

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041620\
 Data File : VN061004.D
 Acq On : 16 Apr 2020 11:33
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 4/17/2020 11:52:57 AM

Quant Time: Apr 16 13:06:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041620W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 16 12:43:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	162961	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	273374	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	245066	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	107183	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	11849	5.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.86%	
35) Dibromofluoromethane	7.56	113	8489	5.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.44%	
50) Toluene-d8	10.08	98	35560	5.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.92%	
62) 4-Bromofluorobenzene	12.39	95	13036	5.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.74%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.83	85	8034	4.806	ug/l	97
3) Chloromethane	2.04	50	14593	4.945	ug/l	97
4) Vinyl Chloride	2.17	62	12398	5.332	ug/l	99
5) Bromomethane	2.54	94	6152	5.935	ug/l	99
6) Chloroethane	2.68	64	7041	5.256	ug/l	99
7) Trichlorofluoromethane	3.00	101	15496	5.392	ug/l	97
8) Diethyl Ether	3.38	74	6531	5.682	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	9558	5.772	ug/l	99
10) Methyl Iodide	3.93	142	7216	4.846	ug/l	98
11) Tert butyl alcohol	4.72	59	9554	28.346	ug/l #	82
12) 1,1-Dichloroethene	3.71	96	9572	5.411	ug/l	96
13) Acrolein	3.57	56	8586	24.460	ug/l	96
14) Allyl chloride	4.29	41	18851	5.988	ug/l	95
15) Acrylonitrile	4.94	53	26808	27.444	ug/l	98
16) Acetone	3.78	43	23690	28.792	ug/l	99
17) Carbon Disulfide	4.03	76	29744	5.513	ug/l	100
18) Methyl Acetate	4.29	43	14605	6.221	ug/l	95
19) Methyl tert-butyl Ether	5.00	73	34119	5.591	ug/l	98
20) Methylene Chloride	4.52	84	10802	5.519	ug/l	96
21) trans-1,2-Dichloroethene	5.00	96	10483	5.561	ug/l	93
22) Diisopropyl ether	5.91	45	37630	5.686	ug/l #	92
23) Vinyl Acetate	5.86	43	148832	27.717	ug/l	99
24) 1,1-Dichloroethane	5.81	63	20527	5.692	ug/l	99
25) 2-Butanone	6.80	43	36324	27.762	ug/l	100
26) 2,2-Dichloropropane	6.79	77	16759	5.815	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	11926	5.552	ug/l	98
28) Bromochloromethane	7.17	49	9333	5.437	ug/l #	100
29) Tetrahydrofuran	7.18	42	25721	28.026	ug/l	98
30) Chloroform	7.34	83	19424	5.634	ug/l	98
31) Cyclohexane	7.63	56	23011	6.299	ug/l #	81
32) 1,1,1-Trichloroethane	7.54	97	16651	5.624	ug/l	100
36) 1,1-Dichloropropene	7.77	75	14788	5.543	ug/l	99
37) Ethyl Acetate	6.89	43	17631	6.085	ug/l #	93
38) Carbon Tetrachloride	7.75	117	12031	5.063	ug/l	96

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 ALS Vial : 3 Sample Multiplier: 1

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 VSTDIC005

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.06	83	18145	5.700	ug/l	98
40) Benzene	8.02	78	45823	5.696	ug/l	99
41) Methacrylonitrile	7.13	41	5574	4.503	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	15365	5.582	ug/l	97
43) Isopropyl Acetate	8.14	43	26562	5.574	ug/l	98
44) Trichloroethene	8.81	130	11682	5.788	ug/l	99
45) 1,2-Dichloropropane	9.10	63	12189	5.731	ug/l	96
46) Dibromomethane	9.19	93	7337	5.734	ug/l	98
47) Bromodichloromethane	9.38	83	14862	5.569	ug/l	98
48) Methyl methacrylate	9.18	41	11044	5.194	ug/l	98
49) 1,4-Dioxane	9.18	88	2968	115.914	ug/l	96
51) 4-Methyl-2-Pentanone	9.97	43	75793	27.902	ug/l	100
52) Toluene	10.14	92	26804	5.522	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	16579	5.405	ug/l	98
54) cis-1,3-Dichloropropene	9.82	75	18943	5.616	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	10490	5.618	ug/l	98
56) Ethyl methacrylate	10.42	69	14649	5.026	ug/l	96
57) 1,3-Dichloropropane	10.70	76	18157	5.593	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	35313	25.397	ug/l	99
59) 2-Hexanone	10.74	43	53637	27.421	ug/l	98
60) Dibromochloromethane	10.89	129	10162	5.287	ug/l	100
61) 1,2-Dibromoethane	10.99	107	10161	5.430	ug/l	98
64) Tetrachloroethene	10.62	164	10654	5.553	ug/l	96
65) Chlorobenzene	11.42	112	27232	5.573	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	9656	5.466	ug/l	98
67) Ethyl Benzene	11.50	91	51122	5.625	ug/l	99
68) m/p-Xylenes	11.61	106	36811	10.944	ug/l	99
69) o-Xylene	11.94	106	17907	5.578	ug/l	99
70) Styrene	11.96	104	26892	5.117	ug/l	100
71) Bromoform	12.12	173	6708	5.095	ug/l #	99
73) Isopropylbenzene	12.24	105	48019	5.936	ug/l	99
74) N-amyl acetate	12.06	43	20867	5.559	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	14366	5.842	ug/l	98
76) 1,2,3-Trichloropropane	12.54	75	14205m	6.120	ug/l	
77) Bromobenzene	12.52	156	10989	5.659	ug/l	98
78) n-propylbenzene	12.58	91	55751	5.814	ug/l	98
79) 2-Chlorotoluene	12.67	91	32983	5.780	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	39154	5.699	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	4819	5.304	ug/l	96
82) 4-Chlorotoluene	12.77	91	33416	5.736	ug/l	99
83) tert-Butylbenzene	12.99	119	33387	5.861	ug/l	99
84) 1,2,4-Trimethylbenzene	13.03	105	38344	5.646	ug/l	98
85) sec-Butylbenzene	13.17	105	44415	5.784	ug/l	99
86) p-Isopropyltoluene	13.28	119	39163	5.677	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	19508	5.675	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	19599	5.683	ug/l	97
89) n-Butylbenzene	13.61	91	36154	5.776	ug/l	98
90) Hexachloroethane	13.87	117	6119	6.084	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	18481	5.639	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	2732	4.958	ug/l	94

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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

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QLast Update : Thu Apr 16 12:43:37 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	9797	4.871	ug/l	98
94) Hexachlorobutadiene	15.00	225	5890	5.924	ug/l	99
95) Naphthalene	15.13	128	28338	4.708	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	10018	5.055	ug/l	98

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

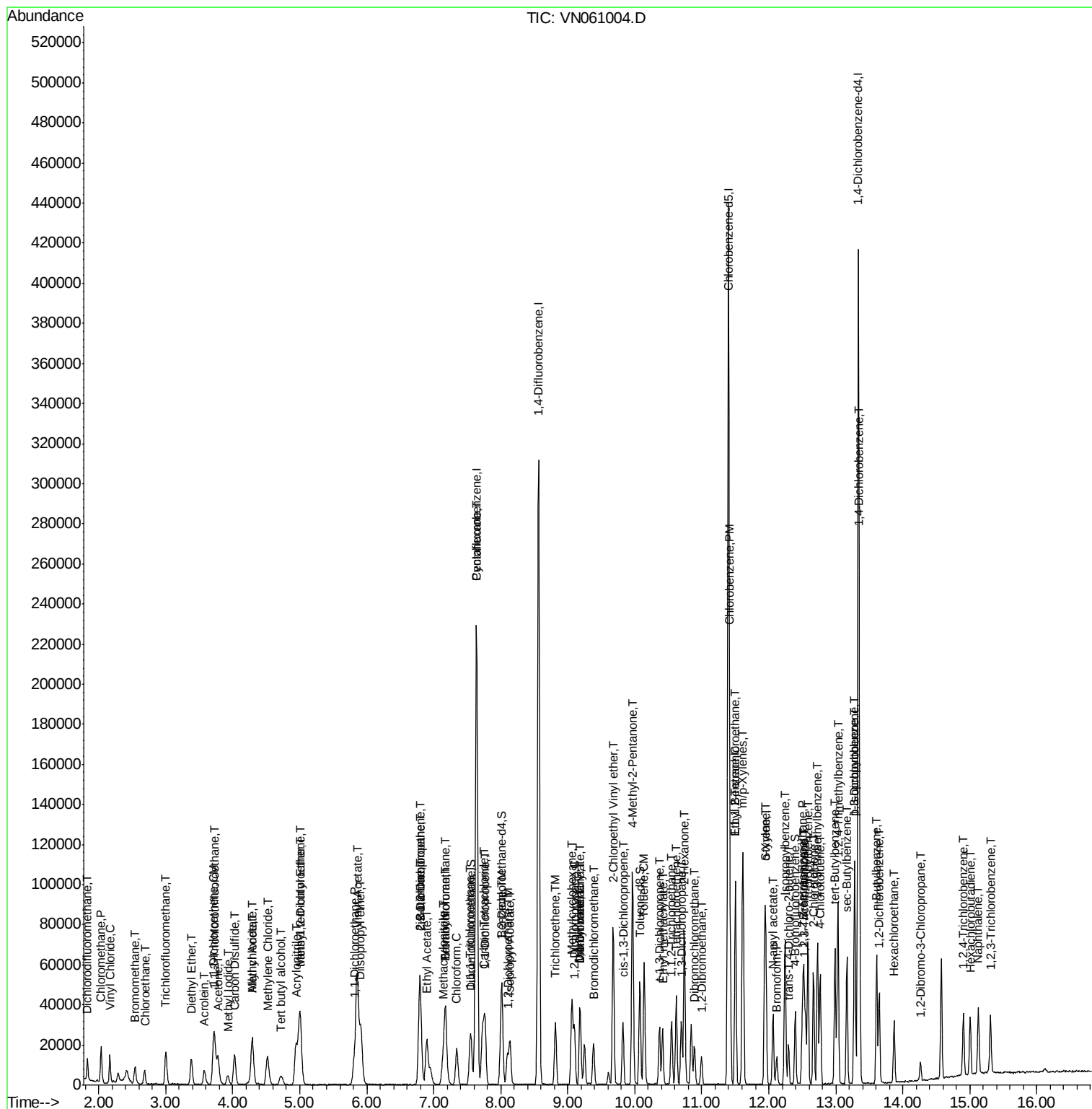
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041620\
Data File : VN061004.D
Acq On : 16 Apr 2020 11:33
Operator : JC/MD
Sample : VSTDIC005
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 3 Sample Multiplier: 1

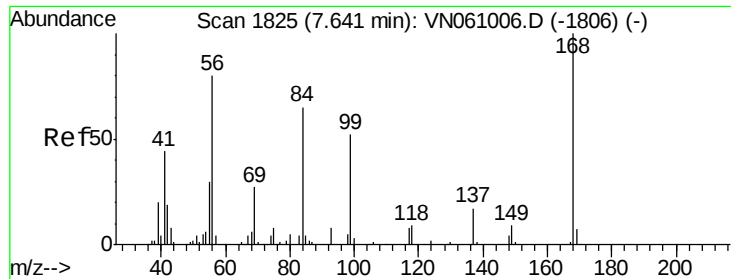
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Manual Integrations
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4/17/2020 11:52:57 AM

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.00 min

Lab File: VN061004.D

Acq: 16 Apr 2020 11:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 162961

Ion Ratio Lower Upper

168 100

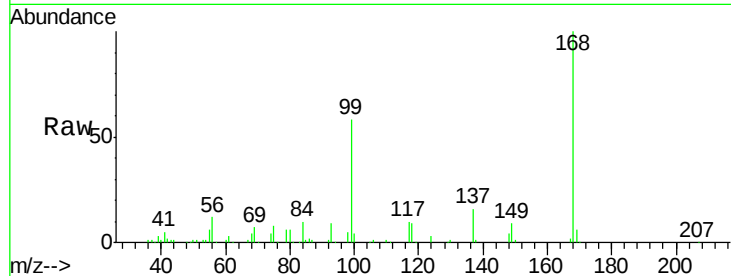
99 57.7 47.4 71.2

Manual Integrations

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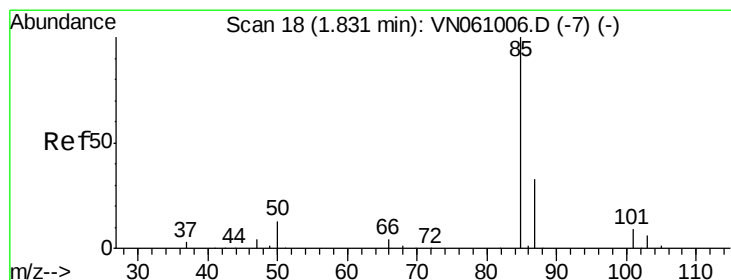
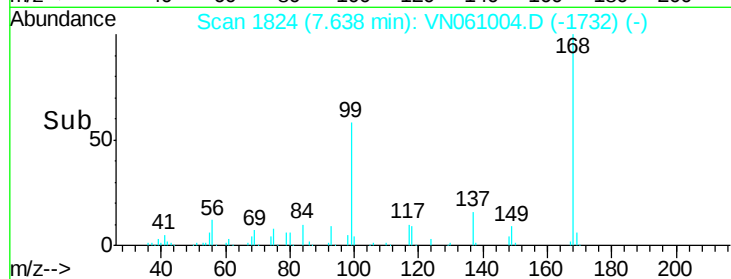
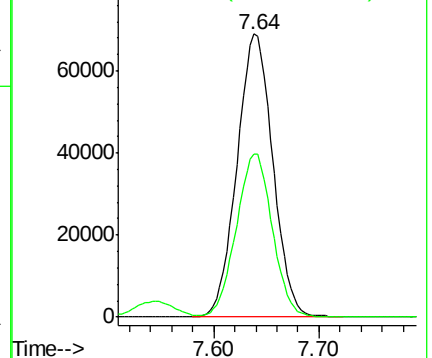
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 4.806 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061004.D

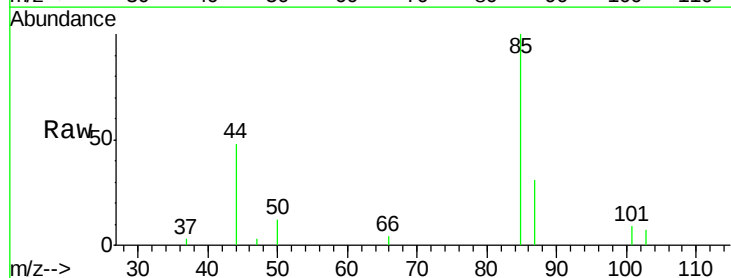
Acq: 16 Apr 2020 11:33

Tgt Ion: 85 Resp: 8034

Ion Ratio Lower Upper

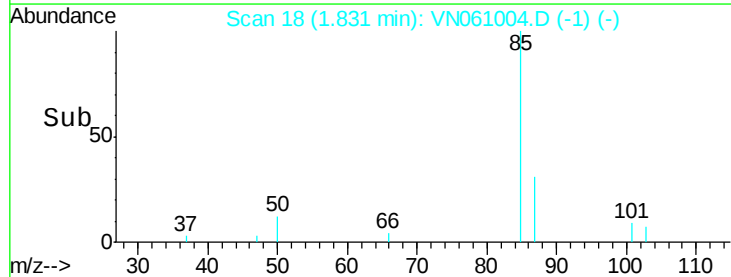
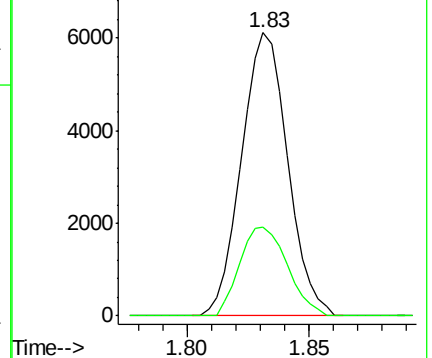
85 100

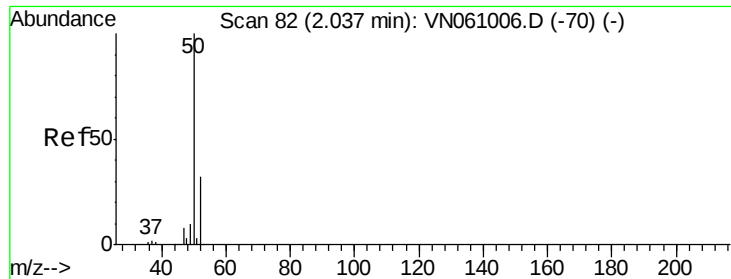
87 31.2 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 4.945 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN061004.D

Acq: 16 Apr 2020 11:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 14593

Ion Ratio Lower Upper

50 100

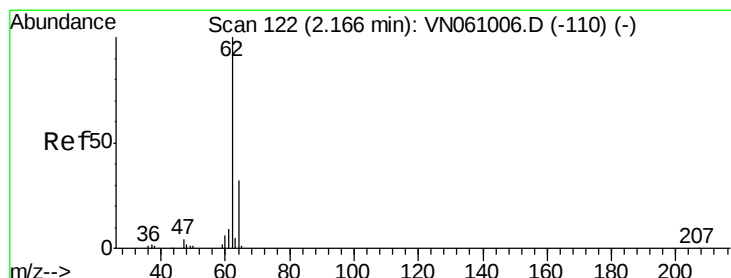
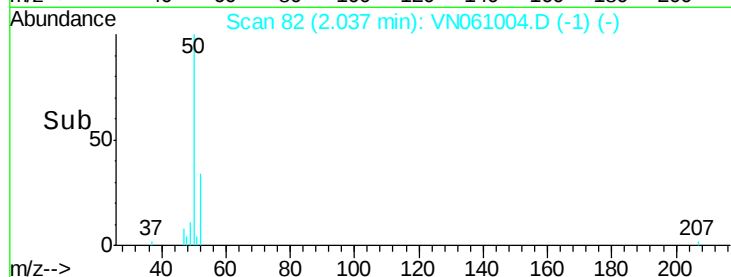
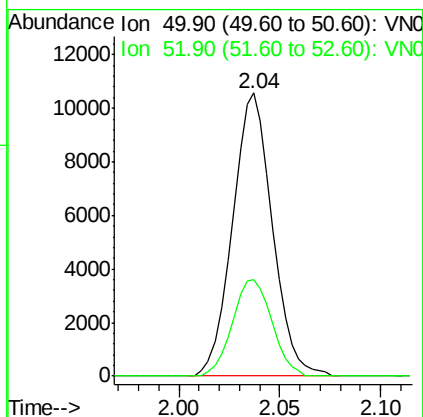
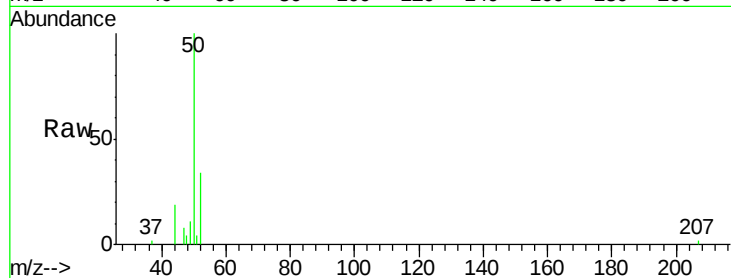
52 33.9 25.6 38.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 5.332 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN061004.D

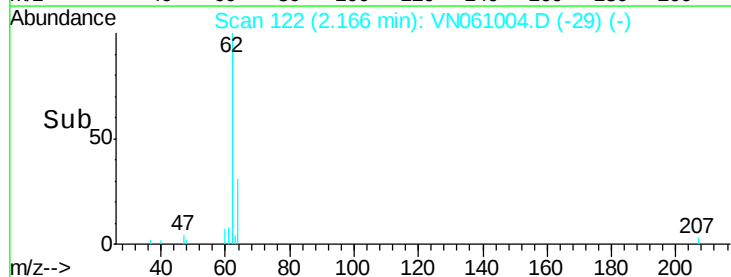
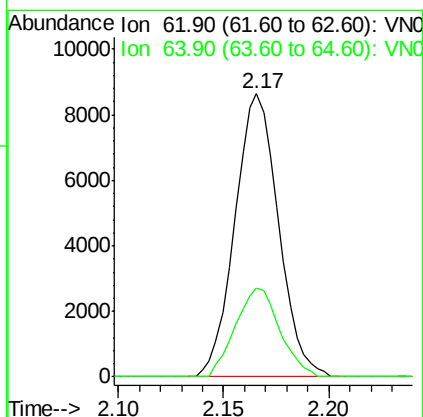
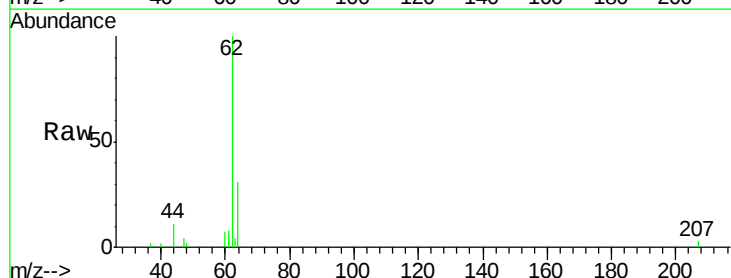
Acq: 16 Apr 2020 11:33

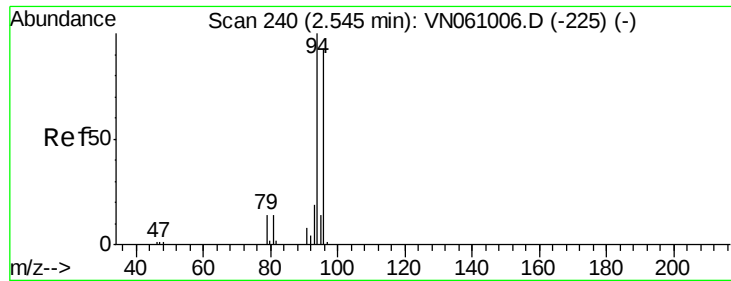
Tgt Ion: 62 Resp: 12398

Ion Ratio Lower Upper

62 100

64 31.3 25.4 38.0





#5

Bromomethane

Concen: 5.935 ug/l

RT: 2.54 min Scan# 239

Delta R.T. -0.00 min

Lab File: VN061004.D

Acq: 16 Apr 2020 11:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 6152

Ion Ratio Lower Upper

94 100

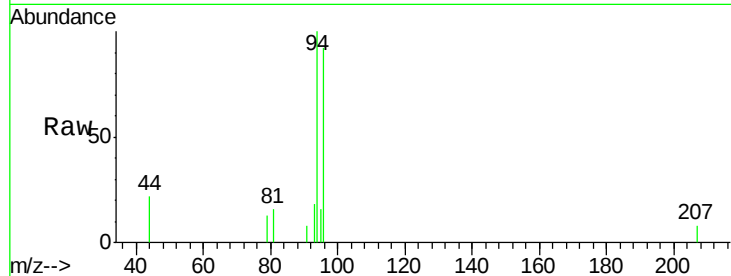
96 92.1 74.3 111.5

Manual Integrations

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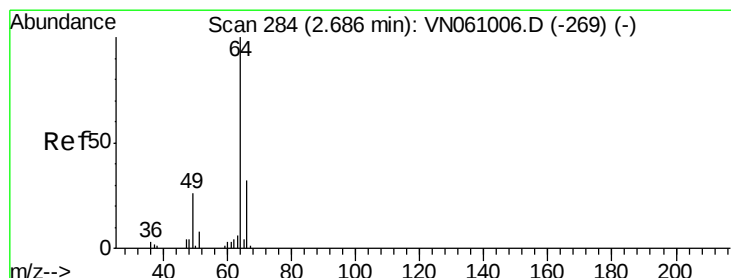
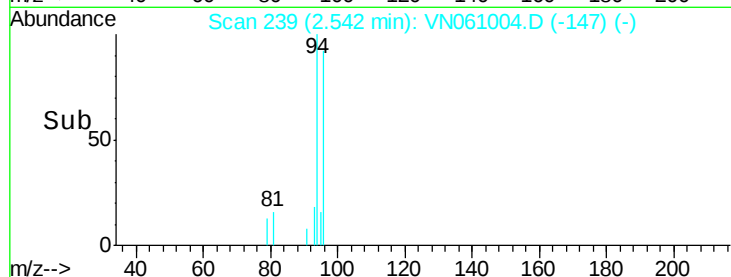
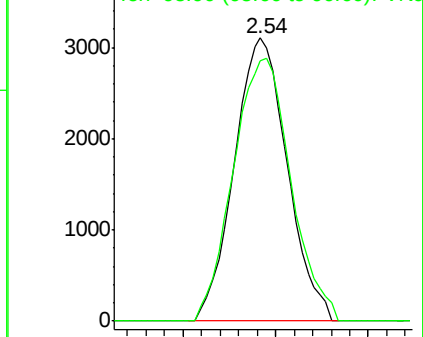
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 5.256 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.00 min

Lab File: VN061004.D

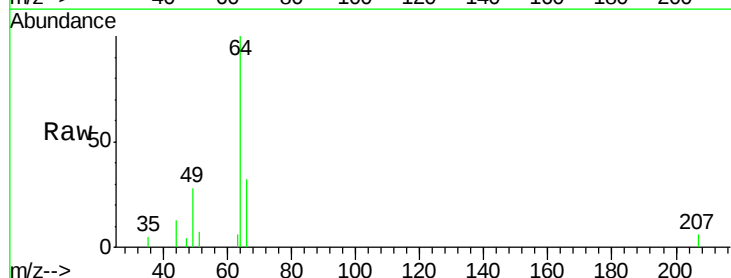
Acq: 16 Apr 2020 11:33

Tgt Ion: 64 Resp: 7041

Ion Ratio Lower Upper

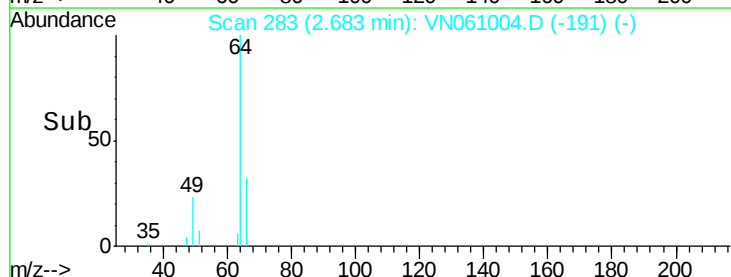
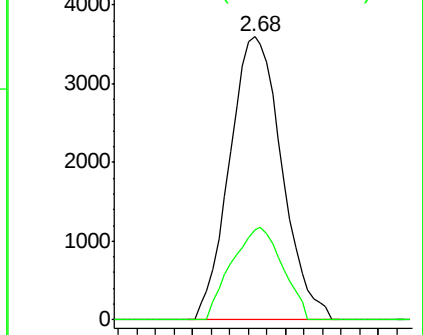
64 100

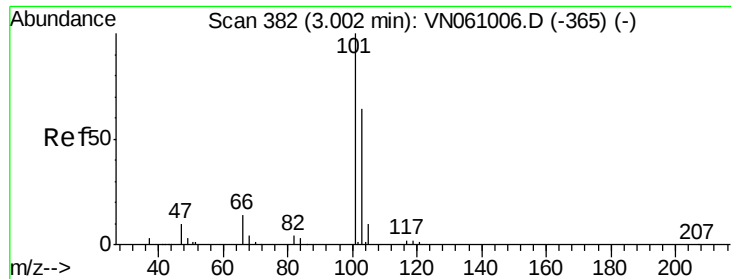
66 32.0 25.8 38.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

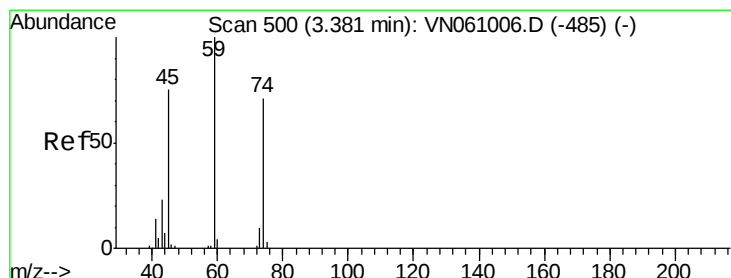
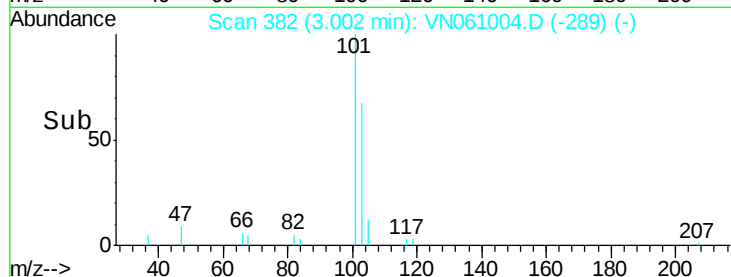
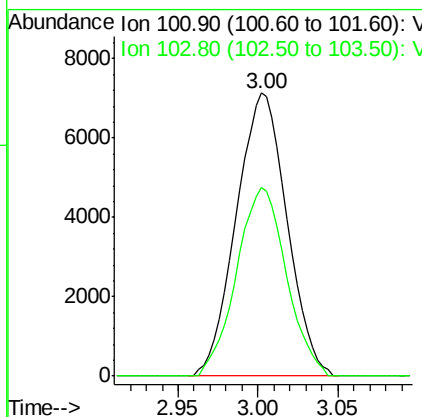
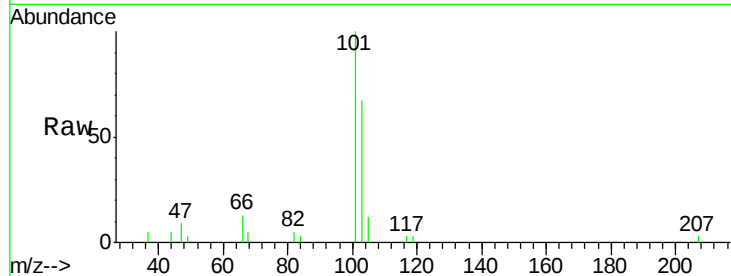
Trichlorofluoromethane
 Concen: 5.392 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VN061004.D
 Acq: 16 Apr 2020 11:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		15496		
103	66.8	51.4	77.2		

Manual Integrations
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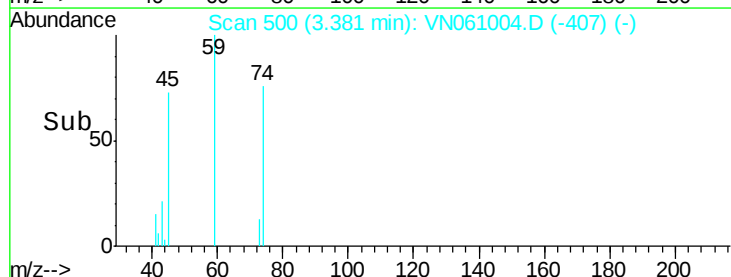
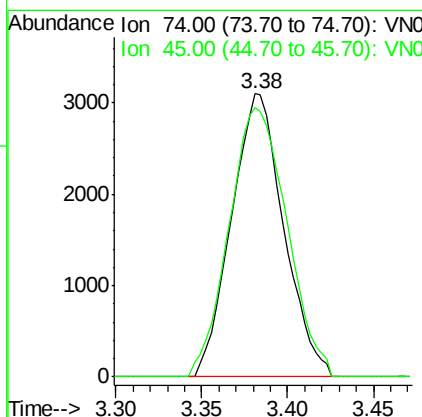
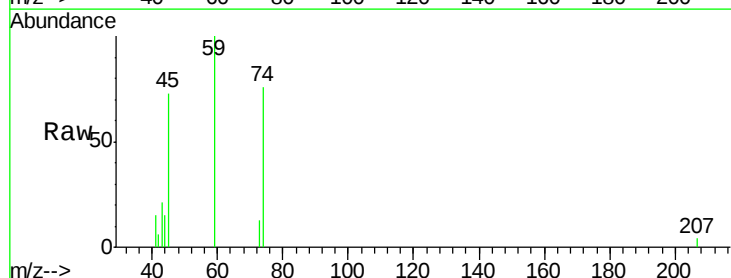
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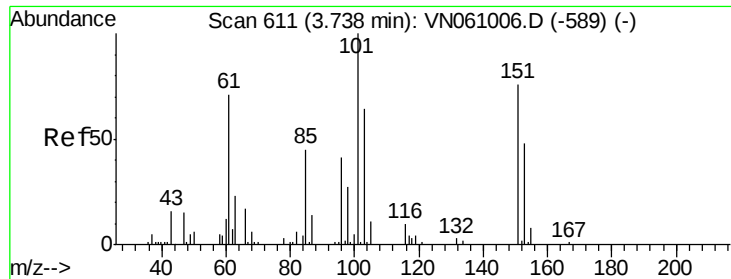


#8

Diethyl Ether
 Concen: 5.682 ug/l
 RT: 3.38 min Scan# 500
 Delta R.T. 0.00 min
 Lab File: VN061004.D
 Acq: 16 Apr 2020 11:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		6531		
45	105.4	52.9	158.8		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.772 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN061004.D

Acq: 16 Apr 2020 11:33

Instrument :

MSVOA_N

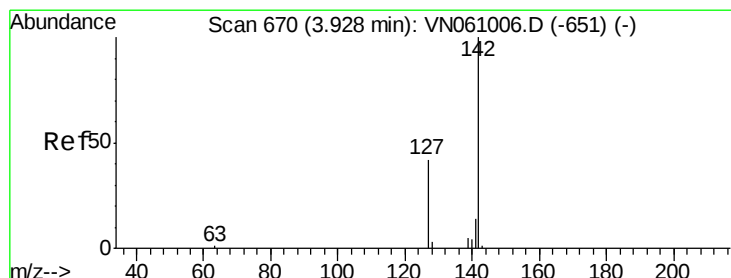
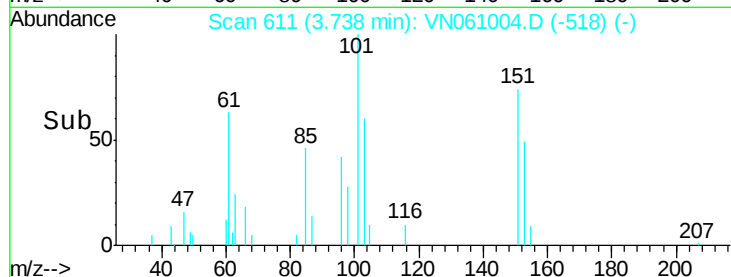
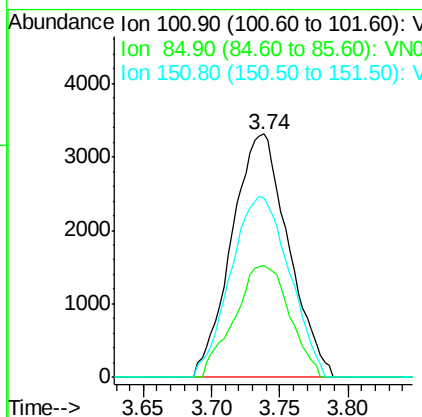
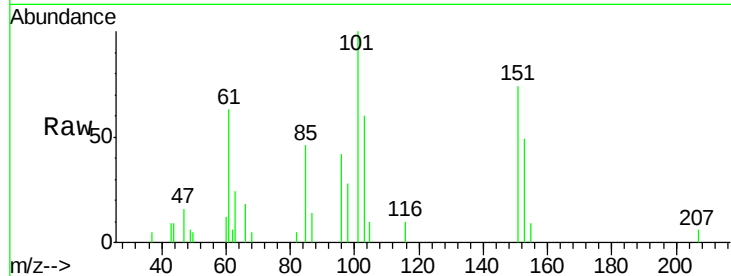
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	9558
Ion Ratio	Lower	Upper	
101	100		
85	44.5	35.9	53.9
151	77.1	60.8	91.2

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#10

Methyl Iodide

Concen: 4.846 ug/l

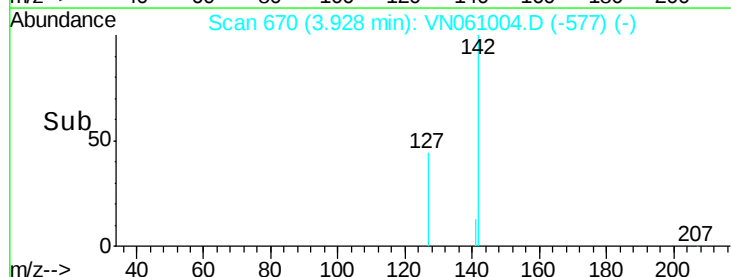
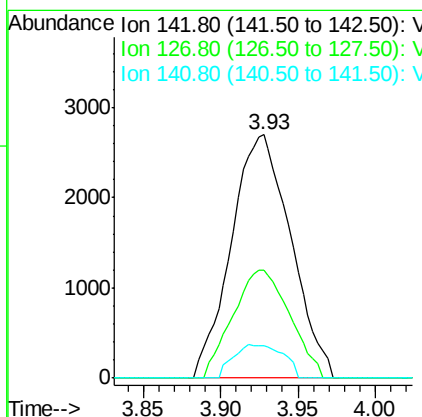
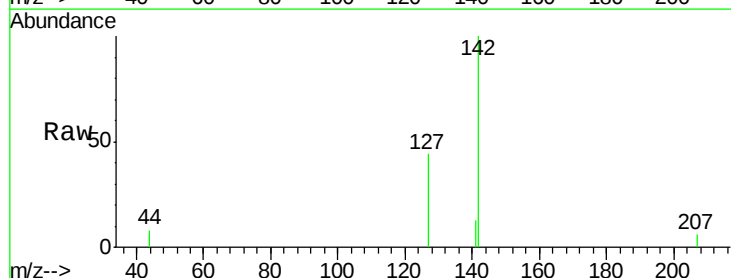
RT: 3.93 min Scan# 670

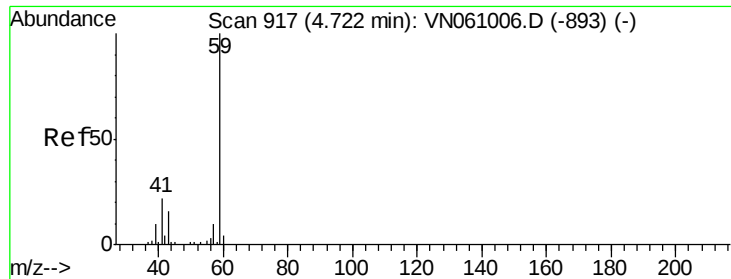
Delta R.T. 0.00 min

Lab File: VN061004.D

Acq: 16 Apr 2020 11:33

Tgt Ion:	142	Resp:	7216
Ion Ratio	Lower	Upper	
142	100		
127	42.5	33.4	50.2
141	11.3	11.0	16.6





#11

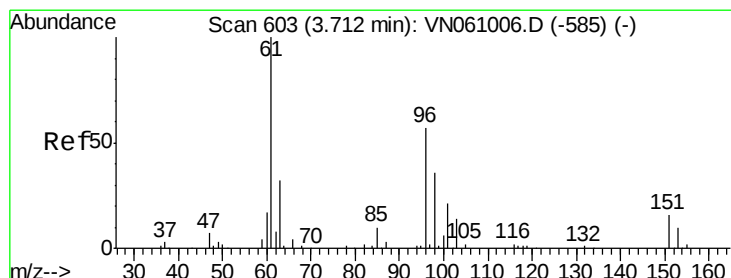
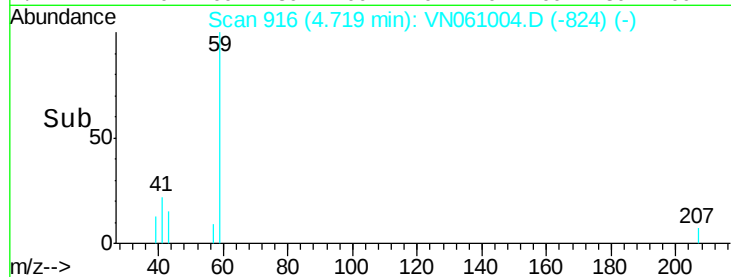
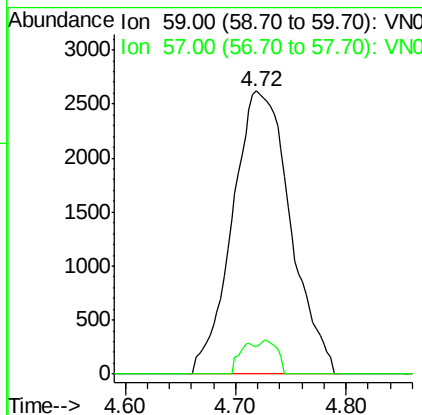
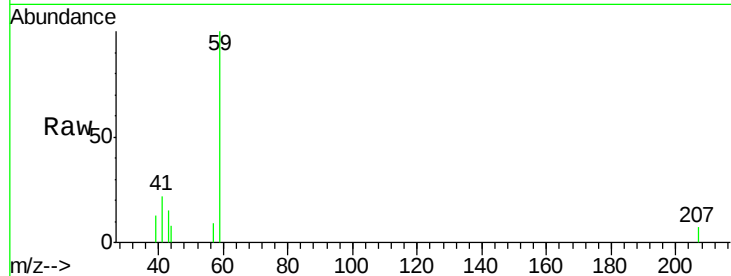
Tert butyl alcohol
Concen: 28.346 ug/l
RT: 4.72 min Scan# 916
Delta R.T. -0.00 min
Lab File: VN061004.D
Acq: 16 Apr 2020 11:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 59 Resp: 9554
Ion Ratio Lower Upper
59 100
57 3.3 8.1 12.1#

Manual Integrations
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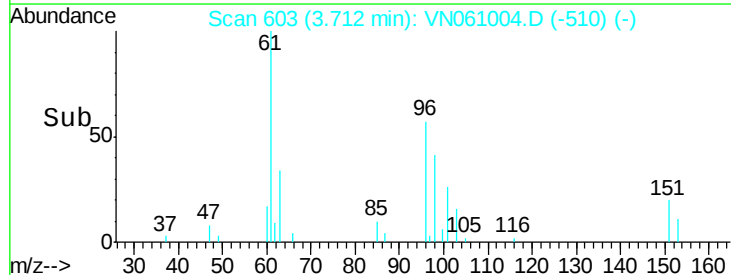
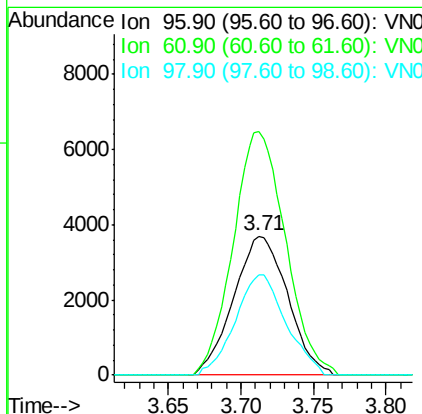
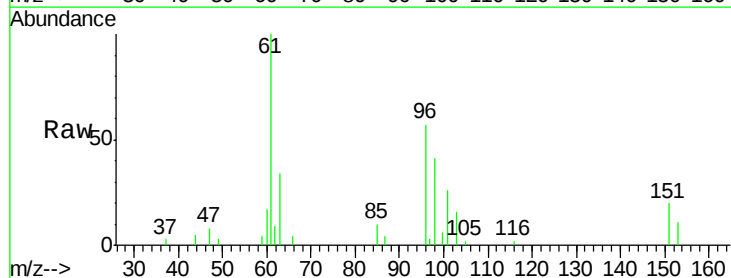
MMDadoda
4/17/2020 11:52:57 AM

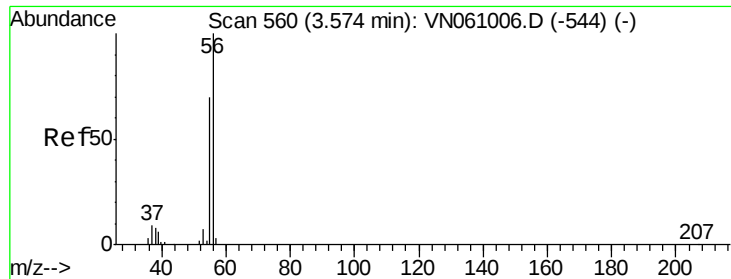


#12

1,1-Dichloroethene
Concen: 5.411 ug/l
RT: 3.71 min Scan# 603
Delta R.T. 0.00 min
Lab File: VN061004.D
Acq: 16 Apr 2020 11:33

Tgt Ion: 96 Resp: 9572
Ion Ratio Lower Upper
96 100
61 175.3 139.2 208.8
98 72.0 50.0 75.0





#13

Acrolein

Concen: 24.460 ug/l

RT: 3.57 min Scan# 560

Delta R.T. 0.00 min

Lab File: VN061004.D

Acq: 16 Apr 2020 11:33

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion: 56 Resp: 8586

Ion Ratio Lower Upper

56 100

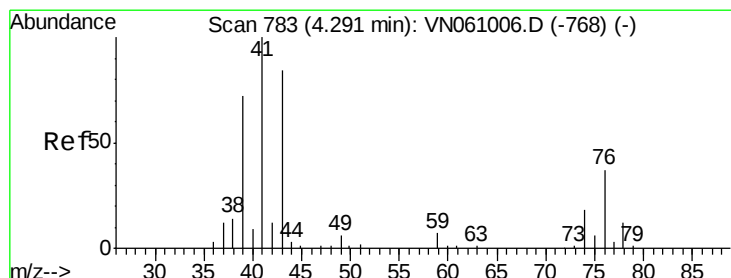
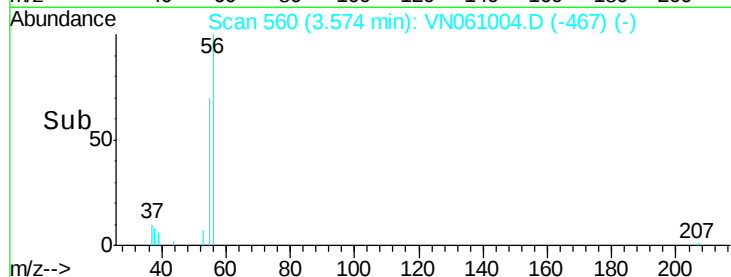
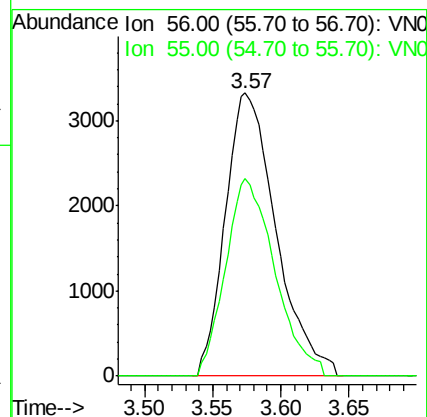
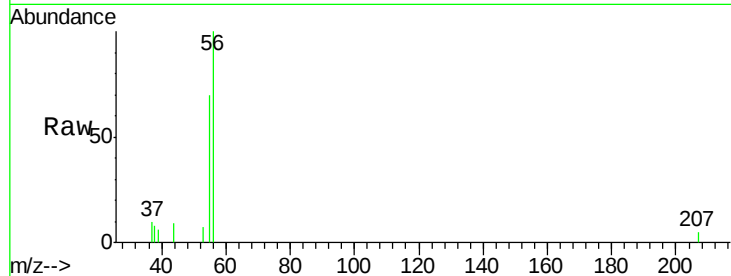
55 67.9 57.0 85.6

Manual Integrations

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#14

Allyl chloride

Concen: 5.988 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN061004.D

Acq: 16 Apr 2020 11:33

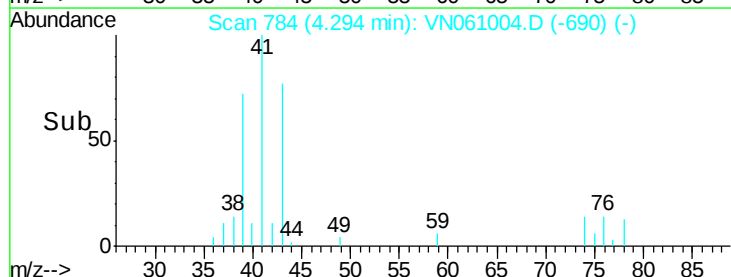
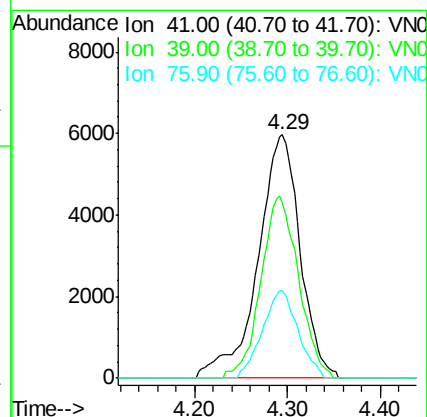
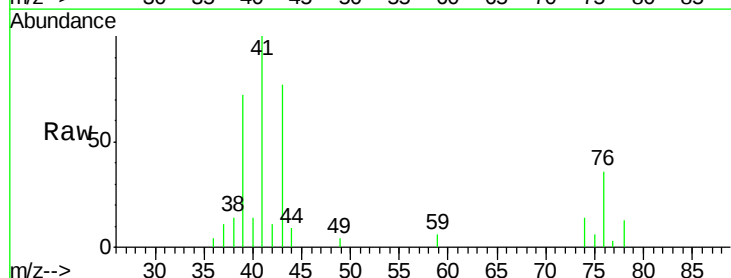
Tgt Ion: 41 Resp: 18851

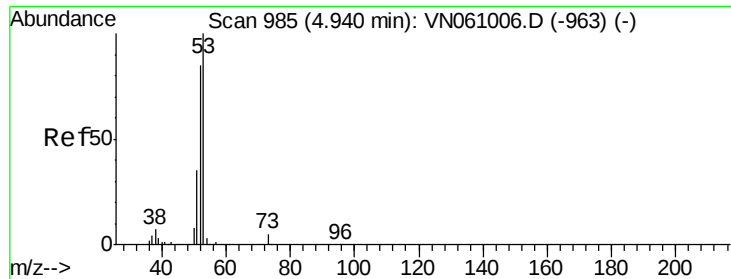
Ion Ratio Lower Upper

41 100

39 66.9 56.3 84.5

76 30.4 27.7 41.5





#15

Acrylonitrile

Concen: 27.444 ug/l

RT: 4.94 min Scan# 986

Delta R.T. 0.00 min

Lab File: VN061004.D

Acq: 16 Apr 2020 11:33

Instrument :

MSVOA_N

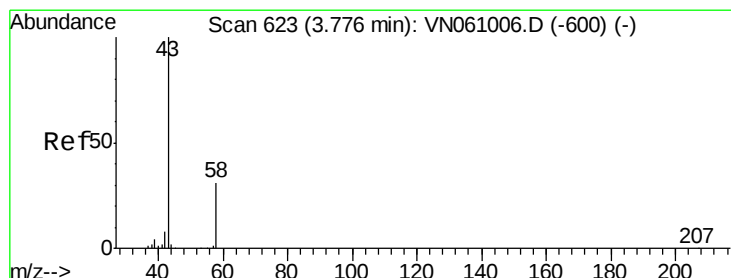
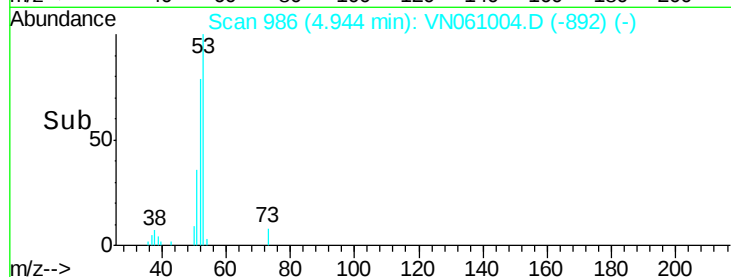
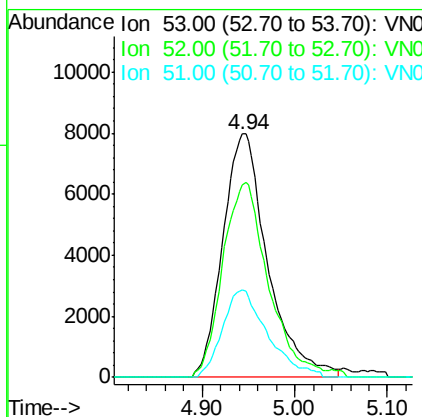
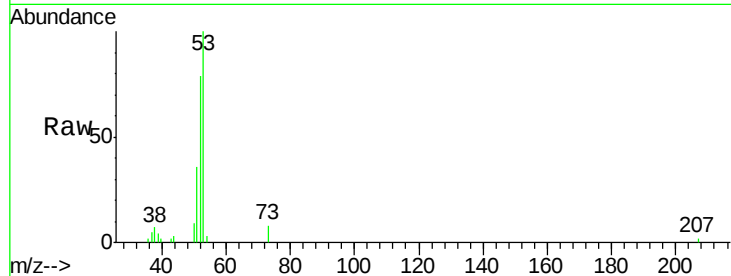
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	26808
Ion	Ratio	Lower	Upper
53	100		
52	81.0	66.8	100.2
51	36.2	28.9	43.3

Manual Integrations
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#16

Acetone

Concen: 28.792 ug/l

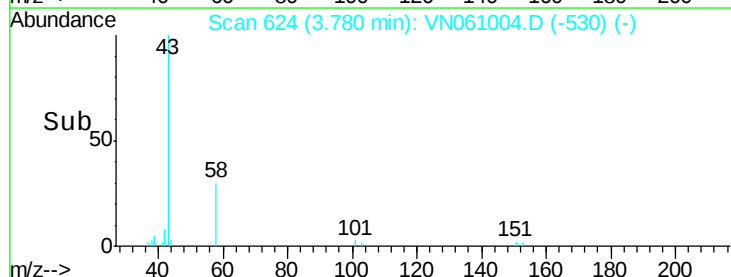
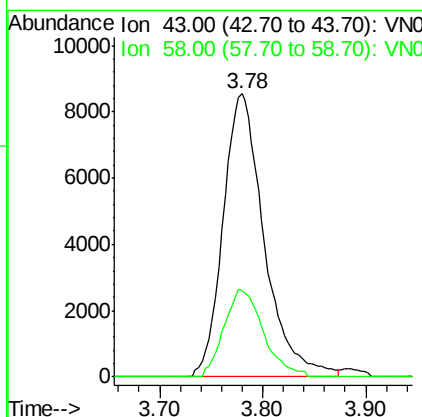
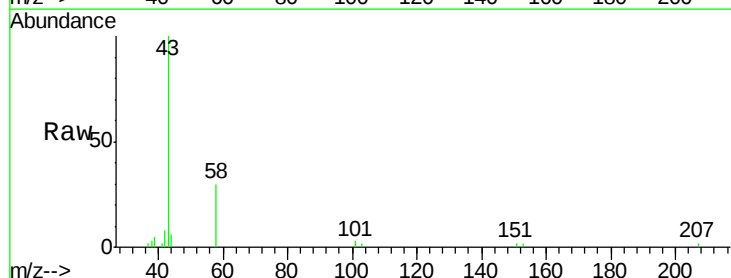
RT: 3.78 min Scan# 624

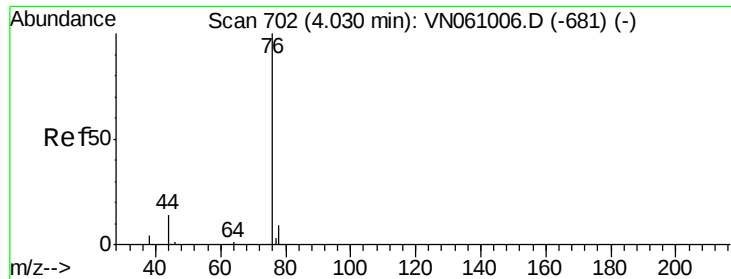
Delta R.T. 0.00 min

Lab File: VN061004.D

Acq: 16 Apr 2020 11:33

Tgt Ion:	43	Resp:	23690
Ion	Ratio	Lower	Upper
43	100		
58	30.4	24.6	37.0





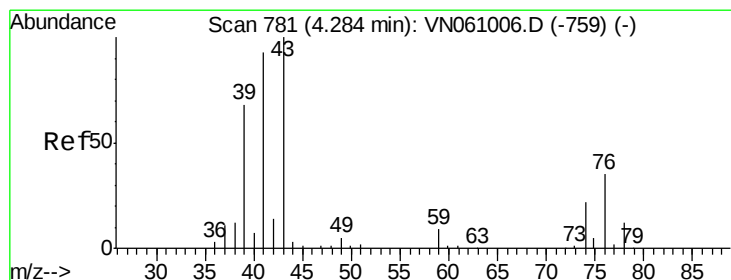
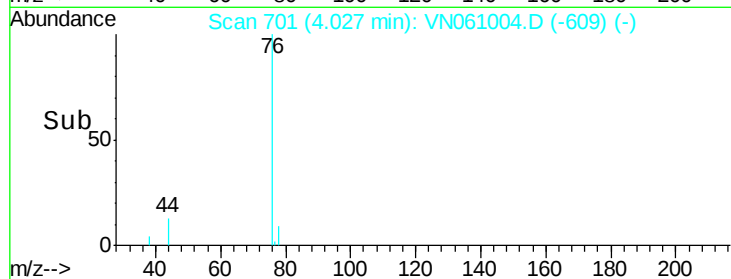
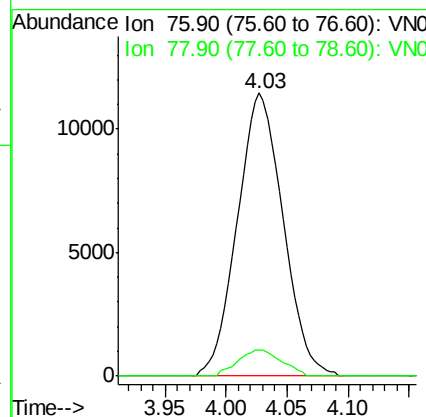
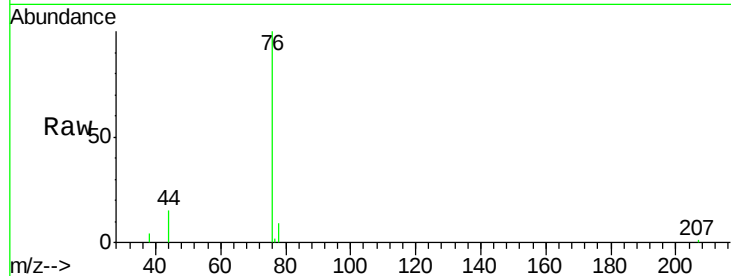
#17
Carbon Disulfide
Concen: 5.513 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN061004.D
Acq: 16 Apr 2020 11:33

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion: 76 Resp: 29744
Ion Ratio Lower Upper
76 100
78 9.3 7.6 11.4

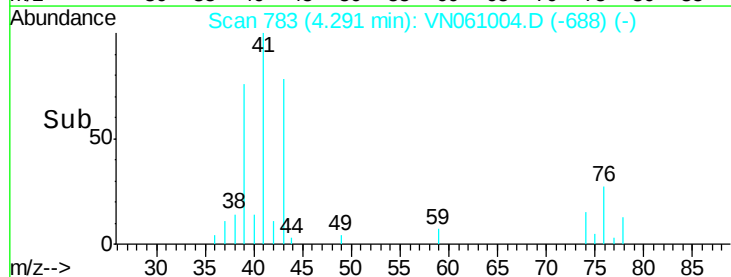
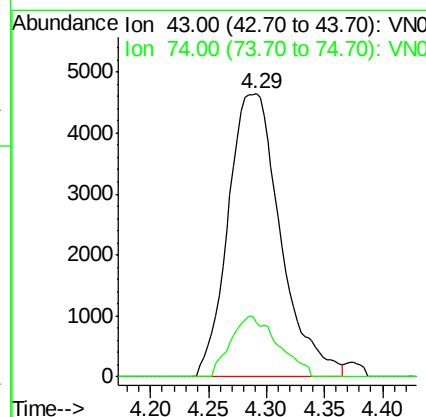
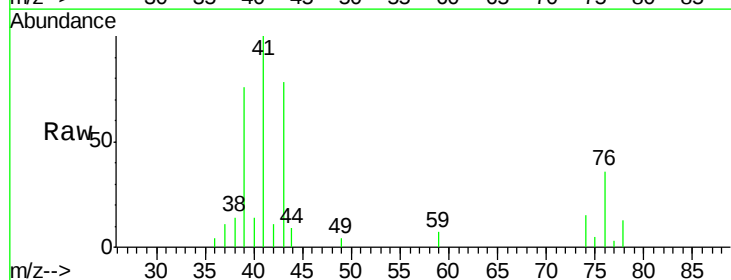
Manual Integrations
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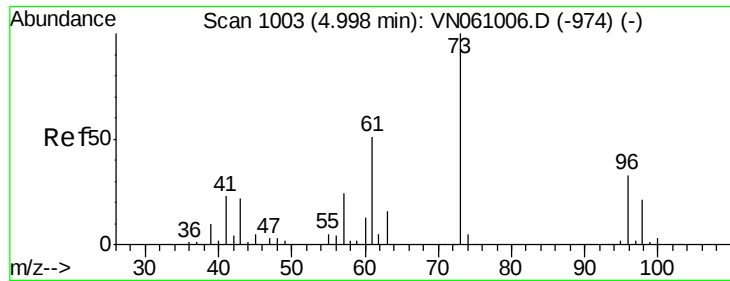
MMDadoda
4/17/2020 11:52:57 AM



#18
Methyl Acetate
Concen: 6.221 ug/l
RT: 4.29 min Scan# 783
Delta R.T. 0.01 min
Lab File: VN061004.D
Acq: 16 Apr 2020 11:33

Tgt Ion: 43 Resp: 14605
Ion Ratio Lower Upper
43 100
74 19.4 17.4 26.0





#19

Methyl tert-butyl Ether

Concen: 5.591 ug/l

RT: 5.00 min Scan# 1004

Delta R.T. 0.00 min

Lab File: VN061004.D

Acq: 16 Apr 2020 11:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 73 Resp: 34119

Ion Ratio Lower Upper

73 100

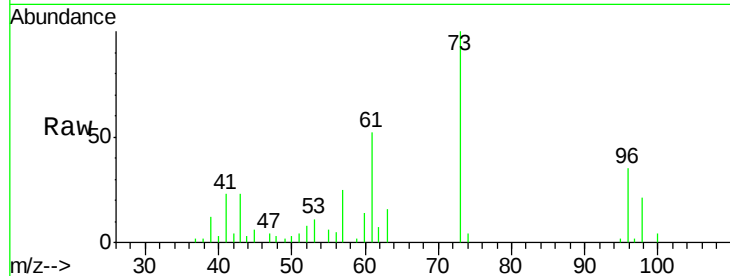
57 24.6 19.0 28.4

Manual Integrations

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MMDadoda

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Abundance Ion 73.00 (72.70 to 73.70): VN061006.D (-974) (-)

Ion 57.00 (56.70 to 57.70): VN061006.D (-974) (-)

5000

8000

6000

4000

2000

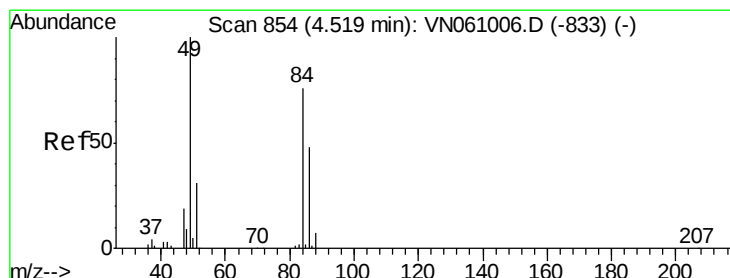
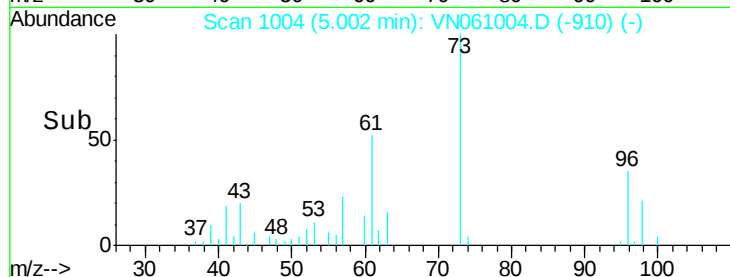
0

Time-->

4.90

5.00

5.10



#20

Methylene Chloride

Concen: 5.519 ug/l

RT: 4.52 min Scan# 854

Delta R.T. 0.00 min

Lab File: VN061004.D

Acq: 16 Apr 2020 11:33

Tgt Ion: 84 Resp: 10802

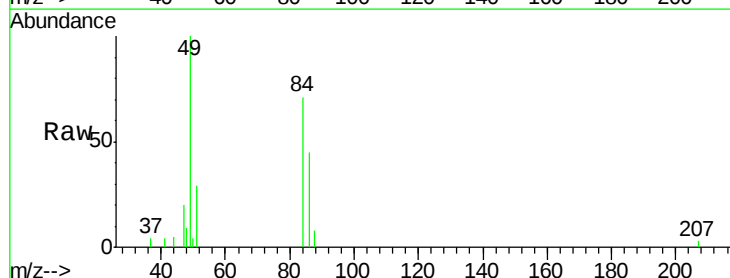
Ion Ratio Lower Upper

84 100

49 140.5 105.8 158.6

51 40.8 32.4 48.6

86 62.9 51.1 76.7



Abundance Ion 83.90 (83.60 to 84.60): VN061006.D (-833) (-)

Ion 48.90 (48.60 to 49.60): VN061006.D (-833) (-)

Ion 50.90 (50.60 to 51.60): VN061006.D (-833) (-)

Ion 85.90 (85.60 to 86.60): VN061006.D (-833) (-)

6000

4000

2000

0

Time-->

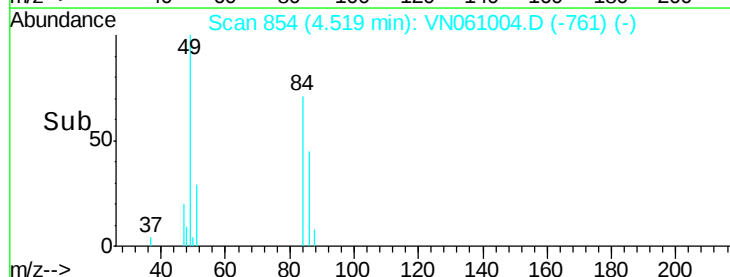
4.40

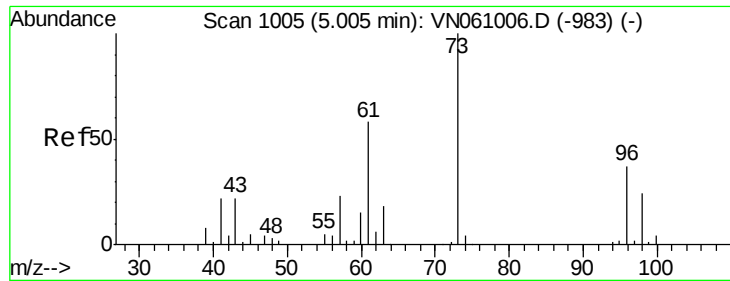
4.45

4.50

4.55

4.60





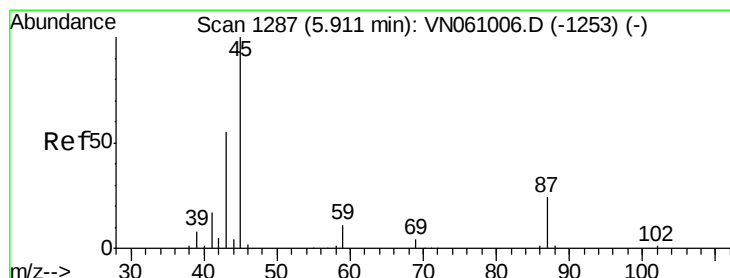
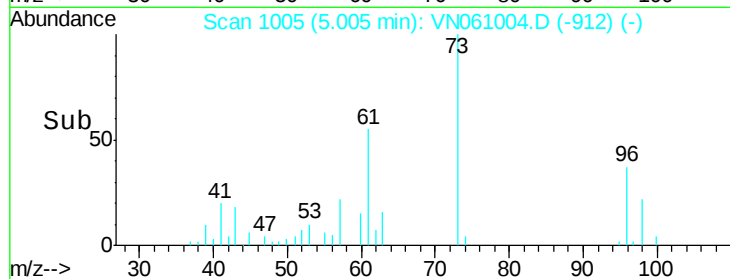
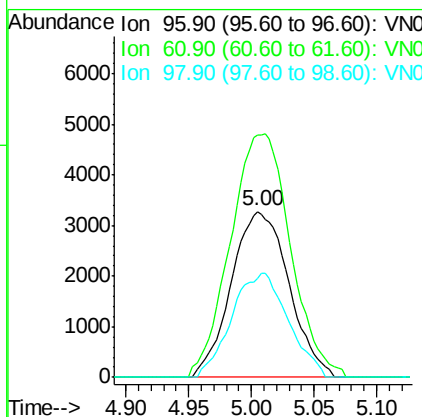
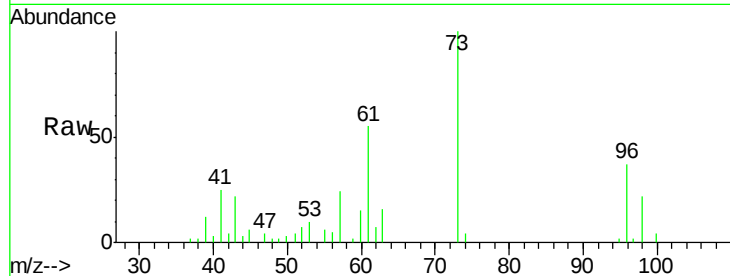
#21
trans-1,2-Dichloroethene
Concen: 5.561 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. 0.00 min
Lab File: VN061004.D
Acq: 16 Apr 2020 11:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	146.2	124.8	187.2
98	59.5	51.3	76.9

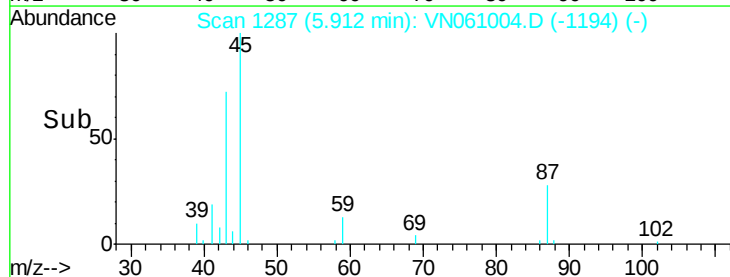
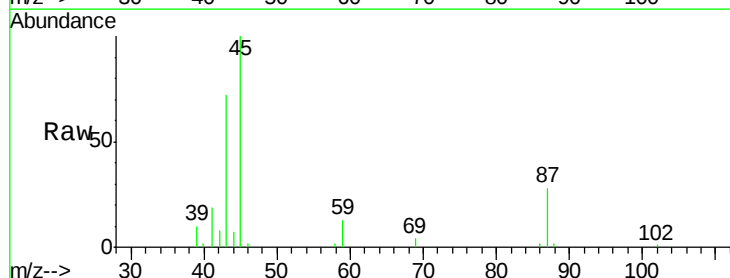
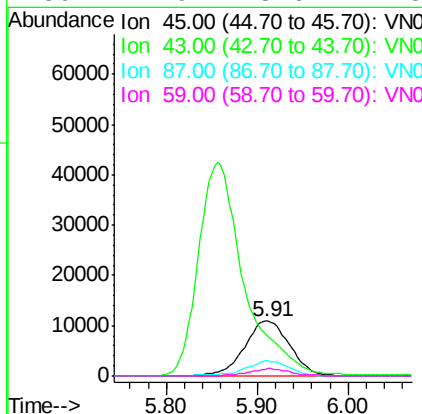
Manual Integrations
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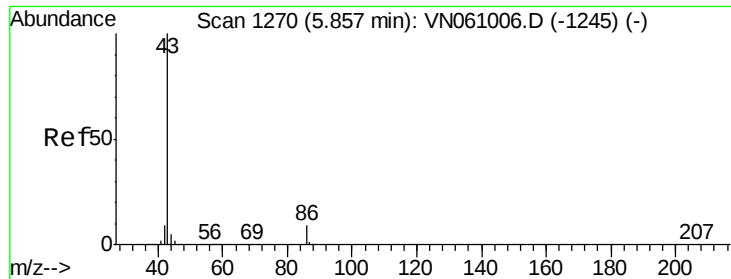
MMDadoda
4/17/2020 11:52:57 AM



#22
Diisopropyl ether
Concen: 5.686 ug/l
RT: 5.91 min Scan# 1287
Delta R.T. 0.00 min
Lab File: VN061004.D
Acq: 16 Apr 2020 11:33

Tgt Ion	Ratio	Lower	Upper
45	100		
43	67.6	48.6	72.8
87	27.6	19.4	29.2
59	12.9	8.6	12.8





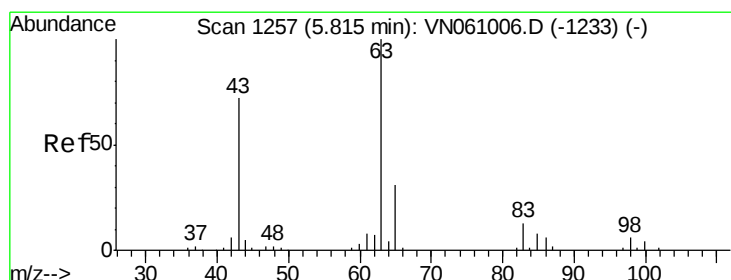
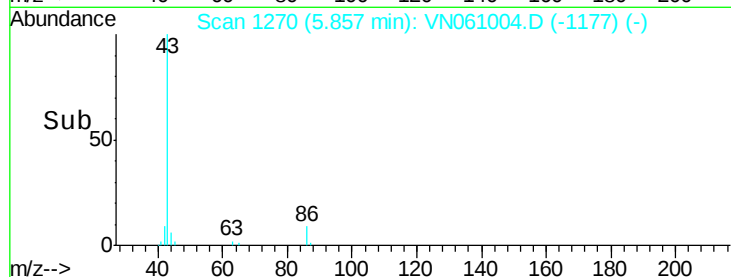
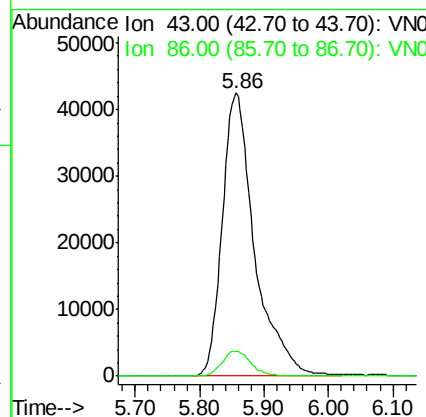
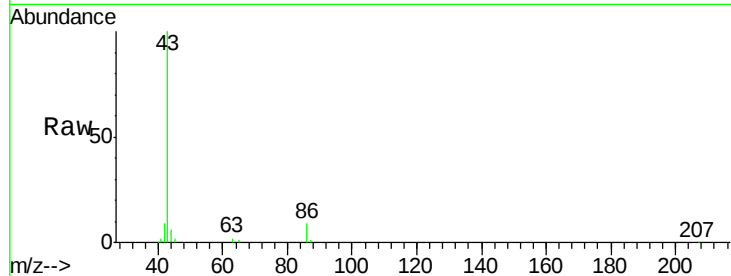
#23
 Vinyl Acetate
 Concen: 27.717 ug/l
 RT: 5.86 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VN061004.D
 Acq: 16 Apr 2020 11:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	43	Resp	148832
Ion Ratio	Lower	Upper	
43	100		
86	8.8	7.3	10.9

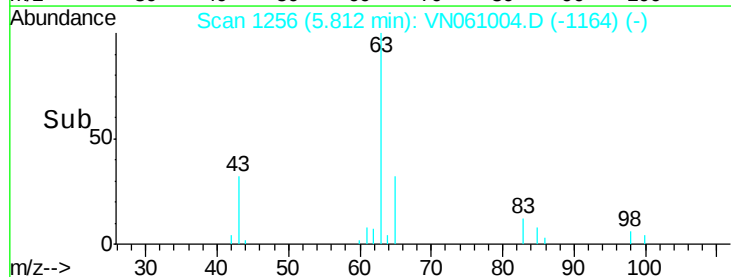
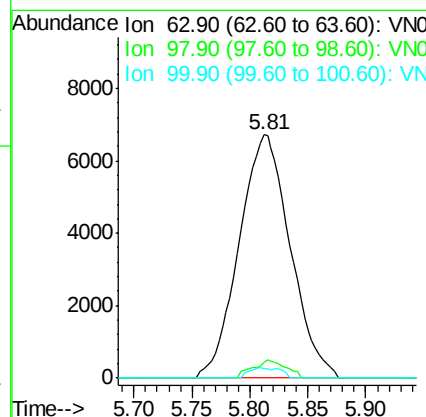
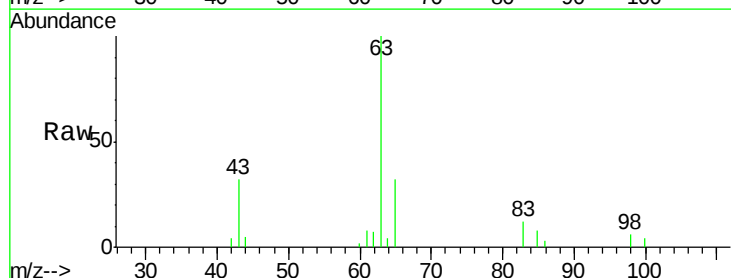
Manual Integrations
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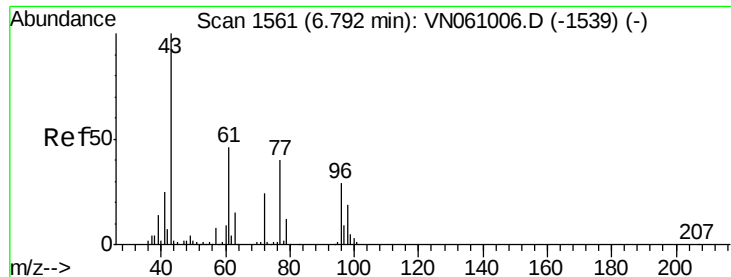
MMDadoda
 4/17/2020 11:52:57 AM



#24
 1,1-Dichloroethane
 Concen: 5.692 ug/l
 RT: 5.81 min Scan# 1256
 Delta R.T. -0.00 min
 Lab File: VN061004.D
 Acq: 16 Apr 2020 11:33

Tgt Ion	63	Resp	20527
Ion Ratio	Lower	Upper	
63	100		
98	6.3	2.9	8.8
100	4.0	2.0	5.8





#25

2-Butanone

Concen: 27.762 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VN061004.D

Acq: 16 Apr 2020 11:33

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion: 43 Resp: 36324

Ion Ratio Lower Upper

43 100

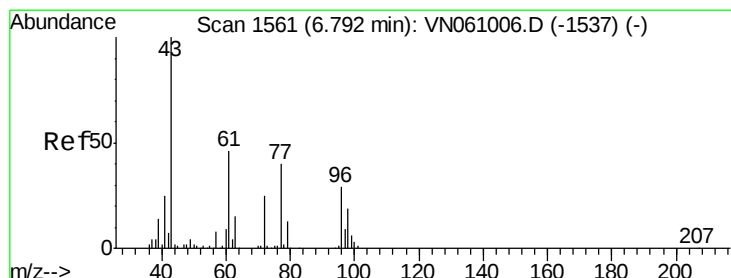
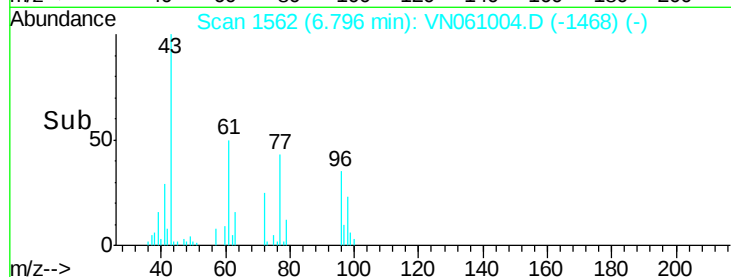
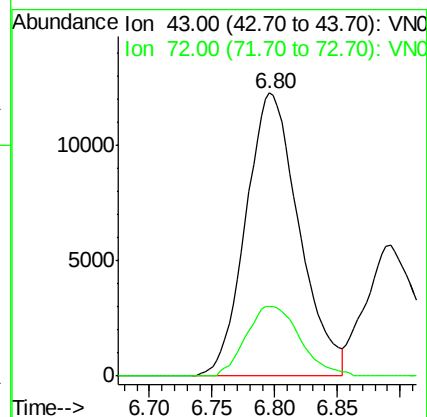
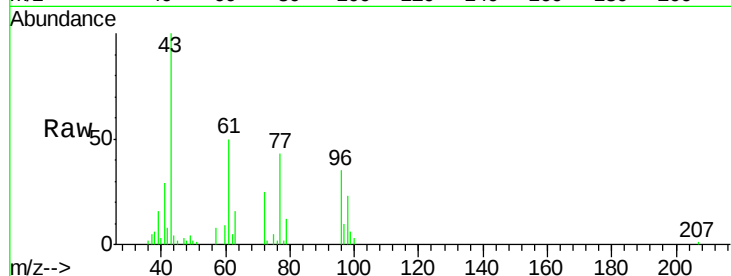
72 24.7 19.6 29.4

Manual Integrations

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MMDadoda

4/17/2020 11:52:57 AM



#26

2,2-Dichloropropane

Concen: 5.815 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. 0.00 min

Lab File: VN061004.D

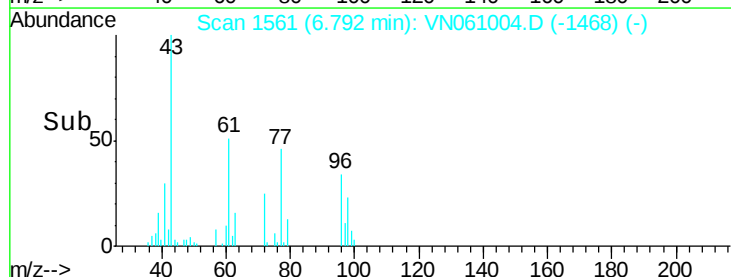
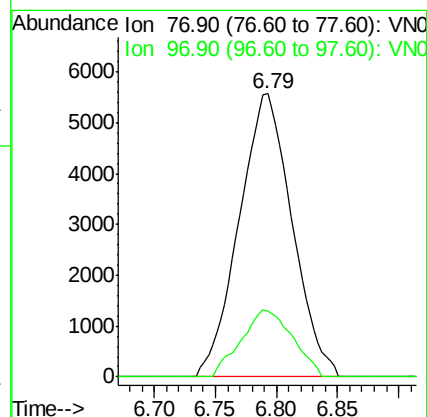
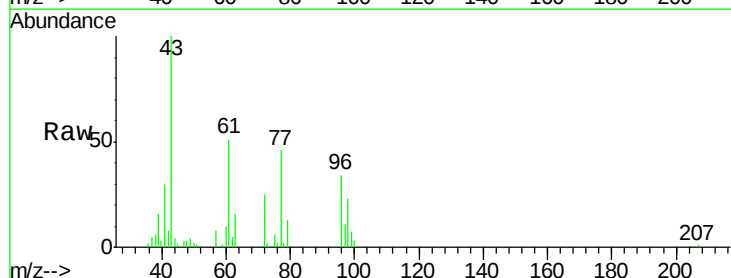
Acq: 16 Apr 2020 11:33

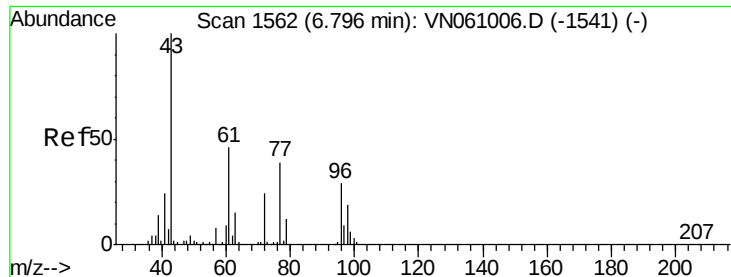
Tgt Ion: 77 Resp: 16759

Ion Ratio Lower Upper

77 100

97 23.0 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 5.552 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VN061004.D

Acq: 16 Apr 2020 11:33

Instrument :

MSVOA_N

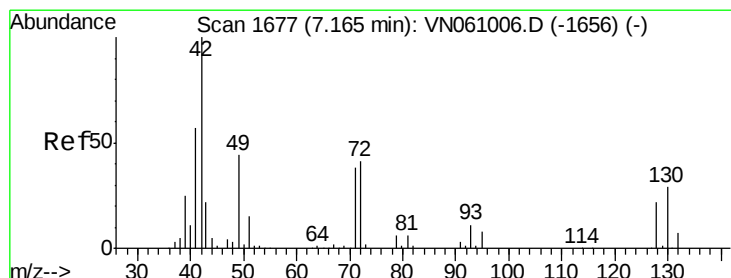
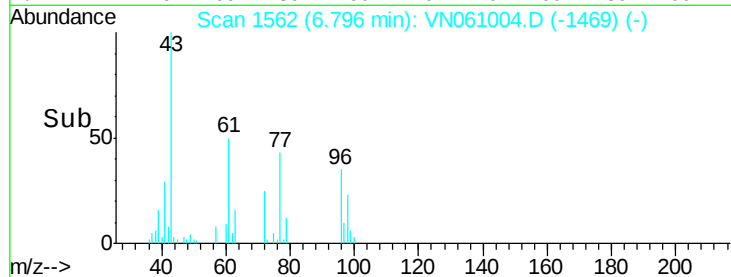
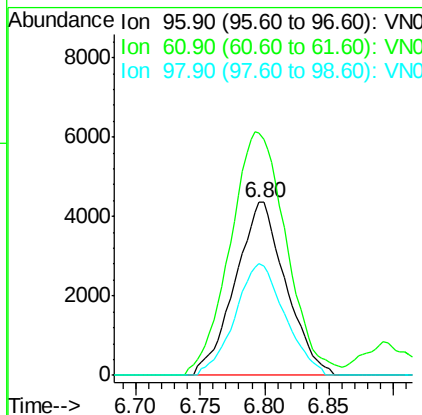
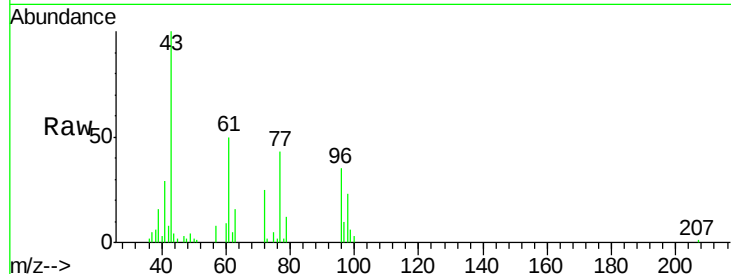
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	11926
Ion	Ratio	Lower	Upper
96	100		
61	155.9	0.0	317.4
98	63.3	0.0	127.8

Manual Integrations
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MMDadoda
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#28

Bromochloromethane

Concen: 5.437 ug/l

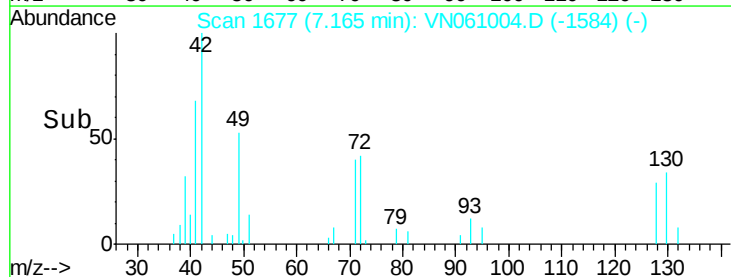
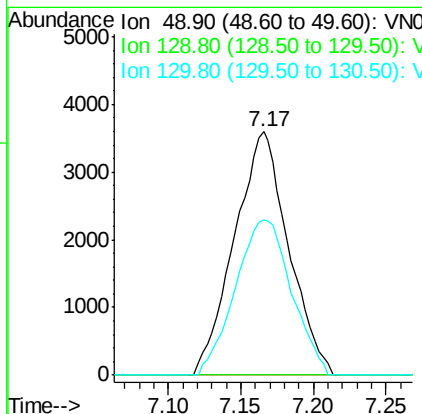
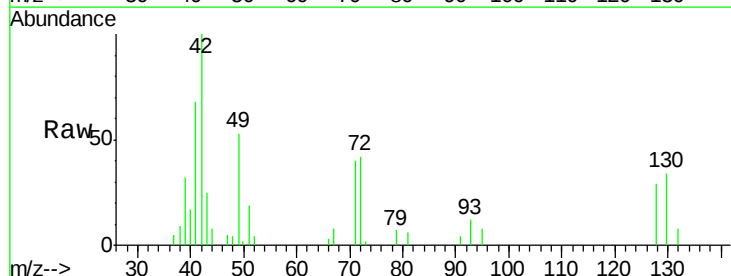
RT: 7.17 min Scan# 1677

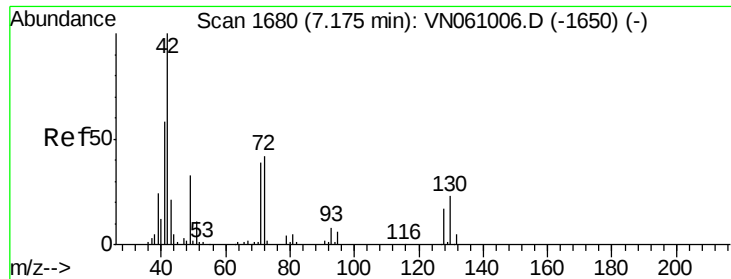
Delta R.T. 0.00 min

Lab File: VN061004.D

Acq: 16 Apr 2020 11:33

Tgt Ion:	49	Resp:	9333
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.0
130	66.0	52.9	79.3





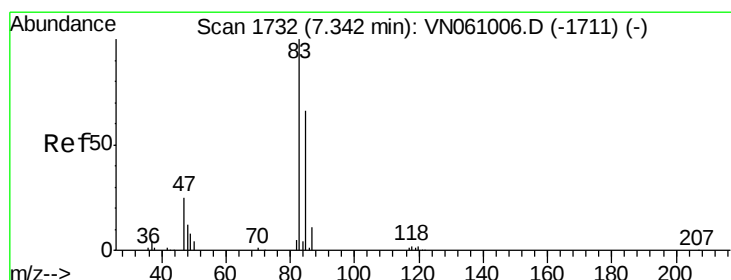
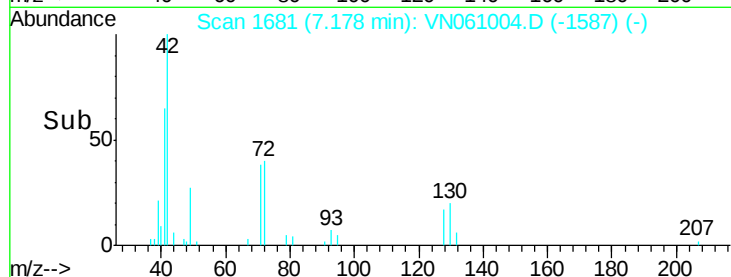
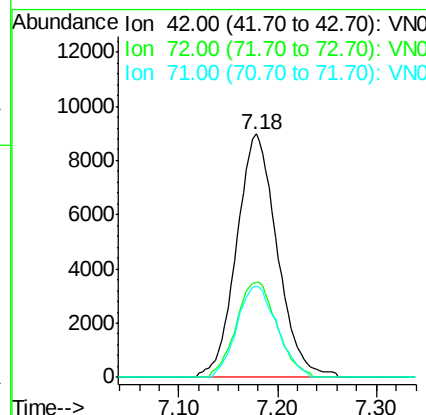
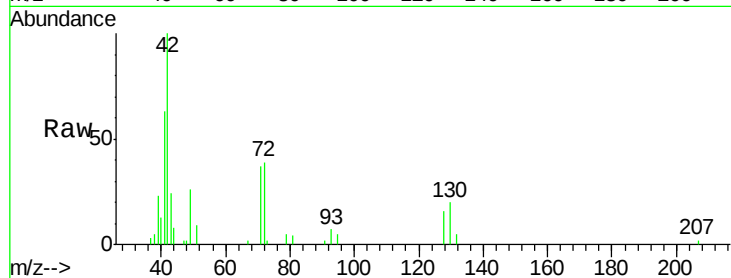
#29
Tetrahydrofuran
Concen: 28.026 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN061004.D
Acq: 16 Apr 2020 11:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.3	32.1	48.1
71	36.8	30.5	45.7

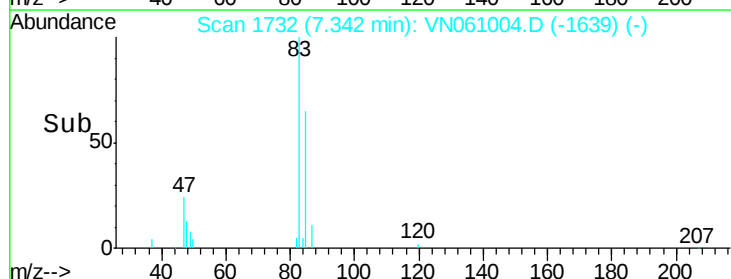
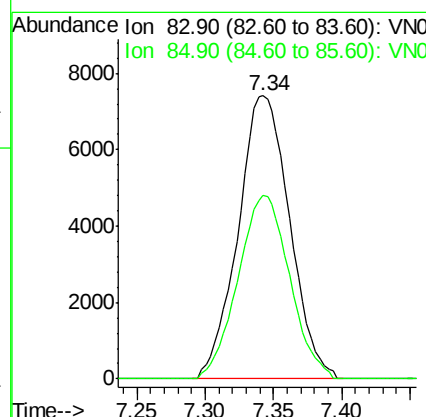
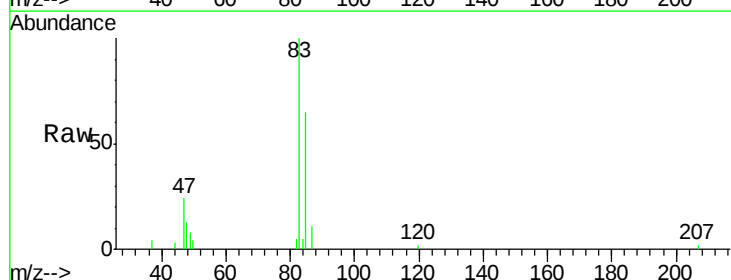
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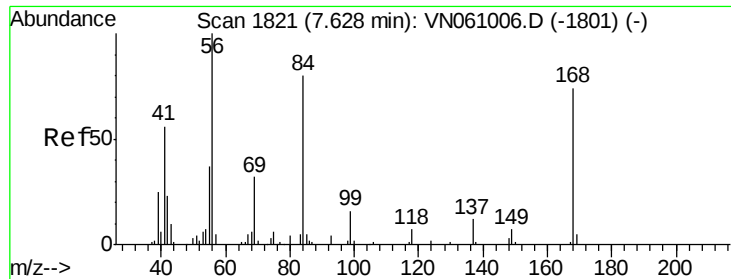
MMDadoda
4/17/2020 11:52:57 AM



#30
Chloroform
Concen: 5.634 ug/l
RT: 7.34 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VN061004.D
Acq: 16 Apr 2020 11:33

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	52.8	79.2





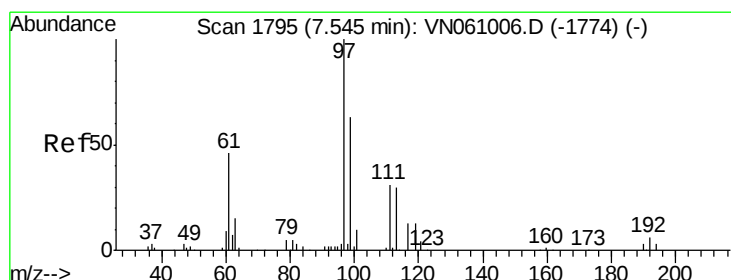
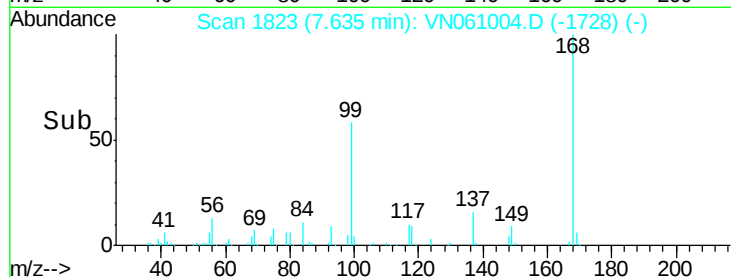
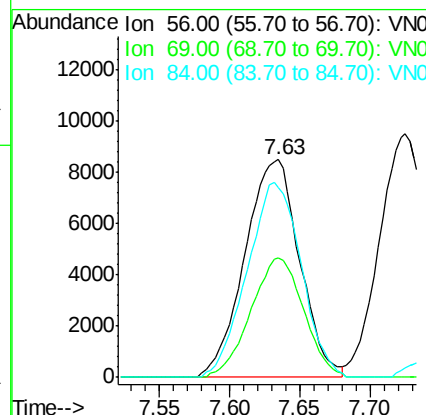
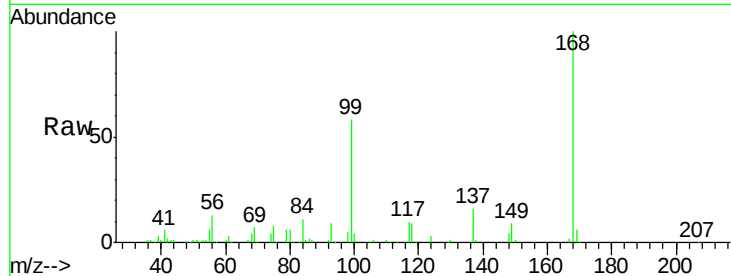
#31
Cyclohexane
Concen: 6.299 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. 0.01 min
Lab File: VN061004.D
Acq: 16 Apr 2020 11:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	55.1	25.6	38.4#
84	87.4	63.4	95.2

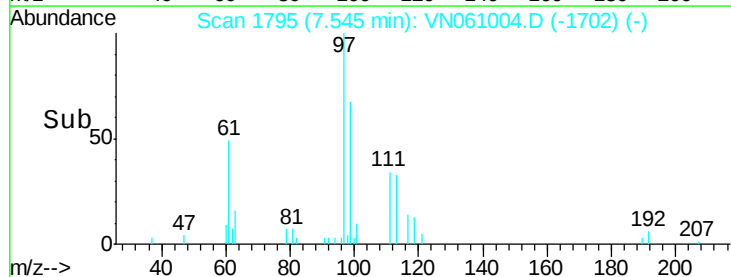
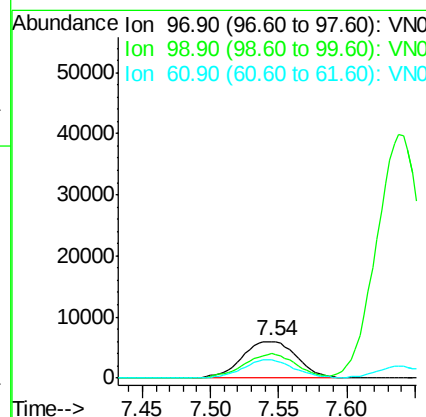
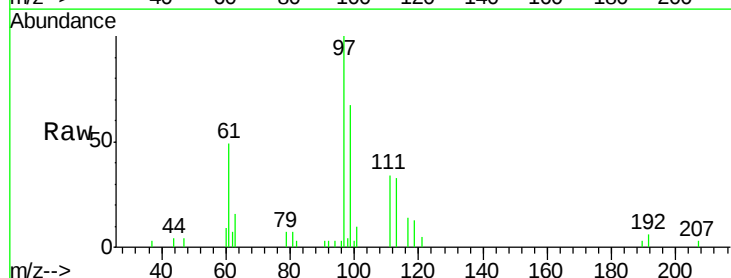
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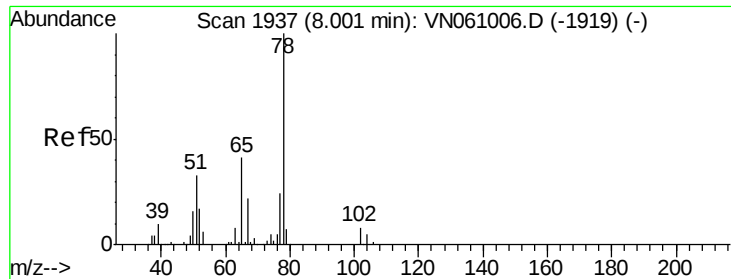
MMDadoda
4/17/2020 11:52:57 AM



#32
1,1,1-Trichloroethane
Concen: 5.624 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. 0.00 min
Lab File: VN061004.D
Acq: 16 Apr 2020 11:33

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.0	76.4
61	46.0	37.0	55.6





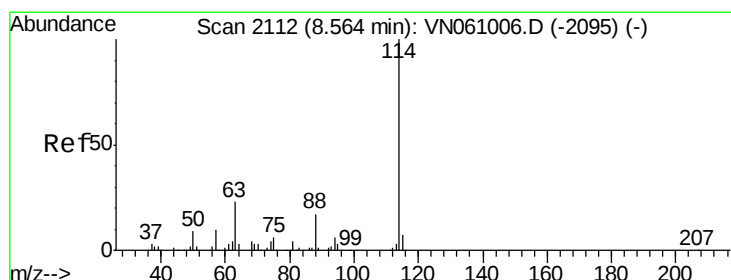
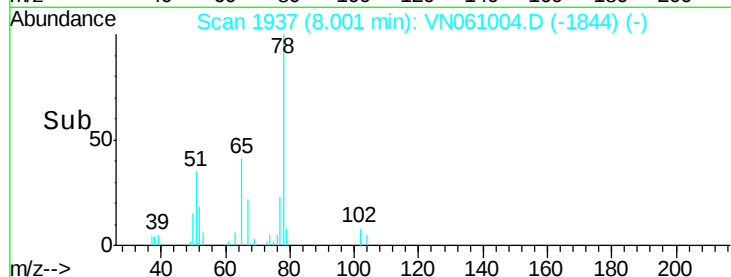
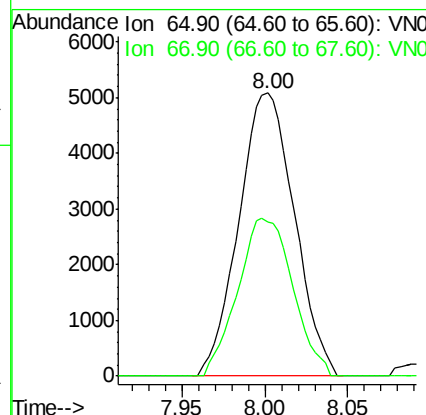
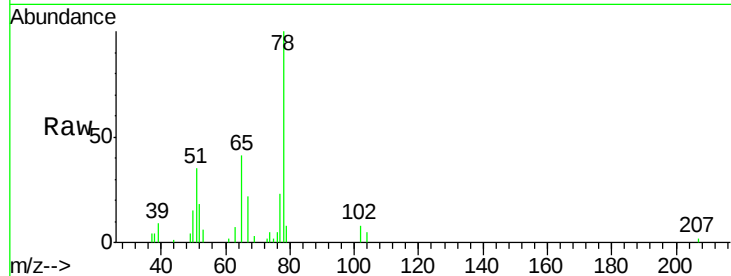
#33
 1,2-Dichloroethane-d4
 Concen: 5.428 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VN061004.D
 Acq: 16 Apr 2020 11:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.2	0.0	107.0

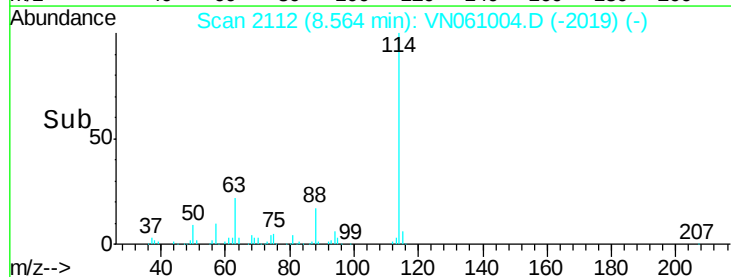
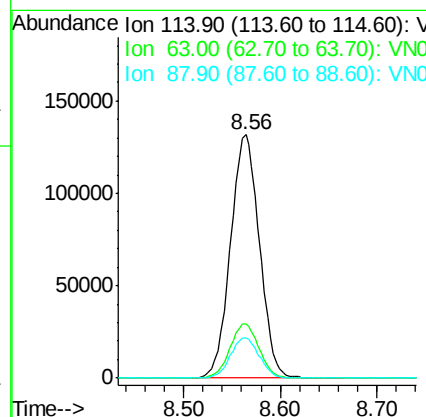
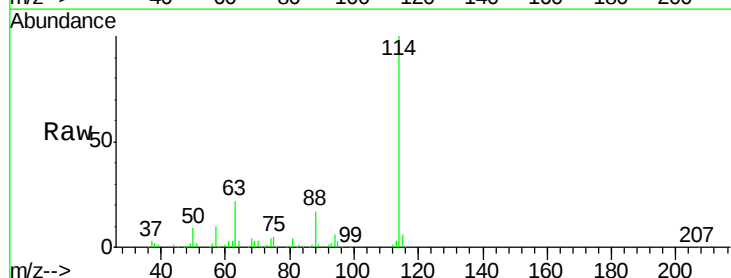
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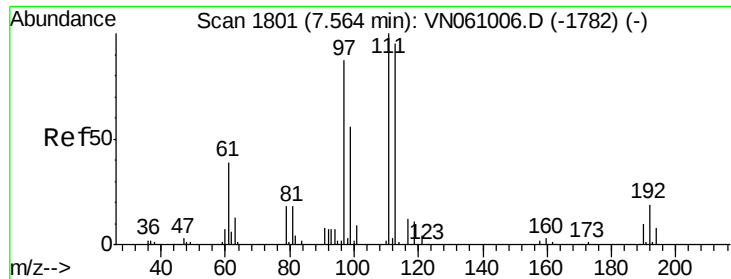
MMDadoda
 4/17/2020 11:52:57 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VN061004.D
 Acq: 16 Apr 2020 11:33

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	46.2
88	16.5	0.0	33.4





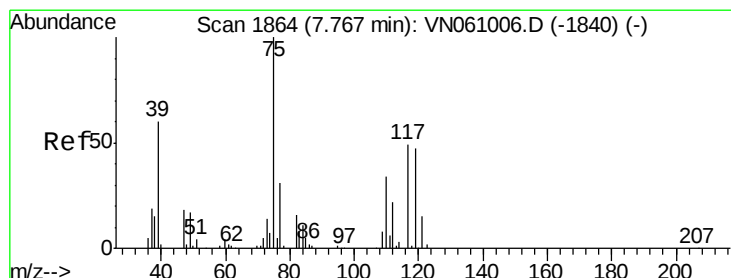
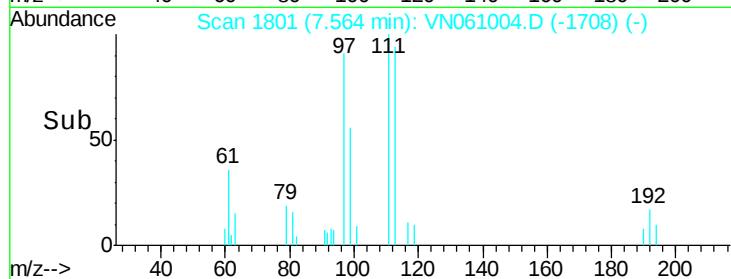
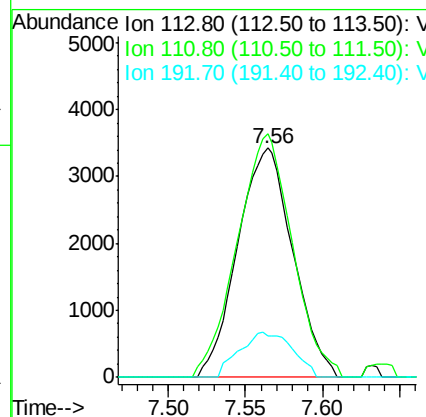
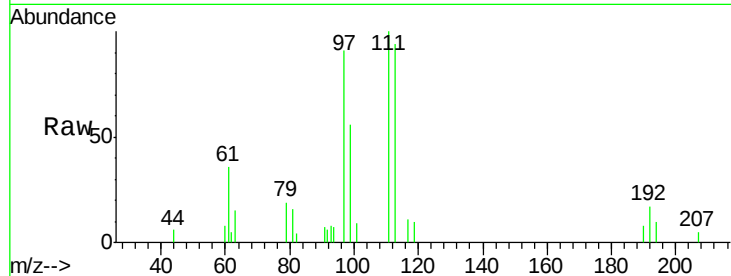
#35
 Dibromofluoromethane
 Concen: 5.217 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. 0.00 min
 Lab File: VN061004.D
 Acq: 16 Apr 2020 11:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
113	100		
111	106.0	83.4	125.2
192	18.9	15.5	23.3

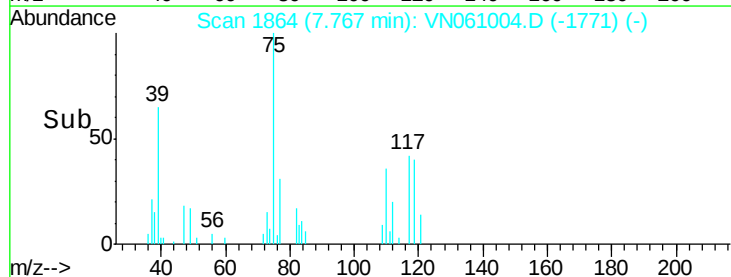
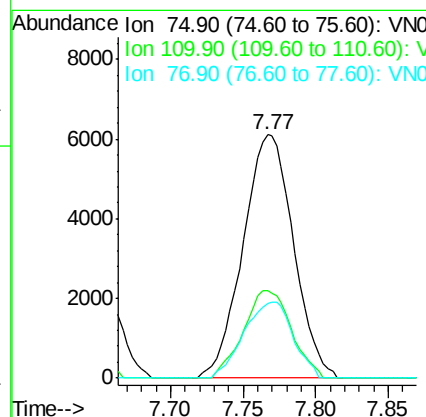
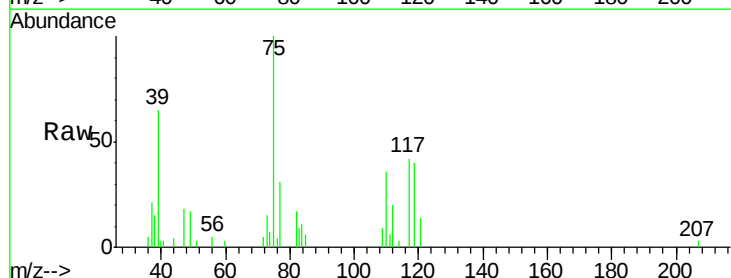
Manual Integrations
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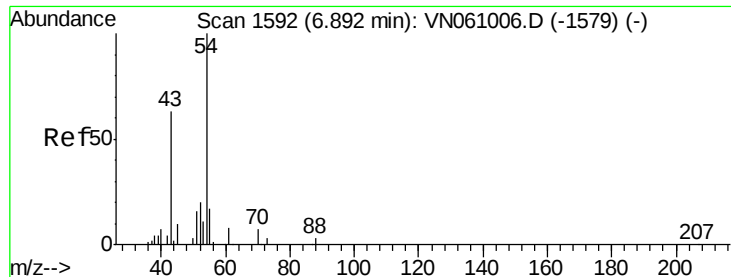
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 4/17/2020 11:52:57 AM



#36
 1,1-Dichloropropene
 Concen: 5.543 ug/l
 RT: 7.77 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VN061004.D
 Acq: 16 Apr 2020 11:33

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.3	16.8	50.3
77	30.3	24.7	37.1





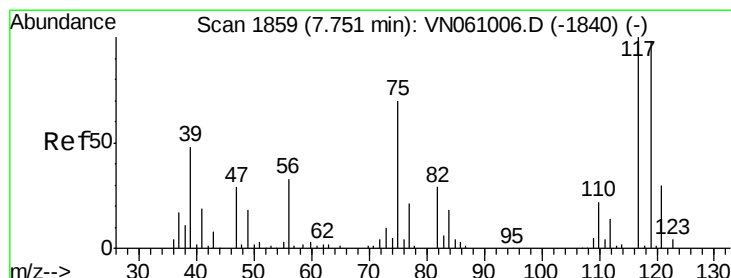
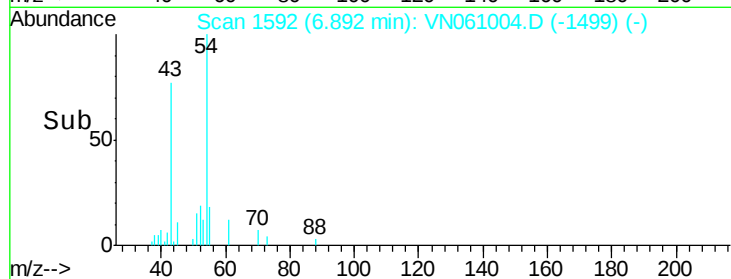
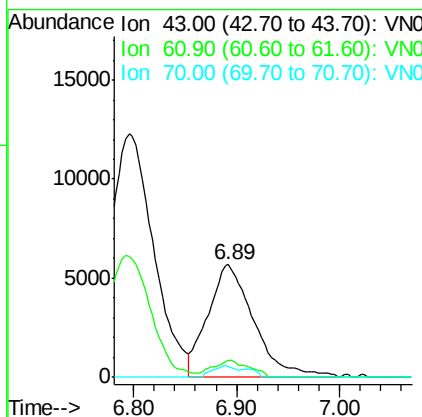
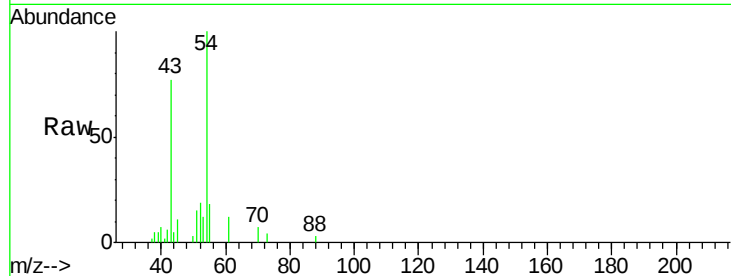
#37
Ethyl Acetate
Concen: 6.085 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. 0.00 min
Lab File: VN061004.D
Acq: 16 Apr 2020 11:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.1	10.9	16.3
70	5.0	7.7	11.5

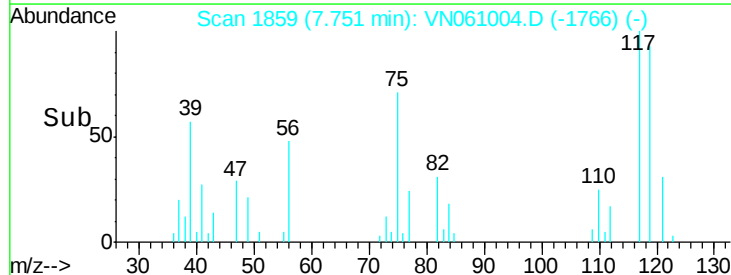
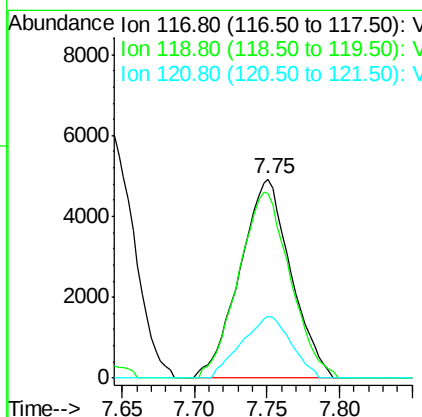
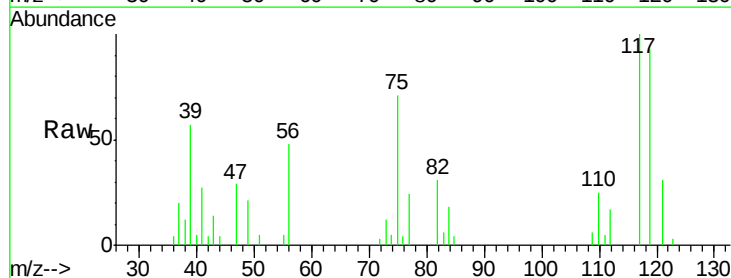
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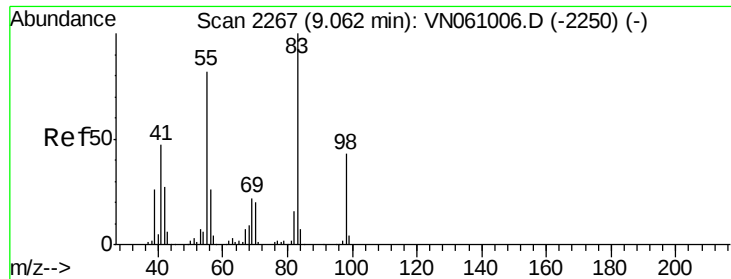
MMDadoda
4/17/2020 11:52:57 AM



#38
Carbon Tetrachloride
Concen: 5.063 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN061004.D
Acq: 16 Apr 2020 11:33

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.1	78.1	117.1
121	31.1	24.0	36.0





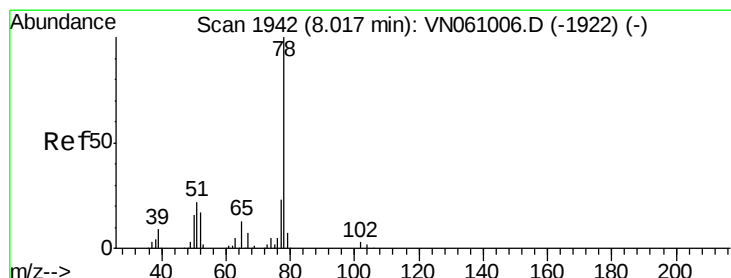
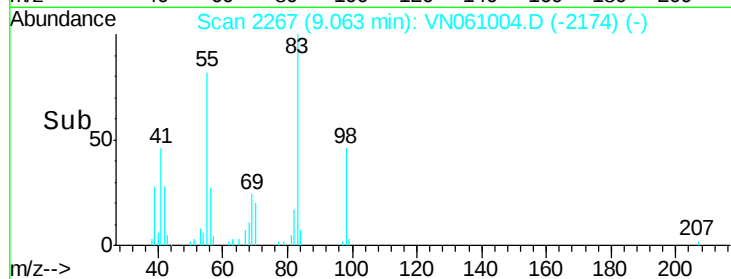
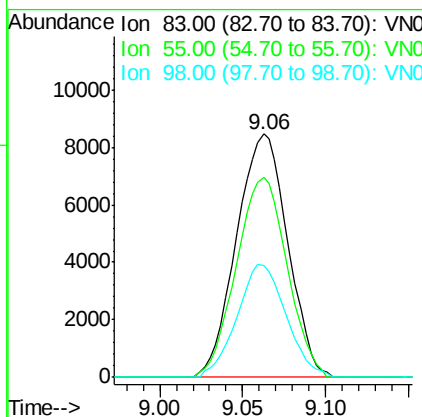
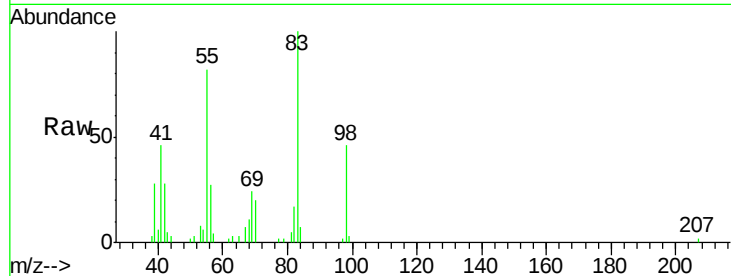
#39
Methvlcvclohexane
Concen: 5.700 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. 0.00 min
Lab File: VN061004.D
Acq: 16 Apr 2020 11:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.0	65.4	98.0
98	45.9	34.6	51.8

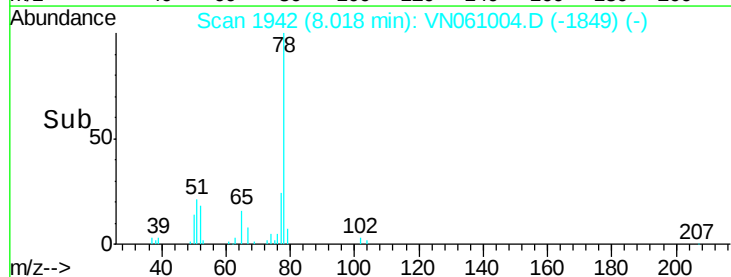
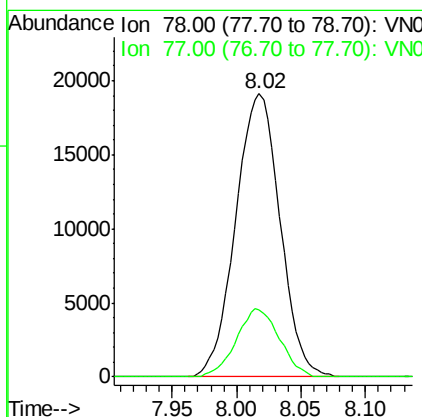
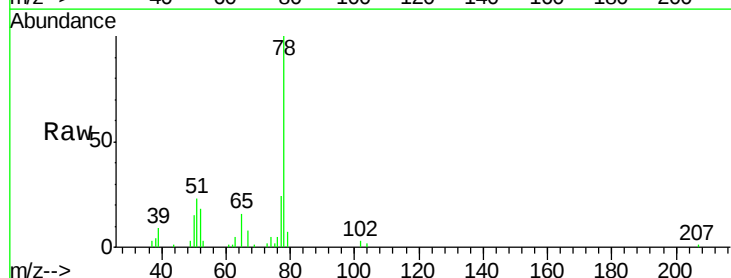
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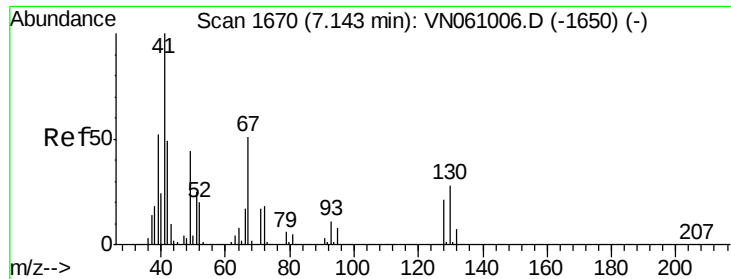
MMDadoda
4/17/2020 11:52:57 AM



#40
Benzene
Concen: 5.696 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. 0.00 min
Lab File: VN061004.D
Acq: 16 Apr 2020 11:33

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.8	28.2





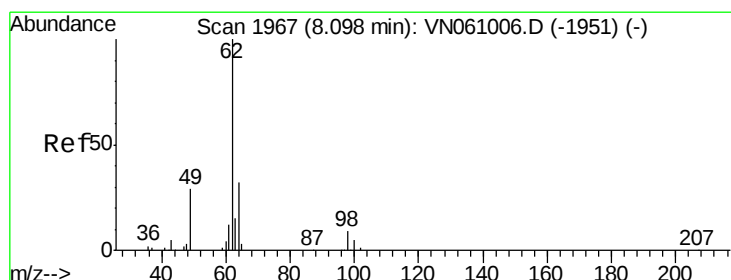
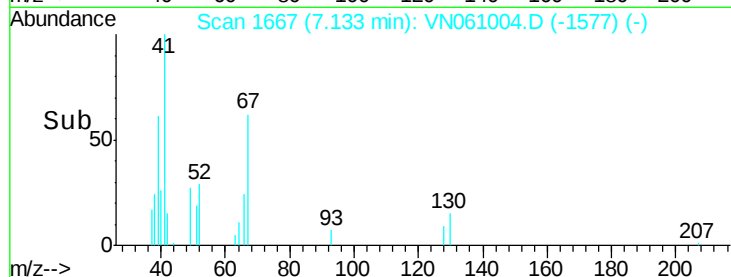
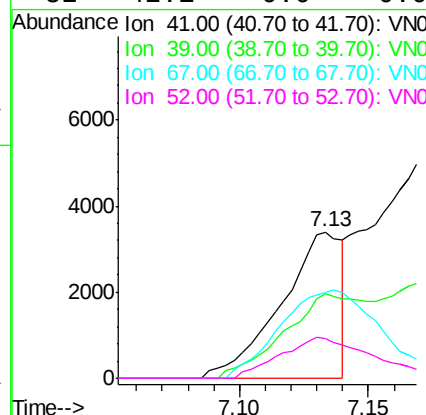
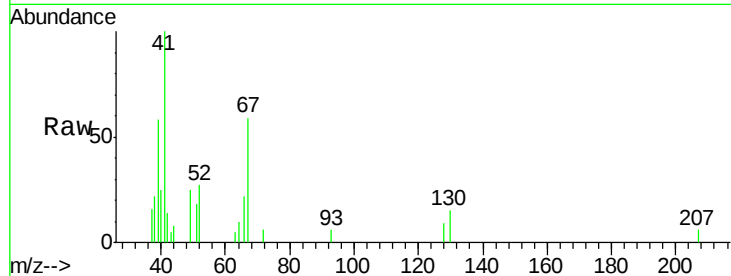
#41
Methacrylonitrile
Concen: 4.503 ug/l
RT: 7.13 min Scan# 1667
Delta R.T. -0.01 min
Lab File: VN061004.D
Acq: 16 Apr 2020 11:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	41	Resp:	5574
Ion	Ratio	Lower	Upper
41	100		
39	74.3	0.0	0.0#
67	101.2	0.0	0.0#
52	42.1	0.0	0.0#

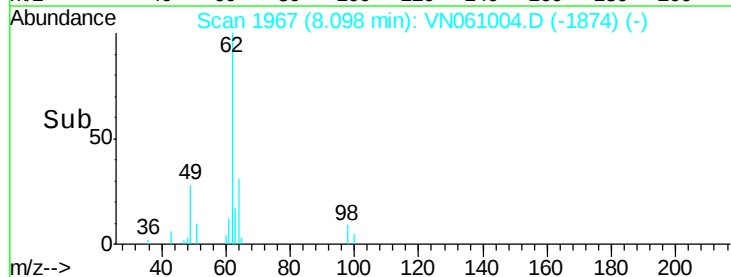
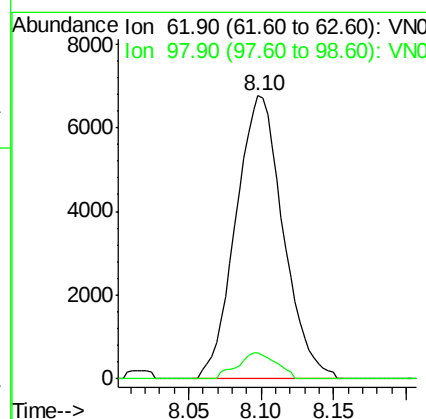
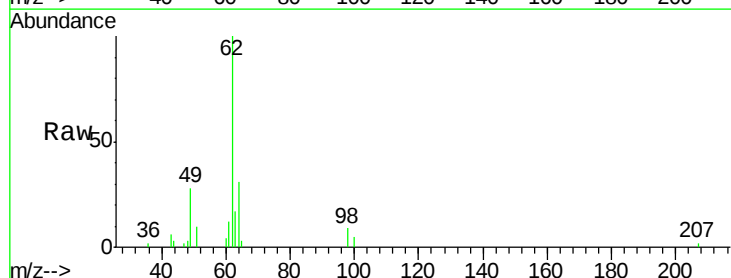
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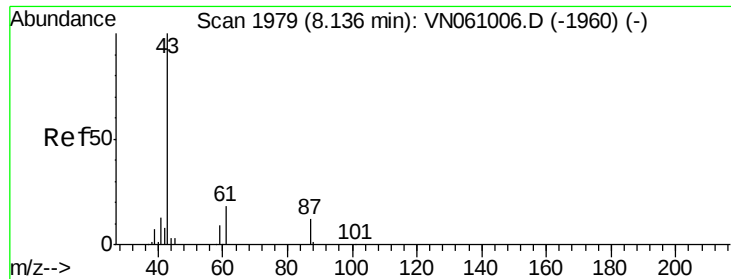
MMDadoda
4/17/2020 11:52:57 AM



#42
1,2-Dichloroethane
Concen: 5.582 ug/l
RT: 8.10 min Scan# 1967
Delta R.T. 0.00 min
Lab File: VN061004.D
Acq: 16 Apr 2020 11:33

Tgt Ion	62	Resp:	15365
Ion	Ratio	Lower	Upper
62	100		
98	7.5	0.0	17.2





#43

Isopropyl Acetate

Concen: 5.574 ug/l

RT: 8.14 min Scan# 1979

Delta R.T. 0.00 min

Lab File: VN061004.D

Acq: 16 Apr 2020 11:33

Instrument :

MSVOA_N

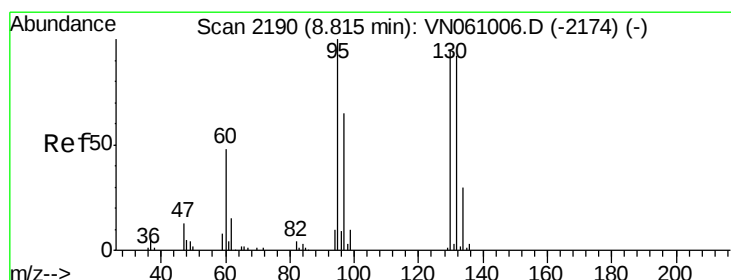
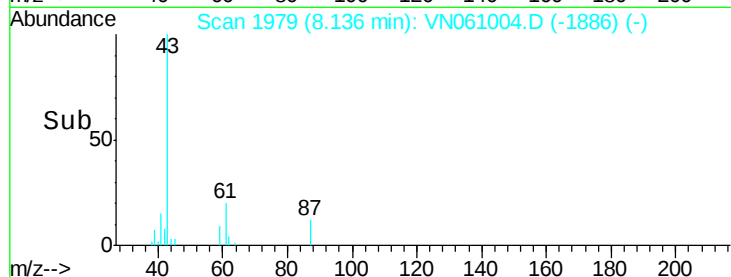
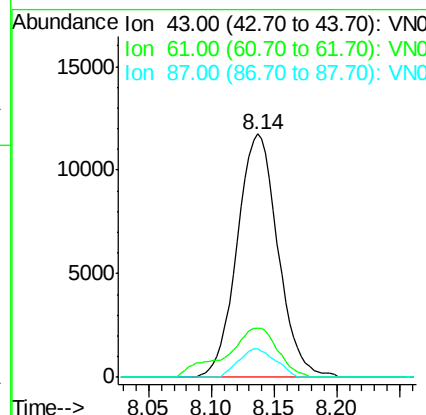
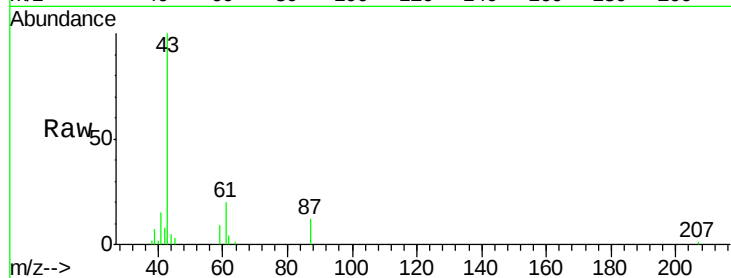
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	26562
Ion	Ratio	Lower	Upper
43	100		
61	25.9	20.3	30.5
87	10.6	9.4	14.2

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4/17/2020 11:52:57 AM



#44

Trichloroethene

Concen: 5.788 ug/l

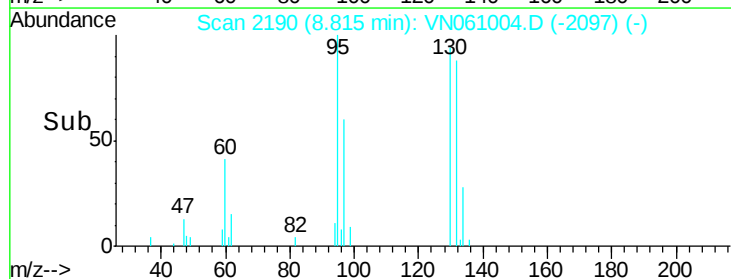
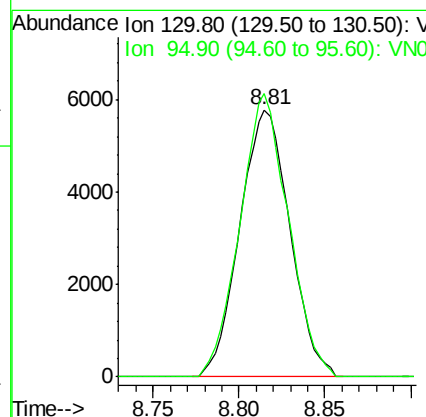
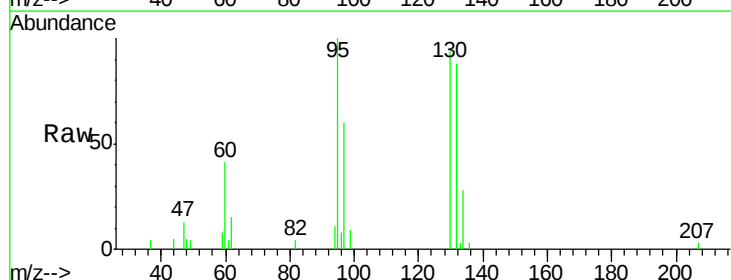
RT: 8.81 min Scan# 2190

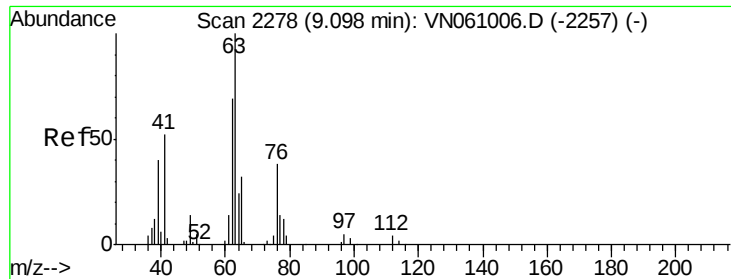
Delta R.T. 0.00 min

Lab File: VN061004.D

Acq: 16 Apr 2020 11:33

Tgt Ion:	130	Resp:	11682
Ion	Ratio	Lower	Upper
130	100		
95	105.9	0.0	210.0





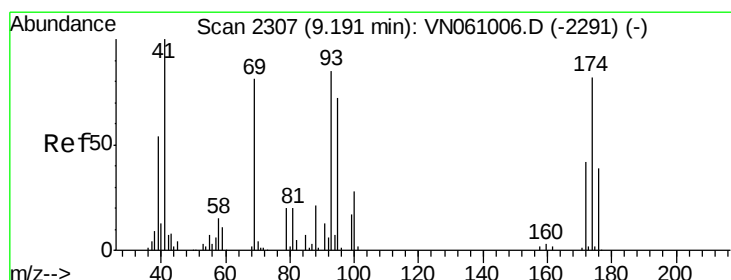
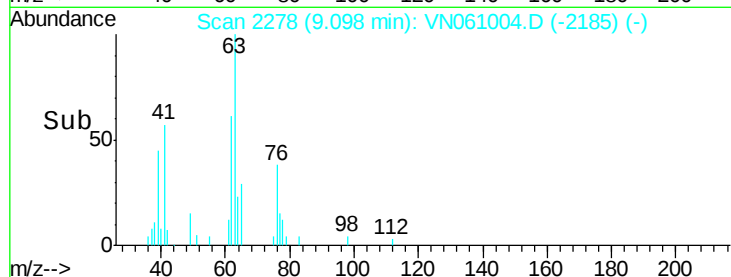
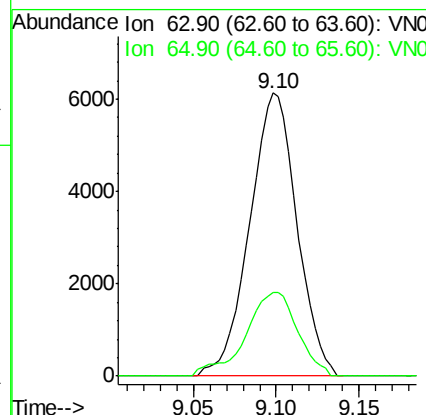
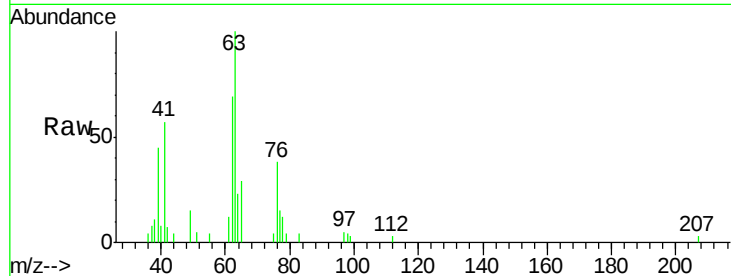
#45
 1,2-Dichloropropane
 Concen: 5.731 ug/l
 RT: 9.10 min Scan# 2278
 Delta R.T. 0.00 min
 Lab File: VN061004.D
 Acq: 16 Apr 2020 11:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.4	25.2	37.8

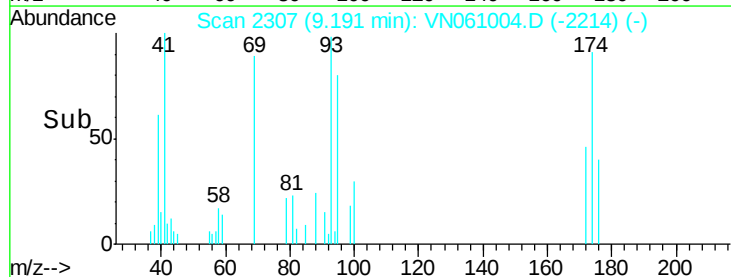
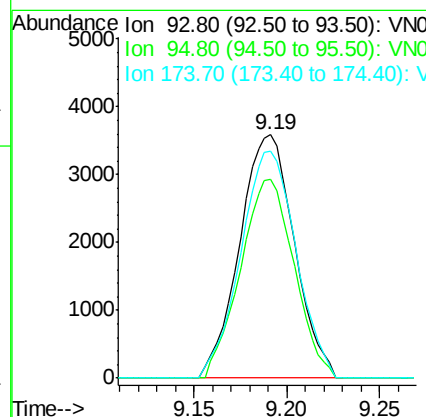
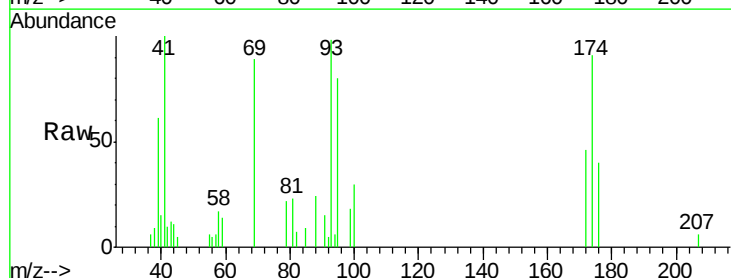
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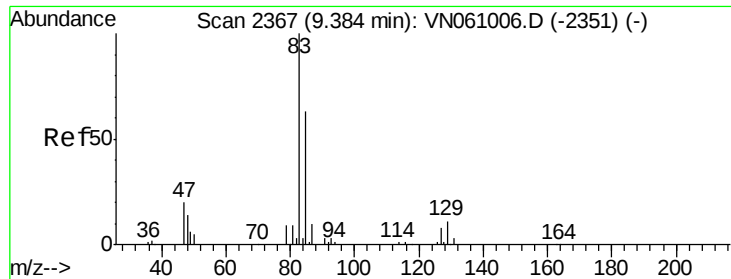
MMDadoda
 4/17/2020 11:52:57 AM



#46
 Dibromomethane
 Concen: 5.734 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN061004.D
 Acq: 16 Apr 2020 11:33

Tgt Ion	Ratio	Lower	Upper
93	100		
95	80.1	66.8	100.2
174	94.2	76.2	114.4





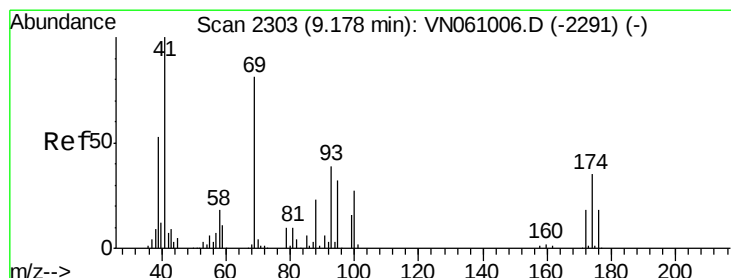
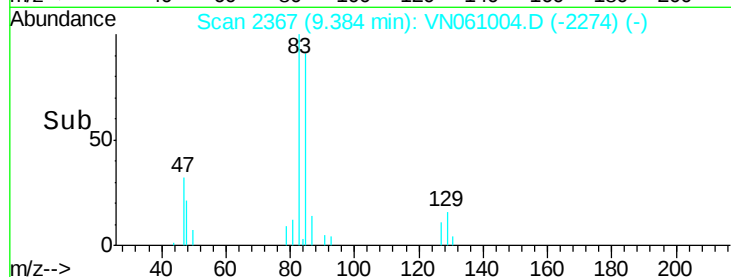
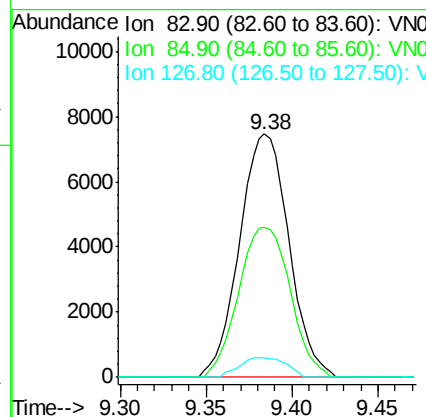
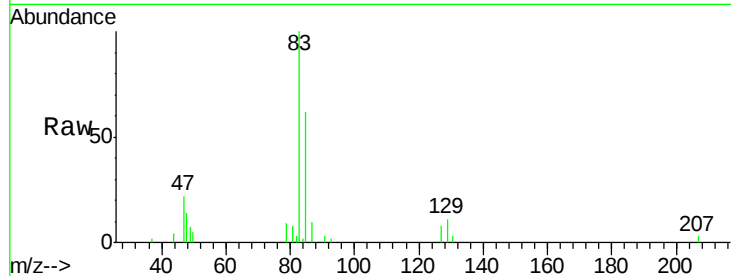
#47
 Bromodichloromethane
 Concen: 5.569 ug/l
 RT: 9.38 min Scan# 2367
 Delta R.T. 0.00 min
 Lab File: VN061004.D
 Acq: 16 Apr 2020 11:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	83	Resp	14862
Ion Ratio	100	Lower	Upper
83	100		
85	61.8	50.6	76.0
127	7.8	6.1	9.1

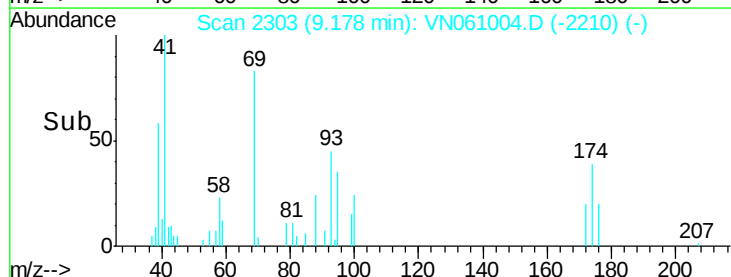
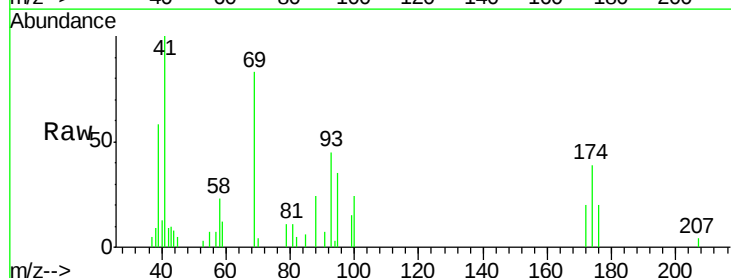
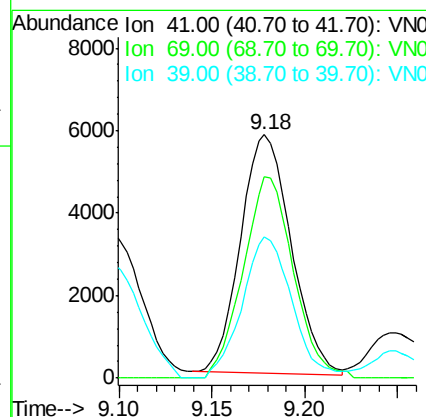
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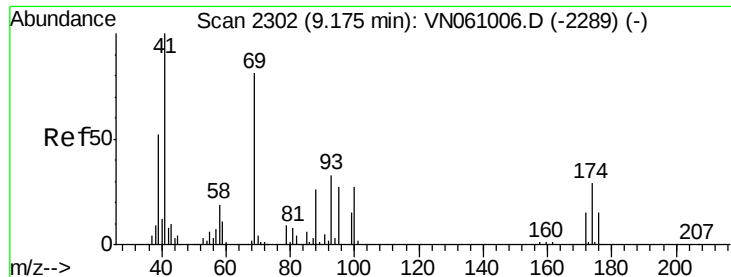
MMDadoda
 4/17/2020 11:52:57 AM



#48
 Methyl methacrylate
 Concen: 5.194 ug/l
 RT: 9.18 min Scan# 2303
 Delta R.T. 0.00 min
 Lab File: VN061004.D
 Acq: 16 Apr 2020 11:33

Tgt Ion	41	Resp	11044
Ion Ratio	100	Lower	Upper
41	100		
69	83.4	65.3	97.9
39	57.7	45.2	67.8





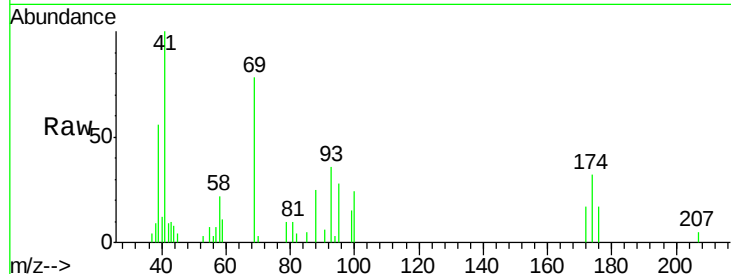
#49
1,4-Dioxane
Concen: 115.914 ug/l
RT: 9.18 min Scan# 2302
Delta R.T. 0.00 min
Lab File: VN061004.D
Acq: 16 Apr 2020 11:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.8	30.9	46.3
58	79.7	59.8	89.8

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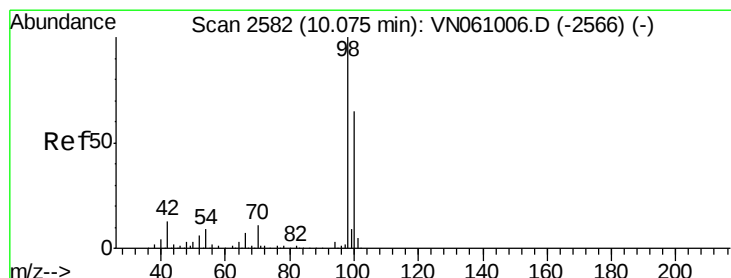
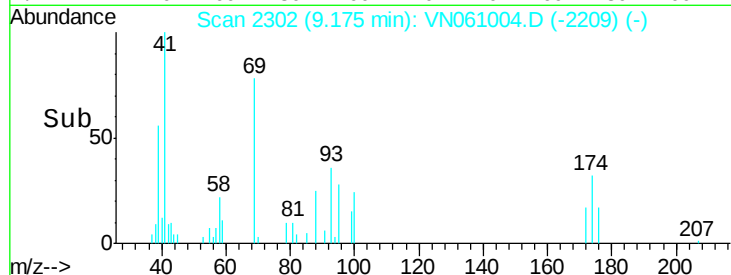
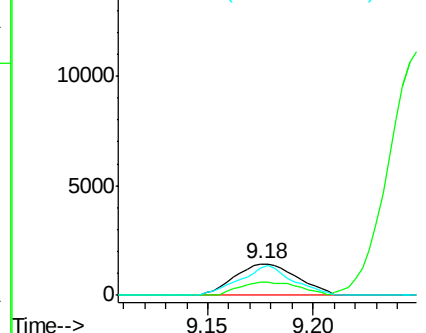


Abundance

Ion 88.00 (87.70 to 88.70): VN061004.D (-2289) (-)

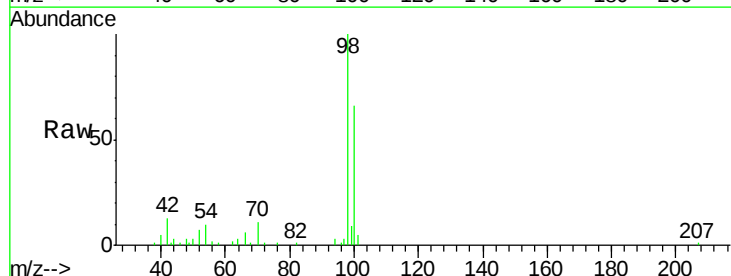
Ion 43.00 (42.70 to 43.70): VN061004.D (-2289) (-)

Ion 58.00 (57.70 to 58.70): VN061004.D (-2289) (-)



#50
Toluene-d8
Concen: 5.461 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. 0.00 min
Lab File: VN061004.D
Acq: 16 Apr 2020 11:33

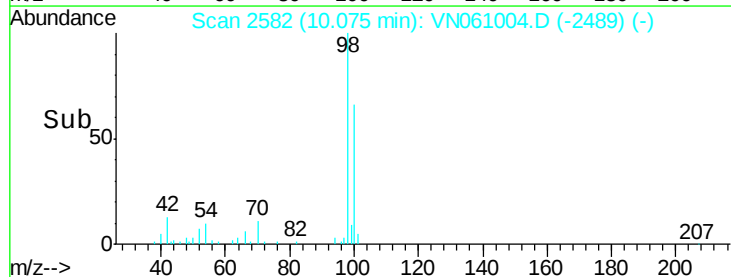
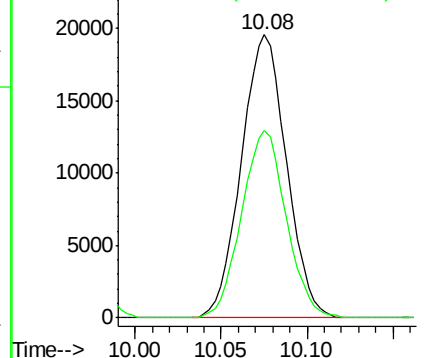
Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.5	51.9	77.9

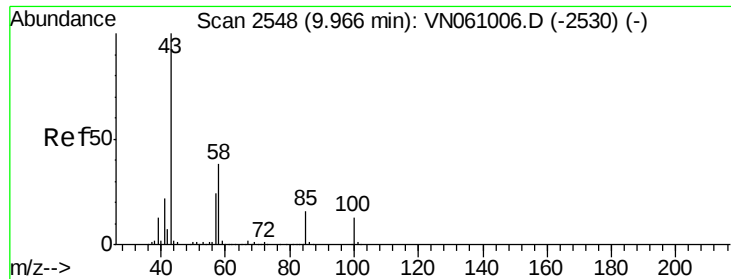


Abundance

Ion 98.00 (97.70 to 98.70): VN061004.D (-2489) (-)

Ion 100.00 (99.70 to 100.70): VN061004.D (-2489) (-)





#51

4-Methyl-2-Pentanone

Concen: 27.902 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. 0.00 min

Lab File: VN061004.D

Acq: 16 Apr 2020 11:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 75793

Ion Ratio Lower Upper

43 100

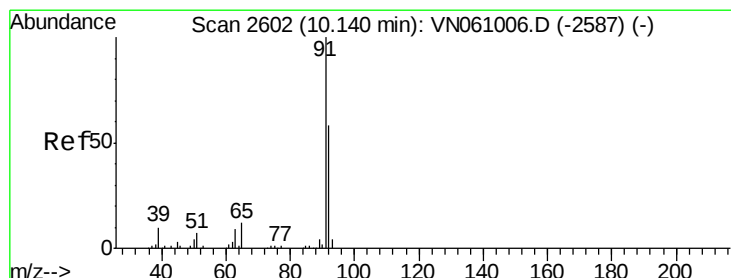
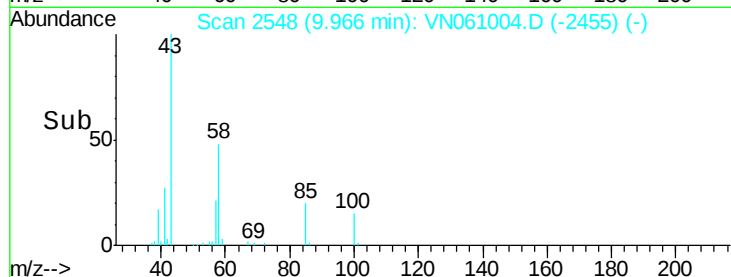
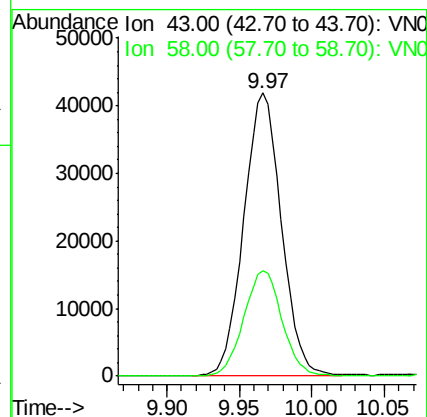
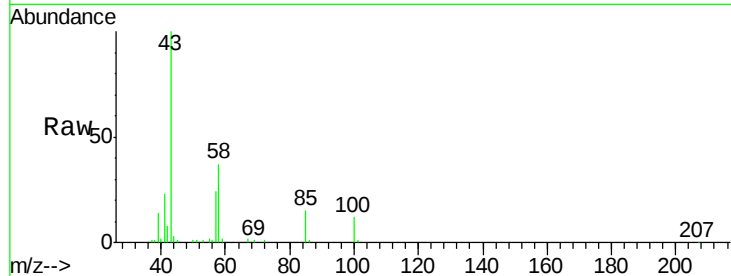
58 37.7 30.3 45.5

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#52

Toluene

Concen: 5.522 ug/l

RT: 10.14 min Scan# 2602

Delta R.T. 0.00 min

Lab File: VN061004.D

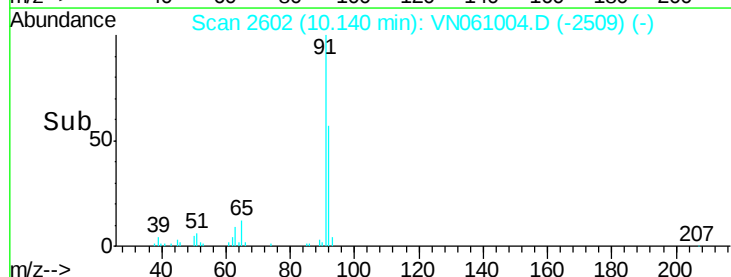
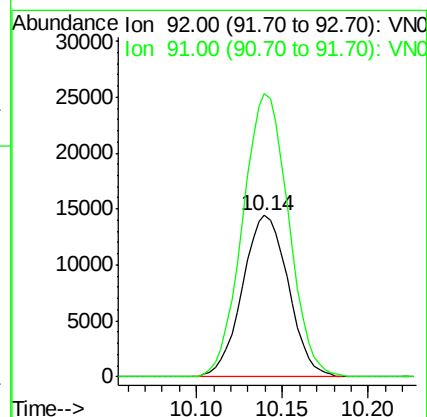
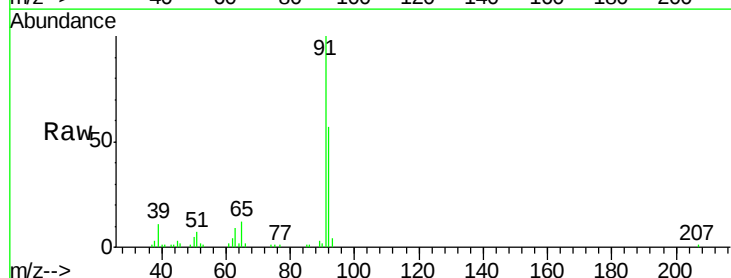
Acq: 16 Apr 2020 11:33

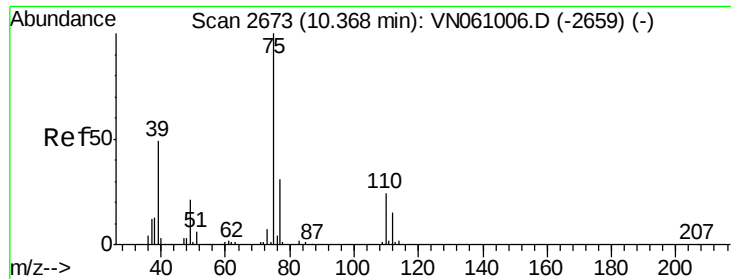
Tgt Ion: 92 Resp: 26804

Ion Ratio Lower Upper

92 100

91 175.2 137.7 206.5





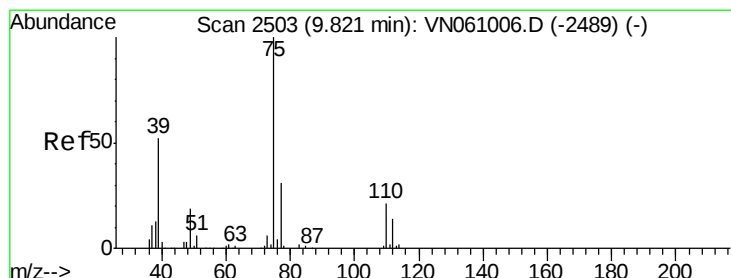
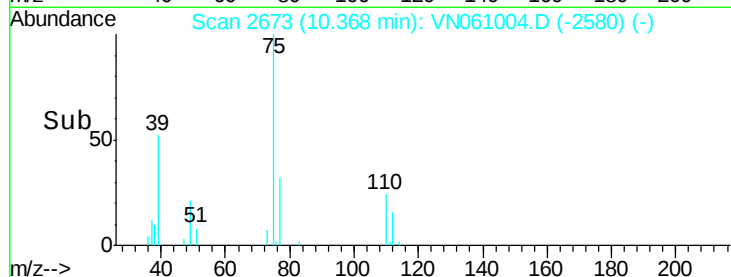
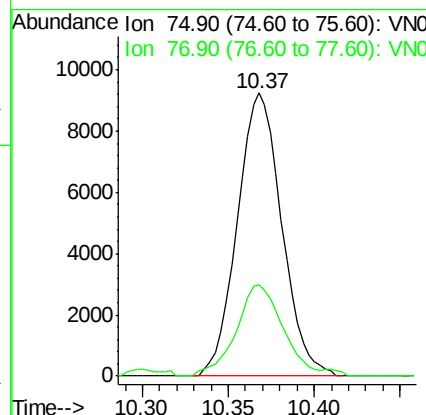
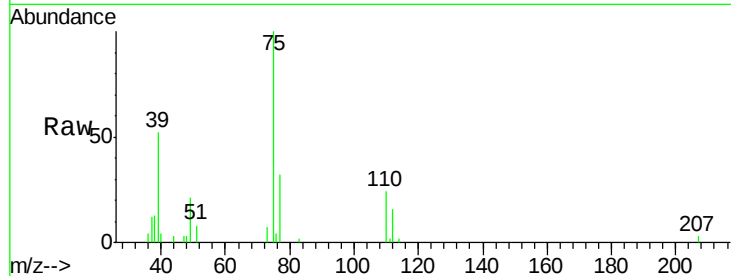
#53
t-1,3-Dichloropropene
Concen: 5.405 ug/l
RT: 10.37 min Scan# 2673
Delta R.T. 0.00 min
Lab File: VN061004.D
Acq: 16 Apr 2020 11:33

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.0	37.6

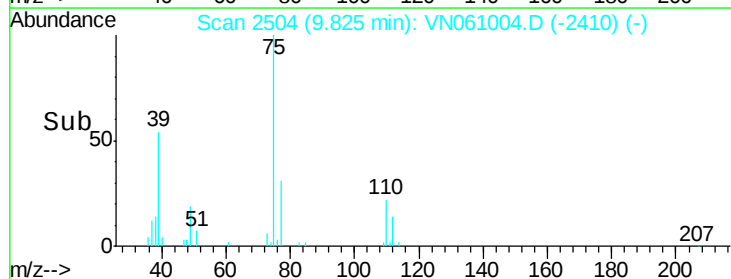
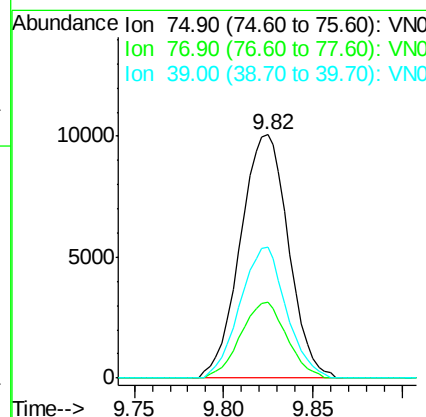
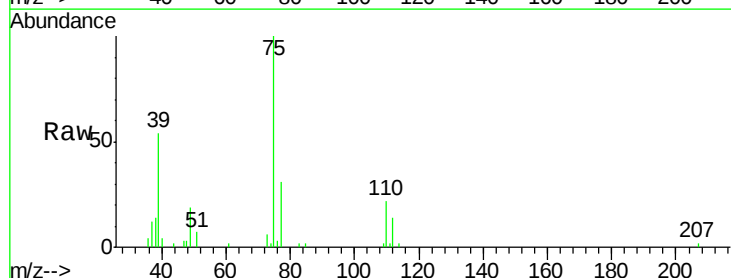
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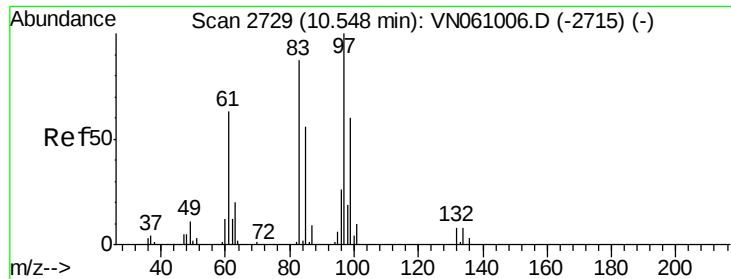
MMDadoda
4/17/2020 11:52:57 AM



#54
cis-1,3-Dichloropropene
Concen: 5.616 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN061004.D
Acq: 16 Apr 2020 11:33

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.0	37.6
39	53.8	41.4	62.2





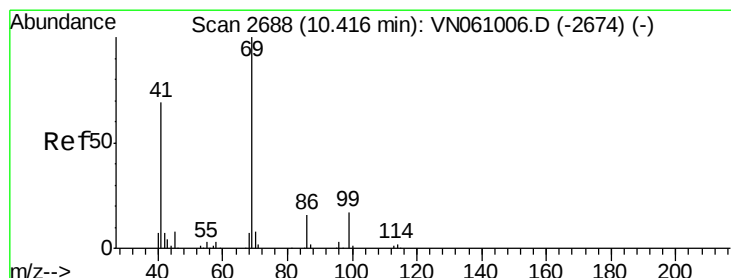
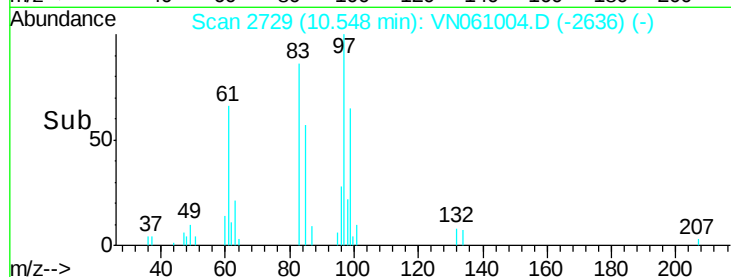
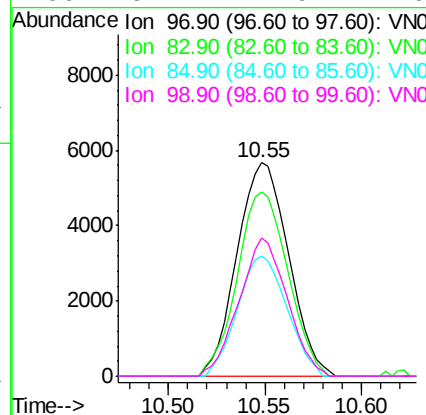
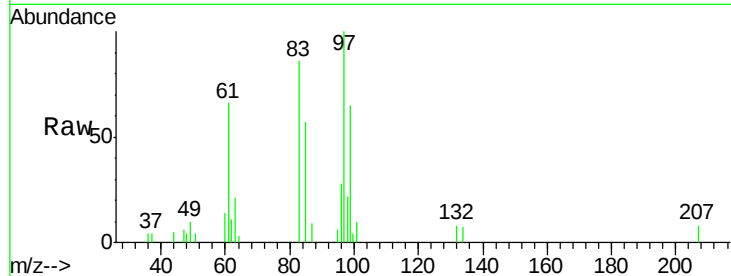
#55
 1,1,2-Trichloroethane
 Concen: 5.618 ug/l
 RT: 10.55 min Scan# 2729
 Delta R.T. 0.00 min
 Lab File: VN061004.D
 Acq: 16 Apr 2020 11:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion:	97	Resp:	10490
Ion	Ratio	Lower	Upper
97	100		
83	86.1	69.5	104.3
85	56.6	45.0	67.4
99	64.7	47.9	71.9

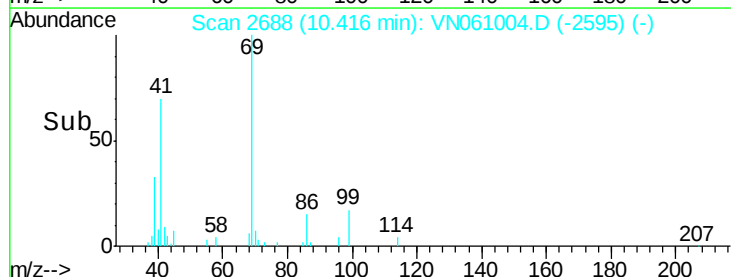
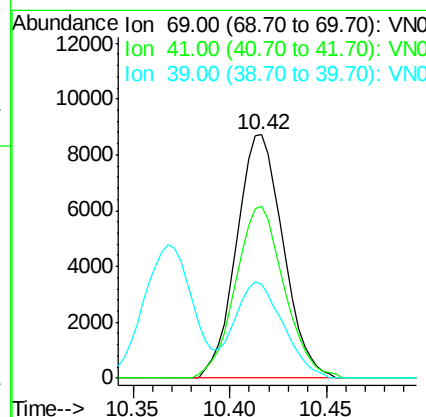
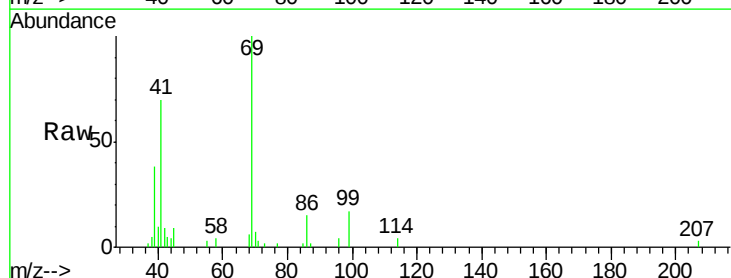
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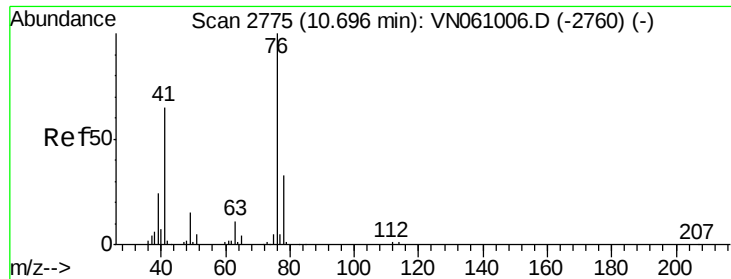
MMDadoda
 4/17/2020 11:52:57 AM



#56
 Ethyl methacrylate
 Concen: 5.026 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN061004.D
 Acq: 16 Apr 2020 11:33

Tgt Ion:	69	Resp:	14649
Ion	Ratio	Lower	Upper
69	100		
41	73.4	56.7	85.1
39	40.8	29.4	44.0





#57

1,3-Dichloropropane

Concen: 5.593 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN061004.D

Acq: 16 Apr 2020 11:33

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion: 76 Resp: 18157

Ion Ratio Lower Upper

76 100

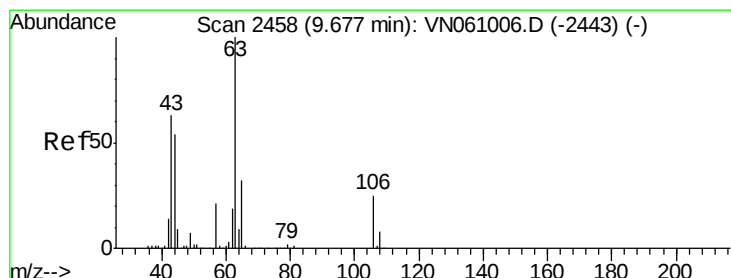
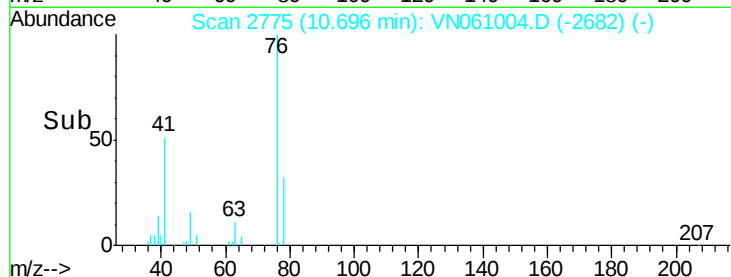
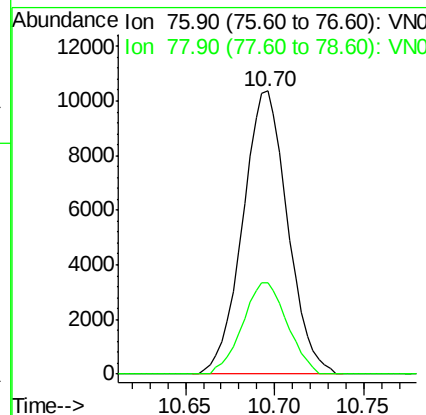
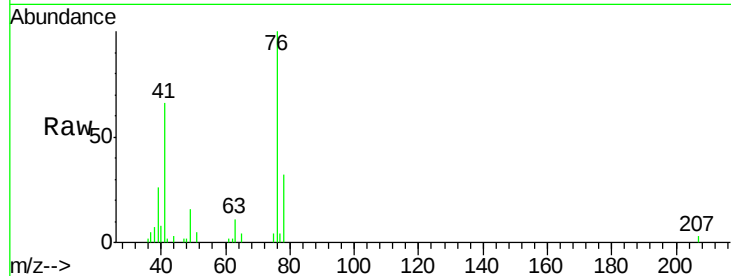
78 32.1 25.4 38.0

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 25.397 ug/l

RT: 9.68 min Scan# 2458

Delta R.T. 0.00 min

Lab File: VN061004.D

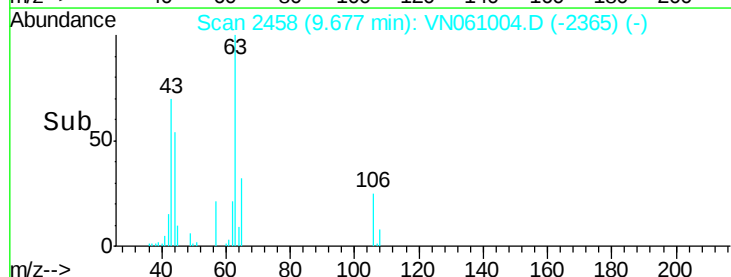
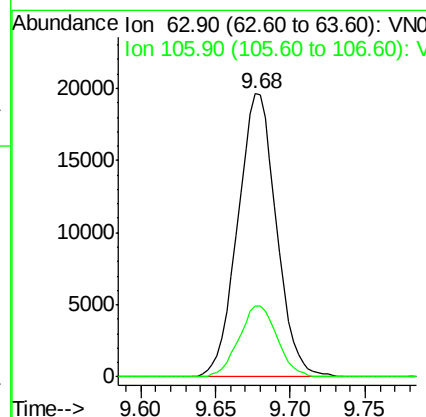
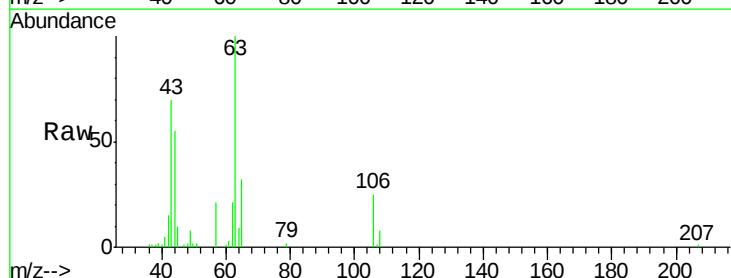
Acq: 16 Apr 2020 11:33

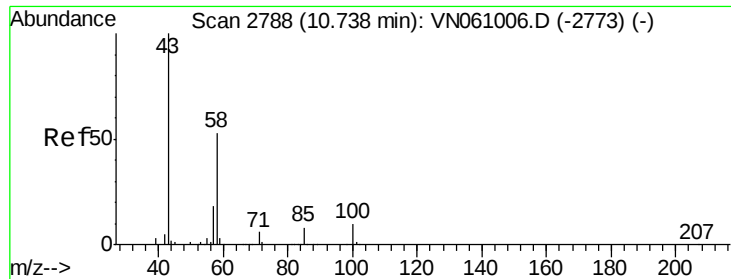
Tgt Ion: 63 Resp: 35313

Ion Ratio Lower Upper

63 100

106 24.9 19.5 29.3





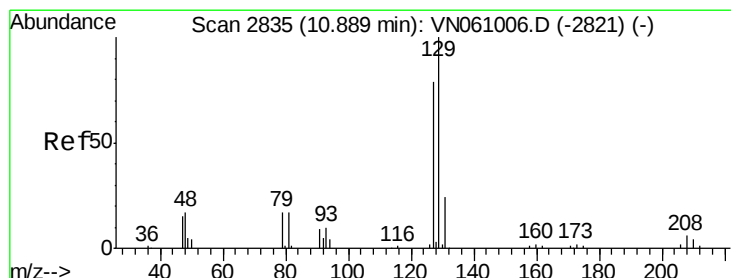
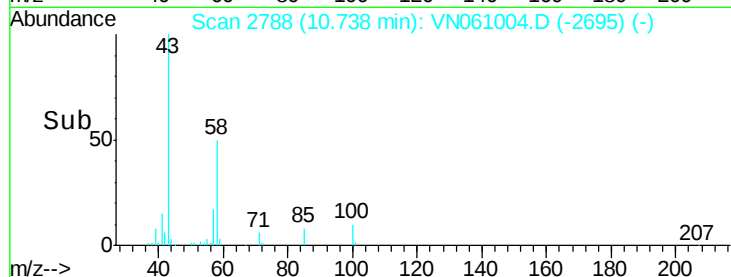
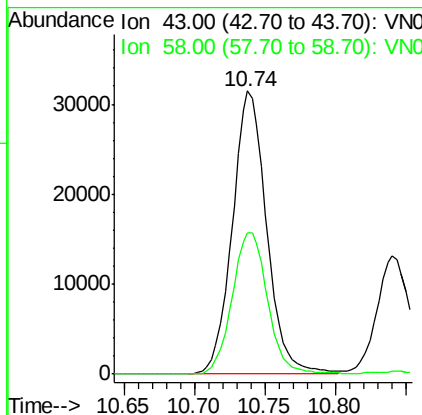
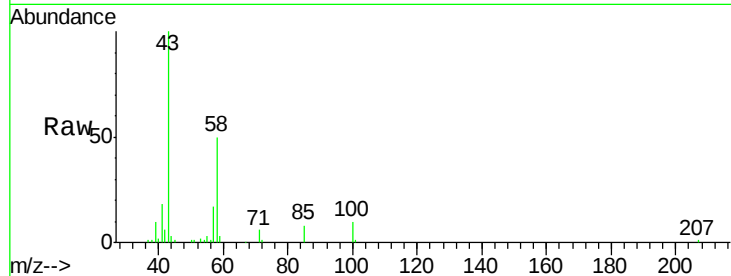
#59
2-Hexanone
Concen: 27.421 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. 0.00 min
Lab File: VN061004.D
Acq: 16 Apr 2020 11:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 53637
Ion Ratio Lower Upper
43 100
58 51.4 26.4 79.0

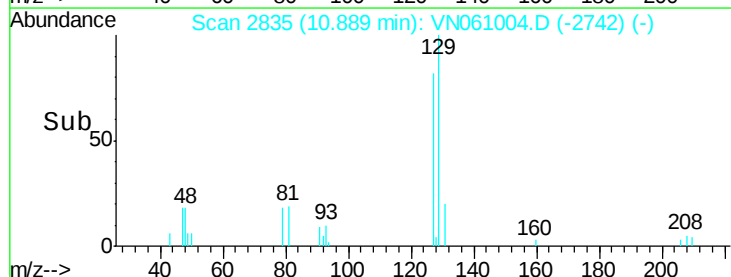
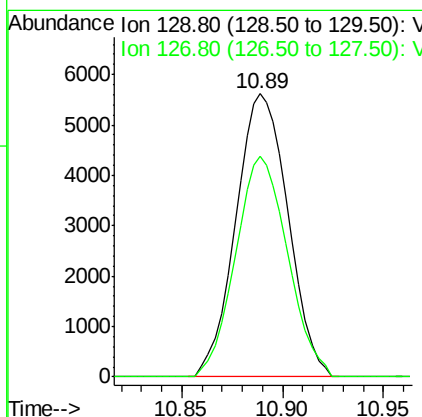
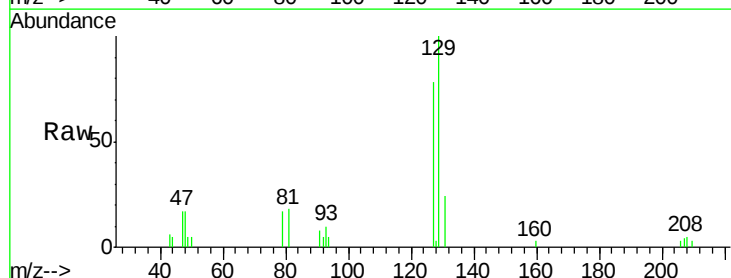
Manual Integrations
APPROVED

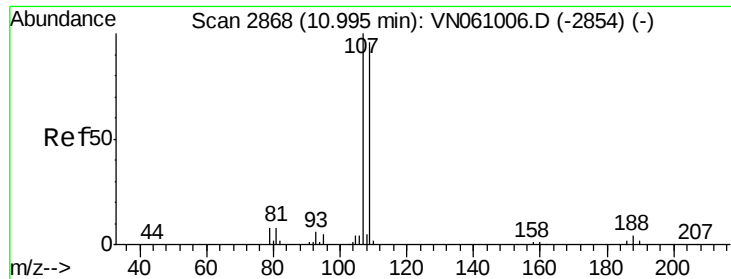
MMDadoda
4/17/2020 11:52:57 AM



#60
Dibromochloromethane
Concen: 5.287 ug/l
RT: 10.89 min Scan# 2835
Delta R.T. 0.00 min
Lab File: VN061004.D
Acq: 16 Apr 2020 11:33

Tgt Ion: 129 Resp: 10162
Ion Ratio Lower Upper
129 100
127 77.7 39.0 116.9





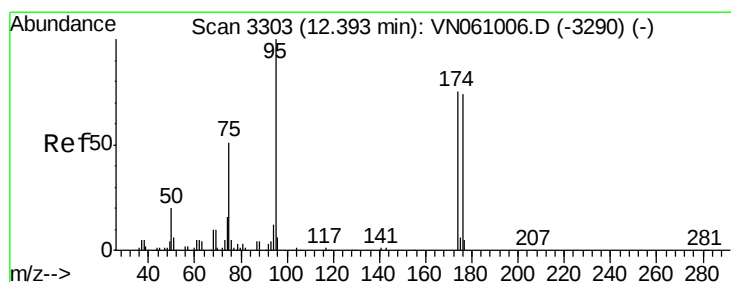
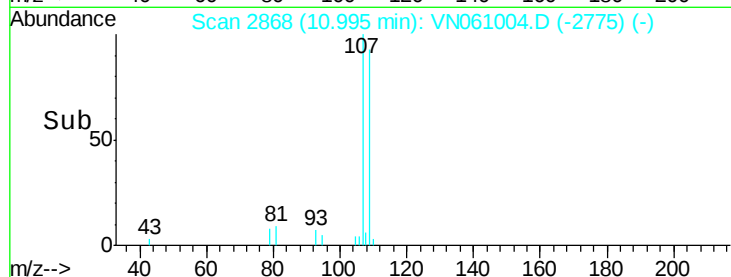
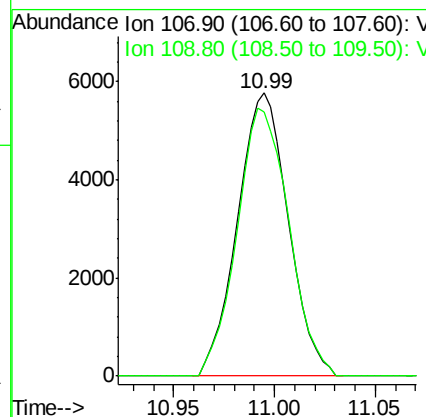
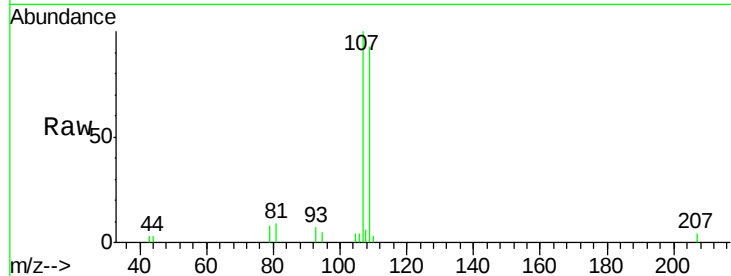
#61
 1,2-Dibromoethane
 Concen: 5.430 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. 0.00 min
 Lab File: VN061004.D
 Acq: 16 Apr 2020 11:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.6	75.9	113.9

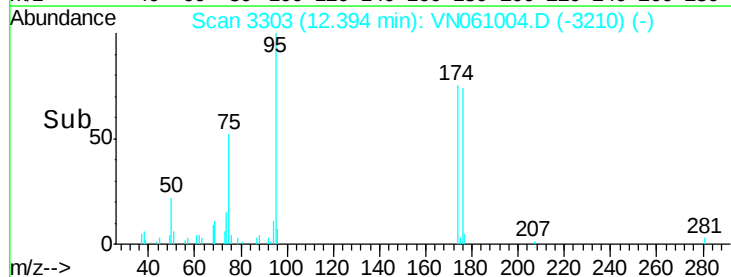
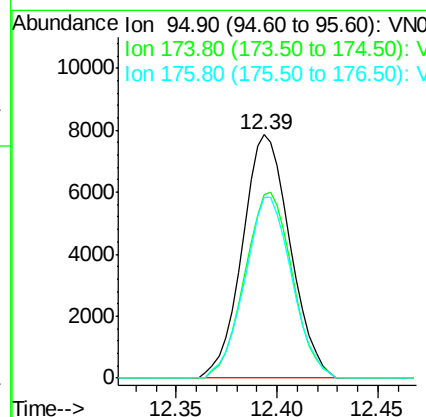
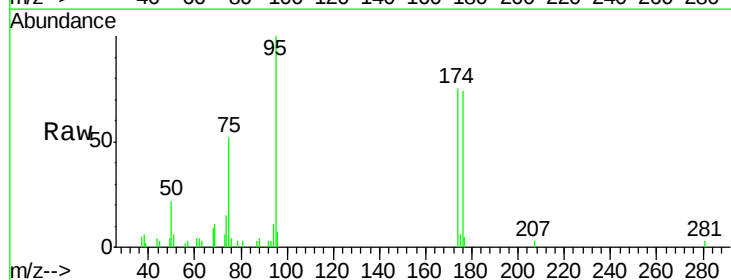
Manual Integrations
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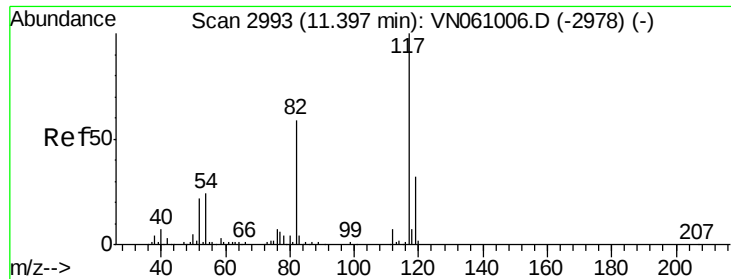
MMDadoda
 4/17/2020 11:52:57 AM



#62
 4-Bromofluorobenzene
 Concen: 5.375 ug/l
 RT: 12.39 min Scan# 3303
 Delta R.T. 0.00 min
 Lab File: VN061004.D
 Acq: 16 Apr 2020 11:33

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.6	0.0	151.2
176	73.5	0.0	148.2





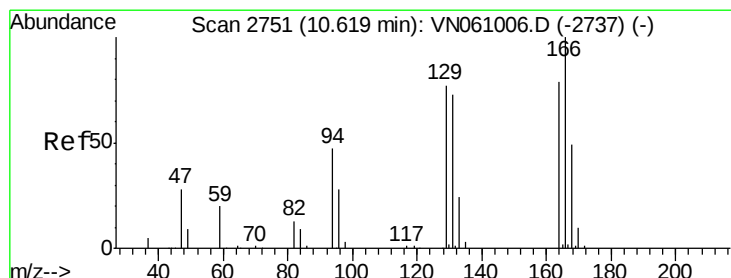
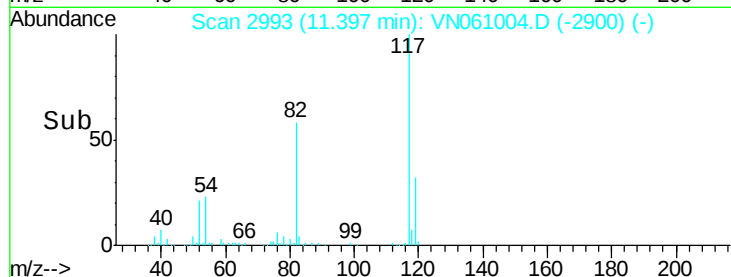
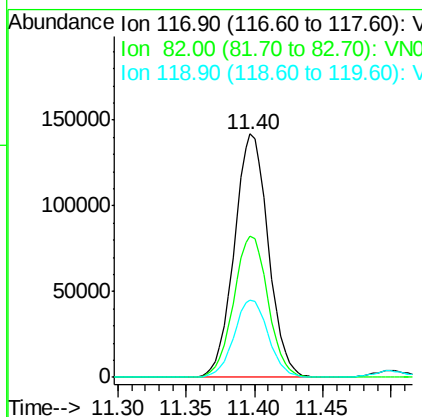
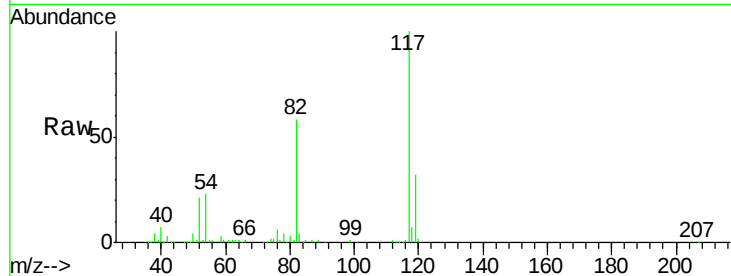
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2993
Delta R.T. 0.00 min
Lab File: VN061004.D
Acq: 16 Apr 2020 11:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
117	100	245066		
82	58.1		47.1	70.7
119	32.0		25.7	38.5

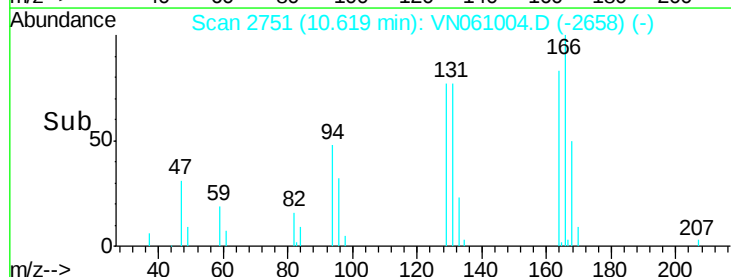
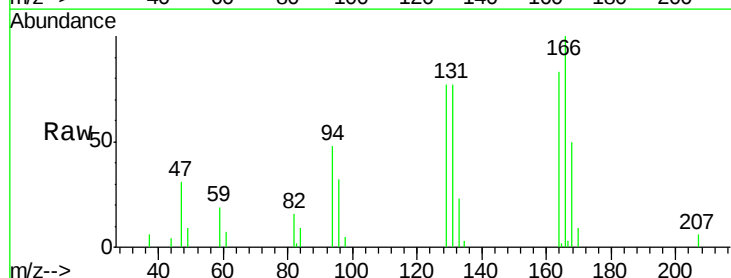
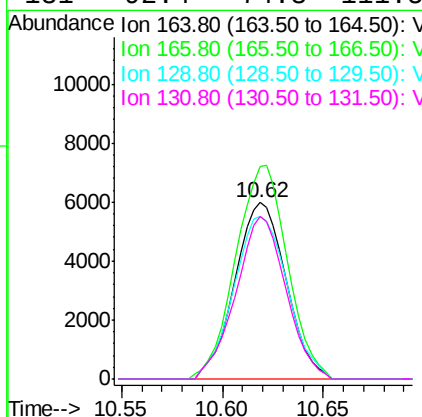
Manual Integrations
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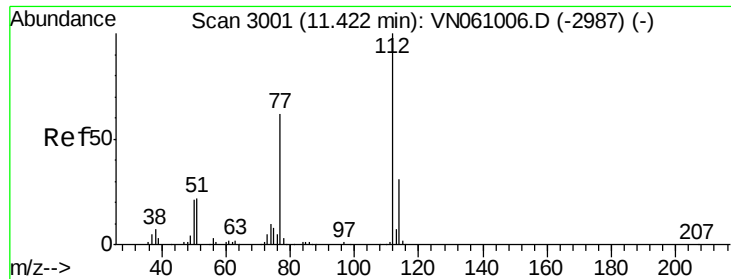
MMDadoda
4/17/2020 11:52:57 AM



#64
Tetrachloroethene
Concen: 5.553 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. 0.00 min
Lab File: VN061004.D
Acq: 16 Apr 2020 11:33

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	10654		
166	120.5		101.6	152.4
129	92.6		78.5	117.7
131	92.4		74.3	111.5





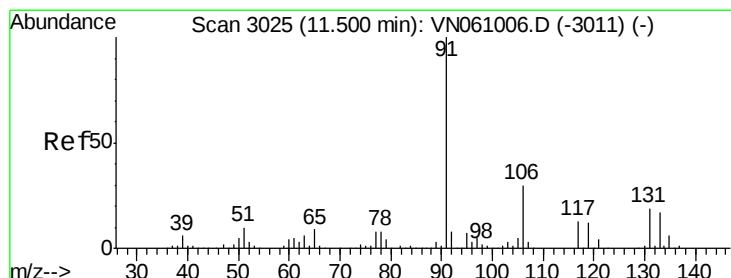
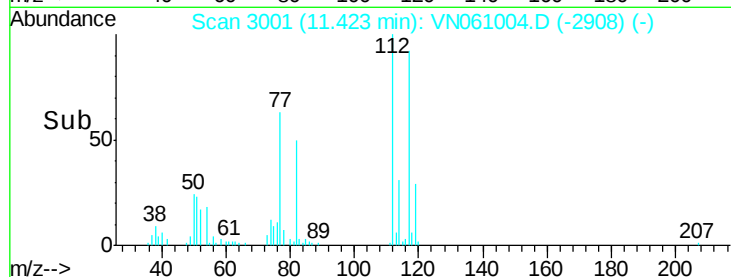
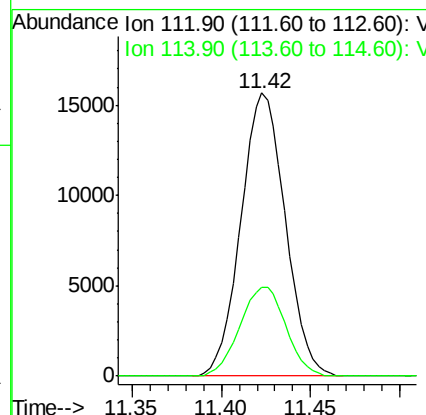
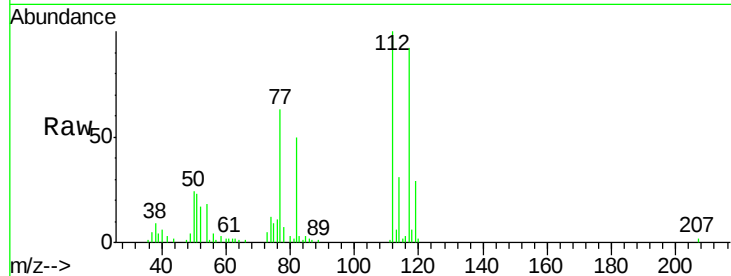
#65
Chlorobenzene
Concen: 5.573 ug/l
RT: 11.42 min Scan# 3001
Delta R.T. 0.00 min
Lab File: VN061004.D
Acq: 16 Apr 2020 11:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:112 Resp: 27232
Ion Ratio Lower Upper
112 100
114 31.2 25.1 37.7

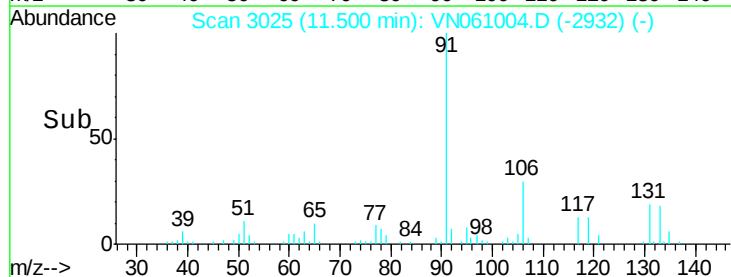
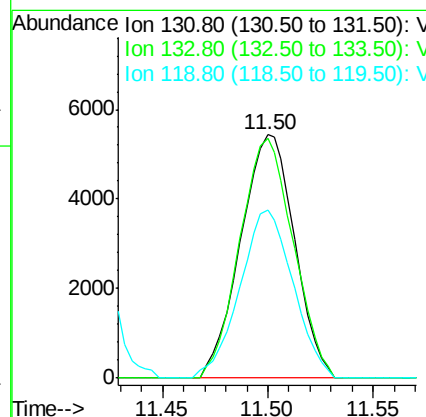
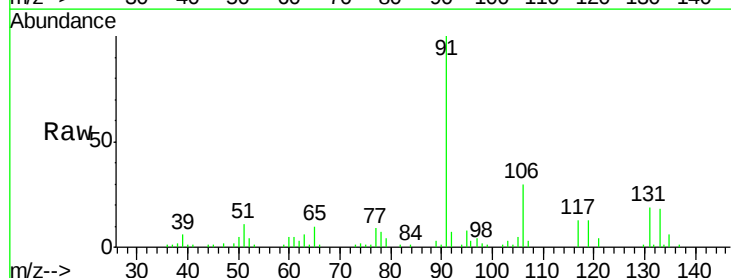
Manual Integrations
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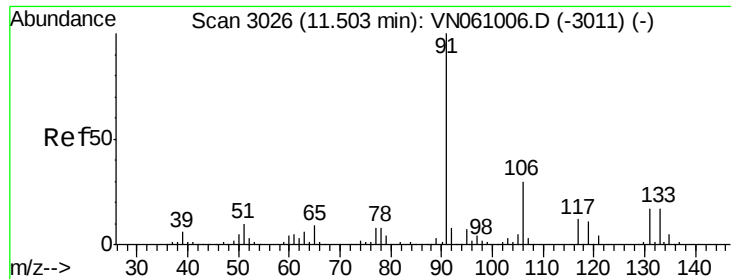
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#66
1,1,1,2-Tetrachloroethane
Concen: 5.466 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. 0.00 min
Lab File: VN061004.D
Acq: 16 Apr 2020 11:33

Tgt Ion:131 Resp: 9656
Ion Ratio Lower Upper
131 100
133 97.7 47.9 143.8
119 68.2 33.3 99.8





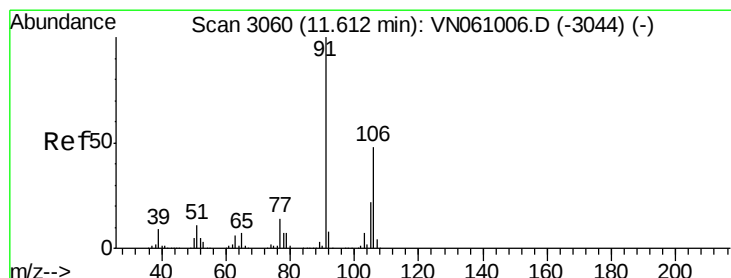
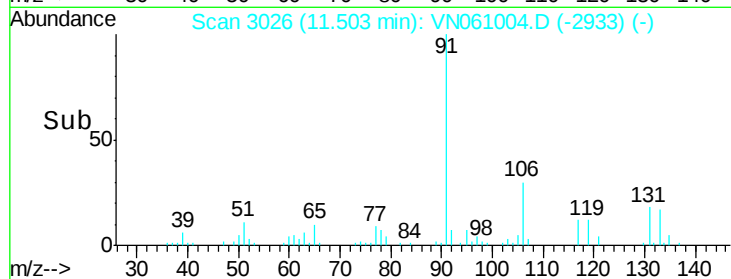
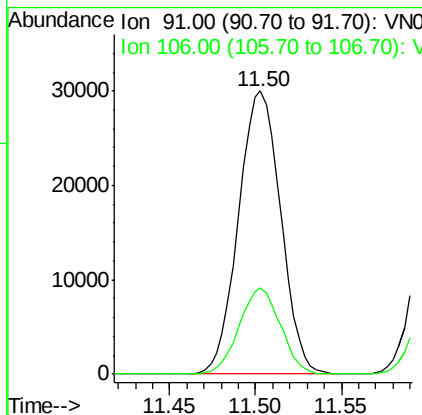
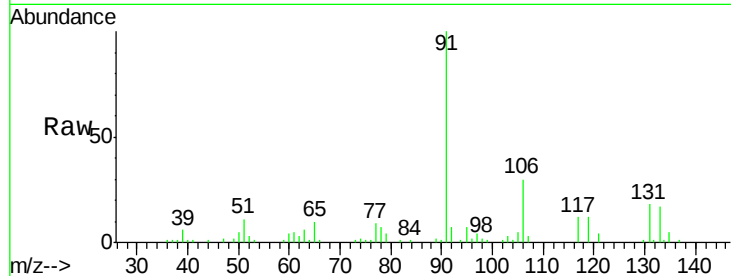
#67
Ethyl Benzene
Concen: 5.625 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN061004.D
Acq: 16 Apr 2020 11:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 51122
Ion Ratio Lower Upper
91 100
106 30.3 23.8 35.8

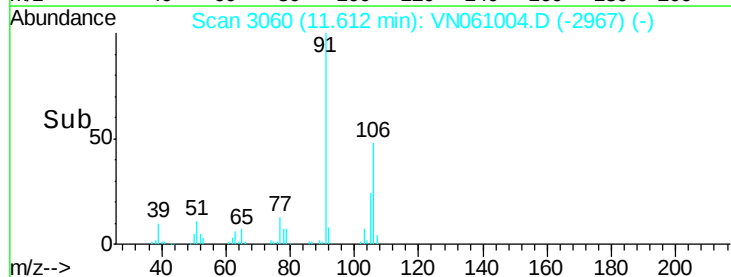
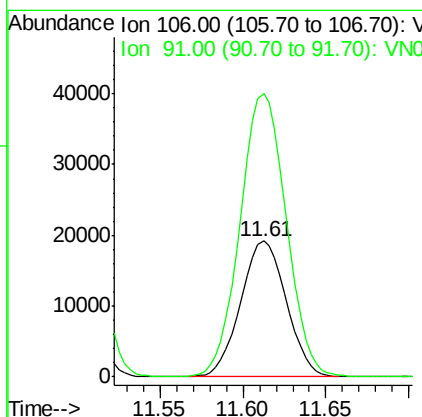
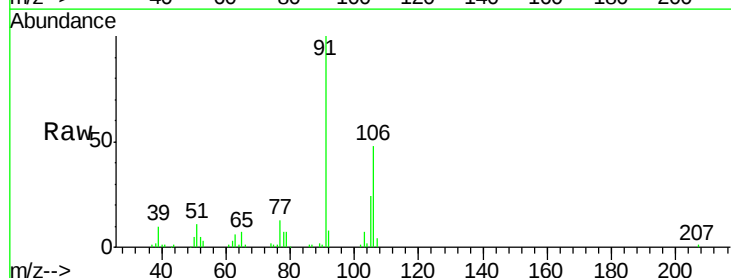
Manual Integrations
APPROVED

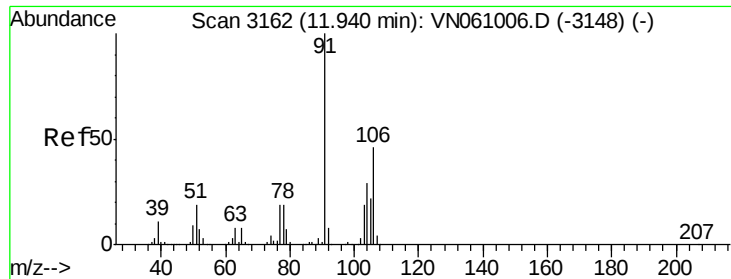
MMDadoda
4/17/2020 11:52:57 AM



#68
m/p-Xylenes
Concen: 10.944 ug/l
RT: 11.61 min Scan# 3060
Delta R.T. 0.00 min
Lab File: VN061004.D
Acq: 16 Apr 2020 11:33

Tgt Ion: 106 Resp: 36811
Ion Ratio Lower Upper
106 100
91 210.9 167.9 251.9





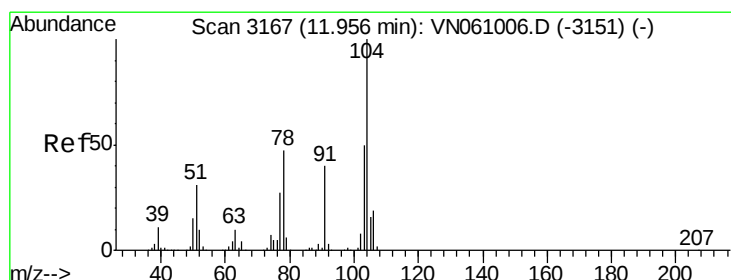
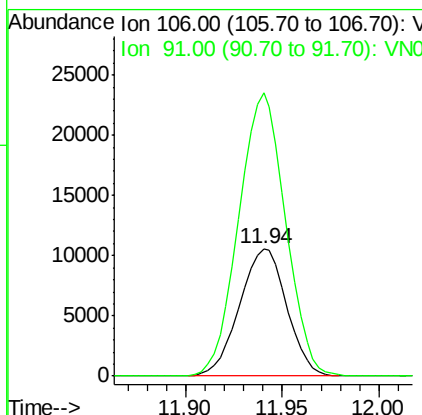
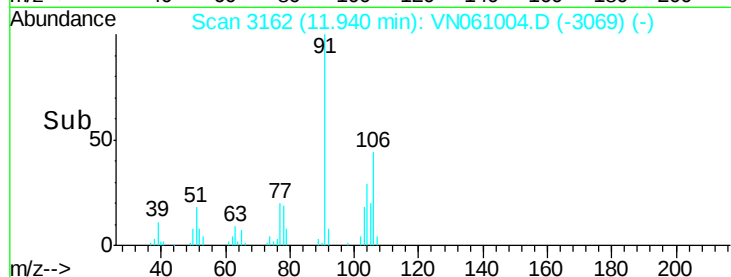
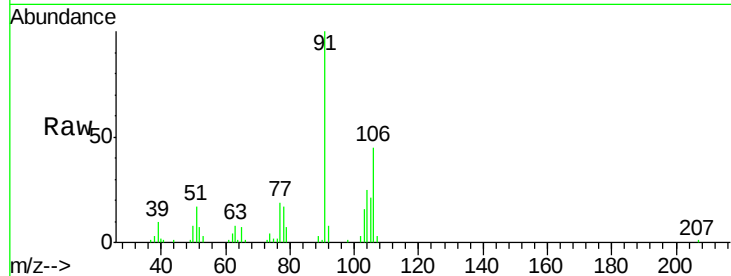
#69
o-Xylene
Concen: 5.578 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN061004.D
Acq: 16 Apr 2020 11:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:106 Resp: 17907
Ion Ratio Lower Upper
106 100
91 220.5 110.7 332.1

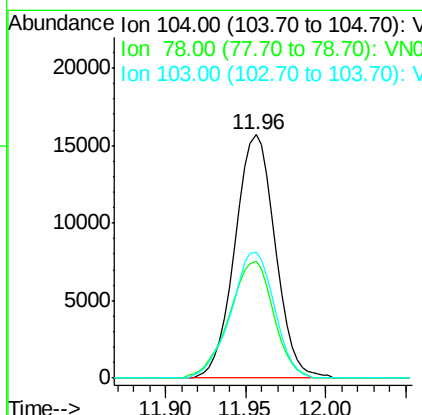
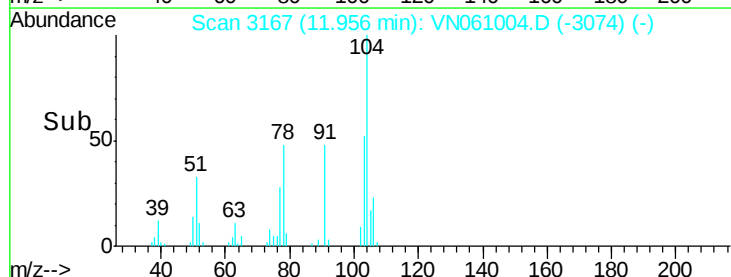
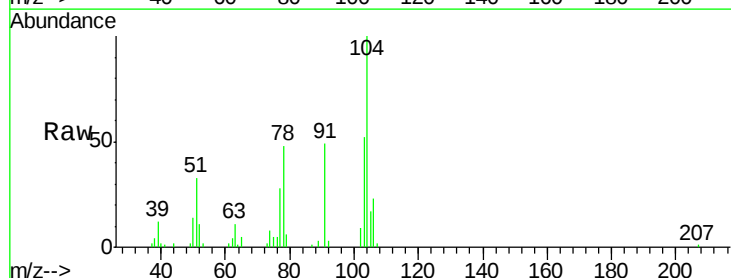
Manual Integrations
APPROVED

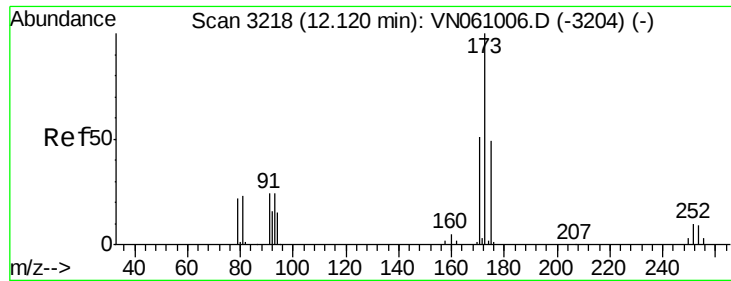
MMDadoda
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#70
Styrene
Concen: 5.117 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN061004.D
Acq: 16 Apr 2020 11:33

Tgt Ion:104 Resp: 26892
Ion Ratio Lower Upper
104 100
78 52.9 42.2 63.4
103 55.8 44.4 66.6





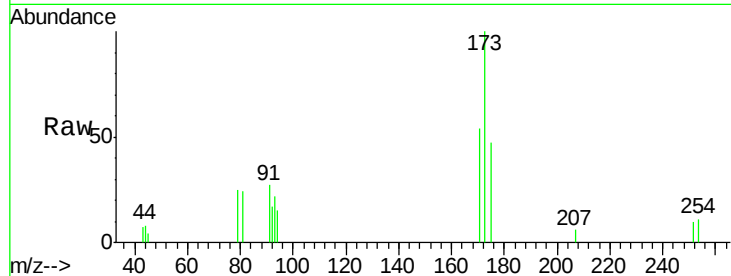
#71
Bromoform
Concen: 5.095 ug/l
RT: 12.12 min Scan# 3217
Delta R.T. -0.00 min
Lab File: VN061004.D
Acq: 16 Apr 2020 11:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.5	73.5
254	0.0	0.0	0.0

Manual Integrations
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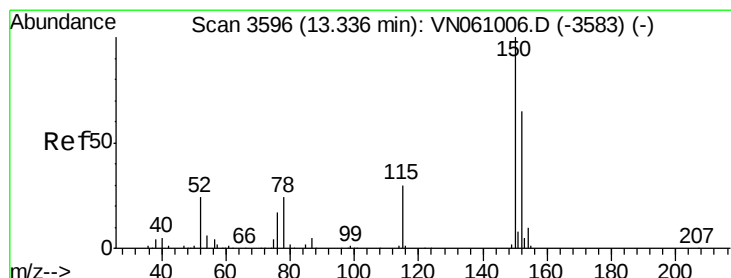
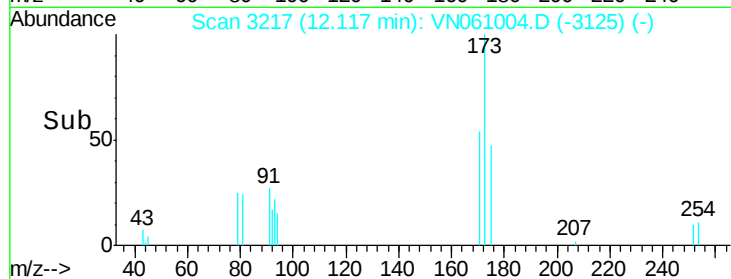
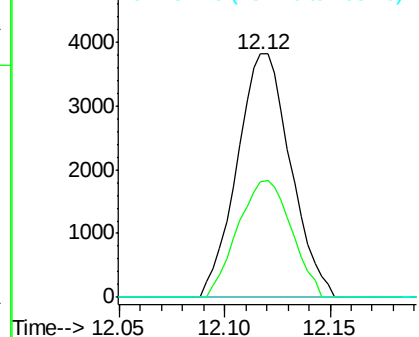


Abundance

Ion 172.70 (172.40 to 173.40): V

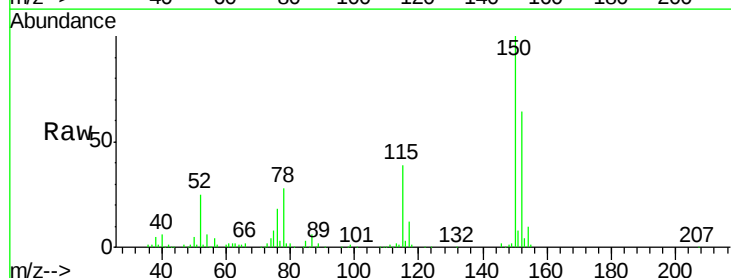
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3596
Delta R.T. 0.00 min
Lab File: VN061004.D
Acq: 16 Apr 2020 11:33

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.6	30.8	92.4
150	158.0	0.0	349.0

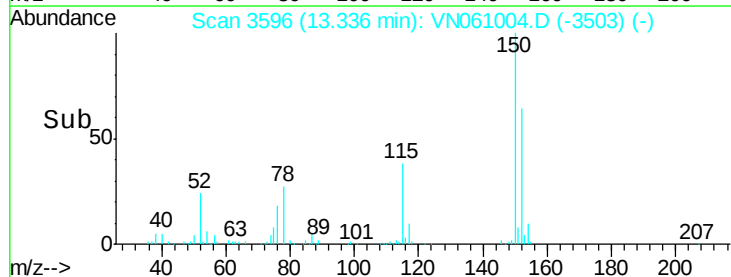
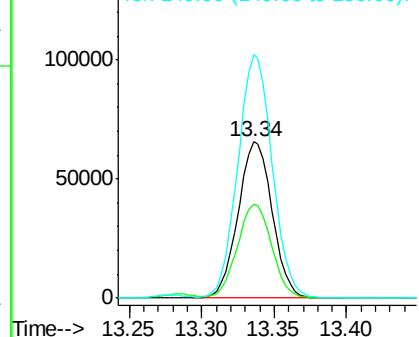


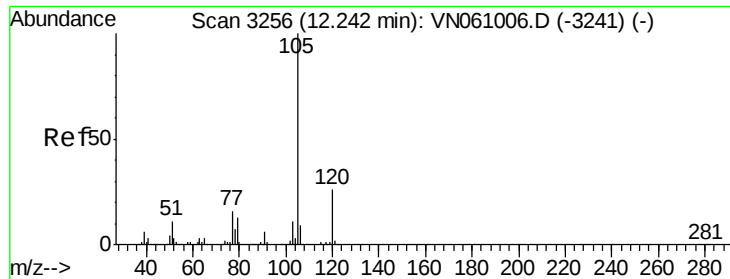
Abundance

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: 5.936 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. 0.00 min

Lab File: VN061004.D

Acq: 16 Apr 2020 11:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 105 Resp: 48019

Ion Ratio Lower Upper

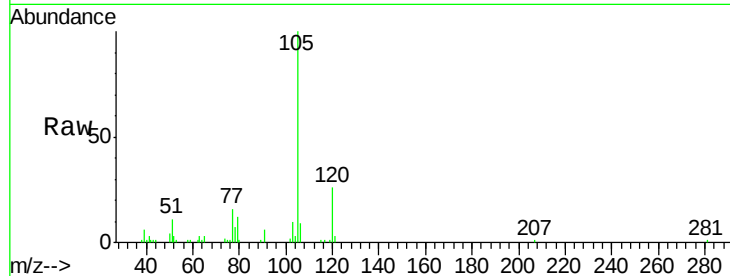
105 100

120 25.3 13.0 38.9

Manual Integrations
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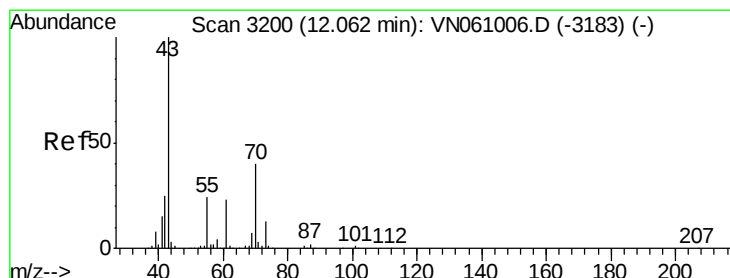
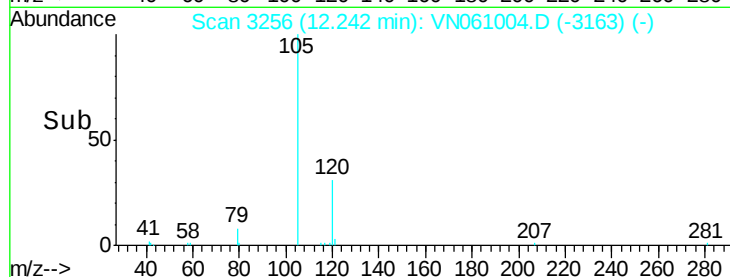
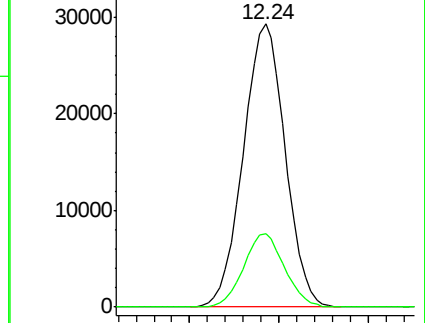
MMDadoda

4/17/2020 11:52:57 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: 5.559 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN061004.D

Acq: 16 Apr 2020 11:33

Tgt Ion: 43 Resp: 20867

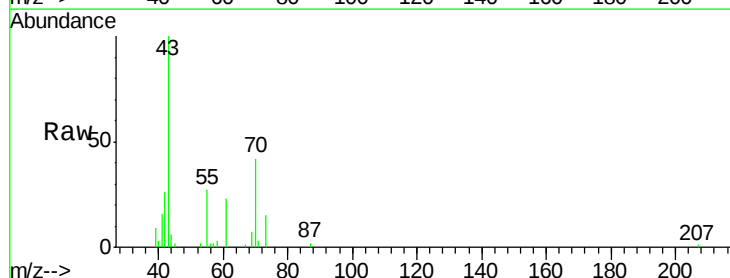
Ion Ratio Lower Upper

43 100

70 38.4 31.0 46.6

55 23.8 18.6 27.8

61 21.4 18.2 27.4

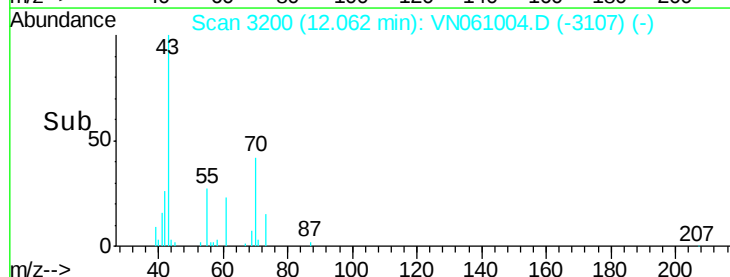
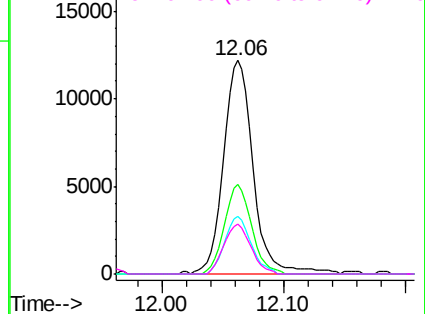


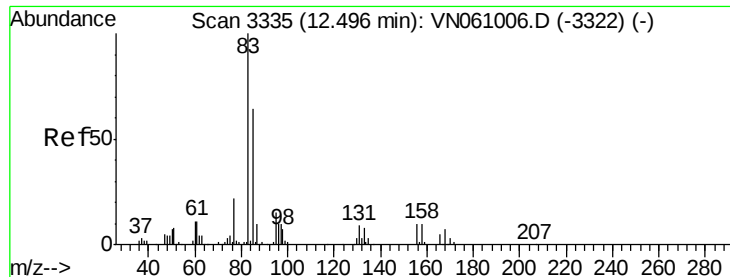
Abundance Ion 43.00 (42.70 to 43.70): V

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: 5.842 ug/l

RT: 12.50 min Scan# 3335

Delta R.T. 0.00 min

Lab File: VN061004.D

Acq: 16 Apr 2020 11:33

Instrument :

MSVOA_N

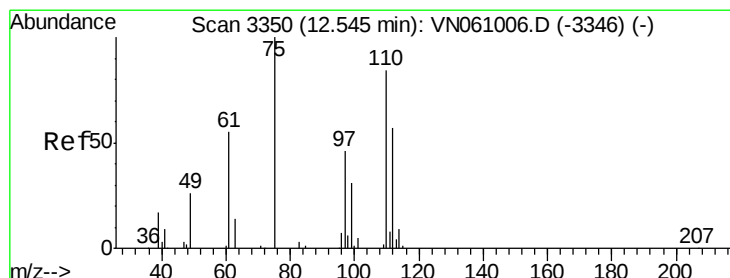
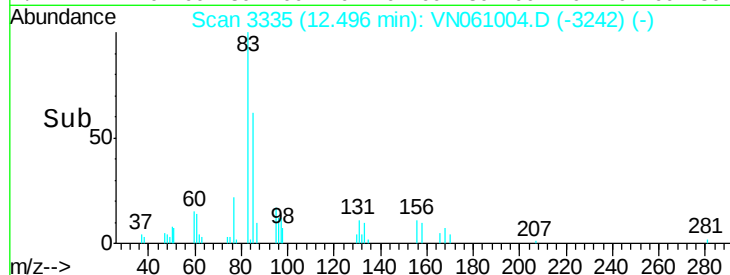
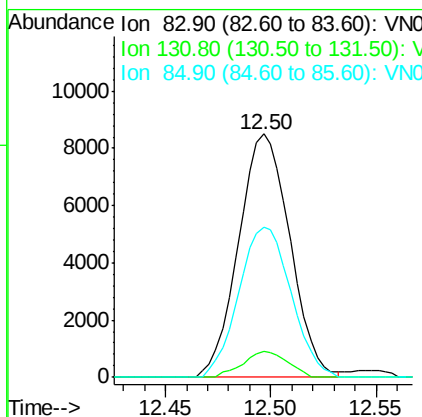
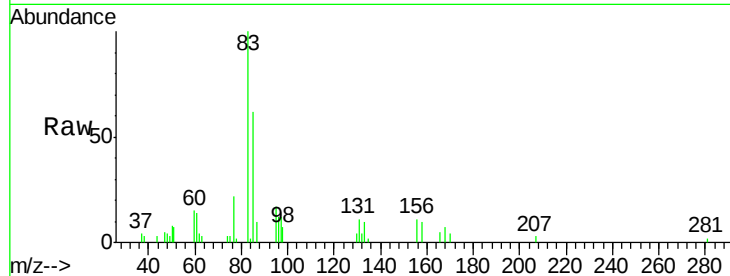
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	14366
Ion Ratio	Lower	Upper	
83	100		
131	9.3	4.8	14.3
85	63.0	32.3	96.8

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#76

1,2,3-Trichloropropane

Concen: 6.120 ug/l m

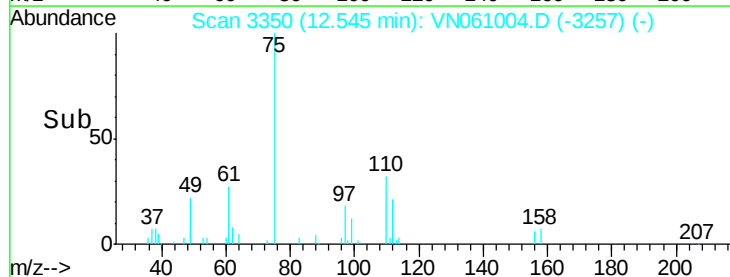
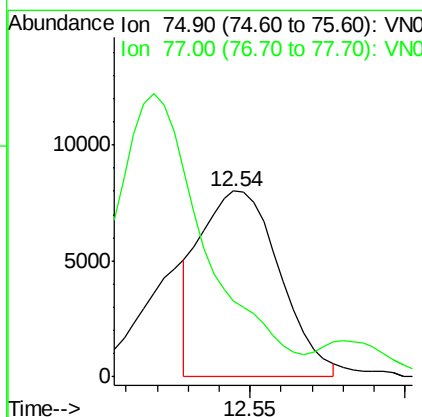
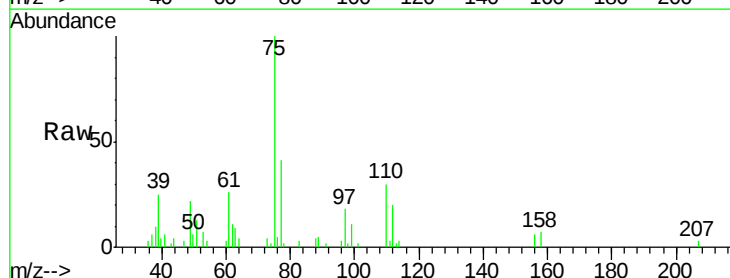
RT: 12.54 min Scan# 3350

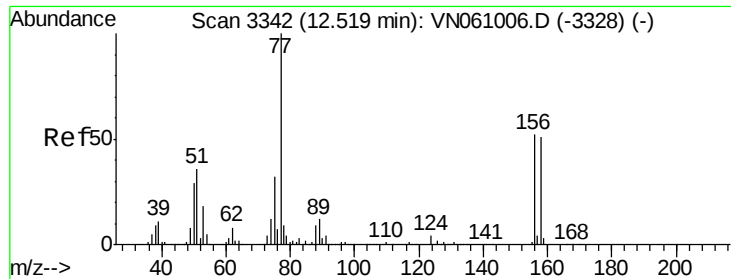
Delta R.T. 0.00 min

Lab File: VN061004.D

Acq: 16 Apr 2020 11:33

Tgt Ion:	75	Resp:	14205
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 5.659 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. 0.00 min

Lab File: VN061004.D

Acq: 16 Apr 2020 11:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:156 Resp: 10989

Ion Ratio Lower Upper

156 100

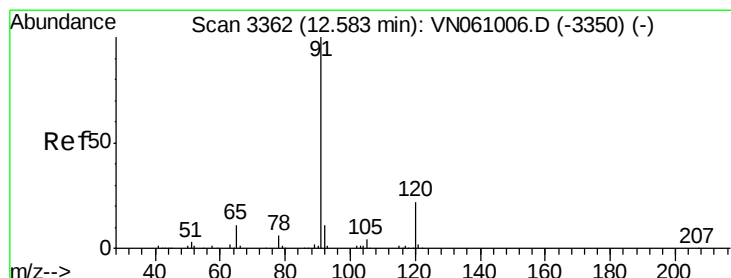
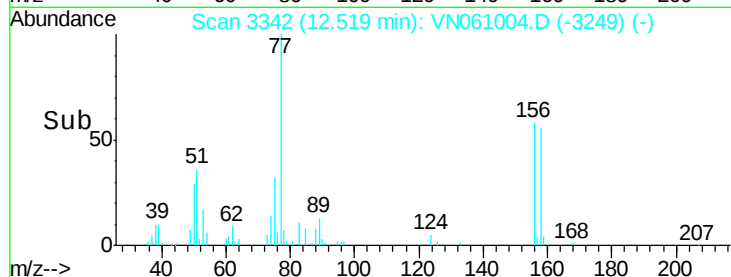
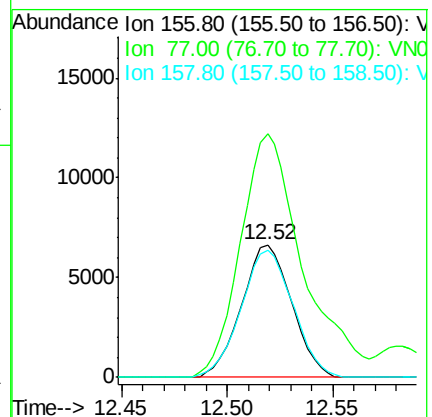
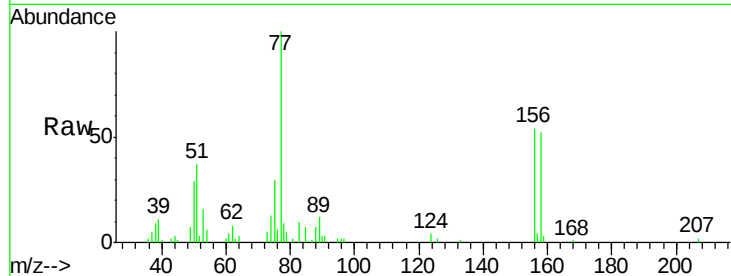
77 228.3 115.6 346.8

158 99.4 48.9 146.6

Manual Integrations
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4/17/2020 11:52:57 AM



#78

n-propylbenzene

Concen: 5.814 ug/l

RT: 12.58 min Scan# 3362

Delta R.T. 0.00 min

Lab File: VN061004.D

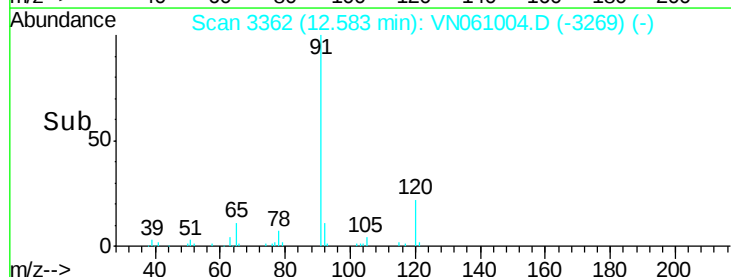
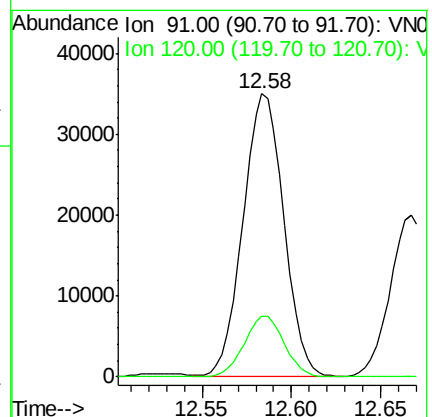
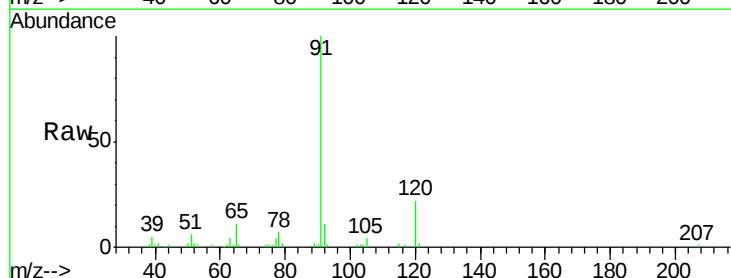
Acq: 16 Apr 2020 11:33

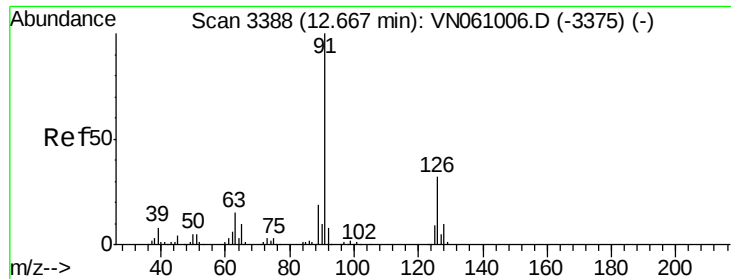
Tgt Ion: 91 Resp: 55751

Ion Ratio Lower Upper

91 100

120 21.0 10.9 32.7





#79

2-Chlorotoluene

Concen: 5.780 ug/l

RT: 12.67 min Scan# 3388

Delta R.T. 0.00 min

Lab File: VN061004.D

Acq: 16 Apr 2020 11:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 32983

Ion Ratio Lower Upper

91 100

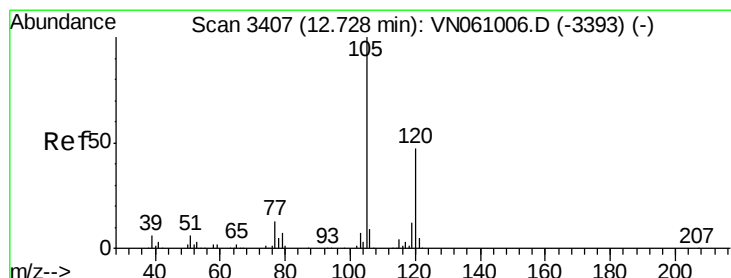
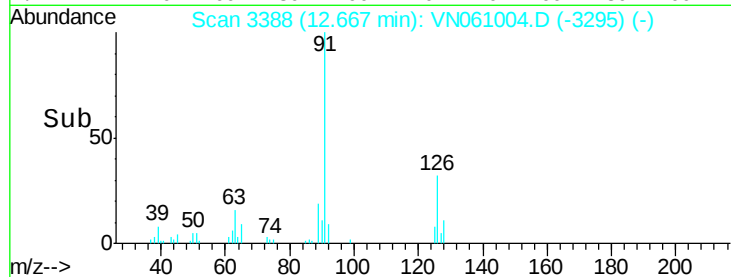
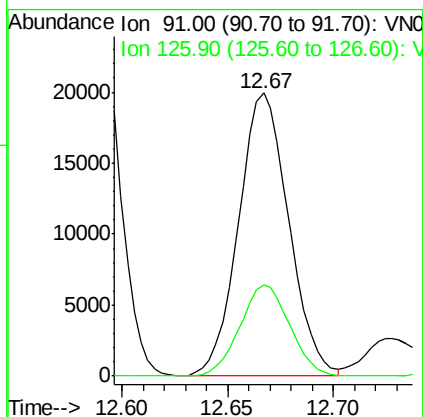
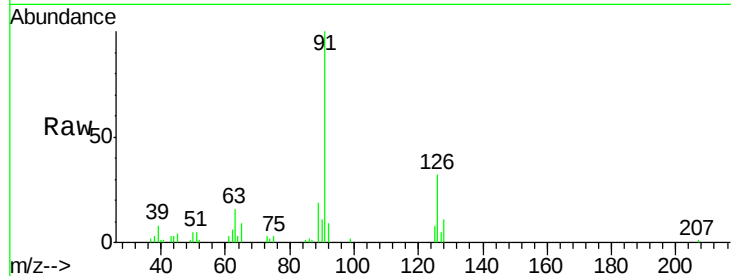
126 31.8 16.1 48.2

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 5.699 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN061004.D

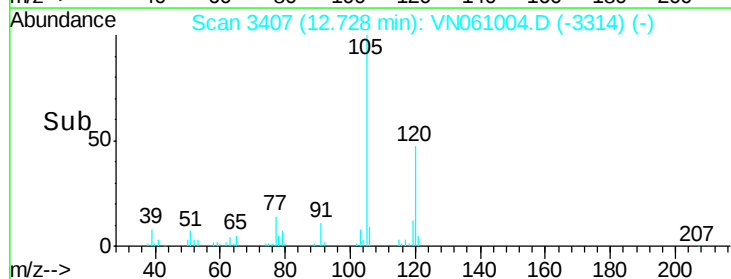
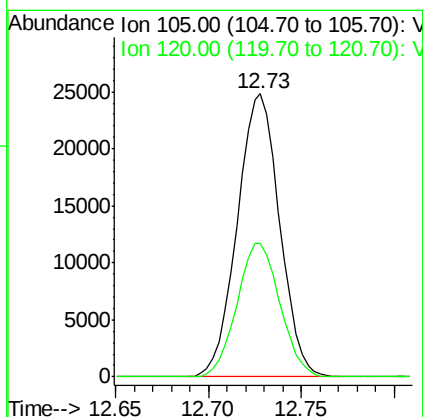
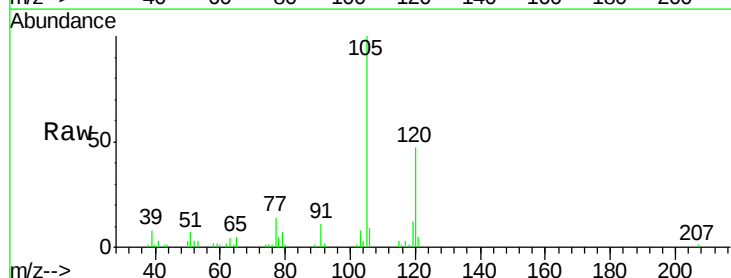
Acq: 16 Apr 2020 11:33

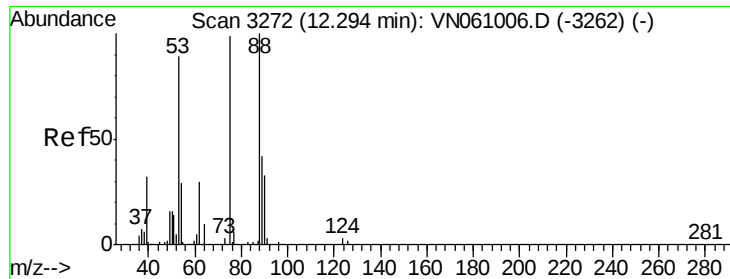
Tgt Ion: 105 Resp: 39154

Ion Ratio Lower Upper

105 100

120 47.9 23.6 70.8





#81

trans-1,4-Dichloro-2-butene

Concen: 5.304 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VN061004.D

Acq: 16 Apr 2020 11:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 75 Resp: 4819

Ion Ratio Lower Upper

75 100

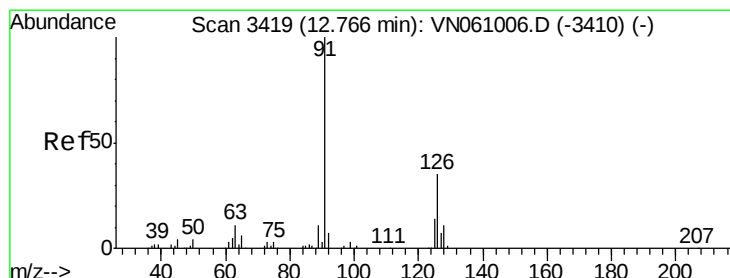
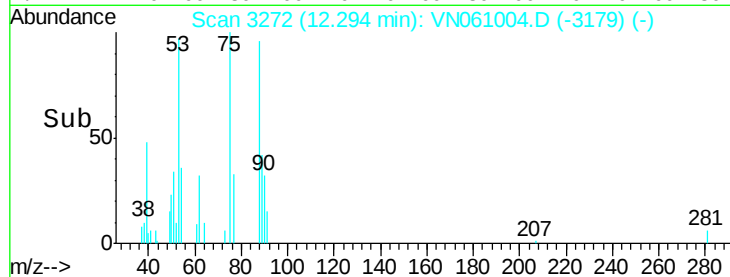
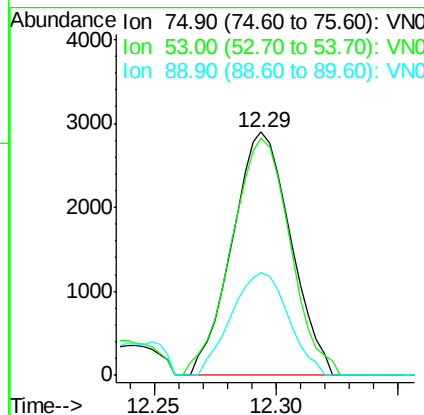
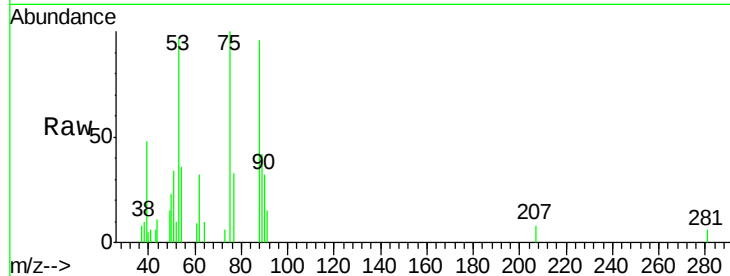
53 97.9 74.7 112.1

89 41.5 34.6 52.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 5.736 ug/l

RT: 12.77 min Scan# 3419

Delta R.T. 0.00 min

Lab File: VN061004.D

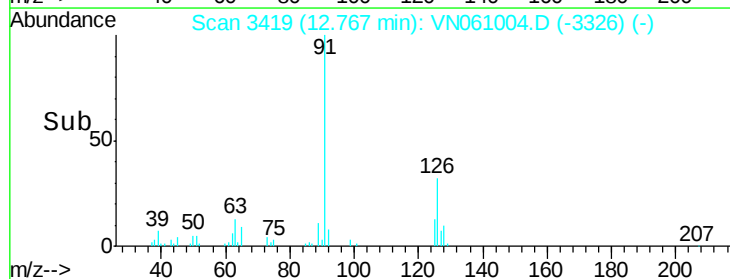
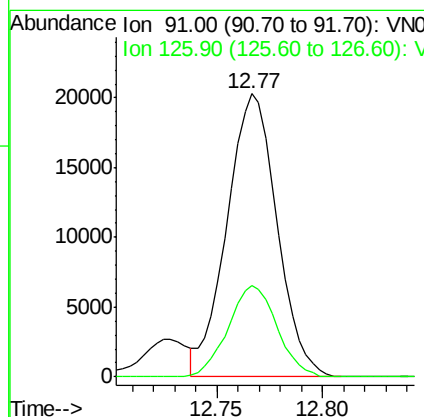
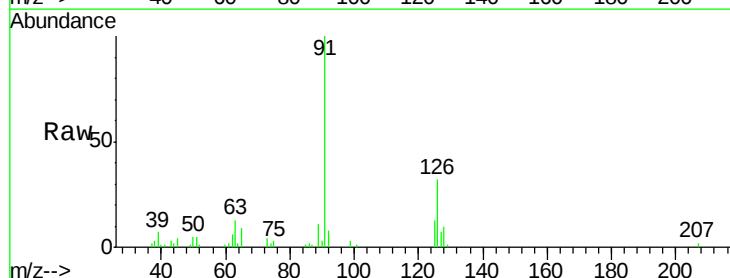
Acq: 16 Apr 2020 11:33

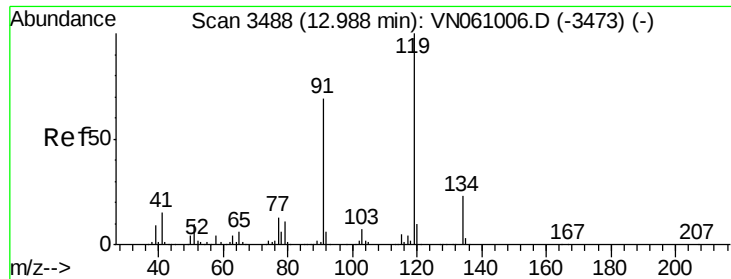
Tgt Ion: 91 Resp: 33416

Ion Ratio Lower Upper

91 100

126 31.3 15.9 47.6





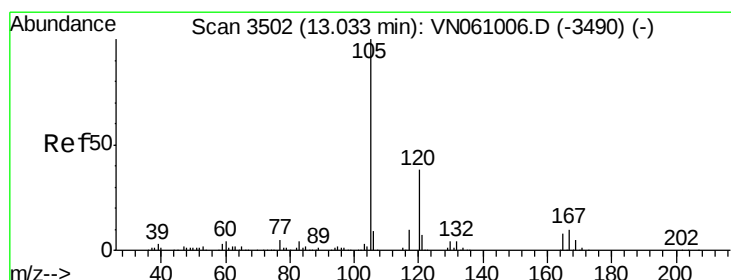
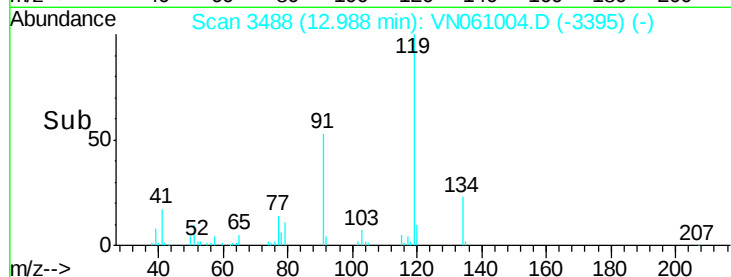
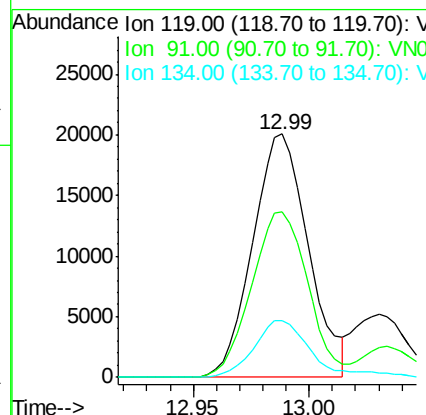
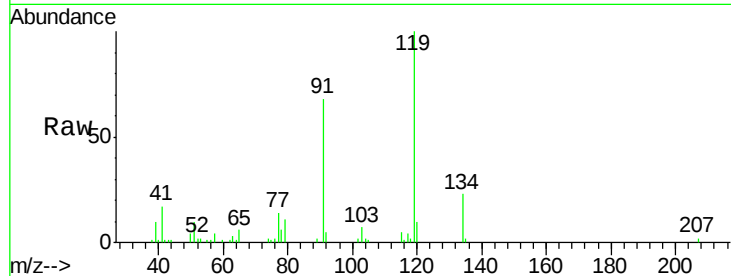
#83
tert-Butylbenzene
Concen: 5.861 ug/l
RT: 12.99 min Scan# 3488
Delta R.T. 0.00 min
Lab File: VN061004.D
Acq: 16 Apr 2020 11:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.1	34.1	102.3
134	24.2	12.4	37.2

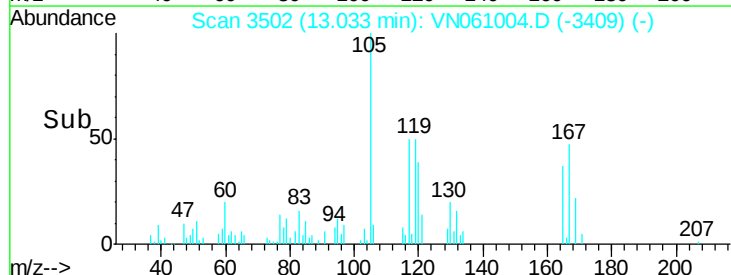
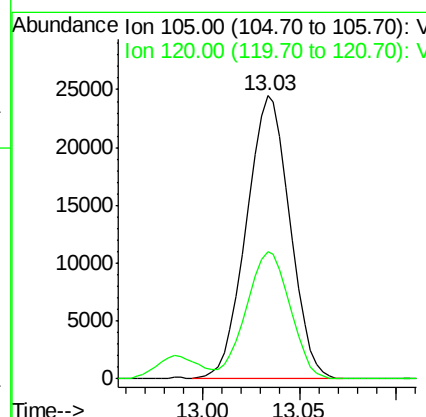
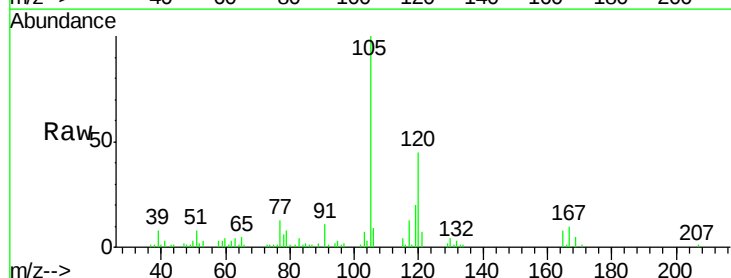
Manual Integrations
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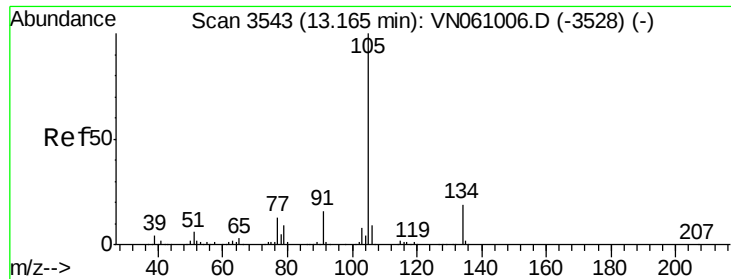
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 5.646 ug/l
RT: 13.03 min Scan# 3502
Delta R.T. 0.00 min
Lab File: VN061004.D
Acq: 16 Apr 2020 11:33

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.5	22.1	66.5





#85

sec-Butylbenzene

Concen: 5.784 ug/l

RT: 13.17 min Scan# 3543

Delta R.T. 0.00 min

Lab File: VN061004.D

Acq: 16 Apr 2020 11:33

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion:105 Resp: 44415

Ion Ratio Lower Upper

105 100

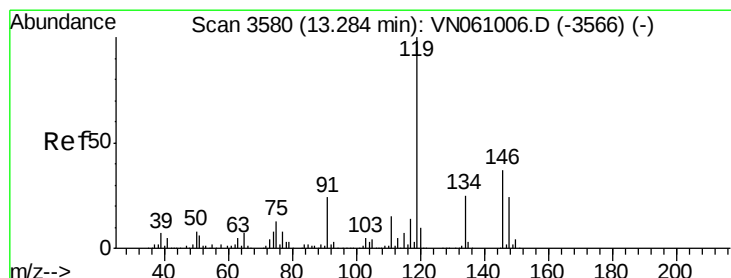
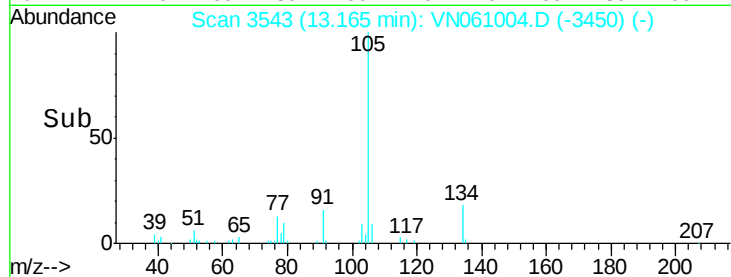
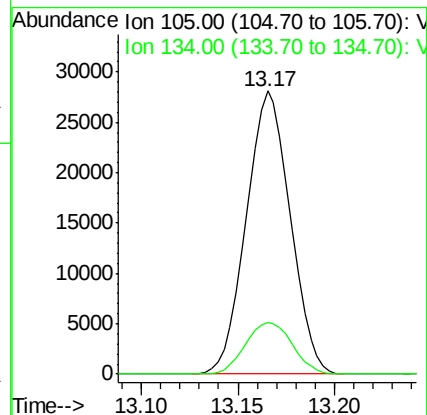
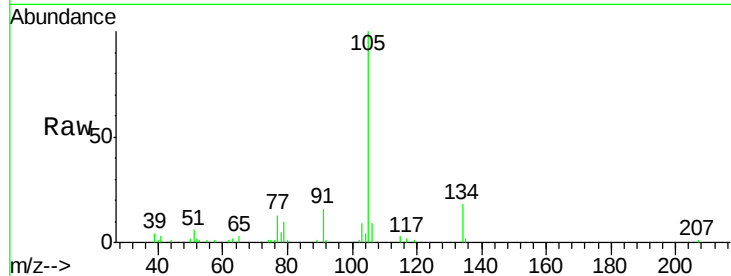
134 19.4 9.5 28.5

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 5.677 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN061004.D

Acq: 16 Apr 2020 11:33

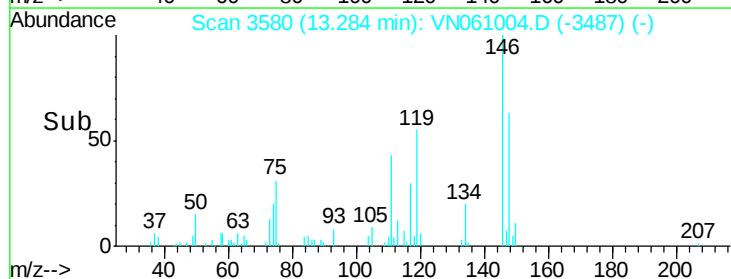
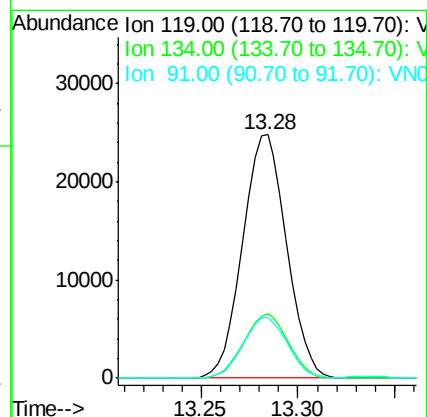
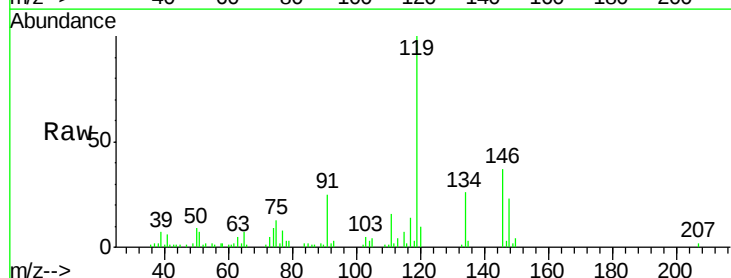
Tgt Ion:119 Resp: 39163

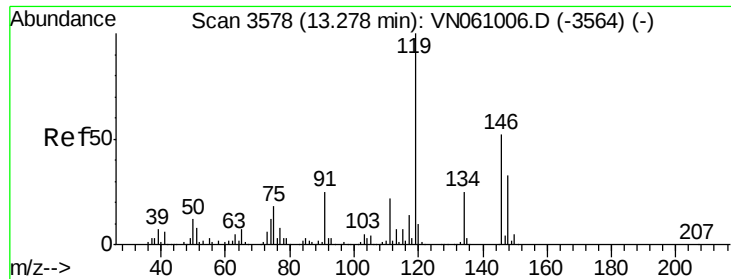
Ion Ratio Lower Upper

119 100

134 26.4 12.8 38.4

91 25.5 12.3 36.8





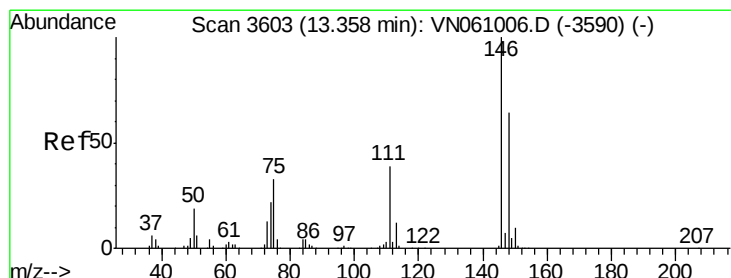
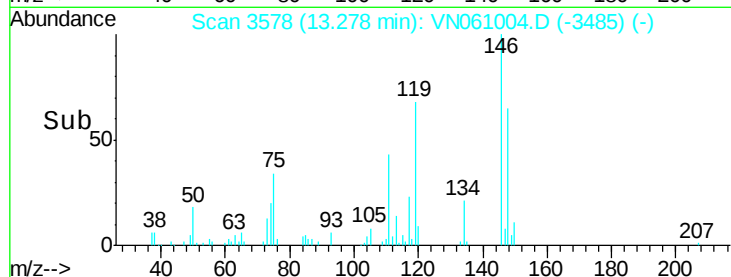
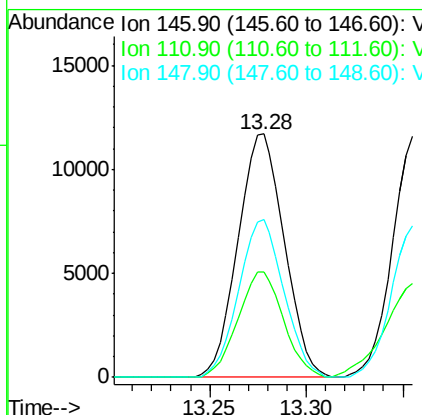
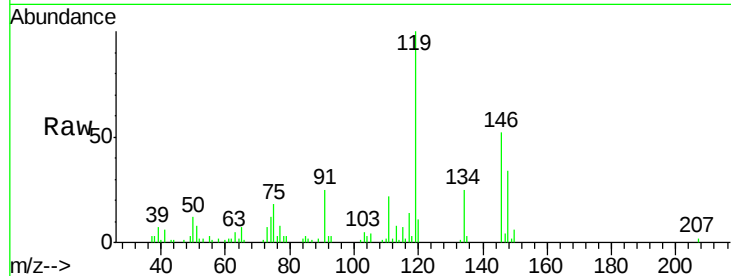
#87
 1,3-Dichlorobenzene
 Concen: 5.675 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. 0.00 min
 Lab File: VN061004.D
 Acq: 16 Apr 2020 11:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.4	20.6	61.8
148	63.2	31.8	95.3

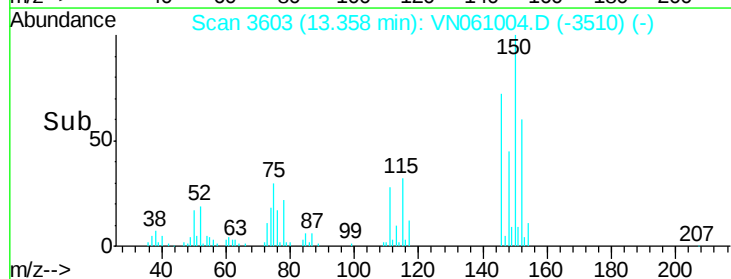
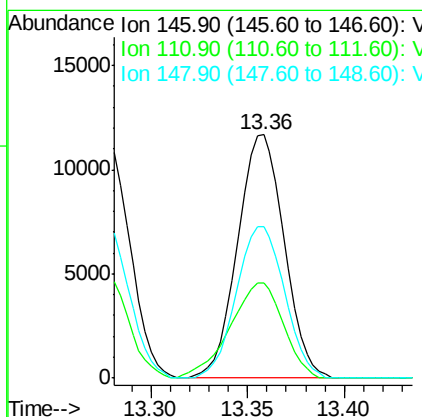
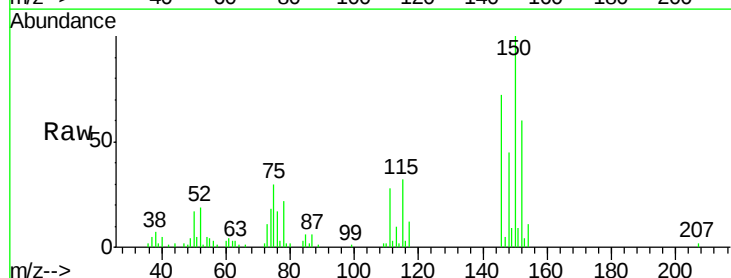
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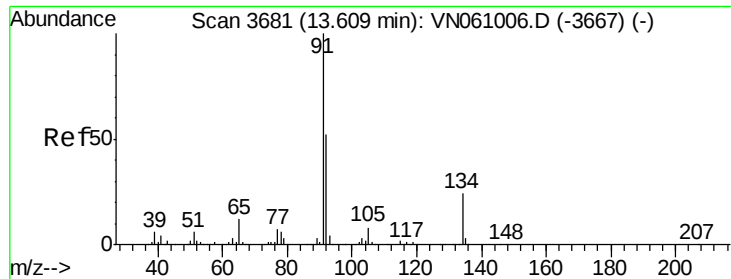
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 4/17/2020 11:52:57 AM



#88
 1,4-Dichlorobenzene
 Concen: 5.683 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN061004.D
 Acq: 16 Apr 2020 11:33

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.6	20.1	60.3
148	64.5	32.1	96.3





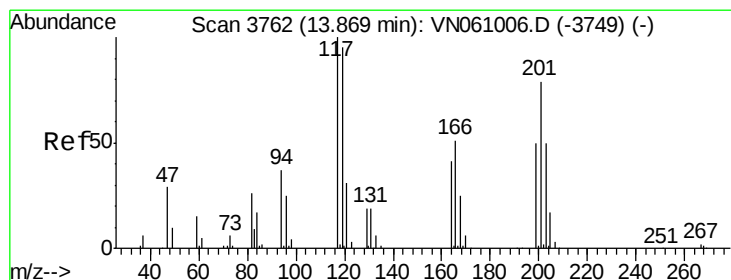
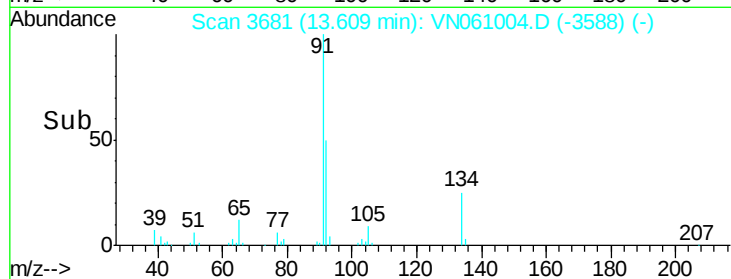
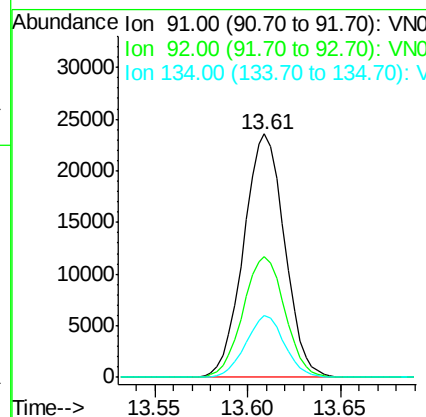
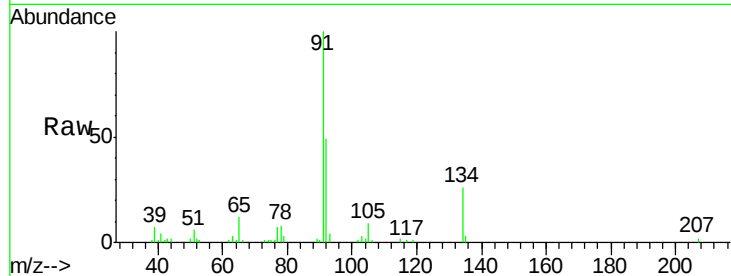
#89
n-Butylbenzene
Concen: 5.776 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. 0.00 min
Lab File: VN061004.D
Acq: 16 Apr 2020 11:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.7	26.1	78.2
134	24.0	12.3	36.8

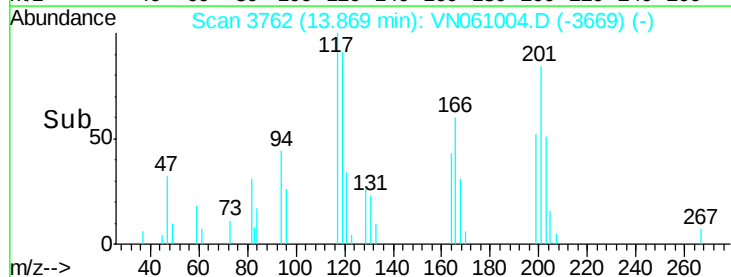
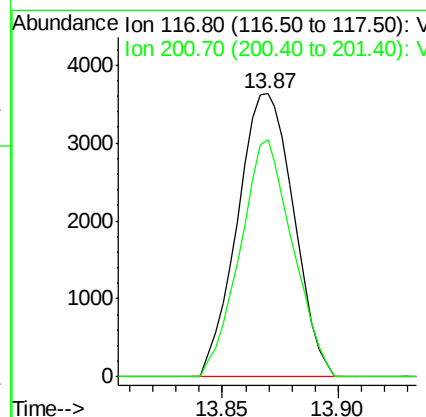
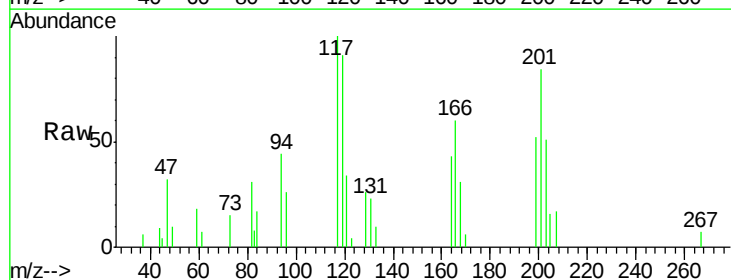
Manual Integrations
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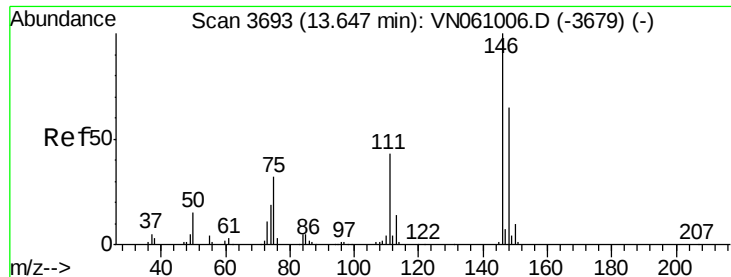
MMDadoda
4/17/2020 11:52:57 AM



#90
Hexachloroethane
Concen: 6.084 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. 0.00 min
Lab File: VN061004.D
Acq: 16 Apr 2020 11:33

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.5	39.3	117.9





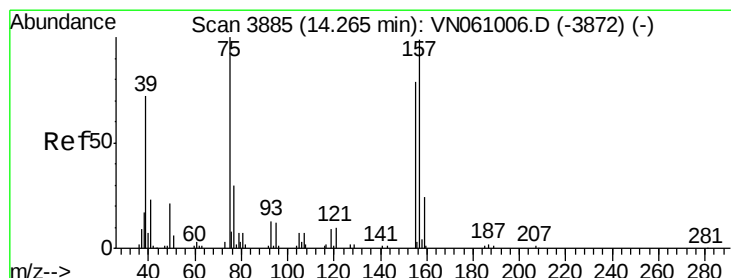
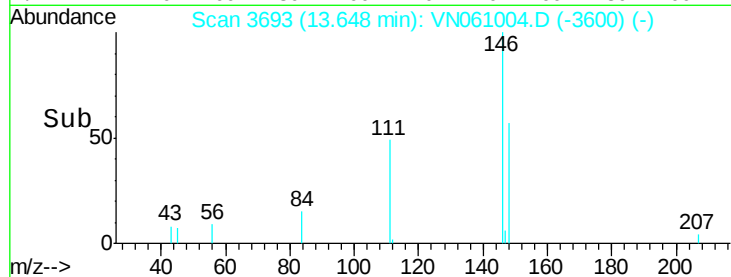
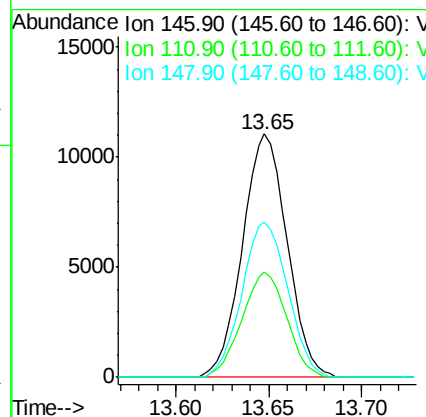
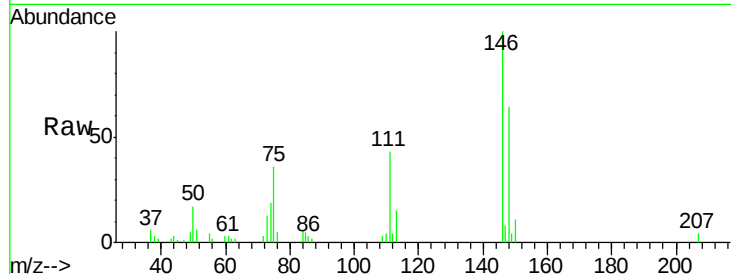
#91
 1,2-Dichlorobenzene
 Concen: 5.639 ug/l
 RT: 13.65 min Scan# 3693
 Delta R.T. 0.00 min
 Lab File: VN061004.D
 Acq: 16 Apr 2020 11:33

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.3	64.0
148	65.4	32.0	96.0

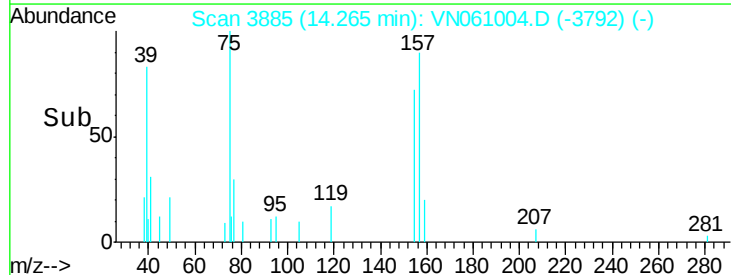
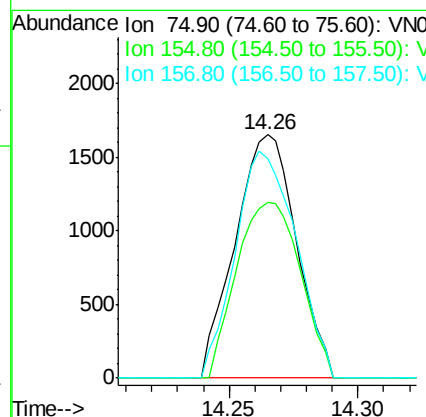
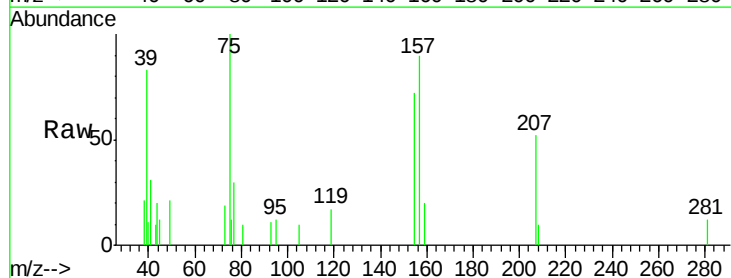
Manual Integrations
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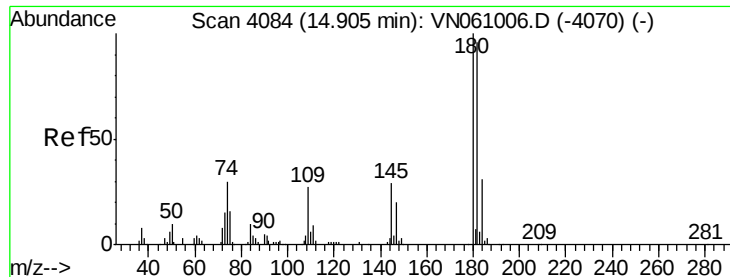
MMDadoda
 4/17/2020 11:52:57 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.958 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN061004.D
 Acq: 16 Apr 2020 11:33

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.5	39.5	118.5
157	92.7	50.1	150.4





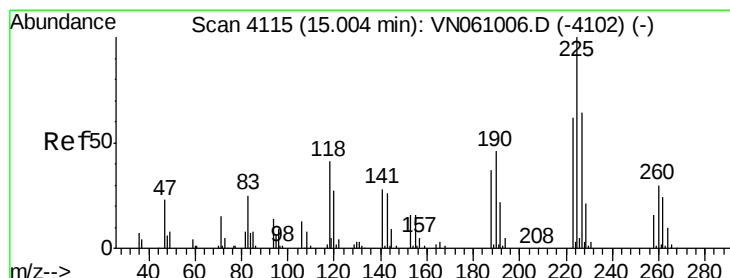
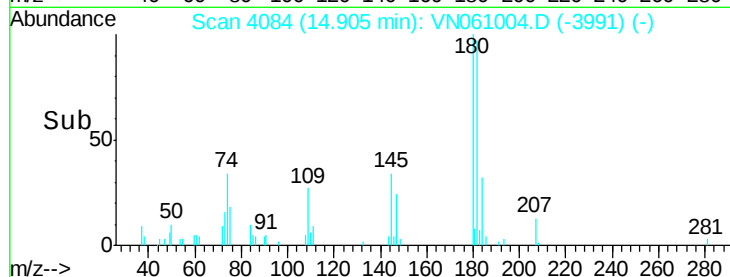
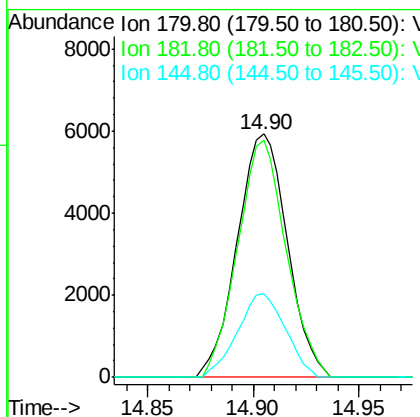
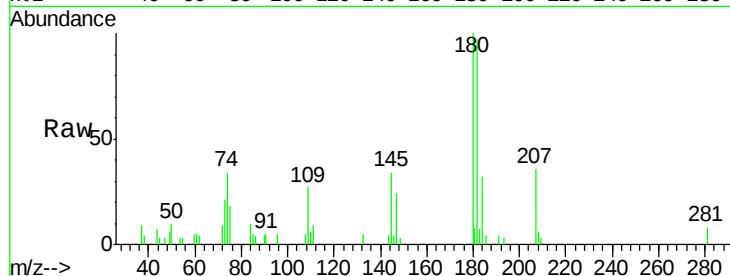
#93
 1,2,4-Trichlorobenzene
 Concen: 4.871 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN061004.D
 Acq: 16 Apr 2020 11:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.3	47.8	143.3
145	32.8	15.3	45.8

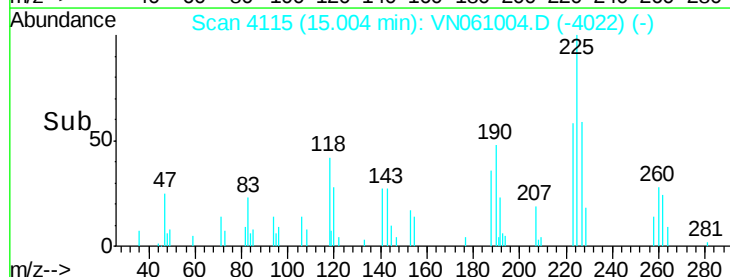
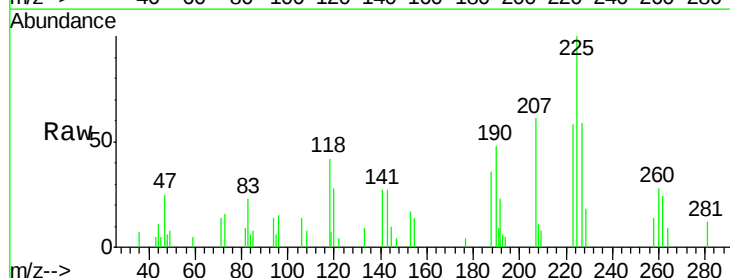
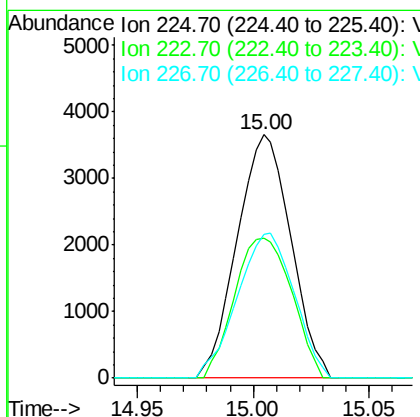
Manual Integrations
 APPROVED

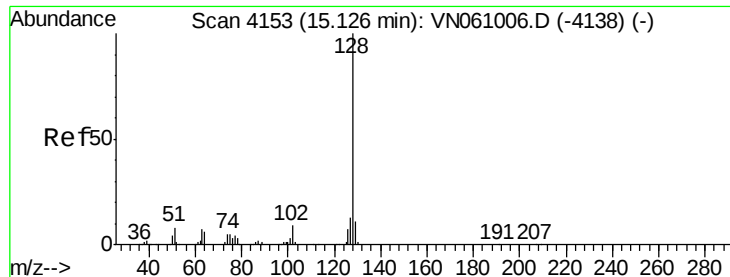
MMDadoda
 4/17/2020 11:52:57 AM



#94
 Hexachlorobutadiene
 Concen: 5.924 ug/l
 RT: 15.00 min Scan# 4115
 Delta R.T. 0.00 min
 Lab File: VN061004.D
 Acq: 16 Apr 2020 11:33

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.3	31.3	93.8
227	62.7	31.9	95.5





#95

Naphthalene

Concen: 4.708 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. 0.00 min

Lab File: VN061004.D

Acq: 16 Apr 2020 11:33

Instrument :

MSVOA_N

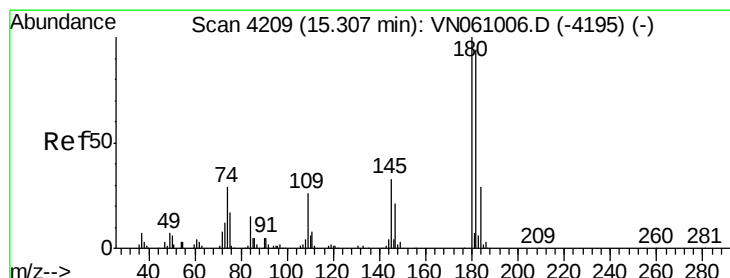
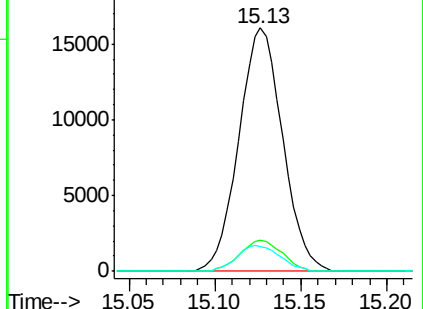
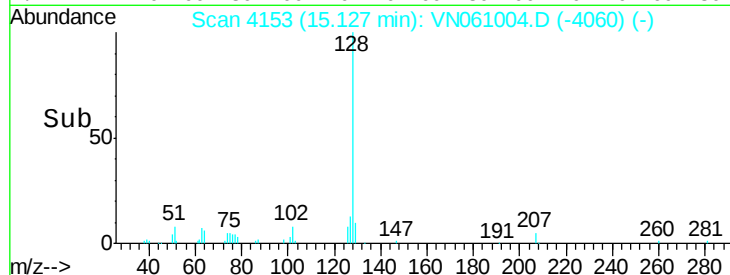
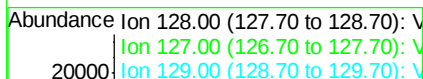
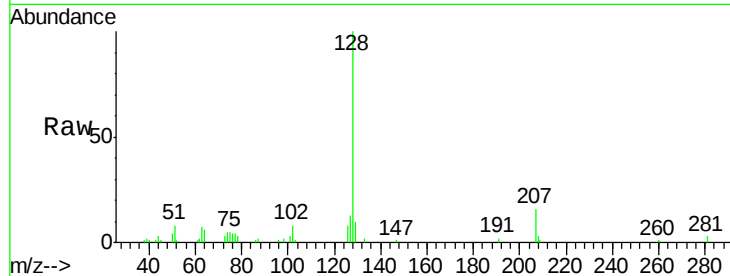
ClientSampleId :

VSTDIC005

Tot Ion:	128	Resp:	28338
Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.2	15.4
129	10.4	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
4/17/2020 11:52:57 AM



#96

1,2,3-Trichlorobenzene

Concen: 5.055 ug/l

RT: 15.31 min Scan# 4209

Delta R.T. 0.00 min

Lab File: VN061004.D

Acq: 16 Apr 2020 11:33

Tgt Ion:	180	Resp:	10018
Ion	Ratio	Lower	Upper
180	100		
182	97.8	47.6	142.8
145	32.2	16.4	49.2

