

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020620\
 Data File : VN060008.D
 Acq On : 6 Feb 2020 11:15
 Operator : JC/MD
 Sample : VN0206WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0206WBS01

Manual Integrations
 APPROVED

MMDadoda
 2/7/2020 1:44:33 PM

Quant Time: Feb 06 17:59:58 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	182606	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	285325	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	260485	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	124562	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	107589	53.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.10%	
35) Dibromofluoromethane	7.56	113	89634	52.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.36%	
50) Toluene-d8	10.08	98	334070	50.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.34%	
62) 4-Bromofluorobenzene	12.40	95	122912	51.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	34787	15.800	ug/l	100
3) Chloromethane	2.04	50	35788	17.118	ug/l	99
4) Vinyl Chloride	2.17	62	45615	19.070	ug/l	96
5) Bromomethane	2.55	94	27623	18.923	ug/l	98
6) Chloroethane	2.69	64	21987	19.429	ug/l	98
7) Trichlorofluoromethane	3.00	101	55814	19.429	ug/l	100
8) Diethyl Ether	3.39	74	20313	20.149	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	3.73	101	33056	20.675	ug/l	94
10) Methyl Iodide	3.93	142	40121	15.525	ug/l	96
11) Tert butyl alcohol	4.73	59	34043	99.721	ug/l	99
12) 1,1-Dichloroethene	3.72	96	30709	18.381	ug/l	91
13) Acrolein	3.58	56	14161	58.599	ug/l	94
14) Allyl chloride	4.29	41	50181	22.284	ug/l	94
15) Acrylonitrile	4.94	53	81710	104.928	ug/l	99
16) Acetone	3.78	43	91721	127.714	ug/l	97
17) Carbon Disulfide	4.03	76	74194	15.590	ug/l	98
18) Methyl Acetate	4.29	43	50780	21.438	ug/l	91
19) Methyl tert-butyl Ether	5.00	73	115420	21.189	ug/l	95
20) Methylene Chloride	4.52	84	36499	19.094	ug/l	91
21) trans-1,2-Dichloroethene	5.01	96	33559	18.897	ug/l	84
22) Diisopropyl ether	5.91	45	108408	21.244	ug/l	90
23) Vinyl Acetate	5.86	43	407703	103.189	ug/l	95
24) 1,1-Dichloroethane	5.82	63	63861	20.481	ug/l	98
25) 2-Butanone	6.80	43	119253	103.845	ug/l	93
26) 2,2-Dichloropropane	6.79	77	62459	20.836	ug/l	96
27) cis-1,2-Dichloroethene	6.80	96	40987	20.066	ug/l	90
28) Bromochloromethane	7.17	49	24086	19.327	ug/l #	77
29) Tetrahydrofuran	7.18	42	70828	99.684	ug/l	90
30) Chloroform	7.35	83	69323	21.457	ug/l	96
31) Cyclohexane	7.63	56	55113	18.369	ug/l #	86
32) 1,1,1-Trichloroethane	7.54	97	62134	20.800	ug/l	96
36) 1,1-Dichloropropene	7.77	75	47437	19.092	ug/l	96
37) Ethyl Acetate	6.89	43	47686	20.462	ug/l	99
38) Carbon Tetrachloride	7.75	117	54467	20.152	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	55855	18.231	ug/l	95
40) Benzene	8.02	78	144177	19.456	ug/l	99
41) Methacrylonitrile	7.15	41	21220m	18.486	ug/l	
42) 1,2-Dichloroethane	8.10	62	53911	21.457	ug/l	97
43) Isopropyl Acetate	8.14	43	80916	20.186	ug/l	96
44) Trichloroethene	8.82	130	41670	20.599	ug/l	100
45) 1,2-Dichloropropane	9.10	63	38579	21.039	ug/l	99
46) Dibromomethane	9.19	93	27161	20.998	ug/l	93
47) Bromodichloromethane	9.39	83	55344	21.232	ug/l	98
48) Methyl methacrylate	9.18	41	34991	19.516	ug/l	92
49) 1,4-Dioxane	9.18	88	14189	432.289	ug/l	92
51) 4-Methyl-2-Pentanone	9.97	43	236975	102.269	ug/l	96
52) Toluene	10.14	92	95558	20.415	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	61199	21.027	ug/l	98
54) cis-1,3-Dichloropropene	9.82	75	64021	20.906	ug/l	94
55) 1,1,2-Trichloroethane	10.55	97	38757	20.906	ug/l	99
56) Ethyl methacrylate	10.42	69	55128	19.462	ug/l	95
57) 1,3-Dichloropropane	10.70	76	63517	21.581	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	90488	106.057	ug/l	94
59) 2-Hexanone	10.74	43	175695	102.922	ug/l	93
60) Dibromochloromethane	10.89	129	44731	21.189	ug/l	99
61) 1,2-Dibromoethane	10.99	107	40586	20.888	ug/l	97
64) Tetrachloroethene	10.62	164	42148	19.853	ug/l	97
65) Chlorobenzene	11.43	112	103611	20.237	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	41562	21.009	ug/l	99
67) Ethyl Benzene	11.50	91	185986	20.011	ug/l	98
68) m/p-Xylenes	11.62	106	139388	39.702	ug/l	95
69) o-Xylene	11.94	106	67663	19.686	ug/l	96
70) Styrene	11.96	104	108172	18.808	ug/l	97
71) Bromoform	12.12	173	32370	20.427	ug/l #	96
73) Isopropylbenzene	12.25	105	185432	20.298	ug/l	100
74) N-amyl acetate	12.07	43	67989	19.180	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	54845	20.709	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	47773m	22.790	ug/l	
77) Bromobenzene	12.52	156	46016	19.891	ug/l	85
78) n-propylbenzene	12.59	91	205211	20.014	ug/l	98
79) 2-Chlorotoluene	12.67	91	124272	20.373	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	152955	19.909	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	19281	19.752	ug/l	97
82) 4-Chlorotoluene	12.77	91	125845	20.569	ug/l	97
83) tert-Butylbenzene	12.99	119	135882	20.450	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	153994	20.260	ug/l	99
85) sec-Butylbenzene	13.17	105	177669	20.351	ug/l	100
86) p-Isopropyltoluene	13.29	119	159802	19.783	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	82380	20.500	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	81064	20.221	ug/l	98
89) n-Butylbenzene	13.61	91	138453	20.102	ug/l	99
90) Hexachloroethane	13.87	117	30558	20.219	ug/l	94
91) 1,2-Dichlorobenzene	13.65	146	81425	20.496	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	11492	18.919	ug/l	90

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ClientSampleId :
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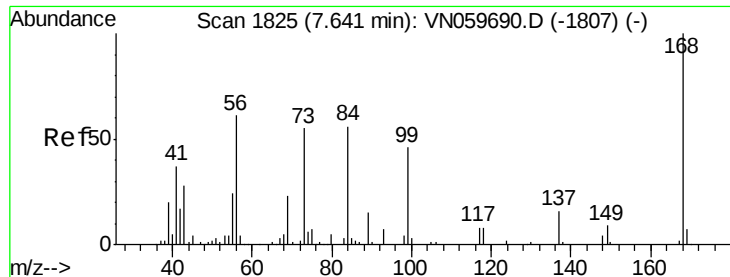
Manual Integrations
APPROVED

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2/7/2020 1:44:33 PM

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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	47155	19.754	ug/l	100
94) Hexachlorobutadiene	15.01	225	26749	20.334	ug/l	99
95) Naphthalene	15.13	128	127332	18.753	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	47752	20.551	ug/l	97

(#) = 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: VN060008.D

Acq: 6 Feb 2020 11:15

Instrument :

MSVOA_N

ClientSampleId :

VN0206WBS01

Tot Ion:168 Resp: 182606

Ion Ratio Lower Upper

168 100

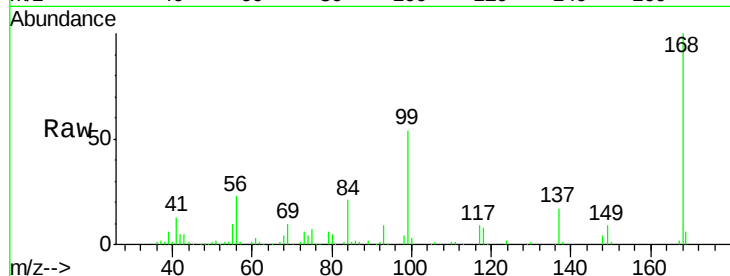
99 53.5 48.2 72.4

Manual Integrations

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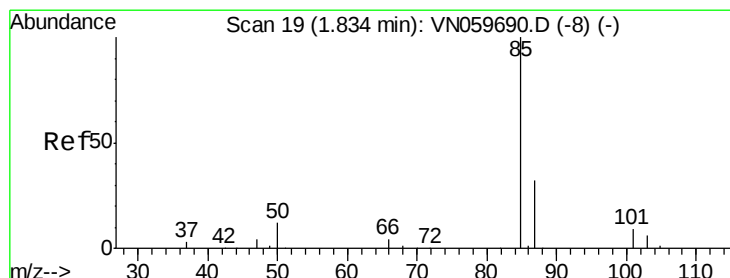
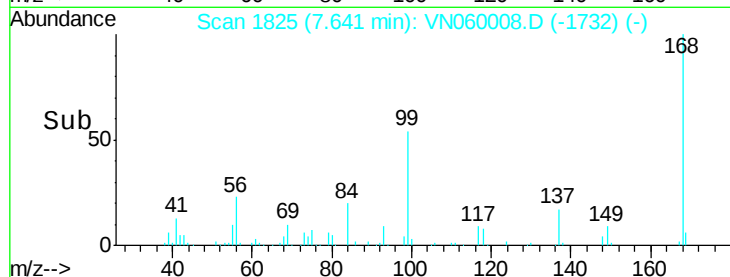
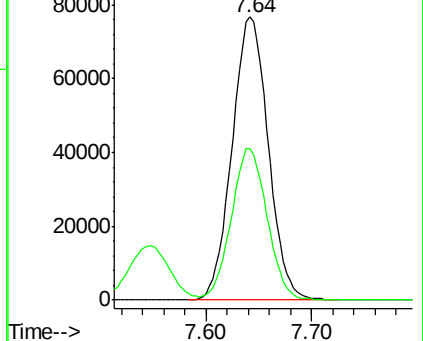
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 15.800 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060008.D

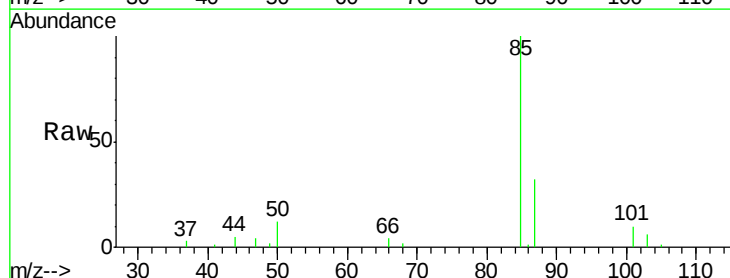
Acq: 6 Feb 2020 11:15

Tgt Ion: 85 Resp: 34787

Ion Ratio Lower Upper

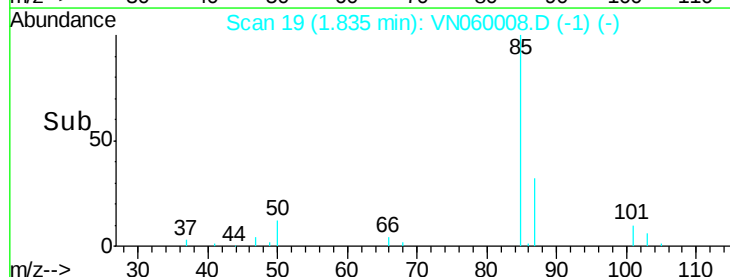
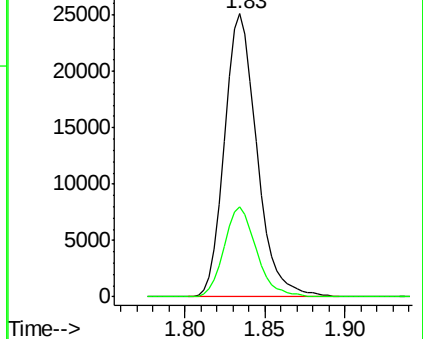
85 100

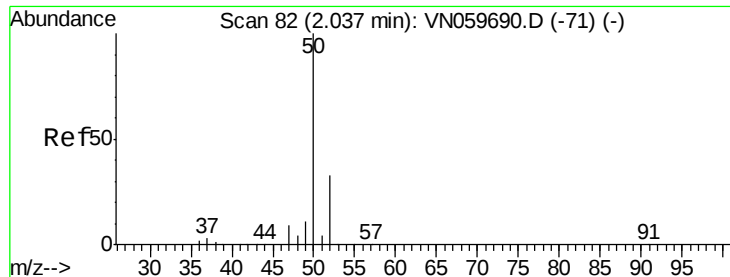
87 31.7 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 17.118 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060008.D

Acq: 6 Feb 2020 11:15

Instrument :

MSVOA_N

ClientSampleId :

VN0206WBS01

Tot Ion: 50 Resp: 35788

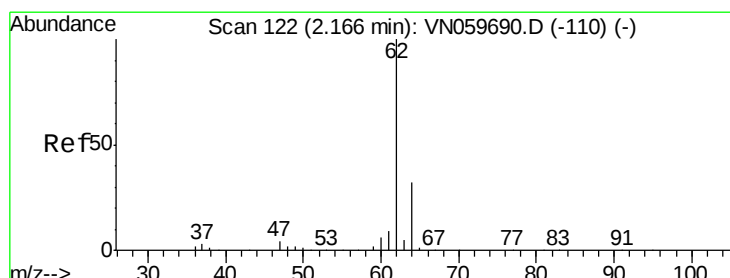
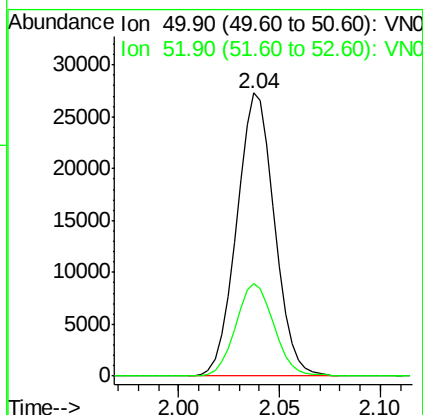
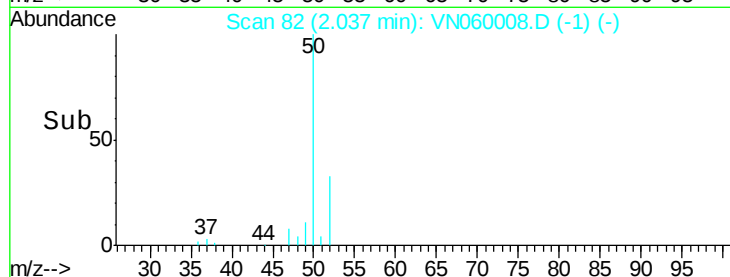
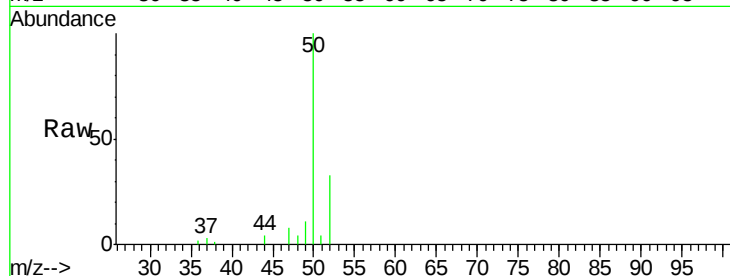
Ion Ratio Lower Upper

50 100

52 32.7 25.9 38.9

Manual Integrations
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#4

Vinyl Chloride

Concen: 19.070 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN060008.D

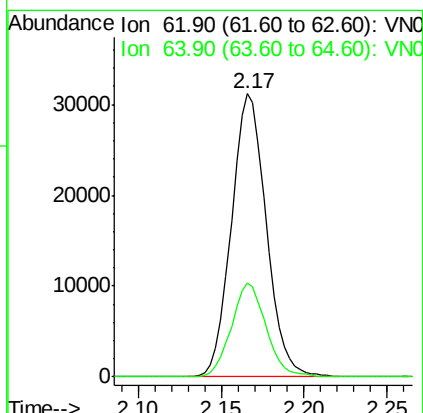
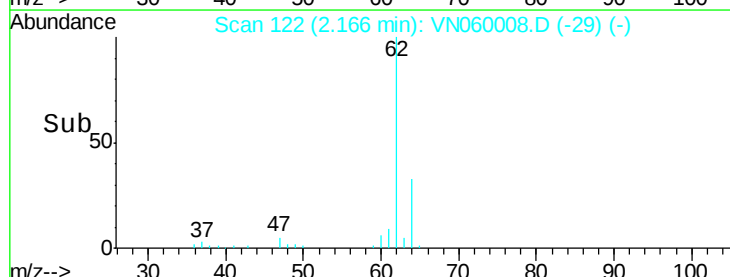
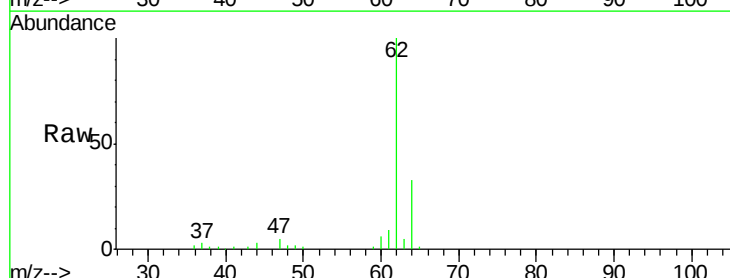
Acq: 6 Feb 2020 11:15

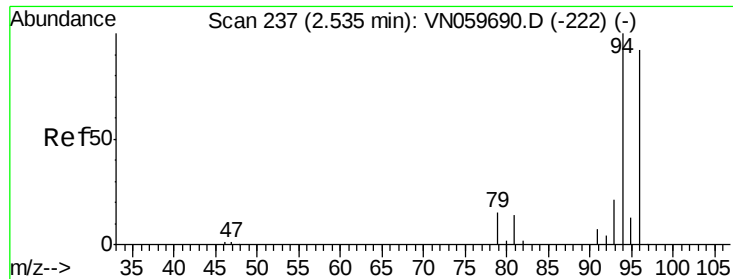
Tgt Ion: 62 Resp: 45615

Ion Ratio Lower Upper

62 100

64 33.3 24.6 37.0





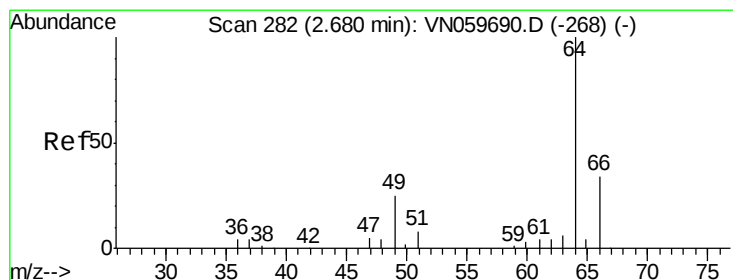
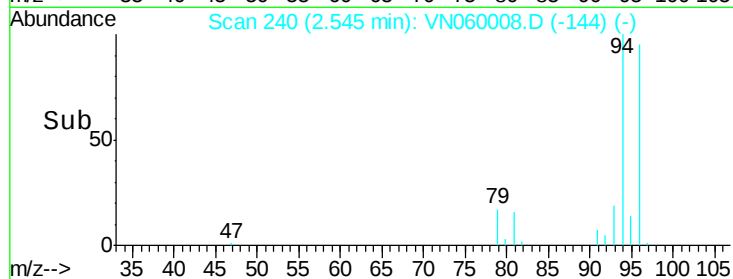
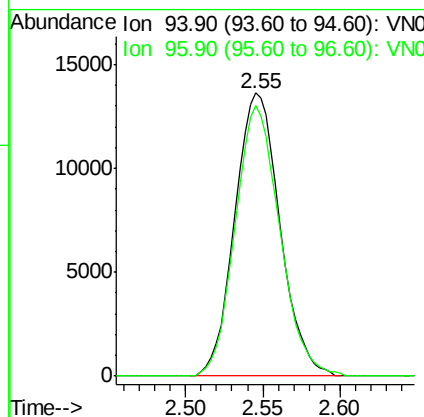
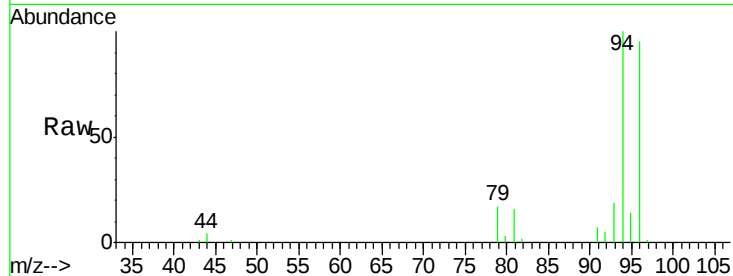
#5
Bromomethane
Concen: 18.923 ug/l
RT: 2.55 min Scan# 240
Delta R.T. 0.01 min
Lab File: VN060008.D
Acq: 6 Feb 2020 11:15

Instrument :
MSVOA_N
ClientSampleId :
VN0206WBS01

Tot Ion: 94 Resp: 27623
Ion Ratio Lower Upper
94 100
96 95.4 74.7 112.1

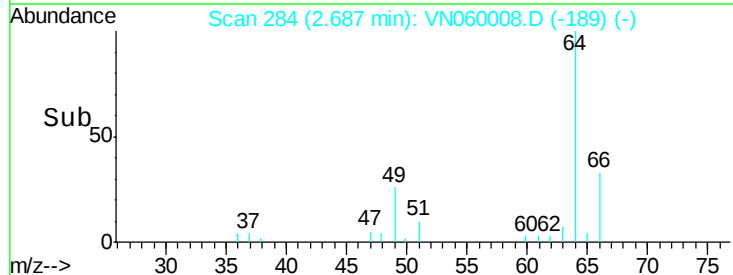
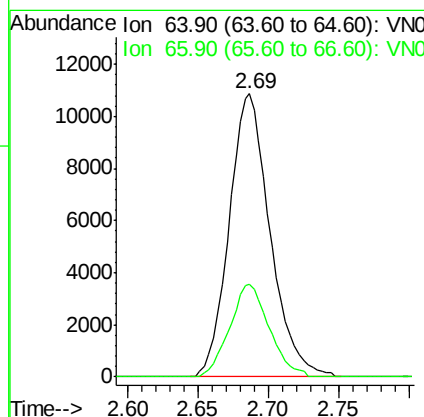
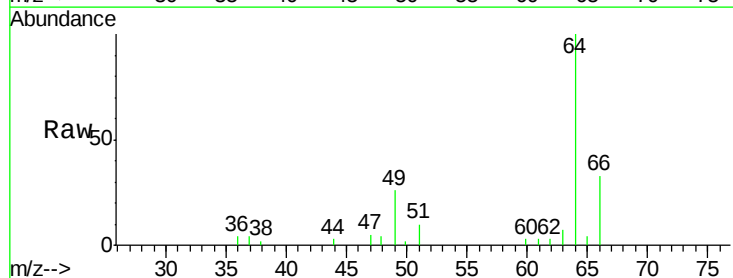
Manual Integrations
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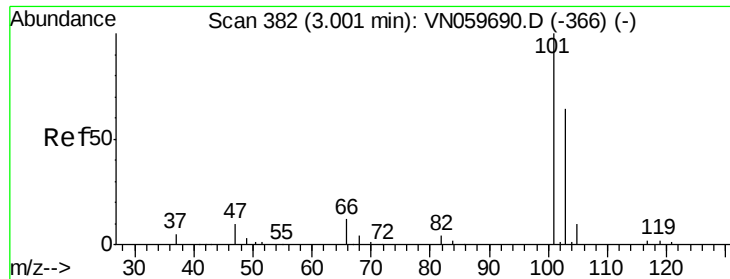
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#6
Chloroethane
Concen: 19.429 ug/l
RT: 2.69 min Scan# 284
Delta R.T. 0.01 min
Lab File: VN060008.D
Acq: 6 Feb 2020 11:15

Tgt Ion: 64 Resp: 21987
Ion Ratio Lower Upper
64 100
66 32.5 25.1 37.7





#7

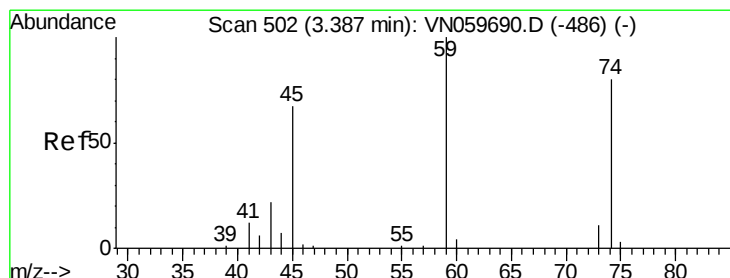
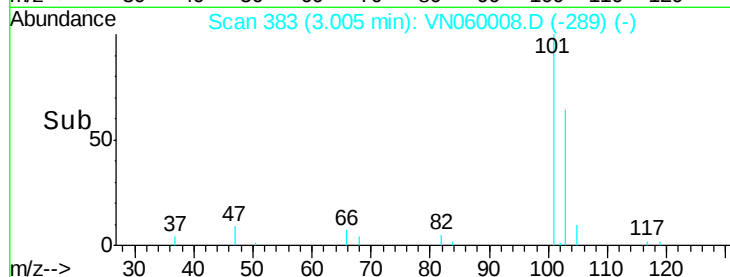
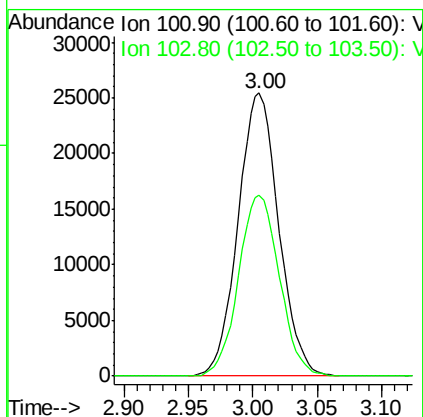
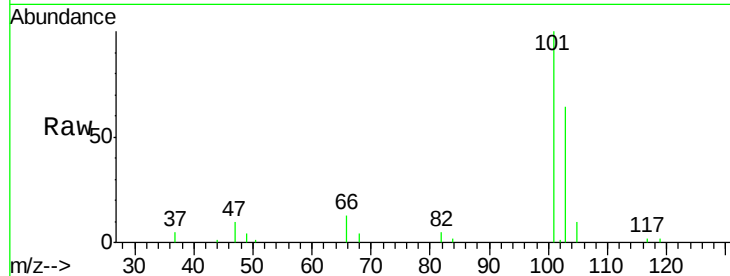
Trichlorofluoromethane
 Concen: 19.429 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. 0.00 min
 Lab File: VN060008.D
 Acq: 6 Feb 2020 11:15

Instrument :
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 VN0206WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.1	51.0	76.6

Manual Integrations
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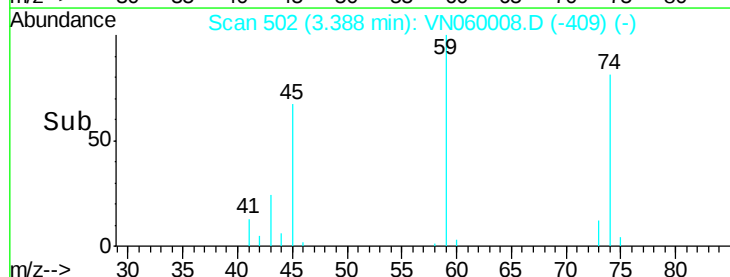
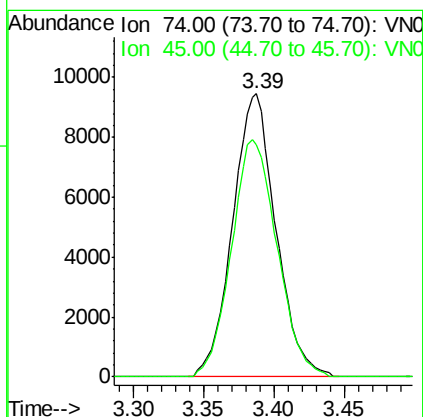
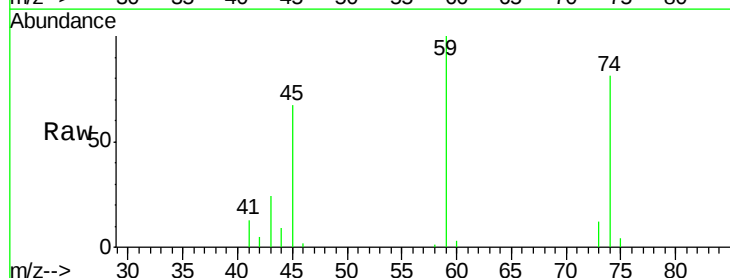
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 2/7/2020 1:44:33 PM

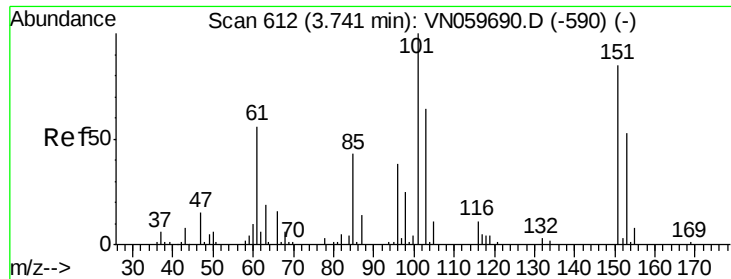


#8

Diethyl Ether
 Concen: 20.149 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. 0.00 min
 Lab File: VN060008.D
 Acq: 6 Feb 2020 11:15

Tgt Ion	Ratio	Lower	Upper
74	100		
45	88.2	51.9	155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.675 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.01 min

Lab File: VN060008.D

Acq: 6 Feb 2020 11:15

Instrument :

MSVOA_N

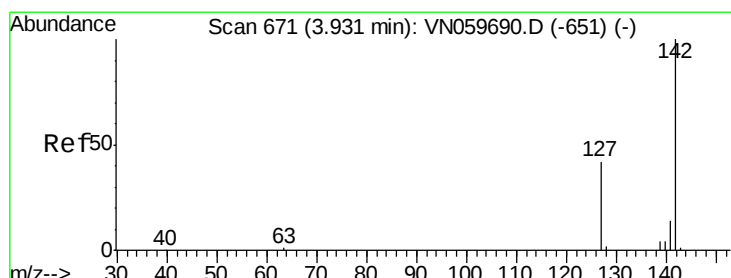
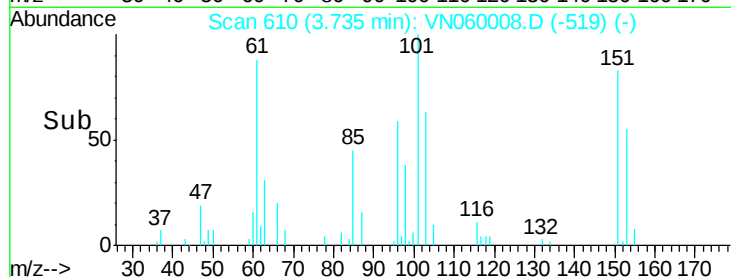
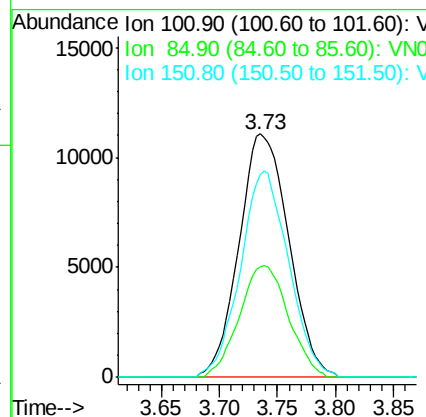
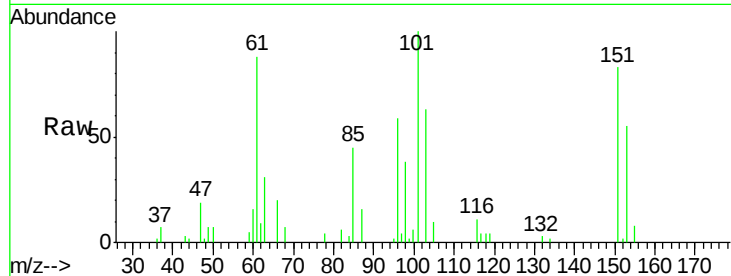
ClientSampleId :

VN0206WBS01

Tot Ion:	101	Resp:	33056
Ion Ratio	Lower	Upper	
101	100		
85	45.1	36.6	54.8
151	82.0	59.7	89.5

Manual Integrations
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MMDadoda
2/7/2020 1:44:33 PM



#10

Methyl Iodide

Concen: 15.525 ug/l

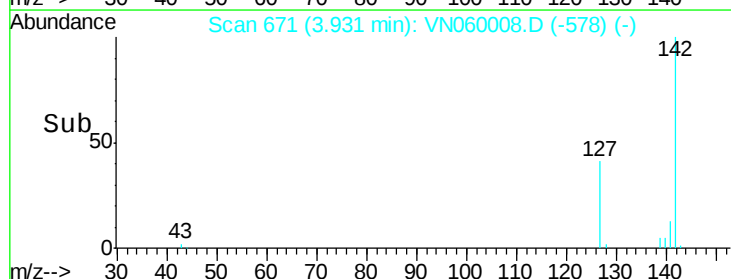
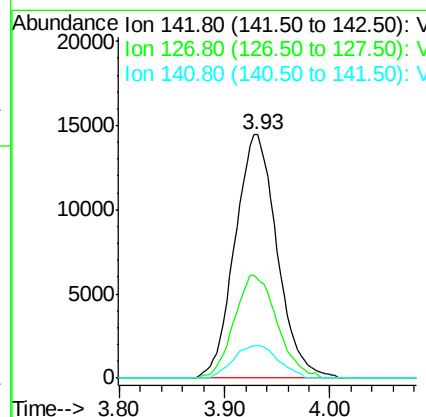
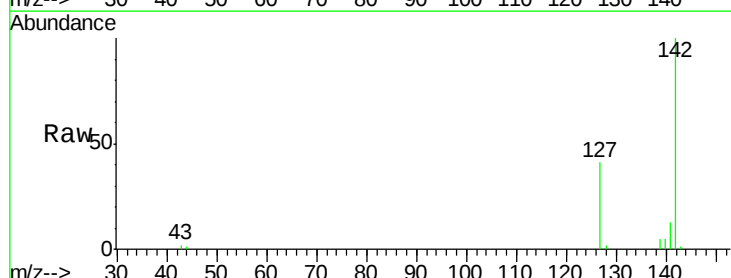
RT: 3.93 min Scan# 671

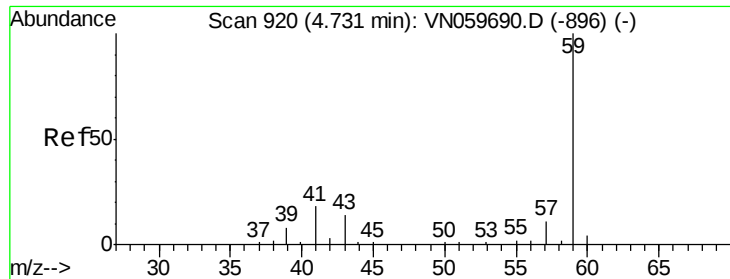
Delta R.T. 0.00 min

Lab File: VN060008.D

Acq: 6 Feb 2020 11:15

Tgt Ion:	142	Resp:	40121
Ion Ratio	Lower	Upper	
142	100		
127	43.0	36.7	55.1
141	14.1	11.7	17.5





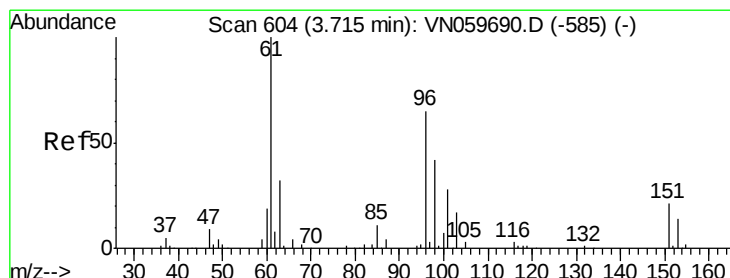
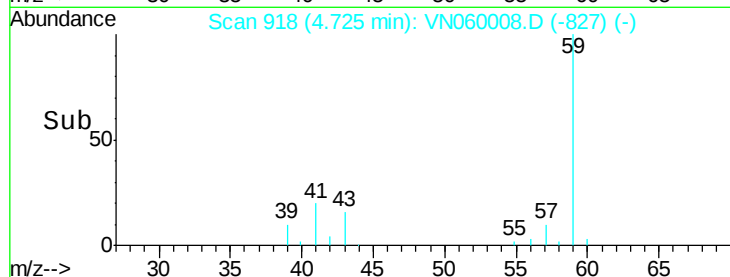
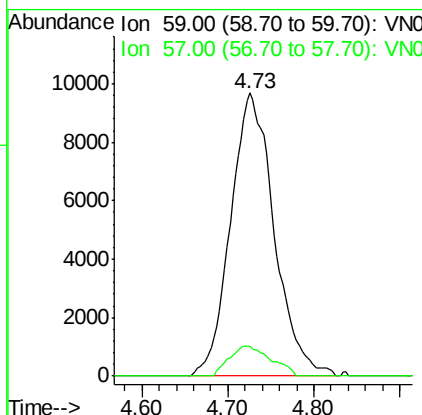
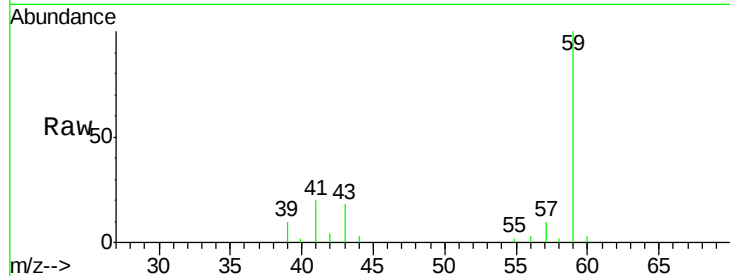
#11
Tert butyl alcohol
Concen: 99.721 ug/l
RT: 4.73 min Scan# 918
Delta R.T. -0.01 min
Lab File: VN060008.D
Acq: 6 Feb 2020 11:15

Instrument :
MSVOA_N
ClientSampleId :
VN0206WBS01

Tot Ion: 59 Resp: 34043
Ion Ratio Lower Upper
59 100
57 10.2 8.6 12.8

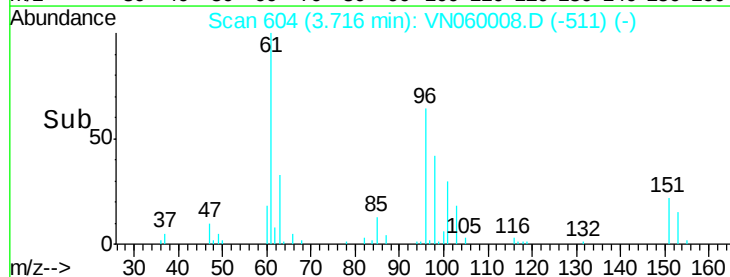
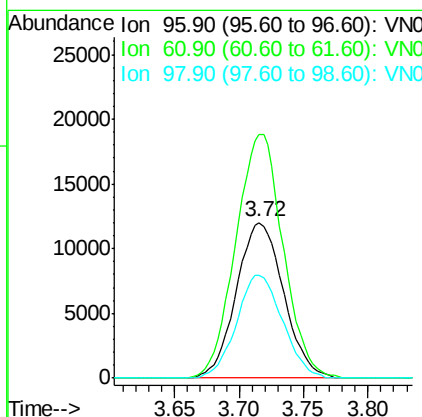
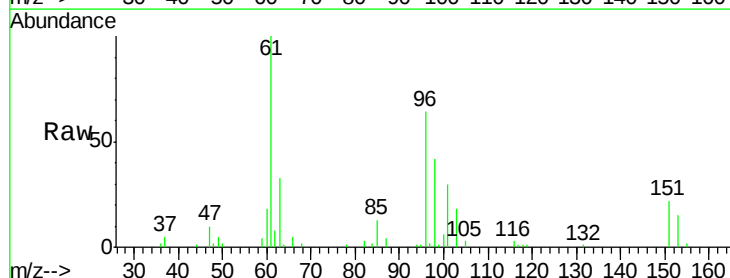
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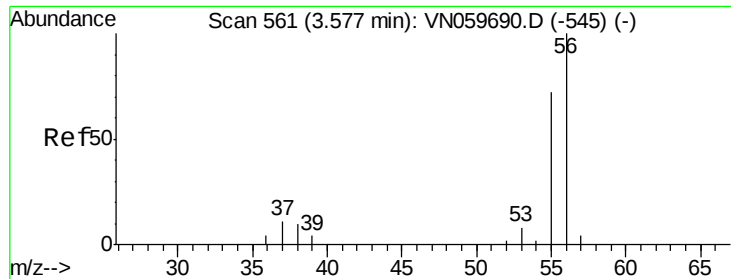
MMDadoda
2/7/2020 1:44:33 PM



#12
1,1-Dichloroethene
Concen: 18.381 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN060008.D
Acq: 6 Feb 2020 11:15

Tgt Ion: 96 Resp: 30709
Ion Ratio Lower Upper
96 100
61 156.8 137.5 206.3
98 66.0 50.2 75.4





#13

Acrolein

Concen: 58.599 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VN060008.D

Acq: 6 Feb 2020 11:15

Instrument :

MSVOA_N

ClientSampleId :

VN0206WBS01

Tot Ion: 56 Resp: 14161

Ion Ratio Lower Upper

56 100

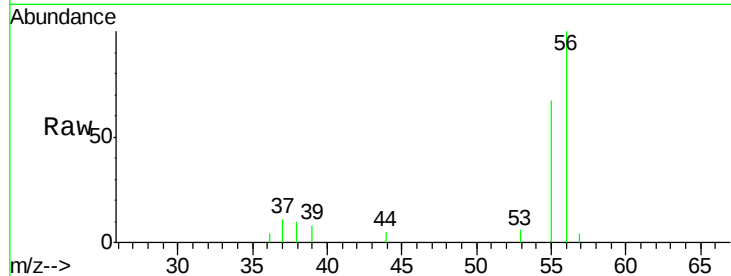
55 68.0 58.6 88.0

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.58

6000

5000

4000

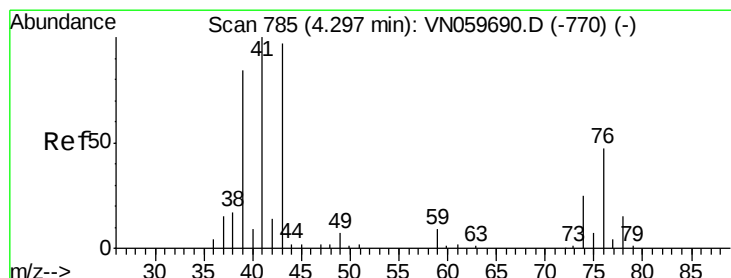
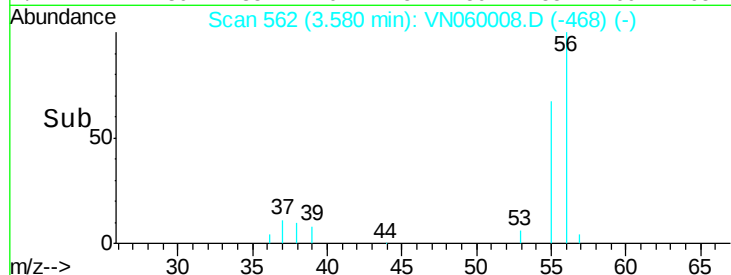
3000

2000

1000

0

Time-->



#14

Allyl chloride

Concen: 22.284 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN060008.D

Acq: 6 Feb 2020 11:15

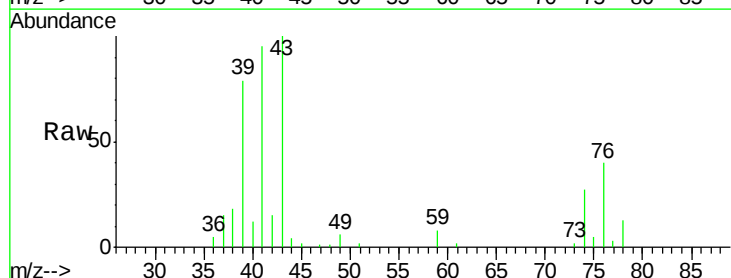
Tgt Ion: 41 Resp: 50181

Ion Ratio Lower Upper

41 100

39 75.5 57.8 86.8

76 37.5 25.4 38.0



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

4.29

20000

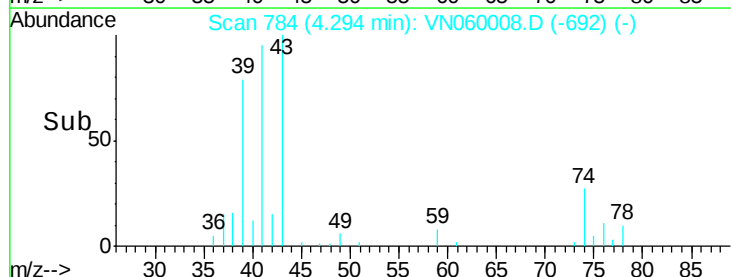
15000

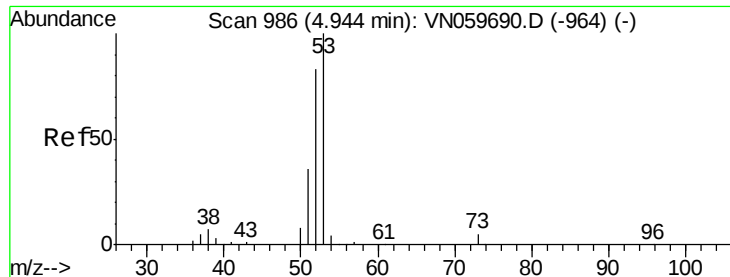
10000

5000

0

Time-->





#15

Acrylonitrile

Concen: 104.928 ug/l

RT: 4.94 min Scan# 986

Delta R.T. 0.00 min

Lab File: VN060008.D

Acq: 6 Feb 2020 11:15

Instrument :

MSVOA_N

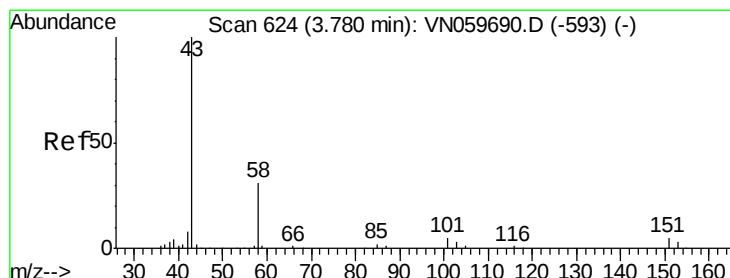
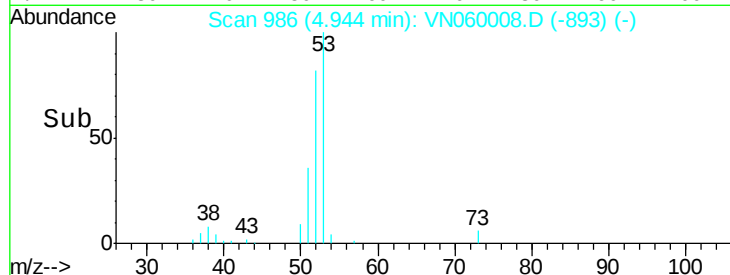
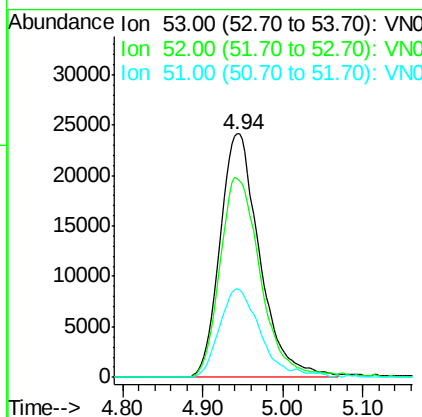
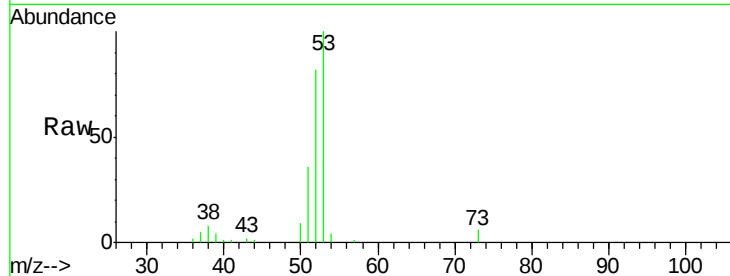
ClientSampleId :

VN0206WBS01

Tot Ion:	53	Resp:	81710
Ion	Ratio	Lower	Upper
53	100		
52	83.2	66.3	99.5
51	36.2	29.7	44.5

Manual Integrations
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#16

Acetone

Concen: 127.714 ug/l

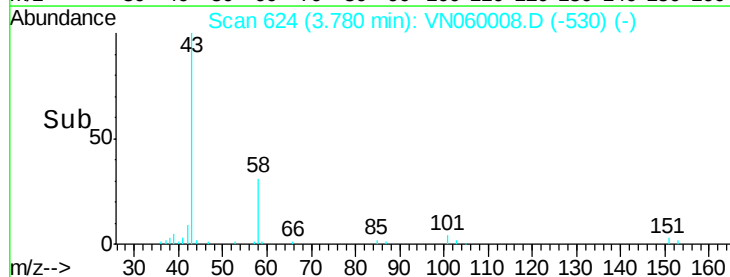
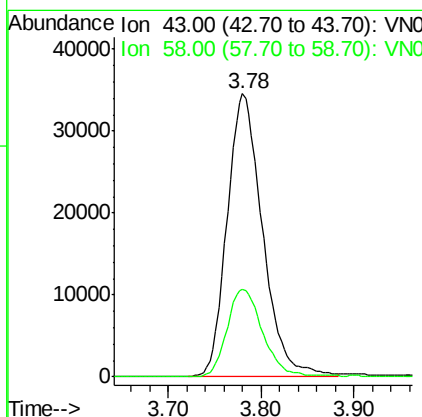
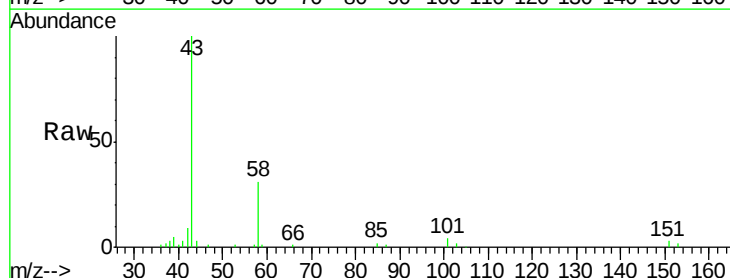
RT: 3.78 min Scan# 624

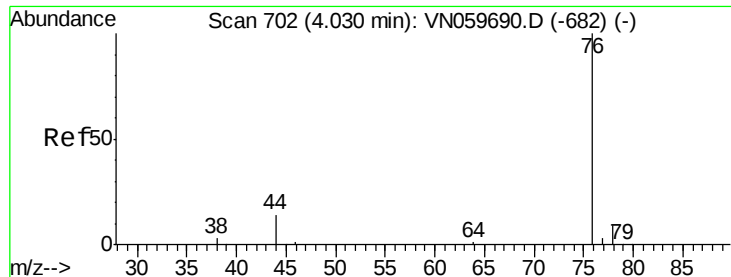
Delta R.T. 0.00 min

Lab File: VN060008.D

Acq: 6 Feb 2020 11:15

Tgt Ion:	43	Resp:	91721
Ion	Ratio	Lower	Upper
43	100		
58	31.2	23.6	35.4





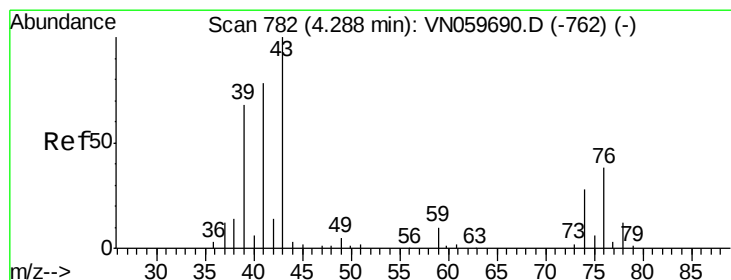
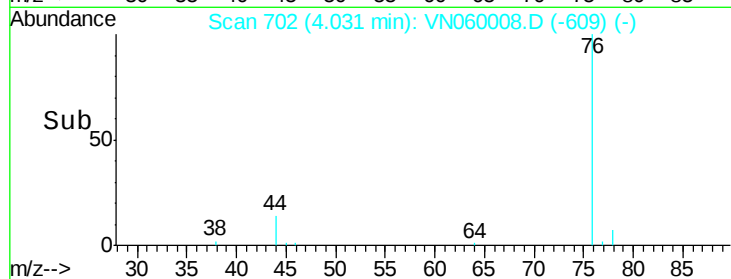
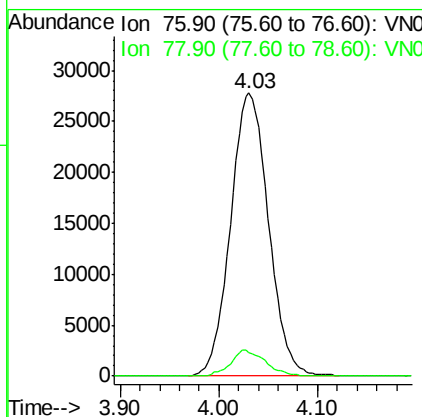
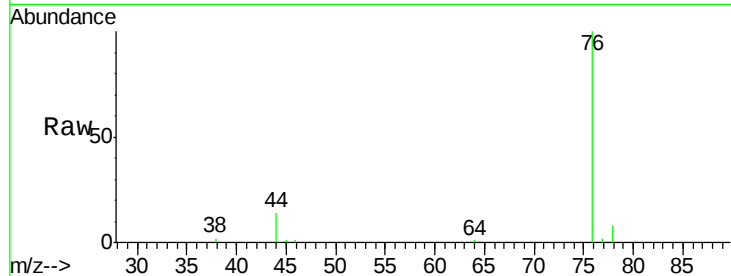
#17
Carbon Disulfide
Concen: 15.590 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN060008.D
Acq: 6 Feb 2020 11:15

Instrument :
MSVOA_N
ClientSampleId :
VN0206WBS01

Tot Ion: 76 Resp: 74194
Ion Ratio Lower Upper
76 100
78 8.5 7.4 11.0

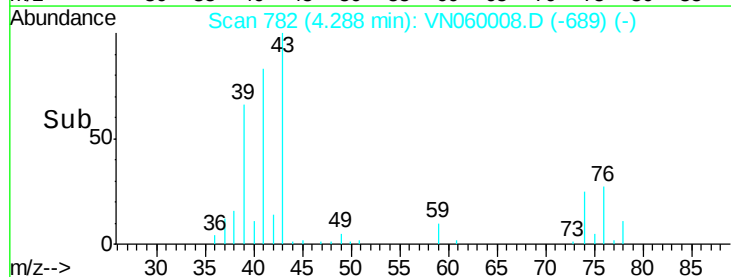
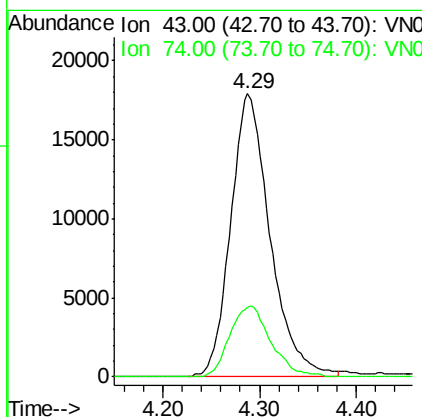
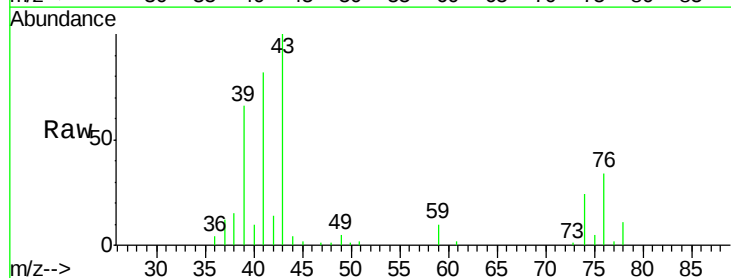
Manual Integrations
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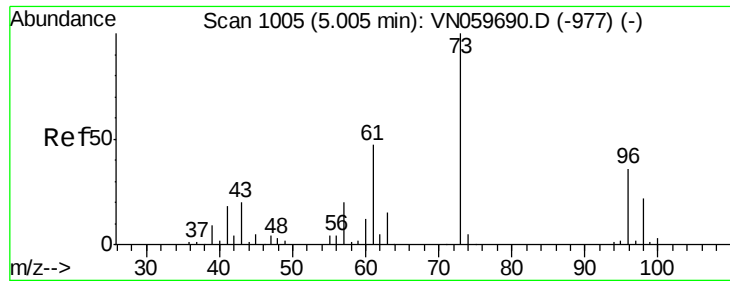
MMDadoda
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#18
Methyl Acetate
Concen: 21.438 ug/l
RT: 4.29 min Scan# 782
Delta R.T. 0.00 min
Lab File: VN060008.D
Acq: 6 Feb 2020 11:15

Tgt Ion: 43 Resp: 50780
Ion Ratio Lower Upper
43 100
74 26.0 17.5 26.3





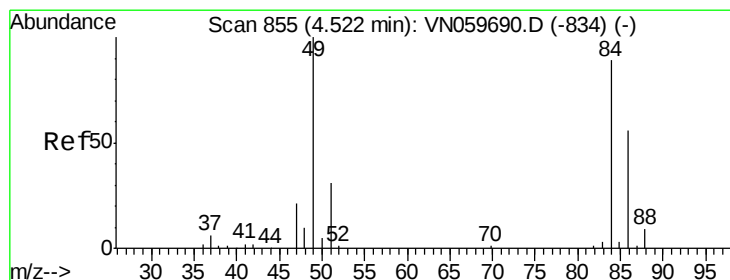
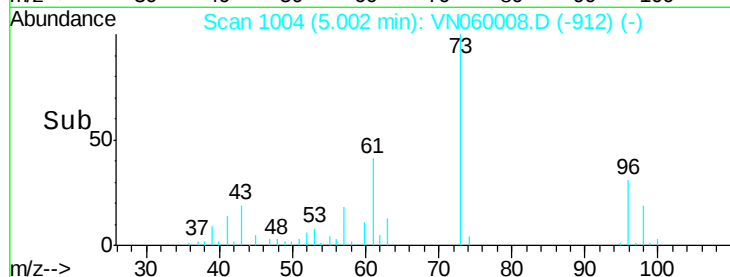
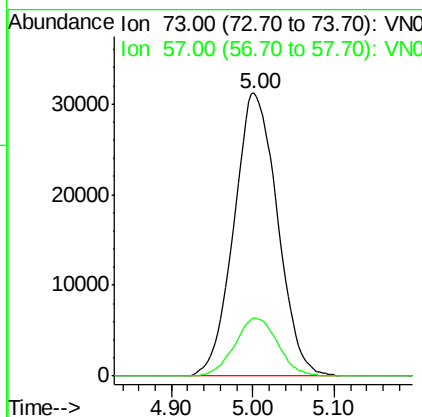
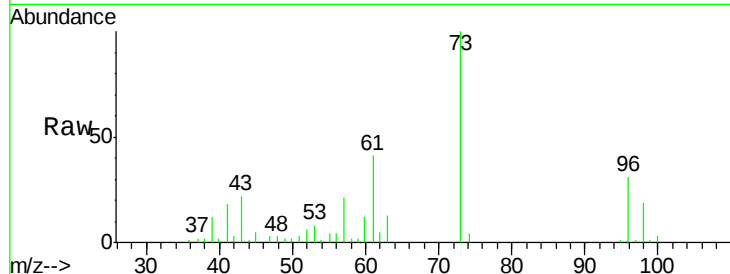
#19
Methvl tert-butvl Ether
Concen: 21.189 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN060008.D
Acq: 6 Feb 2020 11:15

Instrument :
MSVOA_N
ClientSampleId :
VN0206WBS01

Tot Ion: 73 Resp: 115420
Ion Ratio Lower Upper
73 100
57 20.7 18.6 27.8

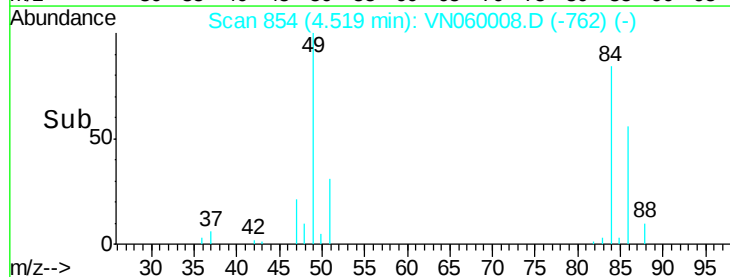
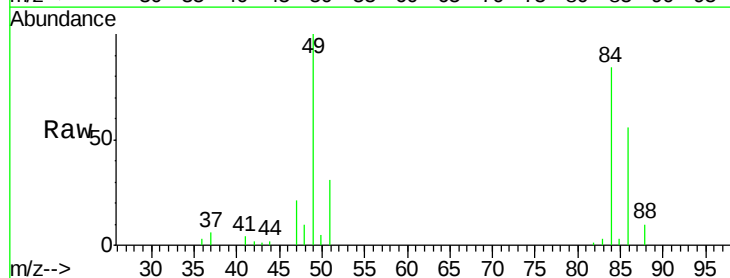
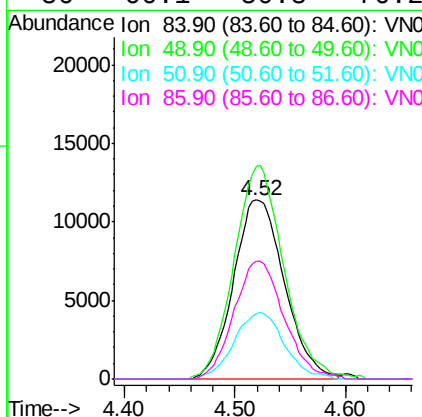
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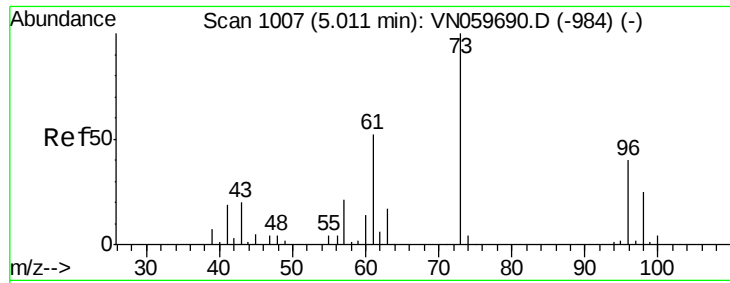
MMDadoda
2/7/2020 1:44:33 PM



#20
Methylene Chloride
Concen: 19.094 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060008.D
Acq: 6 Feb 2020 11:15

Tgt Ion: 84 Resp: 36499
Ion Ratio Lower Upper
84 100
49 118.7 106.6 160.0
51 36.4 31.9 47.9
86 66.1 50.8 76.2





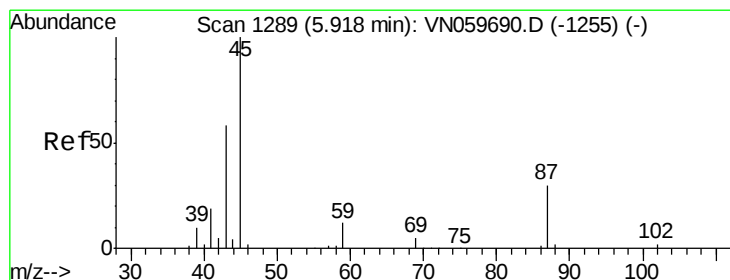
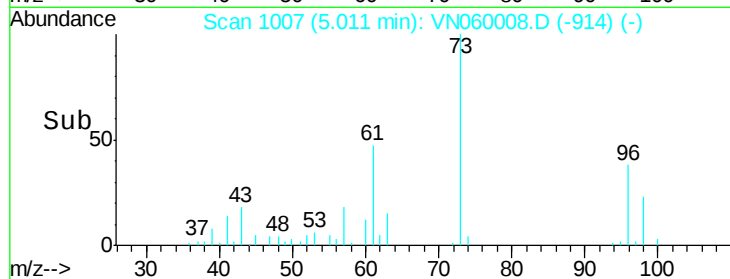
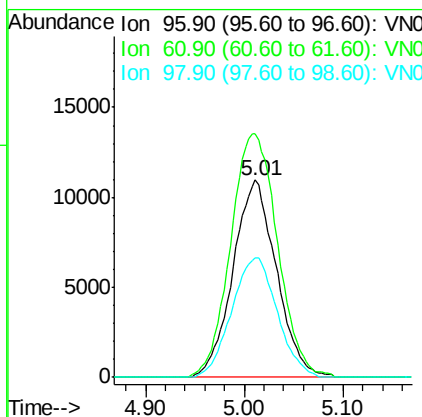
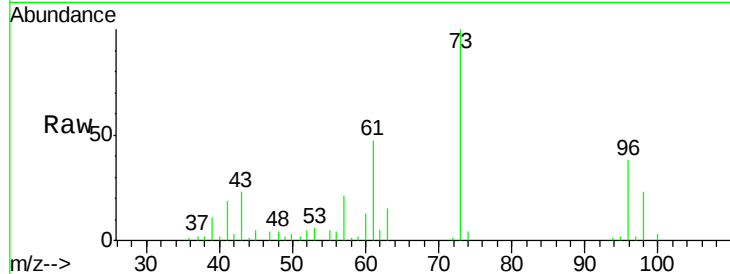
#21
trans-1,2-Dichloroethene
Concen: 18.897 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. 0.00 min
Lab File: VN060008.D
Acq: 6 Feb 2020 11:15

Instrument :
MSVOA_N
ClientSampleId :
VN0206WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	123.4	120.4	180.6
98	60.5	50.6	75.8

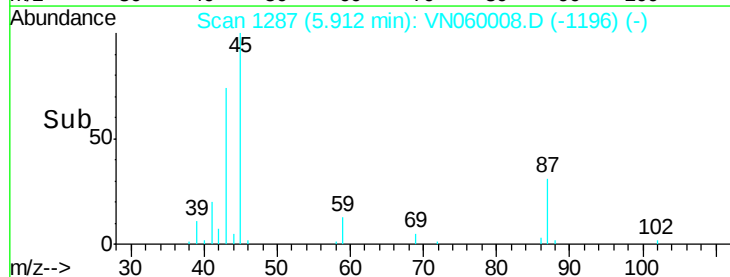
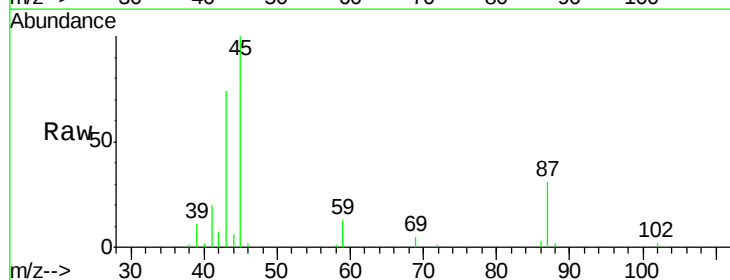
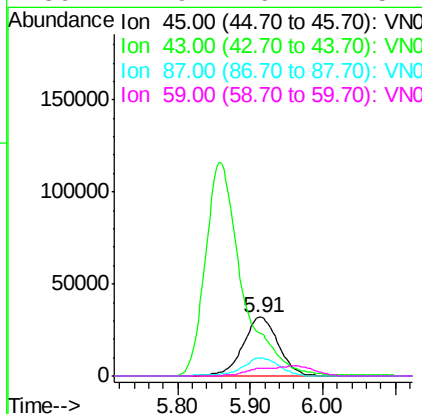
Manual Integrations
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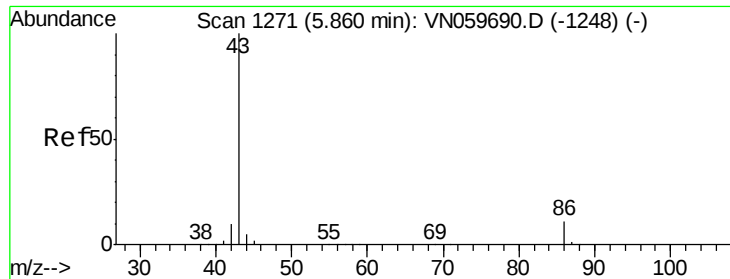
MMDadoda
2/7/2020 1:44:33 PM



#22
Diisopropyl ether
Concen: 21.244 ug/l
RT: 5.91 min Scan# 1287
Delta R.T. -0.01 min
Lab File: VN060008.D
Acq: 6 Feb 2020 11:15

Tgt Ion	Ratio	Lower	Upper
45	100		
43	72.4	50.8	76.2
87	31.2	21.0	31.6
59	12.9	9.1	13.7





#23

Vinyl Acetate

Concen: 103.189 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN060008.D

Acq: 6 Feb 2020 11:15

Instrument :

MSVOA_N

ClientSampled :

VN0206WBS01

Tot Ion: 43 Resp: 407703

Ion Ratio Lower Upper

43 100

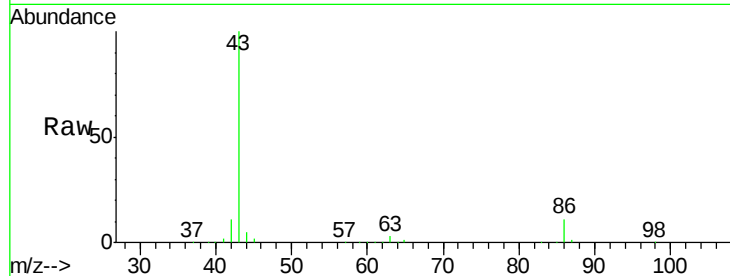
86 11.2 7.6 11.4

Manual Integrations

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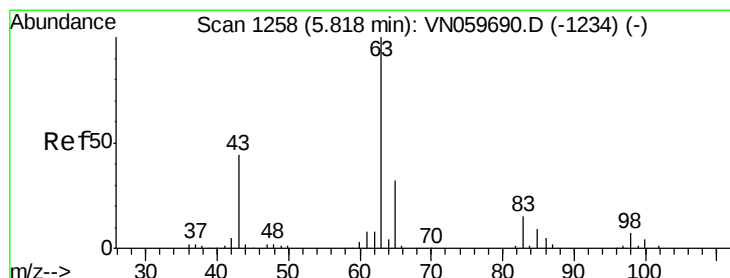
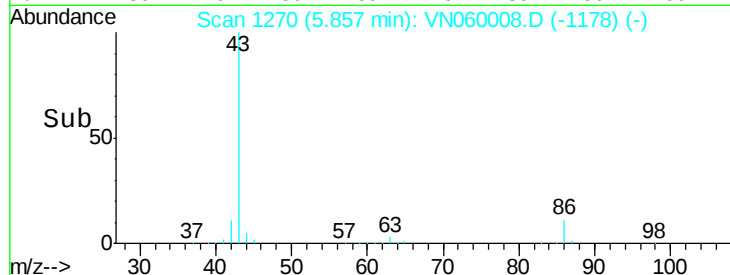
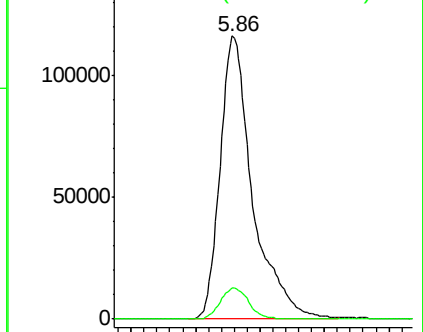
MMDadoda

2/7/2020 1:44:33 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 20.481 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN060008.D

Acq: 6 Feb 2020 11:15

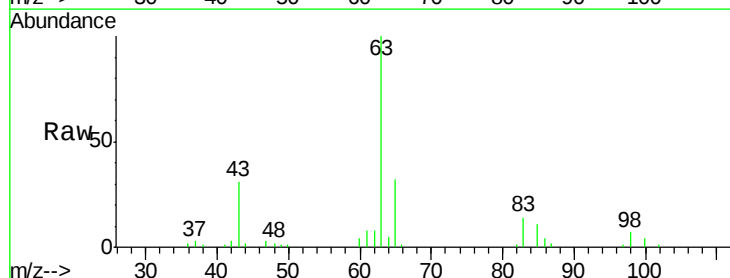
Tgt Ion: 63 Resp: 63861

Ion Ratio Lower Upper

63 100

98 6.6 2.9 8.7

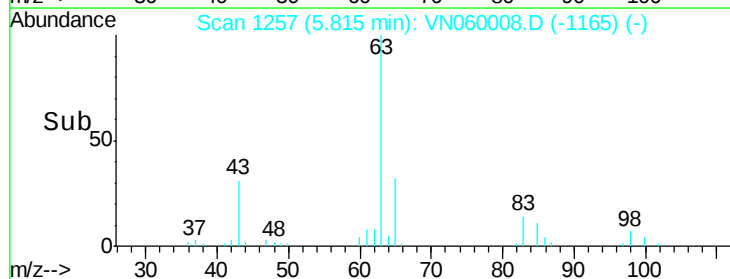
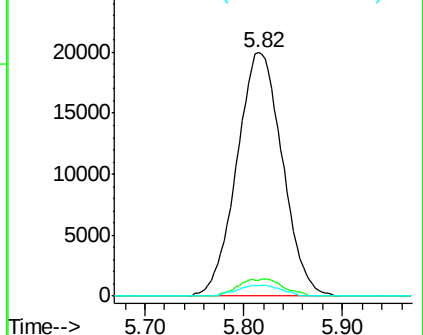
100 4.3 2.0 6.0

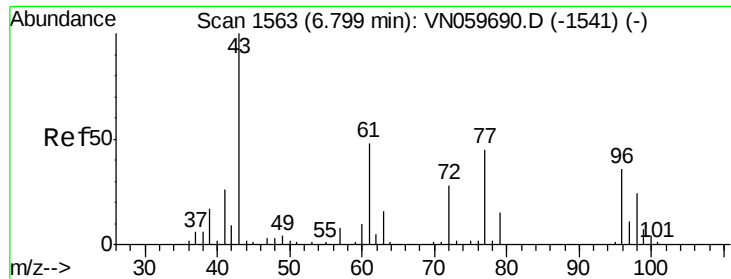


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 103.845 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060008.D

Acq: 6 Feb 2020 11:15

Instrument :

MSVOA_N

ClientSampleId :

VN0206WBS01

Tot Ion: 43 Resp: 119253

Ion Ratio Lower Upper

43 100

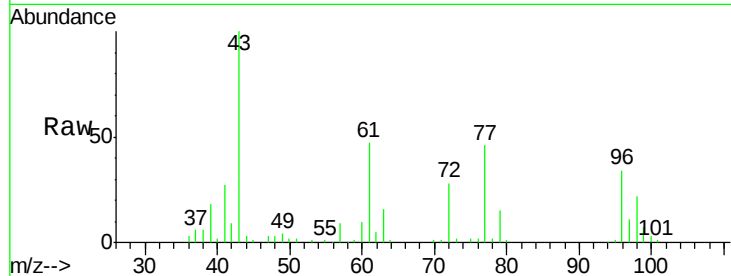
72 28.4 19.9 29.9

Manual Integrations

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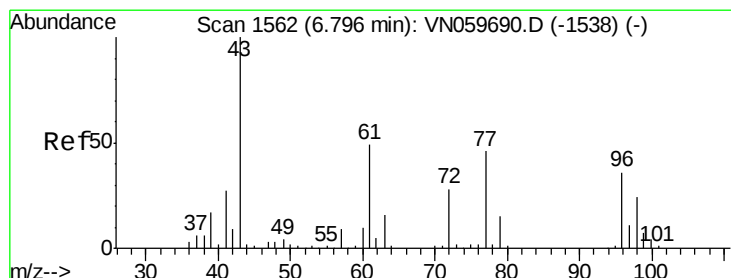
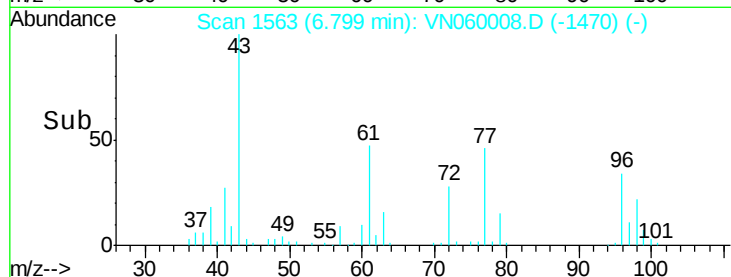
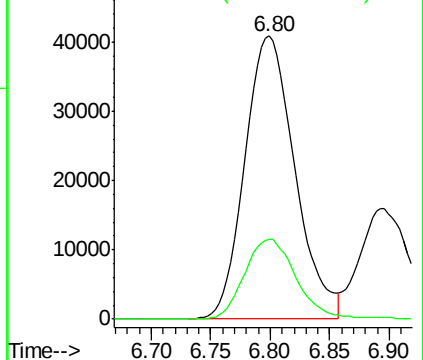
MMDadoda

2/7/2020 1:44:33 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 20.836 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN060008.D

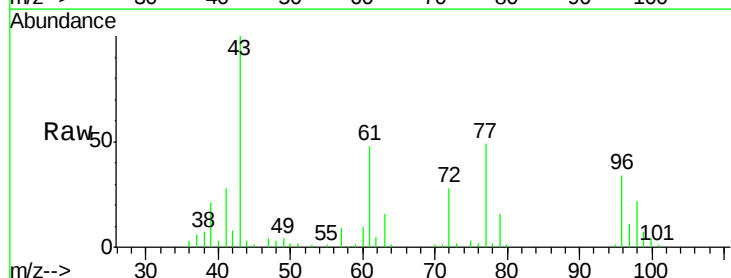
Acq: 6 Feb 2020 11:15

Tgt Ion: 77 Resp: 62459

Ion Ratio Lower Upper

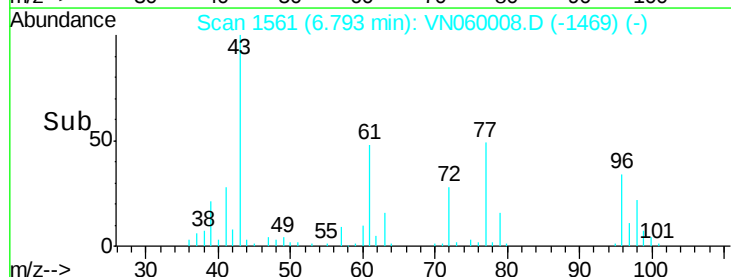
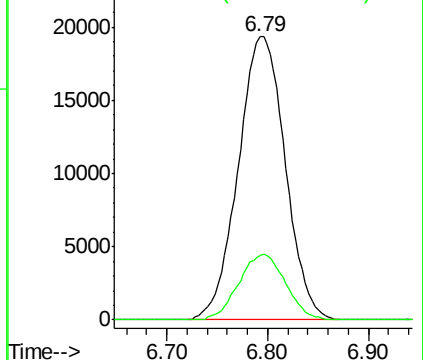
77 100

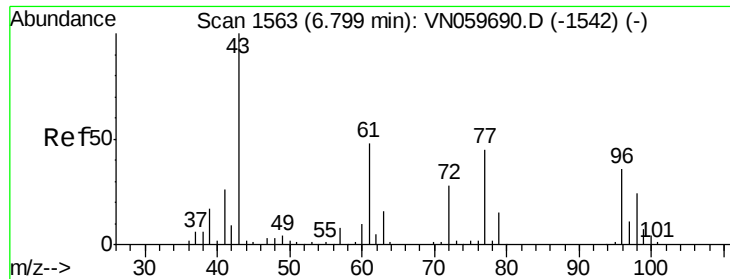
97 23.0 10.7 31.9



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





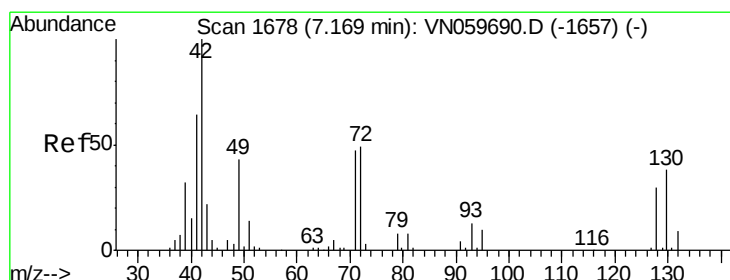
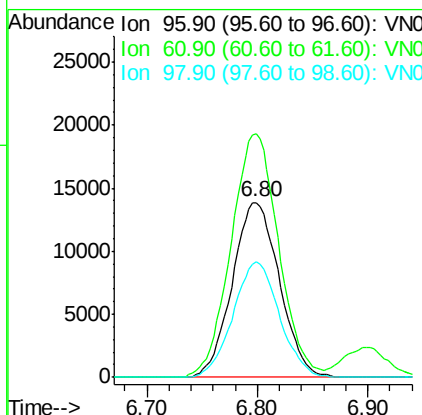
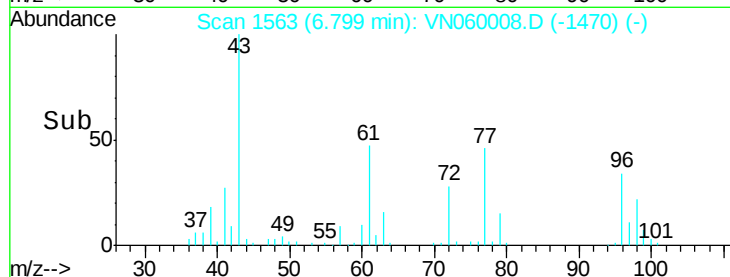
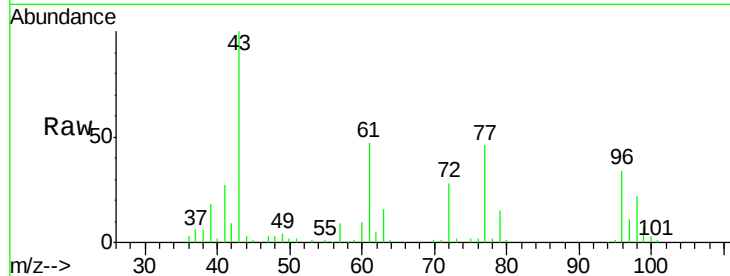
#27
 cis-1,2-Dichloroethene
 Concen: 20.066 ug/l
 RT: 6.80 min Scan# 1563
 Delta R.T. 0.00 min
 Lab File: VN060008.D
 Acq: 6 Feb 2020 11:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0206WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.7	0.0	317.6
98	65.0	0.0	127.0

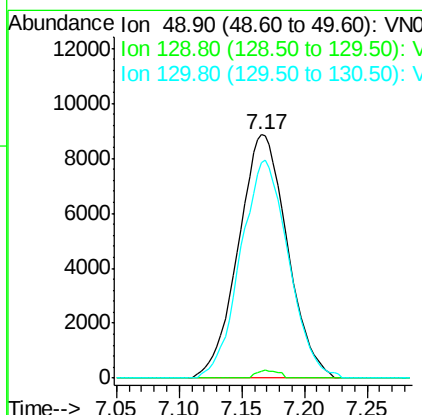
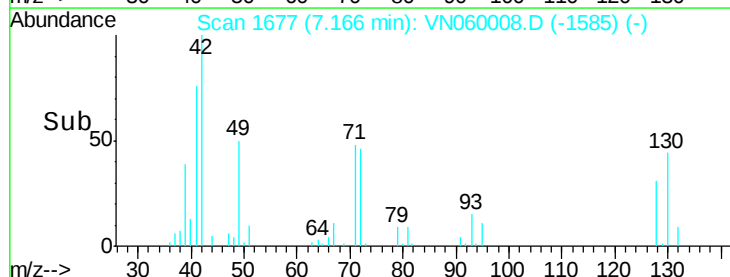
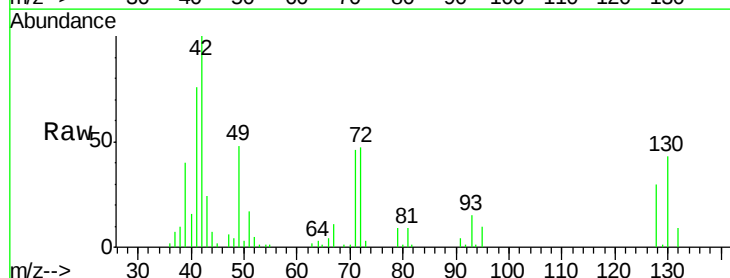
Manual Integrations
 APPROVED

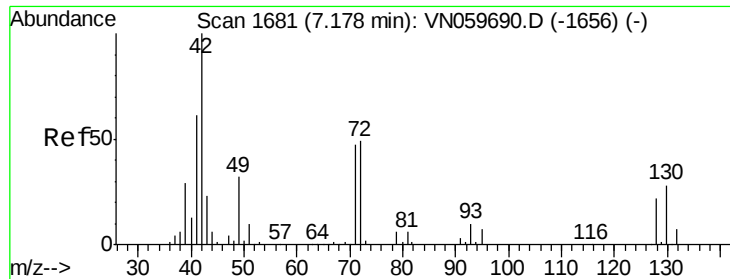
MMDadoda
 2/7/2020 1:44:33 PM



#28
 Bromochloromethane
 Concen: 19.327 ug/l
 RT: 7.17 min Scan# 1677
 Delta R.T. -0.00 min
 Lab File: VN060008.D
 Acq: 6 Feb 2020 11:15

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	3.4
130	87.8	54.7	82.1#





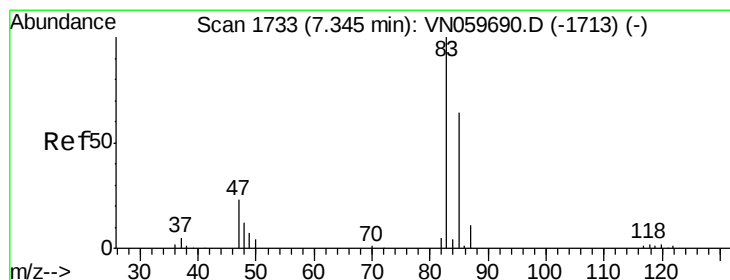
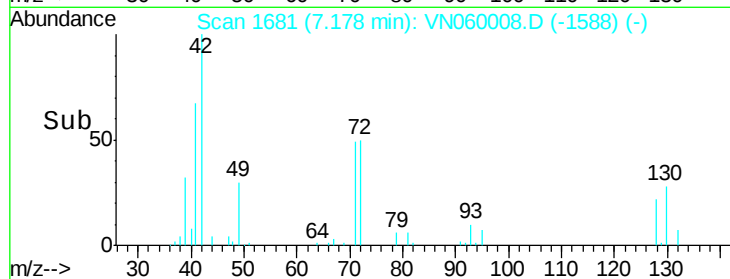
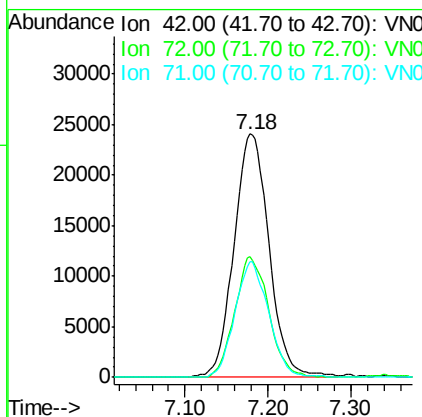
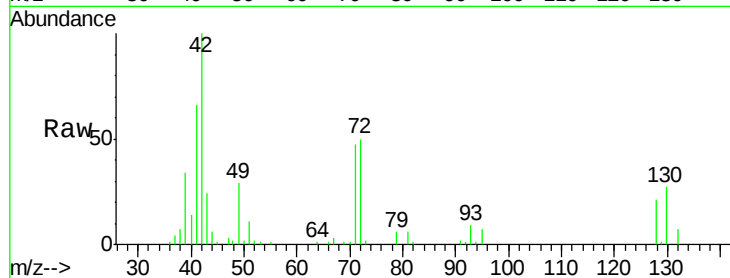
#29
Tetrahydrofuran
Concen: 99.684 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN060008.D
Acq: 6 Feb 2020 11:15

Instrument :
MSVOA_N
ClientSampleId :
VN0206WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.9	33.1	49.7
71	45.6	31.4	47.0

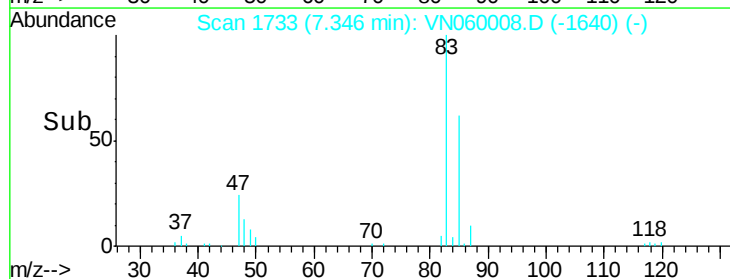
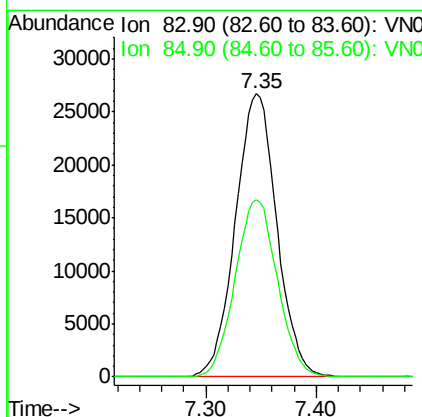
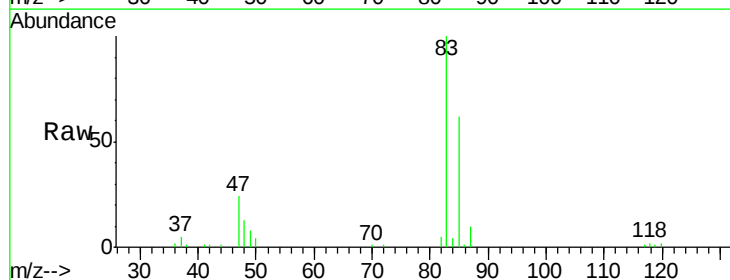
Manual Integrations
APPROVED

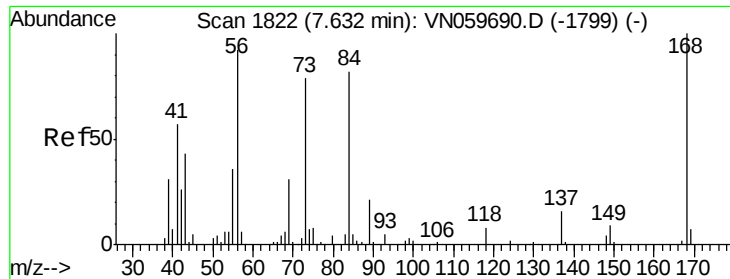
MMDadoda
2/7/2020 1:44:33 PM



#30
Chloroform
Concen: 21.457 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN060008.D
Acq: 6 Feb 2020 11:15

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.4	52.4	78.6





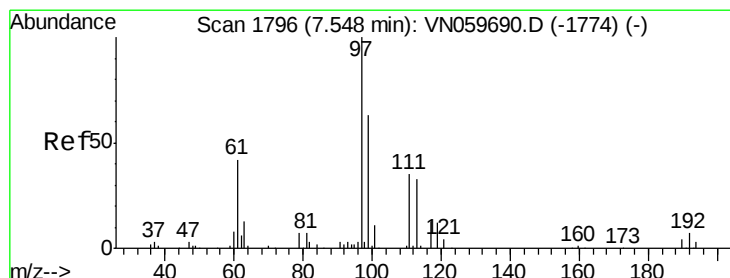
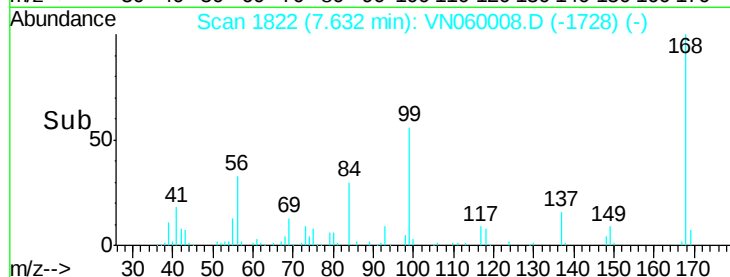
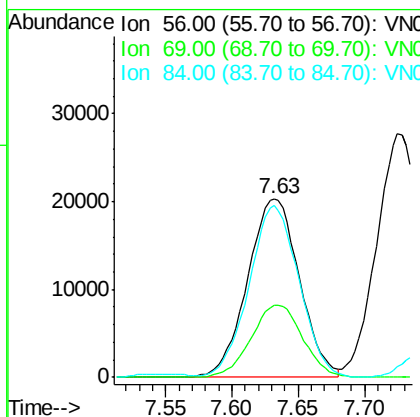
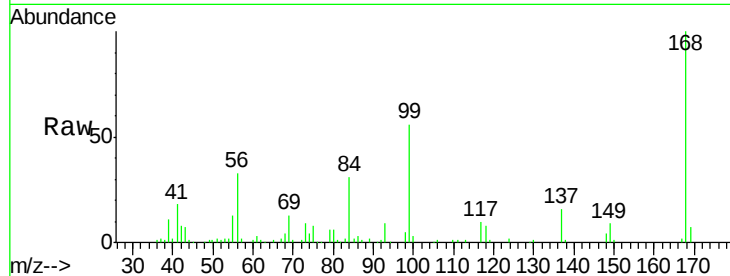
#31
Cyclohexane
Concen: 18.369 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN060008.D
Acq: 6 Feb 2020 11:15

Instrument :
MSVOA_N
ClientSampleId :
VN0206WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	40.5	26.5	39.7#
84	94.9	65.3	97.9

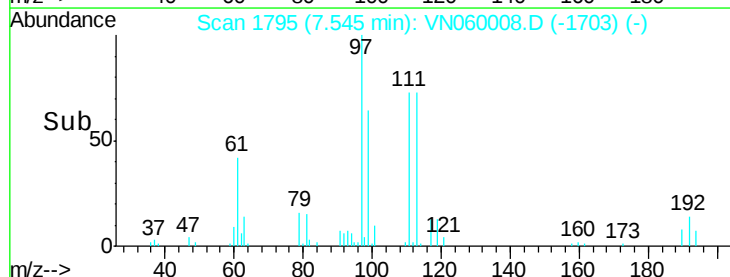
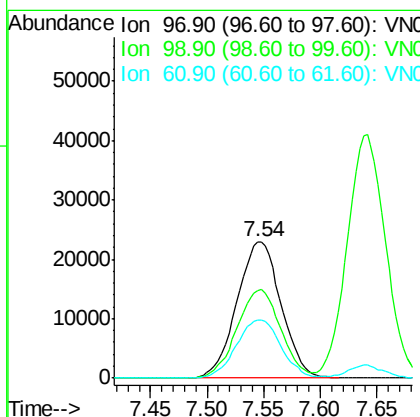
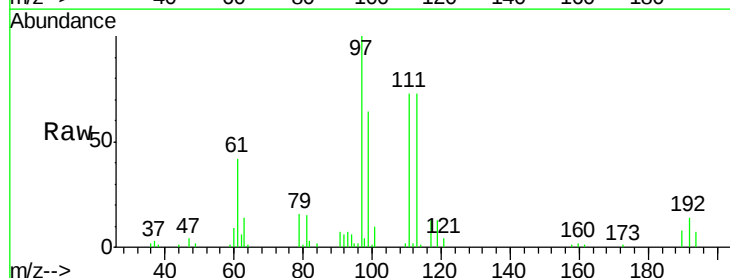
Manual Integrations
APPROVED

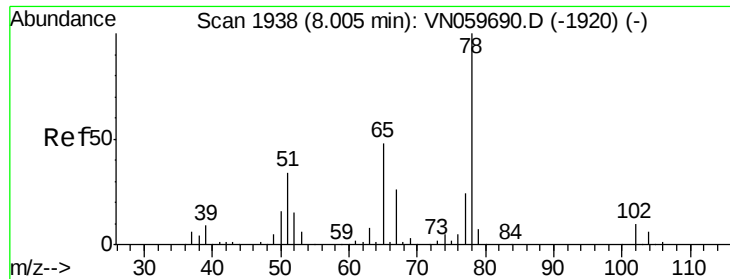
MMDadoda
2/7/2020 1:44:33 PM



#32
1,1,1-Trichloroethane
Concen: 20.800 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN060008.D
Acq: 6 Feb 2020 11:15

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.0	76.4
61	43.3	38.5	57.7





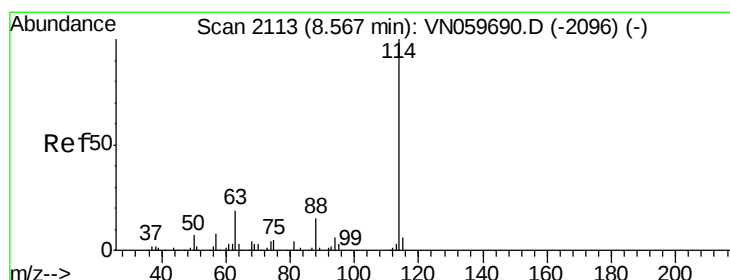
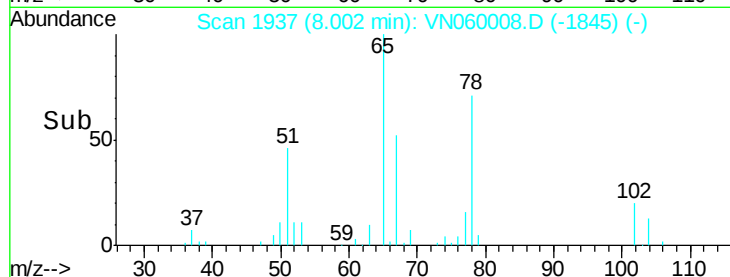
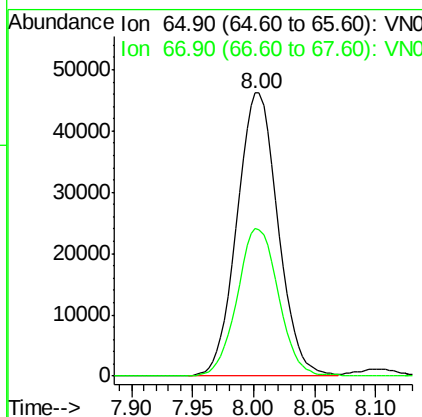
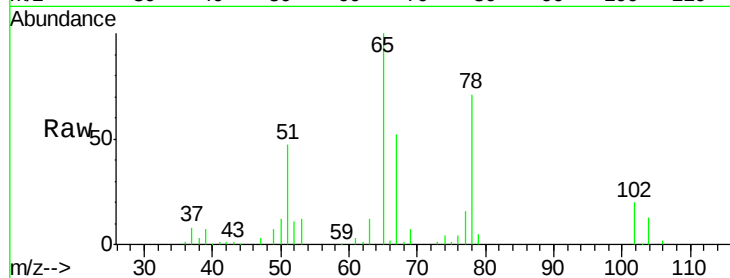
#33
 1,2-Dichloroethane-d4
 Concen: 53.055 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060008.D
 Acq: 6 Feb 2020 11:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0206WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.3	0.0	103.0	

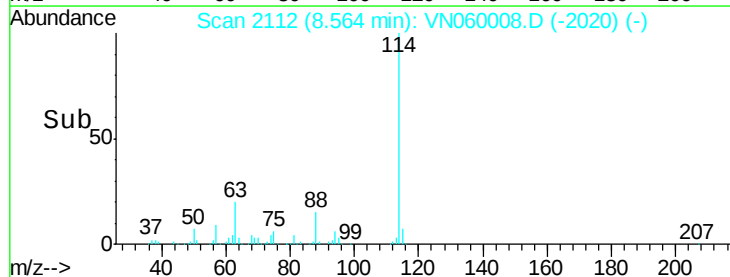
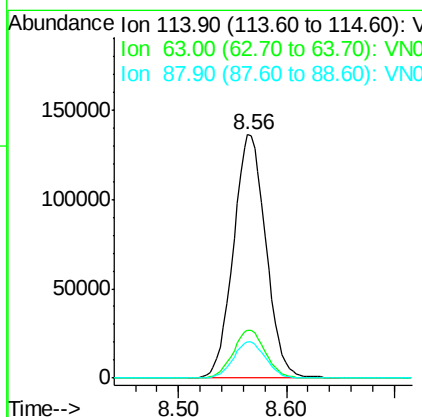
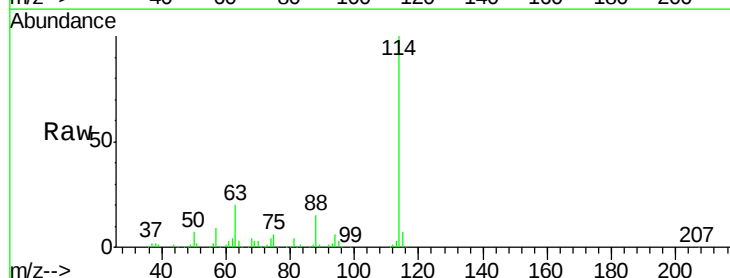
Manual Integrations
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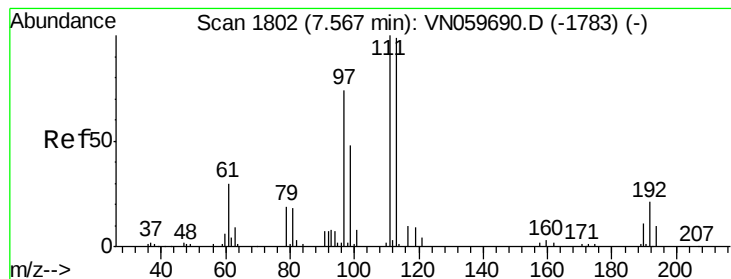
MMDadoda
 2/7/2020 1:44:33 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060008.D
 Acq: 6 Feb 2020 11:15

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.7	0.0	43.6	
88	14.9	0.0	31.4	





#35

Dibromofluoromethane

Concen: 52.679 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN060008.D

Acq: 6 Feb 2020 11:15

Instrument :

MSVOA_N

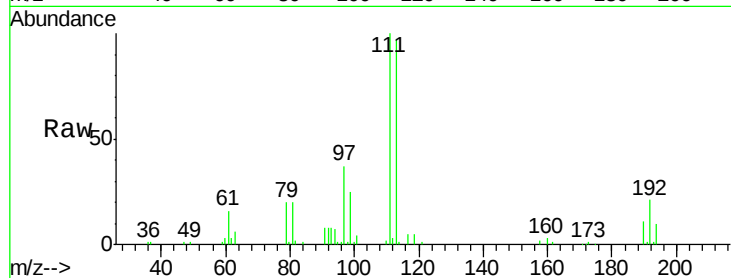
ClientSampleId :

VN0206WBS01

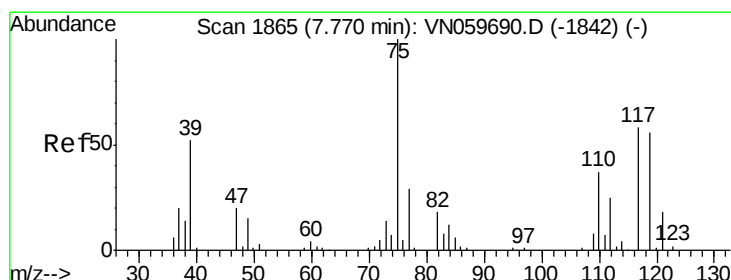
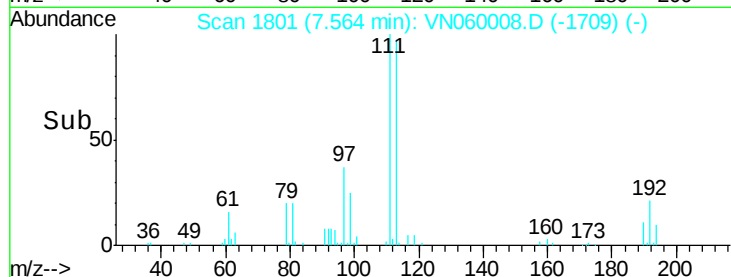
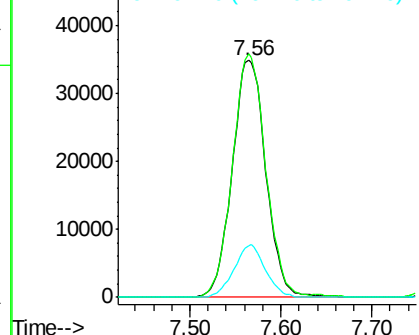
Tot Ion:	113	Resp:	89634
Ion Ratio	Lower	Upper	
113	100		
111	101.0	83.5	125.3
192	20.5	15.4	23.2

Manual Integrations
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2/7/2020 1:44:33 PM



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 19.092 ug/l

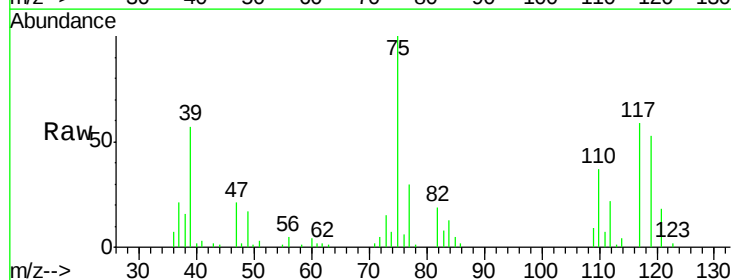
RT: 7.77 min Scan# 1865

Delta R.T. 0.00 min

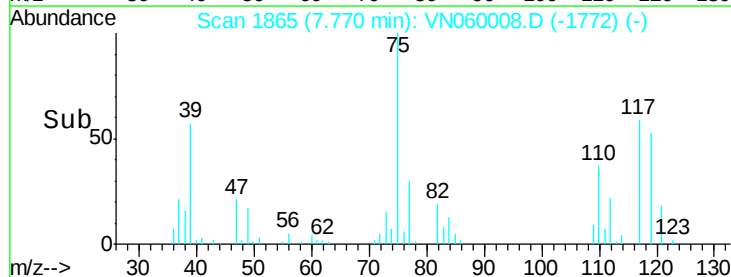
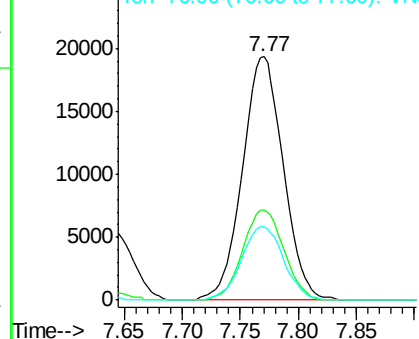
Lab File: VN060008.D

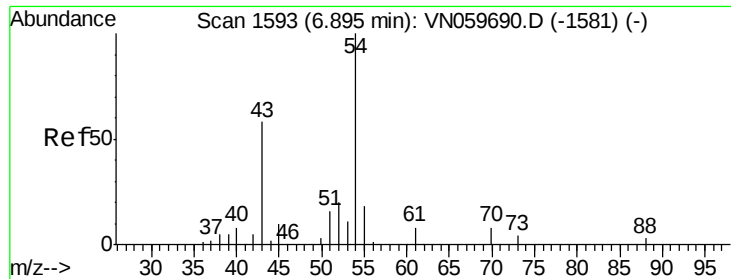
Acq: 6 Feb 2020 11:15

Tgt Ion:	75	Resp:	47437
Ion Ratio	Lower	Upper	
75	100		
110	37.2	16.6	49.7
77	31.2	25.1	37.7



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V





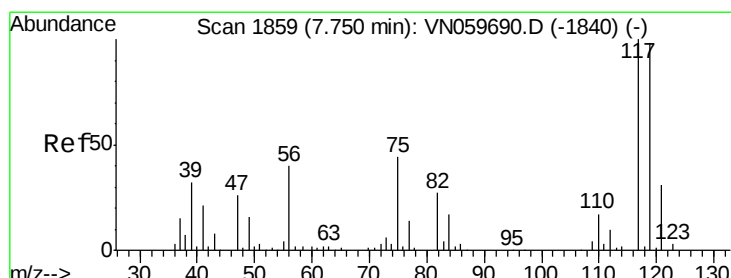
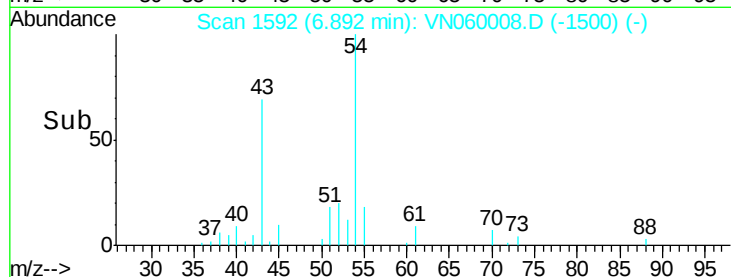
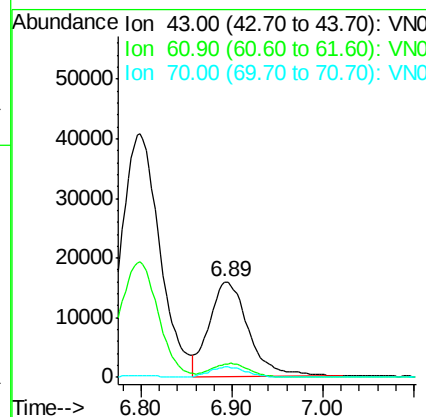
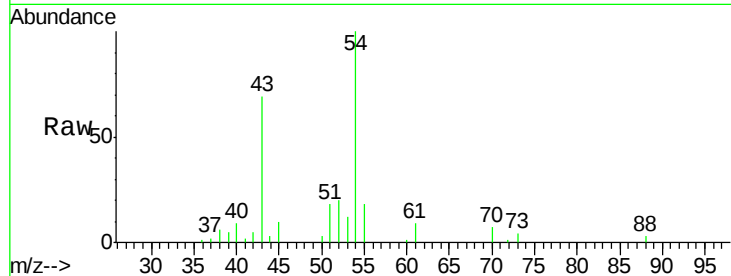
#37
Ethyl Acetate
Concen: 20.462 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN060008.D
Acq: 6 Feb 2020 11:15

Instrument :
MSVOA_N
ClientSampled :
VN0206WBS01

Tot Ion: 43 Resp: 47686
Ion Ratio Lower Upper
43 100
61 14.2 10.9 16.3
70 9.9 7.7 11.5

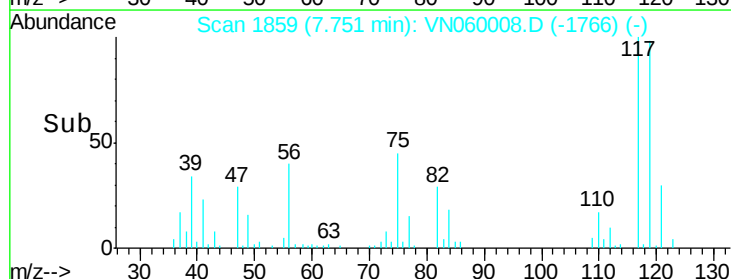
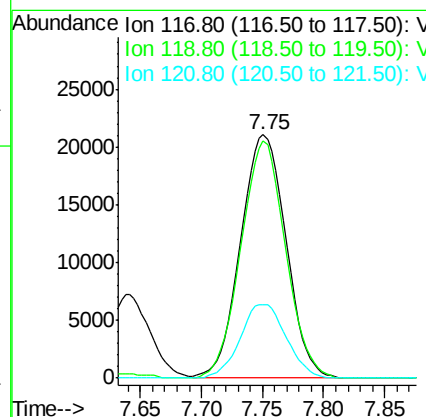
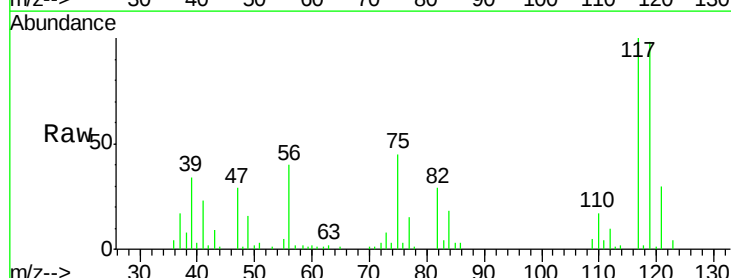
Manual Integrations
APPROVED

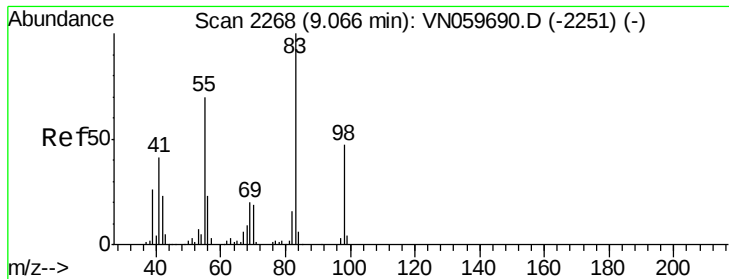
MMDadoda
2/7/2020 1:44:33 PM



#38
Carbon Tetrachloride
Concen: 20.152 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN060008.D
Acq: 6 Feb 2020 11:15

Tgt Ion: 117 Resp: 54467
Ion Ratio Lower Upper
117 100
119 97.6 76.5 114.7
121 30.3 25.1 37.7





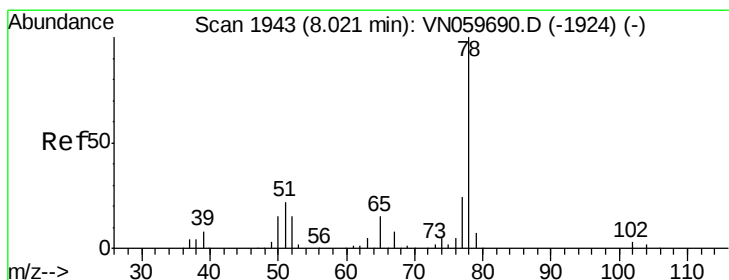
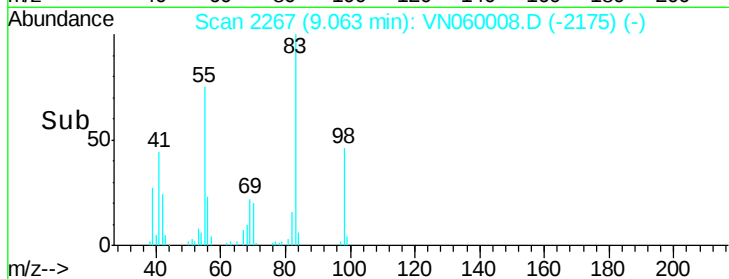
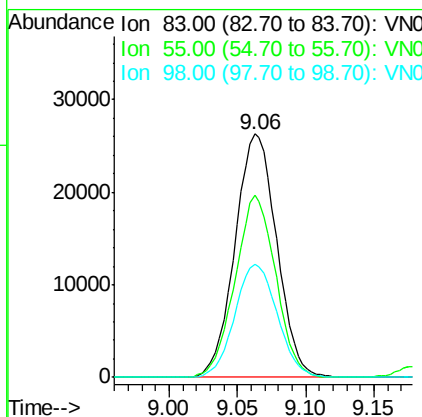
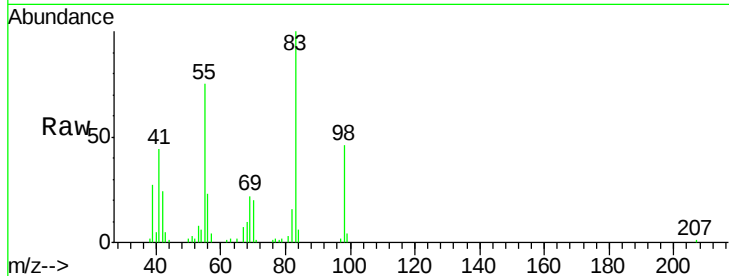
#39
Methvlcvclohexane
Concen: 18.231 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060008.D
Acq: 6 Feb 2020 11:15

Instrument :
MSVOA_N
ClientSampleId :
VN0206WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	74.9	64.2	96.2	
98	46.2	35.9	53.9	

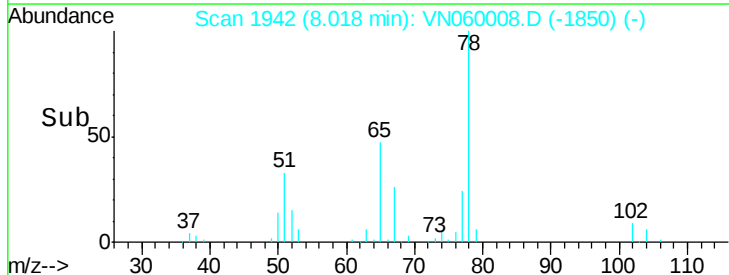
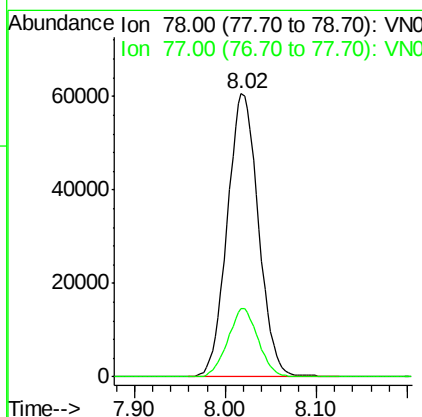
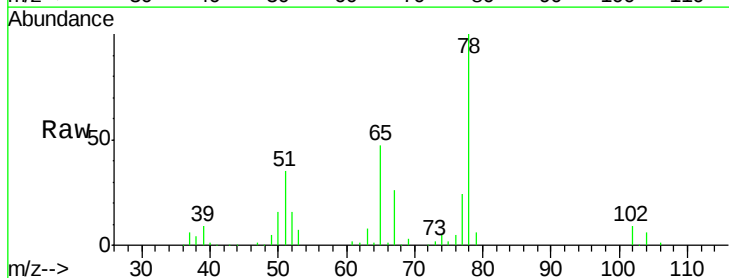
Manual Integrations
APPROVED

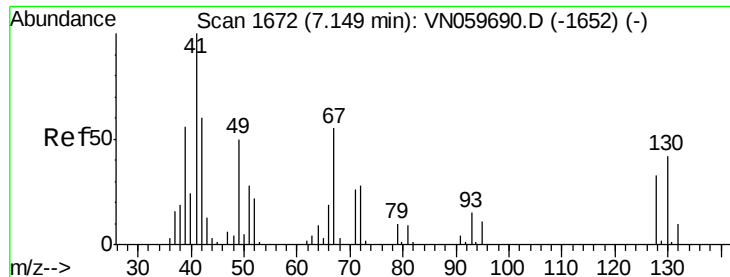
MMDadoda
2/7/2020 1:44:33 PM



#40
Benzene
Concen: 19.456 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060008.D
Acq: 6 Feb 2020 11:15

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	24.0	18.9	28.3	





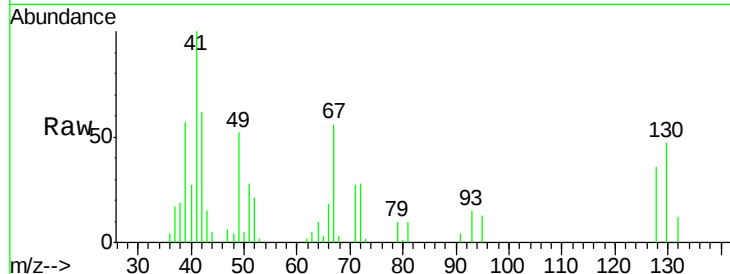
#41
Methacrylonitrile
Concen: 18.486 ug/l m
RT: 7.15 min Scan# 1672
Delta R.T. 0.00 min
Lab File: VN060008.D
Acq: 6 Feb 2020 11:15

Instrument :
MSVOA_N
ClientSampleId :
VN0206WBS01

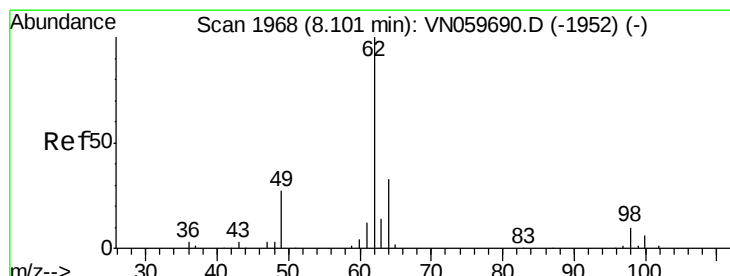
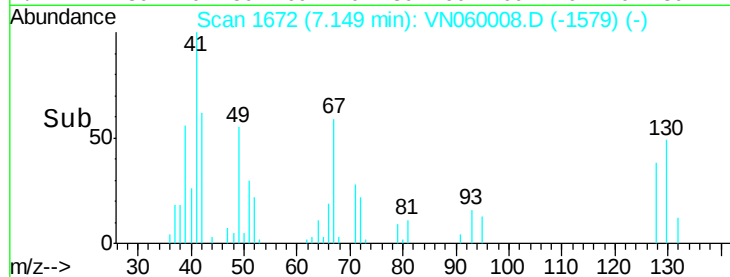
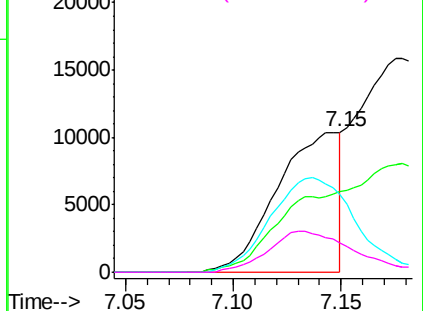
Tot Ion	41	Resp	21220
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

Manual Integrations
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2/7/2020 1:44:33 PM

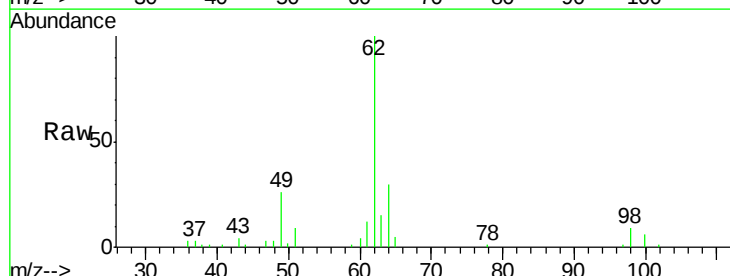


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

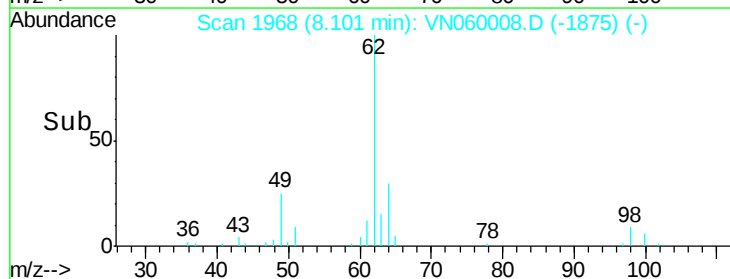
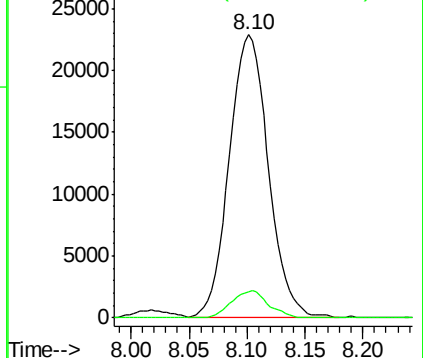


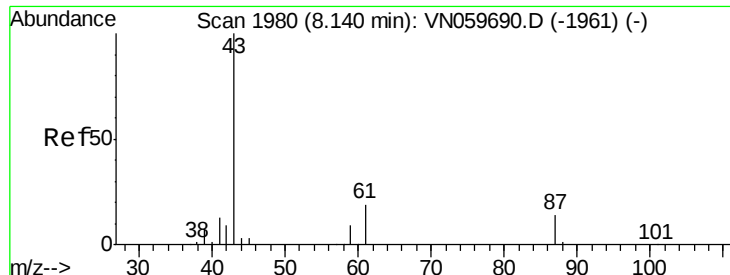
#42
1,2-Dichloroethane
Concen: 21.457 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN060008.D
Acq: 6 Feb 2020 11:15

Tgt Ion	62	Resp	53911
Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	15.8



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





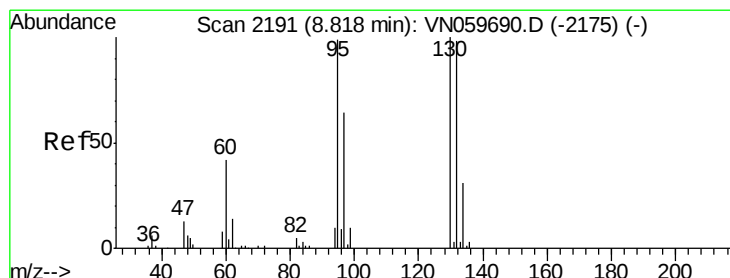
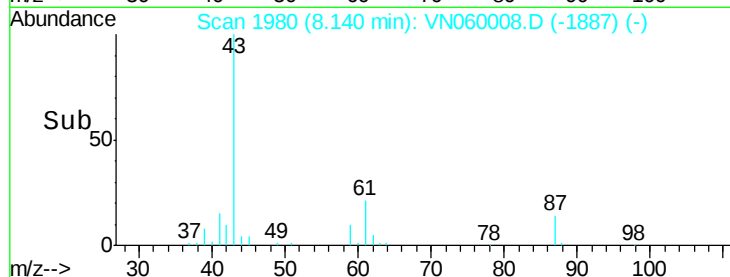
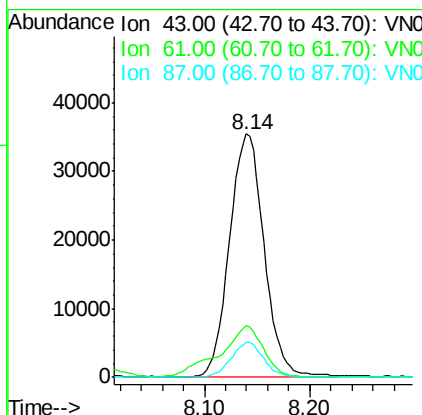
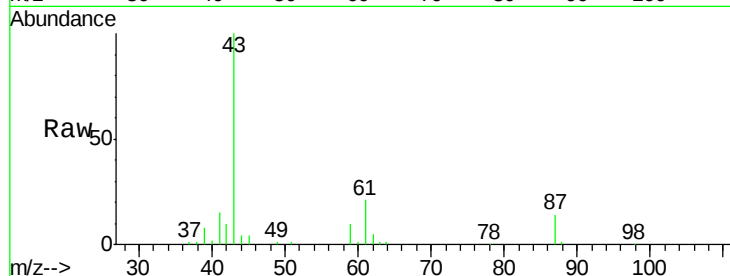
#43
Isopropyl Acetate
Concen: 20.186 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. 0.00 min
Lab File: VN060008.D
Acq: 6 Feb 2020 11:15

Instrument :
MSVOA_N
ClientSampleId :
VN0206WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.0	20.2	30.2
87	13.3	9.5	14.3

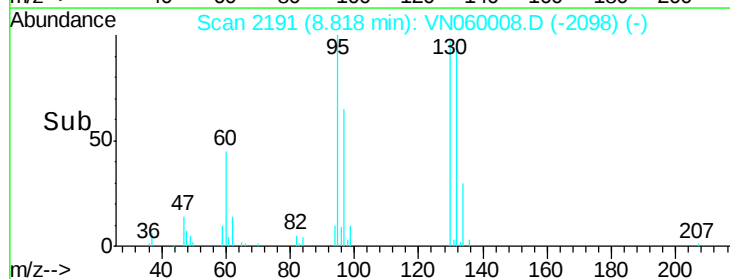
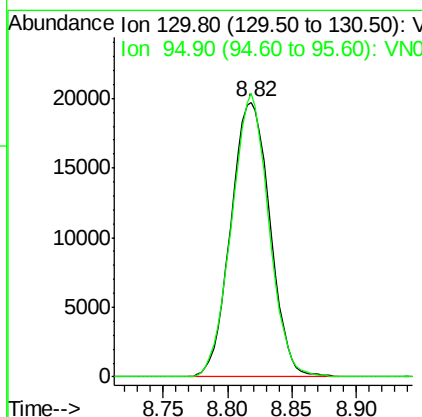
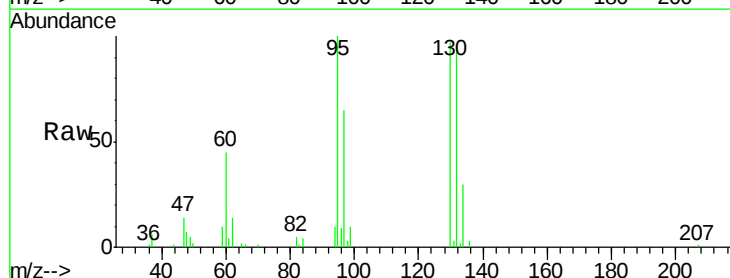
Manual Integrations
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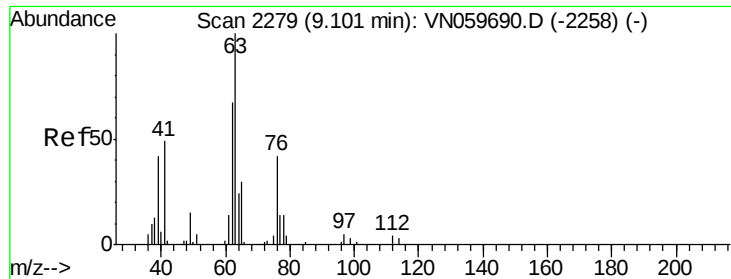
MMDadoda
2/7/2020 1:44:33 PM



#44
Trichloroethene
Concen: 20.599 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. 0.00 min
Lab File: VN060008.D
Acq: 6 Feb 2020 11:15

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.0	0.0	207.0





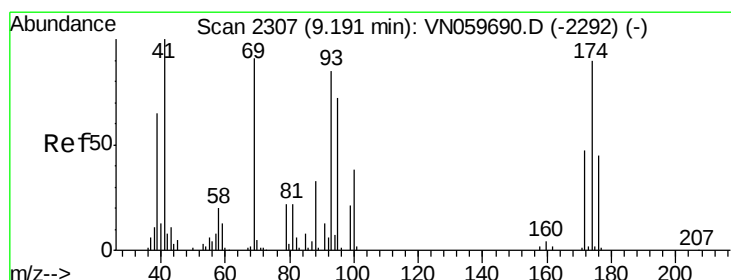
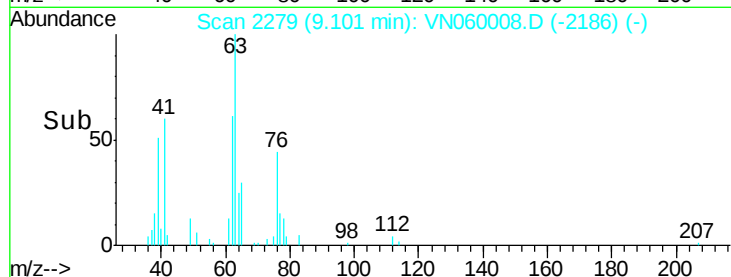
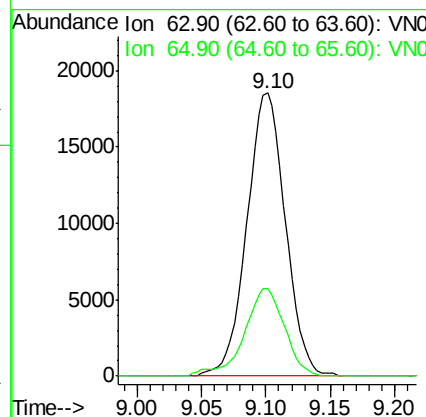
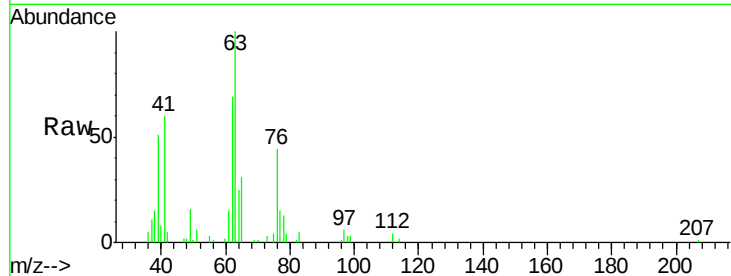
#45
 1,2-Dichloropropane
 Concen: 21.039 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN060008.D
 Acq: 6 Feb 2020 11:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0206WBS01

Tot Ion: 63 Resp: 38579
 Ion Ratio Lower Upper
 63 100
 65 30.8 24.9 37.3

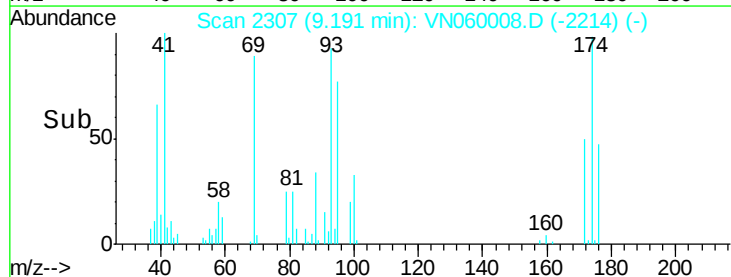
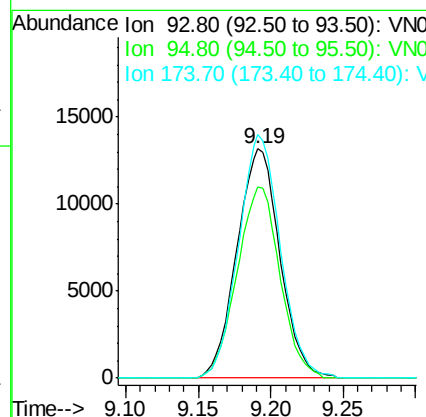
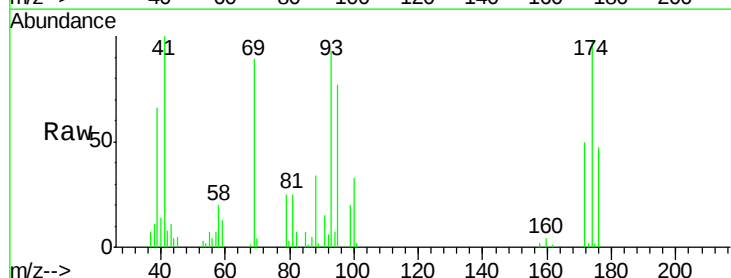
Manual Integrations
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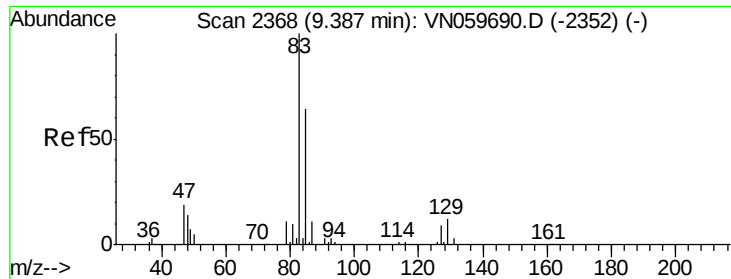
MMDadoda
 2/7/2020 1:44:33 PM



#46
 Dibromomethane
 Concen: 20.998 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN060008.D
 Acq: 6 Feb 2020 11:15

Tgt Ion: 93 Resp: 27161
 Ion Ratio Lower Upper
 93 100
 95 82.6 67.0 100.6
 174 103.2 73.4 110.2





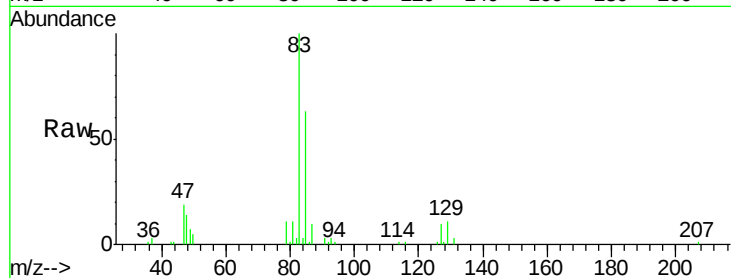
#47
Bromodichloromethane
Concen: 21.232 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN060008.D
Acq: 6 Feb 2020 11:15

Instrument :
MSVOA_N
ClientSampleId :
VN0206WBS01

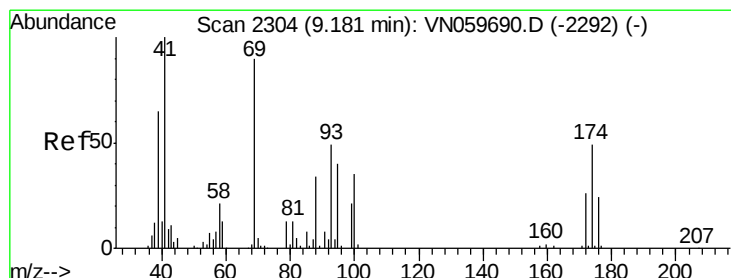
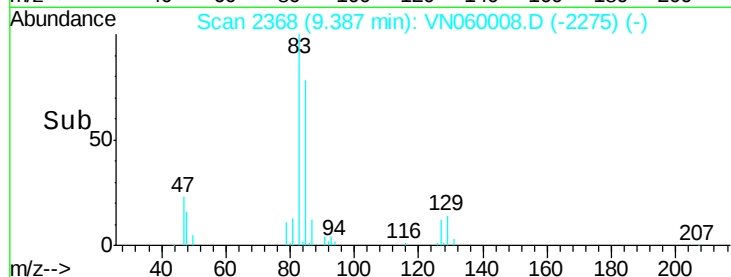
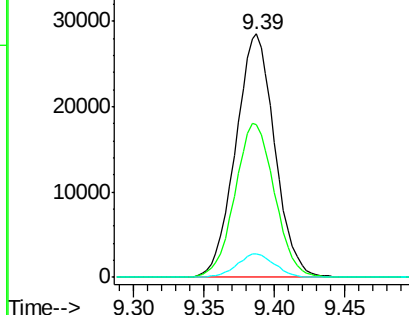
Tot Ion	Ratio	Lower	Upper
83	100		
85	62.7	51.1	76.7
127	9.8	6.6	9.8

Manual Integrations
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MMDadoda
2/7/2020 1:44:33 PM

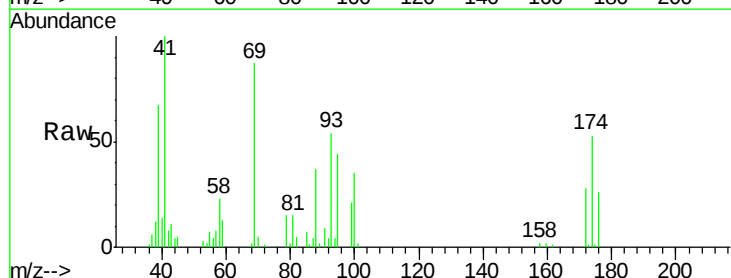


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V

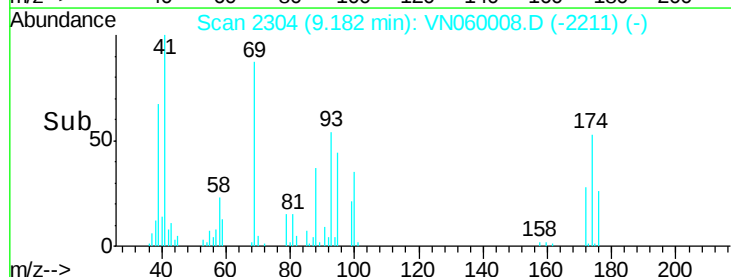
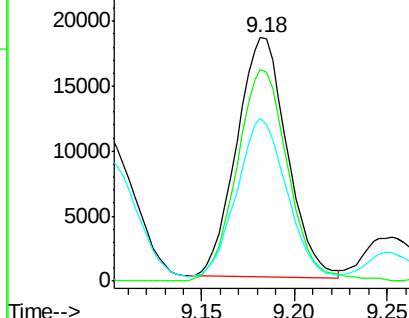


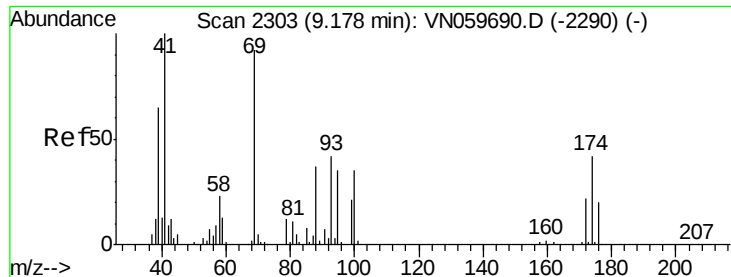
#48
Methyl methacrylate
Concen: 19.516 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN060008.D
Acq: 6 Feb 2020 11:15

Tgt Ion	Ratio	Lower	Upper
41	100		
69	89.3	64.4	96.6
39	68.9	51.3	76.9



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0





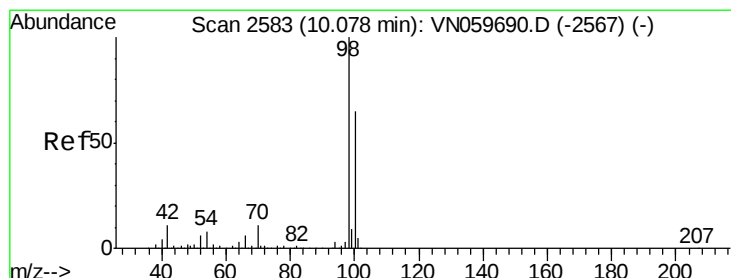
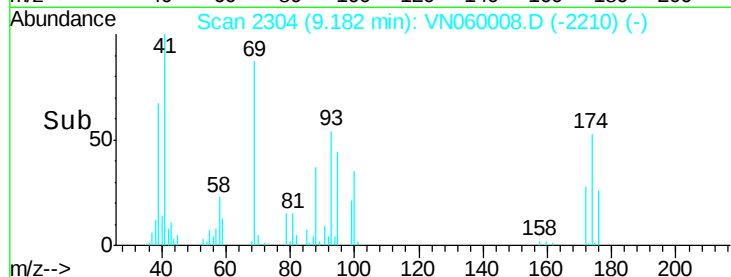
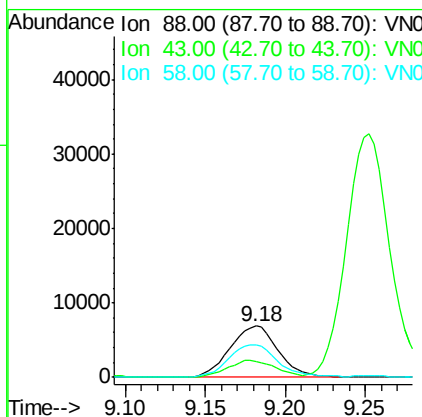
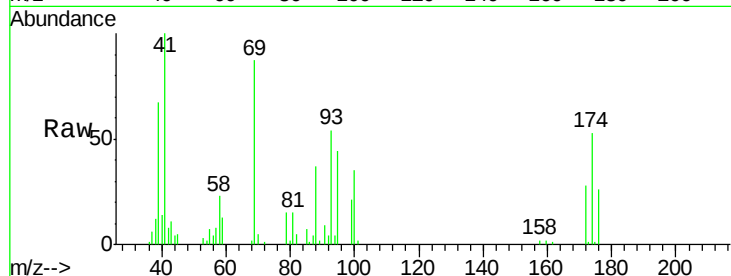
#49
1,4-Dioxane
Concen: 432.289 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN060008.D
Acq: 6 Feb 2020 11:15

Instrument :
MSVOA_N
ClientSampleId :
VN0206WBS01

Tot Ion	88	Resp	14189
Ion	Ratio	Lower	Upper
88	100		
43	32.8	29.7	44.5
58	64.2	56.6	85.0

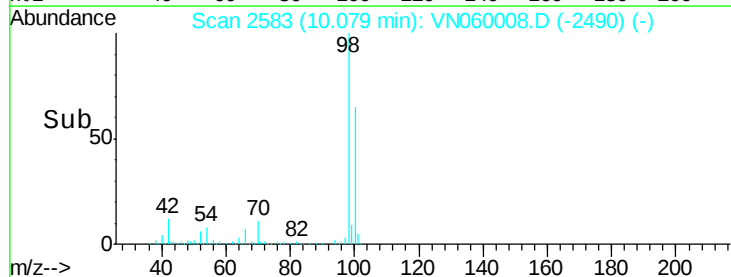
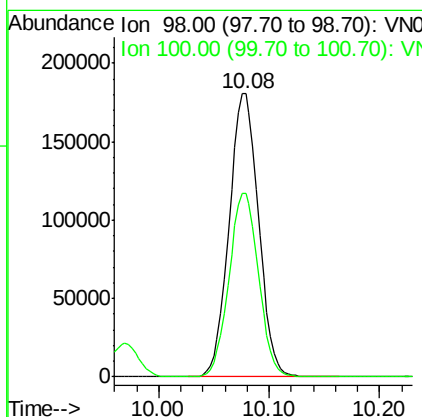
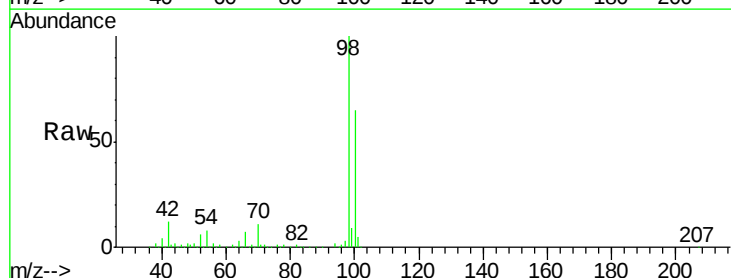
Manual Integrations
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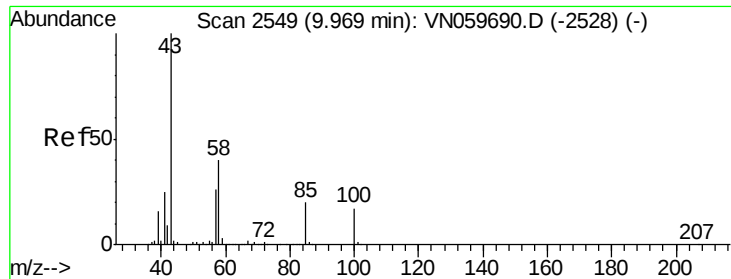
MMDadoda
2/7/2020 1:44:33 PM



#50
Toluene-d8
Concen: 50.674 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN060008.D
Acq: 6 Feb 2020 11:15

Tgt Ion	98	Resp	334070
Ion	Ratio	Lower	Upper
98	100		
100	65.0	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 102.269 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN060008.D

Acq: 6 Feb 2020 11:15

Instrument :

MSVOA_N

ClientSampleId :

VN0206WBS01

Tot Ion: 43 Resp: 236975

Ion Ratio Lower Upper

43 100

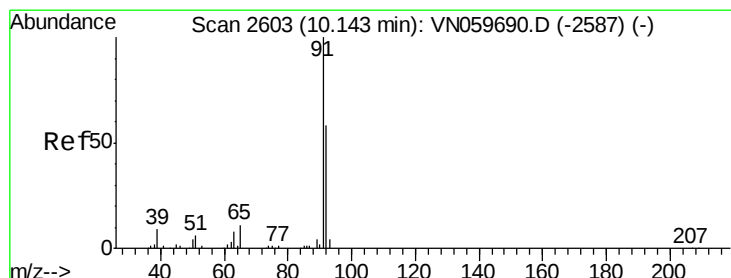
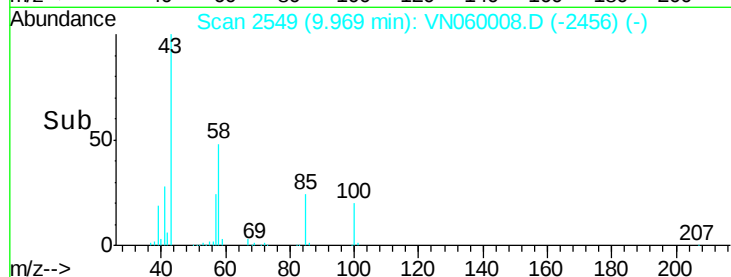
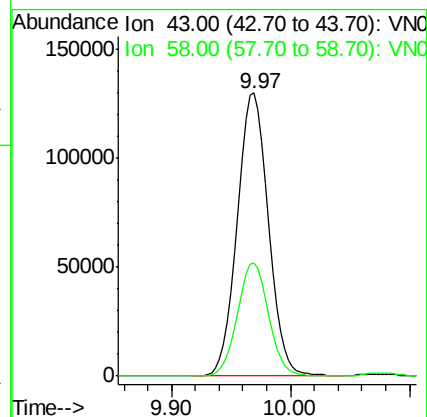
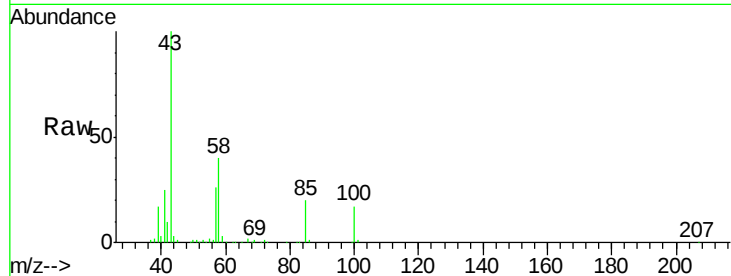
58 39.8 29.8 44.8

Manual Integrations

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2/7/2020 1:44:33 PM



#52

Toluene

Concen: 20.415 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN060008.D

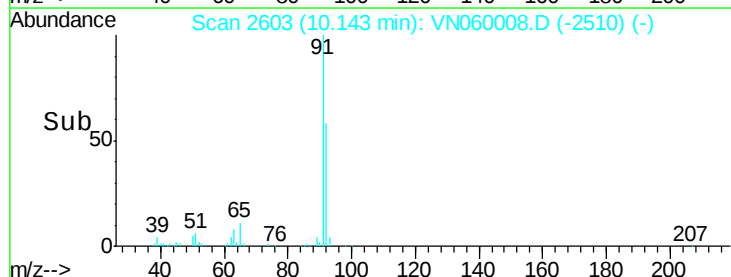
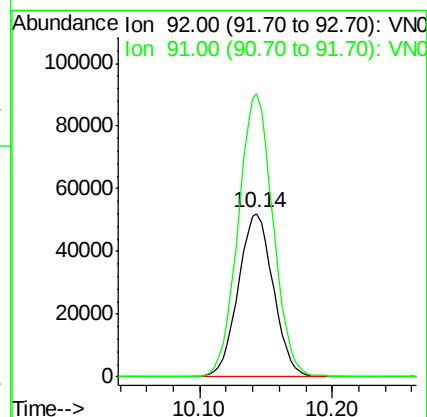
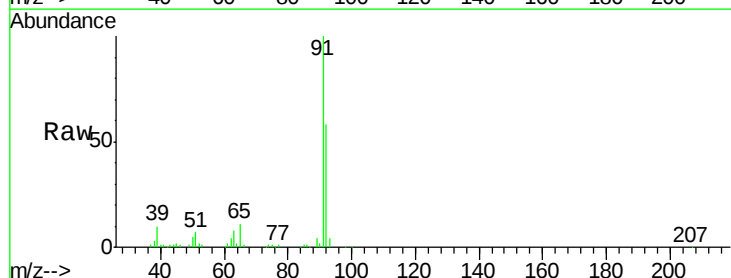
Acq: 6 Feb 2020 11:15

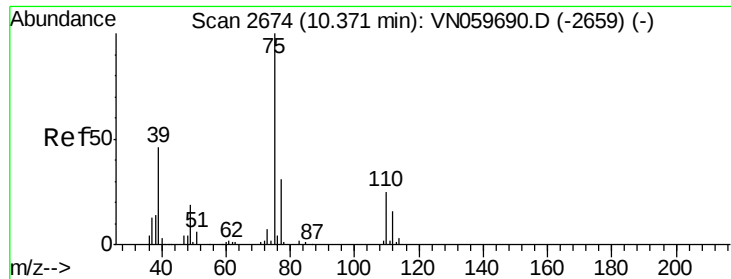
Tgt Ion: 92 Resp: 95558

Ion Ratio Lower Upper

92 100

91 172.2 140.4 210.6





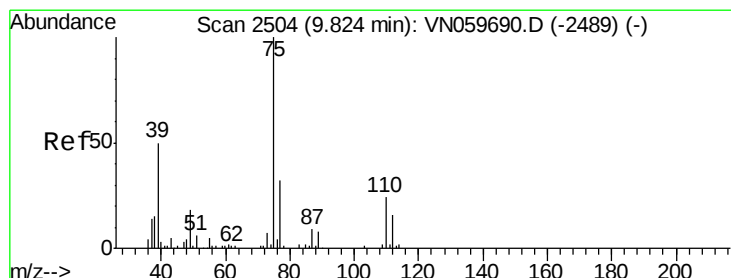
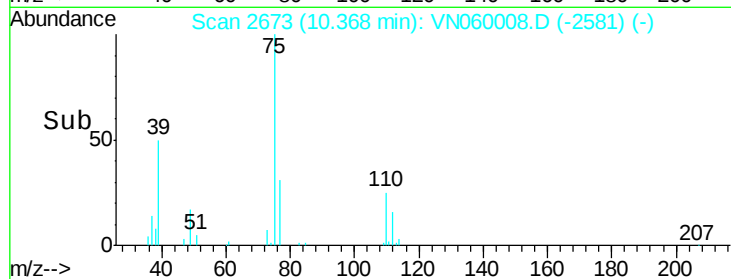
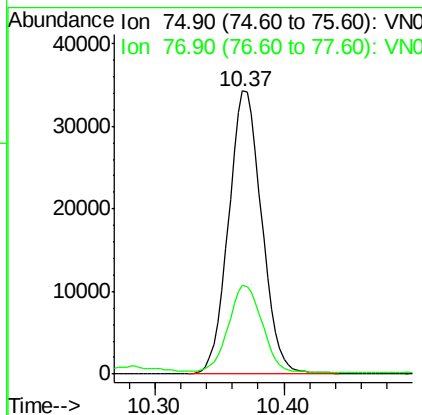
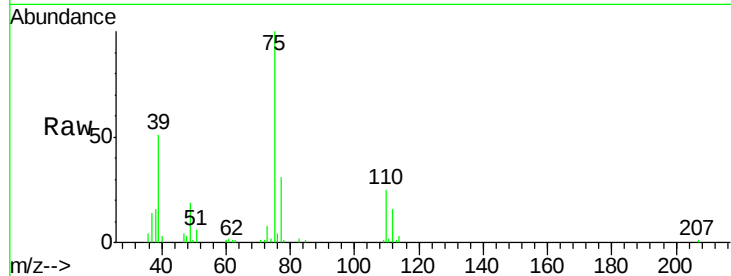
#53
t-1,3-Dichloropropene
Concen: 21.027 ug/l
RT: 10.37 min Scan# 2673
Delta R.T. -0.00 min
Lab File: VN060008.D
Acq: 6 Feb 2020 11:15

Instrument :
MSVOA_N
ClientSampleId :
VN0206WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.5	25.4	38.2

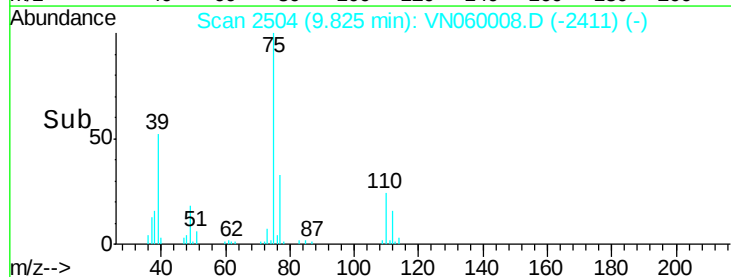
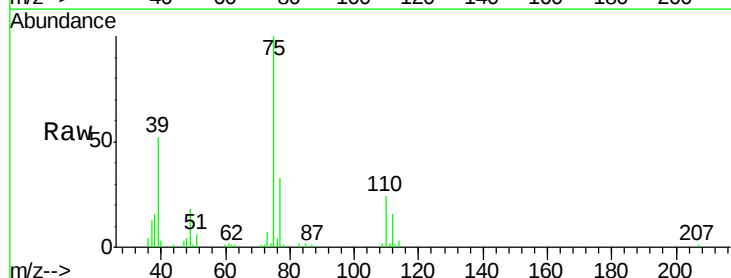
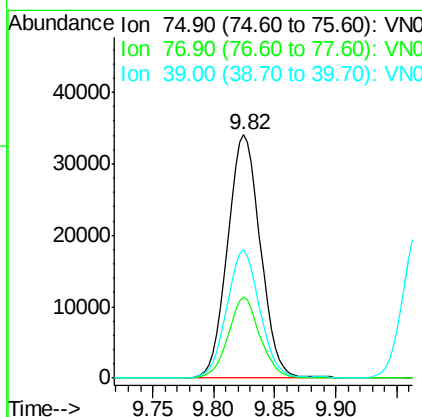
Manual Integrations
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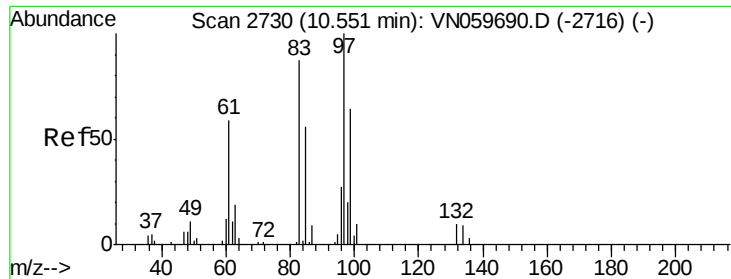
MMDadoda
2/7/2020 1:44:33 PM



#54
cis-1,3-Dichloropropene
Concen: 20.906 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN060008.D
Acq: 6 Feb 2020 11:15

Tgt Ion	Ratio	Lower	Upper
75	100		
77	33.4	25.1	37.7
39	52.5	46.1	69.1





#55

1,1,2-Trichloroethane

Concen: 20.906 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. 0.00 min

Lab File: VN060008.D

Acq: 6 Feb 2020 11:15

Instrument :

MSVOA_N

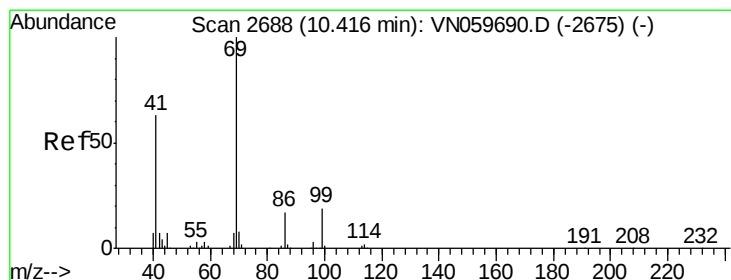
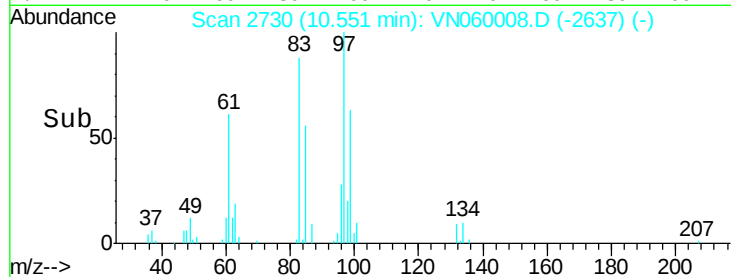
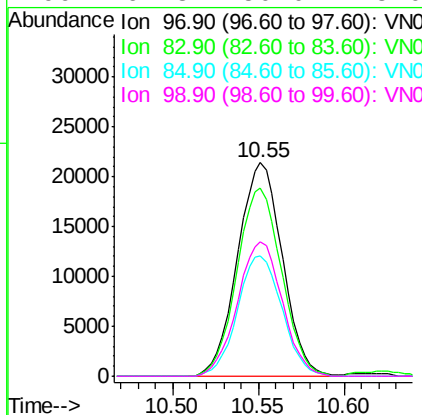
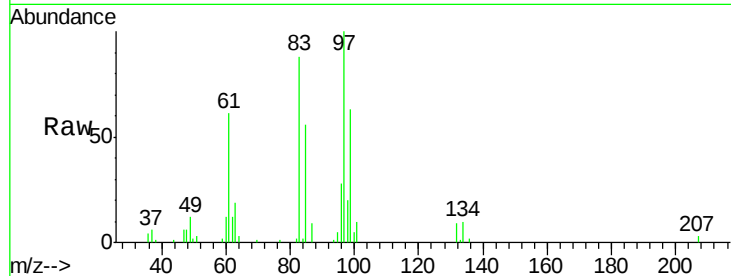
ClientSampleId :

VN0206WBS01

Tot Ion:	97	Resp:	38757
Ion	Ratio	Lower	Upper
97	100		
83	87.8	71.3	106.9
85	56.3	45.8	68.8
99	62.8	50.0	75.0

Manual Integrations
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2/7/2020 1:44:33 PM



#56

Ethyl methacrylate

Concen: 19.462 ug/l

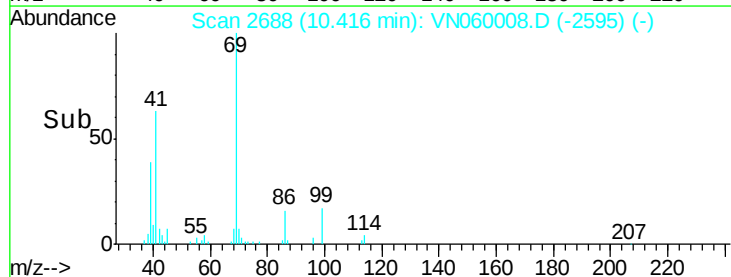
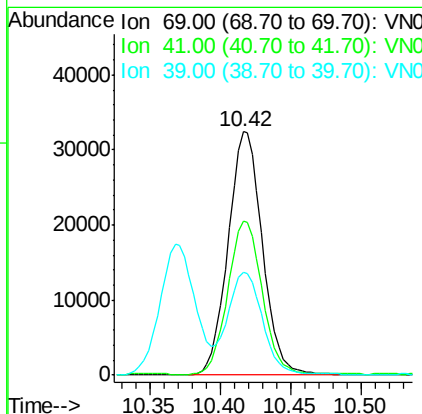
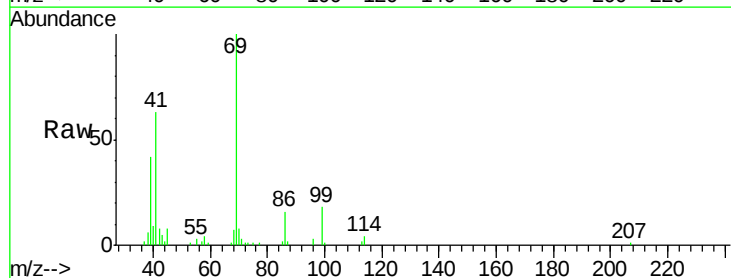
RT: 10.42 min Scan# 2688

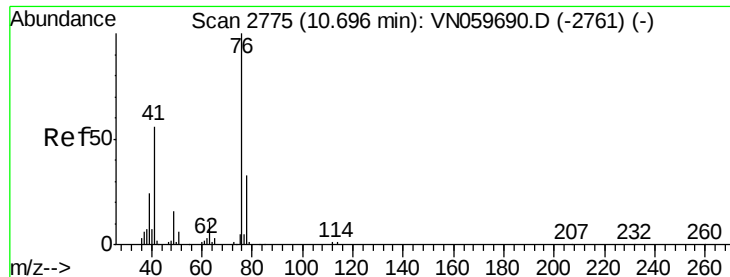
Delta R.T. 0.00 min

Lab File: VN060008.D

Acq: 6 Feb 2020 11:15

Tgt Ion:	69	Resp:	55128
Ion	Ratio	Lower	Upper
69	100		
41	64.6	57.1	85.7
39	44.0	34.7	52.1





#57

1,3-Dichloropropane

Concen: 21.581 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN060008.D

Acq: 6 Feb 2020 11:15

Instrument :

MSVOA_N

ClientSampleId :

VN0206WBS01

Tot Ion: 76 Resp: 63517

Ion Ratio Lower Upper

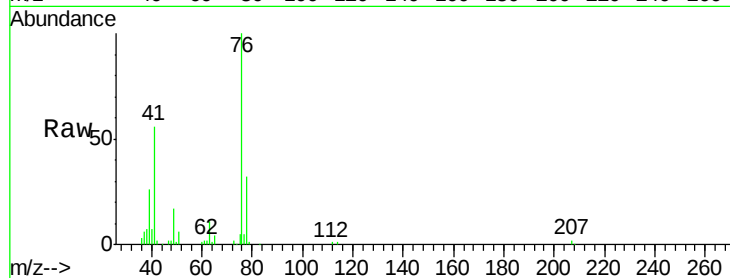
76 100

78 32.9 25.8 38.8

Manual Integrations
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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.70

40000

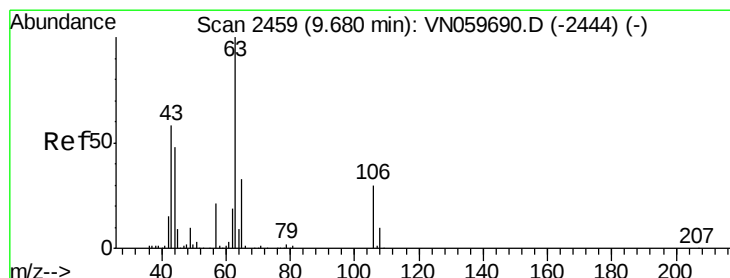
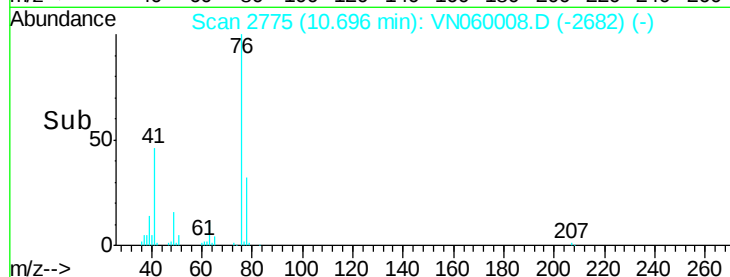
30000

20000

10000

0

Time--> 10.60 10.65 10.70 10.75



#58

2-Chloroethyl Vinyl ether

Concen: 106.057 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN060008.D

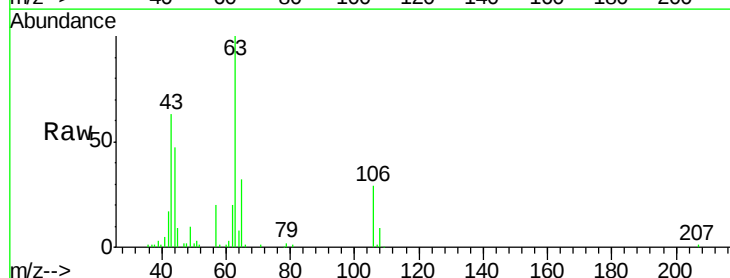
Acq: 6 Feb 2020 11:15

Tgt Ion: 63 Resp: 90488

Ion Ratio Lower Upper

63 100

106 28.4 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.68

50000

40000

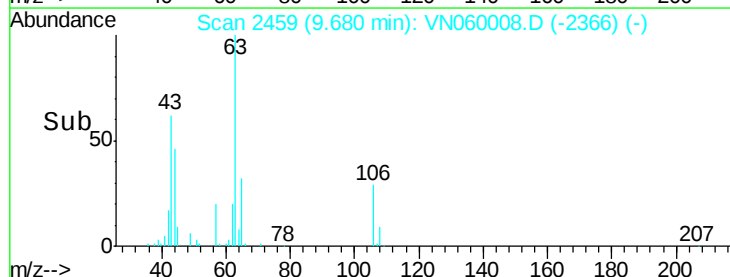
30000

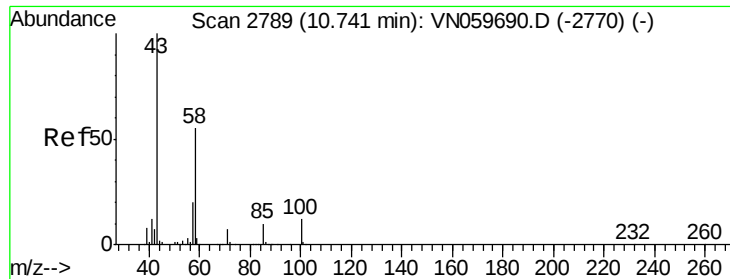
20000

10000

0

Time--> 9.60 9.65 9.70 9.75





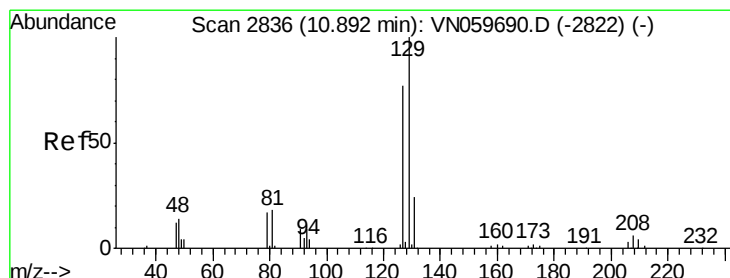
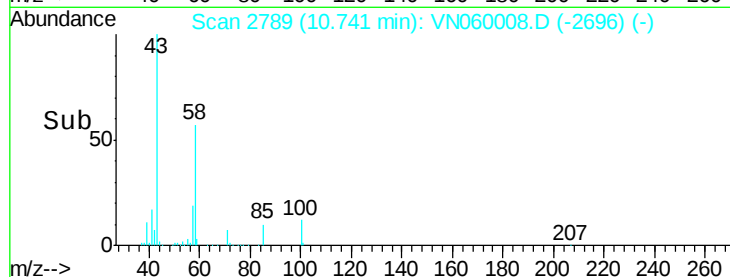
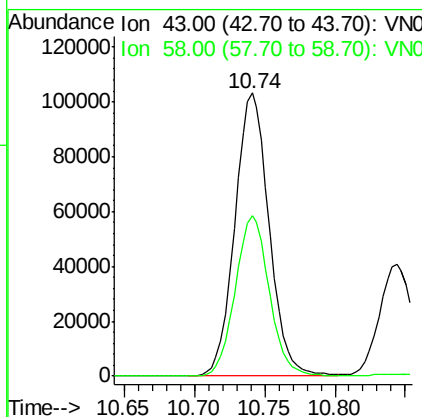
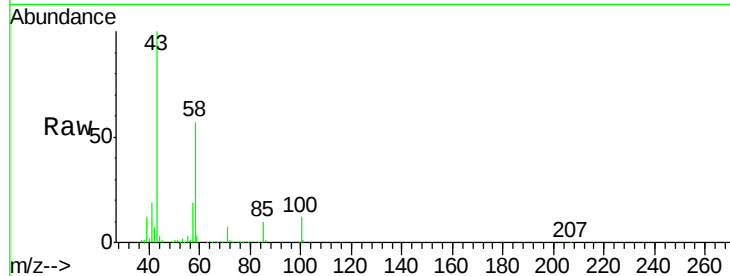
#59
2-Hexanone
Concen: 102.922 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060008.D
Acq: 6 Feb 2020 11:15

Instrument :
MSVOA_N
ClientSampleId :
VN0206WBS01

Tot Ion: 43 Resp: 175695
Ion Ratio Lower Upper
43 100
58 56.3 25.8 77.3

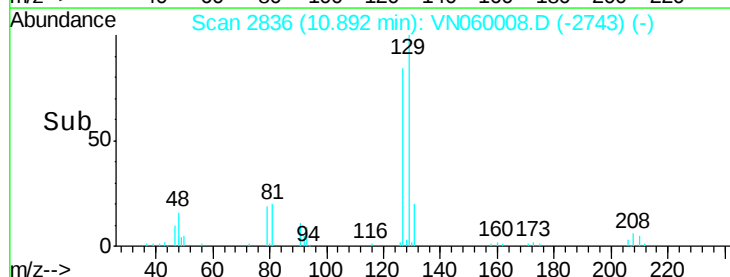
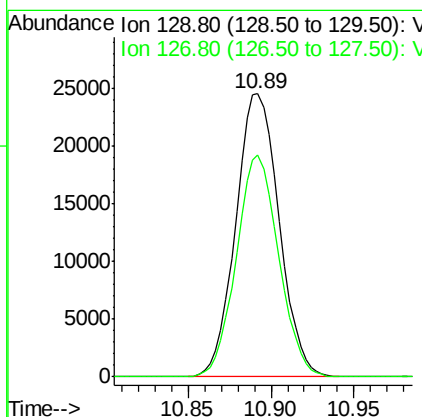
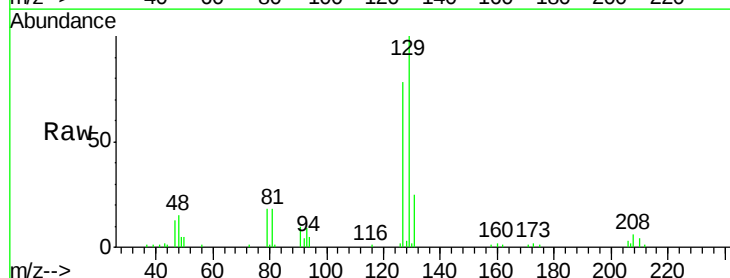
Manual Integrations
APPROVED

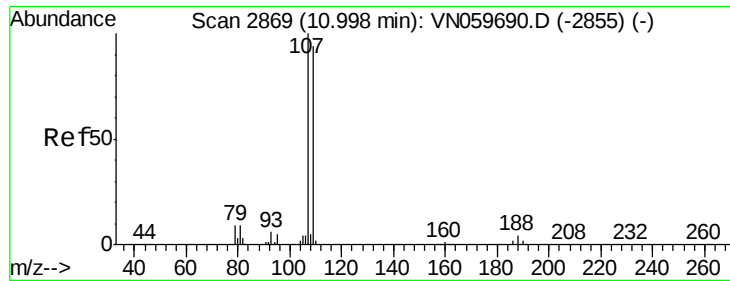
MMDadoda
2/7/2020 1:44:33 PM



#60
Dibromochloromethane
Concen: 21.189 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060008.D
Acq: 6 Feb 2020 11:15

Tgt Ion: 129 Resp: 44731
Ion Ratio Lower Upper
129 100
127 76.3 38.5 115.5





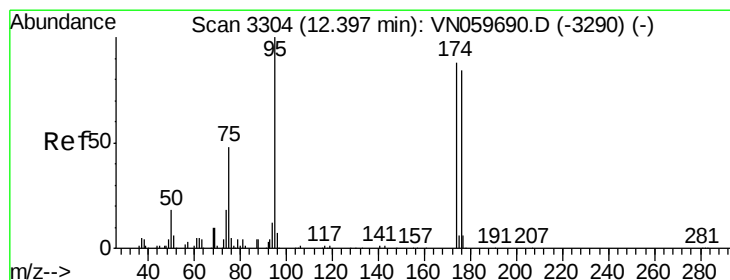
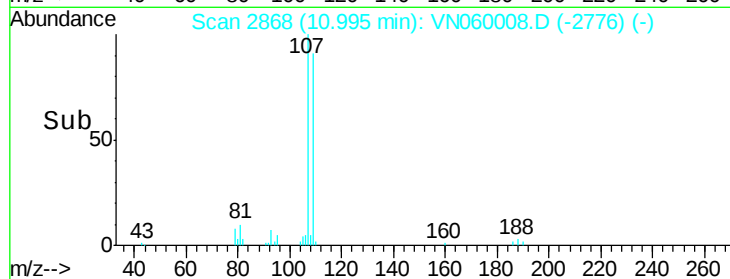
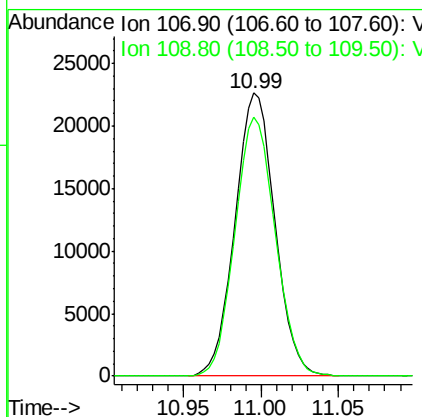
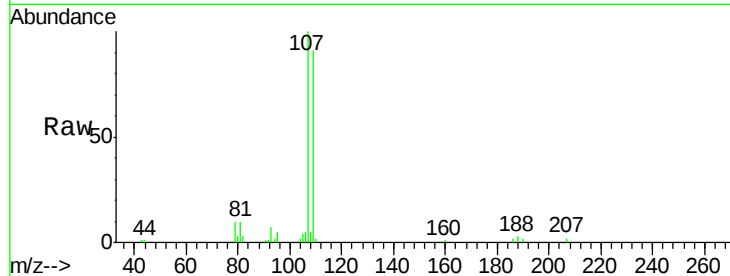
#61
 1,2-Dibromoethane
 Concen: 20.888 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060008.D
 Acq: 6 Feb 2020 11:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0206WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.6	76.6	115.0

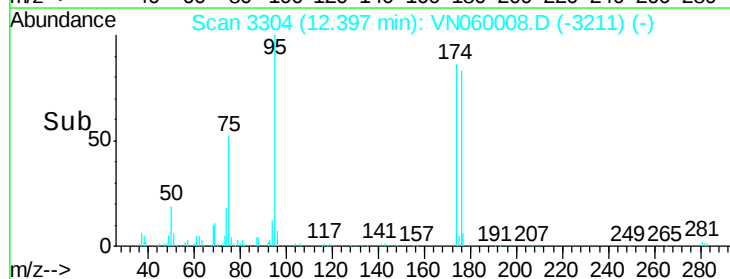
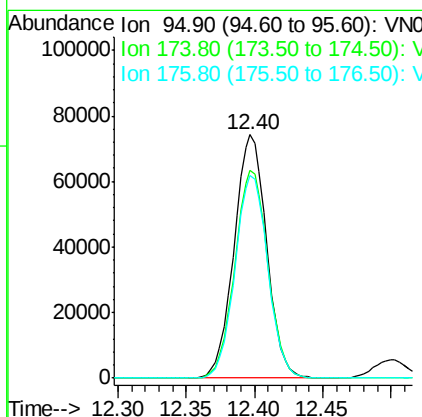
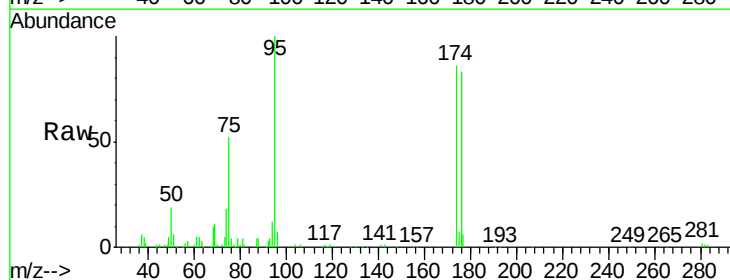
Manual Integrations
 APPROVED

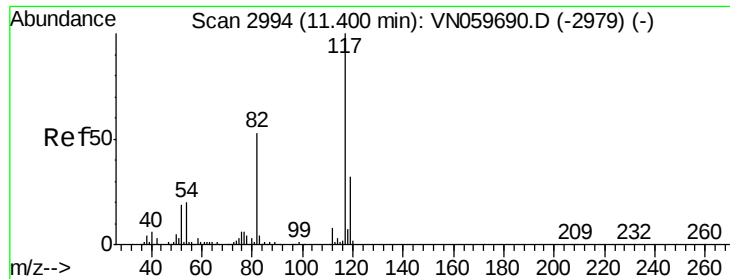
MMDadoda
 2/7/2020 1:44:33 PM



#62
 4-Bromofluorobenzene
 Concen: 51.718 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN060008.D
 Acq: 6 Feb 2020 11:15

Tgt Ion	Ratio	Lower	Upper
95	100		
174	86.5	0.0	151.4
176	83.6	0.0	146.0





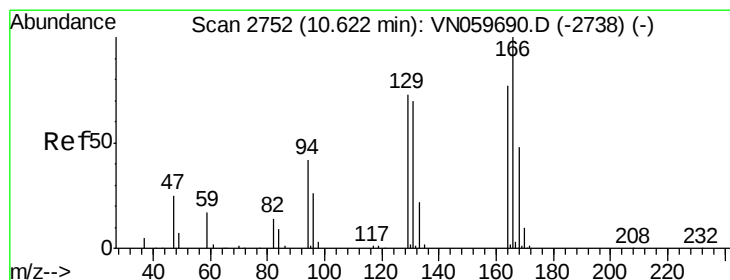
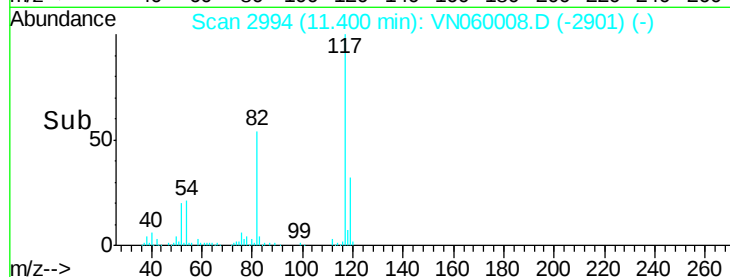
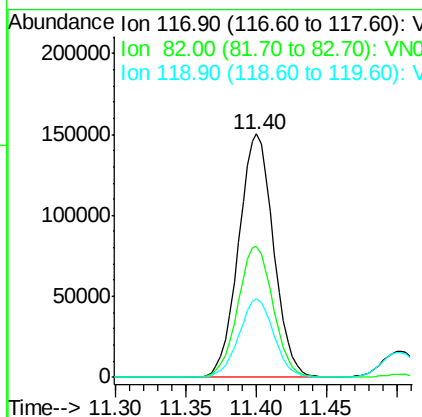
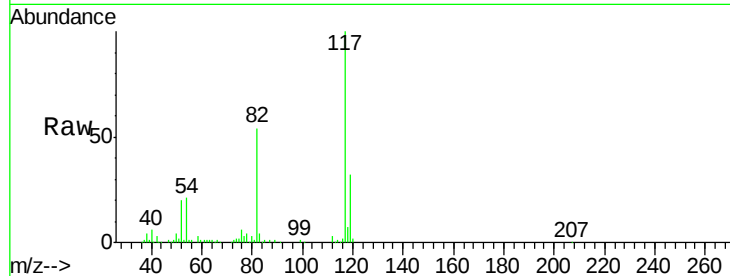
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060008.D
Acq: 6 Feb 2020 11:15

Instrument :
MSVOA_N
ClientSampleId :
VN0206WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	260485		
82	54.0		45.9	68.9
119	32.5		25.5	38.3

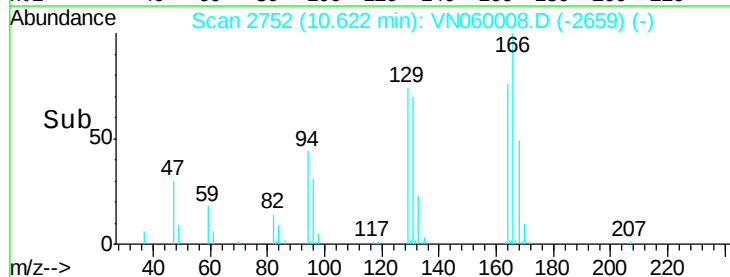
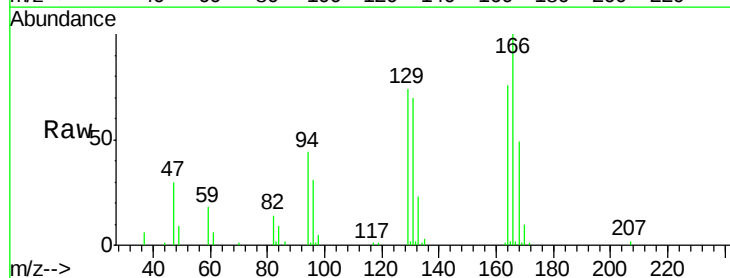
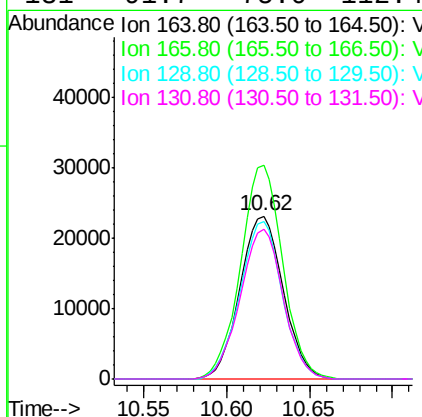
Manual Integrations
APPROVED

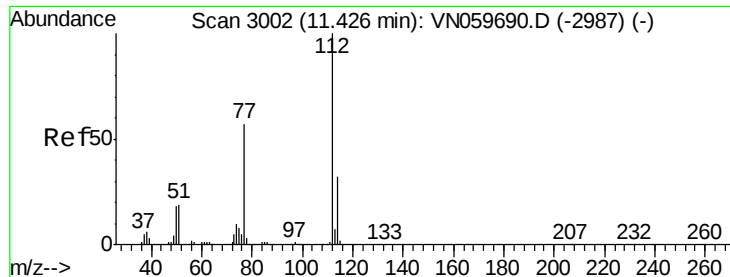
MMDadoda
2/7/2020 1:44:33 PM



#64
Tetrachloroethene
Concen: 19.853 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN060008.D
Acq: 6 Feb 2020 11:15

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	42148		
166	131.2		101.4	152.0
129	97.1		80.2	120.4
131	91.7		75.0	112.4





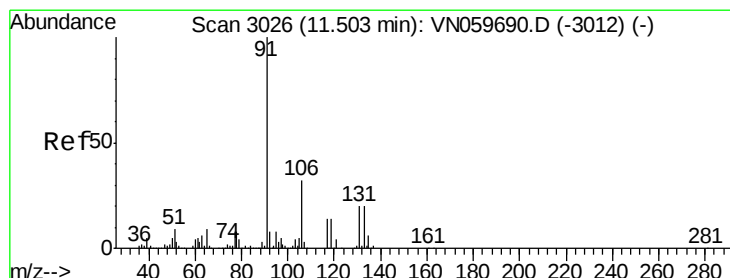
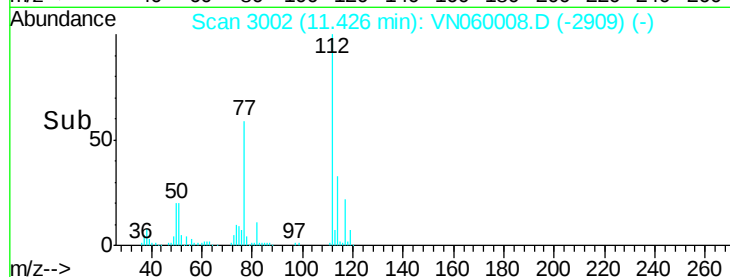
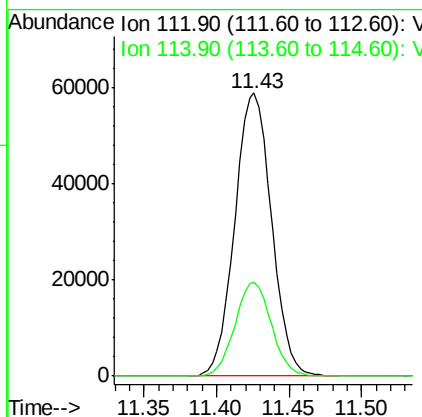
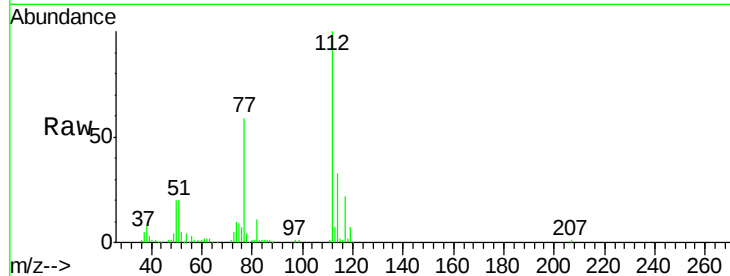
#65
Chlorobenzene
Concen: 20.237 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN060008.D
Acq: 6 Feb 2020 11:15

Instrument :
MSVOA_N
ClientSampleId :
VN0206WBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.1	25.8	38.8

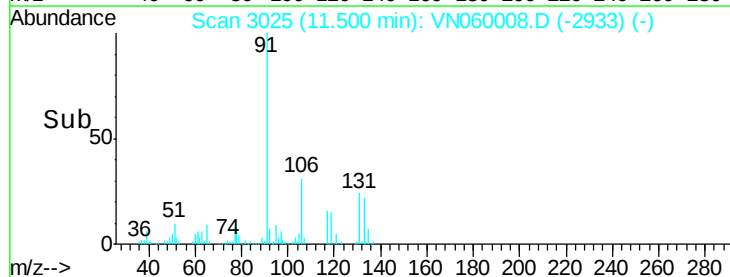
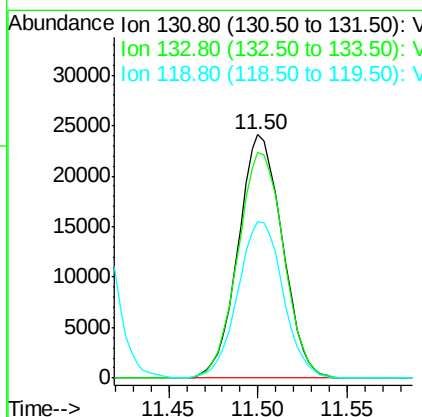
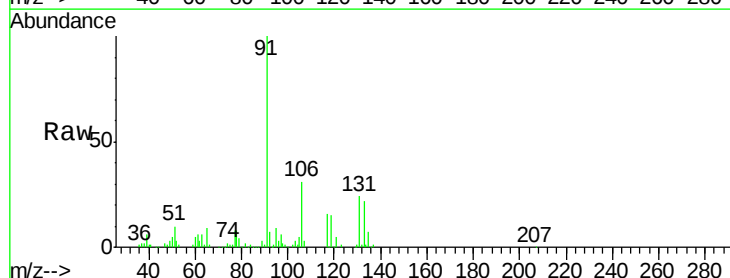
Manual Integrations
APPROVED

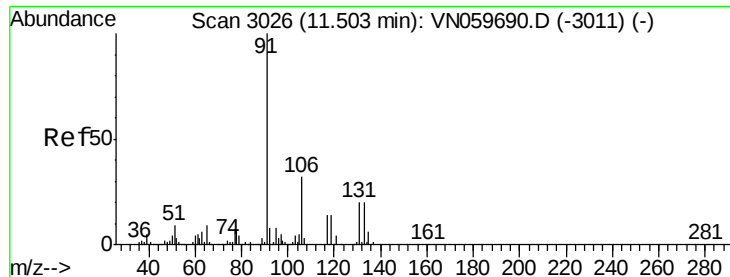
MMDadoda
2/7/2020 1:44:33 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.009 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN060008.D
Acq: 6 Feb 2020 11:15

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.3	47.4	142.2
119	65.9	33.1	99.3





#67

Ethyl Benzene

Concen: 20.011 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN060008.D

Acq: 6 Feb 2020 11:15

Instrument :

MSVOA_N

ClientSampleId :

VN0206WBS01

Tot Ion: 91 Resp: 185986

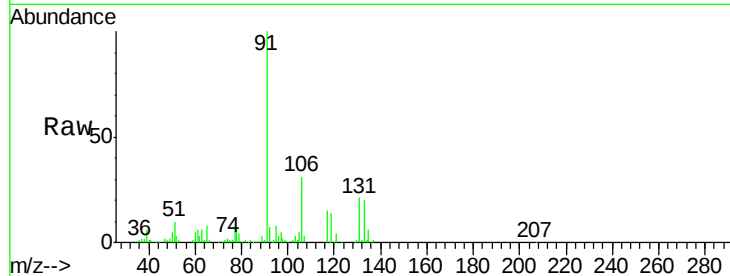
Ion Ratio Lower Upper

91 100

106 31.0 24.1 36.1

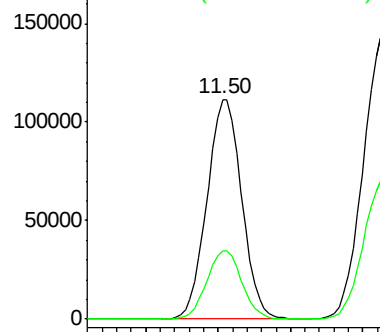
Manual Integrations
APPROVED

MMDadoda
2/7/2020 1:44:33 PM

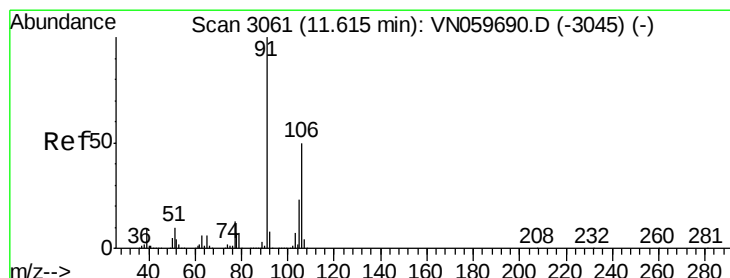
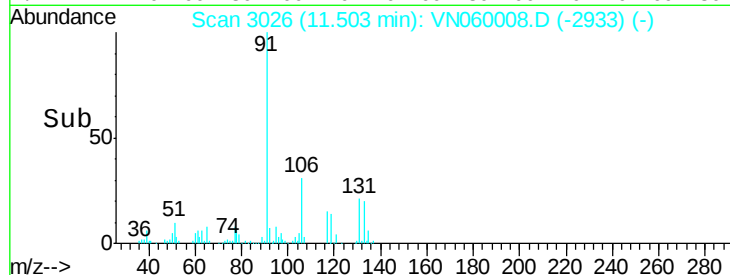


Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V



Time-->



#68

m/p-Xylenes

Concen: 39.702 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN060008.D

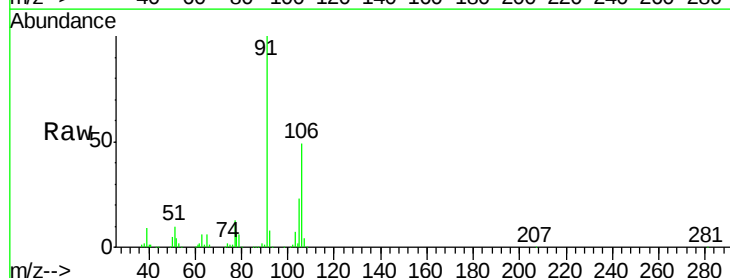
Acq: 6 Feb 2020 11:15

Tgt Ion: 106 Resp: 139388

Ion Ratio Lower Upper

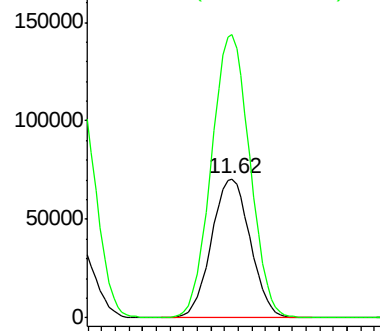
106 100

91 201.9 167.9 251.9

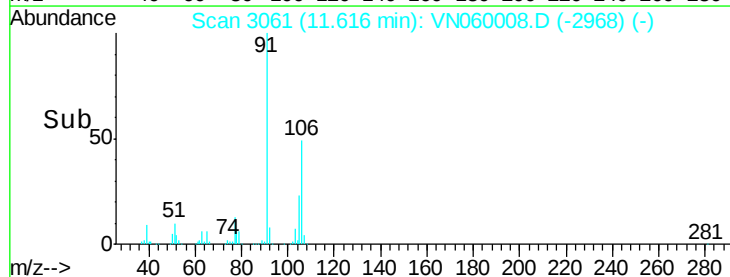


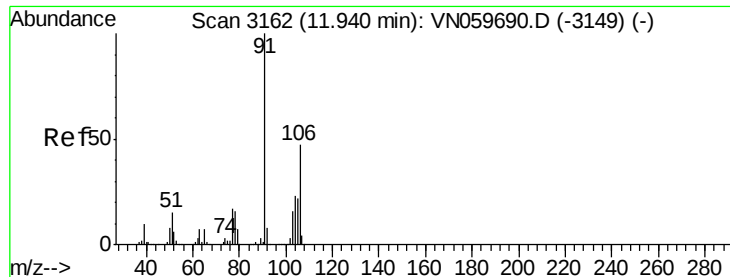
Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



Time-->





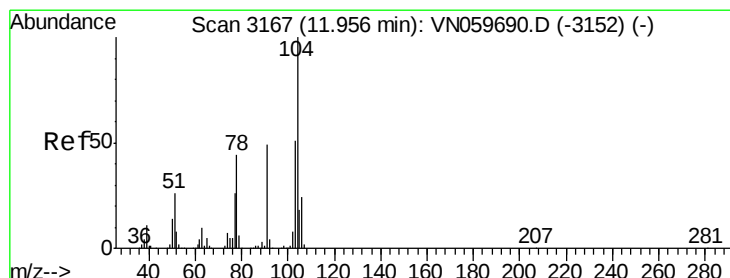
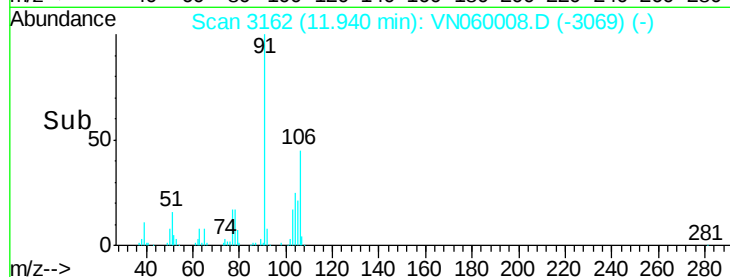
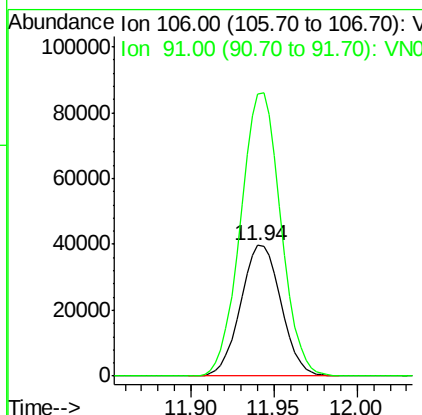
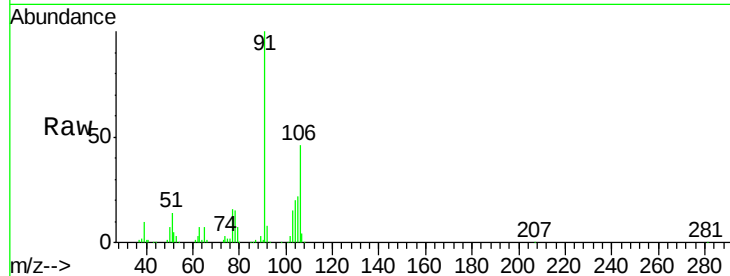
#69
o-Xylene
Concen: 19.686 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060008.D
Acq: 6 Feb 2020 11:15

Instrument :
MSVOA_N
ClientSampleId :
VN0206WBS01

Tot Ion:106 Resp: 67663
Ion Ratio Lower Upper
106 100
91 214.6 110.3 330.9

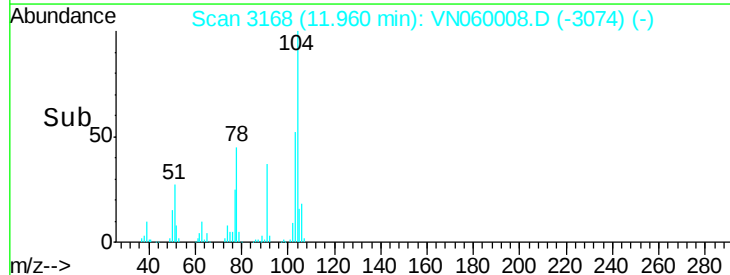
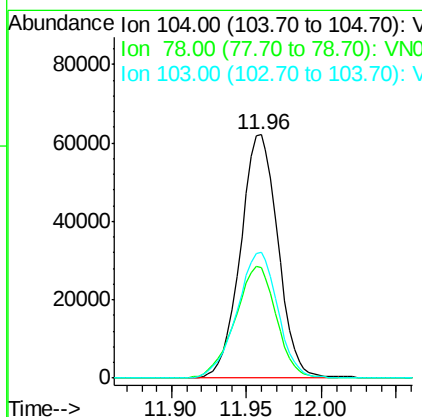
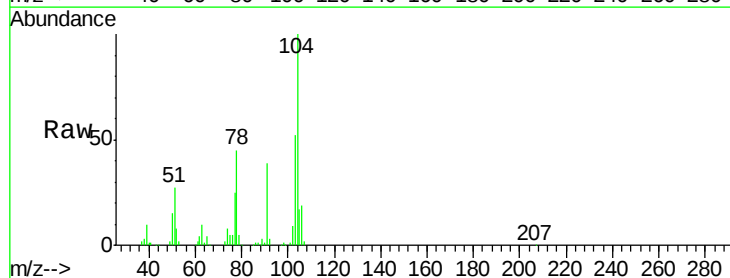
Manual Integrations
APPROVED

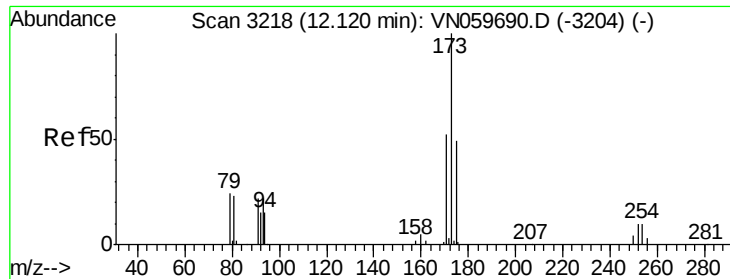
MMDadoda
2/7/2020 1:44:33 PM



#70
Styrene
Concen: 18.808 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN060008.D
Acq: 6 Feb 2020 11:15

Tgt Ion:104 Resp: 108172
Ion Ratio Lower Upper
104 100
78 50.4 42.4 63.6
103 56.4 43.9 65.9





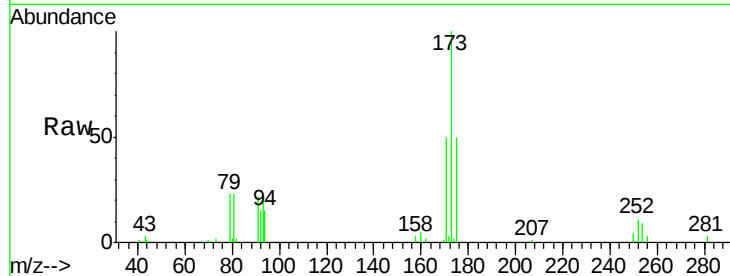
#71
Bromoform
Concen: 20.427 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. 0.00 min
Lab File: VN060008.D
Acq: 6 Feb 2020 11:15

Instrument :
MSVOA_N
ClientSampleId :
VN0206WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.1	23.8	71.4
254	0.0	0.0	0.0

Manual Integrations
APPROVED

MMDadoda
2/7/2020 1:44:33 PM

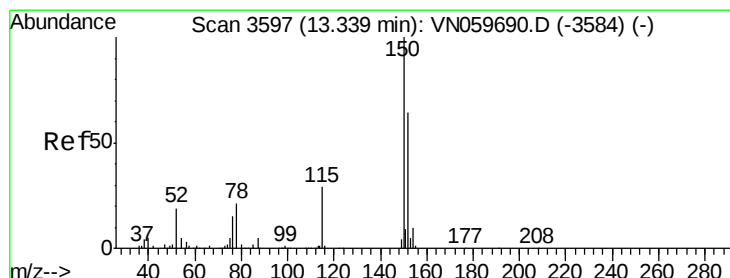
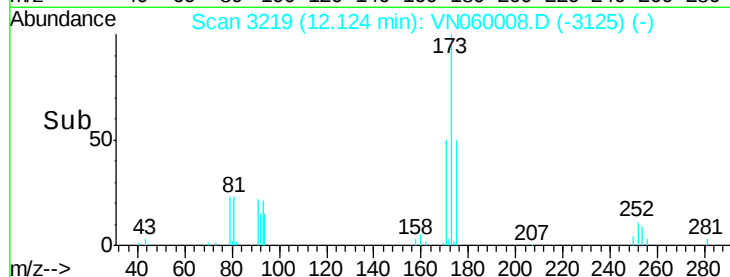
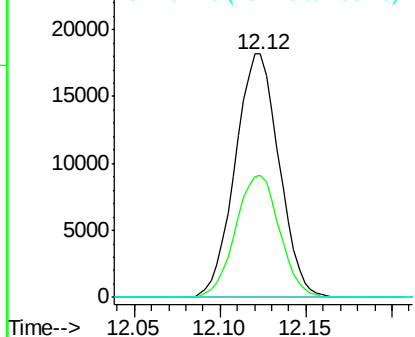


Abundance

Ion 172.70 (172.40 to 173.40): V

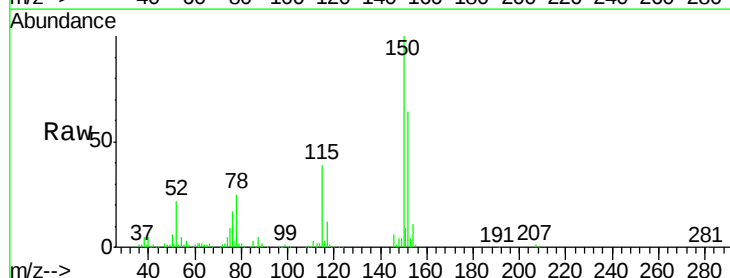
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN060008.D
Acq: 6 Feb 2020 11:15

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.9	30.3	90.9
150	163.2	0.0	345.2

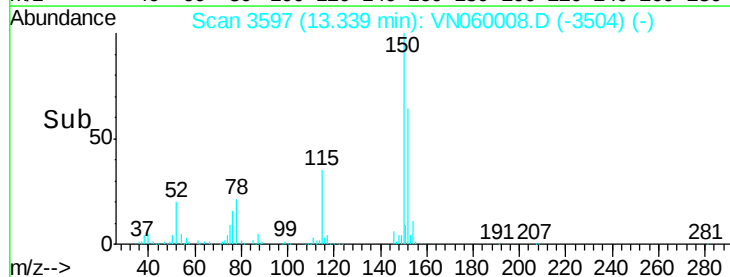
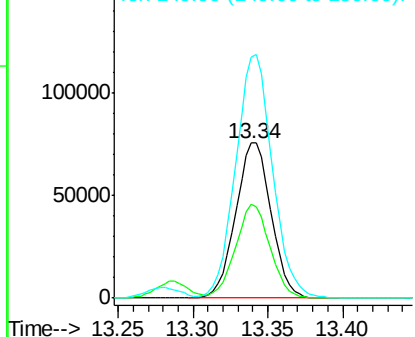


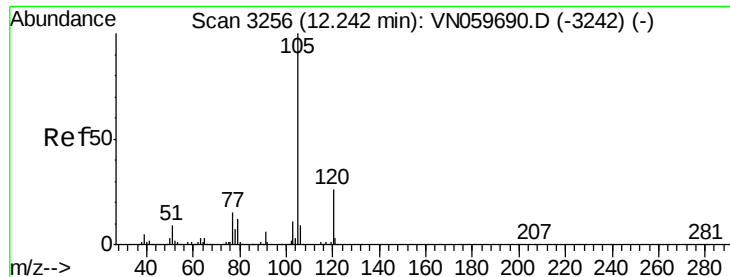
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.298 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN060008.D

Acq: 6 Feb 2020 11:15

Instrument :

MSVOA_N

ClientSampleId :

VN0206WBS01

Tot Ion: 105 Resp: 185432

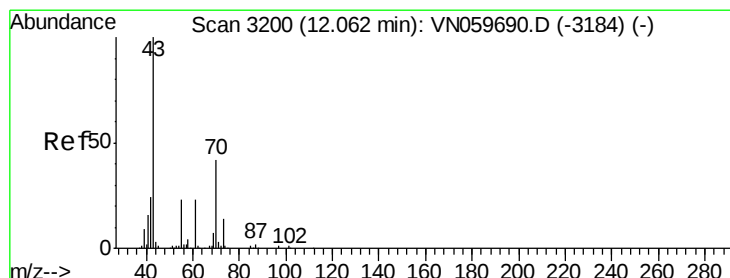
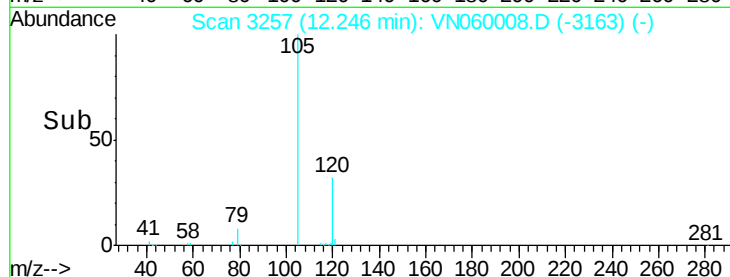
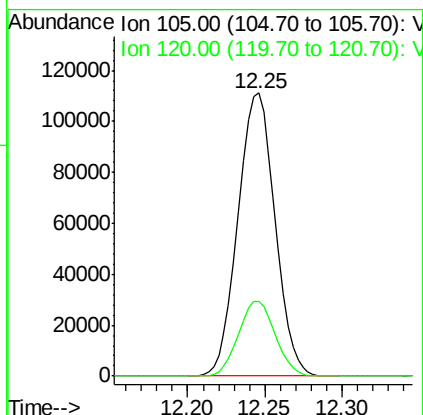
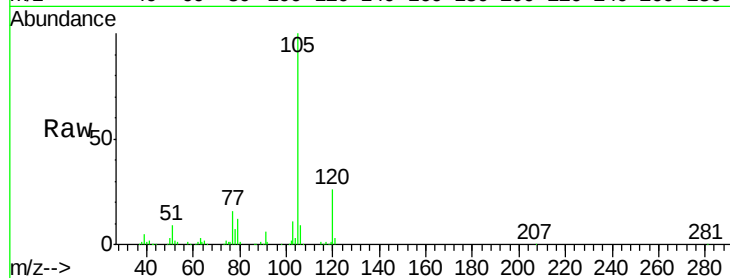
Ion Ratio Lower Upper

105 100

120 26.3 13.2 39.5

Manual Integrations
APPROVED

MMDadoda
2/7/2020 1:44:33 PM



#74

N-ethyl acetate

Concen: 19.180 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN060008.D

Acq: 6 Feb 2020 11:15

Tgt Ion: 43 Resp: 67989

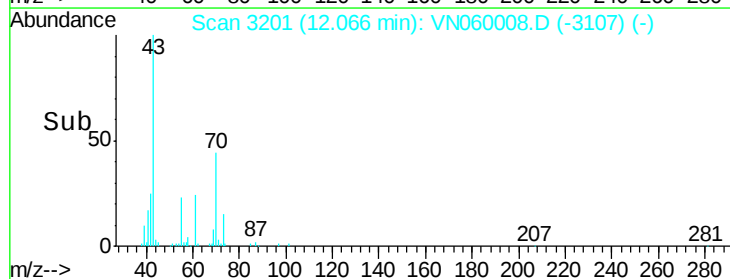
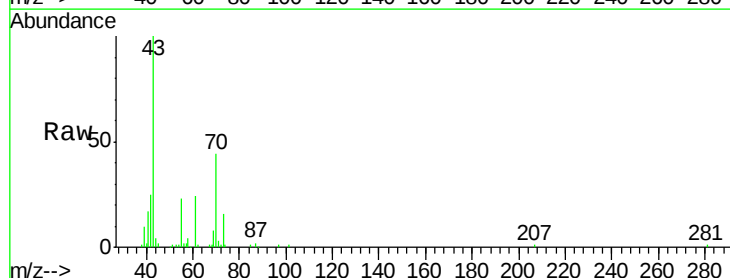
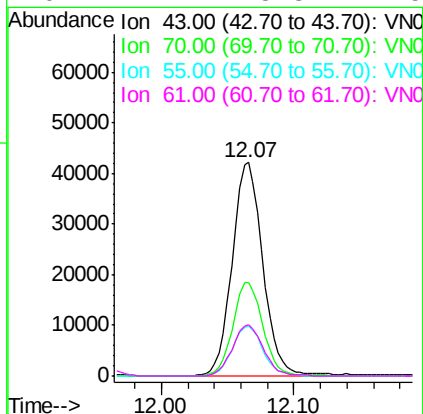
Ion Ratio Lower Upper

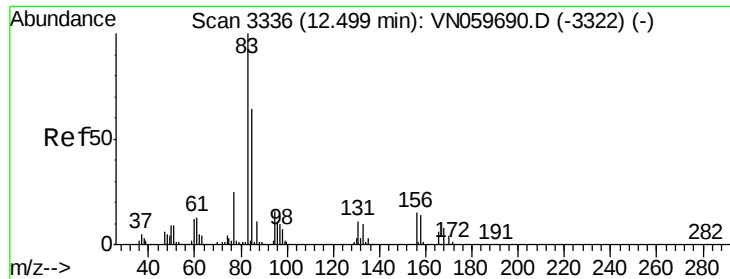
43 100

70 42.7 31.3 46.9

55 23.1 19.8 29.6

61 24.1 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 20.709 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060008.D

Acq: 6 Feb 2020 11:15

Instrument :

MSVOA_N

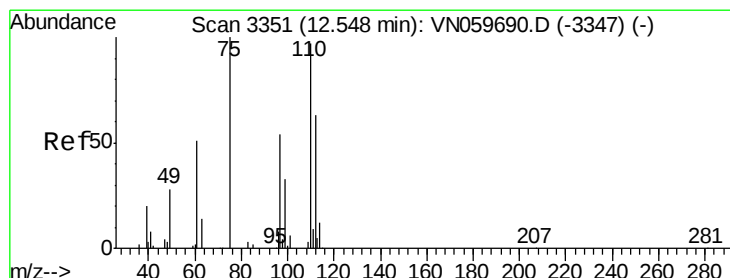
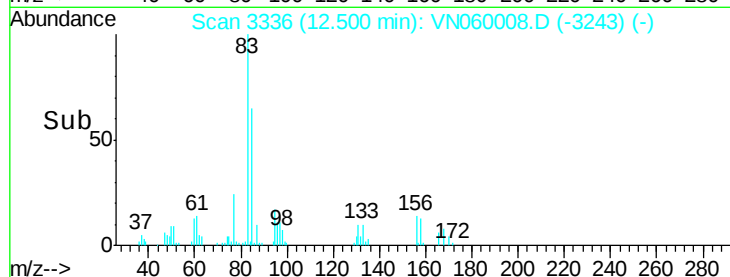
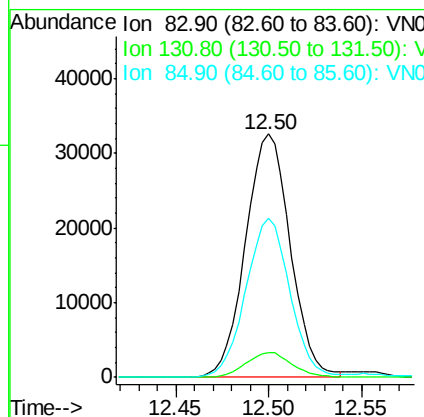
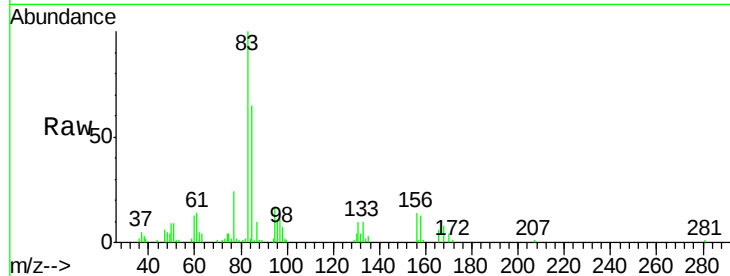
ClientSampleId :

VN0206WBS01

Tot Ion:	83	Resp:	54845
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.0	14.9
85	64.2	31.9	95.5

Manual Integrations
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2/7/2020 1:44:33 PM



#76

1,2,3-Trichloropropane

Concen: 22.790 ug/l m

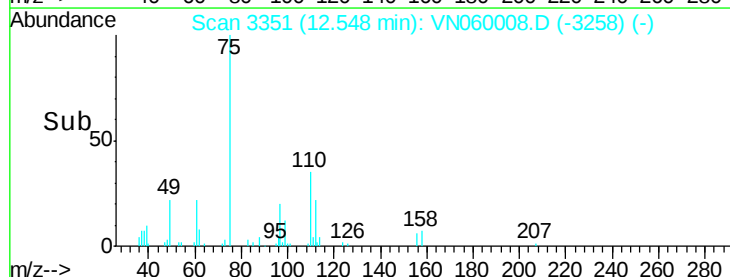
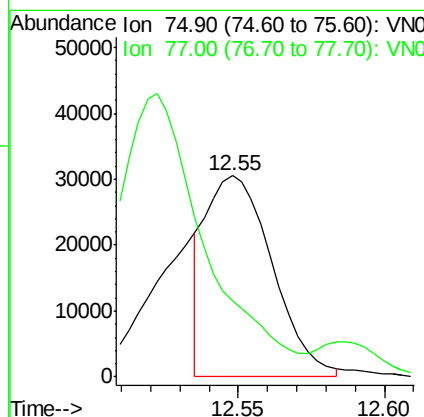
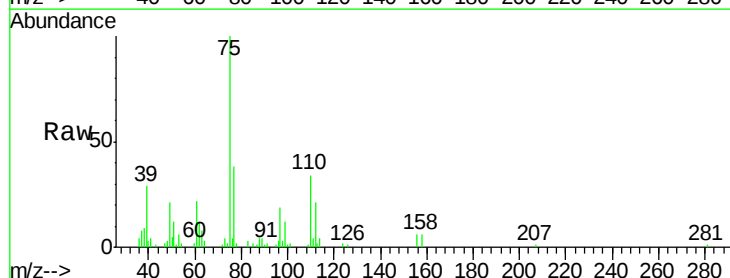
RT: 12.55 min Scan# 3351

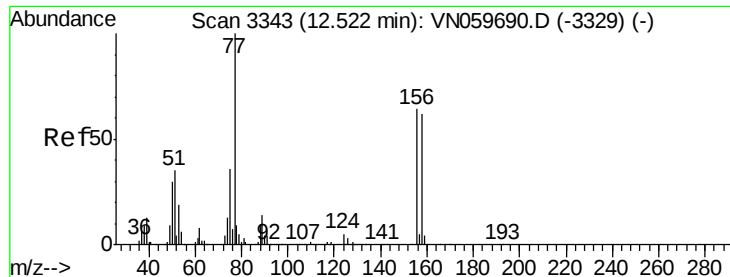
Delta R.T. 0.00 min

Lab File: VN060008.D

Acq: 6 Feb 2020 11:15

Tgt Ion:	75	Resp:	47773
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.891 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN060008.D

Acq: 6 Feb 2020 11:15

Instrument :

MSVOA_N

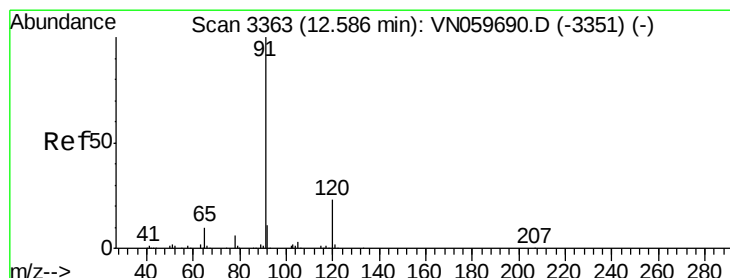
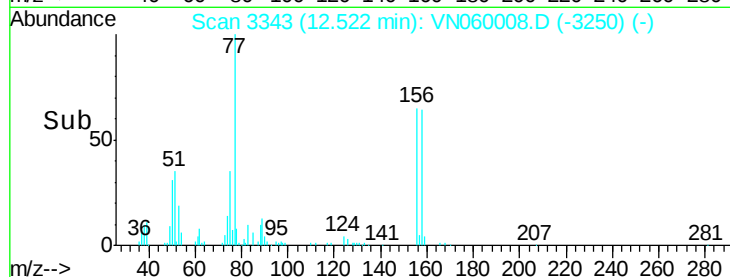
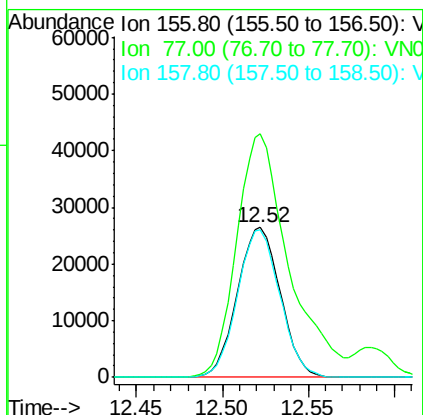
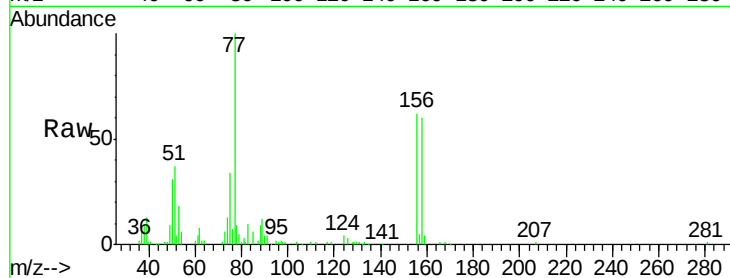
ClientSampleId :

VN0206WBS01

Tot Ion:	156	Resp:	46016
Ion	Ratio	Lower	Upper
156	100		
77	196.7	115.8	347.4
158	97.1	49.2	147.6

Manual Integrations
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2/7/2020 1:44:33 PM



#78

n-propylbenzene

Concen: 20.014 ug/l

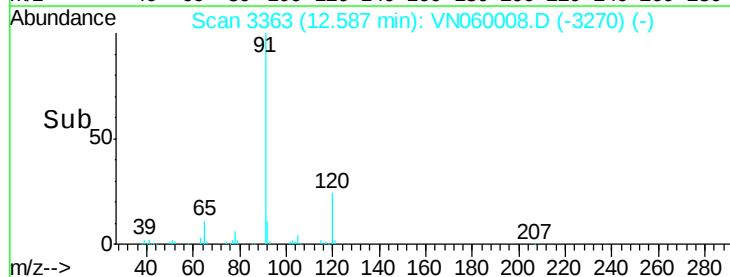
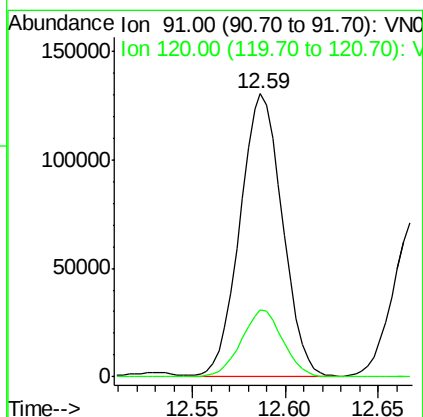
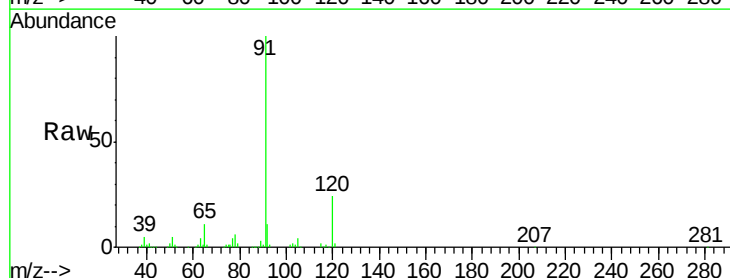
RT: 12.59 min Scan# 3363

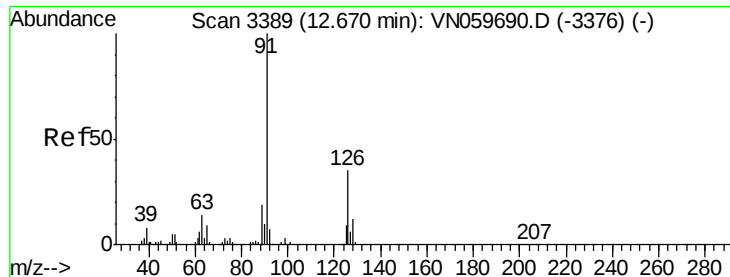
Delta R.T. 0.00 min

Lab File: VN060008.D

Acq: 6 Feb 2020 11:15

Tgt Ion:	91	Resp:	205211
Ion	Ratio	Lower	Upper
91	100		
120	23.3	11.1	33.3





#79

2-Chlorotoluene

Concen: 20.373 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN060008.D

Acq: 6 Feb 2020 11:15

Instrument :

MSVOA_N

ClientSampleId :

VN0206WBS01

Tot Ion: 91 Resp: 124272

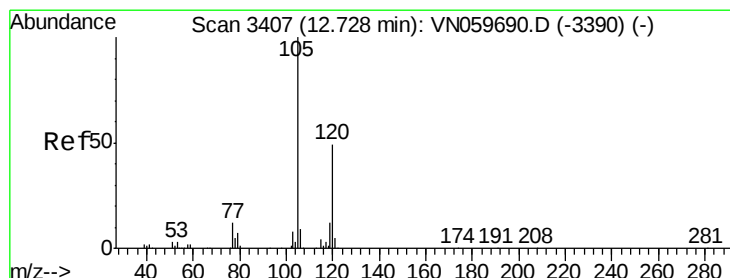
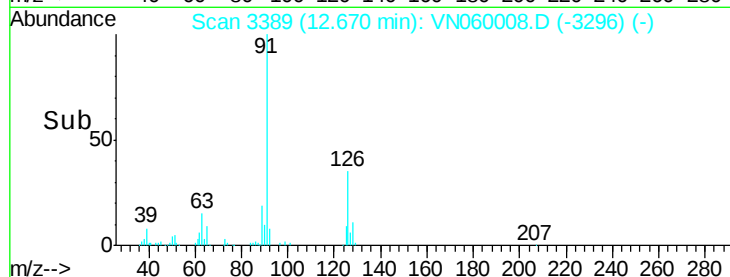
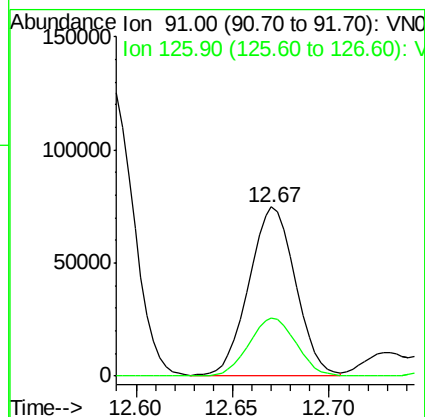
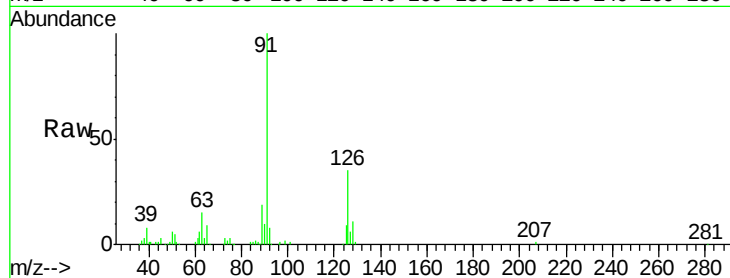
Ion Ratio Lower Upper

91 100

126 35.2 16.3 48.9

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 19.909 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN060008.D

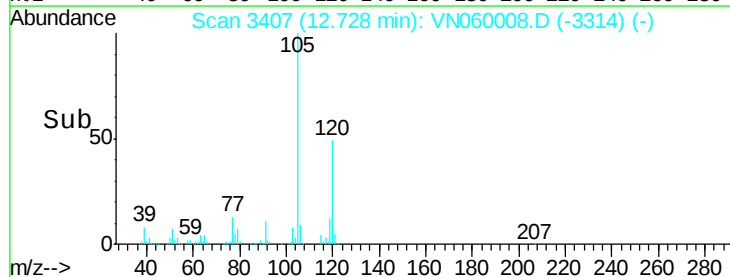
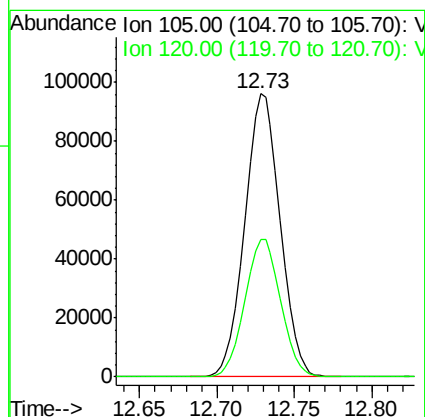
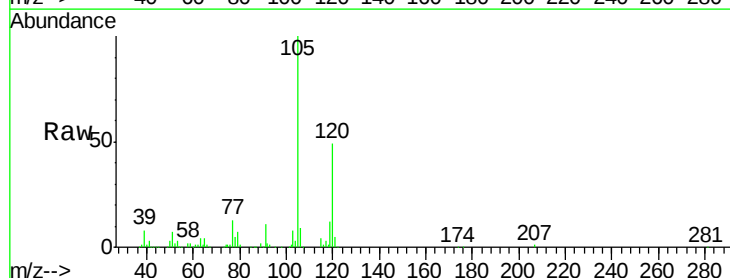
Acq: 6 Feb 2020 11:15

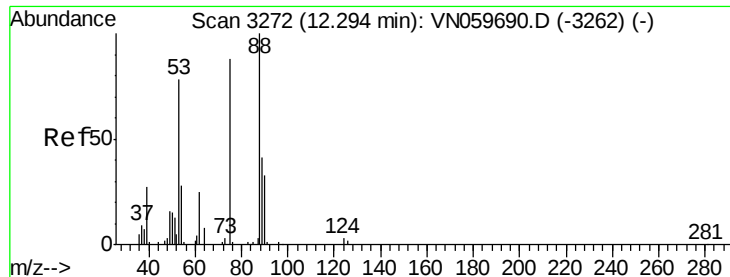
Tgt Ion: 105 Resp: 152955

Ion Ratio Lower Upper

105 100

120 49.2 24.1 72.4





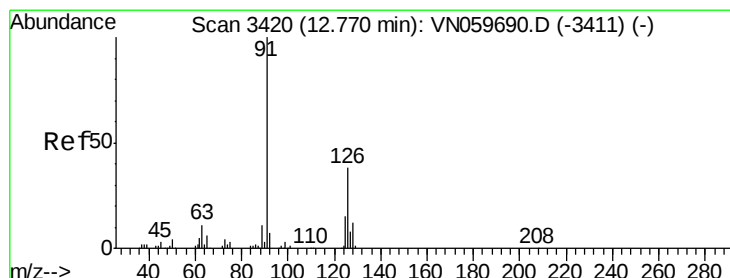
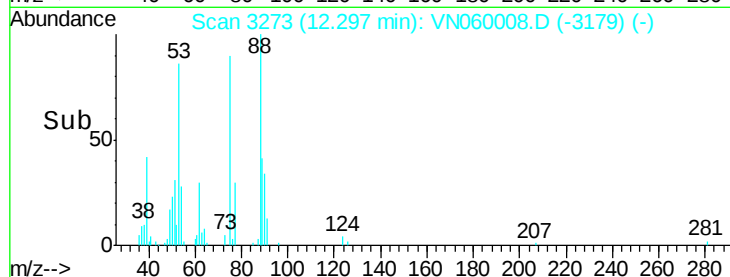
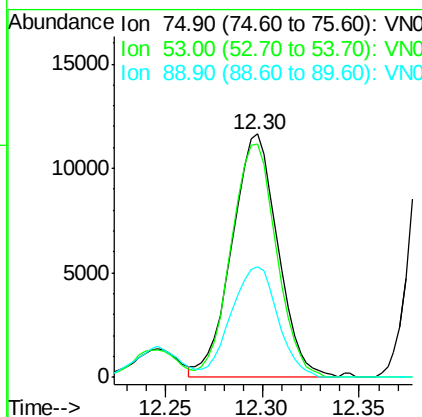
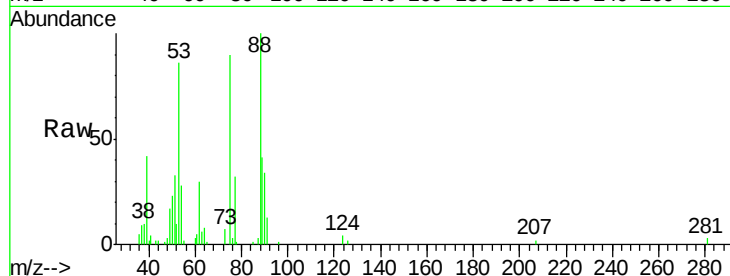
#81
trans-1,4-Dichloro-2-butene
Concen: 19.752 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. 0.00 min
Lab File: VN060008.D
Acq: 6 Feb 2020 11:15

Instrument :
MSVOA_N
ClientSampleId :
VN0206WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	94.4	78.1	117.1
89	46.0	35.4	53.2

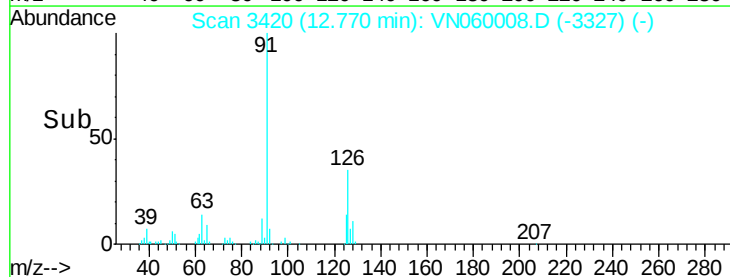
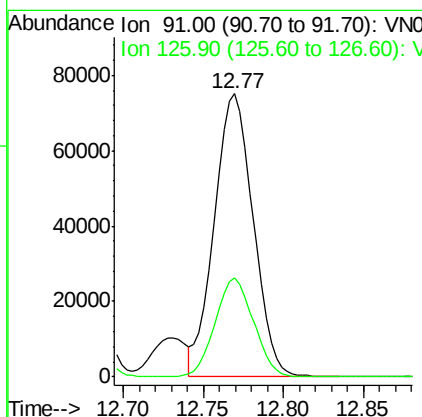
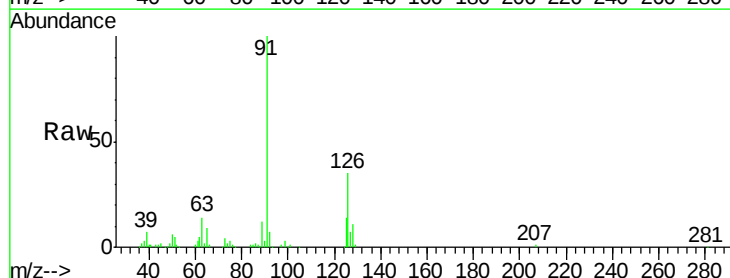
Manual Integrations
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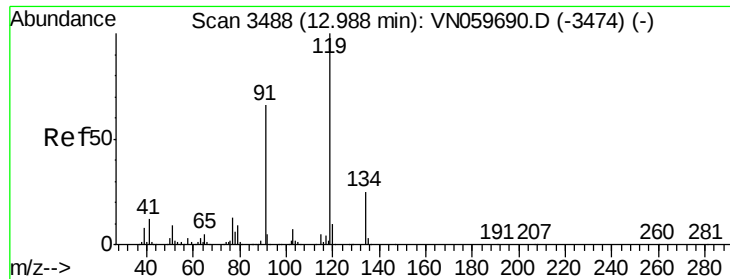
MMDadoda
2/7/2020 1:44:33 PM



#82
4-Chlorotoluene
Concen: 20.569 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN060008.D
Acq: 6 Feb 2020 11:15

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.4	16.3	48.8





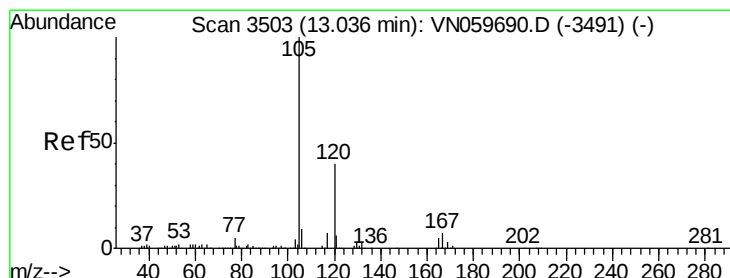
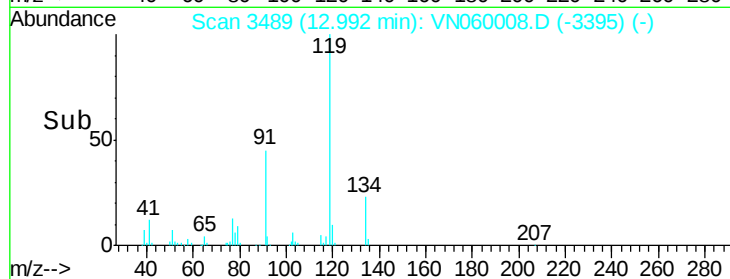
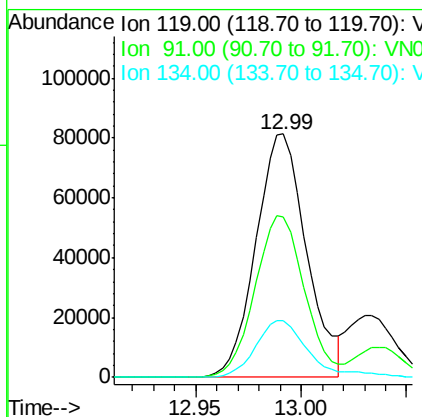
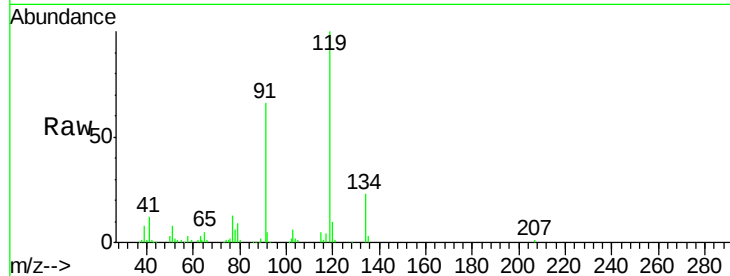
#83
tert-Butylbenzene
Concen: 20.450 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN060008.D
Acq: 6 Feb 2020 11:15

Instrument :
MSVOA_N
ClientSampled :
VN0206WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.8	34.8	104.4
134	24.5	12.3	36.9

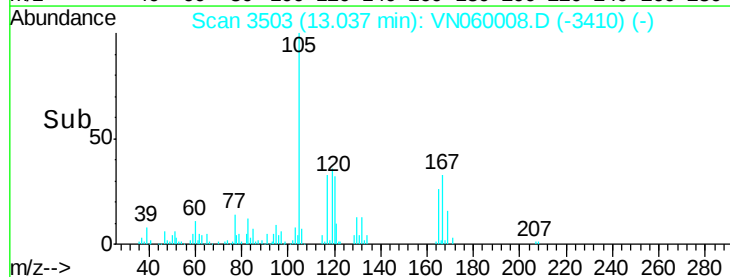
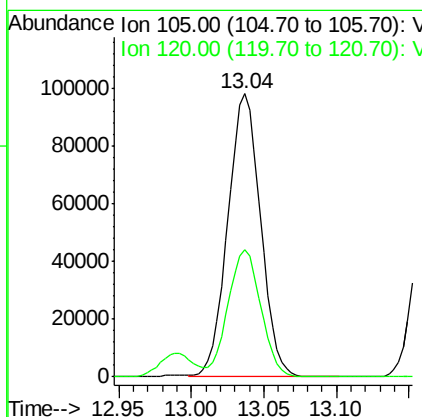
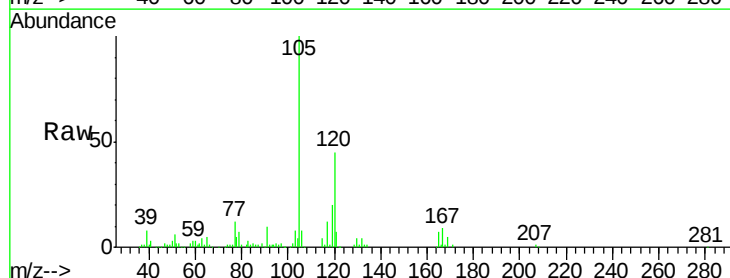
Manual Integrations
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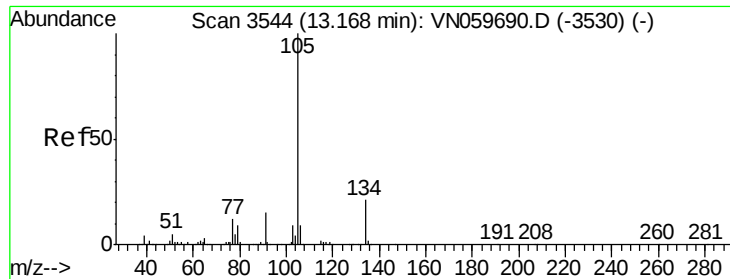
MMDadoda
2/7/2020 1:44:33 PM



#84
1,2,4-Trimethylbenzene
Concen: 20.260 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN060008.D
Acq: 6 Feb 2020 11:15

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.2	22.3	66.9





#85

sec-Butylbenzene

Concen: 20.351 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN060008.D

Acq: 6 Feb 2020 11:15

Instrument :

MSVOA_N

ClientSampleId :

VN0206WBS01

Tot Ion:105 Resp: 177669

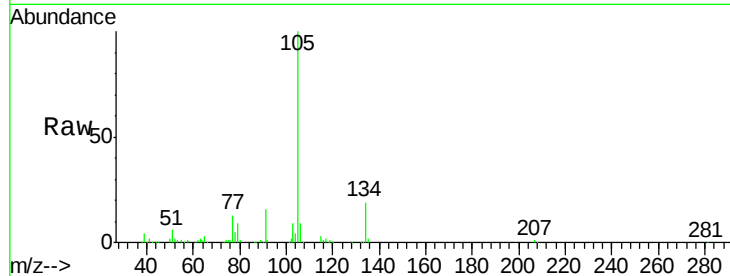
Ion Ratio Lower Upper

105 100

134 19.8 9.8 29.5

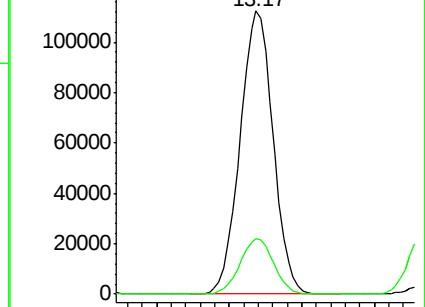
Manual Integrations
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2/7/2020 1:44:33 PM

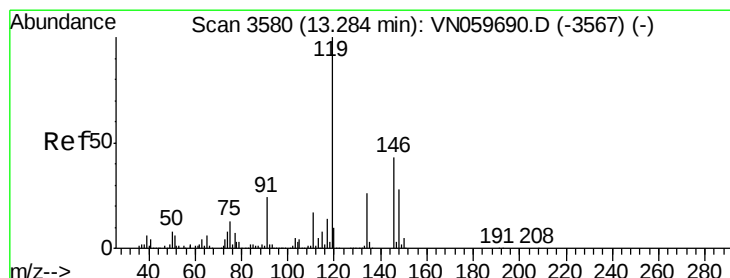
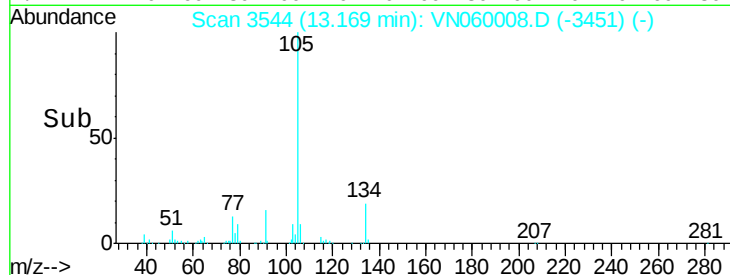


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#86

p-Isopropyltoluene

Concen: 19.783 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN060008.D

Acq: 6 Feb 2020 11:15

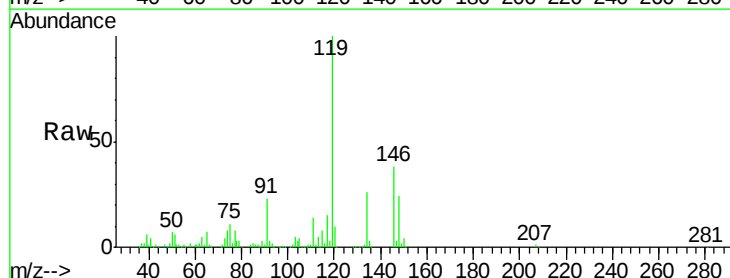
Tgt Ion:119 Resp: 159802

Ion Ratio Lower Upper

119 100

134 26.6 12.9 38.7

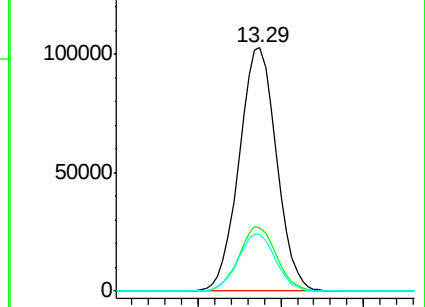
91 23.7 12.4 37.4



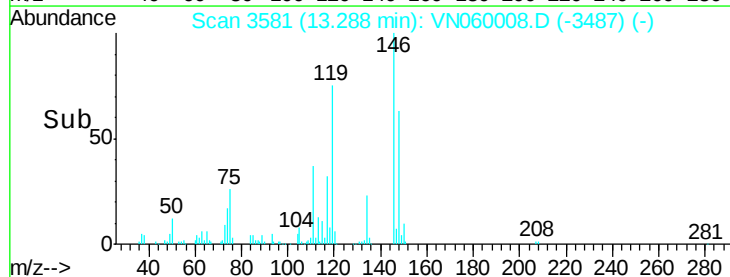
Abundance Ion 119.00 (118.70 to 119.70): V

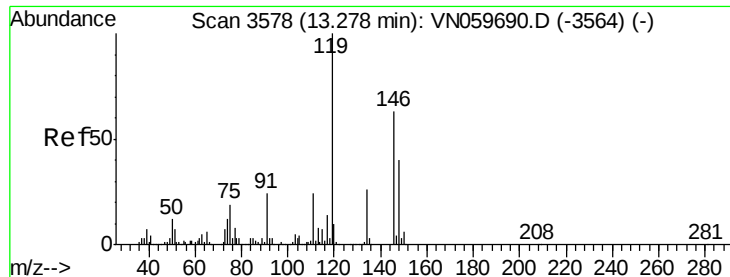
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



Time-->





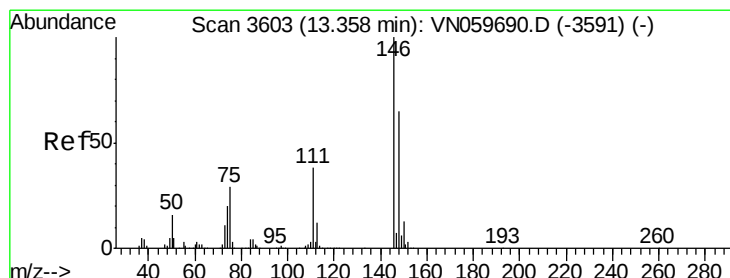
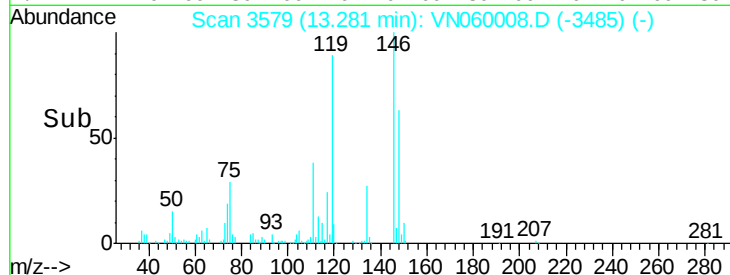
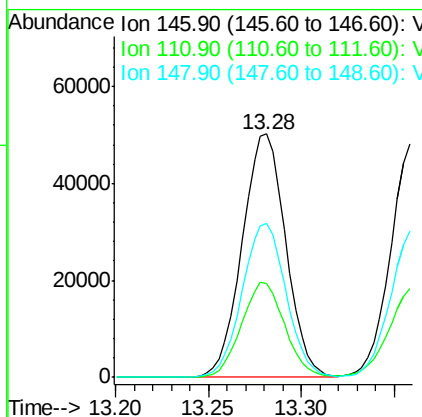
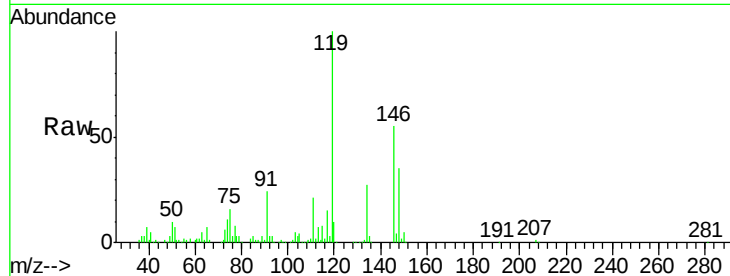
#87
 1,3-Dichlorobenzene
 Concen: 20.500 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN060008.D
 Acq: 6 Feb 2020 11:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0206WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	20.8	62.2
148	63.8	32.0	96.0

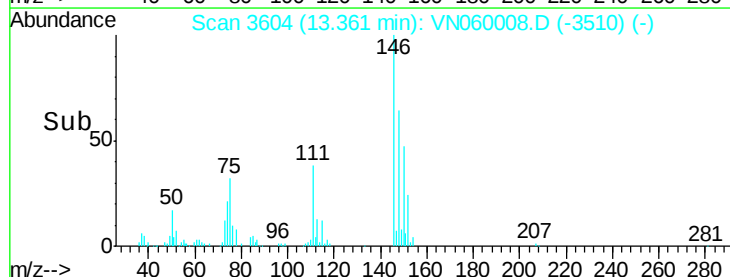
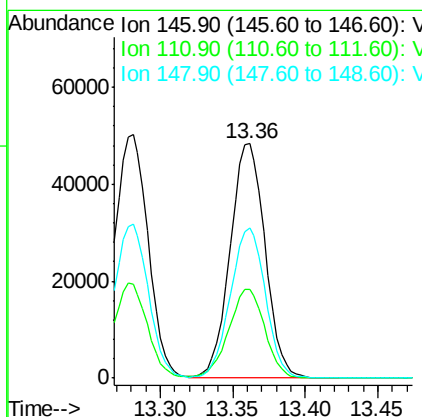
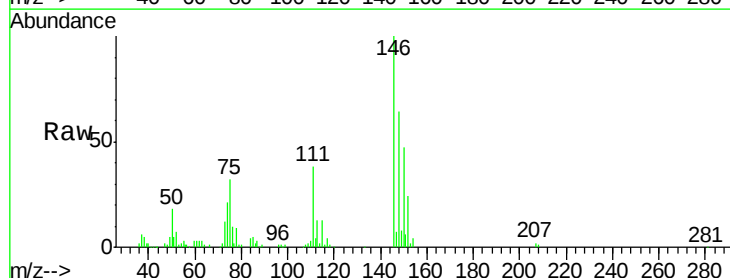
Manual Integrations
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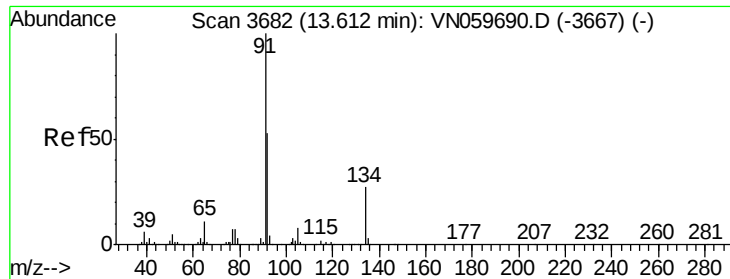
MMDadoda
 2/7/2020 1:44:33 PM



#88
 1,4-Dichlorobenzene
 Concen: 20.221 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN060008.D
 Acq: 6 Feb 2020 11:15

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.2	20.8	62.2
148	64.4	31.8	95.4





#89

n-Butylbenzene

Concen: 20.102 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN060008.D

Acq: 6 Feb 2020 11:15

Instrument :

MSVOA_N

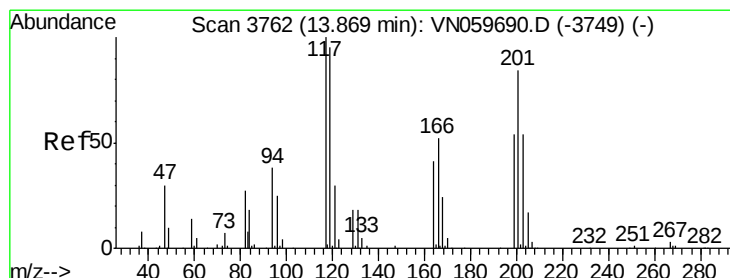
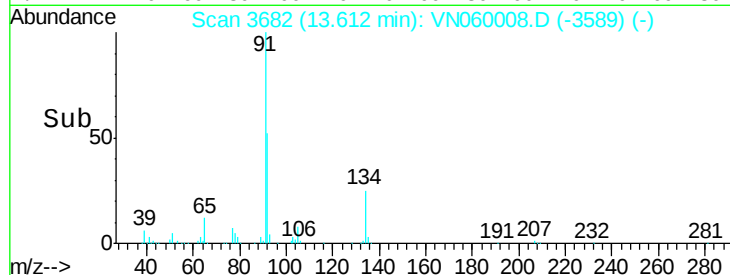
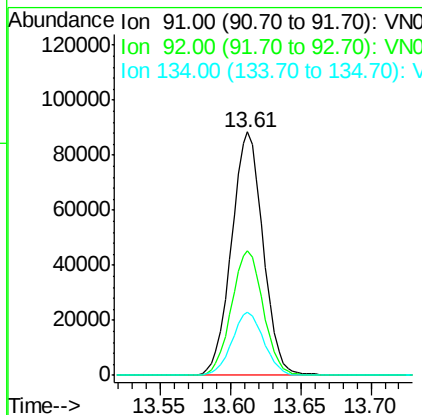
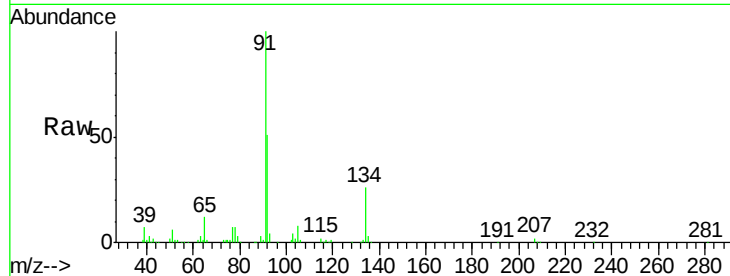
ClientSampleId :

VN0206WBS01

Tot Ion:	91	Resp:	138453
Ion Ratio	Lower	Upper	
91	100		
92	51.5	25.9	77.7
134	26.1	12.3	36.8

Manual Integrations
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2/7/2020 1:44:33 PM



#90

Hexachloroethane

Concen: 20.219 ug/l

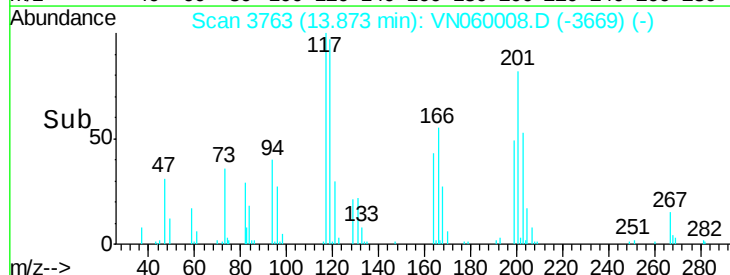
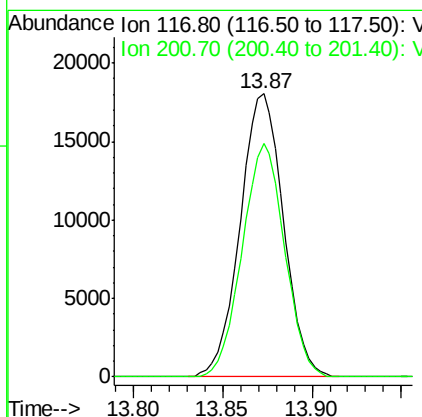
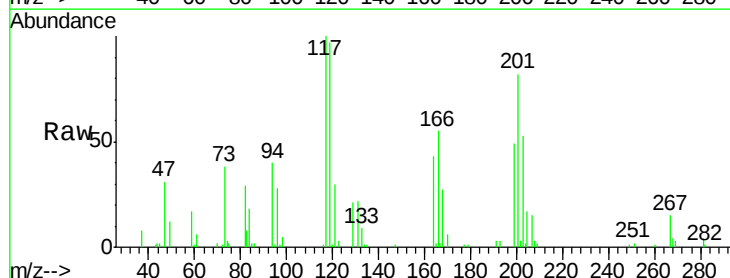
RT: 13.87 min Scan# 3763

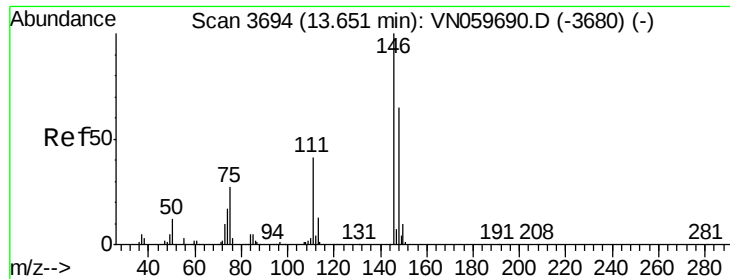
Delta R.T. 0.00 min

Lab File: VN060008.D

Acq: 6 Feb 2020 11:15

Tgt Ion:	117	Resp:	30558
Ion Ratio	Lower	Upper	
117	100		
201	80.6	37.8	113.4





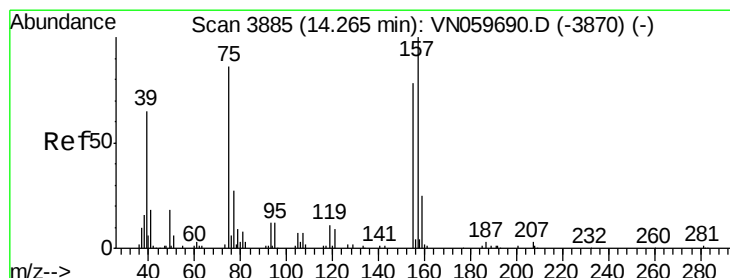
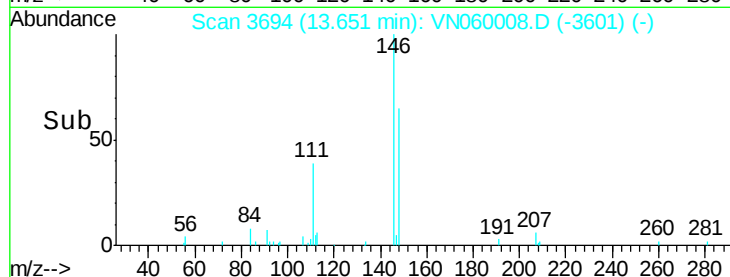
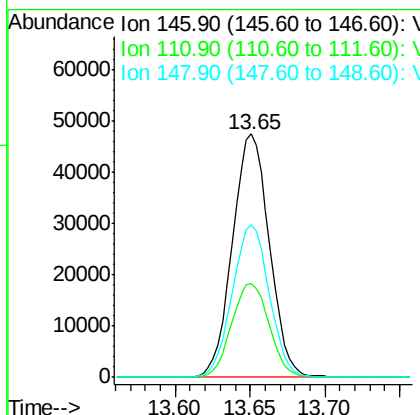
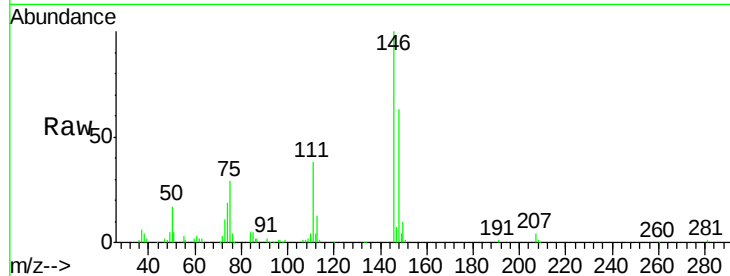
#91
 1,2-Dichlorobenzene
 Concen: 20.496 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN060008.D
 Acq: 6 Feb 2020 11:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0206WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	21.6	64.8
148	63.0	31.6	95.0

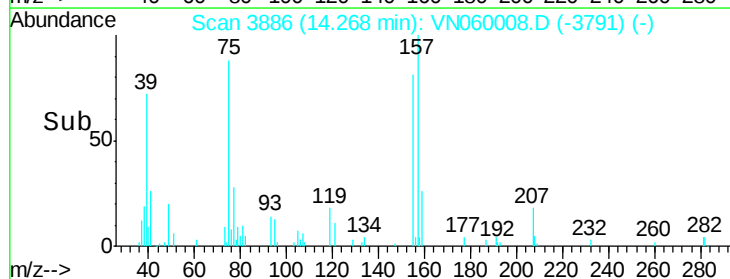
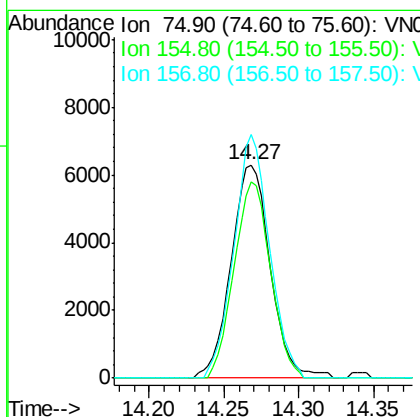
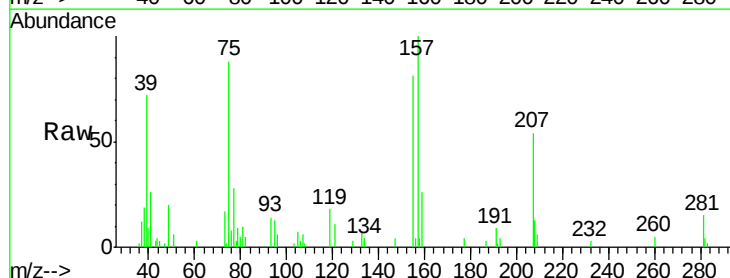
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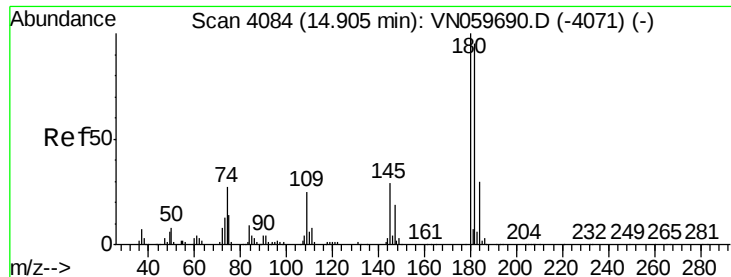
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.919 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN060008.D
 Acq: 6 Feb 2020 11:15

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.5	37.0	110.9
157	103.2	48.4	145.2





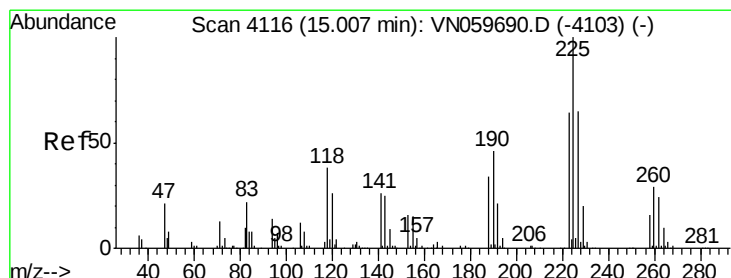
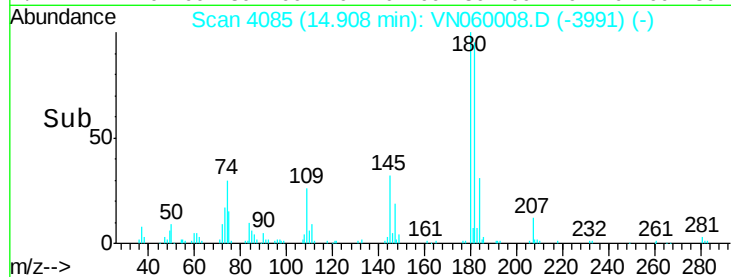
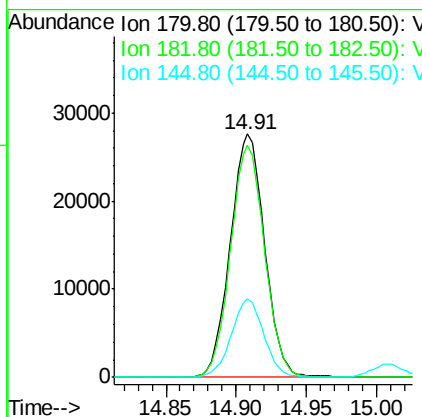
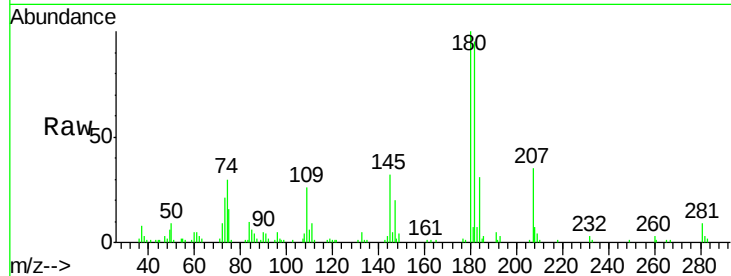
#93
 1,2,4-Trichlorobenzene
 Concen: 19.754 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060008.D
 Acq: 6 Feb 2020 11:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0206WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	47155		
182	94.2	46.9	140.7	
145	30.5	15.0	45.1	

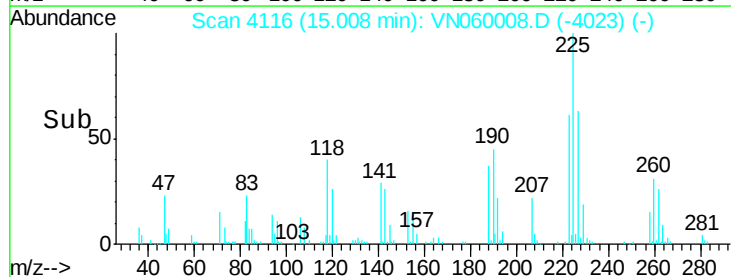
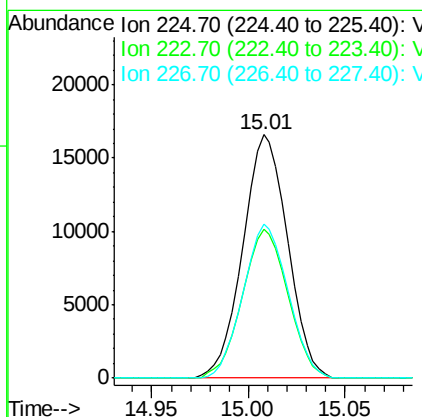
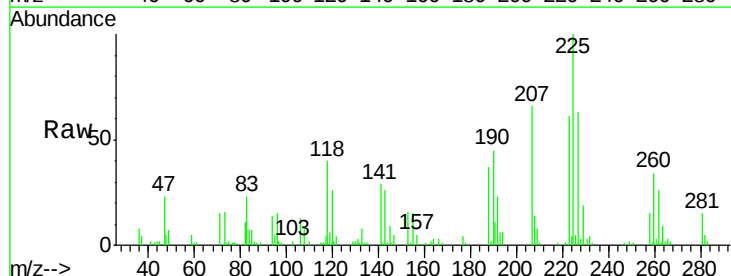
Manual Integrations
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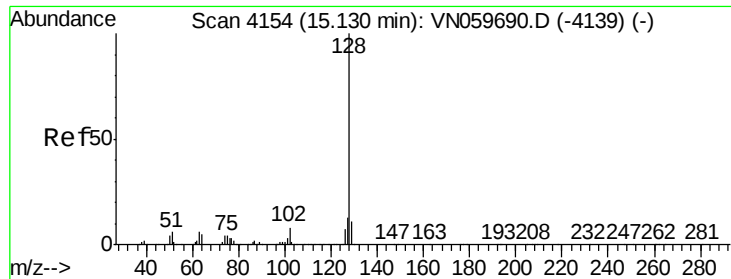
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#94
 Hexachlorobutadiene
 Concen: 20.334 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060008.D
 Acq: 6 Feb 2020 11:15

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	26749		
223	62.2	31.8	95.3	
227	63.3	32.1	96.5	





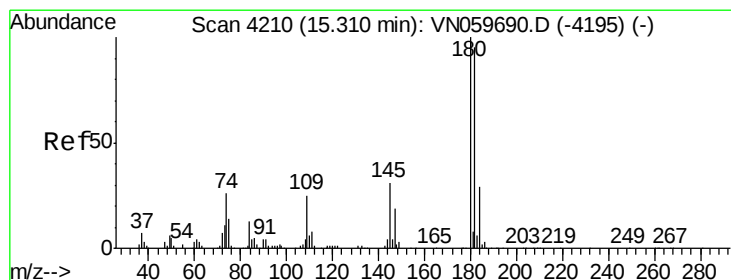
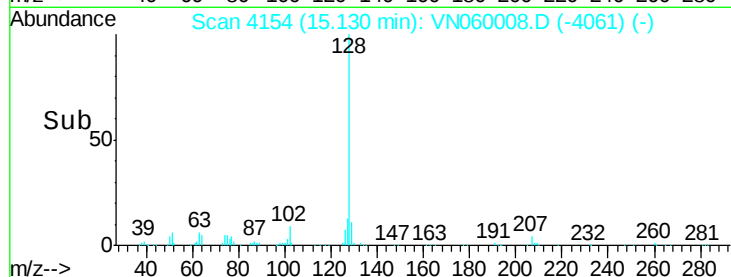
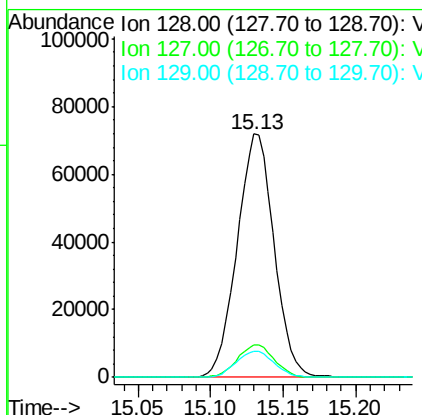
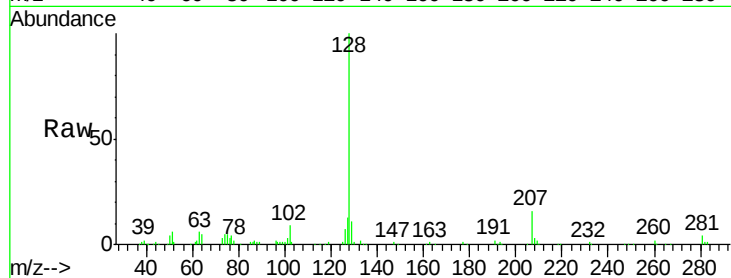
#95
Naphthalene
Concen: 18.753 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060008.D
Acq: 6 Feb 2020 11:15

Instrument :
MSVOA_N
ClientSampleId :
VN0206WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.4	15.6
129	10.9	8.6	12.8

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 20.551 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN060008.D
Acq: 6 Feb 2020 11:15

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.0	47.4	142.3
145	30.5	16.3	48.9

