

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041620\
 Data File : VN061013.D
 Acq On : 16 Apr 2020 15:49
 Operator : JC/MD
 Sample : VN0416WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0416WBS01

Manual Integrations
 APPROVED

MMDadoda
 4/17/2020 11:53:30 AM

Quant Time: Apr 17 04:19:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041620W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 17 03:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	172722	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	287446	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	257966	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	116665	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	99691	45.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.22%	
35) Dibromofluoromethane	7.56	113	78798	46.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.88%	
50) Toluene-d8	10.08	98	282218	44.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.98%	
62) 4-Bromofluorobenzene	12.39	95	110573	44.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	42989	19.058	ug/l	98
3) Chloromethane	2.04	50	55725	18.191	ug/l	97
4) Vinyl Chloride	2.17	62	46716	18.351	ug/l	99
5) Bromomethane	2.55	94	24558	19.236	ug/l	100
6) Chloroethane	2.69	64	28240	19.230	ug/l	98
7) Trichlorofluoromethane	3.00	101	60938	19.227	ug/l	100
8) Diethyl Ether	3.38	74	23616	18.748	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	34990	18.817	ug/l	98
10) Methyl Iodide	3.93	142	33229	20.256	ug/l	99
11) Tert butyl alcohol	4.72	59	31653	80.729	ug/l	98
12) 1,1-Dichloroethene	3.72	96	35606	18.838	ug/l	95
13) Acrolein	3.57	56	25535	77.132	ug/l	99
14) Allyl chloride	4.29	41	64575	18.057	ug/l	99
15) Acrylonitrile	4.94	53	94135	88.548	ug/l	100
16) Acetone	3.78	43	88838	91.334	ug/l	99
17) Carbon Disulfide	4.03	76	109231	18.468	ug/l	99
18) Methyl Acetate	4.28	43	53971	17.695	ug/l	98
19) Methyl tert-butyl Ether	5.00	73	122366	18.567	ug/l	99
20) Methylene Chloride	4.52	84	39214	18.465	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	37470	18.535	ug/l	98
22) Diisopropyl ether	5.91	45	137266	18.481	ug/l	99
23) Vinyl Acetate	5.85	43	529361	90.886	ug/l	100
24) 1,1-Dichloroethane	5.81	63	75224	18.752	ug/l	99
25) 2-Butanone	6.79	43	128477	86.198	ug/l	100
26) 2,2-Dichloropropane	6.79	77	64272	19.242	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	43223	18.623	ug/l	100
28) Bromochloromethane	7.16	49	35410	19.230	ug/l	97
29) Tetrahydrofuran	7.18	42	85988	84.978	ug/l	99
30) Chloroform	7.34	83	70715	18.899	ug/l	98
31) Cyclohexane	7.63	56	74189	18.022	ug/l	95
32) 1,1,1-Trichloroethane	7.54	97	61209	18.912	ug/l	99
36) 1,1-Dichloropropene	7.77	75	56180	18.940	ug/l	100
37) Ethyl Acetate	6.89	43	55230	17.148	ug/l	100
38) Carbon Tetrachloride	7.75	117	47325	19.168	ug/l	95

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MMDadoda
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	66807	18.839	ug/l	97
40) Benzene	8.02	78	164679	18.714	ug/l	100
41) Methacrylonitrile	7.14	41	26460	19.696	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	57456	19.167	ug/l	100
43) Isopropyl Acetate	8.14	43	94041	17.953	ug/l	99
44) Trichloroethene	8.82	130	41491	18.765	ug/l	99
45) 1,2-Dichloropropane	9.10	63	44403	18.682	ug/l	97
46) Dibromomethane	9.19	93	26438	19.293	ug/l	99
47) Bromodichloromethane	9.38	83	54334	18.768	ug/l	99
48) Methyl methacrylate	9.18	41	41355	17.865	ug/l	98
49) 1,4-Dioxane	9.18	88	10612	339.356	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	267811	88.689	ug/l	100
52) Toluene	10.14	92	99083	18.769	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	63616	18.918	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	69707	18.999	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	37348	18.695	ug/l	97
56) Ethyl methacrylate	10.42	69	57480	18.297	ug/l	99
57) 1,3-Dichloropropane	10.69	76	66630	18.698	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	118907	83.299	ug/l	99
59) 2-Hexanone	10.74	43	188551	86.582	ug/l	99
60) Dibromochloromethane	10.89	129	38432	18.727	ug/l	100
61) 1,2-Dibromoethane	10.99	107	37777	18.557	ug/l	99
64) Tetrachloroethene	10.62	164	38337	19.421	ug/l	98
65) Chlorobenzene	11.42	112	99148	18.618	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	36250	19.026	ug/l	99
67) Ethyl Benzene	11.50	91	189845	18.952	ug/l	99
68) m/p-Xylenes	11.61	106	138933	38.377	ug/l	99
69) o-Xylene	11.94	106	65855	18.920	ug/l	99
70) Styrene	11.96	104	106765	19.053	ug/l	99
71) Bromoform	12.12	173	26375	18.546	ug/l #	99
73) Isopropylbenzene	12.24	105	179468	19.201	ug/l	100
74) N-amyl acetate	12.06	43	76923	17.698	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	52818	18.512	ug/l	99
76) 1,2,3-Trichloropropane	12.54	75	49724m	19.377	ug/l	
77) Bromobenzene	12.52	156	41655	19.088	ug/l	96
78) n-propylbenzene	12.58	91	212660	19.447	ug/l	100
79) 2-Chlorotoluene	12.67	91	124616	19.430	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	150270	19.451	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	17962	17.265	ug/l	99
82) 4-Chlorotoluene	12.77	91	127753	19.206	ug/l	99
83) tert-Butylbenzene	12.99	119	126441	19.461	ug/l	100
84) 1,2,4-Trimethylbenzene	13.03	105	151144	19.792	ug/l	99
85) sec-Butylbenzene	13.17	105	171051	19.430	ug/l	100
86) p-Isopropyltoluene	13.28	119	154370	19.692	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	73298	18.847	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	71485	18.271	ug/l	97
89) n-Butylbenzene	13.61	91	139818	19.180	ug/l	100
90) Hexachloroethane	13.87	117	22733	18.902	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	70267	18.930	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	10118	18.324	ug/l	94

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ClientSampleId :
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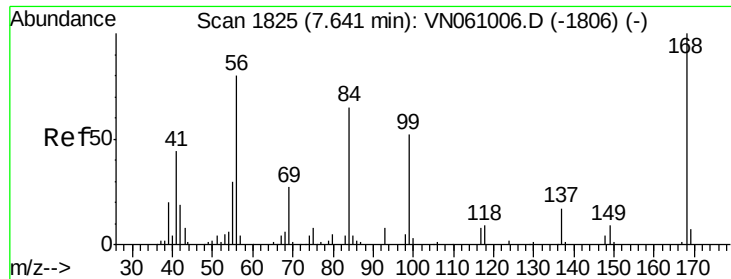
Manual Integrations
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4/17/2020 11:53:30 AM

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QLast Update : Fri Apr 17 03:49:39 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	41255	18.778	ug/l	99
94) Hexachlorobutadiene	15.00	225	21860	19.342	ug/l	99
95) Naphthalene	15.13	128	114277	17.836	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	39636	18.721	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.00 min

Lab File: VN061013.D

Acq: 16 Apr 2020 15:49

Instrument :

MSVOA_N

ClientSampleId :

VN0416WBS01

Tot Ion:168 Resp: 172722

Ion Ratio Lower Upper

168 100

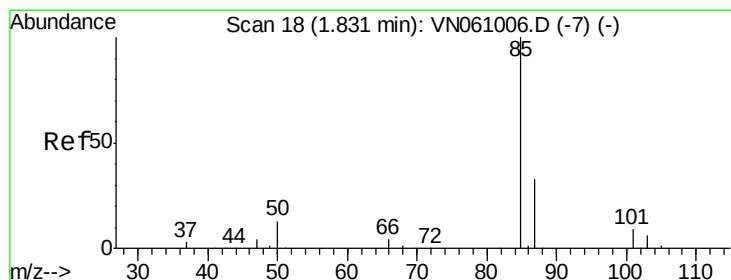
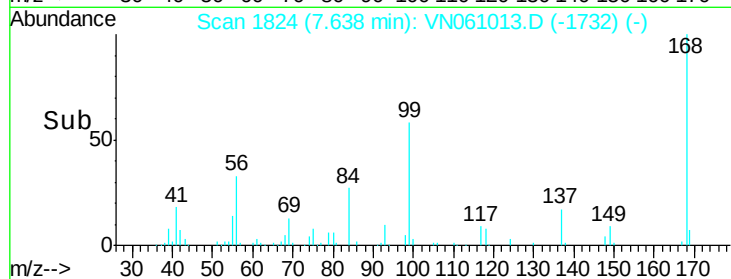
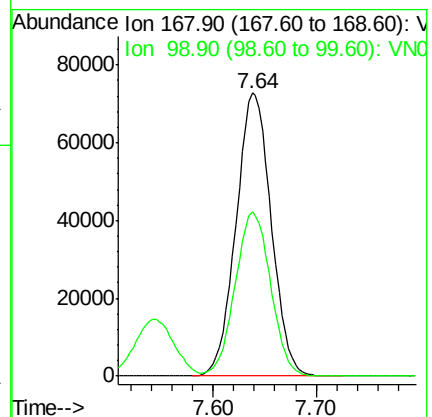
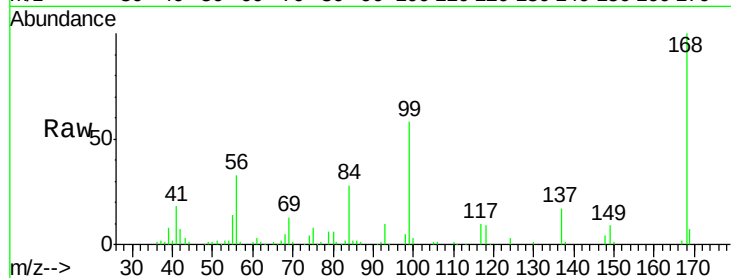
99 58.0 47.4 71.2

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 19.058 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061013.D

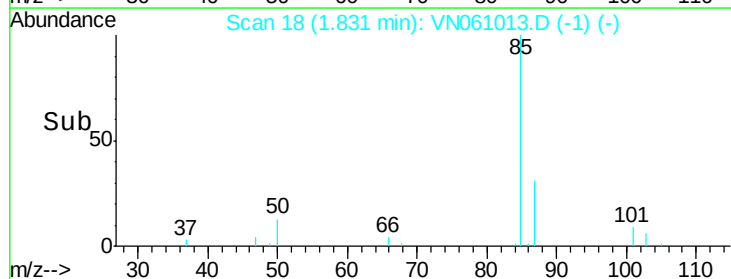
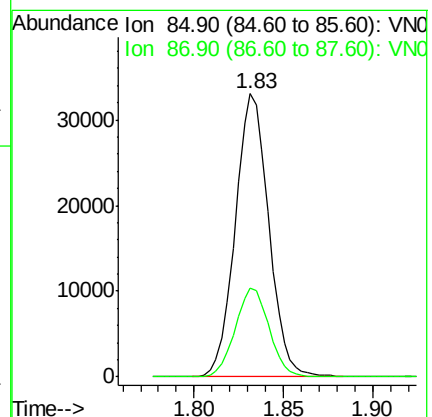
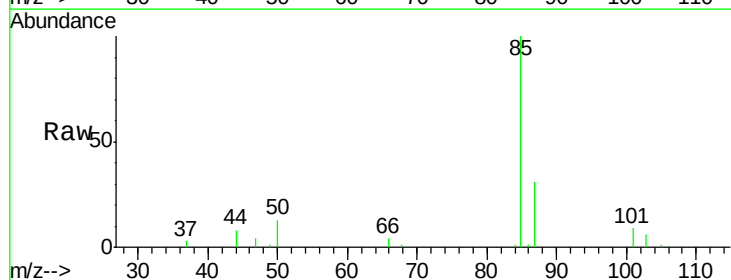
Acq: 16 Apr 2020 15:49

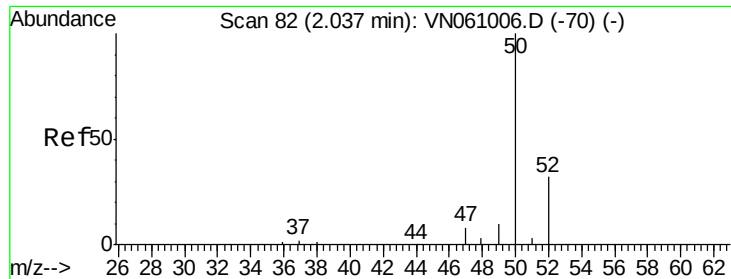
Tgt Ion: 85 Resp: 42989

Ion Ratio Lower Upper

85 100

87 31.2 16.3 48.9





#3

Chloromethane

Concen: 18.191 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN061013.D

Acq: 16 Apr 2020 15:49

Instrument :

MSVOA_N

ClientSampleId :

VN0416WBS01

Tot Ion: 50 Resp: 55725

Ion Ratio Lower Upper

50 100

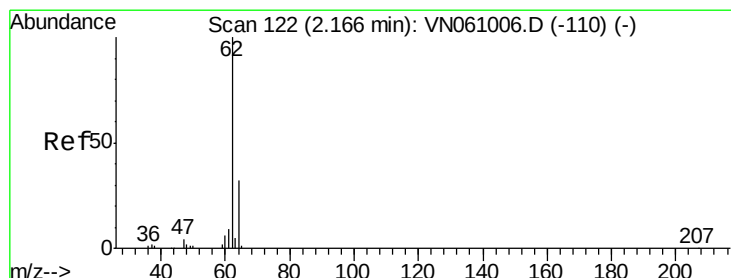
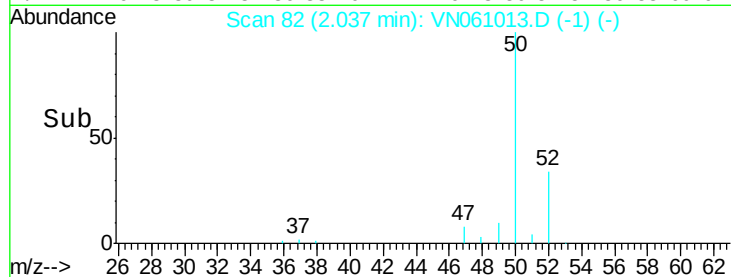
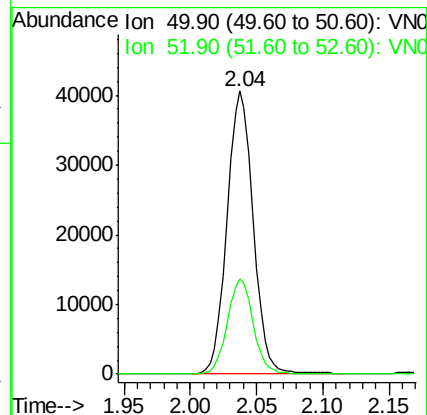
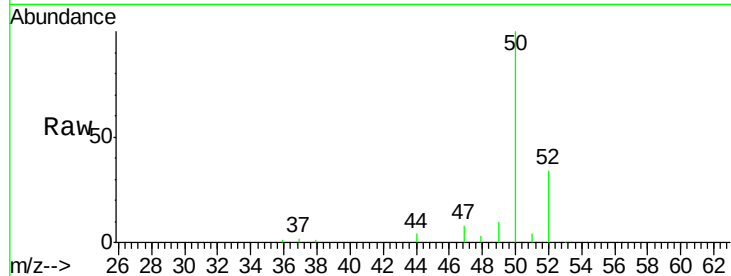
52 33.8 25.6 38.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.351 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN061013.D

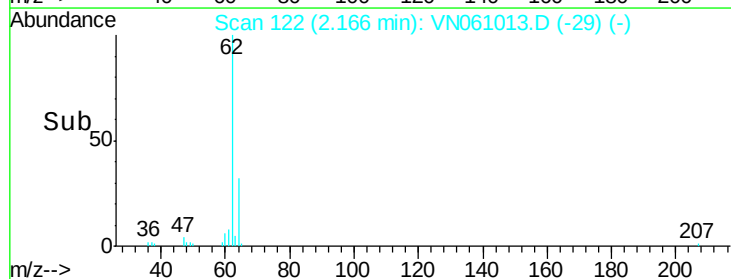
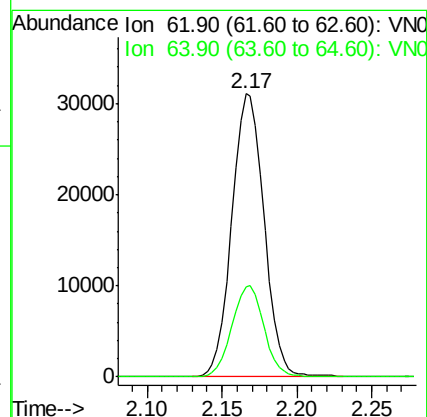
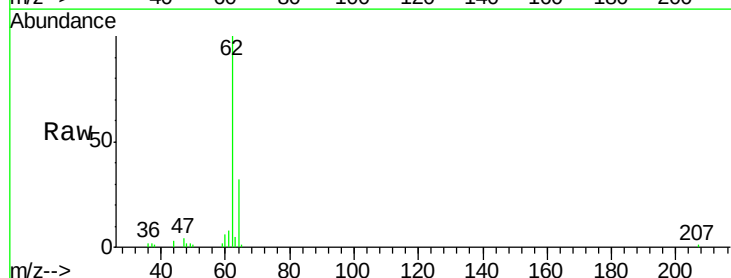
Acq: 16 Apr 2020 15:49

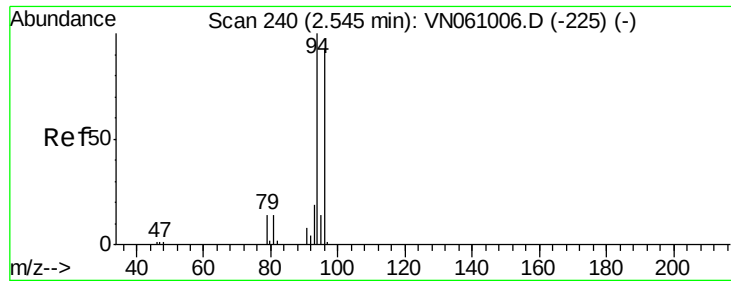
Tgt Ion: 62 Resp: 46716

Ion Ratio Lower Upper

62 100

64 32.1 25.4 38.0





#5

Bromomethane

Concen: 19.236 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.00 min

Lab File: VN061013.D

Acq: 16 Apr 2020 15:49

Instrument :

MSVOA_N

ClientSampleId :

VN0416WBS01

Tot Ion: 94 Resp: 24558

Ion Ratio Lower Upper

94 100

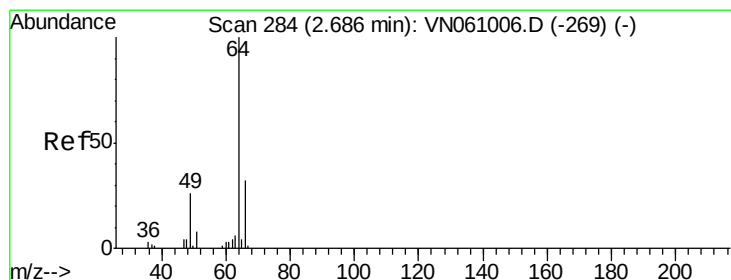
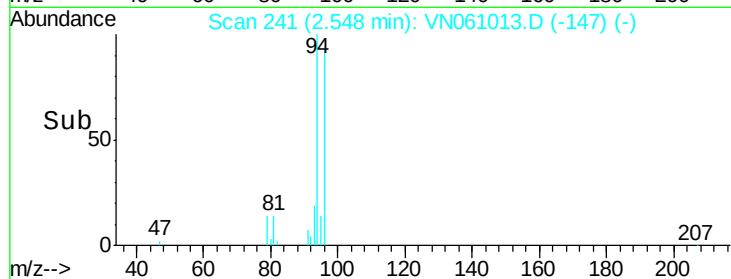
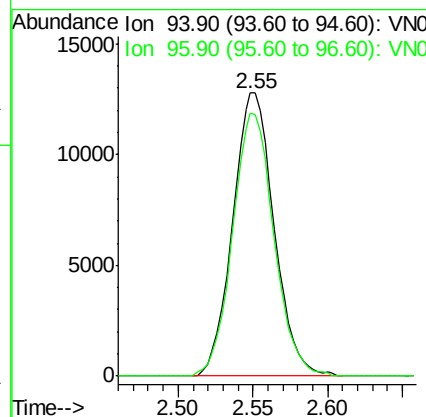
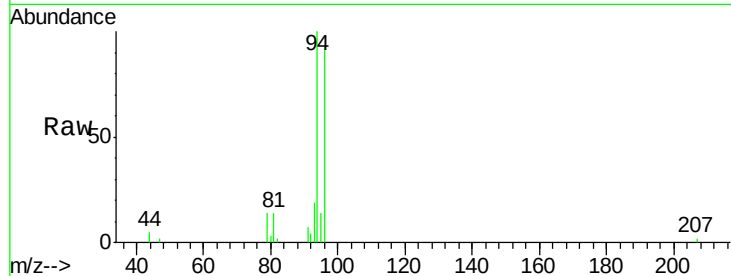
96 92.9 74.3 111.5

Manual Integrations

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#6

Chloroethane

Concen: 19.230 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN061013.D

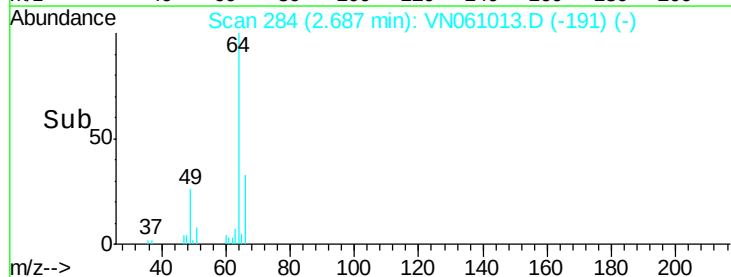
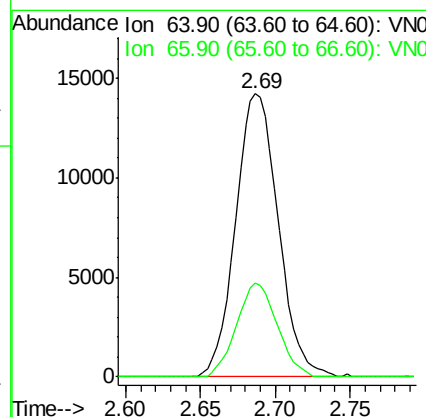
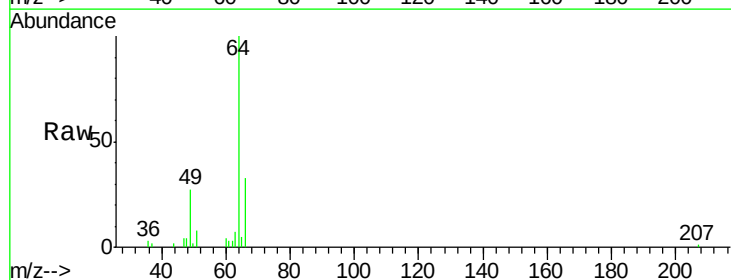
Acq: 16 Apr 2020 15:49

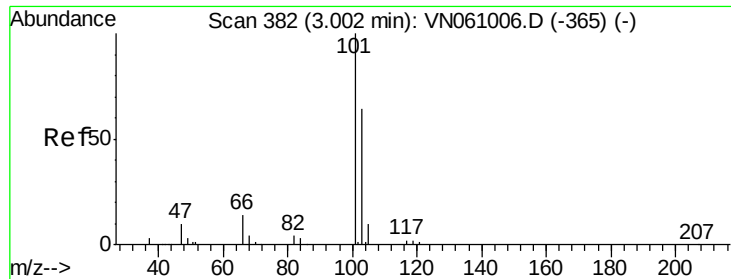
Tgt Ion: 64 Resp: 28240

Ion Ratio Lower Upper

64 100

66 33.4 25.8 38.8





#7

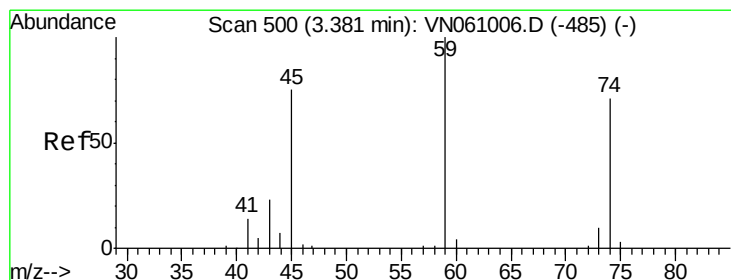
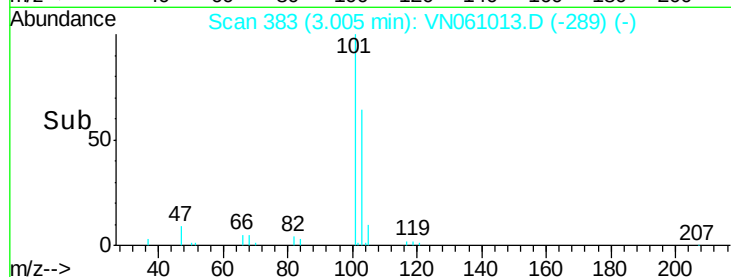
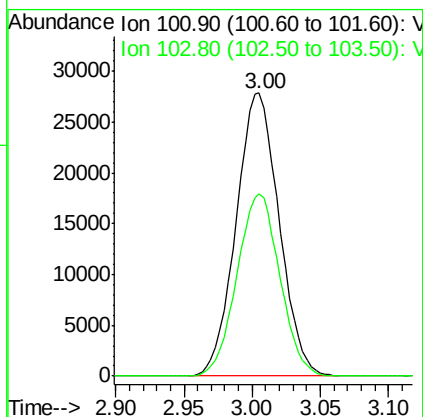
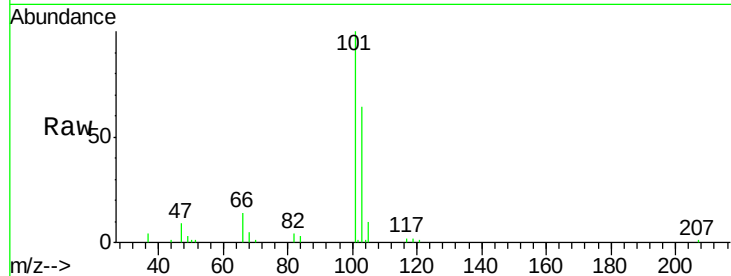
Trichlorofluoromethane
 Concen: 19.227 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. 0.00 min
 Lab File: VN061013.D
 Acq: 16 Apr 2020 15:49

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 VN0416WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		60938		
103	64.4	51.4	77.2		

Manual Integrations
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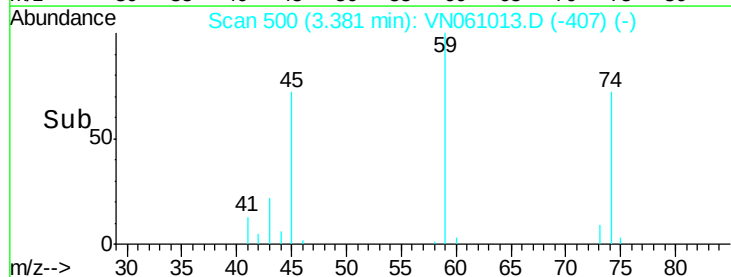
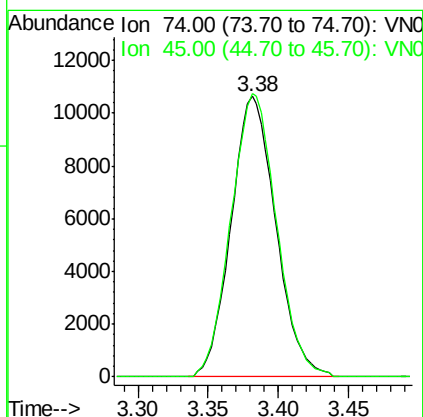
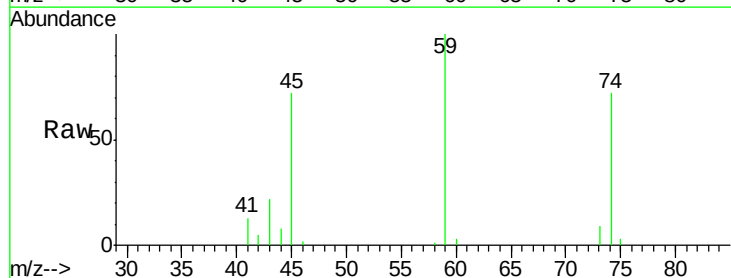
MMDadoda
 4/17/2020 11:53:30 AM

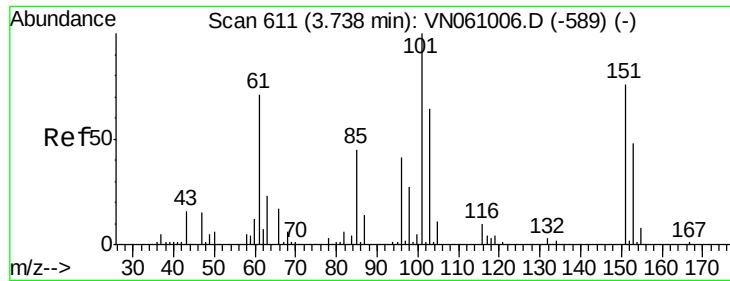


#8

Diethyl Ether
 Concen: 18.748 ug/l
 RT: 3.38 min Scan# 500
 Delta R.T. 0.00 min
 Lab File: VN061013.D
 Acq: 16 Apr 2020 15:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		23616		
45	102.5	52.9	158.8		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.817 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN061013.D

Acq: 16 Apr 2020 15:49

Instrument :

MSVOA_N

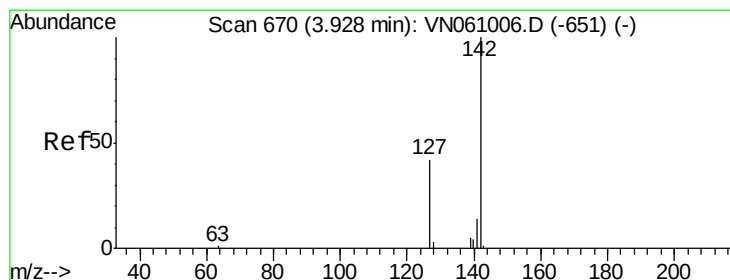
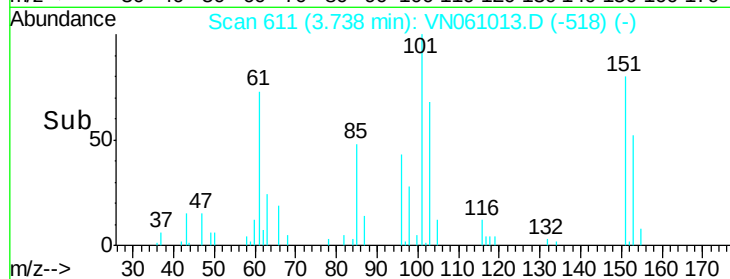
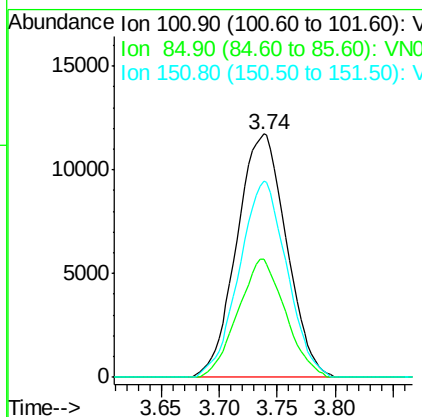
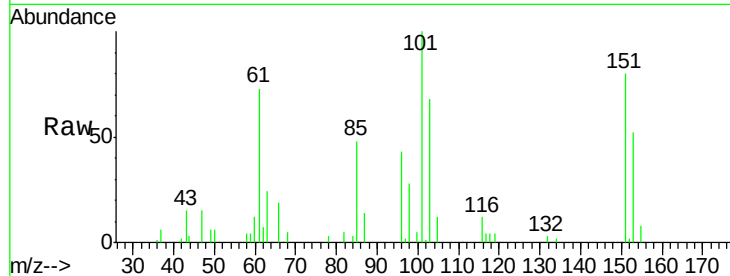
ClientSampleId :

VN0416WBS01

Tot Ion:	101	Resp:	34990
Ion Ratio	Lower	Upper	
101	100		
85	46.3	35.9	53.9
151	77.4	60.8	91.2

Manual Integrations
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4/17/2020 11:53:30 AM



#10

Methyl Iodide

Concen: 20.256 ug/l

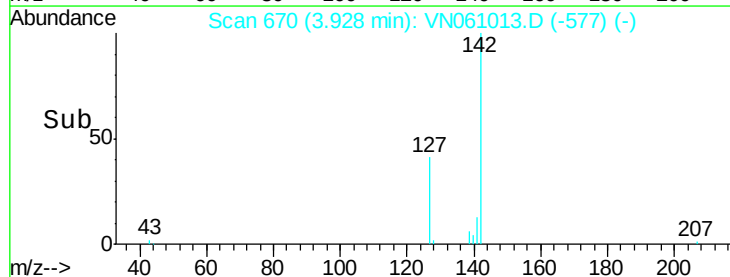
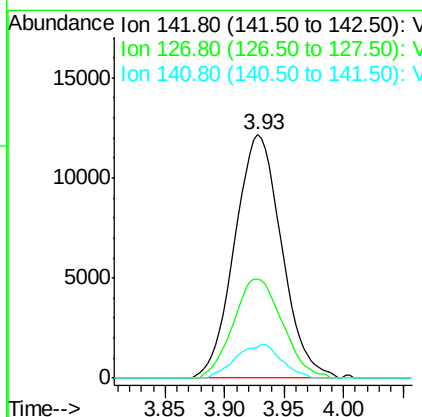
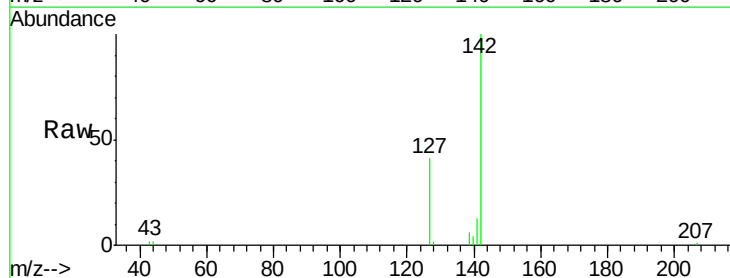
RT: 3.93 min Scan# 670

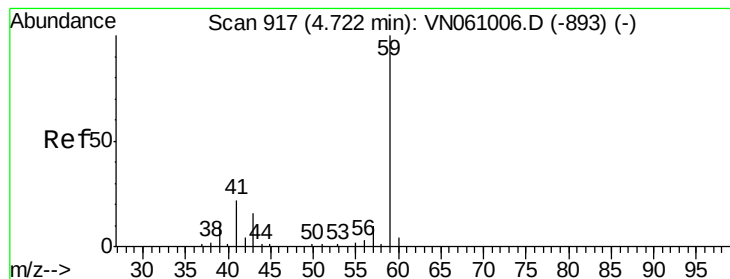
Delta R.T. 0.00 min

Lab File: VN061013.D

Acq: 16 Apr 2020 15:49

Tgt Ion:	142	Resp:	33229
Ion Ratio	Lower	Upper	
142	100		
127	42.5	33.4	50.2
141	13.5	11.0	16.6





#11

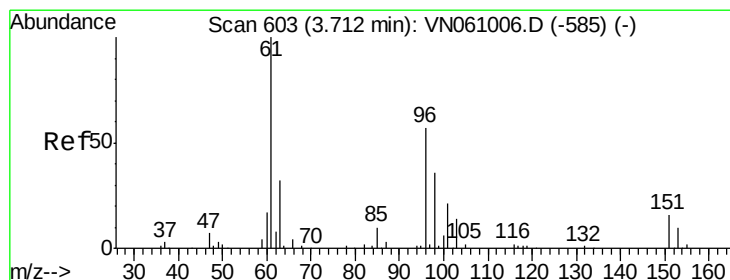
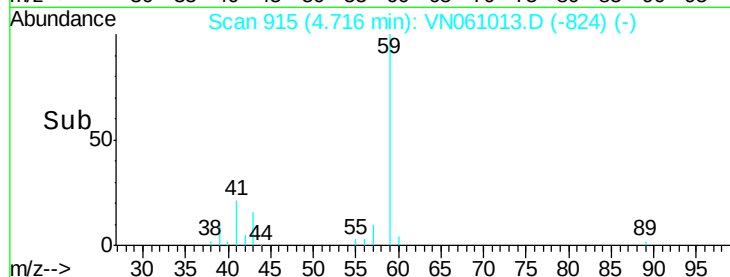
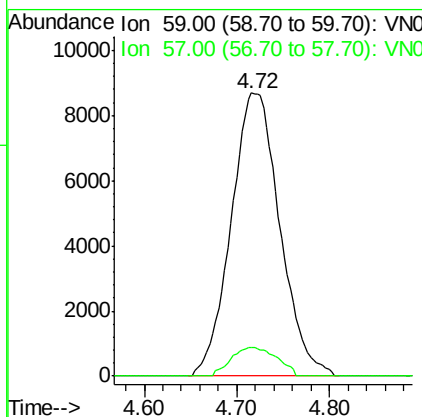
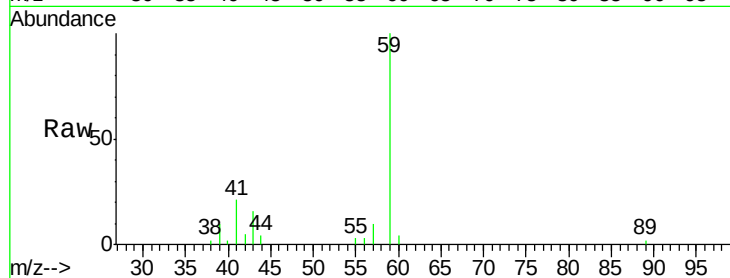
Tert butyl alcohol
 Concen: 80.729 ug/l
 RT: 4.72 min Scan# 915
 Delta R.T. -0.01 min
 Lab File: VN061013.D
 Acq: 16 Apr 2020 15:49

Instrument :
 MSVOA_N
 ClientSampled :
 VN0416WBS01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	31653		
57	9.5		8.1	12.1

Manual Integrations
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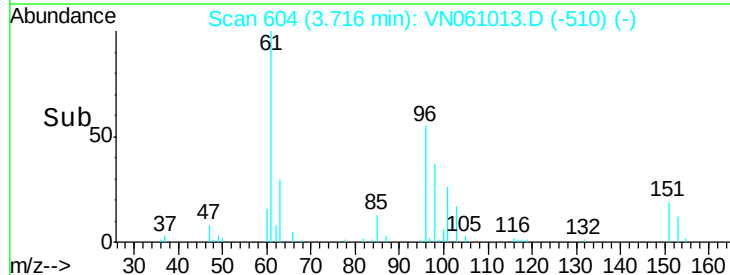
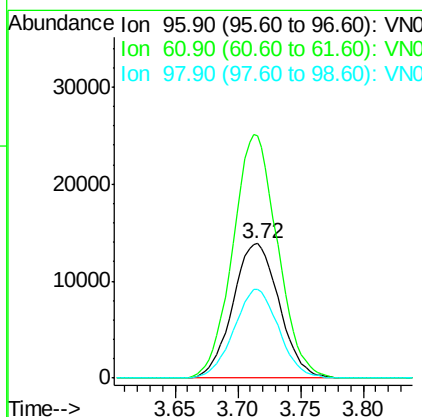
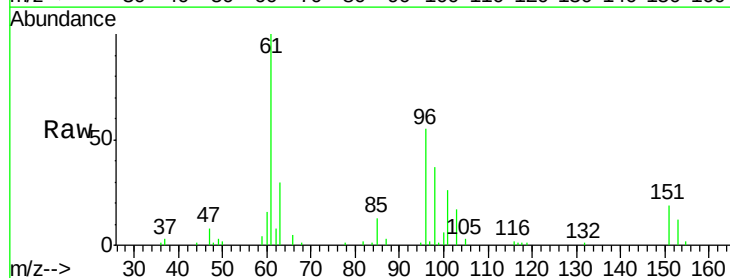
MMDadoda
 4/17/2020 11:53:30 AM

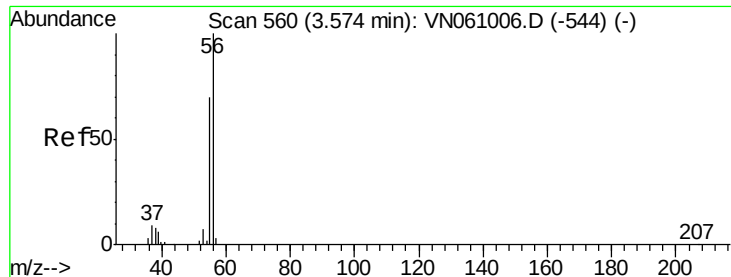


#12

1,1-Dichloroethene
 Concen: 18.838 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN061013.D
 Acq: 16 Apr 2020 15:49

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	35606		
61	180.3		139.2	208.8
98	66.5		50.0	75.0





#13

Acrolein

Concen: 77.132 ug/l

RT: 3.57 min Scan# 560

Delta R.T. 0.00 min

Lab File: VN061013.D

Acq: 16 Apr 2020 15:49

Instrument :

MSVOA_N

ClientSampleId :

VN0416WBS01

Tot Ion: 56 Resp: 25535

Ion Ratio Lower Upper

56 100

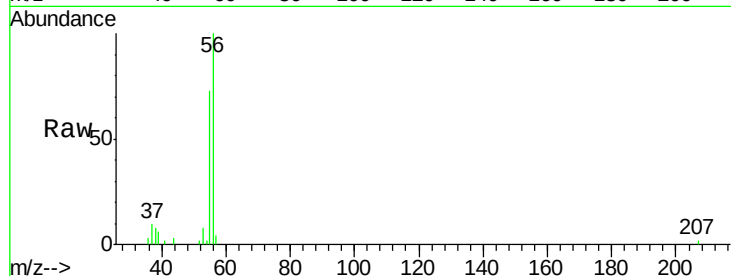
55 70.5 57.0 85.6

Manual Integrations

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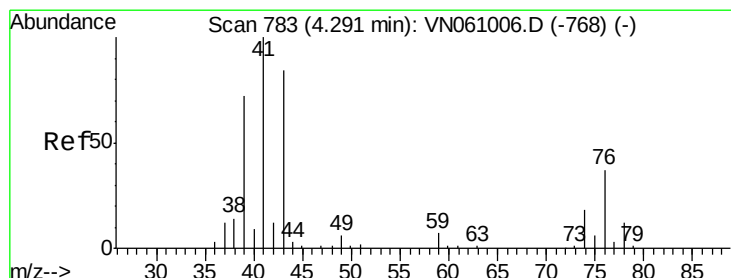
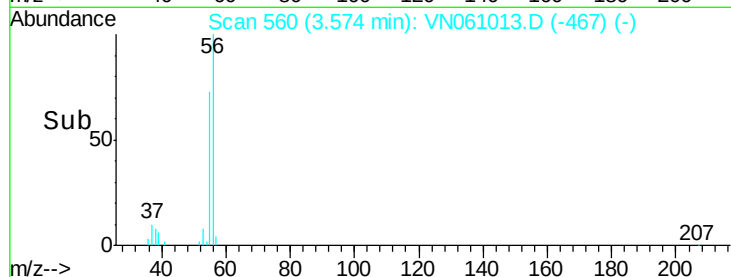
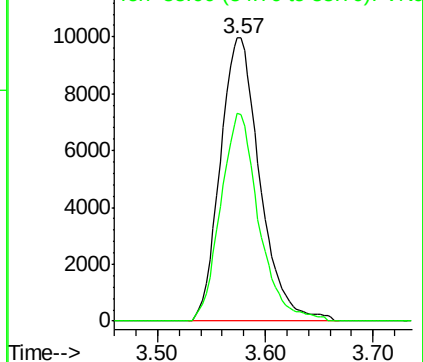
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 18.057 ug/l

RT: 4.29 min Scan# 783

Delta R.T. 0.00 min

Lab File: VN061013.D

Acq: 16 Apr 2020 15:49

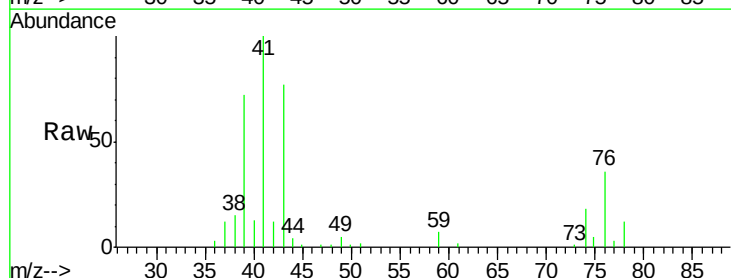
Tgt Ion: 41 Resp: 64575

Ion Ratio Lower Upper

41 100

39 70.9 56.3 84.5

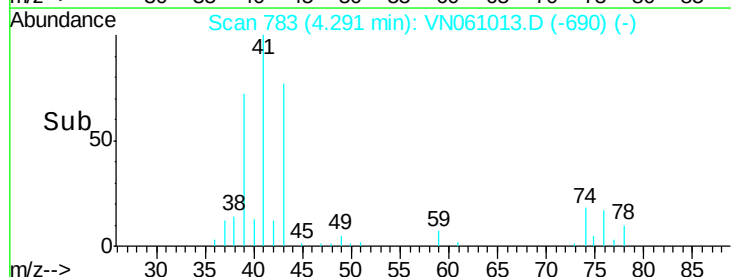
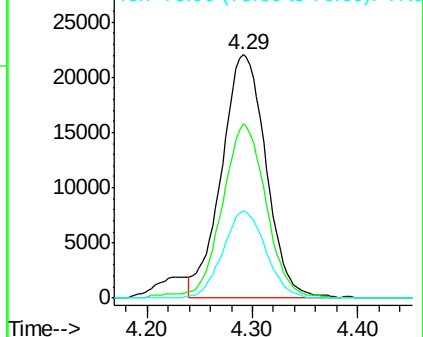
76 34.5 27.7 41.5

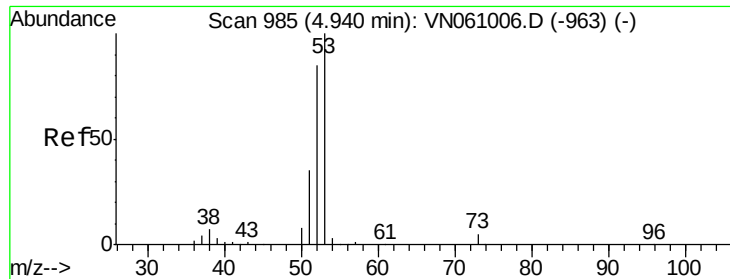


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 88.548 ug/l

RT: 4.94 min Scan# 984

Delta R.T. -0.00 min

Lab File: VN061013.D

Acq: 16 Apr 2020 15:49

Instrument :

MSVOA_N

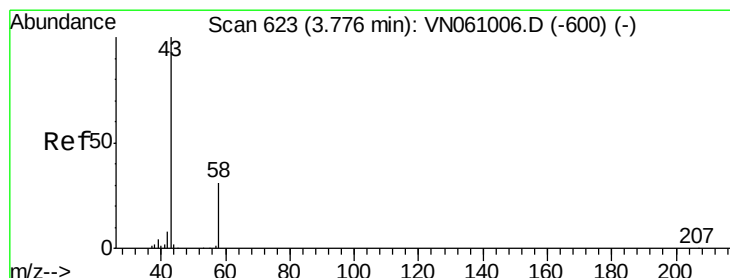
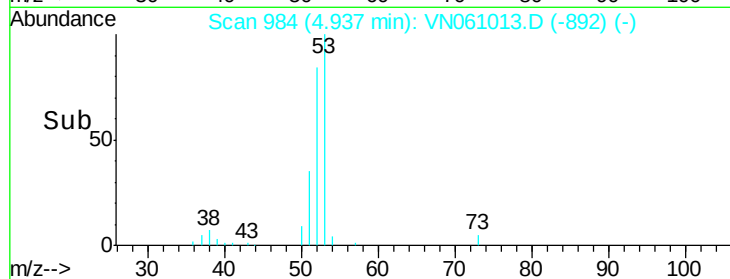
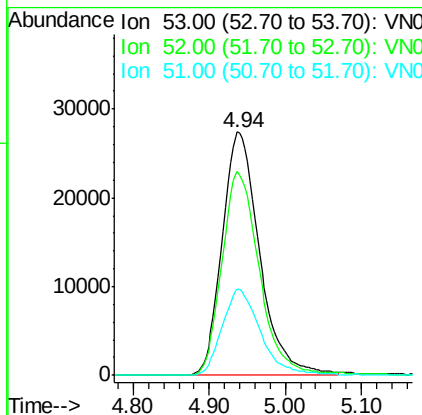
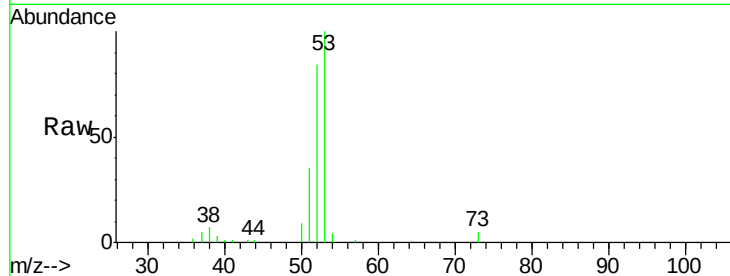
ClientSampleId :

VN0416WBS01

Tot Ion:	53	Resp:	94135
Ion	Ratio	Lower	Upper
53	100		
52	83.4	66.8	100.2
51	36.2	28.9	43.3

Manual Integrations
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#16

Acetone

Concen: 91.334 ug/l

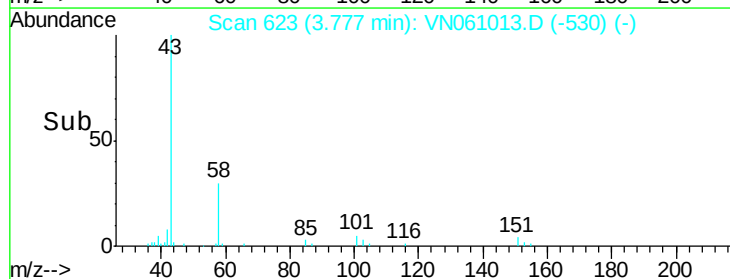
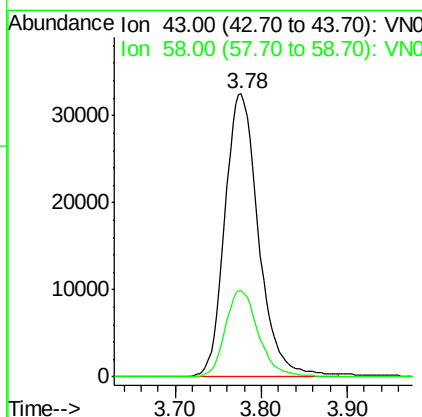
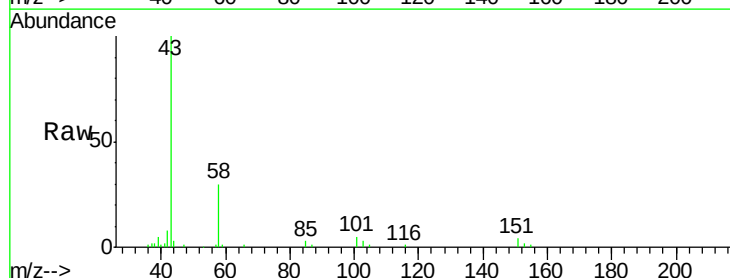
RT: 3.78 min Scan# 623

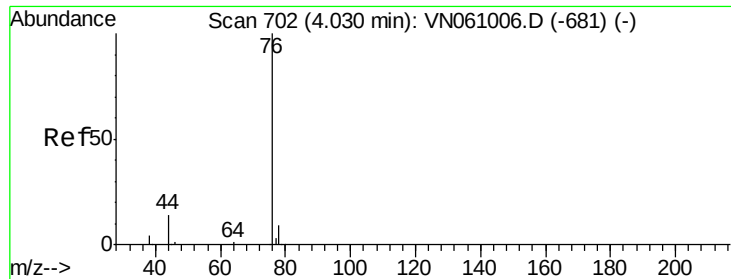
Delta R.T. 0.00 min

Lab File: VN061013.D

Acq: 16 Apr 2020 15:49

Tgt Ion:	43	Resp:	88838
Ion	Ratio	Lower	Upper
43	100		
58	30.3	24.6	37.0





#17

Carbon Disulfide

Concen: 18.468 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN061013.D

Acq: 16 Apr 2020 15:49

Instrument :

MSVOA_N

ClientSampleId :

VN0416WBS01

Tot Ion: 76 Resp: 109231

Ion Ratio Lower Upper

76 100

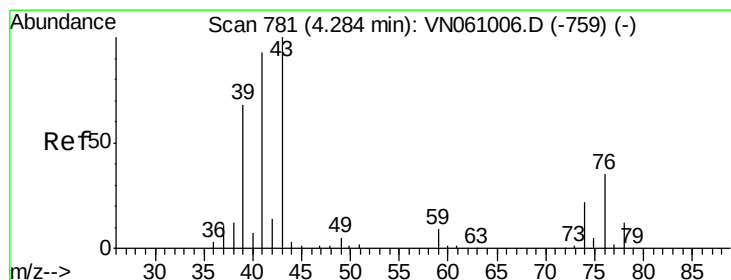
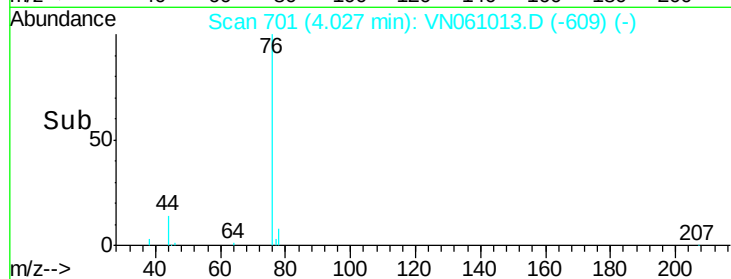
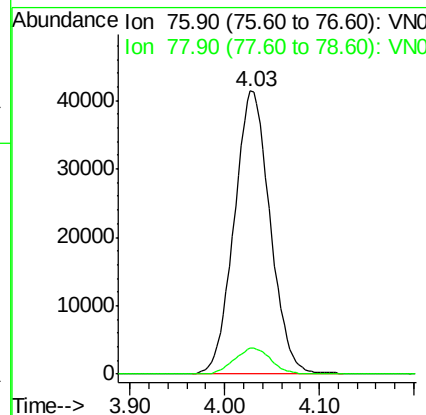
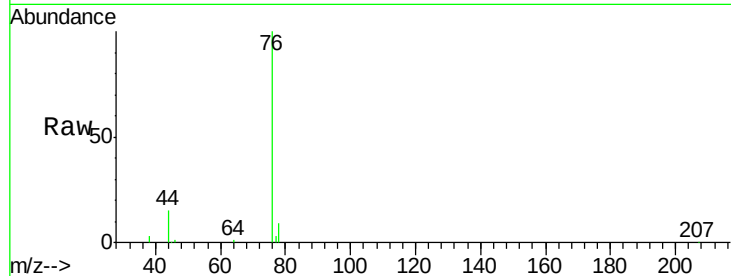
78 9.3 7.6 11.4

Manual Integrations

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MMDadoda

4/17/2020 11:53:30 AM



#18

Methyl Acetate

Concen: 17.695 ug/l

RT: 4.28 min Scan# 780

Delta R.T. -0.00 min

Lab File: VN061013.D

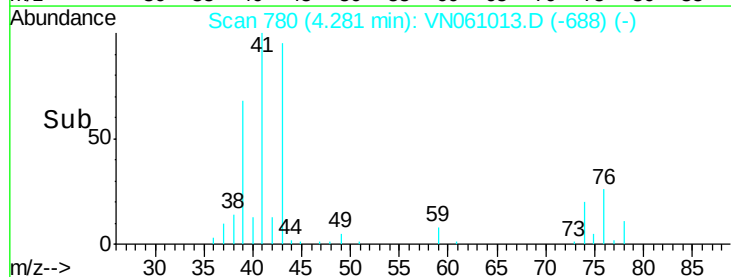
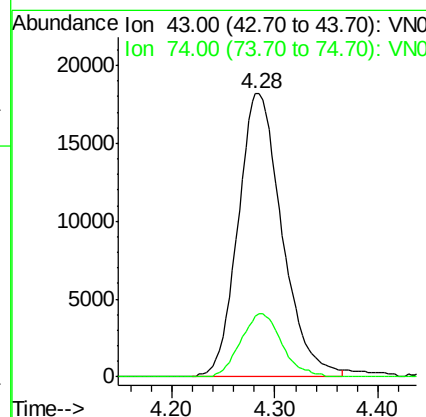
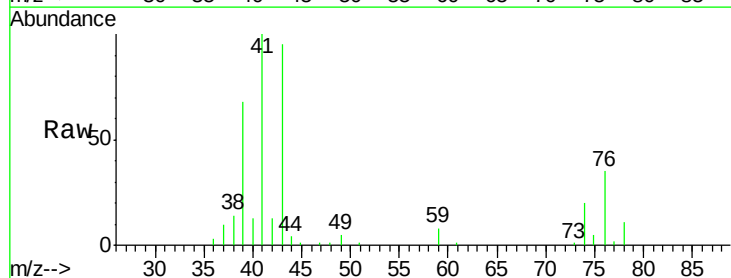
Acq: 16 Apr 2020 15:49

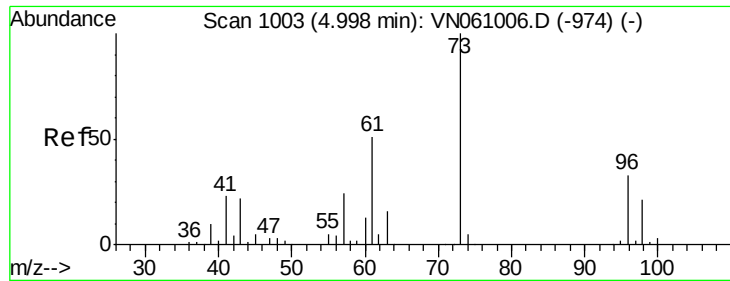
Tgt Ion: 43 Resp: 53971

Ion Ratio Lower Upper

43 100

74 20.9 17.4 26.0





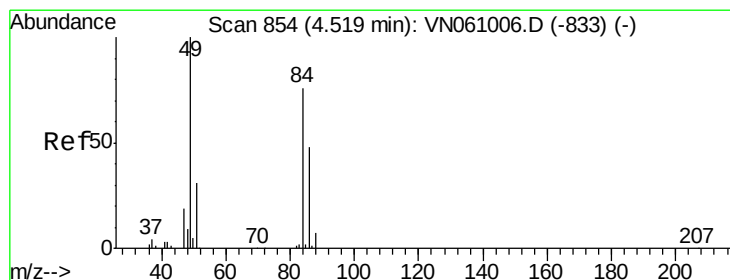
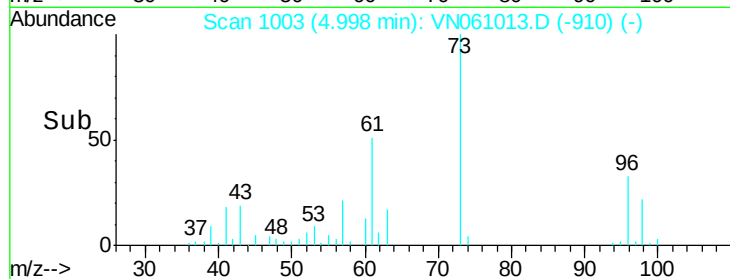
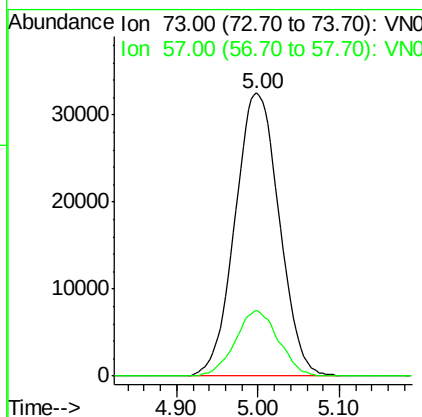
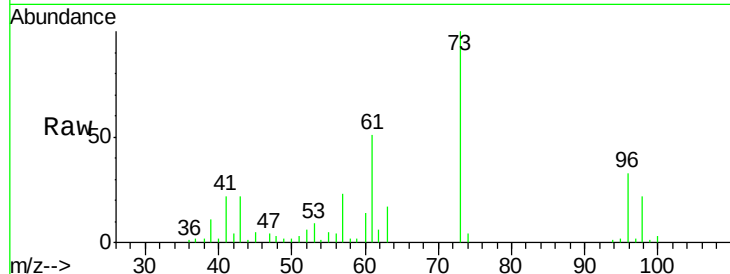
#19
Methvl tert-butyl Ether
Concen: 18.567 ug/l
RT: 5.00 min Scan# 1003
Delta R.T. 0.00 min
Lab File: VN061013.D
Acq: 16 Apr 2020 15:49

Instrument :
MSVOA_N
ClientSampled :
VN0416WBS01

Tot Ion: 73 Resp: 122366
Ion Ratio Lower Upper
73 100
57 23.2 19.0 28.4

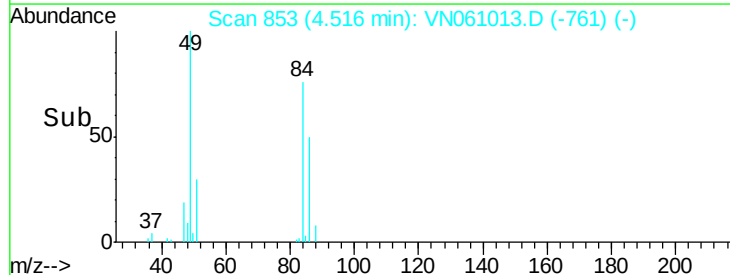
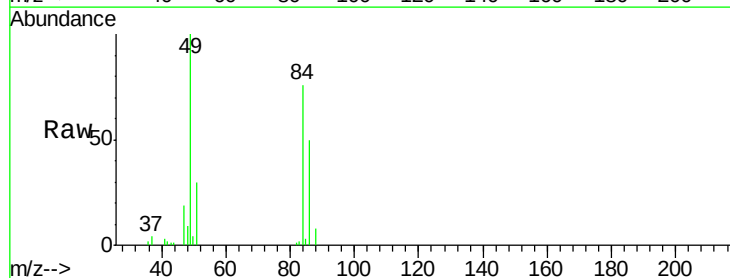
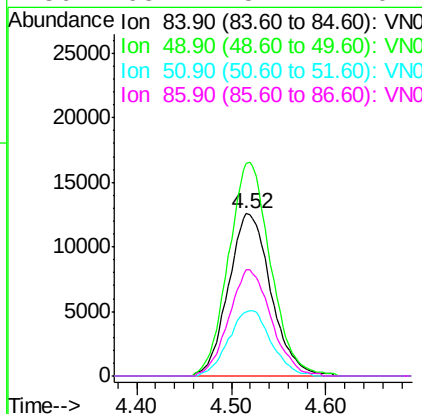
Manual Integrations
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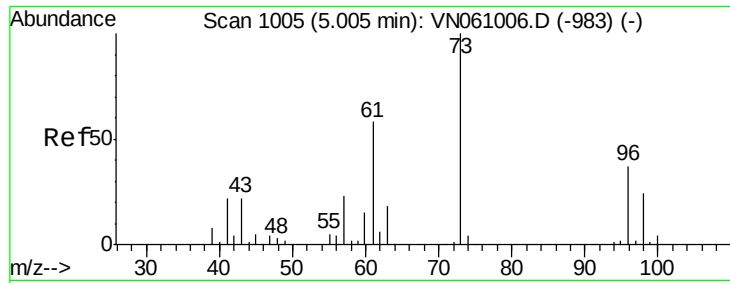
MMDadoda
4/17/2020 11:53:30 AM



#20
Methylene Chloride
Concen: 18.465 ug/l
RT: 4.52 min Scan# 853
Delta R.T. -0.00 min
Lab File: VN061013.D
Acq: 16 Apr 2020 15:49

Tgt Ion: 84 Resp: 39214
Ion Ratio Lower Upper
84 100
49 131.0 105.8 158.6
51 39.7 32.4 48.6
86 65.2 51.1 76.7





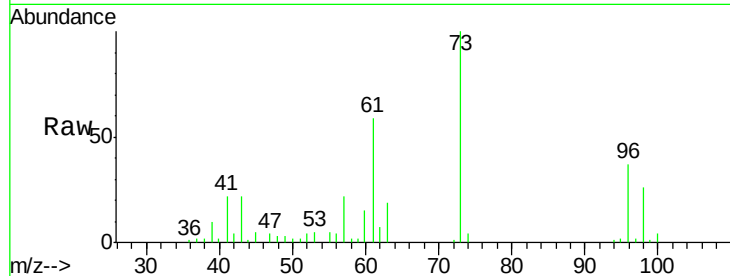
#21
trans-1,2-Dichloroethene
Concen: 18.535 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. 0.00 min
Lab File: VN061013.D
Acq: 16 Apr 2020 15:49

Instrument :
MSVOA_N
ClientSampleId :
VN0416WBS01

Tot Ion	Ion	Ratio	Lower	Upper
96	100			
61	156.0	124.8	187.2	
98	69.4	51.3	76.9	

Manual Integrations
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MMDadoda
4/17/2020 11:53:30 AM

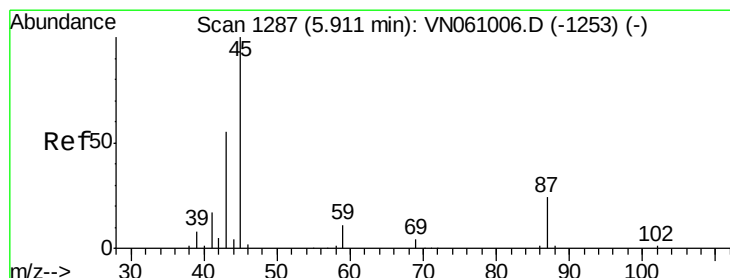
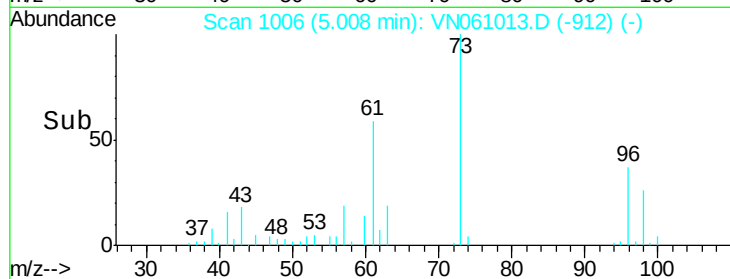
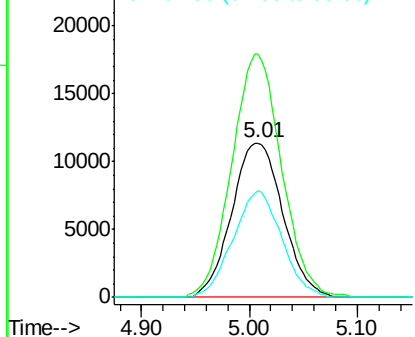


Abundance

Ion 95.90 (95.60 to 96.60): VN061013.D (-912) (-)

Ion 60.90 (60.60 to 61.60): VN061013.D (-912) (-)

Ion 97.90 (97.60 to 98.60): VN061013.D (-912) (-)



#22
Diisopropyl ether
Concen: 18.481 ug/l
RT: 5.91 min Scan# 1287
Delta R.T. 0.00 min
Lab File: VN061013.D
Acq: 16 Apr 2020 15:49

Tgt Ion	Ion	Ratio	Lower	Upper
45	100			
43	62.3	48.6	72.8	
87	24.2	19.4	29.2	
59	10.9	8.6	12.8	

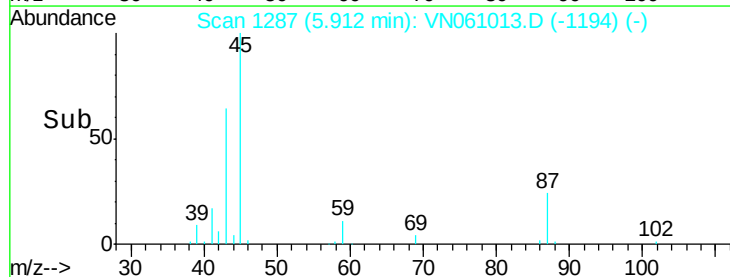
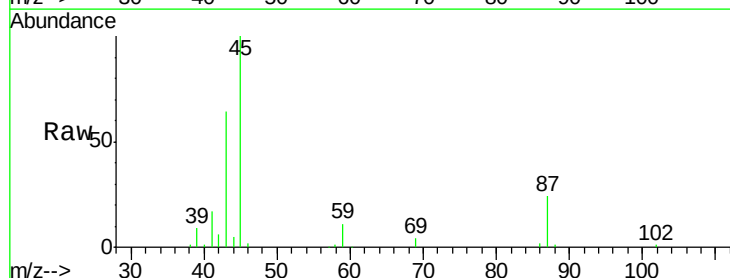
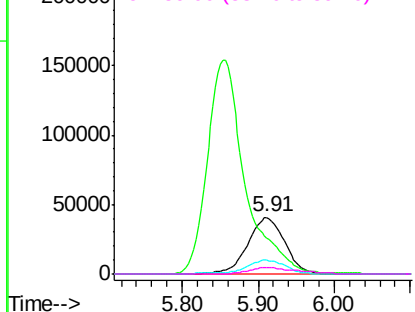
Abundance

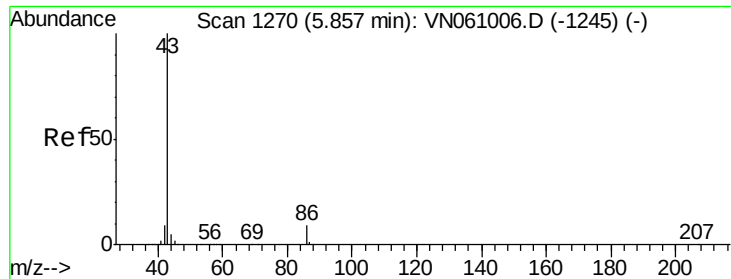
Ion 45.00 (44.70 to 45.70): VN061013.D (-1194) (-)

Ion 43.00 (42.70 to 43.70): VN061013.D (-1194) (-)

Ion 87.00 (86.70 to 87.70): VN061013.D (-1194) (-)

Ion 59.00 (58.70 to 59.70): VN061013.D (-1194) (-)





#23

Vinyl Acetate

Concen: 90.886 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VN061013.D

Acq: 16 Apr 2020 15:49

Instrument :

MSVOA_N

ClientSampleId :

VN0416WBS01

Tot Ion: 43 Resp: 529361

Ion Ratio Lower Upper

43 100

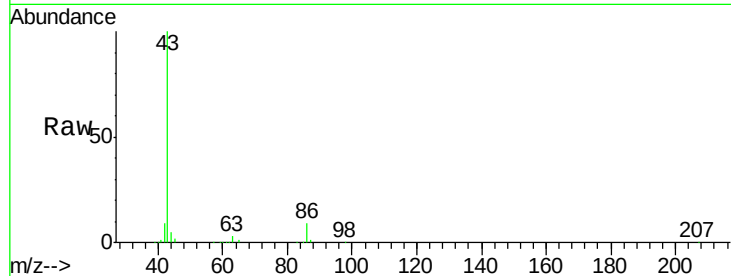
86 9.2 7.3 10.9

Manual Integrations

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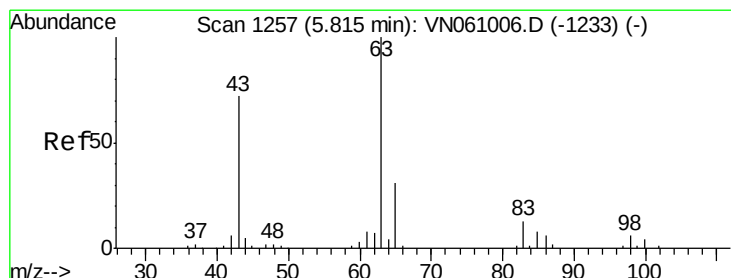
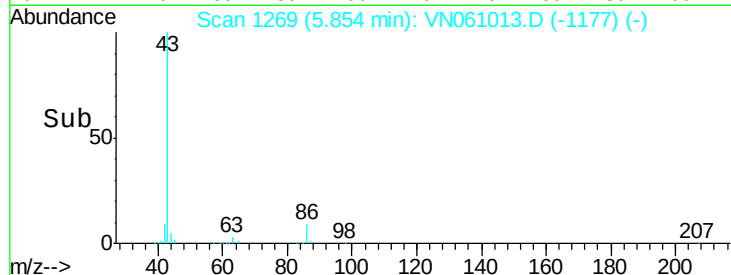
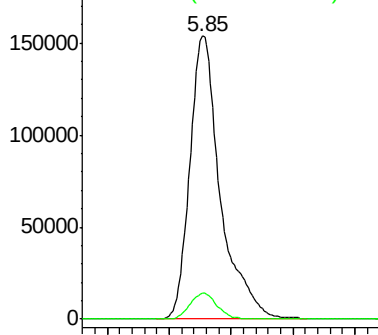
MMDadoda

4/17/2020 11:53:30 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 18.752 ug/l

RT: 5.81 min Scan# 1256

Delta R.T. -0.00 min

Lab File: VN061013.D

Acq: 16 Apr 2020 15:49

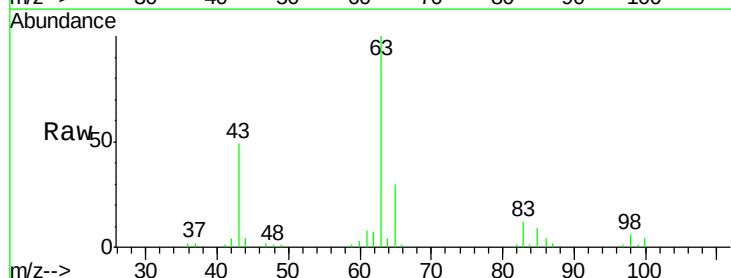
Tgt Ion: 63 Resp: 75224

Ion Ratio Lower Upper

63 100

98 6.1 2.9 8.8

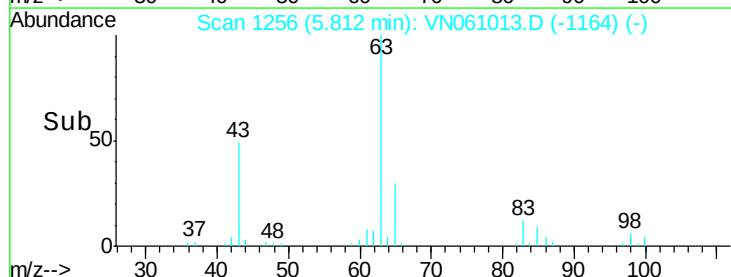
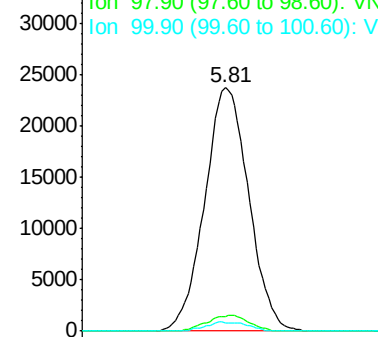
100 3.5 2.0 5.8

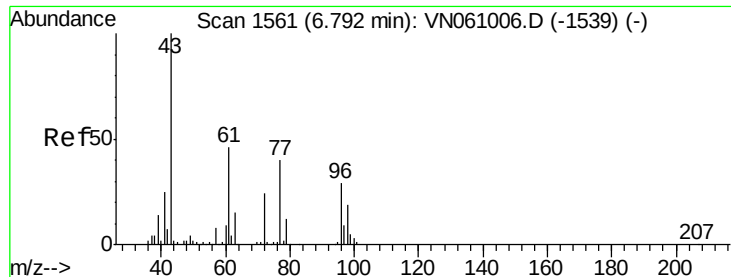


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 86.198 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. 0.00 min

Lab File: VN061013.D

Acq: 16 Apr 2020 15:49

Instrument :

MSVOA_N

ClientSampleId :

VN0416WBS01

Tot Ion: 43 Resp: 128477

Ion Ratio Lower Upper

43 100

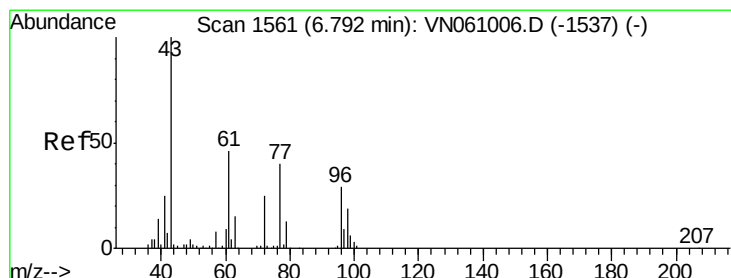
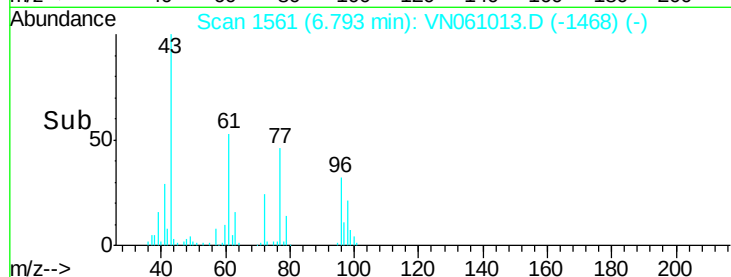
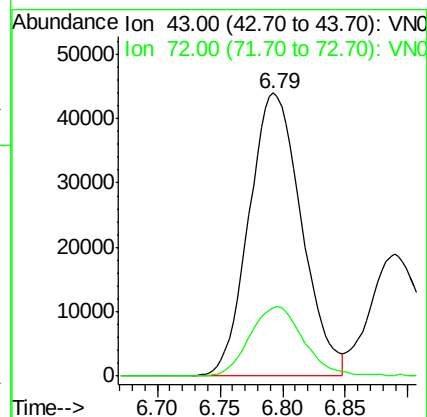
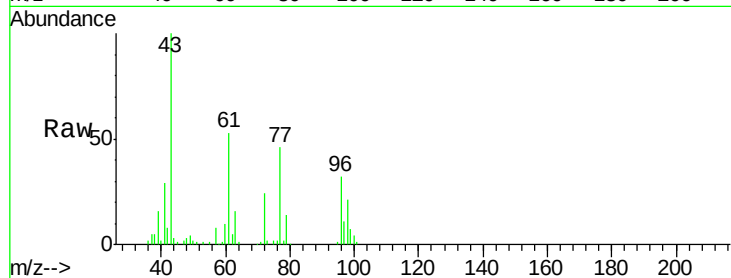
72 24.4 19.6 29.4

Manual Integrations

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MMDadoda

4/17/2020 11:53:30 AM



#26

2,2-Dichloropropane

Concen: 19.242 ug/l

RT: 6.79 min Scan# 1560

Delta R.T. -0.00 min

Lab File: VN061013.D

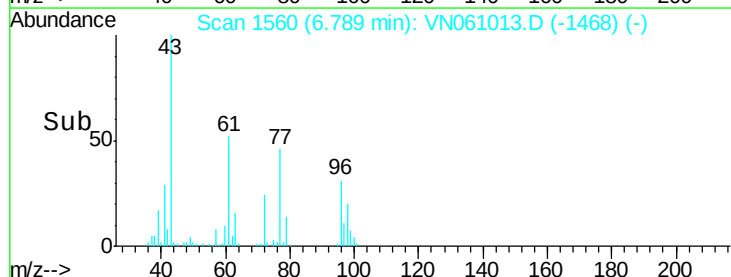
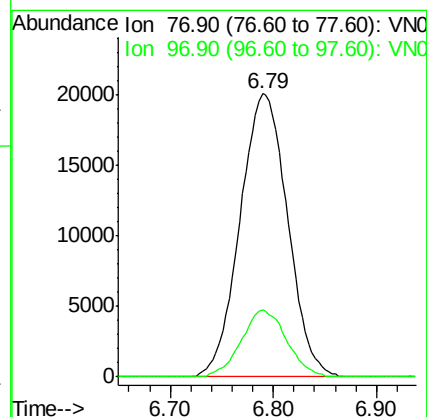
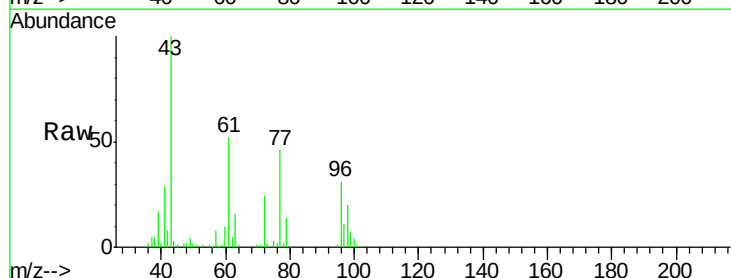
Acq: 16 Apr 2020 15:49

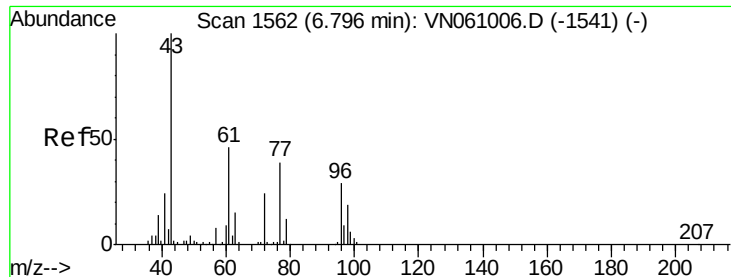
Tgt Ion: 77 Resp: 64272

Ion Ratio Lower Upper

77 100

97 22.5 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 18.623 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VN061013.D

Acq: 16 Apr 2020 15:49

Instrument :

MSVOA_N

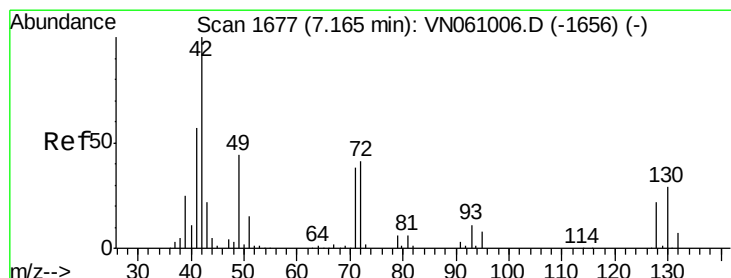
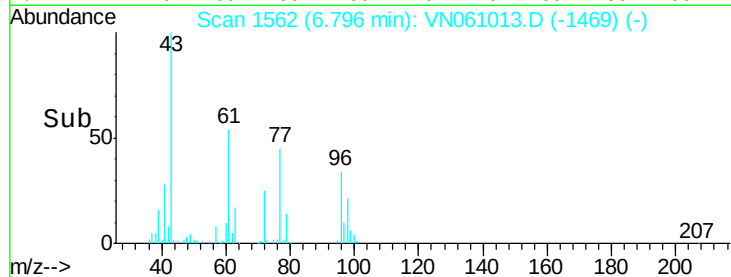
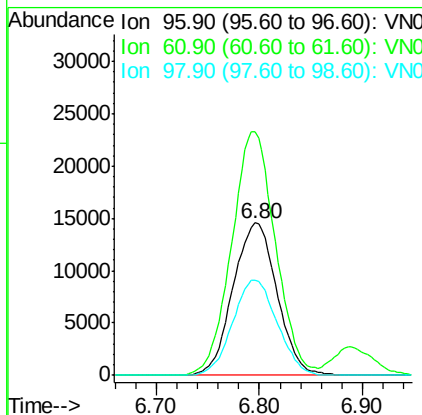
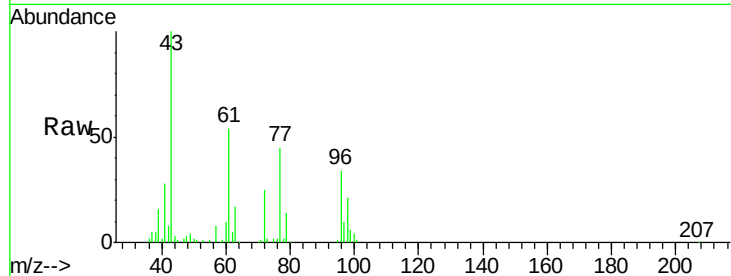
ClientSampled :

VN0416WBS01

Tot Ion:	96	Resp:	43223
Ion	Ratio	Lower	Upper
96	100		
61	158.9	0.0	317.4
98	63.0	0.0	127.8

Manual Integrations
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4/17/2020 11:53:30 AM



#28

Bromochloromethane

Concen: 19.230 ug/l

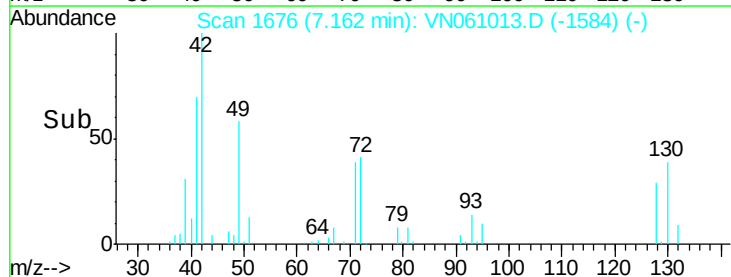
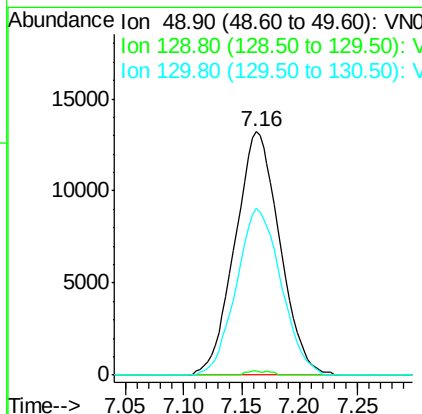
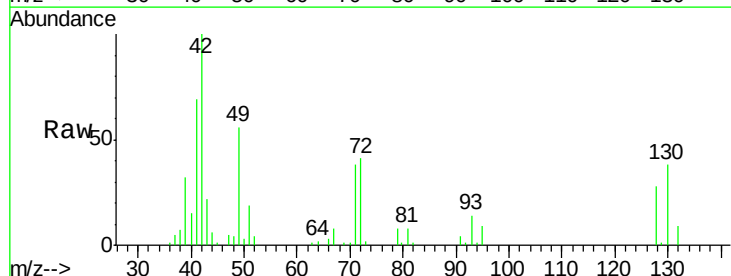
RT: 7.16 min Scan# 1676

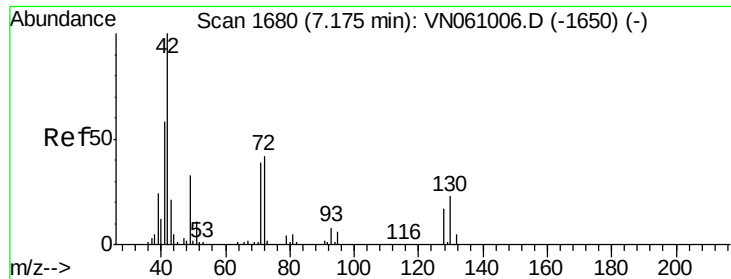
Delta R.T. -0.00 min

Lab File: VN061013.D

Acq: 16 Apr 2020 15:49

Tgt Ion:	49	Resp:	35410
Ion	Ratio	Lower	Upper
49	100		
129	0.5	0.0	3.0
130	68.4	52.9	79.3





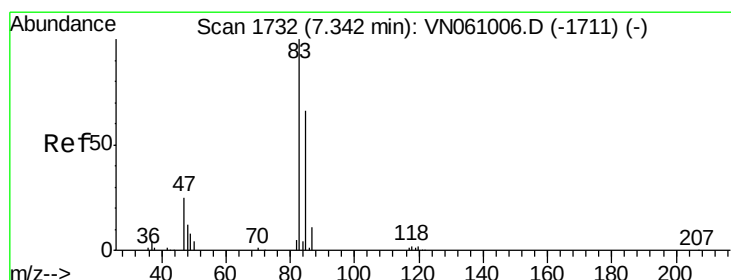
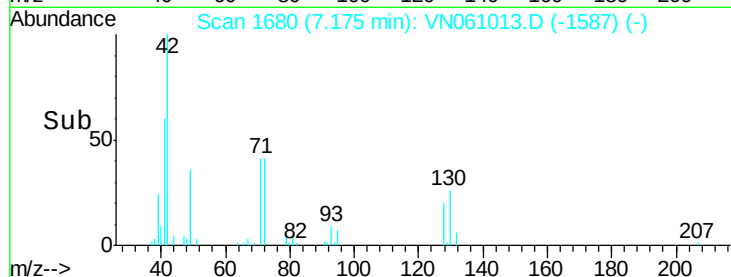
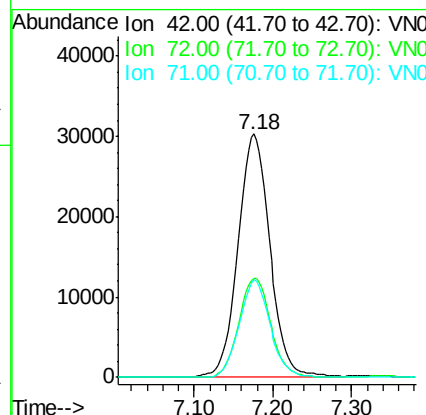
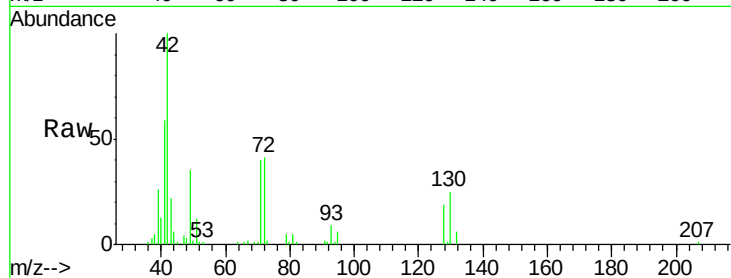
#29
Tetrahydrofuran
Concen: 84.978 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN061013.D
Acq: 16 Apr 2020 15:49

Instrument :
MSVOA_N
ClientSampleId :
VN0416WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.6	32.1	48.1
71	38.6	30.5	45.7

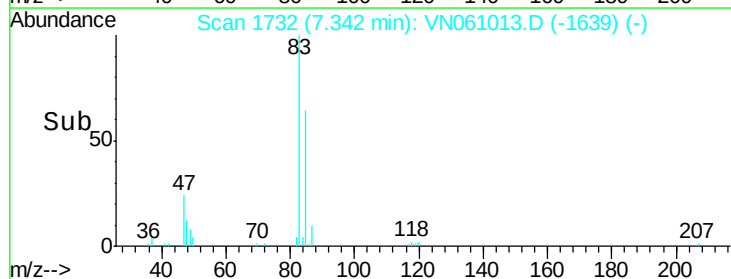
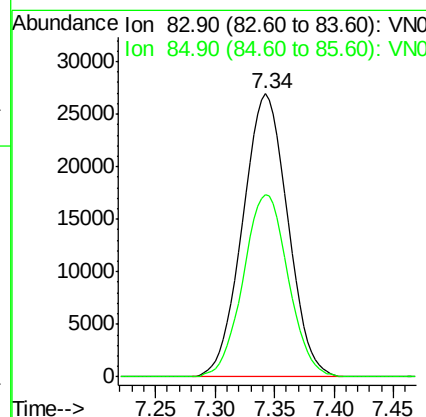
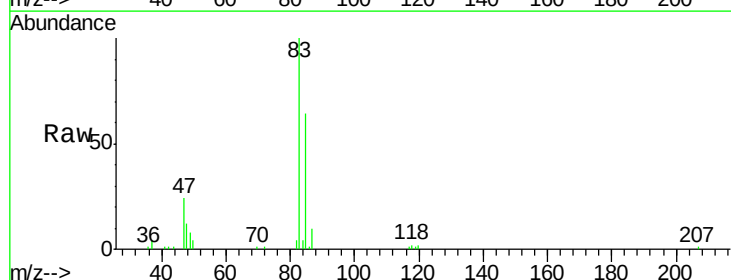
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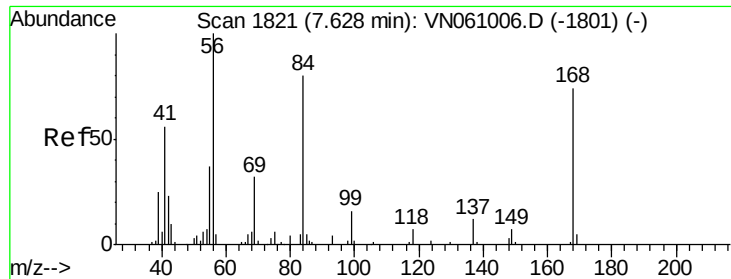
MMDadoda
4/17/2020 11:53:30 AM



#30
Chloroform
Concen: 18.899 ug/l
RT: 7.34 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VN061013.D
Acq: 16 Apr 2020 15:49

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	52.8	79.2





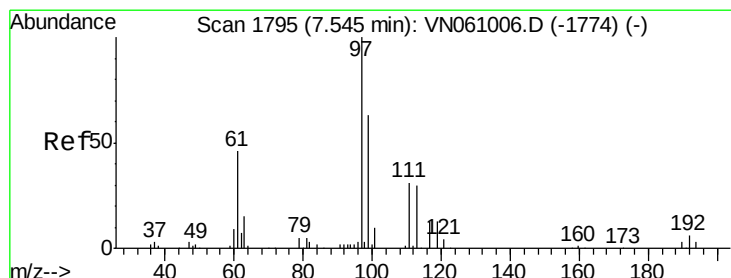
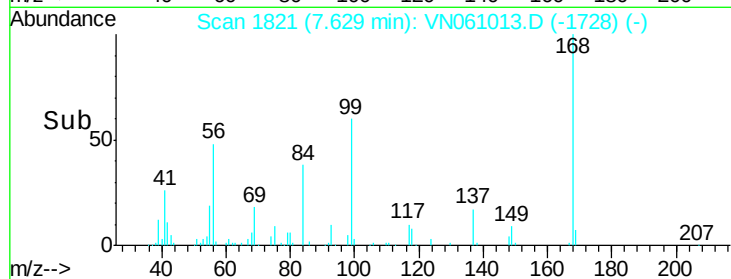
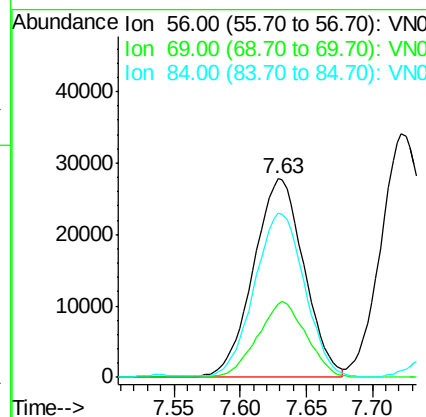
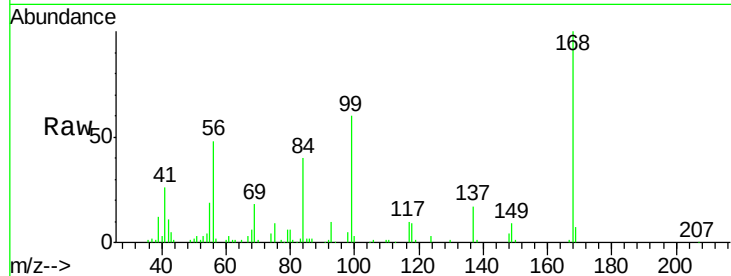
#31
Cyclohexane
Concen: 18.022 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. 0.00 min
Lab File: VN061013.D
Acq: 16 Apr 2020 15:49

Instrument :
MSVOA_N
ClientSampleId :
VN0416WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.9	25.6	38.4
84	81.8	63.4	95.2

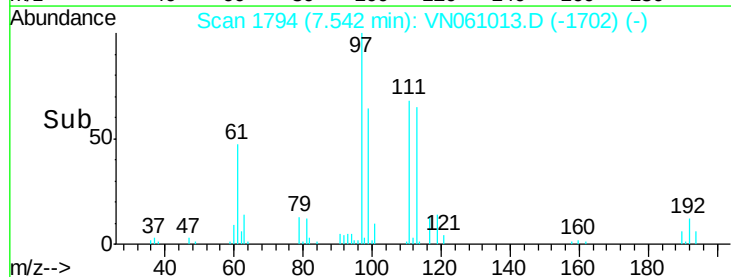
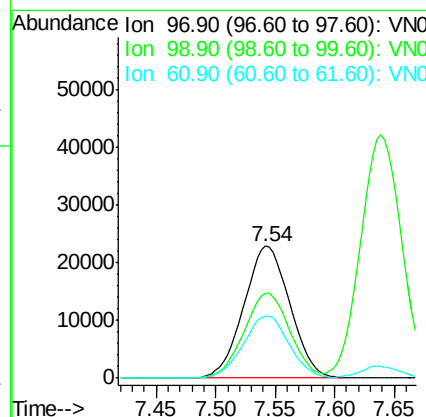
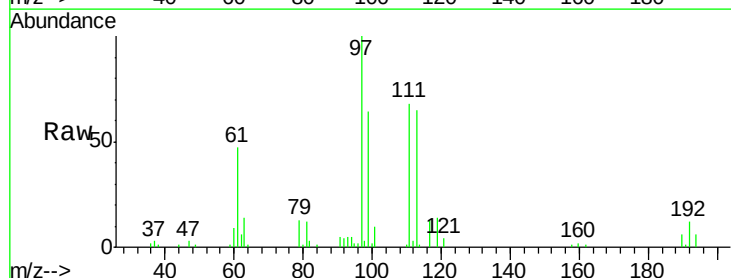
Manual Integrations
APPROVED

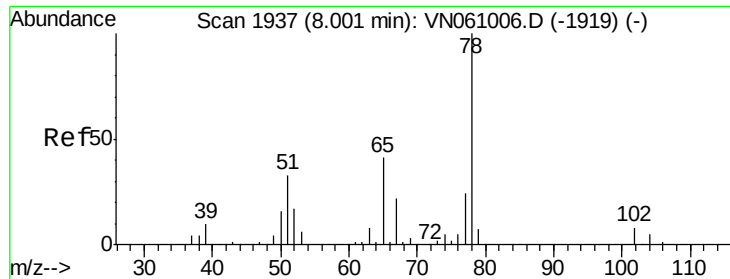
MMDadoda
4/17/2020 11:53:30 AM



#32
1,1,1-Trichloroethane
Concen: 18.912 ug/l
RT: 7.54 min Scan# 1794
Delta R.T. -0.00 min
Lab File: VN061013.D
Acq: 16 Apr 2020 15:49

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.0	76.4
61	46.8	37.0	55.6





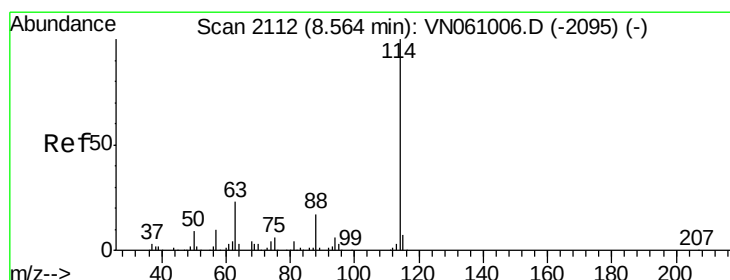
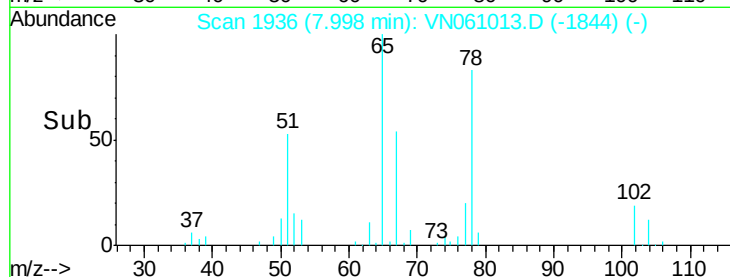
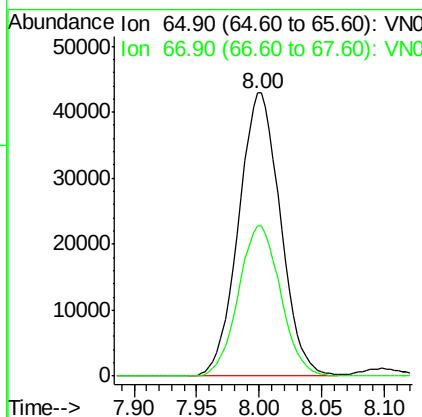
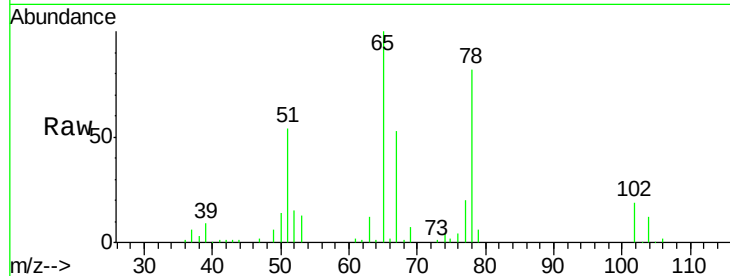
#33
 1,2-Dichloroethane-d4
 Concen: 45.112 ug/l
 RT: 8.00 min Scan# 1936
 Delta R.T. -0.00 min
 Lab File: VN061013.D
 Acq: 16 Apr 2020 15:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0416WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	99691		
67	53.3	0.0	107.0	

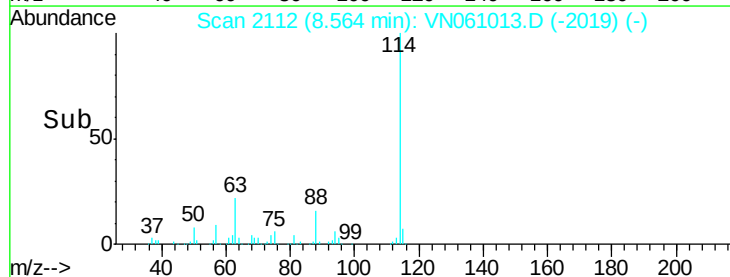
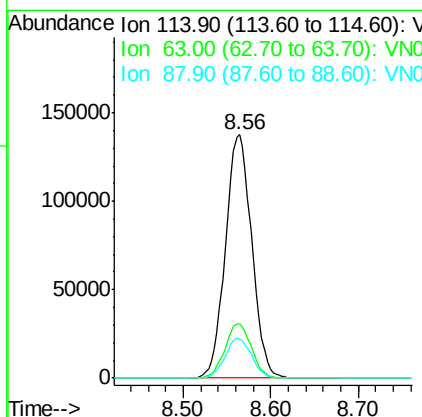
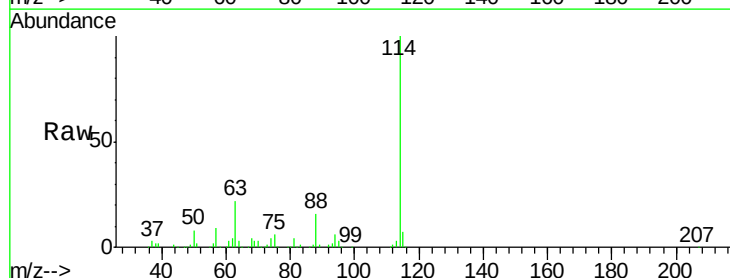
Manual Integrations
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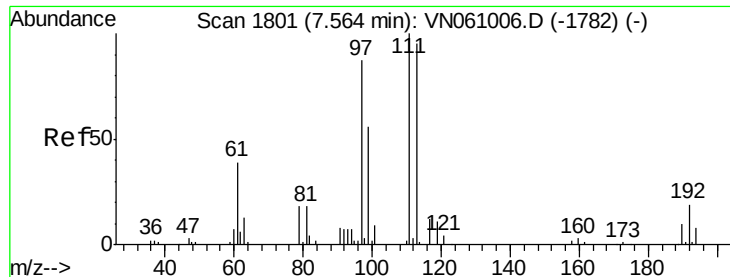
MMDadoda
 4/17/2020 11:53:30 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VN061013.D
 Acq: 16 Apr 2020 15:49

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	287446		
63	22.2	0.0	46.2	
88	16.2	0.0	33.4	





#35

Dibromofluoromethane

Concen: 46.941 ug/l

RT: 7.56 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VN061013.D

Acq: 16 Apr 2020 15:49

Instrument :

MSVOA_N

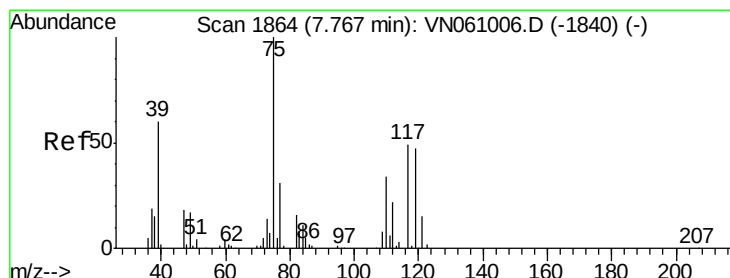
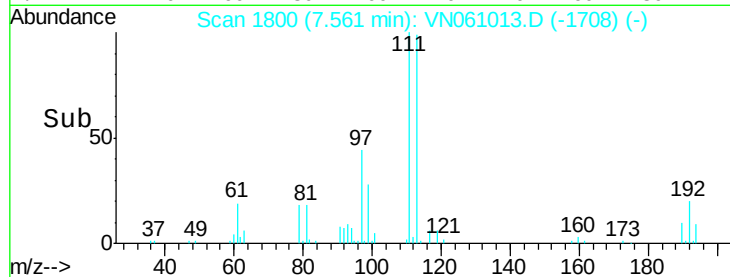
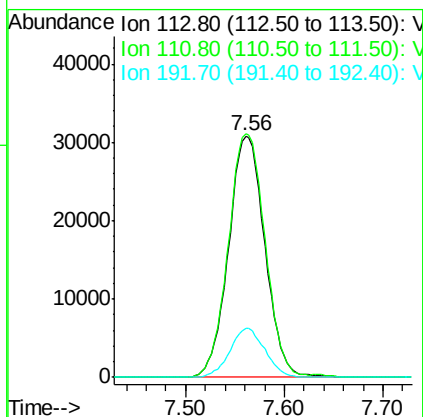
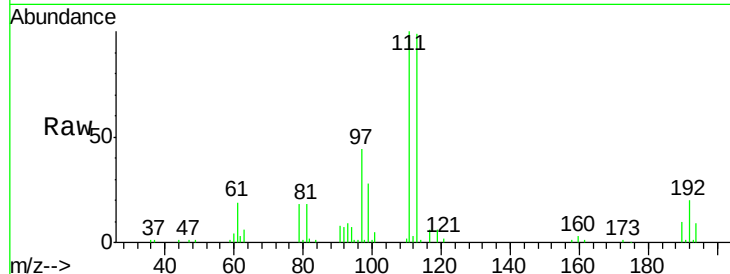
ClientSampleId :

VN0416WBS01

Tot Ion:	113	Resp:	78798
Ion	Ratio	Lower	Upper
113	100		
111	102.2	83.4	125.2
192	19.5	15.5	23.3

Manual Integrations
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MMDadoda
4/17/2020 11:53:30 AM



#36

1,1-Dichloropropene

Concen: 18.940 ug/l

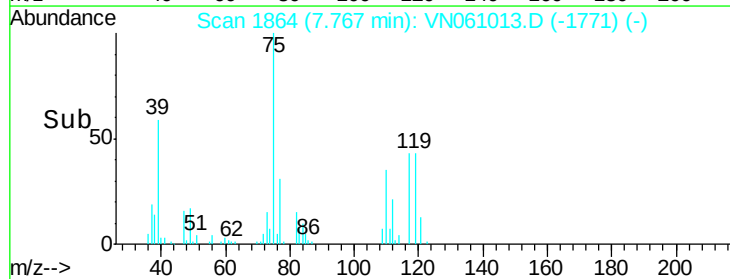
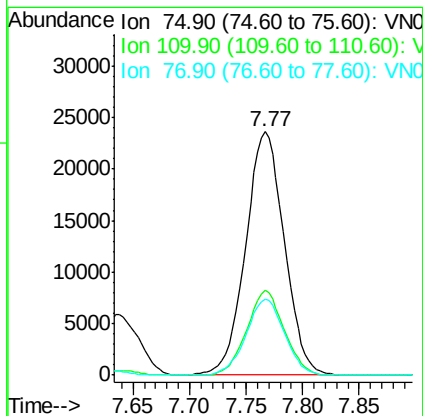
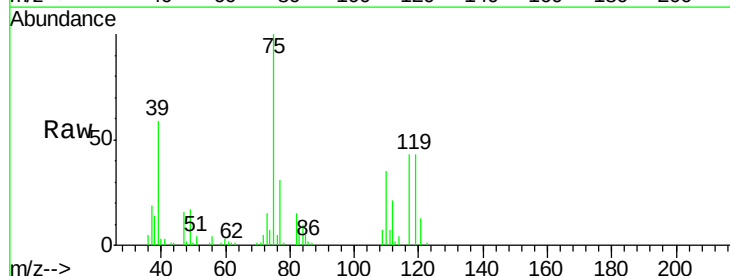
RT: 7.77 min Scan# 1864

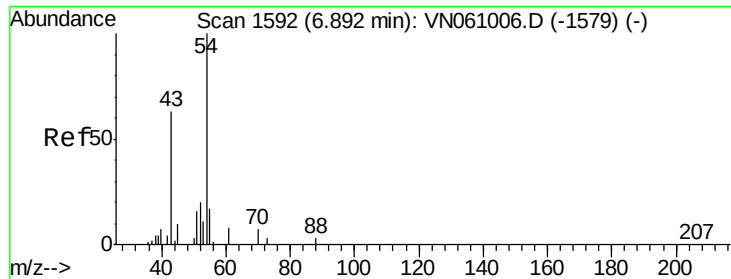
Delta R.T. 0.00 min

Lab File: VN061013.D

Acq: 16 Apr 2020 15:49

Tgt Ion:	75	Resp:	56180
Ion	Ratio	Lower	Upper
75	100		
110	33.4	16.8	50.3
77	30.8	24.7	37.1





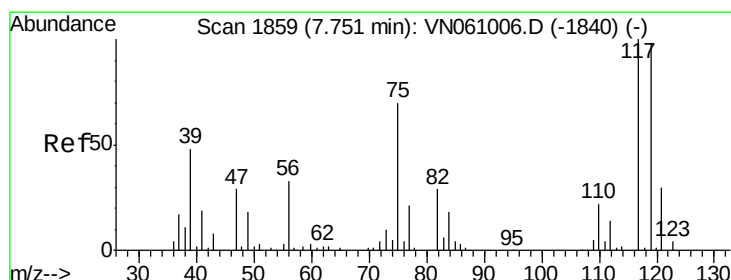
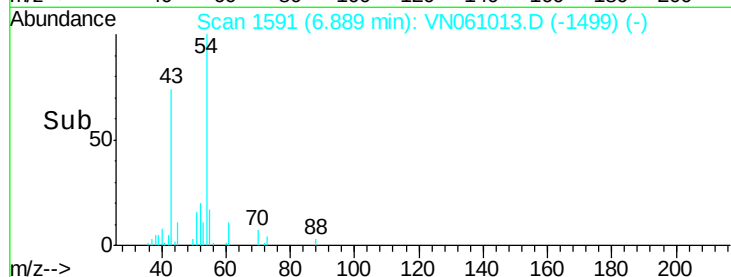
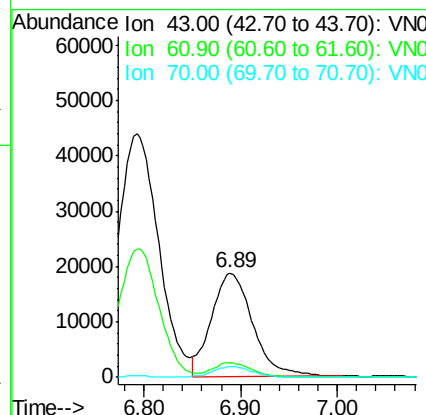
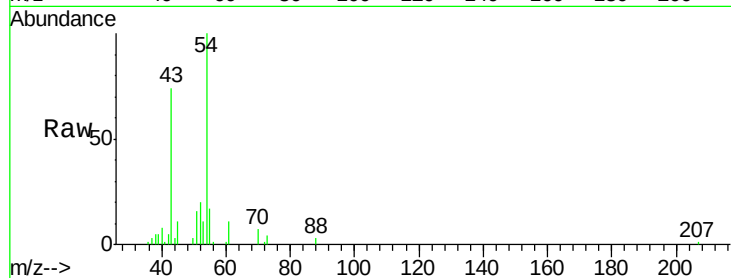
#37
Ethyl Acetate
Concen: 17.148 ug/l
RT: 6.89 min Scan# 1591
Delta R.T. -0.00 min
Lab File: VN061013.D
Acq: 16 Apr 2020 15:49

Instrument :
MSVOA_N
ClientSampleId :
VN0416WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.9	16.3
70	9.6	7.7	11.5

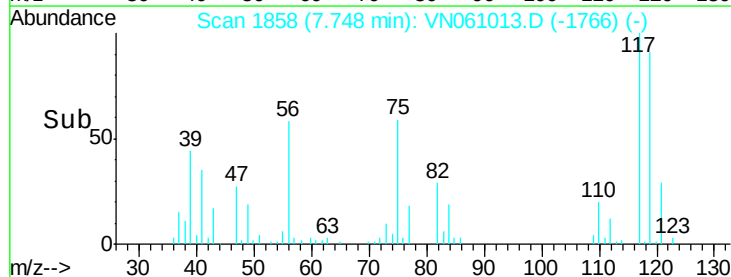
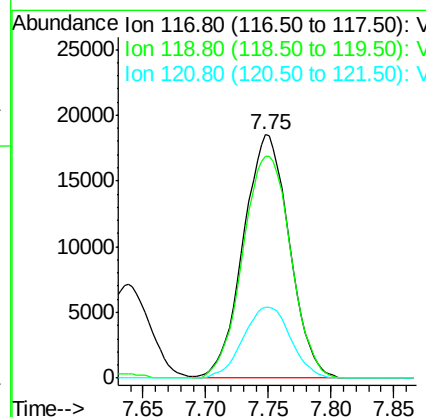
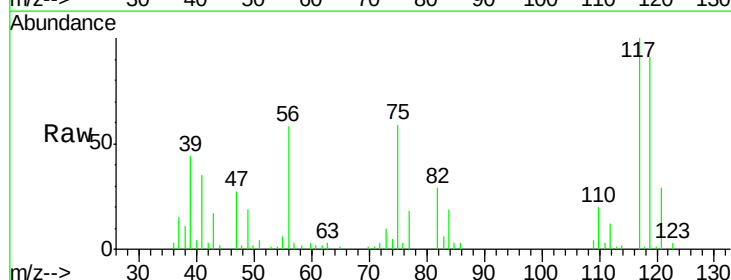
Manual Integrations
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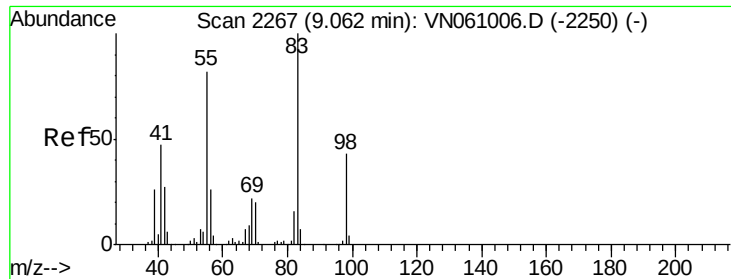
MMDadoda
4/17/2020 11:53:30 AM



#38
Carbon Tetrachloride
Concen: 19.168 ug/l
RT: 7.75 min Scan# 1858
Delta R.T. -0.00 min
Lab File: VN061013.D
Acq: 16 Apr 2020 15:49

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.1	78.1	117.1
121	28.9	24.0	36.0





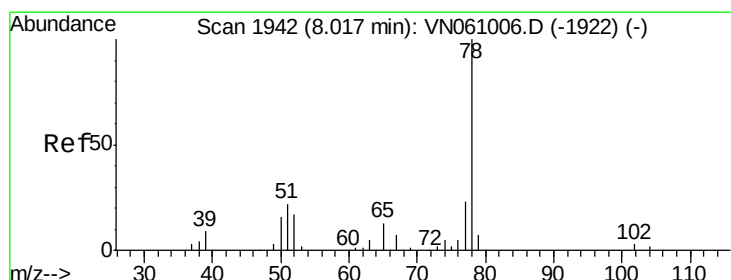
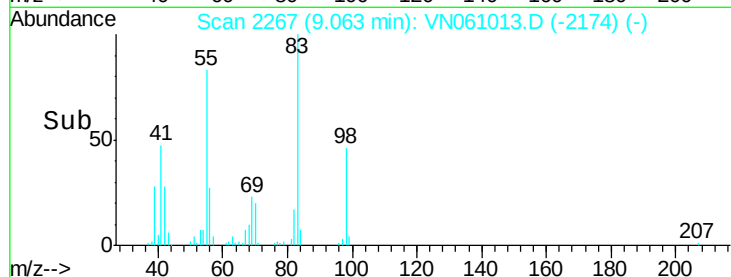
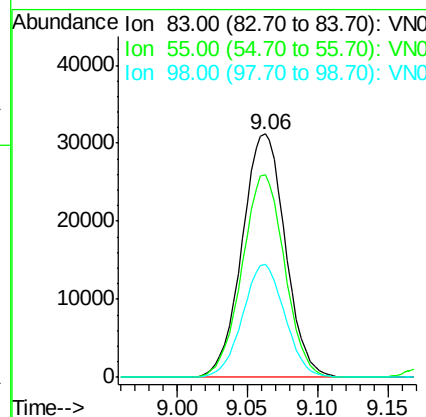
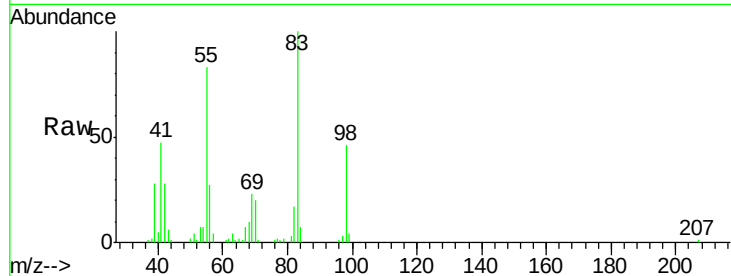
#39
Methylvlcyclohexane
Concen: 18.839 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. 0.00 min
Lab File: VN061013.D
Acq: 16 Apr 2020 15:49

Instrument :
MSVOA_N
ClientSampleId :
VN0416WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.4	65.4	98.0
98	46.2	34.6	51.8

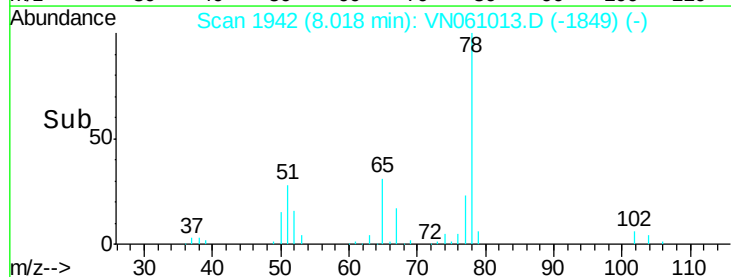
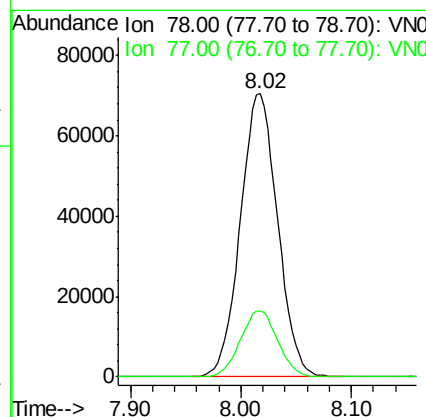
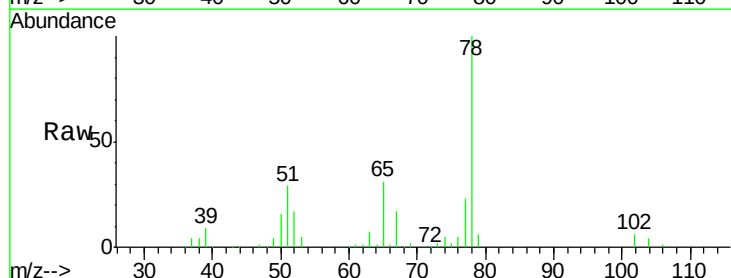
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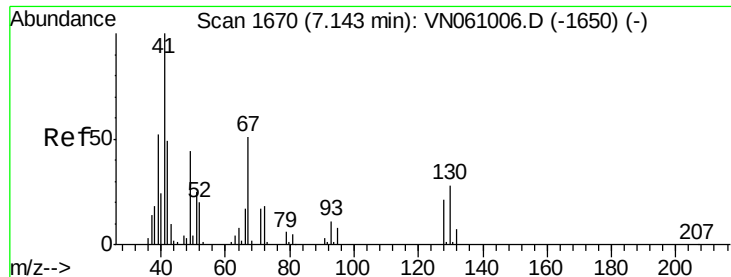
MMDadoda
4/17/2020 11:53:30 AM



#40
Benzene
Concen: 18.714 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. 0.00 min
Lab File: VN061013.D
Acq: 16 Apr 2020 15:49

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.8	28.2





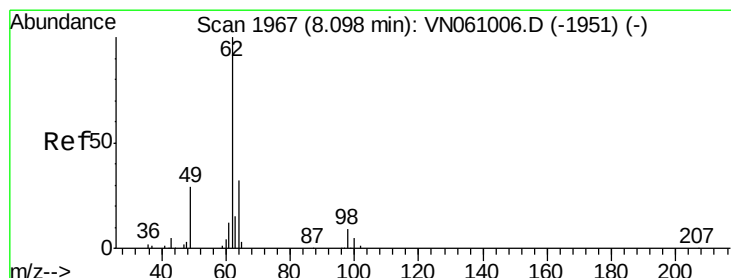
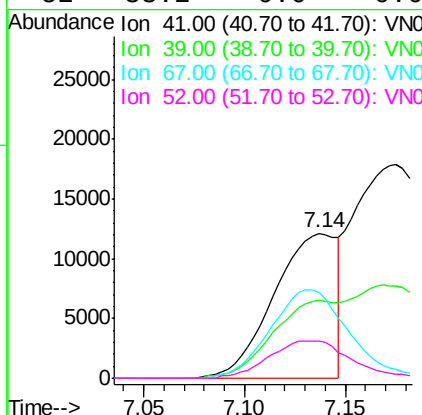
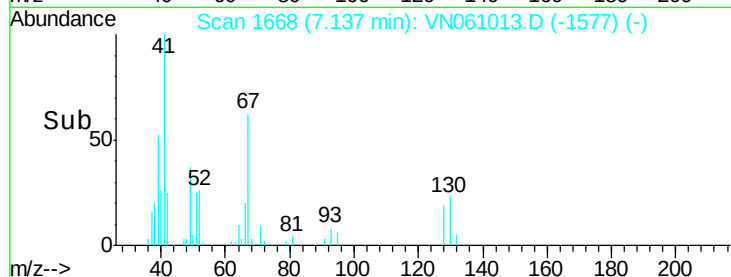
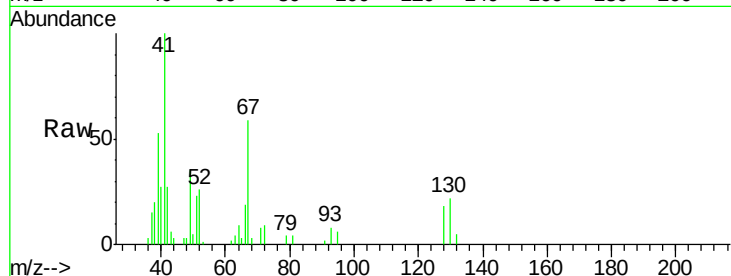
#41
Methacrylonitrile
Concen: 19.696 ug/l
RT: 7.14 min Scan# 1668
Delta R.T. -0.01 min
Lab File: VN061013.D
Acq: 16 Apr 2020 15:49

Instrument :
MSVOA_N
ClientSampleId :
VN0416WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	49.5	0.0	0.0#		
67	75.8	0.0	0.0#		
52	33.2	0.0	0.0#		

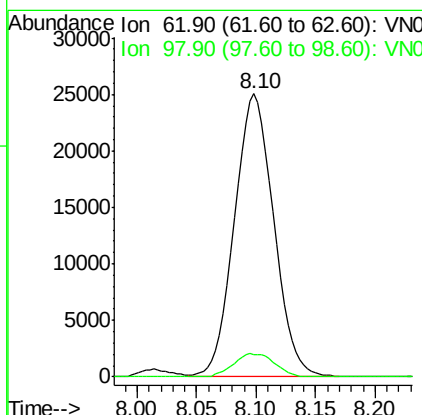
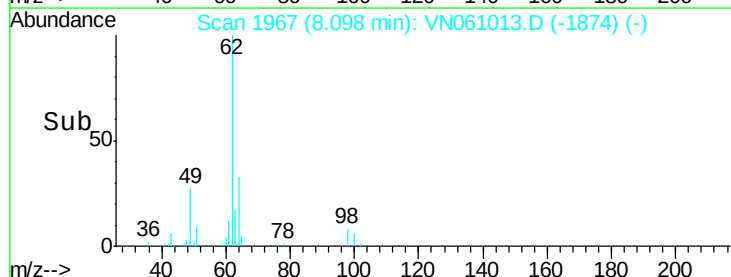
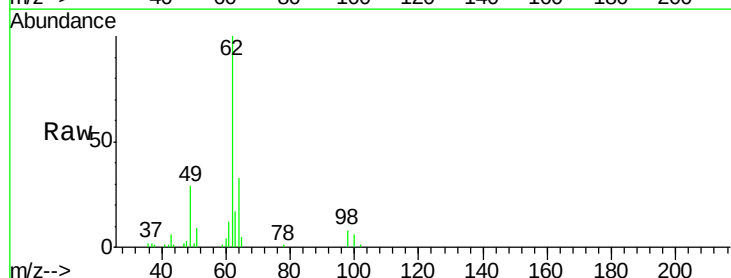
Manual Integrations
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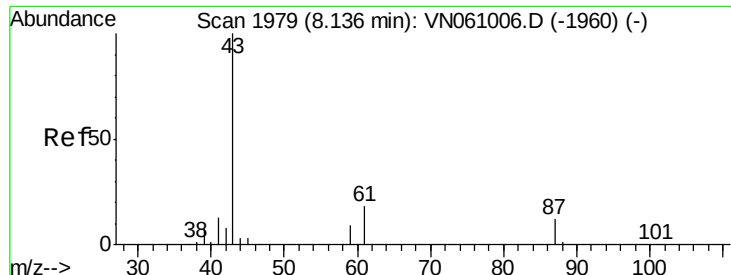
MMDadoda
4/17/2020 11:53:30 AM



#42
1,2-Dichloroethane
Concen: 19.167 ug/l
RT: 8.10 min Scan# 1967
Delta R.T. 0.00 min
Lab File: VN061013.D
Acq: 16 Apr 2020 15:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	8.5	0.0	17.2		





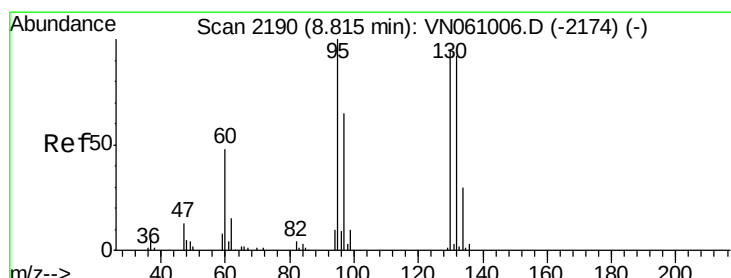
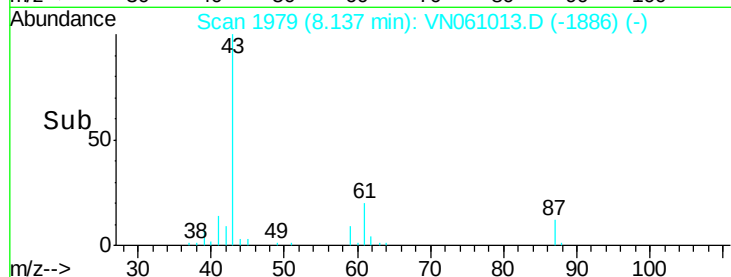
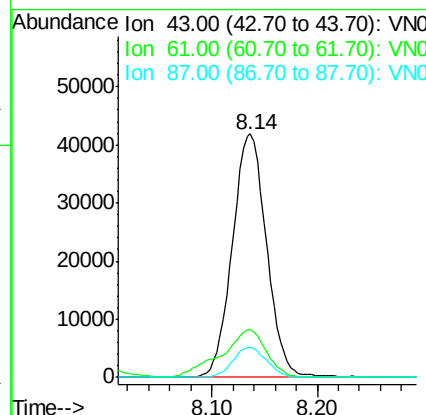
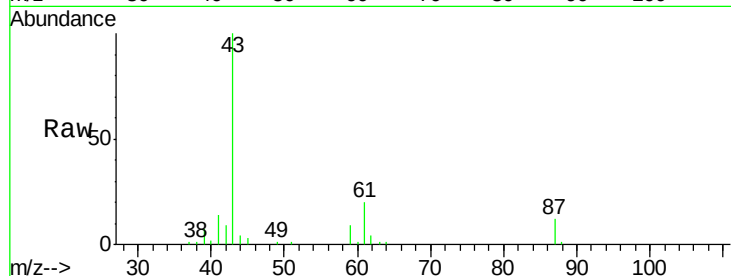
#43
Isopropyl Acetate
Concen: 17.953 ug/l
RT: 8.14 min Scan# 1979
Delta R.T. 0.00 min
Lab File: VN061013.D
Acq: 16 Apr 2020 15:49

Instrument :
MSVOA_N
ClientSampleId :
VN0416WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.8	20.3	30.5
87	12.0	9.4	14.2

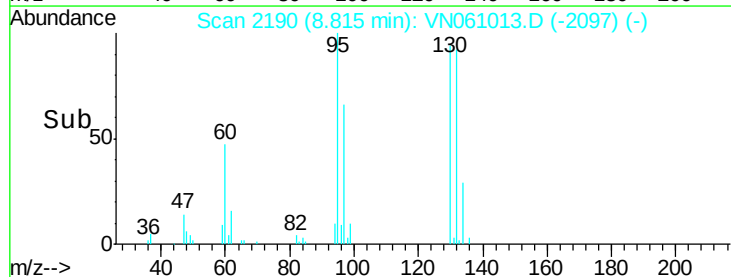
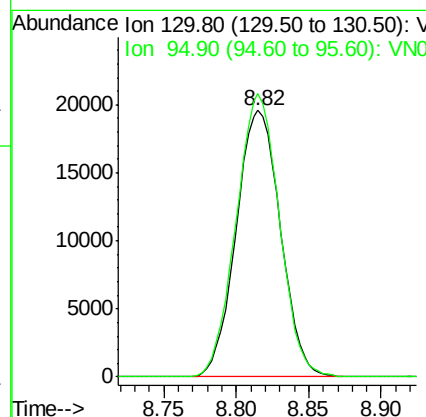
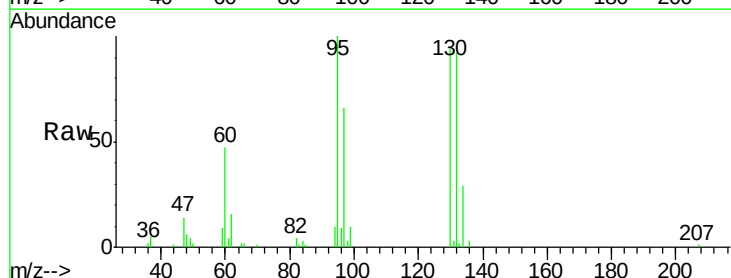
Manual Integrations
APPROVED

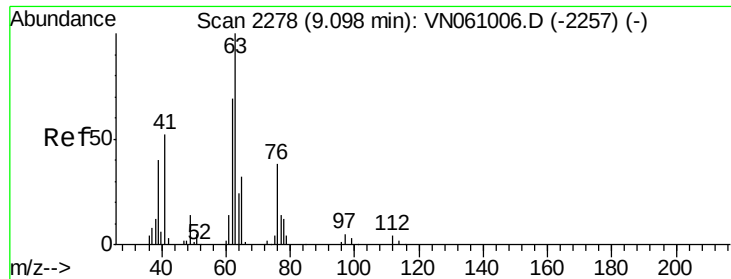
MMDadoda
4/17/2020 11:53:30 AM



#44
Trichloroethene
Concen: 18.765 ug/l
RT: 8.82 min Scan# 2190
Delta R.T. 0.00 min
Lab File: VN061013.D
Acq: 16 Apr 2020 15:49

Tgt Ion	Ratio	Lower	Upper
130	100		
95	106.3	0.0	210.0





#45

1,2-Dichloropropane

Concen: 18.682 ug/l

RT: 9.10 min Scan# 2278

Delta R.T. 0.00 min

Lab File: VN061013.D

Acq: 16 Apr 2020 15:49

Instrument :

MSVOA_N

ClientSampleId :

VN0416WBS01

Tot Ion: 63 Resp: 44403

Ion Ratio Lower Upper

63 100

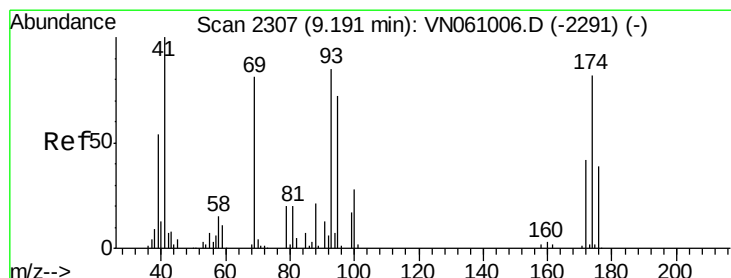
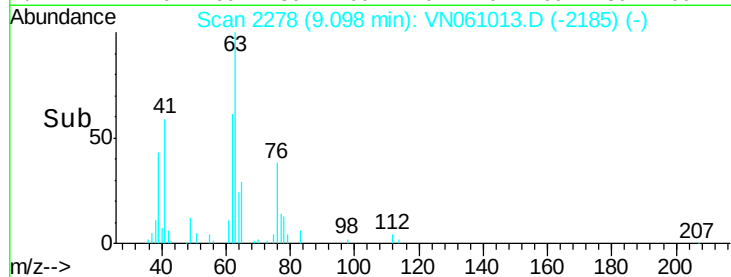
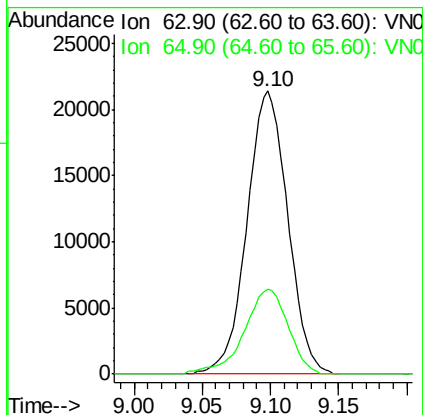
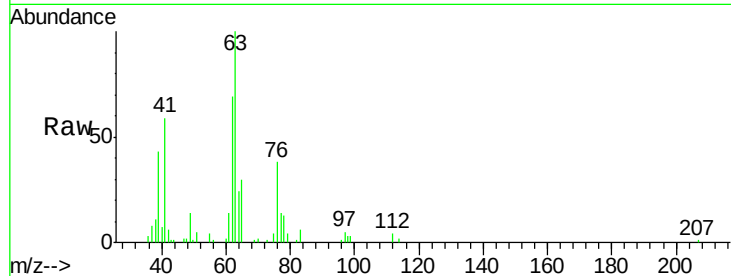
65 30.1 25.2 37.8

Manual Integrations

APPROVED

MMDadoda

4/17/2020 11:53:30 AM



#46

Dibromomethane

Concen: 19.293 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN061013.D

Acq: 16 Apr 2020 15:49

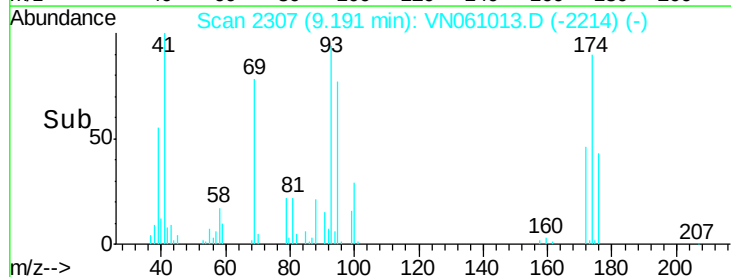
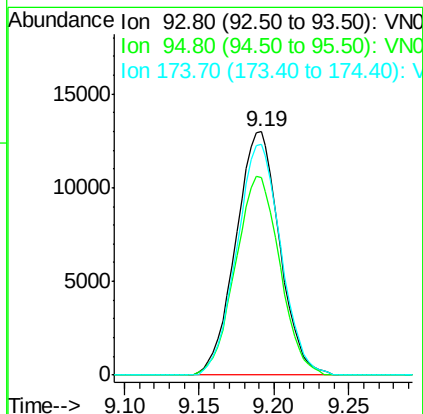
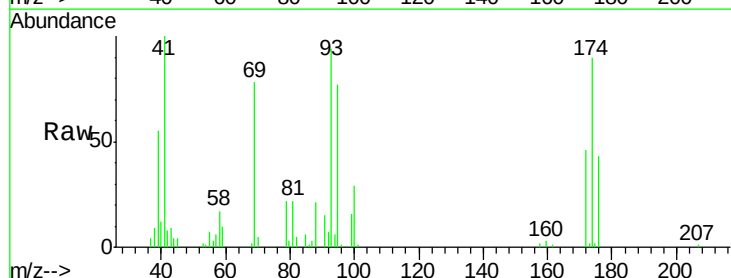
Tgt Ion: 93 Resp: 26438

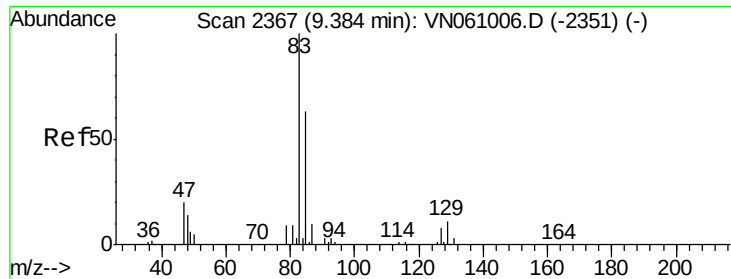
Ion Ratio Lower Upper

93 100

95 82.7 66.8 100.2

174 95.5 76.2 114.4





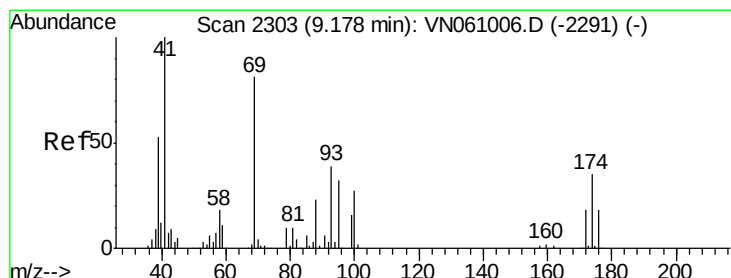
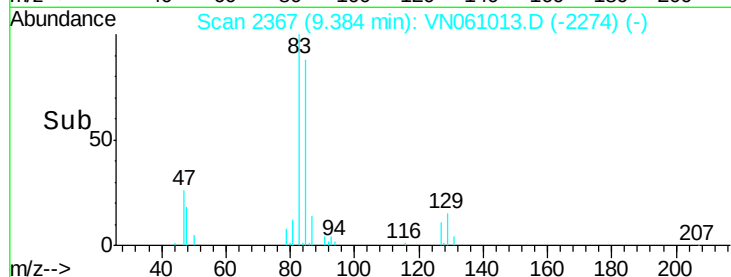
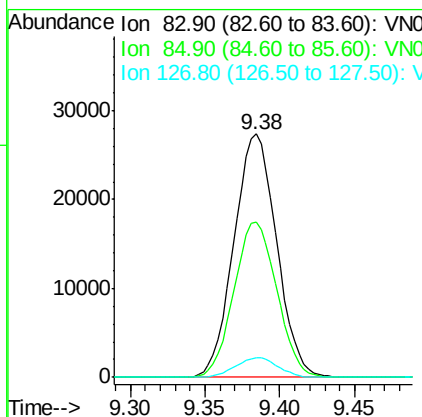
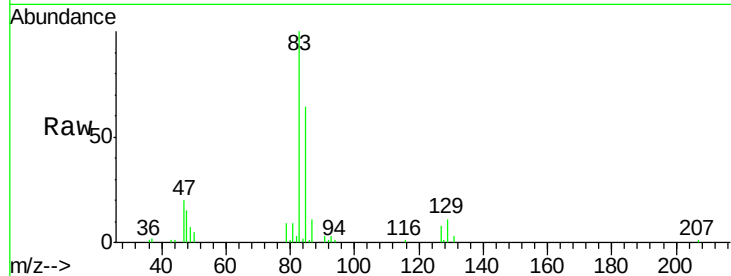
#47
Bromodichloromethane
Concen: 18.768 ug/l
RT: 9.38 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN061013.D
Acq: 16 Apr 2020 15:49

Instrument :
MSVOA_N
ClientSampleId :
VN0416WBS01

Tot Ion	83	Resp	54334
Ion Ratio	100	Lower	Upper
83	100		
85	63.7	50.6	76.0
127	7.9	6.1	9.1

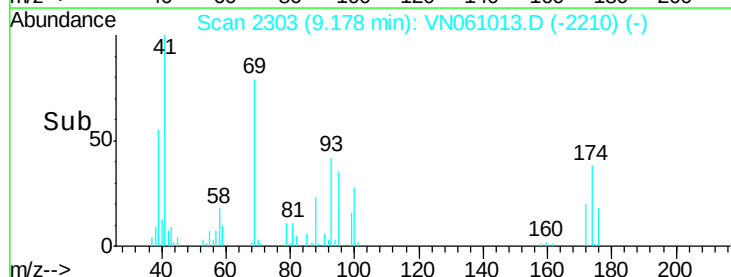
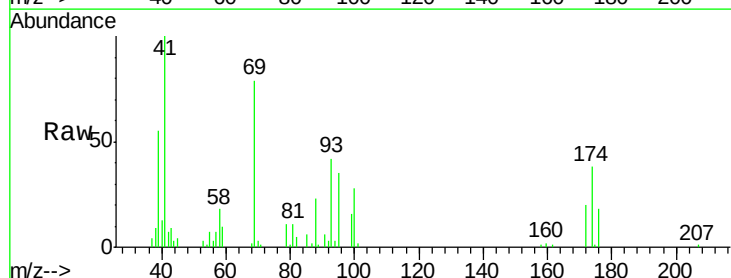
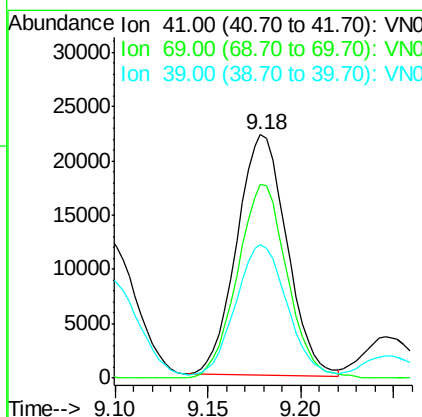
Manual Integrations
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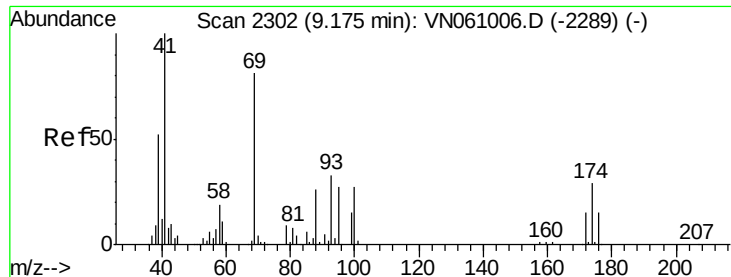
MMDadoda
4/17/2020 11:53:30 AM



#48
Methyl methacrylate
Concen: 17.865 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN061013.D
Acq: 16 Apr 2020 15:49

Tgt Ion	41	Resp	41355
Ion Ratio	100	Lower	Upper
41	100		
69	80.1	65.3	97.9
39	55.4	45.2	67.8





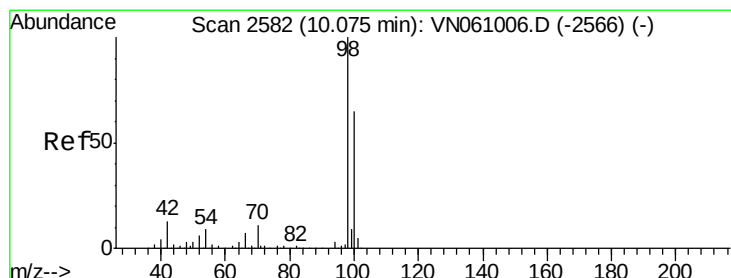
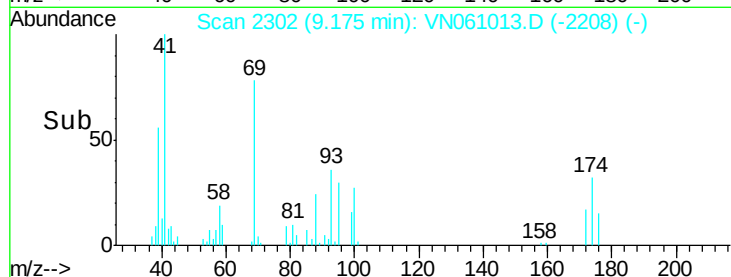
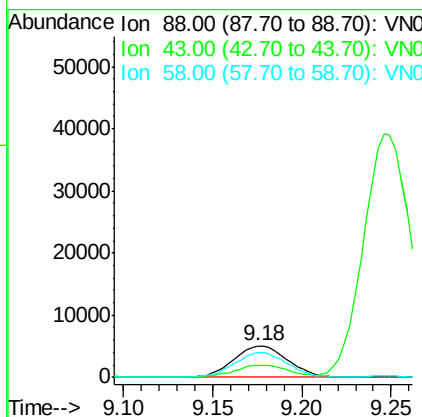
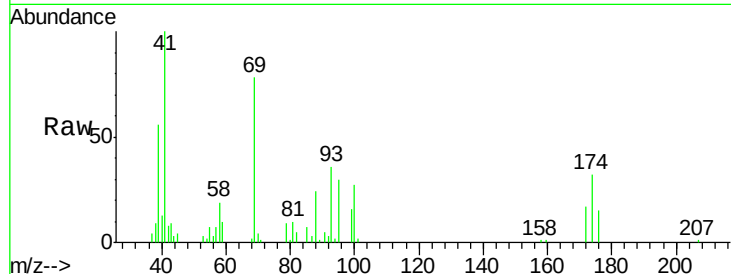
#49
 1,4-Dioxane
 Concen: 339.356 ug/l
 RT: 9.18 min Scan# 2302
 Delta R.T. 0.00 min
 Lab File: VN061013.D
 Acq: 16 Apr 2020 15:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0416WBS01

Tot Ion	Ratio	Resp	Lower	Upper
88	100	10612		
43	38.9		30.9	46.3
58	78.0		59.8	89.8

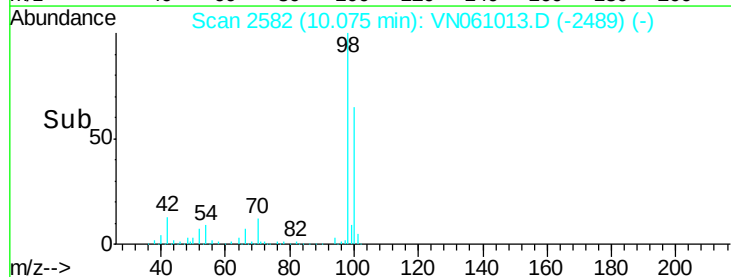
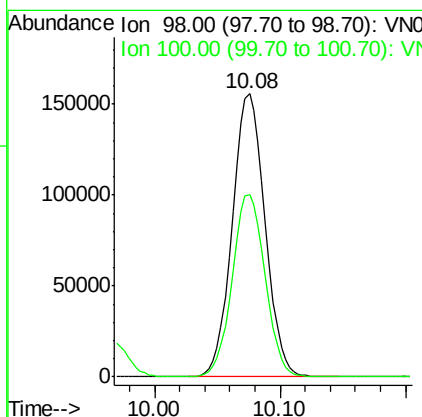
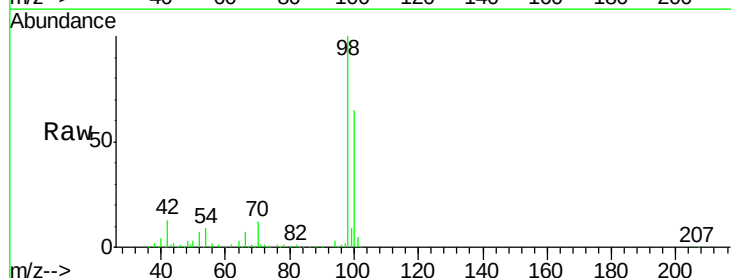
Manual Integrations
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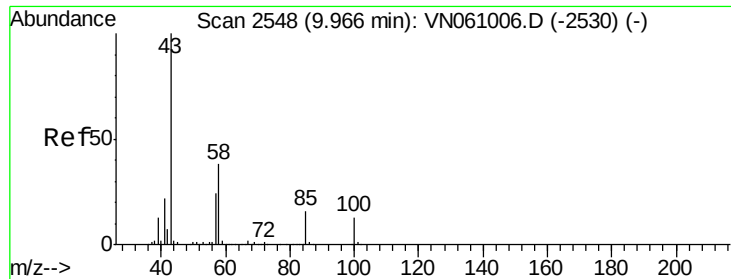
MMDadoda
 4/17/2020 11:53:30 AM



#50
 Toluene-d8
 Concen: 44.491 ug/l
 RT: 10.08 min Scan# 2582
 Delta R.T. 0.00 min
 Lab File: VN061013.D
 Acq: 16 Apr 2020 15:49

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	282218		
100	64.7		51.9	77.9





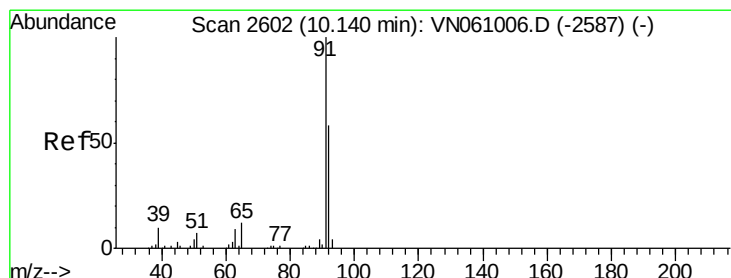
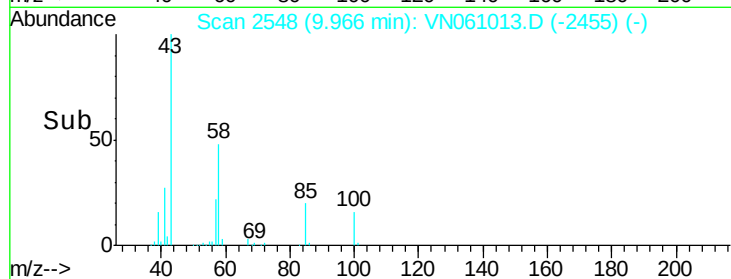
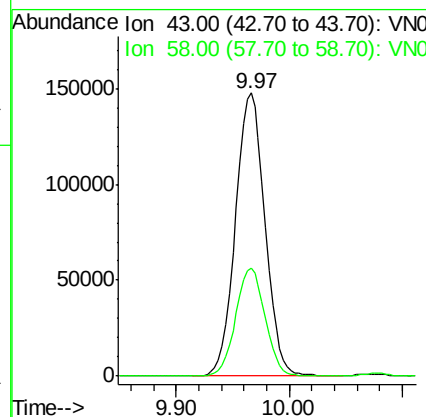
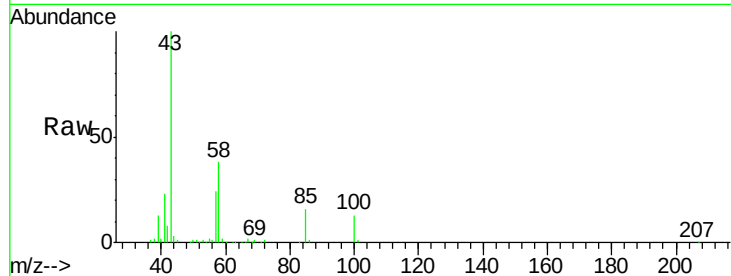
#51
 4-Methyl-2-Pentanone
 Concen: 88.689 ug/l
 RT: 9.97 min Scan# 2548
 Delta R.T. 0.00 min
 Lab File: VN061013.D
 Acq: 16 Apr 2020 15:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0416WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.0	30.3	45.5

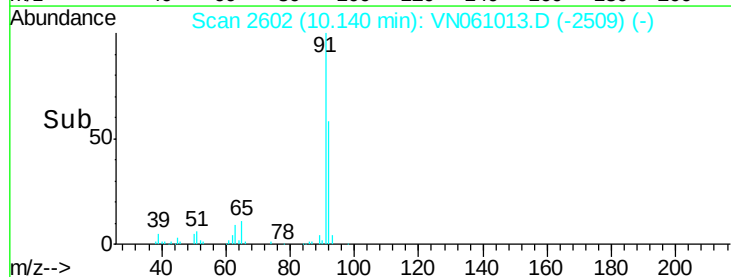
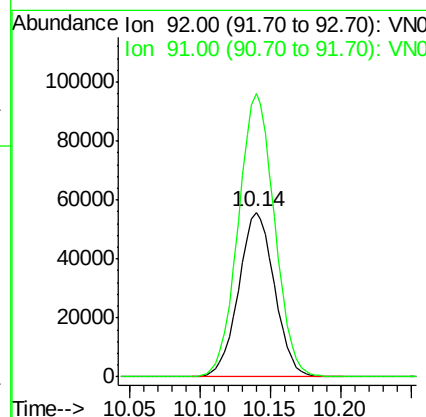
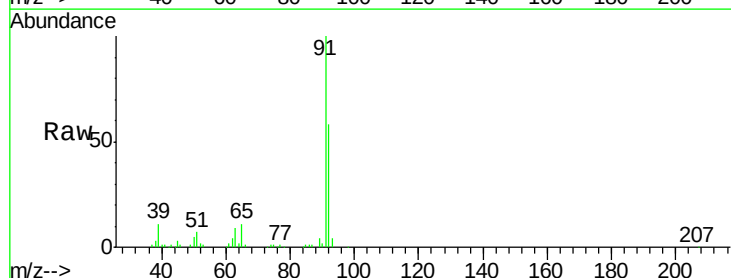
Manual Integrations
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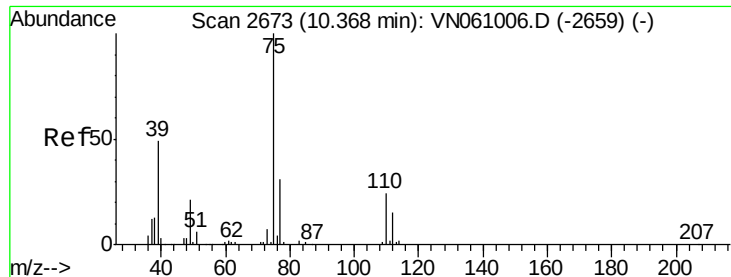
MMDadoda
 4/17/2020 11:53:30 AM



#52
 Toluene
 Concen: 18.769 ug/l
 RT: 10.14 min Scan# 2602
 Delta R.T. 0.00 min
 Lab File: VN061013.D
 Acq: 16 Apr 2020 15:49

Tgt Ion	Ratio	Lower	Upper
92	100		
91	174.3	137.7	206.5





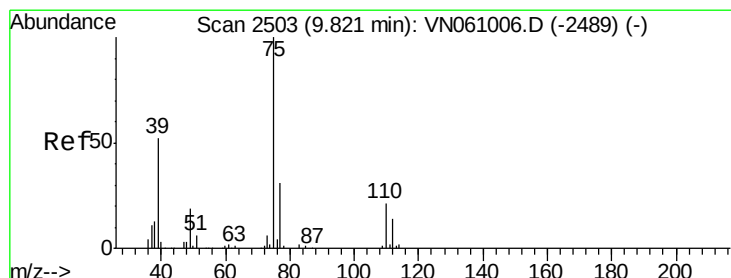
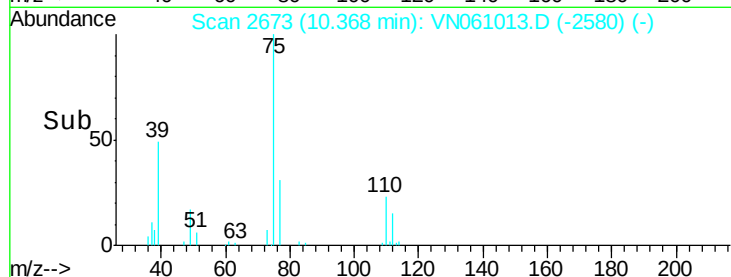
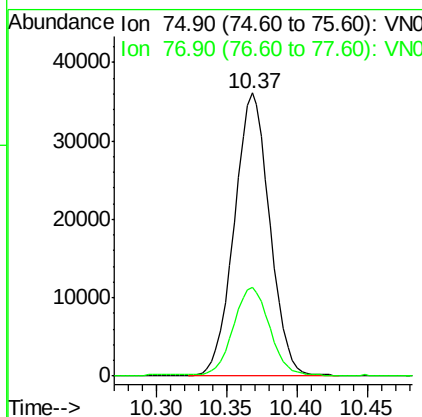
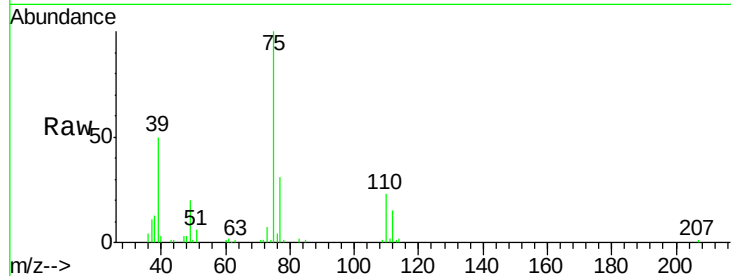
#53
t-1,3-Dichloropropene
Concen: 18.918 ug/l
RT: 10.37 min Scan# 2673
Delta R.T. 0.00 min
Lab File: VN061013.D
Acq: 16 Apr 2020 15:49

Instrument :
MSVOA_N
ClientSampleId :
VN0416WBS01

Tot Ion: 75 Resp: 63616
Ion Ratio Lower Upper
75 100
77 31.2 25.0 37.6

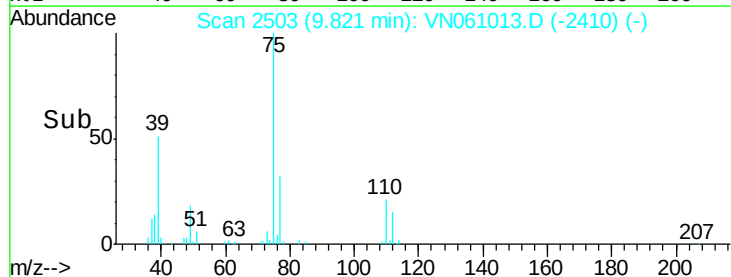
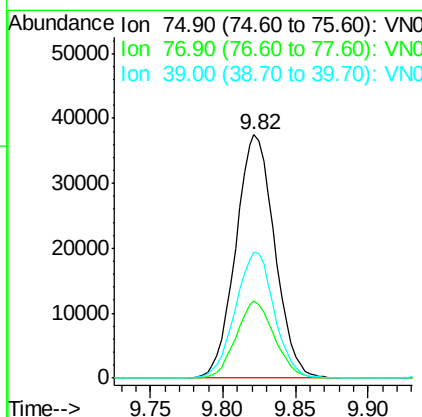
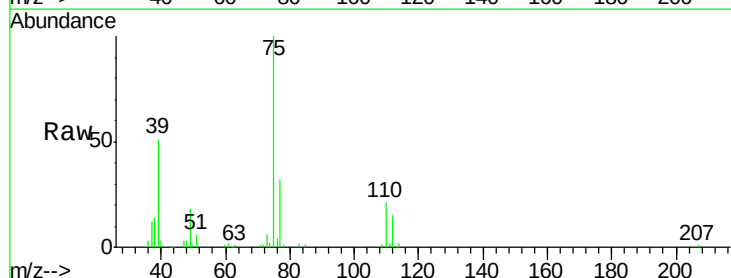
Manual Integrations
APPROVED

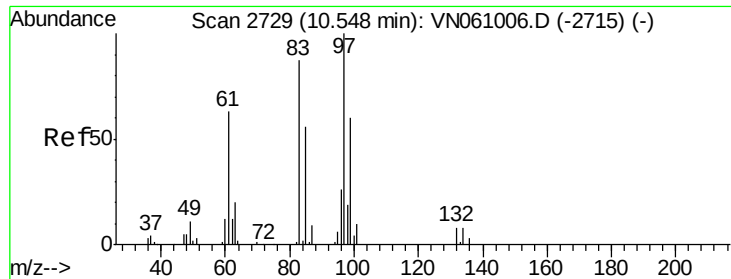
MMDadoda
4/17/2020 11:53:30 AM



#54
cis-1,3-Dichloropropene
Concen: 18.999 ug/l
RT: 9.82 min Scan# 2503
Delta R.T. 0.00 min
Lab File: VN061013.D
Acq: 16 Apr 2020 15:49

Tgt Ion: 75 Resp: 69707
Ion Ratio Lower Upper
75 100
77 31.6 25.0 37.6
39 51.5 41.4 62.2





#55

1,1,2-Trichloroethane

Concen: 18.695 ug/l

RT: 10.55 min Scan# 2729

Delta R.T. 0.00 min

Lab File: VN061013.D

Acq: 16 Apr 2020 15:49

Instrument :

MSVOA_N

ClientSampleId :

VN0416WBS01

Tot Ion: 97 Resp: 37348

Ion Ratio Lower Upper

97 100

83 88.2 69.5 104.3

85 58.4 45.0 67.4

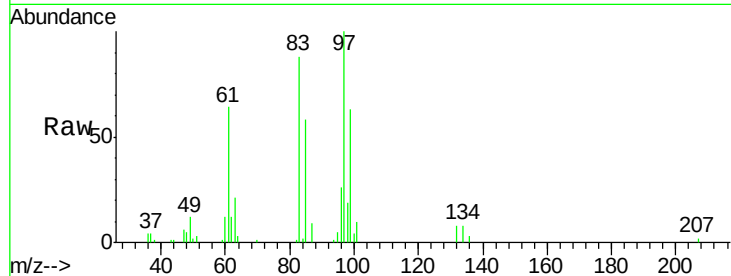
99 62.7 47.9 71.9

Manual Integrations

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MMDadoda

4/17/2020 11:53:30 AM

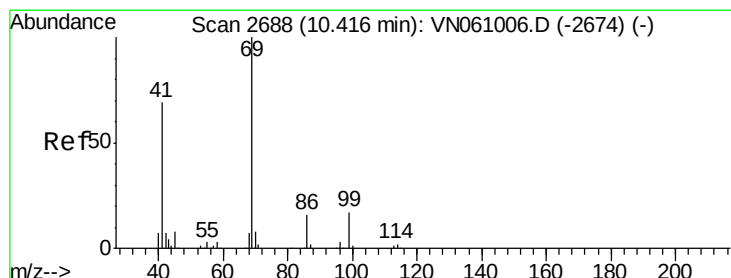
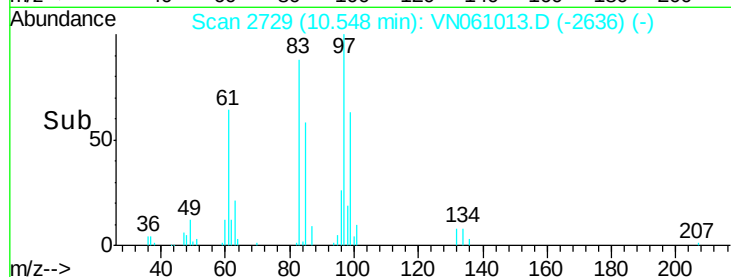
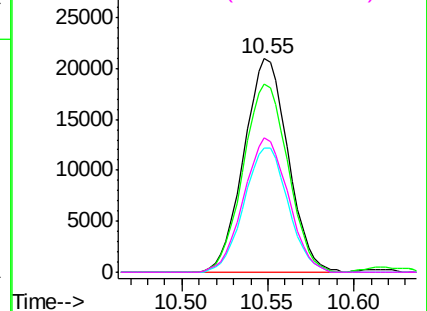


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 18.297 ug/l

RT: 10.42 min Scan# 2688

Delta R.T. 0.00 min

Lab File: VN061013.D

Acq: 16 Apr 2020 15:49

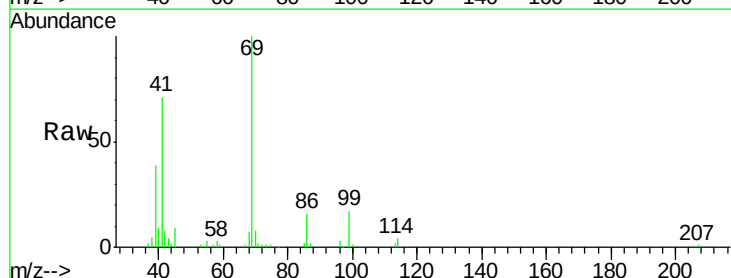
Tgt Ion: 69 Resp: 57480

Ion Ratio Lower Upper

69 100

41 71.3 56.7 85.1

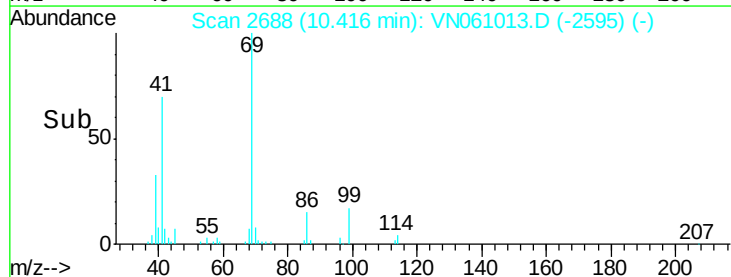
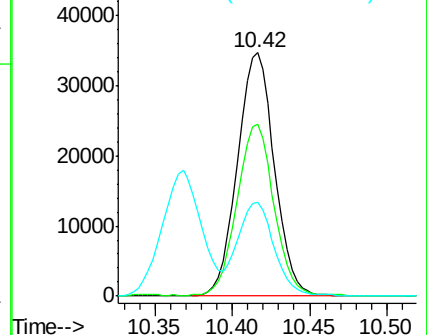
39 38.4 29.4 44.0

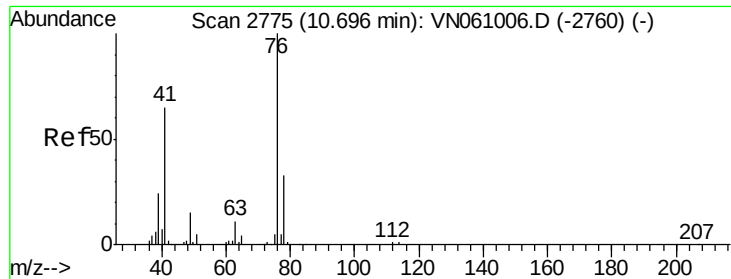


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





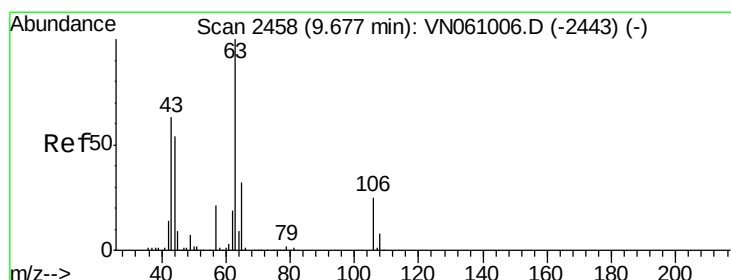
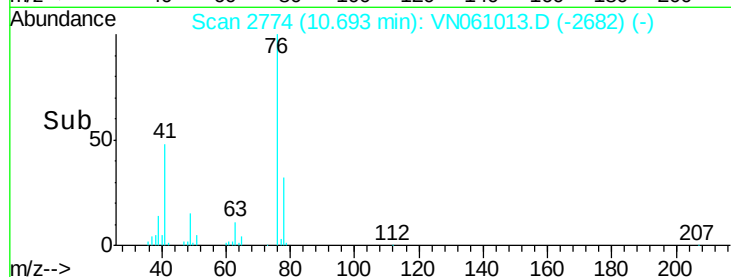
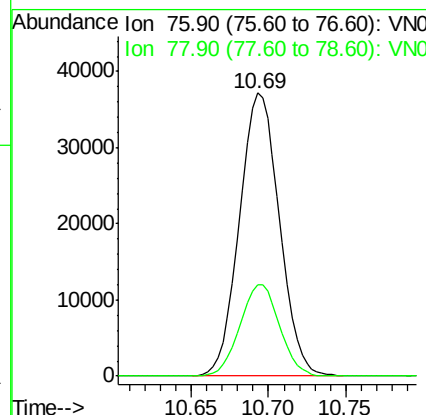
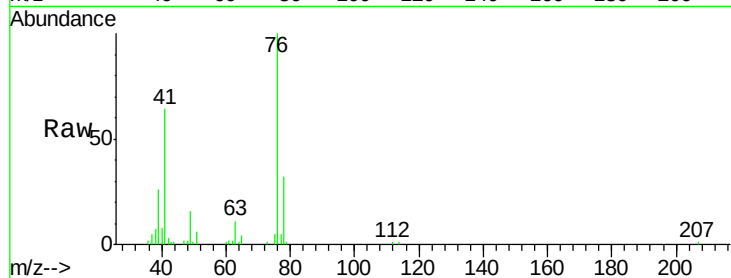
#57
 1,3-Dichloropropane
 Concen: 18.698 ug/l
 RT: 10.69 min Scan# 2774
 Delta R.T. -0.00 min
 Lab File: VN061013.D
 Acq: 16 Apr 2020 15:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0416WBS01

Tot Ion: 76 Resp: 66630
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.4 38.0

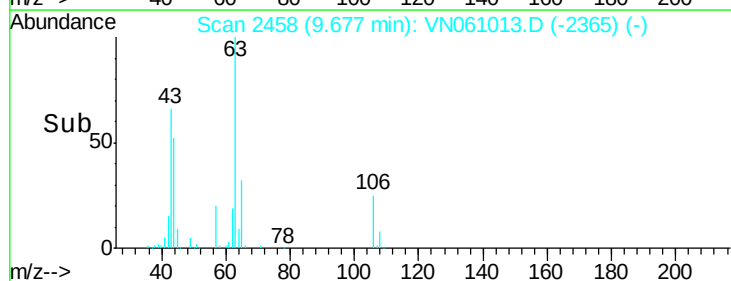
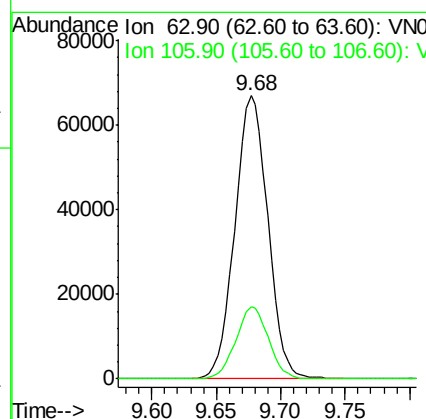
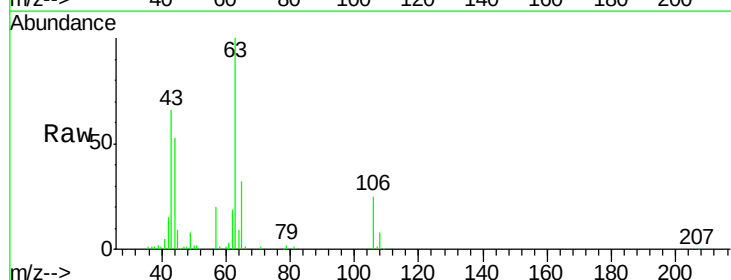
Manual Integrations
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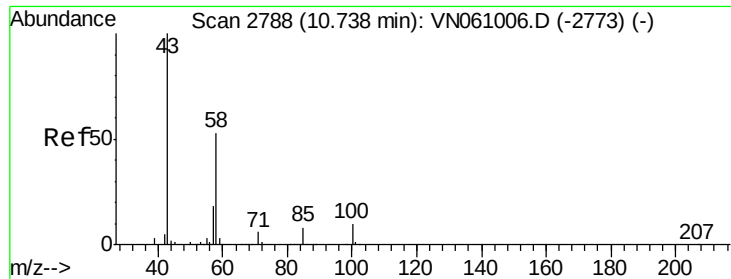
MMDadoda
 4/17/2020 11:53:30 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 83.299 ug/l
 RT: 9.68 min Scan# 2458
 Delta R.T. 0.00 min
 Lab File: VN061013.D
 Acq: 16 Apr 2020 15:49

Tgt Ion: 63 Resp: 118907
 Ion Ratio Lower Upper
 63 100
 106 25.0 19.5 29.3





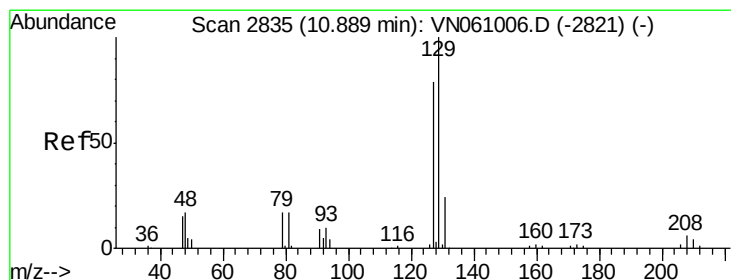
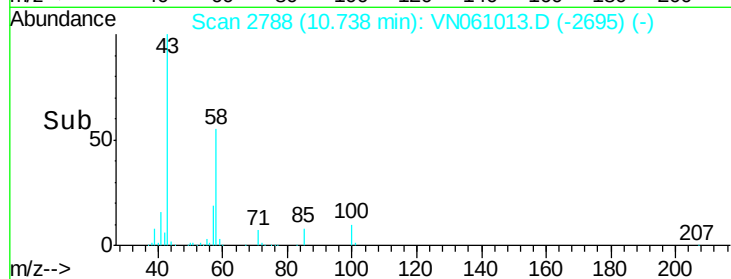
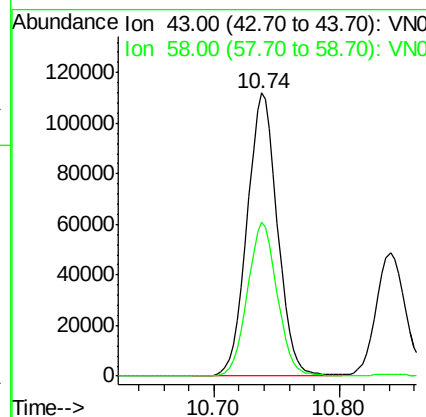
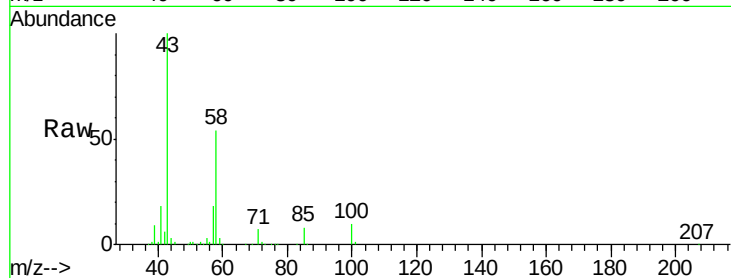
#59
2-Hexanone
Concen: 86.582 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. 0.00 min
Lab File: VN061013.D
Acq: 16 Apr 2020 15:49

Instrument :
MSVOA_N
ClientSampleId :
VN0416WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.4	26.4	79.0

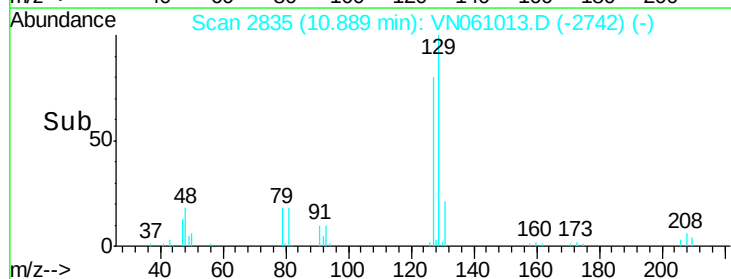
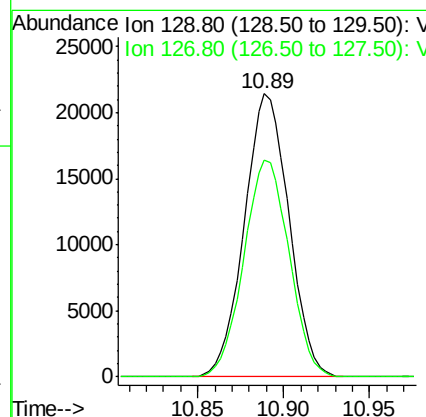
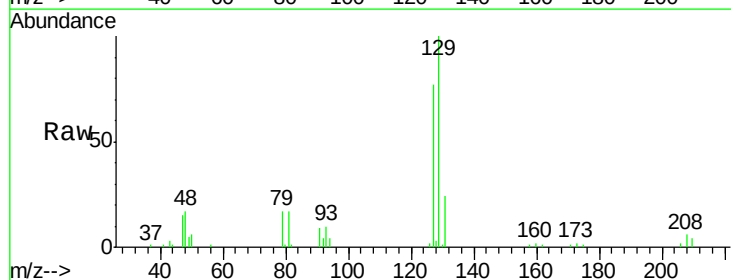
Manual Integrations
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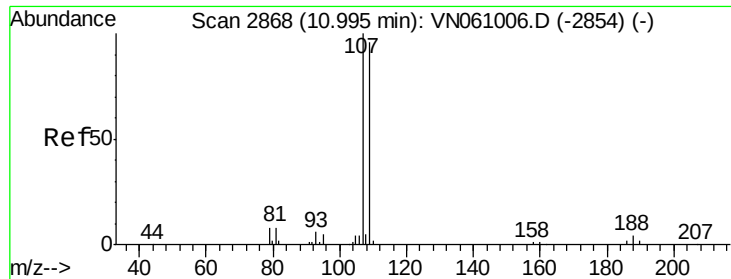
MMDadoda
4/17/2020 11:53:30 AM



#60
Dibromochloromethane
Concen: 18.727 ug/l
RT: 10.89 min Scan# 2835
Delta R.T. 0.00 min
Lab File: VN061013.D
Acq: 16 Apr 2020 15:49

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.8	39.0	116.9





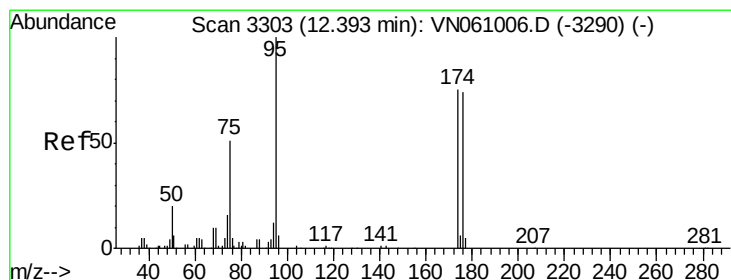
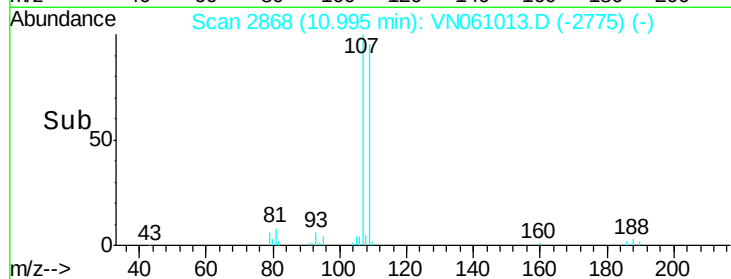
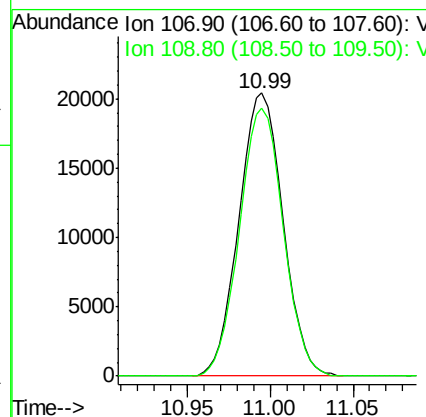
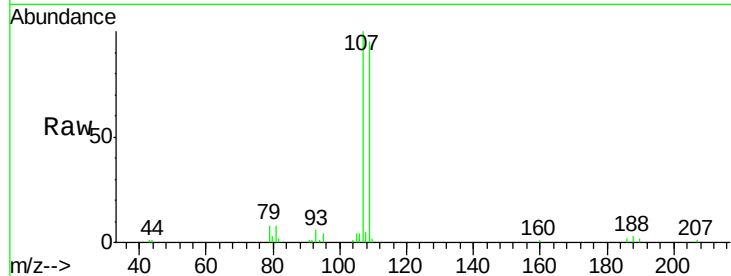
#61
 1,2-Dibromoethane
 Concen: 18.557 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. 0.00 min
 Lab File: VN061013.D
 Acq: 16 Apr 2020 15:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0416WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.3	75.9	113.9

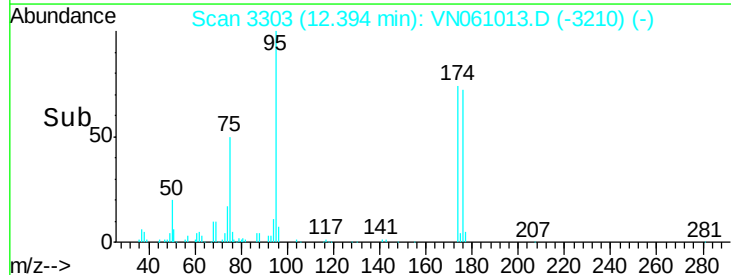
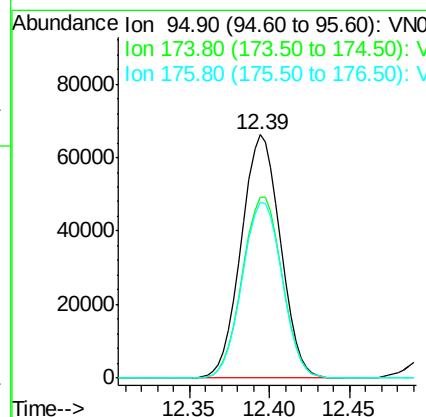
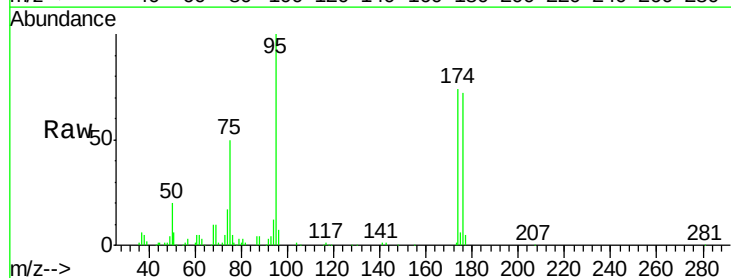
Manual Integrations
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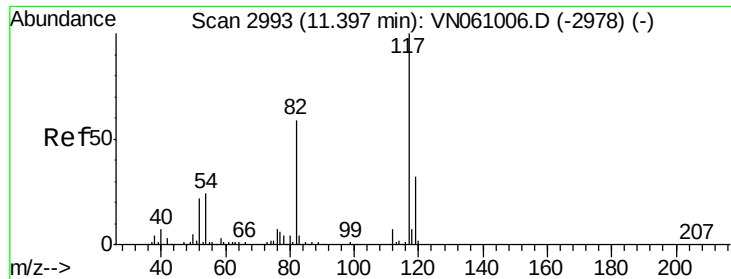
MMDadoda
 4/17/2020 11:53:30 AM



#62
 4-Bromofluorobenzene
 Concen: 44.476 ug/l
 RT: 12.39 min Scan# 3303
 Delta R.T. 0.00 min
 Lab File: VN061013.D
 Acq: 16 Apr 2020 15:49

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.7	0.0	151.2
176	73.7	0.0	148.2





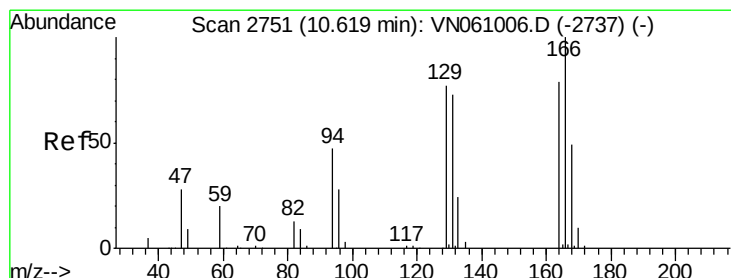
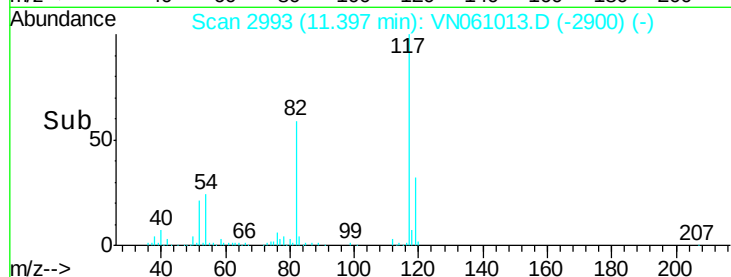
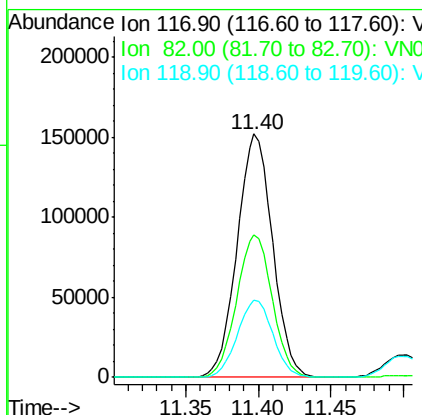
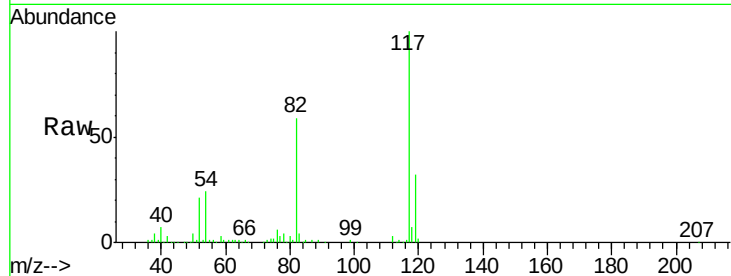
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2993
Delta R.T. 0.00 min
Lab File: VN061013.D
Acq: 16 Apr 2020 15:49

Instrument :
MSVOA_N
ClientSampleId :
VN0416WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	257966		
82	58.6		47.1	70.7
119	31.7		25.7	38.5

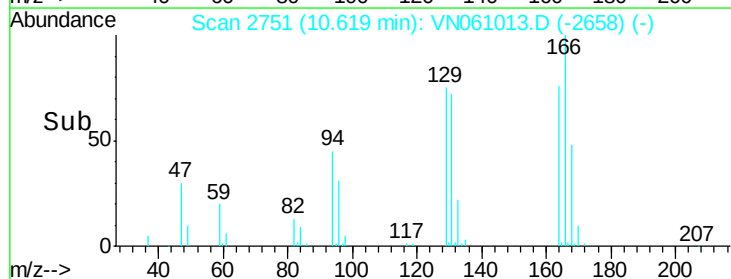
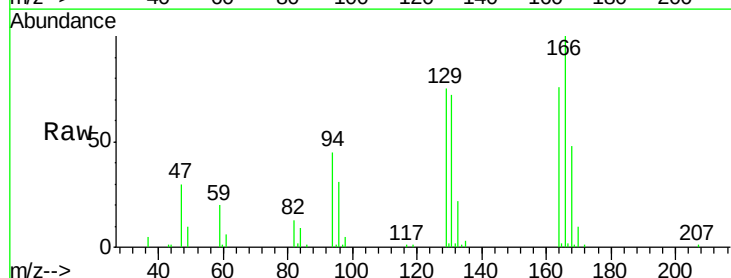
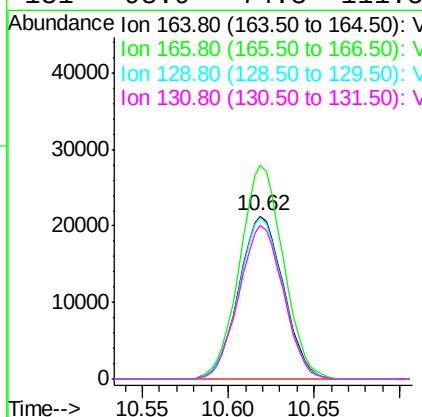
Manual Integrations
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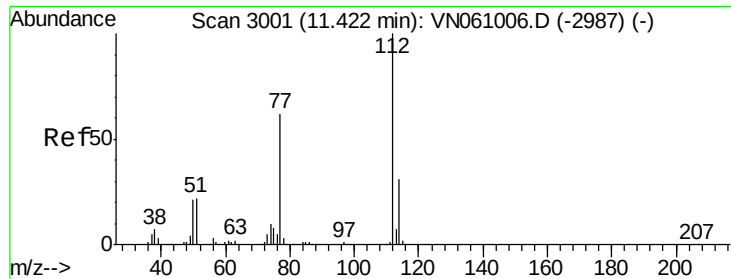
MMDadoda
4/17/2020 11:53:30 AM



#64
Tetrachloroethene
Concen: 19.421 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. 0.00 min
Lab File: VN061013.D
Acq: 16 Apr 2020 15:49

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	38337		
166	130.9		101.6	152.4
129	98.5		78.5	117.7
131	93.9		74.3	111.5





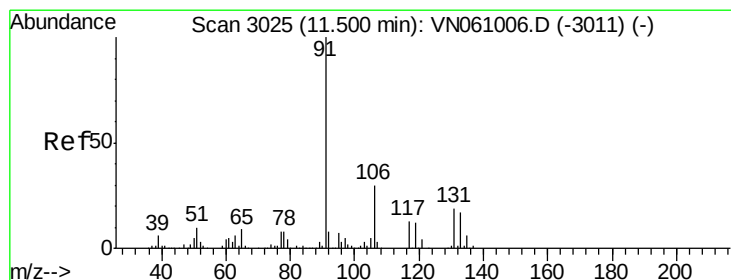
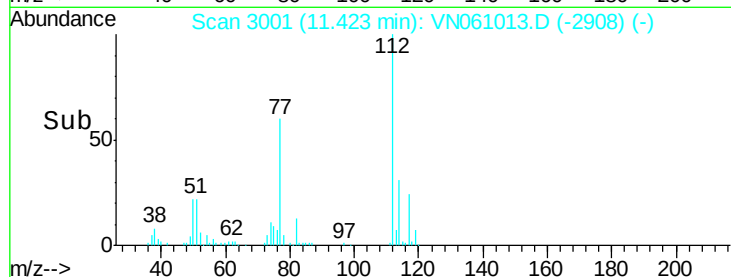
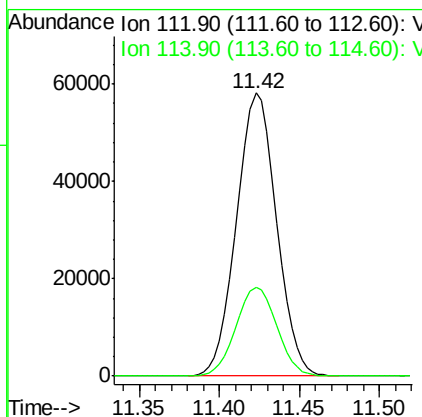
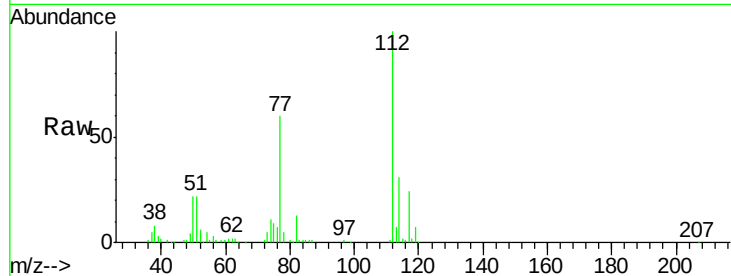
#65
Chlorobenzene
Concen: 18.618 ug/l
RT: 11.42 min Scan# 3001
Delta R.T. 0.00 min
Lab File: VN061013.D
Acq: 16 Apr 2020 15:49

Instrument :
MSVOA_N
ClientSampleId :
VN0416WBS01

Tot Ion:112 Resp: 99148
Ion Ratio Lower Upper
112 100
114 31.4 25.1 37.7

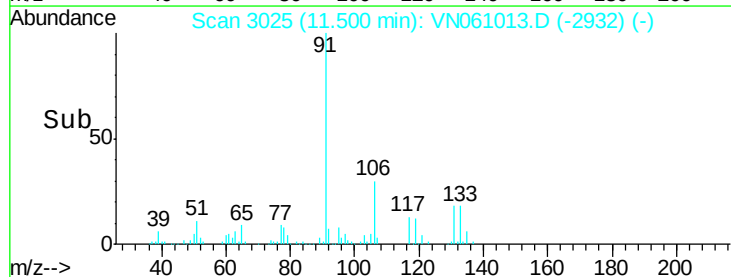
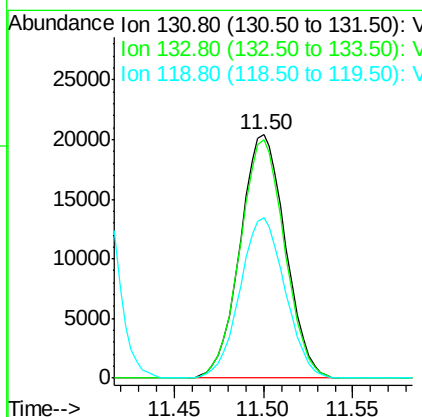
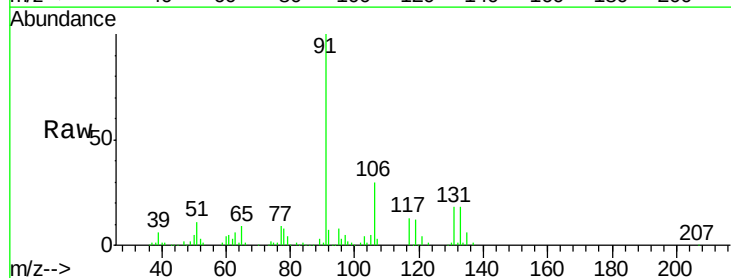
Manual Integrations
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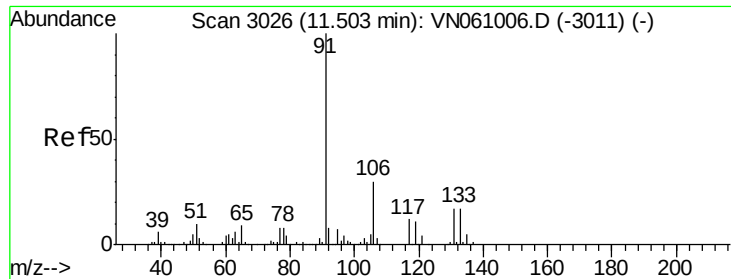
MMDadoda
4/17/2020 11:53:30 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.026 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. 0.00 min
Lab File: VN061013.D
Acq: 16 Apr 2020 15:49

Tgt Ion:131 Resp: 36250
Ion Ratio Lower Upper
131 100
133 96.2 47.9 143.8
119 65.6 33.3 99.8





#67

Ethyl Benzene

Concen: 18.952 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN061013.D

Acq: 16 Apr 2020 15:49

Instrument :

MSVOA_N

ClientSampled :

VN0416WBS01

Tot Ion: 91 Resp: 189845

Ion Ratio Lower Upper

91 100

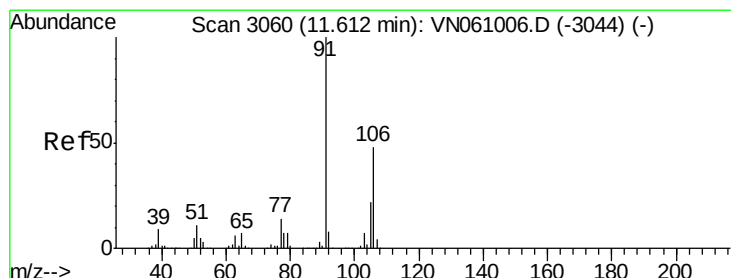
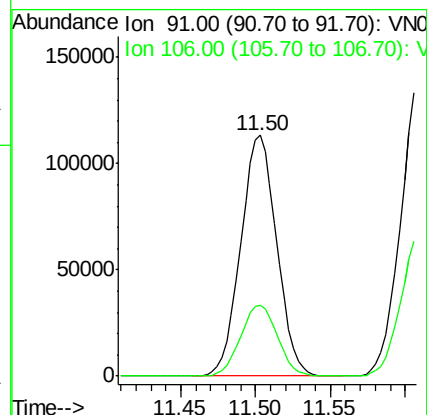
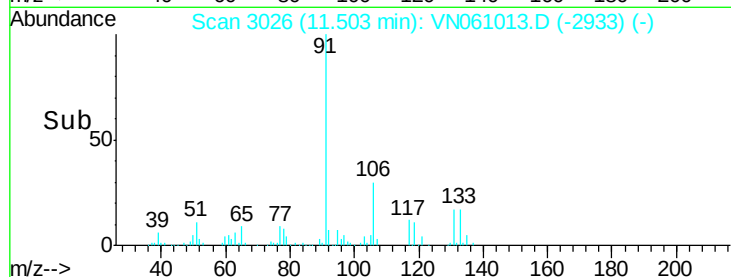
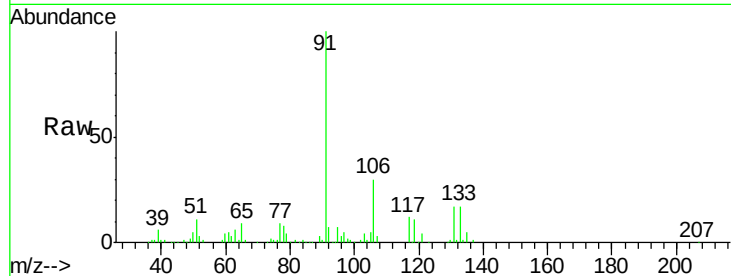
106 29.5 23.8 35.8

Manual Integrations

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#68

m/p-Xylenes

Concen: 38.377 ug/l

RT: 11.61 min Scan# 3060

Delta R.T. 0.00 min

Lab File: VN061013.D

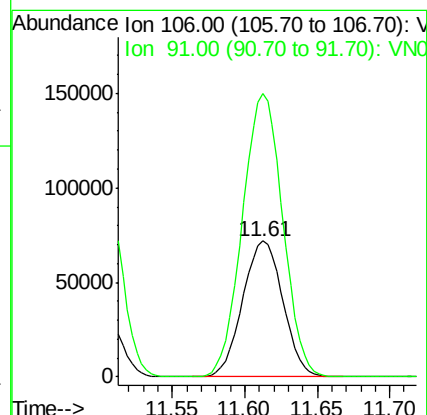
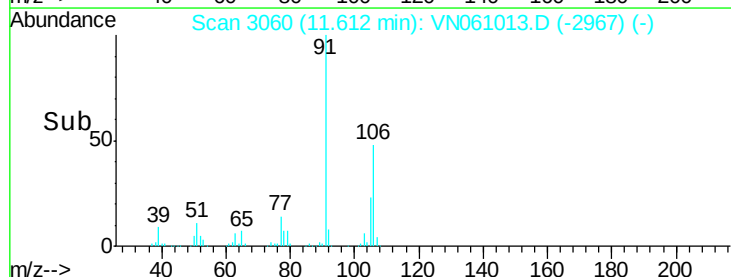
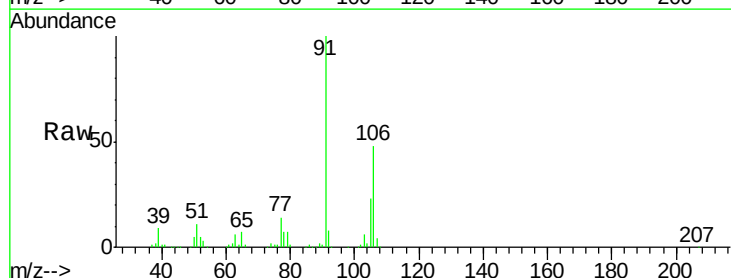
Acq: 16 Apr 2020 15:49

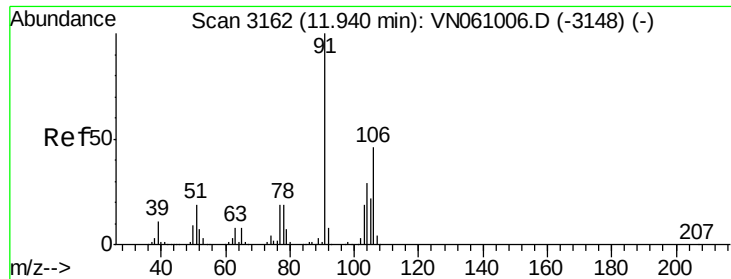
Tgt Ion: 106 Resp: 138933

Ion Ratio Lower Upper

106 100

91 208.7 167.9 251.9





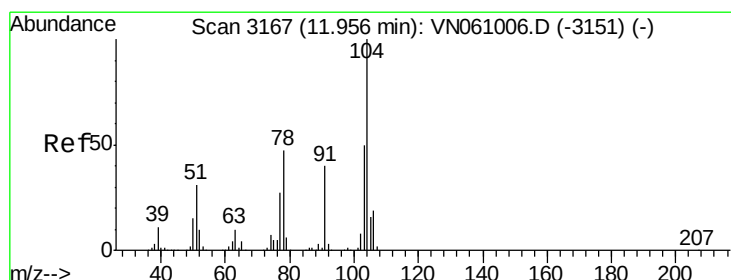
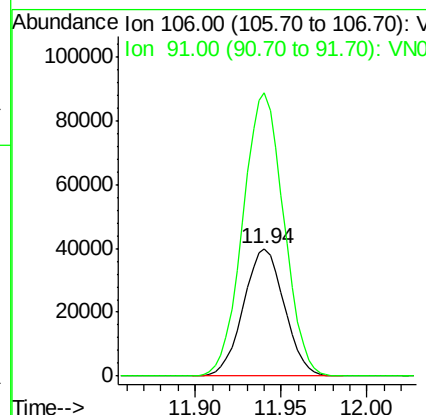
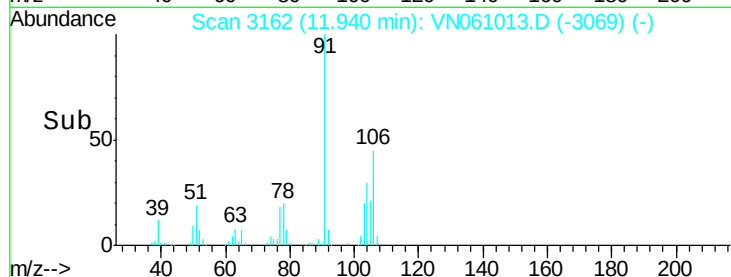
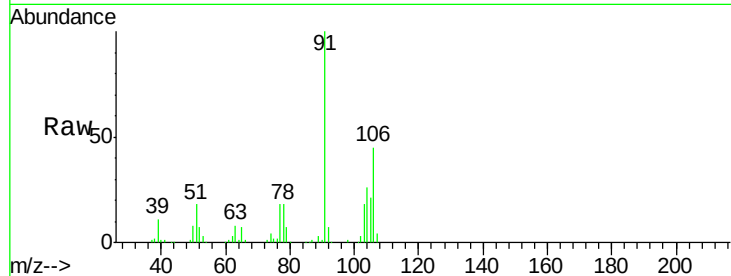
#69
o-Xylene
Concen: 18.920 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN061013.D
Acq: 16 Apr 2020 15:49

Instrument :
MSVOA_N
ClientSampled :
VN0416WBS01

Tot Ion:106 Resp: 65855
Ion Ratio Lower Upper
106 100
91 222.5 110.7 332.1

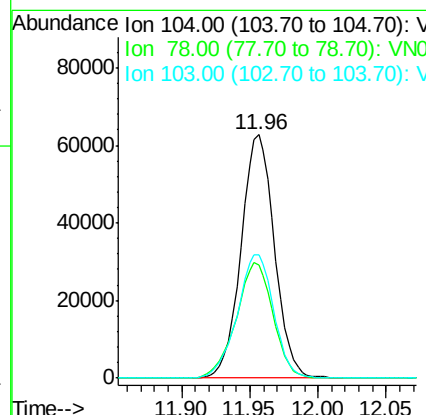
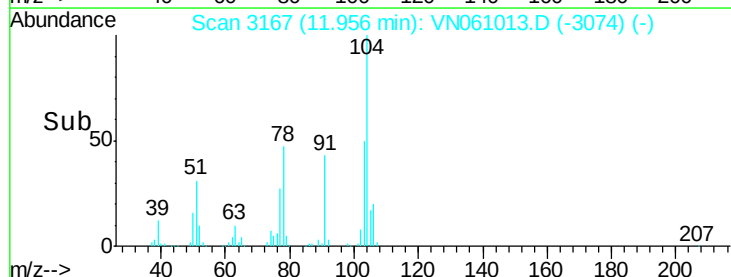
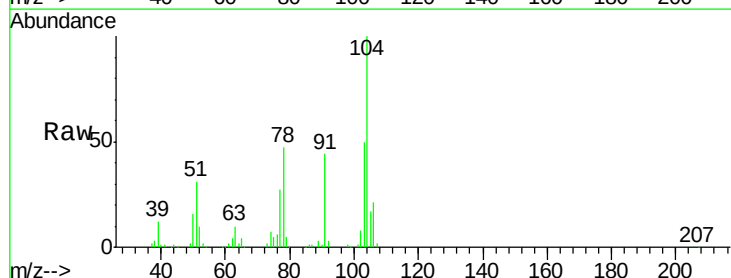
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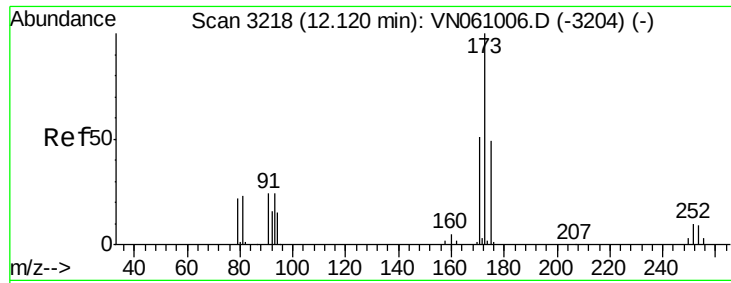
MMDadoda
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#70
Styrene
Concen: 19.053 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN061013.D
Acq: 16 Apr 2020 15:49

Tgt Ion:104 Resp: 106765
Ion Ratio Lower Upper
104 100
78 52.0 42.2 63.4
103 54.9 44.4 66.6





#71

Bromoform

Concen: 18.546 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN061013.D

Acq: 16 Apr 2020 15:49

Instrument :

MSVOA_N

ClientSampleId :

VN0416WBS01

Tot Ion:173 Resp: 26375

Ion Ratio Lower Upper

173 100

175 48.4 24.5 73.5

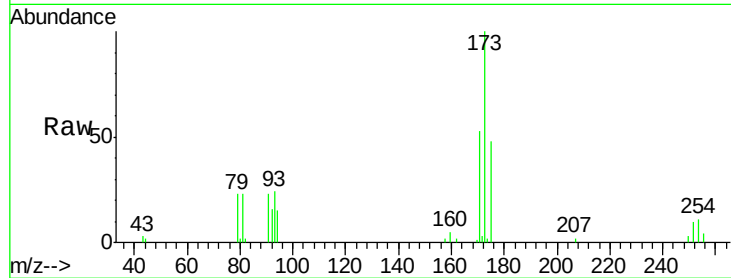
254 0.0 0.0 0.0

Manual Integrations

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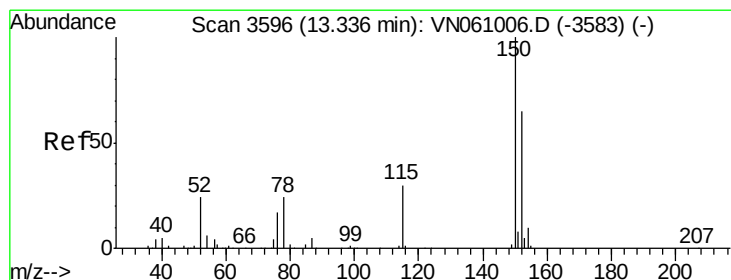
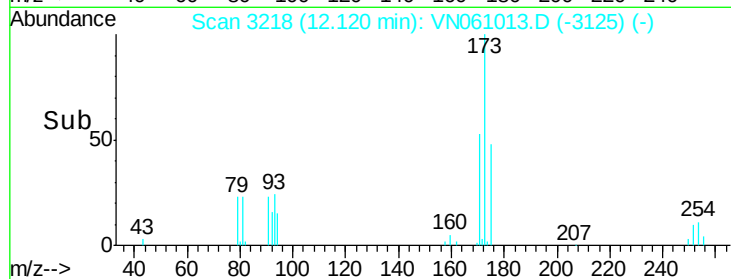
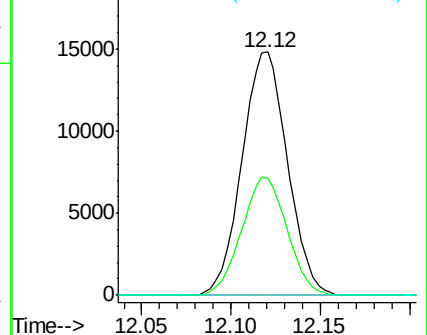
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN061013.D

Acq: 16 Apr 2020 15:49

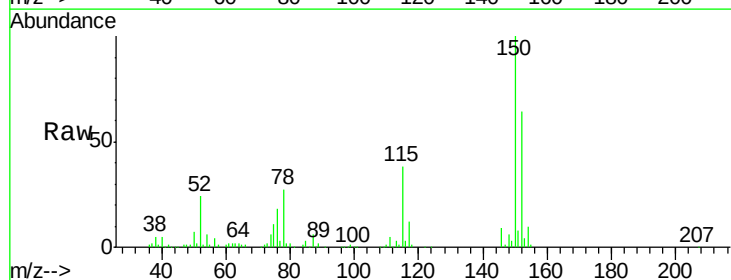
Tgt Ion:152 Resp: 116665

Ion Ratio Lower Upper

152 100

115 61.6 30.8 92.4

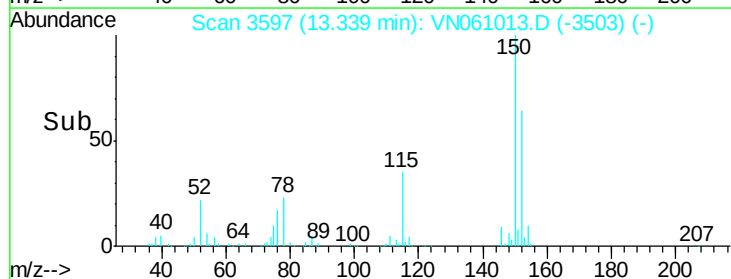
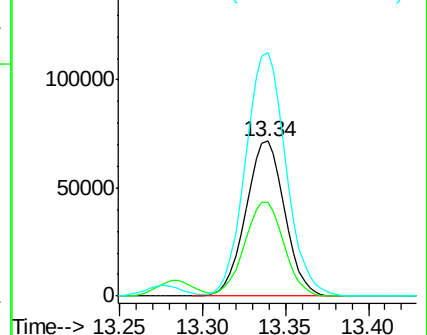
150 164.7 0.0 349.0

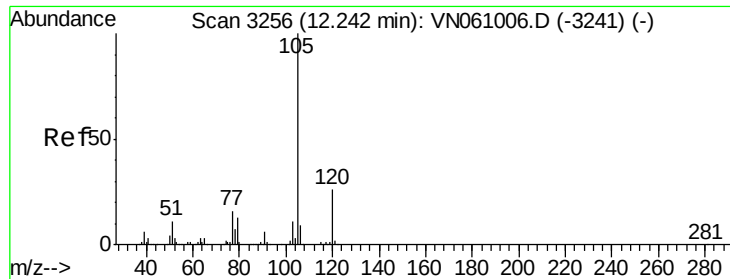


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.201 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. 0.00 min

Lab File: VN061013.D

Acq: 16 Apr 2020 15:49

Instrument :

MSVOA_N

ClientSampleId :

VN0416WBS01

Tot Ion: 105 Resp: 179468

Ion Ratio Lower Upper

105 100

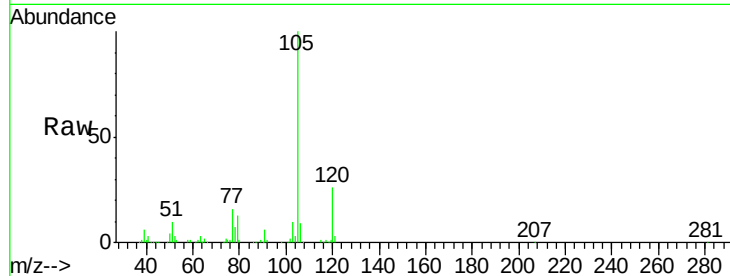
120 25.8 13.0 38.9

Manual Integrations

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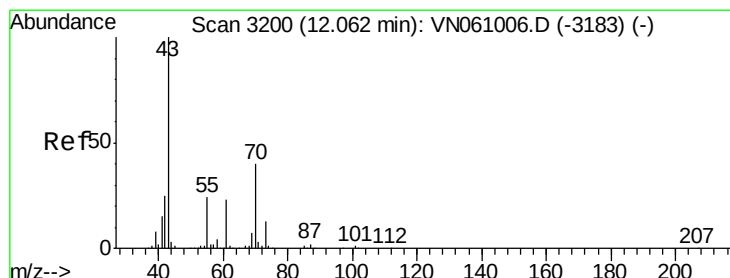
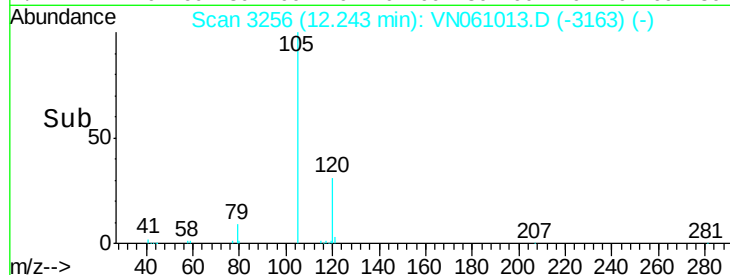
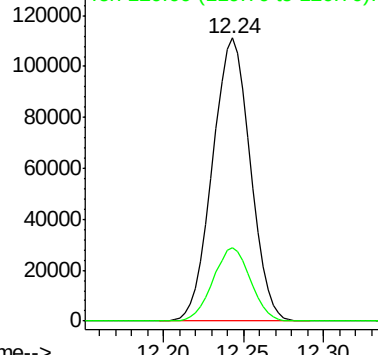
MMDadoda

4/17/2020 11:53:30 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 17.698 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN061013.D

Acq: 16 Apr 2020 15:49

Tgt Ion: 43 Resp: 76923

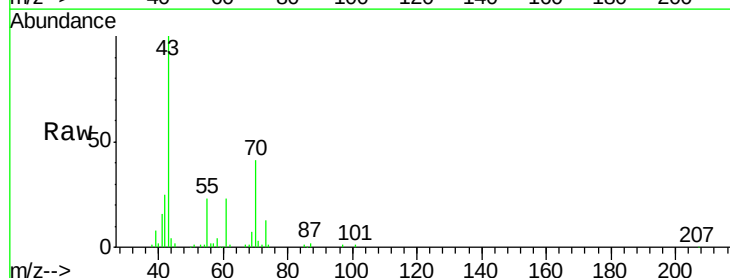
Ion Ratio Lower Upper

43 100

70 39.4 31.0 46.6

55 23.3 18.6 27.8

61 23.1 18.2 27.4

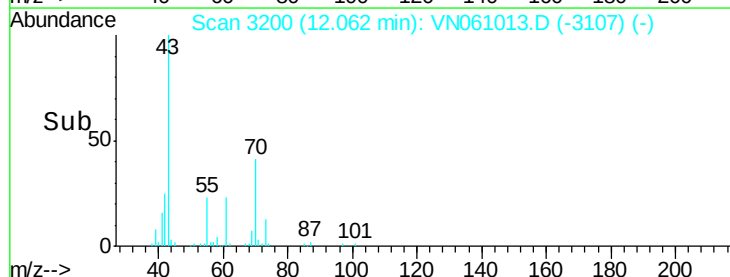
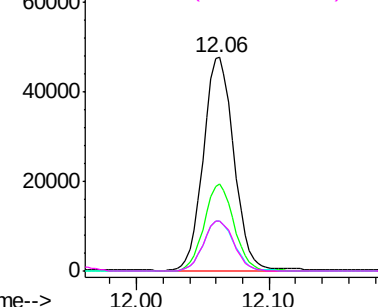


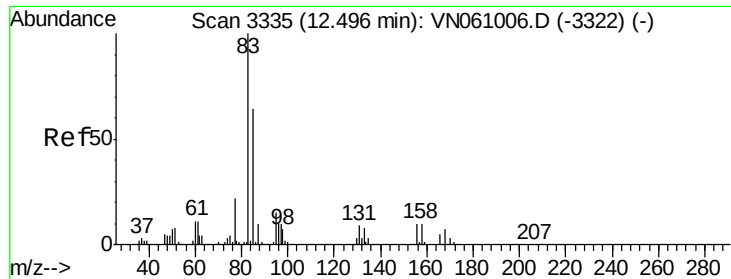
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 18.512 ug/l

RT: 12.50 min Scan# 3335

Delta R.T. 0.00 min

Lab File: VN061013.D

Acq: 16 Apr 2020 15:49

Instrument :

MSVOA_N

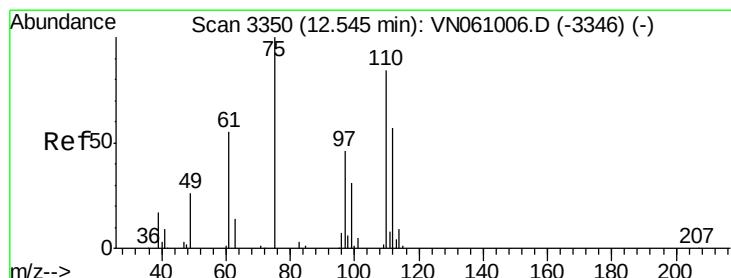
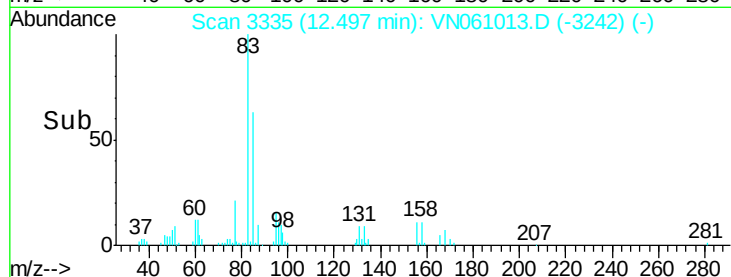
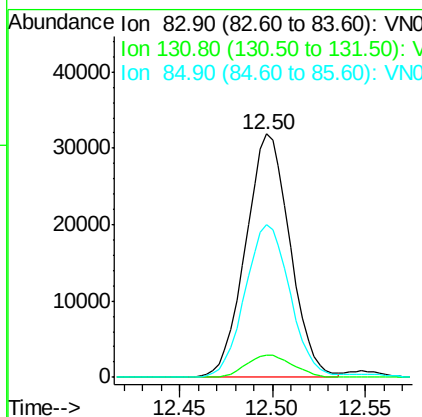
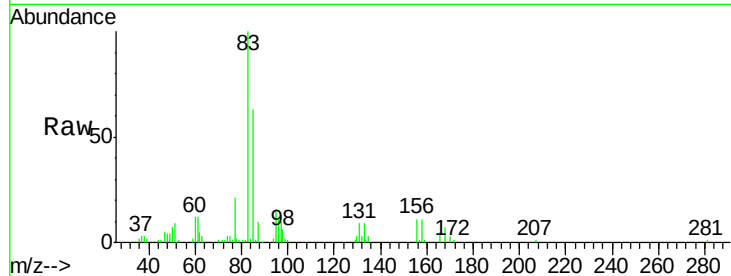
ClientSampleId :

VN0416WBS01

Tot Ion:	83	Resp:	52818
Ion Ratio	Lower	Upper	
83	100		
131	9.4	4.8	14.3
85	63.9	32.3	96.8

Manual Integrations
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4/17/2020 11:53:30 AM



#76

1,2,3-Trichloropropane

Concen: 19.377 ug/l m

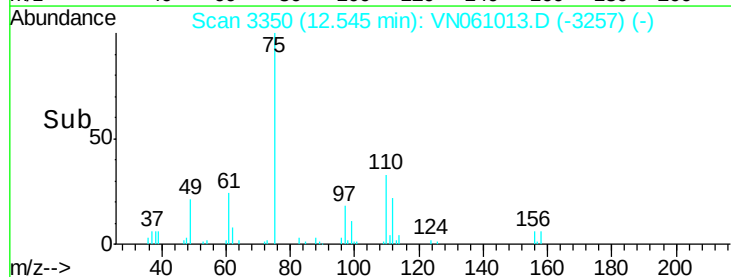
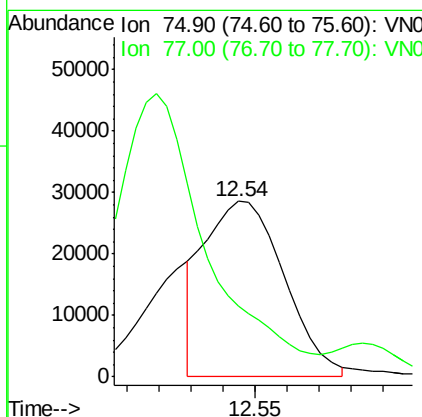
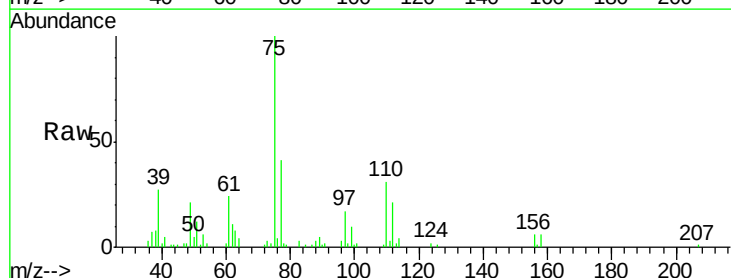
RT: 12.54 min Scan# 3350

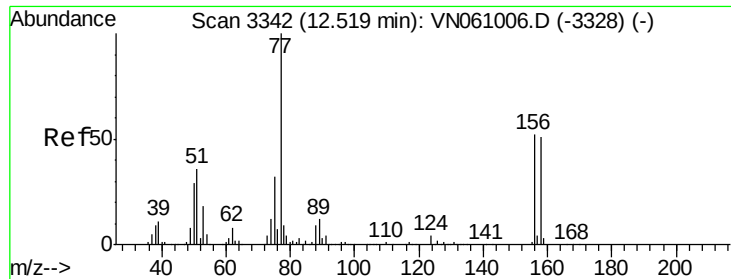
Delta R.T. 0.00 min

Lab File: VN061013.D

Acq: 16 Apr 2020 15:49

Tgt Ion:	75	Resp:	49724
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.088 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. 0.00 min

Lab File: VN061013.D

Acq: 16 Apr 2020 15:49

Instrument :

MSVOA_N

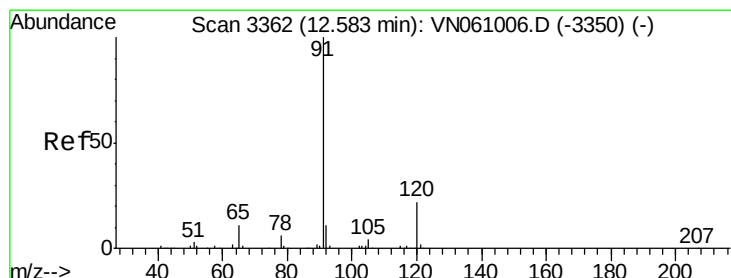
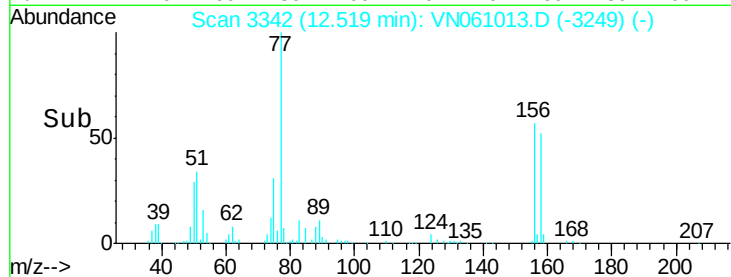
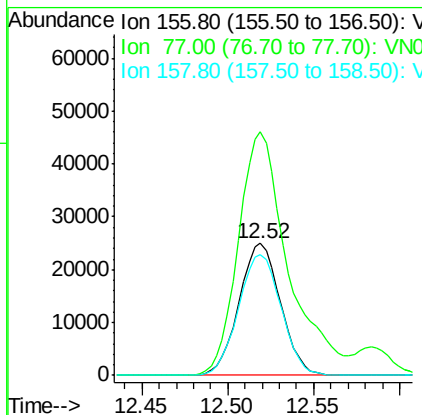
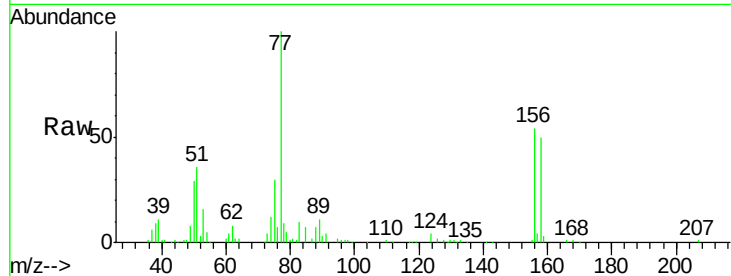
ClientSampleId :

VN0416WBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	223.6	115.6	346.8
158	94.1	48.9	146.6

Manual Integrations
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#78

n-propylbenzene

Concen: 19.447 ug/l

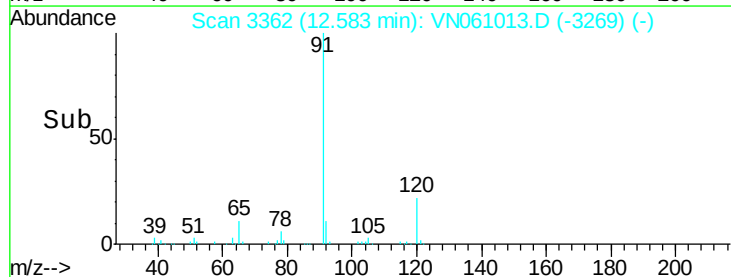
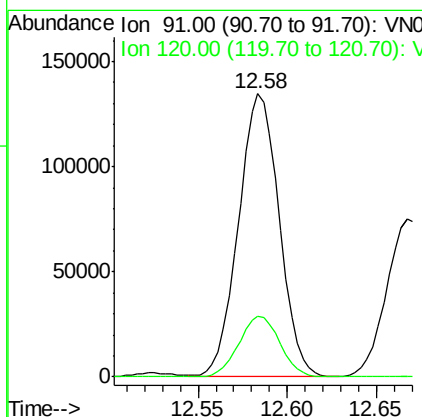
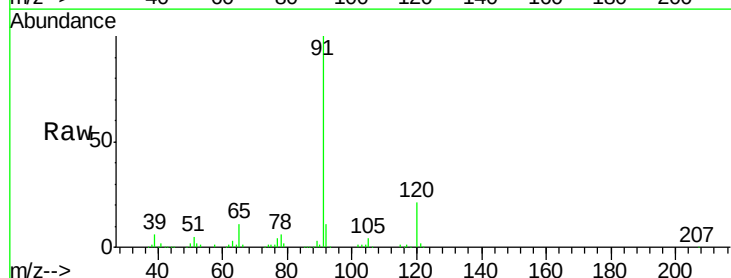
RT: 12.58 min Scan# 3362

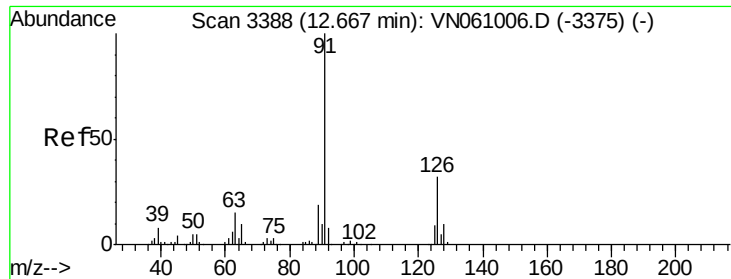
Delta R.T. 0.00 min

Lab File: VN061013.D

Acq: 16 Apr 2020 15:49

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.7	10.9	32.7





#79

2-Chlorotoluene

Concen: 19.430 ug/l

RT: 12.67 min Scan# 3388

Delta R.T. 0.00 min

Lab File: VN061013.D

Acq: 16 Apr 2020 15:49

Instrument :

MSVOA_N

ClientSampleId :

VN0416WBS01

Tot Ion: 91 Resp: 124616

Ion Ratio Lower Upper

91 100

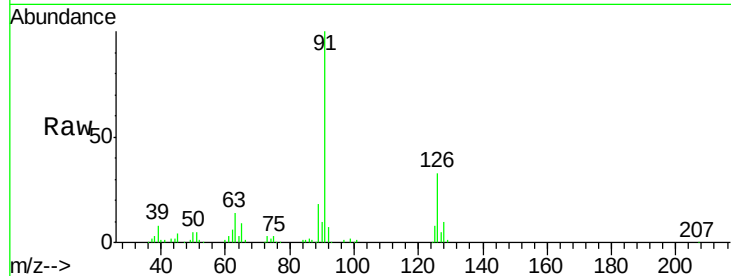
126 32.4 16.1 48.2

Manual Integrations

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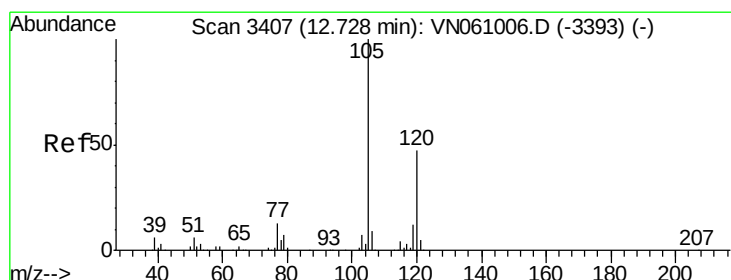
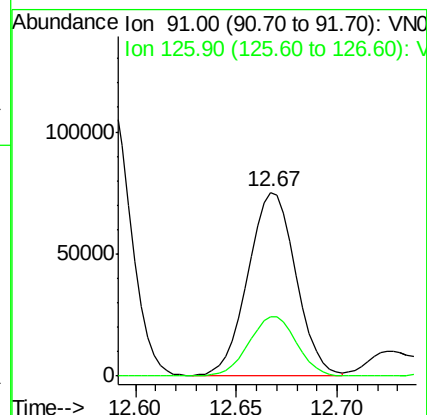
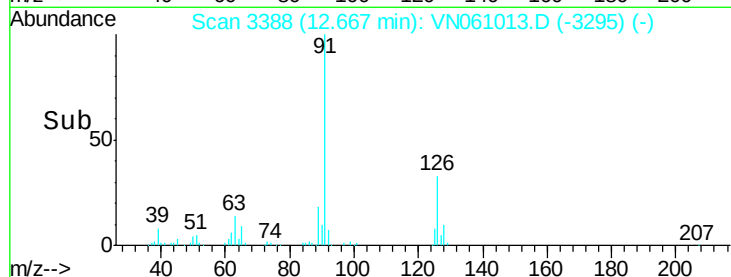
MMDadoda

4/17/2020 11:53:30 AM



Abundance Ion 91.00 (90.70 to 91.70): VN061013.D (-3295) (-)

Ion 125.90 (125.60 to 126.60): VN061013.D (-3295) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.451 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN061013.D

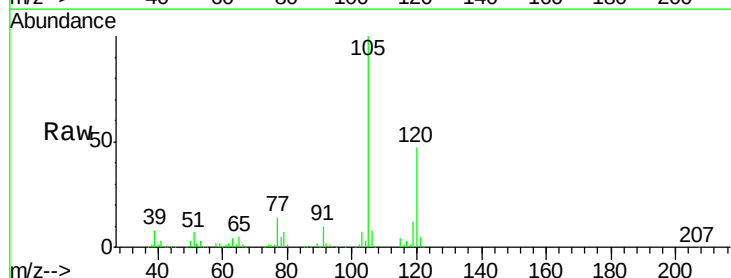
Acq: 16 Apr 2020 15:49

Tgt Ion: 105 Resp: 150270

Ion Ratio Lower Upper

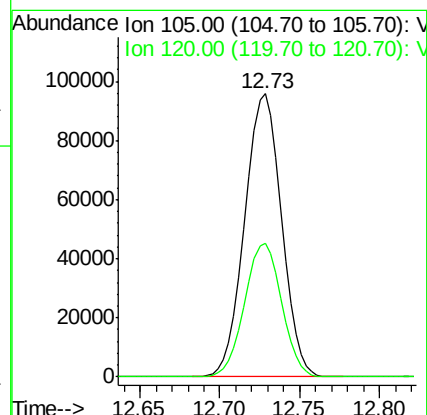
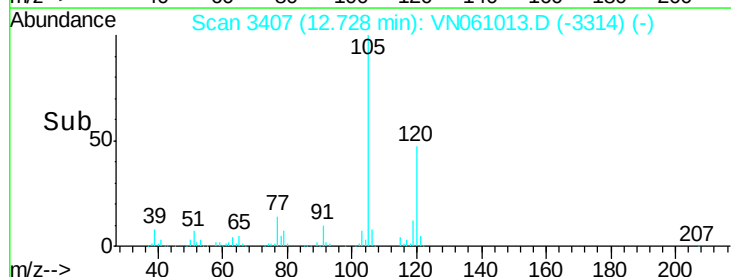
105 100

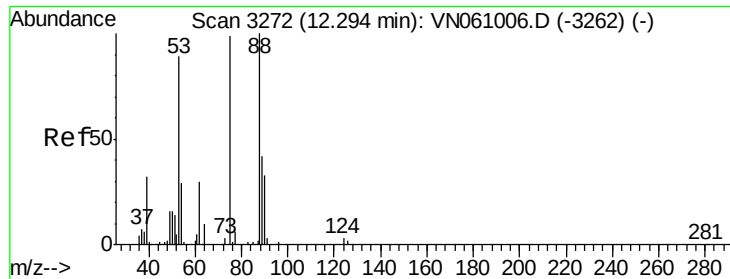
120 47.3 23.6 70.8



Abundance Ion 105.00 (104.70 to 105.70): VN061013.D (-3314) (-)

Ion 120.00 (119.70 to 120.70): VN061013.D (-3314) (-)





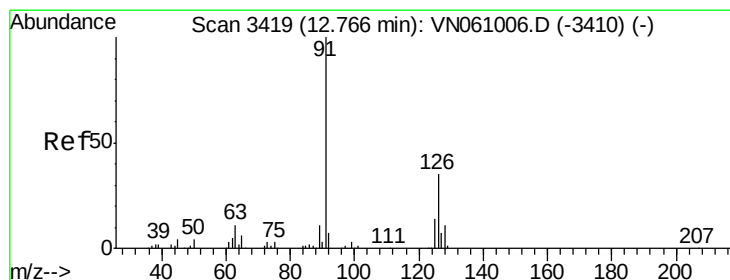
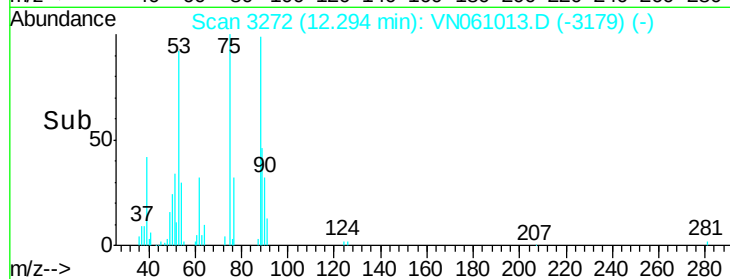
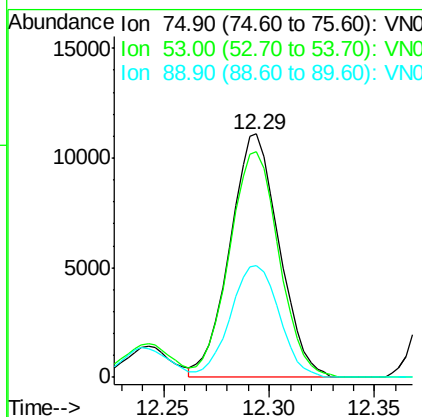
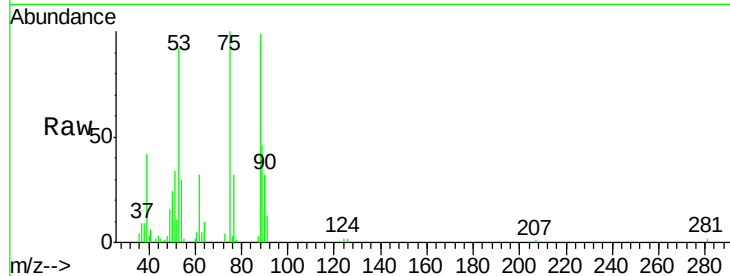
#81
trans-1,4-Dichloro-2-butene
Concen: 17.265 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. 0.00 min
Lab File: VN061013.D
Acq: 16 Apr 2020 15:49

Instrument :
MSVOA_N
ClientSampleId :
VN0416WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	93.9	74.7	112.1
89	45.6	34.6	52.0

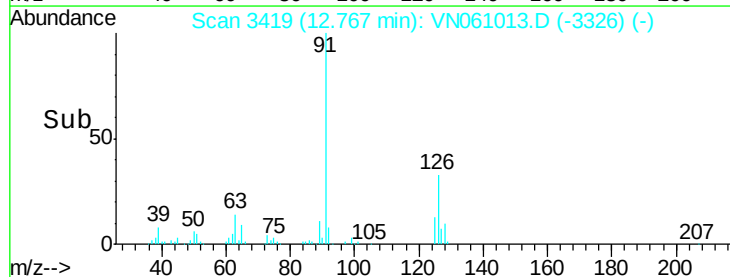
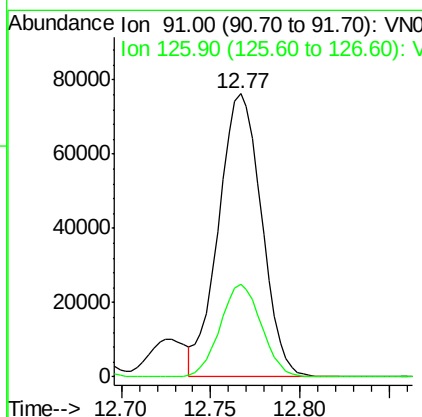
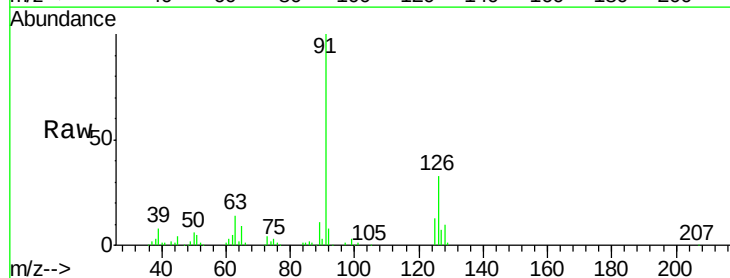
Manual Integrations
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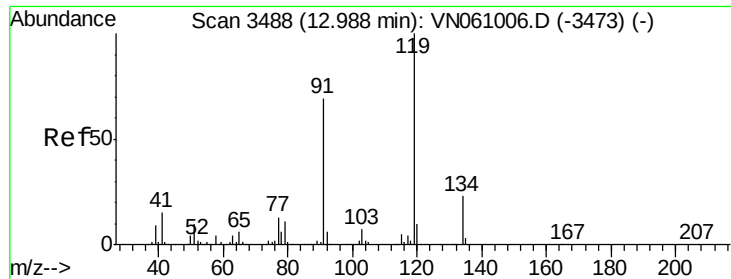
MMDadoda
4/17/2020 11:53:30 AM



#82
4-Chlorotoluene
Concen: 19.206 ug/l
RT: 12.77 min Scan# 3419
Delta R.T. 0.00 min
Lab File: VN061013.D
Acq: 16 Apr 2020 15:49

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.3	15.9	47.6





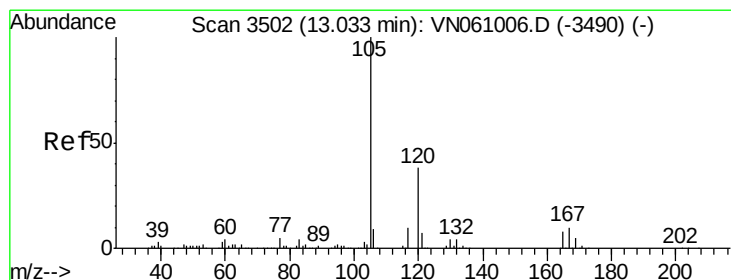
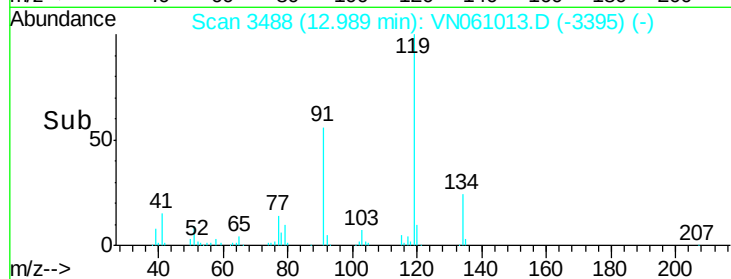
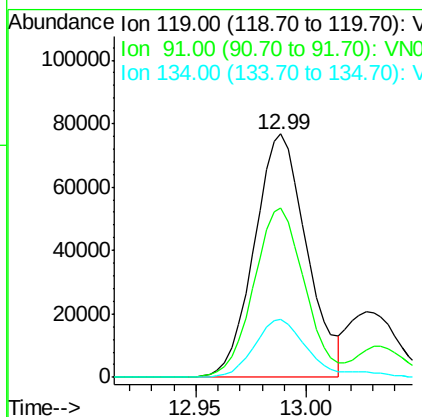
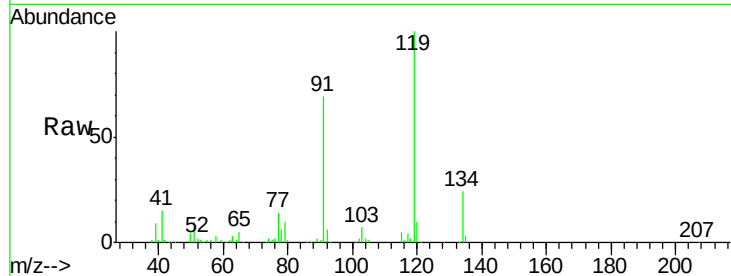
#83
 tert-Butylbenzene
 Concen: 19.461 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. 0.00 min
 Lab File: VN061013.D
 Acq: 16 Apr 2020 15:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0416WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.0	34.1	102.3
134	24.9	12.4	37.2

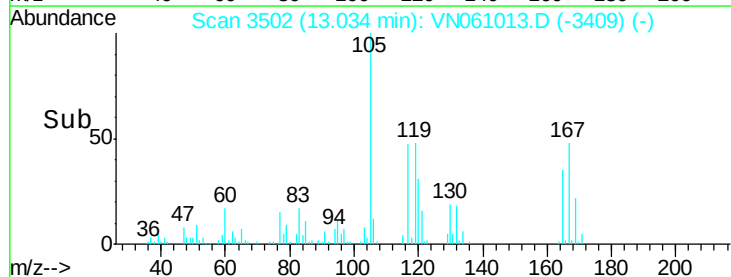
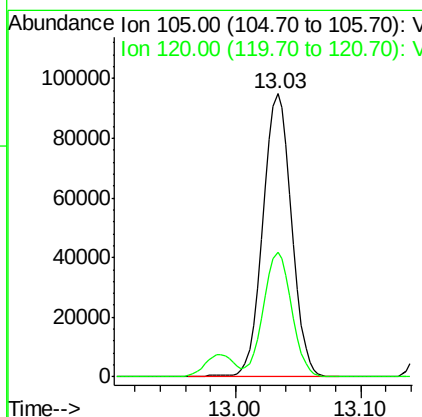
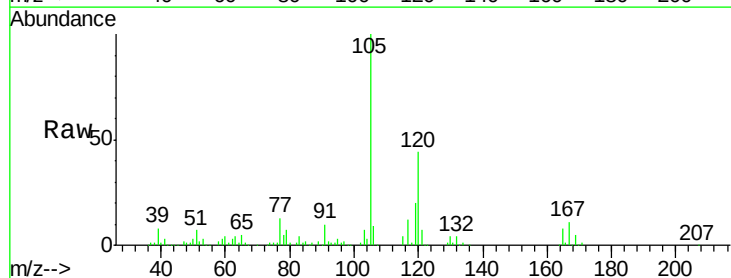
Manual Integrations
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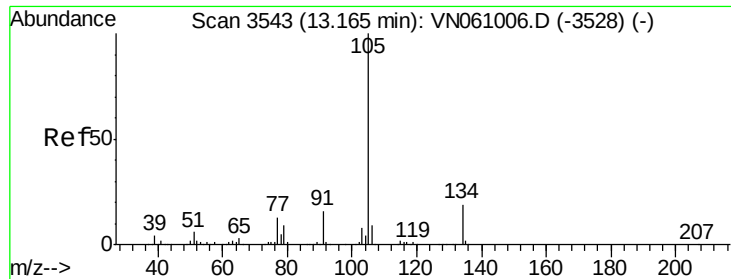
MMDadoda
 4/17/2020 11:53:30 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 19.792 ug/l
 RT: 13.03 min Scan# 3502
 Delta R.T. 0.00 min
 Lab File: VN061013.D
 Acq: 16 Apr 2020 15:49

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.5	22.1	66.5





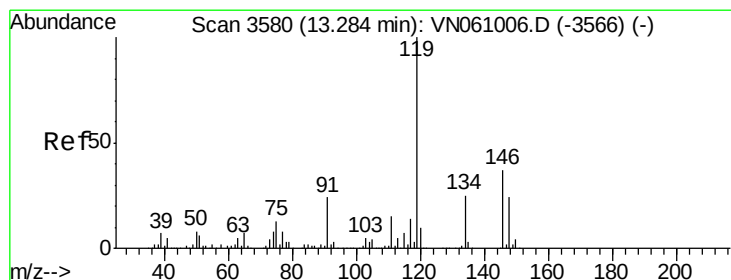
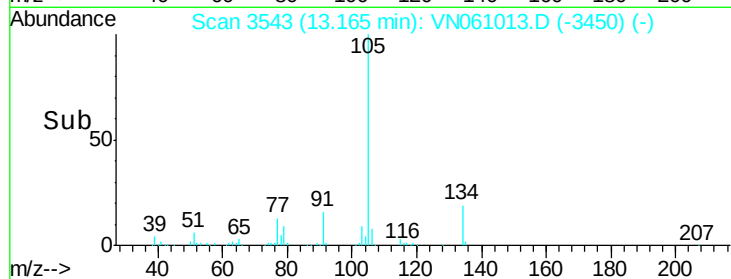
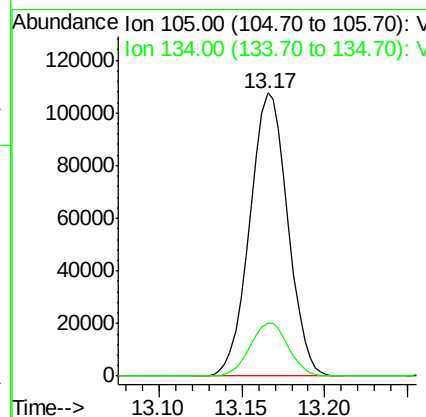
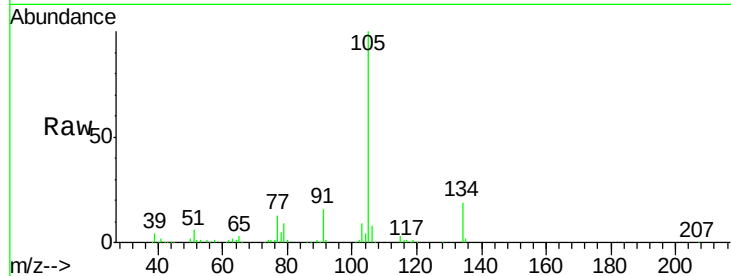
#85
 sec-Butylbenzene
 Concen: 19.430 ug/l
 RT: 13.17 min Scan# 3543
 Delta R.T. 0.00 min
 Lab File: VN061013.D
 Acq: 16 Apr 2020 15:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0416WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.9	9.5	28.5

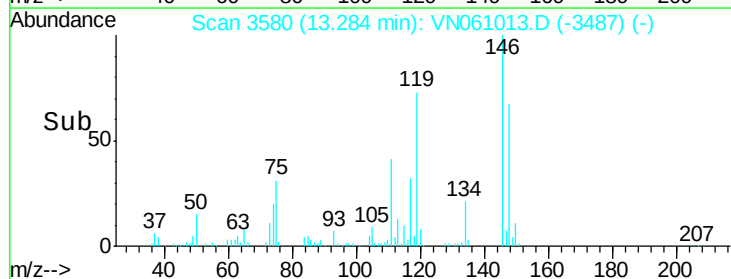
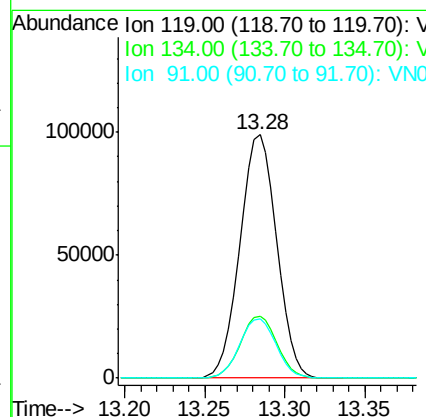
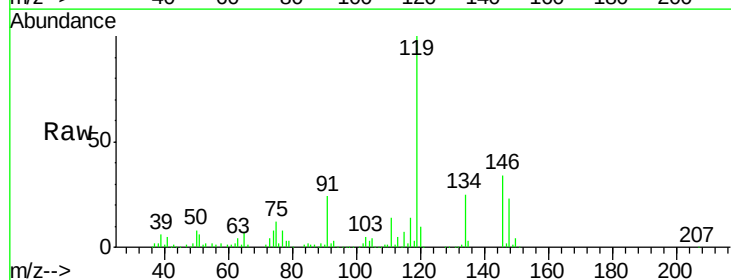
Manual Integrations
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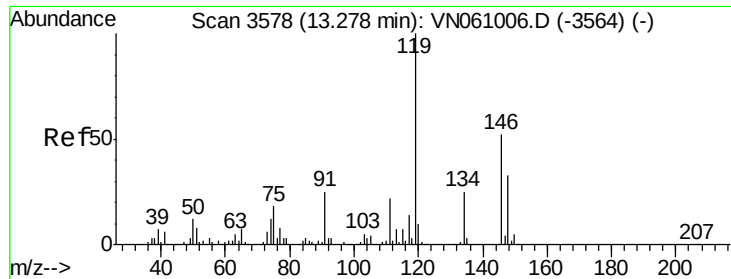
MMDadoda
 4/17/2020 11:53:30 AM



#86
 p-Isopropyltoluene
 Concen: 19.692 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN061013.D
 Acq: 16 Apr 2020 15:49

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.4	12.8	38.4
91	24.3	12.3	36.8





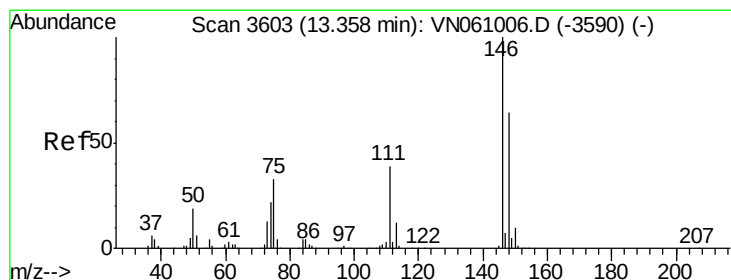
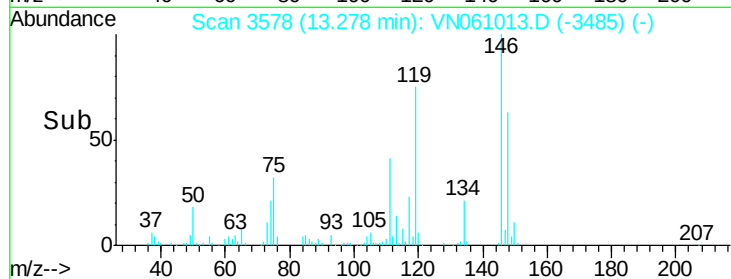
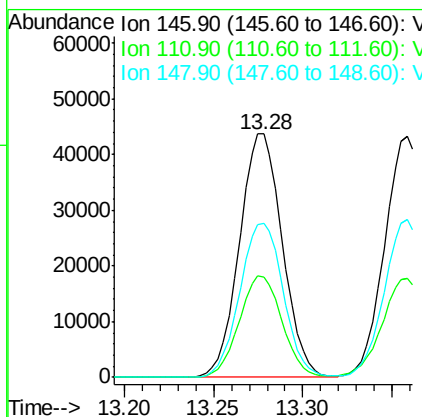
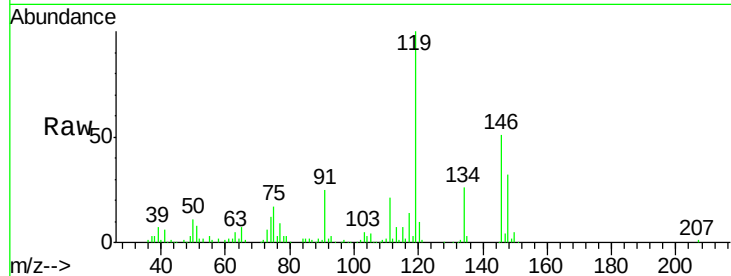
#87
 1,3-Dichlorobenzene
 Concen: 18.847 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. 0.00 min
 Lab File: VN061013.D
 Acq: 16 Apr 2020 15:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0416WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.6	61.8
148	64.0	31.8	95.3

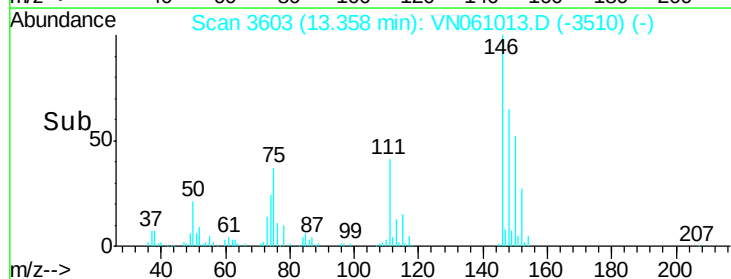
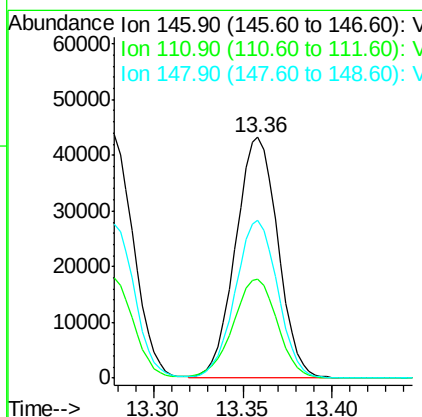
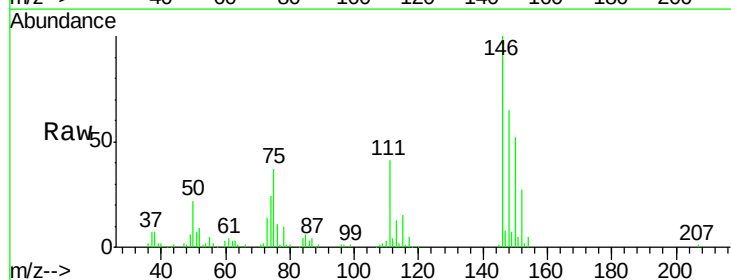
Manual Integrations
 APPROVED

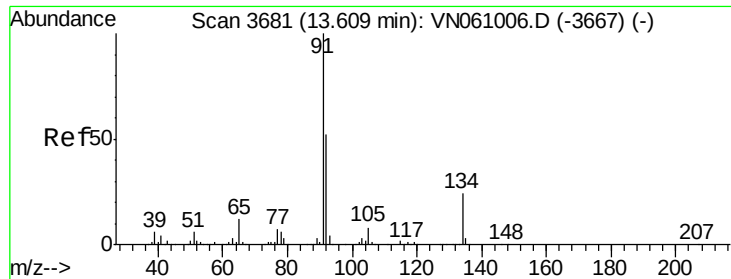
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#88
 1,4-Dichlorobenzene
 Concen: 18.271 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN061013.D
 Acq: 16 Apr 2020 15:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.1	20.1	60.3
148	65.7	32.1	96.3





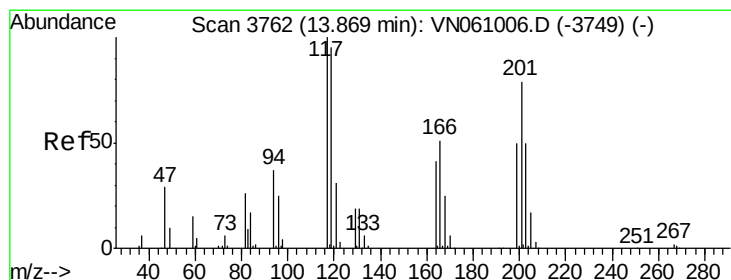
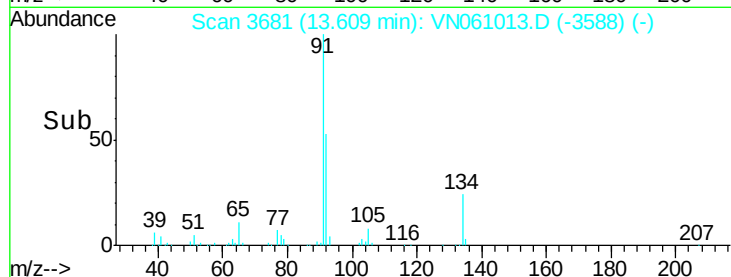
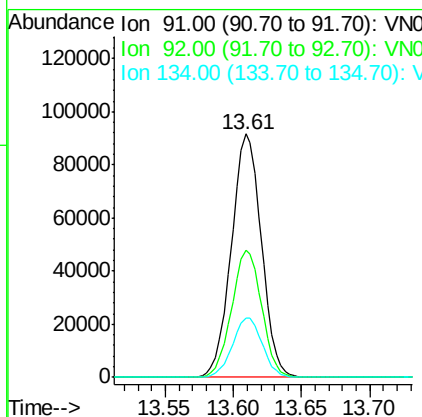
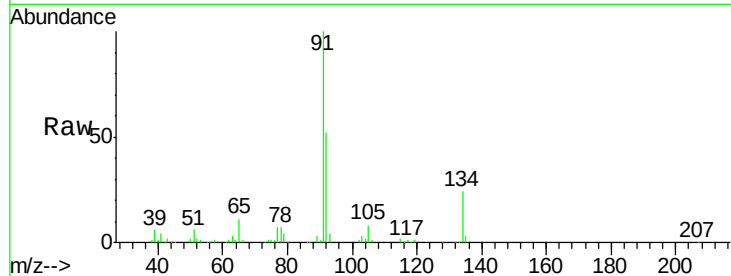
#89
n-Butylbenzene
Concen: 19.180 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. 0.00 min
Lab File: VN061013.D
Acq: 16 Apr 2020 15:49

Instrument :
MSVOA_N
ClientSampleId :
VN0416WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.1	78.2
134	24.2	12.3	36.8

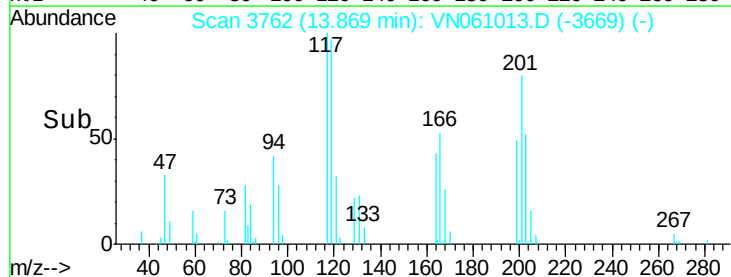
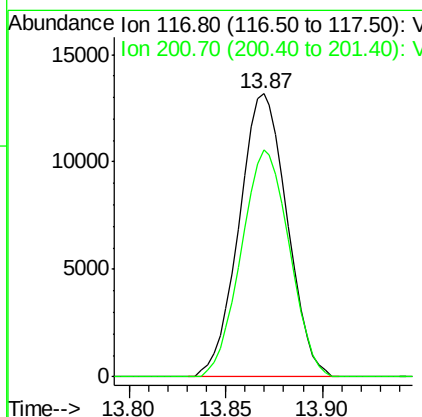
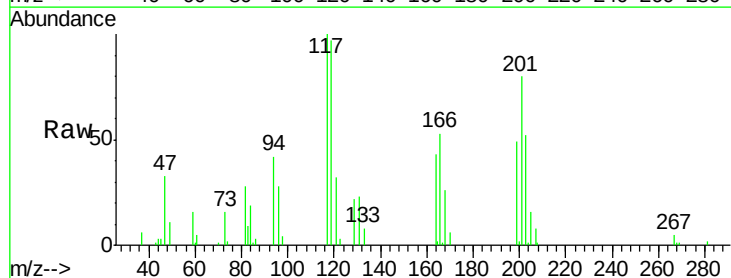
Manual Integrations
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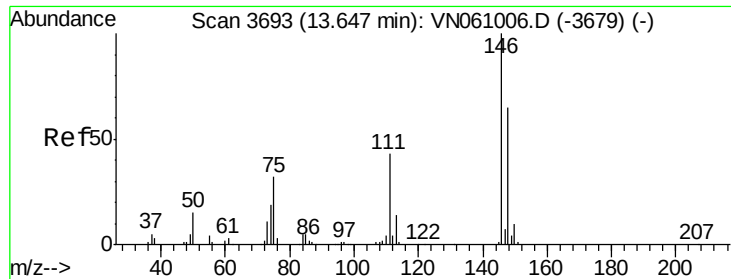
MMDadoda
4/17/2020 11:53:30 AM



#90
Hexachloroethane
Concen: 18.902 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. 0.00 min
Lab File: VN061013.D
Acq: 16 Apr 2020 15:49

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.3	39.3	117.9





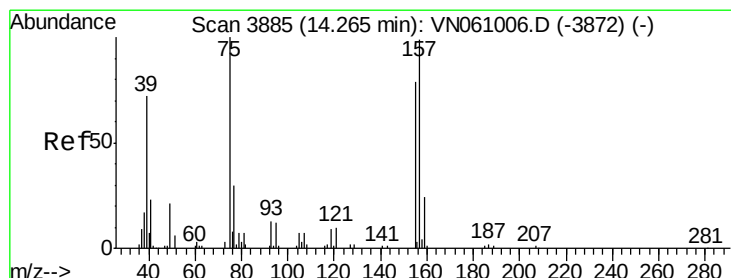
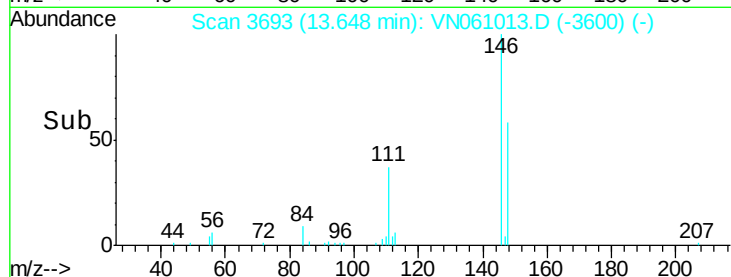
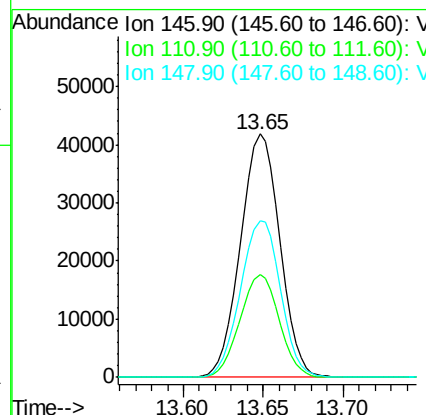
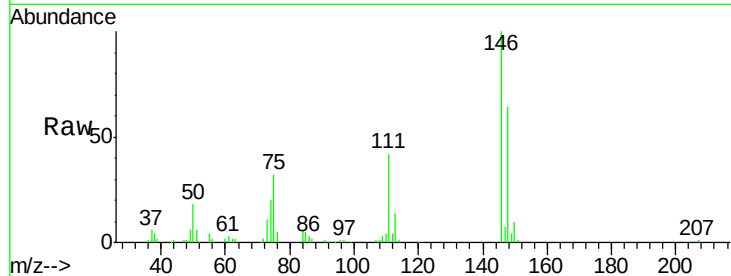
#91
 1,2-Dichlorobenzene
 Concen: 18.930 ug/l
 RT: 13.65 min Scan# 3693
 Delta R.T. 0.00 min
 Lab File: VN061013.D
 Acq: 16 Apr 2020 15:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0416WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.3	64.0
148	65.2	32.0	96.0

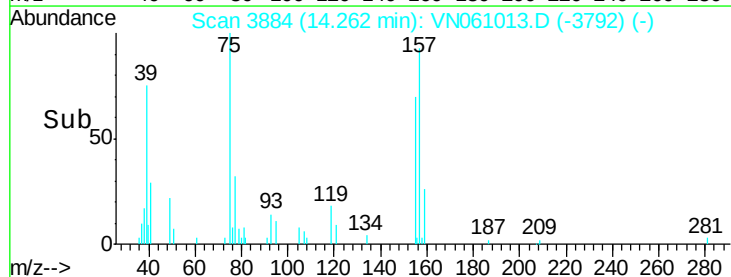
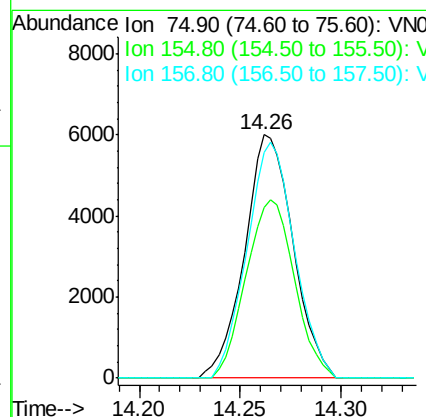
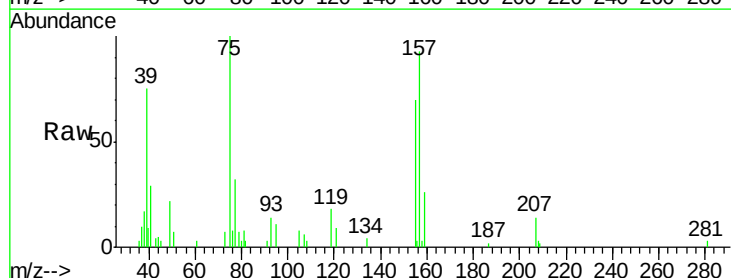
Manual Integrations
 APPROVED

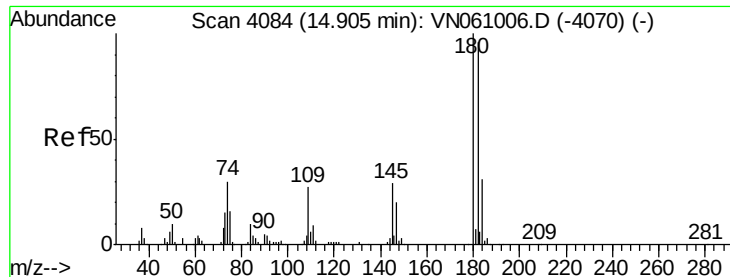
MMDadoda
 4/17/2020 11:53:30 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.324 ug/l
 RT: 14.26 min Scan# 3884
 Delta R.T. -0.00 min
 Lab File: VN061013.D
 Acq: 16 Apr 2020 15:49

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.9	39.5	118.5
157	94.8	50.1	150.4





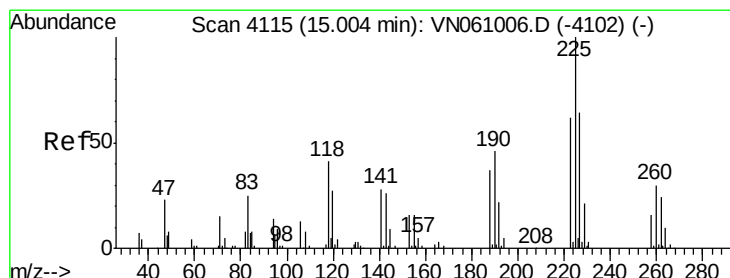
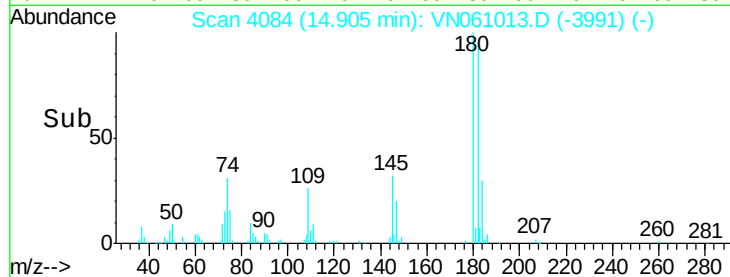
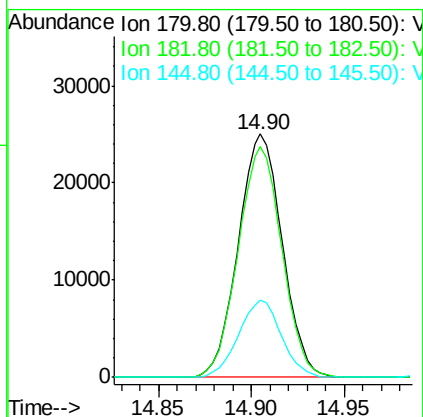
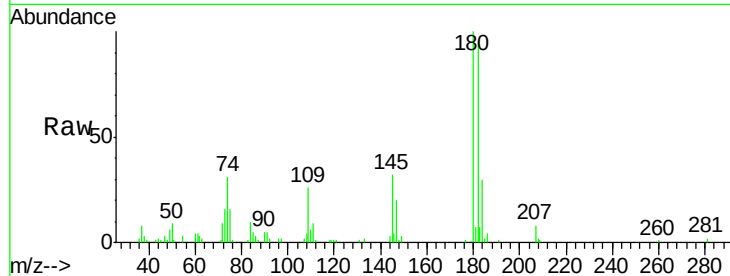
#93
 1,2,4-Trichlorobenzene
 Concen: 18.778 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN061013.D
 Acq: 16 Apr 2020 15:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0416WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	41255		
182	94.4	47.8	143.3	
145	30.7	15.3	45.8	

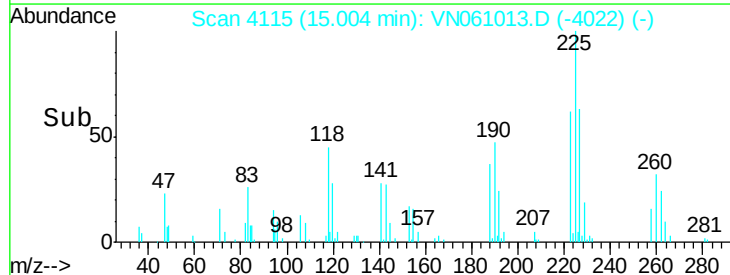
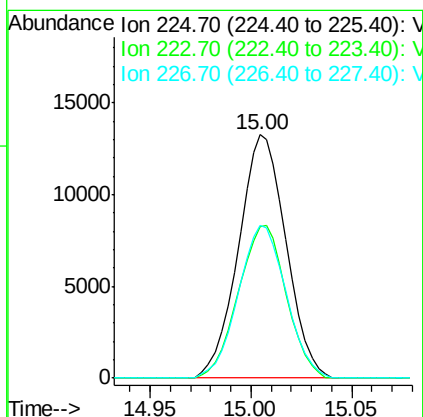
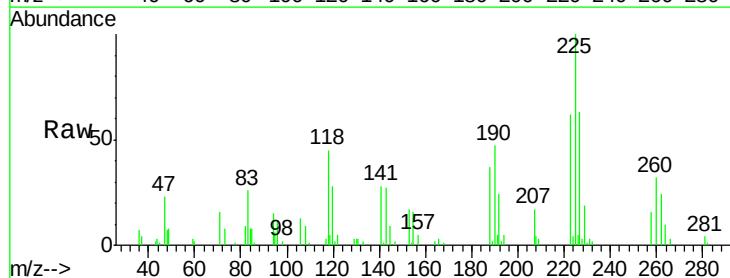
Manual Integrations
 APPROVED

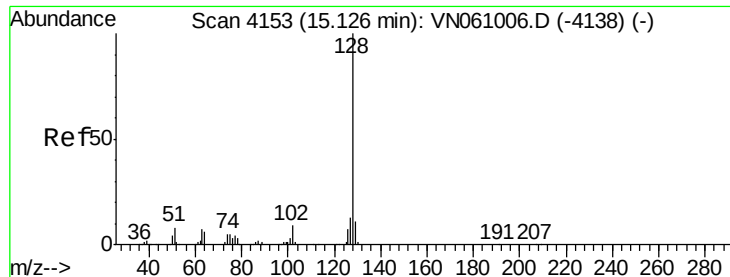
MMDadoda
 4/17/2020 11:53:30 AM



#94
 Hexachlorobutadiene
 Concen: 19.342 ug/l
 RT: 15.00 min Scan# 4115
 Delta R.T. 0.00 min
 Lab File: VN061013.D
 Acq: 16 Apr 2020 15:49

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	21860		
223	63.1	31.3	93.8	
227	63.1	31.9	95.5	





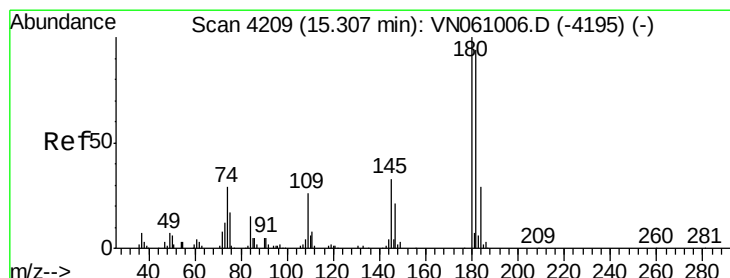
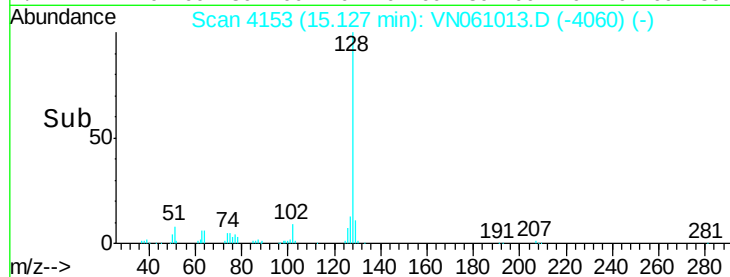
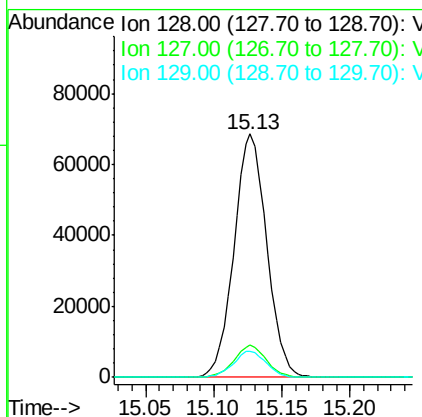
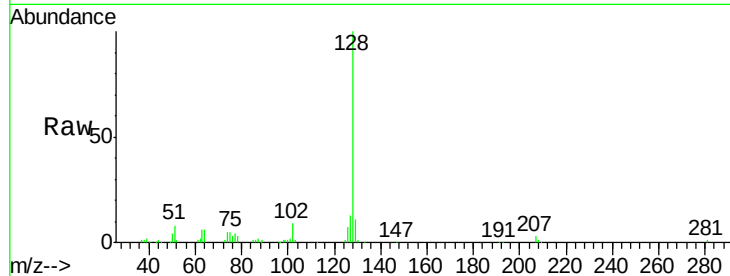
#95
Naphthalene
Concen: 17.836 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. 0.00 min
Lab File: VN061013.D
Acq: 16 Apr 2020 15:49

Instrument :
MSVOA_N
ClientSampleId :
VN0416WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.4
129	10.7	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
4/17/2020 11:53:30 AM



#96
1,2,3-Trichlorobenzene
Concen: 18.721 ug/l
RT: 15.31 min Scan# 4209
Delta R.T. 0.00 min
Lab File: VN061013.D
Acq: 16 Apr 2020 15:49

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.6	142.8
145	32.9	16.4	49.2

