

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021120\
 Data File : VN060056.D
 Acq On : 11 Feb 2020 11:40
 Operator : JC/MD
 Sample : VN0211WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0211WBSD01

Manual Integrations
 APPROVED

MMDadoda
 2/12/2020 3:03:09 PM

Quant Time: Feb 12 04:32:28 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	167149	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	264661	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	243104	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	115147	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	100615	54.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.40%	
35) Dibromofluoromethane	7.56	113	80401	50.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.88%	
50) Toluene-d8	10.08	98	298946	48.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.78%	
62) 4-Bromofluorobenzene	12.40	95	110842	50.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	29521	14.610	ug/l	99
3) Chloromethane	2.04	50	30892	16.143	ug/l	99
4) Vinyl Chloride	2.17	62	40958	18.706	ug/l	99
5) Bromomethane	2.55	94	24525	18.354	ug/l	99
6) Chloroethane	2.69	64	19031	18.372	ug/l	96
7) Trichlorofluoromethane	3.00	101	48620	18.490	ug/l	99
8) Diethyl Ether	3.38	74	19507	21.139	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	3.74	101	28817	19.691	ug/l	93
10) Methyl Iodide	3.93	142	36165	15.288	ug/l	96
11) Tert butyl alcohol	4.73	59	32968	105.502	ug/l	100
12) 1,1-Dichloroethene	3.72	96	27449	17.950	ug/l	84
13) Acrolein	3.58	56	18432	83.326	ug/l	99
14) Allyl chloride	4.29	41	41400	20.085	ug/l #	87
15) Acrylonitrile	4.94	53	78521	110.157	ug/l	99
16) Acetone	3.78	43	82440	125.218	ug/l	97
17) Carbon Disulfide	4.03	76	60929	13.986	ug/l	100
18) Methyl Acetate	4.29	43	49272	22.725	ug/l	93
19) Methyl tert-butyl Ether	5.00	73	109611	21.984	ug/l	96
20) Methylene Chloride	4.52	84	33134	18.926	ug/l	93
21) trans-1,2-Dichloroethene	5.01	96	30226	18.594	ug/l	91
22) Diisopropyl ether	5.91	45	102064	21.850	ug/l	91
23) Vinyl Acetate	5.86	43	379370	104.897	ug/l	95
24) 1,1-Dichloroethane	5.82	63	58881	20.630	ug/l	98
25) 2-Butanone	6.80	43	111555	106.124	ug/l	94
26) 2,2-Dichloropropane	6.80	77	55806	20.338	ug/l	97
27) cis-1,2-Dichloroethene	6.80	96	38248	20.457	ug/l	91
28) Bromochloromethane	7.17	49	25370	22.239	ug/l #	79
29) Tetrahydrofuran	7.18	42	69377	106.671	ug/l	90
30) Chloroform	7.34	83	64062	21.662	ug/l	98
31) Cyclohexane	7.63	56	47601	17.332	ug/l #	89
32) 1,1,1-Trichloroethane	7.54	97	55891	20.441	ug/l	97
36) 1,1-Dichloropropene	7.77	75	42571	18.471	ug/l	97
37) Ethyl Acetate	6.90	43	45299	20.956	ug/l	98
38) Carbon Tetrachloride	7.75	117	48540	19.361	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	50281	17.693	ug/l	93
40) Benzene	8.02	78	130542	18.992	ug/l	100
41) Methacrylonitrile	7.14	41	16412	15.414	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	50246	21.560	ug/l	96
43) Isopropyl Acetate	8.14	43	76179	20.488	ug/l #	96
44) Trichloroethene	8.82	130	36781	19.602	ug/l	97
45) 1,2-Dichloropropane	9.10	63	36316	21.351	ug/l	99
46) Dibromomethane	9.19	93	25228	21.027	ug/l	94
47) Bromodichloromethane	9.39	83	51970	21.494	ug/l	99
48) Methyl methacrylate	9.18	41	32775	19.707	ug/l	92
49) 1,4-Dioxane	9.18	88	13486	442.951	ug/l	93
51) 4-Methyl-2-Pentanone	9.97	43	228561	106.339	ug/l	97
52) Toluene	10.14	92	86286	19.874	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	57437	21.275	ug/l	98
54) cis-1,3-Dichloropropene	9.82	75	60144	21.173	ug/l	94
55) 1,1,2-Trichloroethane	10.55	97	37299	21.691	ug/l	99
56) Ethyl methacrylate	10.42	69	51956	19.774	ug/l	94
57) 1,3-Dichloropropane	10.70	76	59794	21.902	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	93855	118.592	ug/l	94
59) 2-Hexanone	10.74	43	170159	107.462	ug/l	97
60) Dibromochloromethane	10.89	129	41078	20.978	ug/l	99
61) 1,2-Dibromoethane	10.99	107	37529	20.823	ug/l	99
64) Tetrachloroethene	10.62	164	39274	19.822	ug/l	96
65) Chlorobenzene	11.43	112	95811	20.051	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	38547	20.878	ug/l	99
67) Ethyl Benzene	11.50	91	168694	19.448	ug/l	99
68) m/p-Xylenes	11.62	106	126000	38.455	ug/l	96
69) o-Xylene	11.94	106	61941	19.310	ug/l	97
70) Styrene	11.96	104	99532	18.543	ug/l	98
71) Bromoform	12.12	173	30217	20.432	ug/l #	99
73) Isopropylbenzene	12.25	105	167619	19.849	ug/l	100
74) N-amyl acetate	12.07	43	64811	19.778	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	52722	21.535	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	47770m	24.652	ug/l	
77) Bromobenzene	12.52	156	43388	20.288	ug/l	85
78) n-propylbenzene	12.59	91	188249	19.861	ug/l	99
79) 2-Chlorotoluene	12.67	91	113742	20.172	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	139499	19.642	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	18221	20.193	ug/l	96
82) 4-Chlorotoluene	12.77	91	115165	20.363	ug/l	97
83) tert-Butylbenzene	12.99	119	120877	19.679	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	142948	20.345	ug/l	99
85) sec-Butylbenzene	13.17	105	163503	20.260	ug/l	100
86) p-Isopropyltoluene	13.28	119	147518	19.755	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	74156	19.962	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	75574	20.393	ug/l	98
89) n-Butylbenzene	13.61	91	128748	20.221	ug/l	99
90) Hexachloroethane	13.87	117	27855	19.937	ug/l	92
91) 1,2-Dichlorobenzene	13.65	146	74264	20.222	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.26	75	11303	20.269	ug/l	91

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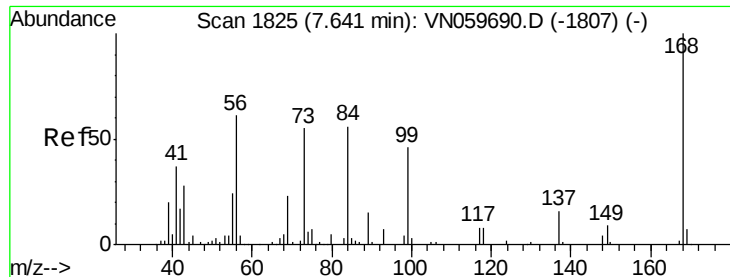
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	45625	20.675	ug/l	99
94) Hexachlorobutadiene	15.01	225	24966	20.530	ug/l	99
95) Naphthalene	15.13	128	127641	20.336	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	45772	21.310	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: VN060056.D

Acq: 11 Feb 2020 11:40

Instrument :

MSVOA_N

ClientSampleId :

VN0211WBSD01

Tot Ion:168 Resp: 167149

Ion Ratio Lower Upper

168 100

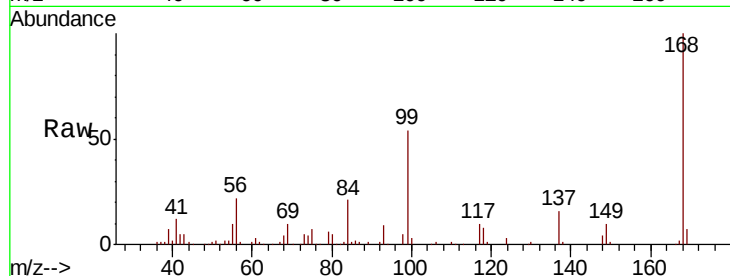
99 54.3 48.2 72.4

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

60000

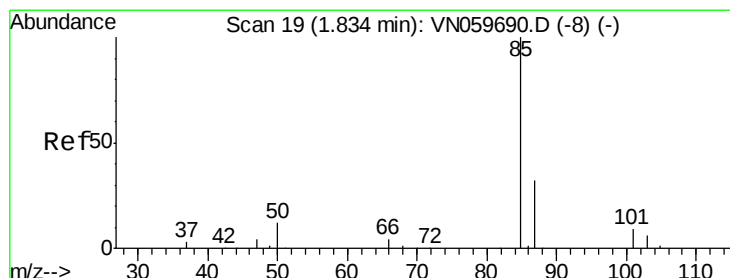
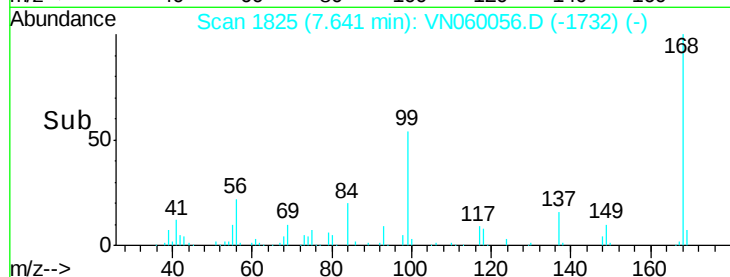
40000

20000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 14.610 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060056.D

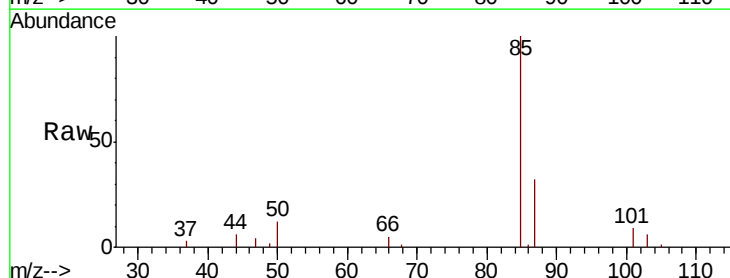
Acq: 11 Feb 2020 11:40

Tgt Ion: 85 Resp: 29521

Ion Ratio Lower Upper

85 100

87 32.2 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

25000

20000

15000

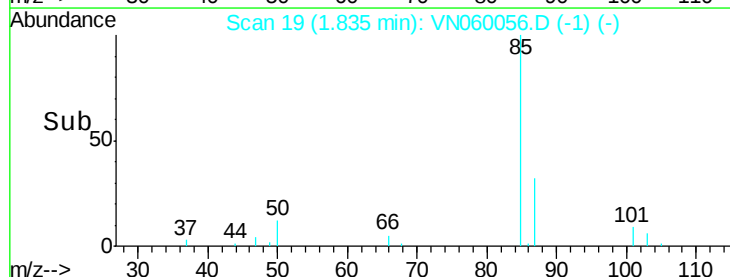
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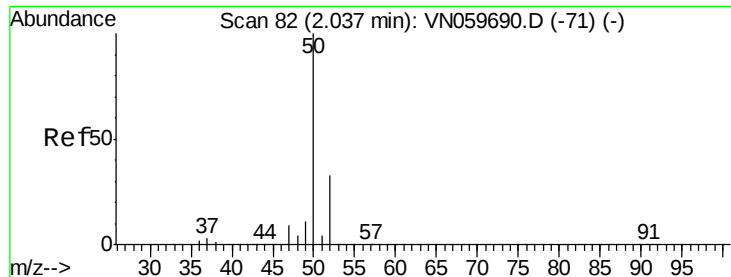
5000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 16.143 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060056.D

Acq: 11 Feb 2020 11:40

Instrument :

MSVOA_N

ClientSampleId :

VN0211WBSD01

Tot Ion: 50 Resp: 30892

Ion Ratio Lower Upper

50 100

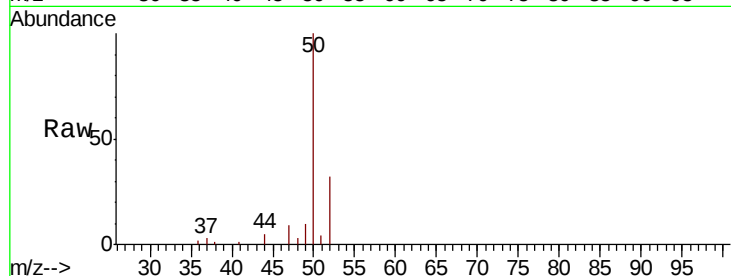
52 32.1 25.9 38.9

Manual Integrations

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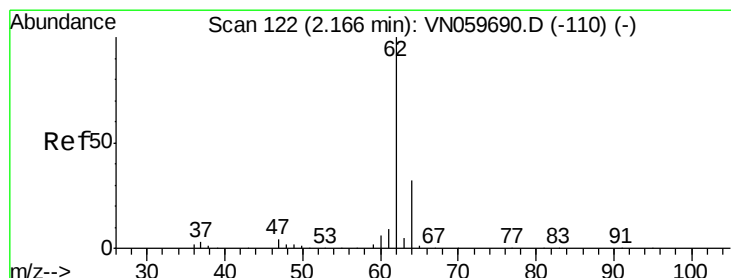
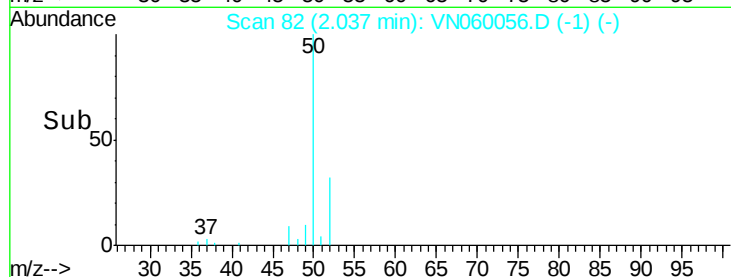
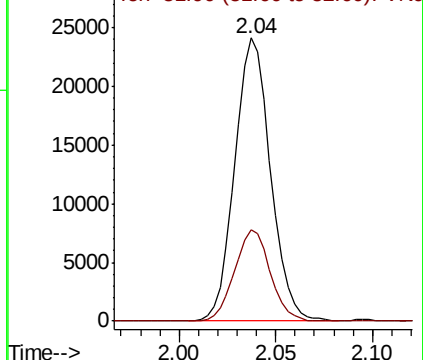
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 18.706 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN060056.D

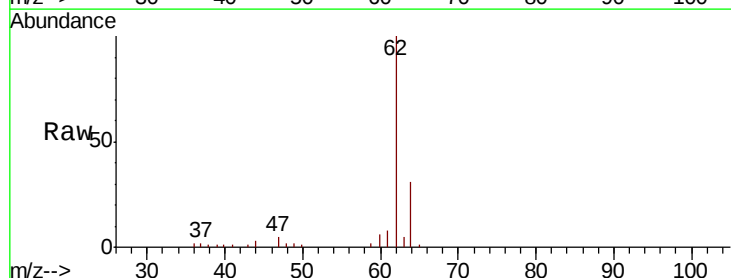
Acq: 11 Feb 2020 11:40

Tgt Ion: 62 Resp: 40958

Ion Ratio Lower Upper

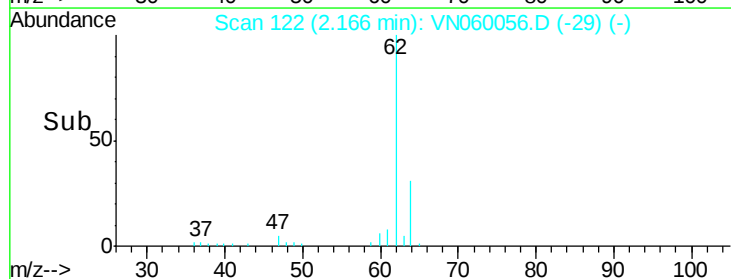
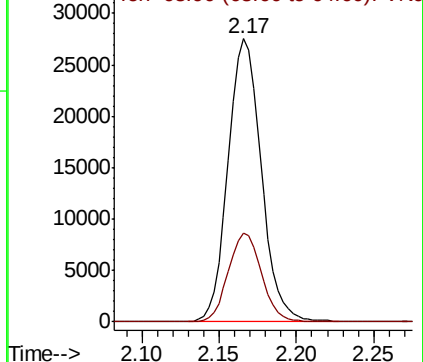
62 100

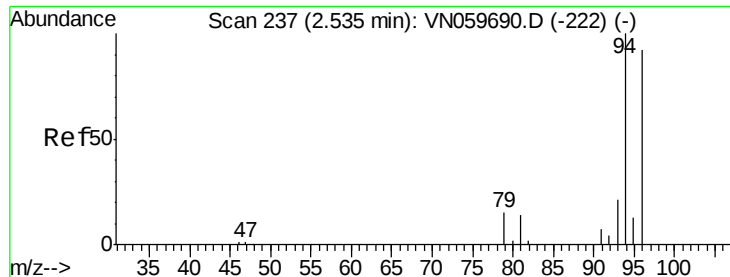
64 31.2 24.6 37.0



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 18.354 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN060056.D

Acq: 11 Feb 2020 11:40

Instrument :

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ClientSampleId :

VN0211WBSD01

Tot Ion: 94 Resp: 24525

Ion Ratio Lower Upper

94 100

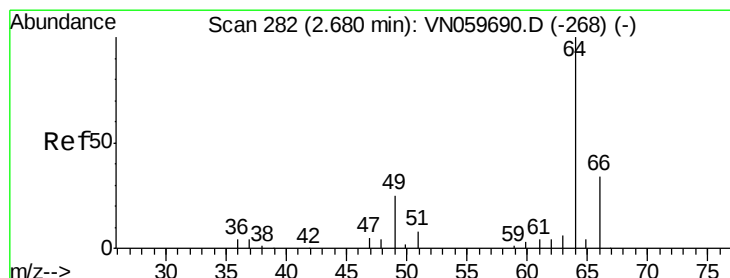
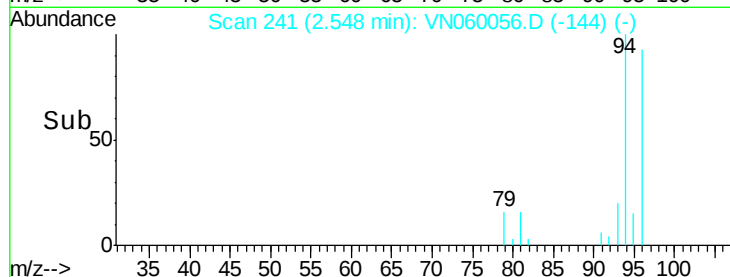
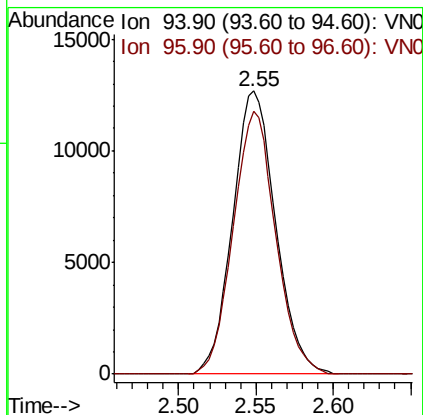
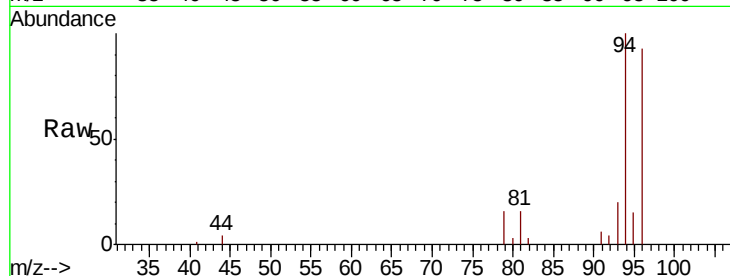
96 92.7 74.7 112.1

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#6

Chloroethane

Concen: 18.372 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.01 min

Lab File: VN060056.D

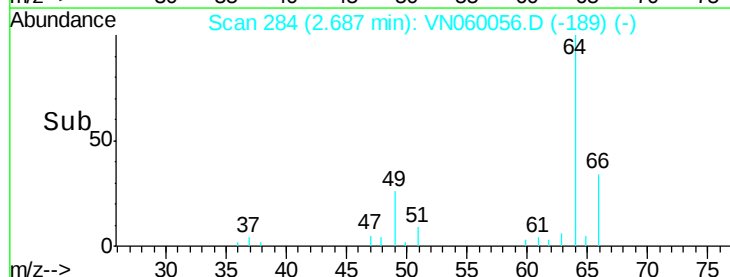
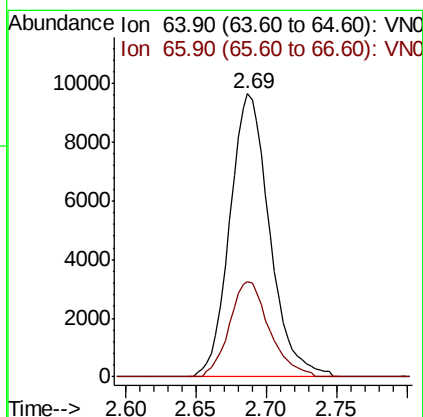
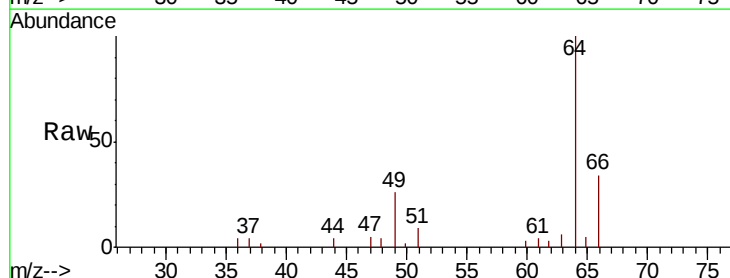
Acq: 11 Feb 2020 11:40

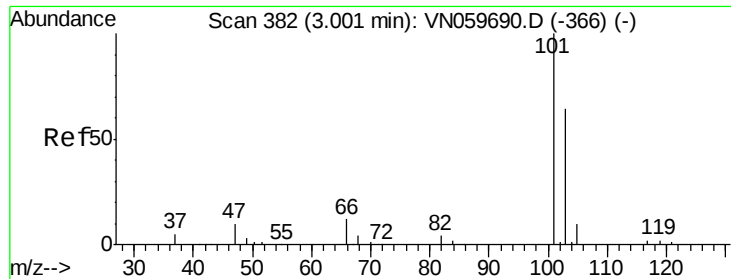
Tgt Ion: 64 Resp: 19031

Ion Ratio Lower Upper

64 100

66 33.8 25.1 37.7





#7

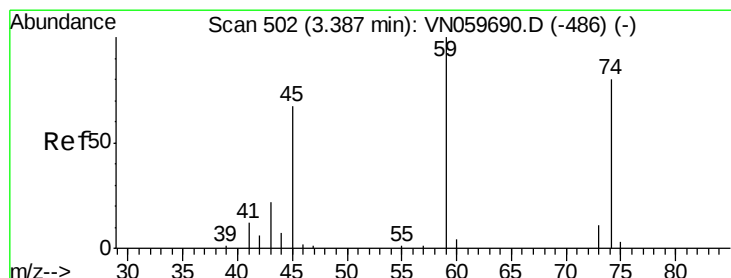
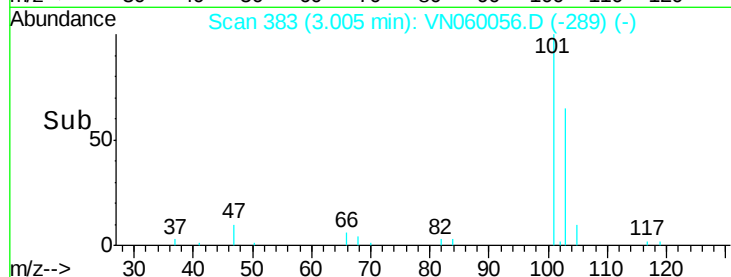
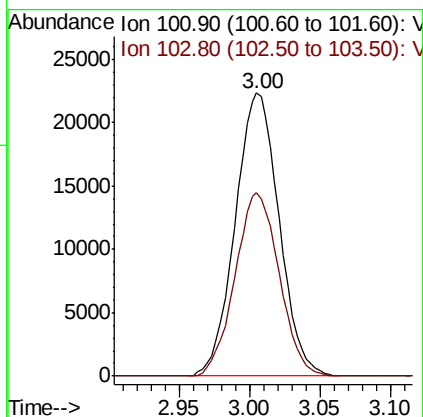
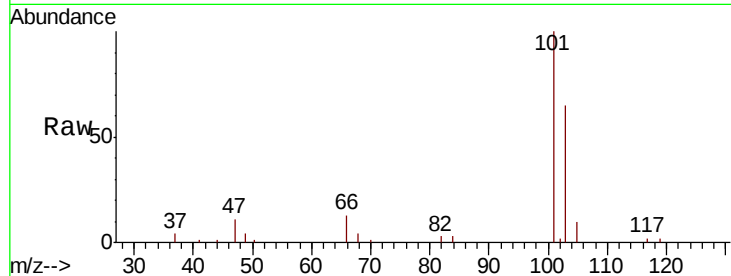
Trichlorofluoromethane
Concen: 18.490 ug/l
RT: 3.00 min Scan# 383
Delta R.T. 0.00 min
Lab File: VN060056.D
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ClientSampleId :
VN0211WBSD01

Tot Ion:101 Resp: 48620
Ion Ratio Lower Upper
101 100
103 64.8 51.0 76.6

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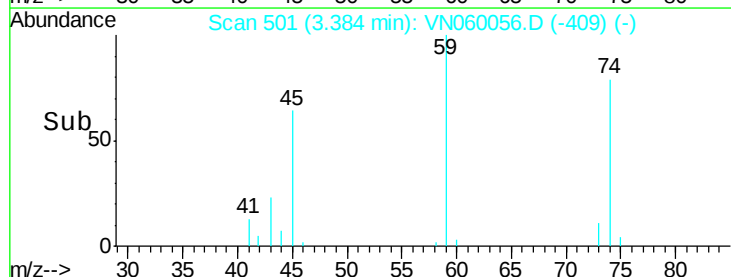
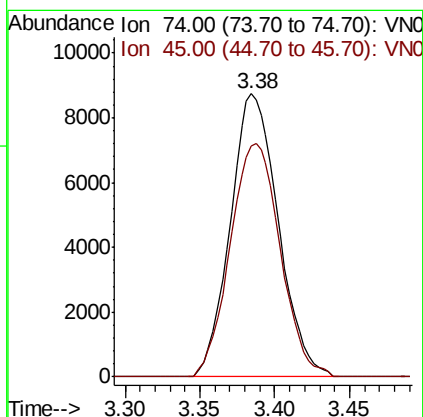
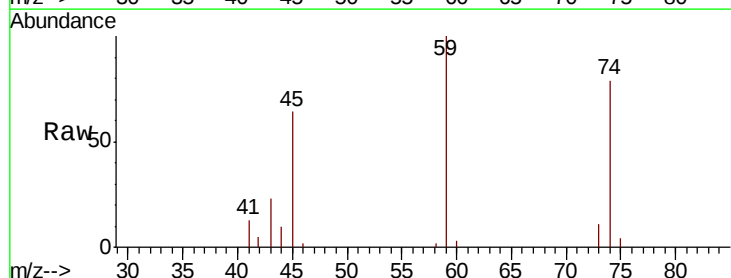
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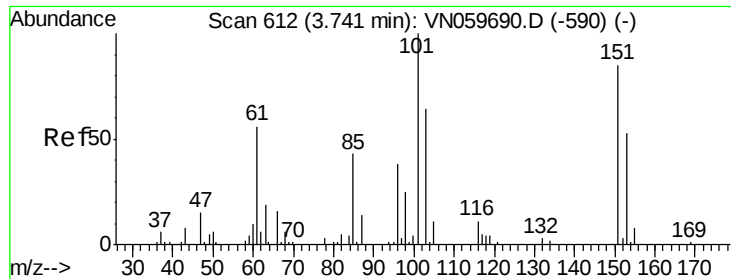


#8

Diethyl Ether
Concen: 21.139 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.00 min
Lab File: VN060056.D
Acq: 11 Feb 2020 11:40

Tgt Ion: 74 Resp: 19507
Ion Ratio Lower Upper
74 100
45 85.9 51.9 155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.691 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN060056.D

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Instrument :

MSVOA_N

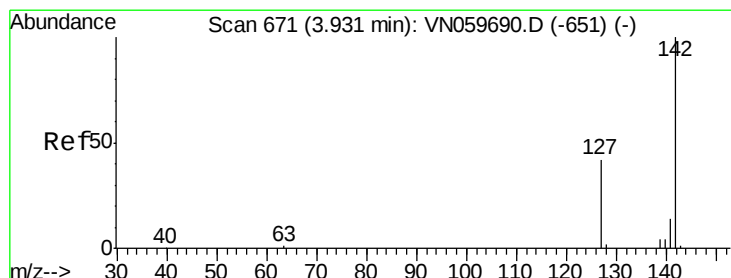
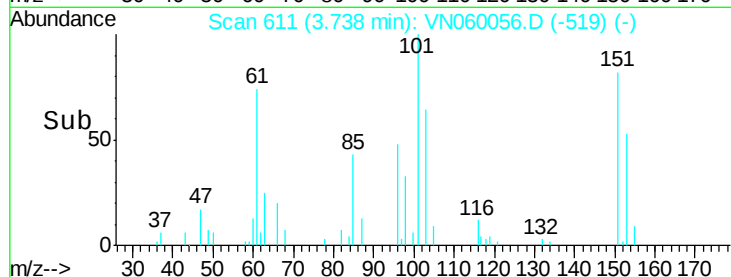
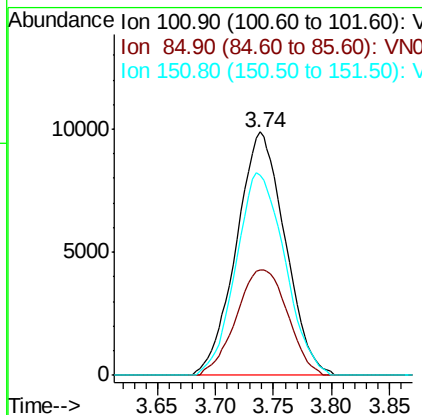
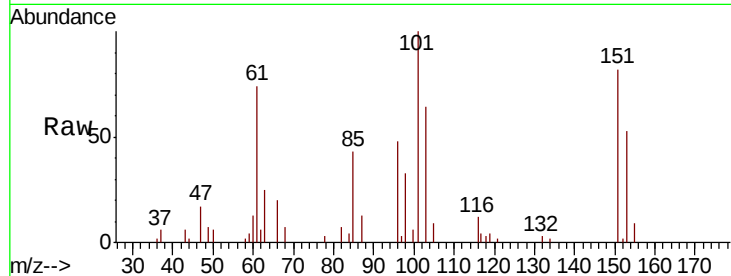
ClientSampled :

VN0211WBSD01

Tot Ion:	101	Resp:	28817
Ion Ratio	Lower	Upper	
101	100		
85	45.6	36.6	54.8
151	83.5	59.7	89.5

Manual Integrations
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#10

Methyl Iodide

Concen: 15.288 ug/l

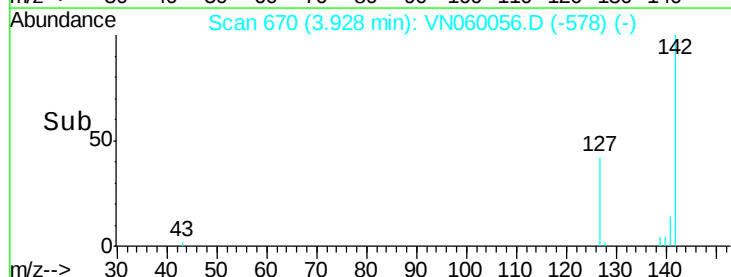
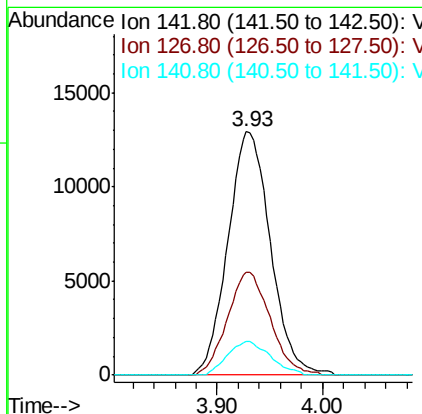
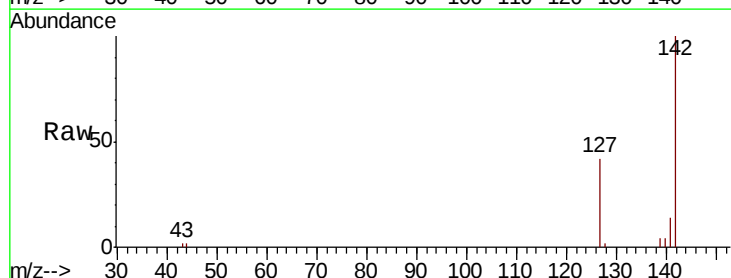
RT: 3.93 min Scan# 670

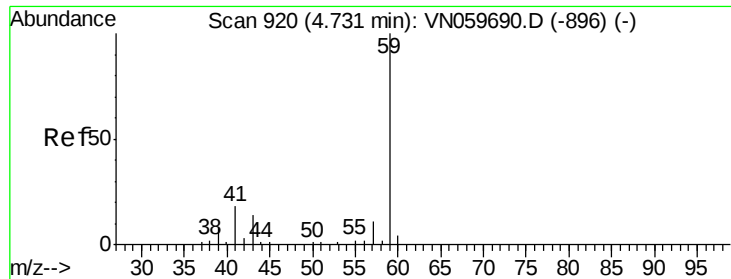
Delta R.T. -0.00 min

Lab File: VN060056.D

Acq: 11 Feb 2020 11:40

Tgt Ion:	142	Resp:	36165
Ion Ratio	Lower	Upper	
142	100		
127	42.5	36.7	55.1
141	14.0	11.7	17.5





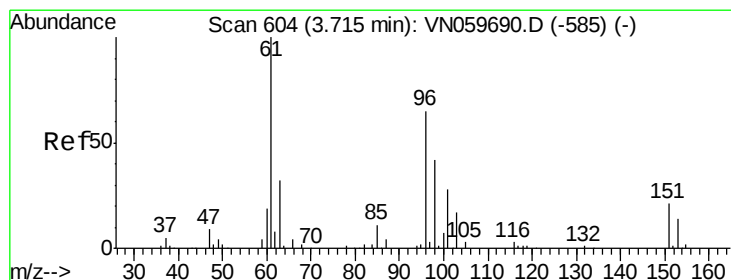
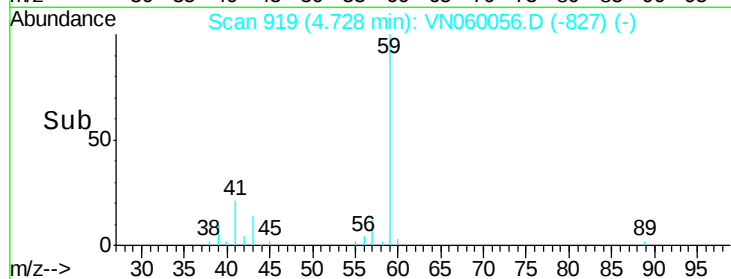
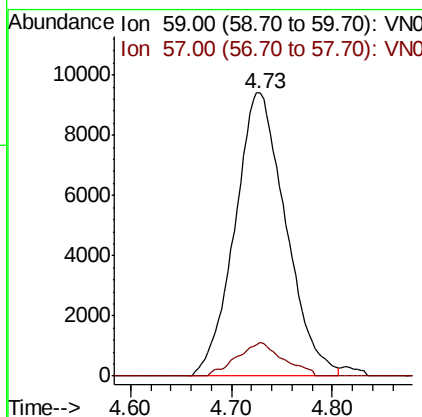
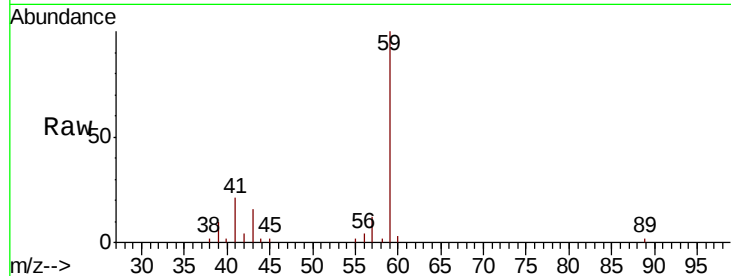
#11
Tert butyl alcohol
Concen: 105.502 ug/l
RT: 4.73 min Scan# 919
Delta R.T. -0.00 min
Lab File: VN060056.D
Acq: 11 Feb 2020 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN0211WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.6	12.8

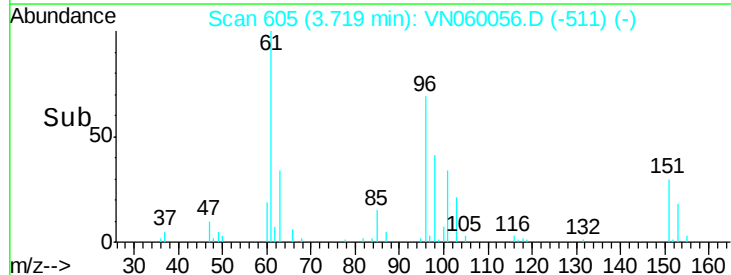
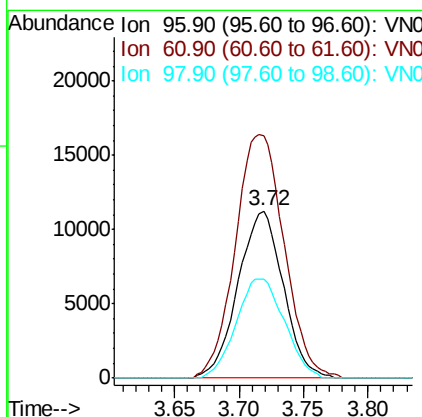
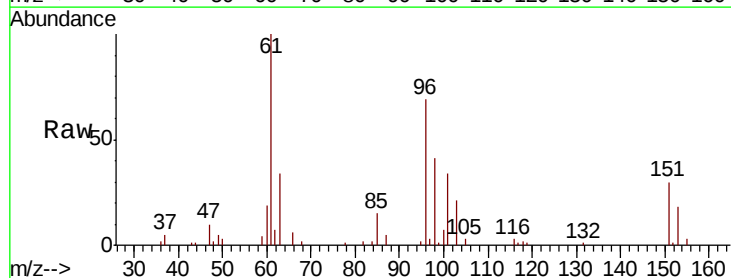
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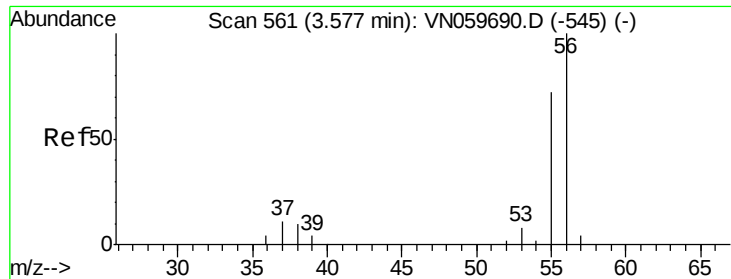
MMDadoda
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#12
1,1-Dichloroethene
Concen: 17.950 ug/l
RT: 3.72 min Scan# 605
Delta R.T. 0.00 min
Lab File: VN060056.D
Acq: 11 Feb 2020 11:40

Tgt Ion	Ratio	Lower	Upper
96	100		
61	144.7	137.5	206.3
98	59.2	50.2	75.4





#13

Acrolein

Concen: 83.326 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VN060056.D

Acq: 11 Feb 2020 11:40

Instrument :

MSVOA_N

ClientSampleId :

VN0211WBSD01

Tot Ion: 56 Resp: 18432

Ion Ratio Lower Upper

56 100

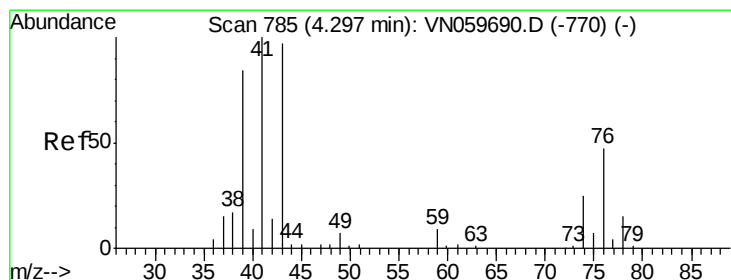
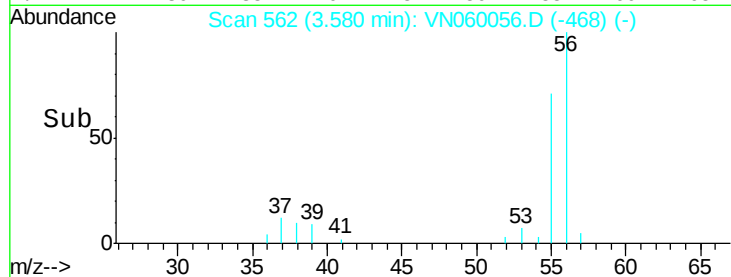
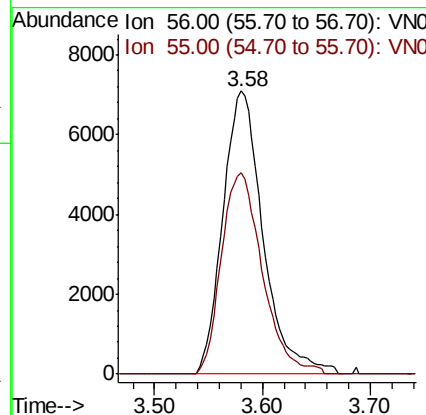
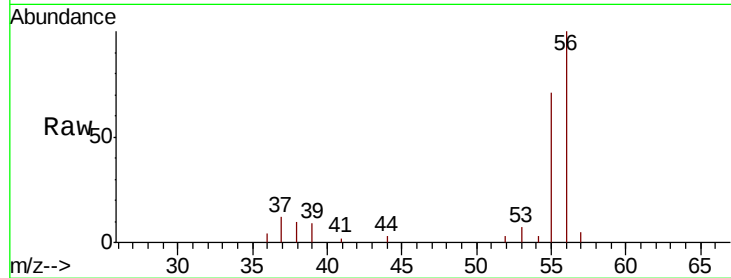
55 72.4 58.6 88.0

Manual Integrations

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#14

Allyl chloride

Concen: 20.085 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN060056.D

Acq: 11 Feb 2020 11:40

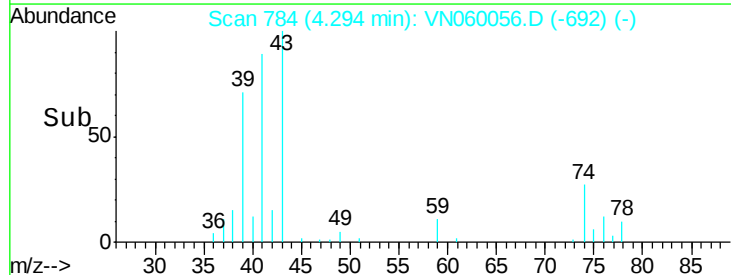
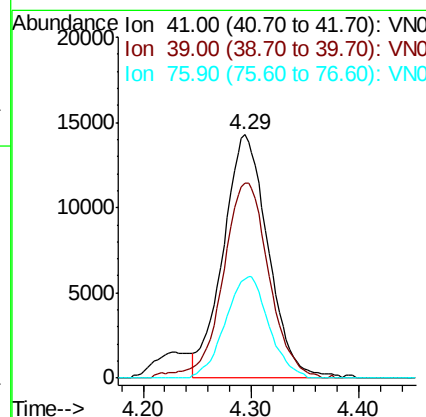
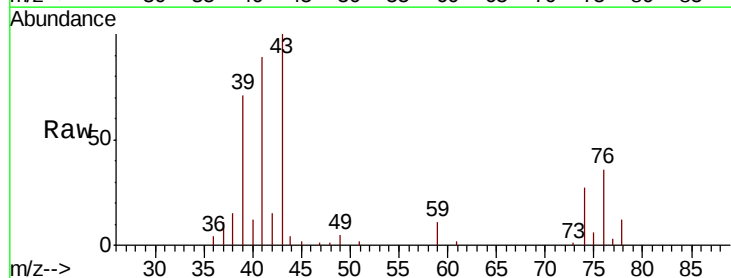
Tgt Ion: 41 Resp: 41400

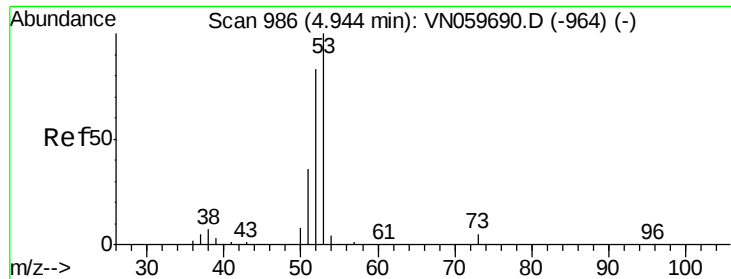
Ion Ratio Lower Upper

41 100

39 82.4 57.8 86.8

76 40.3 25.4 38.0#





#15

Acrylonitrile

Concen: 110.157 ug/l

RT: 4.94 min Scan# 986

Delta R.T. 0.00 min

Lab File: VN060056.D

Acq: 11 Feb 2020 11:40

Instrument :

MSVOA_N

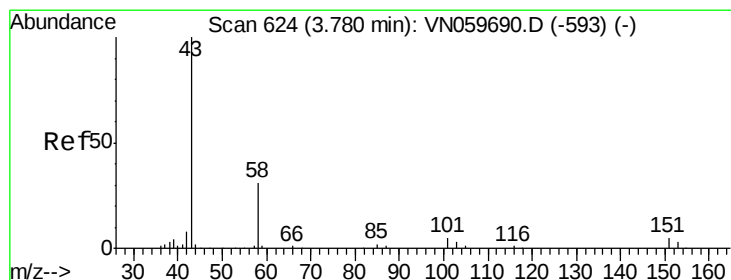
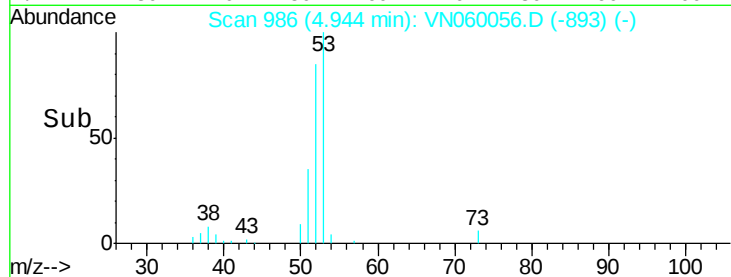
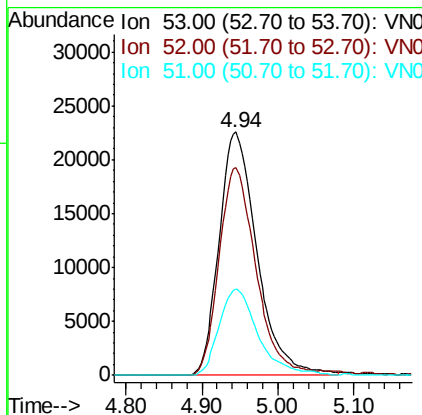
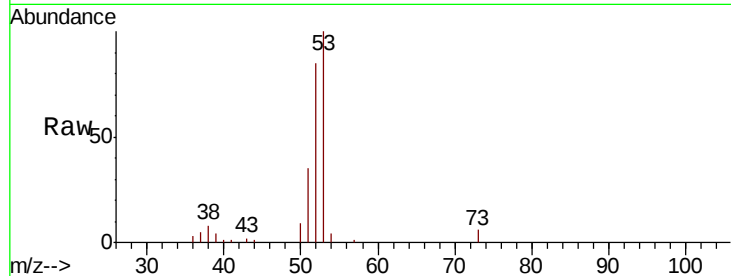
ClientSampleId :

VN0211WBSD01

Tot Ion:	53	Resp:	78521
Ion Ratio	Lower	Upper	
53	100		
52	82.5	66.3	99.5
51	35.8	29.7	44.5

Manual Integrations
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#16

Acetone

Concen: 125.218 ug/l

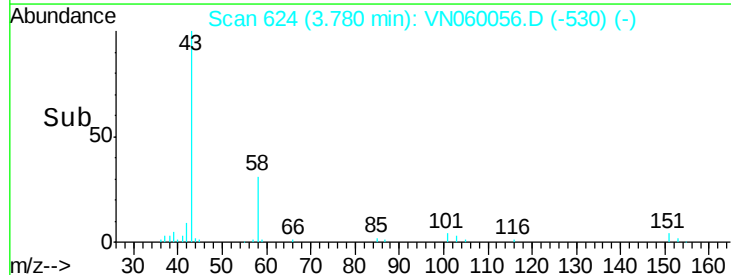
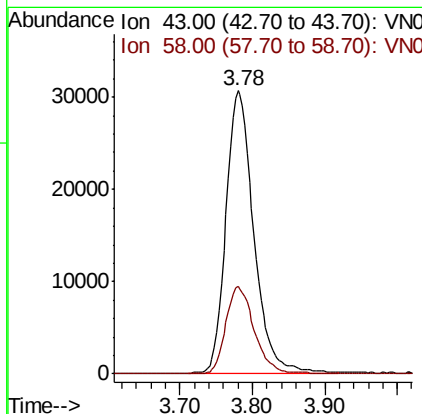
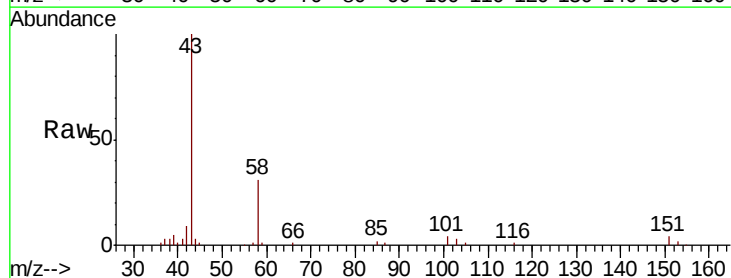
RT: 3.78 min Scan# 624

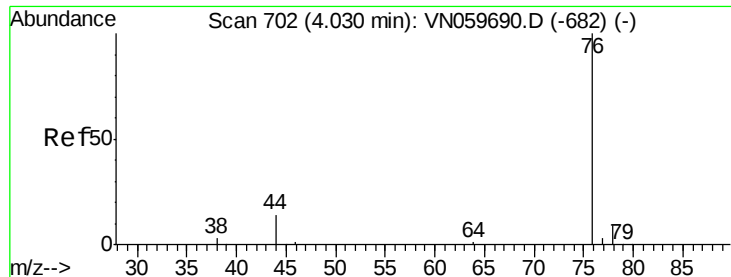
Delta R.T. 0.00 min

Lab File: VN060056.D

Acq: 11 Feb 2020 11:40

Tgt Ion:	43	Resp:	82440
Ion Ratio	Lower	Upper	
43	100		
58	31.1	23.6	35.4





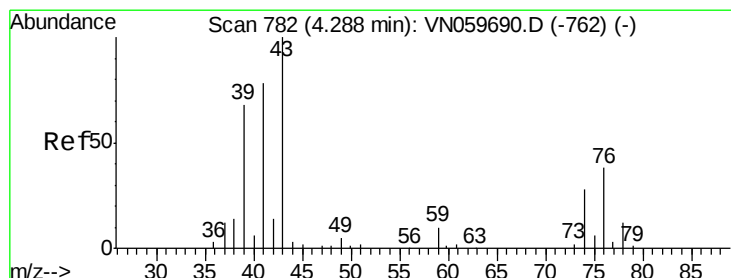
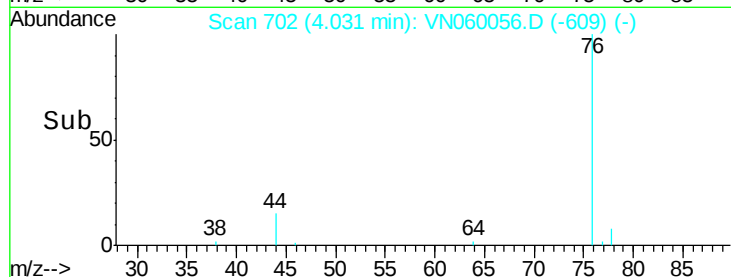
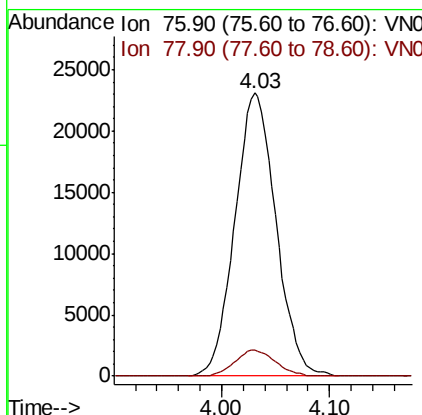
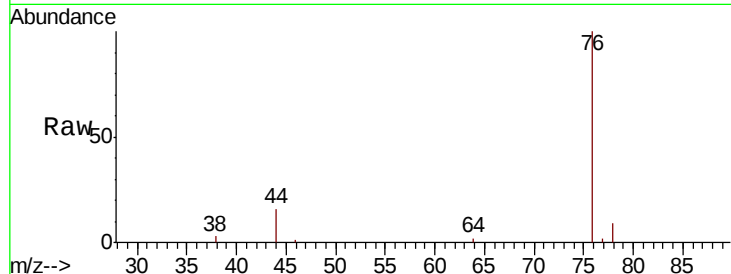
#17
Carbon Disulfide
Concen: 13.986 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN060056.D
Acq: 11 Feb 2020 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN0211WBSD01

Tot Ion: 76 Resp: 60929
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.0

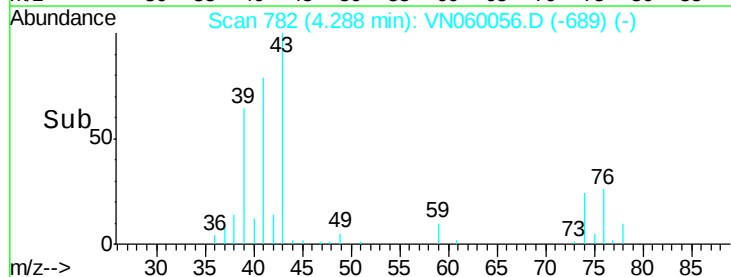
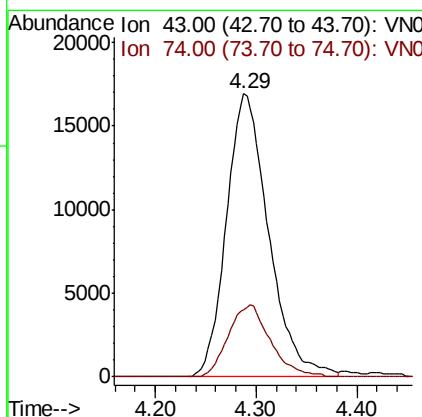
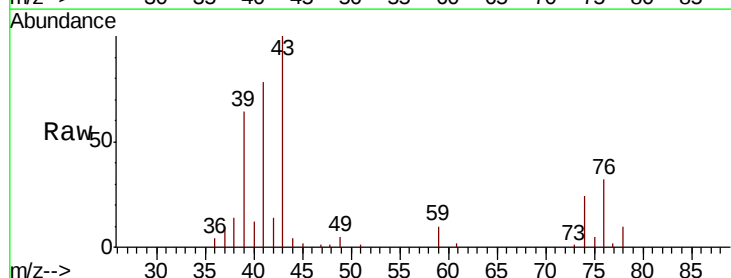
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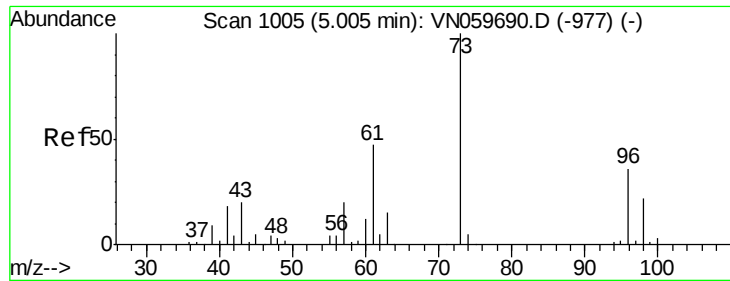
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#18
Methyl Acetate
Concen: 22.725 ug/l
RT: 4.29 min Scan# 782
Delta R.T. 0.00 min
Lab File: VN060056.D
Acq: 11 Feb 2020 11:40

Tgt Ion: 43 Resp: 49272
Ion Ratio Lower Upper
43 100
74 25.2 17.5 26.3





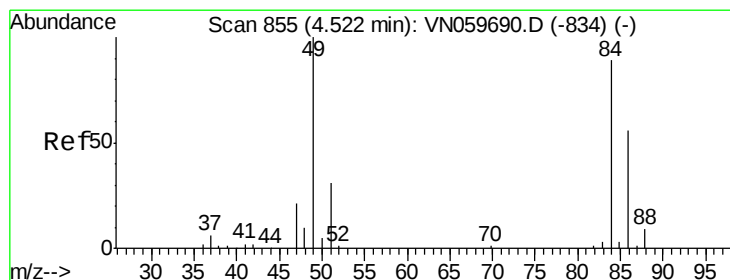
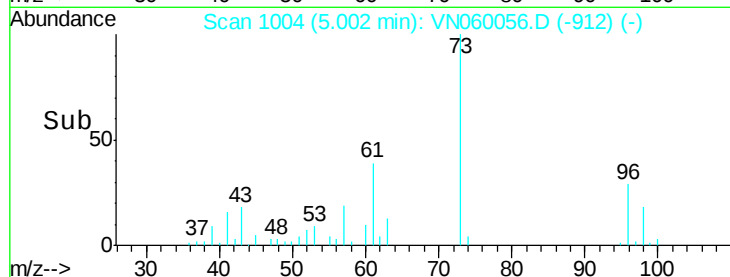
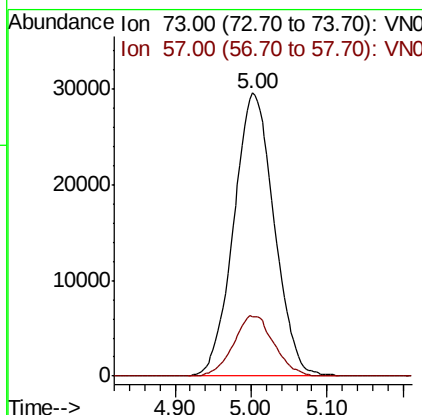
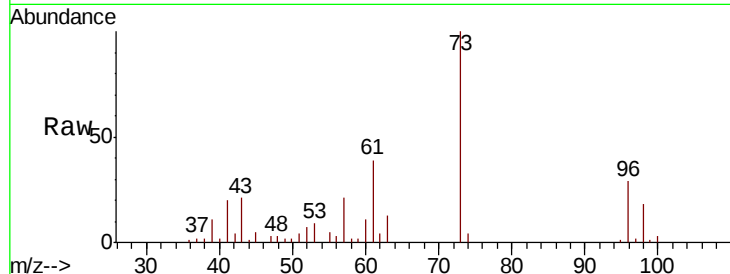
#19
Methvl tert-butvl Ether
Concen: 21.984 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN060056.D
Acq: 11 Feb 2020 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN0211WBSD01

Tot Ion: 73 Resp: 109611
Ion Ratio Lower Upper
73 100
57 21.2 18.6 27.8

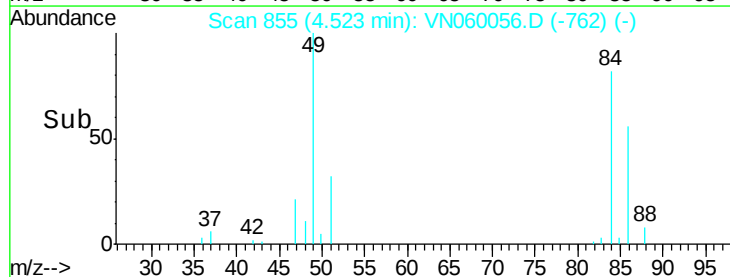
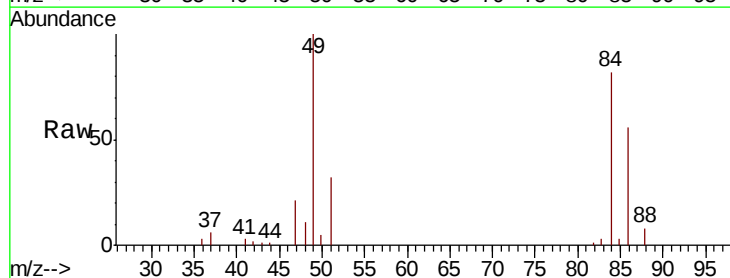
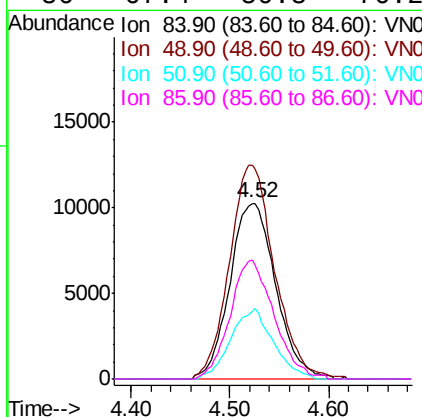
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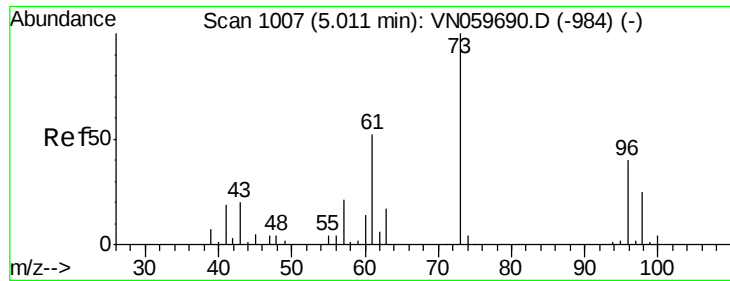
MMDadoda
2/12/2020 3:03:09 PM



#20
Methylene Chloride
Concen: 18.926 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN060056.D
Acq: 11 Feb 2020 11:40

Tgt Ion: 84 Resp: 33134
Ion Ratio Lower Upper
84 100
49 121.4 106.6 160.0
51 38.7 31.9 47.9
86 67.4 50.8 76.2





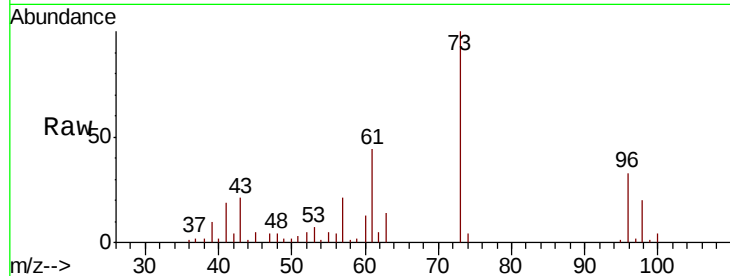
#21
trans-1,2-Dichloroethene
Concen: 18.594 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN060056.D
Acq: 11 Feb 2020 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN0211WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.5	120.4	180.6
98	61.9	50.6	75.8

Manual Integrations
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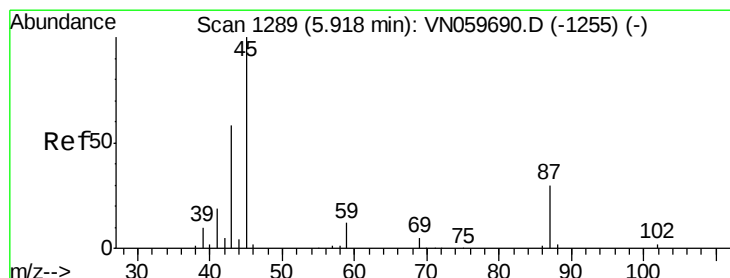
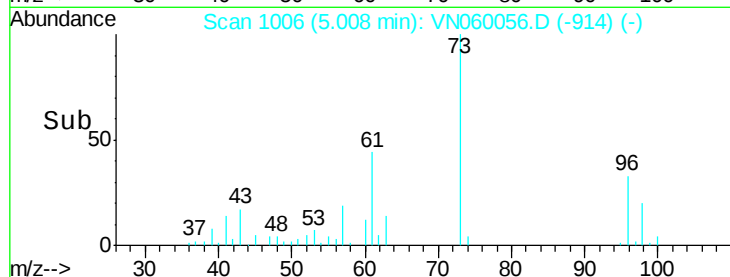
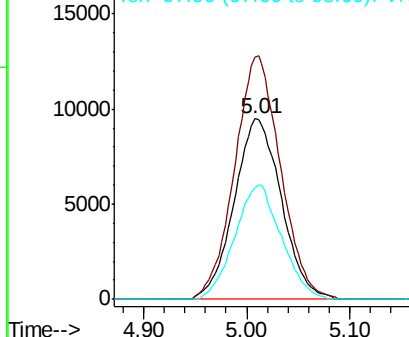


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22
Diisopropyl ether
Concen: 21.850 ug/l
RT: 5.91 min Scan# 1287
Delta R.T. -0.01 min
Lab File: VN060056.D
Acq: 11 Feb 2020 11:40

Tgt Ion	Ratio	Lower	Upper
45	100		
43	72.4	50.8	76.2
87	30.1	21.0	31.6
59	12.6	9.1	13.7

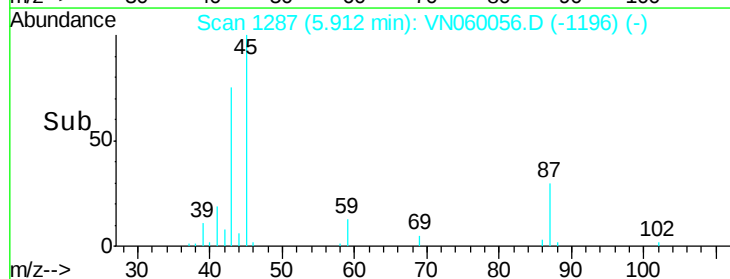
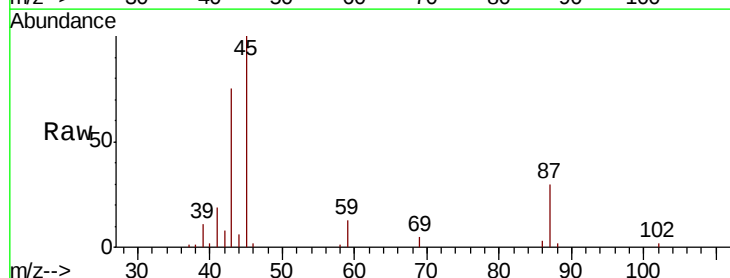
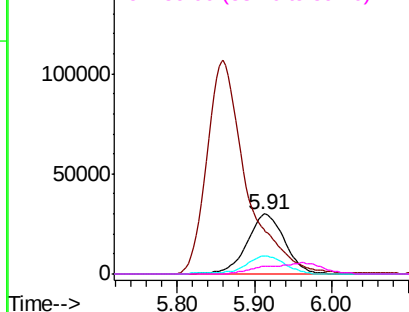
Abundance

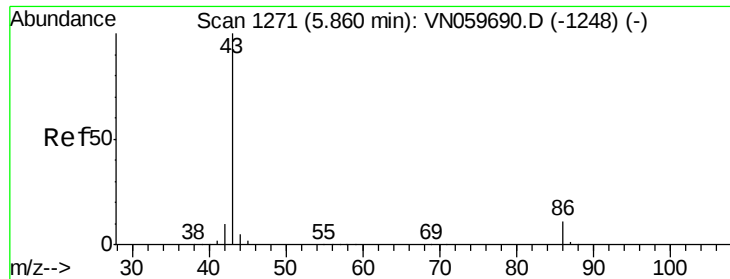
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 104.897 ug/l

RT: 5.86 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VN060056.D

Acq: 11 Feb 2020 11:40

Instrument :

MSVOA_N

ClientSampleId :

VN0211WBSD01

Tot Ion: 43 Resp: 379370

Ion Ratio Lower Upper

43 100

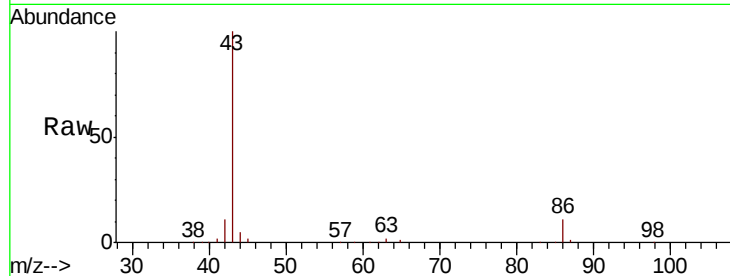
86 11.3 7.6 11.4

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.86

120000

100000

80000

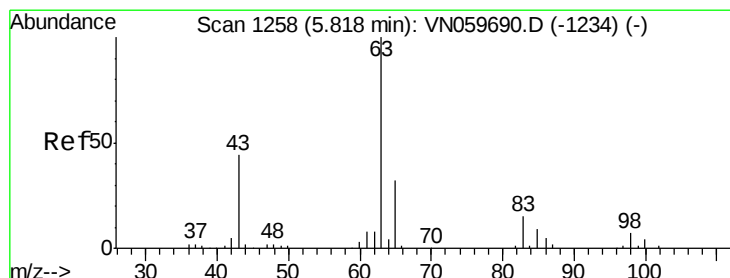
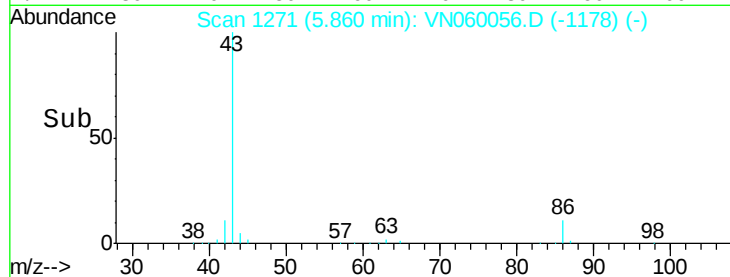
60000

40000

20000

0

Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 20.630 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN060056.D

Acq: 11 Feb 2020 11:40

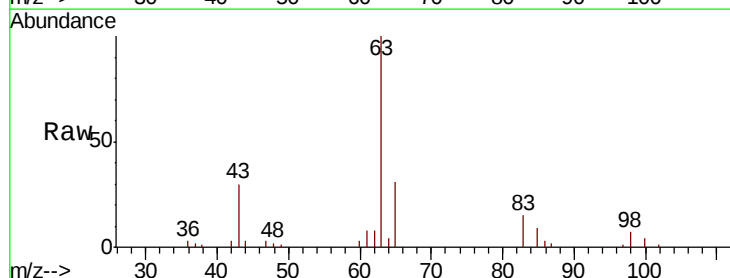
Tgt Ion: 63 Resp: 58881

Ion Ratio Lower Upper

63 100

98 7.1 2.9 8.7

100 4.1 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

25000

20000

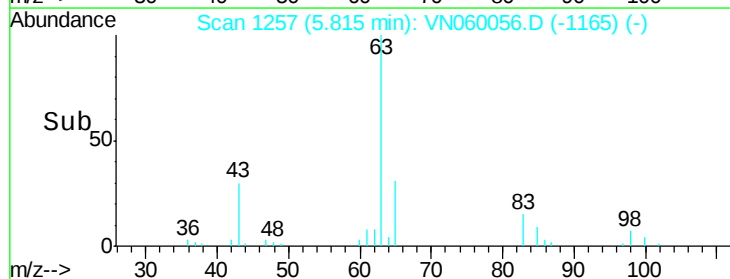
15000

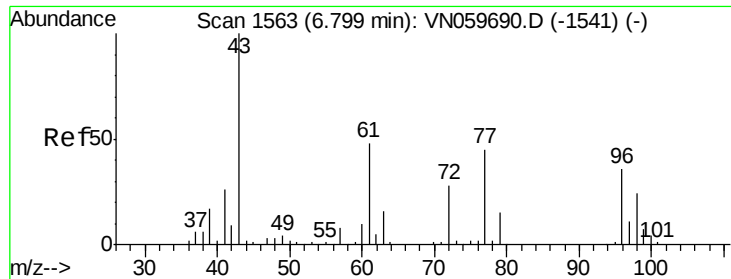
10000

5000

0

Time--> 5.70 5.80 5.90





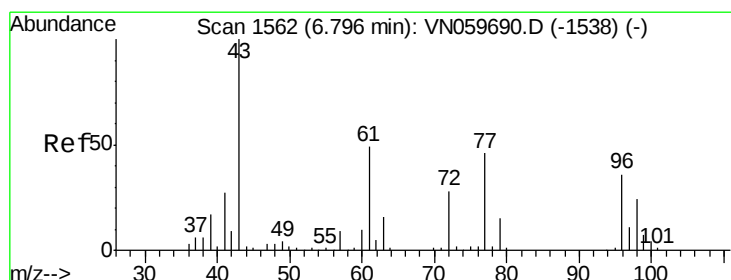
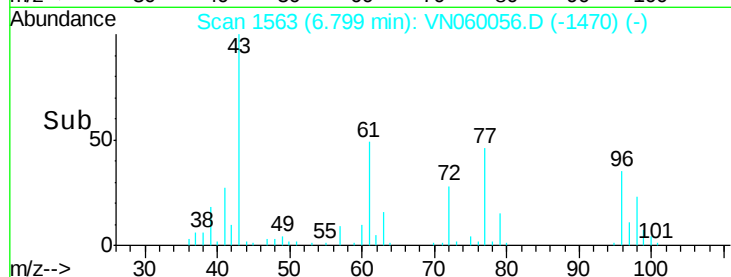
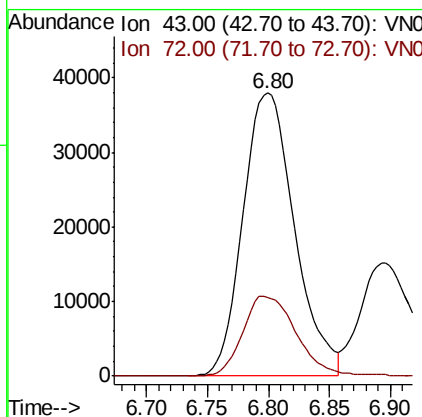
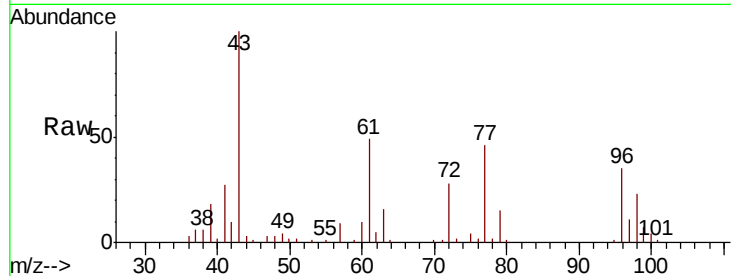
#25
2-Butanone
Concen: 106.124 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VN060056.D
Acq: 11 Feb 2020 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN0211WBSD01

Tot Ion: 43 Resp: 111555
Ion Ratio Lower Upper
43 100
72 27.7 19.9 29.9

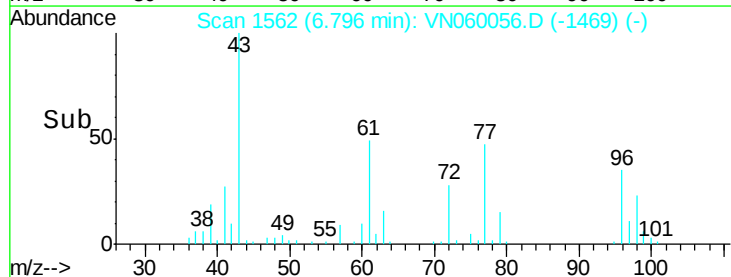
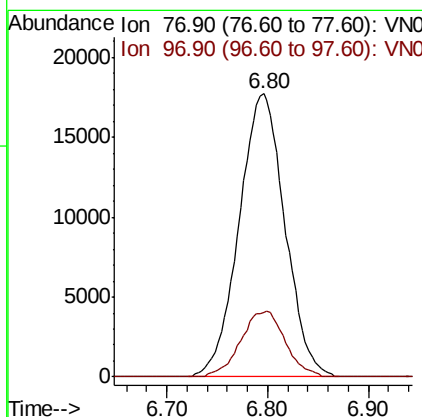
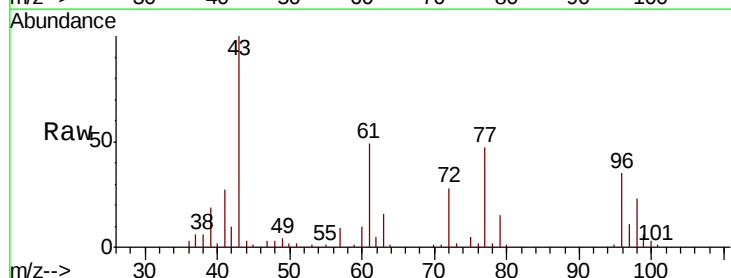
Manual Integrations
APPROVED

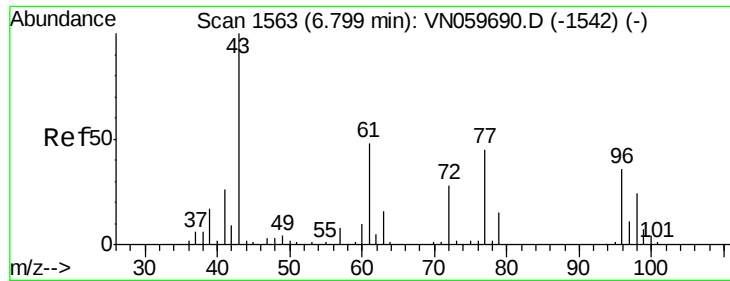
MMDadoda
2/12/2020 3:03:09 PM



#26
2,2-Dichloropropane
Concen: 20.338 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. 0.00 min
Lab File: VN060056.D
Acq: 11 Feb 2020 11:40

Tgt Ion: 77 Resp: 55806
Ion Ratio Lower Upper
77 100
97 22.6 10.7 31.9





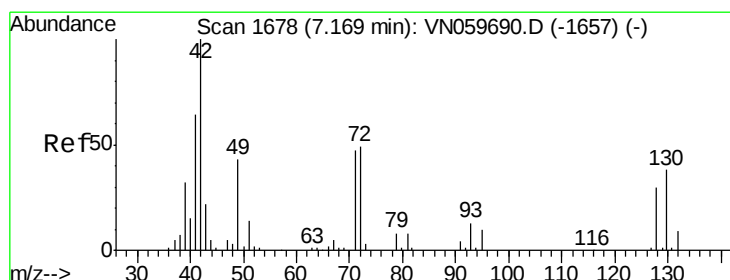
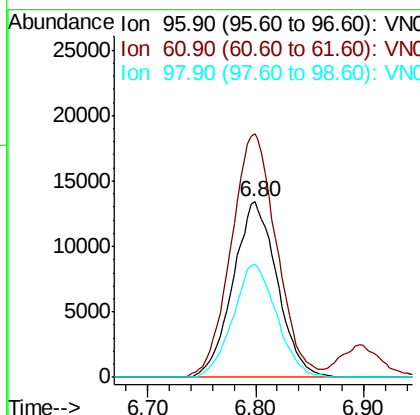
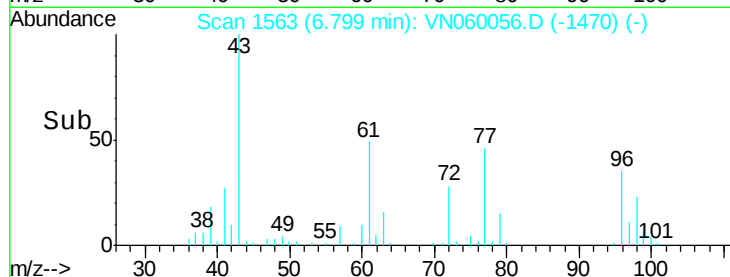
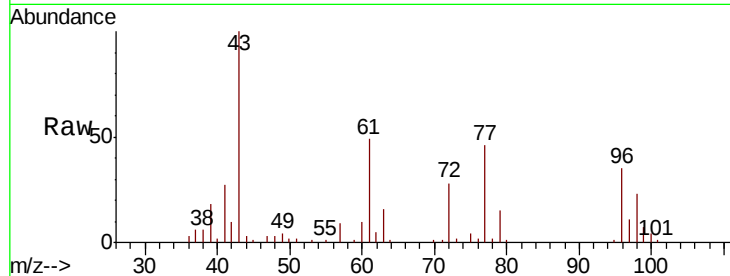
#27
 cis-1,2-Dichloroethene
 Concen: 20.457 ug/l
 RT: 6.80 min Scan# 1563
 Delta R.T. 0.00 min
 Lab File: VN060056.D
 Acq: 11 Feb 2020 11:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0211WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.3	0.0	317.6
98	63.4	0.0	127.0

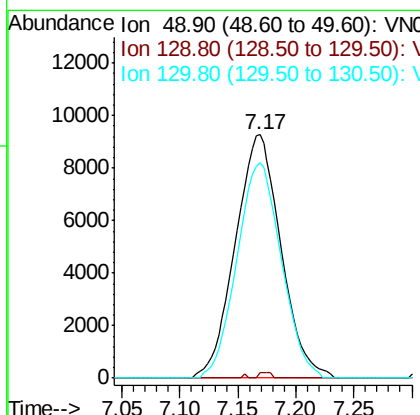
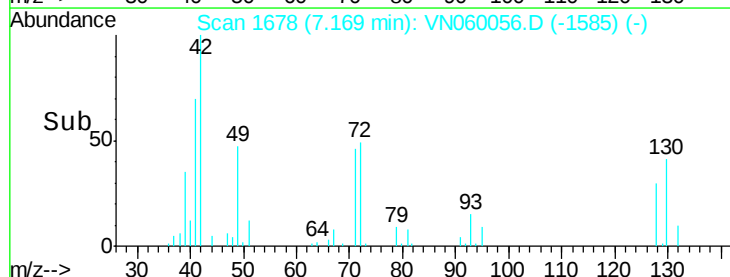
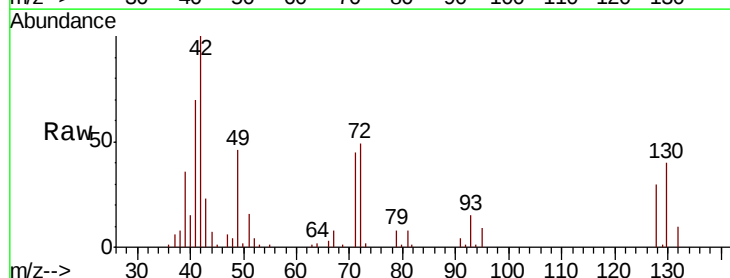
Manual Integrations
 APPROVED

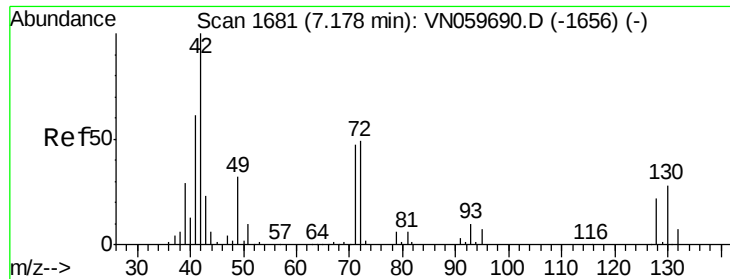
MMDadoda
 2/12/2020 3:03:09 PM



#28
 Bromochloromethane
 Concen: 22.239 ug/l
 RT: 7.17 min Scan# 1678
 Delta R.T. 0.00 min
 Lab File: VN060056.D
 Acq: 11 Feb 2020 11:40

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	3.4
130	86.0	54.7	82.1#





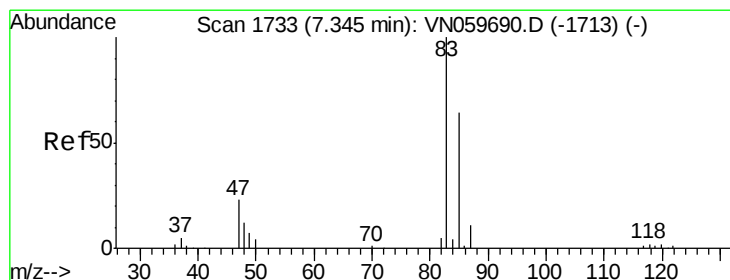
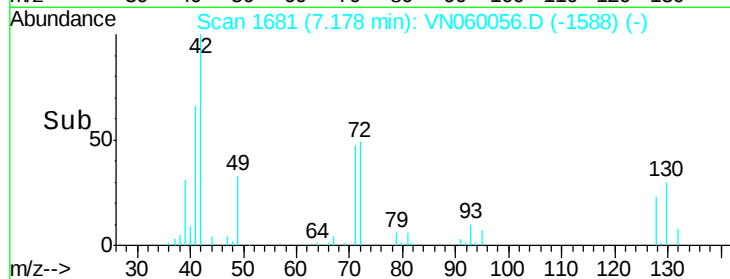
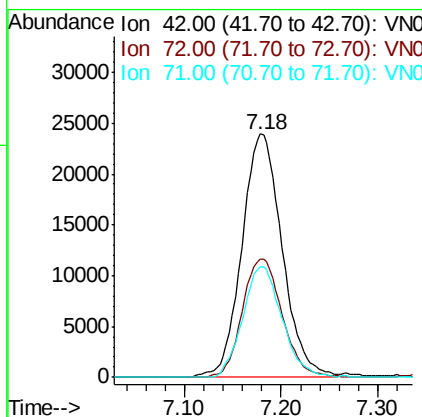
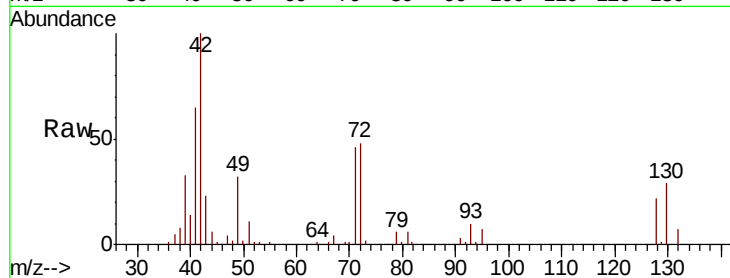
#29
Tetrahydrofuran
Concen: 106.671 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN060056.D
Acq: 11 Feb 2020 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN0211WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.9	33.1	49.7
71	44.5	31.4	47.0

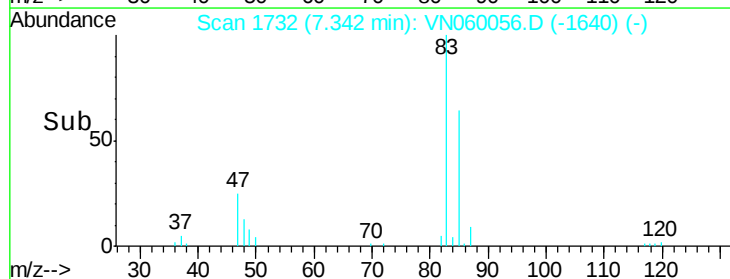
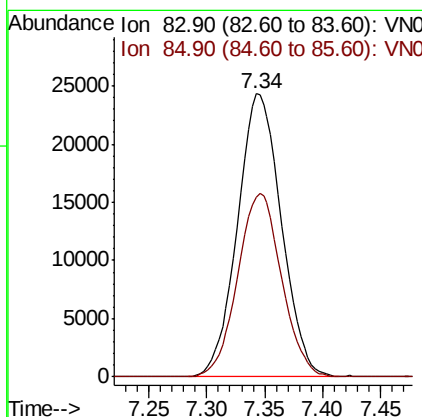
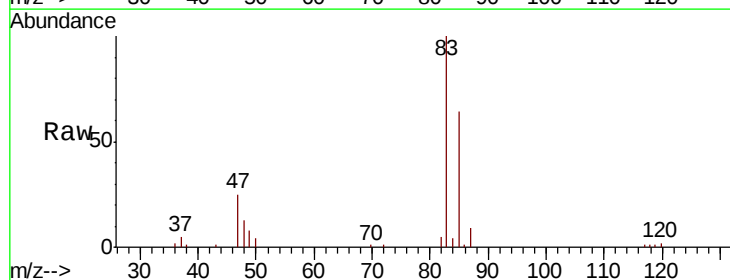
Manual Integrations
APPROVED

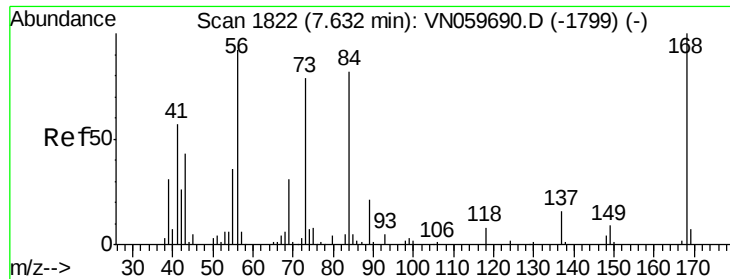
MMDadoda
2/12/2020 3:03:09 PM



#30
Chloroform
Concen: 21.662 ug/l
RT: 7.34 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VN060056.D
Acq: 11 Feb 2020 11:40

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	52.4	78.6





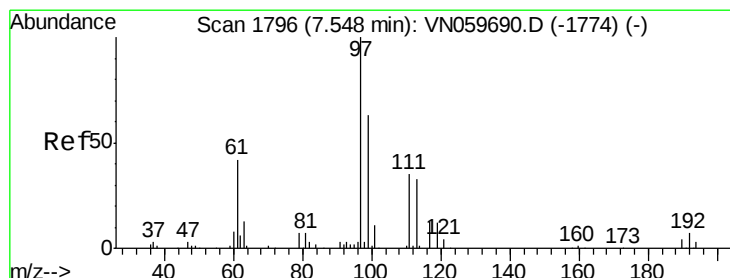
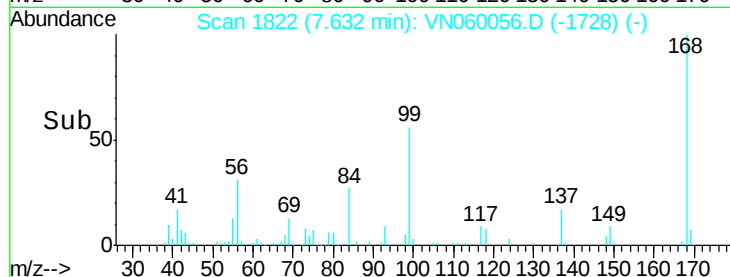
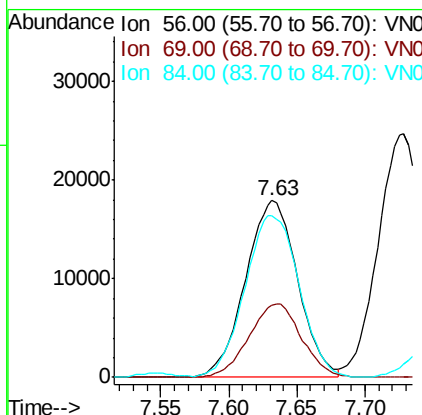
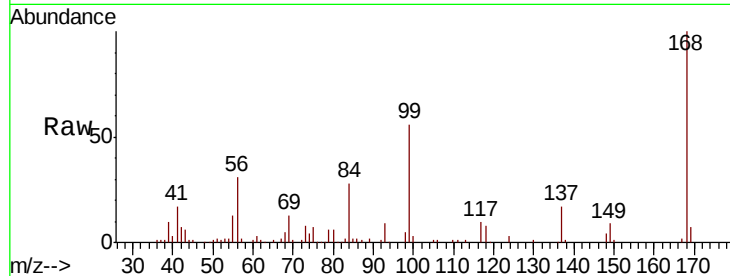
#31
Cyclohexane
Concen: 17.332 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN060056.D
Acq: 11 Feb 2020 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN0211WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	40.6	26.5	39.7#
84	90.5	65.3	97.9

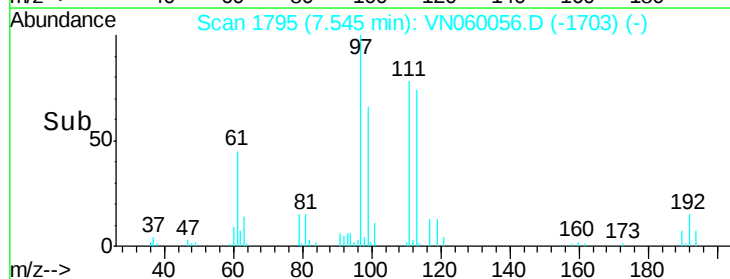
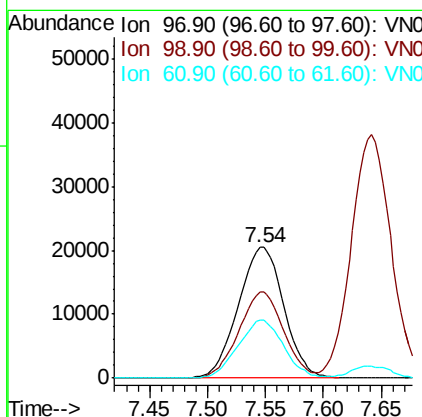
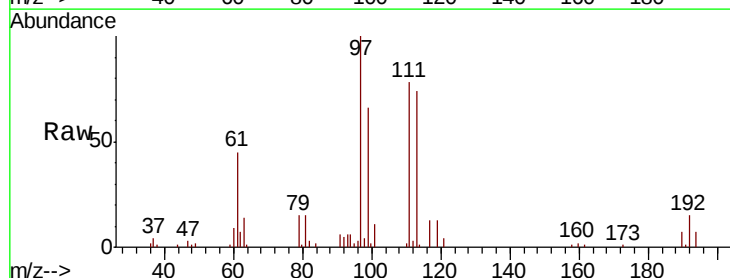
Manual Integrations
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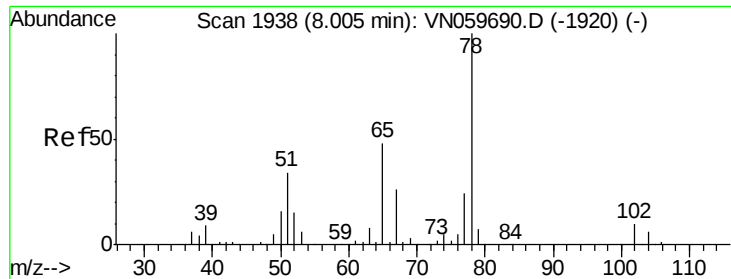
MMDadoda
2/12/2020 3:03:09 PM



#32
1,1,1-Trichloroethane
Concen: 20.441 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN060056.D
Acq: 11 Feb 2020 11:40

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.0	76.4
61	44.4	38.5	57.7





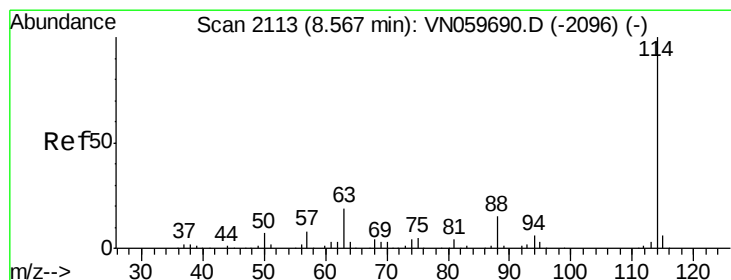
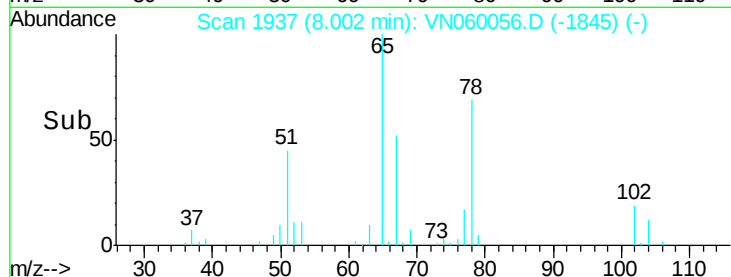
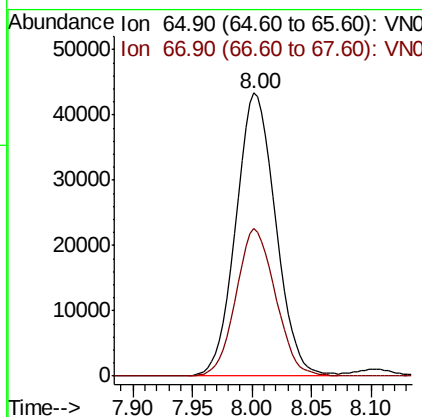
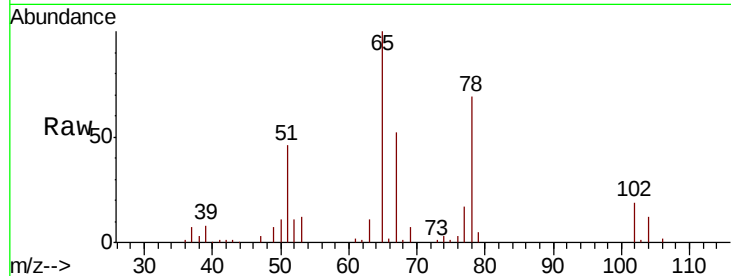
#33
 1,2-Dichloroethane-d4
 Concen: 54.204 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060056.D
 Acq: 11 Feb 2020 11:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0211WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	51.5	0.0	103.0	

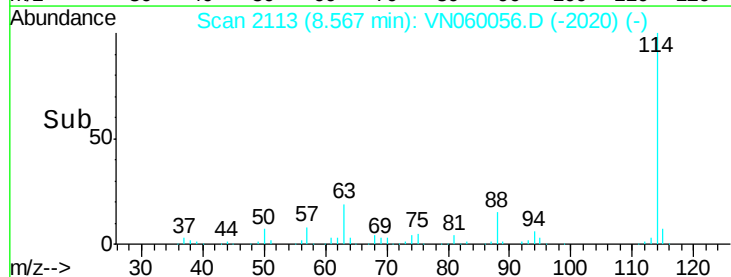
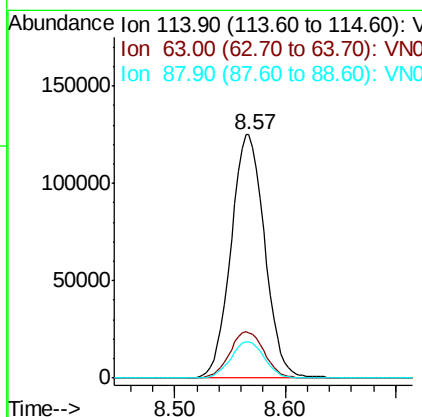
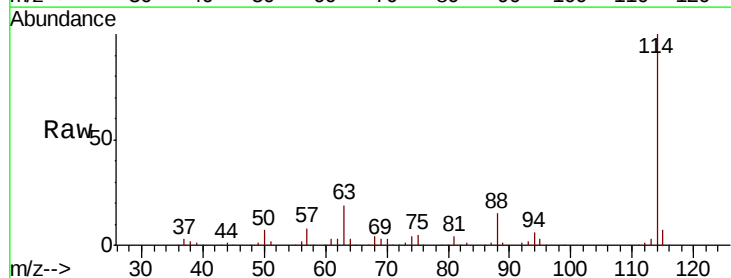
Manual Integrations
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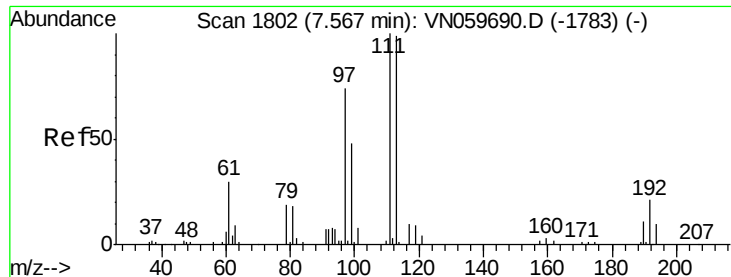
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 2/12/2020 3:03:09 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060056.D
 Acq: 11 Feb 2020 11:40

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.7	0.0	43.6	
88	15.2	0.0	31.4	





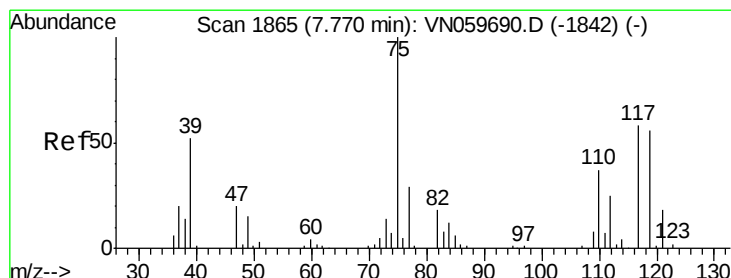
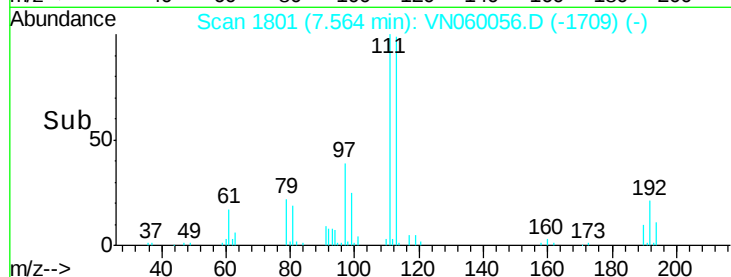
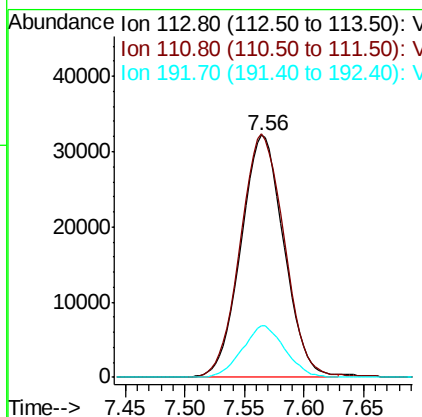
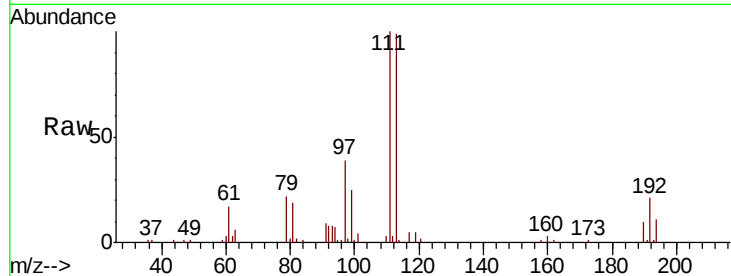
#35
Dibromofluoromethane
Concen: 50.942 ug/l
RT: 7.56 min Scan# 1801
Delta R.T. -0.00 min
Lab File: VN060056.D
Acq: 11 Feb 2020 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN0211WBSD01

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	83.5	125.3
192	21.1	15.4	23.2

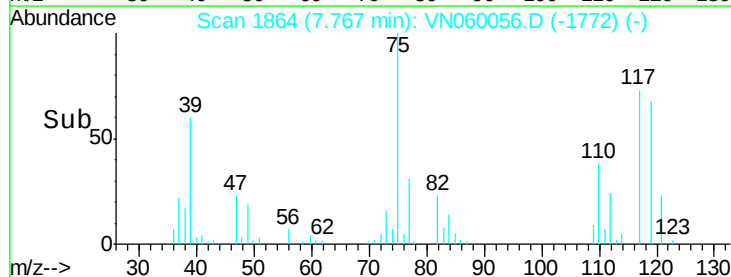
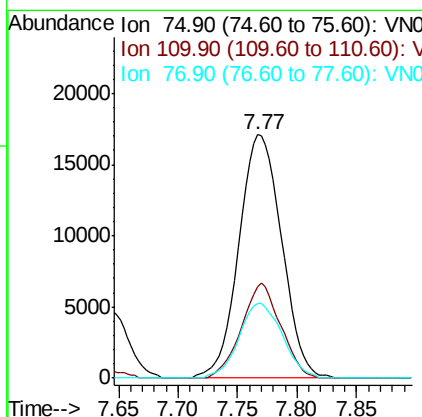
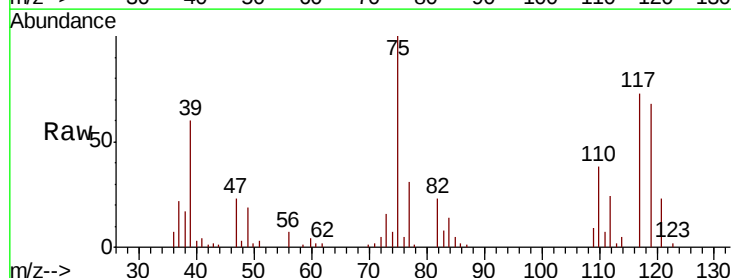
Manual Integrations
APPROVED

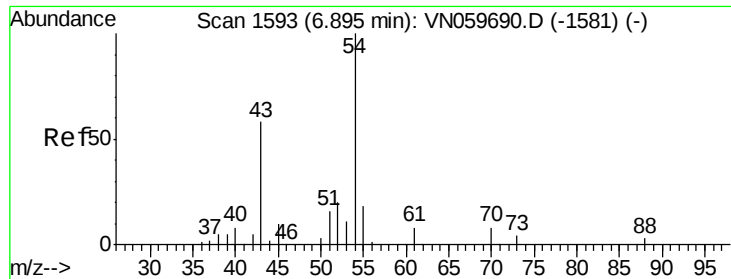
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2/12/2020 3:03:09 PM



#36
1,1-Dichloropropene
Concen: 18.471 ug/l
RT: 7.77 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN060056.D
Acq: 11 Feb 2020 11:40

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.7	16.6	49.7
77	31.0	25.1	37.7





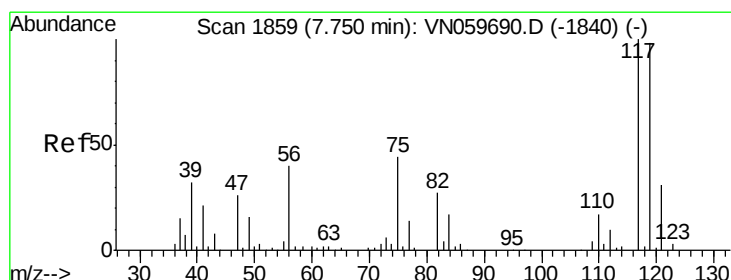
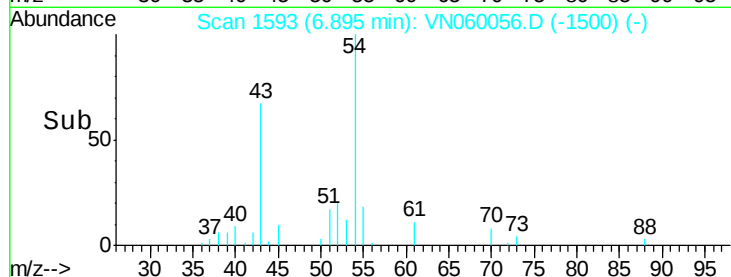
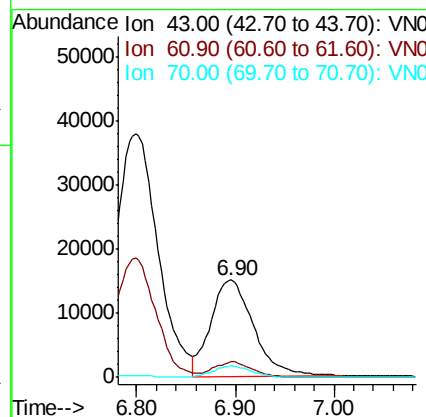
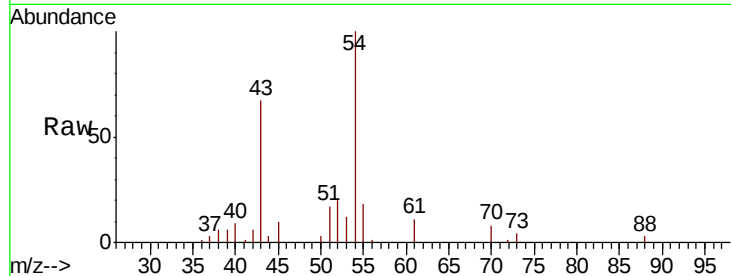
#37
Ethyl Acetate
Concen: 20.956 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. 0.00 min
Lab File: VN060056.D
Acq: 11 Feb 2020 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN0211WBSD01

Tot Ion	43	61	70
Resp	45299		
Ratio	100	14.4	10.5
Lower		10.9	7.7
Upper		16.3	11.5

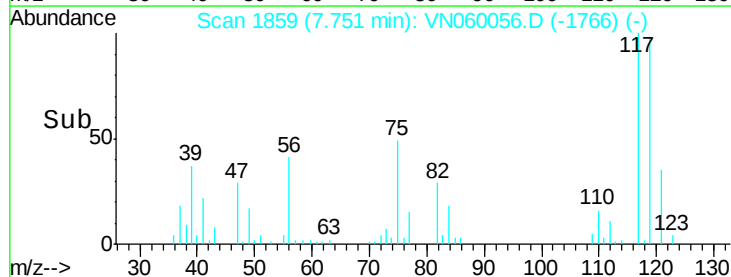
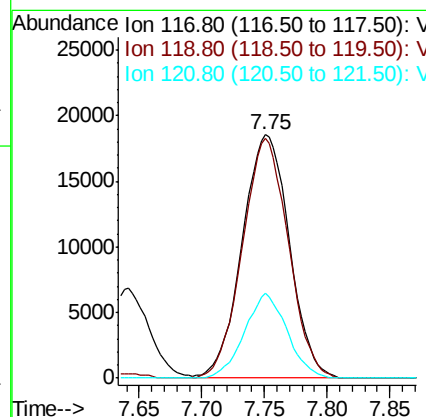
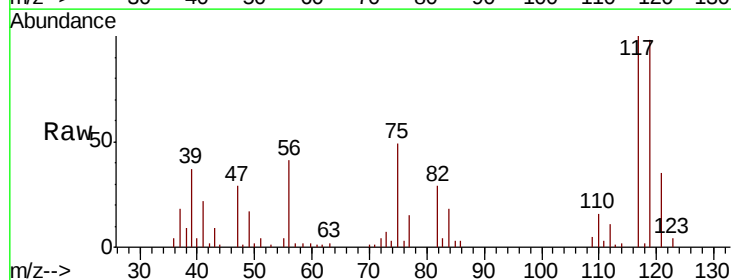
Manual Integrations
APPROVED

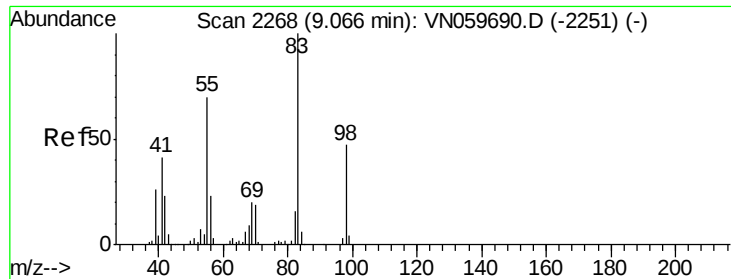
MMDadoda
2/12/2020 3:03:09 PM



#38
Carbon Tetrachloride
Concen: 19.361 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN060056.D
Acq: 11 Feb 2020 11:40

Tgt Ion	117	119	121
Resp	48540		
Ratio	100	98.2	34.6
Lower		76.5	25.1
Upper		114.7	37.7





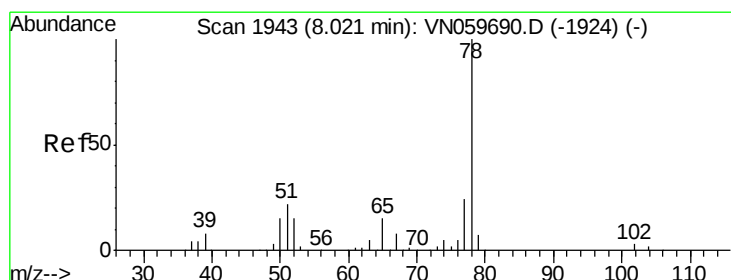
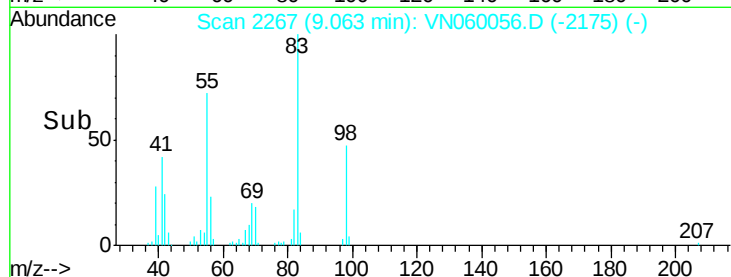
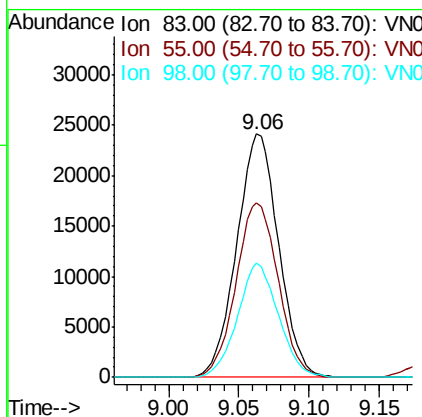
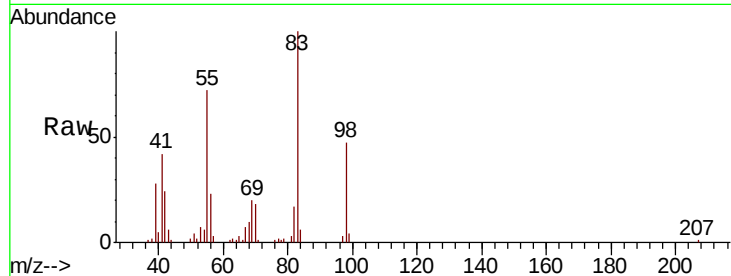
#39
Methvlcvclohexane
Concen: 17.693 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060056.D
Acq: 11 Feb 2020 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN0211WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.8	64.2	96.2
98	46.9	35.9	53.9

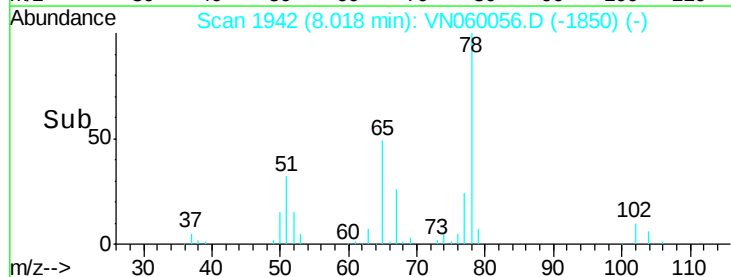
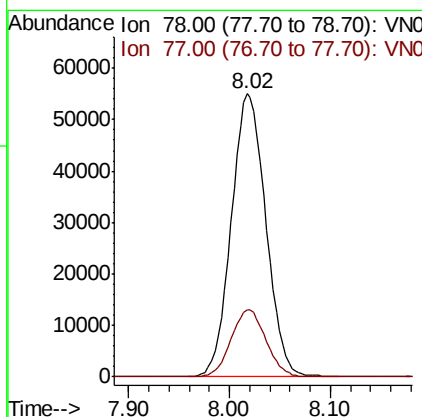
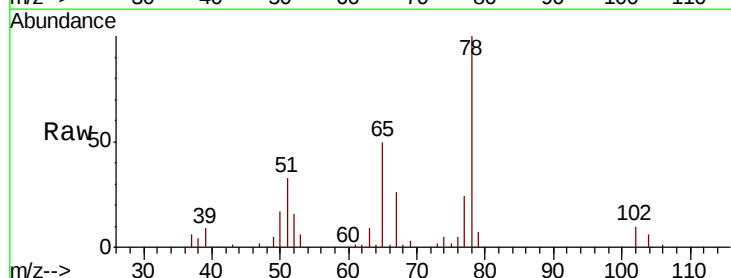
Manual Integrations
APPROVED

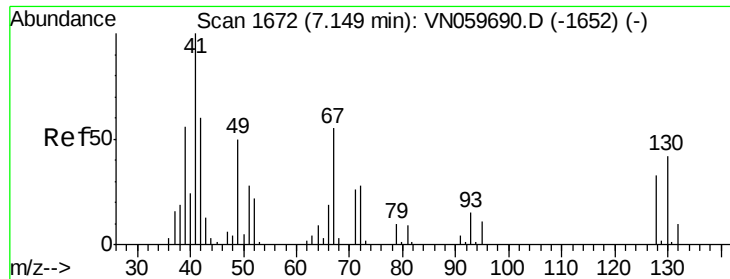
MMDadoda
2/12/2020 3:03:09 PM



#40
Benzene
Concen: 18.992 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060056.D
Acq: 11 Feb 2020 11:40

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.9	28.3





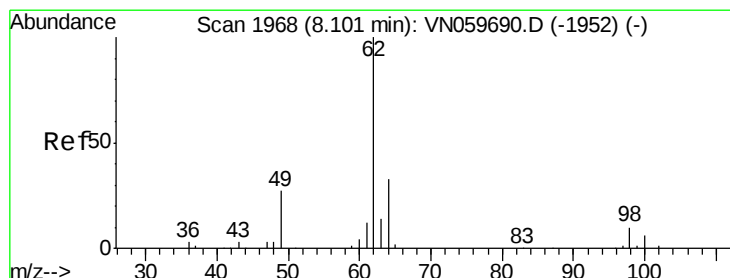
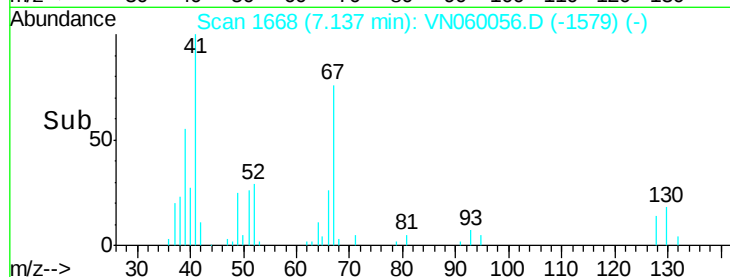
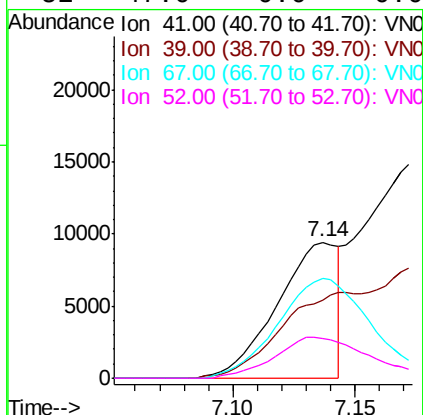
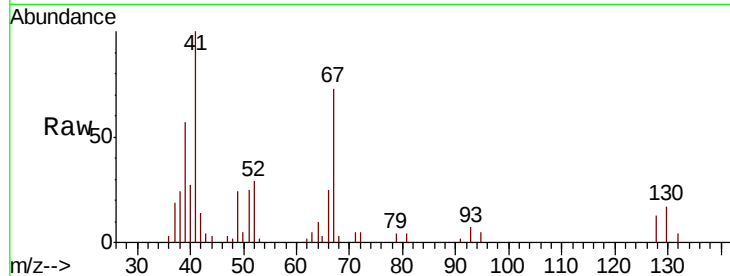
#41
Methacrylonitrile
Concen: 15.414 ug/l
RT: 7.14 min Scan# 1668
Delta R.T. -0.01 min
Lab File: VN060056.D
Acq: 11 Feb 2020 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN0211WBSD01

Tot Ion	41	Resp	16412
Ion Ratio	Lower	Upper	
41	100		
39	74.6	0.0	0.0#
67	114.0	0.0	0.0#
52	47.0	0.0	0.0#

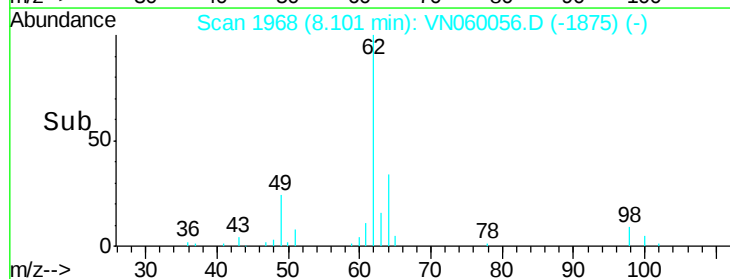
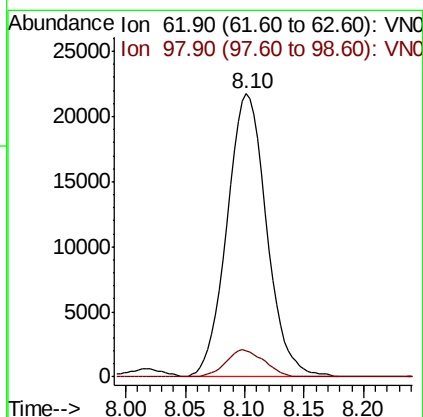
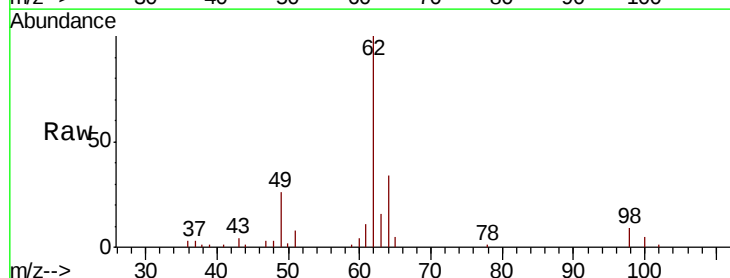
Manual Integrations
APPROVED

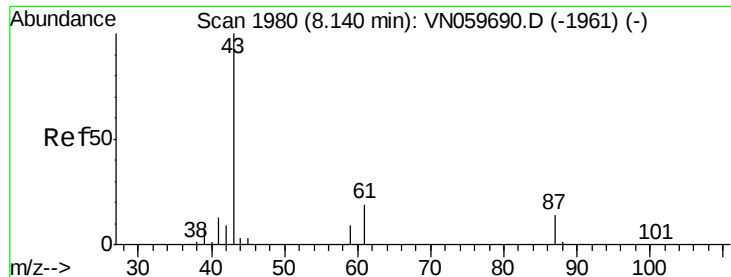
MMDadoda
2/12/2020 3:03:09 PM



#42
1,2-Dichloroethane
Concen: 21.560 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN060056.D
Acq: 11 Feb 2020 11:40

Tgt Ion	62	Resp	50246
Ion Ratio	Lower	Upper	
62	100		
98	9.3	0.0	15.8





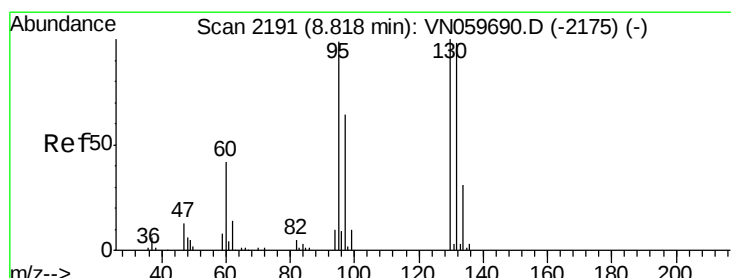
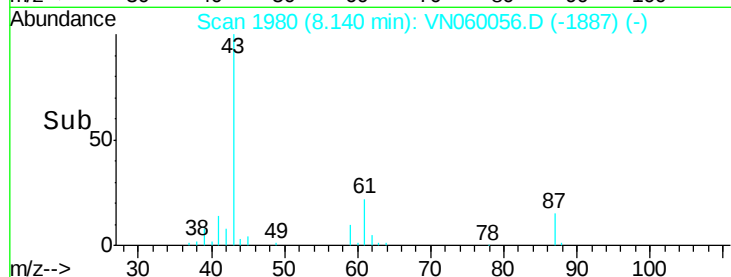
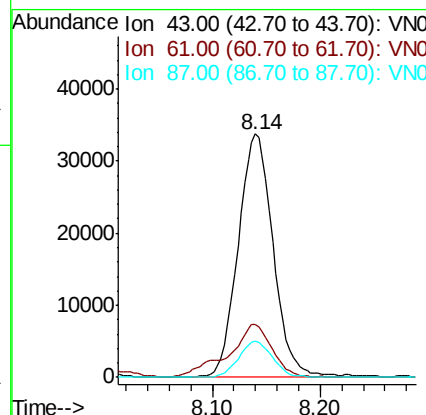
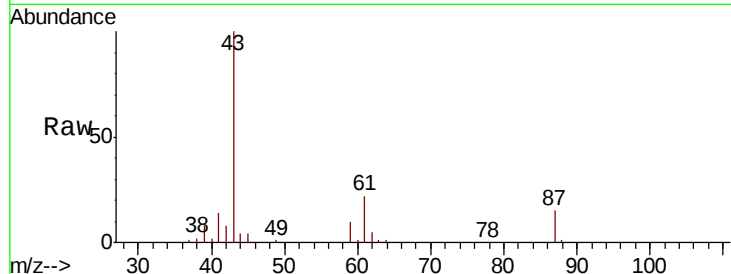
#43
Isopropyl Acetate
Concen: 20.488 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. 0.00 min
Lab File: VN060056.D
Acq: 11 Feb 2020 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN0211WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.0	20.2	30.2
87	14.3	9.5	14.3#

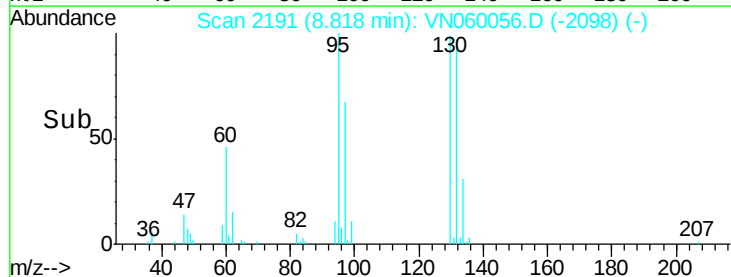
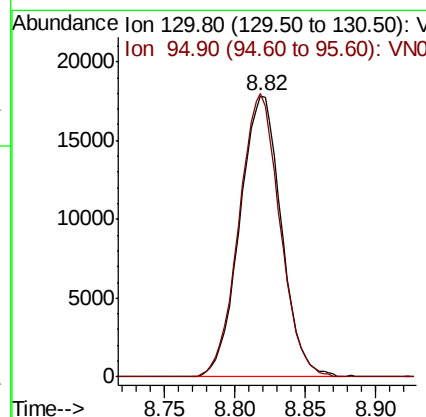
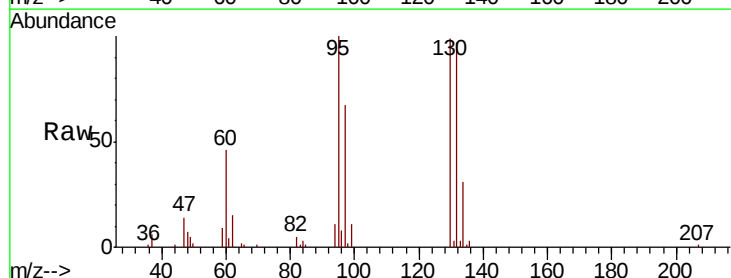
Manual Integrations
APPROVED

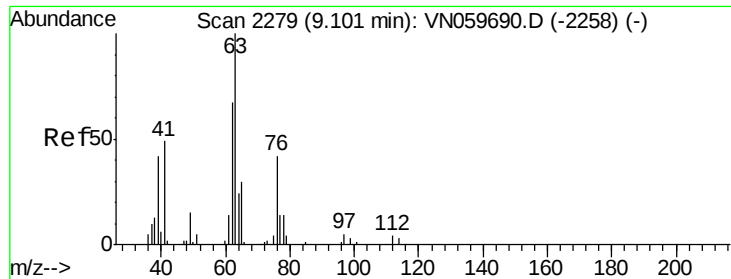
MMDadoda
2/12/2020 3:03:09 PM



#44
Trichloroethene
Concen: 19.602 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. 0.00 min
Lab File: VN060056.D
Acq: 11 Feb 2020 11:40

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.6	0.0	207.0





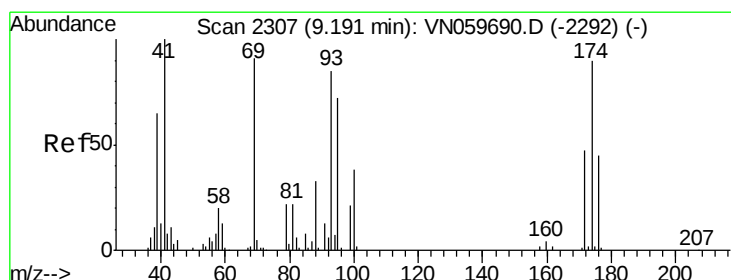
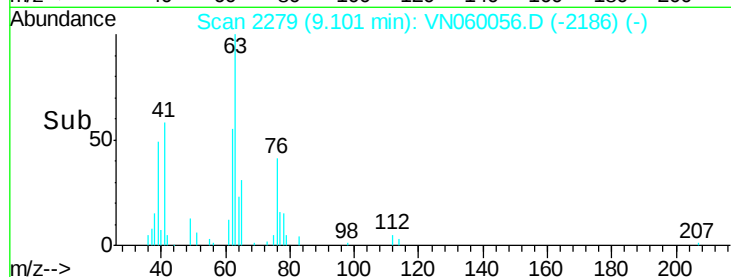
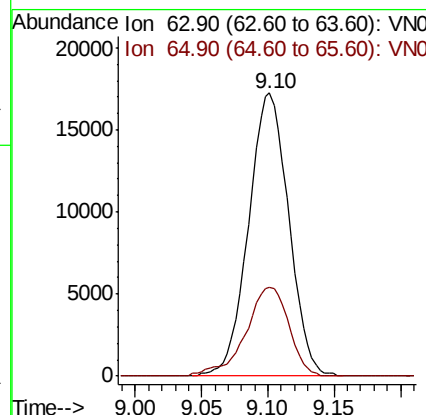
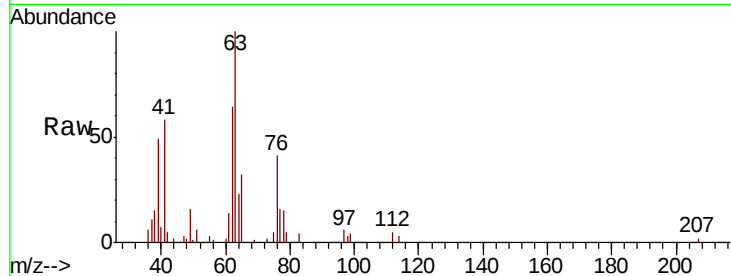
#45
 1,2-Dichloropropane
 Concen: 21.351 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN060056.D
 Acq: 11 Feb 2020 11:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0211WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.6	24.9	37.3

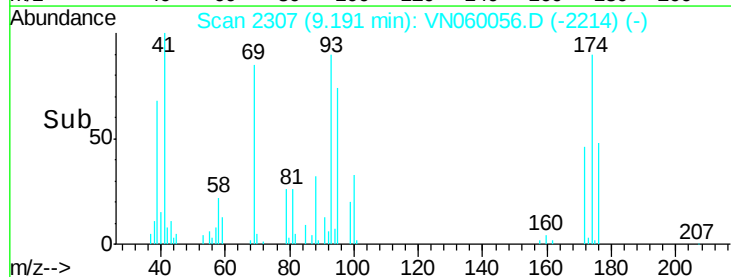
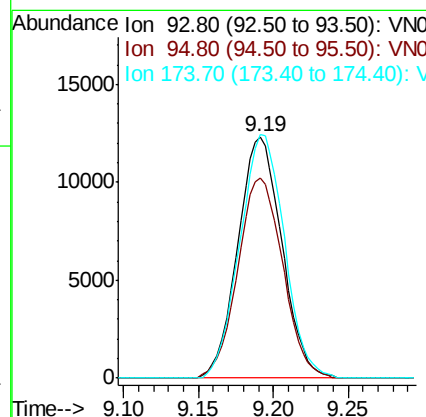
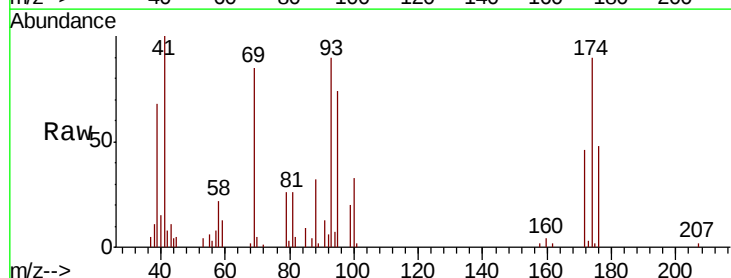
Manual Integrations
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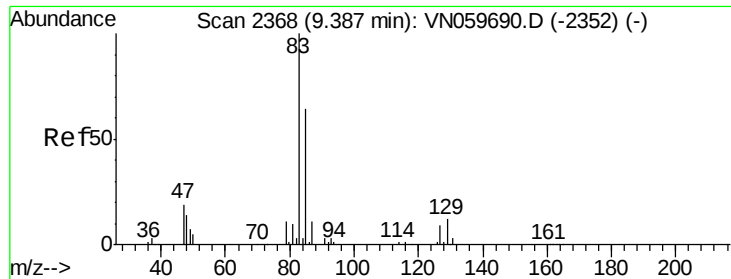
MMDadoda
 2/12/2020 3:03:09 PM



#46
 Dibromomethane
 Concen: 21.027 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN060056.D
 Acq: 11 Feb 2020 11:40

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.8	67.0	100.6
174	102.3	73.4	110.2





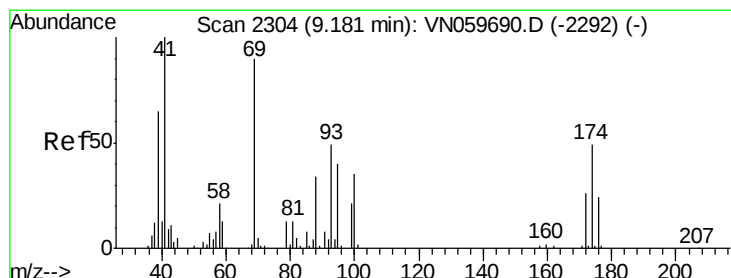
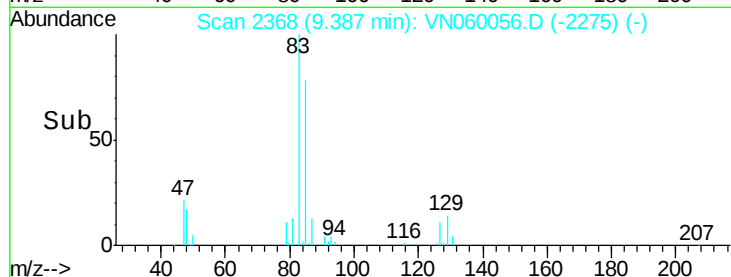
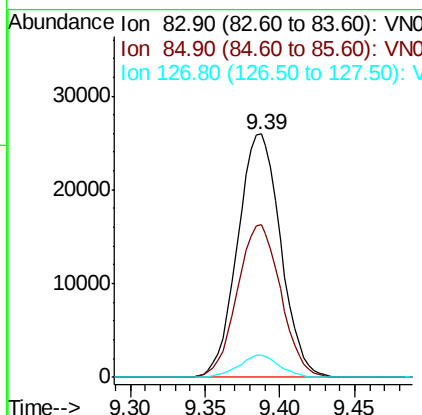
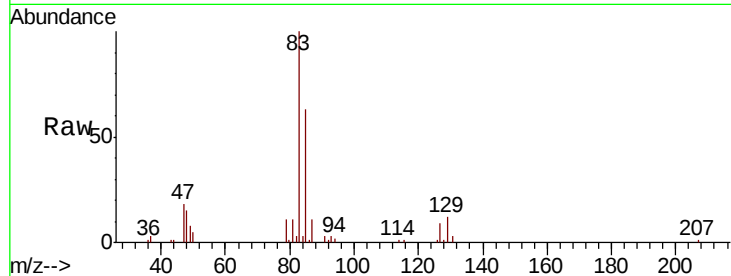
#47
Bromodichloromethane
Concen: 21.494 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN060056.D
Acq: 11 Feb 2020 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN0211WBSD01

Tot Ion	83	Resp	51970
Ion Ratio	100		
85	62.9	51.1	76.7
127	9.1	6.6	9.8

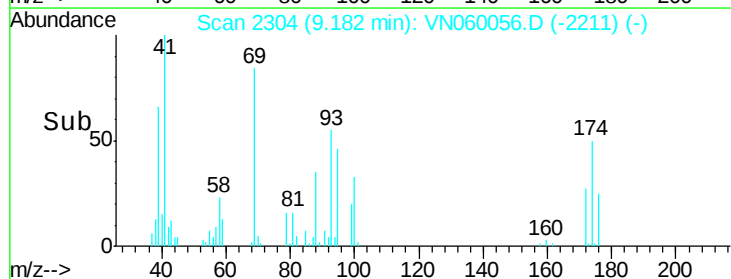
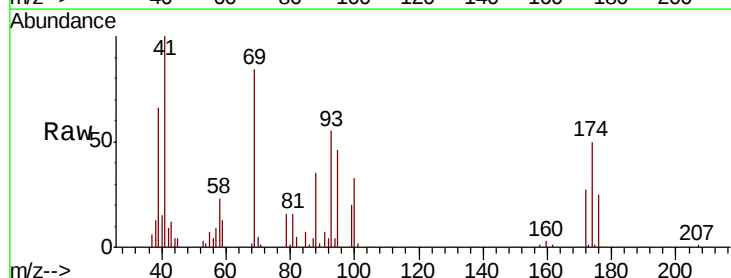
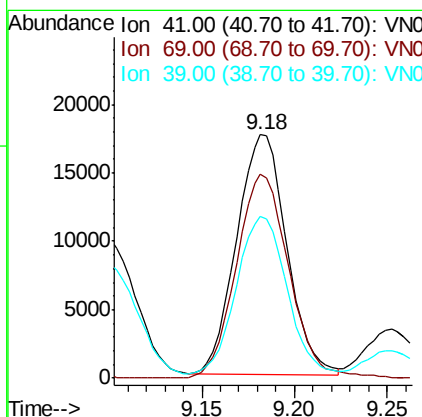
Manual Integrations
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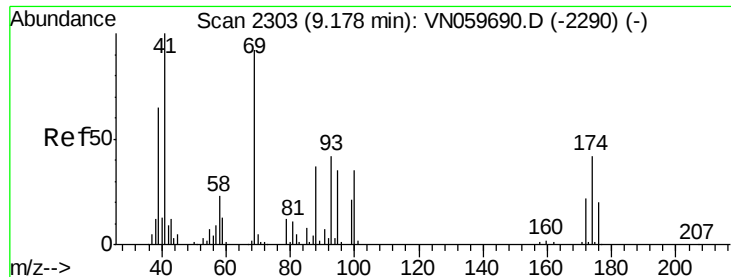
MMDadoda
2/12/2020 3:03:09 PM



#48
Methyl methacrylate
Concen: 19.707 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN060056.D
Acq: 11 Feb 2020 11:40

Tgt Ion	41	Resp	32775
Ion Ratio	100		
69	90.0	64.4	96.6
39	67.4	51.3	76.9





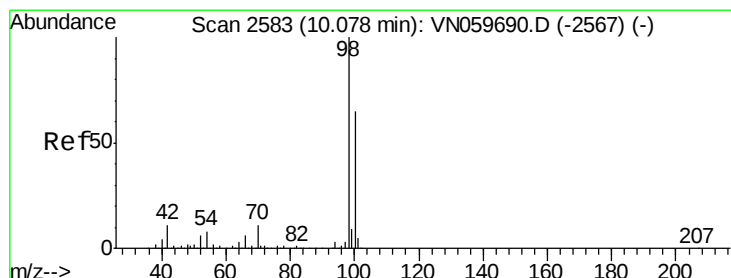
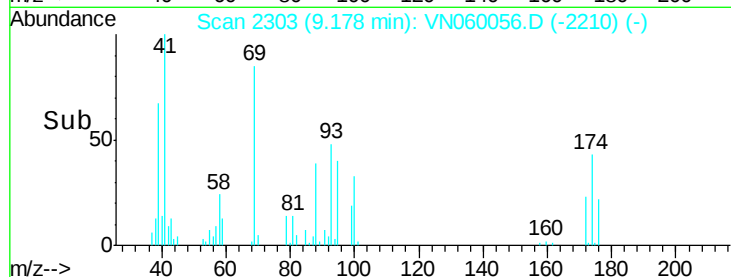
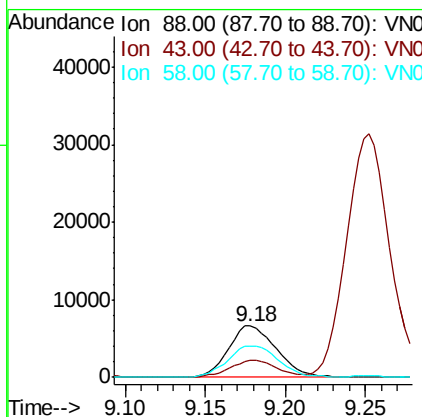
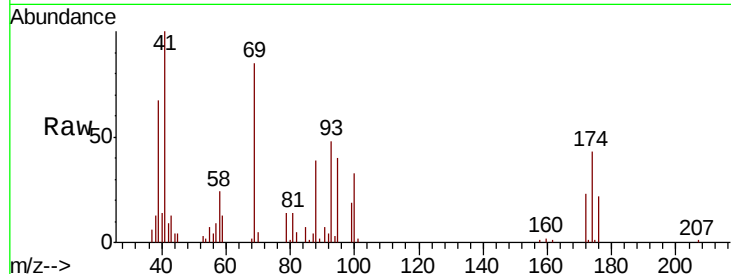
#49
1,4-Dioxane
Concen: 442.951 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN060056.D
Acq: 11 Feb 2020 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN0211WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.7	29.7	44.5
58	64.9	56.6	85.0

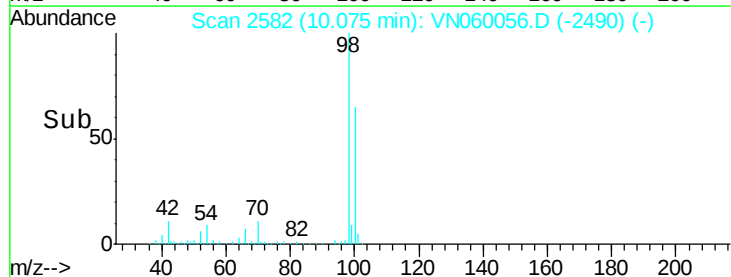
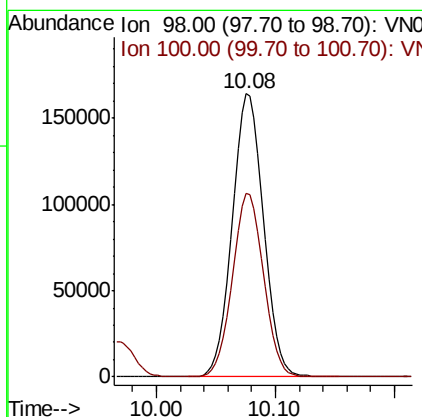
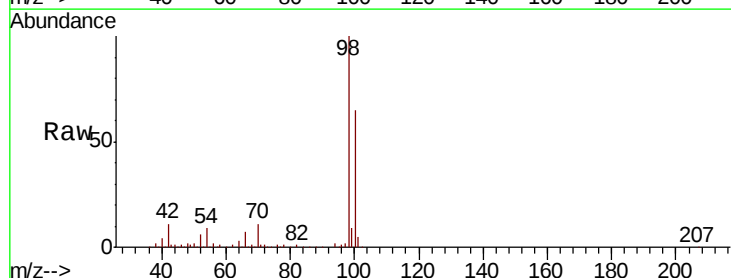
Manual Integrations
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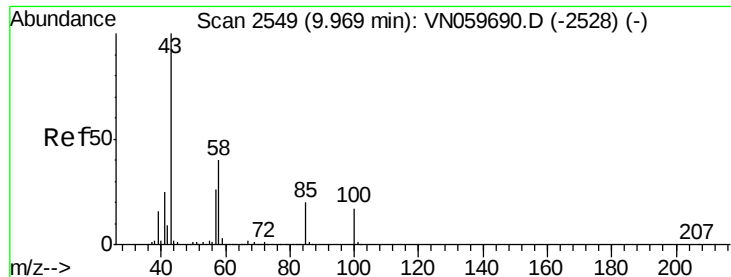
MMDadoda
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#50
Toluene-d8
Concen: 48.887 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060056.D
Acq: 11 Feb 2020 11:40

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 106.339 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN060056.D

Acq: 11 Feb 2020 11:40

Instrument :

MSVOA_N

ClientSampled :

VN0211WBSD01

Tot Ion: 43 Resp: 228561

Ion Ratio Lower Upper

43 100

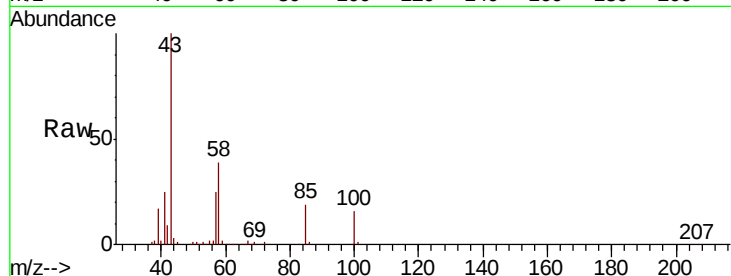
58 39.0 29.8 44.8

Manual Integrations

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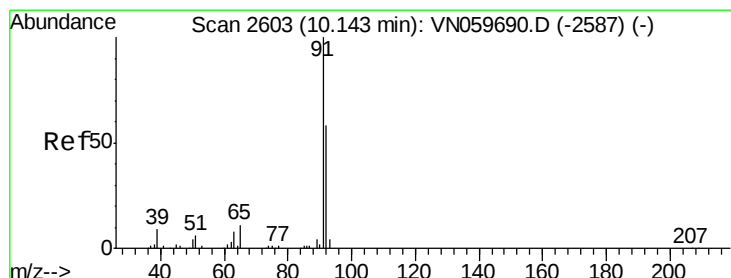
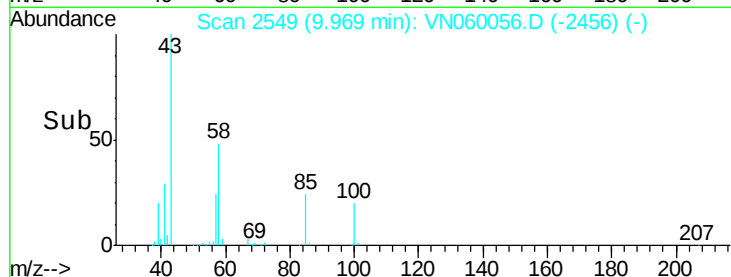
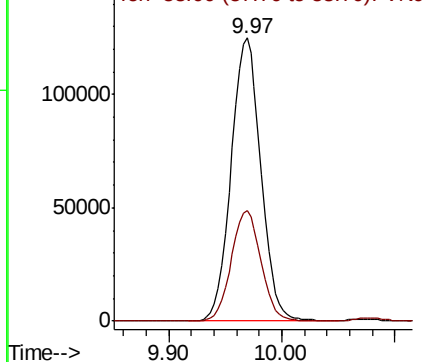
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 19.874 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN060056.D

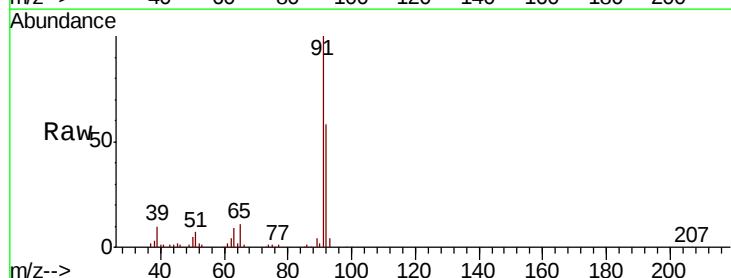
Acq: 11 Feb 2020 11:40

Tgt Ion: 92 Resp: 86286

Ion Ratio Lower Upper

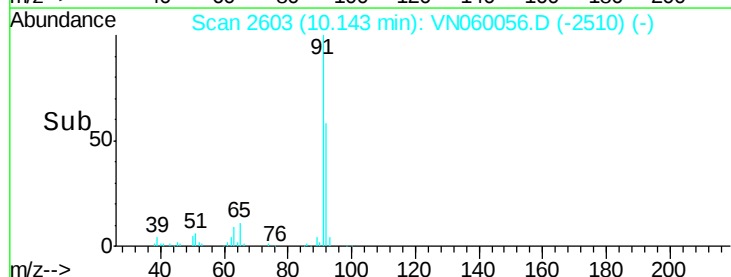
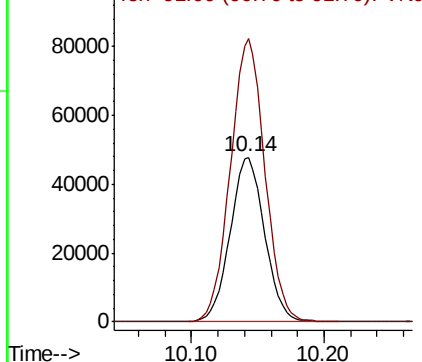
92 100

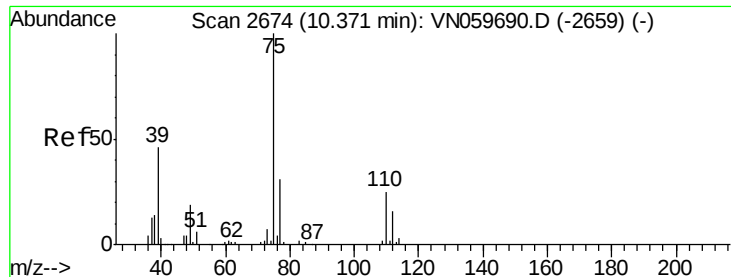
91 172.1 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 21.275 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. 0.00 min

Lab File: VN060056.D

Acq: 11 Feb 2020 11:40

Instrument :

MSVOA_N

ClientSampled :

VN0211WBSD01

Tot Ion: 75 Resp: 57437

Ion Ratio Lower Upper

75 100

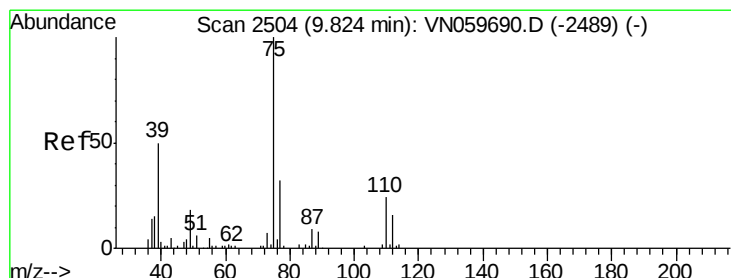
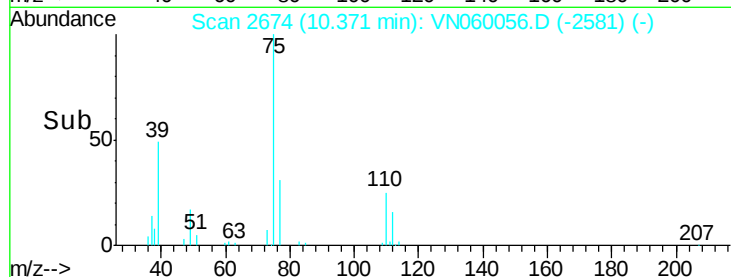
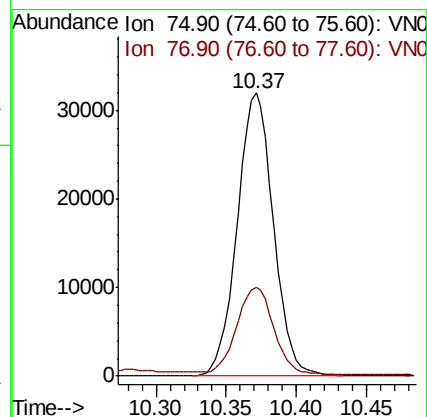
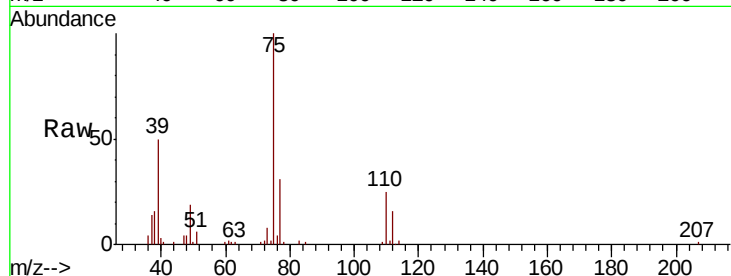
77 30.7 25.4 38.2

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 21.173 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN060056.D

Acq: 11 Feb 2020 11:40

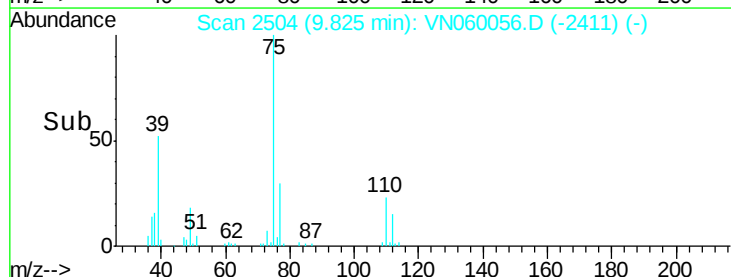
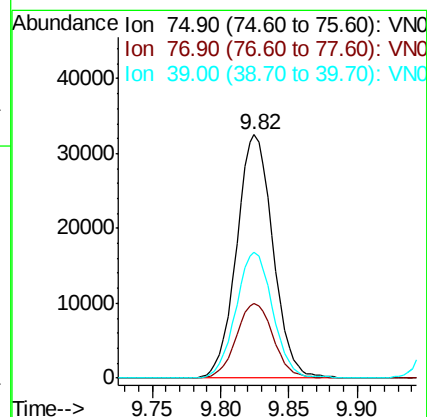
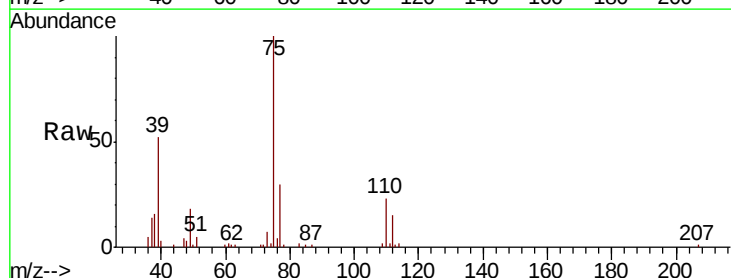
Tgt Ion: 75 Resp: 60144

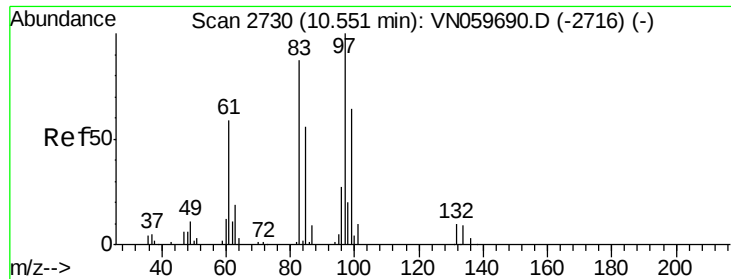
Ion Ratio Lower Upper

75 100

77 30.5 25.1 37.7

39 51.8 46.1 69.1





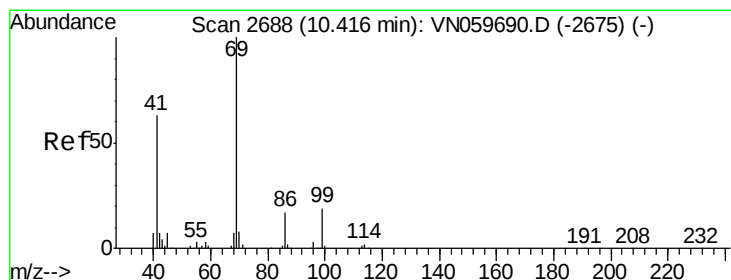
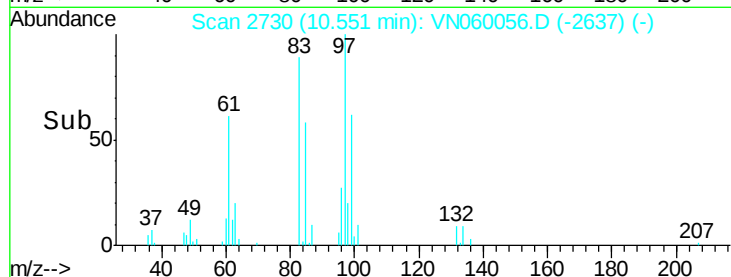
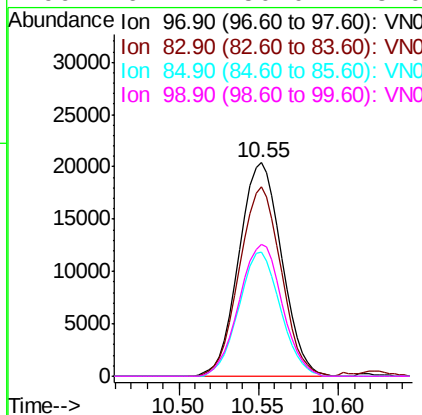
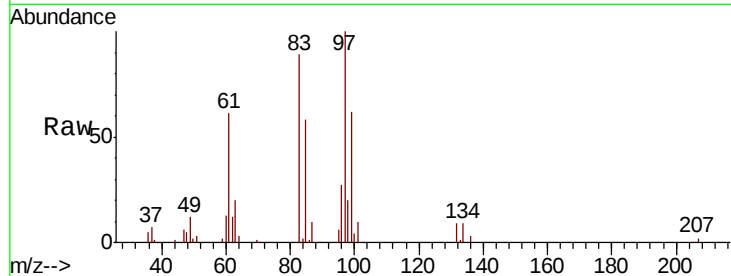
#55
 1,1,2-Trichloroethane
 Concen: 21.691 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN060056.D
 Acq: 11 Feb 2020 11:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0211WBSD01

Tot Ion:	97	Resp:	37299
Ion	Ratio	Lower	Upper
97	100		
83	88.8	71.3	106.9
85	58.2	45.8	68.8
99	61.7	50.0	75.0

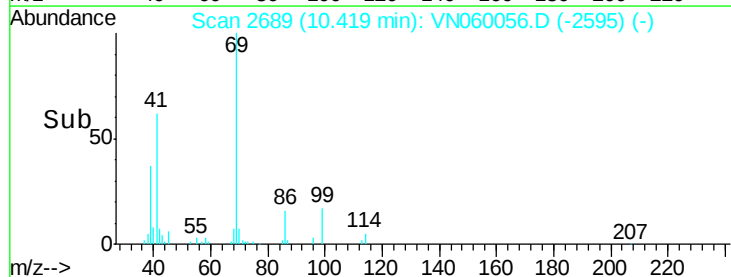
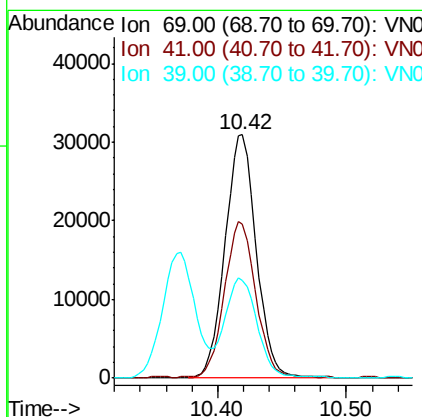
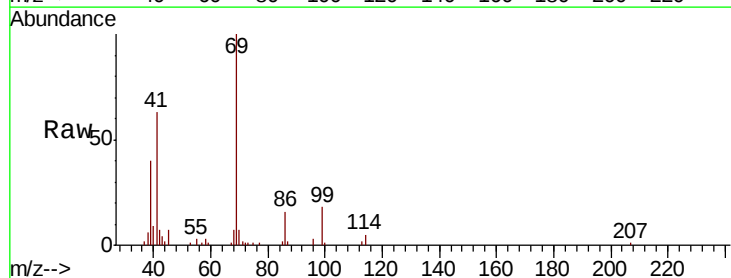
Manual Integrations
 APPROVED

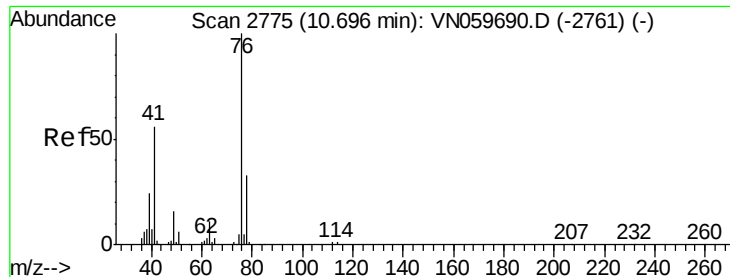
MMDadoda
 2/12/2020 3:03:09 PM



#56
 Ethyl methacrylate
 Concen: 19.774 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. 0.00 min
 Lab File: VN060056.D
 Acq: 11 Feb 2020 11:40

Tgt Ion:	69	Resp:	51956
Ion	Ratio	Lower	Upper
69	100		
41	65.2	57.1	85.7
39	41.0	34.7	52.1





#57

1,3-Dichloropropane

Concen: 21.902 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN060056.D

Acq: 11 Feb 2020 11:40

Instrument :

MSVOA_N

ClientSampleId :

VN0211WBSD01

Tot Ion: 76 Resp: 59794

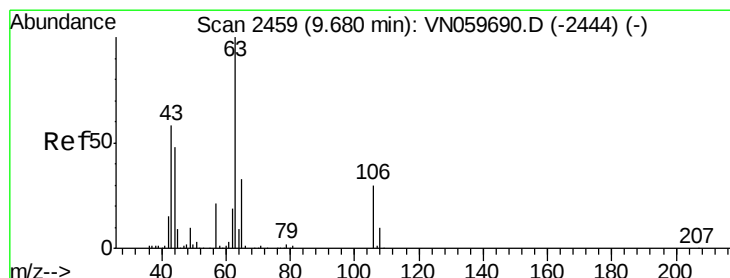
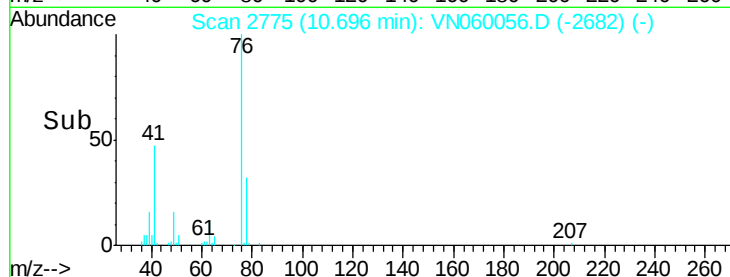
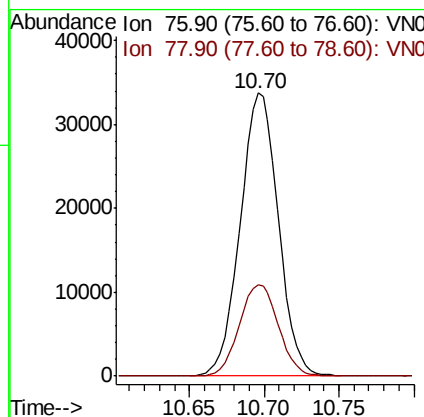
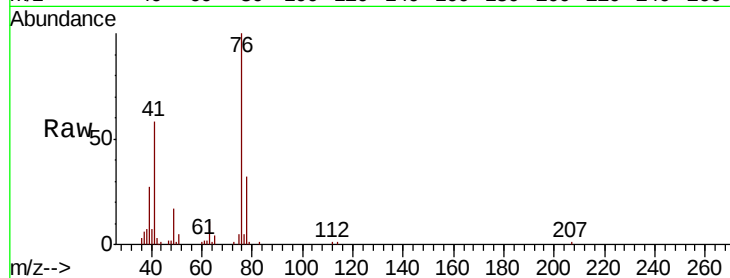
Ion Ratio Lower Upper

76 100

78 33.1 25.8 38.8

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 118.592 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN060056.D

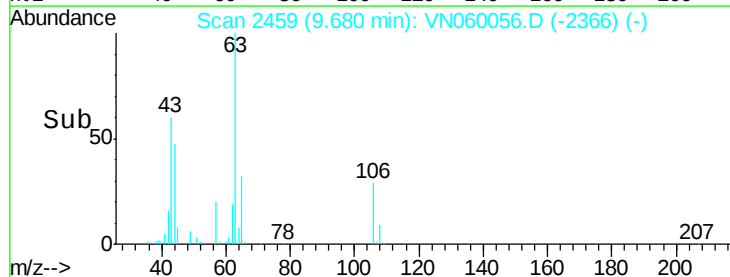
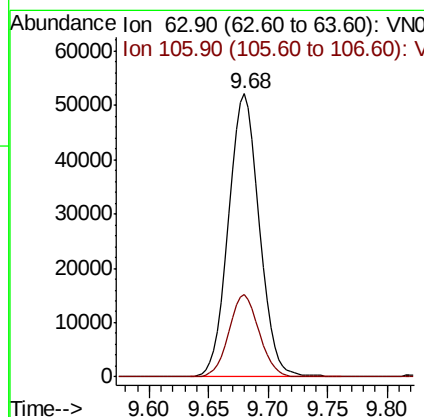
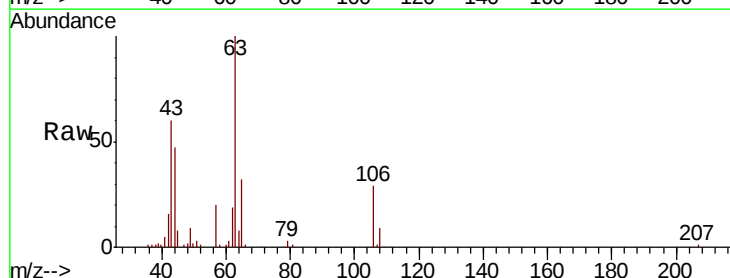
Acq: 11 Feb 2020 11:40

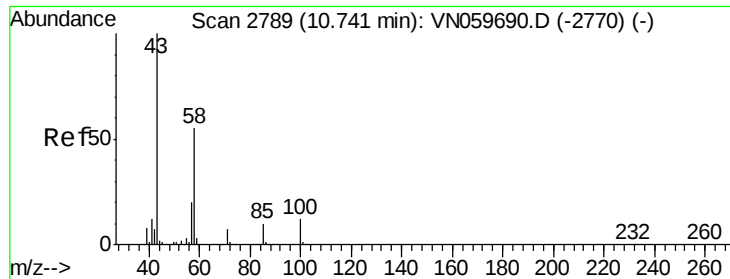
Tgt Ion: 63 Resp: 93855

Ion Ratio Lower Upper

63 100

106 28.4 20.2 30.2





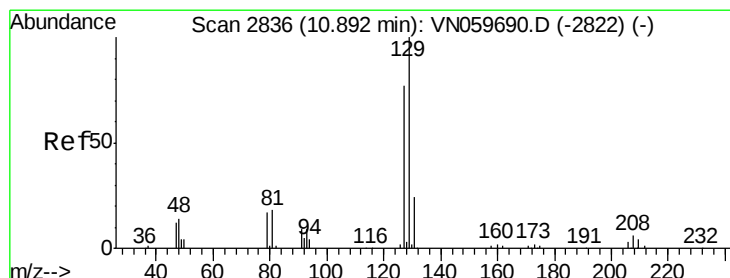
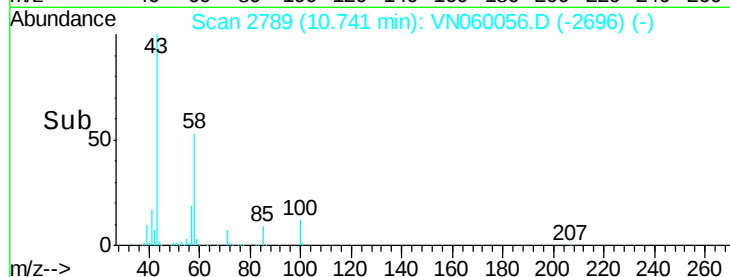
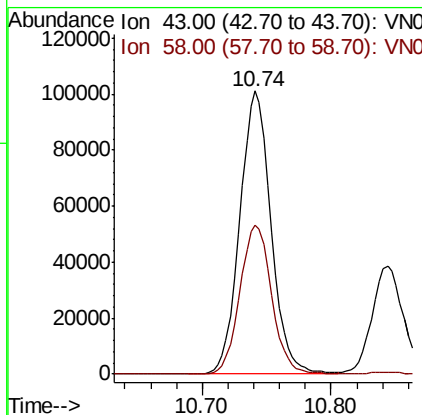
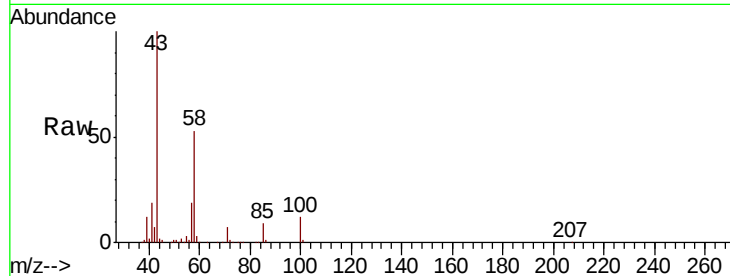
#59
2-Hexanone
Concen: 107.462 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060056.D
Acq: 11 Feb 2020 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN0211WBSD01

Tot Ion: 43 Resp: 170159
Ion Ratio Lower Upper
43 100
58 53.7 25.8 77.3

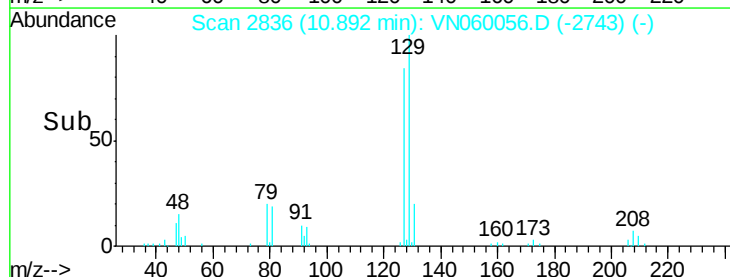
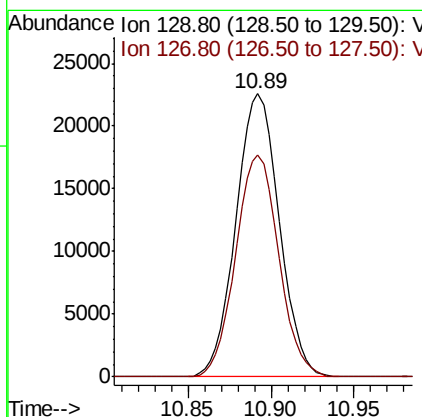
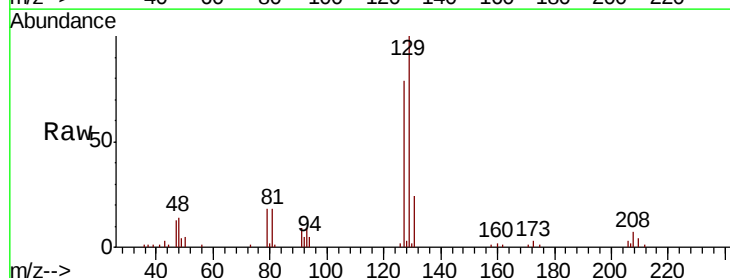
Manual Integrations
APPROVED

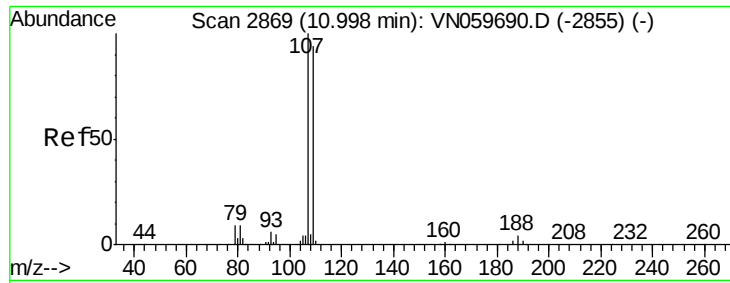
MMDadoda
2/12/2020 3:03:09 PM



#60
Dibromochloromethane
Concen: 20.978 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060056.D
Acq: 11 Feb 2020 11:40

Tgt Ion: 129 Resp: 41078
Ion Ratio Lower Upper
129 100
127 78.0 38.5 115.5





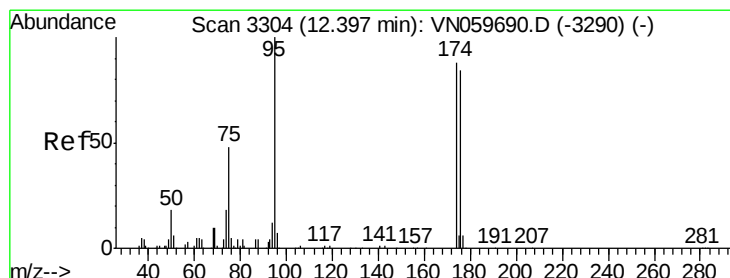
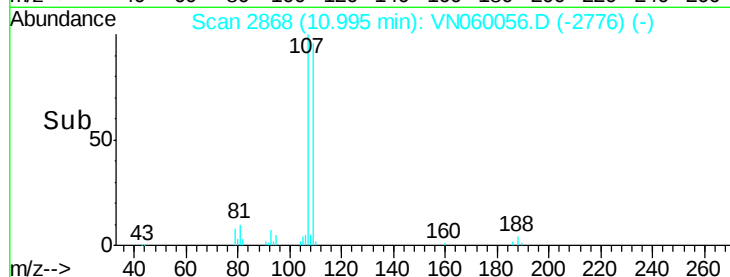
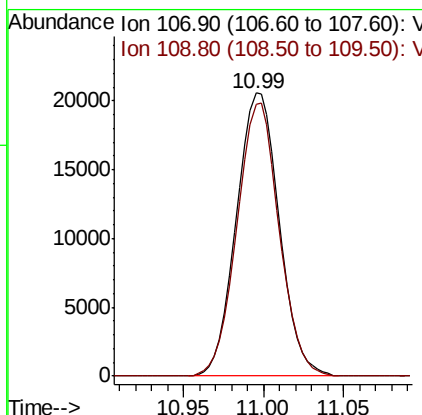
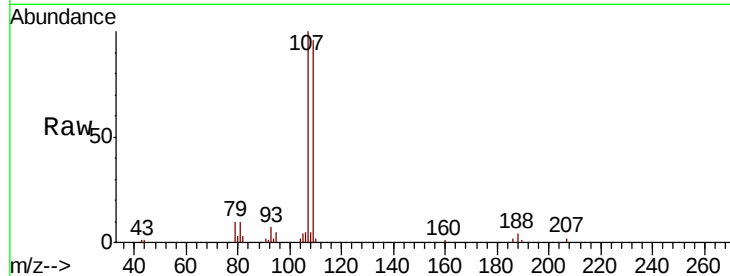
#61
 1,2-Dibromoethane
 Concen: 20.823 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060056.D
 Acq: 11 Feb 2020 11:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0211WBSD01

Tot Ion: 107 Resp: 37529
 Ion Ratio Lower Upper
 107 100
 109 95.0 76.6 115.0

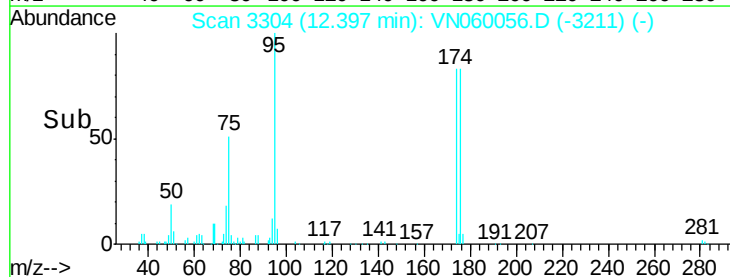
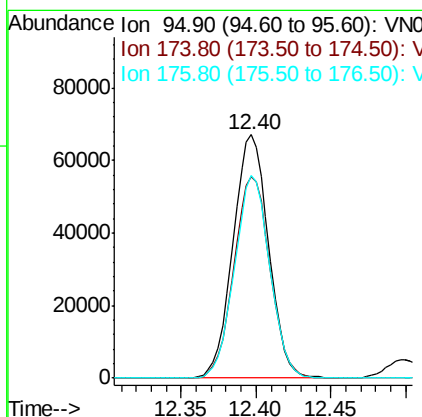
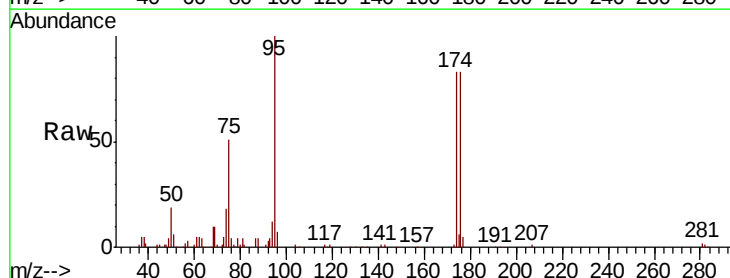
Manual Integrations
 APPROVED

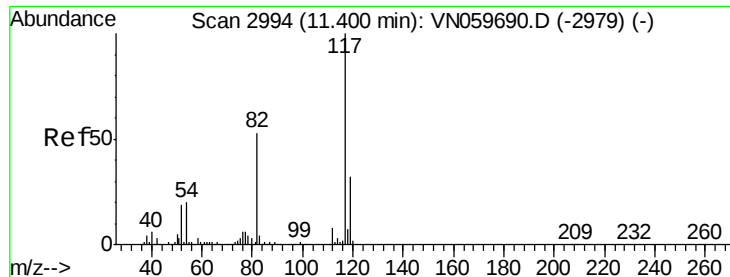
MMDadoda
 2/12/2020 3:03:09 PM



#62
 4-Bromofluorobenzene
 Concen: 50.280 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN060056.D
 Acq: 11 Feb 2020 11:40

Tgt Ion: 95 Resp: 110842
 Ion Ratio Lower Upper
 95 100
 174 84.0 0.0 151.4
 176 82.4 0.0 146.0





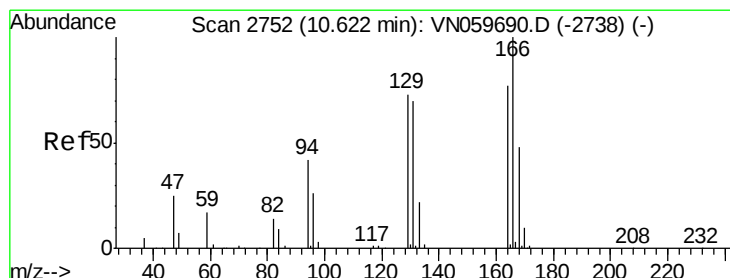
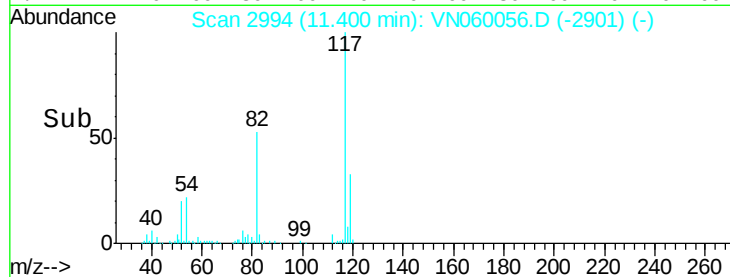
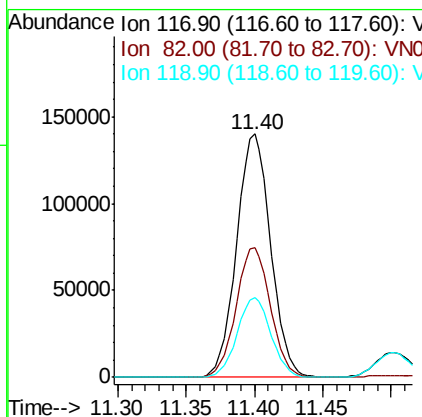
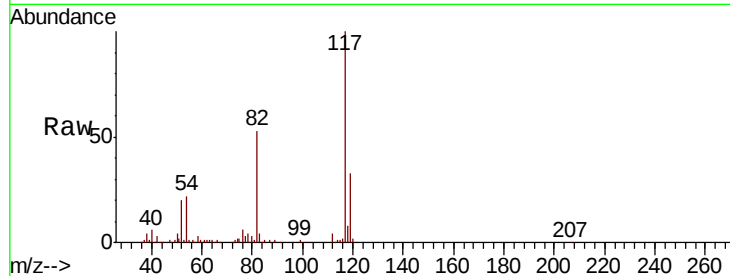
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060056.D
Acq: 11 Feb 2020 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN0211WBSD01

Tot Ion:	117	Resp:	243104
Ion Ratio	Lower	Upper	
117	100		
82	53.4	45.9	68.9
119	32.9	25.5	38.3

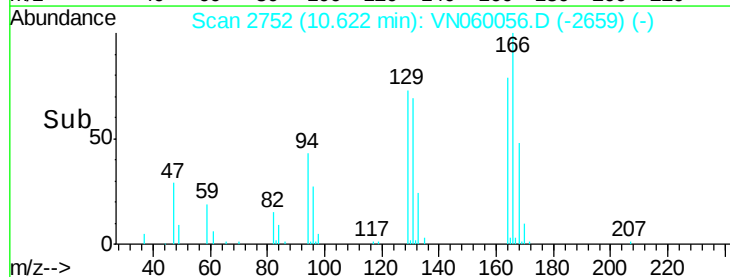
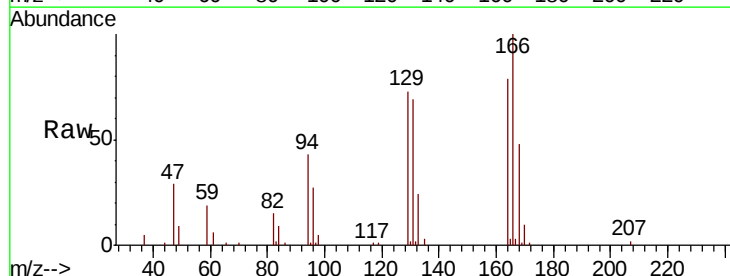
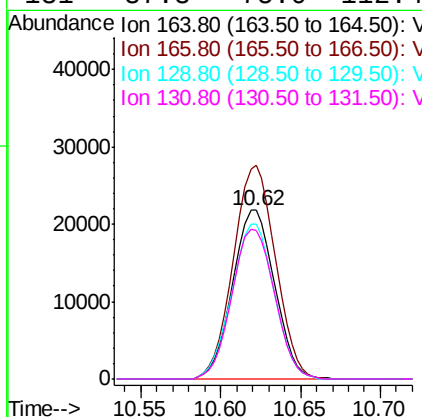
Manual Integrations
APPROVED

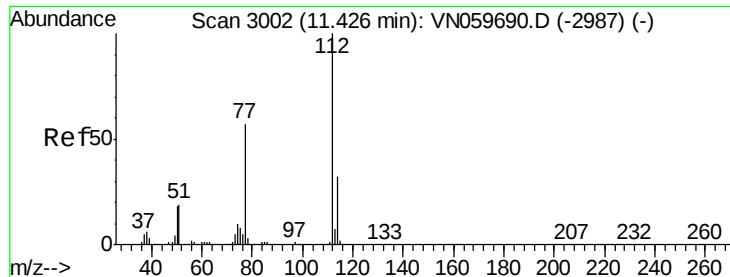
MMDadoda
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#64
Tetrachloroethene
Concen: 19.822 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN060056.D
Acq: 11 Feb 2020 11:40

Tgt Ion:	164	Resp:	39274
Ion Ratio	Lower	Upper	
164	100		
166	126.5	101.4	152.0
129	91.9	80.2	120.4
131	87.8	75.0	112.4





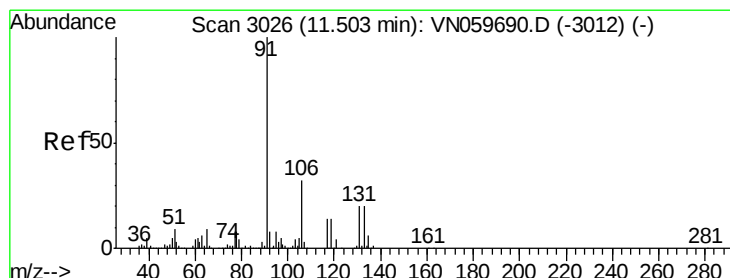
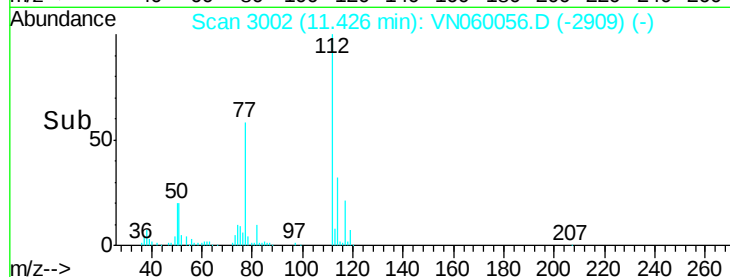
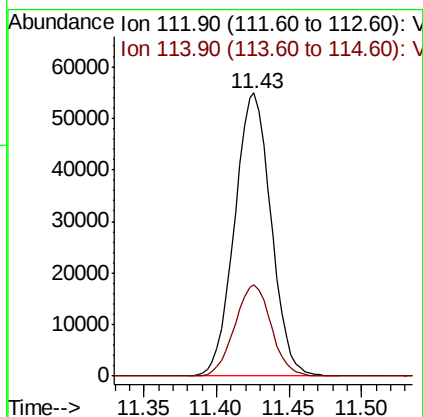
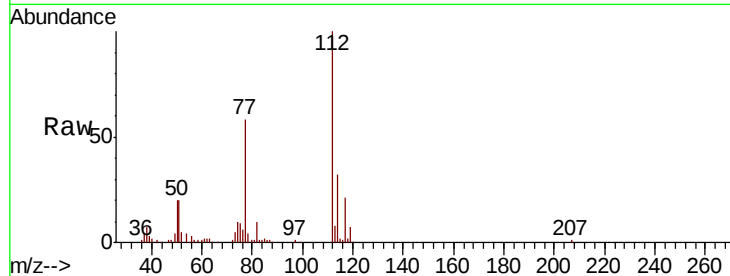
#65
Chlorobenzene
Concen: 20.051 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN060056.D
Acq: 11 Feb 2020 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN0211WBSD01

Tot Ion:112 Resp: 95811
Ion Ratio Lower Upper
112 100
114 32.2 25.8 38.8

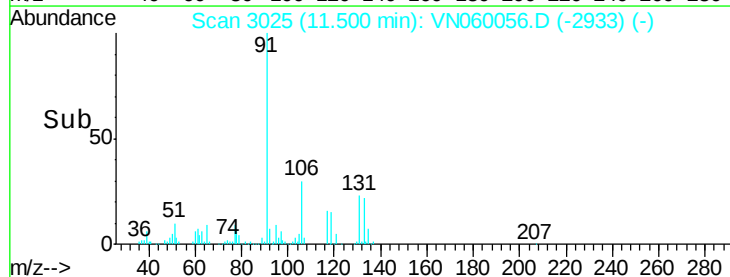
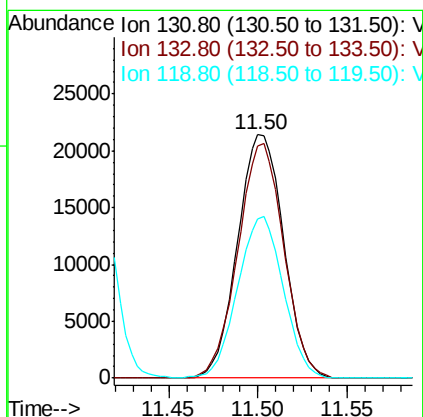
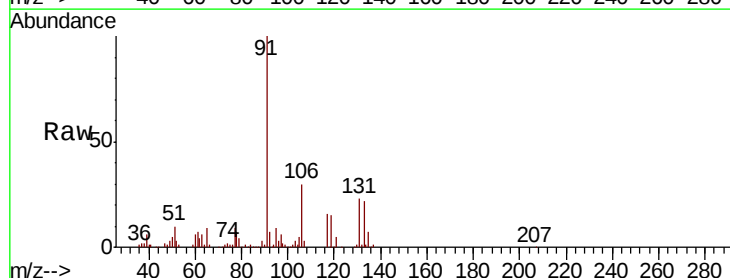
Manual Integrations
APPROVED

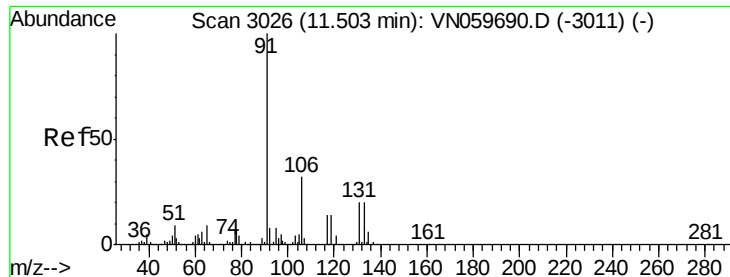
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.878 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN060056.D
Acq: 11 Feb 2020 11:40

Tgt Ion:131 Resp: 38547
Ion Ratio Lower Upper
131 100
133 95.9 47.4 142.2
119 65.7 33.1 99.3





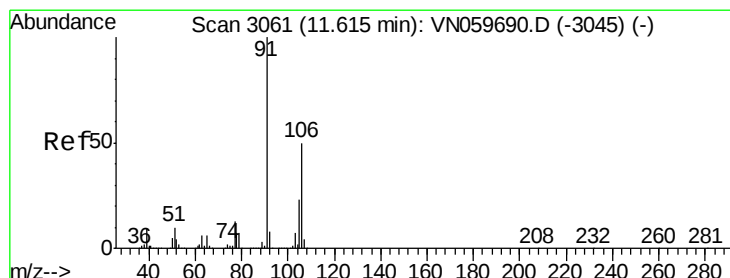
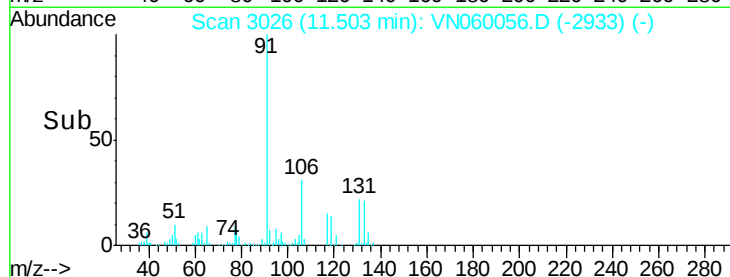
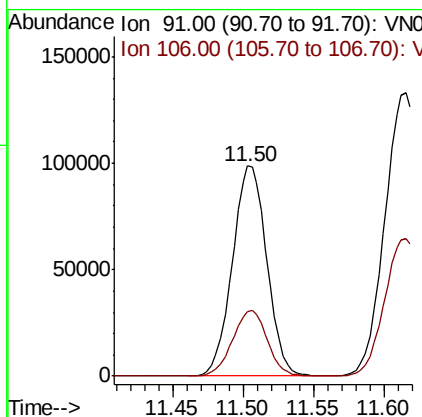
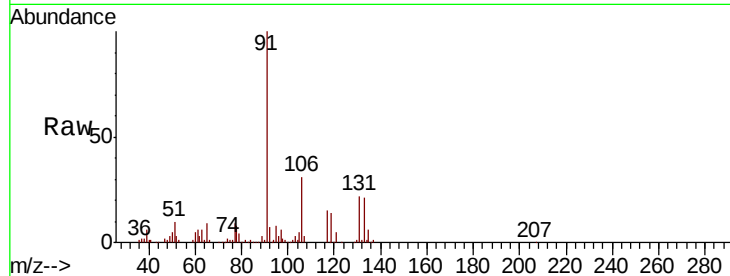
#67
Ethyl Benzene
Concen: 19.448 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN060056.D
Acq: 11 Feb 2020 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN0211WBSD01

Tot Ion: 91 Resp: 168694
Ion Ratio Lower Upper
91 100
106 30.8 24.1 36.1

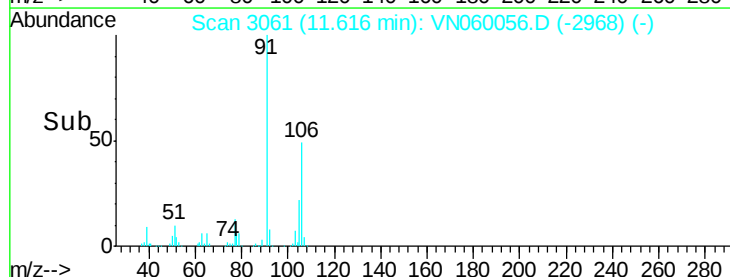
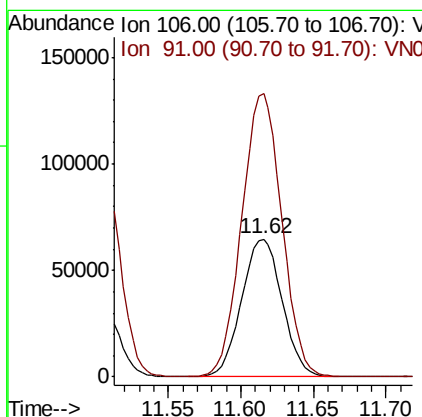
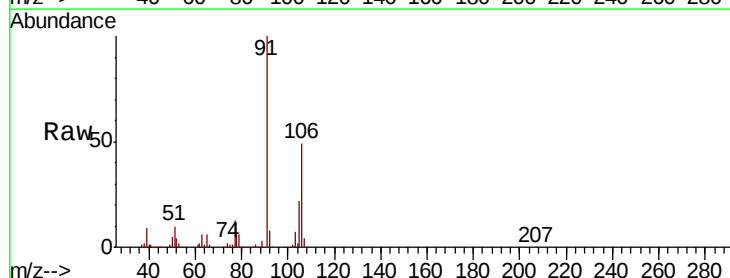
Manual Integrations
APPROVED

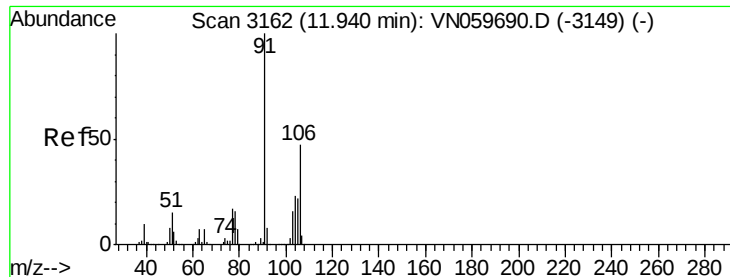
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#68
m/p-Xylenes
Concen: 38.455 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. 0.00 min
Lab File: VN060056.D
Acq: 11 Feb 2020 11:40

Tgt Ion: 106 Resp: 126000
Ion Ratio Lower Upper
106 100
91 203.7 167.9 251.9





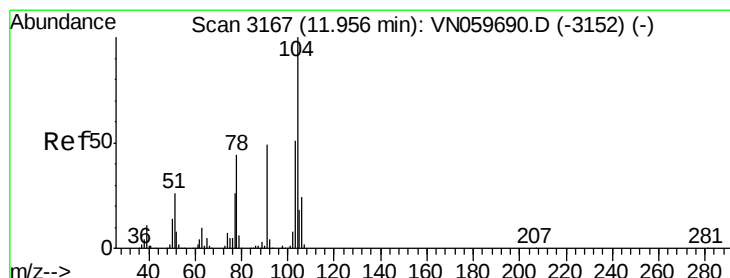
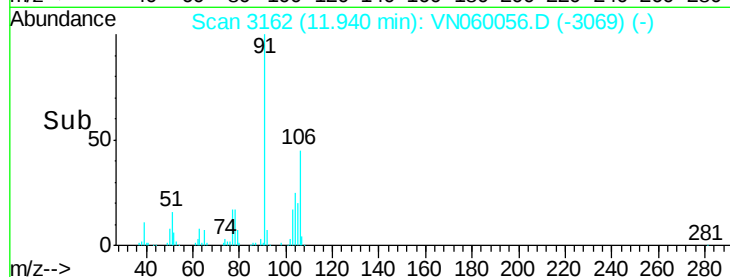
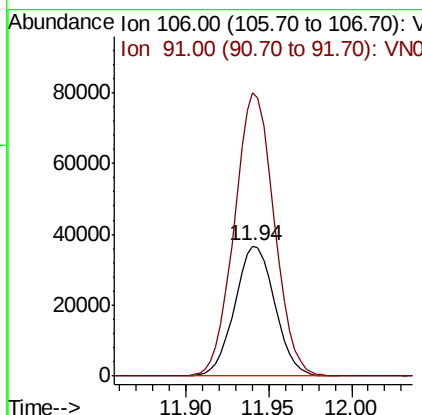
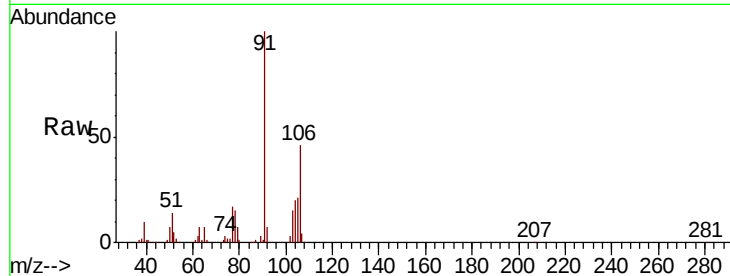
#69
o-Xylene
Concen: 19.310 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060056.D
Acq: 11 Feb 2020 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN0211WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	91	216.1	110.3	330.9

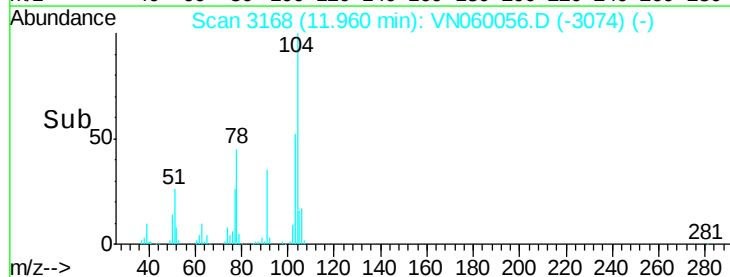
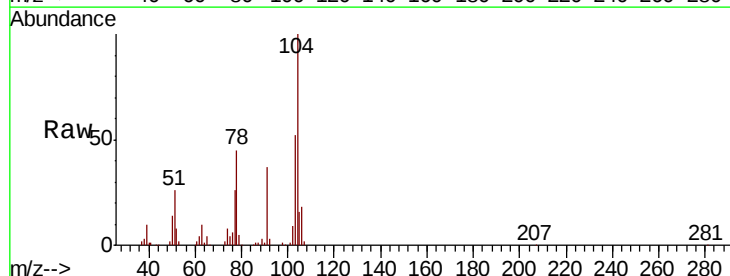
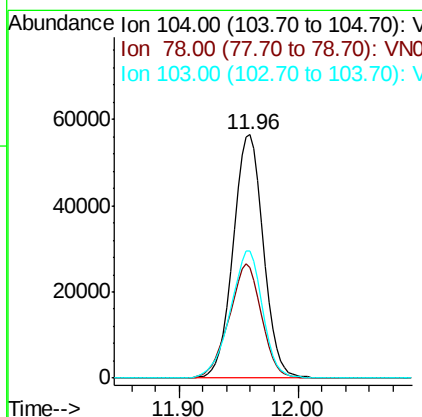
Manual Integrations
APPROVED

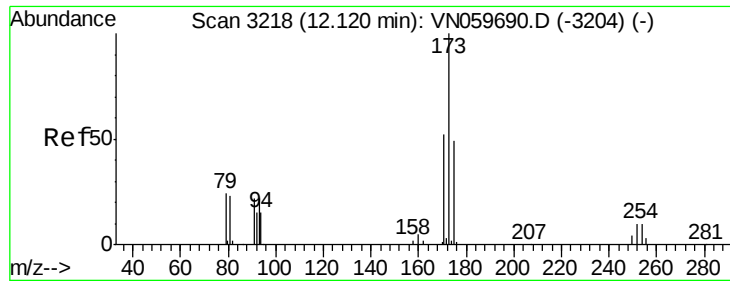
MMDadoda
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#70
Styrene
Concen: 18.543 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN060056.D
Acq: 11 Feb 2020 11:40

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	78	50.3	42.4	63.6
103	103	55.6	43.9	65.9





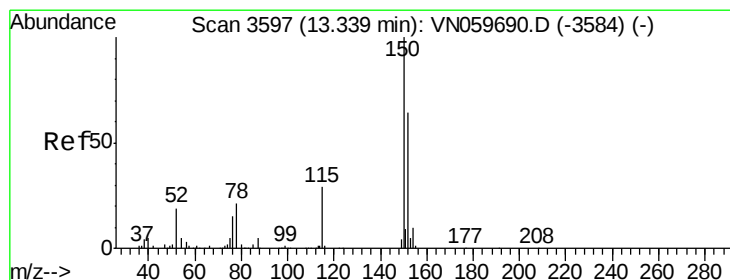
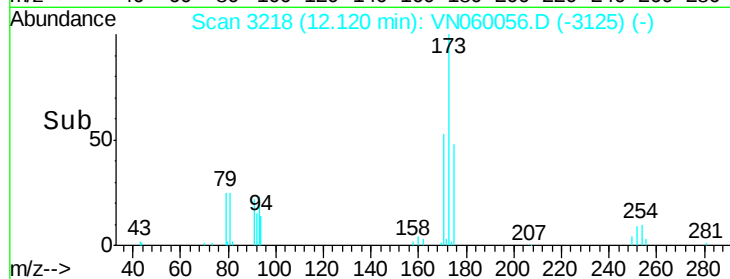
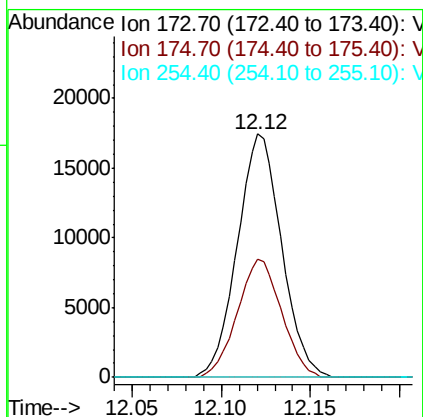
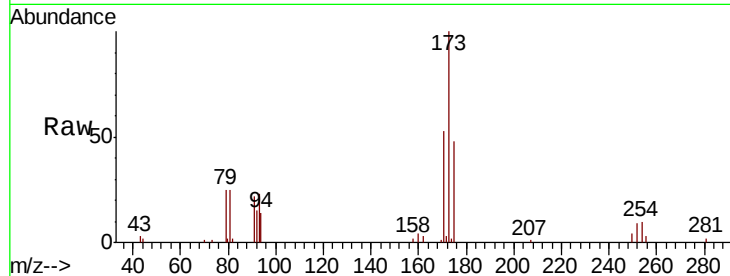
#71
Bromoform
Concen: 20.432 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN060056.D
Acq: 11 Feb 2020 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN0211WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	23.8	71.4
254	0.0	0.0	0.0

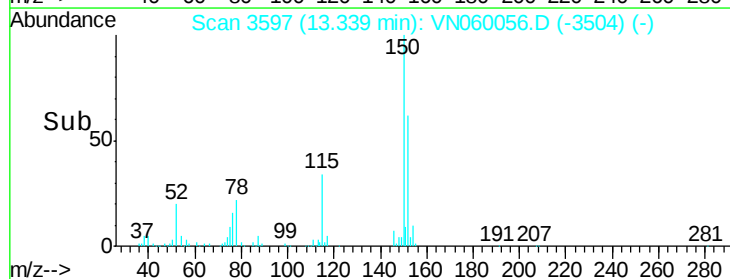
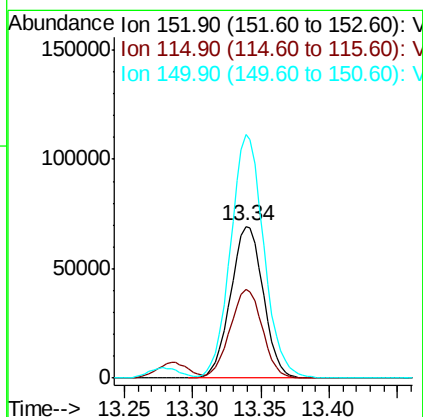
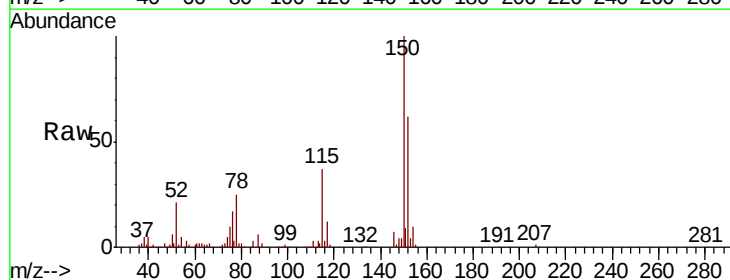
Manual Integrations
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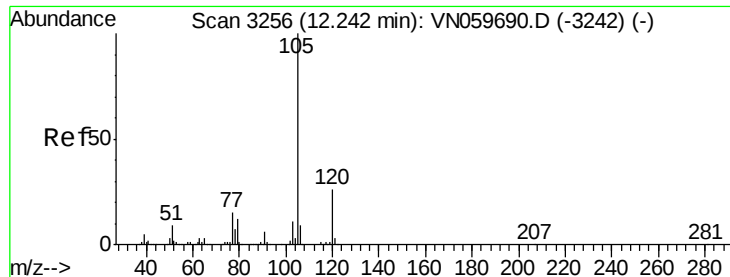
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN060056.D
Acq: 11 Feb 2020 11:40

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.2	30.3	90.9
150	163.0	0.0	345.2





#73

Isopropylbenzene

Concen: 19.849 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN060056.D

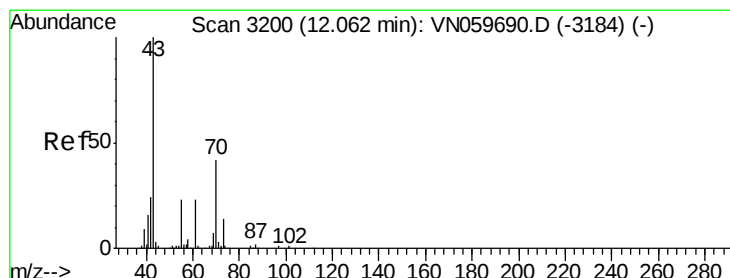
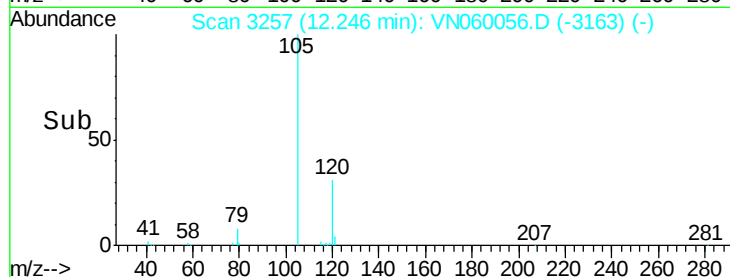
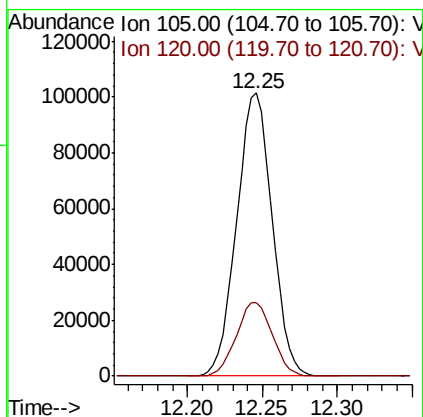
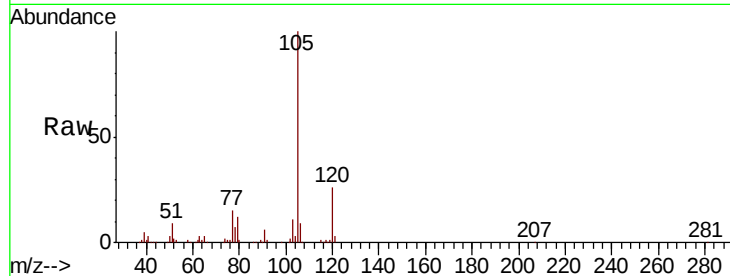
Acq: 11 Feb 2020 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN0211WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.4	13.2	39.5

Manual Integrations
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#74

N-ethyl acetate

Concen: 19.778 ug/l

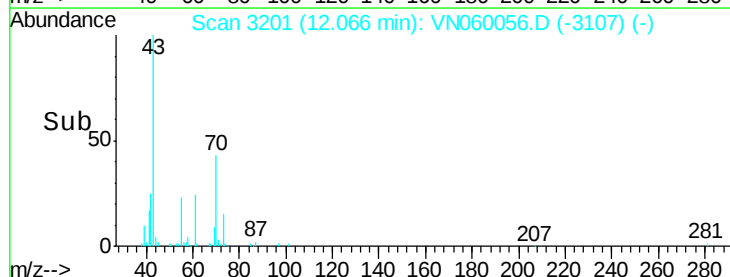
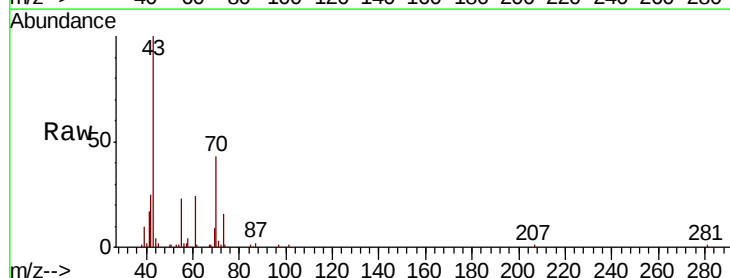
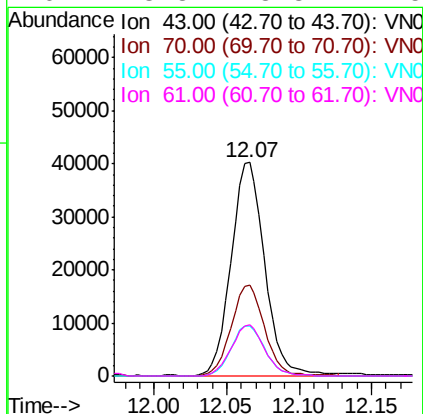
RT: 12.07 min Scan# 3201

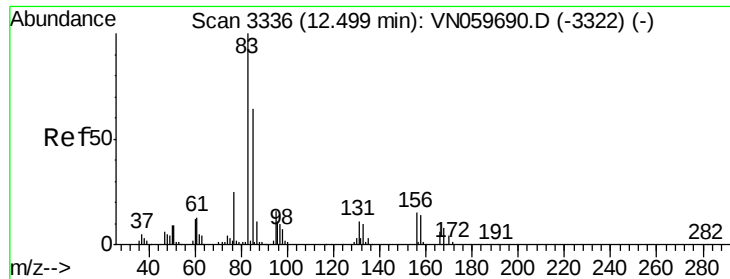
Delta R.T. 0.00 min

Lab File: VN060056.D

Acq: 11 Feb 2020 11:40

Tgt Ion	Ratio	Lower	Upper
43	100		
70	42.1	31.3	46.9
55	23.6	19.8	29.6
61	23.8	18.3	27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 21.535 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060056.D

Acq: 11 Feb 2020 11:40

Instrument :

MSVOA_N

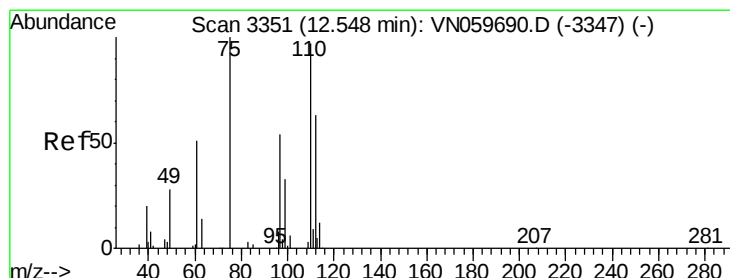
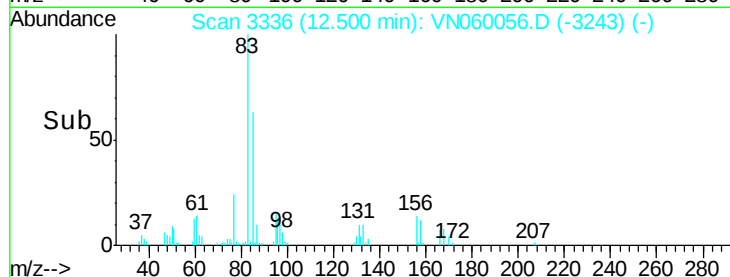
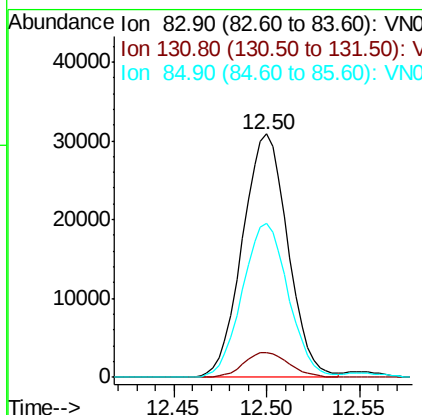
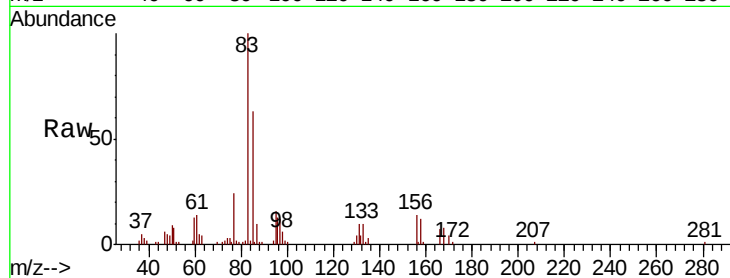
ClientSampleId :

VN0211WBSD01

Tot Ion:	83	Resp:	52722
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.0	14.9
85	64.1	31.9	95.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 24.652 ug/l m

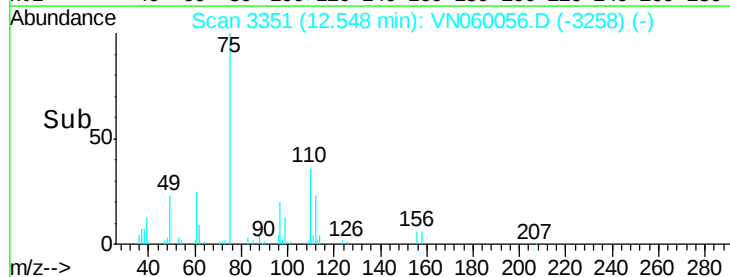
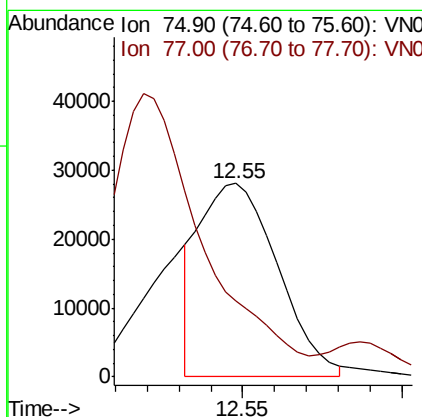
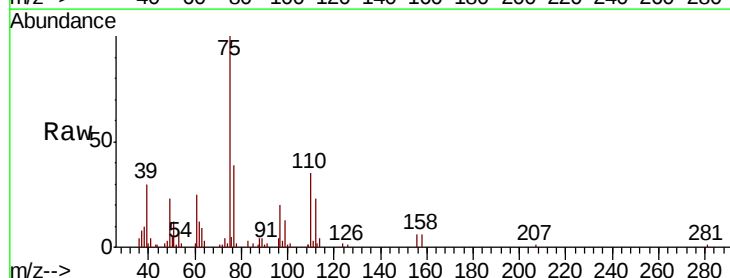
RT: 12.55 min Scan# 3351

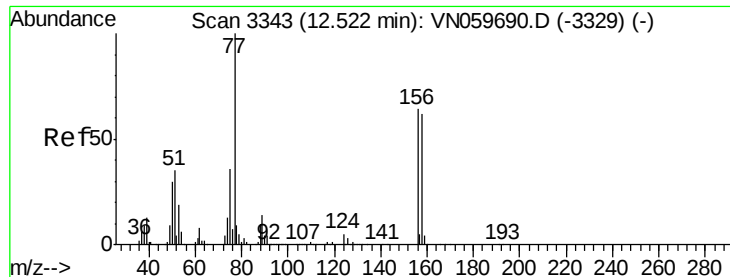
Delta R.T. 0.00 min

Lab File: VN060056.D

Acq: 11 Feb 2020 11:40

Tgt Ion:	75	Resp:	47770
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.288 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN060056.D

Acq: 11 Feb 2020 11:40

Instrument :

MSVOA_N

ClientSampleId :

VN0211WBSD01

Tot Ion:156 Resp: 43388

Ion Ratio Lower Upper

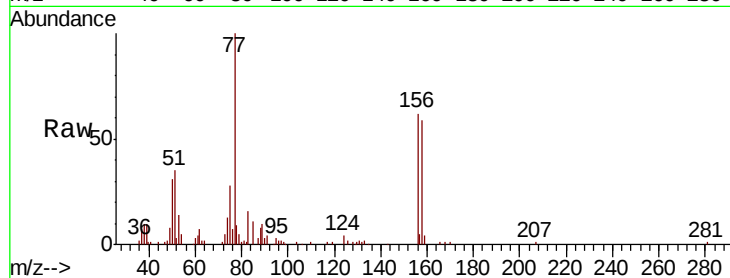
156 100

77 197.1 115.8 347.4

158 96.8 49.2 147.6

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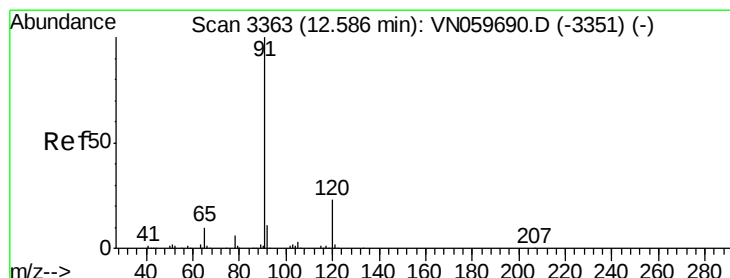
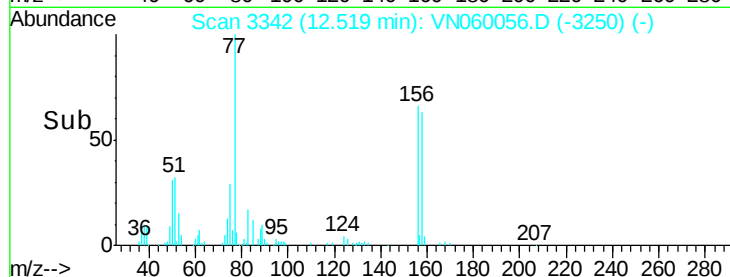
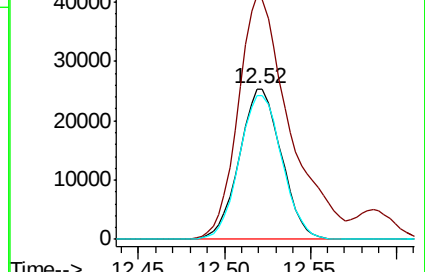
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.861 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060056.D

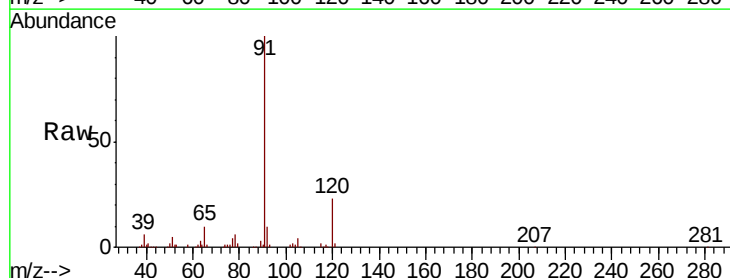
Acq: 11 Feb 2020 11:40

Tgt Ion: 91 Resp: 188249

Ion Ratio Lower Upper

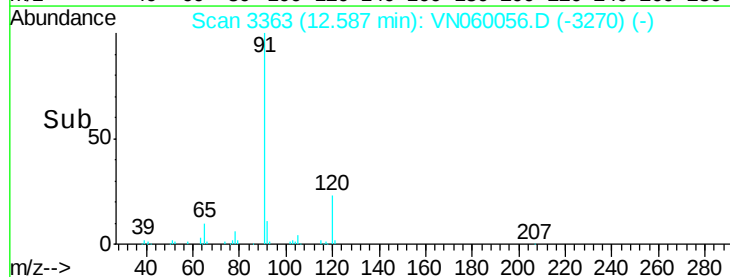
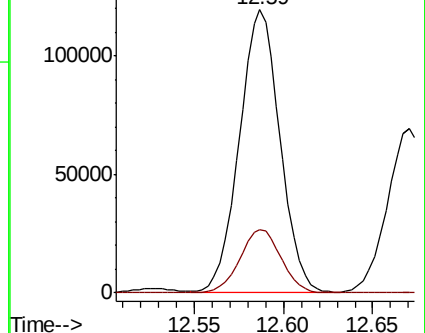
91 100

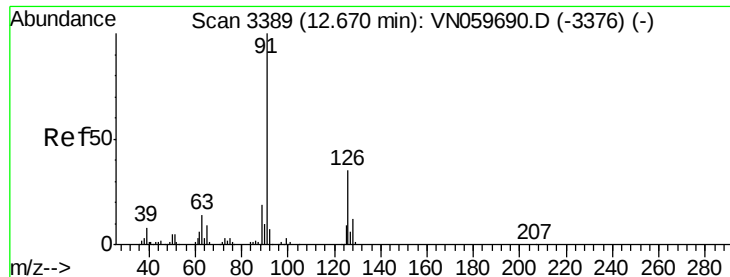
120 22.8 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.172 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN060056.D

Acq: 11 Feb 2020 11:40

Instrument :

MSVOA_N

ClientSampleId :

VN0211WBSD01

Tot Ion: 91 Resp: 113742

Ion Ratio Lower Upper

91 100

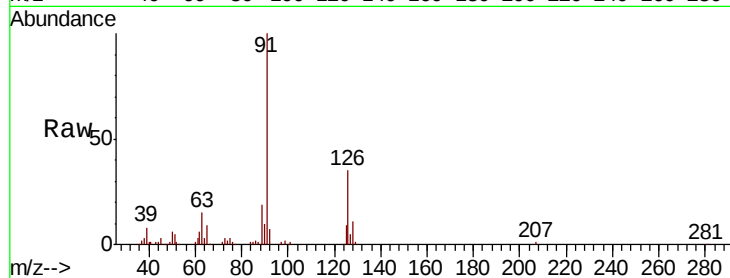
126 35.1 16.3 48.9

Manual Integrations

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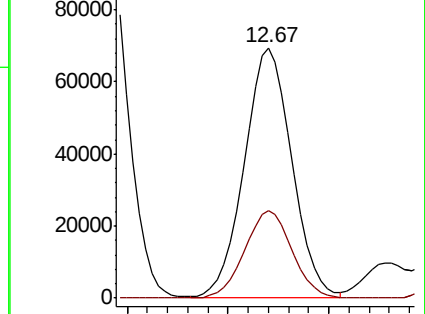
MMDadoda

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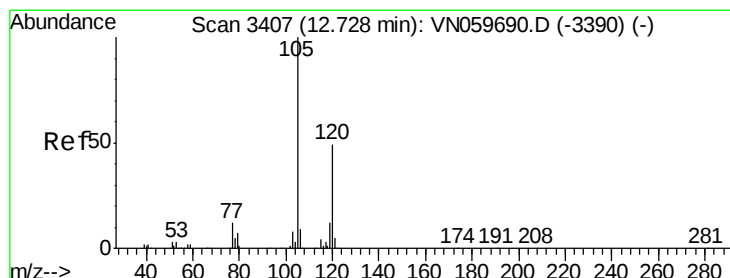
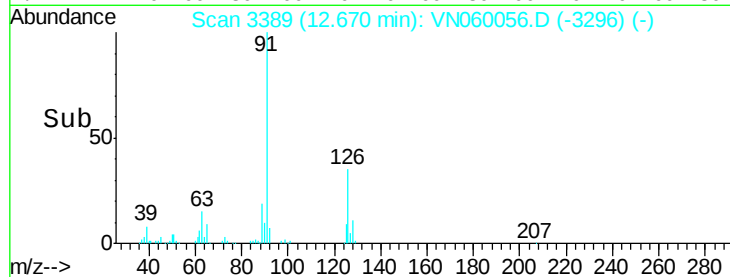


Abundance Ion 91.00 (90.70 to 91.70): VN060056.D (-3376) (-)

Ion 125.90 (125.60 to 126.60): VN060056.D (-3376) (-)



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.642 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN060056.D

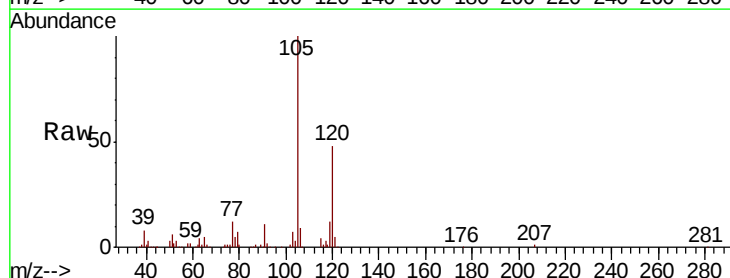
Acq: 11 Feb 2020 11:40

Tgt Ion: 105 Resp: 139499

Ion Ratio Lower Upper

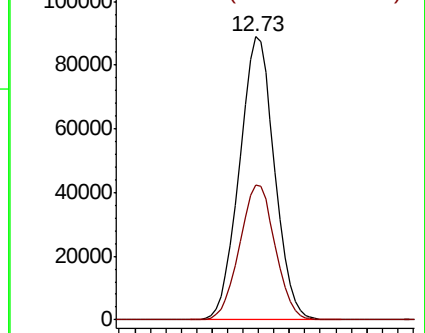
105 100

120 48.5 24.1 72.4

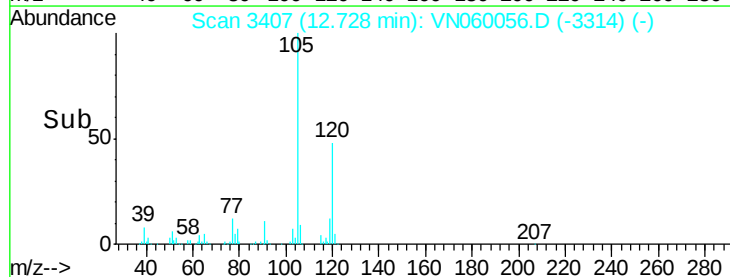


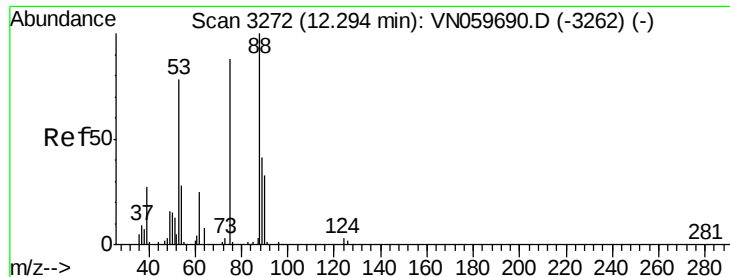
Abundance Ion 105.00 (104.70 to 105.70): VN060056.D (-3314) (-)

Ion 120.00 (119.70 to 120.70): VN060056.D (-3314) (-)



Time-->





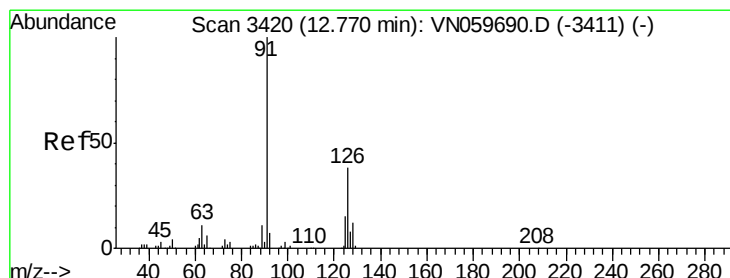
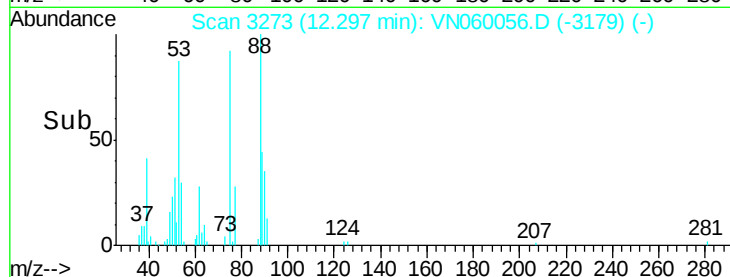
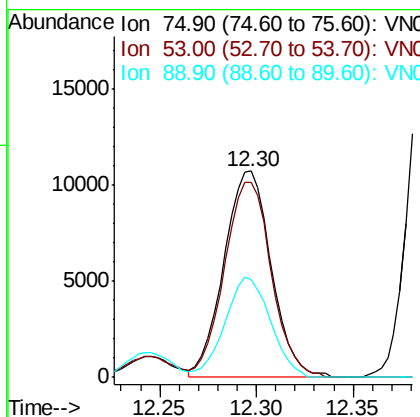
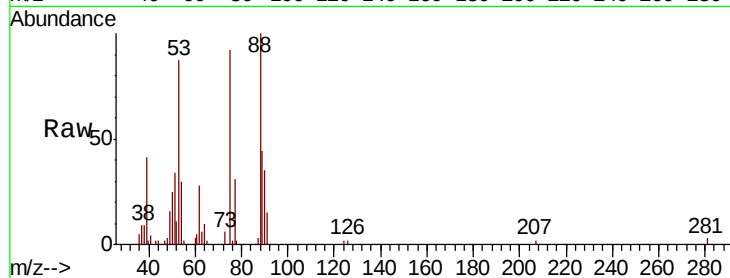
#81
trans-1,4-Dichloro-2-butene
Concen: 20.193 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. 0.00 min
Lab File: VN060056.D
Acq: 11 Feb 2020 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN0211WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	94.2	78.1	117.1
89	46.8	35.4	53.2

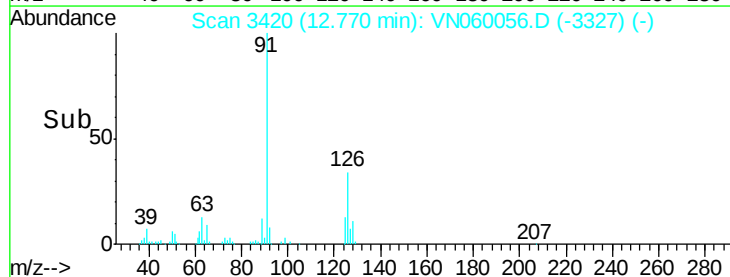
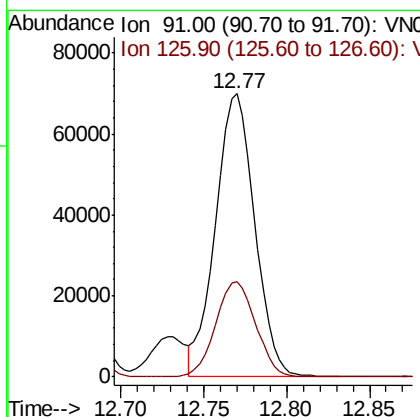
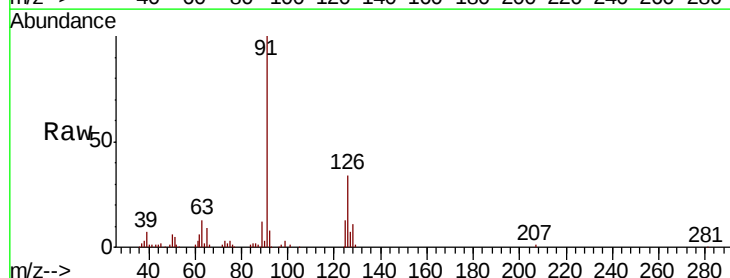
Manual Integrations
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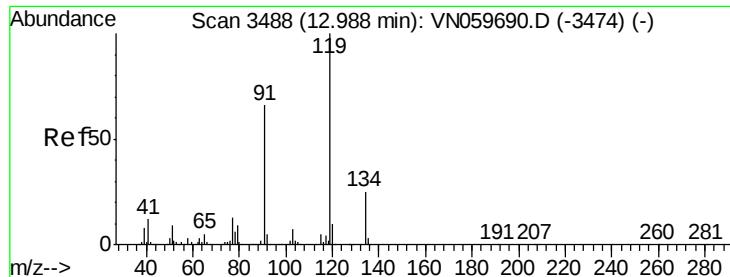
MMDadoda
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#82
4-Chlorotoluene
Concen: 20.363 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN060056.D
Acq: 11 Feb 2020 11:40

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.2	16.3	48.8





#83

tert-Butylbenzene

Concen: 19.679 ug/l

RT: 12.99 min Scan# 3488

Delta R.T. 0.00 min

Lab File: VN060056.D

Acq: 11 Feb 2020 11:40

Instrument :

MSVOA_N

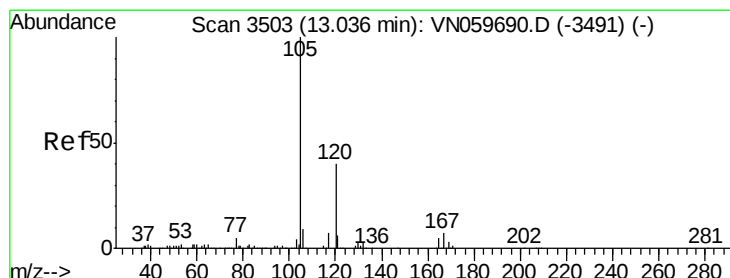
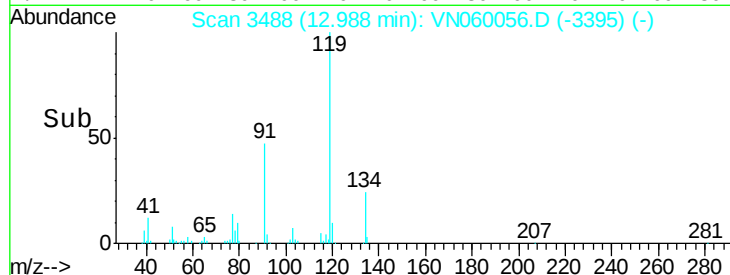
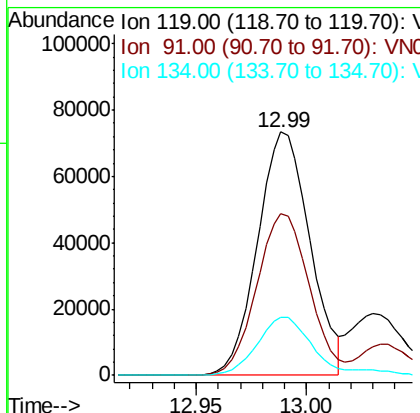
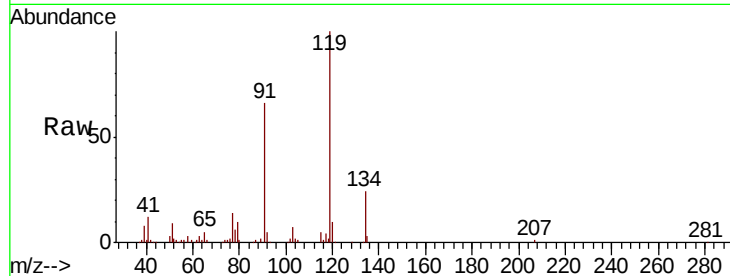
ClientSampleId :

VN0211WBSD01

Tot Ion:	119	Resp:	120877
Ion Ratio	Lower	Upper	
119	100		
91	66.8	34.8	104.4
134	25.9	12.3	36.9

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 20.345 ug/l

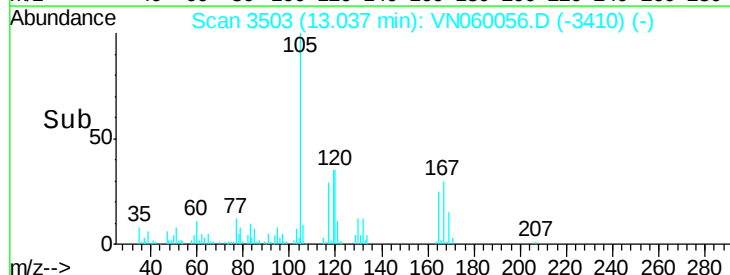
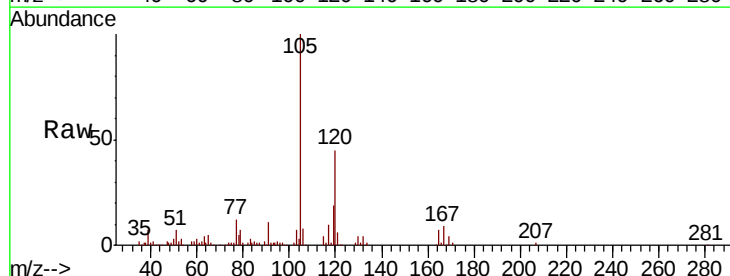
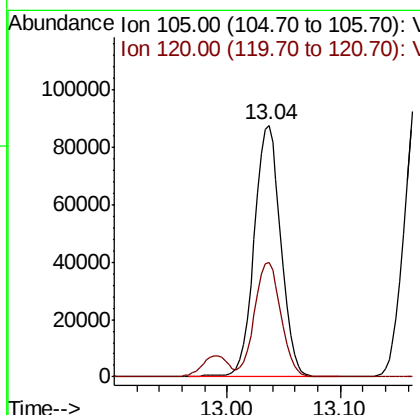
RT: 13.04 min Scan# 3503

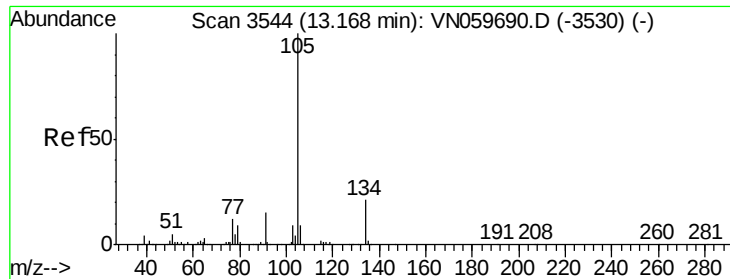
Delta R.T. 0.00 min

Lab File: VN060056.D

Acq: 11 Feb 2020 11:40

Tgt Ion:	105	Resp:	142948
Ion Ratio	Lower	Upper	
105	100		
120	45.2	22.3	66.9





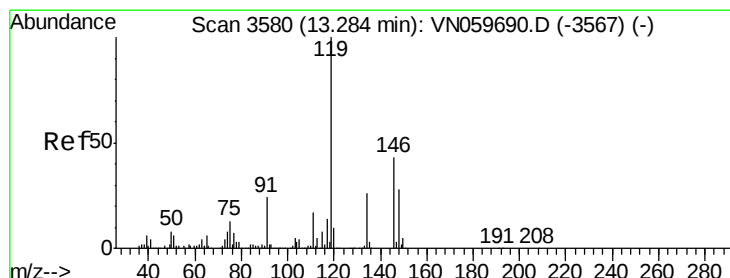
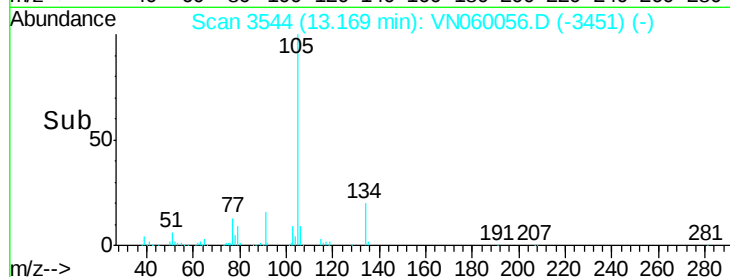
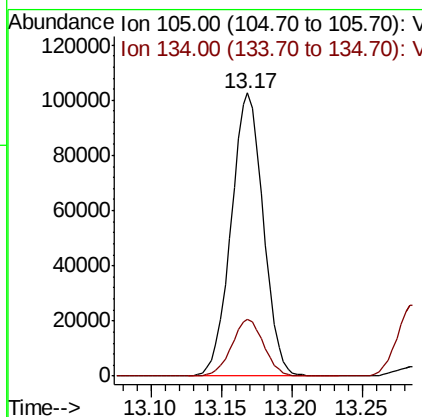
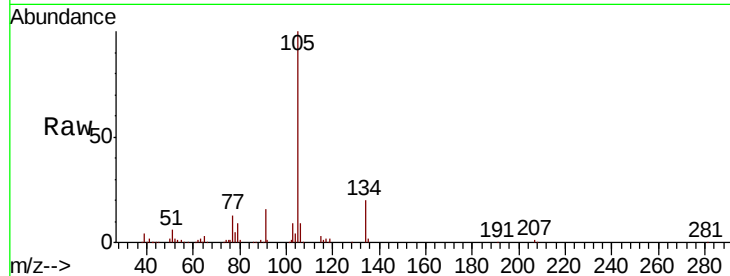
#85
 sec-Butylbenzene
 Concen: 20.260 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN060056.D
 Acq: 11 Feb 2020 11:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0211WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	163503		
134	19.8	9.8	29.5	

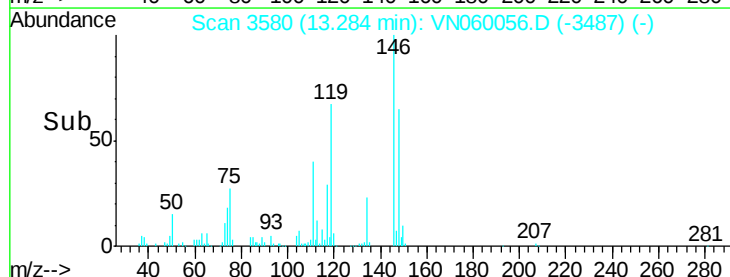
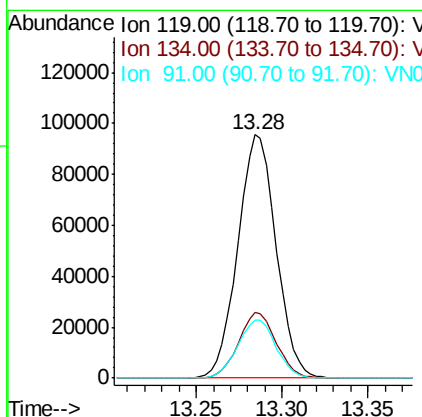
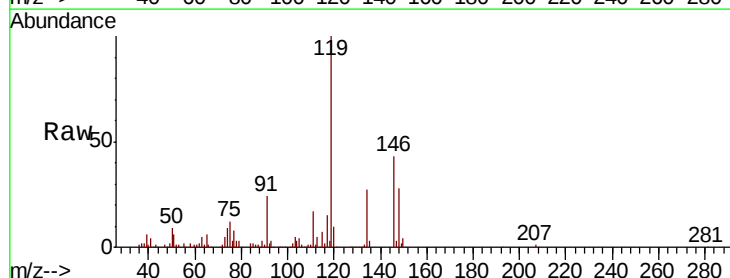
Manual Integrations
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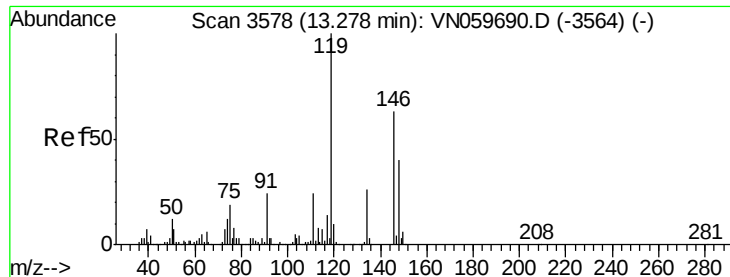
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 2/12/2020 3:03:09 PM



#86
 p-Isopropyltoluene
 Concen: 19.755 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN060056.D
 Acq: 11 Feb 2020 11:40

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	147518		
134	26.5	12.9	38.7	
91	24.0	12.4	37.4	





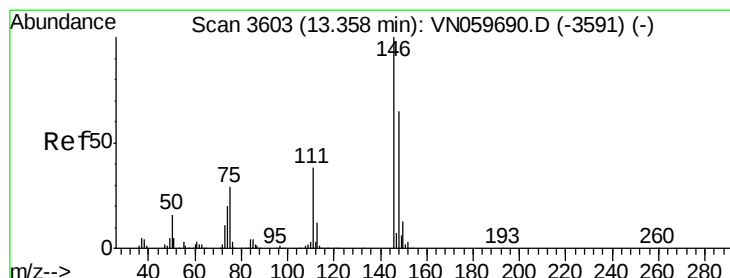
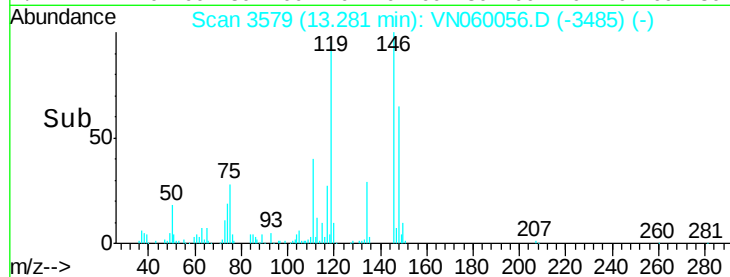
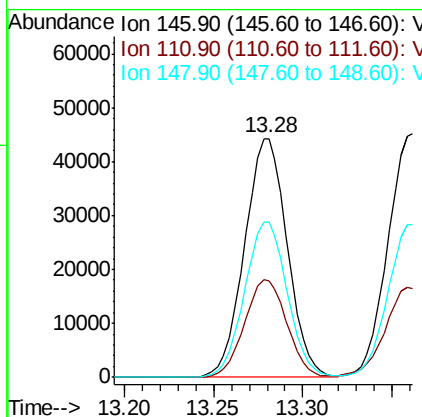
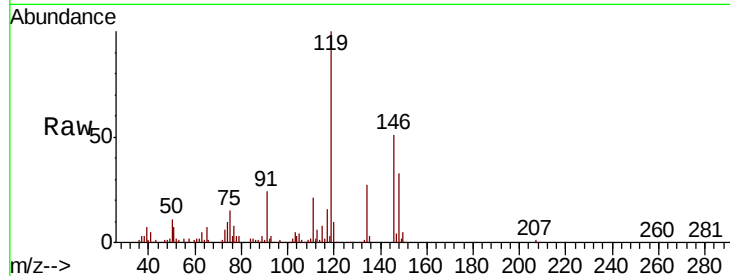
#87
 1,3-Dichlorobenzene
 Concen: 19.962 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN060056.D
 Acq: 11 Feb 2020 11:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0211WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.8	62.2
148	65.0	32.0	96.0

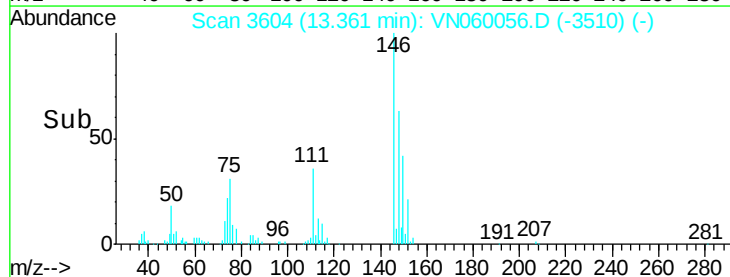
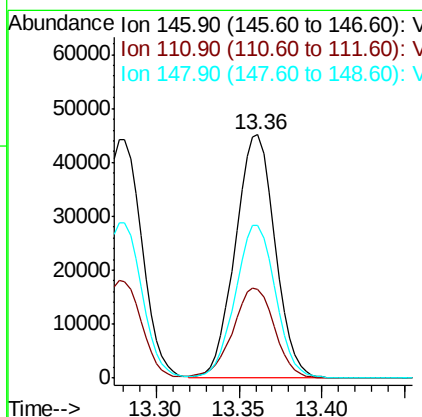
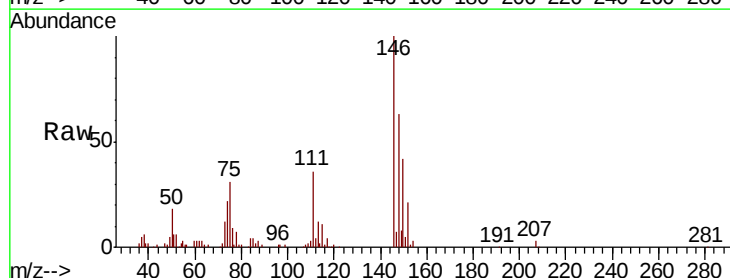
Manual Integrations
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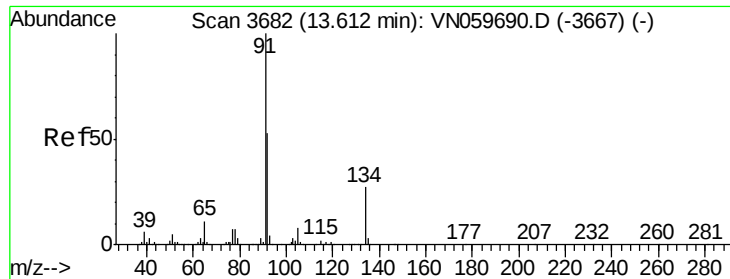
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#88
 1,4-Dichlorobenzene
 Concen: 20.393 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN060056.D
 Acq: 11 Feb 2020 11:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.8	20.8	62.2
148	63.7	31.8	95.4





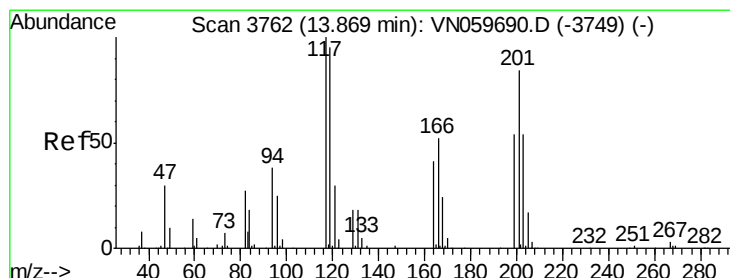
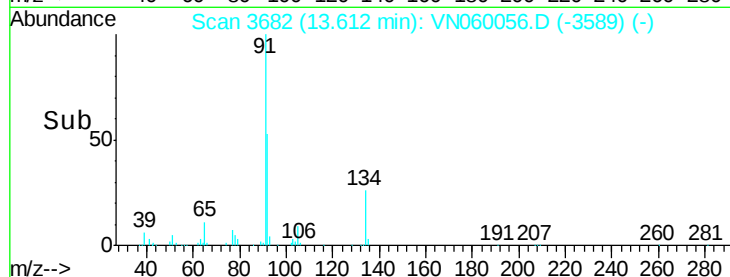
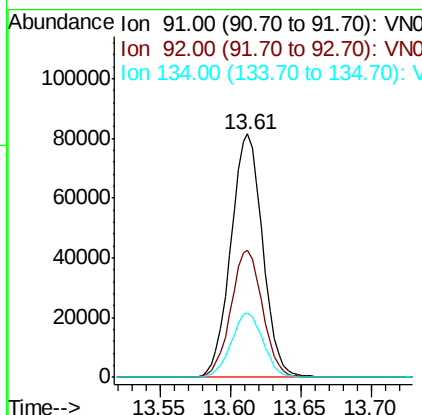
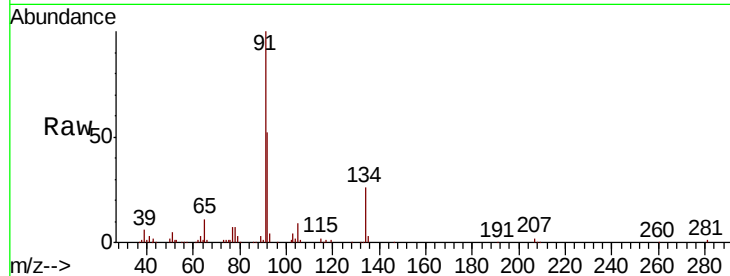
#89
n-Butylbenzene
Concen: 20.221 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN060056.D
Acq: 11 Feb 2020 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN0211WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.9	25.9	77.7
134	26.4	12.3	36.8

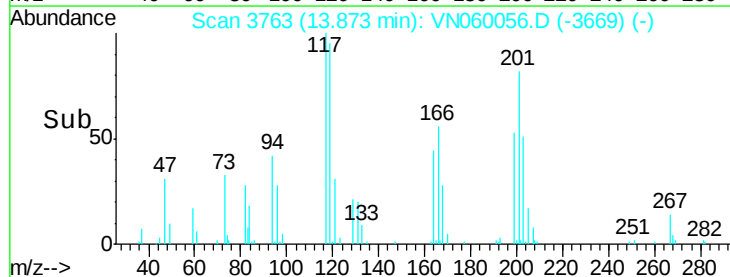
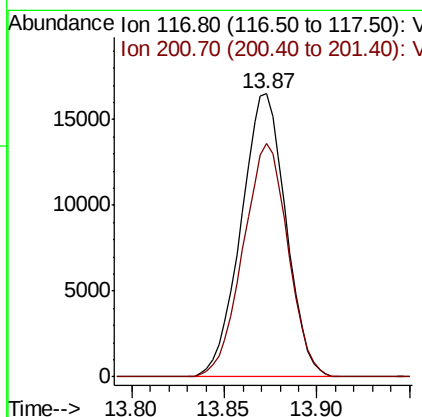
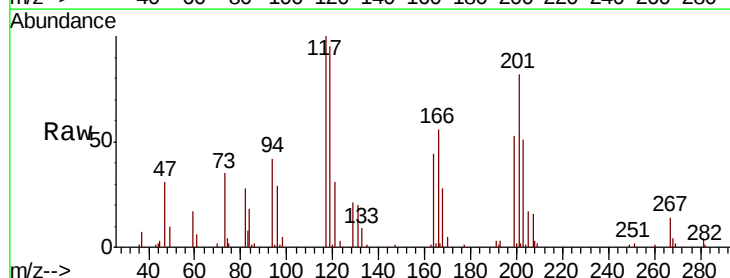
Manual Integrations
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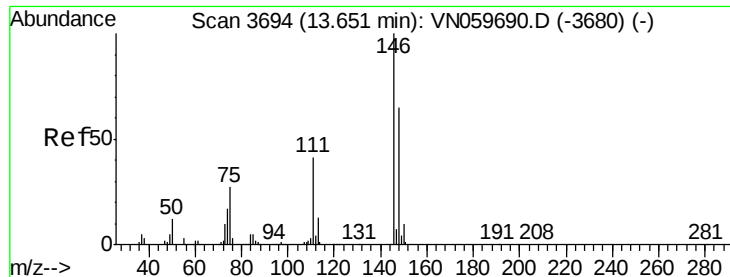
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2/12/2020 3:03:09 PM



#90
Hexachloroethane
Concen: 19.937 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN060056.D
Acq: 11 Feb 2020 11:40

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.4	37.8	113.4





#91

1,2-Dichlorobenzene

Concen: 20.222 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN060056.D

Acq: 11 Feb 2020 11:40

Instrument :

MSVOA_N

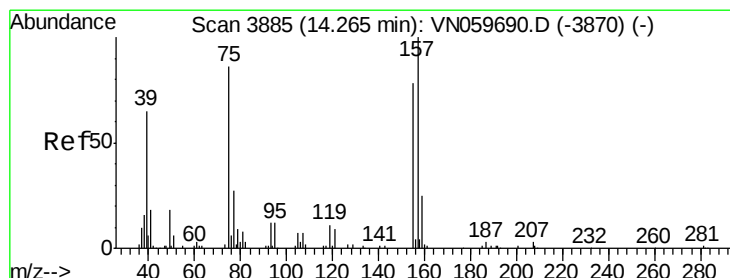
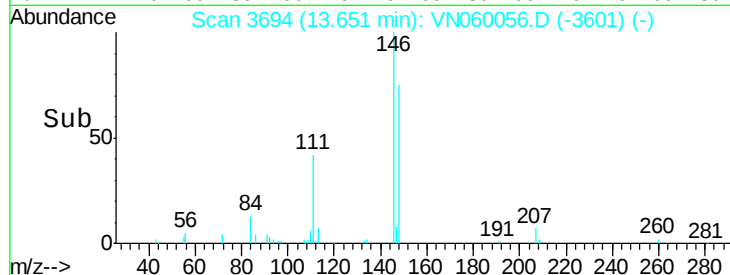
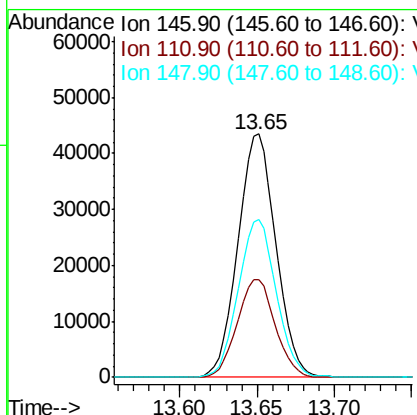
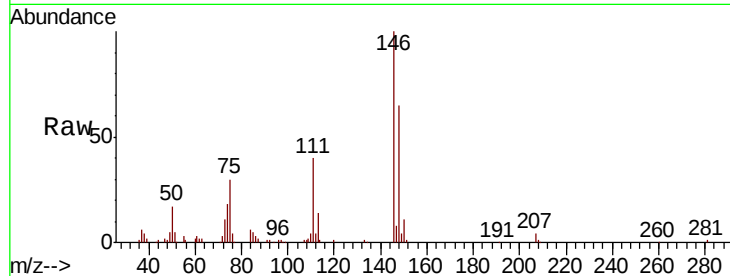
ClientSampleId :

VN0211WBSD01

Tot Ion:	146	Resp:	74264
Ion Ratio	Lower	Upper	
146	100		
111	40.1	21.6	64.8
148	64.8	31.6	95.0

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#92

1,2-Dibromo-3-Chloropropane

Concen: 20.269 ug/l

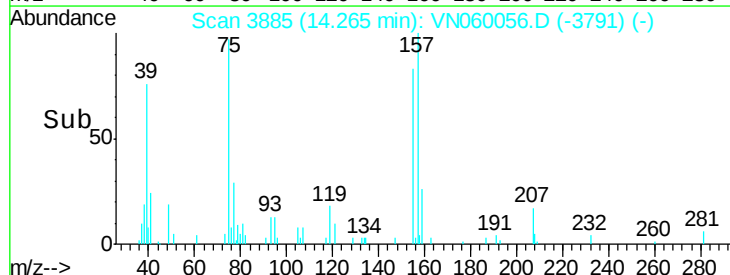
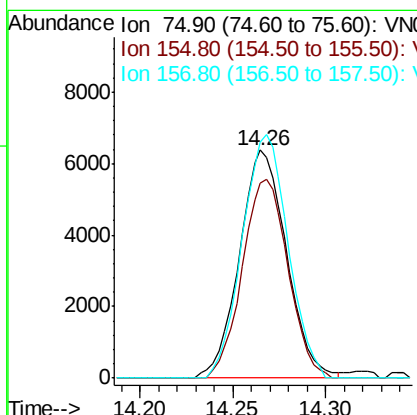
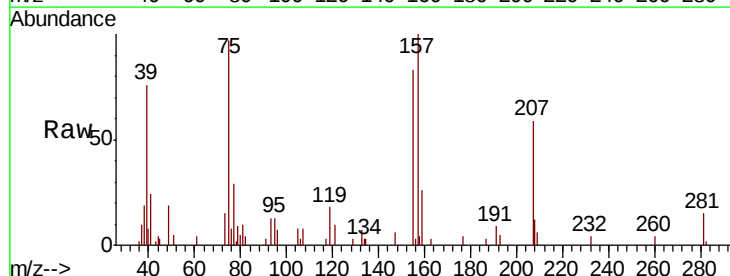
RT: 14.26 min Scan# 3885

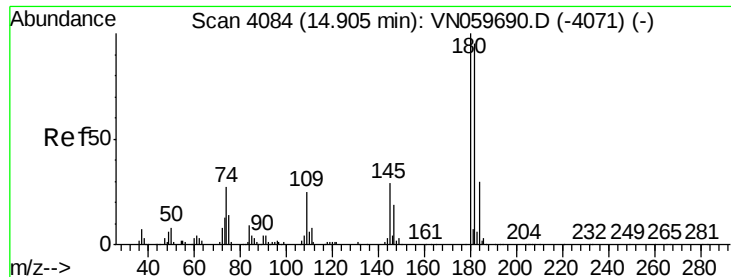
Delta R.T. 0.00 min

Lab File: VN060056.D

Acq: 11 Feb 2020 11:40

Tgt Ion:	75	Resp:	11303
Ion Ratio	Lower	Upper	
75	100		
155	84.4	37.0	110.9
157	103.5	48.4	145.2





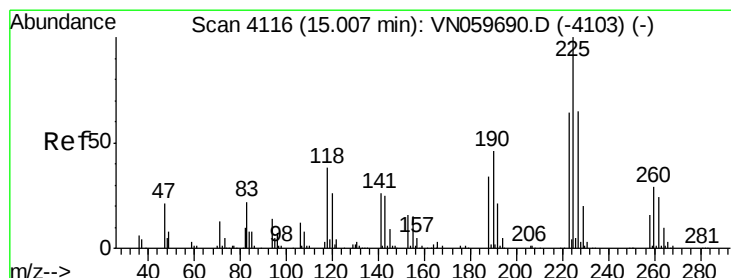
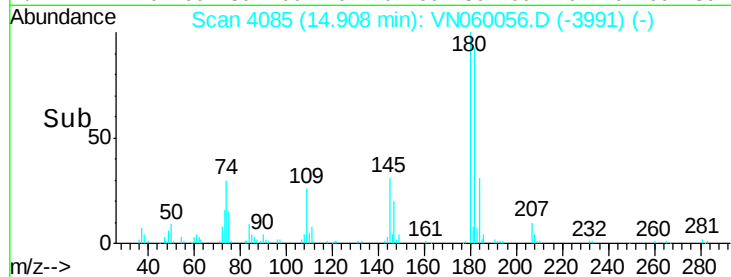
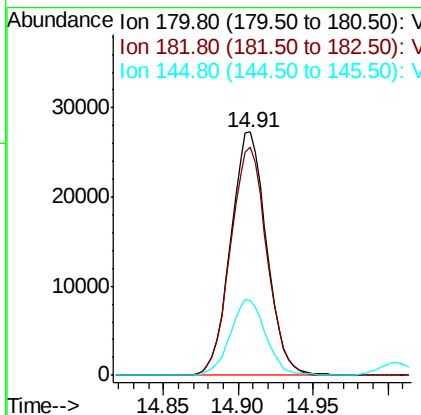
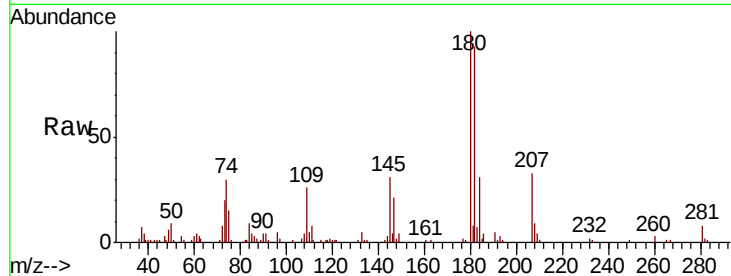
#93
 1,2,4-Trichlorobenzene
 Concen: 20.675 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060056.D
 Acq: 11 Feb 2020 11:40

Instrument :
 MSVOA_N
 ClientSampled :
 VN0211WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	45625		
182	94.6	46.9	140.7	
145	30.7	15.0	45.1	

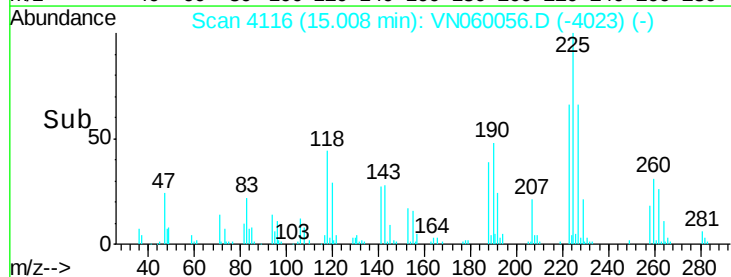
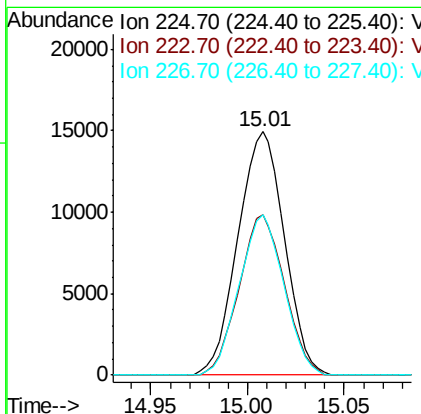
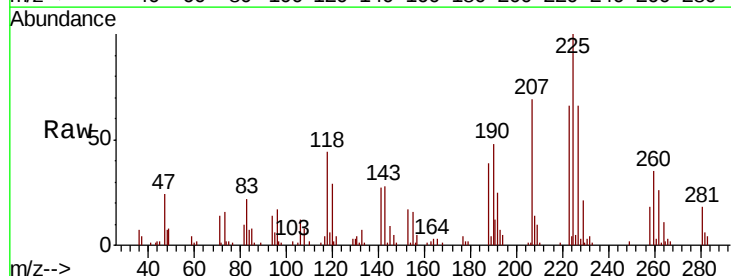
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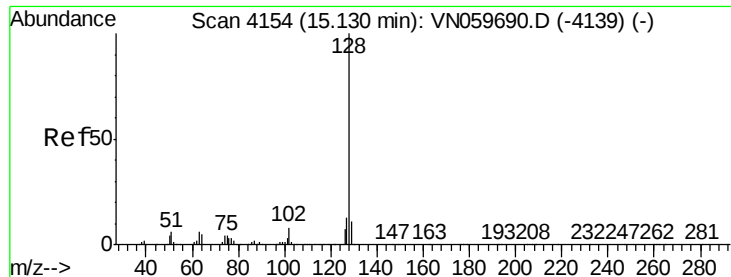
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 2/12/2020 3:03:09 PM



#94
 Hexachlorobutadiene
 Concen: 20.530 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060056.D
 Acq: 11 Feb 2020 11:40

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	24966		
223	64.2	31.8	95.3	
227	63.3	32.1	96.5	





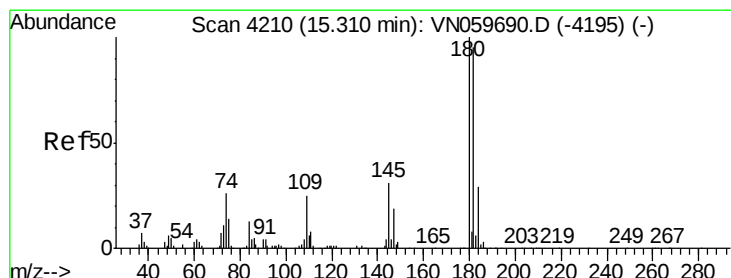
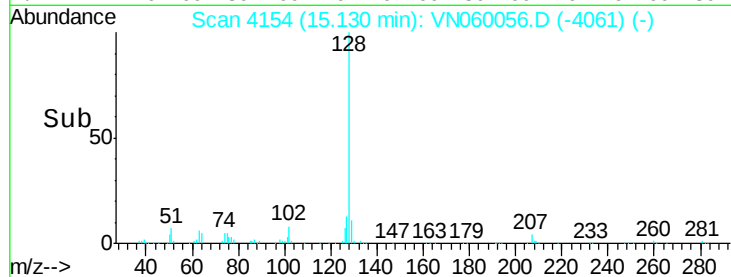
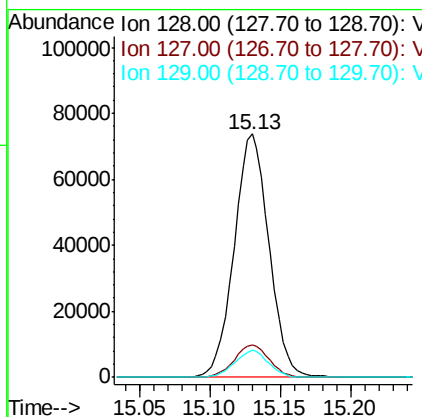
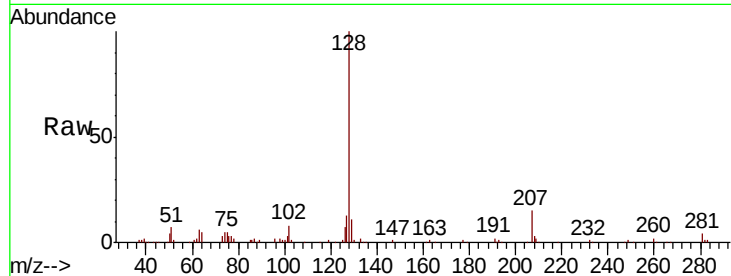
#95
Naphthalene
Concen: 20.336 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060056.D
Acq: 11 Feb 2020 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN0211WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
128	100				
127	13.3		10.4	15.6	
129	10.8		8.6	12.8	

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 21.310 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN060056.D
Acq: 11 Feb 2020 11:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100				
182	94.4		47.4	142.3	
145	32.0		16.3	48.9	

