

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012720\
 Data File : VN059870.D
 Acq On : 27 Jan 2020 14:15
 Operator : JC/MD
 Sample : VN0127WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0127WBSD01

Manual Integrations
 APPROVED

MMDadoda
 1/28/2020 9:24:41 AM

Quant Time: Jan 27 16:03:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 18 03:09:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	220726	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	340304	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	310865	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	174704	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	128277	52.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.66%	
35) Dibromofluoromethane	7.56	113	108549	53.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.98%	
50) Toluene-d8	10.08	98	406025	51.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.28%	
62) 4-Bromofluorobenzene	12.40	95	147808	52.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	50752	19.180	ug/l	99
3) Chloromethane	2.04	50	47617	18.843	ug/l	97
4) Vinyl Chloride	2.17	62	61448	21.252	ug/l	98
5) Bromomethane	2.54	94	37139	21.048	ug/l	99
6) Chloroethane	2.68	64	28461	20.806	ug/l	100
7) Trichlorofluoromethane	3.00	101	74457	21.443	ug/l	99
8) Diethyl Ether	3.38	74	26718	21.925	ug/l	81
9) 1,1,2-Trichlorotrifluoroet	3.74	101	41961	21.712	ug/l	92
10) Methyl Iodide	3.93	142	61172	19.582	ug/l	96
11) Tert butyl alcohol	4.73	59	41569	100.737	ug/l	98
12) 1,1-Dichloroethene	3.72	96	41305	20.454	ug/l	88
13) Acrolein	3.58	56	24352	83.367	ug/l	92
14) Allyl chloride	4.29	41	55153	20.263	ug/l #	84
15) Acrylonitrile	4.94	53	98426	104.565	ug/l	99
16) Acetone	3.78	43	93803	106.451	ug/l	98
17) Carbon Disulfide	4.03	76	102841	17.877	ug/l	99
18) Methyl Acetate	4.29	43	61050	21.322	ug/l	92
19) Methyl tert-butyl Ether	5.00	73	141459	21.485	ug/l	97
20) Methylene Chloride	4.52	84	47671	20.738	ug/l	88
21) trans-1,2-Dichloroethene	5.01	96	43556	20.291	ug/l	85
22) Diisopropyl ether	5.91	45	127265	20.632	ug/l #	92
23) Vinyl Acetate	5.86	43	491037	102.817	ug/l #	95
24) 1,1-Dichloroethane	5.82	63	78138	20.732	ug/l	98
25) 2-Butanone	6.80	43	132941	95.771	ug/l	92
26) 2,2-Dichloropropane	6.80	77	74323	20.512	ug/l	81
27) cis-1,2-Dichloroethene	6.80	96	52144	21.120	ug/l	88
28) Bromochloromethane	7.17	49	28265	18.763	ug/l #	71
29) Tetrahydrofuran	7.18	42	84755	98.684	ug/l #	86
30) Chloroform	7.34	83	82420	21.105	ug/l	100
31) Cyclohexane	7.63	56	67994	18.748	ug/l #	87
32) 1,1,1-Trichloroethane	7.54	97	75961	21.037	ug/l	96
36) 1,1-Dichloropropene	7.77	75	59948	20.229	ug/l	96
37) Ethyl Acetate	6.90	43	56316	20.261	ug/l	97
38) Carbon Tetrachloride	7.75	117	68238	21.168	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	71235	19.495	ug/l	92
40) Benzene	8.02	78	178699	20.219	ug/l	99
41) Methacrylonitrile	7.14	41	25246m	18.440	ug/l	
42) 1,2-Dichloroethane	8.10	62	63643	21.238	ug/l	96
43) Isopropyl Acetate	8.14	43	96050	20.091	ug/l #	95
44) Trichloroethene	8.82	130	52180	21.627	ug/l	94
45) 1,2-Dichloropropane	9.10	63	45463	20.788	ug/l	99
46) Dibromomethane	9.19	93	32508	21.072	ug/l	91
47) Bromodichloromethane	9.38	83	66480	21.384	ug/l	98
48) Methyl methacrylate	9.18	41	40721	19.042	ug/l	87
49) 1,4-Dioxane	9.18	88	16984	433.846	ug/l	88
51) 4-Methyl-2-Pentanone	9.97	43	276294	99.974	ug/l	96
52) Toluene	10.14	92	117340	21.019	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	72161	20.788	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	77450	21.205	ug/l	93
55) 1,1,2-Trichloroethane	10.55	97	46902	21.213	ug/l	95
56) Ethyl methacrylate	10.42	69	67844	20.081	ug/l	91
57) 1,3-Dichloropropane	10.70	76	74335	21.176	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.68	63	113297	111.337	ug/l #	89
59) 2-Hexanone	10.74	43	199640	98.055	ug/l	95
60) Dibromochloromethane	10.89	129	55198	21.923	ug/l	99
61) 1,2-Dibromoethane	10.99	107	49227	21.242	ug/l	98
64) Tetrachloroethene	10.62	164	55098	21.747	ug/l	95
65) Chlorobenzene	11.43	112	127359	20.844	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	51463	21.798	ug/l	98
67) Ethyl Benzene	11.50	91	228942	20.640	ug/l	97
68) m/p-Xylenes	11.62	106	172596	41.194	ug/l	94
69) o-Xylene	11.94	106	84899	20.697	ug/l	97
70) Styrene	11.96	104	141642	20.636	ug/l #	90
71) Bromoform	12.12	173	41455	21.920	ug/l #	99
73) Isopropylbenzene	12.24	105	231096	18.037	ug/l	100
74) N-amyl acetate	12.06	43	82664	16.627	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.50	83	65326	17.587	ug/l	96
76) 1,2,3-Trichloropropane	12.55	75	64346m	21.886	ug/l	
77) Bromobenzene	12.52	156	495495	152.710	ug/l #	1
78) n-propylbenzene	12.59	91	259965	18.077	ug/l	97
79) 2-Chlorotoluene	12.67	91	152244	17.795	ug/l	85
80) 1,3,5-Trimethylbenzene	12.73	105	199727	18.535	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	23584	17.226	ug/l	92
82) 4-Chlorotoluene	12.77	91	155504	18.122	ug/l	91
83) tert-Butylbenzene	12.99	119	169077	18.142	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	193387	18.141	ug/l	99
85) sec-Butylbenzene	13.17	105	221805	18.115	ug/l	99
86) p-Isopropyltoluene	13.28	119	201211	17.760	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	103727	18.404	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	102962	18.312	ug/l	97
89) n-Butylbenzene	13.61	91	175125	18.129	ug/l	98
90) Hexachloroethane	13.87	117	37061	17.484	ug/l	90
91) 1,2-Dichlorobenzene	13.65	146	101662	18.245	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.26	75	16073	18.860	ug/l	87

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ClientSampleId :
VN0127WBSD01

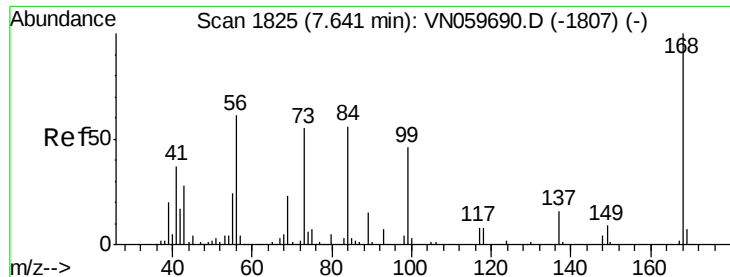
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	66166	19.762	ug/l	98
94) Hexachlorobutadiene	15.01	225	33324	18.062	ug/l	99
95) Naphthalene	15.13	128	350779	36.834	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	63530	19.494	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN059870.D

Acq: 27 Jan 2020 14:15

Instrument :

MSVOA_N

ClientSampleId :

VN0127WBSD01

Tot Ion:168 Resp: 220726

Ion Ratio Lower Upper

168 100

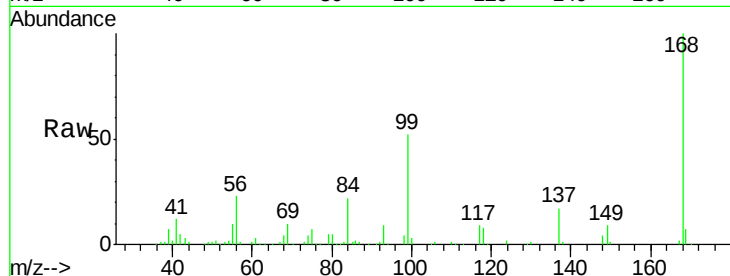
99 52.1 48.2 72.4

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

7.64

100000

80000

60000

40000

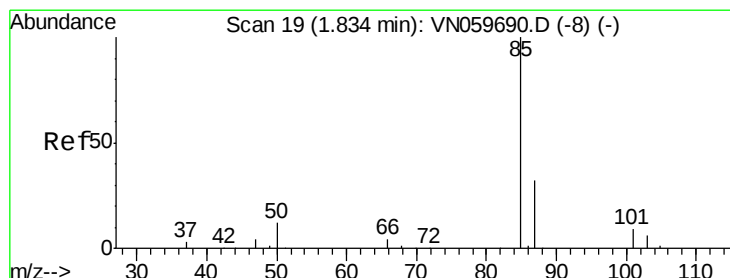
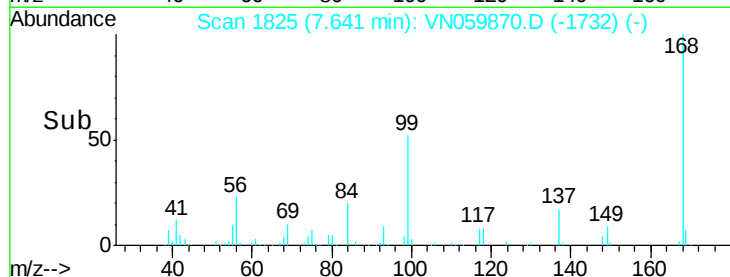
20000

0

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 19.180 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059870.D

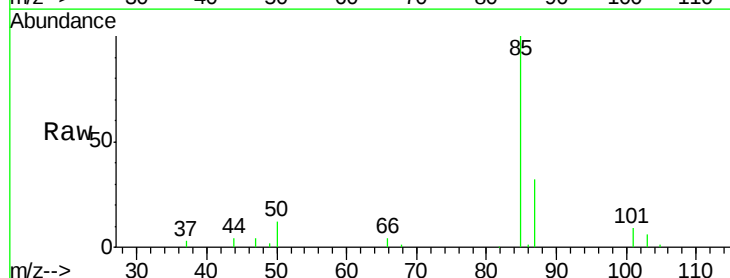
Acq: 27 Jan 2020 14:15

Tgt Ion: 85 Resp: 50752

Ion Ratio Lower Upper

85 100

87 32.3 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

40000

30000

20000

10000

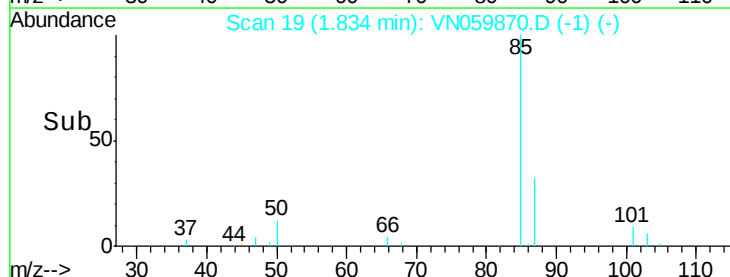
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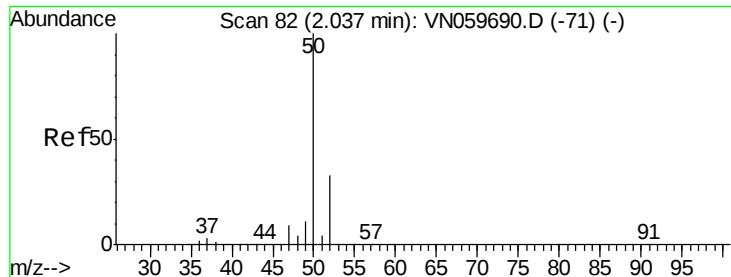
1.80

1.85

1.90

Time-->





#3

Chloromethane

Concen: 18.843 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN059870.D

Acq: 27 Jan 2020 14:15

Instrument :

MSVOA_N

ClientSampleId :

VN0127WBSD01

Tot Ion: 50 Resp: 47617

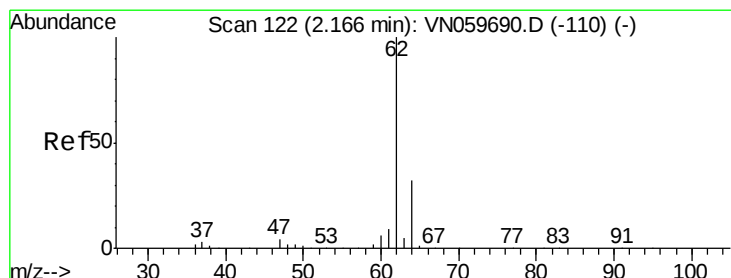
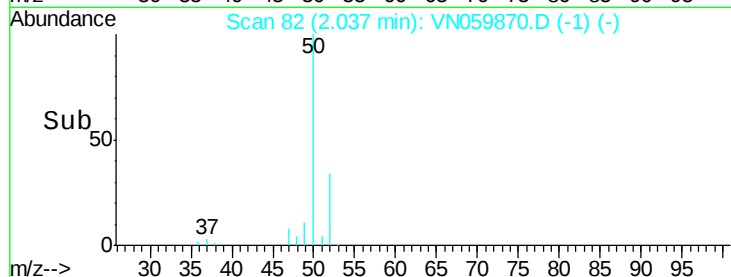
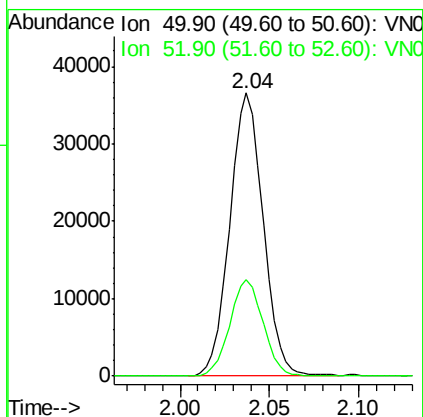
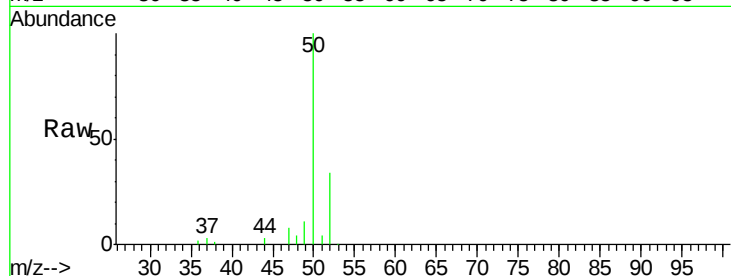
Ion Ratio Lower Upper

50 100

52 34.3 25.9 38.9

Manual Integrations
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#4

Vinyl Chloride

Concen: 21.252 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN059870.D

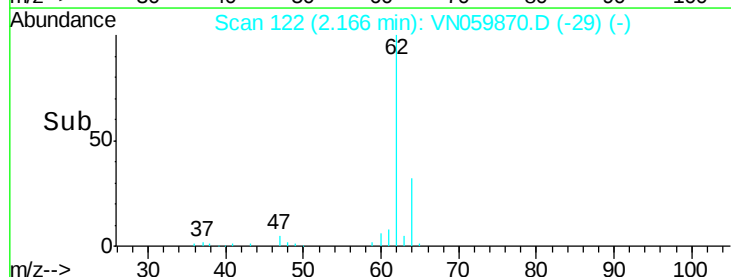
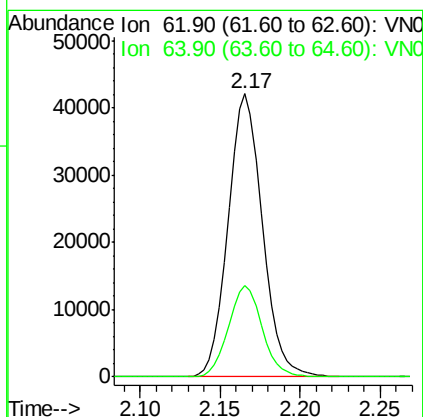
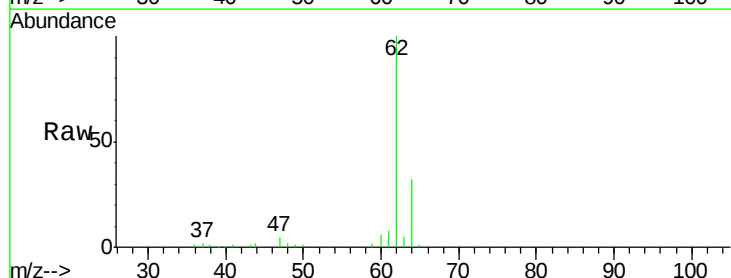
Acq: 27 Jan 2020 14:15

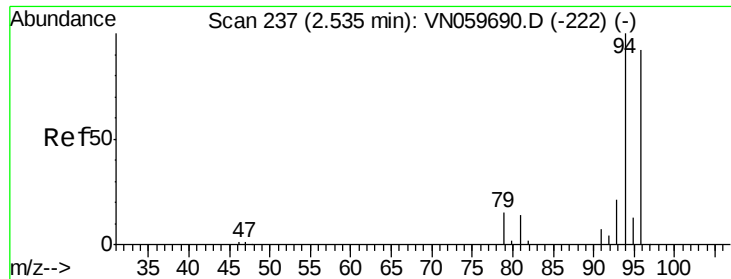
Tgt Ion: 62 Resp: 61448

Ion Ratio Lower Upper

62 100

64 32.1 24.6 37.0





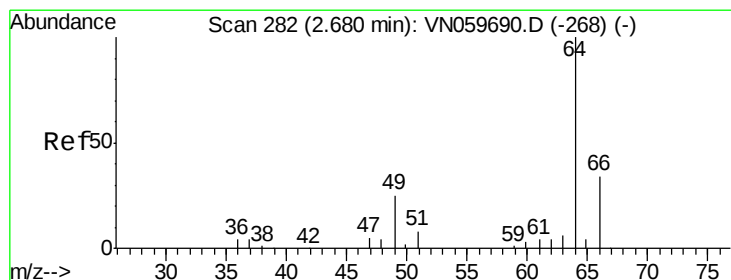
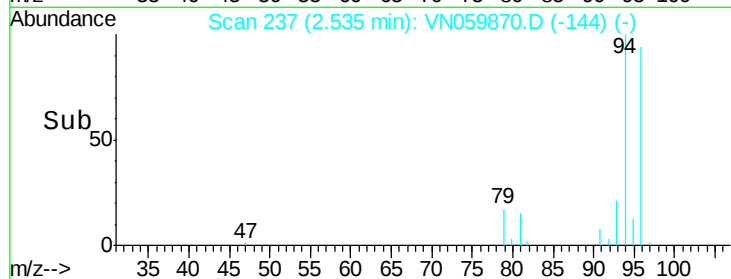
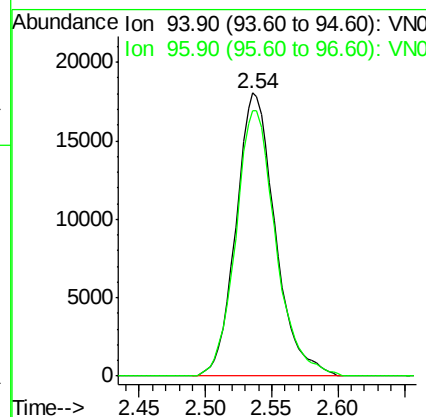
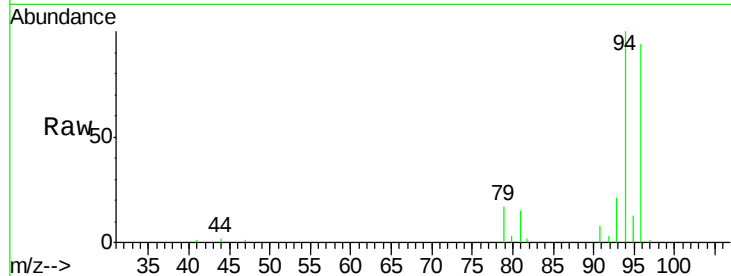
#5
Bromomethane
Concen: 21.048 ug/l
RT: 2.54 min Scan# 237
Delta R.T. 0.00 min
Lab File: VN059870.D
Acq: 27 Jan 2020 14:15

Instrument :
MSVOA_N
ClientSampleId :
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Tot Ion: 94 Resp: 37139
Ion Ratio Lower Upper
94 100
96 94.0 74.7 112.1

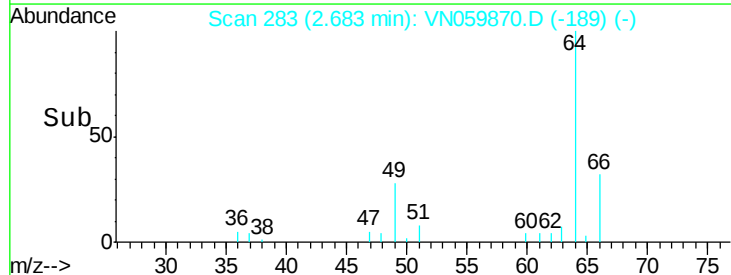
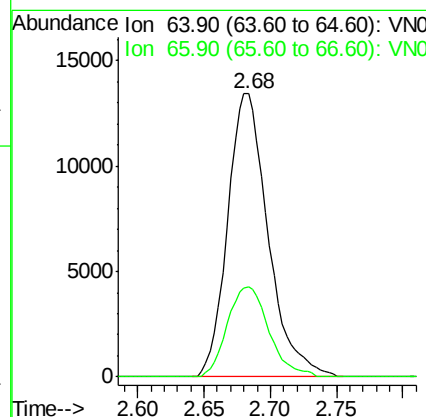
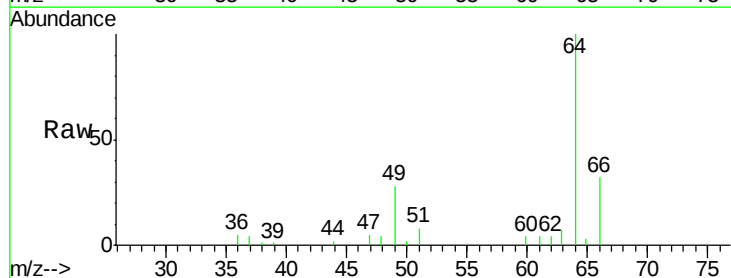
Manual Integrations
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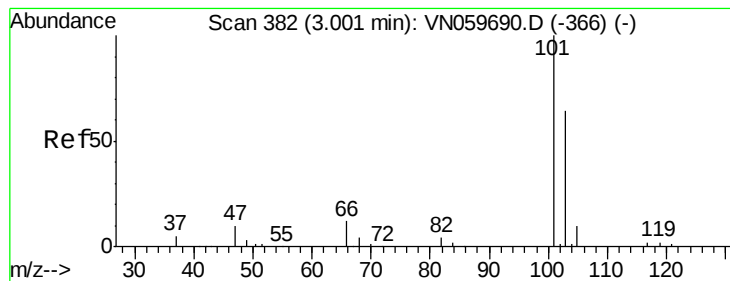
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#6
Chloroethane
Concen: 20.806 ug/l
RT: 2.68 min Scan# 283
Delta R.T. 0.00 min
Lab File: VN059870.D
Acq: 27 Jan 2020 14:15

Tgt Ion: 64 Resp: 28461
Ion Ratio Lower Upper
64 100
66 31.7 25.1 37.7





#7

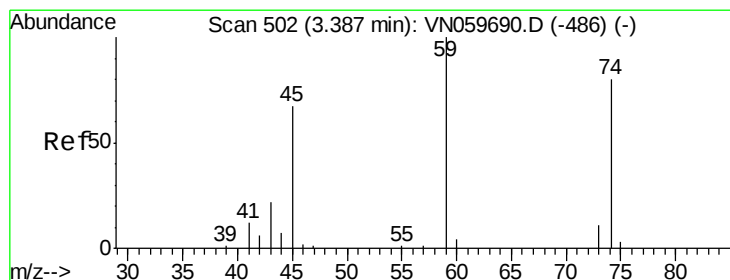
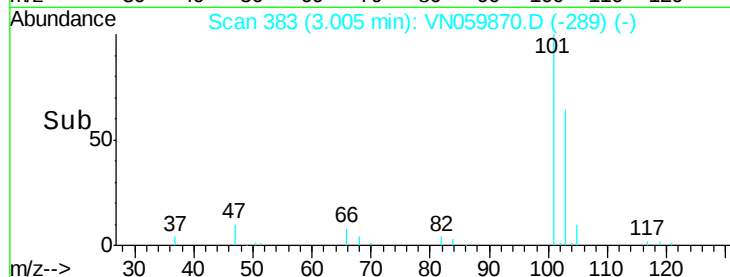
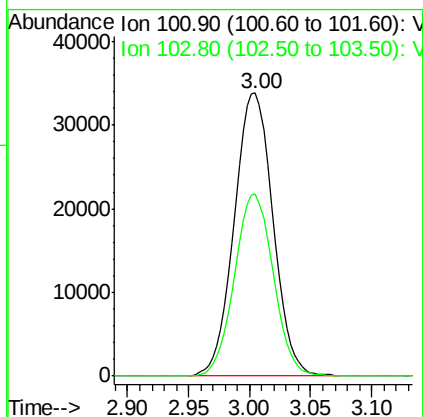
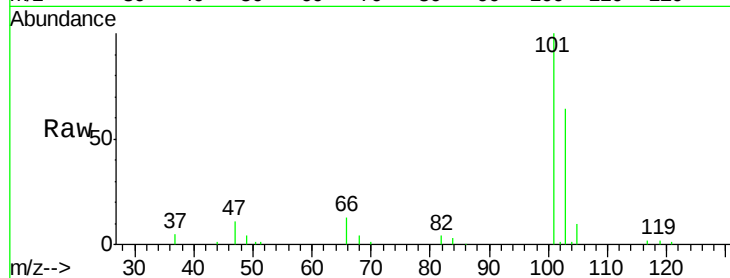
Trichlorofluoromethane
Concen: 21.443 ug/l
RT: 3.00 min Scan# 383
Delta R.T. 0.00 min
Lab File: VN059870.D
Acq: 27 Jan 2020 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0127WBSD01

Tot Ion:101 Resp: 74457
Ion Ratio Lower Upper
101 100
103 64.2 51.0 76.6

Manual Integrations
APPROVED

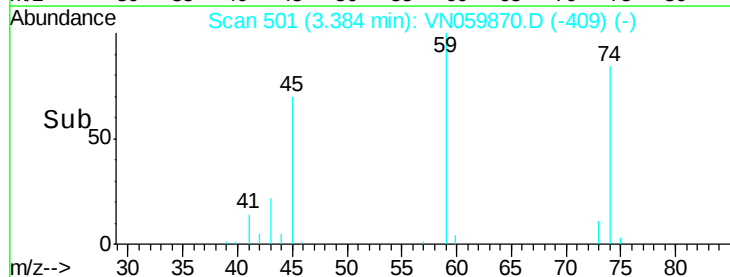
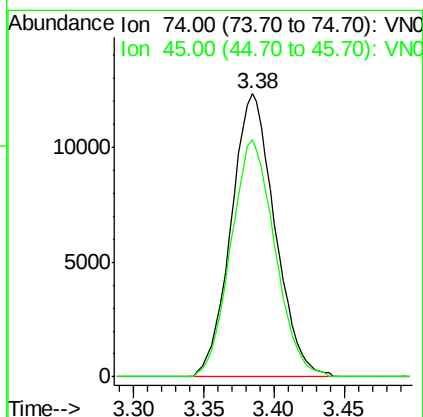
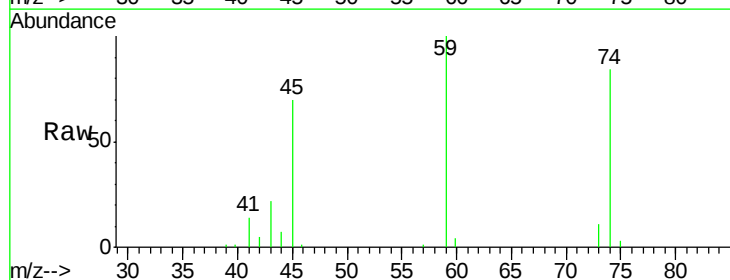
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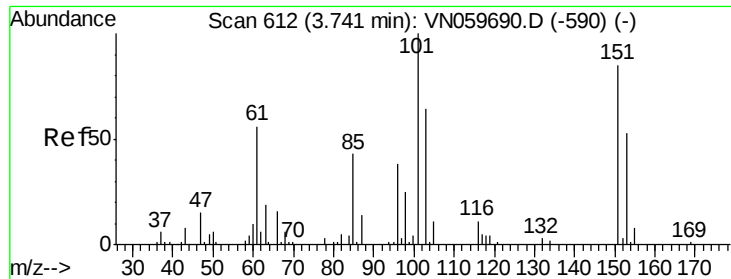


#8

Diethyl Ether
Concen: 21.925 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.00 min
Lab File: VN059870.D
Acq: 27 Jan 2020 14:15

Tgt Ion: 74 Resp: 26718
Ion Ratio Lower Upper
74 100
45 84.3 51.9 155.8





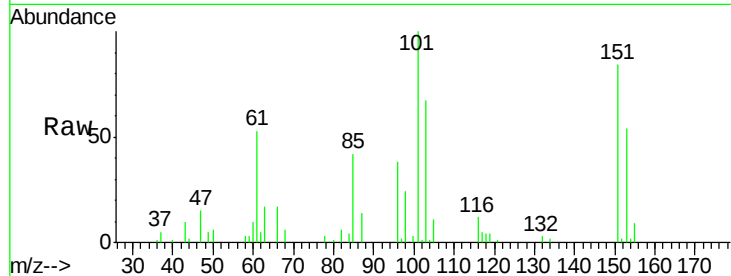
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 21.712 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VN059870.D
 Acq: 27 Jan 2020 14:15

Instrument :
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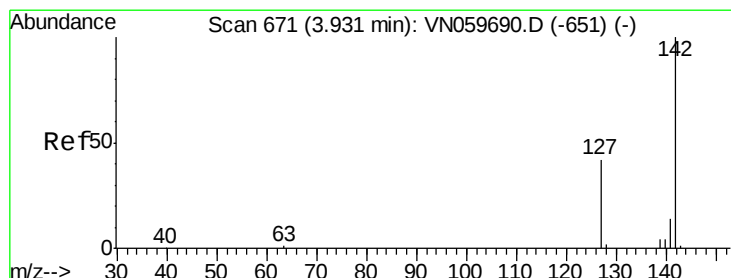
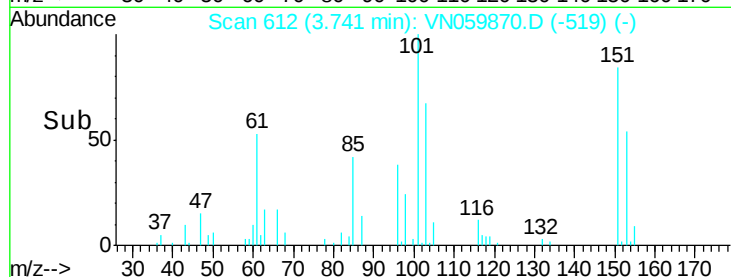
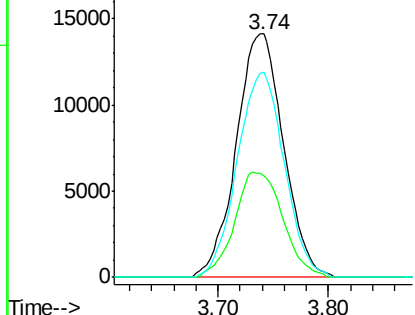
Tot Ion	Ratio	Lower	Upper
101	100		
85	43.9	36.6	54.8
151	83.8	59.7	89.5

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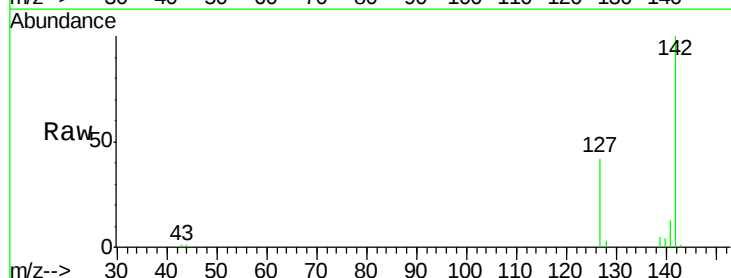


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): V
 Ion 150.80 (150.50 to 151.50): V

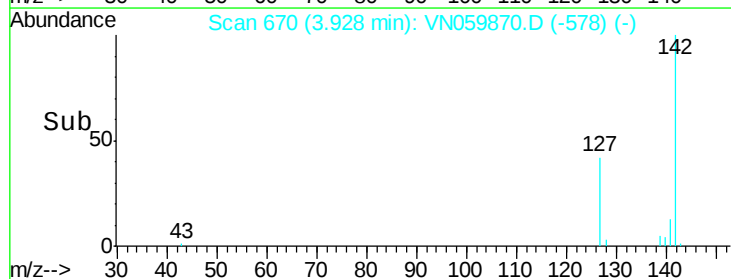
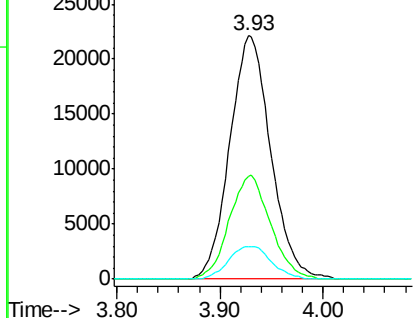


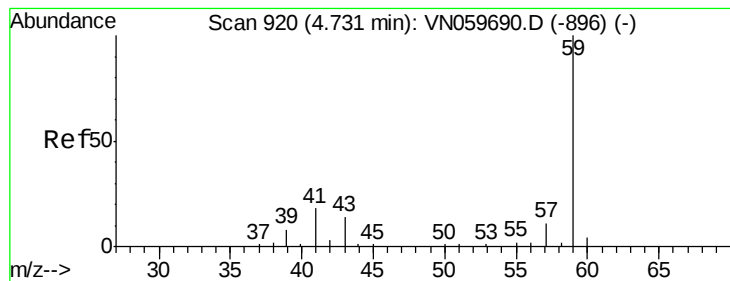
#10
 Methyl Iodide
 Concen: 19.582 ug/l
 RT: 3.93 min Scan# 670
 Delta R.T. -0.00 min
 Lab File: VN059870.D
 Acq: 27 Jan 2020 14:15

Tgt Ion	Ratio	Lower	Upper
142	100		
127	42.7	36.7	55.1
141	14.1	11.7	17.5



Abundance Ion 141.80 (141.50 to 142.50): V
 Ion 126.80 (126.50 to 127.50): V
 Ion 140.80 (140.50 to 141.50): V





#11

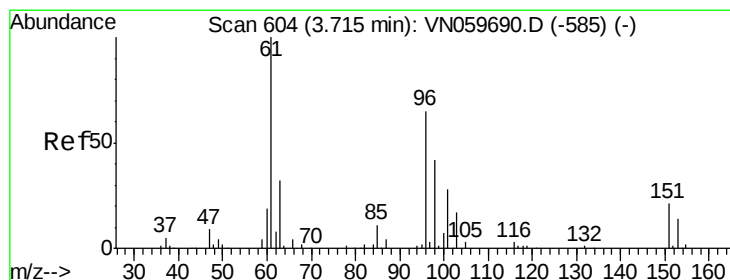
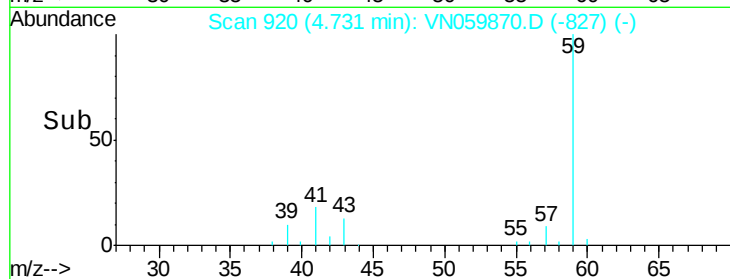
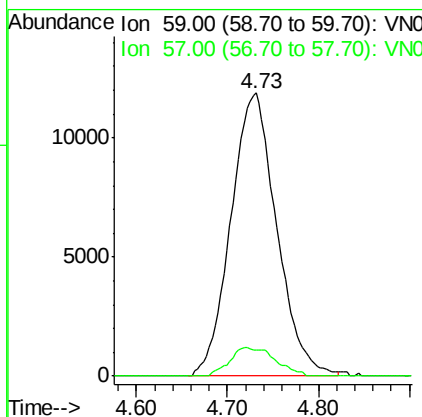
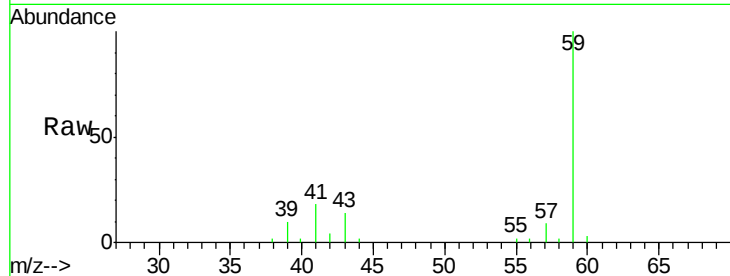
Tert butyl alcohol
 Concen: 100.737 ug/l
 RT: 4.73 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VN059870.D
 Acq: 27 Jan 2020 14:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0127WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.6	12.8

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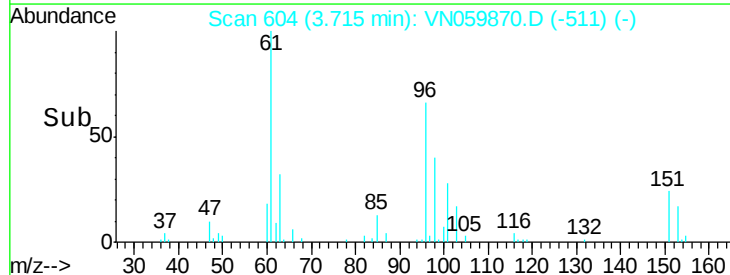
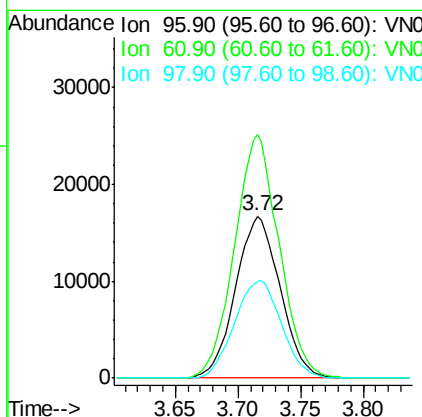
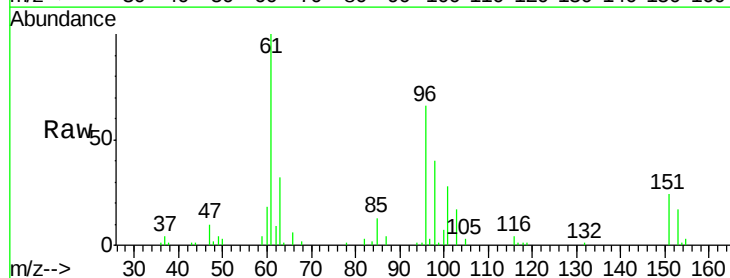
MMDadoda
 1/28/2020 9:24:41 AM

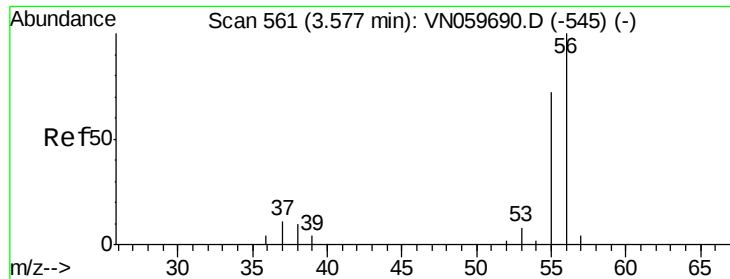


#12

1,1-Dichloroethene
 Concen: 20.454 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN059870.D
 Acq: 27 Jan 2020 14:15

Tgt Ion	Ratio	Lower	Upper
96	100		
61	150.6	137.5	206.3
98	59.5	50.2	75.4





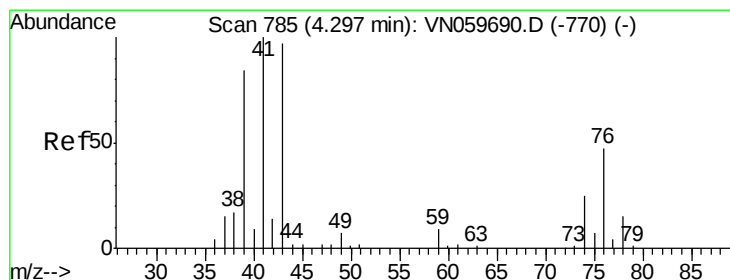
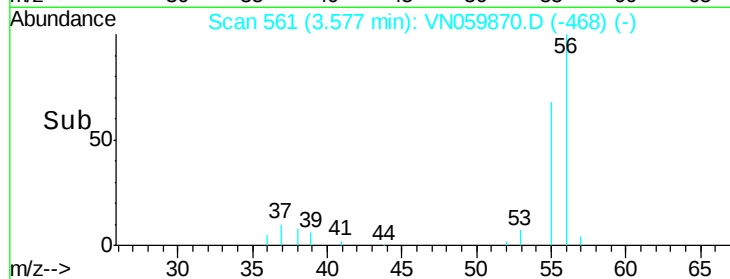
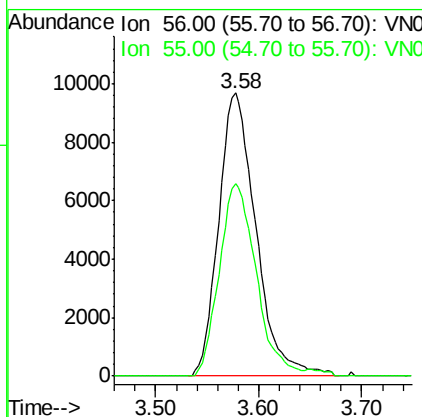
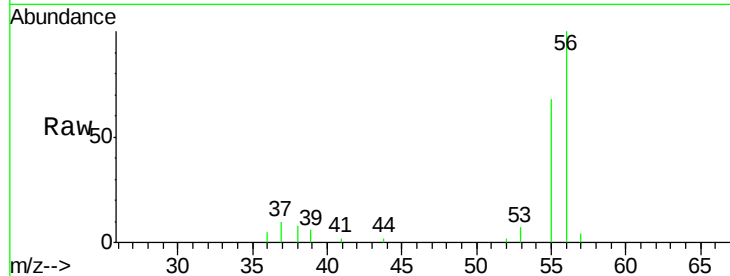
#13
Acrolein
Concen: 83.367 ug/l
RT: 3.58 min Scan# 561
Delta R.T. 0.00 min
Lab File: VN059870.D
Acq: 27 Jan 2020 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0127WBSD01

Tot Ion: 56 Resp: 24352
Ion Ratio Lower Upper
56 100
55 67.0 58.6 88.0

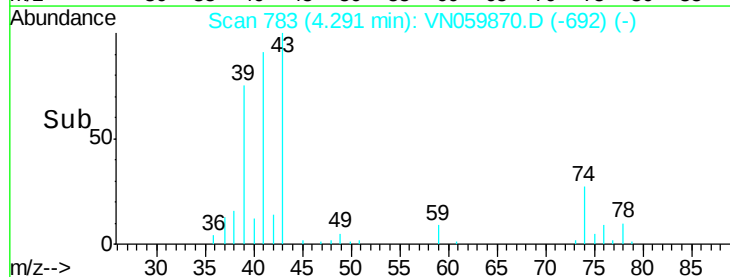
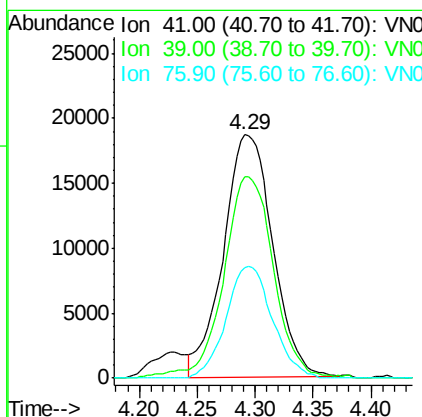
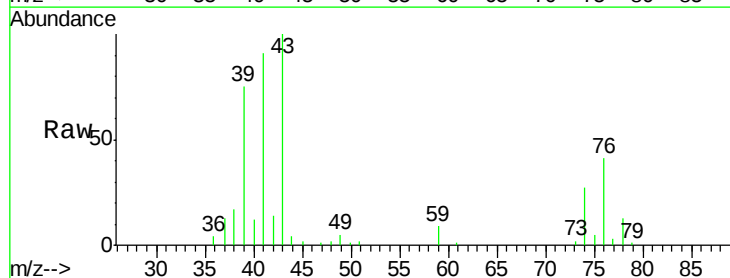
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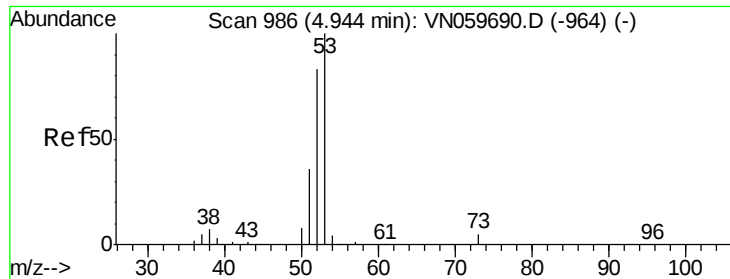
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#14
Allyl chloride
Concen: 20.263 ug/l
RT: 4.29 min Scan# 783
Delta R.T. -0.01 min
Lab File: VN059870.D
Acq: 27 Jan 2020 14:15

Tgt Ion: 41 Resp: 55153
Ion Ratio Lower Upper
41 100
39 84.1 57.8 86.8
76 43.3 25.4 38.0#





#15

Acrylonitrile

Concen: 104.565 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN059870.D

Acq: 27 Jan 2020 14:15

Instrument :

MSVOA_N

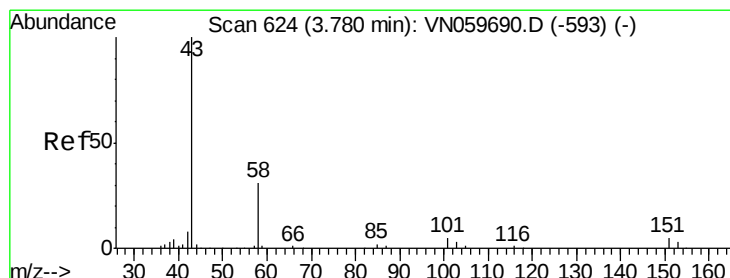
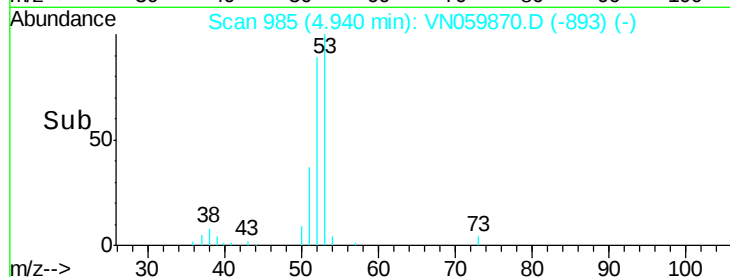
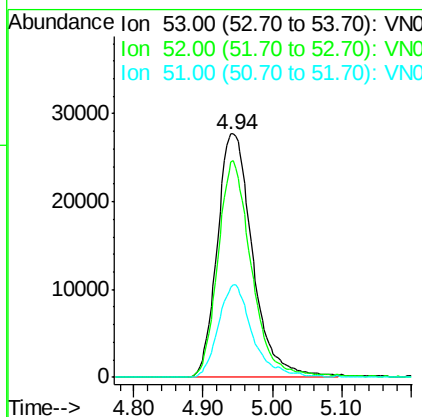
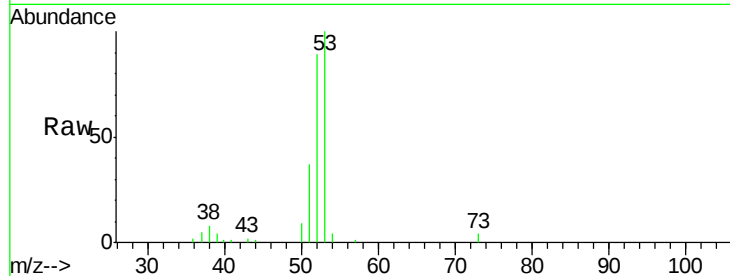
ClientSampleId :

VN0127WBSD01

Tot Ion:	53	Resp:	98426
Ion	Ratio	Lower	Upper
53	100		
52	83.7	66.3	99.5
51	36.9	29.7	44.5

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#16

Acetone

Concen: 106.451 ug/l

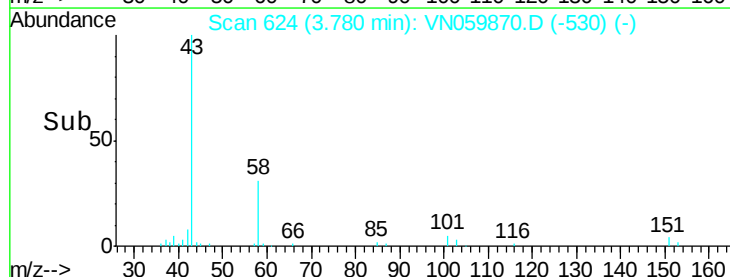
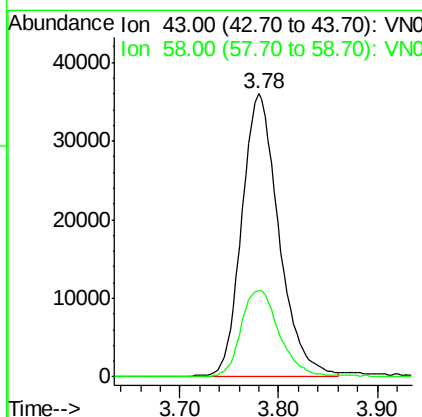
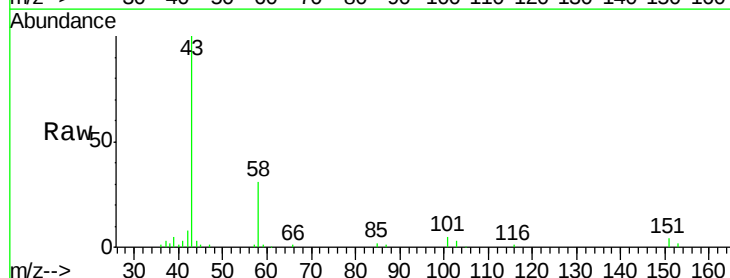
RT: 3.78 min Scan# 624

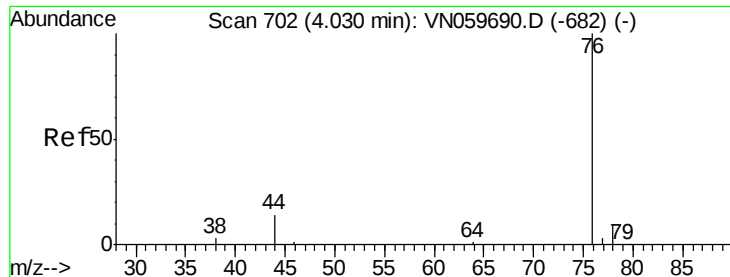
Delta R.T. 0.00 min

Lab File: VN059870.D

Acq: 27 Jan 2020 14:15

Tgt Ion:	43	Resp:	93803
Ion	Ratio	Lower	Upper
43	100		
58	30.7	23.6	35.4





#17

Carbon Disulfide

Concen: 17.877 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN059870.D

Acq: 27 Jan 2020 14:15

Tot Ion: 76 Resp: 102841

Ion Ratio Lower Upper

76 100

78 9.7 7.4 11.0

Instrument :

MSVOA_N

ClientSampleId :

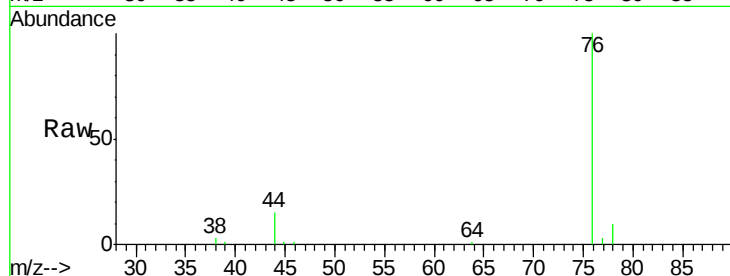
VN0127WBSD01

Manual Integrations

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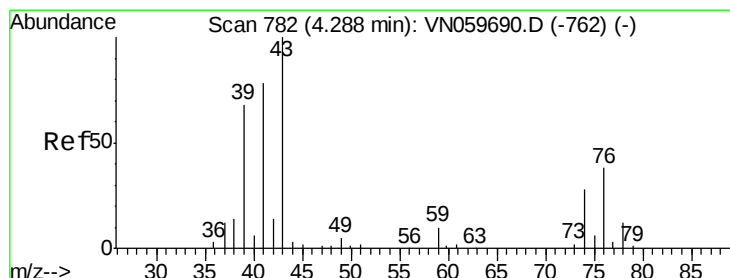
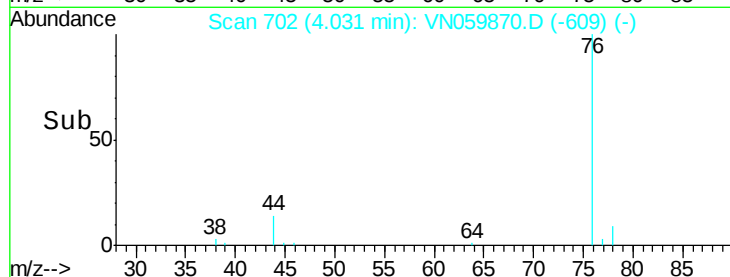
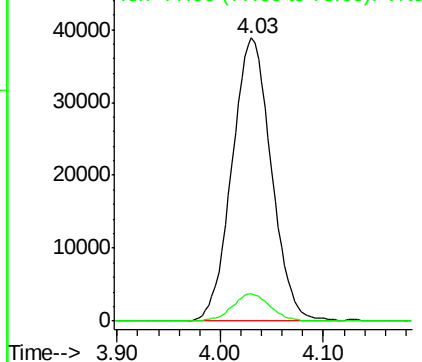
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Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC



#18

Methyl Acetate

Concen: 21.322 ug/l

RT: 4.29 min Scan# 782

Delta R.T. 0.00 min

Lab File: VN059870.D

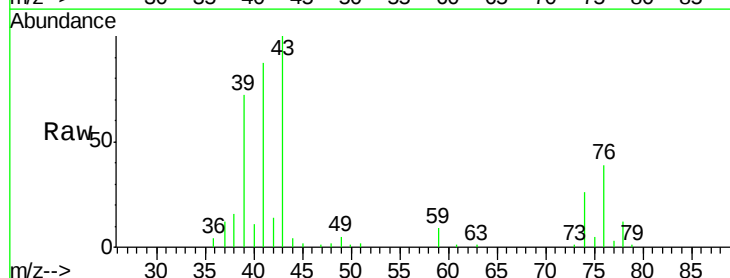
Acq: 27 Jan 2020 14:15

Tgt Ion: 43 Resp: 61050

Ion Ratio Lower Upper

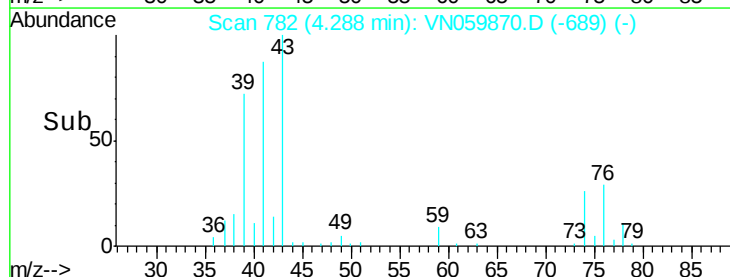
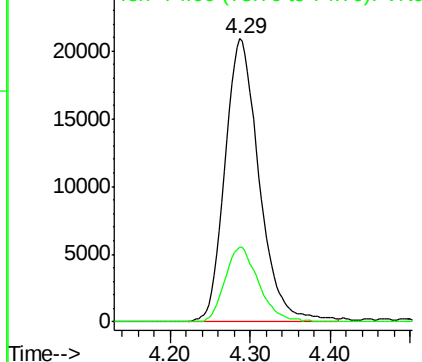
43 100

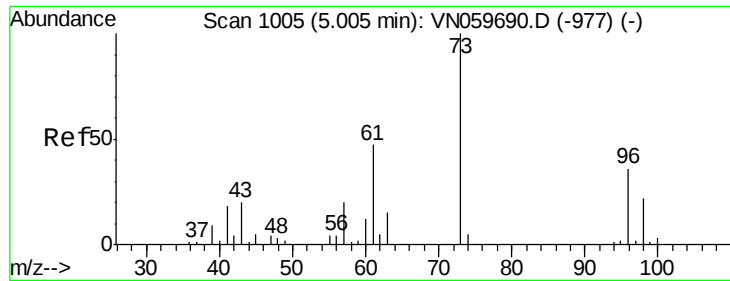
74 25.8 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 74.00 (73.70 to 74.70): VNC





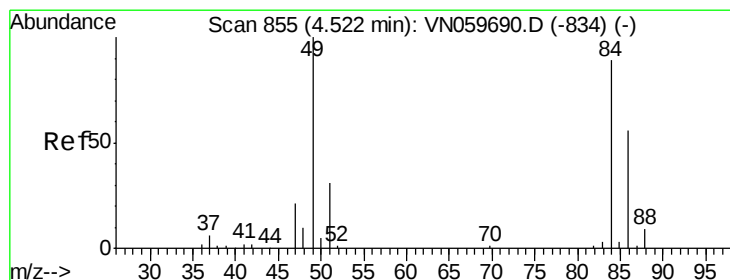
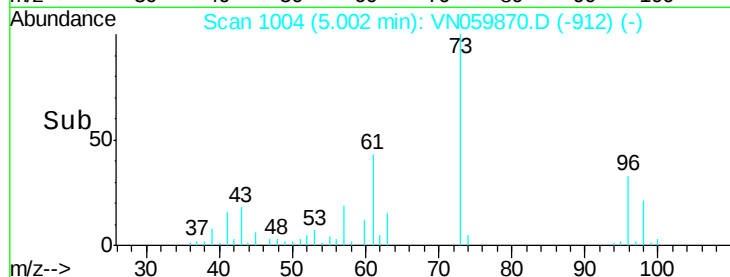
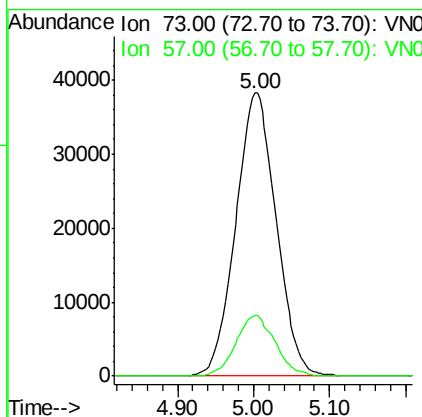
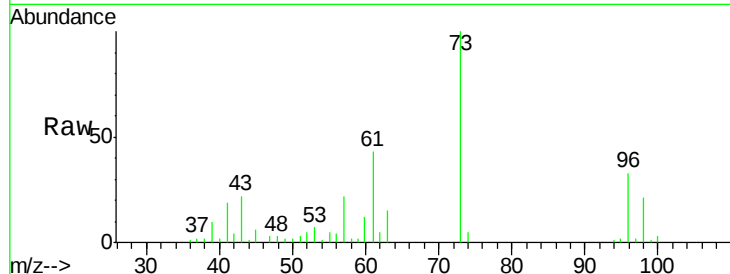
#19
Methvl tert-butvl Ether
Concen: 21.485 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN059870.D
Acq: 27 Jan 2020 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0127WBSD01

Tot Ion: 73 Resp: 141459
Ion Ratio Lower Upper
73 100
57 21.5 18.6 27.8

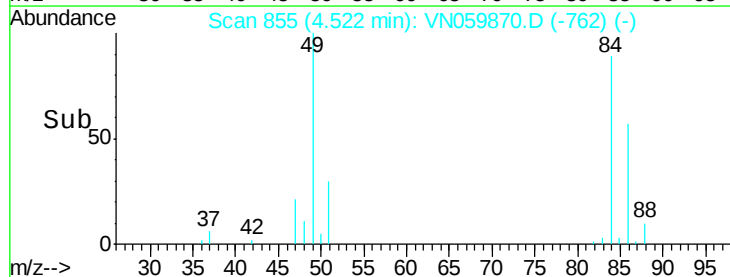
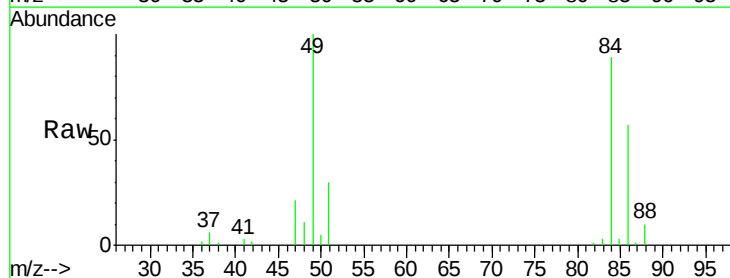
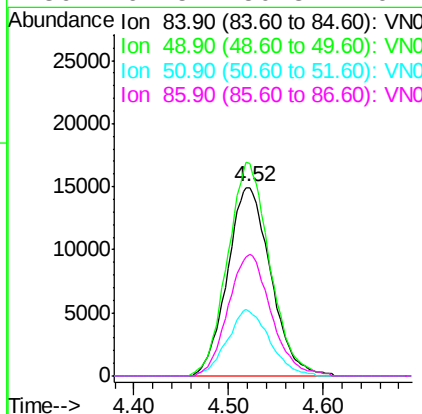
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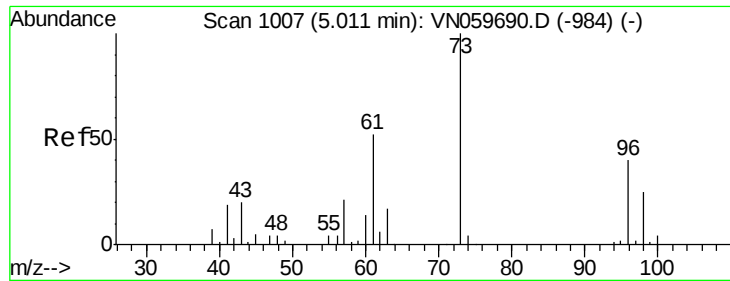
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#20
Methylene Chloride
Concen: 20.738 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN059870.D
Acq: 27 Jan 2020 14:15

Tgt Ion: 84 Resp: 47671
Ion Ratio Lower Upper
84 100
49 112.7 106.6 160.0
51 33.8 31.9 47.9
86 64.5 50.8 76.2





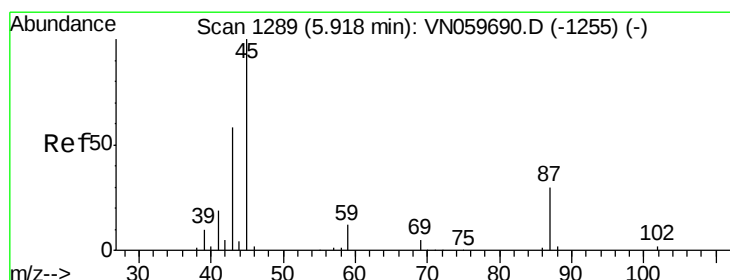
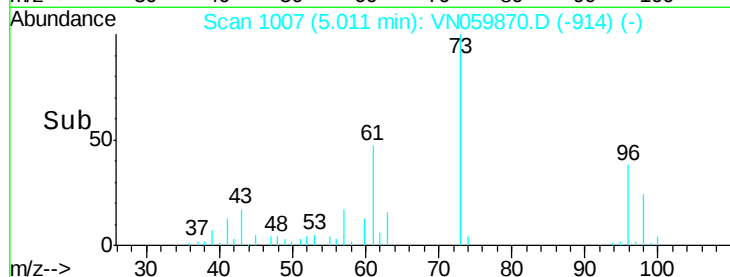
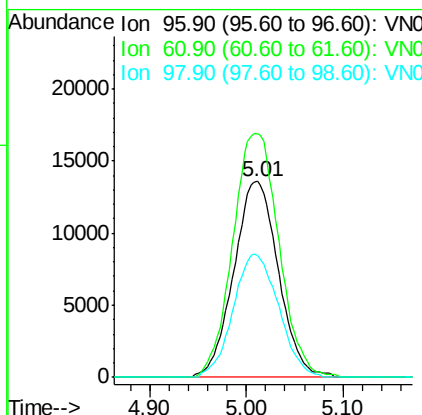
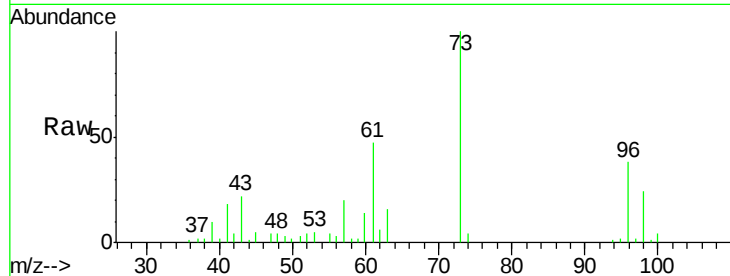
#21
trans-1,2-Dichloroethene
Concen: 20.291 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. 0.00 min
Lab File: VN059870.D
Acq: 27 Jan 2020 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0127WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	124.4	120.4	180.6
98	62.2	50.6	75.8

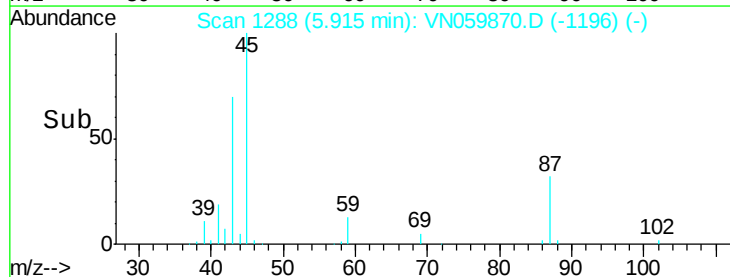
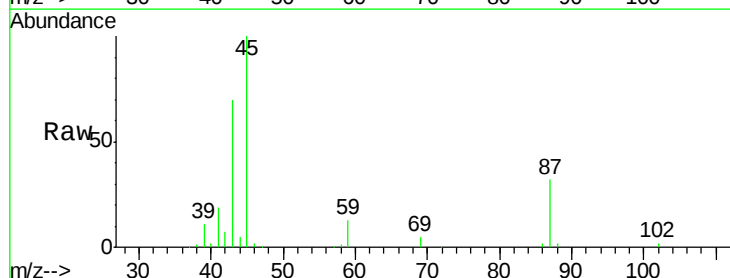
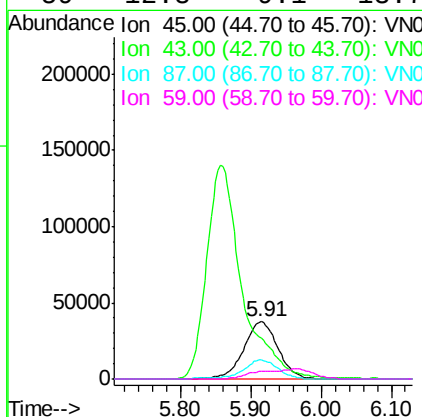
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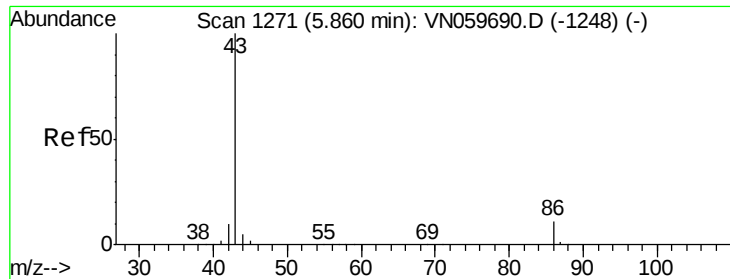
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#22
Diisopropyl ether
Concen: 20.632 ug/l
RT: 5.91 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VN059870.D
Acq: 27 Jan 2020 14:15

Tgt Ion	Ratio	Lower	Upper
45	100		
43	68.7	50.8	76.2
87	32.4	21.0	31.6#
59	12.8	9.1	13.7





#23

Vinyl Acetate

Concen: 102.817 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN059870.D

Acq: 27 Jan 2020 14:15

Instrument :

MSVOA_N

ClientSampleId :

VN0127WBSD01

Tot Ion: 43 Resp: 491037

Ion Ratio Lower Upper

43 100

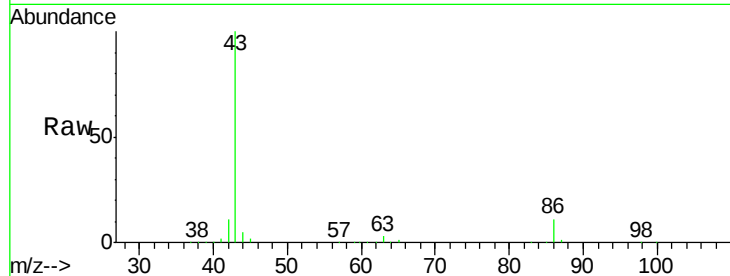
86 11.4 7.6 11.4#

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

150000

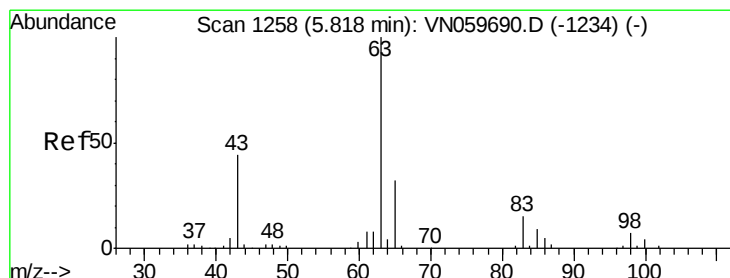
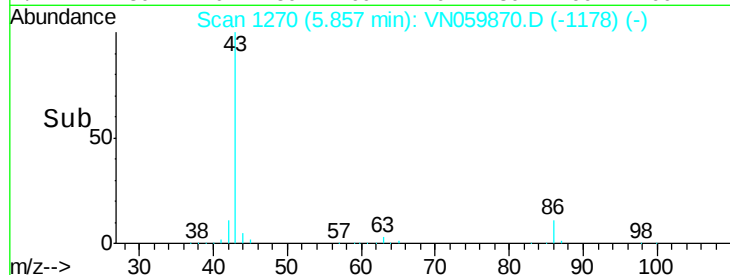
100000

50000

0

5.70 5.80 5.90 6.00 6.10

Time-->



#24

1,1-Dichloroethane

Concen: 20.732 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN059870.D

Acq: 27 Jan 2020 14:15

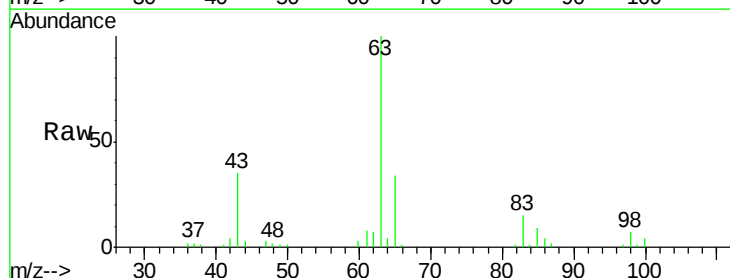
Tgt Ion: 63 Resp: 78138

Ion Ratio Lower Upper

63 100

98 6.6 2.9 8.7

100 3.9 2.0 6.0



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

30000

25000

20000

15000

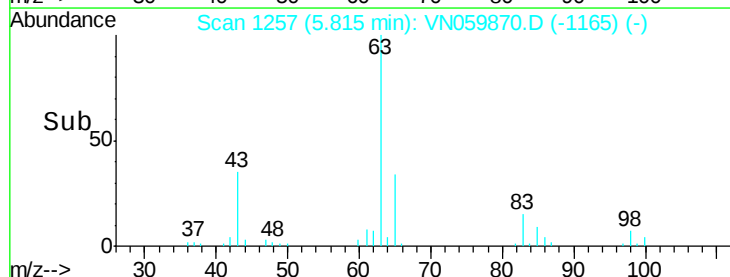
10000

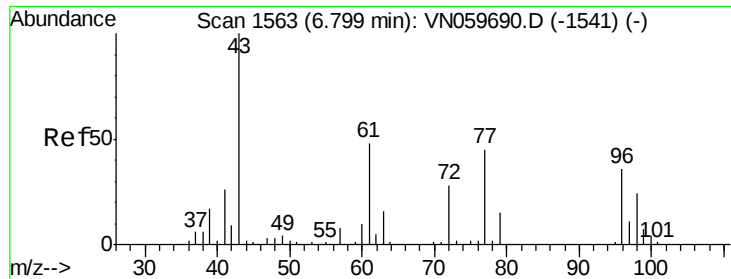
5000

0

5.70 5.80 5.90

Time-->





#25

2-Butanone

Concen: 95.771 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059870.D

Acq: 27 Jan 2020 14:15

Instrument :

MSVOA_N

ClientSampled :

VN0127WBSD01

Tot Ion: 43 Resp: 132941

Ion Ratio Lower Upper

43 100

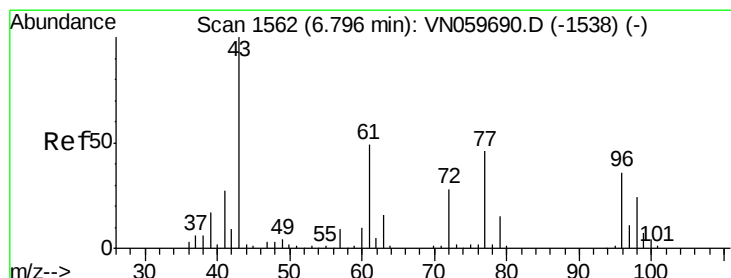
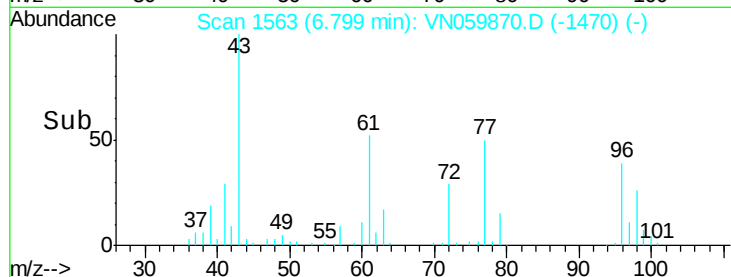
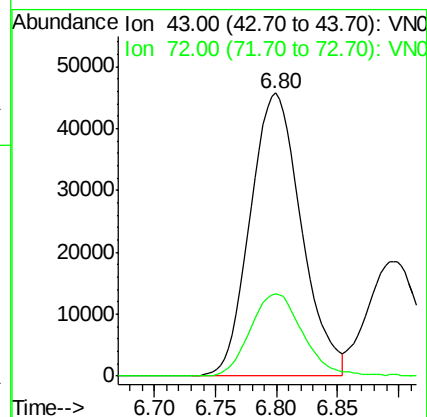
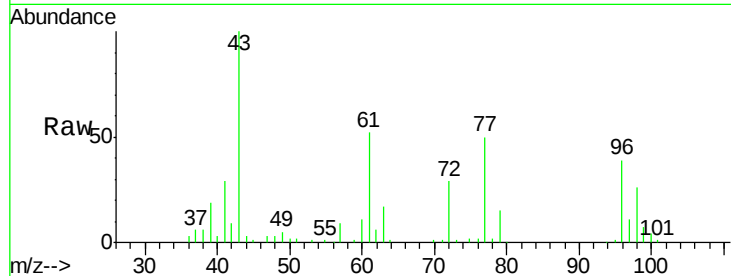
72 29.0 19.9 29.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 20.512 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VN059870.D

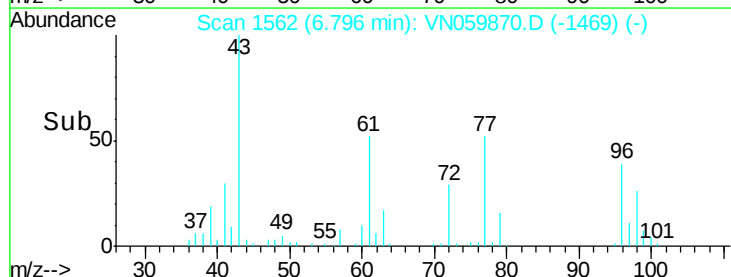
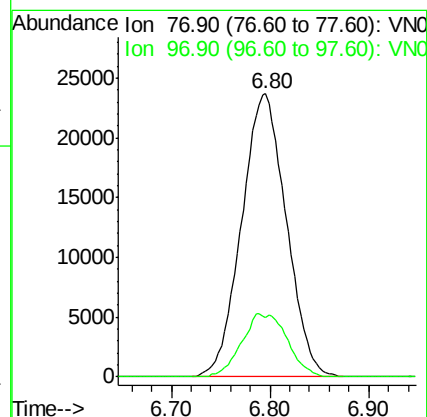
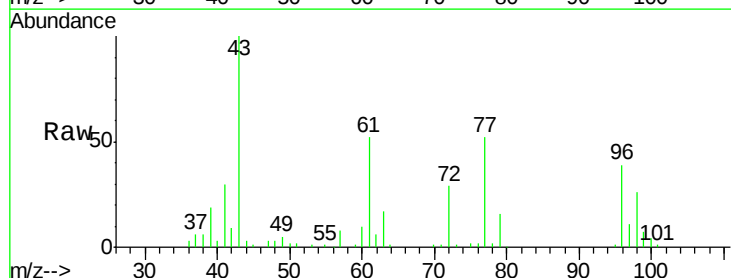
Acq: 27 Jan 2020 14:15

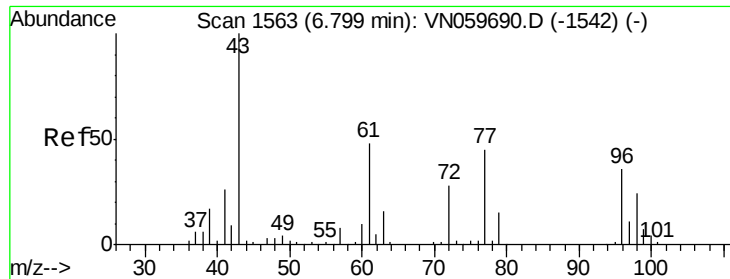
Tgt Ion: 77 Resp: 74323

Ion Ratio Lower Upper

77 100

97 12.4 10.7 31.9





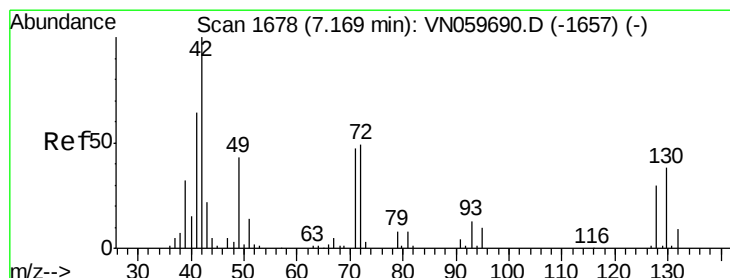
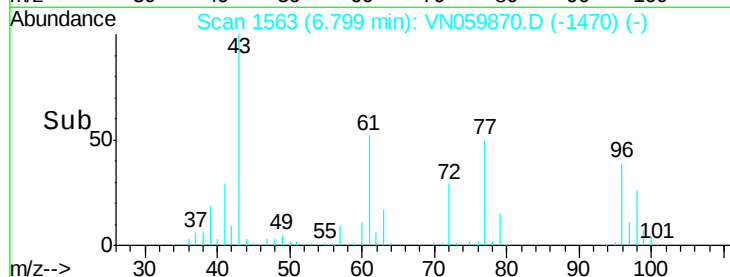
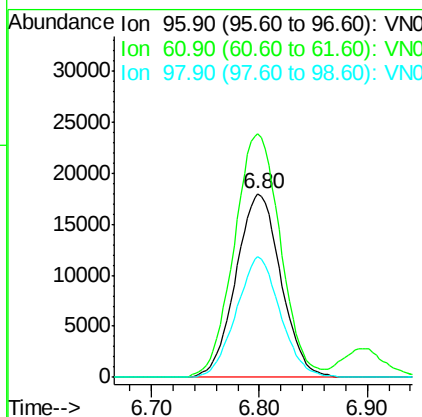
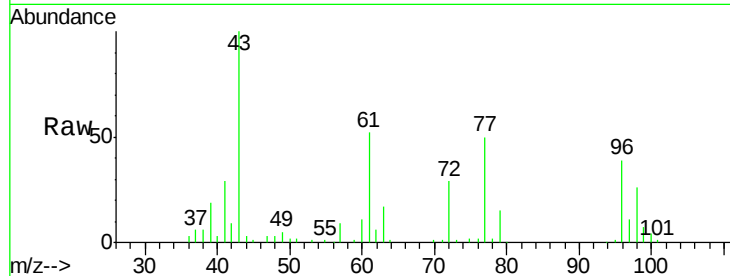
#27
 cis-1,2-Dichloroethene
 Concen: 21.120 ug/l
 RT: 6.80 min Scan# 1563
 Delta R.T. 0.00 min
 Lab File: VN059870.D
 Acq: 27 Jan 2020 14:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0127WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	136.8	0.0	317.6
98	64.1	0.0	127.0

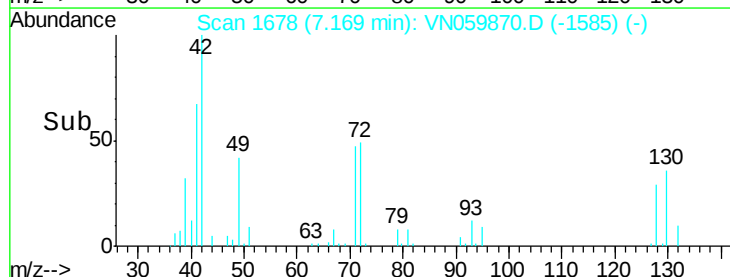
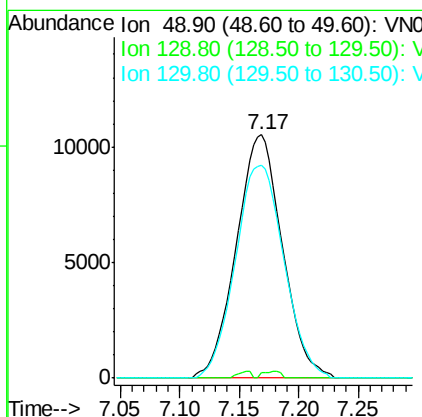
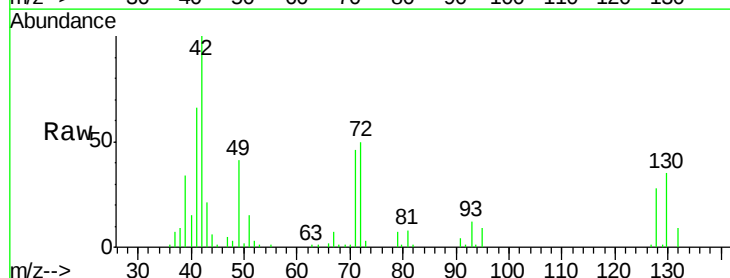
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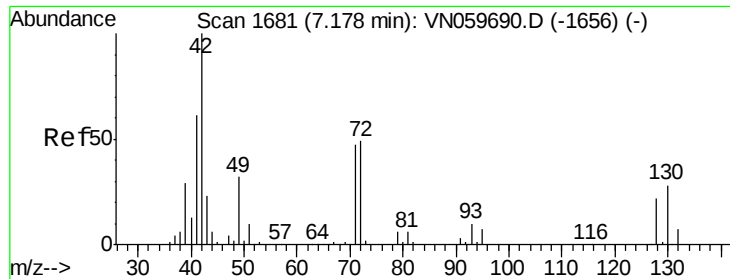
MMDadoda
 1/28/2020 9:24:41 AM



#28
 Bromochloromethane
 Concen: 18.763 ug/l
 RT: 7.17 min Scan# 1678
 Delta R.T. 0.00 min
 Lab File: VN059870.D
 Acq: 27 Jan 2020 14:15

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.8	0.0	3.4
130	92.2	54.7	82.1#





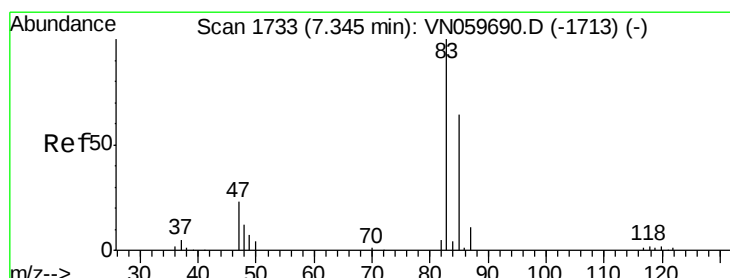
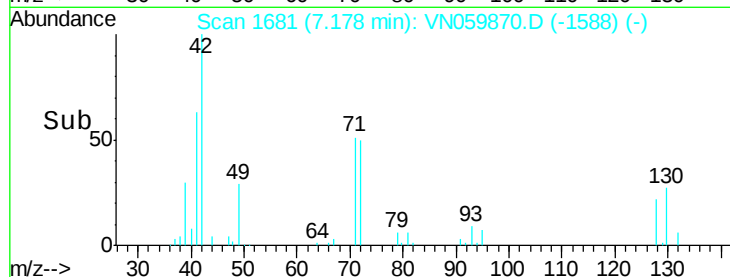
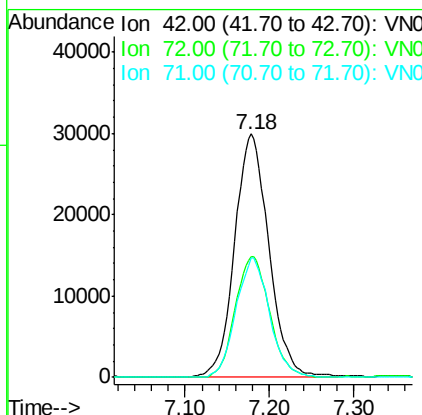
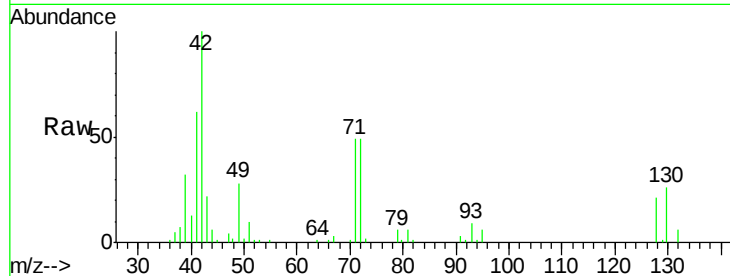
#29
Tetrahydrofuran
Concen: 98.684 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN059870.D
Acq: 27 Jan 2020 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0127WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.6	33.1	49.7
71	47.8	31.4	47.0

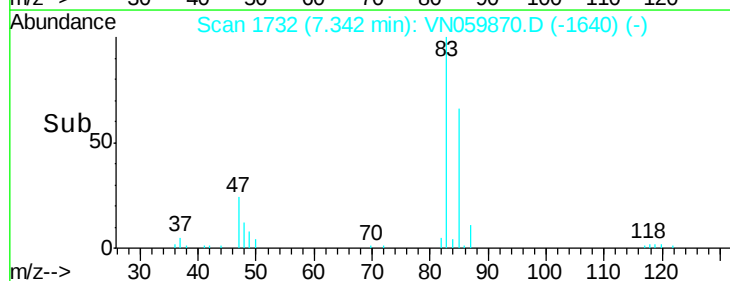
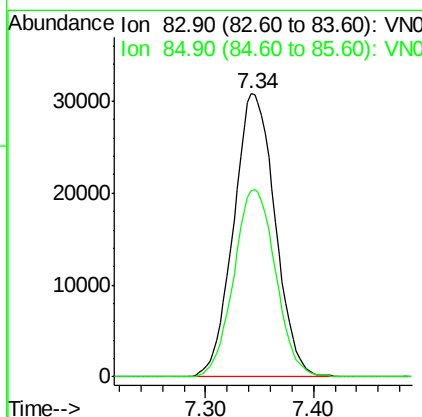
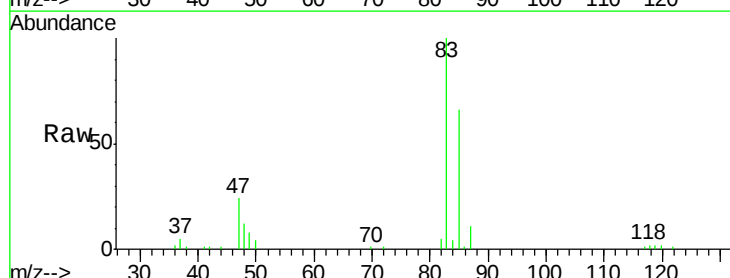
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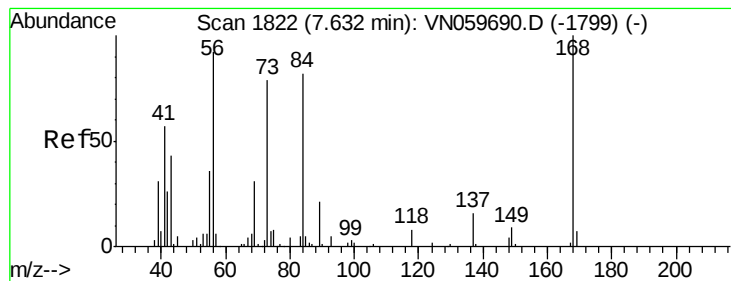
MMDadoda
1/28/2020 9:24:41 AM



#30
Chloroform
Concen: 21.105 ug/l
RT: 7.34 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VN059870.D
Acq: 27 Jan 2020 14:15

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	52.4	78.6





#31

Cyclohexane

Concen: 18.748 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VN059870.D

Acq: 27 Jan 2020 14:15

Instrument :

MSVOA_N

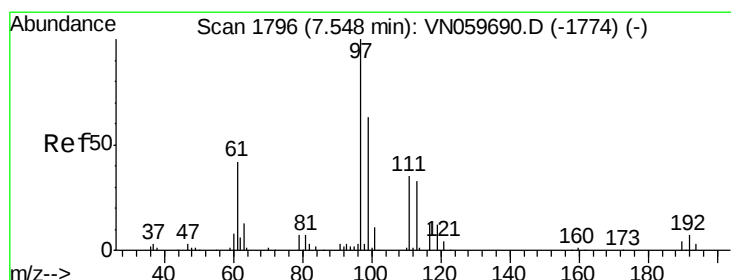
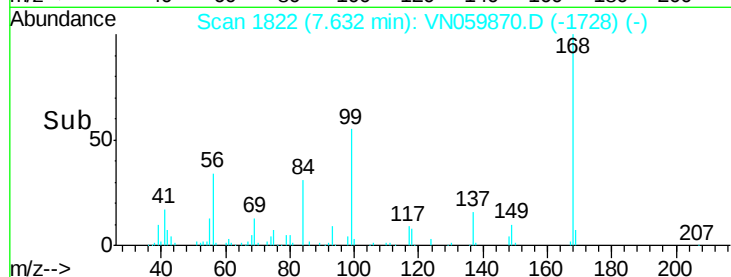
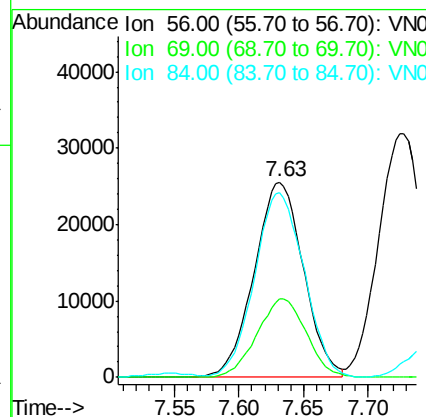
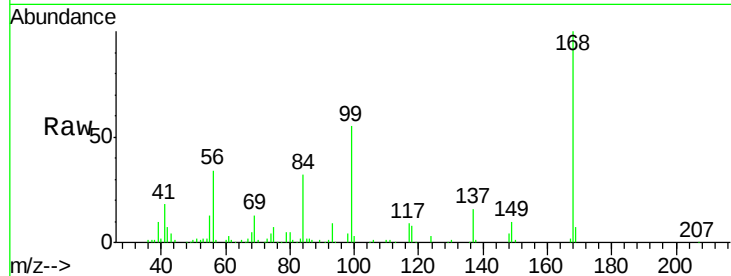
ClientSampleId :

VN0127WBSD01

Tot Ion:	56	Resp:	67994
Ion Ratio	Lower	Upper	
56	100		
69	40.1	26.5	39.7#
84	93.3	65.3	97.9

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#32

1,1,1-Trichloroethane

Concen: 21.037 ug/l

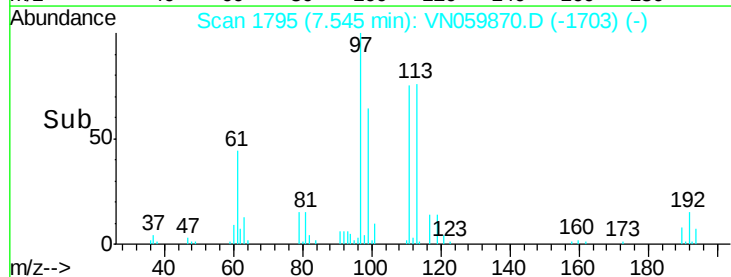
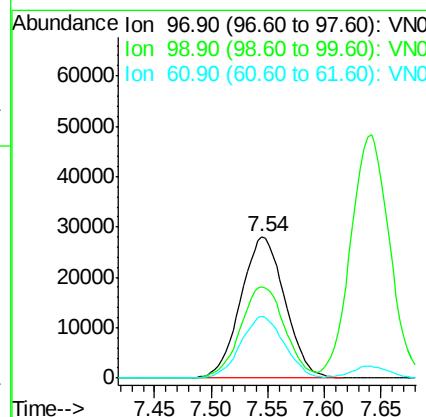
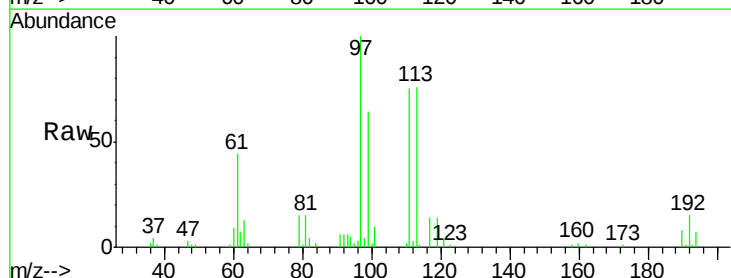
RT: 7.54 min Scan# 1795

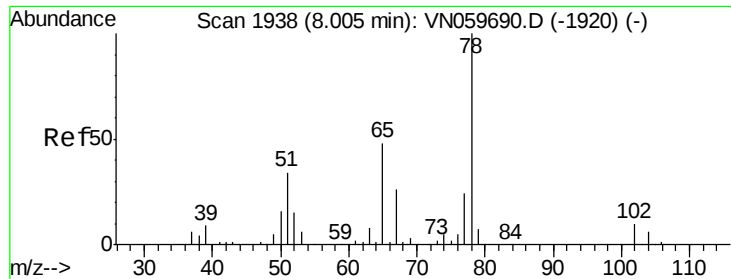
Delta R.T. -0.00 min

Lab File: VN059870.D

Acq: 27 Jan 2020 14:15

Tgt Ion:	97	Resp:	75961
Ion Ratio	Lower	Upper	
97	100		
99	65.1	51.0	76.4
61	43.0	38.5	57.7





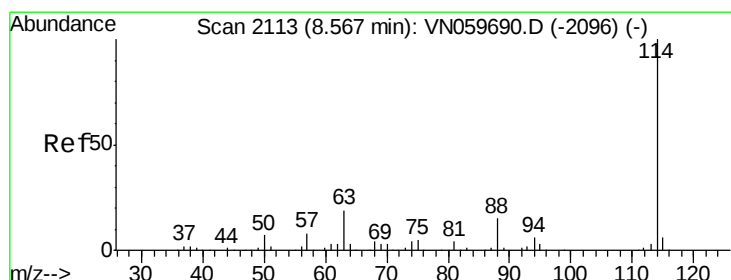
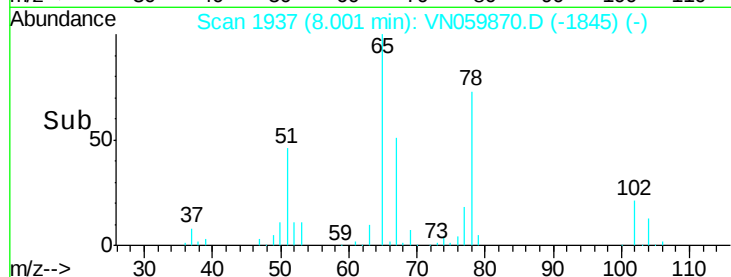
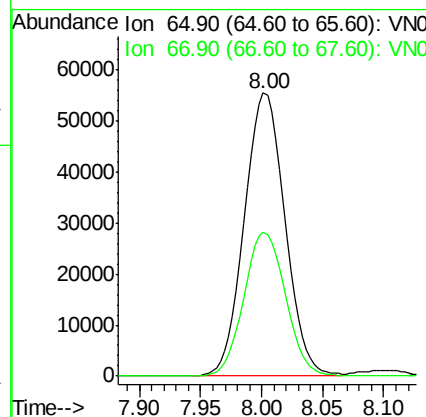
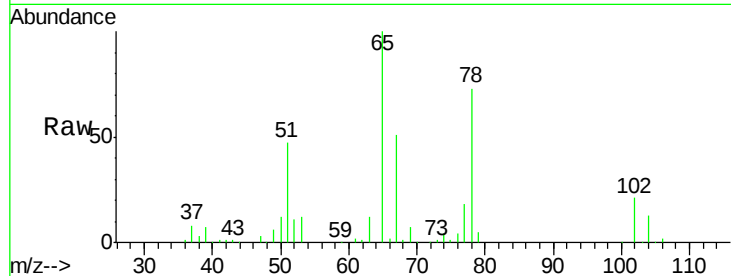
#33
 1,2-Dichloroethane-d4
 Concen: 52.332 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN059870.D
 Acq: 27 Jan 2020 14:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0127WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	128277		
67	51.9	0.0	103.0	

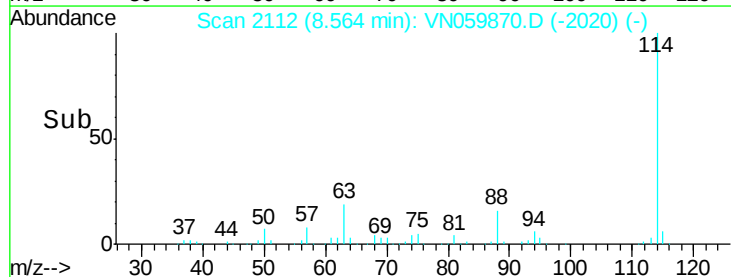
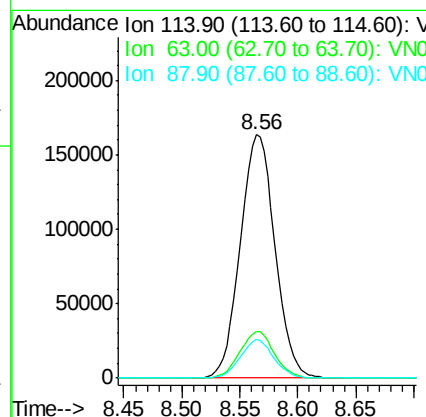
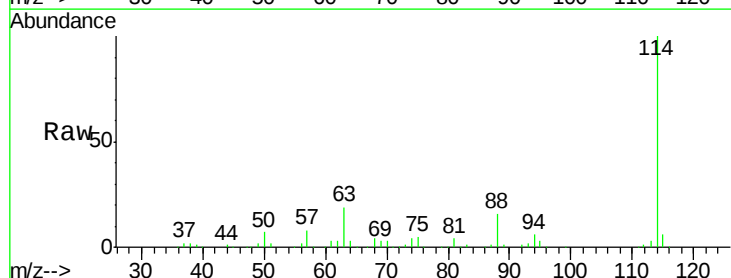
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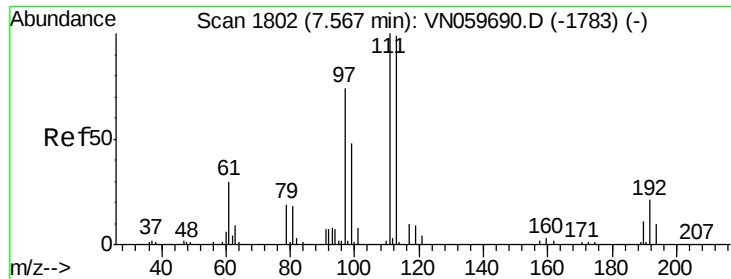
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 1/28/2020 9:24:41 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN059870.D
 Acq: 27 Jan 2020 14:15

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	340304		
63	19.3	0.0	43.6	
88	15.8	0.0	31.4	





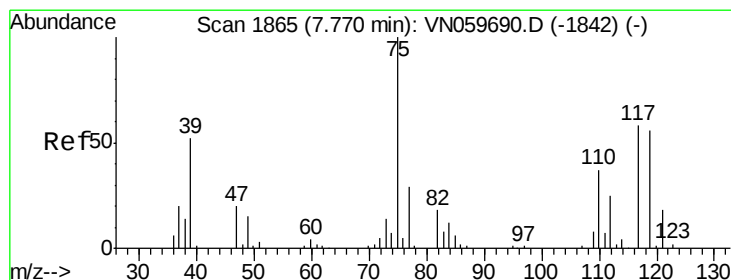
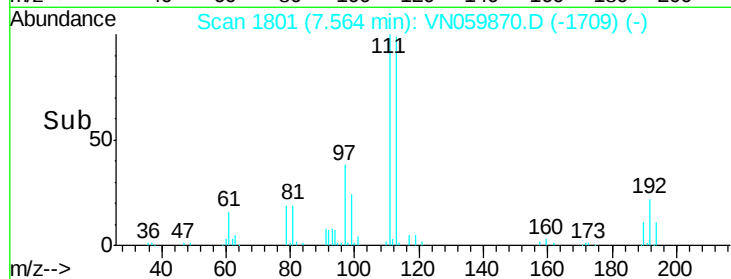
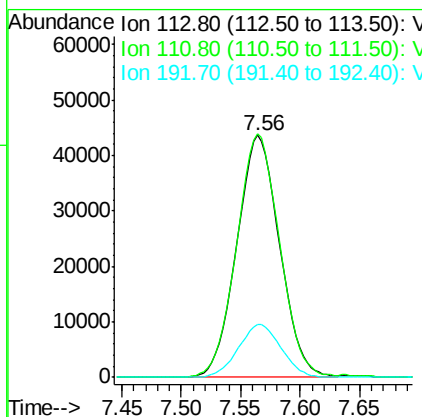
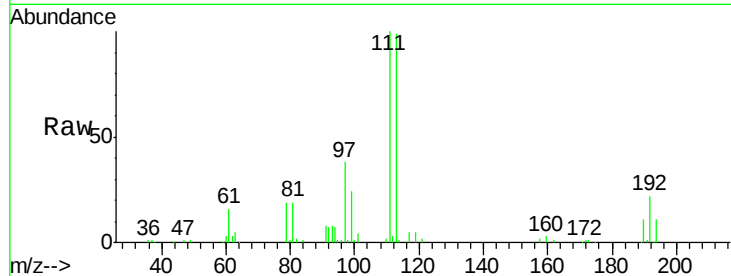
#35
 Dibromofluoromethane
 Concen: 53.489 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN059870.D
 Acq: 27 Jan 2020 14:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0127WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	108549		
111	101.2	83.5	125.3	
192	21.9	15.4	23.2	

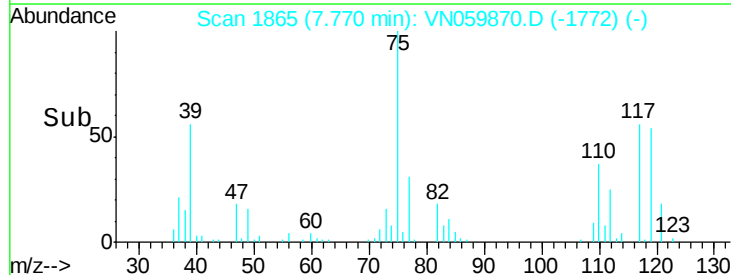
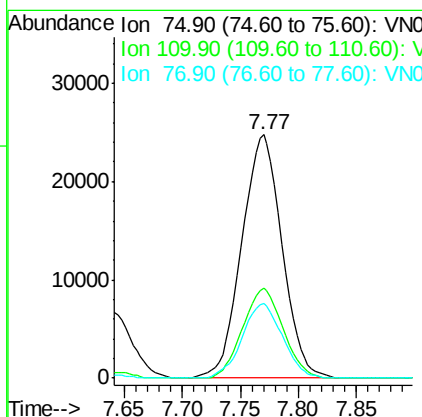
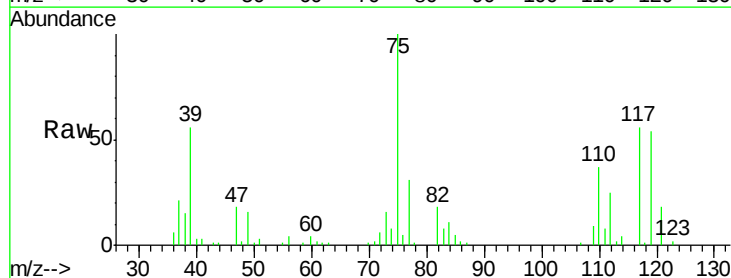
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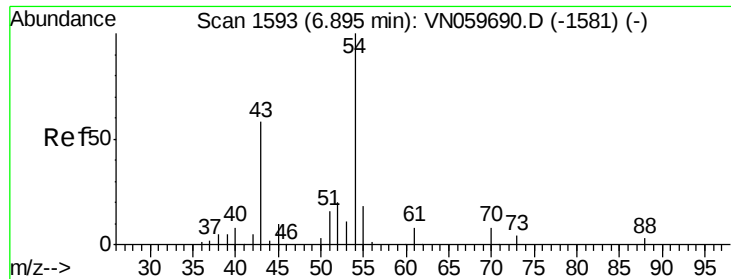
MMDadoda
 1/28/2020 9:24:41 AM



#36
 1,1-Dichloropropene
 Concen: 20.229 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. 0.00 min
 Lab File: VN059870.D
 Acq: 27 Jan 2020 14:15

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	59948		
110	36.9	16.6	49.7	
77	30.6	25.1	37.7	





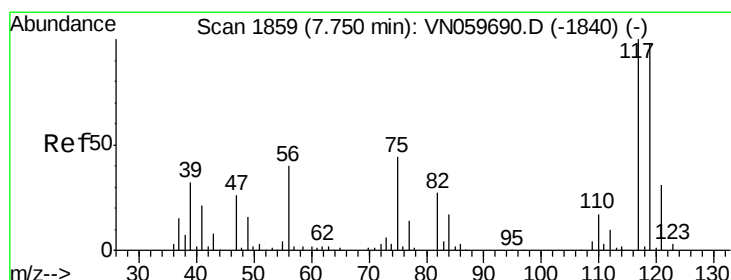
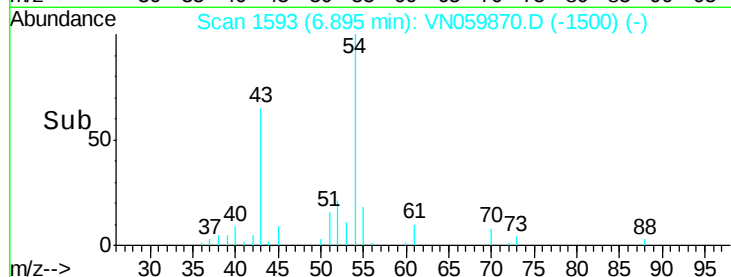
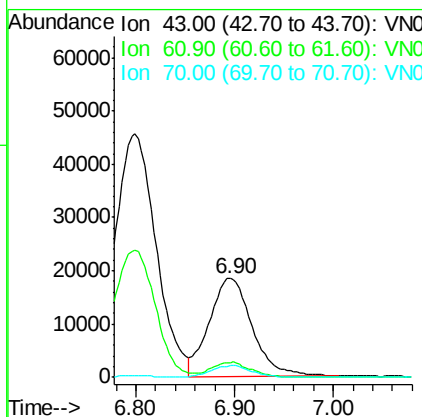
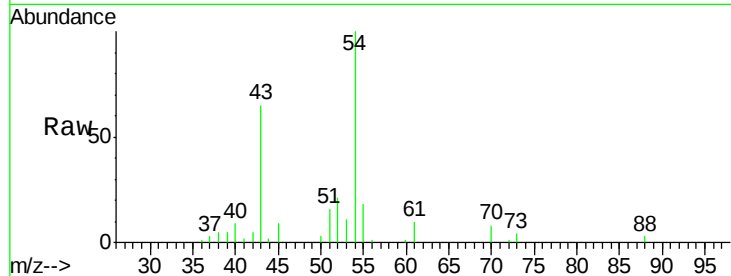
#37
Ethyl Acetate
Concen: 20.261 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. 0.00 min
Lab File: VN059870.D
Acq: 27 Jan 2020 14:15

Instrument :
MSVOA_N
ClientSampled :
VN0127WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	10.9	16.3
70	11.1	7.7	11.5

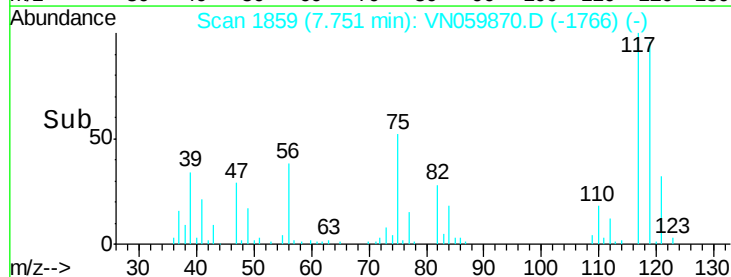
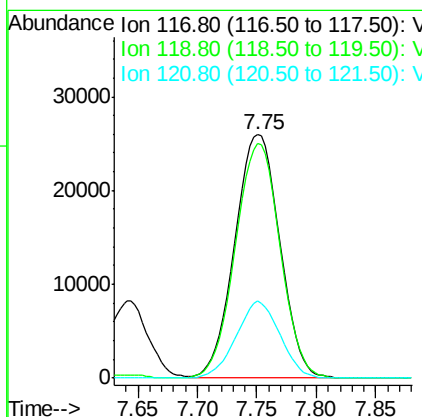
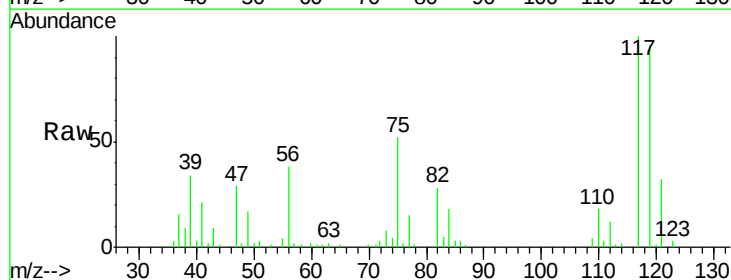
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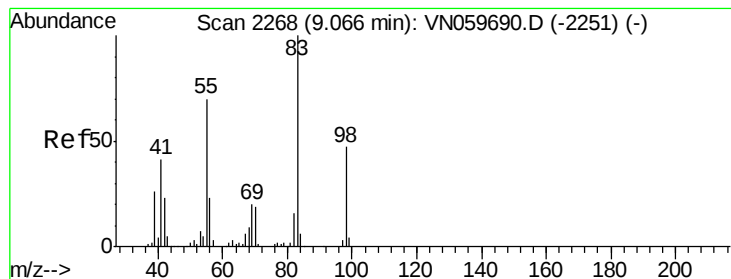
MMDadoda
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#38
Carbon Tetrachloride
Concen: 21.168 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN059870.D
Acq: 27 Jan 2020 14:15

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.2	76.5	114.7
121	31.6	25.1	37.7





#39

Methvlcvclohexane

Concen: 19.495 ug/l

RT: 9.06 min Scan# 2267

Delta R.T. -0.00 min

Lab File: VN059870.D

Acq: 27 Jan 2020 14:15

Instrument :

MSVOA_N

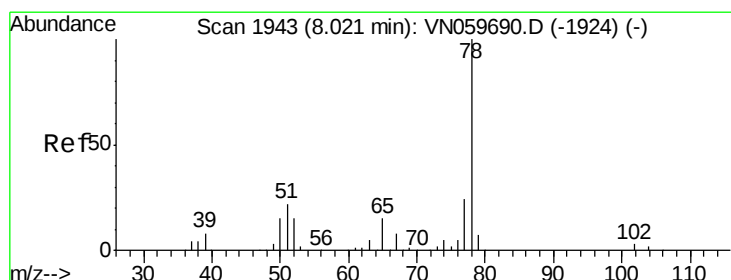
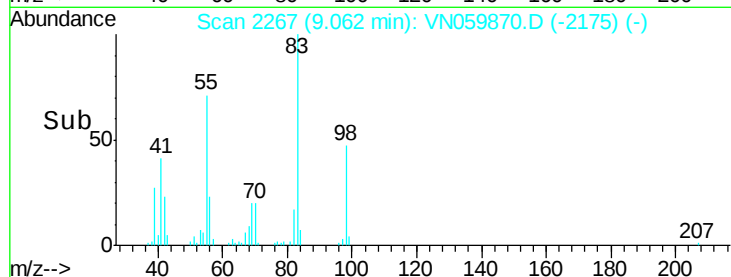
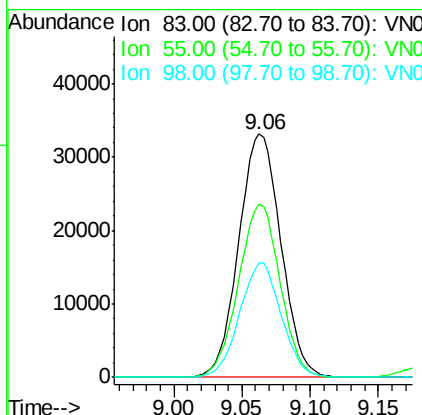
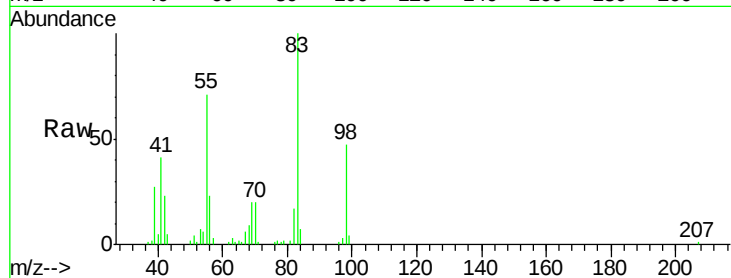
ClientSampleId :

VN0127WBSD01

Tot Ion:	83	Resp:	71235
Ion	Ratio	Lower	Upper
83	100		
55	71.1	64.2	96.2
98	47.1	35.9	53.9

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#40

Benzene

Concen: 20.219 ug/l

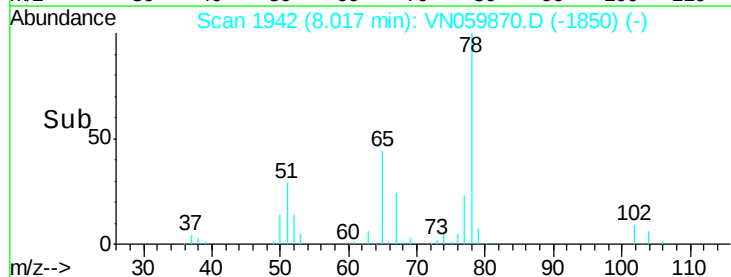
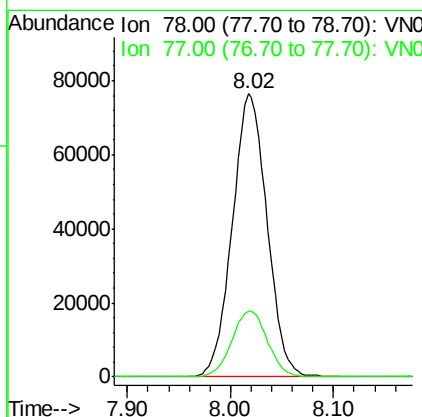
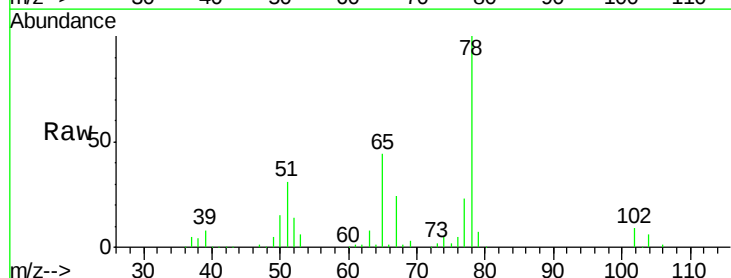
RT: 8.02 min Scan# 1942

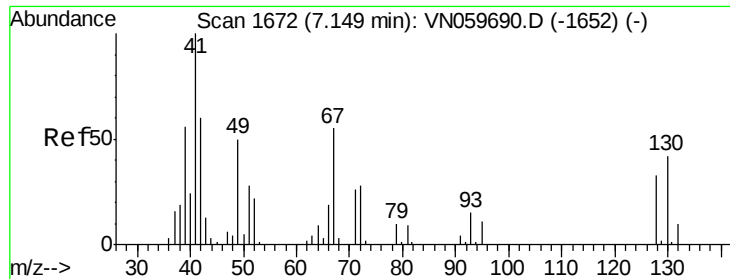
Delta R.T. -0.00 min

Lab File: VN059870.D

Acq: 27 Jan 2020 14:15

Tgt Ion:	78	Resp:	178699
Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.9	28.3





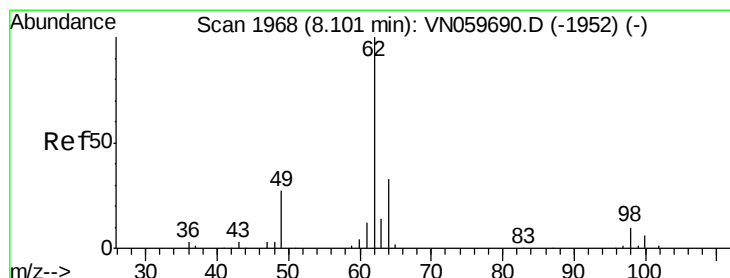
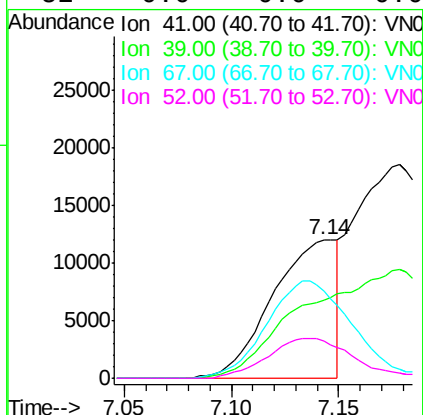
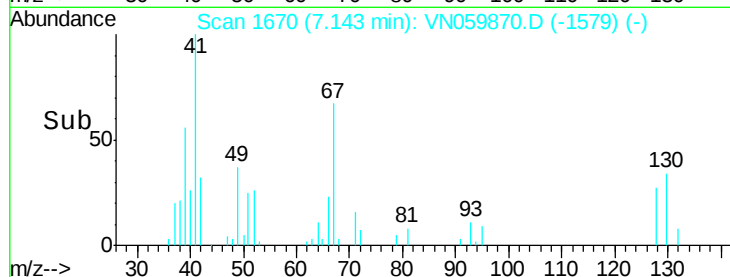
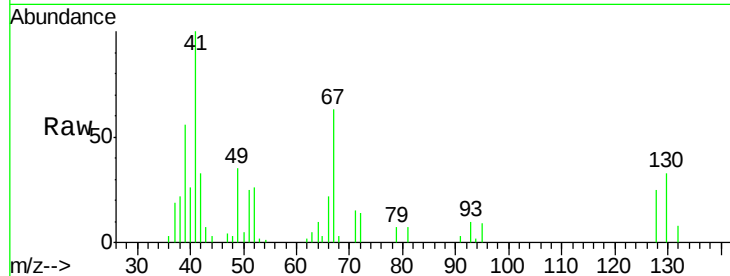
#41
Methacrylonitrile
Concen: 18.440 ug/l m
RT: 7.14 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VN059870.D
Acq: 27 Jan 2020 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0127WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	168.8	0.0	0.0	0.0
67	0.0	0.0	0.0	0.0
52	0.0	0.0	0.0	0.0

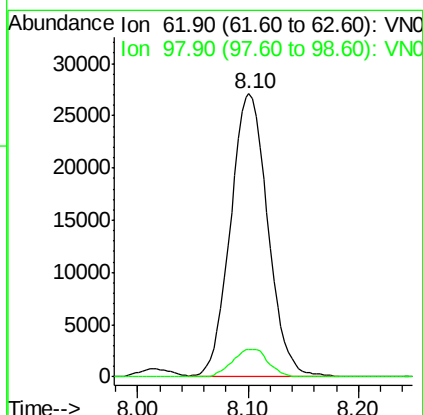
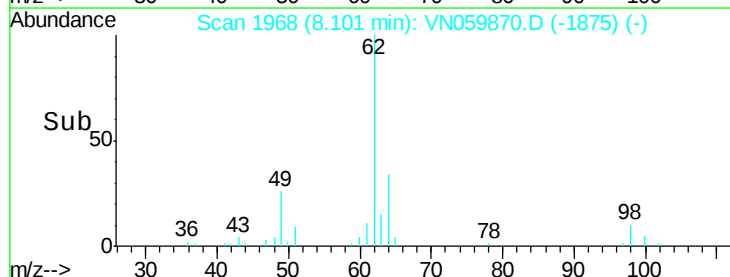
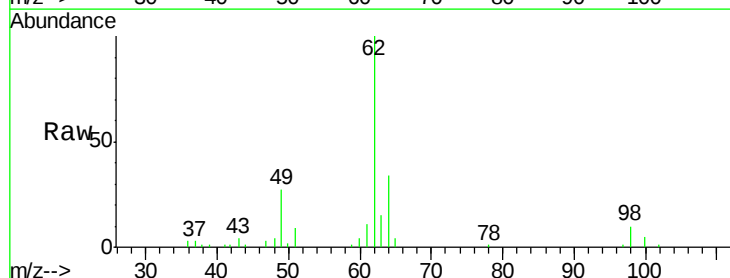
Manual Integrations
APPROVED

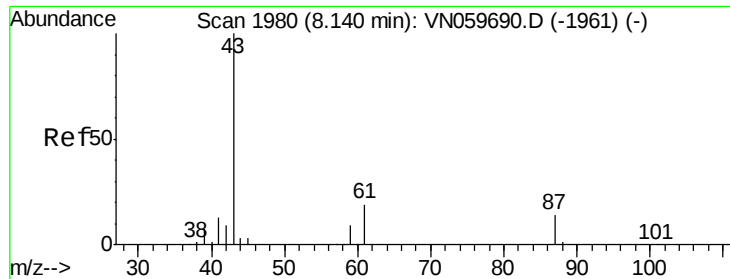
MMDadoda
1/28/2020 9:24:41 AM



#42
1,2-Dichloroethane
Concen: 21.238 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN059870.D
Acq: 27 Jan 2020 14:15

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.4	0.0	15.8	





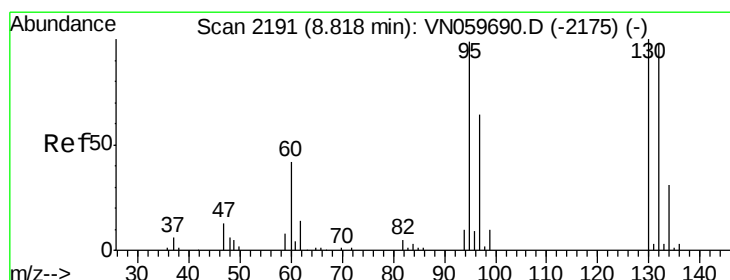
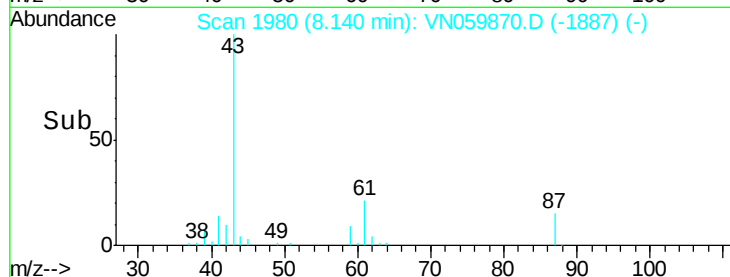
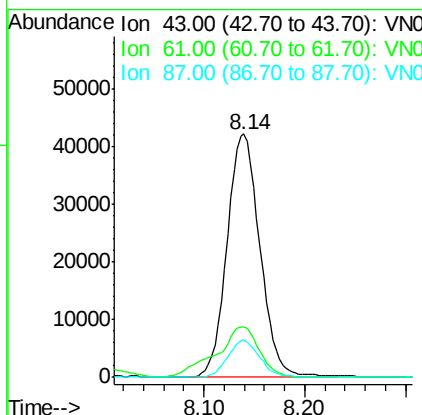
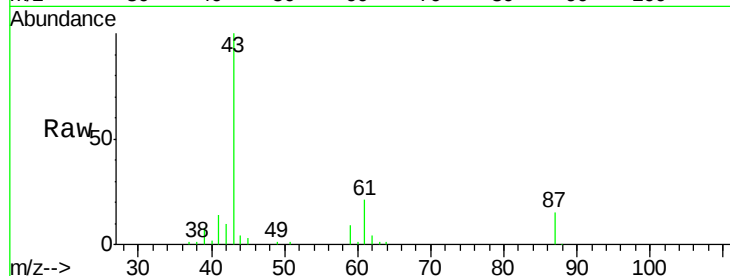
#43
Isopropyl Acetate
Concen: 20.091 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. 0.00 min
Lab File: VN059870.D
Acq: 27 Jan 2020 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0127WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.1	20.2	30.2
87	14.6	9.5	14.3

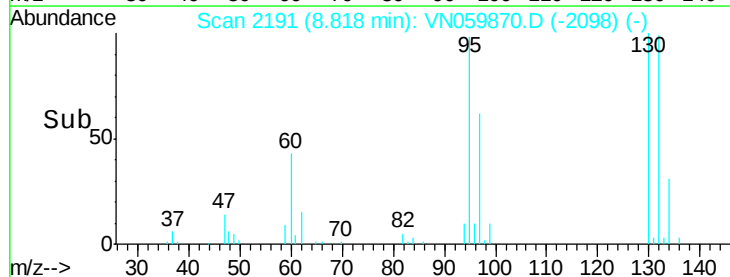
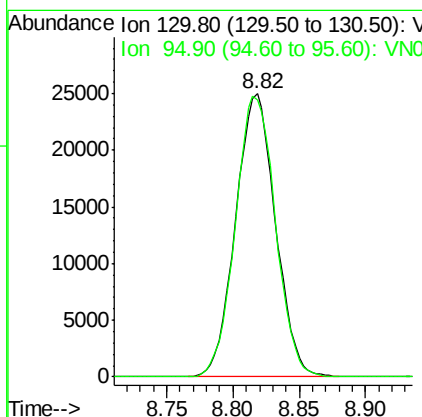
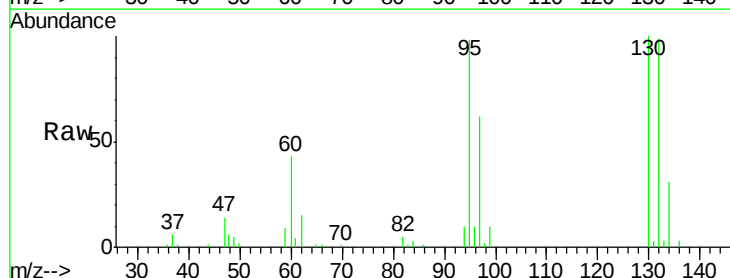
Manual Integrations
APPROVED

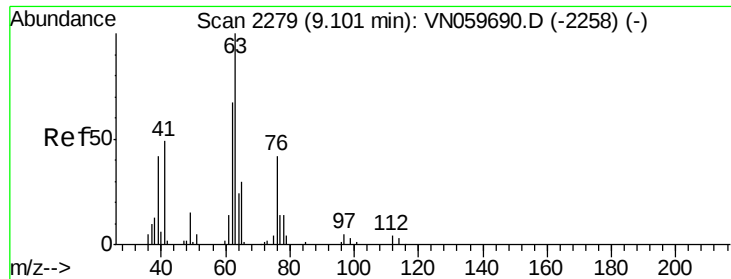
MMDadoda
1/28/2020 9:24:41 AM



#44
Trichloroethene
Concen: 21.627 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. 0.00 min
Lab File: VN059870.D
Acq: 27 Jan 2020 14:15

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.9	0.0	207.0





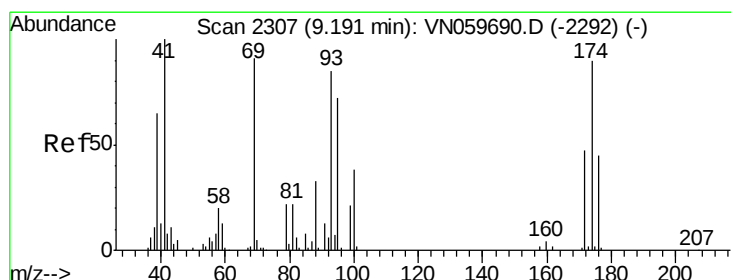
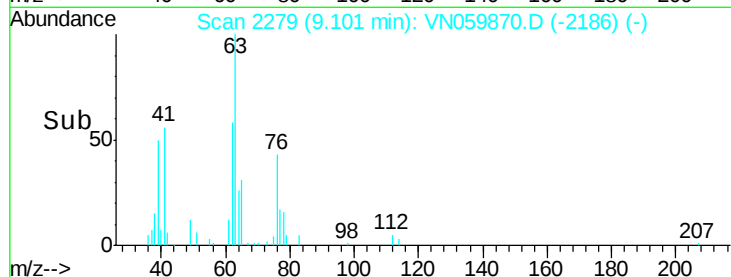
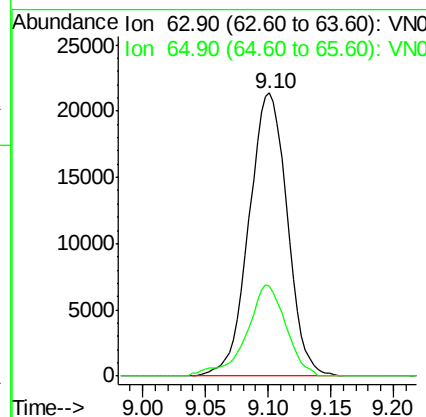
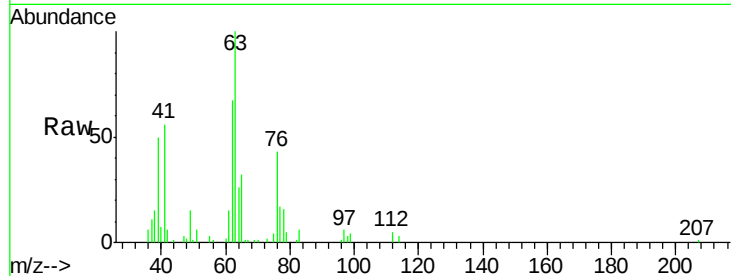
#45
 1,2-Dichloropropane
 Concen: 20.788 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN059870.D
 Acq: 27 Jan 2020 14:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0127WBSD01

Tot Ion: 63 Resp: 45463
 Ion Ratio Lower Upper
 63 100
 65 31.6 24.9 37.3

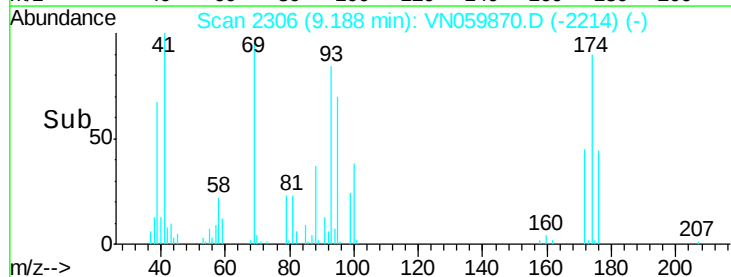
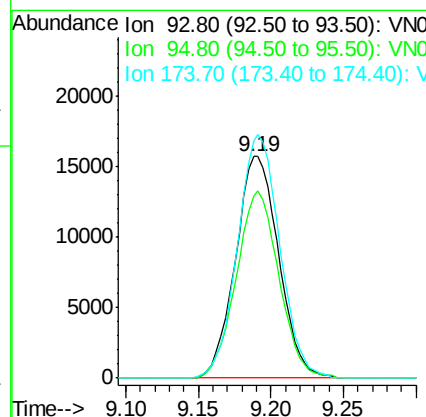
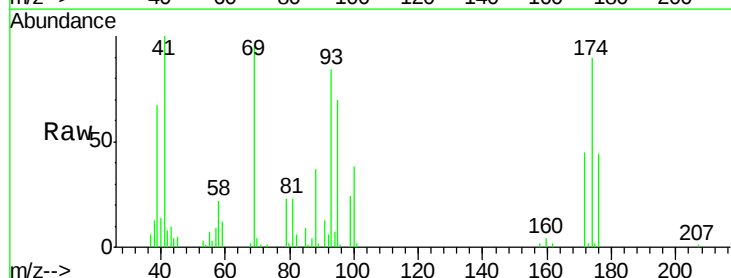
Manual Integrations
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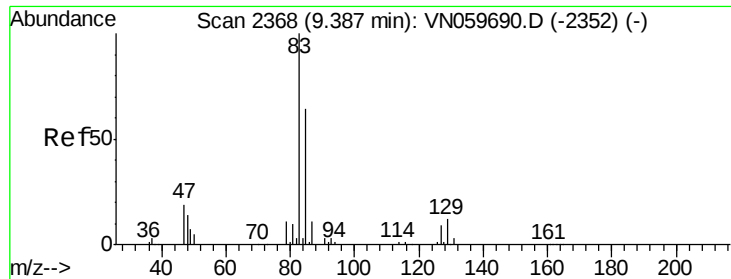
MMDadoda
 1/28/2020 9:24:41 AM



#46
 Dibromomethane
 Concen: 21.072 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VN059870.D
 Acq: 27 Jan 2020 14:15

Tgt Ion: 93 Resp: 32508
 Ion Ratio Lower Upper
 93 100
 95 83.2 67.0 100.6
 174 107.5 73.4 110.2





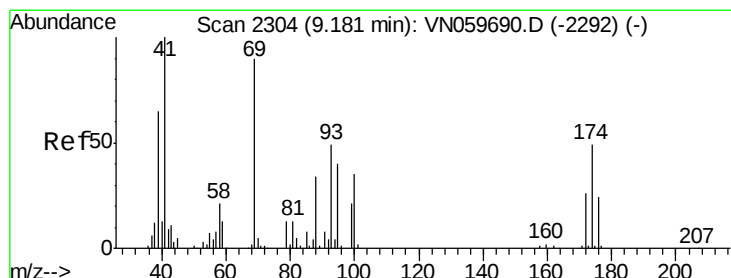
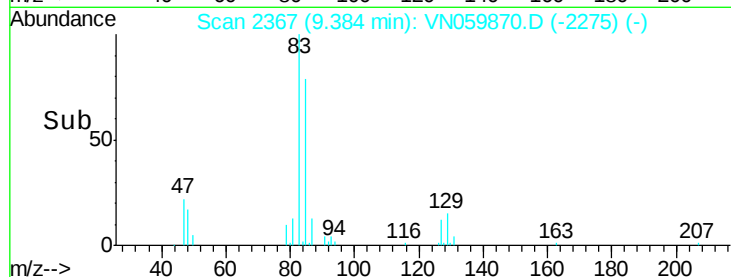
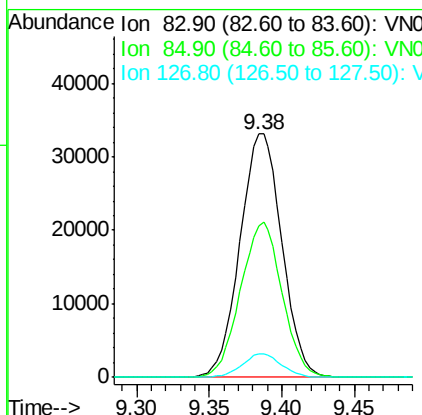
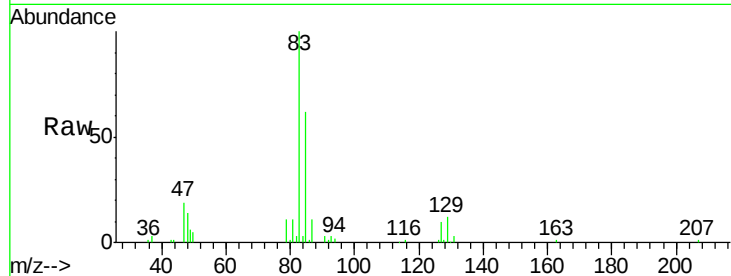
#47
Bromodichloromethane
Concen: 21.384 ug/l
RT: 9.38 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN059870.D
Acq: 27 Jan 2020 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0127WBSD01

Tot Ion	83	Resp	66480
Ion Ratio	100		
85	62.2	51.1	76.7
127	9.5	6.6	9.8

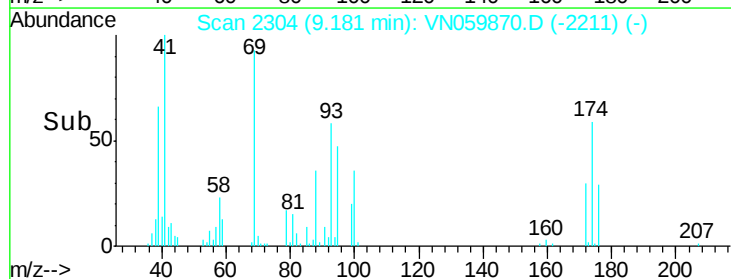
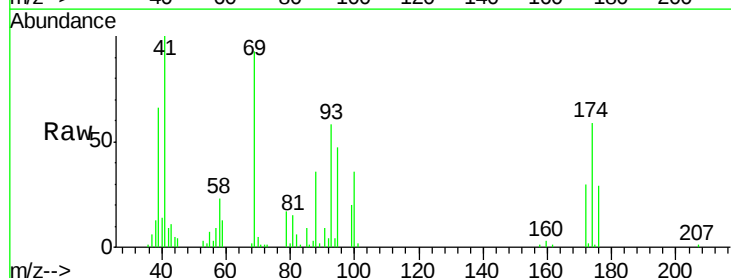
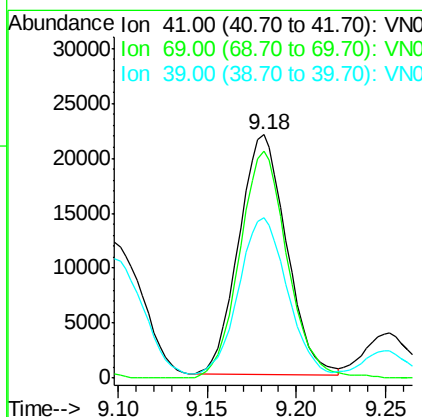
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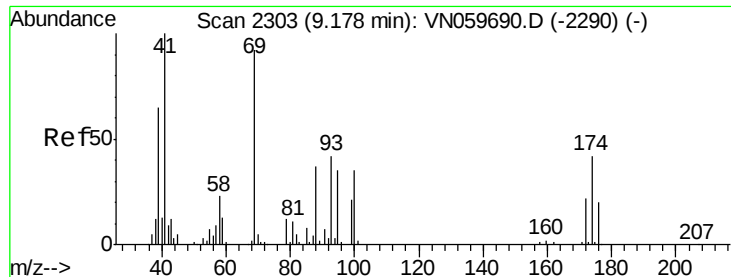
MMDadoda
1/28/2020 9:24:41 AM



#48
Methyl methacrylate
Concen: 19.042 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN059870.D
Acq: 27 Jan 2020 14:15

Tgt Ion	41	Resp	40721
Ion Ratio	100		
69	95.4	64.4	96.6
39	69.7	51.3	76.9





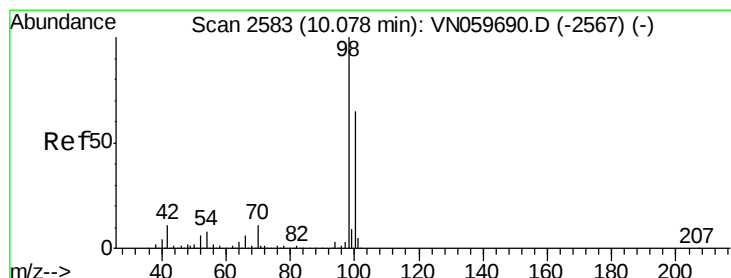
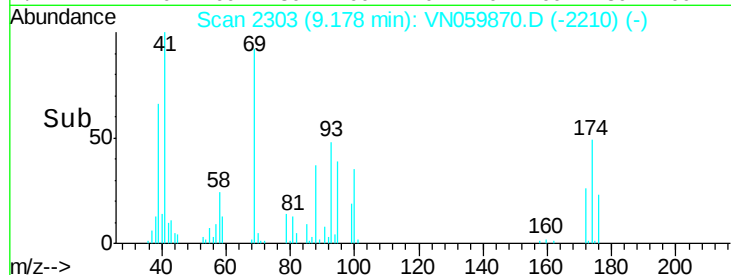
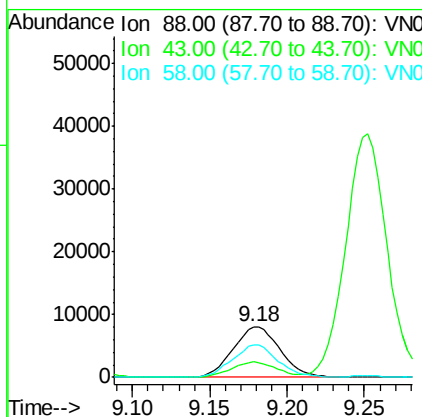
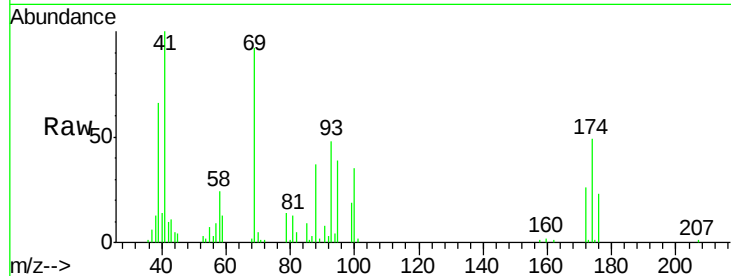
#49
1,4-Dioxane
Concen: 433.846 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN059870.D
Acq: 27 Jan 2020 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0127WBSD01

Tot Ion	88	Resp	16984
Ion	Ratio	Lower	Upper
88	100		
43	29.8	29.7	44.5
58	61.3	56.6	85.0

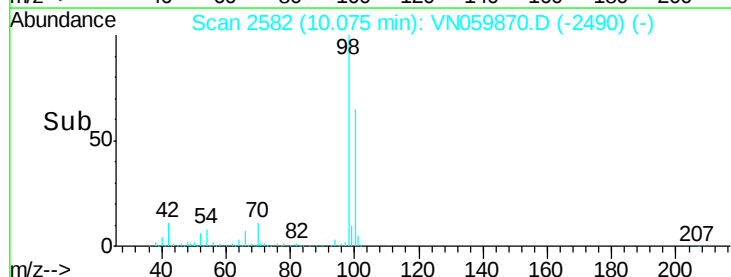
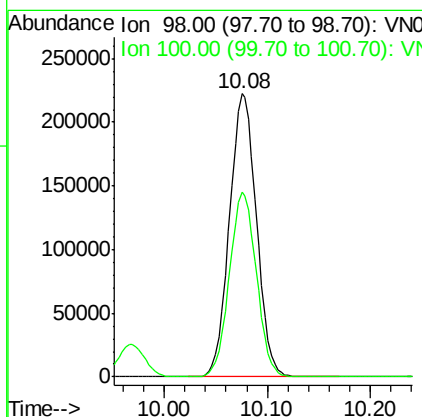
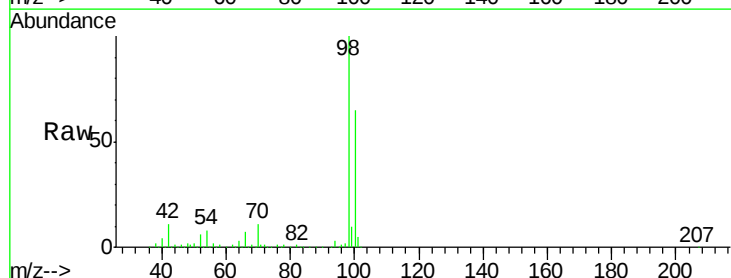
Manual Integrations
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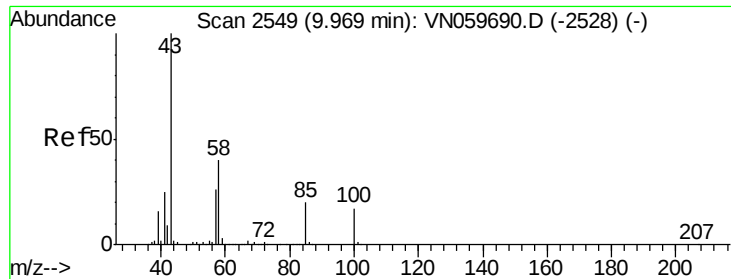
MMDadoda
1/28/2020 9:24:41 AM



#50
Toluene-d8
Concen: 51.638 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN059870.D
Acq: 27 Jan 2020 14:15

Tgt Ion	98	Resp	406025
Ion	Ratio	Lower	Upper
98	100		
100	65.0	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 99.974 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN059870.D

Acq: 27 Jan 2020 14:15

Instrument :

MSVOA_N

ClientSampleId :

VN0127WBSD01

Tot Ion: 43 Resp: 276294

Ion Ratio Lower Upper

43 100

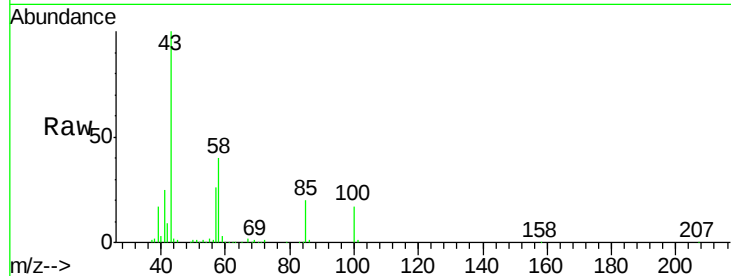
58 40.0 29.8 44.8

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MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN059690.D (-2528) (-)

Ion 58.00 (57.70 to 58.70): VN059690.D (-2528) (-)

9.97

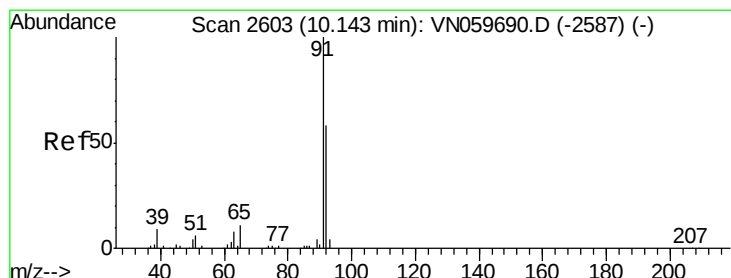
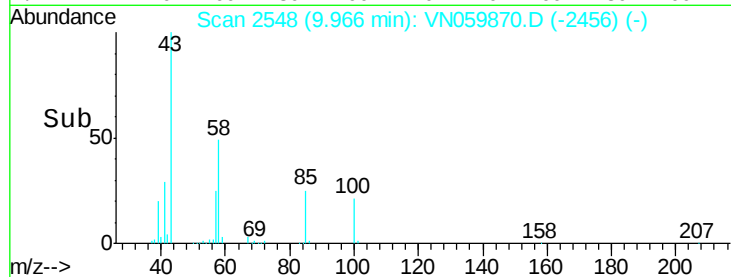
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 21.019 ug/l

RT: 10.14 min Scan# 2602

Delta R.T. -0.00 min

Lab File: VN059870.D

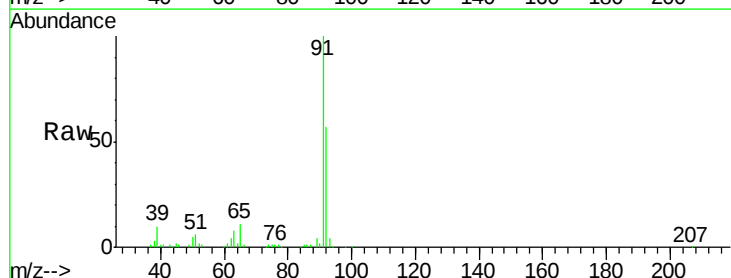
Acq: 27 Jan 2020 14:15

Tgt Ion: 92 Resp: 117340

Ion Ratio Lower Upper

92 100

91 172.5 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VN059870.D (-2510) (-)

Ion 91.00 (90.70 to 91.70): VN059870.D (-2510) (-)

10.14

120000

100000

80000

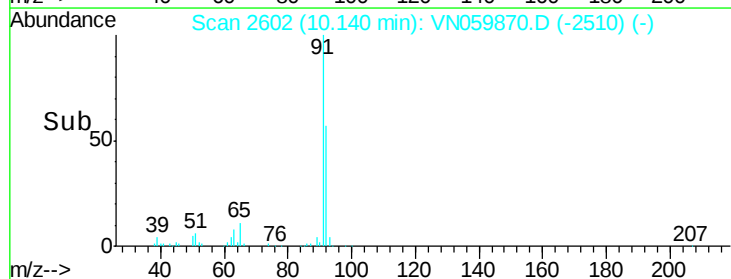
60000

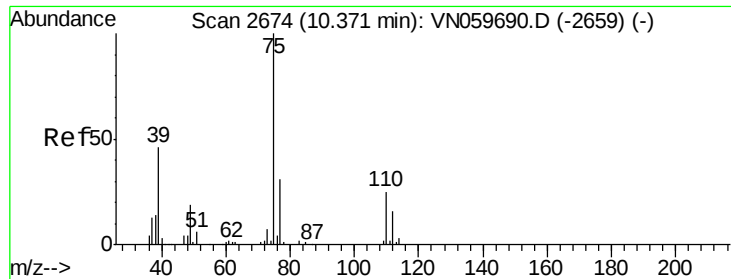
40000

20000

0

Time-->





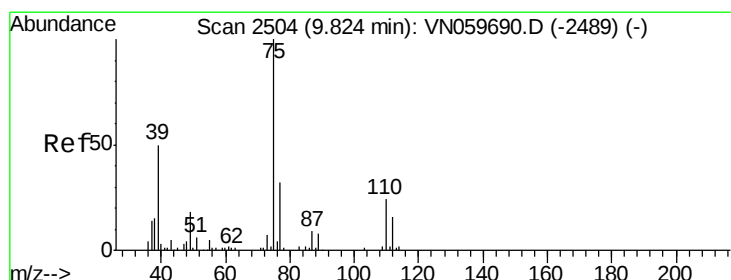
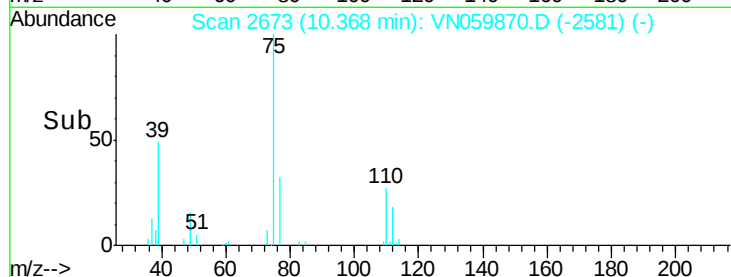
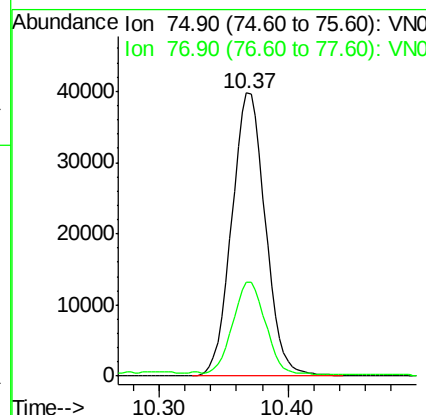
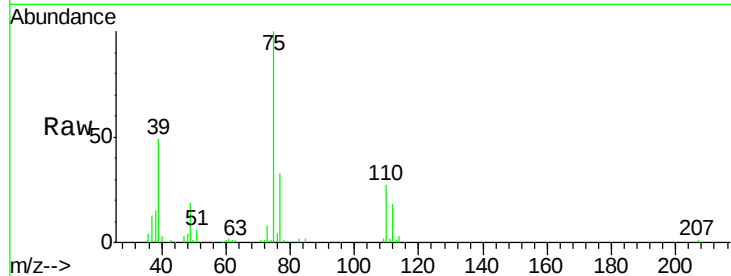
#53
t-1,3-Dichloropropene
Concen: 20.788 ug/l
RT: 10.37 min Scan# 2673
Delta R.T. -0.00 min
Lab File: VN059870.D
Acq: 27 Jan 2020 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0127WBSD01

Tot Ion: 75 Resp: 72161
Ion Ratio Lower Upper
75 100
77 32.4 25.4 38.2

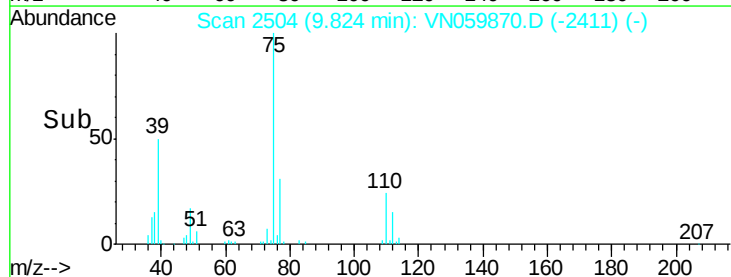
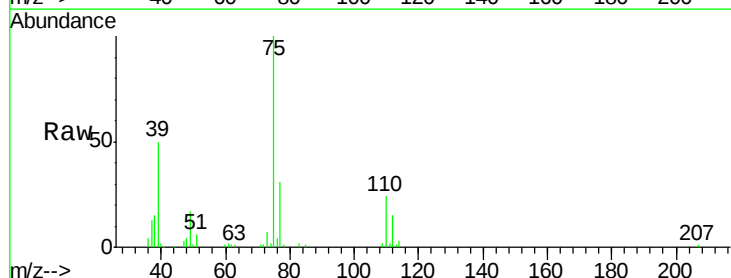
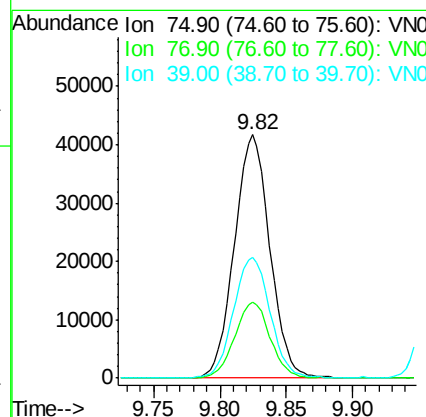
Manual Integrations
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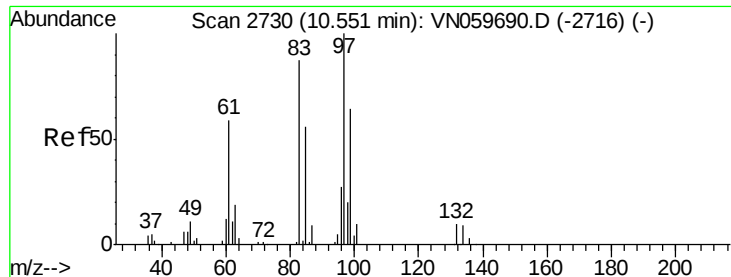
MMDadoda
1/28/2020 9:24:41 AM



#54
cis-1,3-Dichloropropene
Concen: 21.205 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN059870.D
Acq: 27 Jan 2020 14:15

Tgt Ion: 75 Resp: 77450
Ion Ratio Lower Upper
75 100
77 31.2 25.1 37.7
39 49.5 46.1 69.1





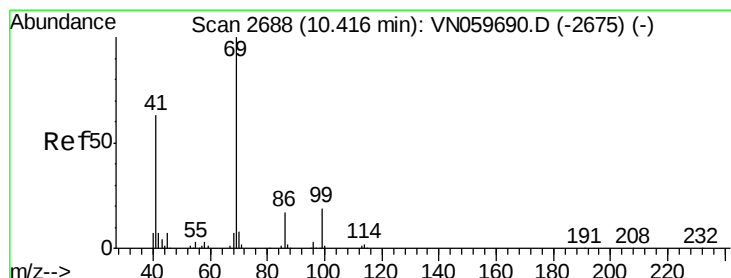
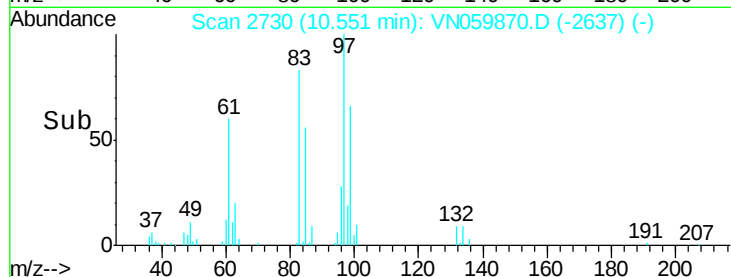
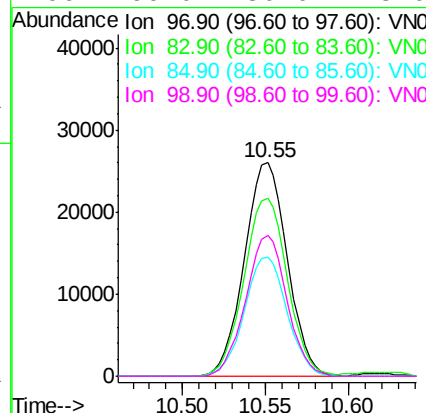
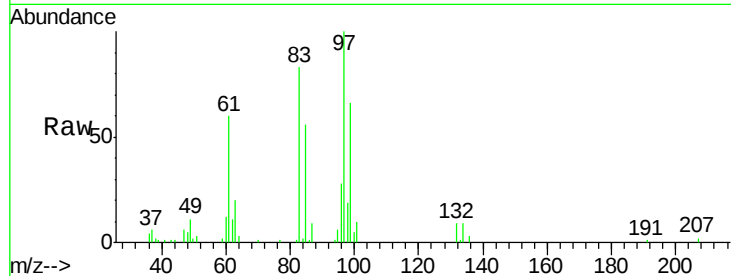
#55
 1,1,2-Trichloroethane
 Concen: 21.213 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN059870.D
 Acq: 27 Jan 2020 14:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0127WBSD01

Tot Ion:	97	Resp:	46902
Ion	Ratio	Lower	Upper
97	100		
83	83.1	71.3	106.9
85	55.8	45.8	68.8
99	66.0	50.0	75.0

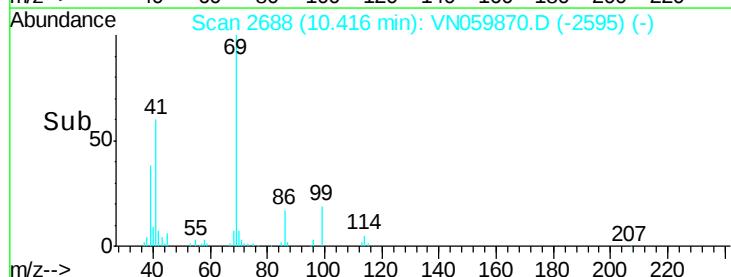
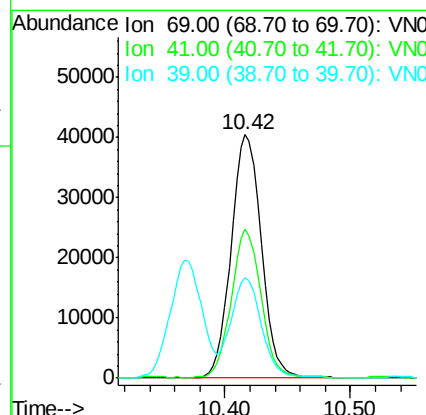
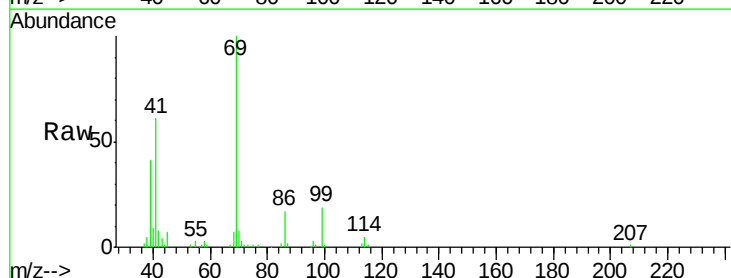
Manual Integrations
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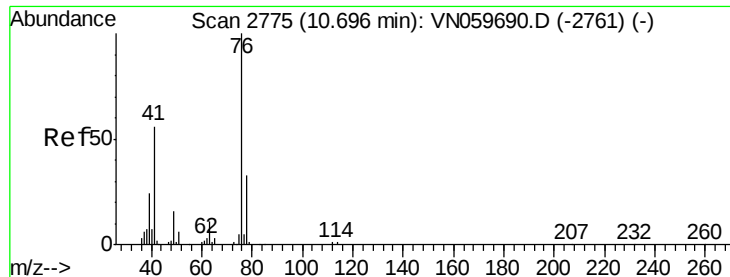
MMDadoda
 1/28/2020 9:24:41 AM



#56
 Ethyl methacrylate
 Concen: 20.081 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN059870.D
 Acq: 27 Jan 2020 14:15

Tgt Ion:	69	Resp:	67844
Ion	Ratio	Lower	Upper
69	100		
41	60.6	57.1	85.7
39	42.1	34.7	52.1





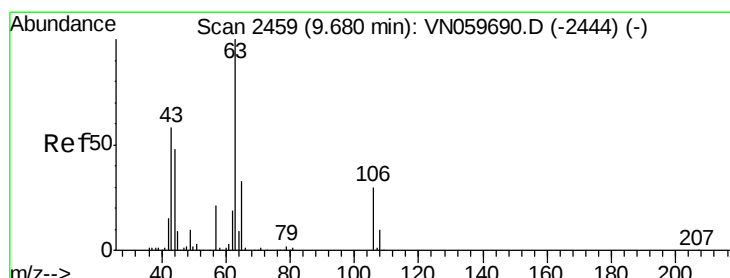
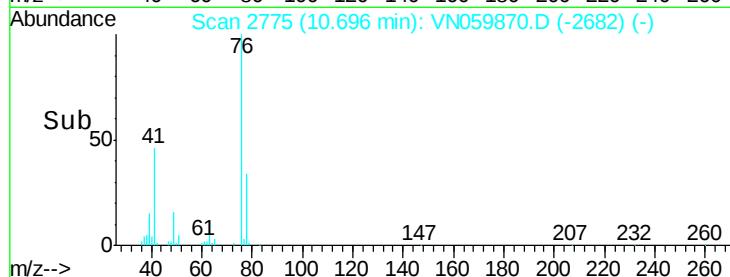
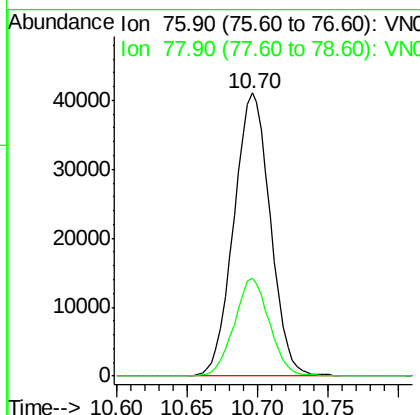
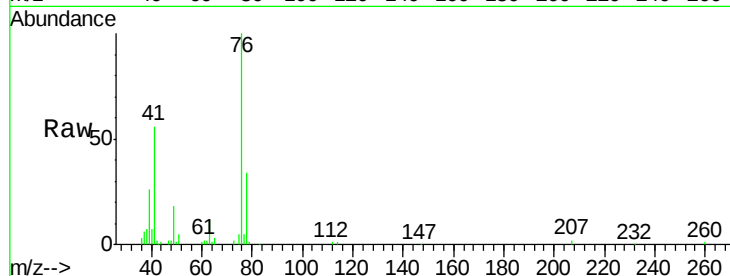
#57
 1,3-Dichloropropane
 Concen: 21.176 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. 0.00 min
 Lab File: VN059870.D
 Acq: 27 Jan 2020 14:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0127WBSD01

Tot Ion: 76 Resp: 74335
 Ion Ratio Lower Upper
 76 100
 78 33.4 25.8 38.8

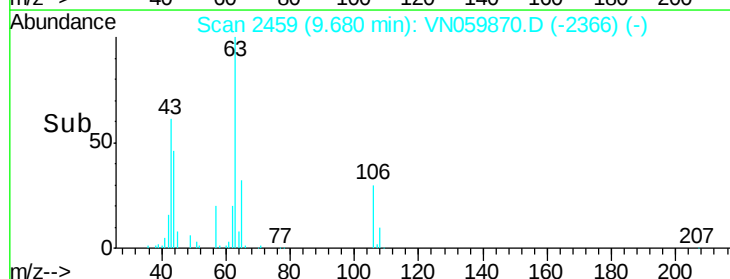
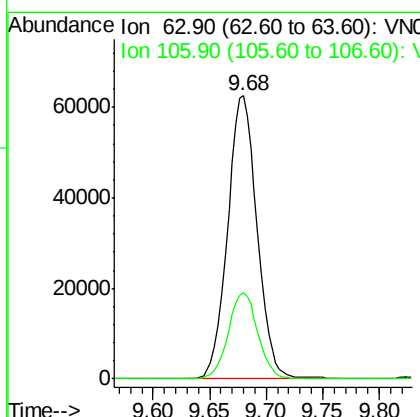
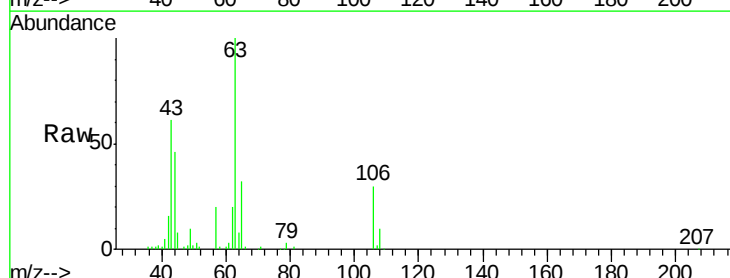
Manual Integrations
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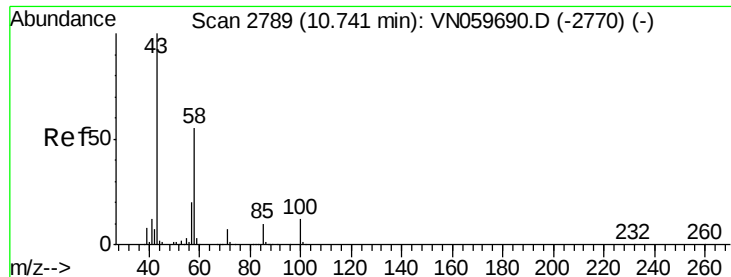
MMDadoda
 1/28/2020 9:24:41 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 111.337 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. 0.00 min
 Lab File: VN059870.D
 Acq: 27 Jan 2020 14:15

Tgt Ion: 63 Resp: 113297
 Ion Ratio Lower Upper
 63 100
 106 30.5 20.2 30.2#





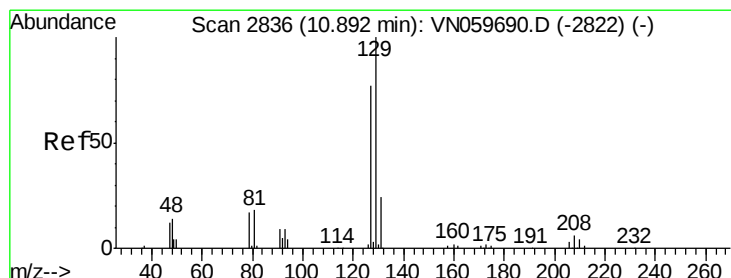
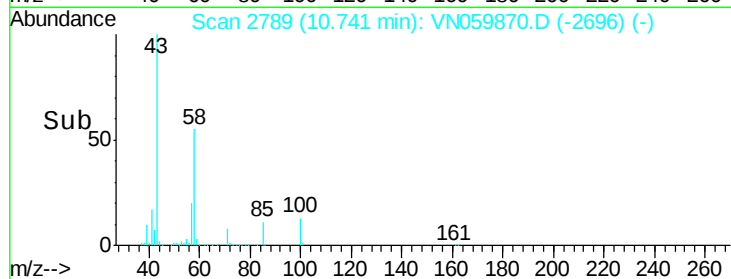
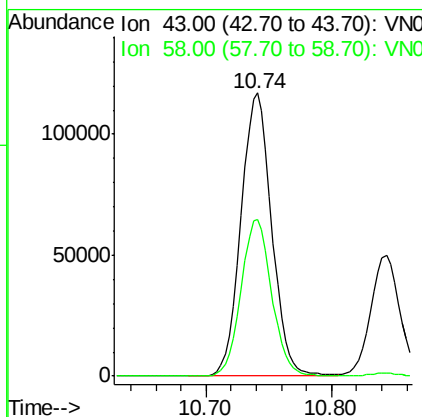
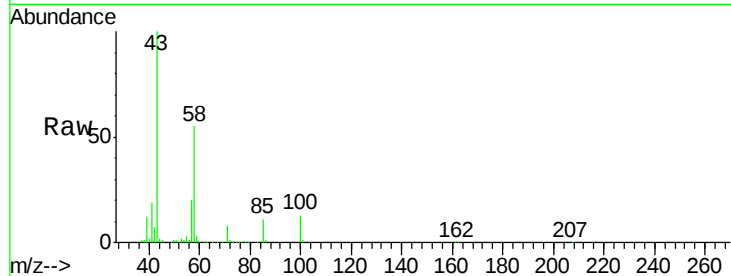
#59
2-Hexanone
Concen: 98.055 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN059870.D
Acq: 27 Jan 2020 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0127WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.2	25.8	77.3

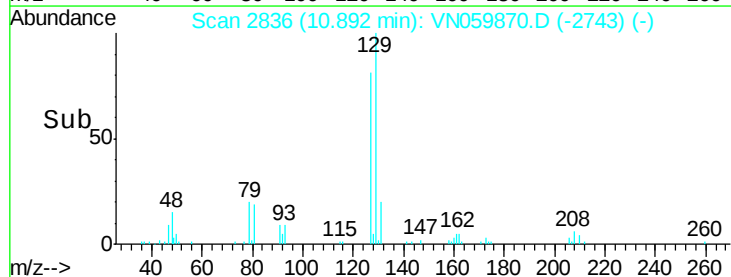
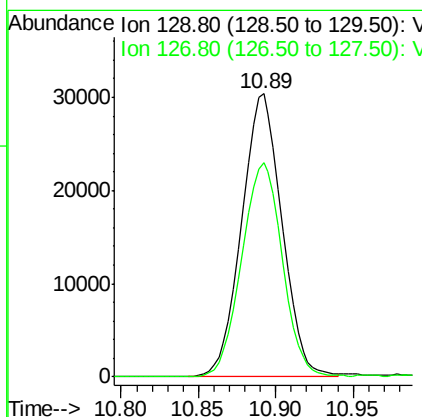
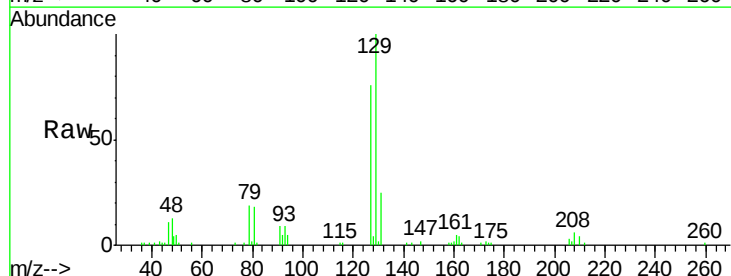
Manual Integrations
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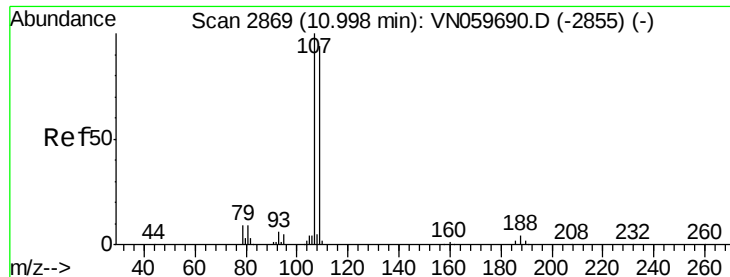
MMDadoda
1/28/2020 9:24:41 AM



#60
Dibromochloromethane
Concen: 21.923 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN059870.D
Acq: 27 Jan 2020 14:15

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.1	38.5	115.5





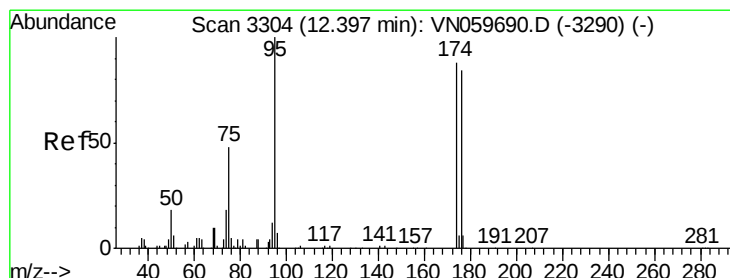
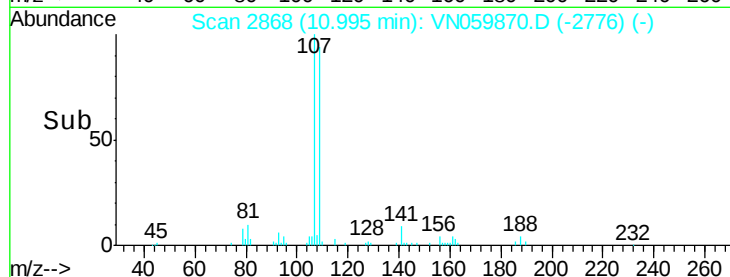
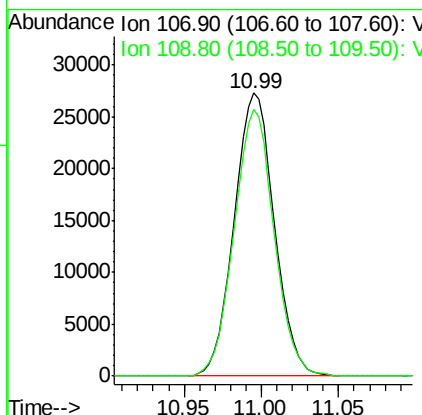
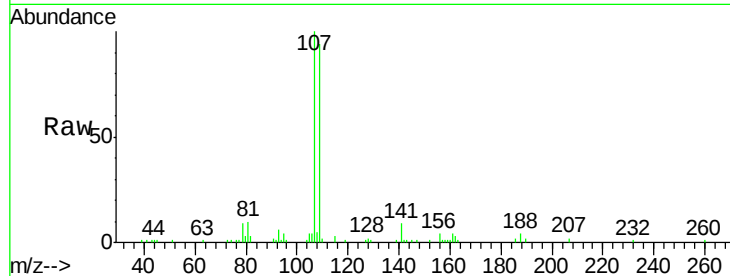
#61
 1,2-Dibromoethane
 Concen: 21.242 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN059870.D
 Acq: 27 Jan 2020 14:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0127WBSD01

Tot Ion:107 Resp: 49227
 Ion Ratio Lower Upper
 107 100
 109 93.8 76.6 115.0

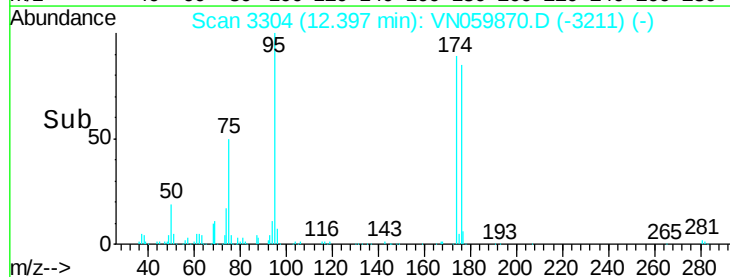
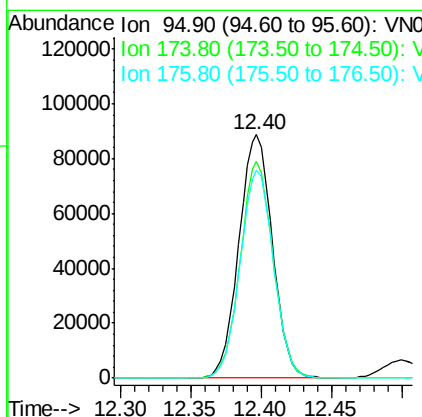
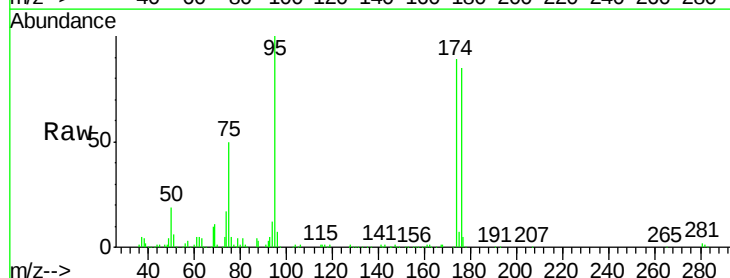
Manual Integrations
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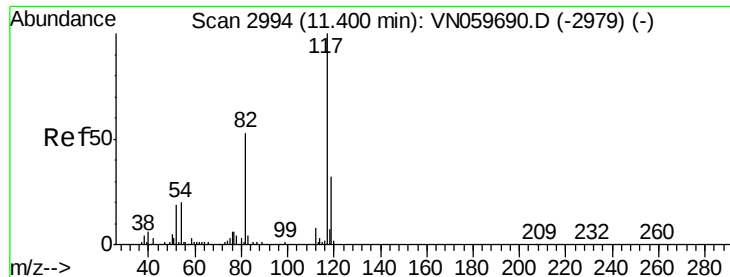
MMDadoda
 1/28/2020 9:24:41 AM



#62
 4-Bromofluorobenzene
 Concen: 52.145 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN059870.D
 Acq: 27 Jan 2020 14:15

Tgt Ion: 95 Resp: 147808
 Ion Ratio Lower Upper
 95 100
 174 87.5 0.0 151.4
 176 85.4 0.0 146.0





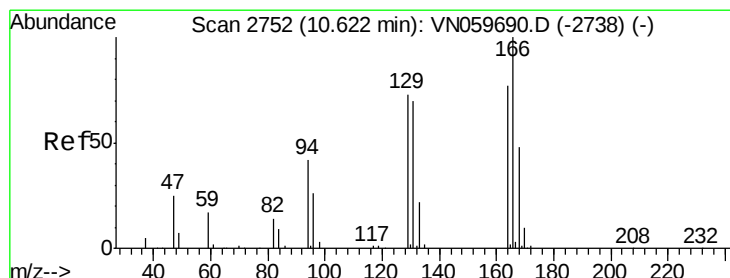
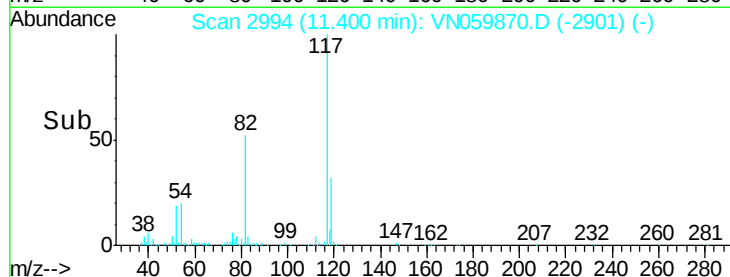
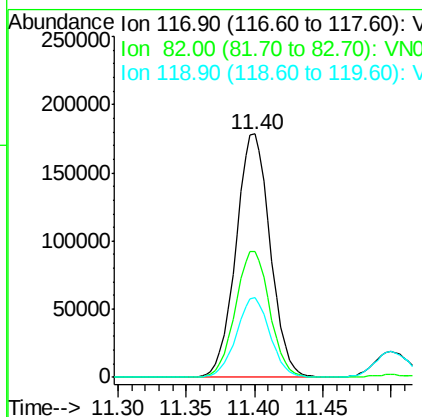
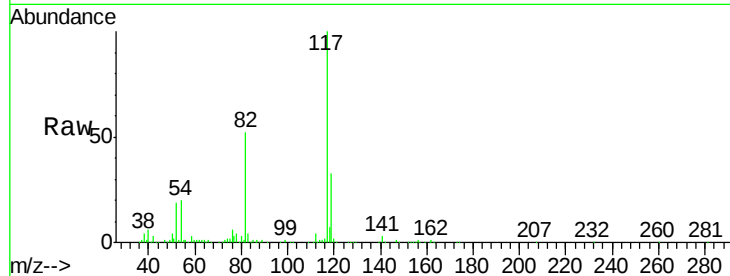
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059870.D
Acq: 27 Jan 2020 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0127WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100			
82	51.6	45.9	68.9	
119	32.5	25.5	38.3	

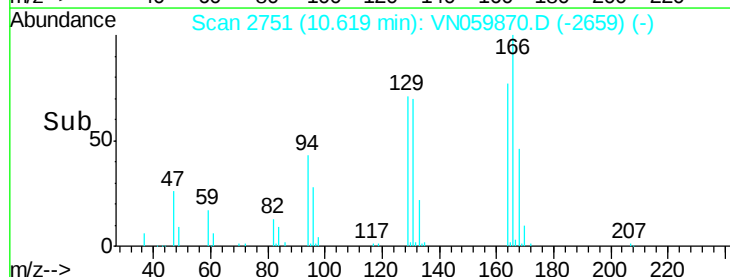
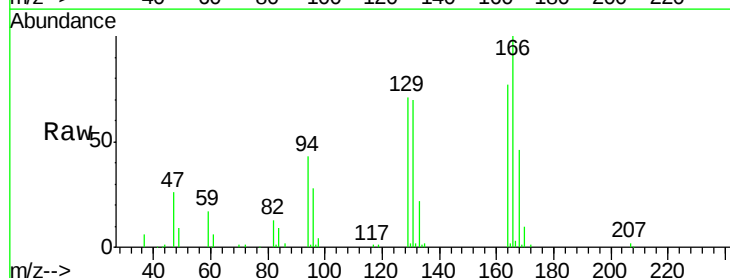
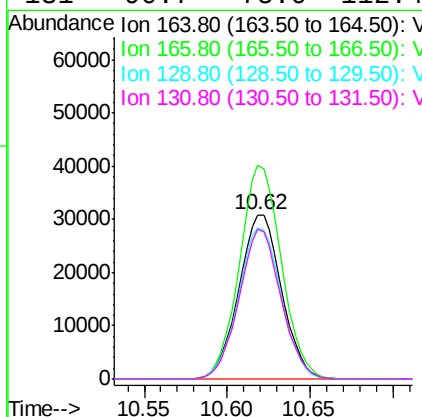
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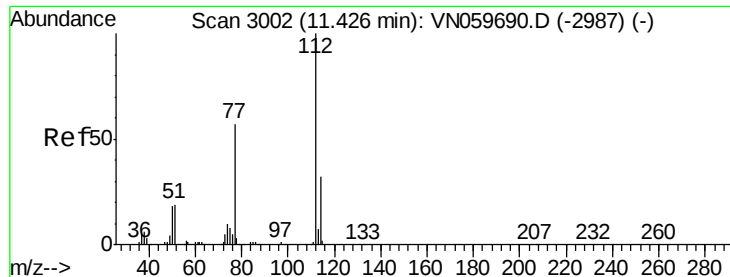
MMDadoda
1/28/2020 9:24:41 AM



#64
Tetrachloroethene
Concen: 21.747 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VN059870.D
Acq: 27 Jan 2020 14:15

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
166	129.9	101.4	152.0	
129	91.9	80.2	120.4	
131	90.7	75.0	112.4	





#65

Chlorobenzene

Concen: 20.844 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. 0.00 min

Lab File: VN059870.D

Acq: 27 Jan 2020 14:15

Instrument :

MSVOA_N

ClientSampleId :

VN0127WBSD01

Tot Ion:112 Resp: 127359

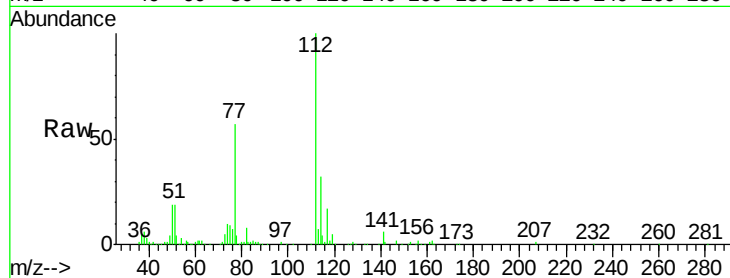
Ion Ratio Lower Upper

112 100

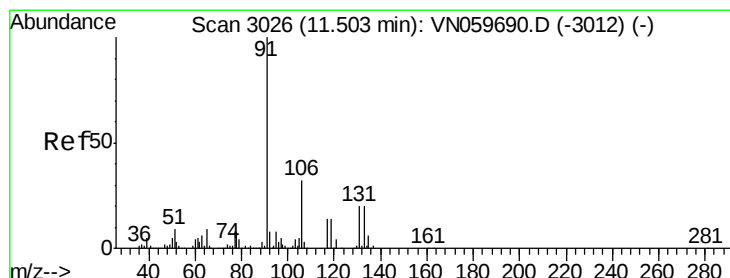
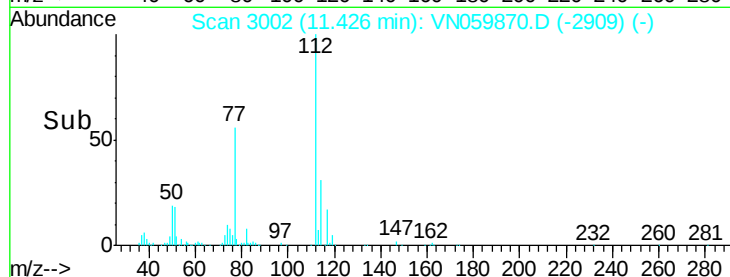
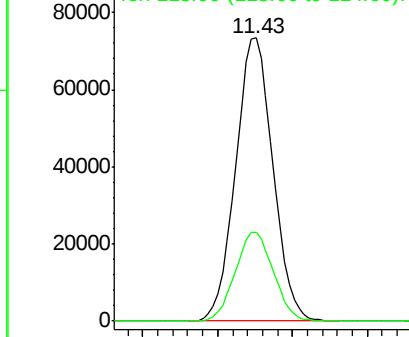
114 31.6 25.8 38.8

Manual Integrations
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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: 21.798 ug/l

RT: 11.50 min Scan# 3025

Delta R.T. -0.00 min

Lab File: VN059870.D

Acq: 27 Jan 2020 14:15

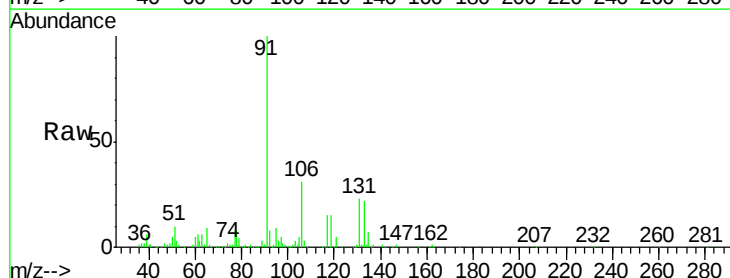
Tgt Ion:131 Resp: 51463

Ion Ratio Lower Upper

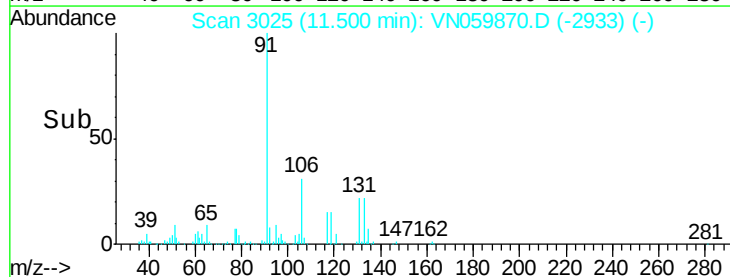
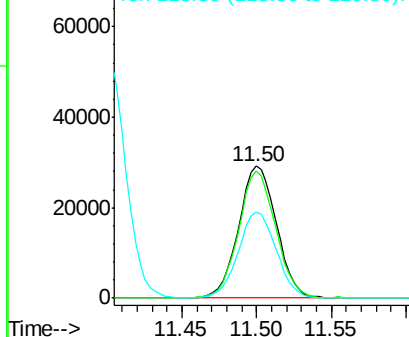
131 100

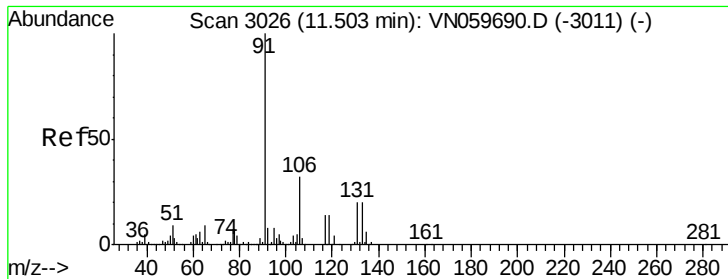
133 93.0 47.4 142.2

119 65.2 33.1 99.3



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





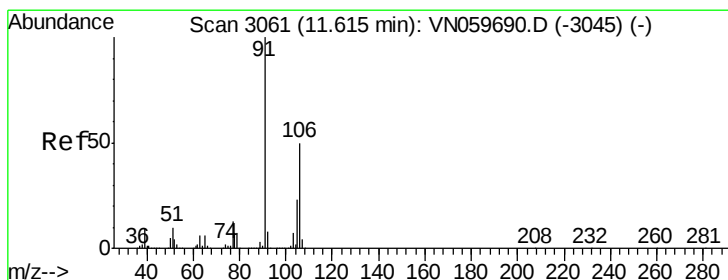
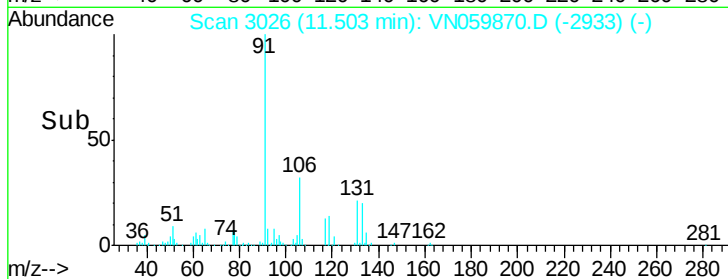
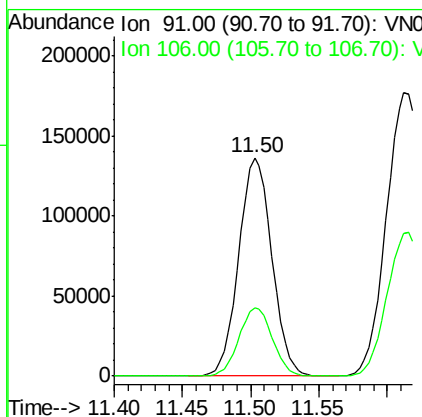
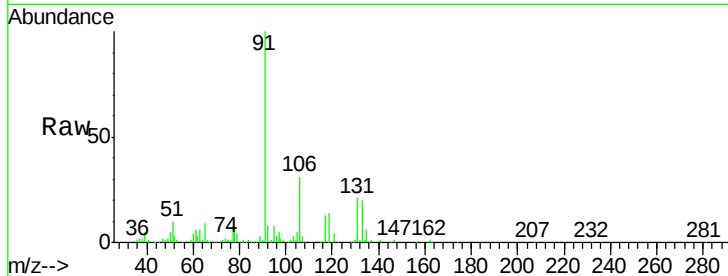
#67
Ethyl Benzene
Concen: 20.640 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN059870.D
Acq: 27 Jan 2020 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0127WBSD01

Tot Ion: 91 Resp: 228942
Ion Ratio Lower Upper
91 100
106 31.5 24.1 36.1

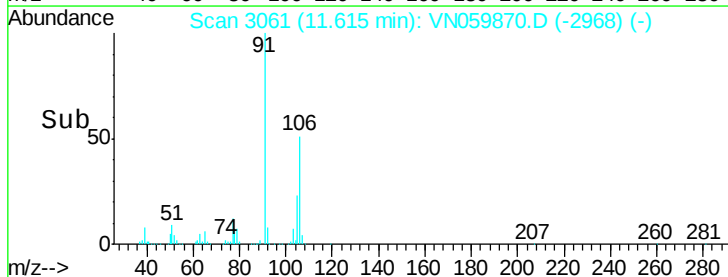
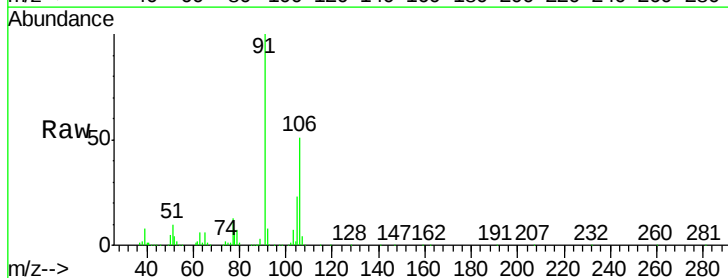
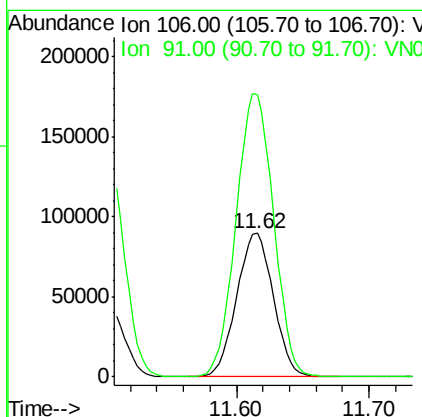
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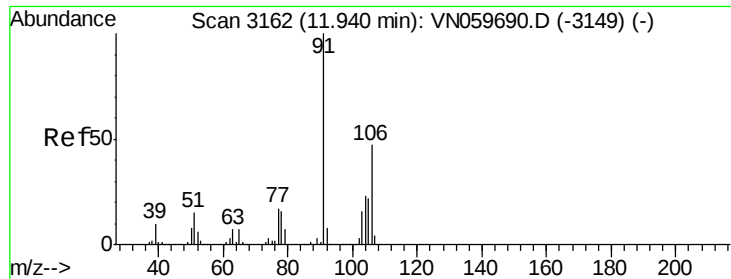
MMDadoda
1/28/2020 9:24:41 AM



#68
m/p-Xylenes
Concen: 41.194 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. 0.00 min
Lab File: VN059870.D
Acq: 27 Jan 2020 14:15

Tgt Ion: 106 Resp: 172596
Ion Ratio Lower Upper
106 100
91 200.5 167.9 251.9





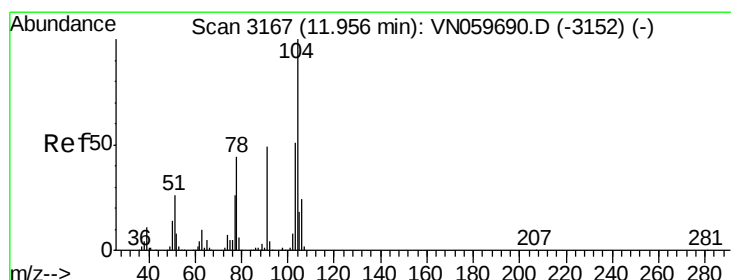
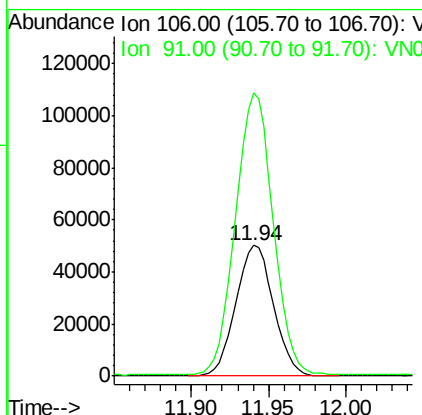
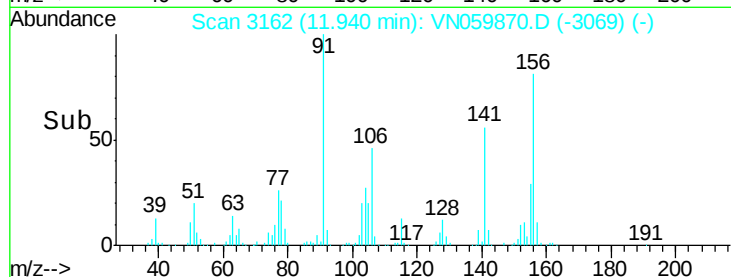
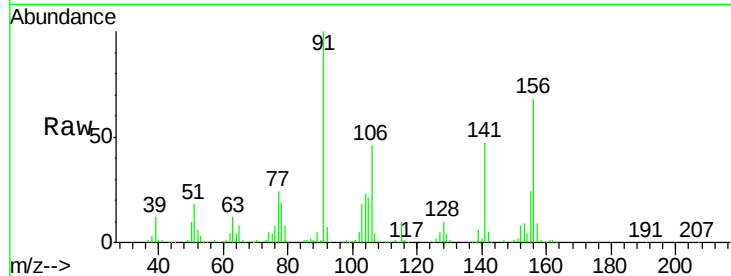
#69
o-Xylene
Concen: 20.697 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN059870.D
Acq: 27 Jan 2020 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0127WBSD01

Tot Ion:106 Resp: 84899
Ion Ratio Lower Upper
106 100
91 215.8 110.3 330.9

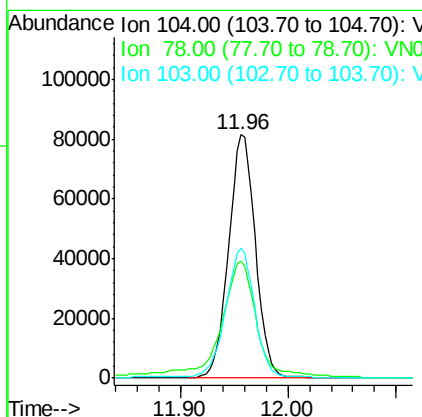
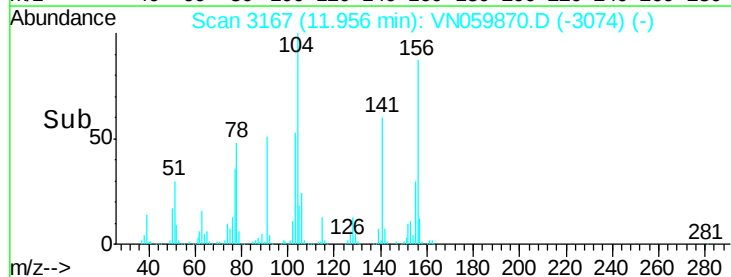
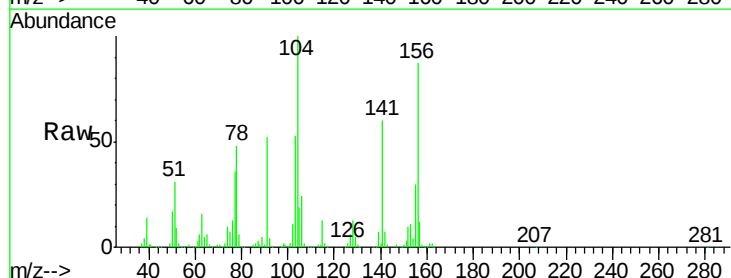
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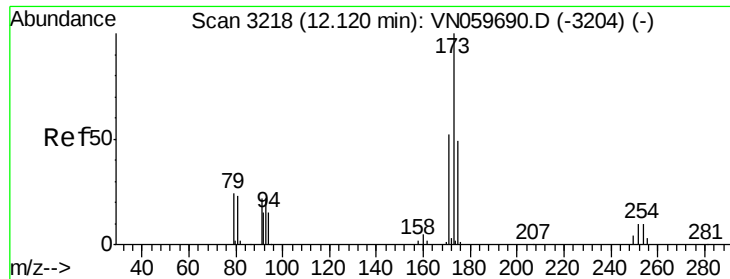
MMDadoda
1/28/2020 9:24:41 AM



#70
Styrene
Concen: 20.636 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN059870.D
Acq: 27 Jan 2020 14:15

Tgt Ion:104 Resp: 141642
Ion Ratio Lower Upper
104 100
78 66.1 42.4 63.6#
103 56.7 43.9 65.9





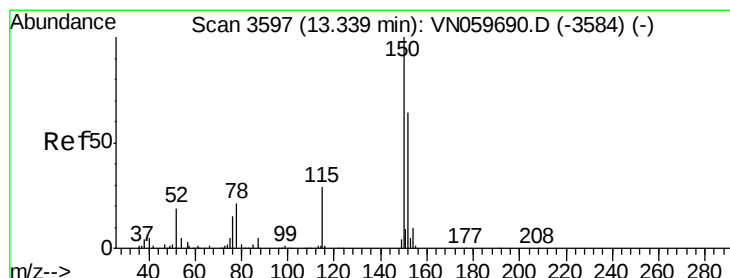
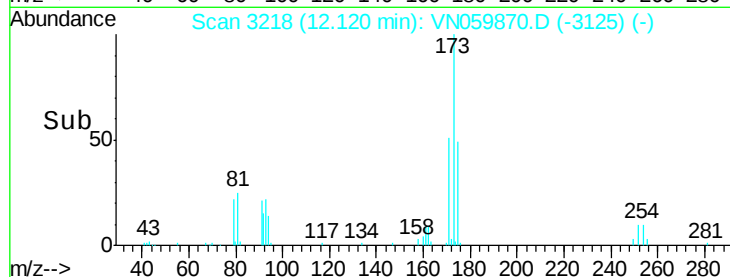
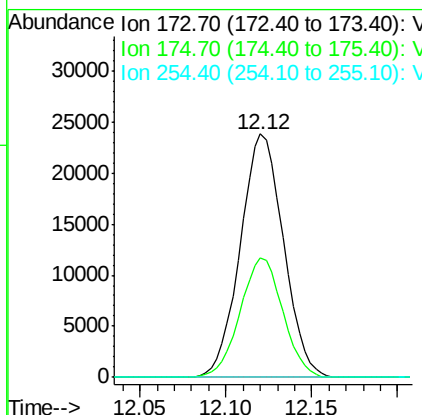
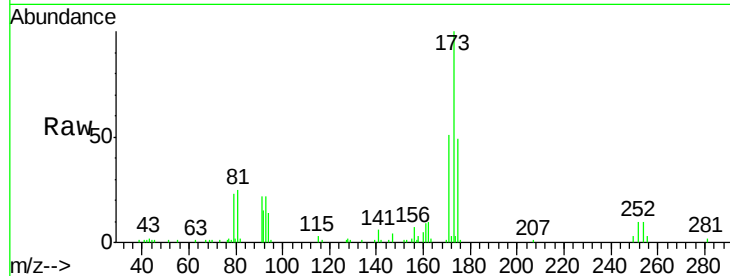
#71
Bromoform
Concen: 21.920 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN059870.D
Acq: 27 Jan 2020 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0127WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	23.8	71.4
254	0.0	0.0	0.0

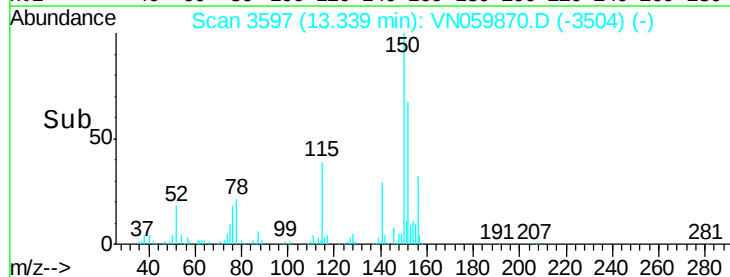
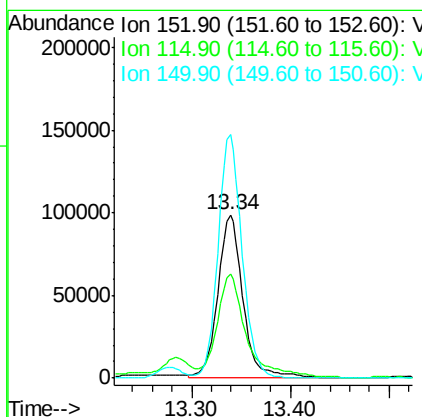
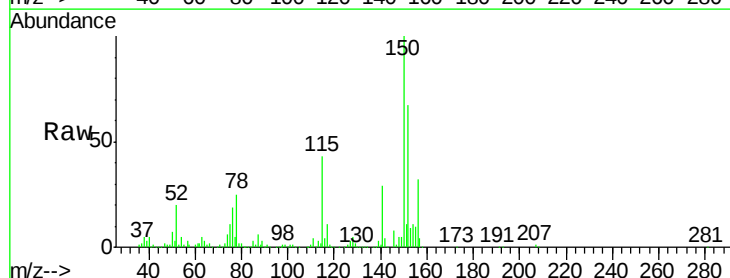
Manual Integrations
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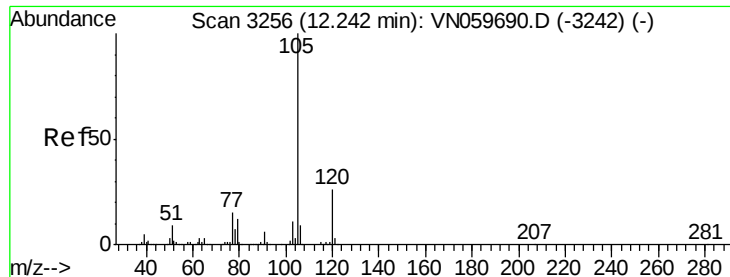
MMDadoda
1/28/2020 9:24:41 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN059870.D
Acq: 27 Jan 2020 14:15

Tgt Ion	Ratio	Lower	Upper
152	100		
115	73.5	30.3	90.9
150	143.4	0.0	345.2





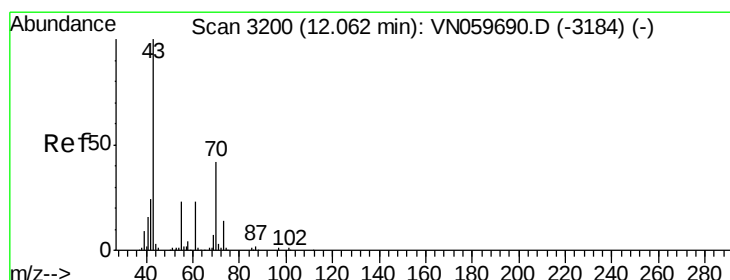
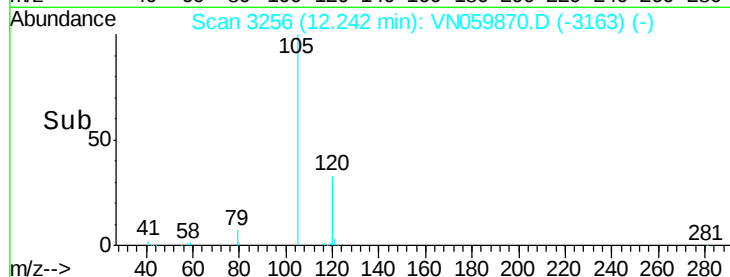
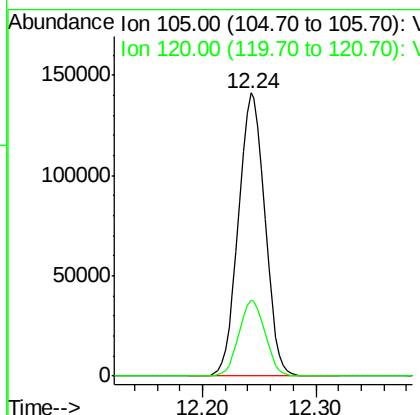
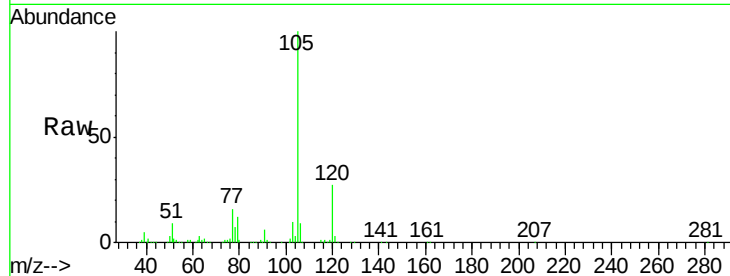
#73
Isopropylbenzene
Concen: 18.037 ug/l
RT: 12.24 min Scan# 3256
Delta R.T. 0.00 min
Lab File: VN059870.D
Acq: 27 Jan 2020 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0127WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.2	39.5

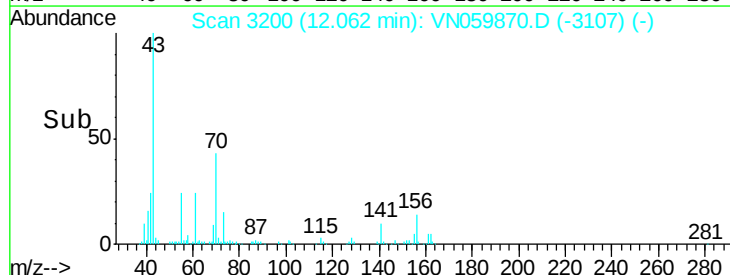
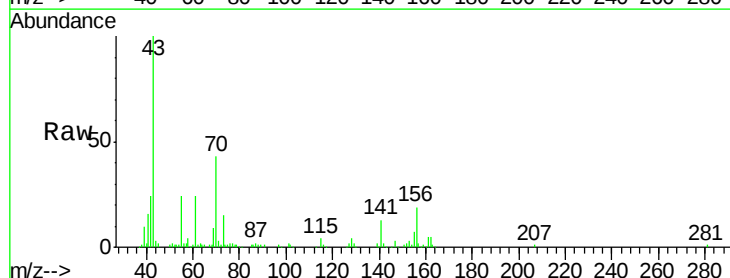
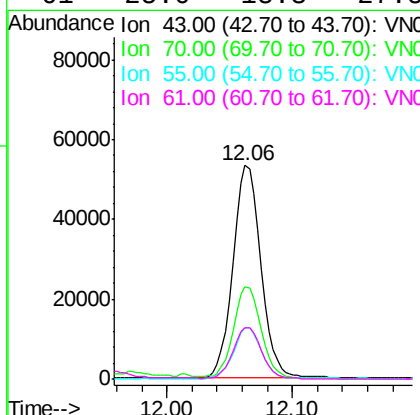
Manual Integrations
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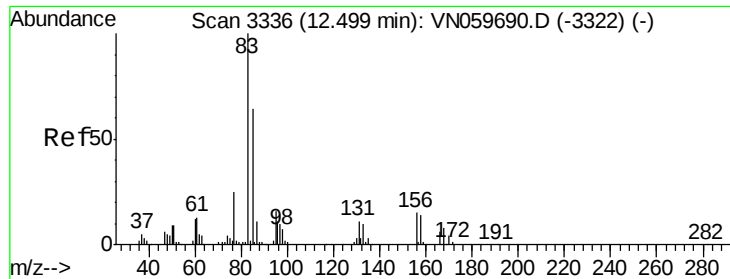
MMDadoda
1/28/2020 9:24:41 AM



#74
N-ethyl acetate
Concen: 16.627 ug/l
RT: 12.06 min Scan# 3200
Delta R.T. 0.00 min
Lab File: VN059870.D
Acq: 27 Jan 2020 14:15

Tgt Ion	Ratio	Lower	Upper
43	100		
70	44.1	31.3	46.9
55	24.8	19.8	29.6
61	25.0	18.3	27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 17.587 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN059870.D

Acq: 27 Jan 2020 14:15

Instrument :

MSVOA_N

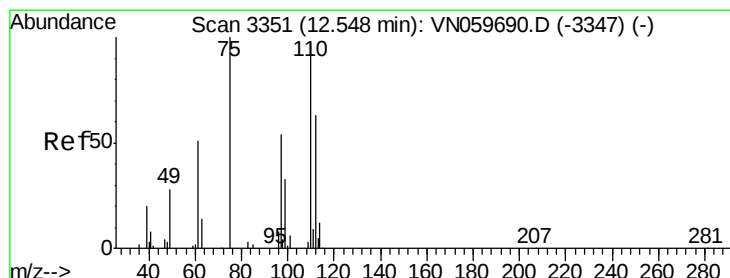
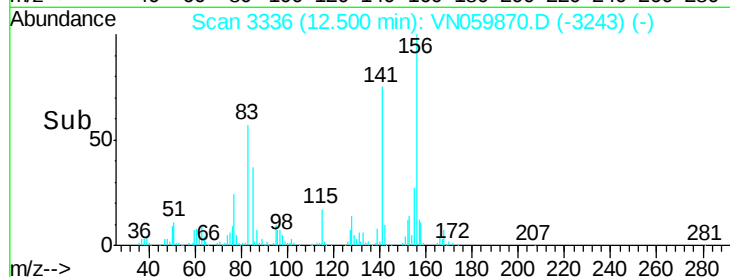
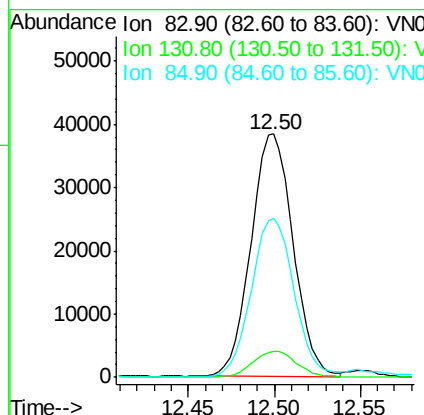
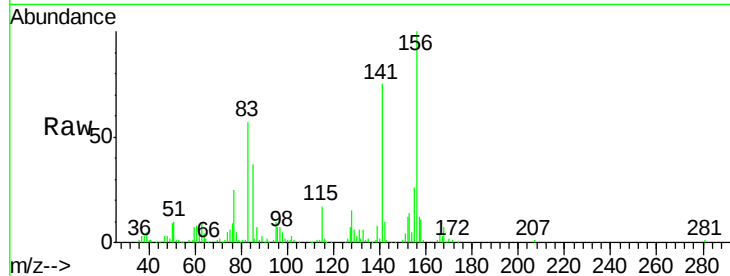
ClientSampleId :

VN0127WBSD01

Tot Ion:	83	Resp:	65326
Ion Ratio	Lower	Upper	
83	100		
131	11.4	5.0	14.9
85	67.0	31.9	95.5

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#76

1,2,3-Trichloropropane

Concen: 21.886 ug/l m

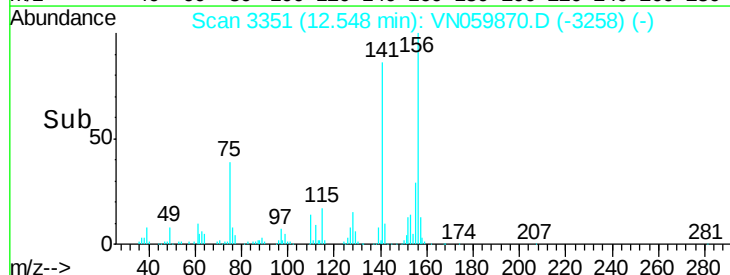
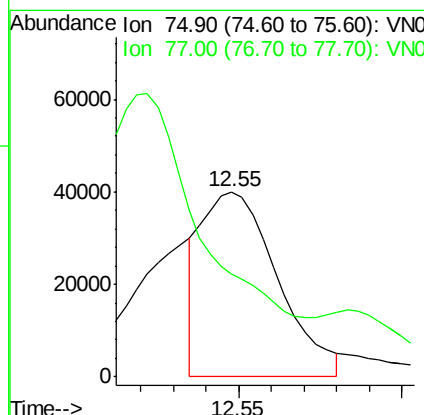
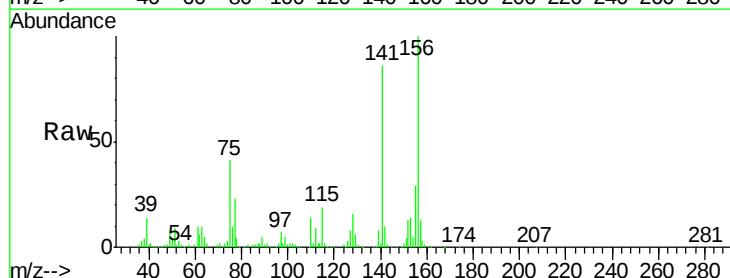
RT: 12.55 min Scan# 3351

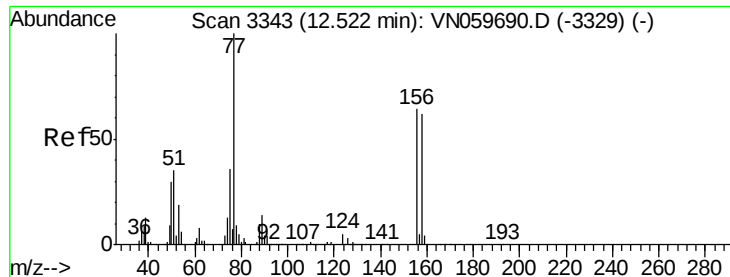
Delta R.T. 0.00 min

Lab File: VN059870.D

Acq: 27 Jan 2020 14:15

Tgt Ion:	75	Resp:	64346
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 152.710 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN059870.D

Acq: 27 Jan 2020 14:15

Instrument :

MSVOA_N

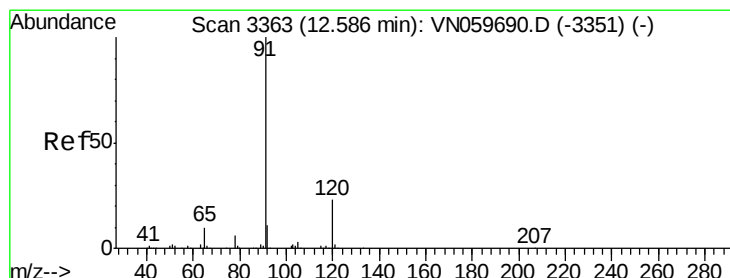
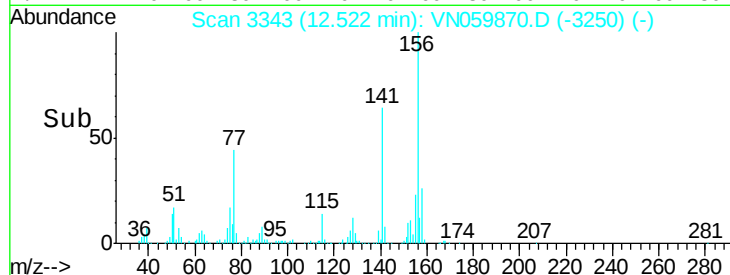
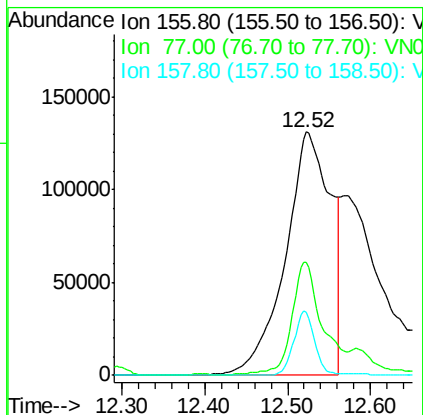
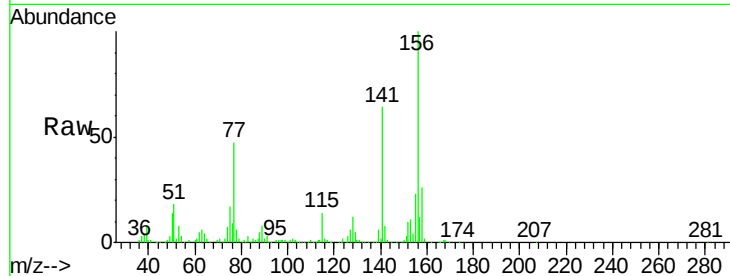
ClientSampled :

VN0127WBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	31.1	115.8	347.4#
158	12.7	49.2	147.6#

Manual Integrations
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1/28/2020 9:24:41 AM



#78

n-propylbenzene

Concen: 18.077 ug/l

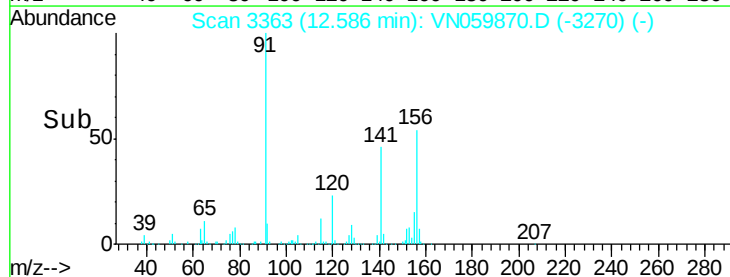
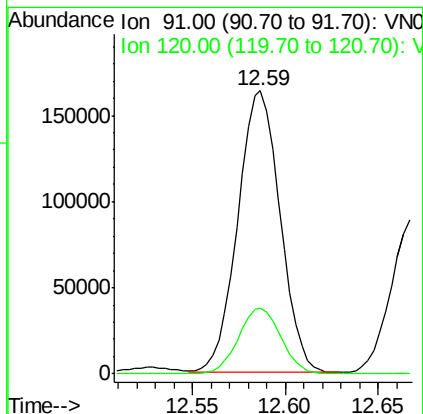
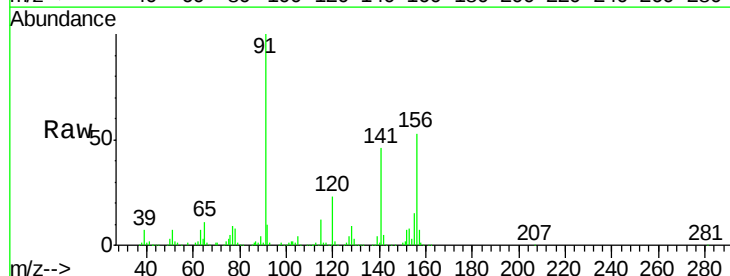
RT: 12.59 min Scan# 3363

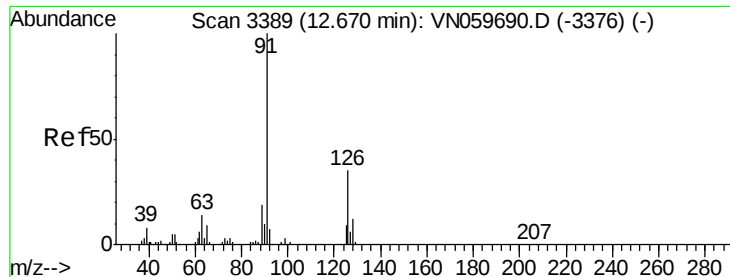
Delta R.T. 0.00 min

Lab File: VN059870.D

Acq: 27 Jan 2020 14:15

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.5	11.1	33.3





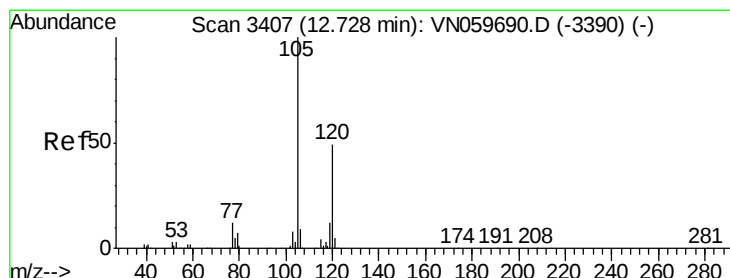
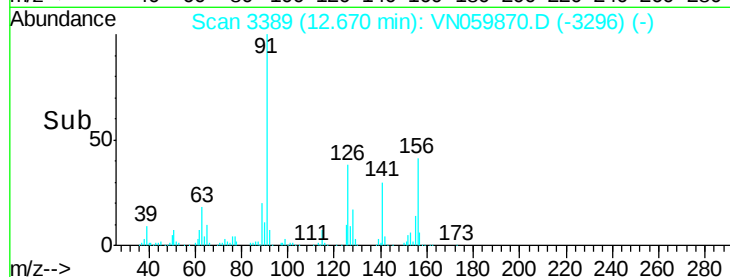
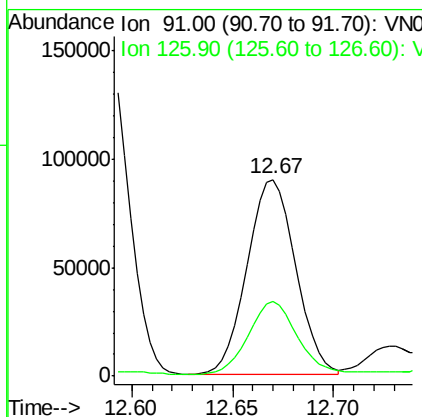
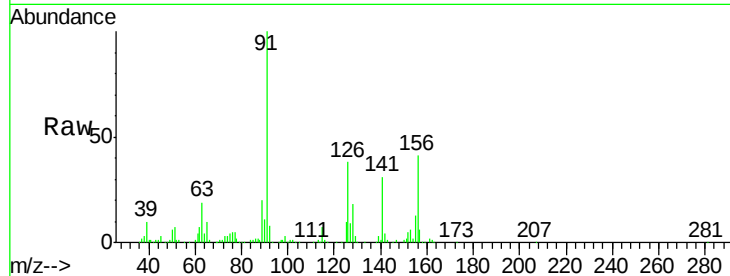
#79
2-Chlorotoluene
Concen: 17.795 ug/l
RT: 12.67 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VN059870.D
Acq: 27 Jan 2020 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0127WBSD01

Tot Ion: 91 Resp: 152244
Ion Ratio Lower Upper
91 100
126 40.8 16.3 48.9

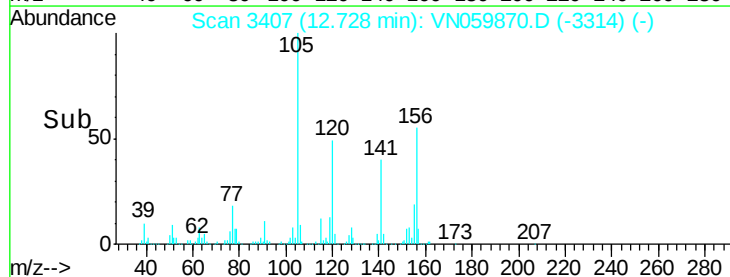
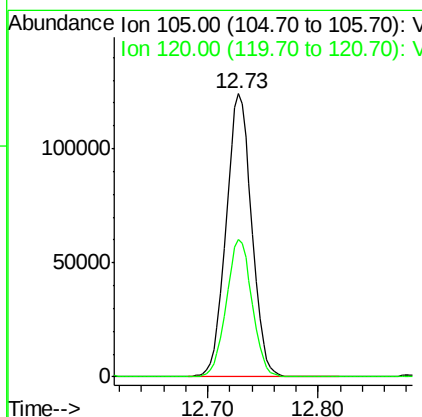
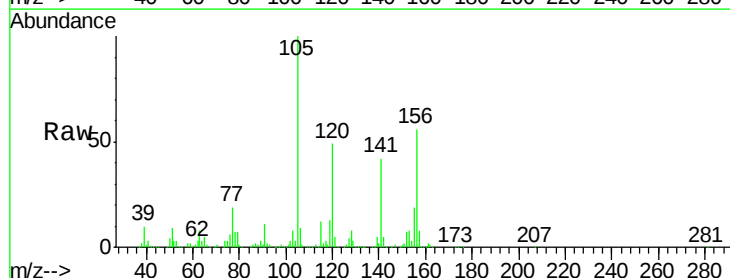
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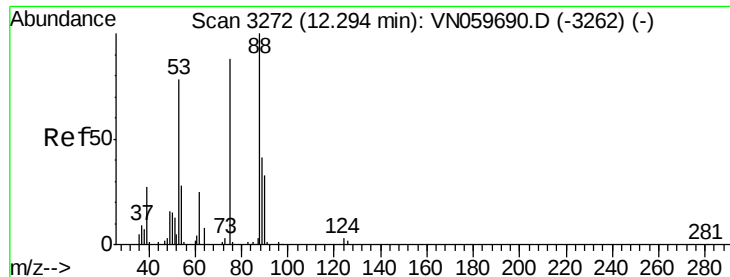
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#80
1,3,5-Trimethylbenzene
Concen: 18.535 ug/l
RT: 12.73 min Scan# 3407
Delta R.T. 0.00 min
Lab File: VN059870.D
Acq: 27 Jan 2020 14:15

Tgt Ion: 105 Resp: 199727
Ion Ratio Lower Upper
105 100
120 48.7 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 17.226 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VN059870.D

Acq: 27 Jan 2020 14:15

Instrument :

MSVOA_N

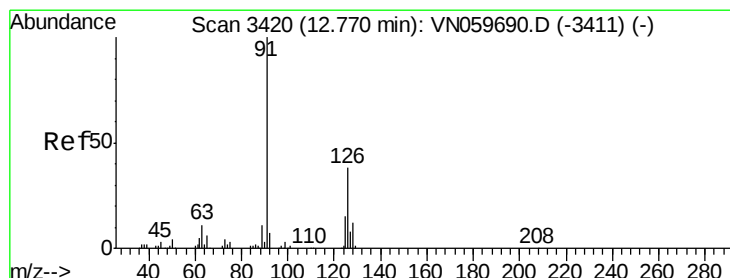
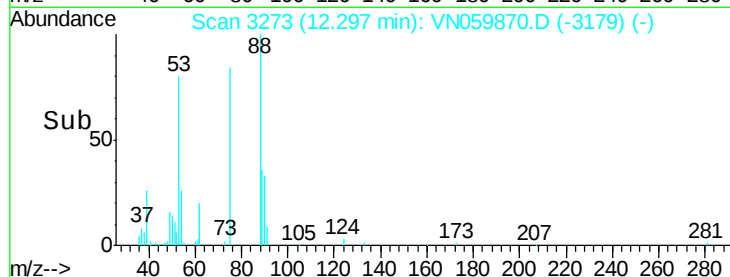
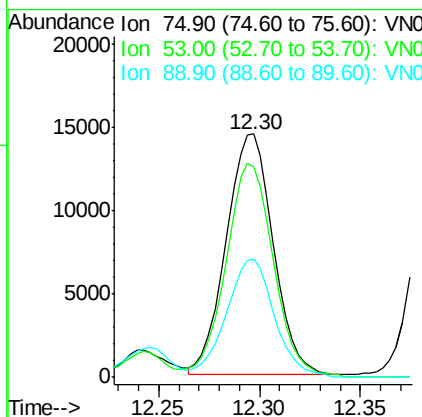
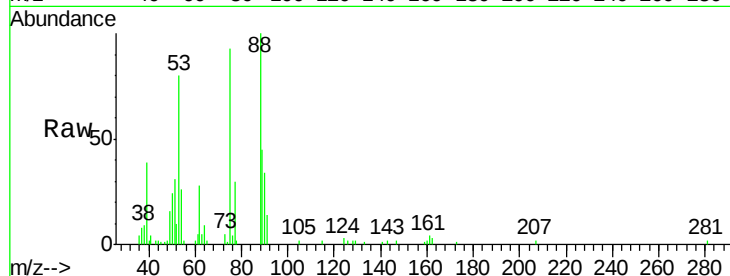
ClientSampleId :

VN0127WBSD01

Tot Ion:	75	Resp:	23584
Ion	Ratio	Lower	Upper
75	100		
53	90.4	78.1	117.1
89	50.4	35.4	53.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 18.122 ug/l

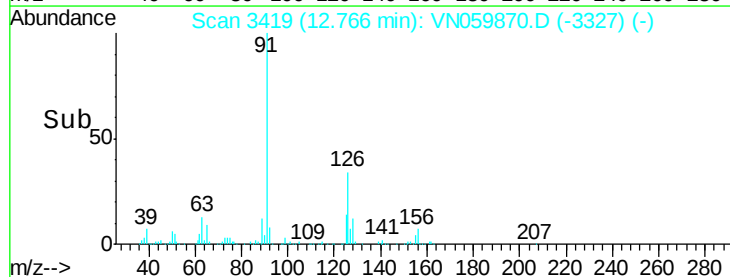
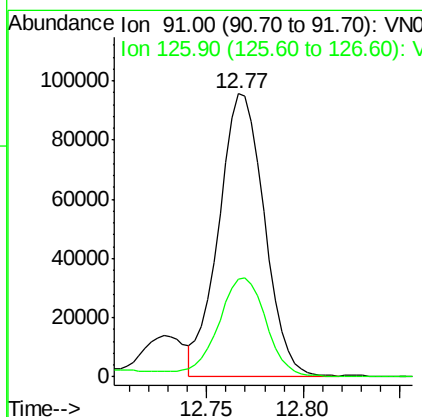
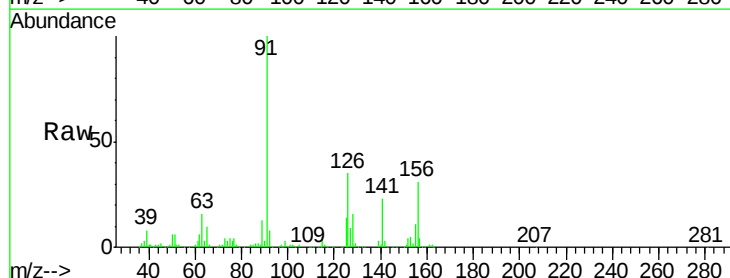
RT: 12.77 min Scan# 3419

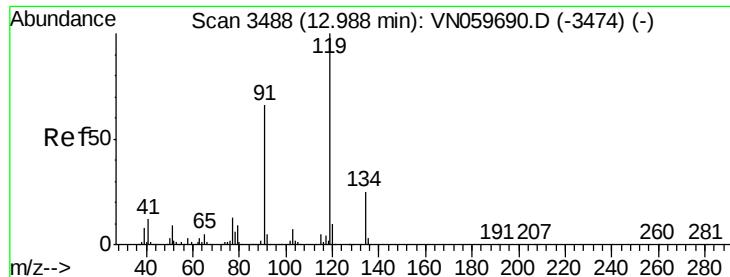
Delta R.T. -0.00 min

Lab File: VN059870.D

Acq: 27 Jan 2020 14:15

Tgt Ion:	91	Resp:	155504
Ion	Ratio	Lower	Upper
91	100		
126	37.6	16.3	48.8





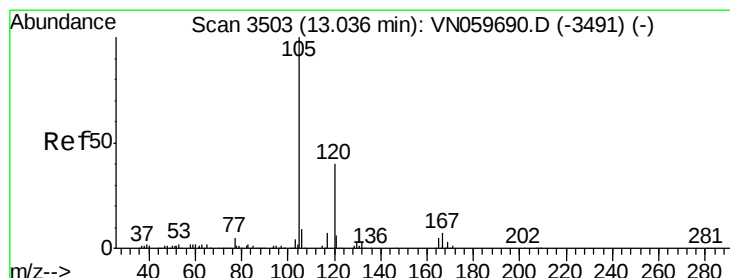
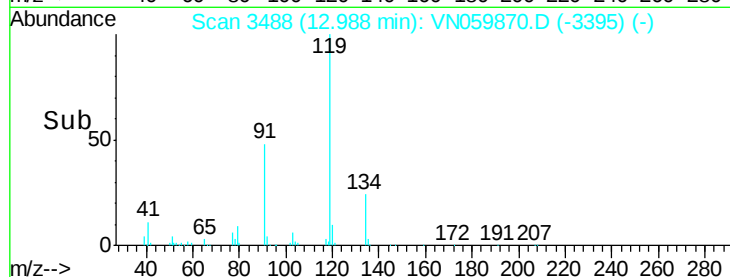
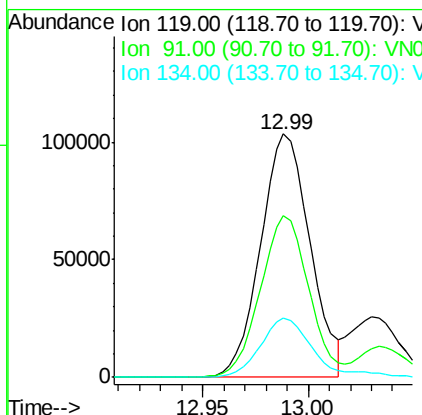
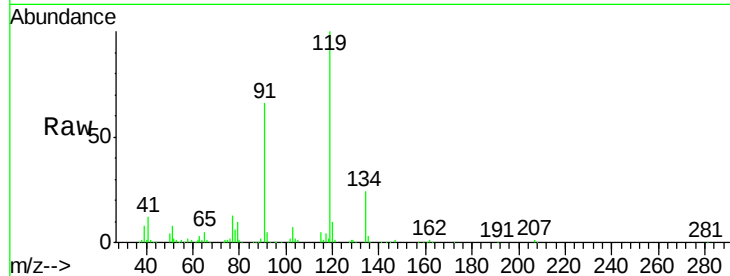
#83
 tert-Butylbenzene
 Concen: 18.142 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. 0.00 min
 Lab File: VN059870.D
 Acq: 27 Jan 2020 14:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0127WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	169077		
91	64.6	34.8	104.4	
134	26.0	12.3	36.9	

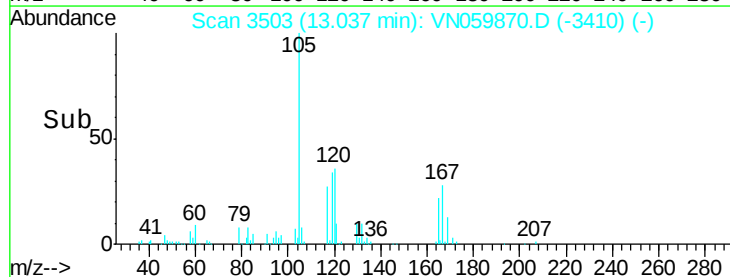
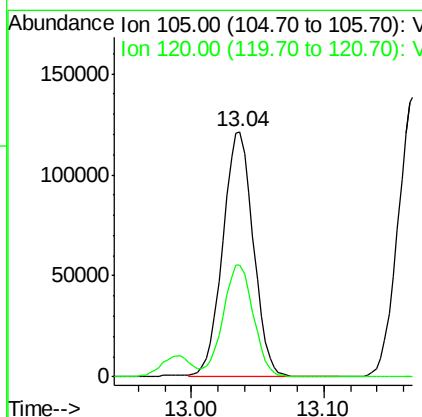
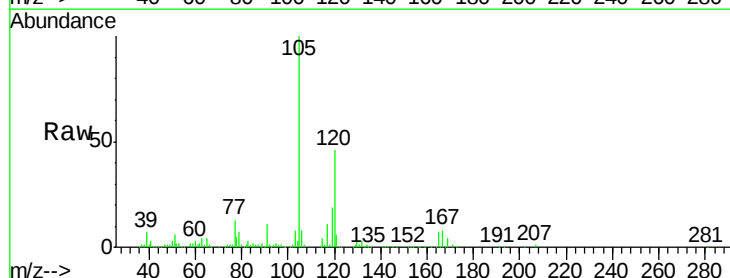
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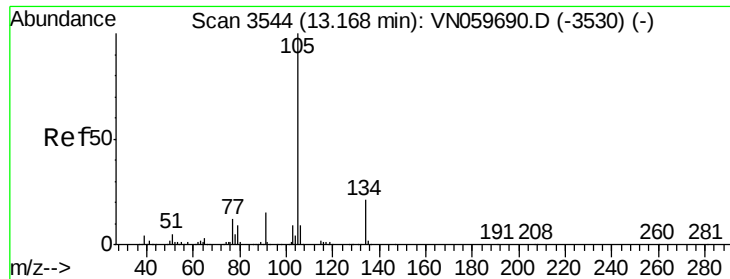
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#84
 1,2,4-Trimethylbenzene
 Concen: 18.141 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN059870.D
 Acq: 27 Jan 2020 14:15

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	193387		
120	45.5	22.3	66.9	





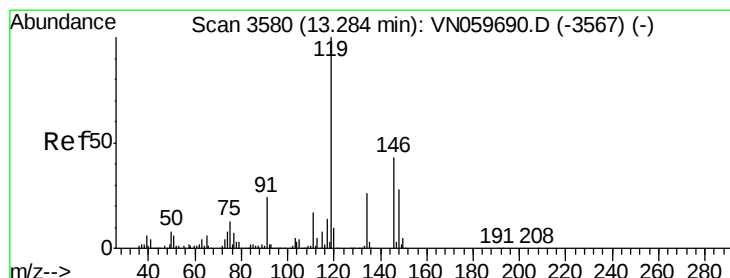
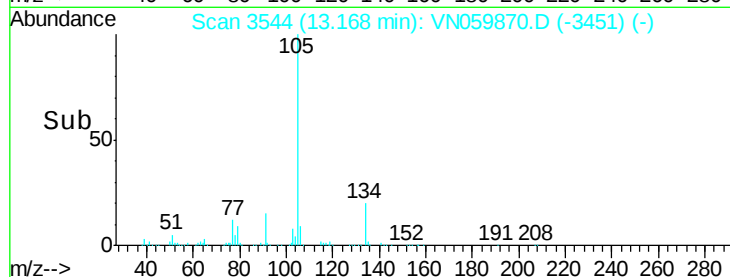
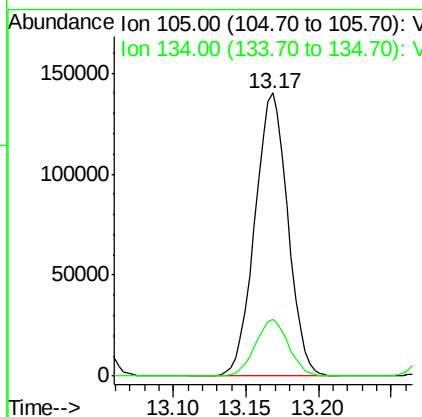
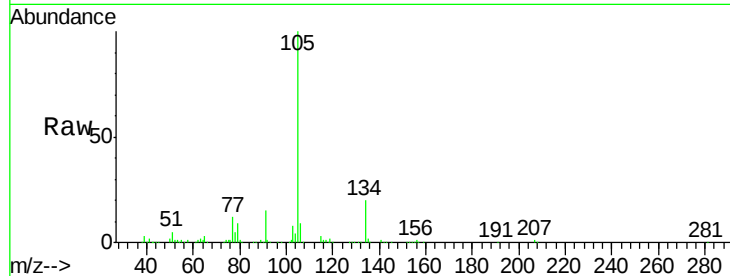
#85
 sec-Butylbenzene
 Concen: 18.115 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN059870.D
 Acq: 27 Jan 2020 14:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0127WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	221805		
134	20.1	9.8	29.5	

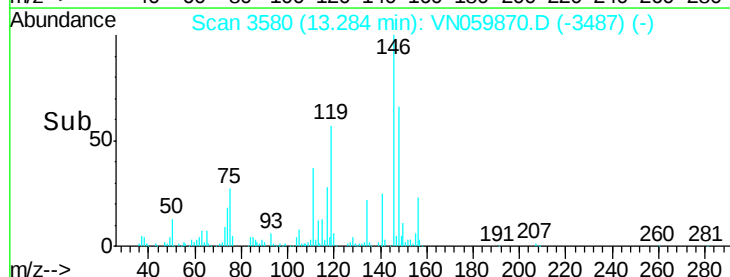
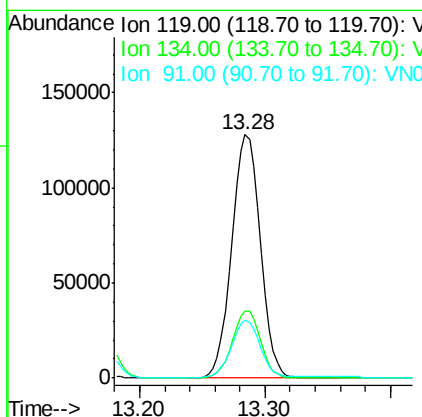
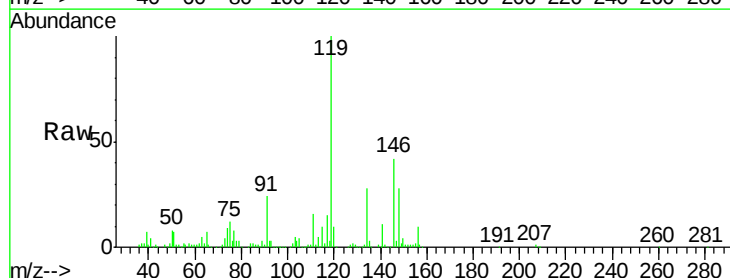
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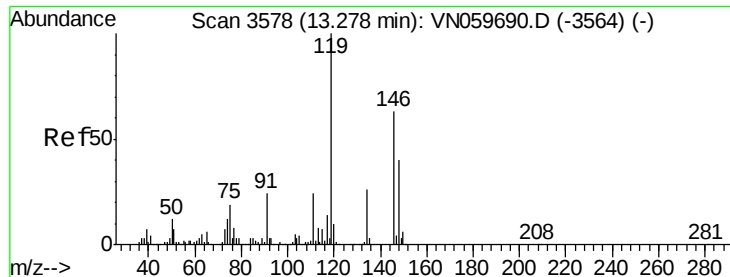
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#86
 p-Isopropyltoluene
 Concen: 17.760 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN059870.D
 Acq: 27 Jan 2020 14:15

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	201211		
134	27.6	12.9	38.7	
91	23.5	12.4	37.4	





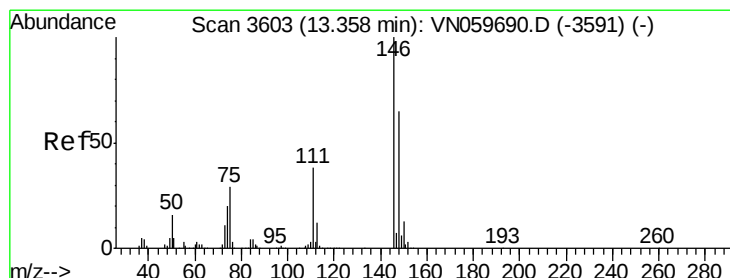
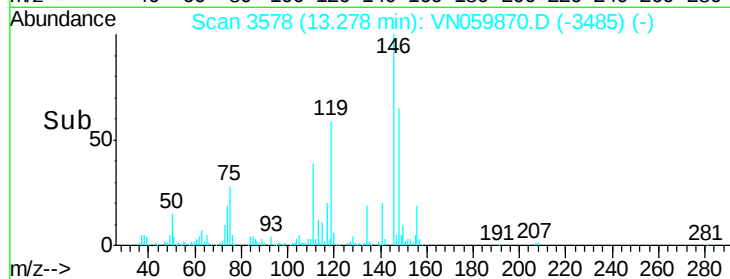
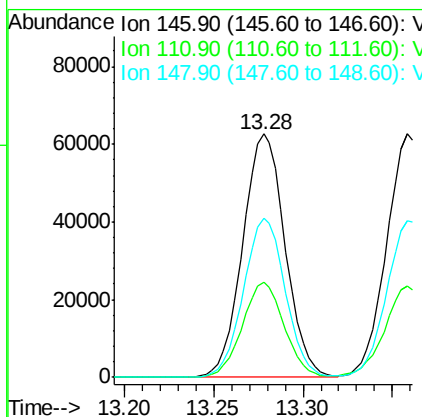
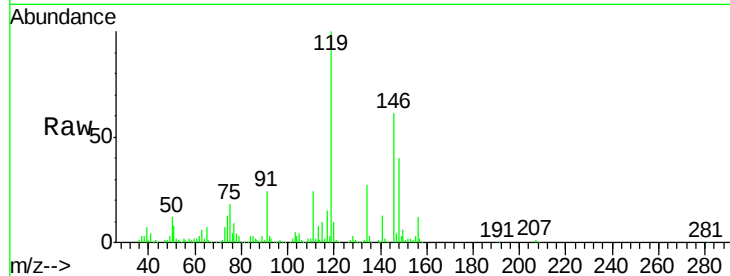
#87
 1,3-Dichlorobenzene
 Concen: 18.404 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. 0.00 min
 Lab File: VN059870.D
 Acq: 27 Jan 2020 14:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0127WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	20.8	62.2
148	64.4	32.0	96.0

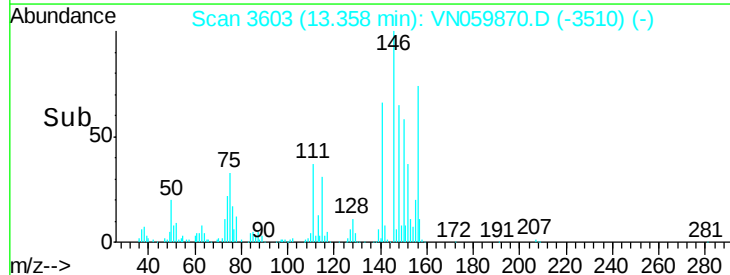
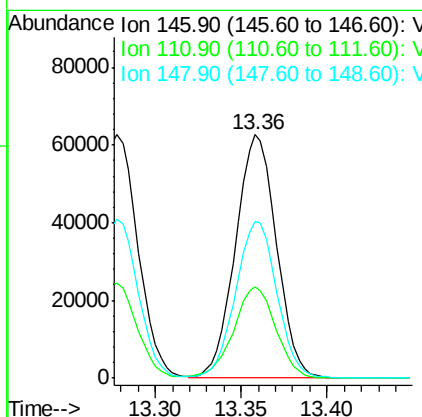
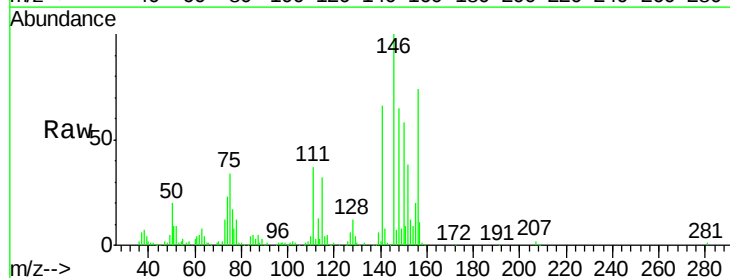
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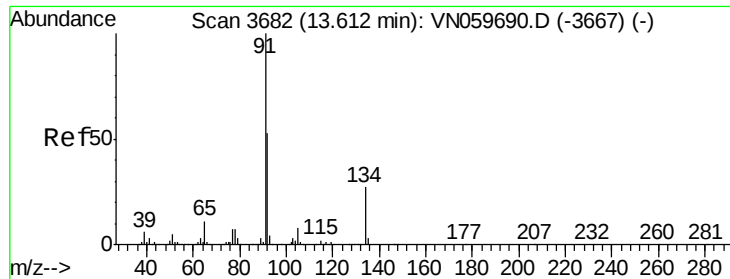
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#88
 1,4-Dichlorobenzene
 Concen: 18.312 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN059870.D
 Acq: 27 Jan 2020 14:15

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.1	20.8	62.2
148	65.6	31.8	95.4





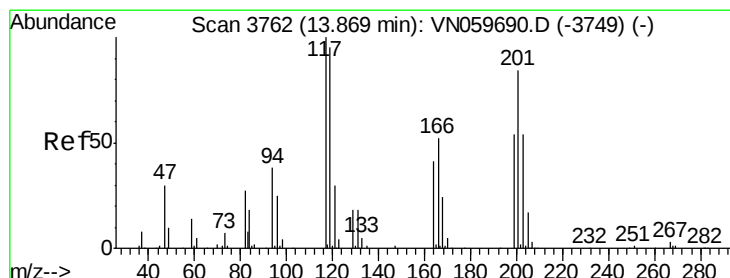
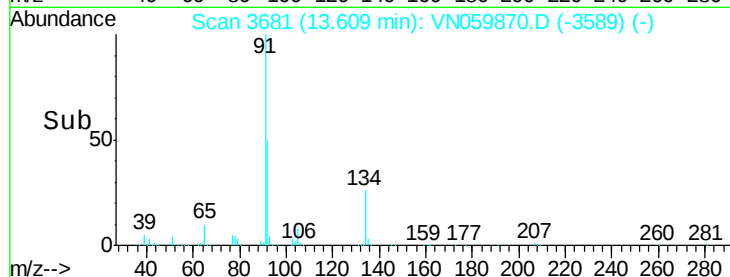
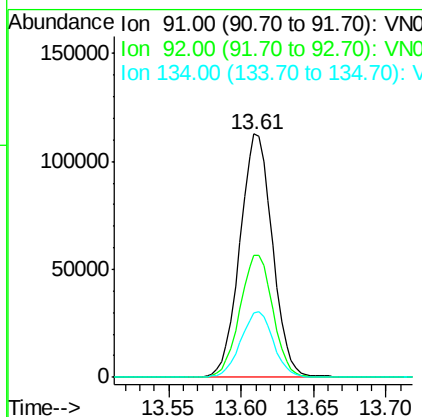
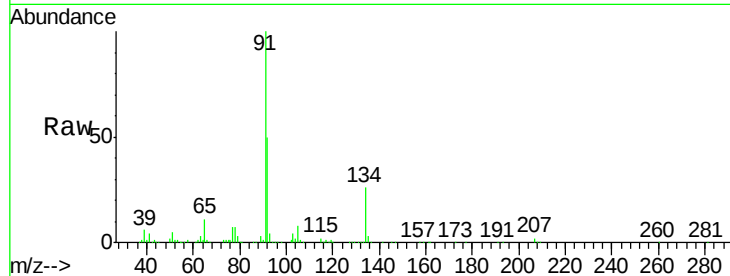
#89
n-Butylbenzene
Concen: 18.129 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. -0.00 min
Lab File: VN059870.D
Acq: 27 Jan 2020 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0127WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.2	25.9	77.7
134	27.3	12.3	36.8

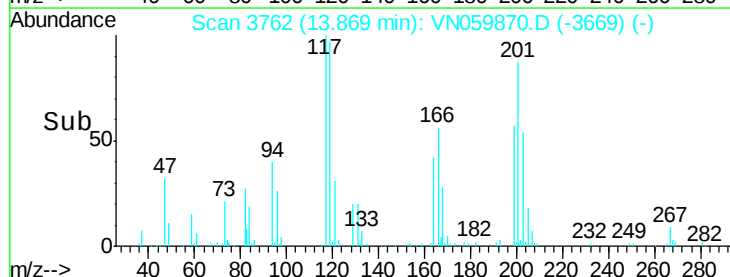
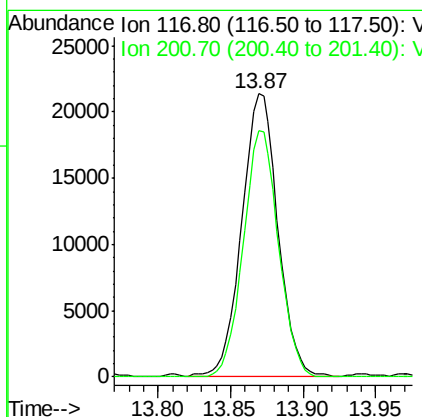
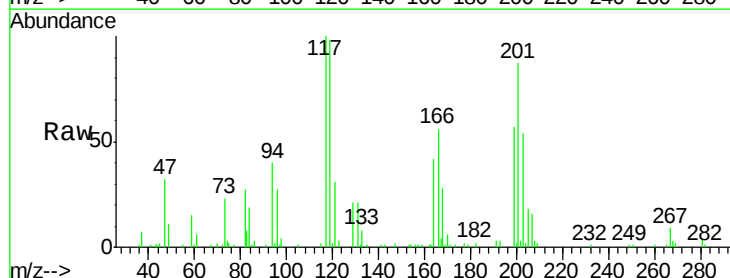
Manual Integrations
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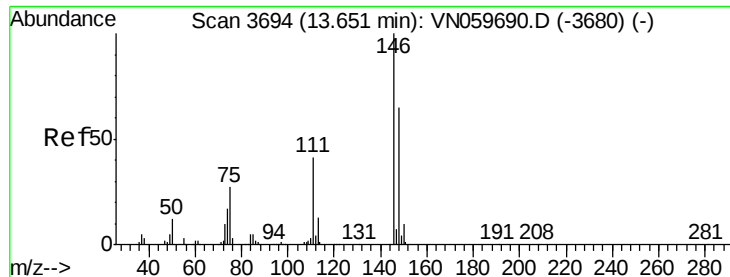
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#90
Hexachloroethane
Concen: 17.484 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. 0.00 min
Lab File: VN059870.D
Acq: 27 Jan 2020 14:15

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.4	37.8	113.4





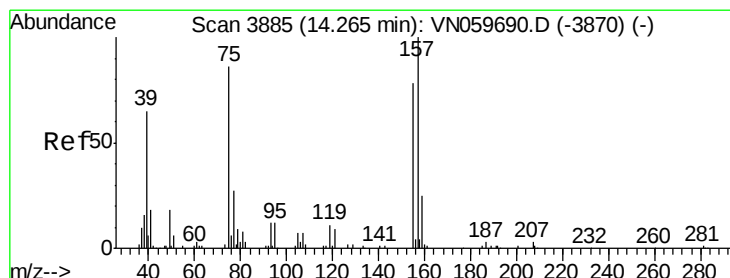
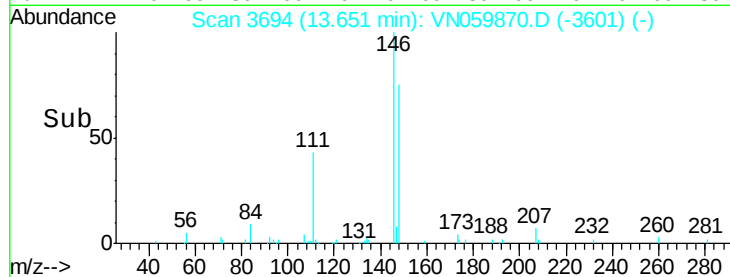
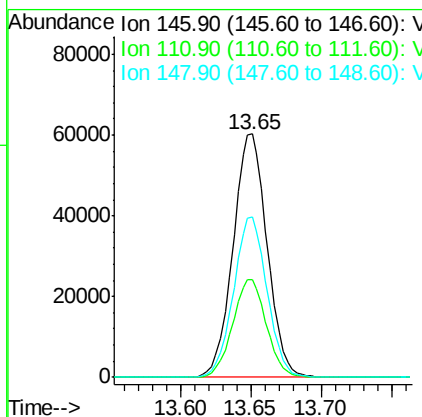
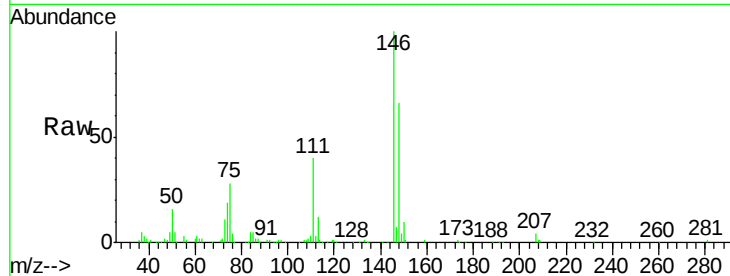
#91
 1,2-Dichlorobenzene
 Concen: 18.245 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN059870.D
 Acq: 27 Jan 2020 14:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0127WBSD01

Tot Ion:	146	Resp:	101662
Ion Ratio	Lower	Upper	
146	100		
111	40.0	21.6	64.8
148	65.0	31.6	95.0

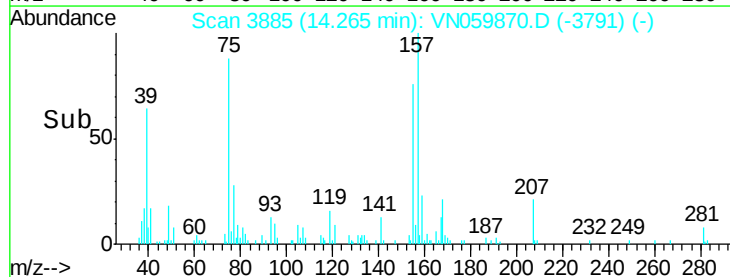
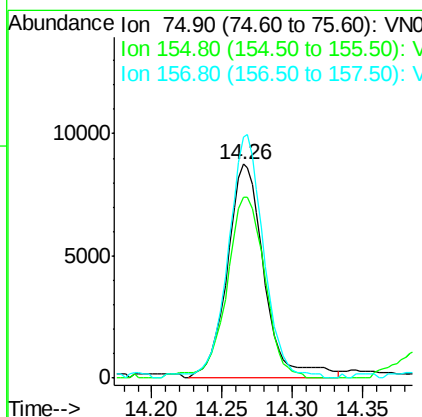
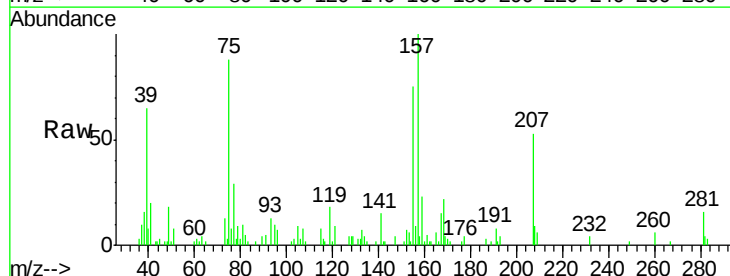
Manual Integrations
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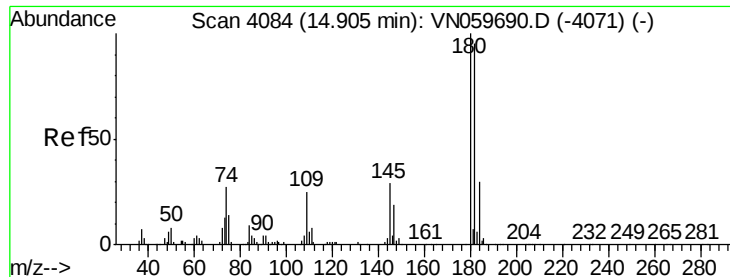
MMDadoda
 1/28/2020 9:24:41 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.860 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN059870.D
 Acq: 27 Jan 2020 14:15

Tgt Ion:	75	Resp:	16073
Ion Ratio	Lower	Upper	
75	100		
155	87.2	37.0	110.9
157	108.2	48.4	145.2





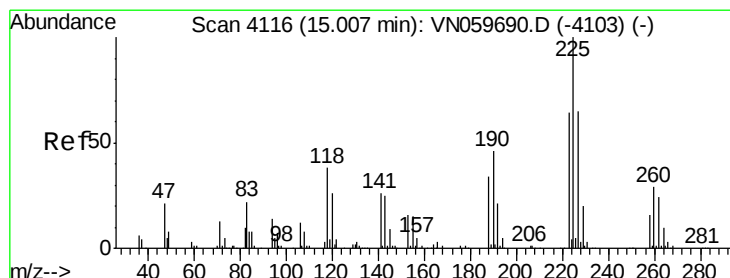
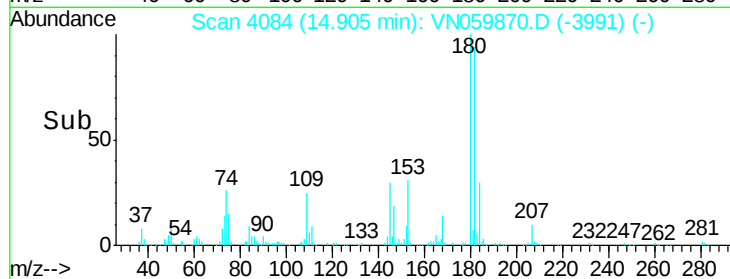
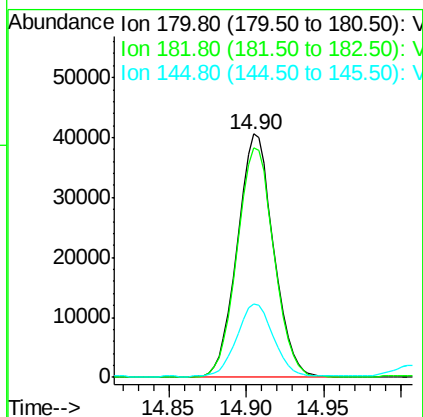
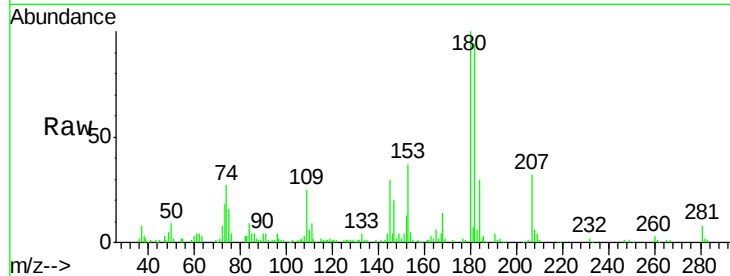
#93
 1,2,4-Trichlorobenzene
 Concen: 19.762 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN059870.D
 Acq: 27 Jan 2020 14:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0127WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	46.9	140.7
145	31.4	15.0	45.1

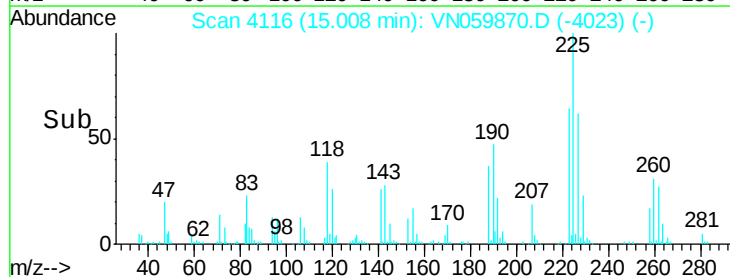
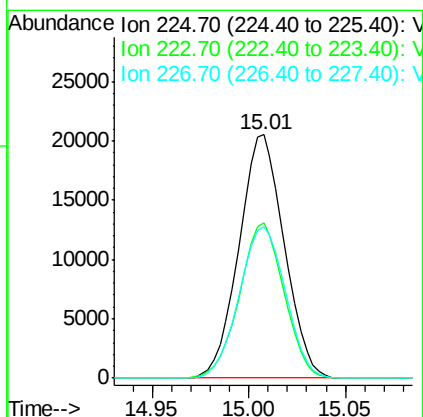
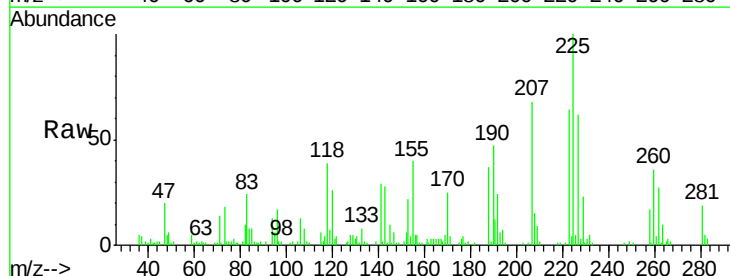
Manual Integrations
 APPROVED

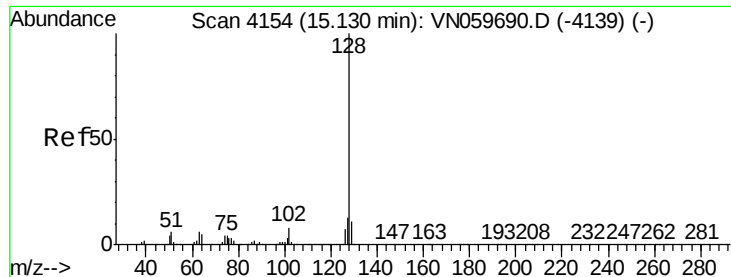
MMDadoda
 1/28/2020 9:24:41 AM



#94
 Hexachlorobutadiene
 Concen: 18.062 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN059870.D
 Acq: 27 Jan 2020 14:15

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	31.8	95.3
227	63.7	32.1	96.5





#95

Naphthalene

Concen: 36.834 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059870.D

Acq: 27 Jan 2020 14:15

Instrument :

MSVOA_N

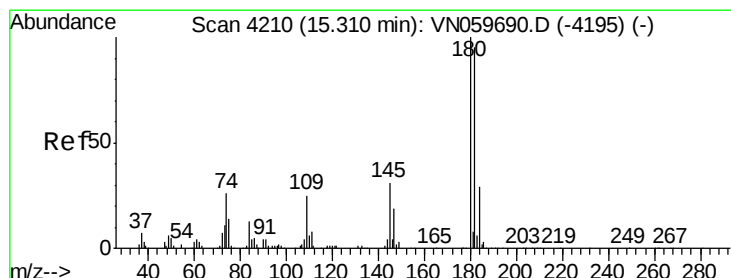
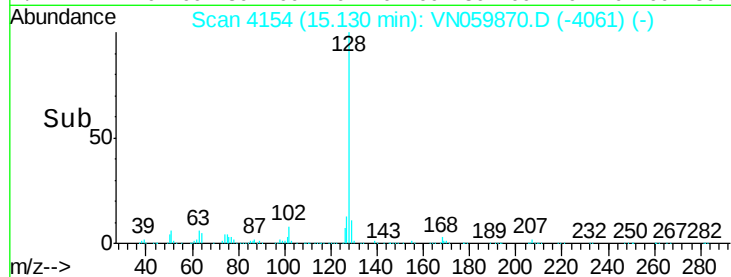
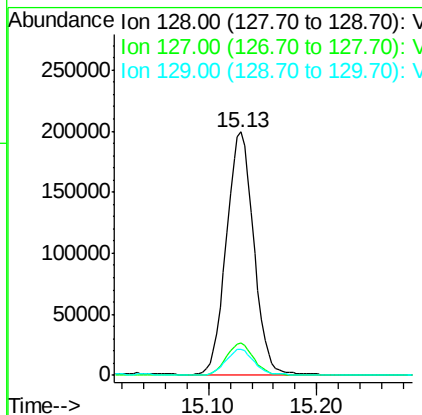
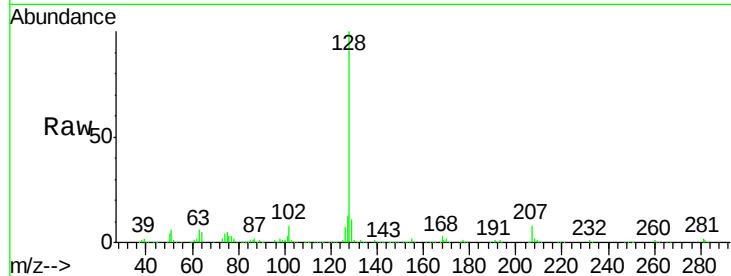
ClientSampleId :

VN0127WBSD01

Tot Ion:	128	Resp:	350779
Ion Ratio	Lower	Upper	
128	100		
127	13.7	10.4	15.6
129	11.4	8.6	12.8

Manual Integrations
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1/28/2020 9:24:41 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.494 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. 0.00 min

Lab File: VN059870.D

Acq: 27 Jan 2020 14:15

Tgt Ion:	180	Resp:	63530
Ion Ratio	Lower	Upper	
180	100		
182	96.3	47.4	142.3
145	32.3	16.3	48.9

