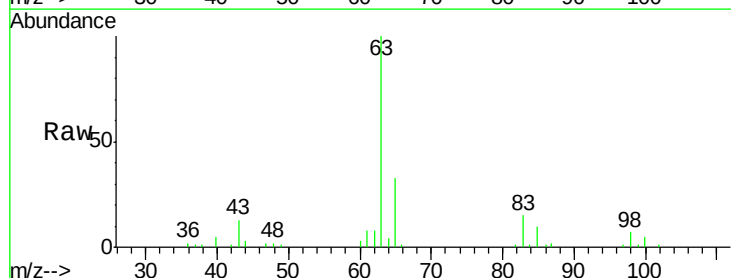
Tgt Ion: 63 Resp: 89017

Ion Ratio Lower Upper

63 100

98 6.8 3.4 10.1

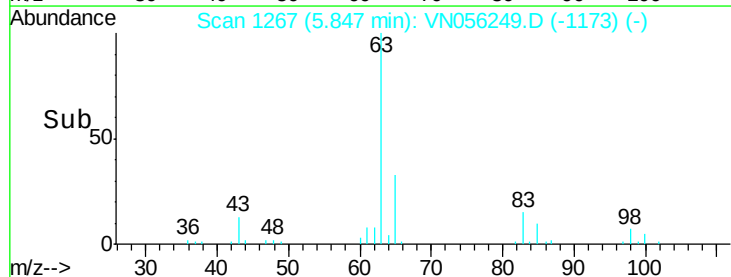
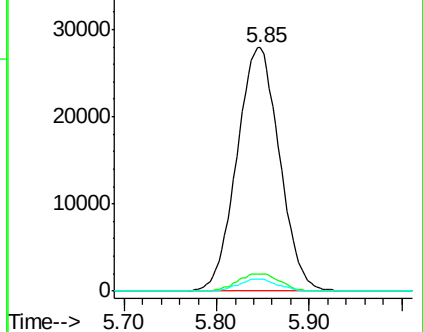
100 5.1 2.2 6.6

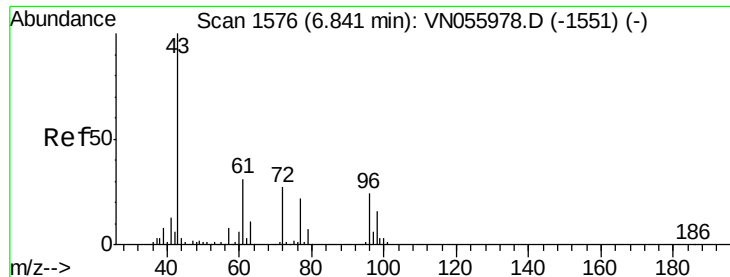


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





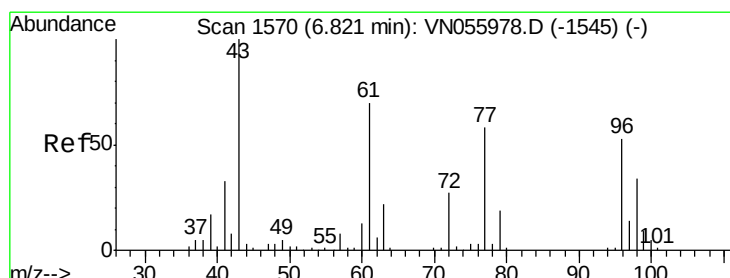
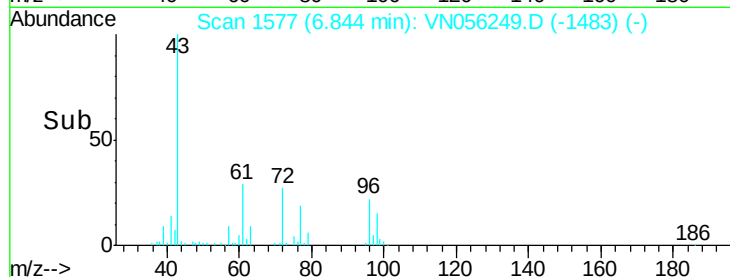
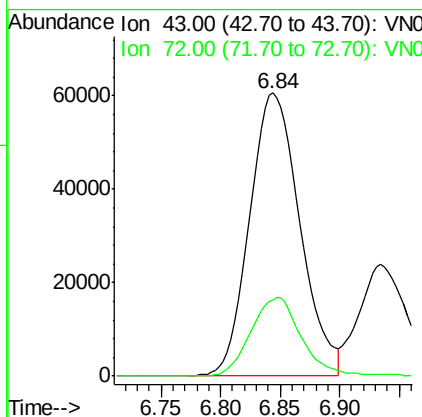
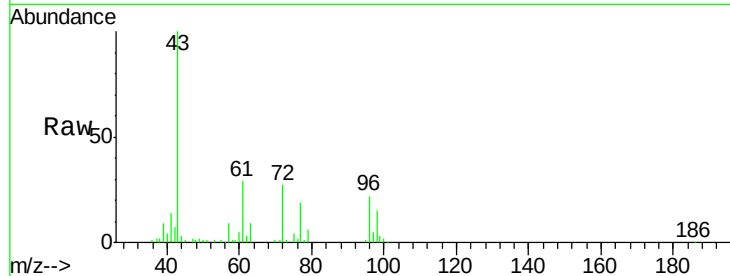
#25
2-Butanone
Concen: 109.126 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.00 min
Lab File: VN056249.D
Acq: 12 Jun 2019 15:24

Instrument :
MSVOA_N
ClientSampleId :
VN0612WBS02

Tot Ion: 43 Resp: 177814
Ion Ratio Lower Upper
43 100
72 27.1 21.9 32.9

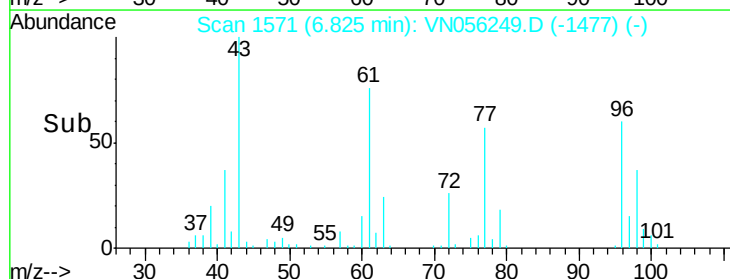
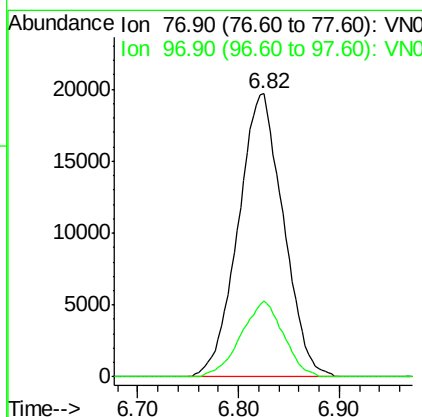
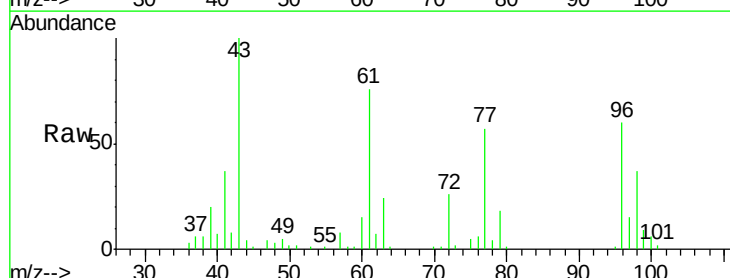
Manual Integrations
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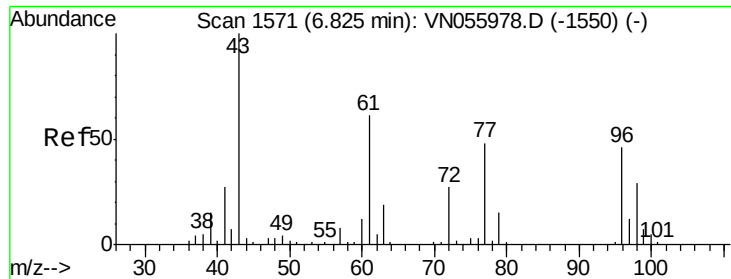
MMDadoda
6/13/2019 11:08:41 AM



#26
2,2-Dichloropropane
Concen: 18.271 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VN056249.D
Acq: 12 Jun 2019 15:24

Tgt Ion: 77 Resp: 61200
Ion Ratio Lower Upper
77 100
97 25.3 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 20.236 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN056249.D

Acq: 12 Jun 2019 15:24

Instrument :

MSVOA_N

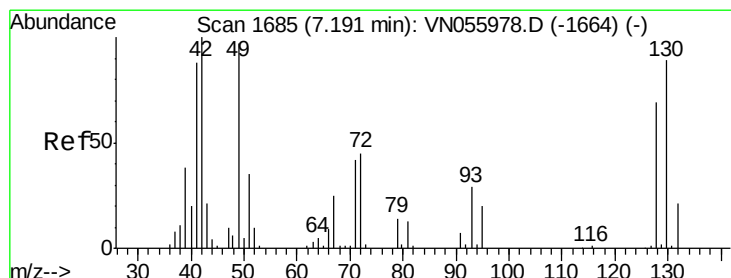
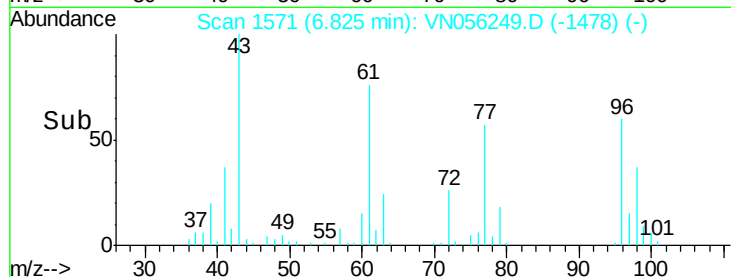
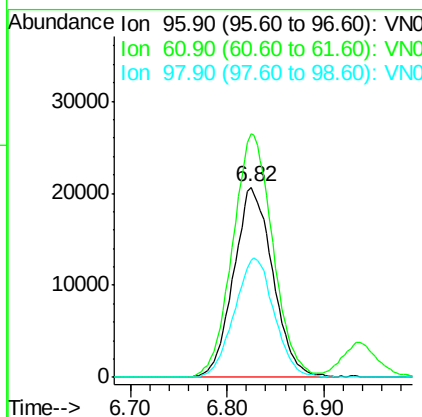
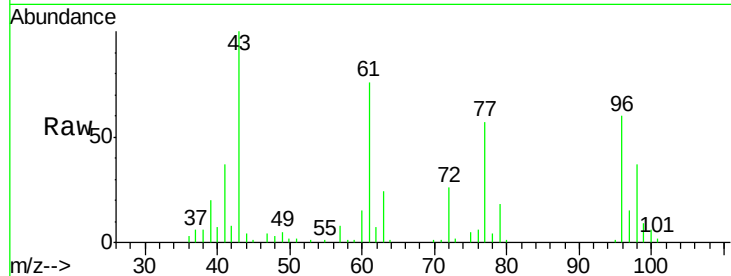
ClientSampleId :

VN0612WBS02

Tot Ion:	96	Resp:	58104
Ion	Ratio	Lower	Upper
96	100		
61	131.4	0.0	275.8
98	63.9	0.0	128.4

Manual Integrations
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#28

Bromochloromethane

Concen: 21.827 ug/l

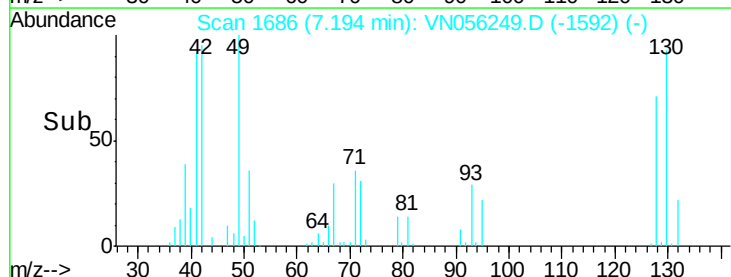
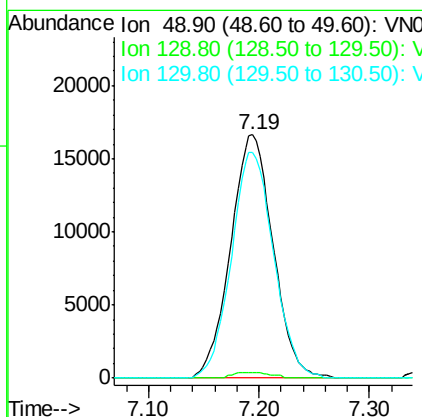
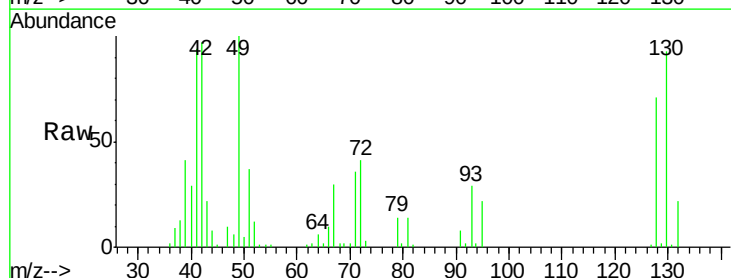
RT: 7.19 min Scan# 1686

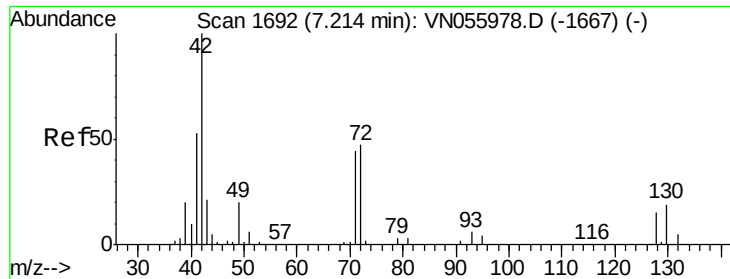
Delta R.T. 0.00 min

Lab File: VN056249.D

Acq: 12 Jun 2019 15:24

Tgt Ion:	49	Resp:	44309
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.4
130	92.5	71.2	106.8





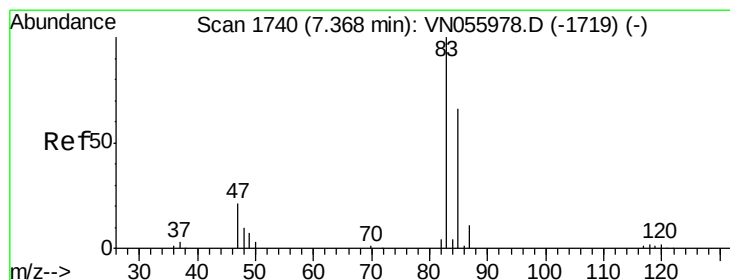
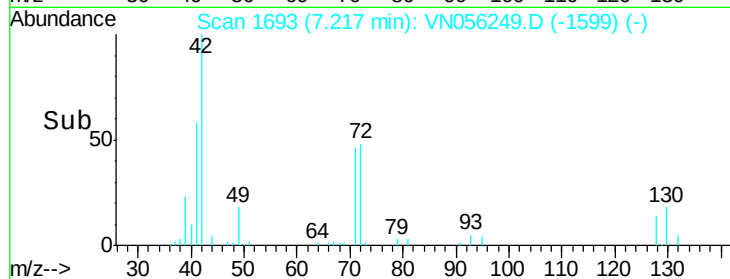
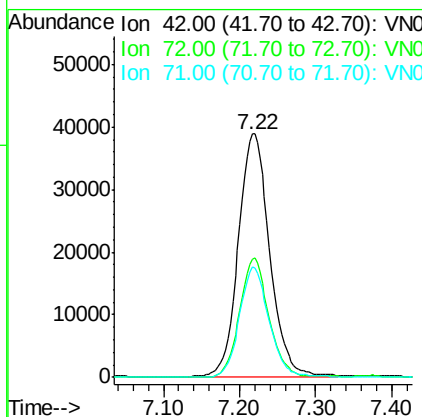
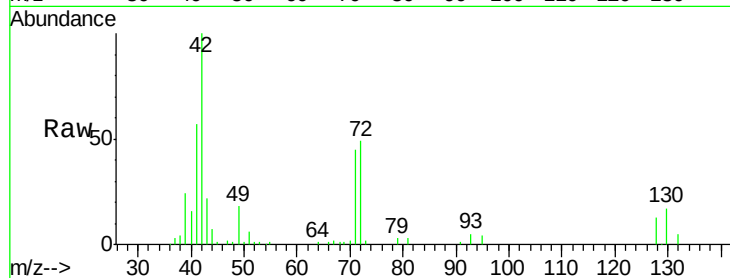
#29
Tetrahydrofuran
Concen: 111.542 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN056249.D
Acq: 12 Jun 2019 15:24

Instrument :
MSVOA_N
ClientSampleId :
VN0612WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.4	35.9	53.9
71	42.2	34.0	51.0

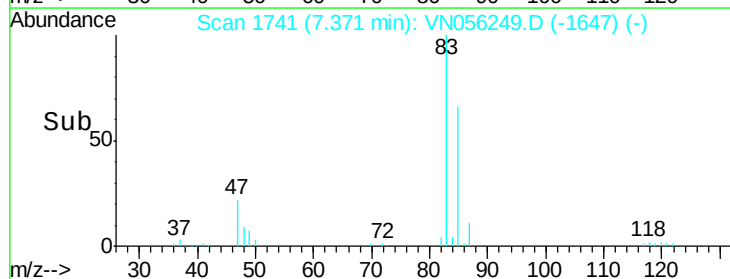
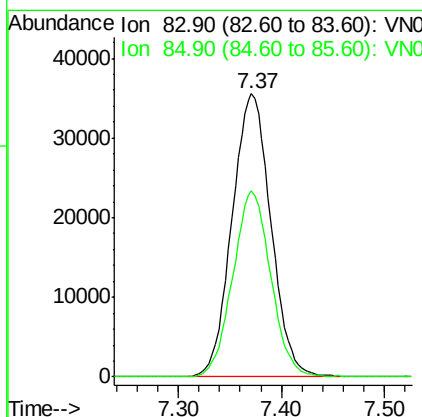
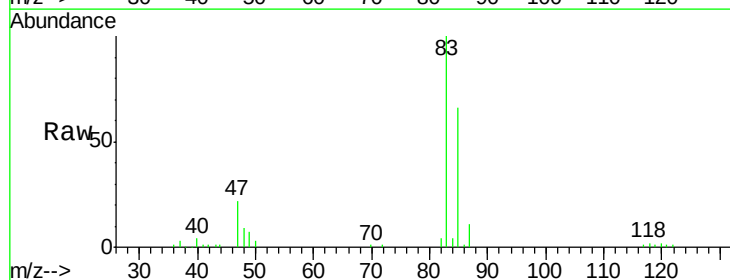
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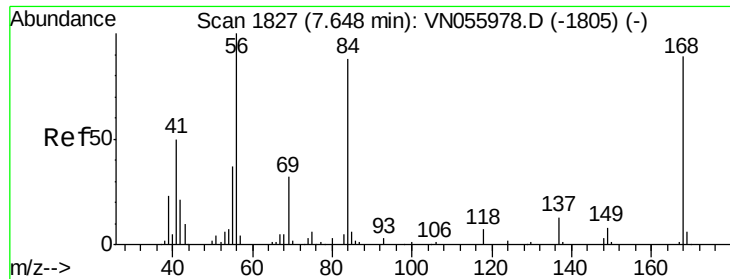
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#30
Chloroform
Concen: 21.531 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056249.D
Acq: 12 Jun 2019 15:24

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	51.8	77.8





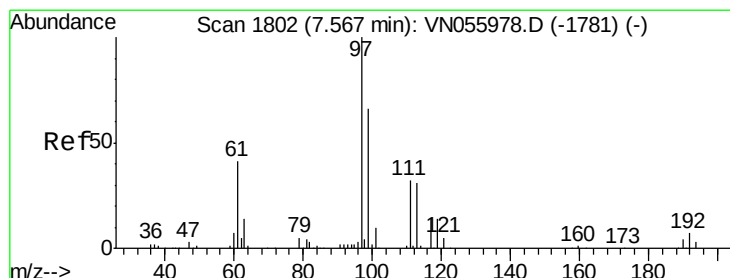
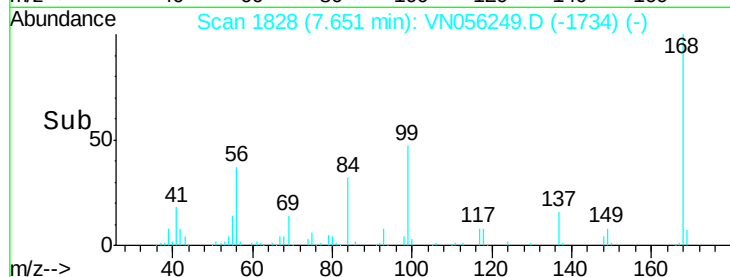
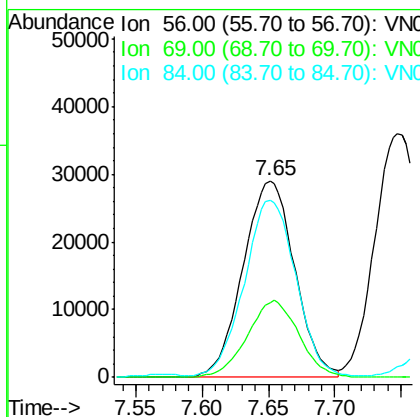
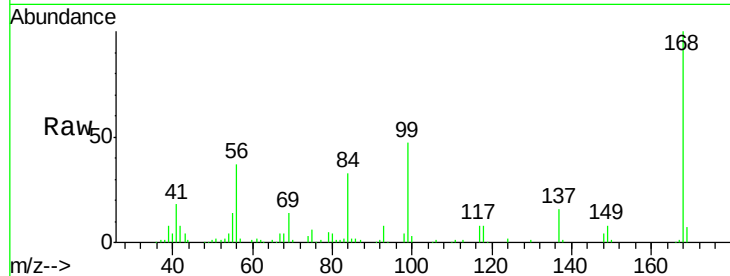
#31
Cyclohexane
Concen: 18.398 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN056249.D
Acq: 12 Jun 2019 15:24

Instrument :
MSVOA_N
ClientSampleId :
VN0612WBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.3	25.6	38.4
84	89.1	67.4	101.0

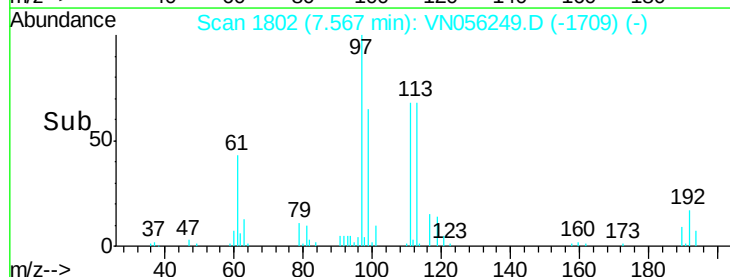
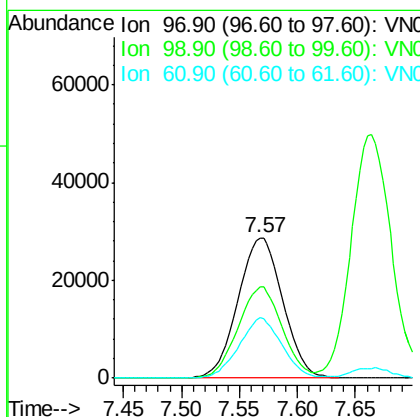
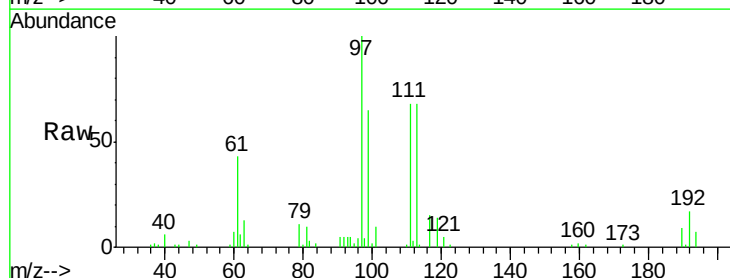
Manual Integrations
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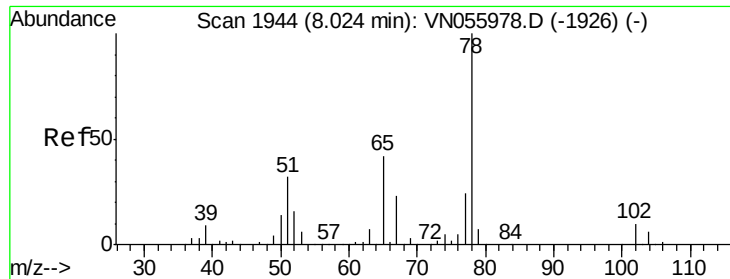
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#32
1,1,1-Trichloroethane
Concen: 21.341 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN056249.D
Acq: 12 Jun 2019 15:24

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	52.0	78.0
61	41.1	32.9	49.3





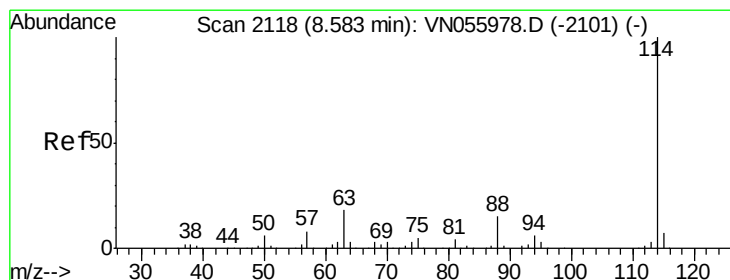
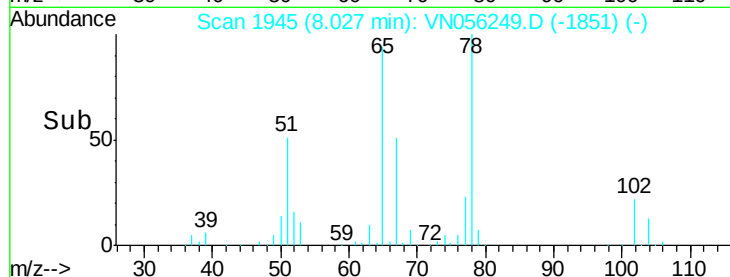
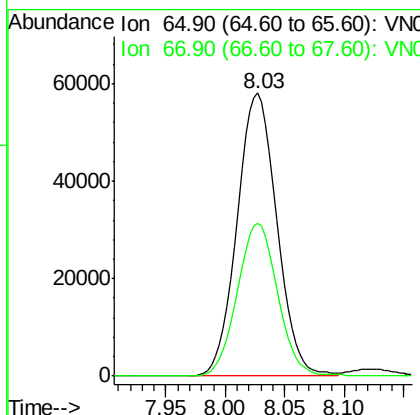
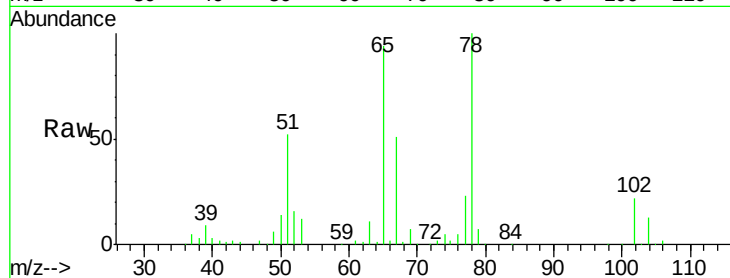
#33
 1,2-Dichloroethane-d4
 Concen: 49.953 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056249.D
 Acq: 12 Jun 2019 15:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0612WBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	134699		
67	54.7	0.0	109.2	

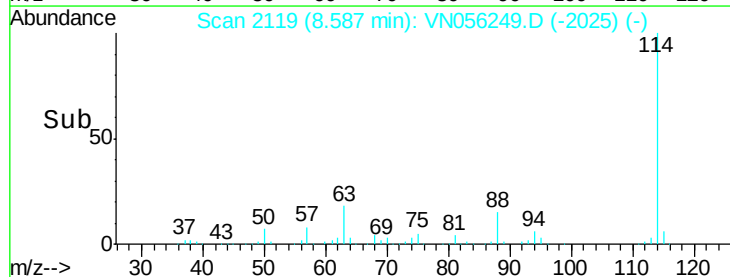
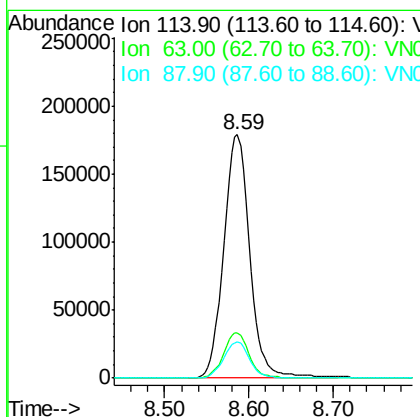
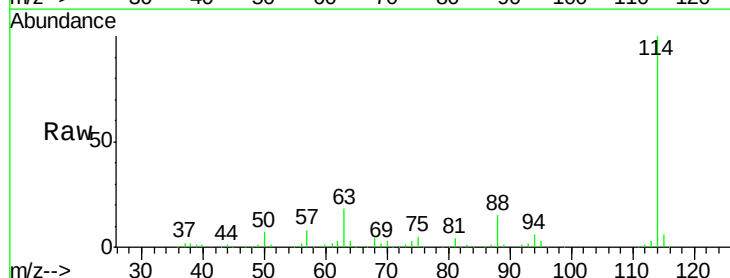
Manual Integrations
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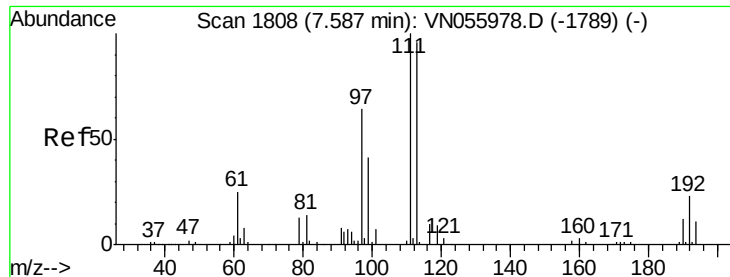
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056249.D
 Acq: 12 Jun 2019 15:24

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	383696		
63	18.5	0.0	39.2	
88	14.8	0.0	31.0	





#35

Dibromofluoromethane

Concen: 53.025 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN056249.D

Acq: 12 Jun 2019 15:24

Instrument :

MSVOA_N

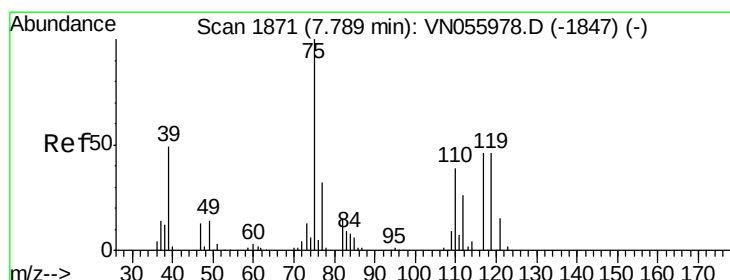
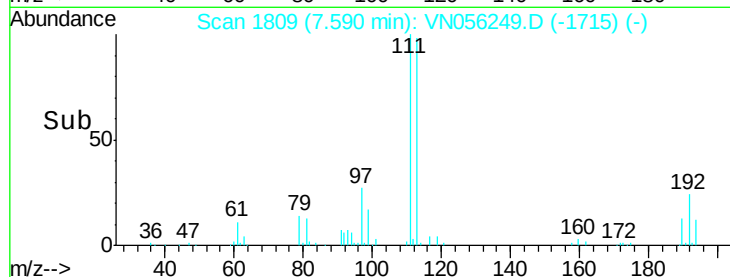
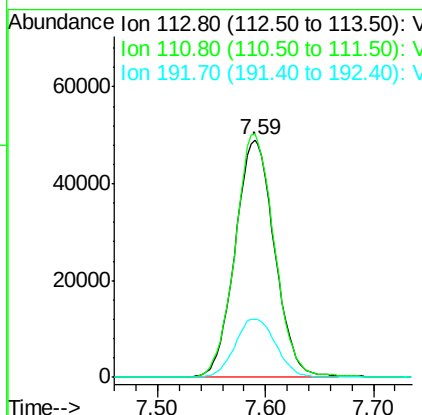
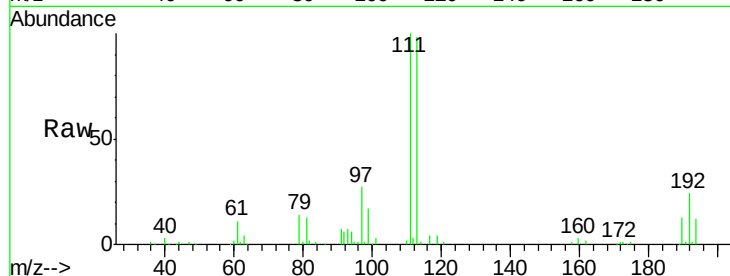
ClientSampleId :

VN0612WBS02

Tot Ion:	113	Resp:	124826
Ion	Ratio	Lower	Upper
113	100		
111	101.4	81.9	122.9
192	25.4	19.5	29.3

Manual Integrations
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6/13/2019 11:08:41 AM



#36

1,1-Dichloropropene

Concen: 19.674 ug/l

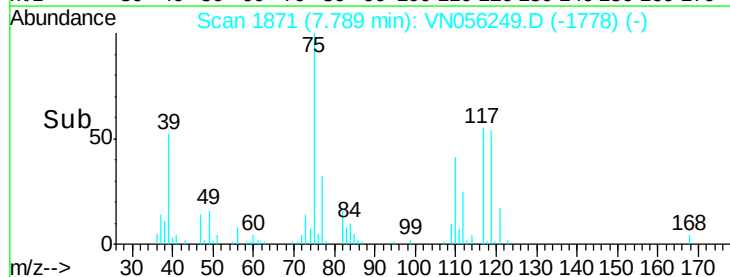
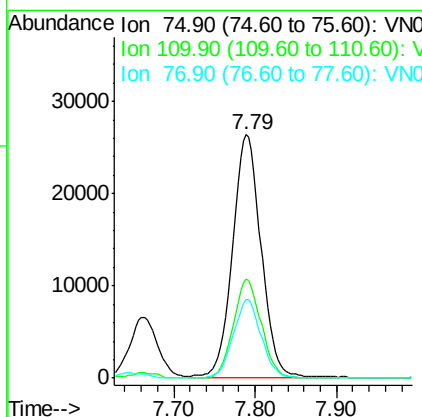
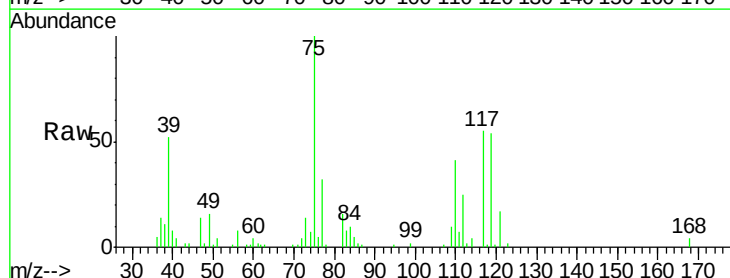
RT: 7.79 min Scan# 1871

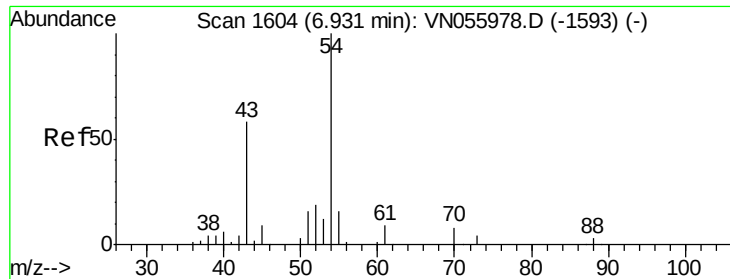
Delta R.T. 0.00 min

Lab File: VN056249.D

Acq: 12 Jun 2019 15:24

Tgt Ion:	75	Resp:	64910
Ion	Ratio	Lower	Upper
75	100		
110	39.1	19.0	57.0
77	31.5	25.1	37.7





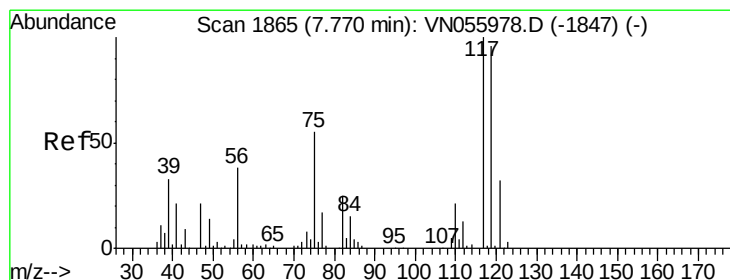
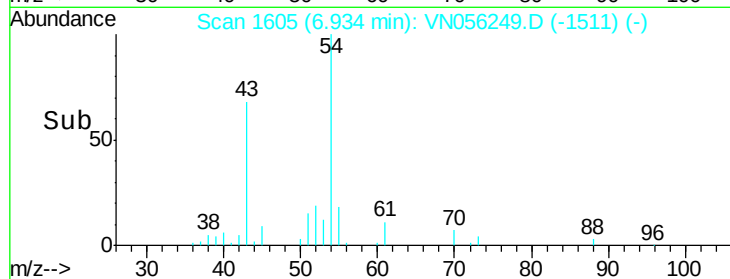
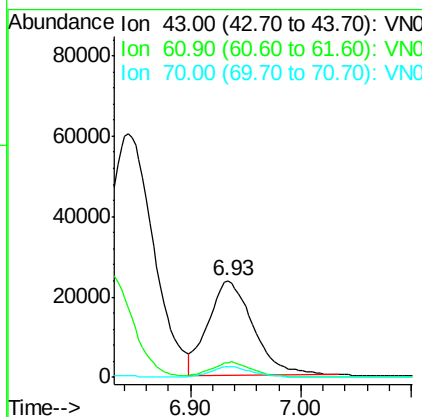
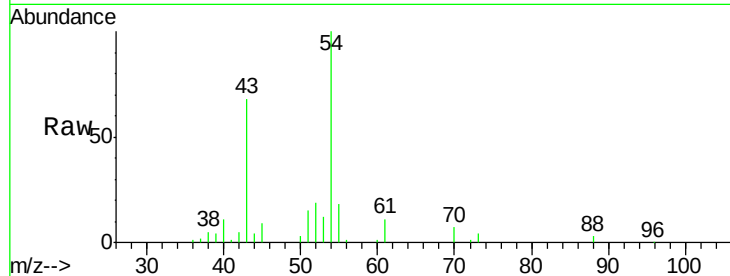
#37
Ethyl Acetate
Concen: 22.861 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN056249.D
Acq: 12 Jun 2019 15:24

Instrument :
MSVOA_N
ClientSampleId :
VN0612WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	12.2	18.2
70	10.7	8.9	13.3

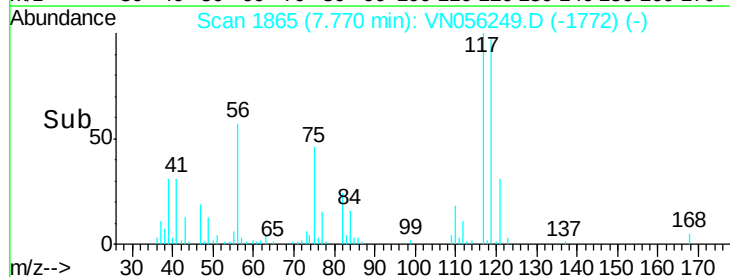
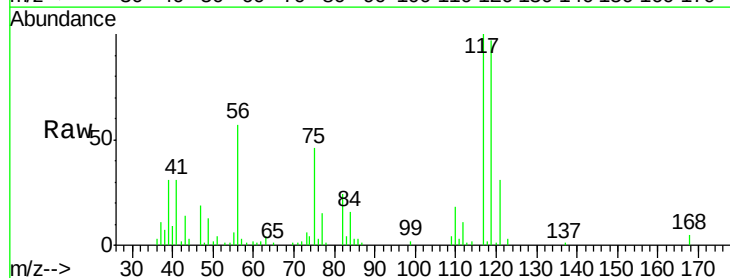
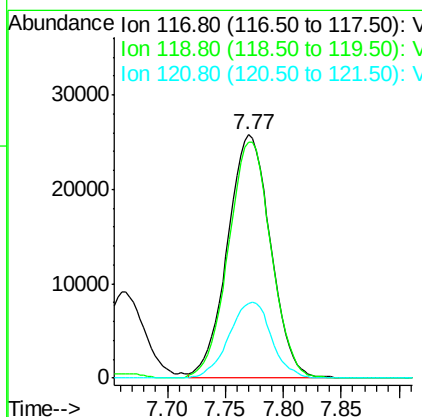
Manual Integrations
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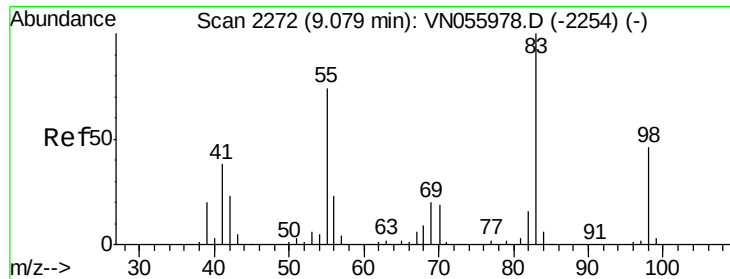
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6/13/2019 11:08:41 AM



#38
Carbon Tetrachloride
Concen: 21.932 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN056249.D
Acq: 12 Jun 2019 15:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.1	79.0	118.6
121	30.7	24.7	37.1





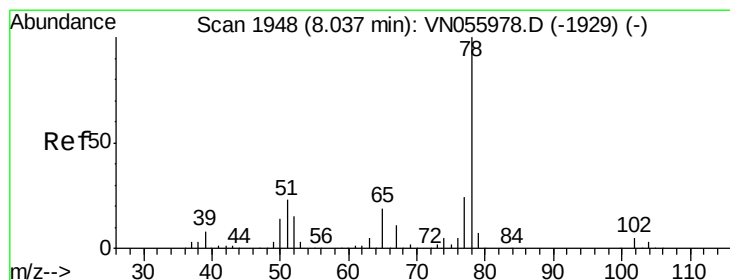
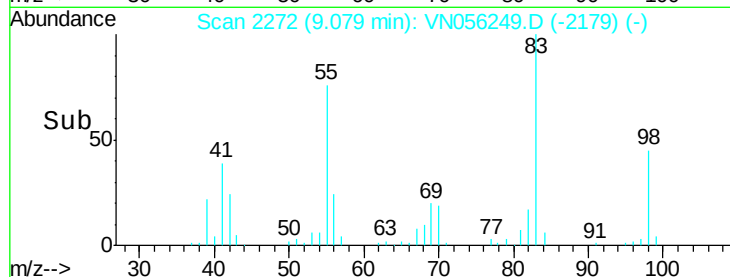
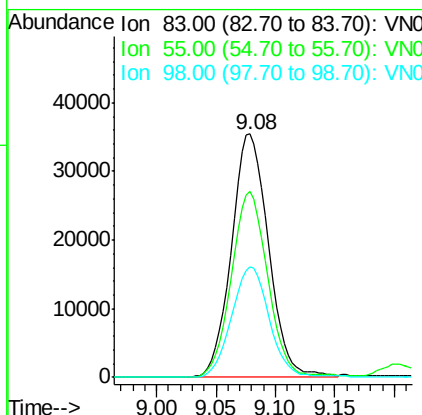
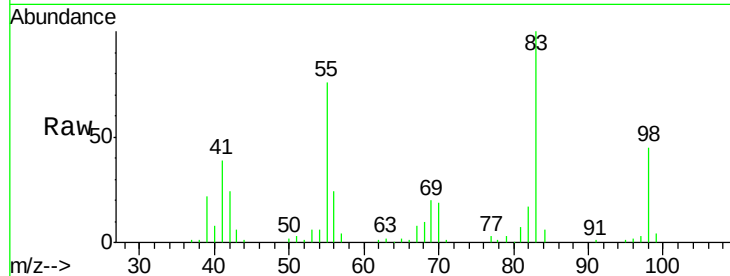
#39
Methylvlcyclohexane
Concen: 18.661 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056249.D
Acq: 12 Jun 2019 15:24

Instrument :
MSVOA_N
ClientSampleId :
VN0612WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.3	59.3	88.9
98	45.4	36.6	54.8

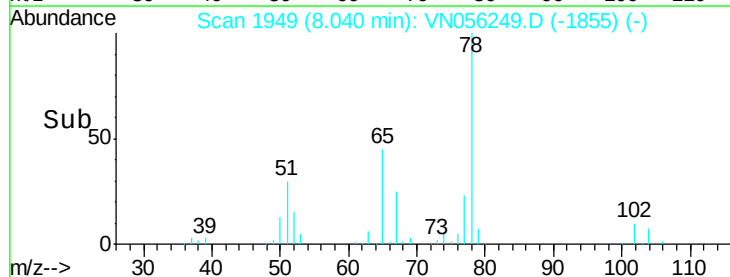
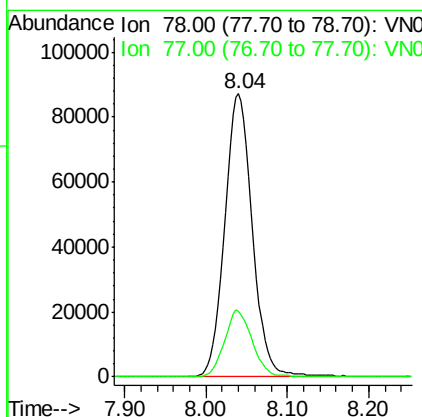
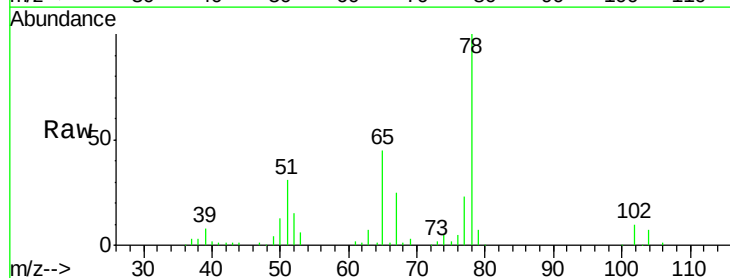
Manual Integrations
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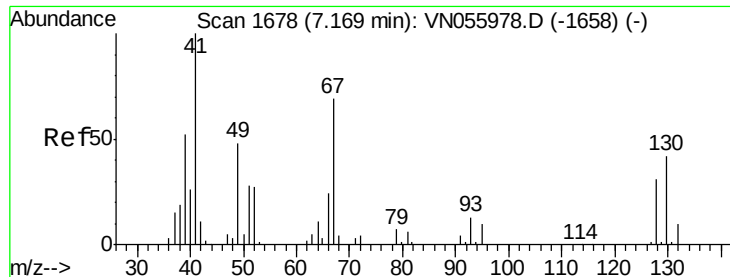
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#40
Benzene
Concen: 20.750 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056249.D
Acq: 12 Jun 2019 15:24

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.8	28.2





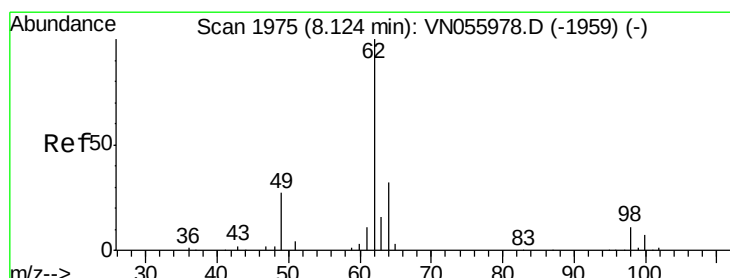
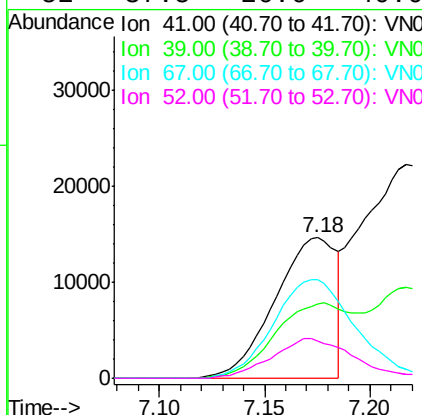
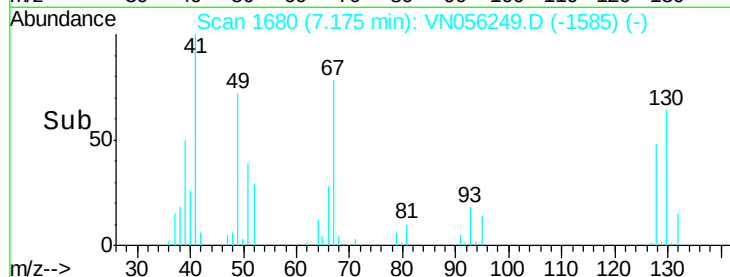
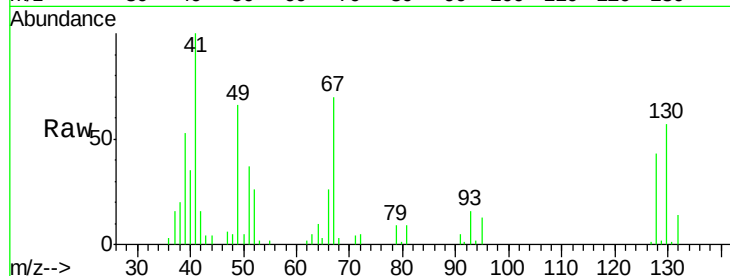
#41
Methacrylonitrile
Concen: 22.002 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.01 min
Lab File: VN056249.D
Acq: 12 Jun 2019 15:24

Instrument :
MSVOA_N
ClientSampleId :
VN0612WBS02

Tot Ion:	41	Resp:	29716
Ion Ratio	Lower	Upper	
41	100		
39	67.7	45.6	68.4
67	94.4	67.7	101.5
52	37.5	26.6	40.0

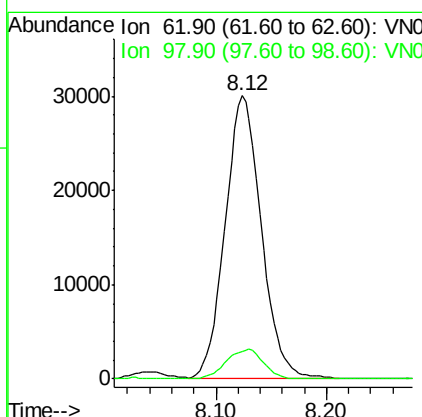
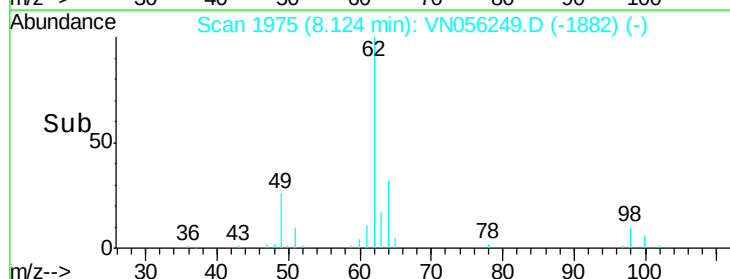
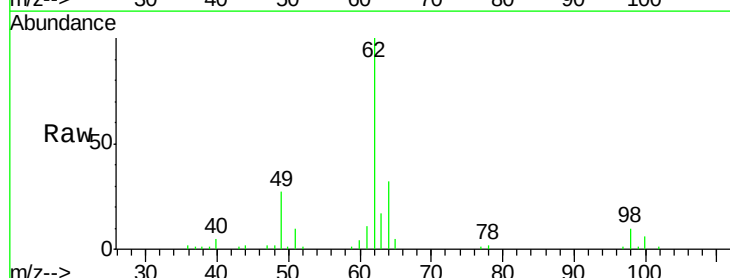
Manual Integrations
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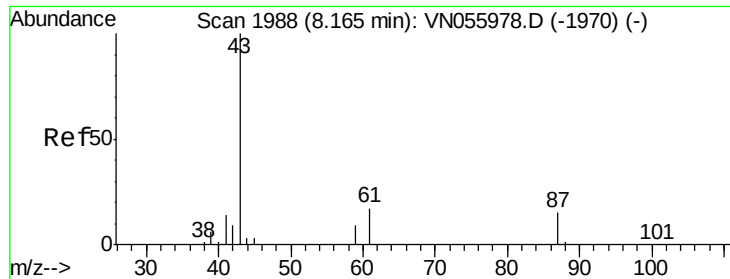
MMDadoda
6/13/2019 11:08:41 AM



#42
1,2-Dichloroethane
Concen: 21.231 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056249.D
Acq: 12 Jun 2019 15:24

Tgt Ion:	62	Resp:	68433
Ion Ratio	Lower	Upper	
62	100		
98	10.6	0.0	20.2





#43

Isopropyl Acetate

Concen: 20.670 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056249.D

Acq: 12 Jun 2019 15:24

Instrument :

MSVOA_N

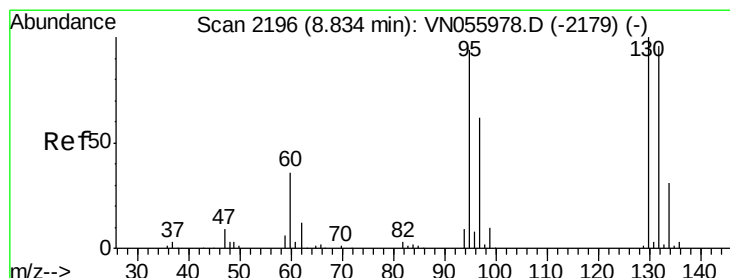
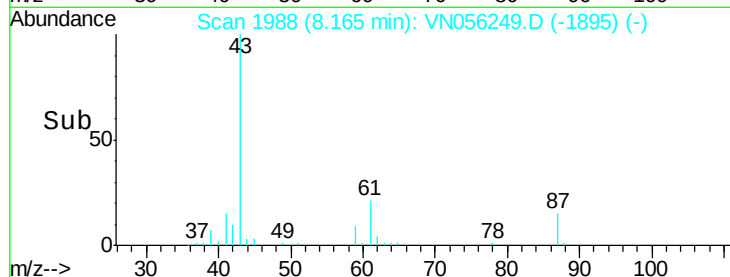
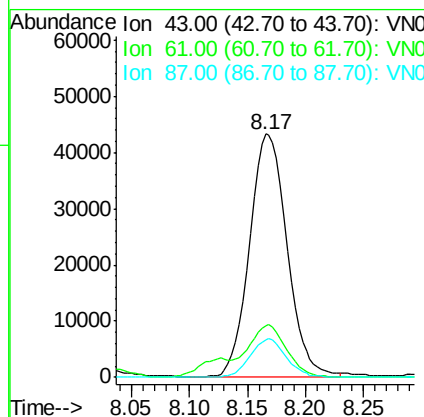
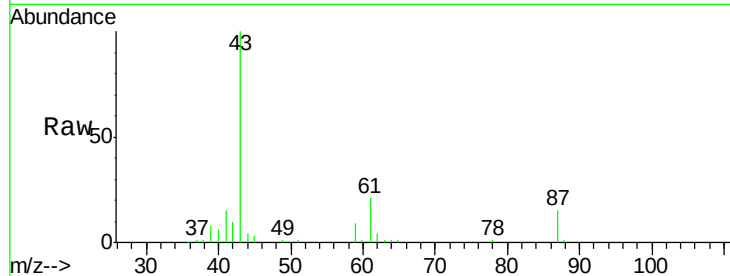
ClientSampleId :

VN0612WBS02

Tot Ion:	43	Resp:	98328
Ion	Ratio	Lower	Upper
43	100		
61	21.2	22.2	33.4#
87	15.0	11.4	17.2

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#44

Trichloroethene

Concen: 21.269 ug/l

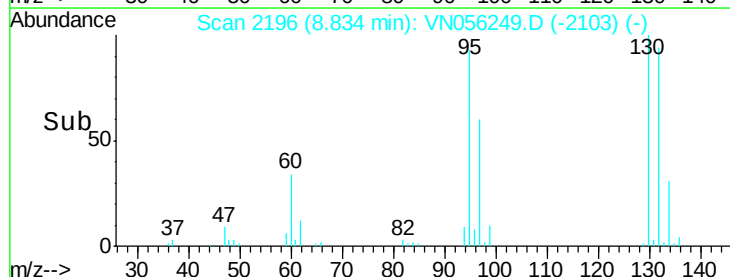
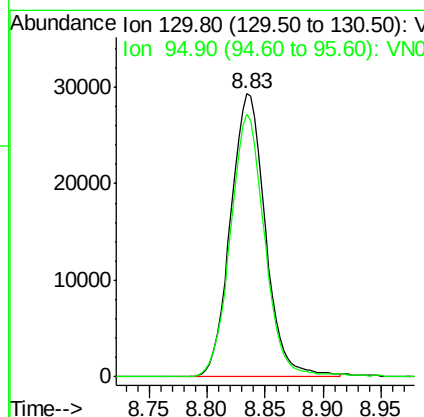
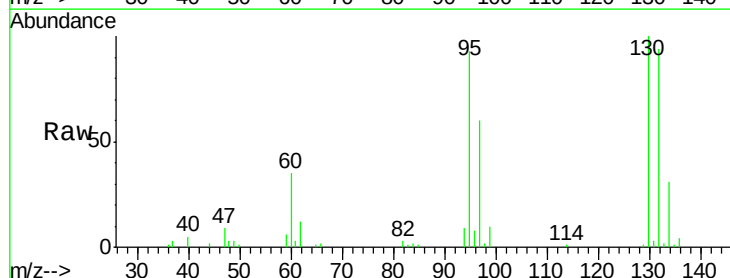
RT: 8.83 min Scan# 2196

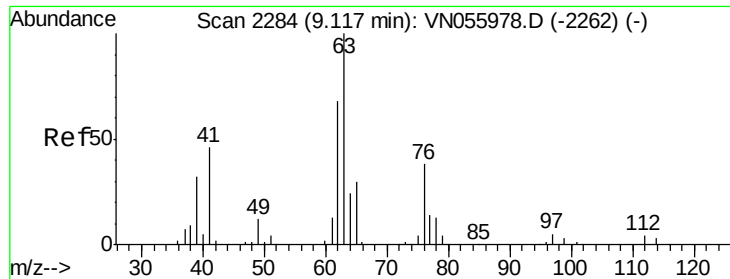
Delta R.T. 0.00 min

Lab File: VN056249.D

Acq: 12 Jun 2019 15:24

Tgt Ion:	130	Resp:	61243
Ion	Ratio	Lower	Upper
130	100		
95	93.1	0.0	188.0





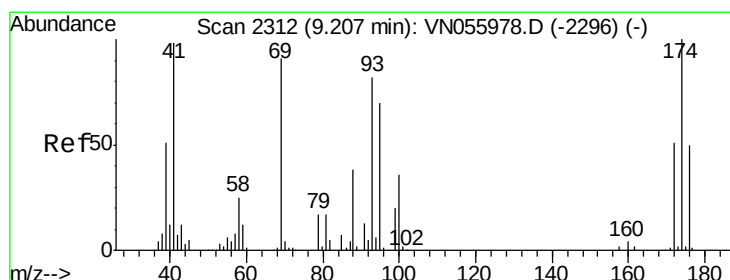
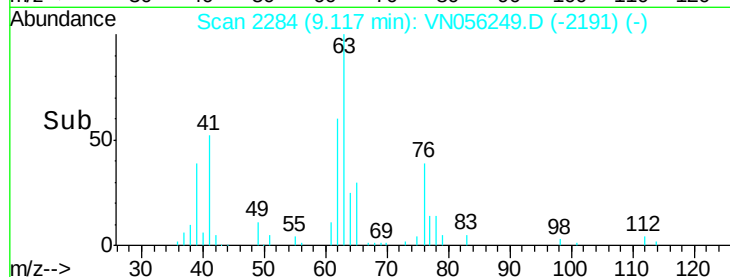
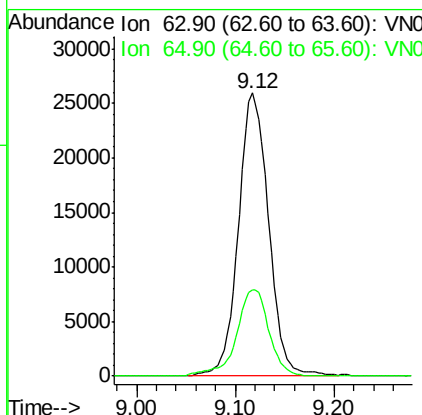
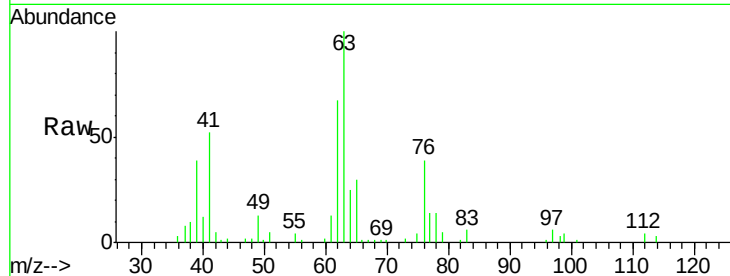
#45
 1,2-Dichloropropane
 Concen: 21.459 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN056249.D
 Acq: 12 Jun 2019 15:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0612WBS02

Tot Ion: 63 Resp: 55078
 Ion Ratio Lower Upper
 63 100
 65 30.3 24.6 36.8

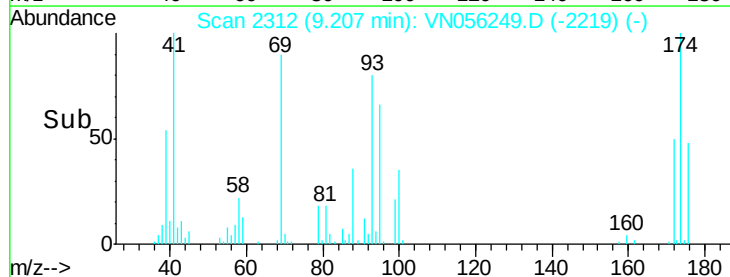
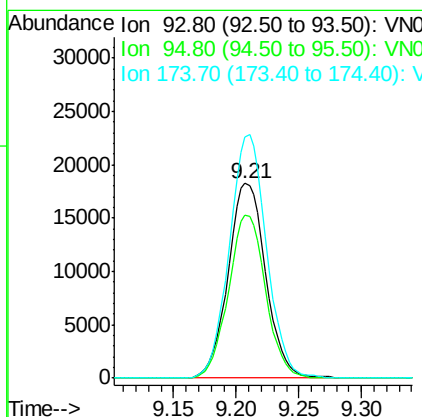
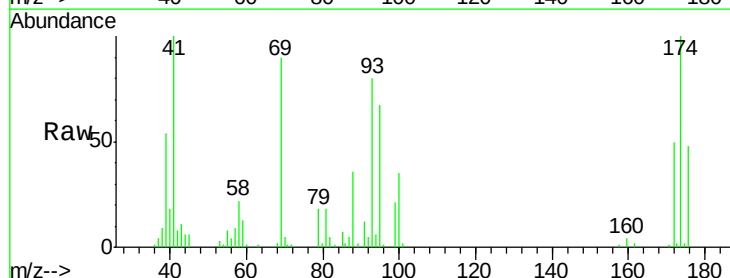
Manual Integrations
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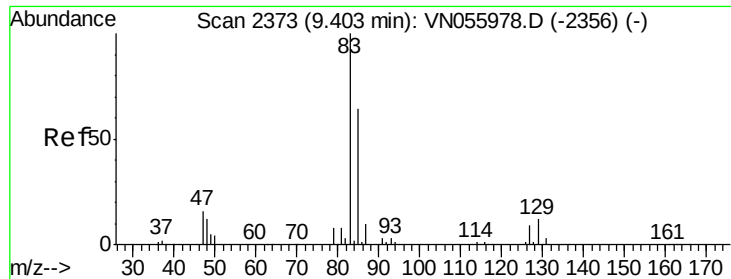
MMDadoda
 6/13/2019 11:08:41 AM



#46
 Dibromomethane
 Concen: 22.675 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN056249.D
 Acq: 12 Jun 2019 15:24

Tgt Ion: 93 Resp: 38058
 Ion Ratio Lower Upper
 93 100
 95 82.3 66.7 100.1
 174 123.3 96.4 144.6





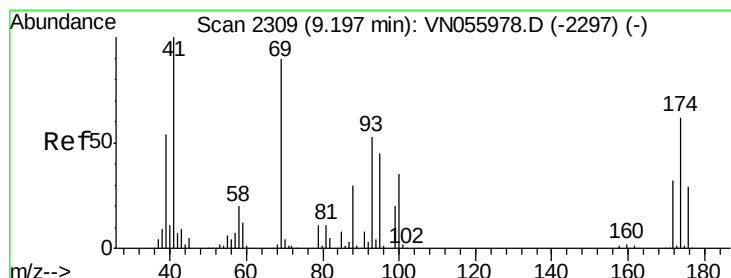
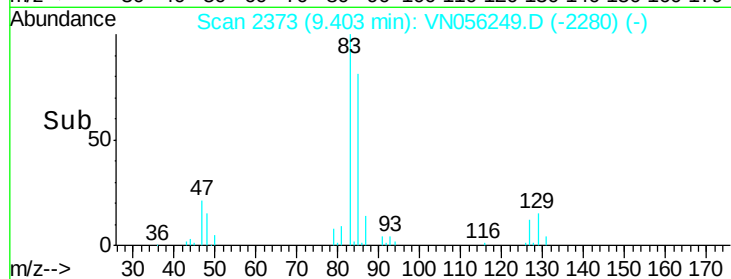
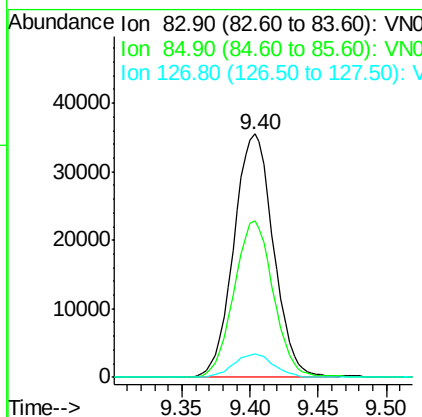
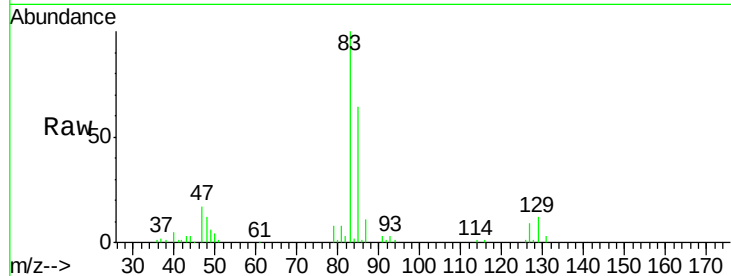
#47
Bromodichloromethane
Concen: 23.530 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN056249.D
Acq: 12 Jun 2019 15:24

Instrument :
MSVOA_N
ClientSampleId :
VN0612WBS02

Tot Ion	83	Resp	71577
Ion Ratio	100	Lower	Upper
83	100		
85	64.4	52.2	78.2
127	9.4	7.4	11.0

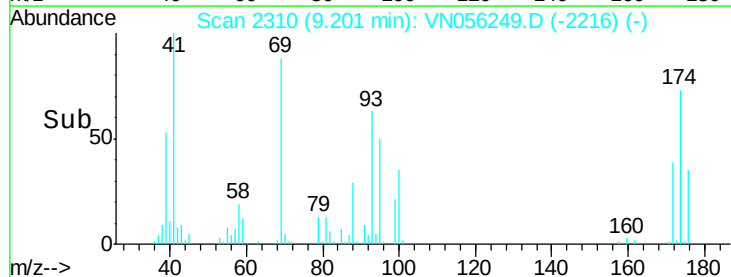
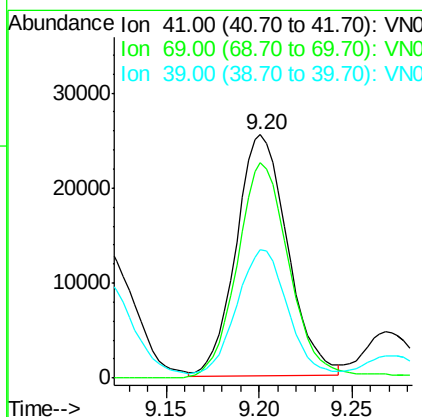
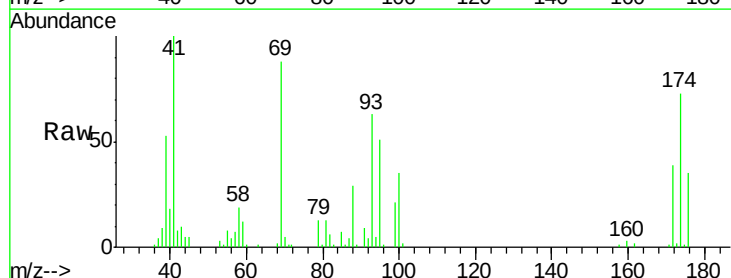
Manual Integrations
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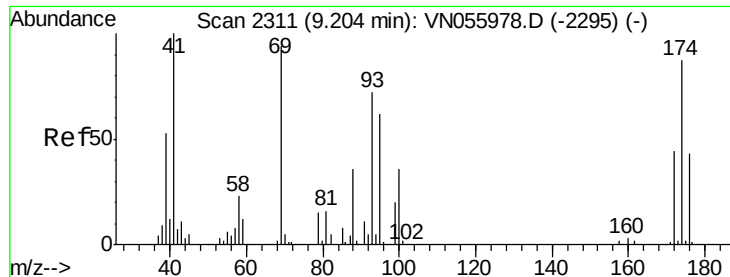
MMDadoda
6/13/2019 11:08:41 AM



#48
Methyl methacrylate
Concen: 21.130 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN056249.D
Acq: 12 Jun 2019 15:24

Tgt Ion	41	Resp	49174
Ion Ratio	100	Lower	Upper
41	100		
69	90.8	71.0	106.6
39	53.1	44.2	66.2





#49

1,4-Dioxane

Concen: 432.605 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN056249.D

Acq: 12 Jun 2019 15:24

Instrument :

MSVOA_N

ClientSampleId :

VN0612WBS02

Tot Ion: 88 Resp: 21735

Ion Ratio Lower Upper

88 100

43 28.2 20.5 30.7

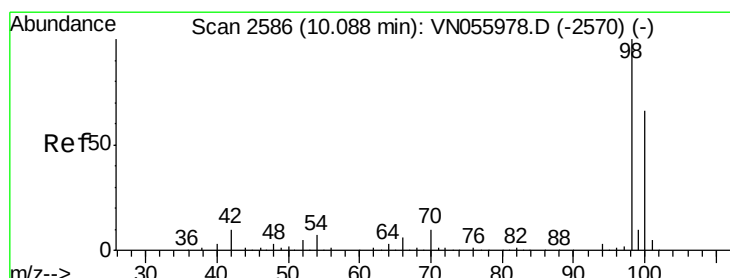
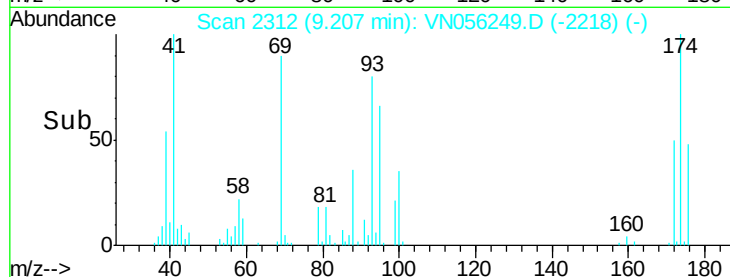
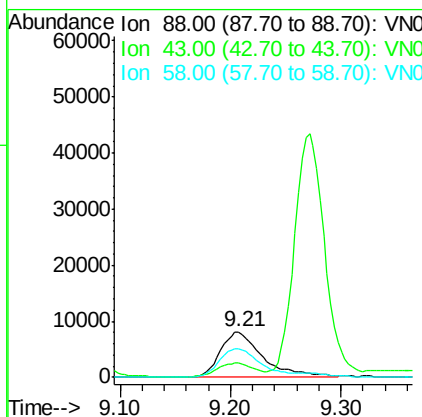
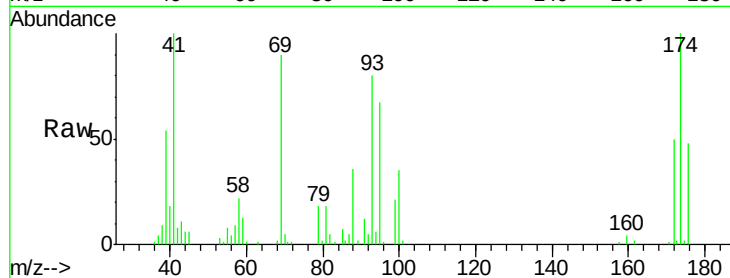
58 61.3 55.8 83.6

Manual Integrations

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#50

Toluene-d8

Concen: 49.348 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056249.D

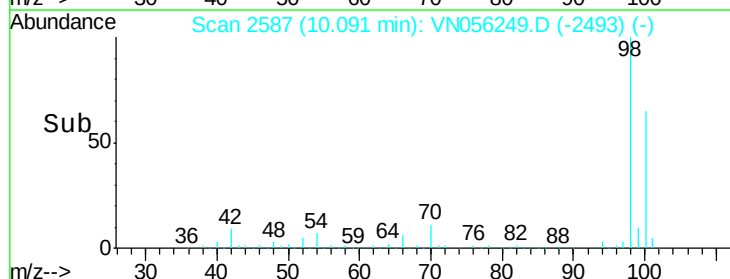
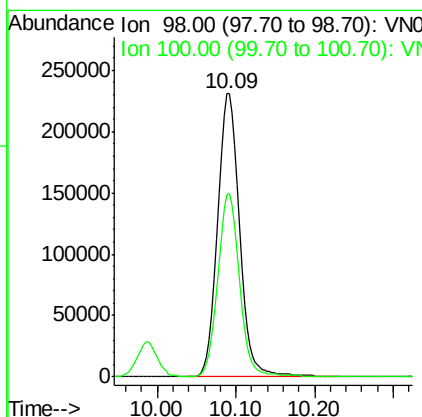
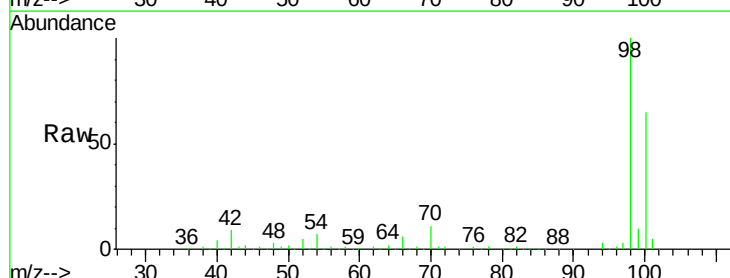
Acq: 12 Jun 2019 15:24

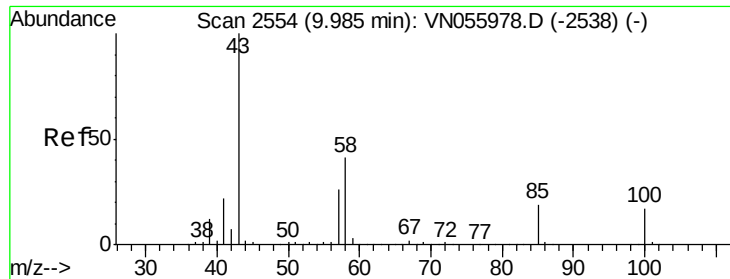
Tgt Ion: 98 Resp: 447022

Ion Ratio Lower Upper

98 100

100 63.2 51.9 77.9





#51

4-Methyl-2-Pentanone

Concen: 111.502 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056249.D

Acq: 12 Jun 2019 15:24

Instrument :

MSVOA_N

ClientSampleId :

VN0612WBS02

Tot Ion: 43 Resp: 331690

Ion Ratio Lower Upper

43 100

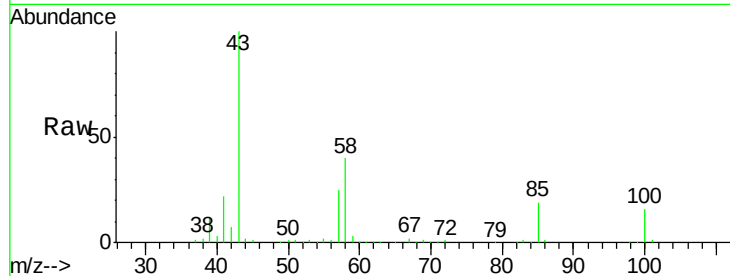
58 40.2 32.1 48.1

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

200000

150000

100000

50000

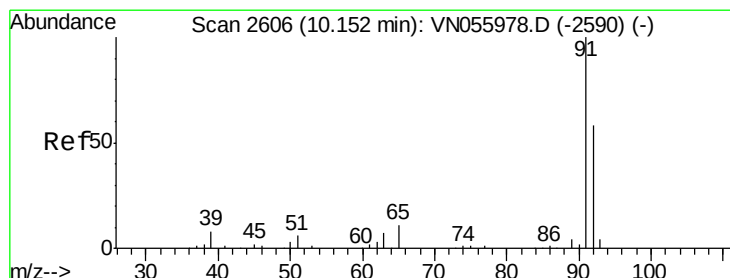
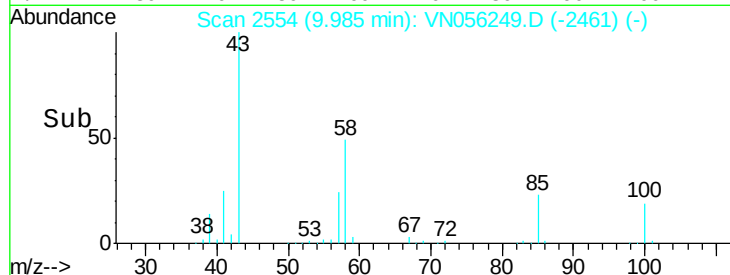
0

9.90

10.00

10.10

Time-->



#52

Toluene

Concen: 20.479 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056249.D

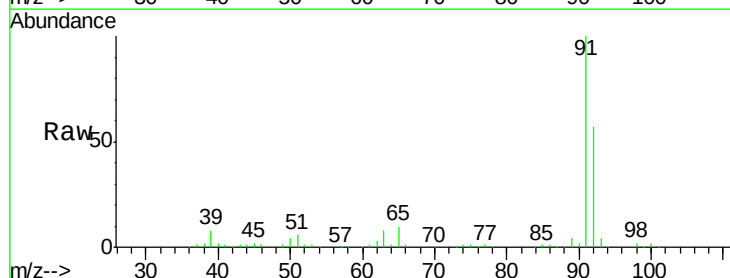
Acq: 12 Jun 2019 15:24

Tgt Ion: 92 Resp: 127693

Ion Ratio Lower Upper

92 100

91 175.6 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

100000

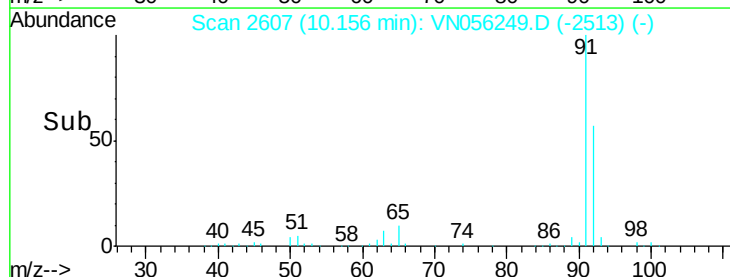
50000

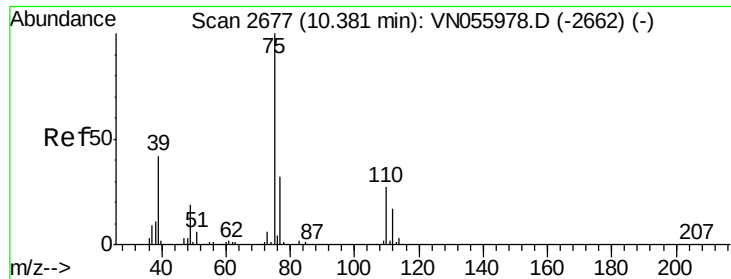
0

10.10

10.20

Time-->





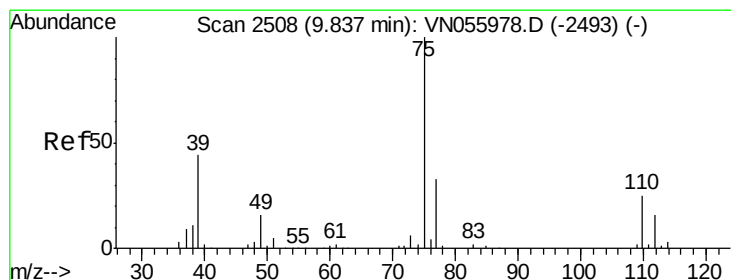
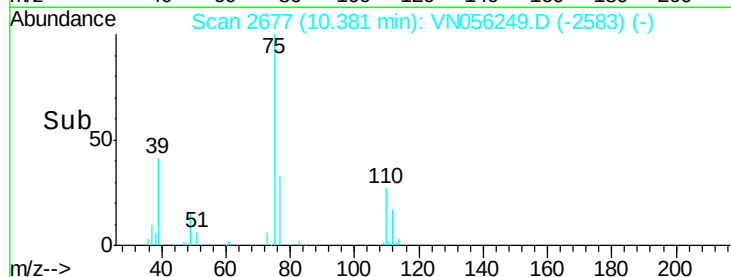
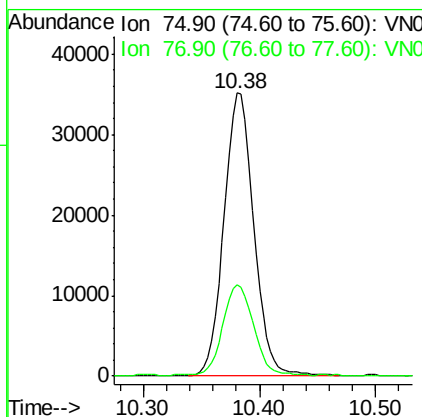
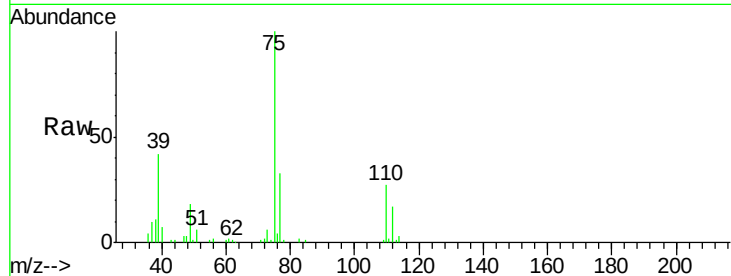
#53
t-1,3-Dichloropropene
Concen: 19.168 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN056249.D
Acq: 12 Jun 2019 15:24

Instrument :
MSVOA_N
ClientSampled :
VN0612WBS02

Tot Ion: 75 Resp: 62824
Ion Ratio Lower Upper
75 100
77 32.1 25.8 38.6

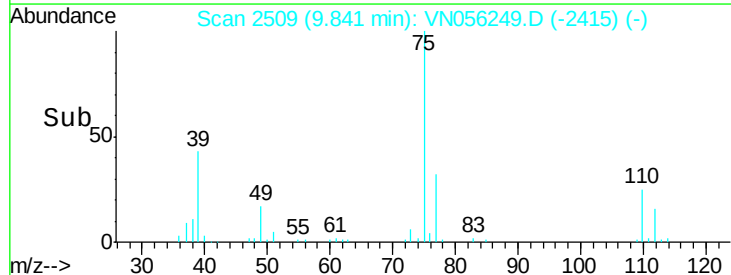
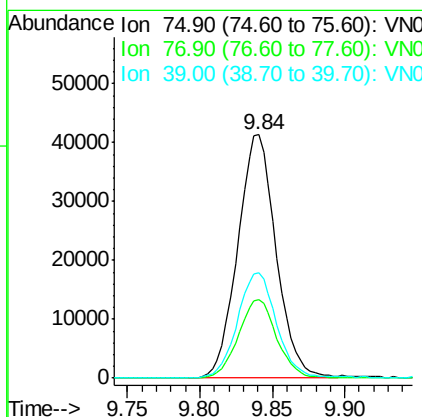
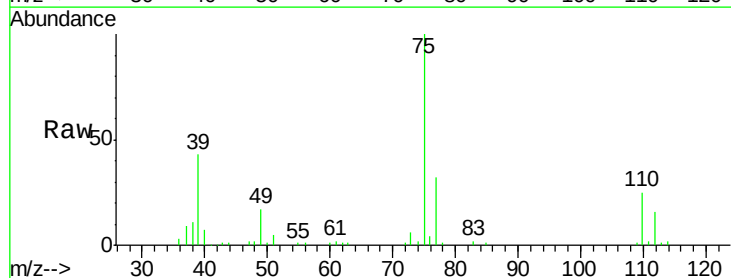
Manual Integrations
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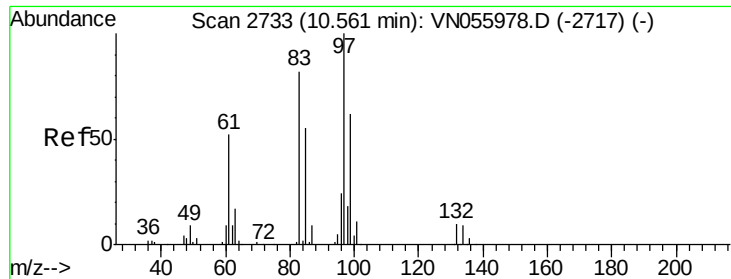
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#54
cis-1,3-Dichloropropene
Concen: 20.820 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN056249.D
Acq: 12 Jun 2019 15:24

Tgt Ion: 75 Resp: 76130
Ion Ratio Lower Upper
75 100
77 32.2 25.4 38.0
39 43.4 36.3 54.5





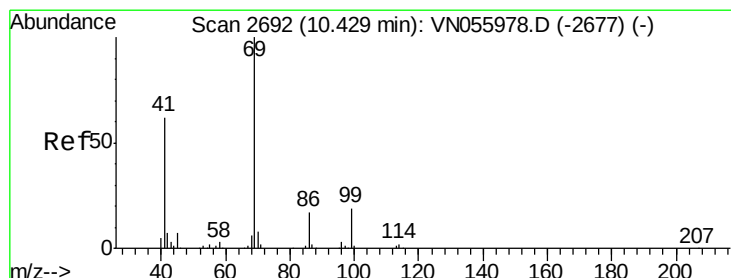
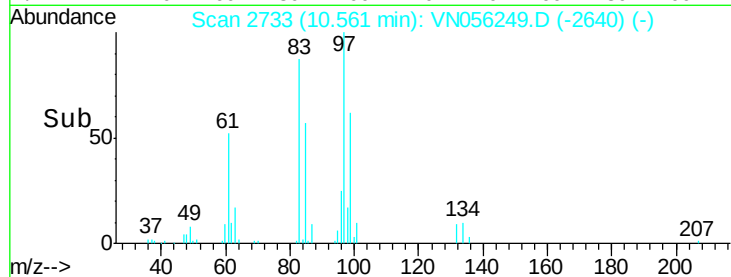
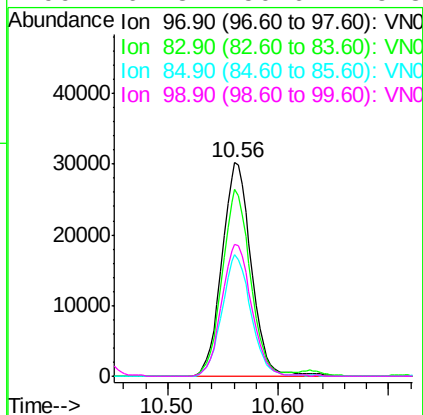
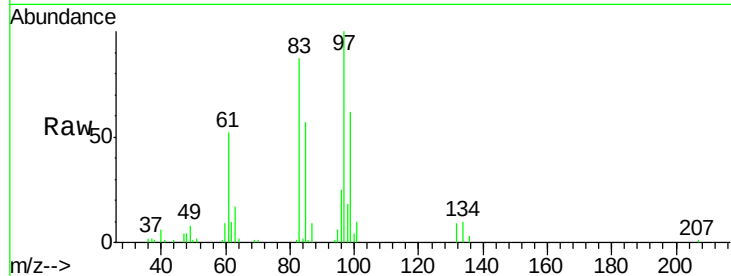
#55
 1,1,2-Trichloroethane
 Concen: 22.519 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN056249.D
 Acq: 12 Jun 2019 15:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0612WBS02

Tot Ion:	97	Resp:	55621
Ion	Ratio	Lower	Upper
97	100		
83	87.3	67.0	100.6
85	56.8	44.0	66.0
99	61.8	50.6	75.8

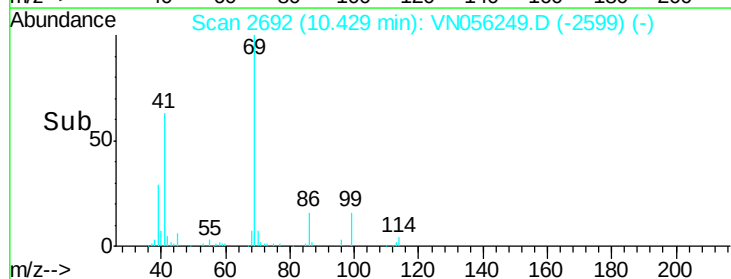
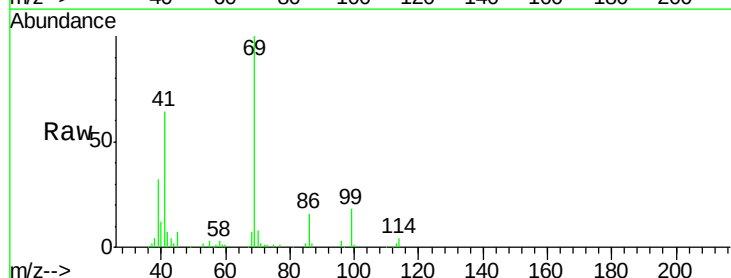
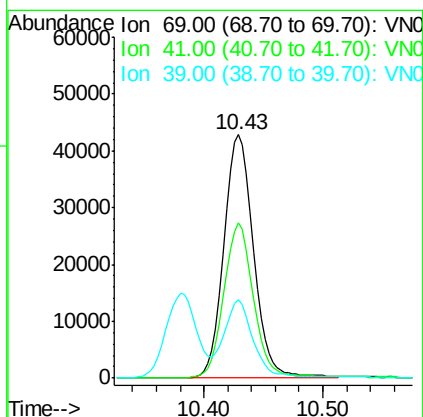
Manual Integrations
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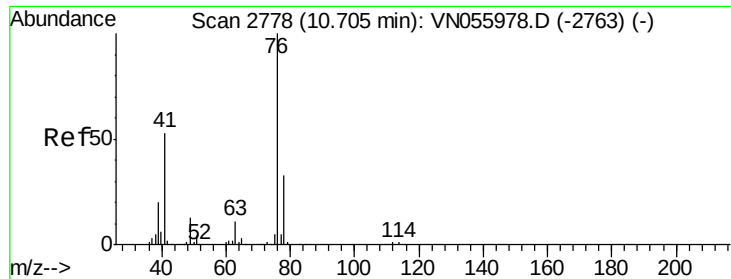
MMDadoda
 6/13/2019 11:08:41 AM



#56
 Ethyl methacrylate
 Concen: 20.610 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN056249.D
 Acq: 12 Jun 2019 15:24

Tgt Ion:	69	Resp:	74267
Ion	Ratio	Lower	Upper
69	100		
41	63.0	49.7	74.5
39	29.9	24.7	37.1





#57

1,3-Dichloropropane

Concen: 21.722 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN056249.D

Acq: 12 Jun 2019 15:24

Instrument :

MSVOA_N

ClientSampled :

VN0612WBS02

Tot Ion: 76 Resp: 87217

Ion Ratio Lower Upper

76 100

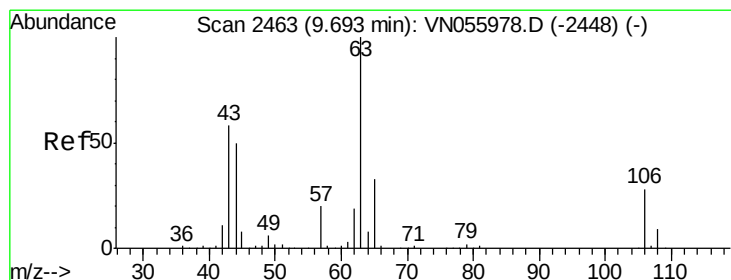
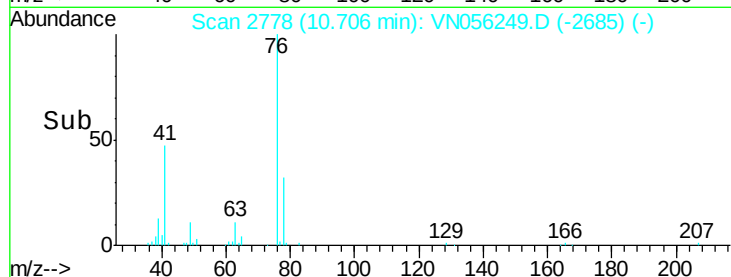
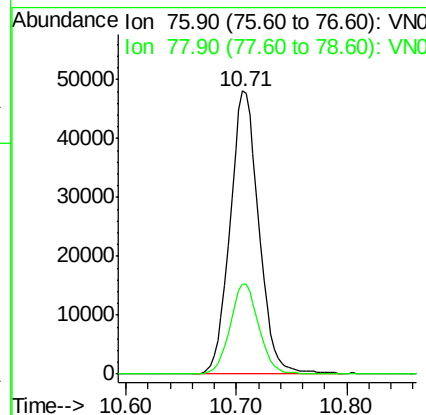
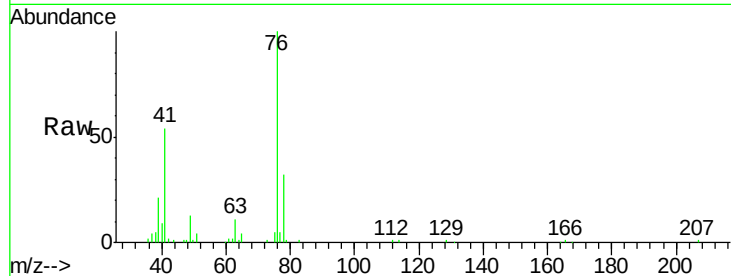
78 31.7 25.8 38.6

Manual Integrations

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MMDadoda

6/13/2019 11:08:41 AM



#58

2-Chloroethyl Vinyl ether

Concen: 94.600 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN056249.D

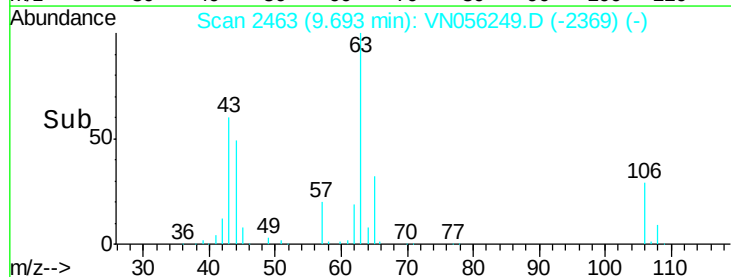
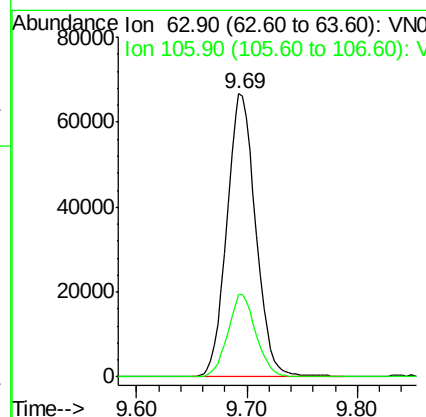
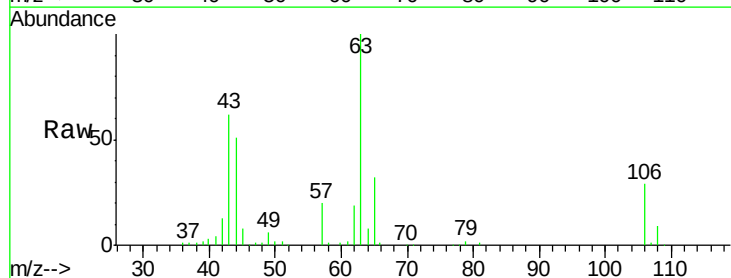
Acq: 12 Jun 2019 15:24

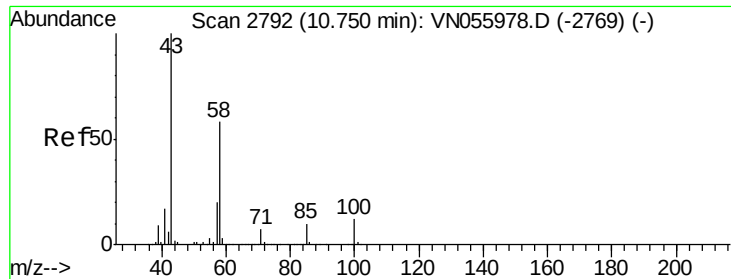
Tgt Ion: 63 Resp: 121108

Ion Ratio Lower Upper

63 100

106 28.3 22.7 34.1





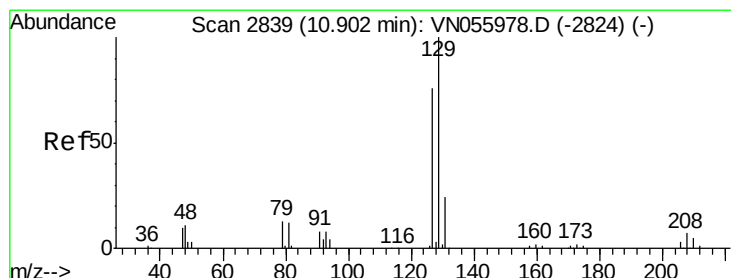
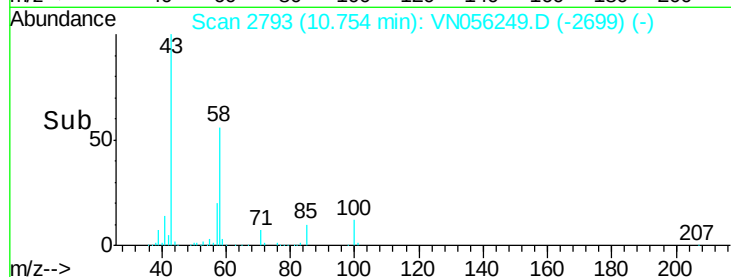
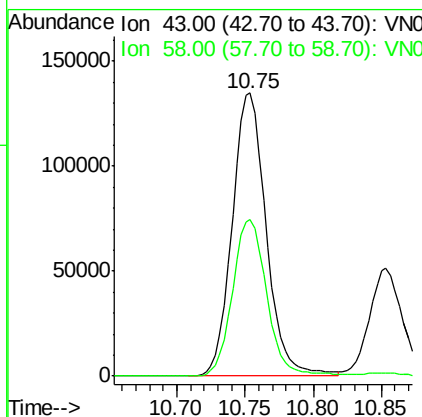
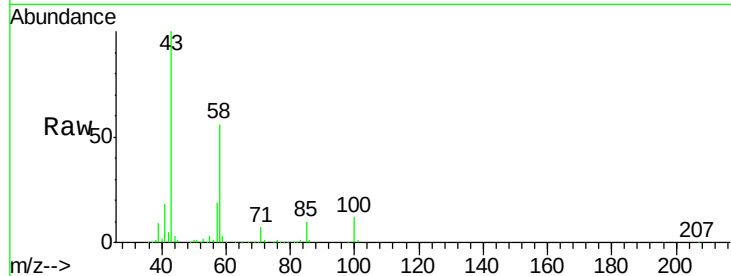
#59
2-Hexanone
Concen: 108.506 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN056249.D
Acq: 12 Jun 2019 15:24

Instrument :
MSVOA_N
ClientSampled :
VN0612WBS02

Tot Ion: 43 Resp: 233942
Ion Ratio Lower Upper
43 100
58 55.8 28.2 84.7

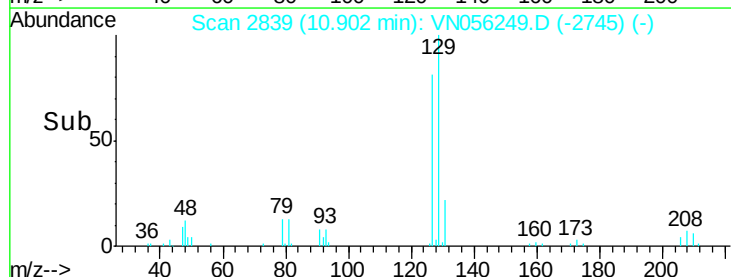
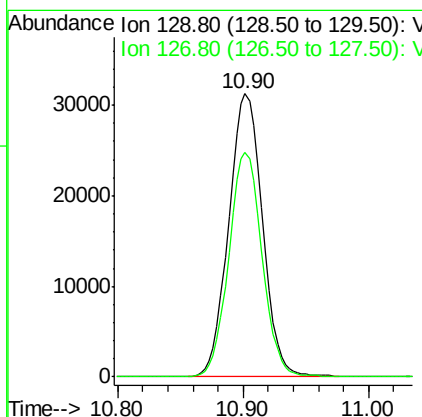
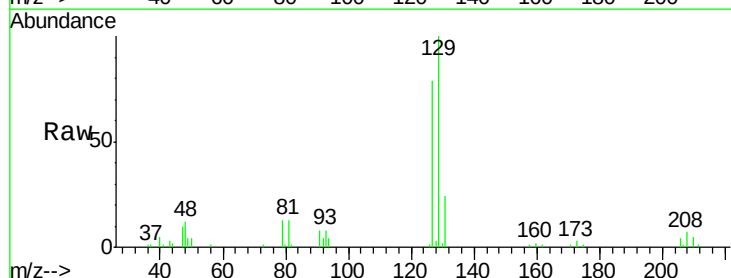
Manual Integrations
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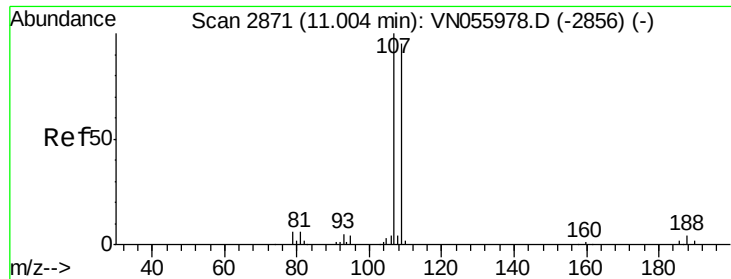
MMDadoda
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#60
Dibromochloromethane
Concen: 22.946 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056249.D
Acq: 12 Jun 2019 15:24

Tgt Ion: 129 Resp: 58706
Ion Ratio Lower Upper
129 100
127 77.7 38.1 114.3





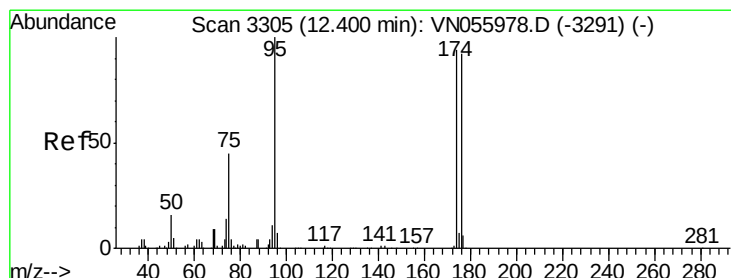
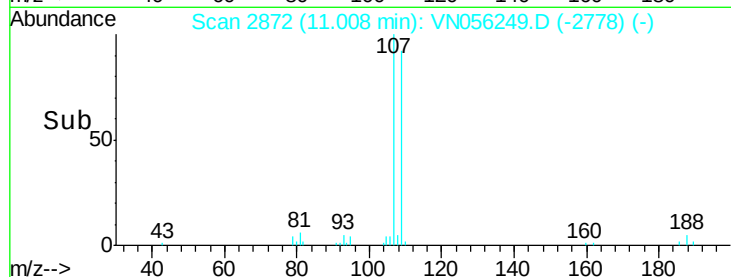
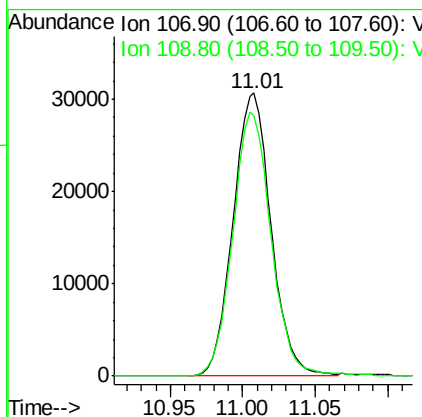
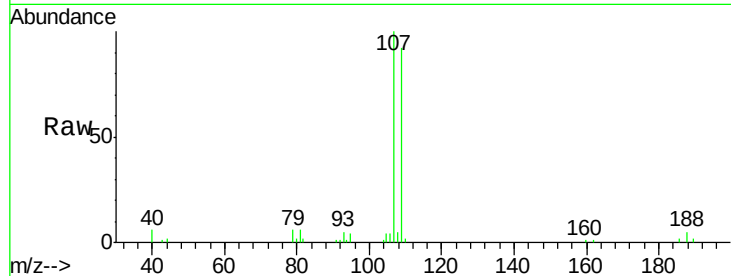
#61
 1,2-Dibromoethane
 Concen: 22.155 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN056249.D
 Acq: 12 Jun 2019 15:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0612WBS02

Tot Ion: 107 Resp: 55941
 Ion Ratio Lower Upper
 107 100
 109 93.3 74.8 112.2

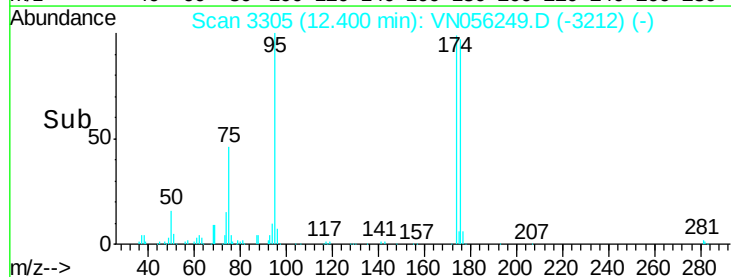
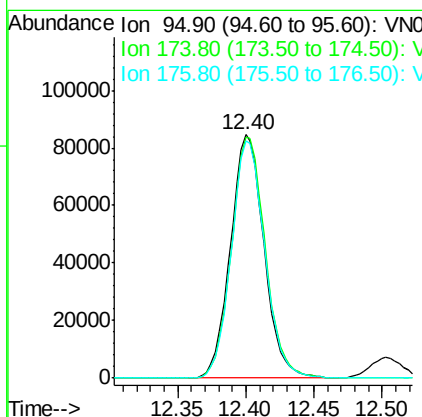
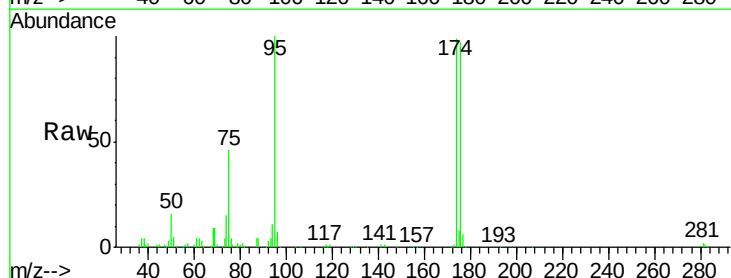
Manual Integrations
 APPROVED

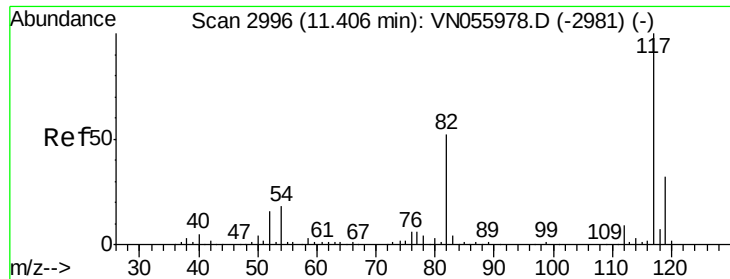
MMDadoda
 6/13/2019 11:08:41 AM



#62
 4-Bromofluorobenzene
 Concen: 46.900 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN056249.D
 Acq: 12 Jun 2019 15:24

Tgt Ion: 95 Resp: 144479
 Ion Ratio Lower Upper
 95 100
 174 99.9 0.0 191.0
 176 97.2 0.0 185.2





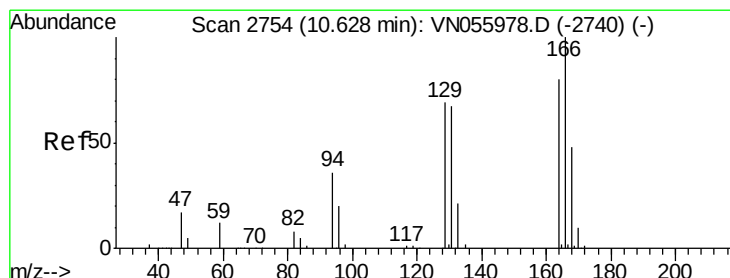
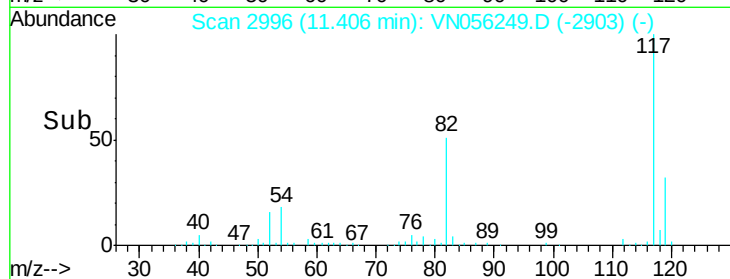
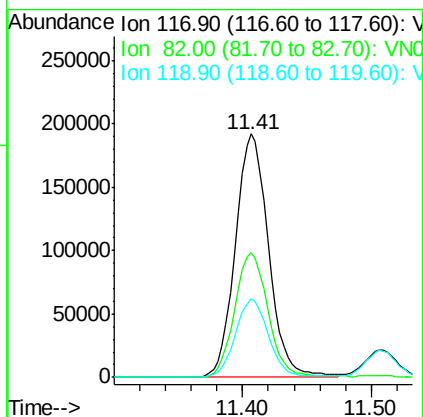
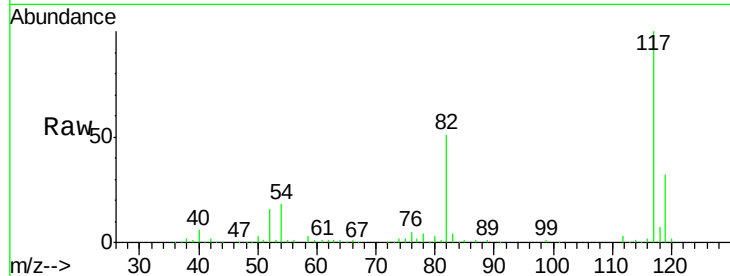
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056249.D
Acq: 12 Jun 2019 15:24

Instrument :
MSVOA_N
ClientSampleId :
VN0612WBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.2	41.8	62.8
119	32.0	25.4	38.0

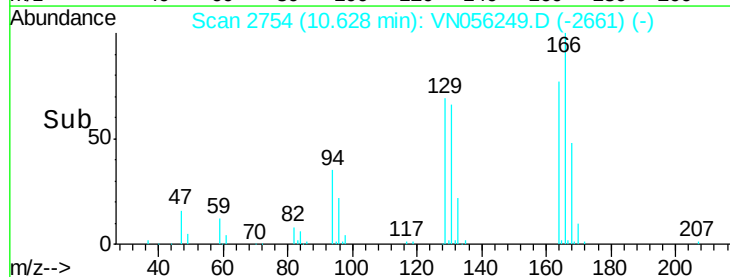
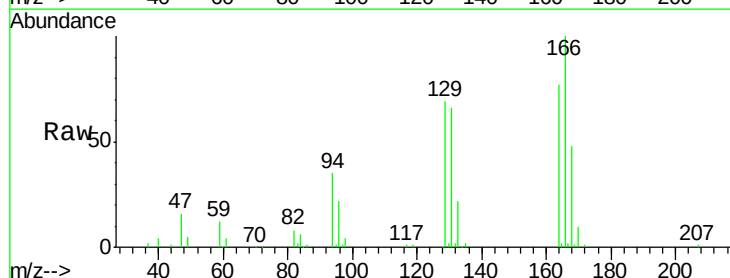
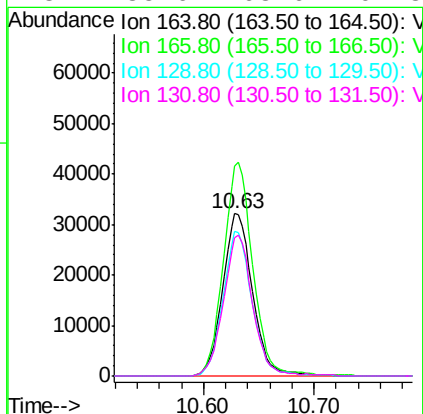
Manual Integrations
APPROVED

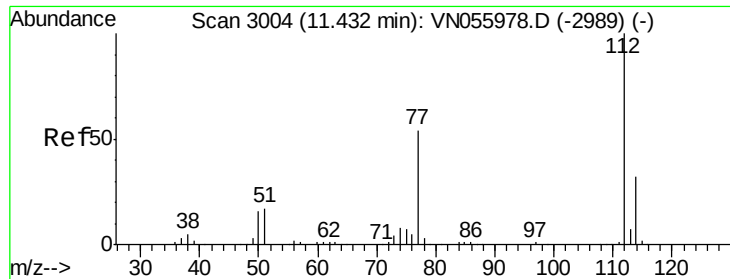
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#64
Tetrachloroethene
Concen: 20.280 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN056249.D
Acq: 12 Jun 2019 15:24

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.9	103.0	154.6
129	89.1	70.6	105.8
131	85.6	68.6	102.8





#65

Chlorobenzene

Concen: 20.587 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN056249.D

Acq: 12 Jun 2019 15:24

Instrument :

MSVOA_N

ClientSampled :

VN0612WBS02

Tot Ion:112 Resp: 140809

Ion Ratio Lower Upper

112 100

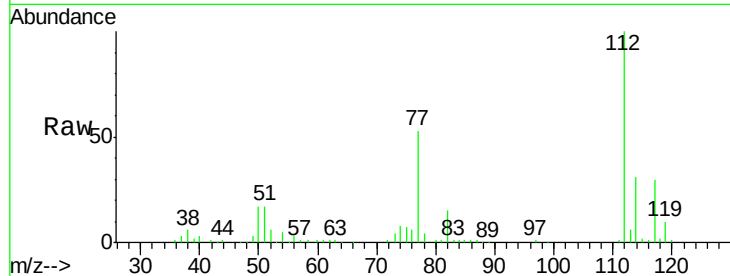
114 31.1 26.2 39.4

Manual Integrations

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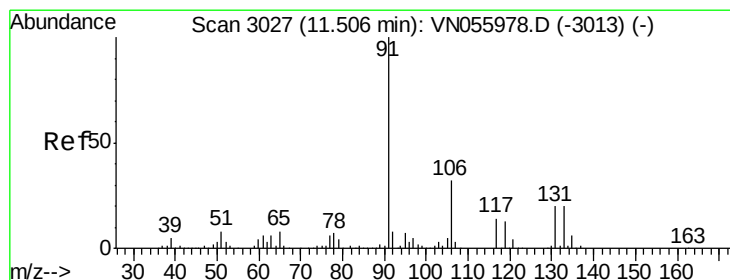
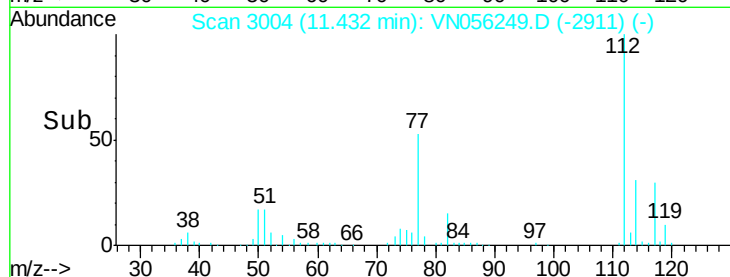
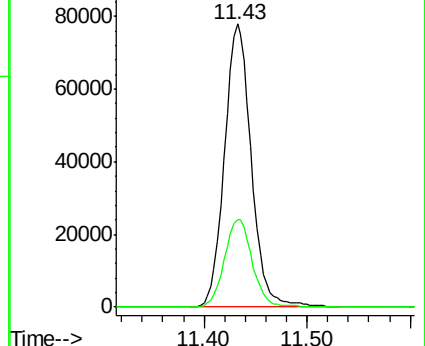
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 23.577 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN056249.D

Acq: 12 Jun 2019 15:24

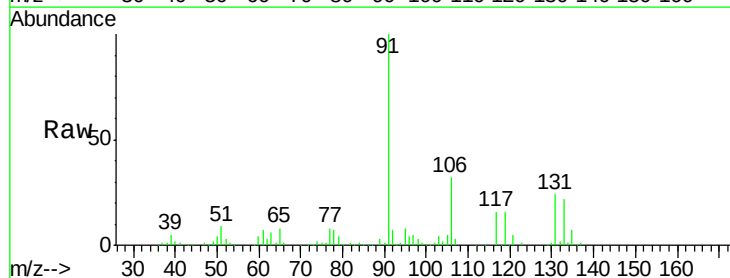
Tgt Ion:131 Resp: 55681

Ion Ratio Lower Upper

131 100

133 93.4 48.0 144.0

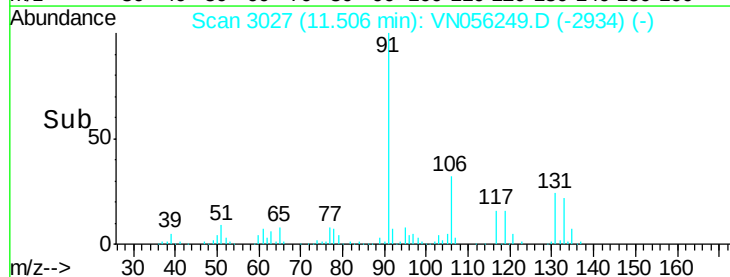
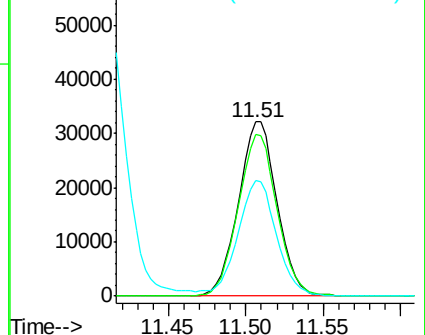
119 66.2 33.1 99.5

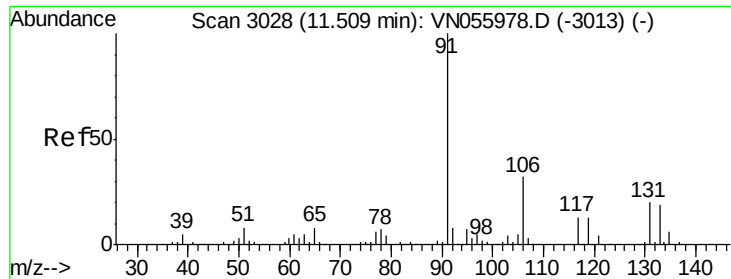


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





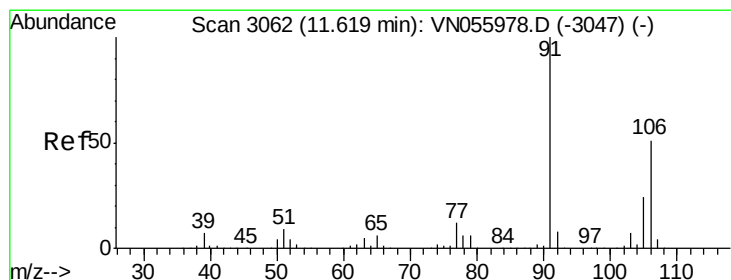
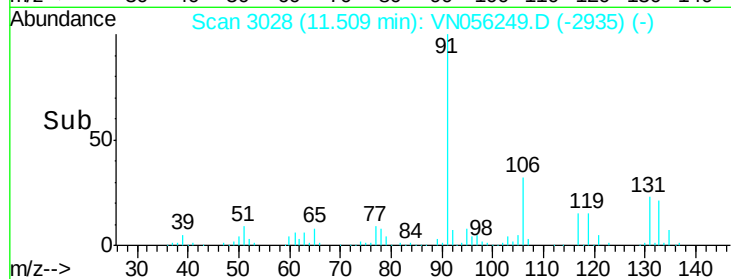
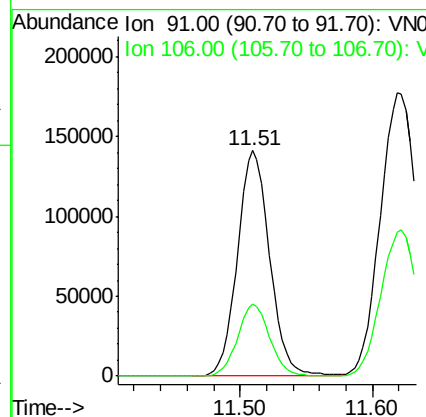
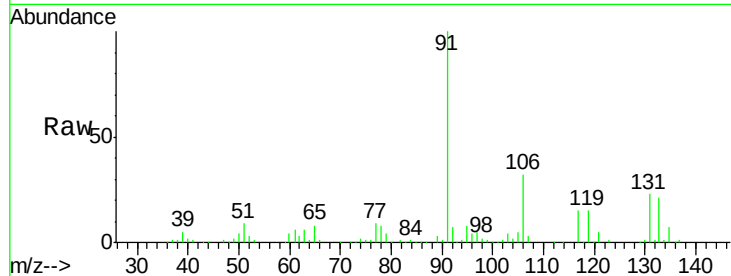
#67
Ethyl Benzene
Concen: 20.060 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056249.D
Acq: 12 Jun 2019 15:24

Instrument :
MSVOA_N
ClientSampled :
VN0612WBS02

Tot Ion: 91 Resp: 238580
Ion Ratio Lower Upper
91 100
106 32.1 25.1 37.7

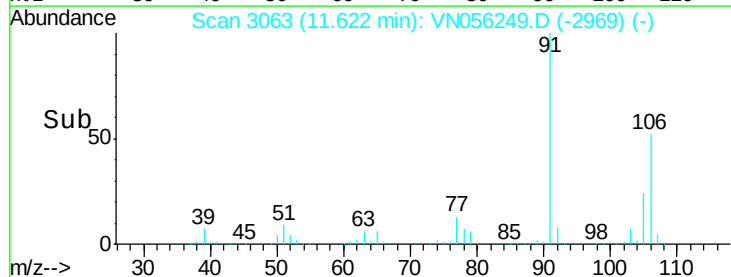
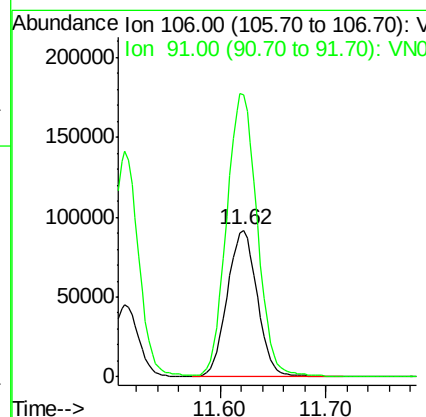
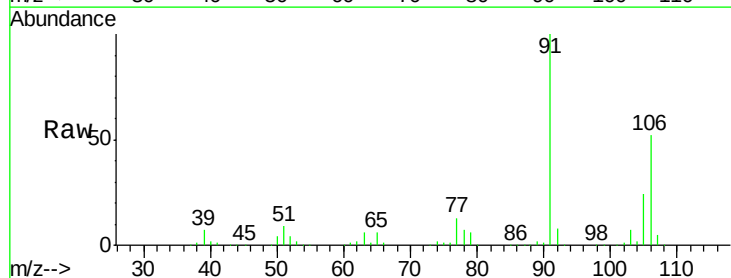
Manual Integrations
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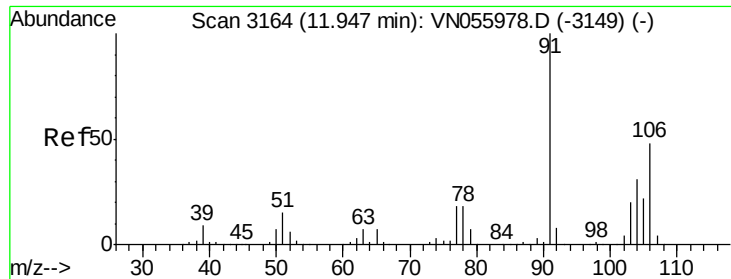
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#68
m/p-Xylenes
Concen: 39.991 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN056249.D
Acq: 12 Jun 2019 15:24

Tgt Ion: 106 Resp: 181693
Ion Ratio Lower Upper
106 100
91 195.8 159.3 238.9





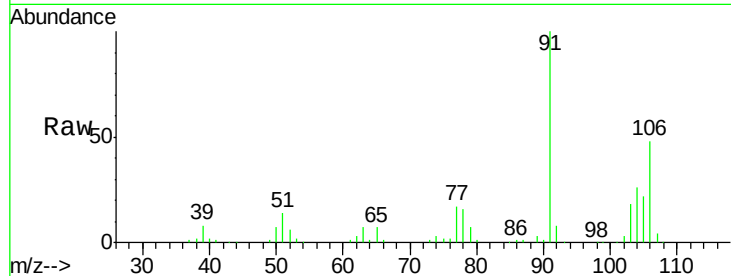
#69
o-Xylene
Concen: 19.868 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056249.D
Acq: 12 Jun 2019 15:24

Instrument :
MSVOA_N
ClientSampleId :
VN0612WBS02

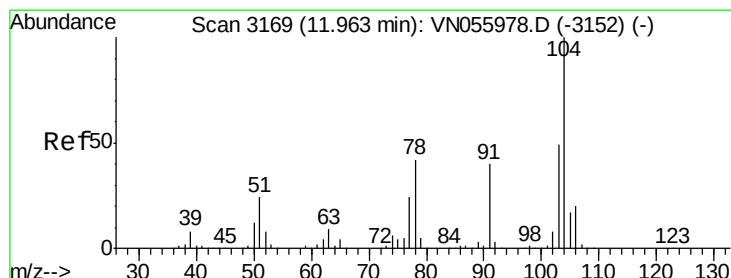
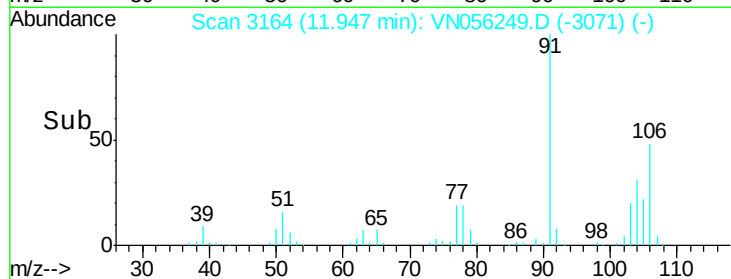
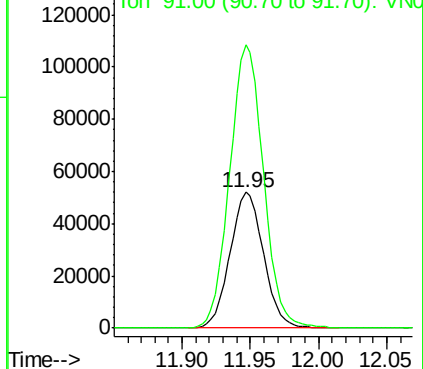
Tot Ion:106 Resp: 88793
Ion Ratio Lower Upper
106 100
91 210.1 104.7 314.1

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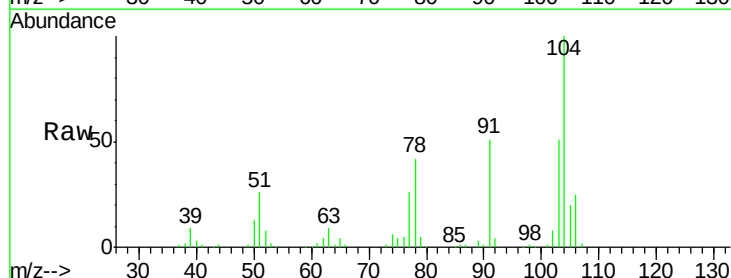


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

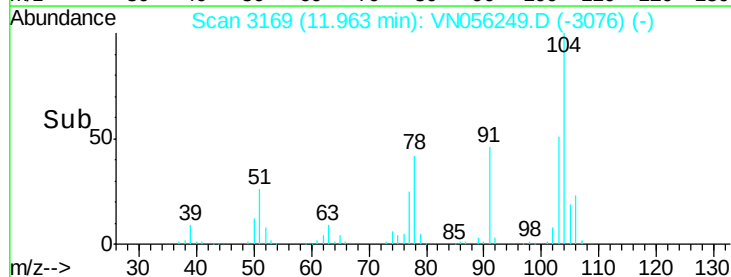
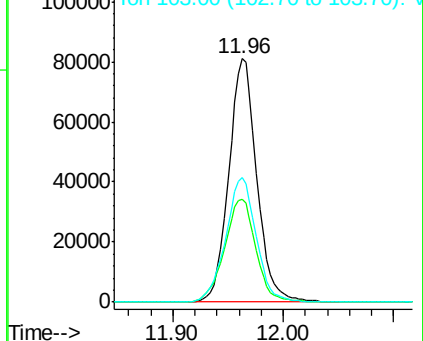


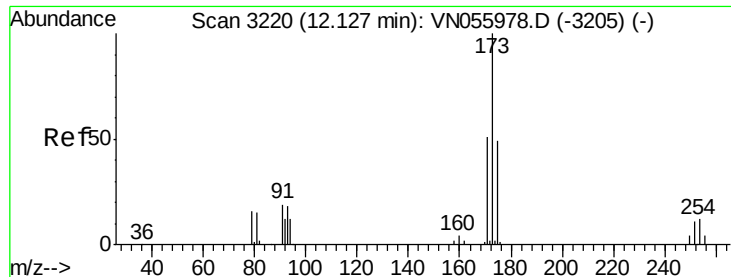
#70
Styrene
Concen: 20.115 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056249.D
Acq: 12 Jun 2019 15:24

Tgt Ion:104 Resp: 142830
Ion Ratio Lower Upper
104 100
78 47.1 37.8 56.6
103 55.8 44.2 66.2



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 23.824 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN056249.D

Acq: 12 Jun 2019 15:24

Instrument :

MSVOA_N

ClientSampleId :

VN0612WBS02

Tot Ion:173 Resp: 44227

Ion Ratio Lower Upper

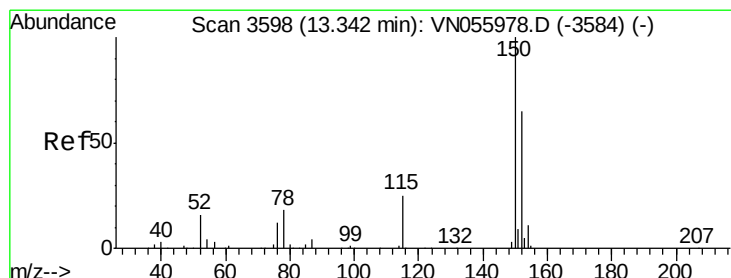
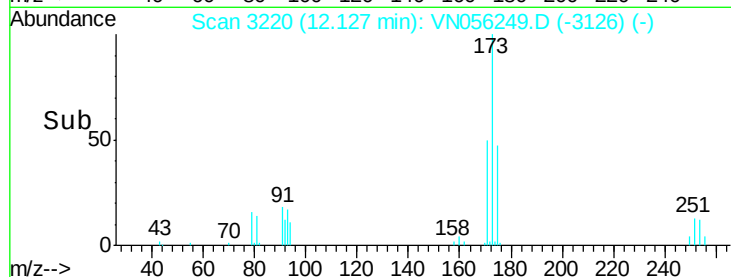
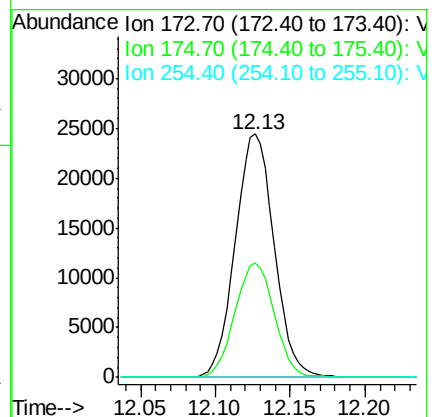
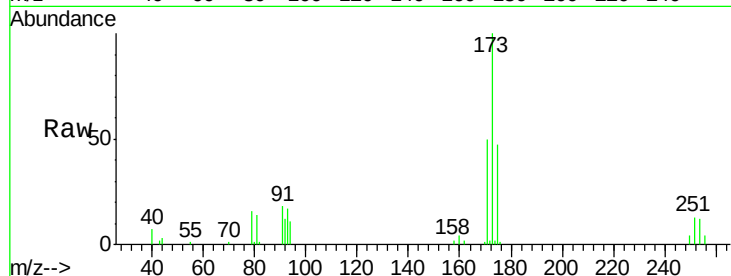
173 100

175 47.6 24.3 72.8

254 0.0 0.0 0.0

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN056249.D

Acq: 12 Jun 2019 15:24

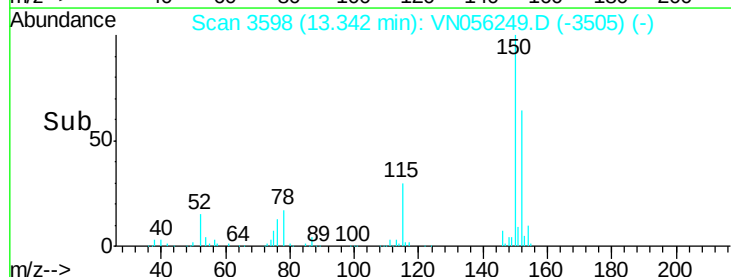
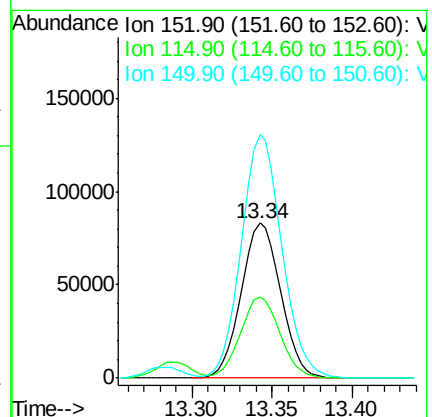
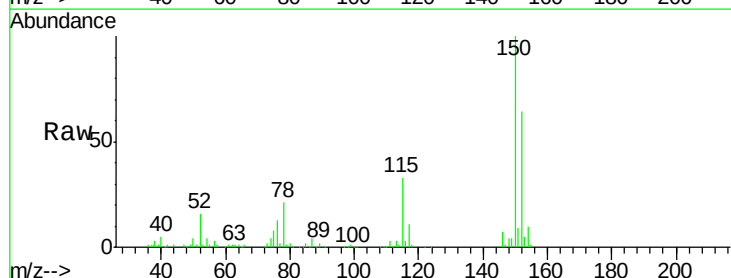
Tgt Ion:152 Resp: 139445

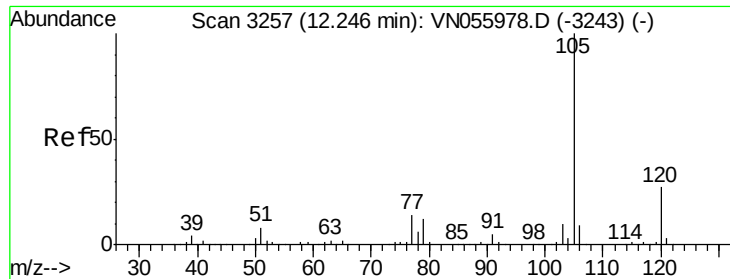
Ion Ratio Lower Upper

152 100

115 52.3 27.0 81.0

150 161.7 0.0 343.2





#73

Isopropylbenzene

Concen: 22.474 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056249.D

Acq: 12 Jun 2019 15:24

Instrument :

MSVOA_N

ClientSampleId :

VN0612WBS02

Tot Ion: 105 Resp: 236630

Ion Ratio Lower Upper

105 100

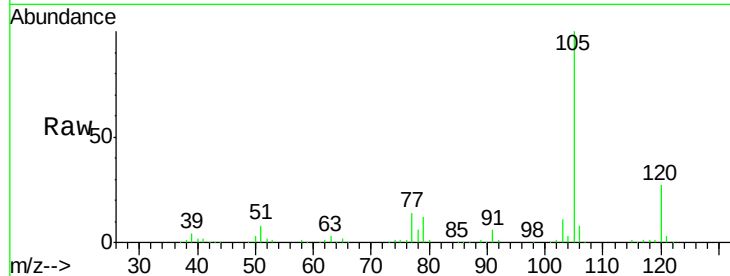
120 27.4 13.6 40.7

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

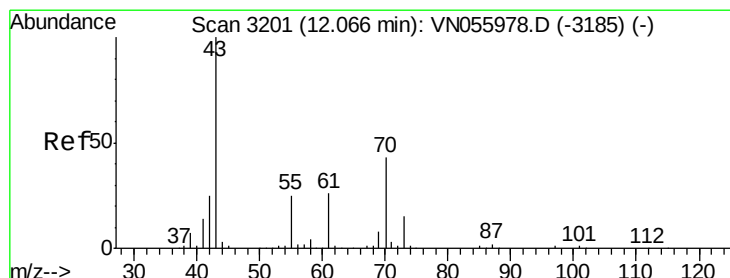
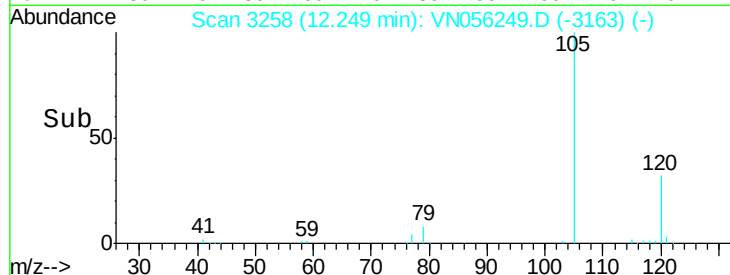
150000

100000

50000

0

Time--> 12.15 12.20 12.25 12.30



#74

N-ethyl acetate

Concen: 20.501 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056249.D

Acq: 12 Jun 2019 15:24

Tgt Ion: 43 Resp: 76206

Ion Ratio Lower Upper

43 100

70 44.7 34.0 51.0

55 26.6 18.6 28.0

61 24.9 20.0 30.0

Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

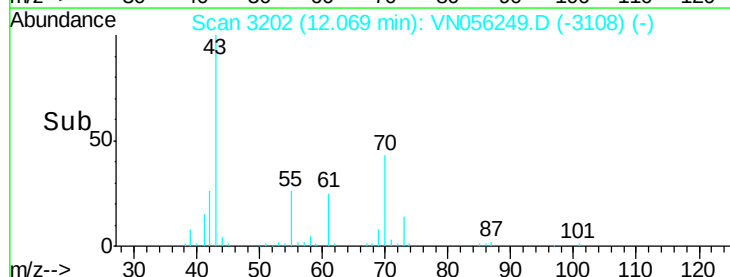
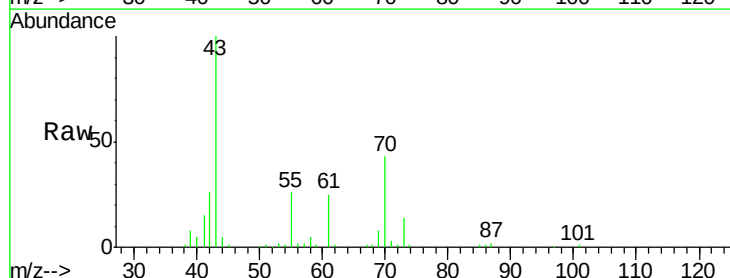
60000

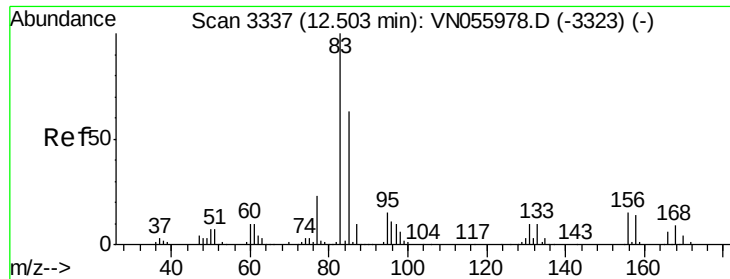
40000

20000

0

Time--> 12.00 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 23.170 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056249.D

Acq: 12 Jun 2019 15:24

Instrument :

MSVOA_N

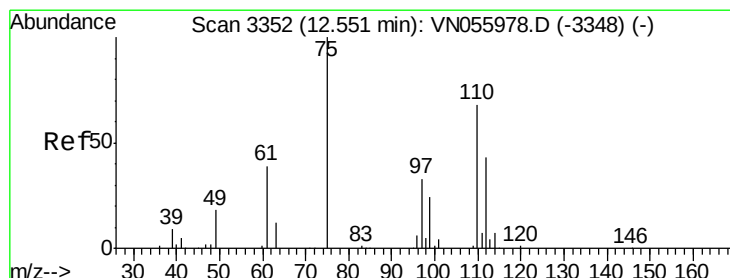
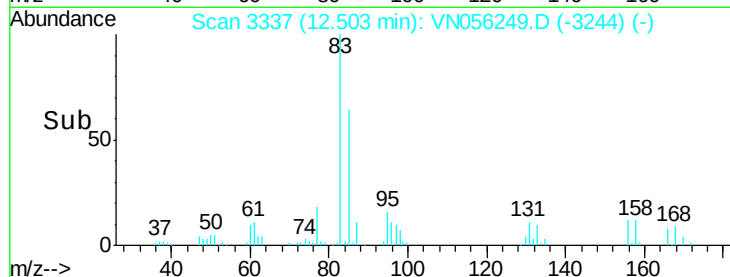
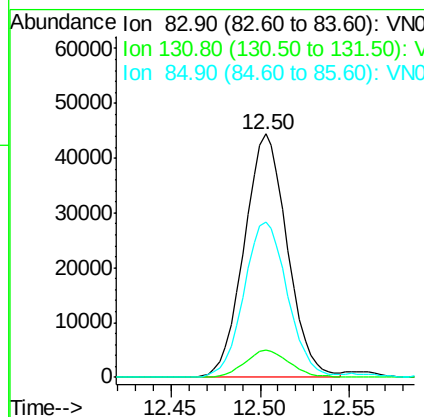
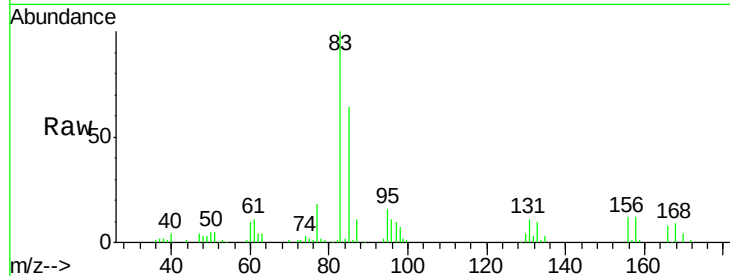
ClientSampleId :

VN0612WBS02

Tot Ion:	83	Resp:	75005
Ion Ratio	Lower	Upper	
83	100		
131	11.4	5.4	16.2
85	64.6	32.4	97.0

Manual Integrations
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6/13/2019 11:08:41 AM



#76

1,2,3-Trichloropropane

Concen: 25.334 ug/l m

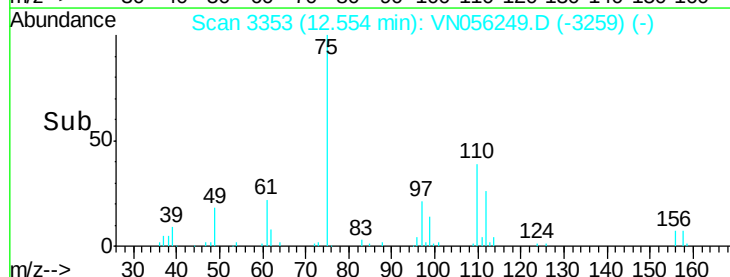
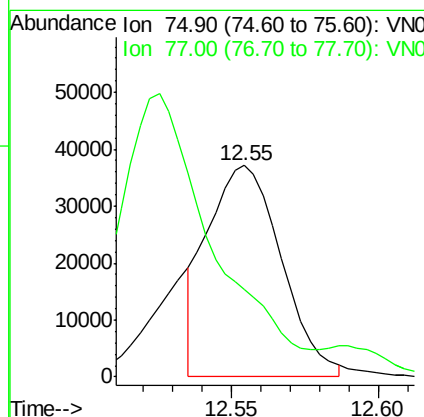
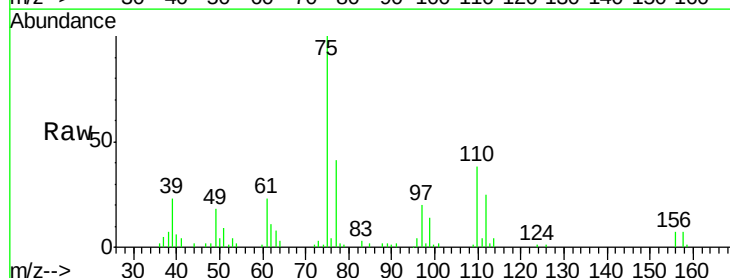
RT: 12.55 min Scan# 3353

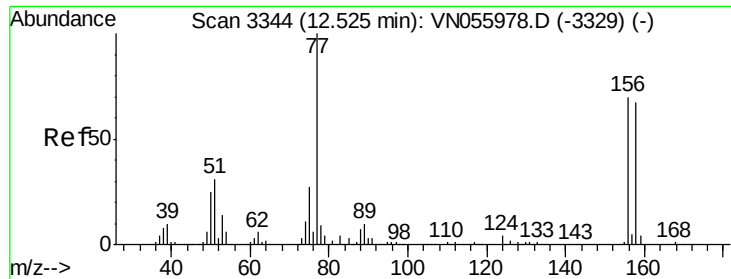
Delta R.T. 0.00 min

Lab File: VN056249.D

Acq: 12 Jun 2019 15:24

Tgt Ion:	75	Resp:	65004
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.696 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056249.D

Acq: 12 Jun 2019 15:24

Instrument :

MSVOA_N

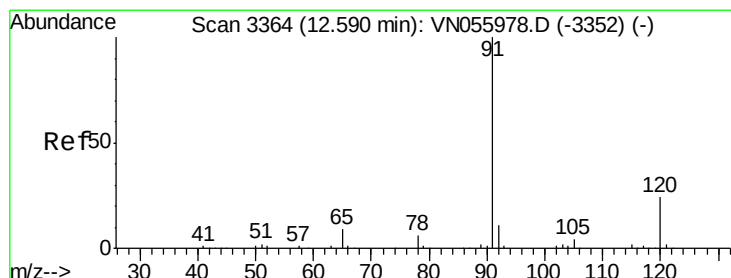
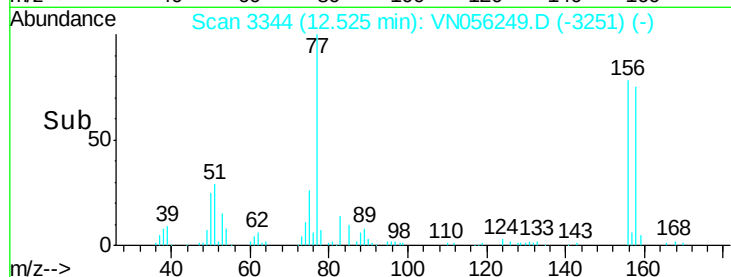
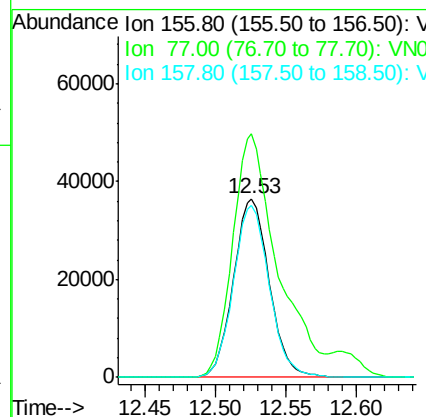
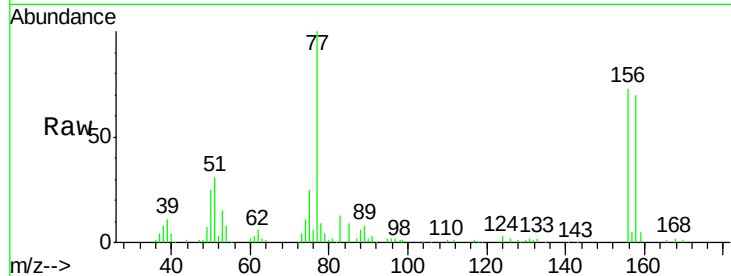
ClientSampleId :

VN0612WBS02

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	170.0	90.8	272.5	
158	96.7	49.3	147.8	

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#78

n-propylbenzene

Concen: 20.125 ug/l

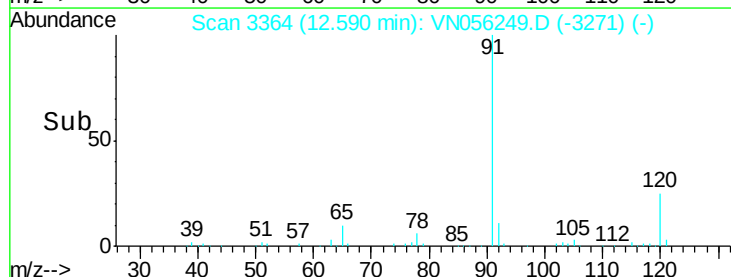
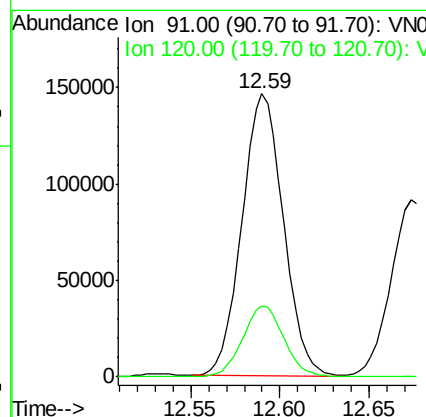
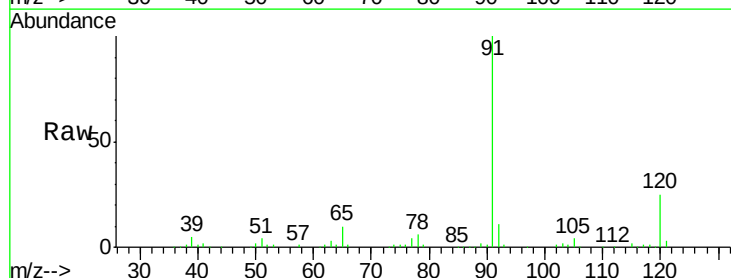
RT: 12.59 min Scan# 3364

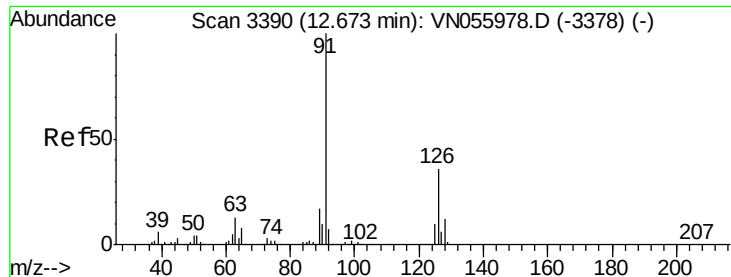
Delta R.T. 0.00 min

Lab File: VN056249.D

Acq: 12 Jun 2019 15:24

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	25.1	12.0	36.0	





#79

2-Chlorotoluene

Concen: 21.870 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056249.D

Acq: 12 Jun 2019 15:24

Instrument :

MSVOA_N

ClientSampled :

VN0612WBS02

Tot Ion: 91 Resp: 151649

Ion Ratio Lower Upper

91 100

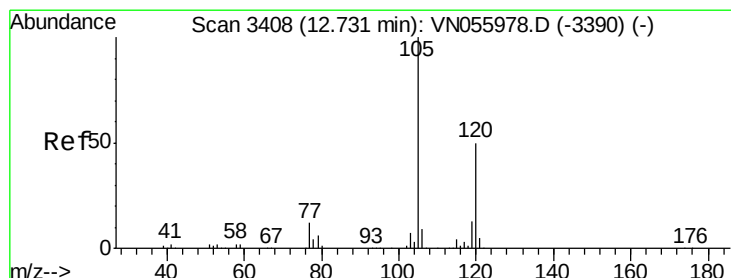
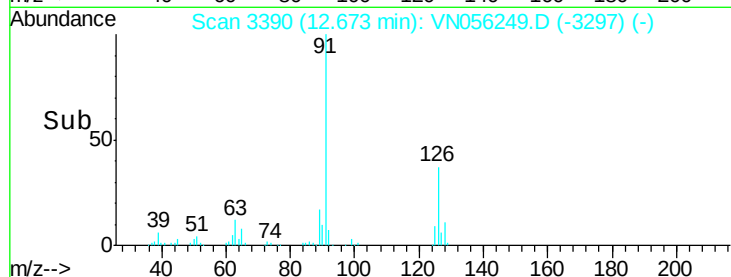
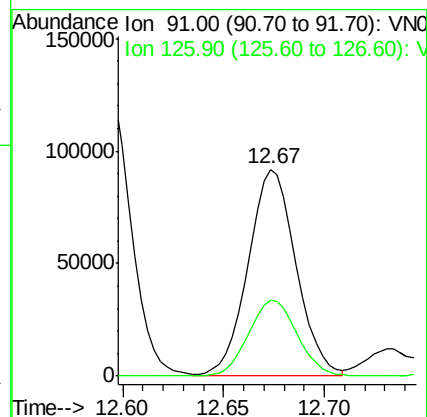
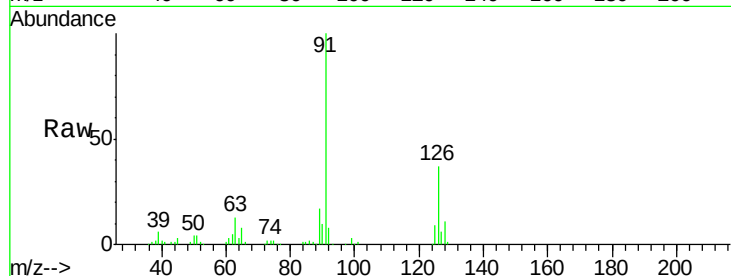
126 37.7 18.1 54.4

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 20.372 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056249.D

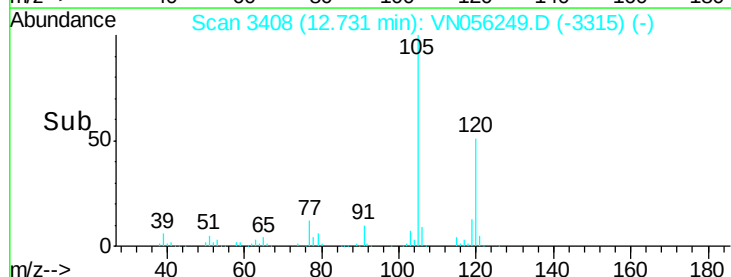
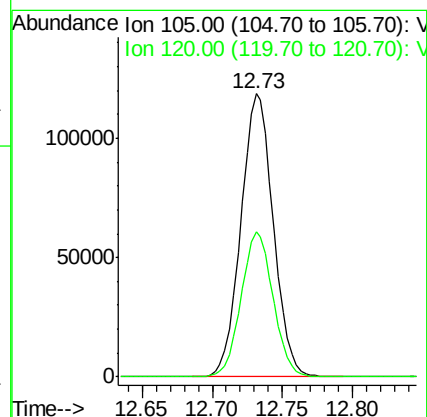
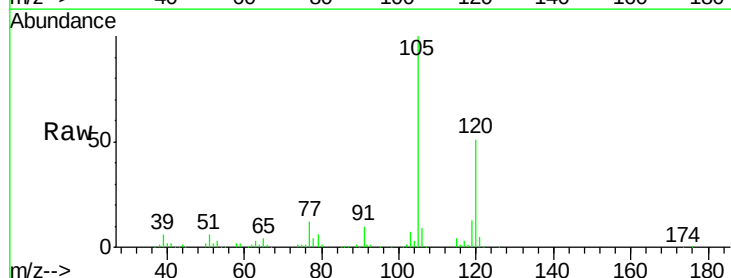
Acq: 12 Jun 2019 15:24

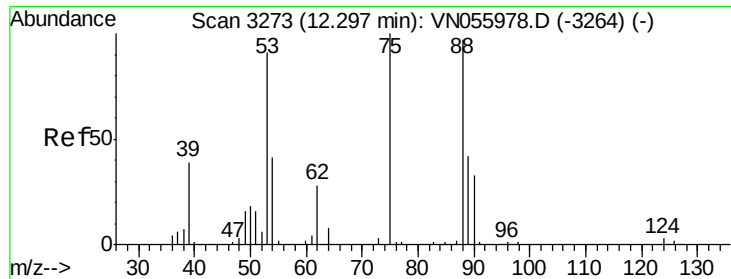
Tgt Ion: 105 Resp: 190999

Ion Ratio Lower Upper

105 100

120 50.4 24.7 74.1





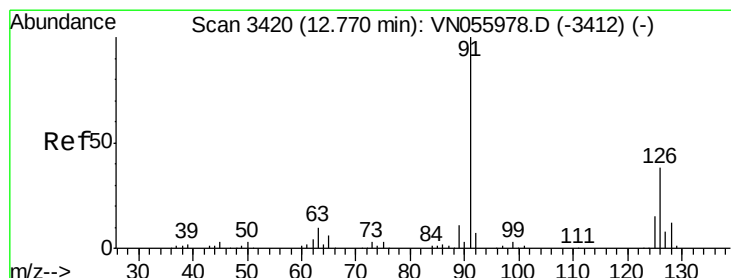
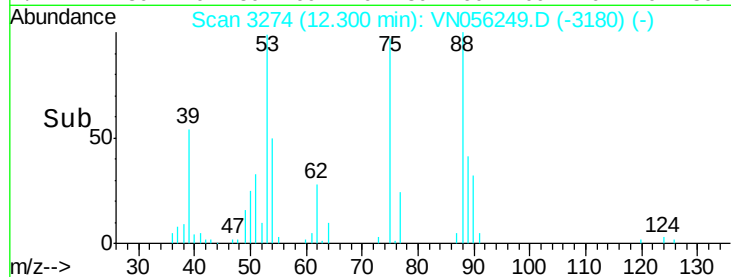
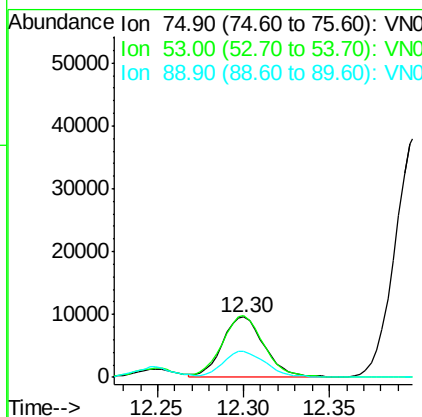
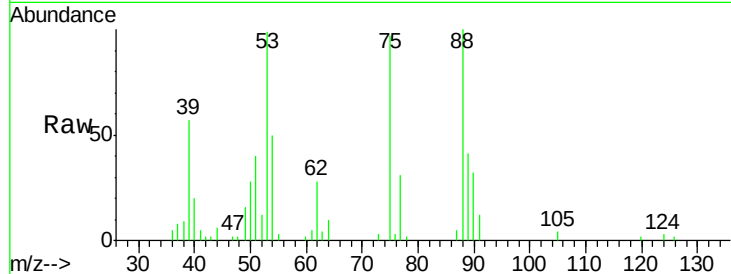
#81
trans-1,4-Dichloro-2-butene
Concen: 21.283 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN056249.D
Acq: 12 Jun 2019 15:24

Instrument :
MSVOA_N
ClientSampleId :
VN0612WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	101.2	68.1	102.1
89	44.0	36.9	55.3

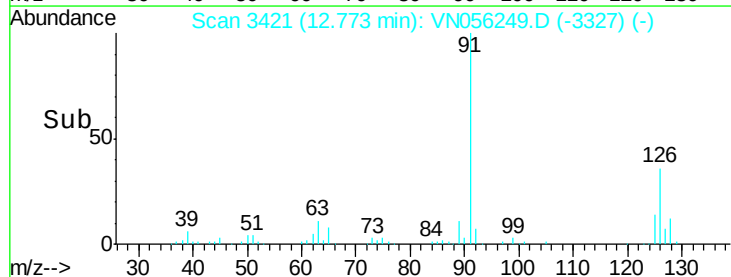
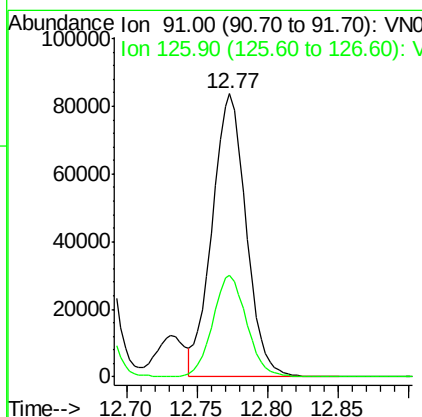
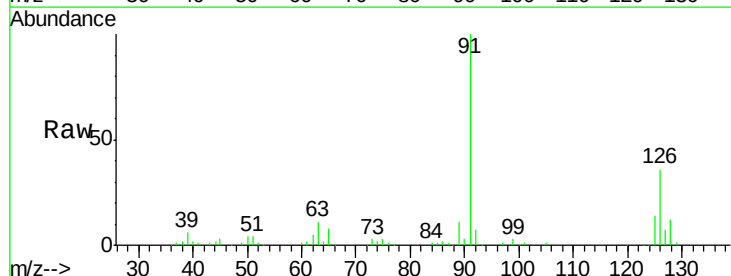
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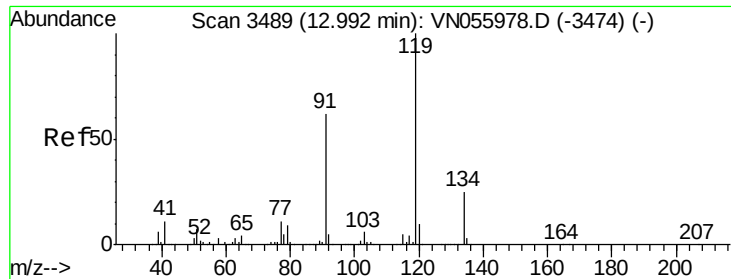
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#82
4-Chlorotoluene
Concen: 20.249 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN056249.D
Acq: 12 Jun 2019 15:24

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.9	17.8	53.3





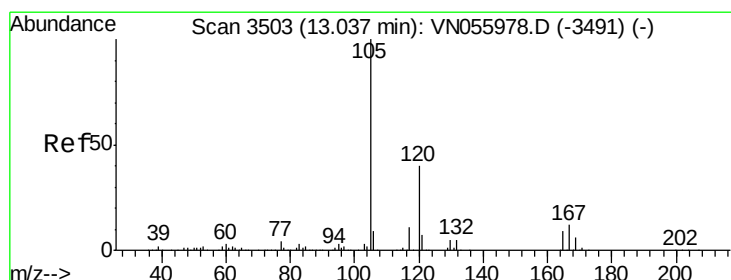
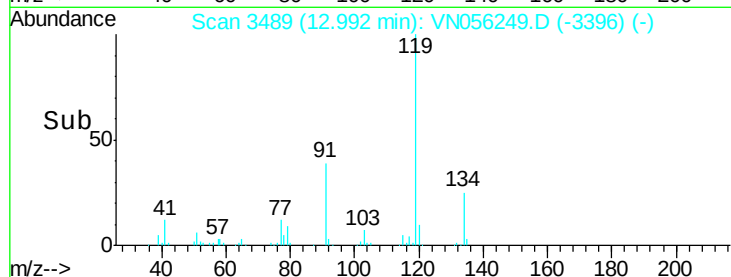
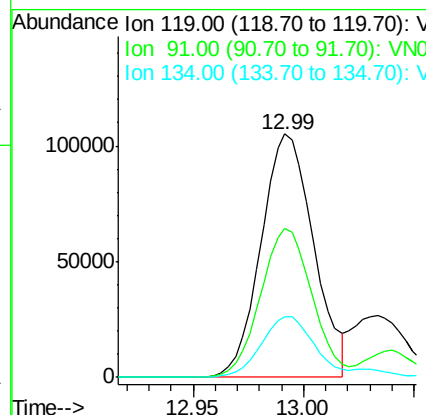
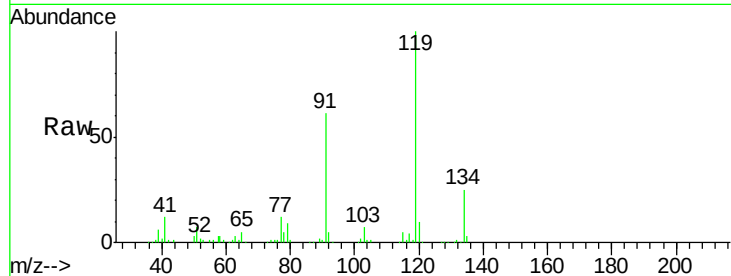
#83
tert-Butylbenzene
Concen: 22.447 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN056249.D
Acq: 12 Jun 2019 15:24

Instrument :
MSVOA_N
ClientSampled :
VN0612WBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	174231		
91	60.0	30.9	92.8	
134	25.1	13.3	39.8	

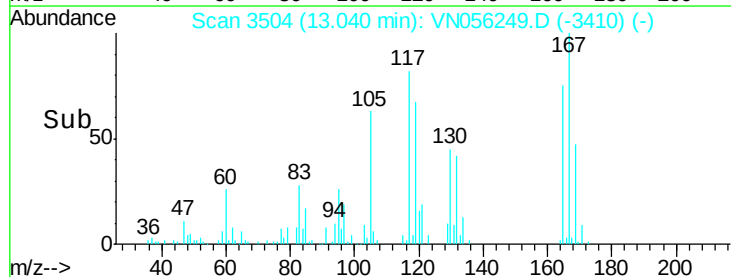
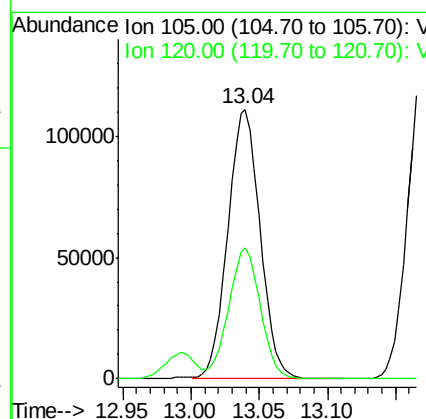
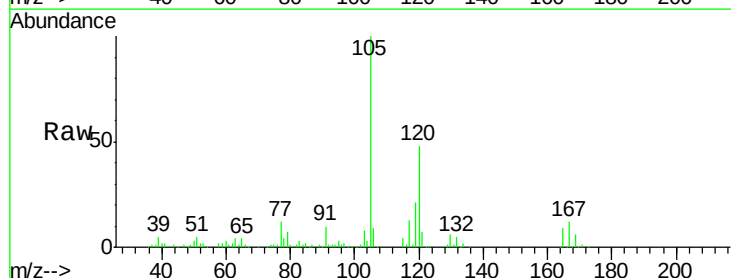
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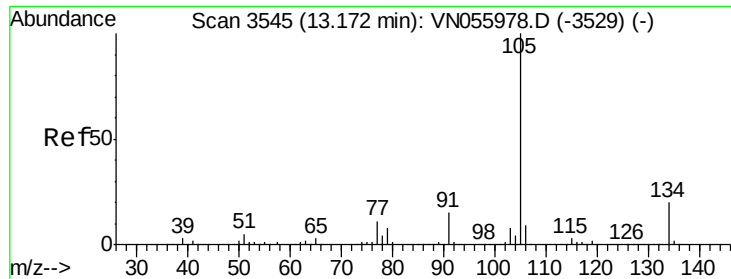
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#84
1,2,4-Trimethylbenzene
Concen: 20.526 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN056249.D
Acq: 12 Jun 2019 15:24

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	182495		
120	47.7	23.0	69.0	





#85

sec-Butylbenzene

Concen: 20.802 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN056249.D

Acq: 12 Jun 2019 15:24

Instrument :

MSVOA_N

ClientSampled :

VN0612WBS02

Tot Ion:105 Resp: 217320

Ion Ratio Lower Upper

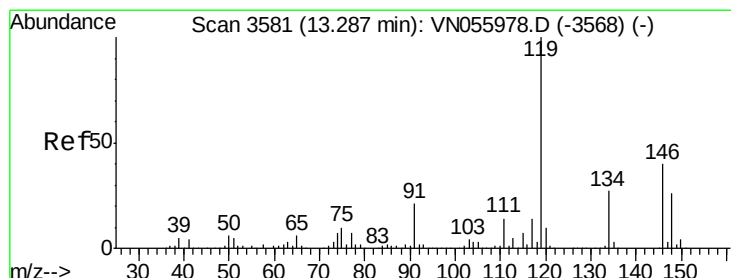
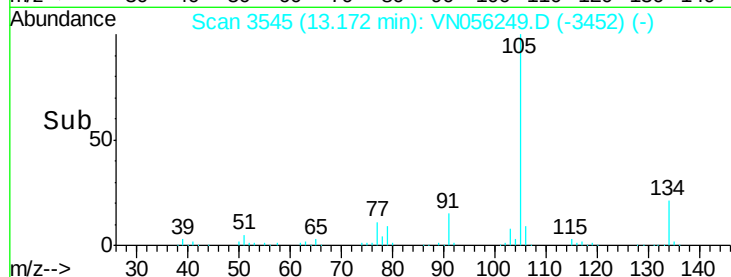
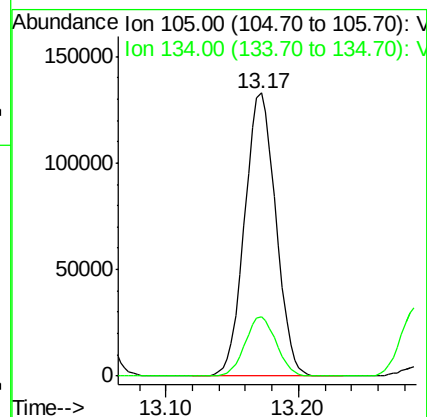
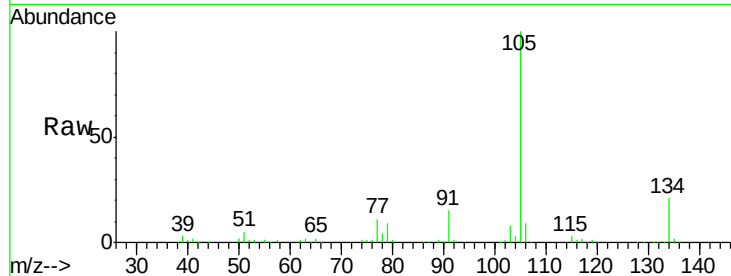
105 100

134 20.8 10.4 31.2

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#86

p-Isopropyltoluene

Concen: 20.222 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056249.D

Acq: 12 Jun 2019 15:24

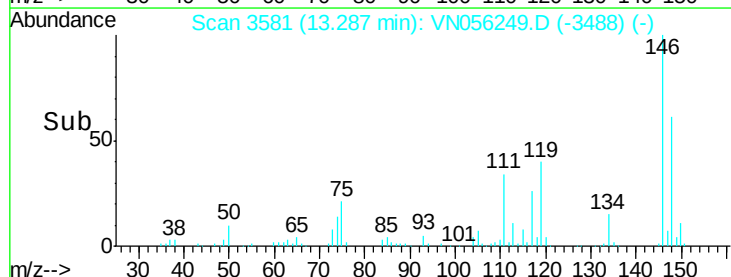
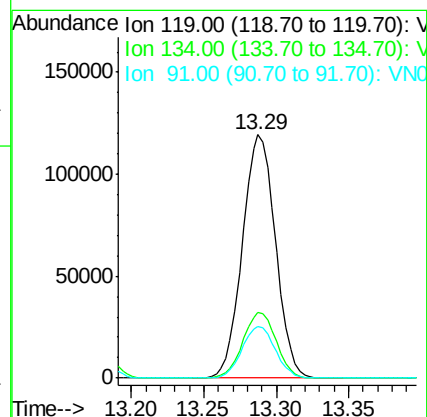
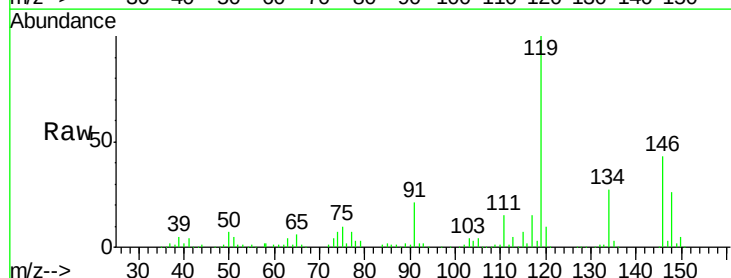
Tgt Ion:119 Resp: 189071

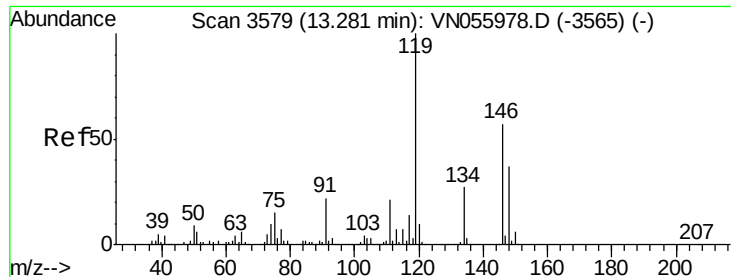
Ion Ratio Lower Upper

119 100

134 27.2 13.4 40.1

91 21.4 10.9 32.9





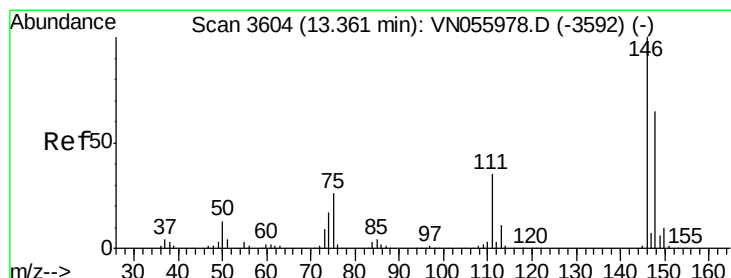
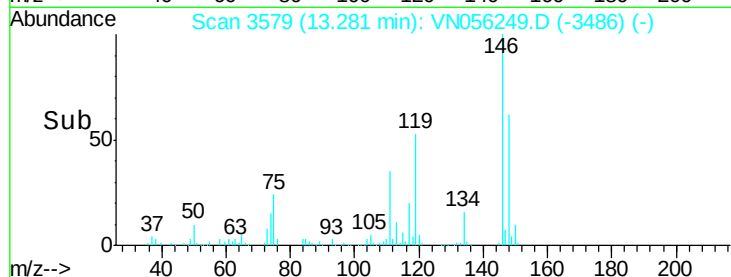
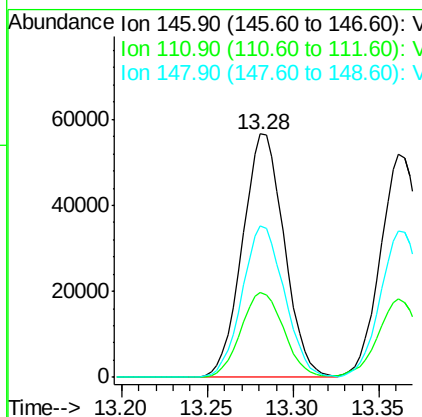
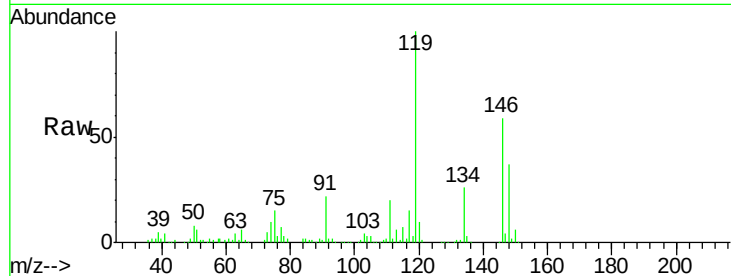
#87
 1,3-Dichlorobenzene
 Concen: 20.726 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056249.D
 Acq: 12 Jun 2019 15:24

Instrument :
 MSVOA_N
 ClientSampled :
 VN0612WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.8	18.5	55.5
148	62.8	32.0	96.2

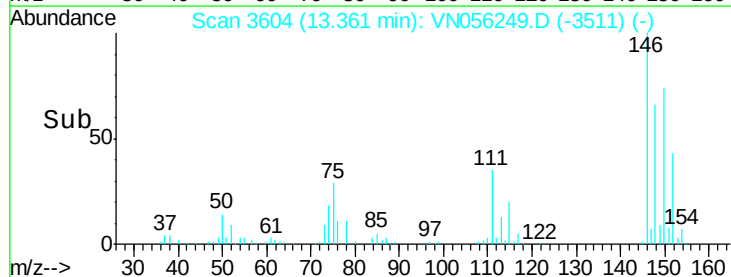
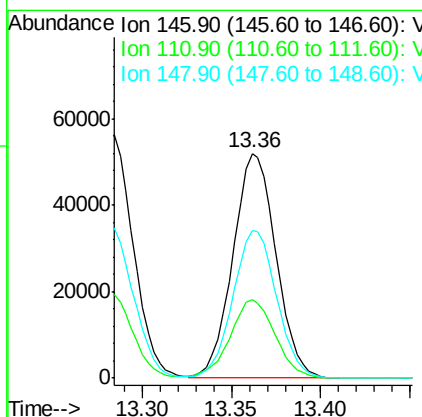
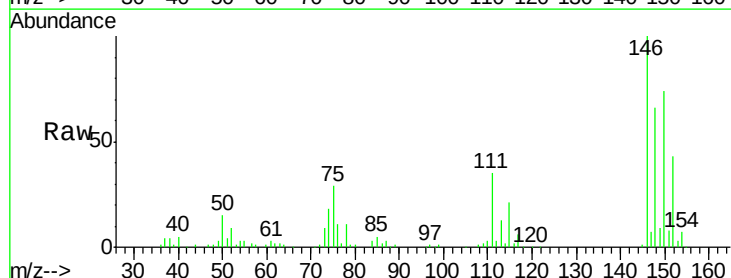
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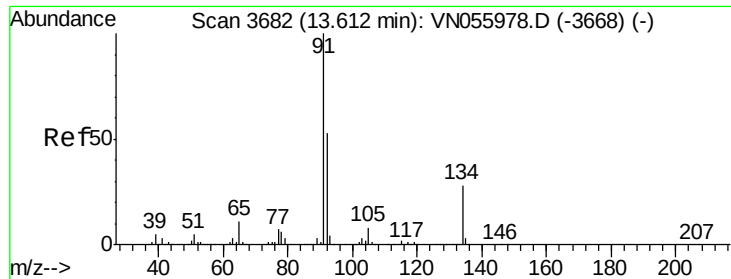
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#88
 1,4-Dichlorobenzene
 Concen: 19.589 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056249.D
 Acq: 12 Jun 2019 15:24

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.1	54.4
148	67.1	32.1	96.5





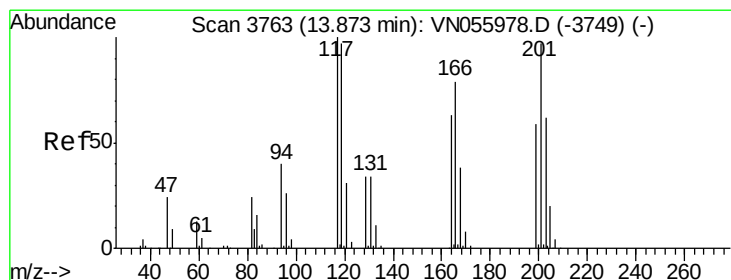
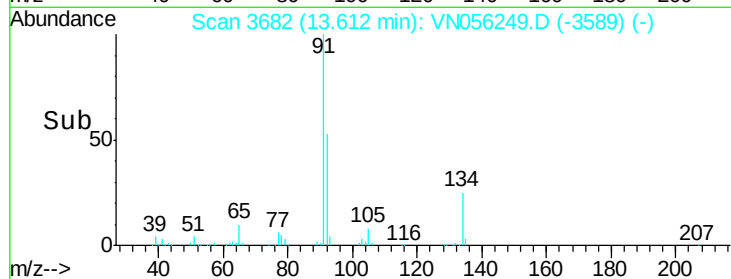
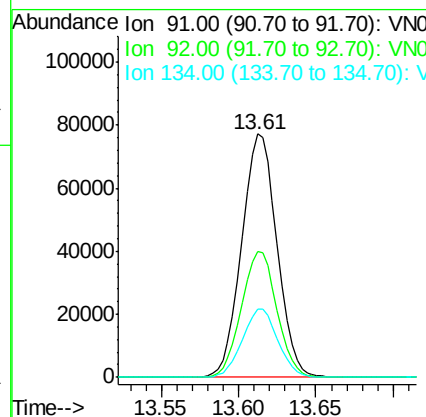
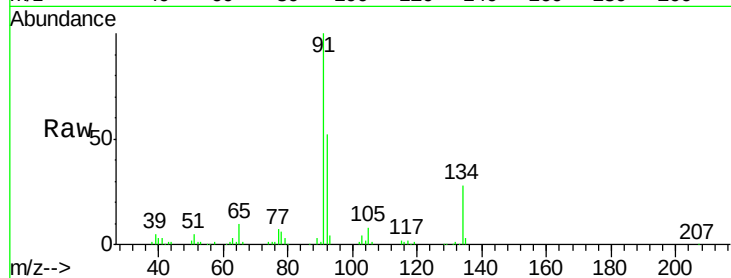
#89
n-Butylbenzene
Concen: 17.657 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN056249.D
Acq: 12 Jun 2019 15:24

Instrument :
MSVOA_N
ClientSampleId :
VN0612WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.9	26.4	79.0
134	28.1	13.9	41.7

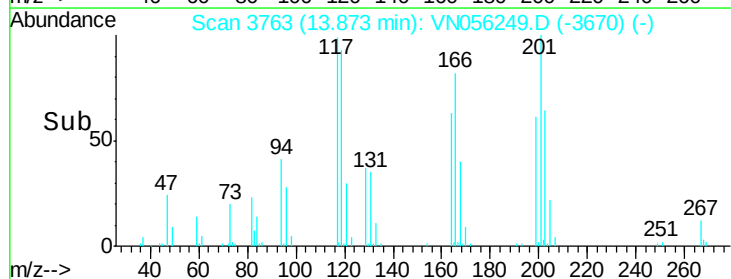
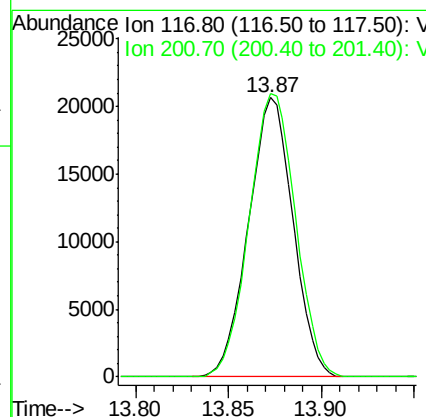
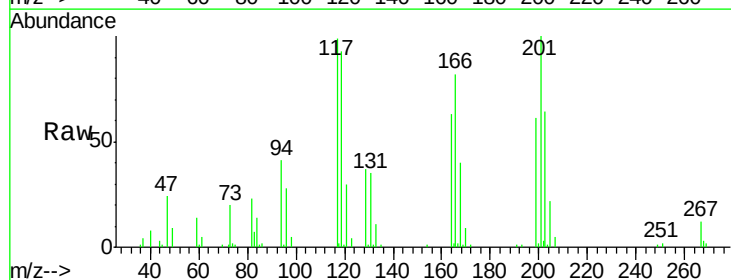
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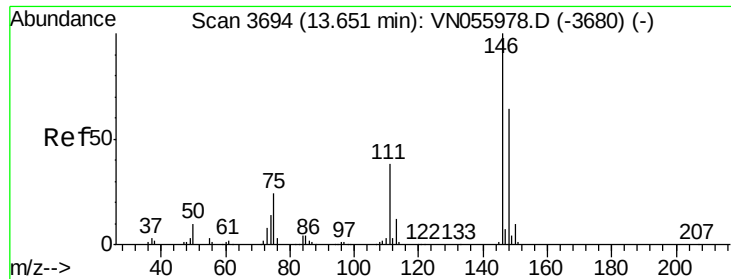
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#90
Hexachloroethane
Concen: 24.408 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN056249.D
Acq: 12 Jun 2019 15:24

Tgt Ion	Ratio	Lower	Upper
117	100		
201	105.5	50.0	150.0





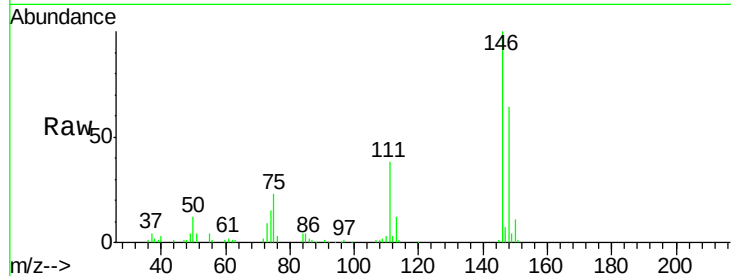
#91
 1,2-Dichlorobenzene
 Concen: 21.050 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN056249.D
 Acq: 12 Jun 2019 15:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0612WBS02

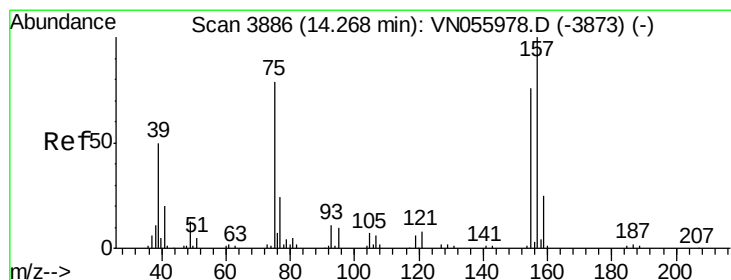
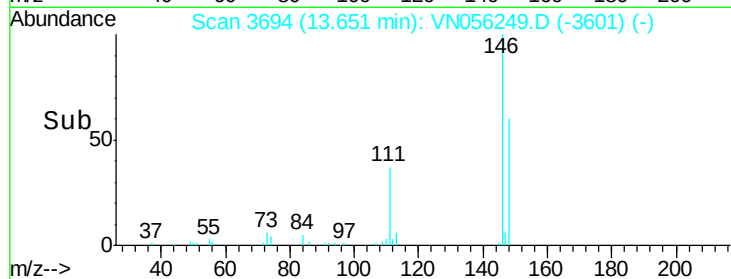
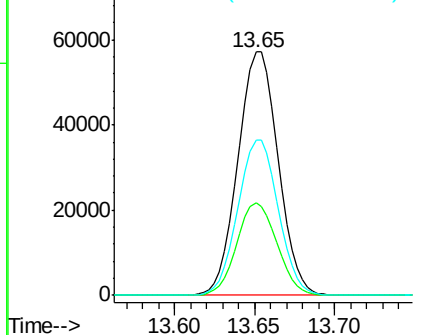
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	19.1	57.5
148	63.9	31.9	95.9

Manual Integrations
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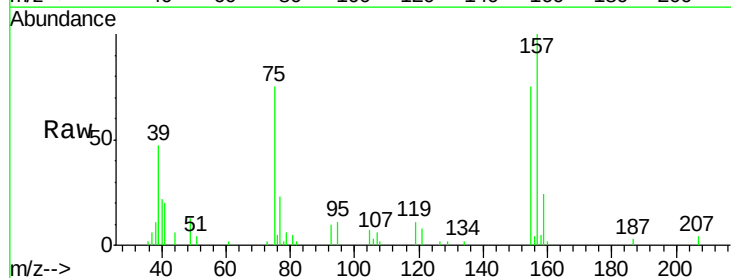


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

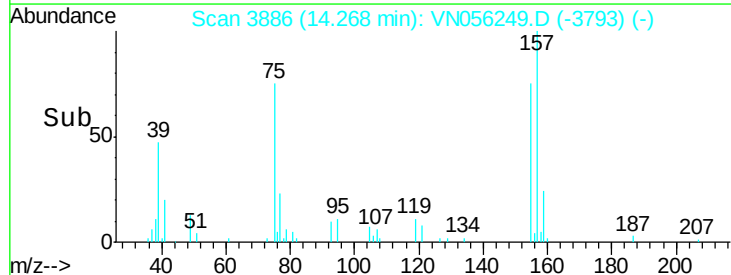
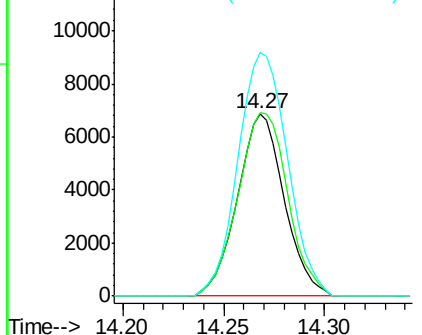


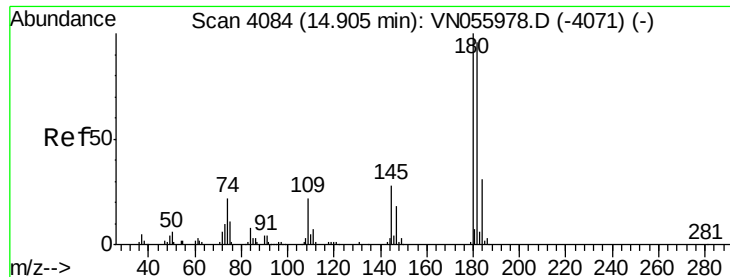
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 24.103 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN056249.D
 Acq: 12 Jun 2019 15:24

Tgt Ion	Ratio	Lower	Upper
75	100		
155	107.4	50.0	150.1
157	141.5	64.8	194.3



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V





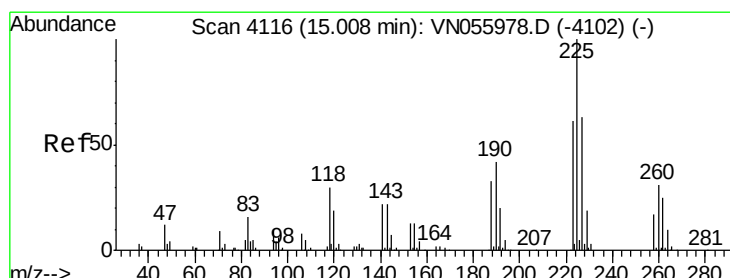
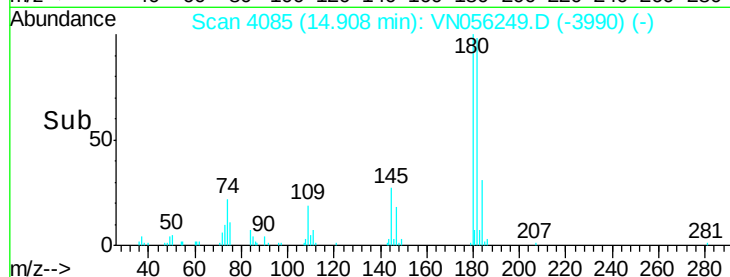
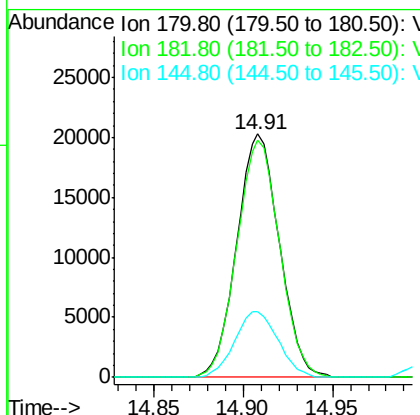
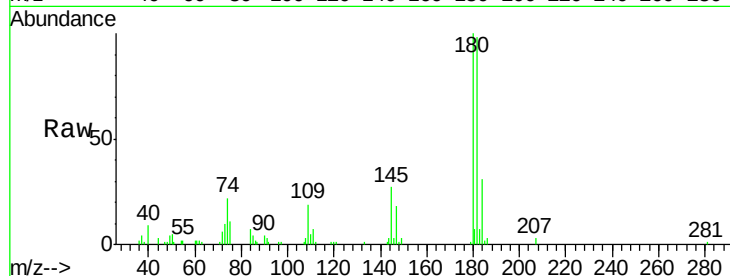
#93
 1,2,4-Trichlorobenzene
 Concen: 16.301 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056249.D
 Acq: 12 Jun 2019 15:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0612WBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	33816		
182	97.9	48.3	144.9	
145	27.5	14.0	41.9	

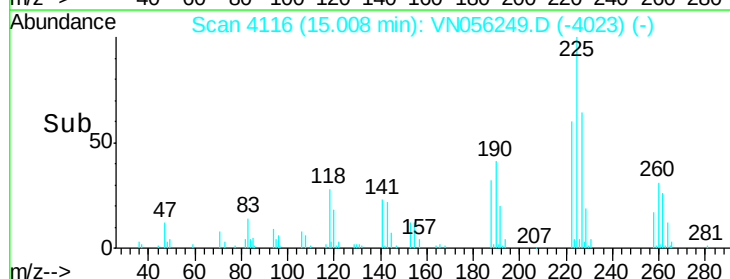
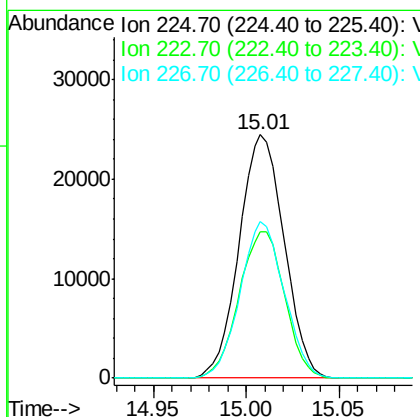
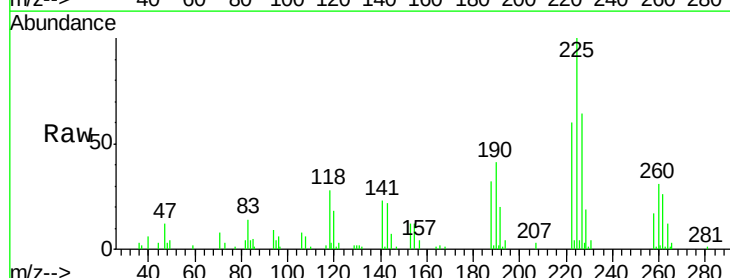
Manual Integrations
 APPROVED

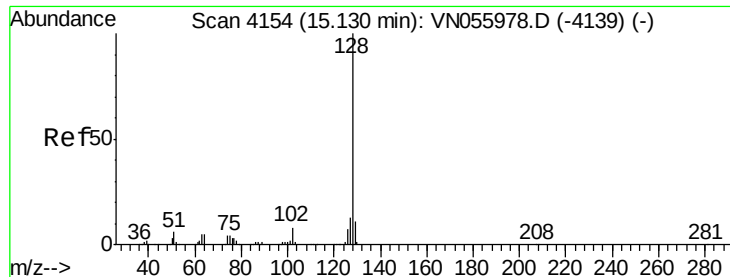
MMDadoda
 6/13/2019 11:08:41 AM



#94
 Hexachlorobutadiene
 Concen: 24.707 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056249.D
 Acq: 12 Jun 2019 15:24

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	41219		
223	60.8	30.9	92.7	
227	62.8	31.6	94.7	





#95

Naphthalene

Concen: 16.108 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056249.D

Acq: 12 Jun 2019 15:24

Instrument :

MSVOA_N

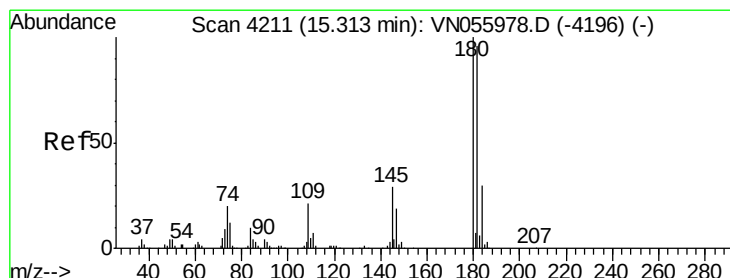
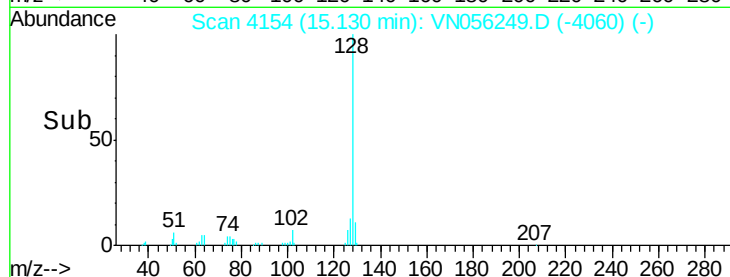
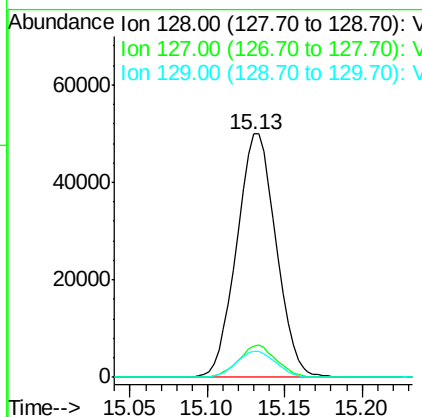
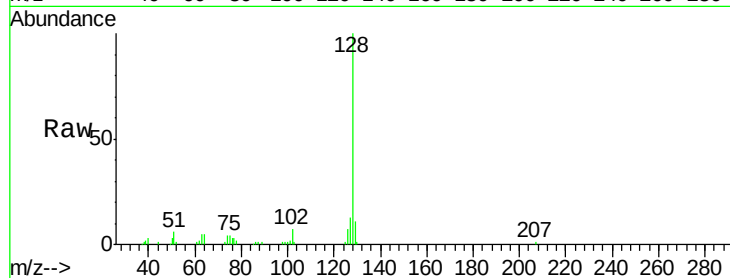
ClientSampleId :

VN0612WBS02

Tot Ion:	128	Resp:	88569
Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.3	15.5
129	10.7	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
6/13/2019 11:08:41 AM



#96

1,2,3-Trichlorobenzene

Concen: 17.945 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056249.D

Acq: 12 Jun 2019 15:24

Tgt Ion:	180	Resp:	41594
Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.9	143.7
145	29.4	14.9	44.7

