

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042020\
 Data File : VN061092.D
 Acq On : 20 Apr 2020 11:00
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/21/2020 11:59:57 AM

Quant Time: Apr 21 04:10:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041620W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 17 03:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	171957	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	279208	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	256338	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	118773	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	99477	45.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.44%	
35) Dibromofluoromethane	7.56	113	78099	47.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.80%	
50) Toluene-d8	10.08	98	286705	46.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.06%	
62) 4-Bromofluorobenzene	12.39	95	111508	46.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	112009	49.287	ug/l	99
3) Chloromethane	2.04	50	148365	48.647	ug/l	100
4) Vinyl Chloride	2.16	62	123934	48.899	ug/l	99
5) Bromomethane	2.54	94	61576	48.447	ug/l	99
6) Chloroethane	2.68	64	74562	50.999	ug/l	99
7) Trichlorofluoromethane	3.00	101	157549	49.931	ug/l	98
8) Diethyl Ether	3.38	74	63160	50.364	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	92031	49.714	ug/l	100
10) Methyl Iodide	3.92	142	92493	56.635	ug/l	99
11) Tert butyl alcohol	4.72	59	99103	253.881	ug/l	100
12) 1,1-Dichloroethene	3.71	96	92367	49.085	ug/l	97
13) Acrolein	3.57	56	79208	240.322	ug/l	99
14) Allyl chloride	4.29	41	171257	48.100	ug/l	99
15) Acrylonitrile	4.94	53	282902	267.294	ug/l	99
16) Acetone	3.77	43	307611	317.659	ug/l	100
17) Carbon Disulfide	4.03	76	278503	47.298	ug/l	99
18) Methyl Acetate	4.28	43	165471	54.493	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	325460	49.603	ug/l	99
20) Methylene Chloride	4.52	84	104650	49.497	ug/l	98
21) trans-1,2-Dichloroethene	5.00	96	98838	49.108	ug/l	98
22) Diisopropyl ether	5.91	45	376431	50.906	ug/l	100
23) Vinyl Acetate	5.85	43	1486641	256.377	ug/l	100
24) 1,1-Dichloroethane	5.81	63	197926	49.558	ug/l	99
25) 2-Butanone	6.79	43	415954	280.313	ug/l	100
26) 2,2-Dichloropropane	6.79	77	170044	51.136	ug/l	99
27) cis-1,2-Dichloroethene	6.79	96	114150	49.401	ug/l	100
28) Bromochloromethane	7.17	49	87090	47.506	ug/l	99
29) Tetrahydrofuran	7.17	42	262850	260.920	ug/l	100
30) Chloroform	7.34	83	186875	50.166	ug/l	97
31) Cyclohexane	7.63	56	192027	46.856	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	160388	49.777	ug/l	99
36) 1,1-Dichloropropene	7.76	75	146453	50.831	ug/l	100
37) Ethyl Acetate	6.89	43	165514	52.906	ug/l	99
38) Carbon Tetrachloride	7.75	117	127015	52.962	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	180230	52.323	ug/l	99
40) Benzene	8.01	78	434460	50.829	ug/l	99
41) Methacrylonitrile	7.14	41	76593m	58.697	ug/l	
42) 1,2-Dichloroethane	8.10	62	150505	51.689	ug/l	100
43) Isopropyl Acetate	8.13	43	269307	52.929	ug/l	100
44) Trichloroethene	8.81	130	109327	50.903	ug/l	99
45) 1,2-Dichloropropane	9.10	63	118637	51.387	ug/l	98
46) Dibromomethane	9.19	93	71284	53.553	ug/l	98
47) Bromodichloromethane	9.38	83	146613	52.138	ug/l	99
48) Methyl methacrylate	9.18	41	120610	53.639	ug/l	98
49) 1,4-Dioxane	9.18	88	33999	1087.743	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	808868	275.770	ug/l	100
52) Toluene	10.14	92	263566	51.400	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	172038	52.670	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	185514	52.054	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	101229	52.166	ug/l	97
56) Ethyl methacrylate	10.42	69	167611	54.929	ug/l	100
57) 1,3-Dichloropropane	10.69	76	180196	52.060	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	340573	245.624	ug/l	100
59) 2-Hexanone	10.74	43	601227	284.227	ug/l	100
60) Dibromochloromethane	10.89	129	107086	53.721	ug/l	99
61) 1,2-Dibromoethane	10.99	107	102954	52.067	ug/l	100
64) Tetrachloroethene	10.62	164	104932	53.495	ug/l	99
65) Chlorobenzene	11.42	112	267029	50.461	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	97028	51.250	ug/l	100
67) Ethyl Benzene	11.50	91	509471	51.182	ug/l	99
68) m/p-Xylenes	11.61	106	373873	103.929	ug/l	100
69) o-Xylene	11.94	106	177692	51.374	ug/l	99
70) Styrene	11.96	104	295017	52.981	ug/l	100
71) Bromoform	12.12	173	74952	53.038	ug/l #	99
73) Isopropylbenzene	12.24	105	482452	50.702	ug/l	100
74) N-amyl acetate	12.06	43	232284	52.494	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	149202	51.366	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	131608m	50.376	ug/l	
77) Bromobenzene	12.52	156	111199	50.051	ug/l	100
78) n-propylbenzene	12.58	91	575507	51.694	ug/l	100
79) 2-Chlorotoluene	12.67	91	335556	51.391	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	408346	51.918	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	53741	50.739	ug/l	99
82) 4-Chlorotoluene	12.77	91	346337	51.143	ug/l	99
83) tert-Butylbenzene	12.99	119	340335	51.452	ug/l	100
84) 1,2,4-Trimethylbenzene	13.03	105	412813	53.098	ug/l	99
85) sec-Butylbenzene	13.17	105	463474	51.714	ug/l	100
86) p-Isopropyltoluene	13.28	119	419289	52.538	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	201550	50.904	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	199932	50.193	ug/l	99
89) n-Butylbenzene	13.61	91	389005	52.417	ug/l	99
90) Hexachloroethane	13.87	117	60090	49.076	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	193364	51.169	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	29658	52.758	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	116824	52.231	ug/l	99
94) Hexachlorobutadiene	15.01	225	57266	49.770	ug/l	99
95) Naphthalene	15.13	128	339205	52.001	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	112215	52.060	ug/l	99

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

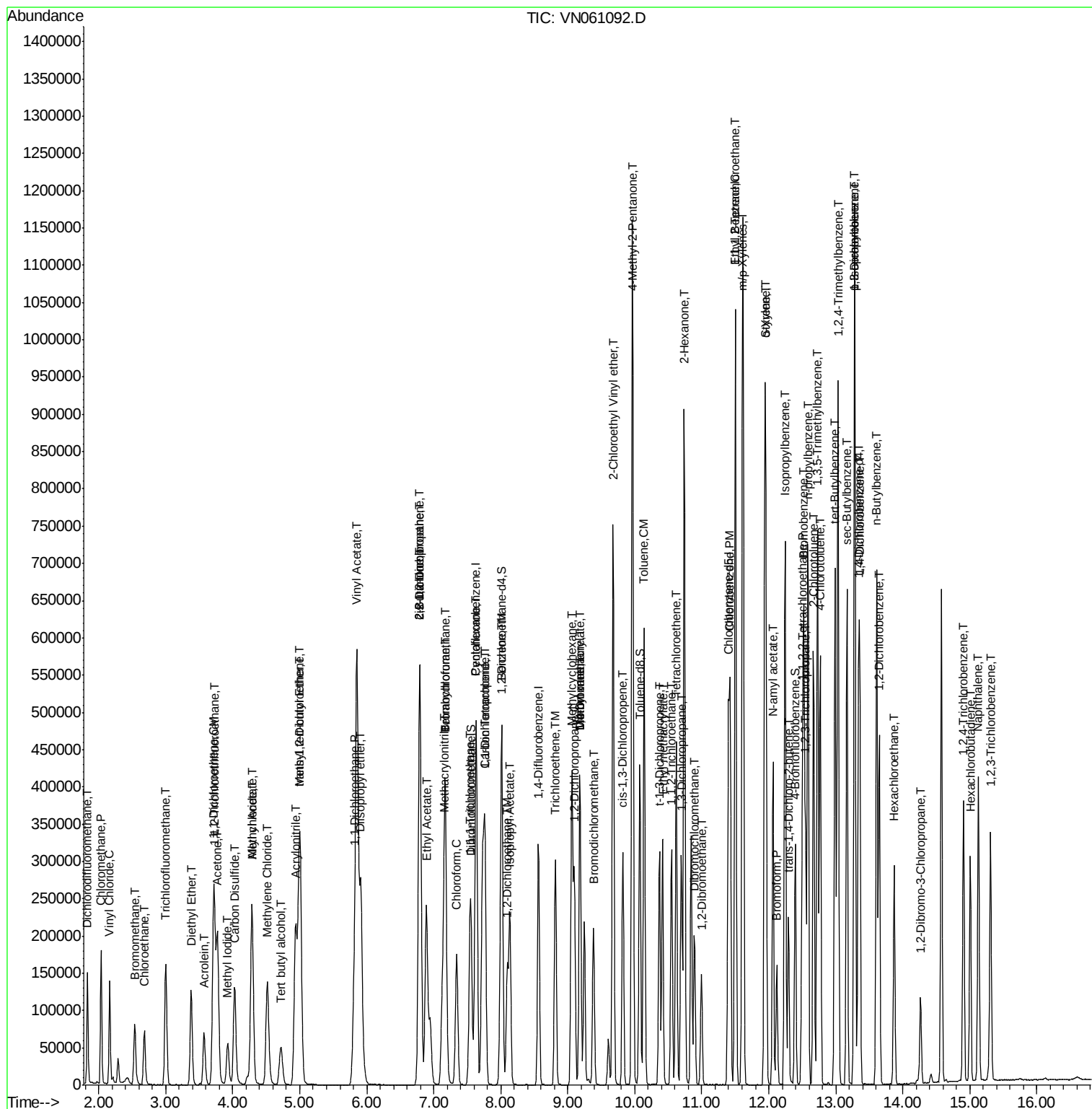
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Data File : VN061092.D
Acq On : 20 Apr 2020 11:00
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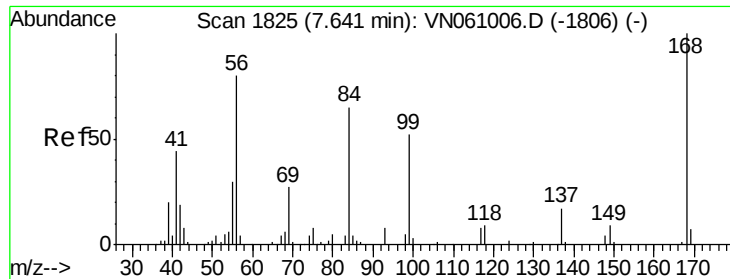
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.00 min

Lab File: VN061092.D

Acq: 20 Apr 2020 11:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 171957

Ion Ratio Lower Upper

168 100

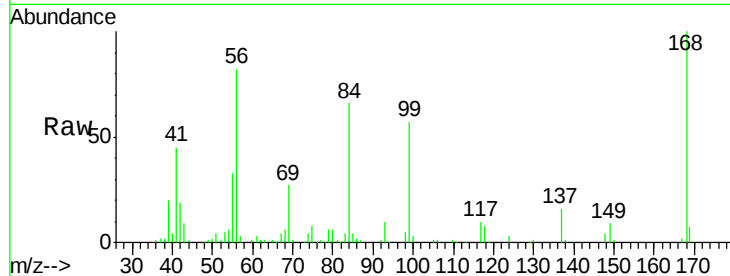
99 57.5 47.4 71.2

Manual Integrations

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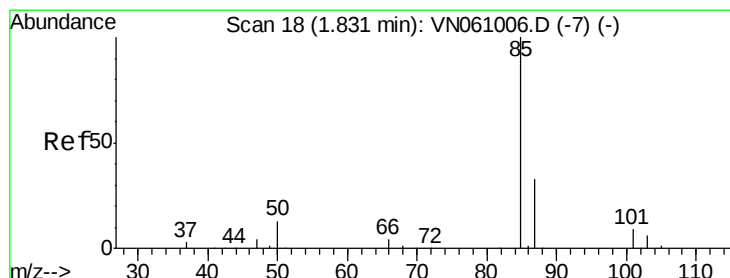
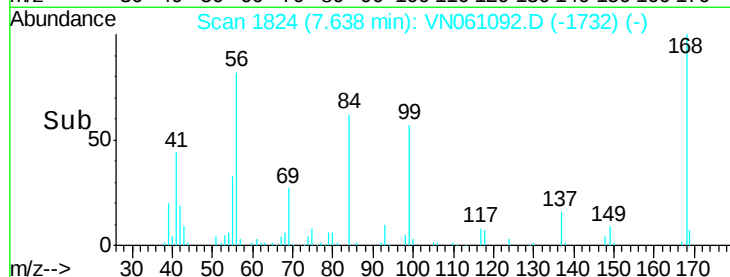
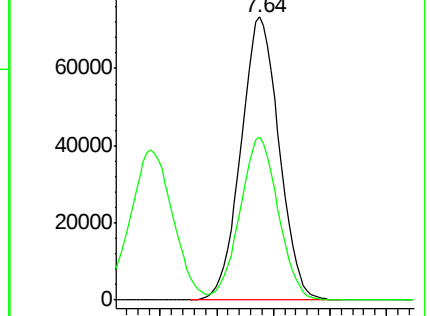
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 49.287 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061092.D

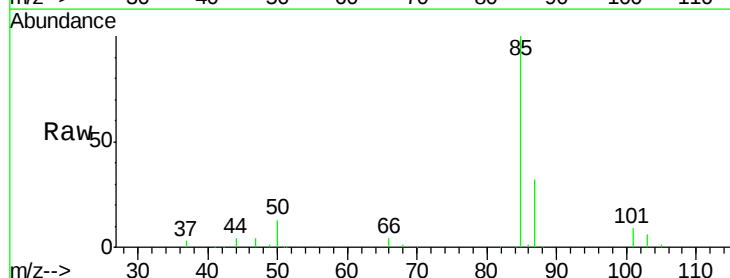
Acq: 20 Apr 2020 11:00

Tgt Ion: 85 Resp: 112009

Ion Ratio Lower Upper

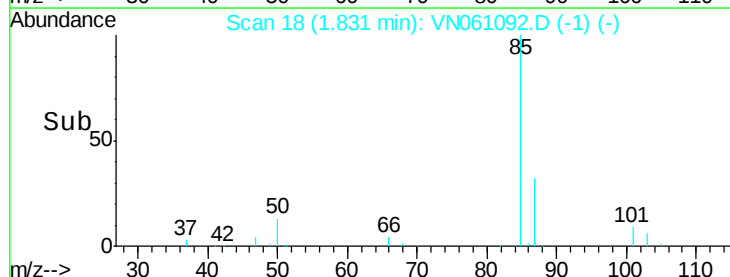
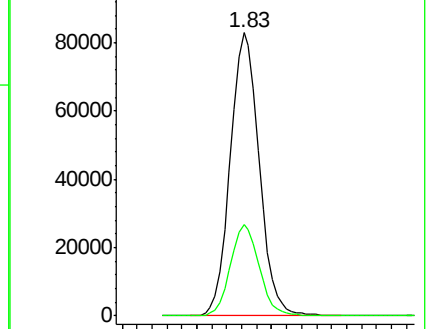
85 100

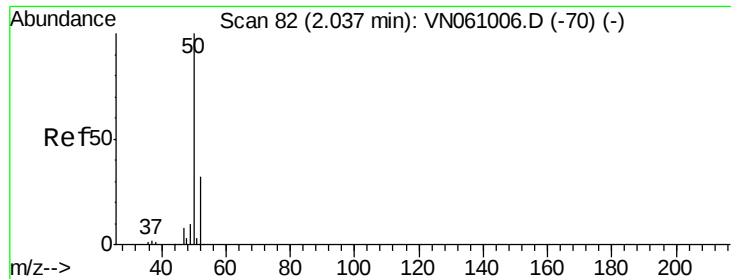
87 32.1 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 48.647 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN061092.D

Acq: 20 Apr 2020 11:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 148365

Ion Ratio Lower Upper

50 100

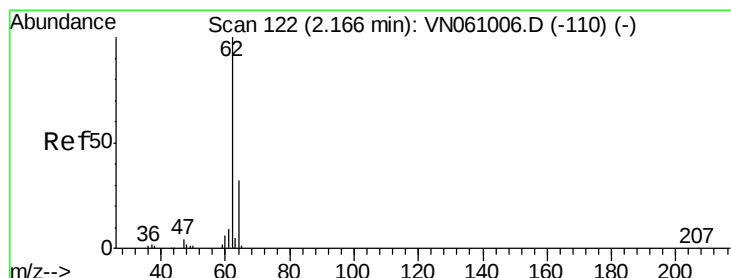
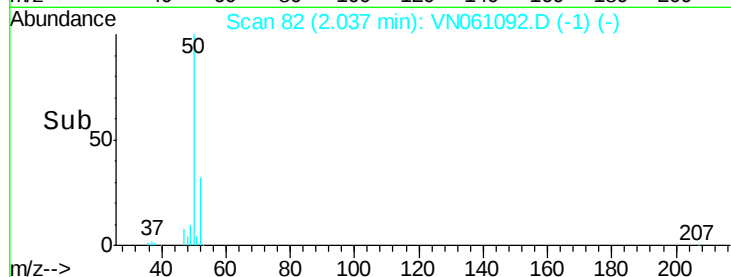
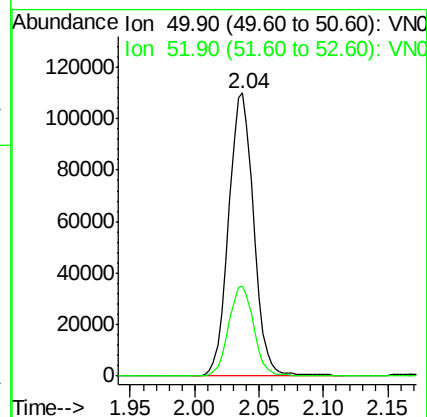
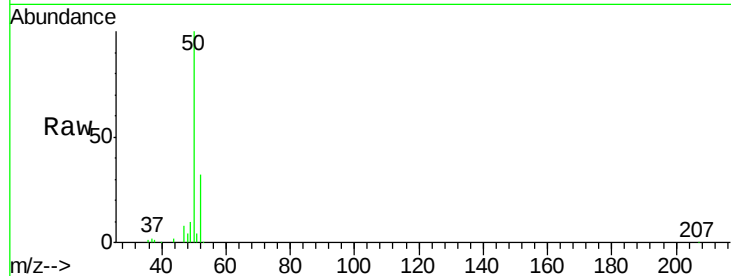
52 32.0 25.6 38.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 48.899 ug/l

RT: 2.16 min Scan# 121

Delta R.T. -0.00 min

Lab File: VN061092.D

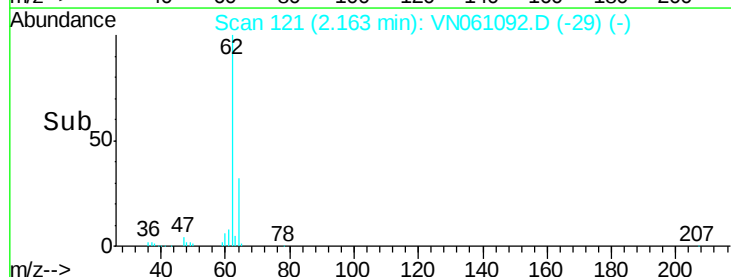
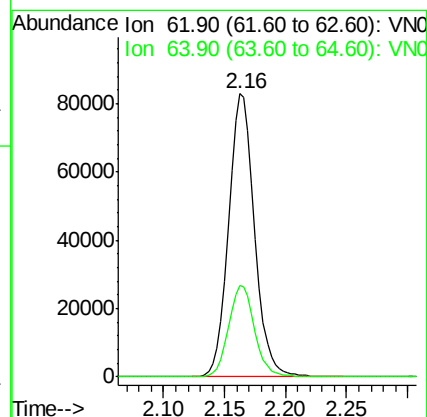
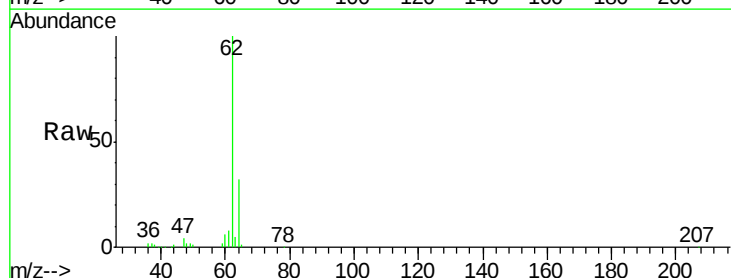
Acq: 20 Apr 2020 11:00

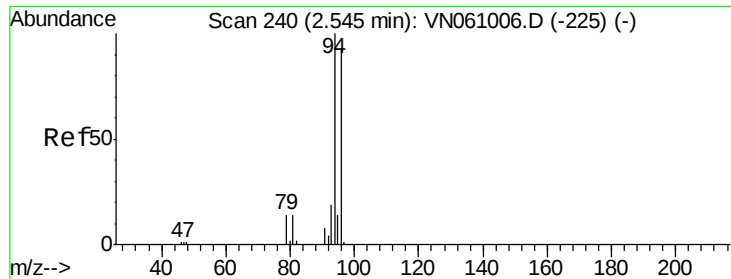
Tgt Ion: 62 Resp: 123934

Ion Ratio Lower Upper

62 100

64 32.2 25.4 38.0





#5

Bromomethane

Concen: 48.447 ug/l

RT: 2.54 min Scan# 238

Delta R.T. -0.01 min

Lab File: VN061092.D

Acq: 20 Apr 2020 11:00

Instrument :

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Tot Ion: 94 Resp: 61576

Ion Ratio Lower Upper

94 100

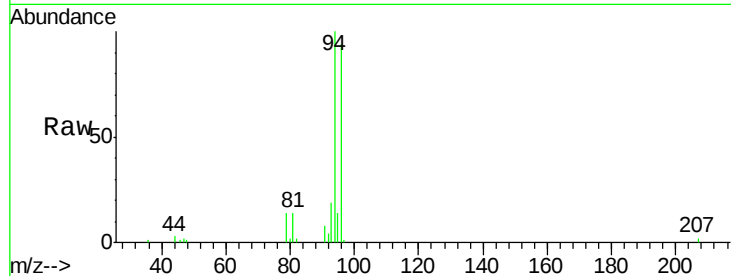
96 93.5 74.3 111.5

Manual Integrations

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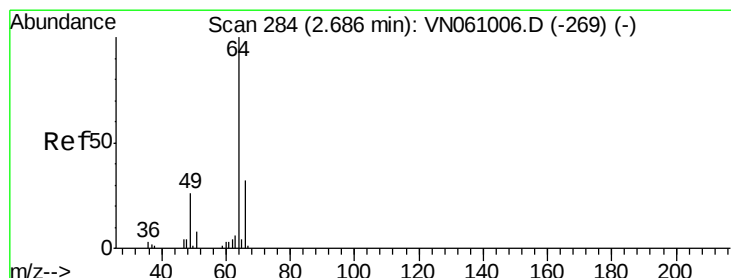
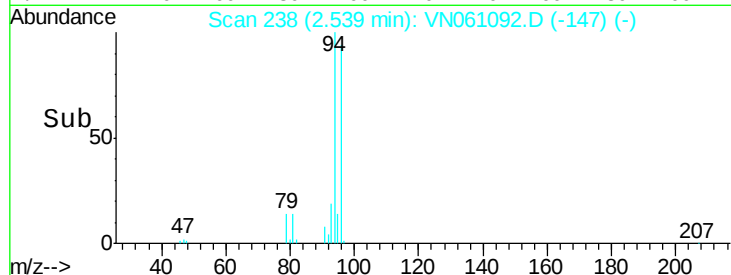
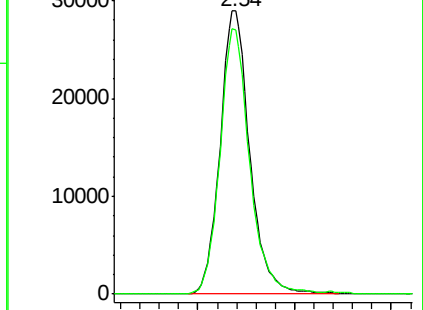
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Abundance Ion 93.90 (93.60 to 94.60): VN061006.D (-225) (-)

Ion 95.90 (95.60 to 96.60): VN061006.D (-225) (-)



#6

Chloroethane

Concen: 50.999 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.01 min

Lab File: VN061092.D

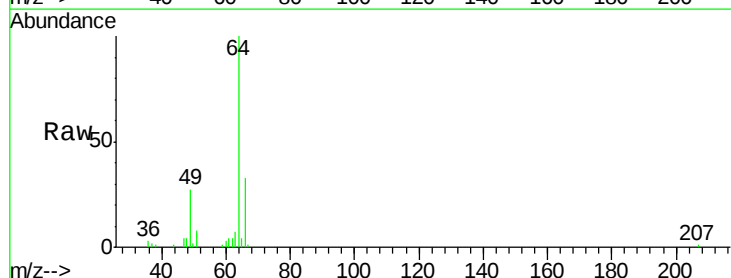
Acq: 20 Apr 2020 11:00

Tgt Ion: 64 Resp: 74562

Ion Ratio Lower Upper

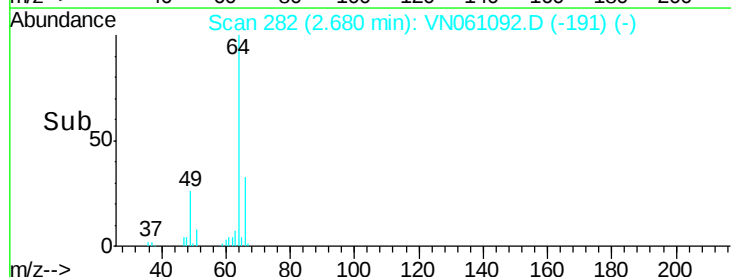
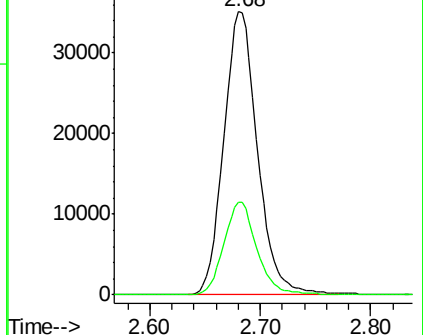
64 100

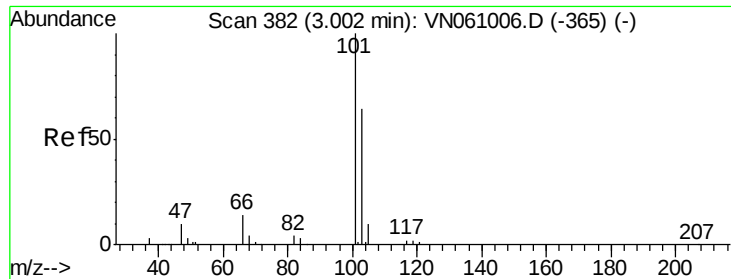
66 32.8 25.8 38.8



Abundance Ion 63.90 (63.60 to 64.60): VN061006.D (-269) (-)

Ion 65.90 (65.60 to 66.60): VN061006.D (-269) (-)





#7

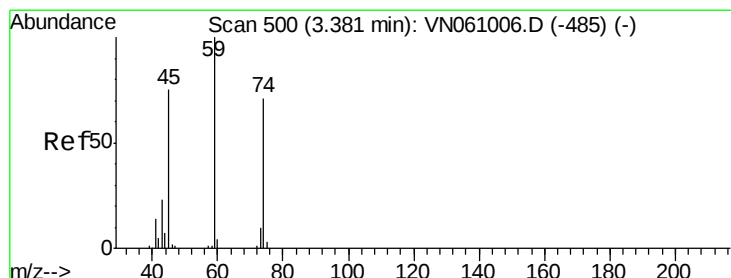
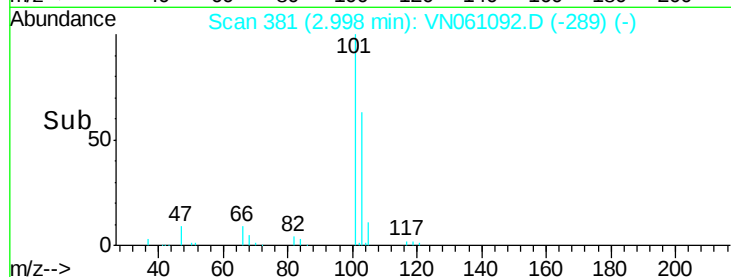
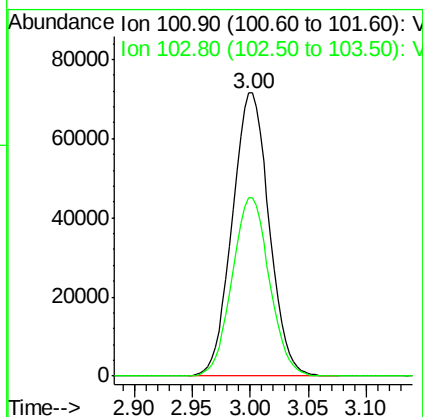
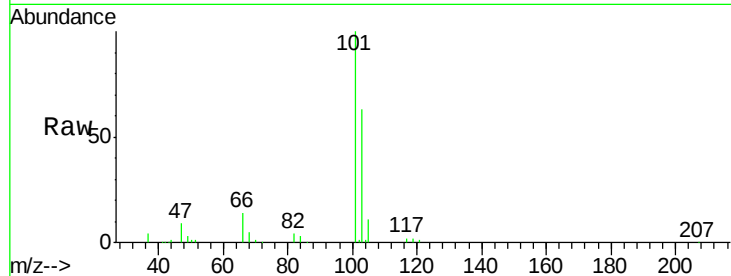
Trichlorofluoromethane
 Concen: 49.931 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. -0.00 min
 Lab File: VN061092.D
 Acq: 20 Apr 2020 11:00

Instrument :
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		157549		
103	62.9	51.4	77.2		

Manual Integrations
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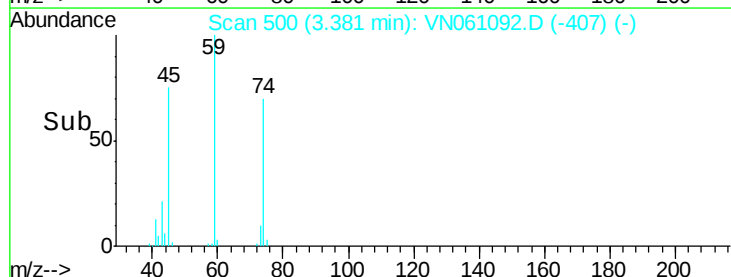
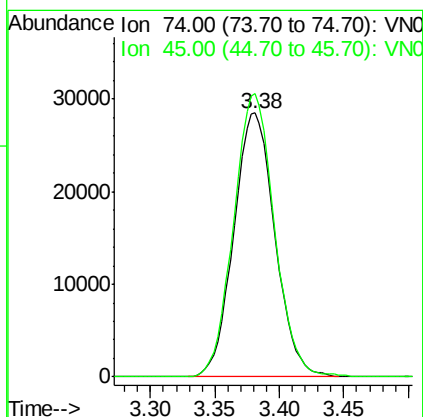
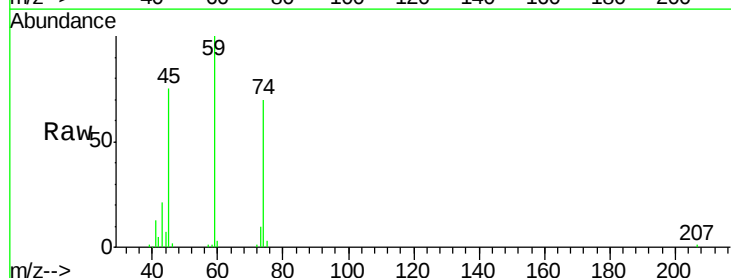
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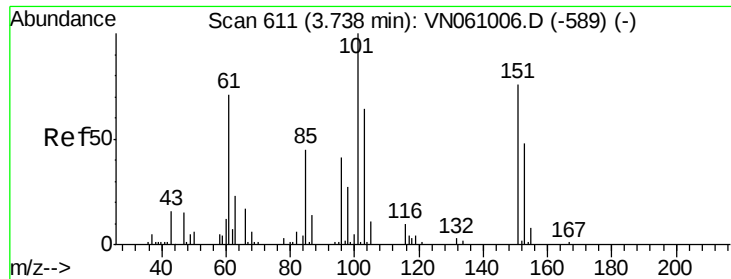


#8

Diethyl Ether
 Concen: 50.364 ug/l
 RT: 3.38 min Scan# 500
 Delta R.T. 0.00 min
 Lab File: VN061092.D
 Acq: 20 Apr 2020 11:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		63160		
45	106.5	52.9	158.8		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.714 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN061092.D

Acq: 20 Apr 2020 11:00

Instrument :

MSVOA_N

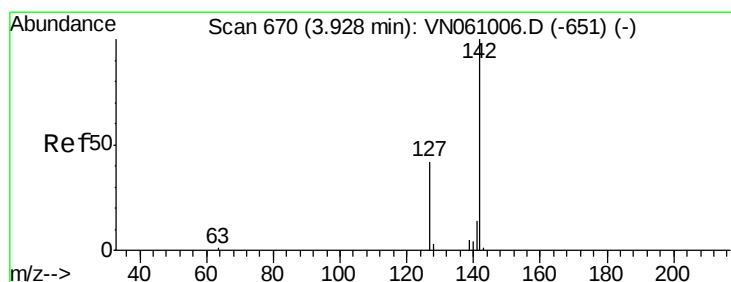
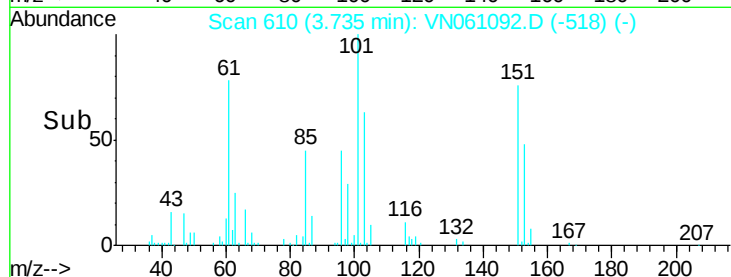
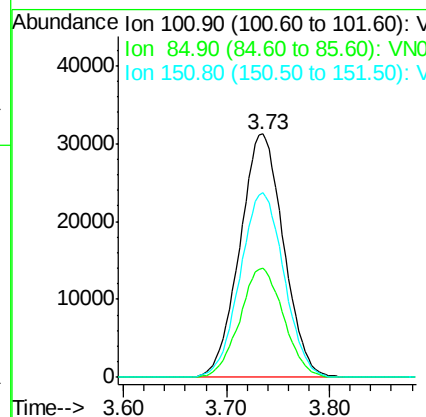
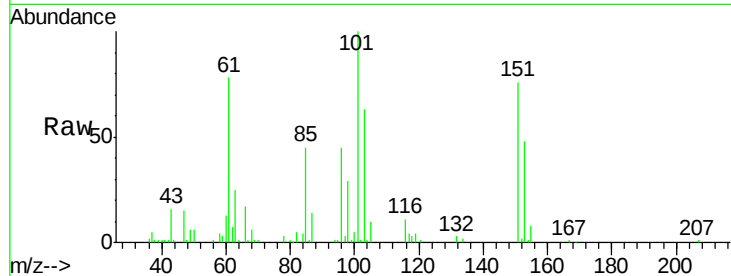
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	92031
Ion Ratio	Lower	Upper	
101	100		
85	44.6	35.9	53.9
151	76.2	60.8	91.2

Manual Integrations
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#10

Methyl Iodide

Concen: 56.635 ug/l

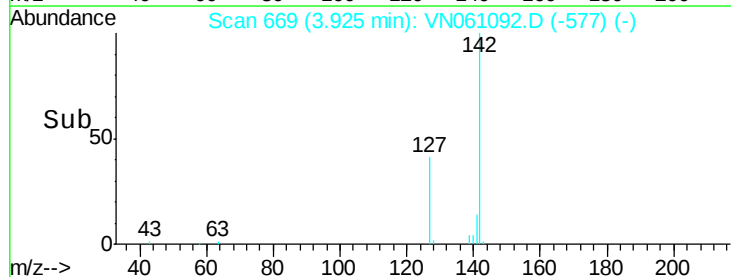
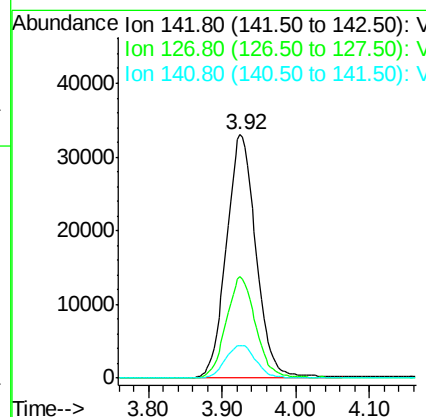
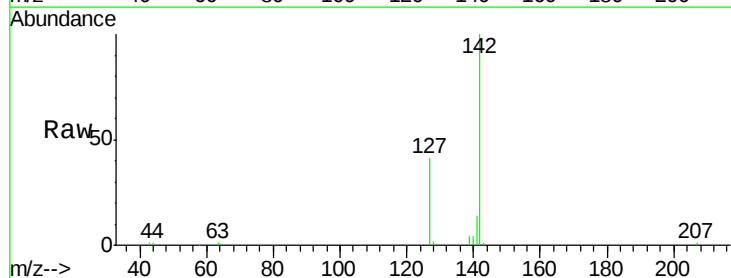
RT: 3.92 min Scan# 669

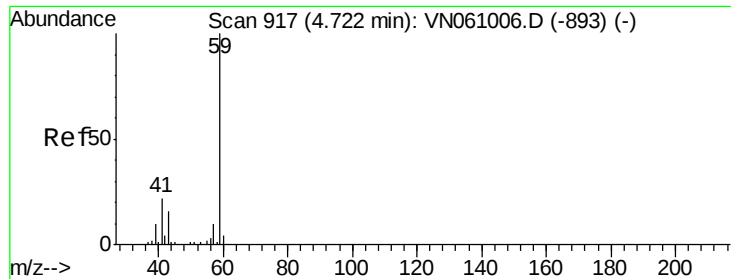
Delta R.T. -0.00 min

Lab File: VN061092.D

Acq: 20 Apr 2020 11:00

Tgt Ion:	142	Resp:	92493
Ion Ratio	Lower	Upper	
142	100		
127	41.2	33.4	50.2
141	13.7	11.0	16.6





#11

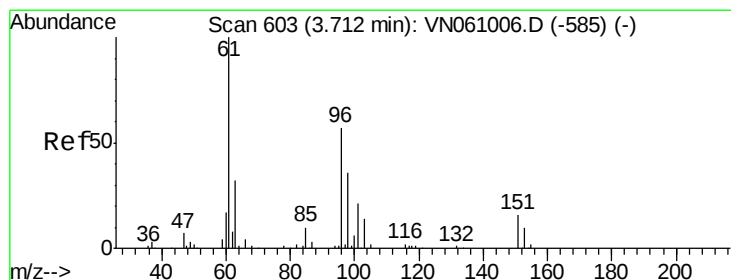
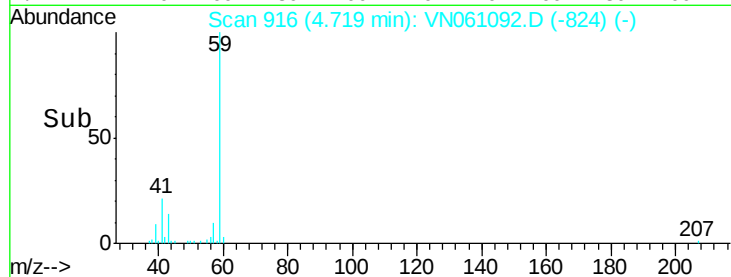
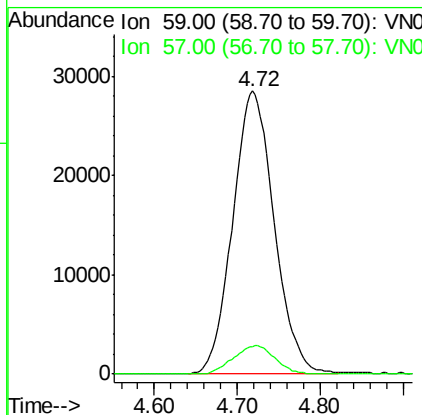
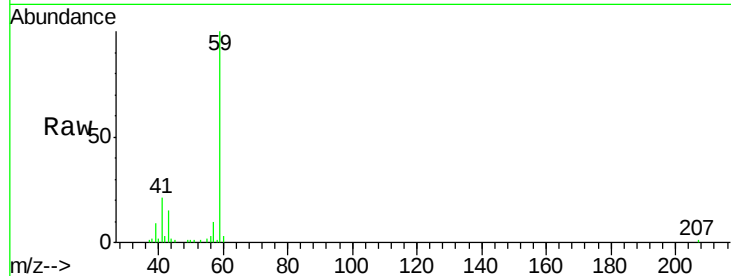
Tert butyl alcohol
Concen: 253.881 ug/l
RT: 4.72 min Scan# 916
Delta R.T. -0.00 min
Lab File: VN061092.D
Acq: 20 Apr 2020 11:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.1	12.1

Manual Integrations
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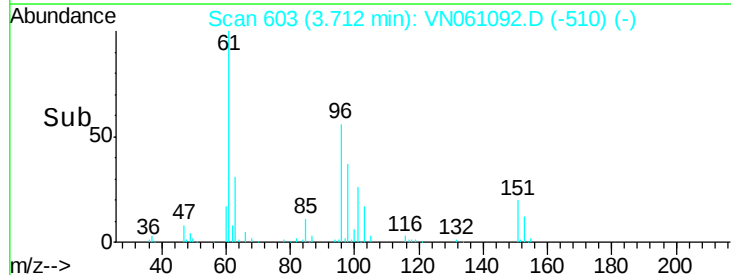
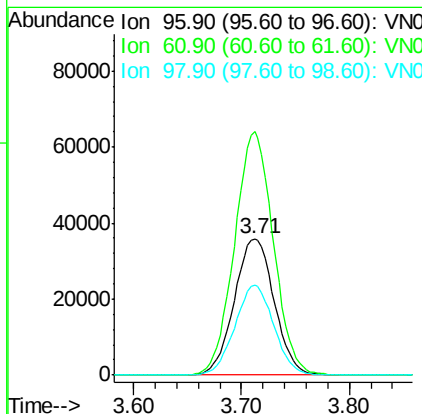
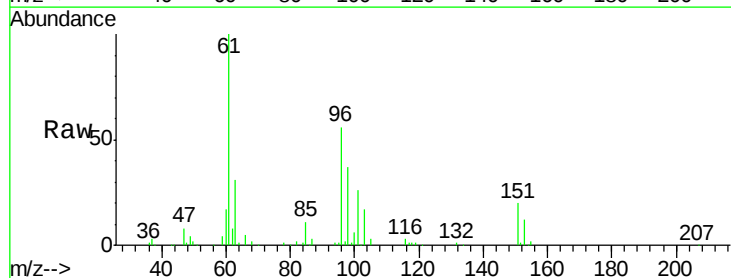
MMDadoda
4/21/2020 11:59:57 AM

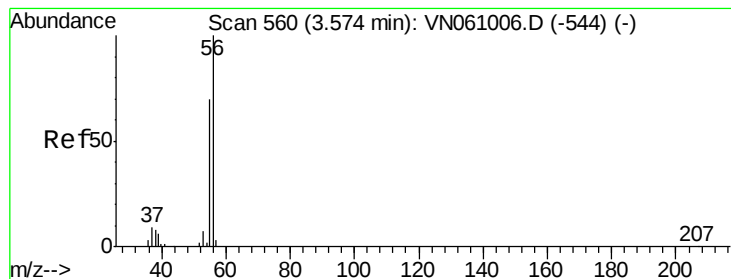


#12

1,1-Dichloroethene
Concen: 49.085 ug/l
RT: 3.71 min Scan# 603
Delta R.T. 0.00 min
Lab File: VN061092.D
Acq: 20 Apr 2020 11:00

Tgt Ion	Ratio	Lower	Upper
96	100		
61	178.1	139.2	208.8
98	66.3	50.0	75.0





#13

Acrolein

Concen: 240.322 ug/l

RT: 3.57 min Scan# 559

Delta R.T. -0.00 min

Lab File: VN061092.D

Acq: 20 Apr 2020 11:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 79208

Ion Ratio Lower Upper

56 100

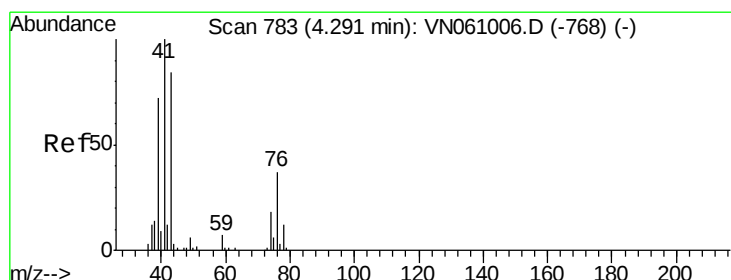
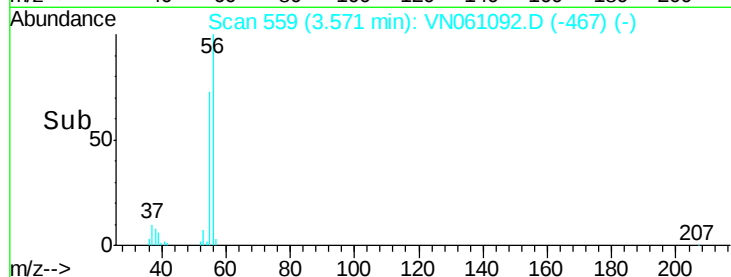
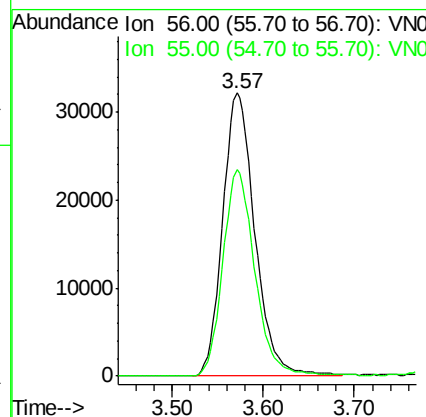
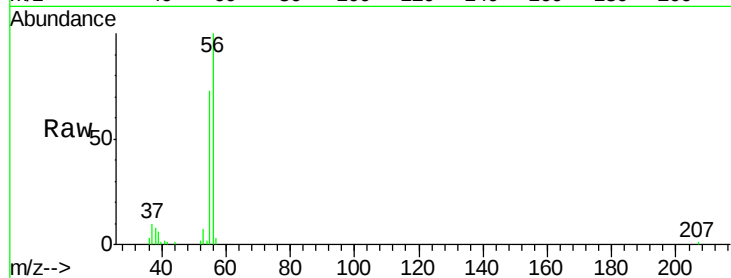
55 72.0 57.0 85.6

Manual Integrations

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#14

Allyl chloride

Concen: 48.100 ug/l

RT: 4.29 min Scan# 783

Delta R.T. 0.00 min

Lab File: VN061092.D

Acq: 20 Apr 2020 11:00

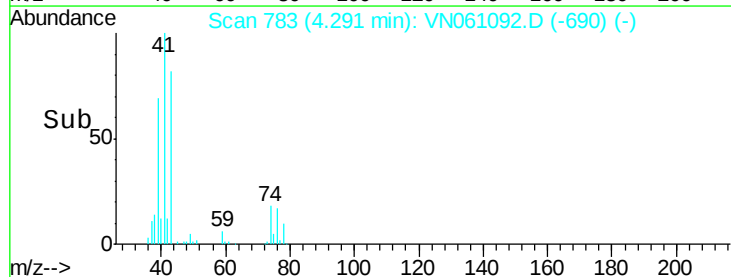
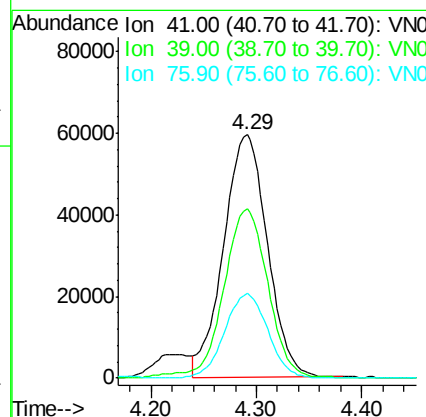
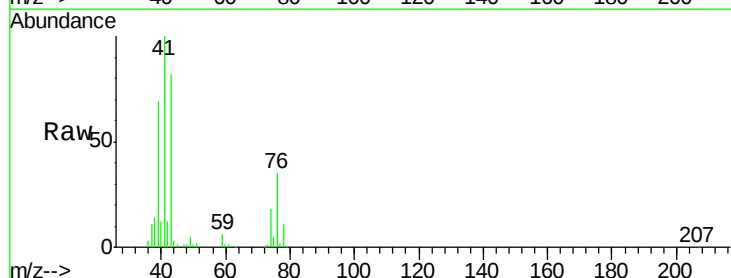
Tgt Ion: 41 Resp: 171257

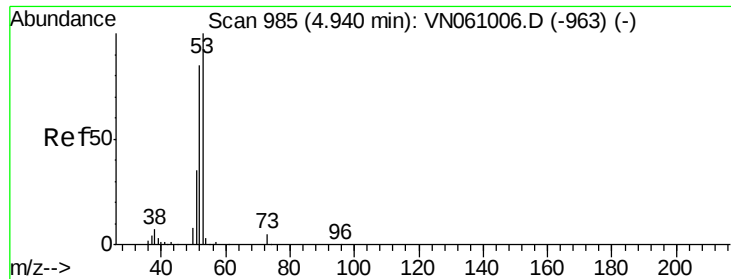
Ion Ratio Lower Upper

41 100

39 70.9 56.3 84.5

76 34.4 27.7 41.5





#15

Acrylonitrile

Concen: 267.294 ug/l

RT: 4.94 min Scan# 984

Delta R.T. -0.00 min

Lab File: VN061092.D

Acq: 20 Apr 2020 11:00

Instrument :

MSVOA_N

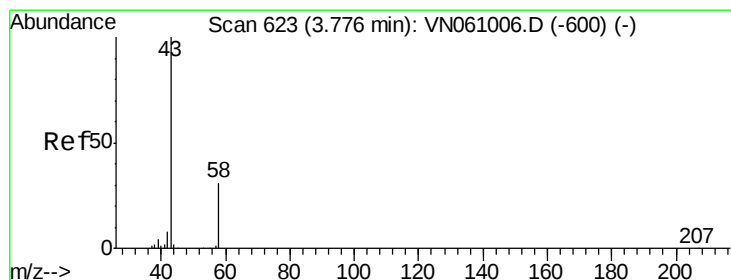
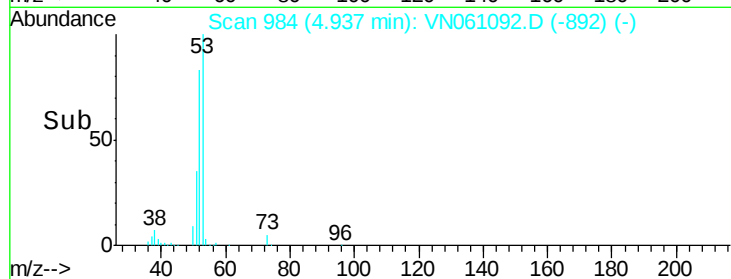
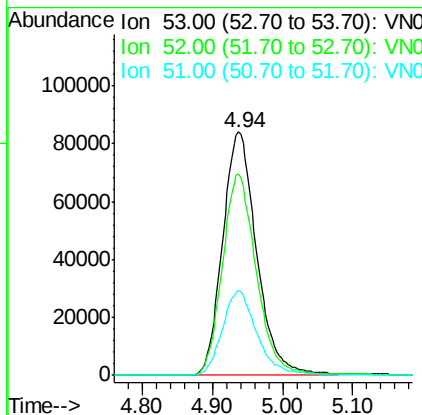
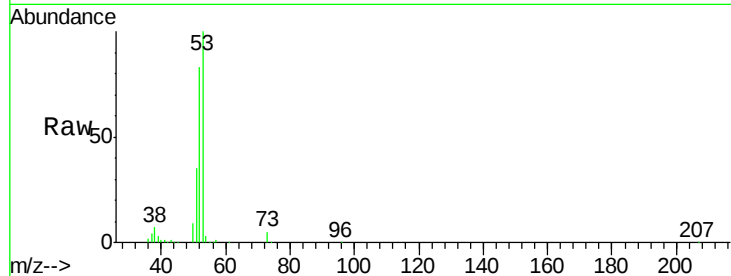
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	282902
Ion Ratio		Lower	Upper
53	100		
52	82.8	66.8	100.2
51	35.3	28.9	43.3

Manual Integrations
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#16

Acetone

Concen: 317.659 ug/l

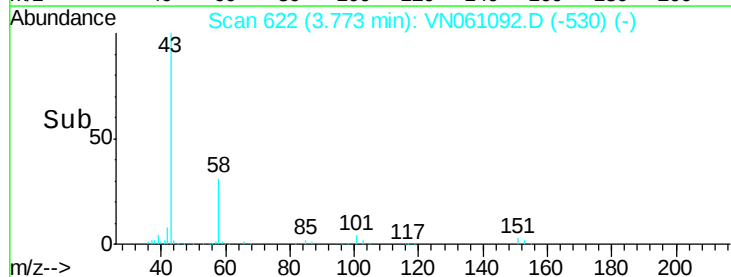
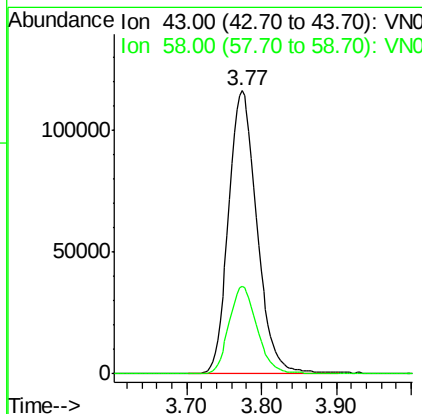
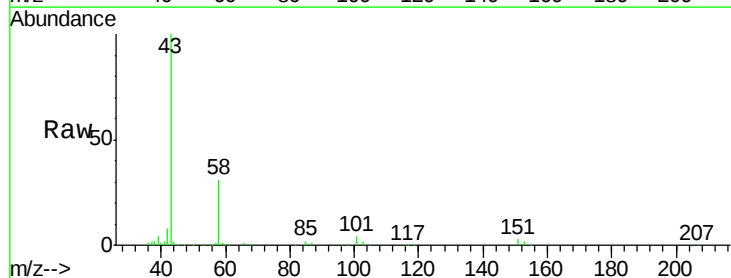
RT: 3.77 min Scan# 622

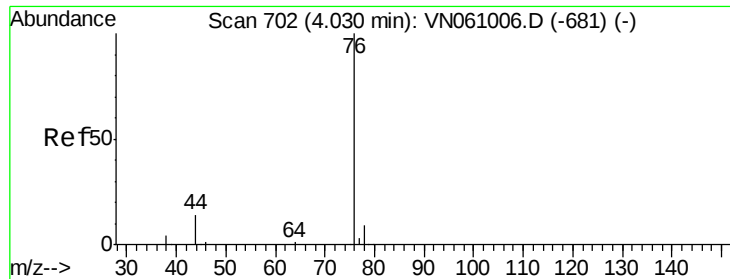
Delta R.T. -0.00 min

Lab File: VN061092.D

Acq: 20 Apr 2020 11:00

Tgt Ion:	43	Resp:	307611
Ion Ratio		Lower	Upper
43	100		
58	31.0	24.6	37.0





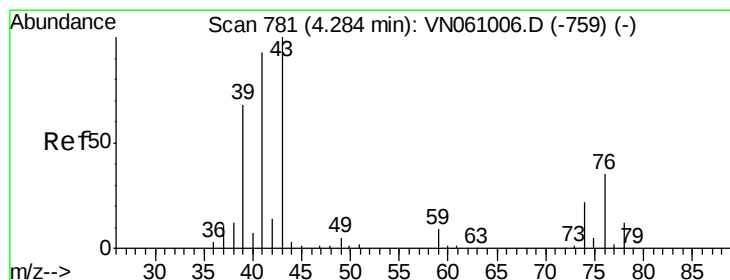
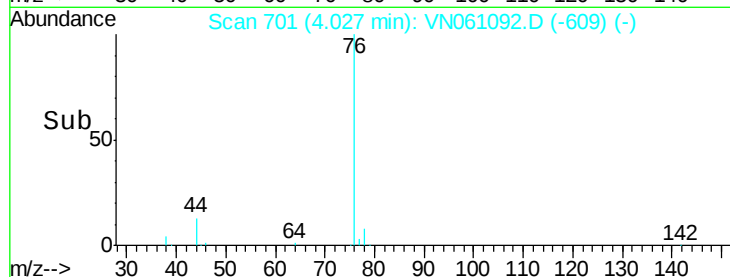
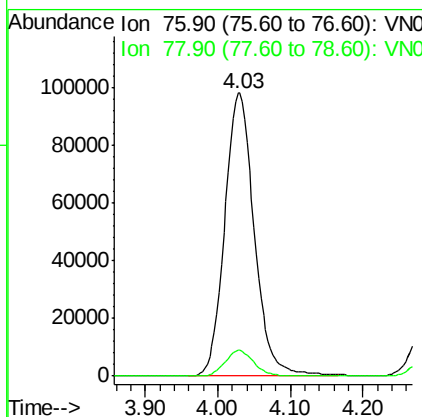
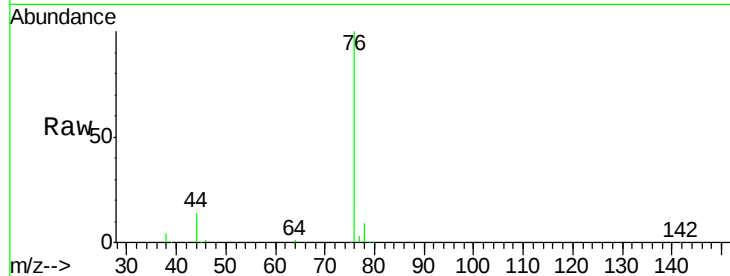
#17
Carbon Disulfide
Concen: 47.298 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN061092.D
Acq: 20 Apr 2020 11:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.6	11.4

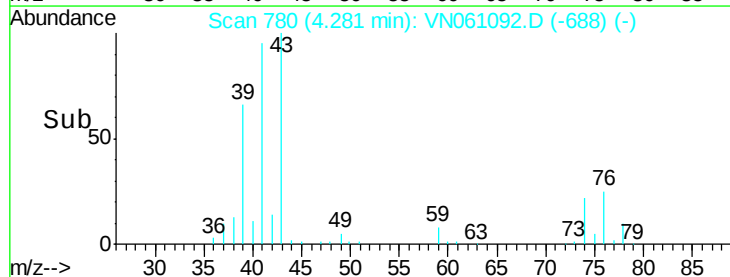
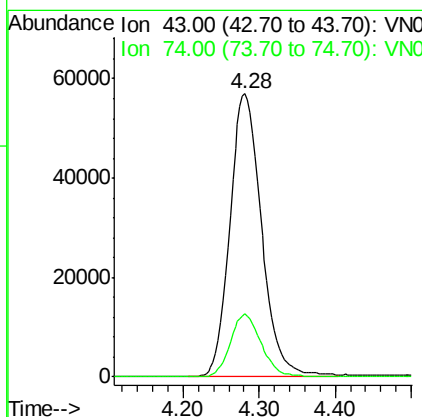
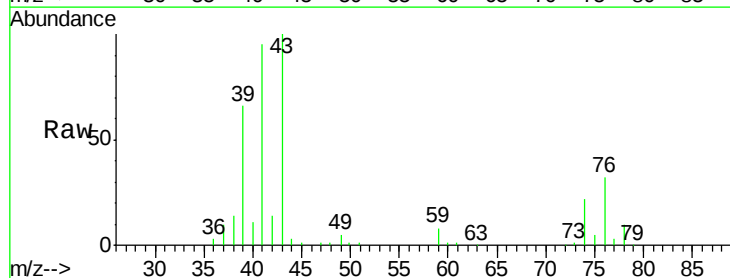
Manual Integrations
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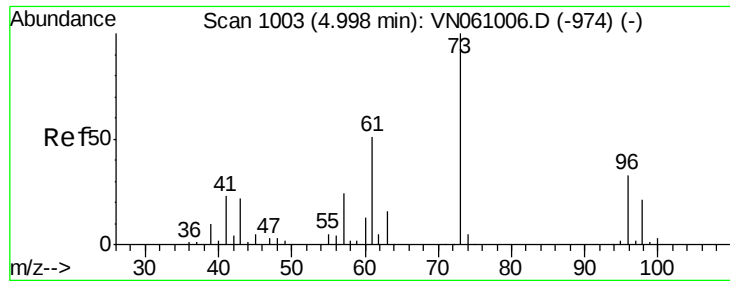
MMDadoda
4/21/2020 11:59:57 AM



#18
Methyl Acetate
Concen: 54.493 ug/l
RT: 4.28 min Scan# 780
Delta R.T. -0.00 min
Lab File: VN061092.D
Acq: 20 Apr 2020 11:00

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.5	17.4	26.0





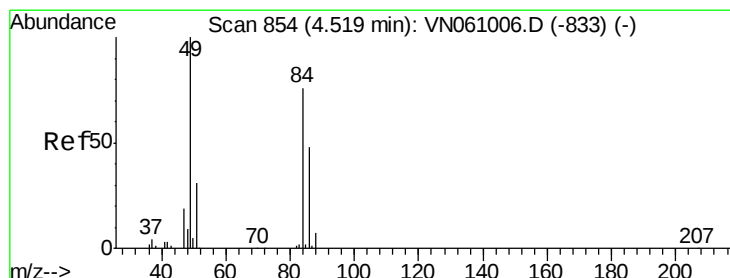
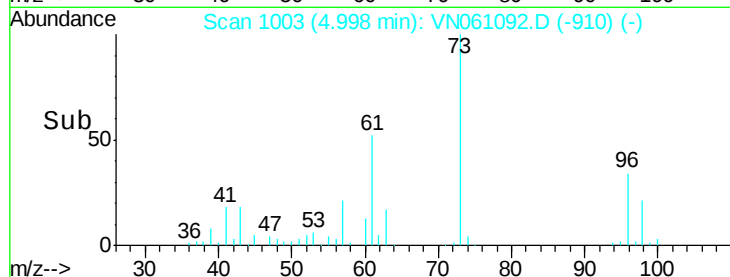
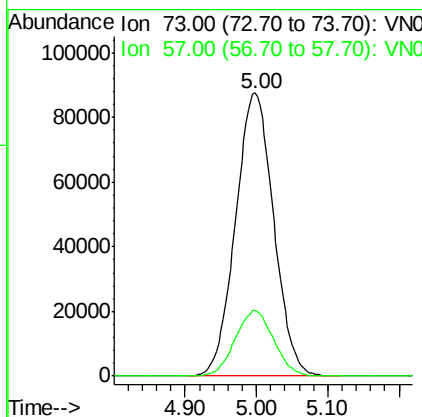
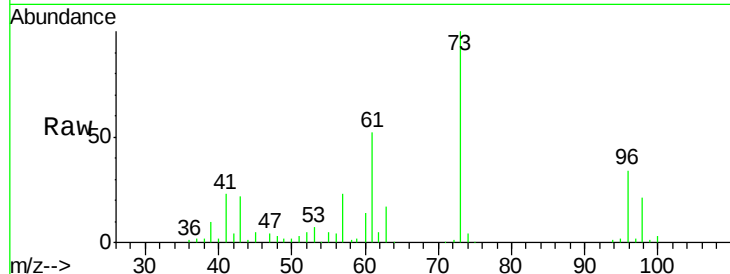
#19
Methvl tert-butvl Ether
Concen: 49.603 ug/l
RT: 5.00 min Scan# 1003
Delta R.T. 0.00 min
Lab File: VN061092.D
Acq: 20 Apr 2020 11:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 325460
Ion Ratio Lower Upper
73 100
57 23.2 19.0 28.4

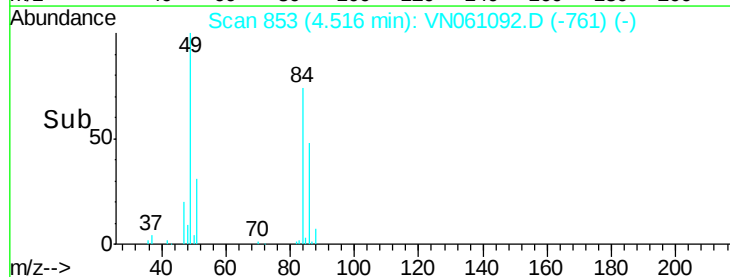
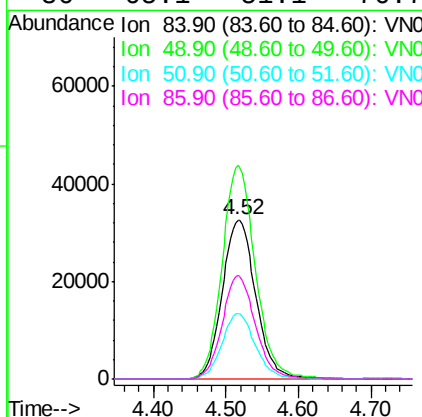
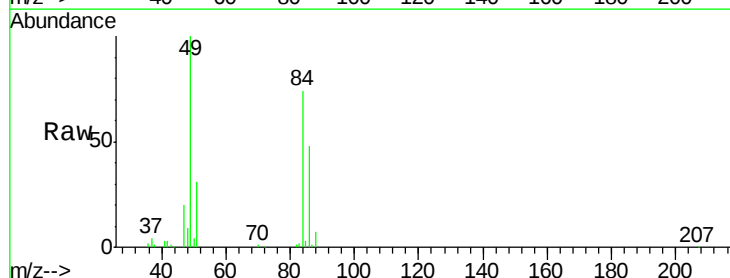
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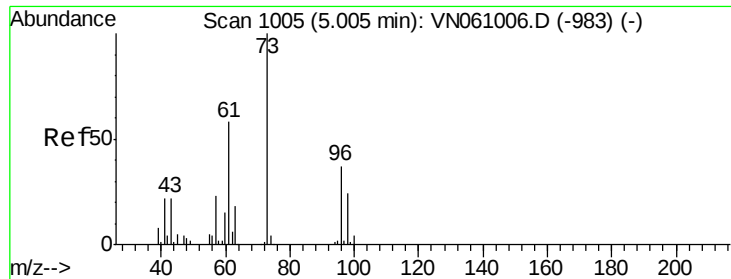
MMDadoda
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#20
Methylene Chloride
Concen: 49.497 ug/l
RT: 4.52 min Scan# 853
Delta R.T. -0.00 min
Lab File: VN061092.D
Acq: 20 Apr 2020 11:00

Tgt Ion: 84 Resp: 104650
Ion Ratio Lower Upper
84 100
49 134.3 105.8 158.6
51 41.3 32.4 48.6
86 65.1 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 49.108 ug/l

RT: 5.00 min Scan# 1005

Delta R.T. 0.00 min

Lab File: VN061092.D

Acq: 20 Apr 2020 11:00

Instrument :

MSVOA_N

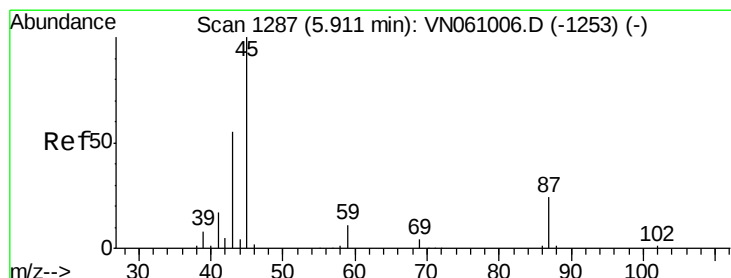
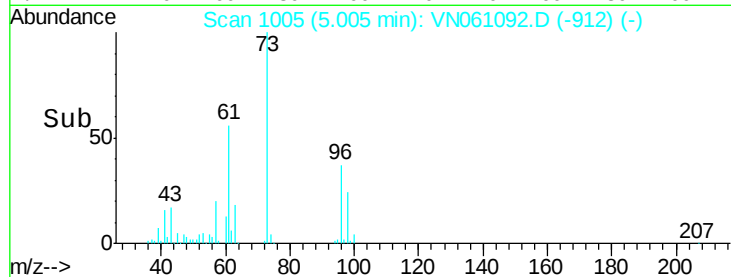
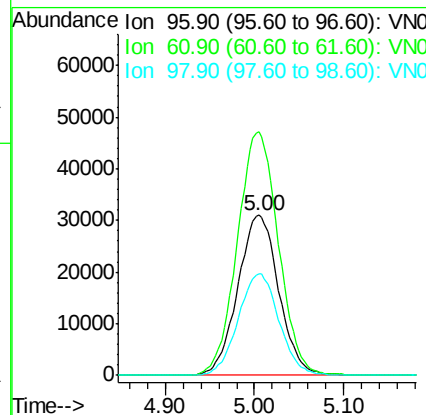
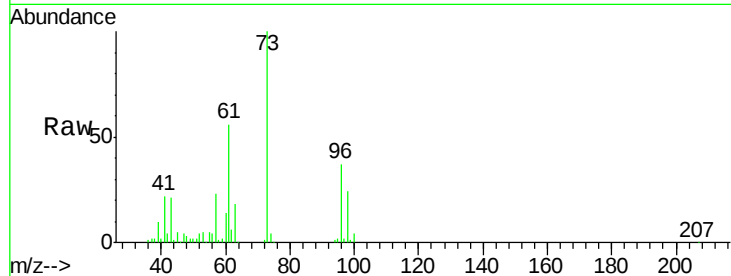
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	98838
Ion	Ratio	Lower	Upper
96	100		
61	151.9	124.8	187.2
98	63.7	51.3	76.9

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#22

Diisopropyl ether

Concen: 50.906 ug/l

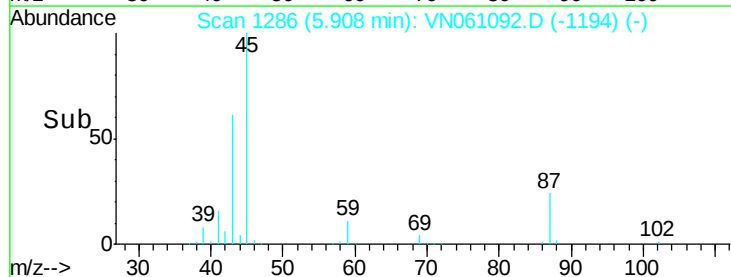
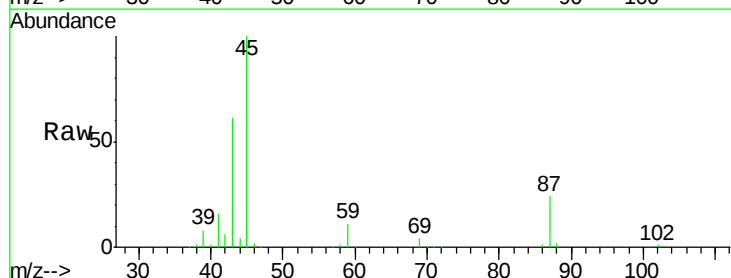
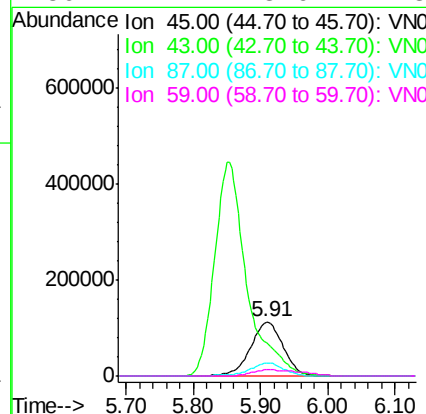
RT: 5.91 min Scan# 1286

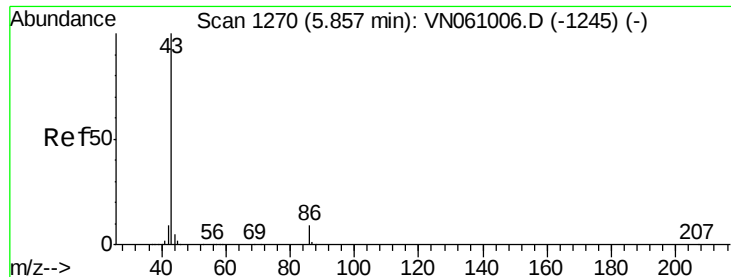
Delta R.T. -0.00 min

Lab File: VN061092.D

Acq: 20 Apr 2020 11:00

Tgt Ion:	45	Resp:	376431
Ion	Ratio	Lower	Upper
45	100		
43	60.7	48.6	72.8
87	24.1	19.4	29.2
59	11.1	8.6	12.8





#23

Vinyl Acetate

Concen: 256.377 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VN061092.D

Acq: 20 Apr 2020 11:00

Instrument :

MSVOA_N

ClientSampleID :

VSTDCCC050

Tot Ion: 43 Resp: 1486641

Ion Ratio Lower Upper

43 100

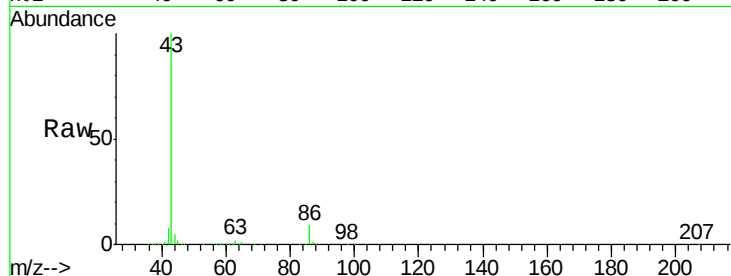
86 8.9 7.3 10.9

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.85

400000

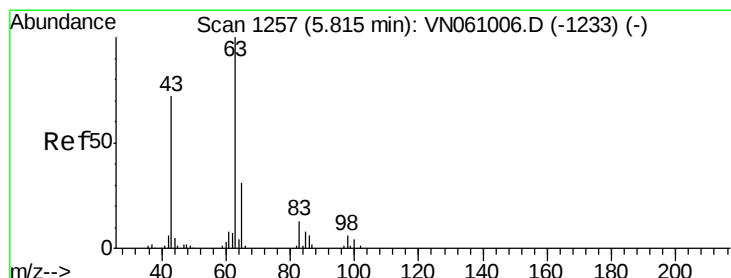
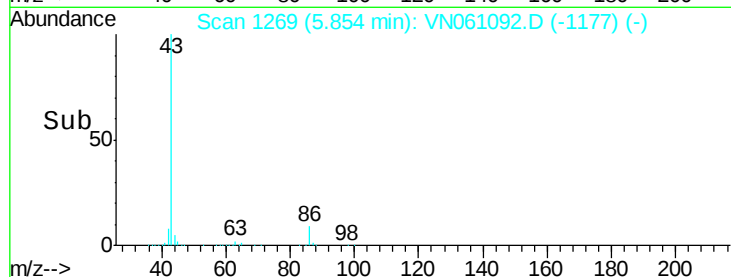
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 49.558 ug/l

RT: 5.81 min Scan# 1256

Delta R.T. -0.00 min

Lab File: VN061092.D

Acq: 20 Apr 2020 11:00

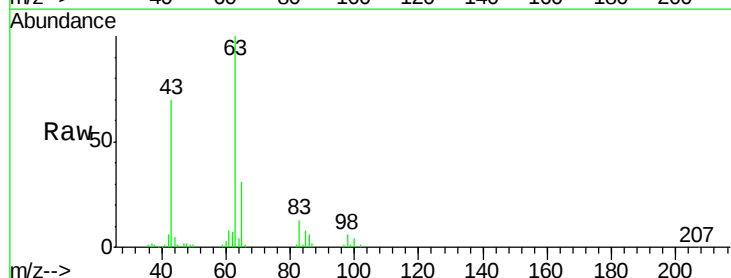
Tgt Ion: 63 Resp: 197926

Ion Ratio Lower Upper

63 100

98 6.3 2.9 8.8

100 3.7 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

80000

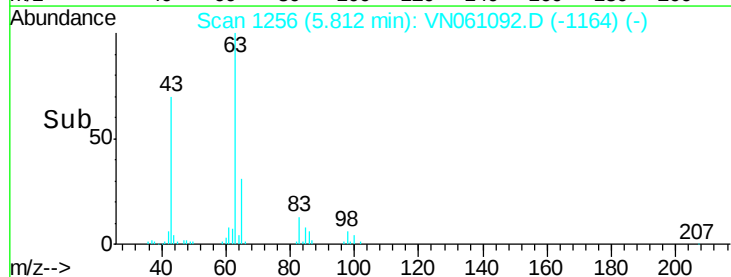
60000

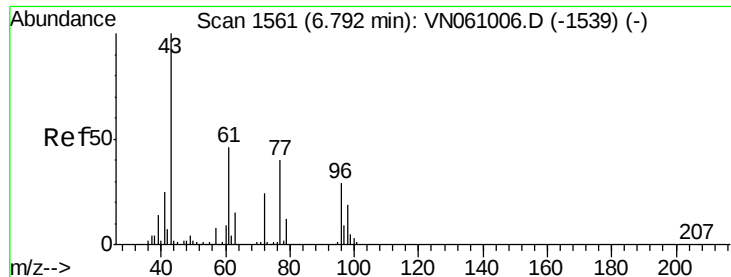
40000

20000

0

Time-->





#25

2-Butanone

Concen: 280.313 ug/l

RT: 6.79 min Scan# 1560

Delta R.T. -0.00 min

Lab File: VN061092.D

Acq: 20 Apr 2020 11:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 415954

Ion Ratio Lower Upper

43 100

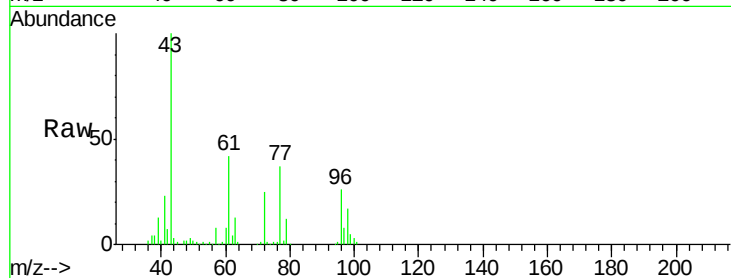
72 24.7 19.6 29.4

Manual Integrations

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MMDadoda

4/21/2020 11:59:57 AM



Abundance Ion 43.00 (42.70 to 43.70): VN061006.D (-1539) (-)

Ion 72.00 (71.70 to 72.70): VN061006.D (-1539) (-)

6.79

150000

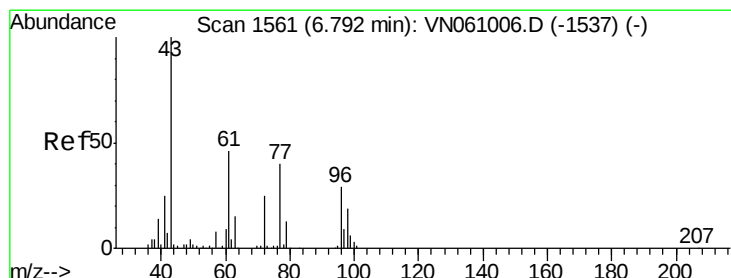
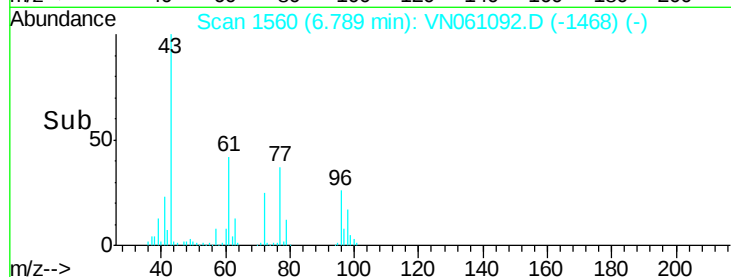
100000

50000

0

6.65 6.70 6.75 6.80 6.85

Time-->



#26

2,2-Dichloropropane

Concen: 51.136 ug/l

RT: 6.79 min Scan# 1560

Delta R.T. -0.00 min

Lab File: VN061092.D

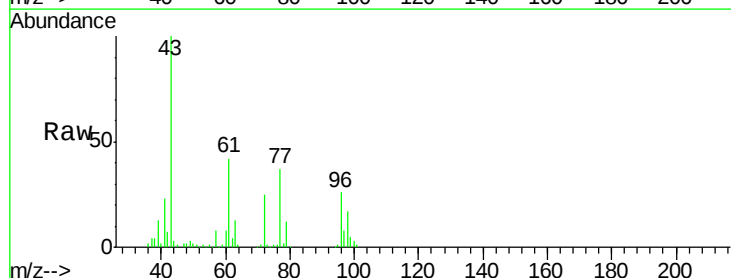
Acq: 20 Apr 2020 11:00

Tgt Ion: 77 Resp: 170044

Ion Ratio Lower Upper

77 100

97 22.0 11.2 33.6



Abundance Ion 76.90 (76.60 to 77.60): VN061006.D (-1537) (-)

Ion 96.90 (96.60 to 97.60): VN061006.D (-1537) (-)

6.79

60000

50000

40000

30000

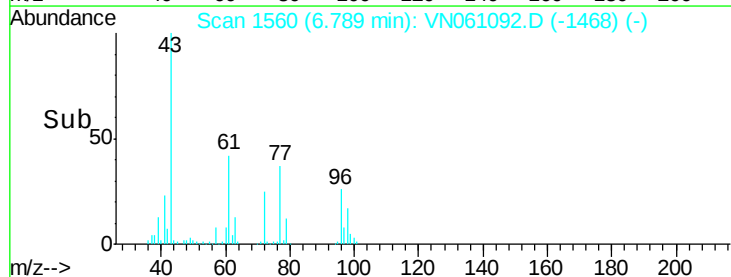
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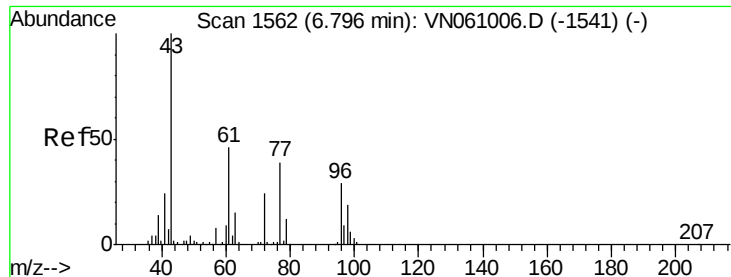
10000

0

6.70 6.80 6.90

Time-->





#27

cis-1,2-Dichloroethene

Concen: 49.401 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN061092.D

Acq: 20 Apr 2020 11:00

Instrument :

MSVOA_N

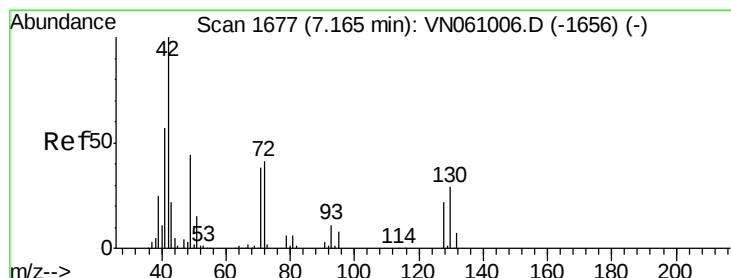
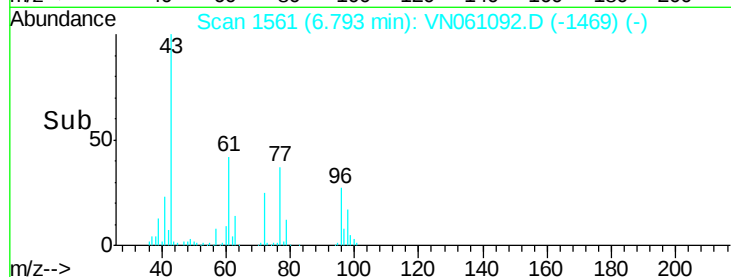
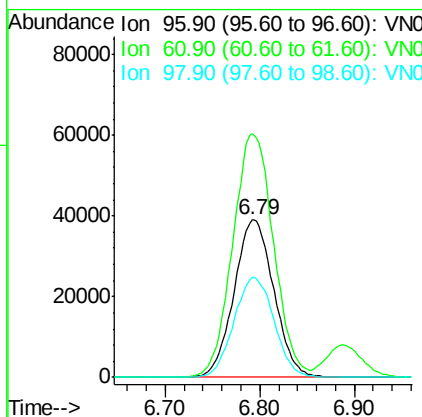
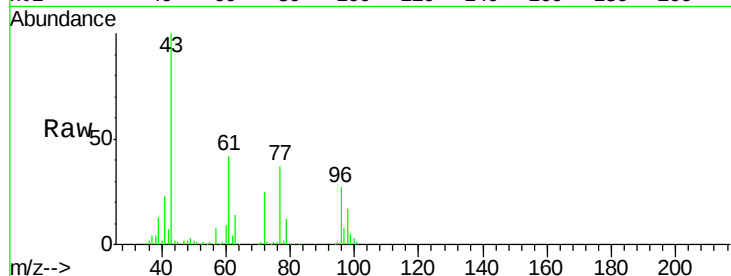
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	114150
Ion	Ratio	Lower	Upper
96	100		
61	158.9	0.0	317.4
98	64.0	0.0	127.8

Manual Integrations
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#28

Bromochloromethane

Concen: 47.506 ug/l

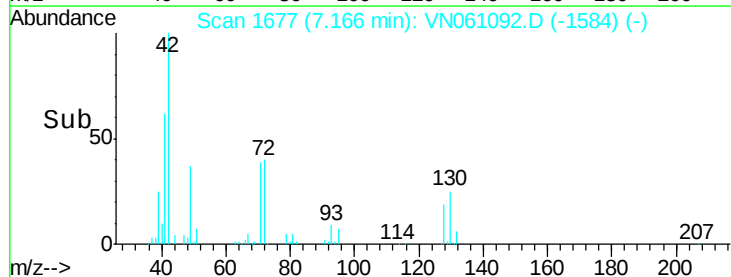
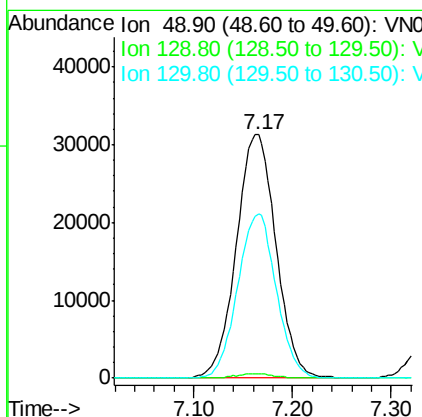
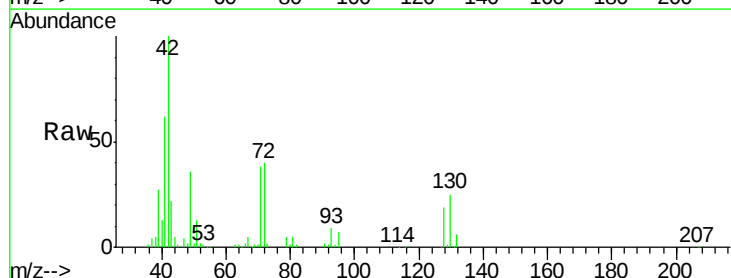
RT: 7.17 min Scan# 1677

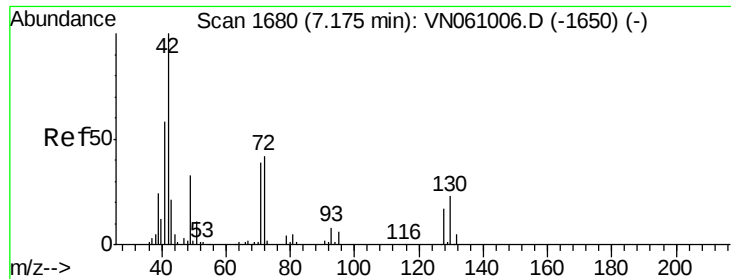
Delta R.T. 0.00 min

Lab File: VN061092.D

Acq: 20 Apr 2020 11:00

Tgt Ion:	49	Resp:	87090
Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.0
130	65.5	52.9	79.3





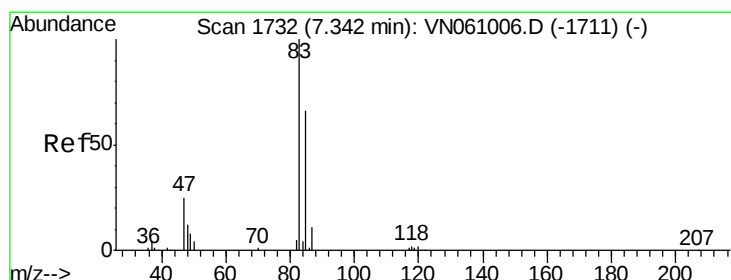
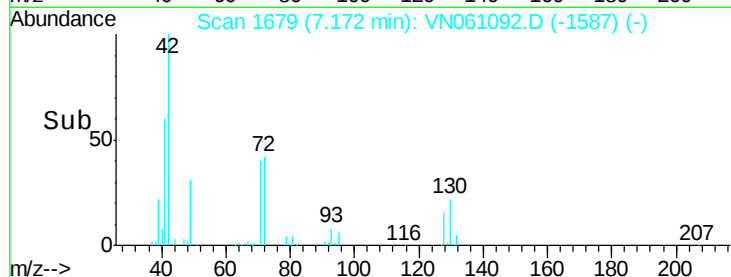
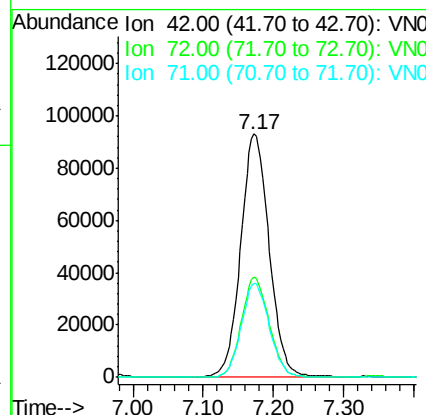
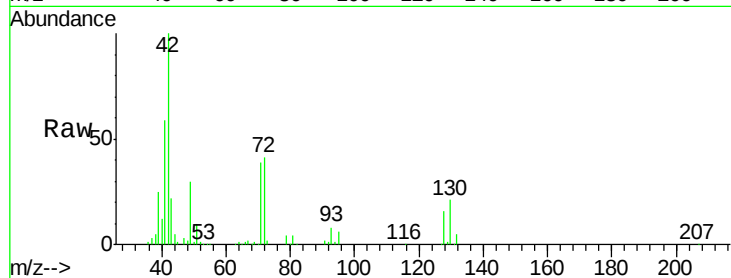
#29
Tetrahydrofuran
Concen: 260.920 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN061092.D
Acq: 20 Apr 2020 11:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.1	32.1	48.1
71	38.0	30.5	45.7

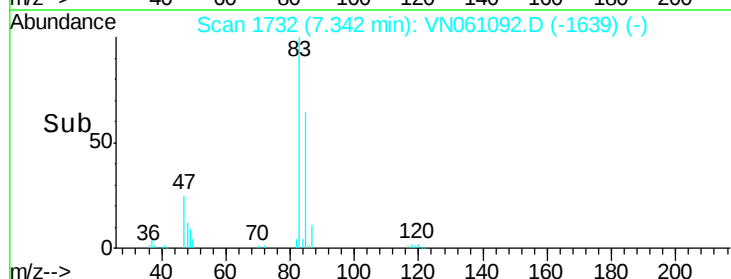
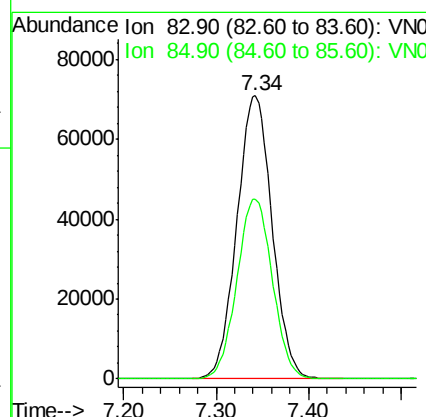
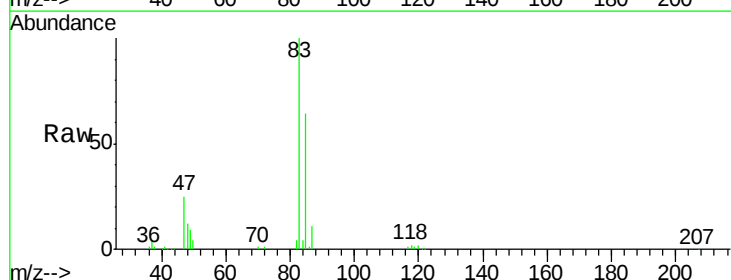
Manual Integrations
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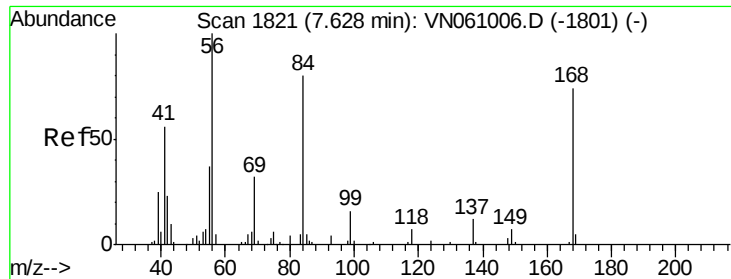
MMDadoda
4/21/2020 11:59:57 AM



#30
Chloroform
Concen: 50.166 ug/l
RT: 7.34 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VN061092.D
Acq: 20 Apr 2020 11:00

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	52.8	79.2





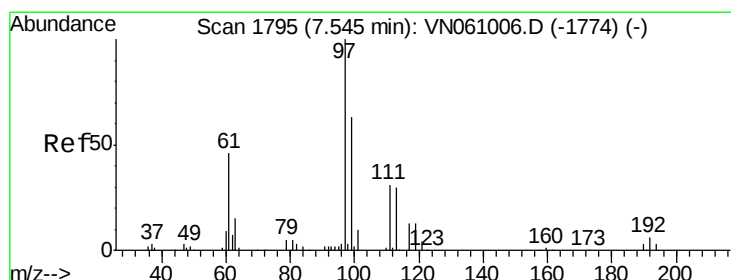
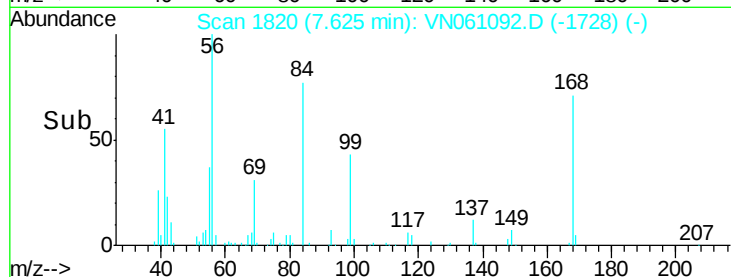
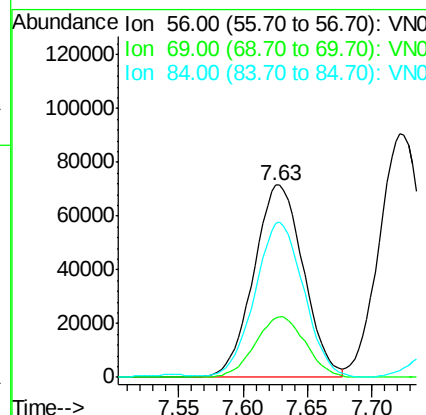
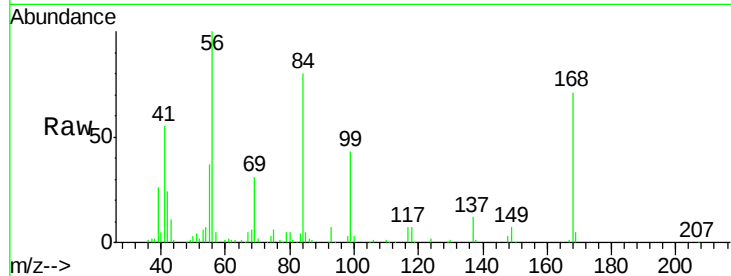
#31
Cyclohexane
Concen: 46.856 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. -0.00 min
Lab File: VN061092.D
Acq: 20 Apr 2020 11:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.0	25.6	38.4
84	79.1	63.4	95.2

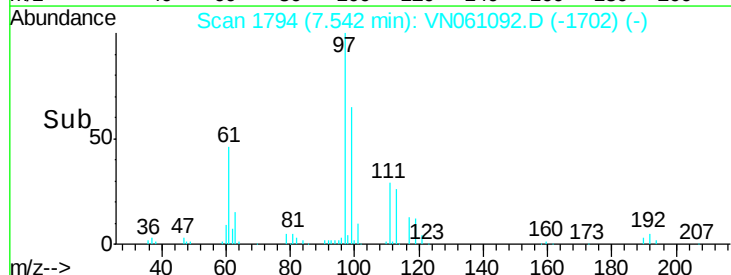
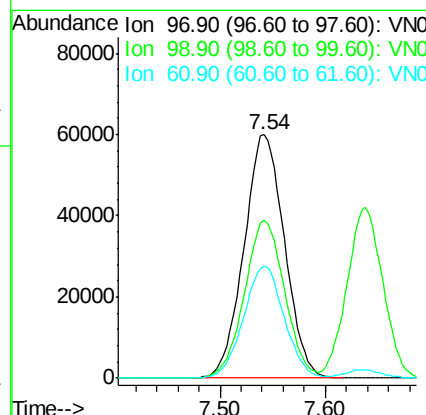
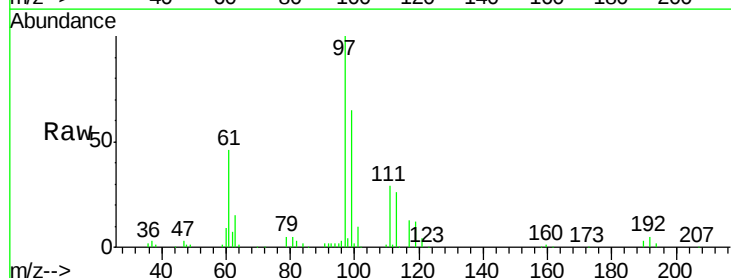
Manual Integrations
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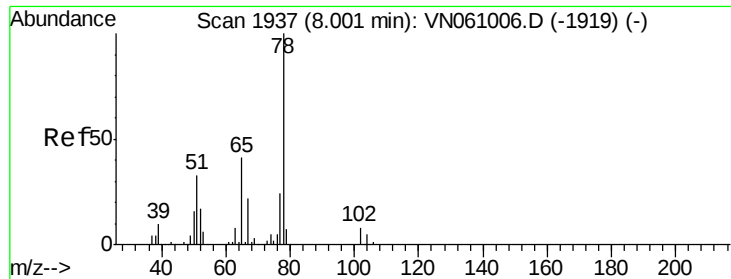
MMDadoda
4/21/2020 11:59:57 AM



#32
1,1,1-Trichloroethane
Concen: 49.777 ug/l
RT: 7.54 min Scan# 1794
Delta R.T. -0.00 min
Lab File: VN061092.D
Acq: 20 Apr 2020 11:00

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.0	76.4
61	46.1	37.0	55.6





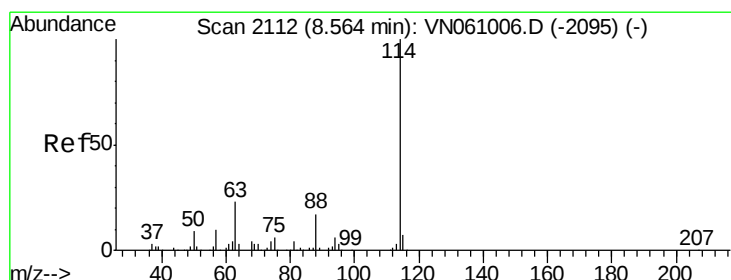
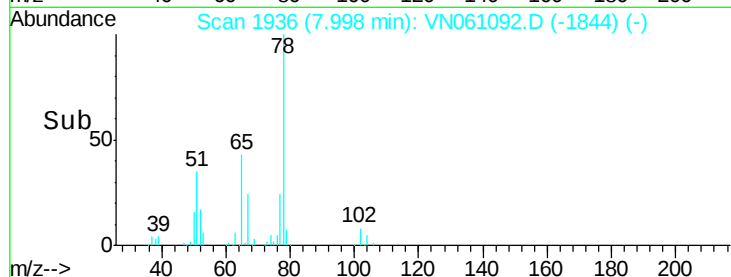
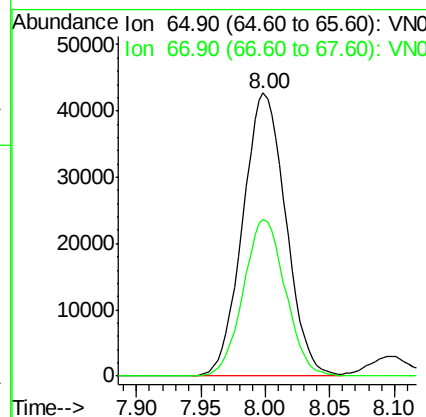
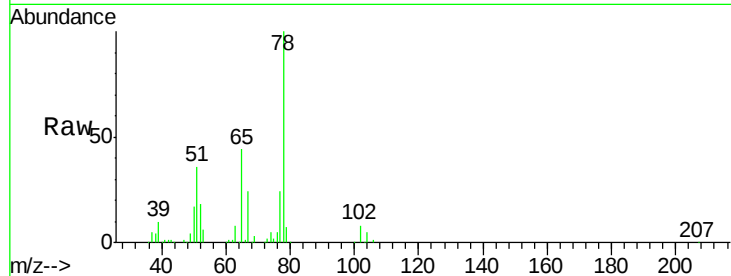
#33
 1,2-Dichloroethane-d4
 Concen: 45.215 ug/l
 RT: 8.00 min Scan# 1936
 Delta R.T. -0.00 min
 Lab File: VN061092.D
 Acq: 20 Apr 2020 11:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.1	0.0	107.0

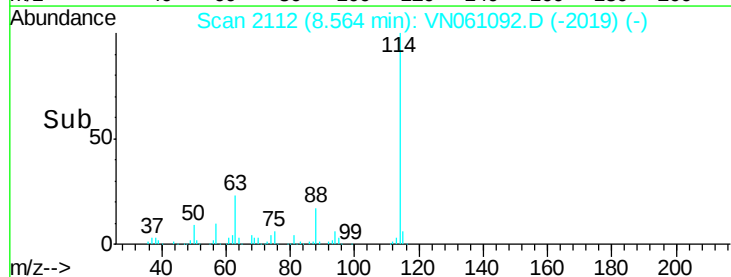
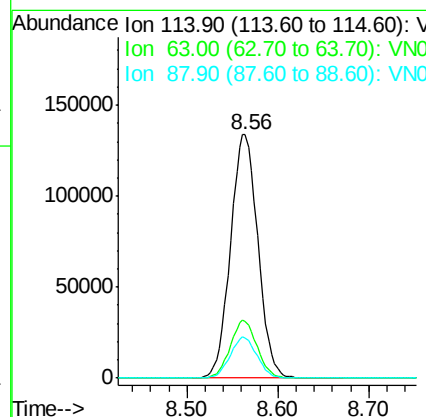
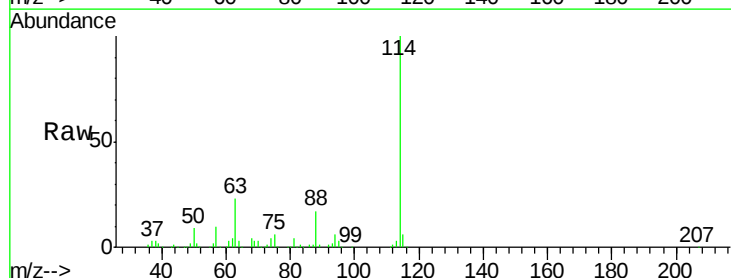
Manual Integrations
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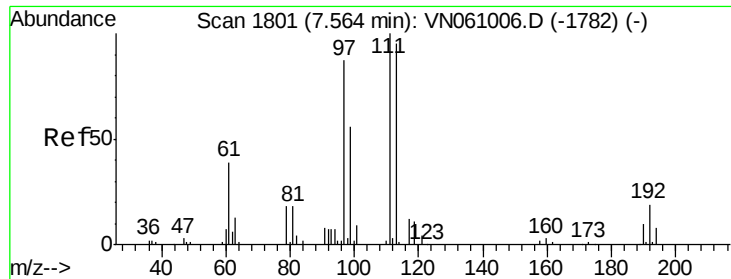
MMDadoda
 4/21/2020 11:59:57 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VN061092.D
 Acq: 20 Apr 2020 11:00

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.4	0.0	46.2
88	16.5	0.0	33.4





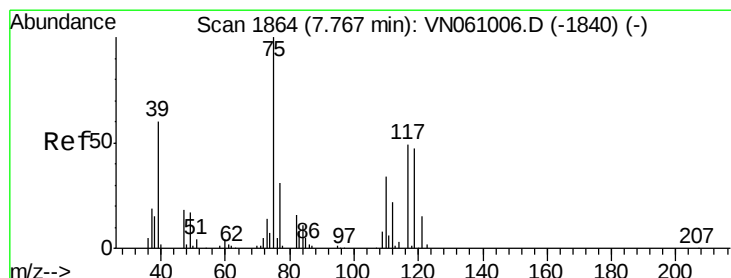
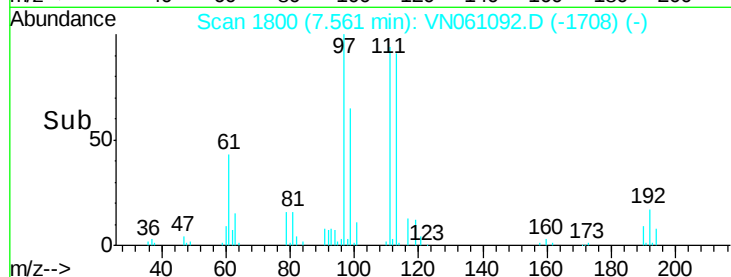
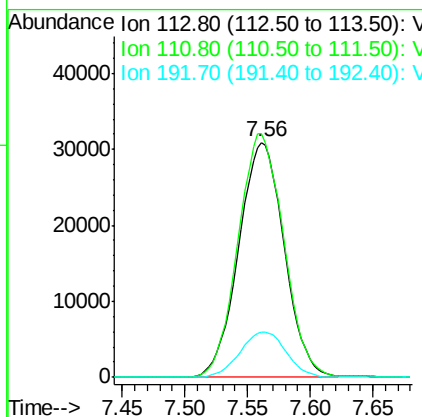
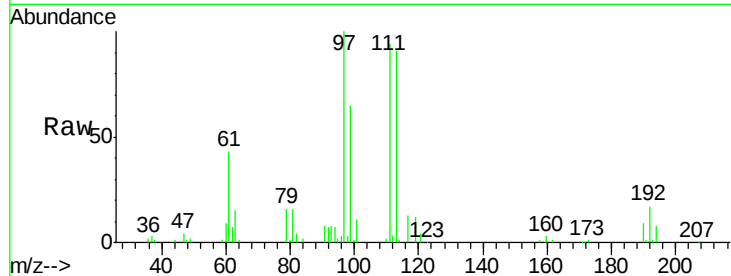
#35
 Dibromofluoromethane
 Concen: 47.898 ug/l
 RT: 7.56 min Scan# 1800
 Delta R.T. -0.00 min
 Lab File: VN061092.D
 Acq: 20 Apr 2020 11:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	78099		
111	104.1		83.4	125.2
192	19.4		15.5	23.3

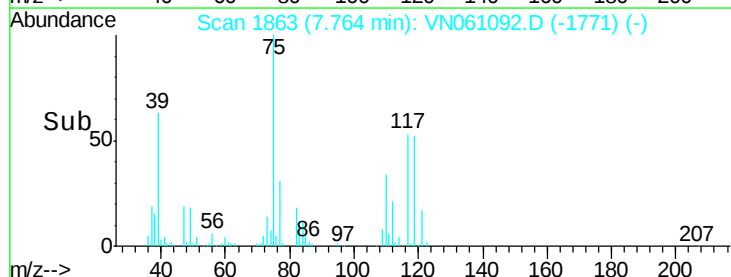
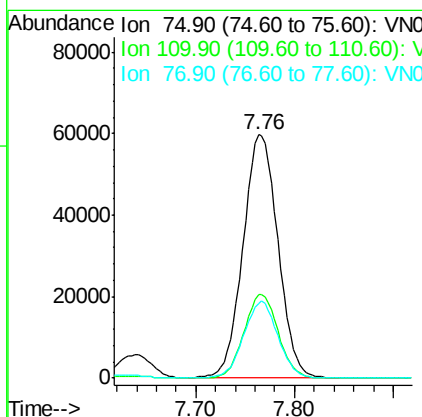
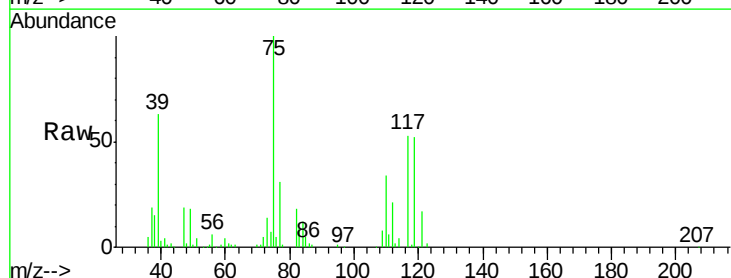
Manual Integrations
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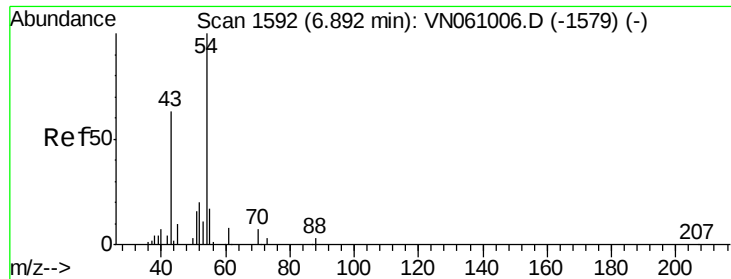
MMDadoda
 4/21/2020 11:59:57 AM



#36
 1,1-Dichloropropene
 Concen: 50.831 ug/l
 RT: 7.76 min Scan# 1863
 Delta R.T. -0.00 min
 Lab File: VN061092.D
 Acq: 20 Apr 2020 11:00

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	146453		
110	33.4		16.8	50.3
77	30.9		24.7	37.1





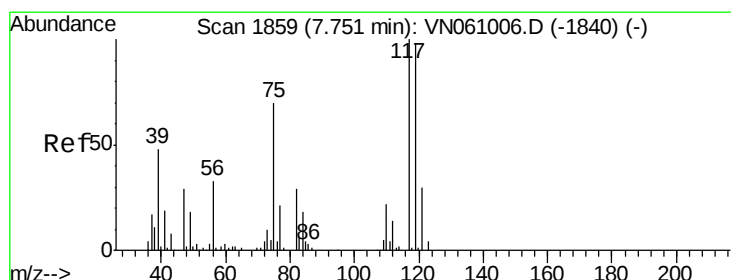
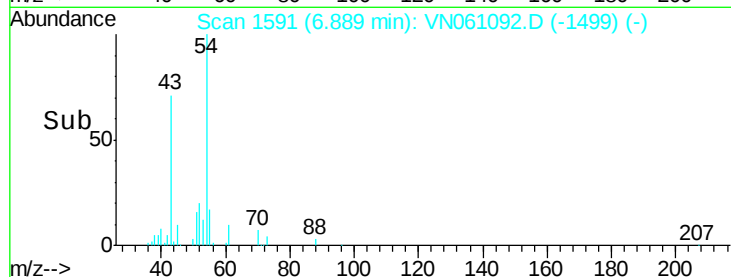
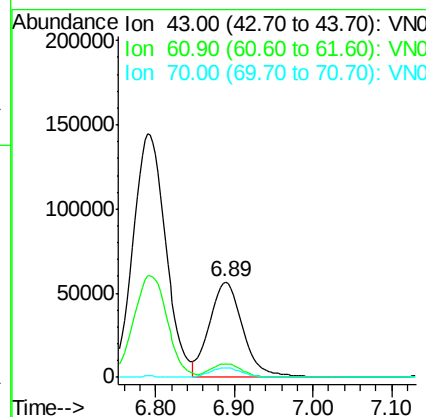
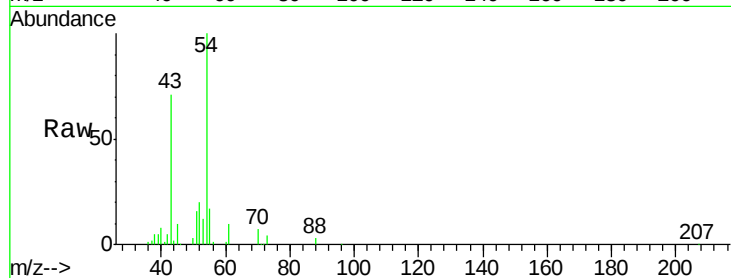
#37
Ethyl Acetate
Concen: 52.906 ug/l
RT: 6.89 min Scan# 1591
Delta R.T. -0.00 min
Lab File: VN061092.D
Acq: 20 Apr 2020 11:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.9	16.3
70	9.5	7.7	11.5

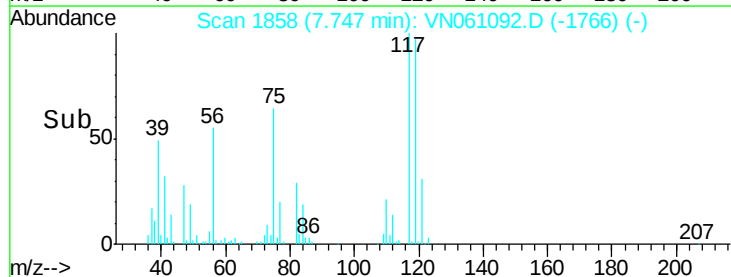
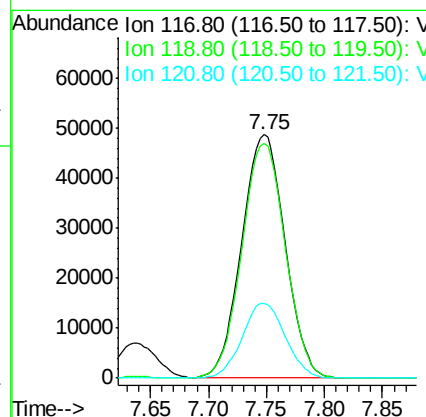
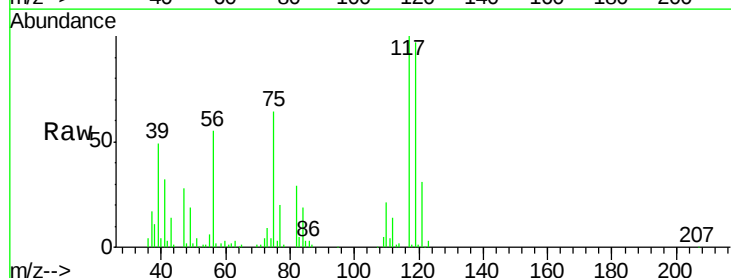
Manual Integrations
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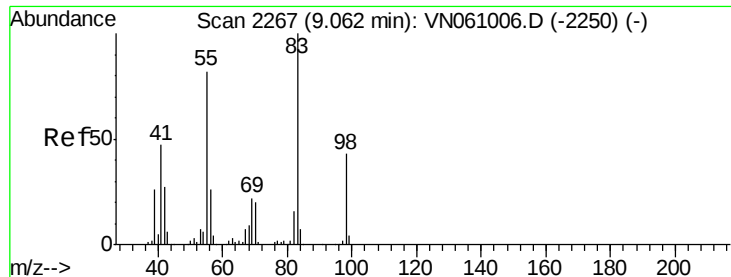
MMDadoda
4/21/2020 11:59:57 AM



#38
Carbon Tetrachloride
Concen: 52.962 ug/l
RT: 7.75 min Scan# 1858
Delta R.T. -0.00 min
Lab File: VN061092.D
Acq: 20 Apr 2020 11:00

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.5	78.1	117.1
121	30.7	24.0	36.0





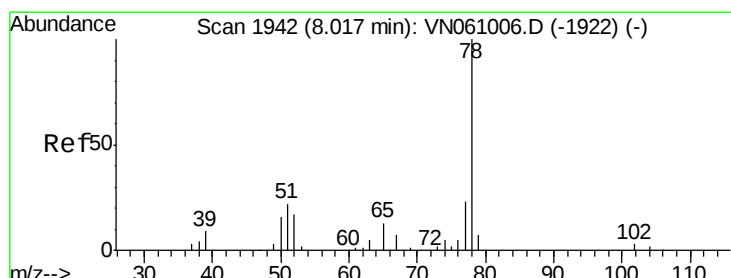
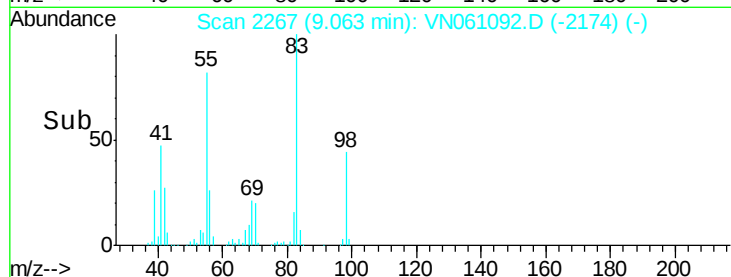
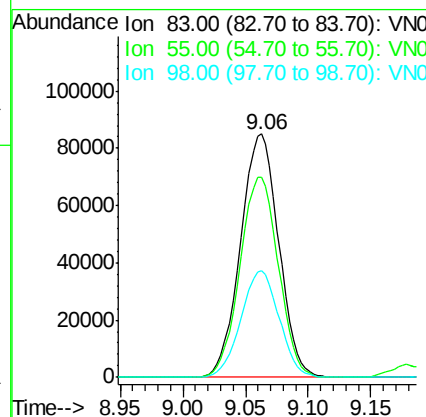
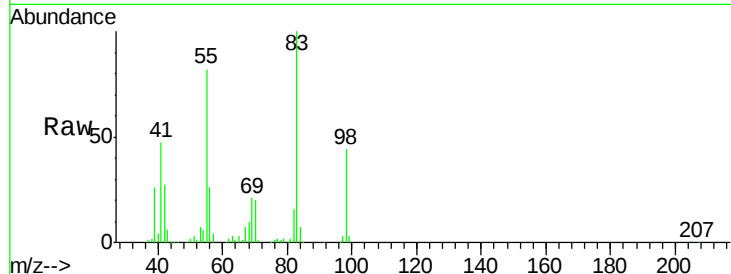
#39
Methvlcvclohexane
Concen: 52.323 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. 0.00 min
Lab File: VN061092.D
Acq: 20 Apr 2020 11:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	82.1	65.4	98.0	
98	43.8	34.6	51.8	

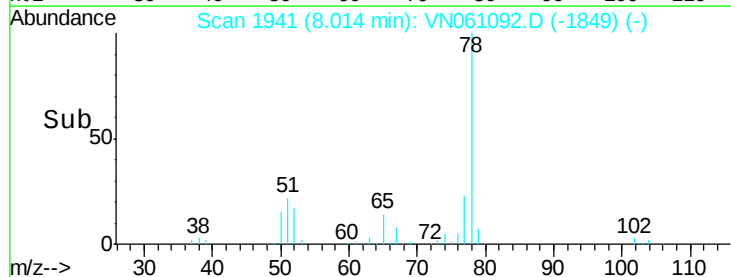
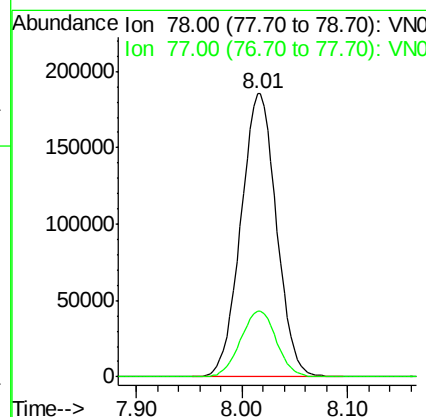
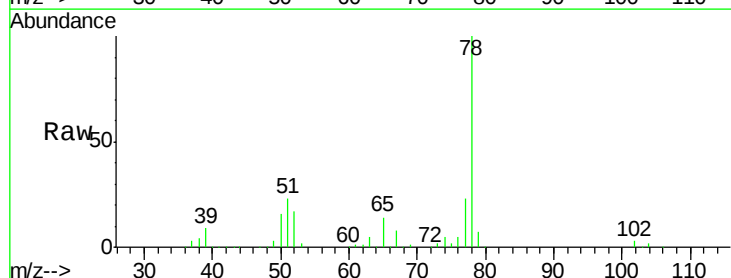
Manual Integrations
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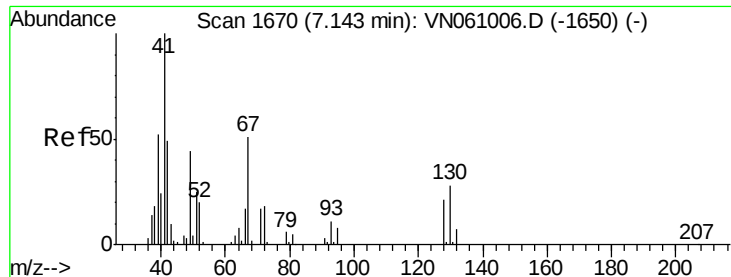
MMDadoda
4/21/2020 11:59:57 AM



#40
Benzene
Concen: 50.829 ug/l
RT: 8.01 min Scan# 1941
Delta R.T. -0.00 min
Lab File: VN061092.D
Acq: 20 Apr 2020 11:00

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.2	18.8	28.2	





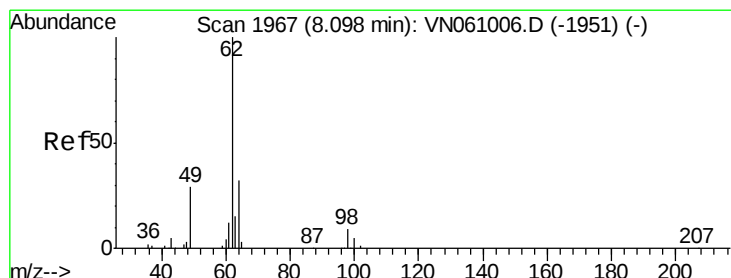
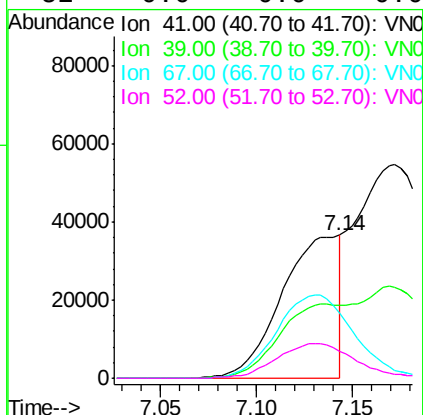
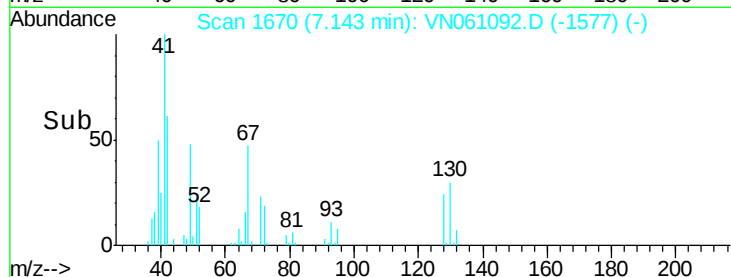
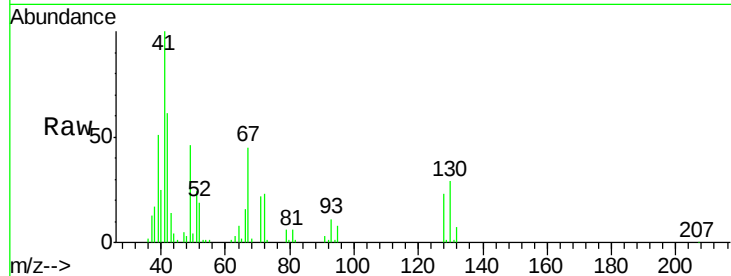
#41
Methacrylonitrile
Concen: 58.697 ug/l m
RT: 7.14 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VN061092.D
Acq: 20 Apr 2020 11:00

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		76593		
39	0.0	0.0	0.0		
67	0.0	0.0	0.0		
52	0.0	0.0	0.0		

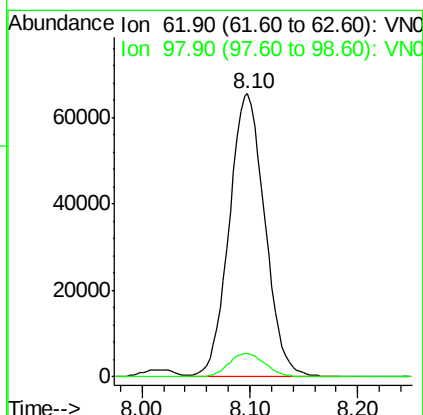
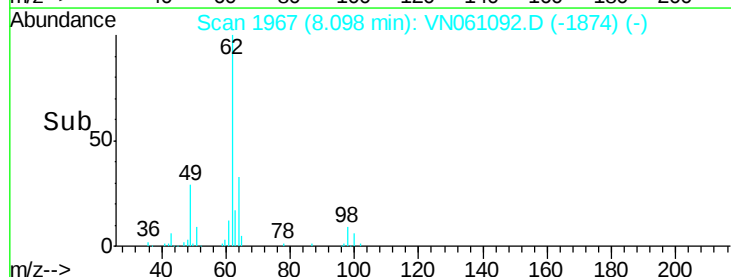
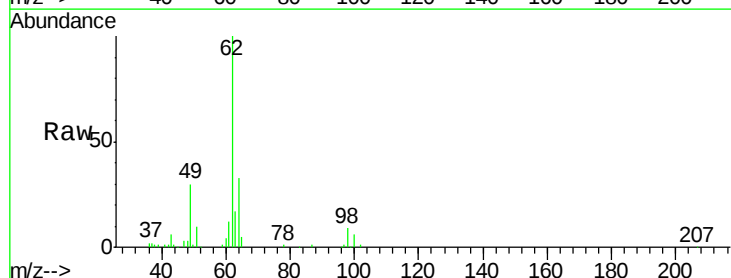
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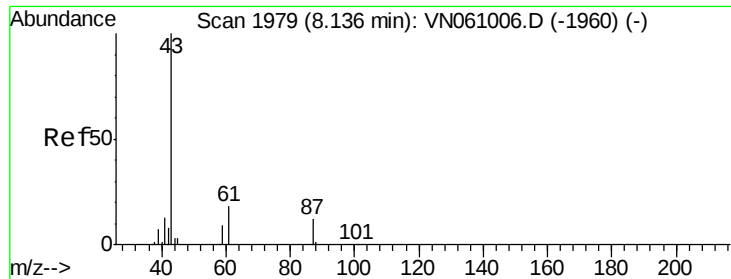
MMDadoda
4/21/2020 11:59:57 AM



#42
1,2-Dichloroethane
Concen: 51.689 ug/l
RT: 8.10 min Scan# 1967
Delta R.T. 0.00 min
Lab File: VN061092.D
Acq: 20 Apr 2020 11:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		150505		
98	8.5	0.0	17.2		





#43

Isopropyl Acetate

Concen: 52.929 ug/l

RT: 8.13 min Scan# 1978

Delta R.T. -0.00 min

Lab File: VN061092.D

Acq: 20 Apr 2020 11:00

Instrument :

MSVOA_N

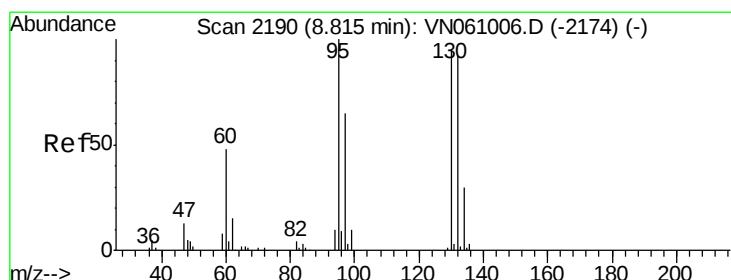
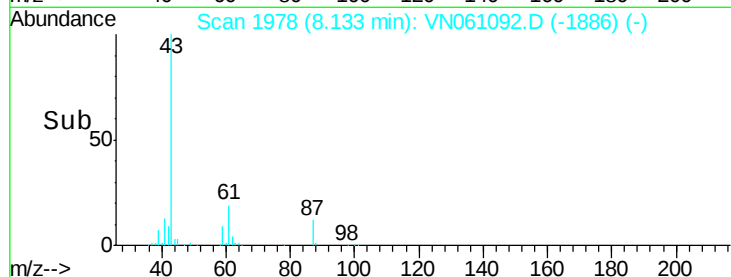
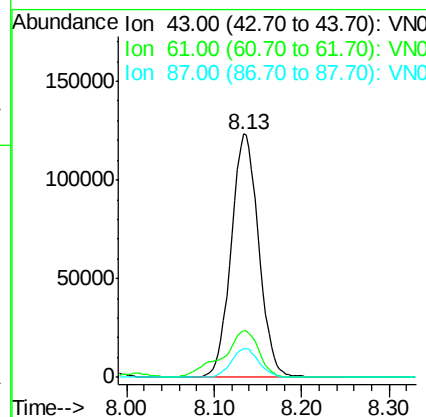
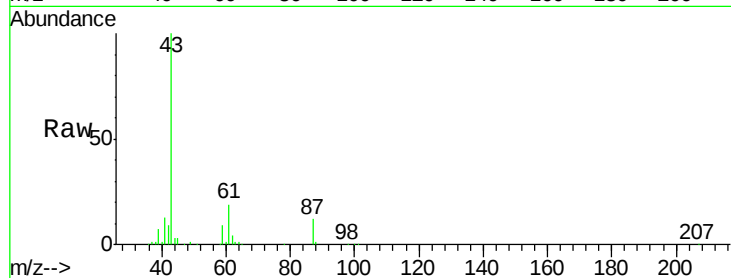
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	269307
Ion	Ratio	Lower	Upper
43	100		
61	25.3	20.3	30.5
87	11.8	9.4	14.2

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4/21/2020 11:59:57 AM



#44

Trichloroethene

Concen: 50.903 ug/l

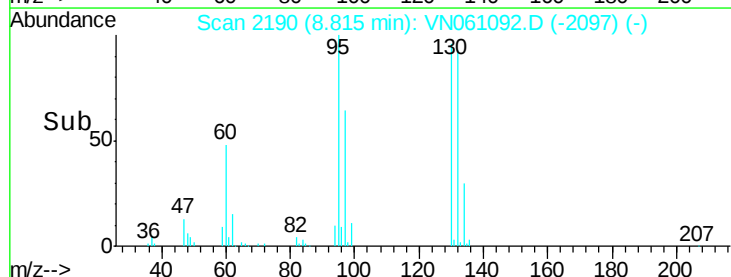
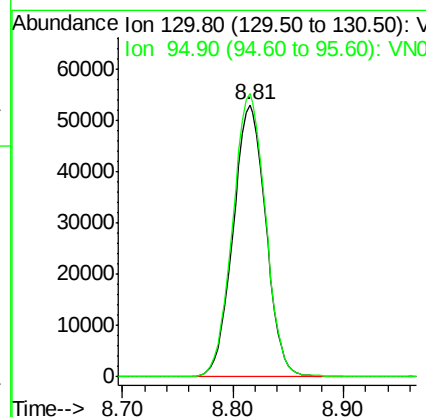
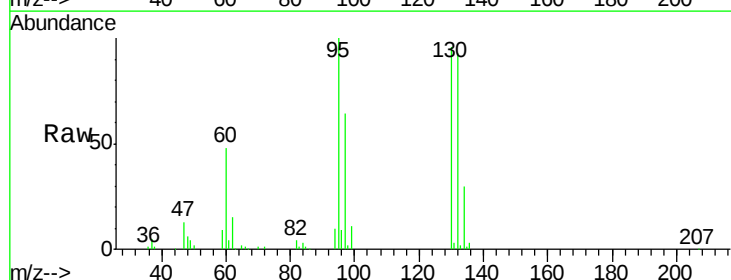
RT: 8.81 min Scan# 2190

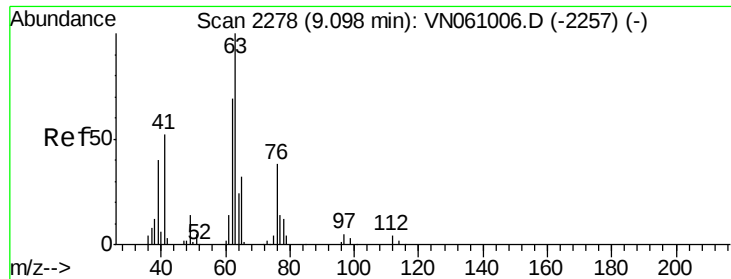
Delta R.T. 0.00 min

Lab File: VN061092.D

Acq: 20 Apr 2020 11:00

Tgt Ion:	130	Resp:	109327
Ion	Ratio	Lower	Upper
130	100		
95	104.0	0.0	210.0





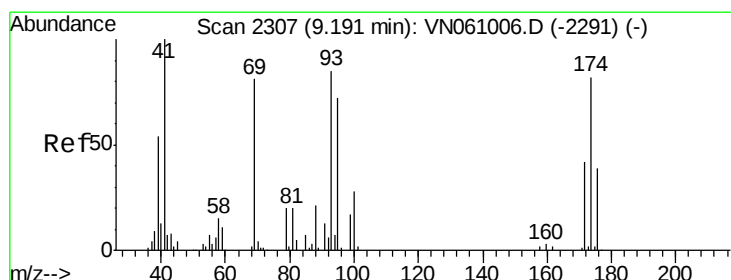
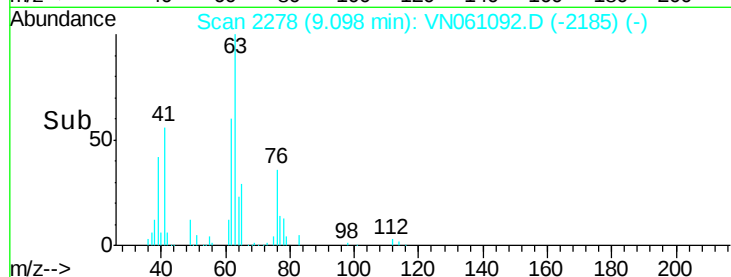
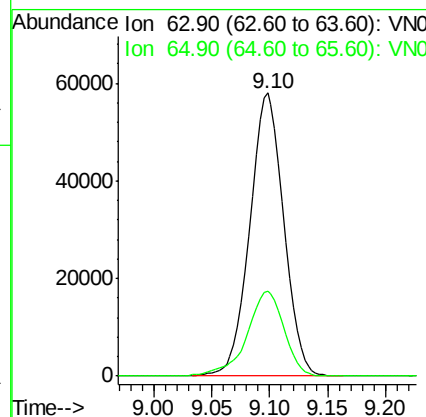
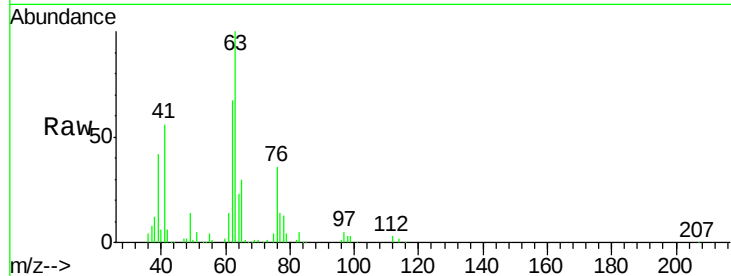
#45
 1,2-Dichloropropane
 Concen: 51.387 ug/l
 RT: 9.10 min Scan# 2278
 Delta R.T. 0.00 min
 Lab File: VN061092.D
 Acq: 20 Apr 2020 11:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 118637
 Ion Ratio Lower Upper
 63 100
 65 30.2 25.2 37.8

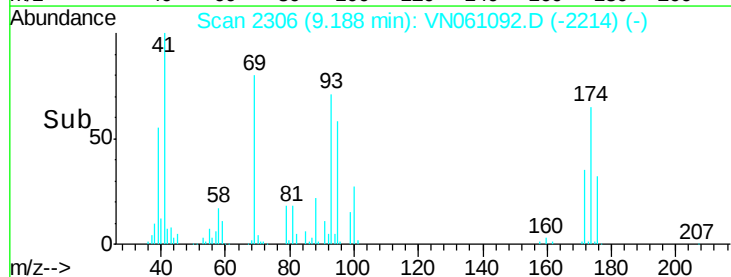
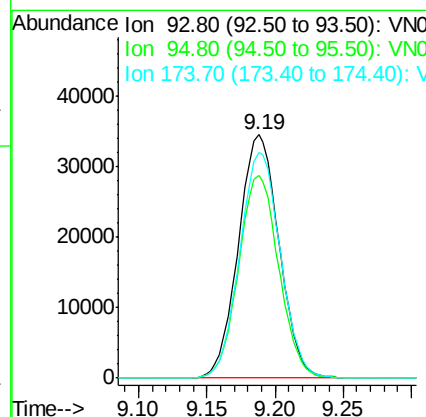
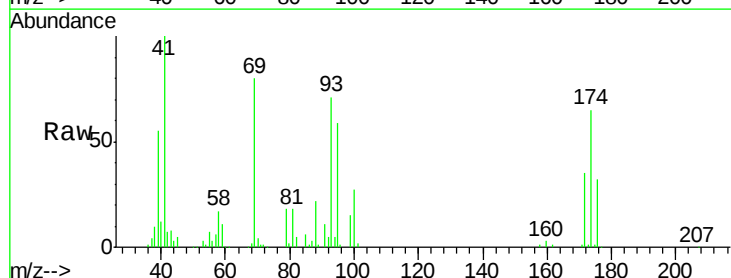
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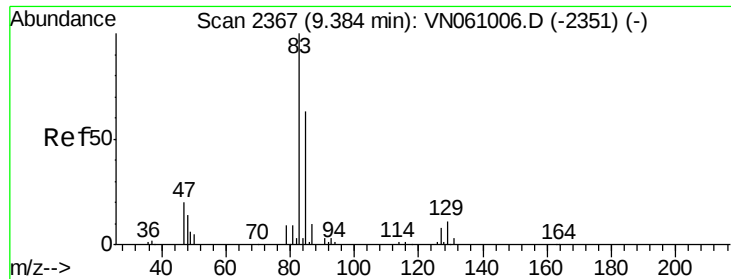
MMDadoda
 4/21/2020 11:59:57 AM



#46
 Dibromomethane
 Concen: 53.553 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VN061092.D
 Acq: 20 Apr 2020 11:00

Tgt Ion: 93 Resp: 71284
 Ion Ratio Lower Upper
 93 100
 95 82.3 66.8 100.2
 174 92.6 76.2 114.4





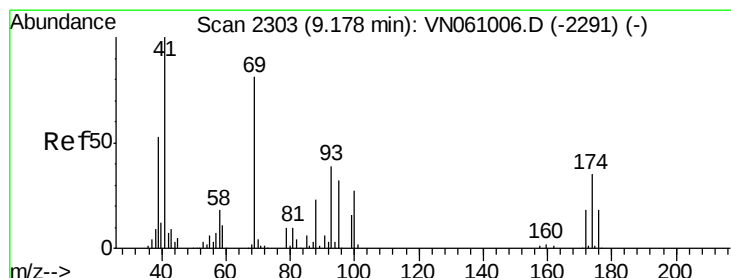
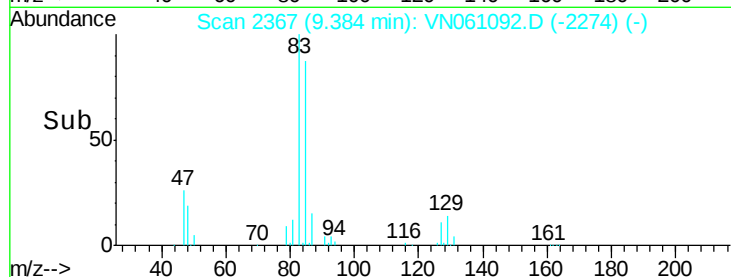
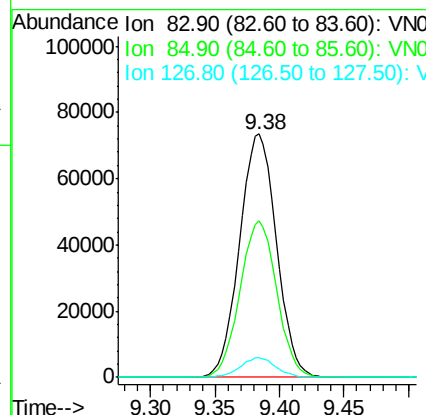
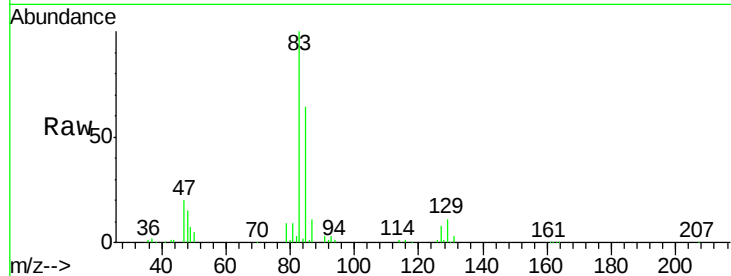
#47
 Bromodichloromethane
 Concen: 52.138 ug/l
 RT: 9.38 min Scan# 2367
 Delta R.T. 0.00 min
 Lab File: VN061092.D
 Acq: 20 Apr 2020 11:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	83	Resp	146613
Ion Ratio	100	Lower	Upper
83	100		
85	64.3	50.6	76.0
127	8.0	6.1	9.1

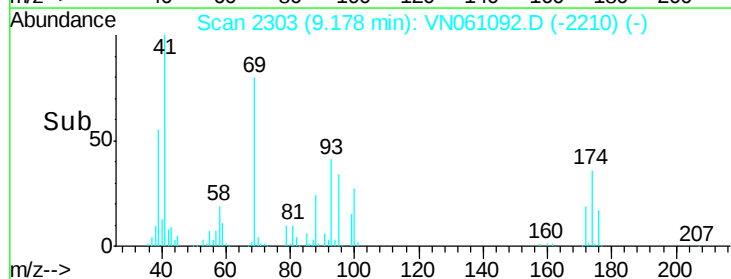
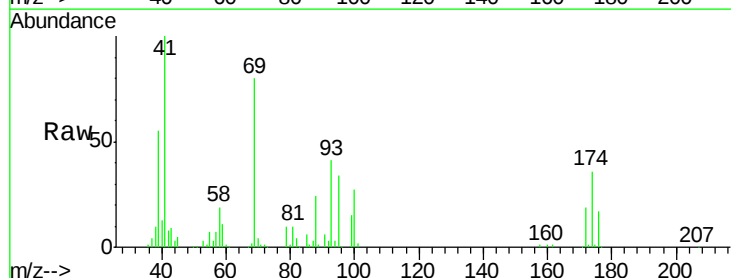
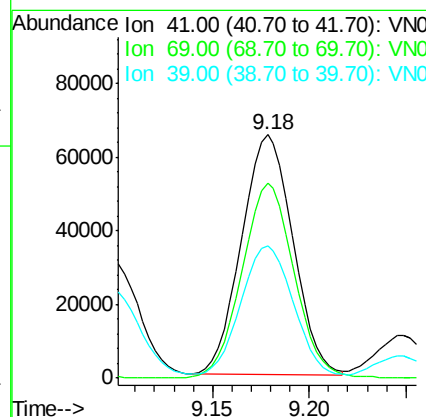
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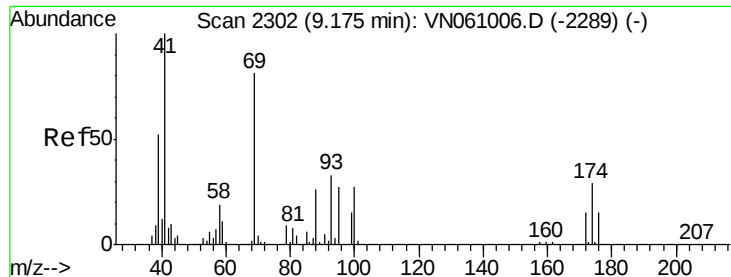
MMDadoda
 4/21/2020 11:59:57 AM



#48
 Methyl methacrylate
 Concen: 53.639 ug/l
 RT: 9.18 min Scan# 2303
 Delta R.T. 0.00 min
 Lab File: VN061092.D
 Acq: 20 Apr 2020 11:00

Tgt Ion	41	Resp	120610
Ion Ratio	100	Lower	Upper
41	100		
69	82.4	65.3	97.9
39	54.6	45.2	67.8





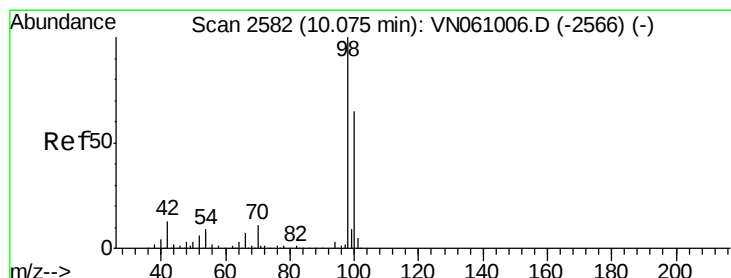
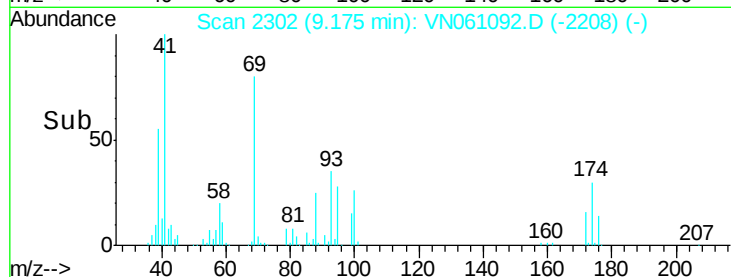
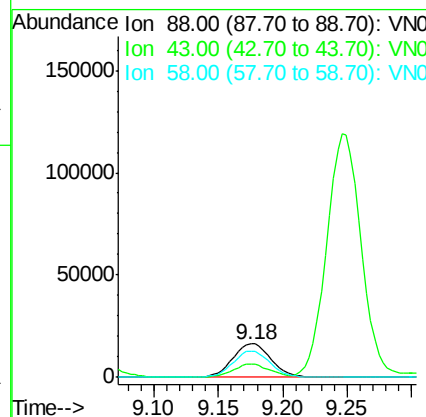
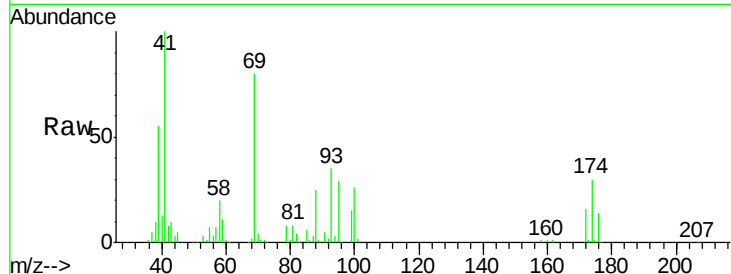
#49
1,4-Dioxane
Concen: 1087.743 ug/l
RT: 9.18 min Scan# 2302
Delta R.T. 0.00 min
Lab File: VN061092.D
Acq: 20 Apr 2020 11:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.7	30.9	46.3
58	76.6	59.8	89.8

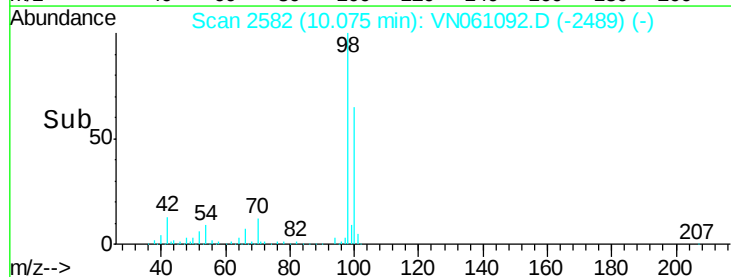
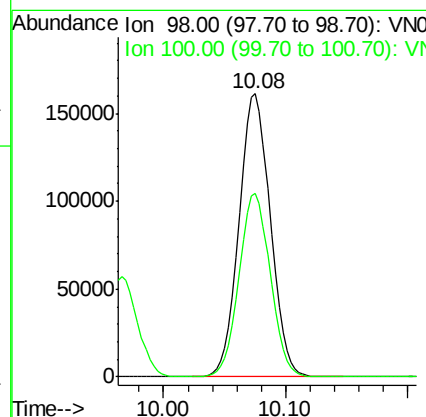
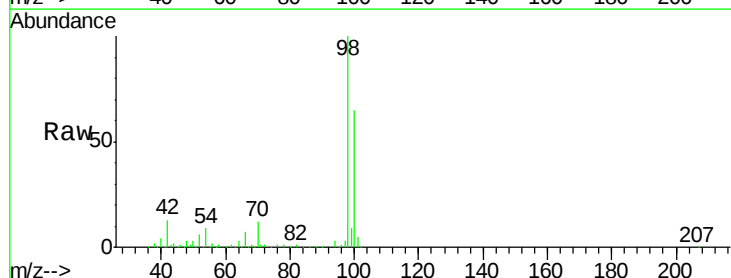
Manual Integrations
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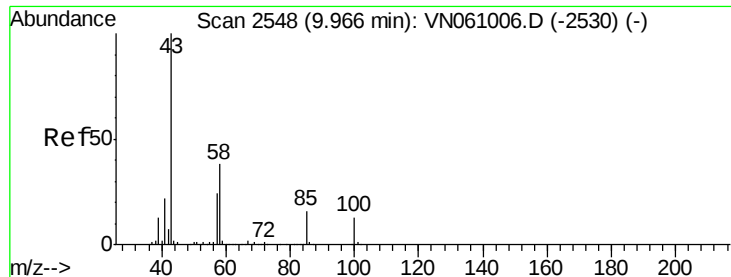
MMDadoda
4/21/2020 11:59:57 AM



#50
Toluene-d8
Concen: 46.532 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. 0.00 min
Lab File: VN061092.D
Acq: 20 Apr 2020 11:00

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 275.770 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. 0.00 min

Lab File: VN061092.D

Acq: 20 Apr 2020 11:00

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 808868

Ion Ratio Lower Upper

43 100

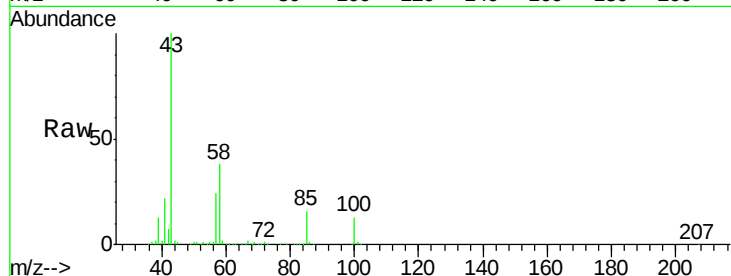
58 37.7 30.3 45.5

Manual Integrations

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MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN061006.D (-2530) (-)

Ion 58.00 (57.70 to 58.70): VN061006.D (-2530) (-)

9.97

400000

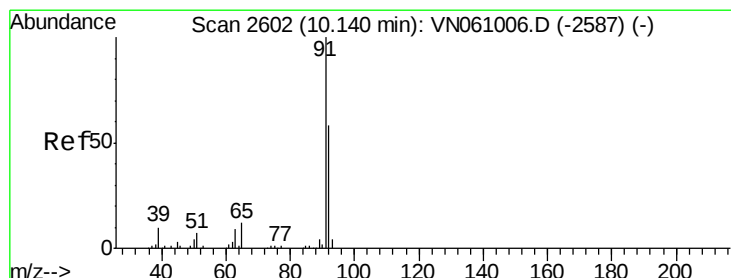
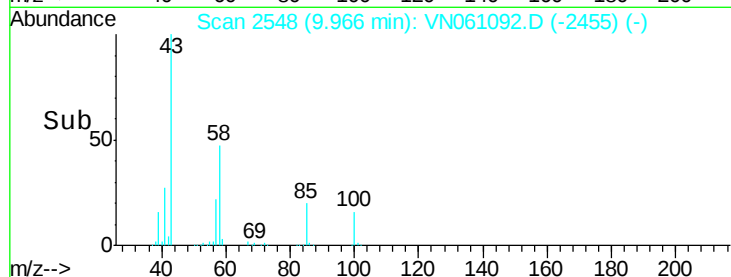
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 51.400 ug/l

RT: 10.14 min Scan# 2602

Delta R.T. 0.00 min

Lab File: VN061092.D

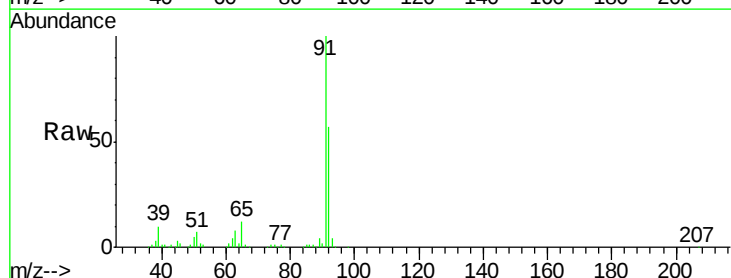
Acq: 20 Apr 2020 11:00

Tgt Ion: 92 Resp: 263566

Ion Ratio Lower Upper

92 100

91 174.5 137.7 206.5



Abundance Ion 92.00 (91.70 to 92.70): VN061006.D (-2587) (-)

Ion 91.00 (90.70 to 91.70): VN061006.D (-2587) (-)

10.14

300000

250000

200000

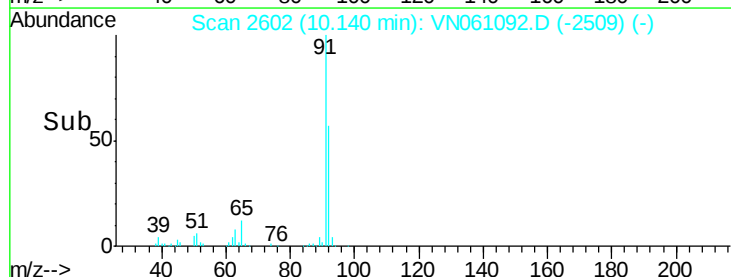
150000

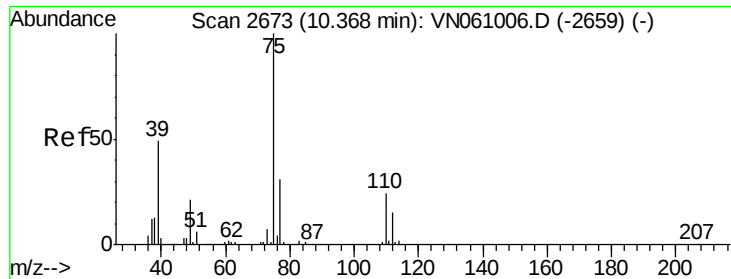
100000

50000

0

Time-->





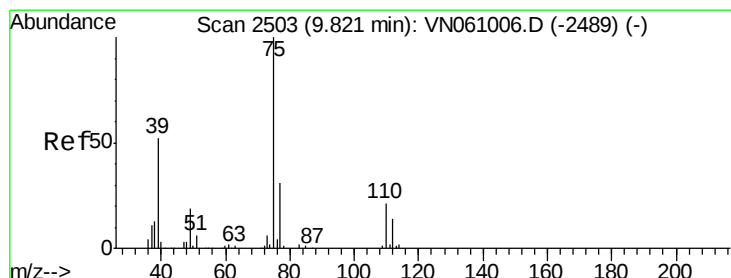
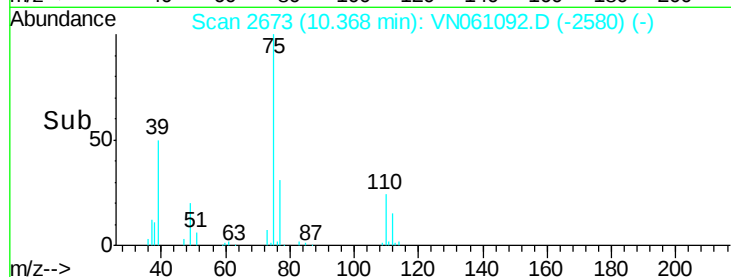
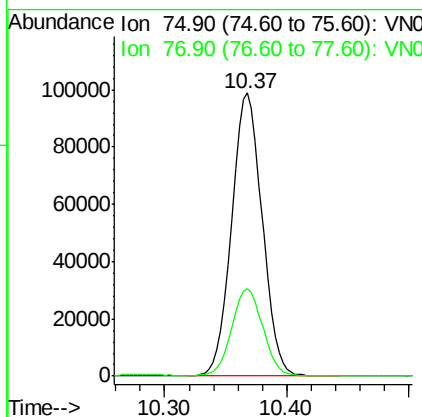
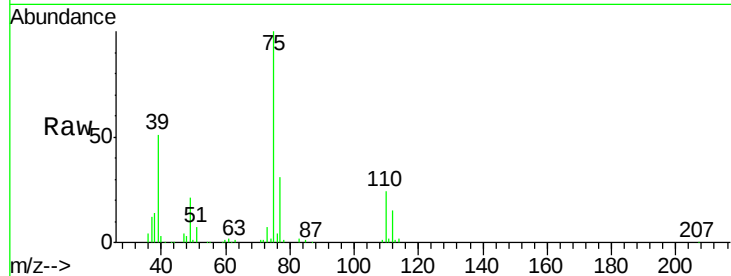
#53
t-1,3-Dichloropropene
Concen: 52.670 ug/l
RT: 10.37 min Scan# 2673
Delta R.T. 0.00 min
Lab File: VN061092.D
Acq: 20 Apr 2020 11:00

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 75 Resp: 172038
Ion Ratio Lower Upper
75 100
77 30.6 25.0 37.6

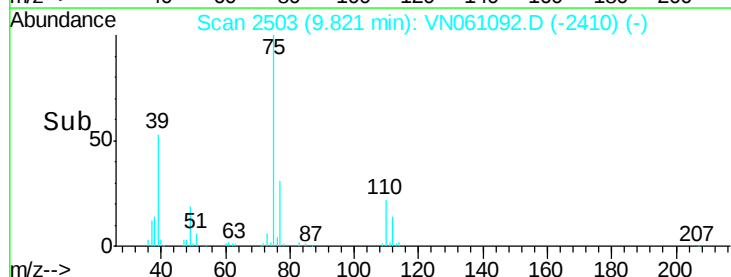
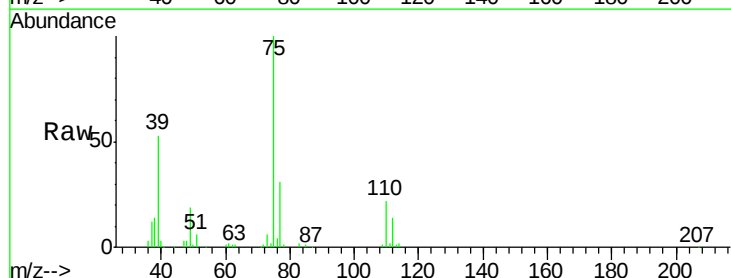
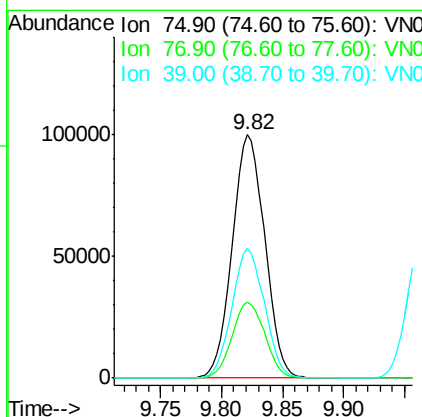
Manual Integrations
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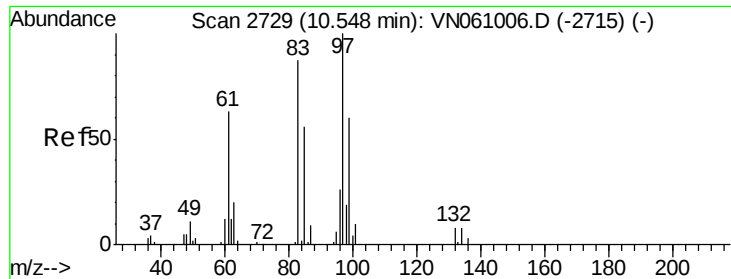
MMDadoda
4/21/2020 11:59:57 AM



#54
cis-1,3-Dichloropropene
Concen: 52.054 ug/l
RT: 9.82 min Scan# 2503
Delta R.T. 0.00 min
Lab File: VN061092.D
Acq: 20 Apr 2020 11:00

Tgt Ion: 75 Resp: 185514
Ion Ratio Lower Upper
75 100
77 31.2 25.0 37.6
39 53.0 41.4 62.2





#55

1,1,2-Trichloroethane

Concen: 52.166 ug/l

RT: 10.55 min Scan# 2729

Delta R.T. 0.00 min

Lab File: VN061092.D

Acq: 20 Apr 2020 11:00

Instrument :

MSVOA_N

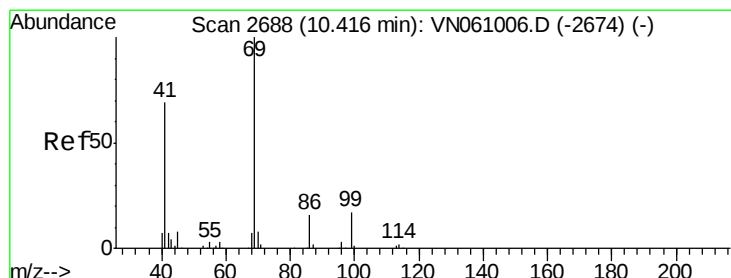
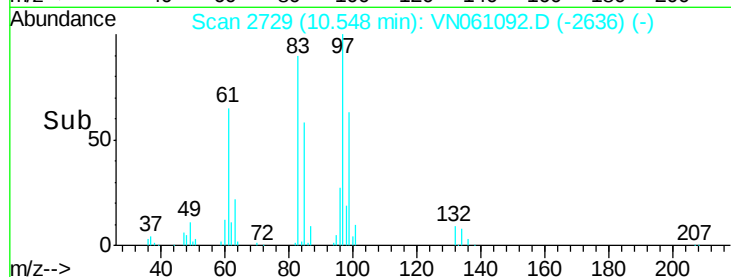
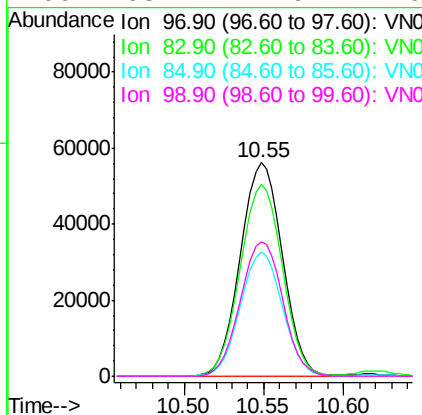
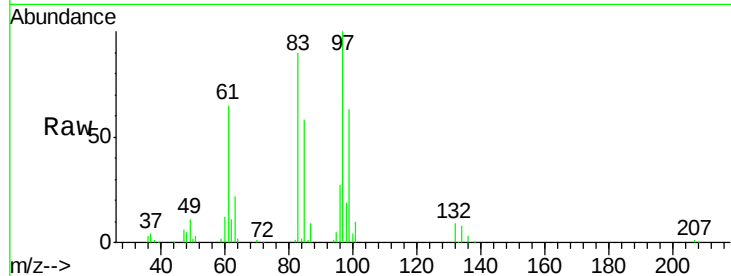
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	101229
Ion	Ratio	Lower	Upper
97	100		
83	89.8	69.5	104.3
85	58.1	45.0	67.4
99	63.2	47.9	71.9

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4/21/2020 11:59:57 AM



#56

Ethyl methacrylate

Concen: 54.929 ug/l

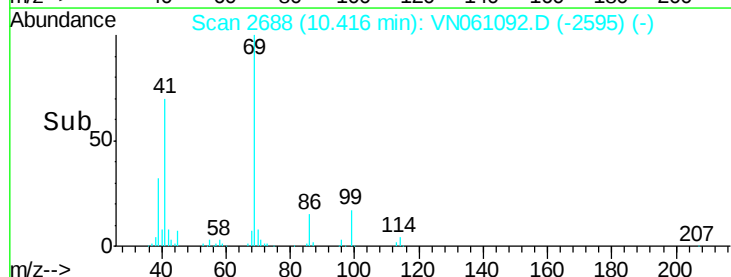
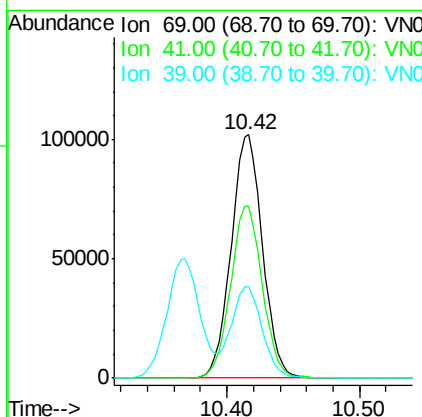
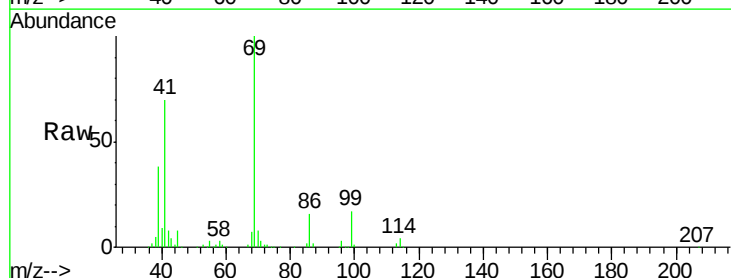
RT: 10.42 min Scan# 2688

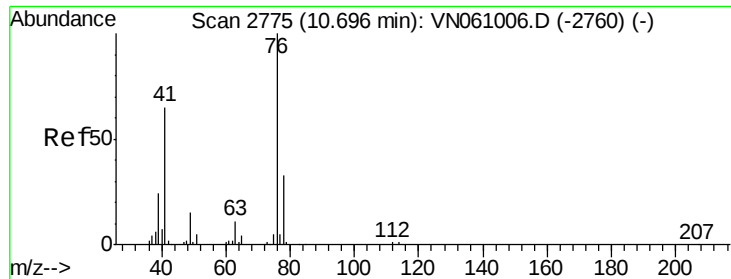
Delta R.T. 0.00 min

Lab File: VN061092.D

Acq: 20 Apr 2020 11:00

Tgt Ion:	69	Resp:	167611
Ion	Ratio	Lower	Upper
69	100		
41	70.8	56.7	85.1
39	36.6	29.4	44.0





#57

1,3-Dichloropropane

Concen: 52.060 ug/l

RT: 10.69 min Scan# 2774

Delta R.T. -0.00 min

Lab File: VN061092.D

Acq: 20 Apr 2020 11:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 180196

Ion Ratio Lower Upper

76 100

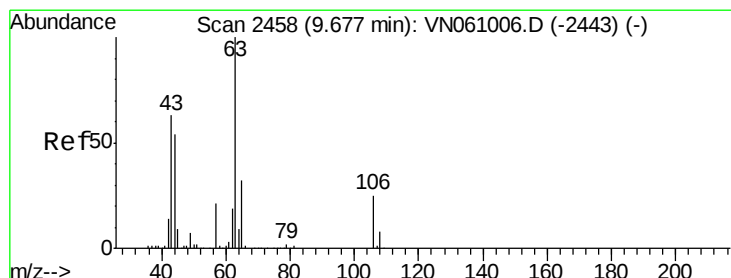
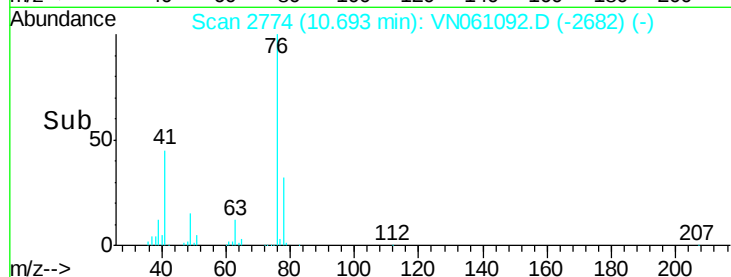
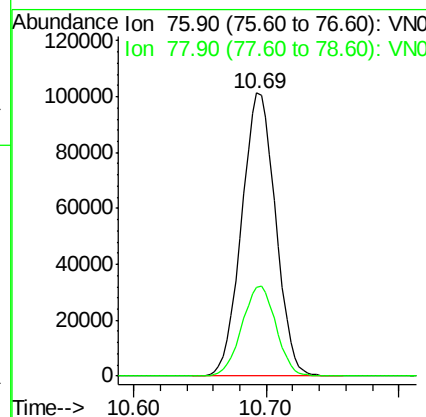
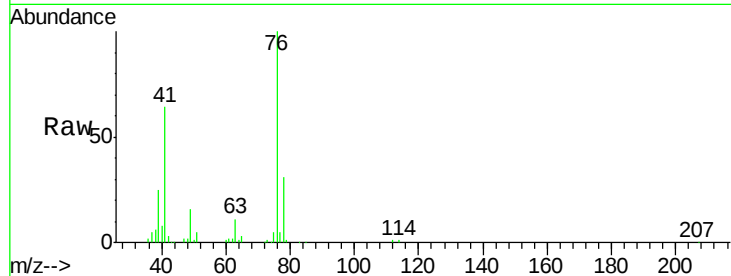
78 31.9 25.4 38.0

Manual Integrations

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4/21/2020 11:59:57 AM



#58

2-Chloroethyl Vinyl ether

Concen: 245.624 ug/l

RT: 9.68 min Scan# 2458

Delta R.T. 0.00 min

Lab File: VN061092.D

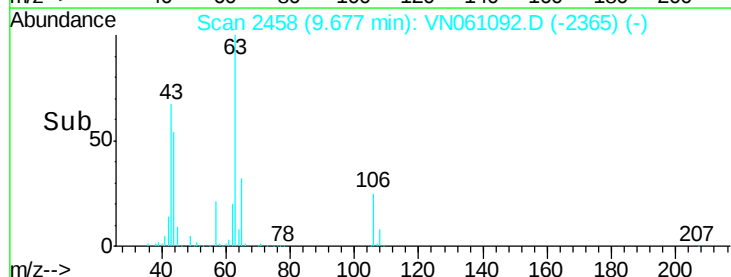
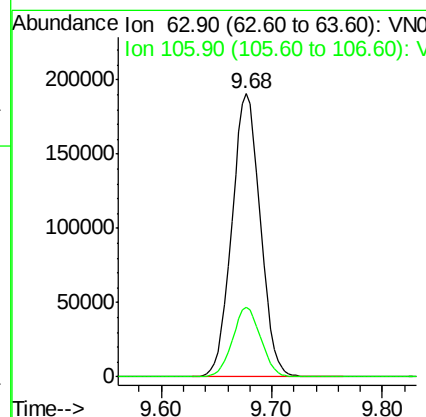
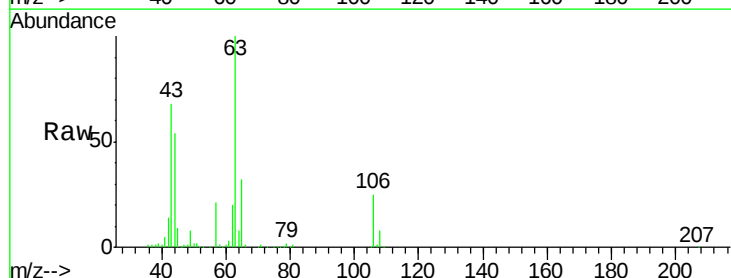
Acq: 20 Apr 2020 11:00

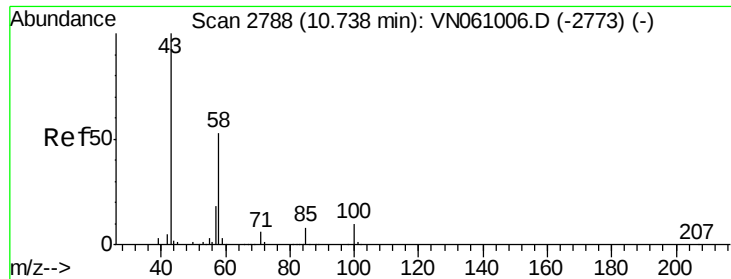
Tgt Ion: 63 Resp: 340573

Ion Ratio Lower Upper

63 100

106 24.4 19.5 29.3





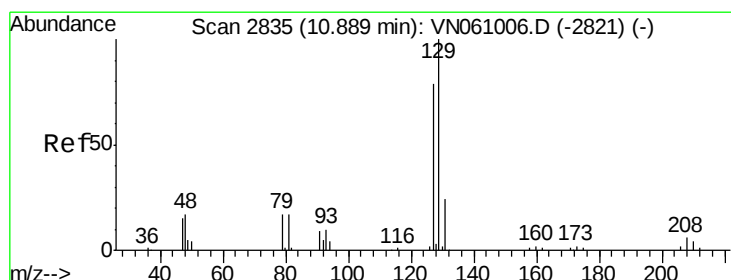
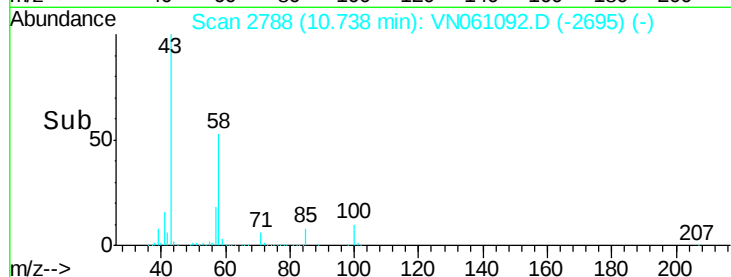
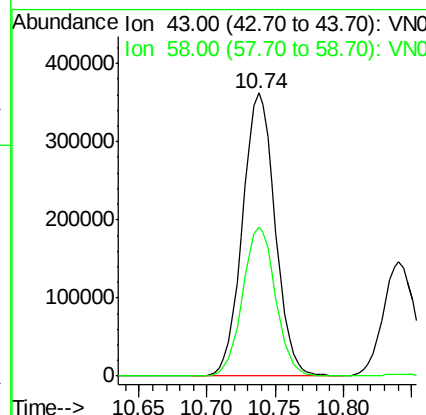
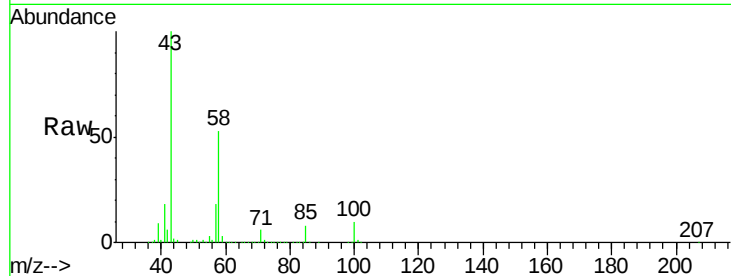
#59
2-Hexanone
Concen: 284.227 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. 0.00 min
Lab File: VN061092.D
Acq: 20 Apr 2020 11:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	601227
Ion Ratio	100	Lower	Upper
43	100		
58	53.0	26.4	79.0

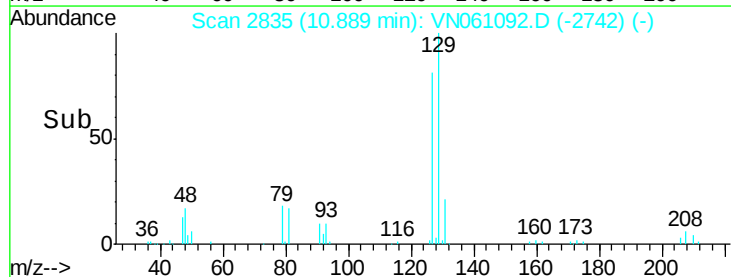
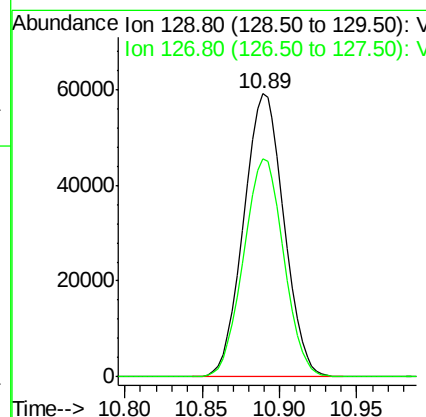
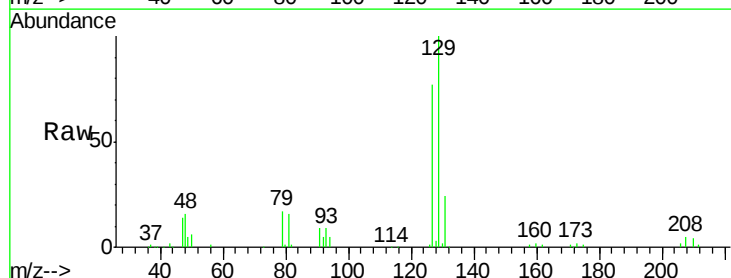
Manual Integrations
APPROVED

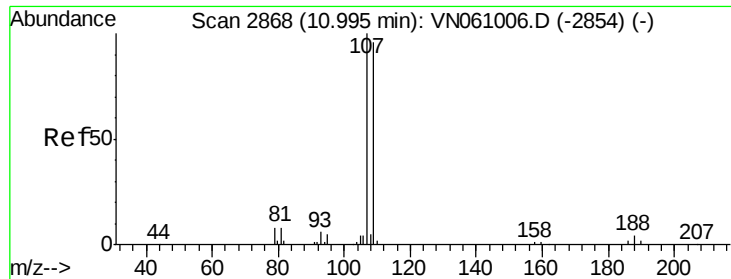
MMDadoda
4/21/2020 11:59:57 AM



#60
Dibromochloromethane
Concen: 53.721 ug/l
RT: 10.89 min Scan# 2835
Delta R.T. 0.00 min
Lab File: VN061092.D
Acq: 20 Apr 2020 11:00

Tgt Ion	129	Resp	107086
Ion Ratio	100	Lower	Upper
129	100		
127	76.9	39.0	116.9





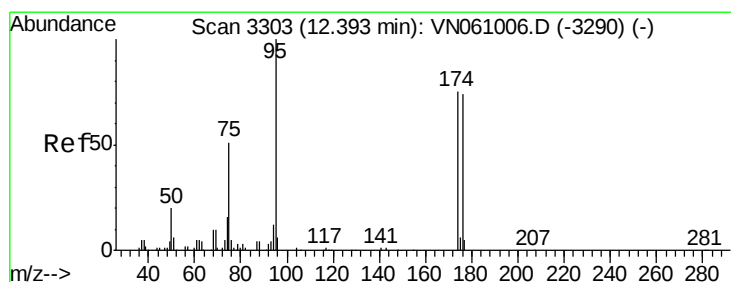
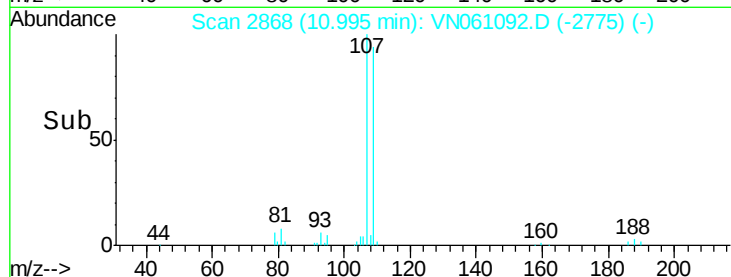
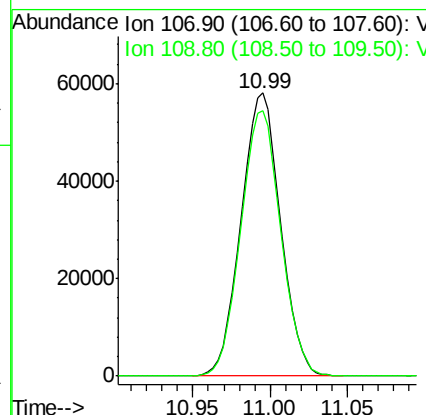
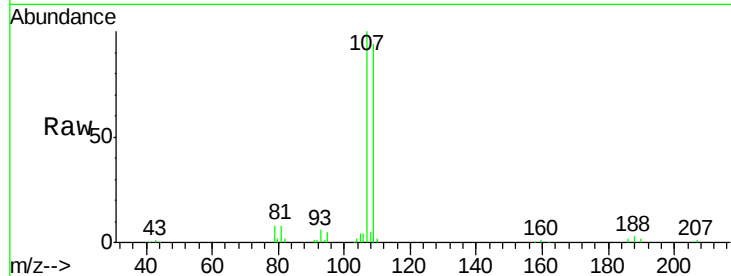
#61
 1,2-Dibromoethane
 Concen: 52.067 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. 0.00 min
 Lab File: VN061092.D
 Acq: 20 Apr 2020 11:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.4	75.9	113.9

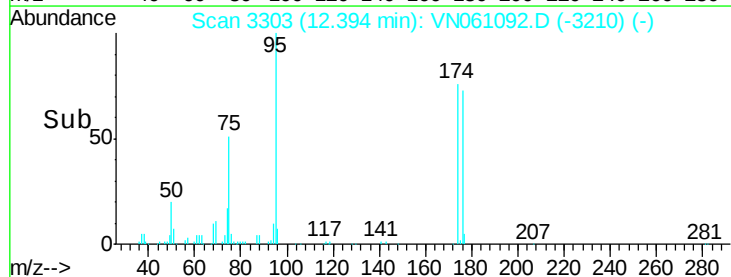
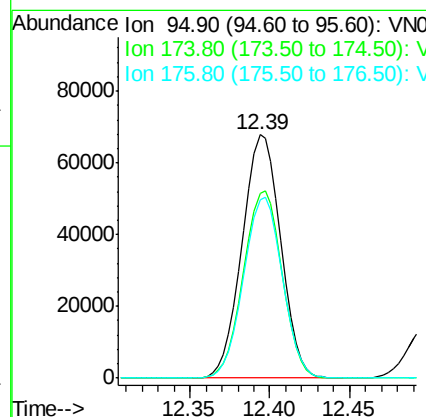
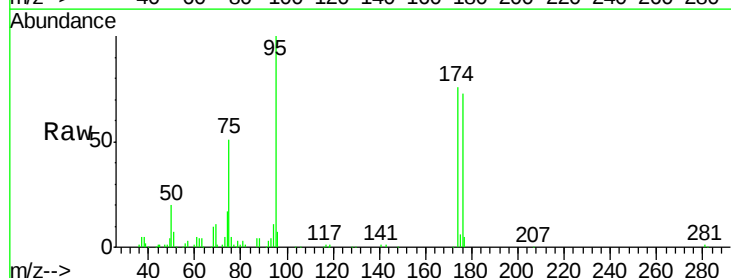
Manual Integrations
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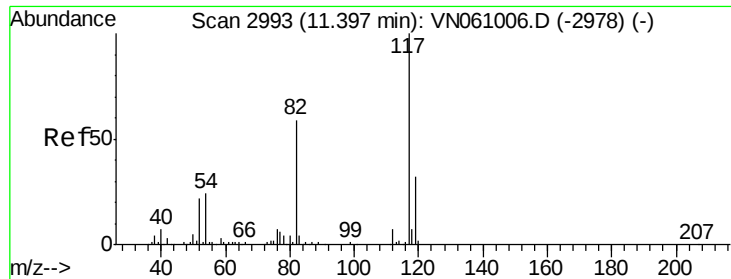
MMDadoda
 4/21/2020 11:59:57 AM



#62
 4-Bromofluorobenzene
 Concen: 46.176 ug/l
 RT: 12.39 min Scan# 3303
 Delta R.T. 0.00 min
 Lab File: VN061092.D
 Acq: 20 Apr 2020 11:00

Tgt Ion	Ratio	Lower	Upper
95	100		
174	77.0	0.0	151.2
176	74.6	0.0	148.2





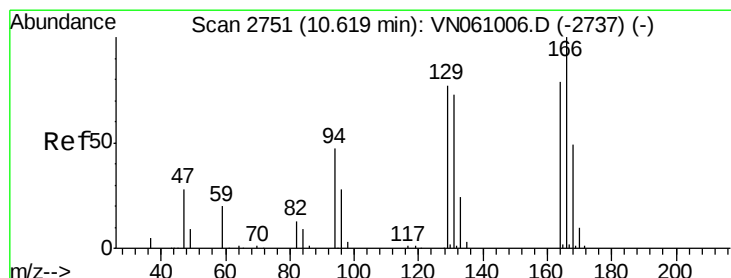
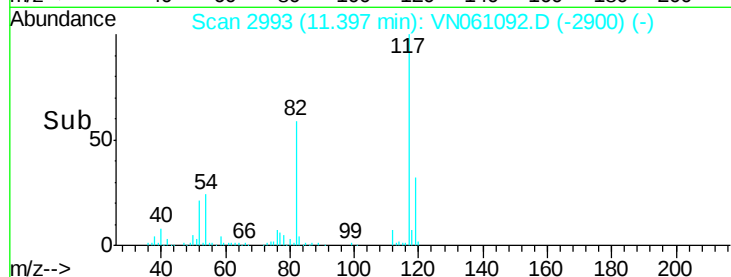
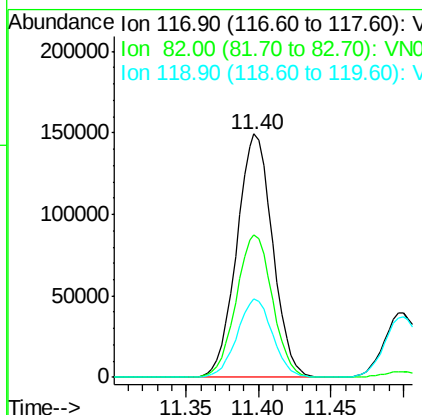
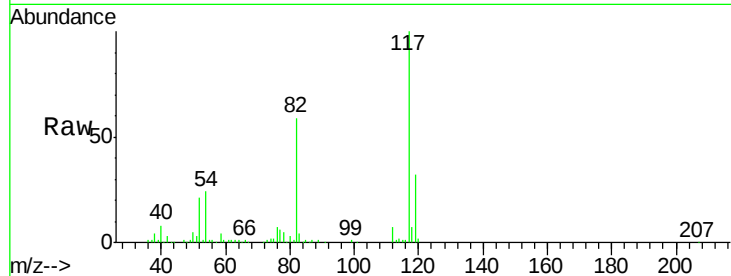
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2993
Delta R.T. 0.00 min
Lab File: VN061092.D
Acq: 20 Apr 2020 11:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.7	47.1	70.7
119	32.1	25.7	38.5

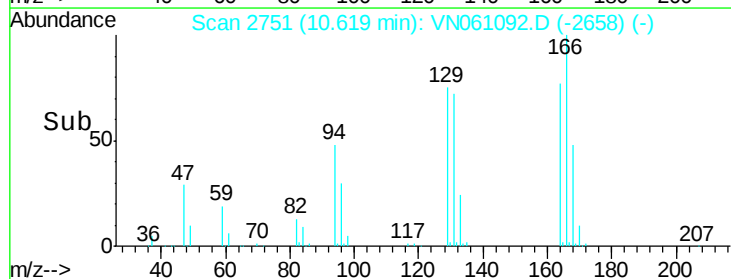
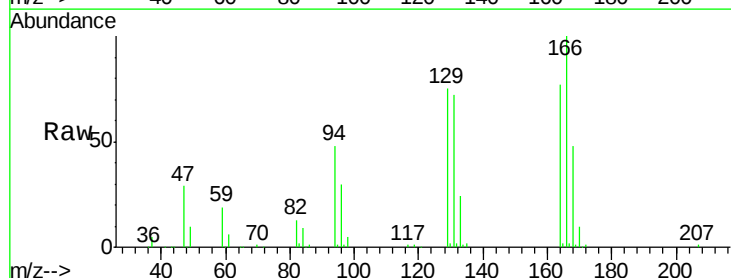
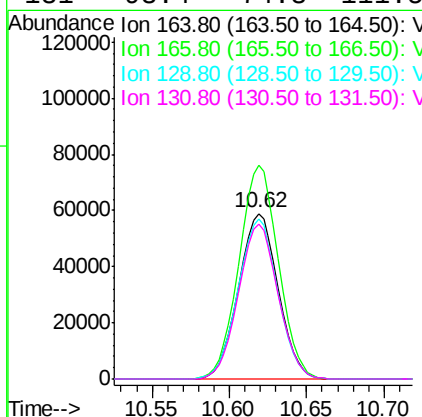
Manual Integrations
APPROVED

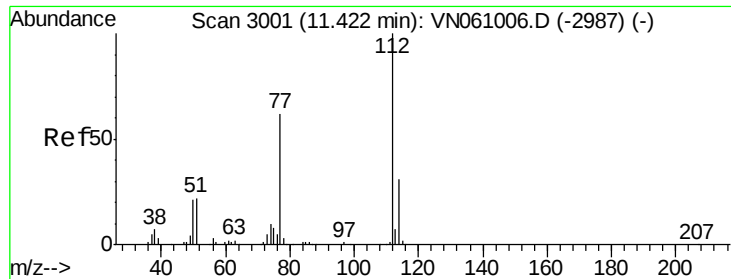
MMDadoda
4/21/2020 11:59:57 AM



#64
Tetrachloroethene
Concen: 53.495 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. 0.00 min
Lab File: VN061092.D
Acq: 20 Apr 2020 11:00

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.2	101.6	152.4
129	96.7	78.5	117.7
131	93.4	74.3	111.5





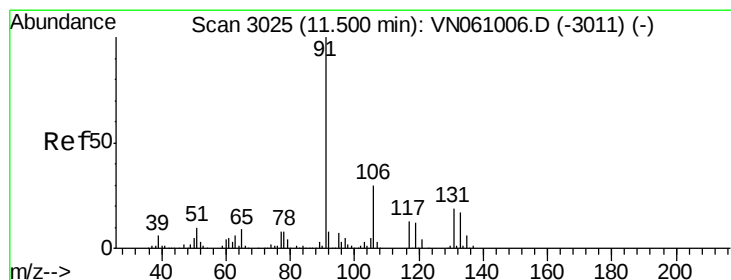
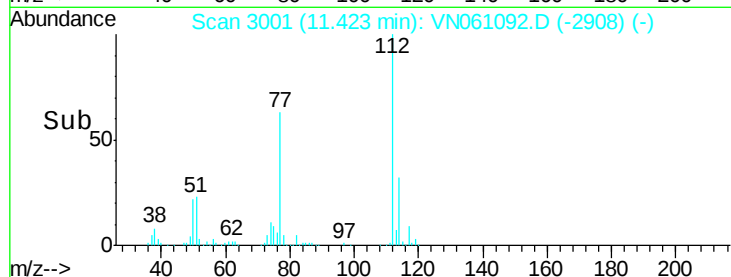
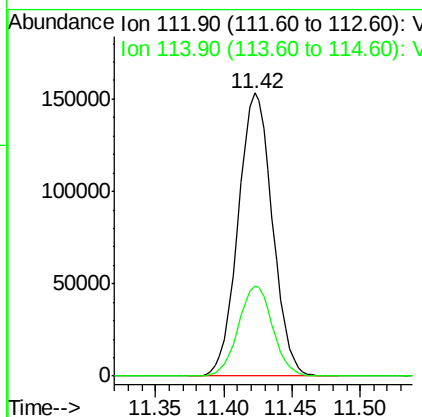
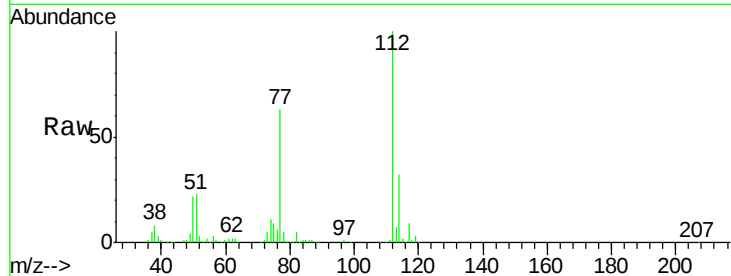
#65
Chlorobenzene
Concen: 50.461 ug/l
RT: 11.42 min Scan# 3001
Delta R.T. 0.00 min
Lab File: VN061092.D
Acq: 20 Apr 2020 11:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 267029
Ion Ratio Lower Upper
112 100
114 31.9 25.1 37.7

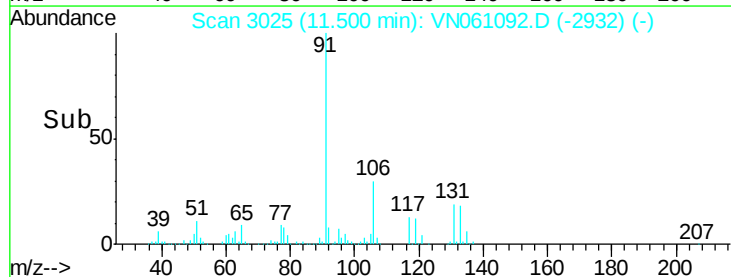
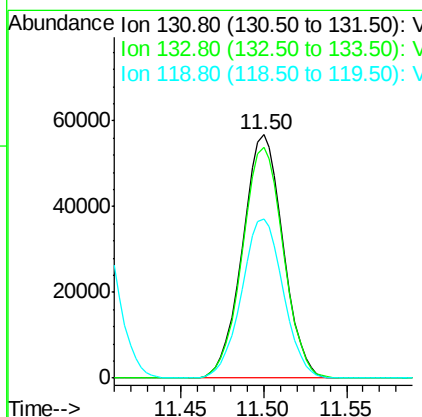
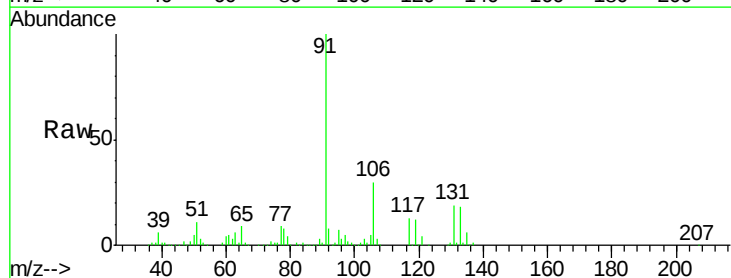
Manual Integrations
APPROVED

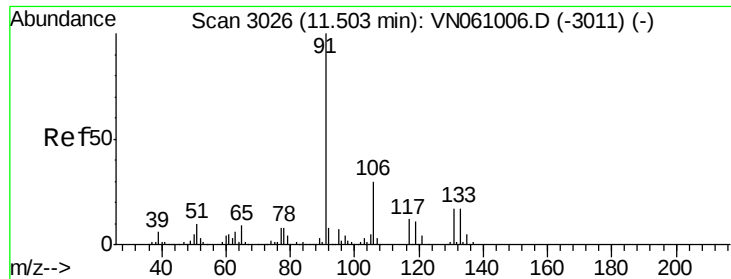
MMDadoda
4/21/2020 11:59:57 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.250 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. 0.00 min
Lab File: VN061092.D
Acq: 20 Apr 2020 11:00

Tgt Ion:131 Resp: 97028
Ion Ratio Lower Upper
131 100
133 95.9 47.9 143.8
119 66.7 33.3 99.8





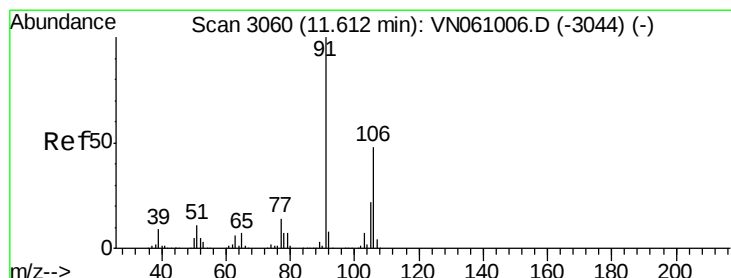
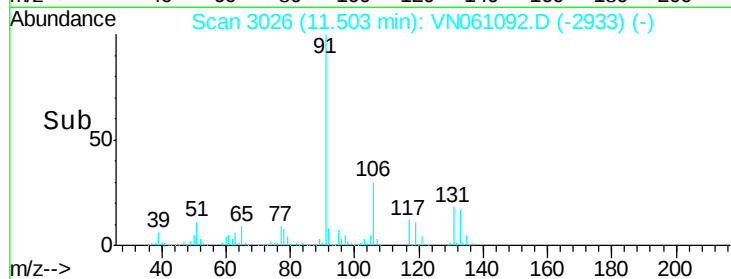
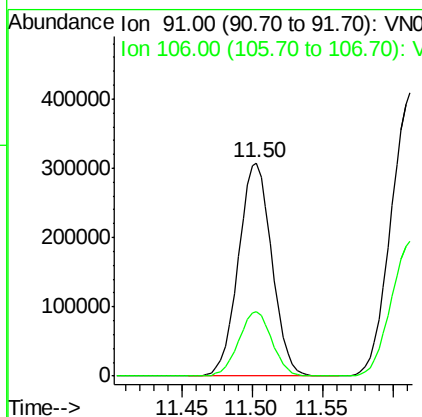
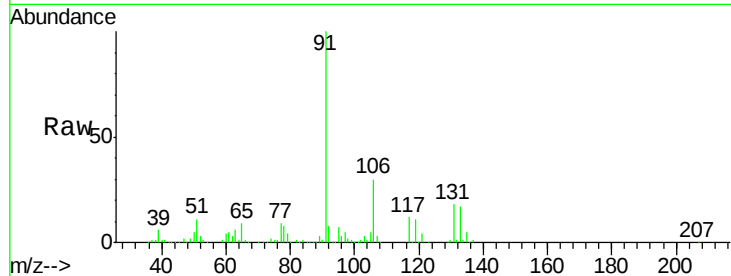
#67
Ethyl Benzene
Concen: 51.182 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN061092.D
Acq: 20 Apr 2020 11:00

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 509471
Ion Ratio Lower Upper
91 100
106 30.1 23.8 35.8

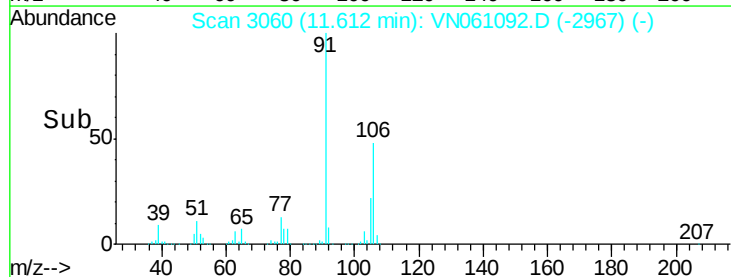
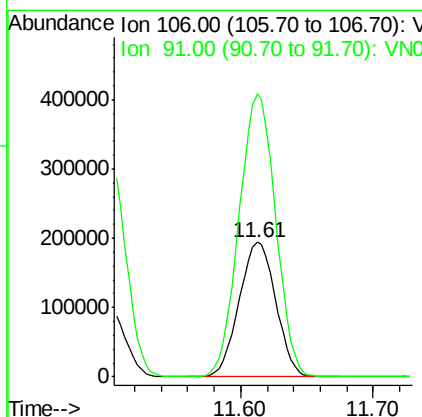
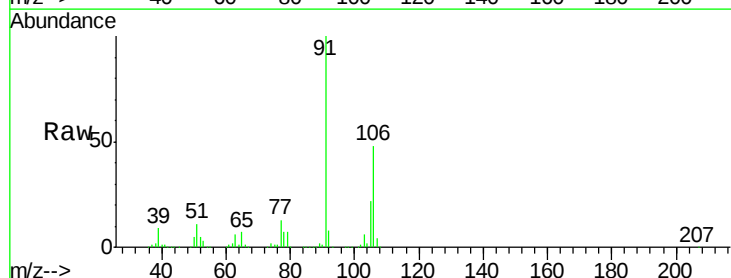
Manual Integrations
APPROVED

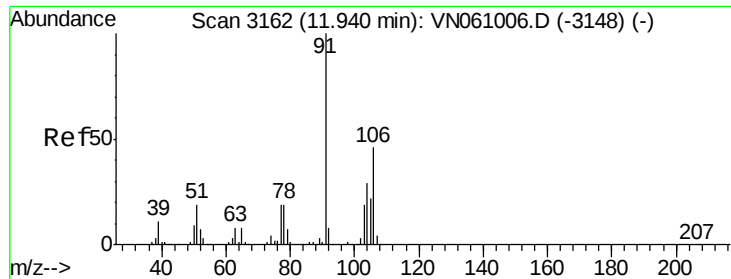
MMDadoda
4/21/2020 11:59:57 AM



#68
m/p-Xylenes
Concen: 103.929 ug/l
RT: 11.61 min Scan# 3060
Delta R.T. 0.00 min
Lab File: VN061092.D
Acq: 20 Apr 2020 11:00

Tgt Ion: 106 Resp: 373873
Ion Ratio Lower Upper
106 100
91 209.6 167.9 251.9





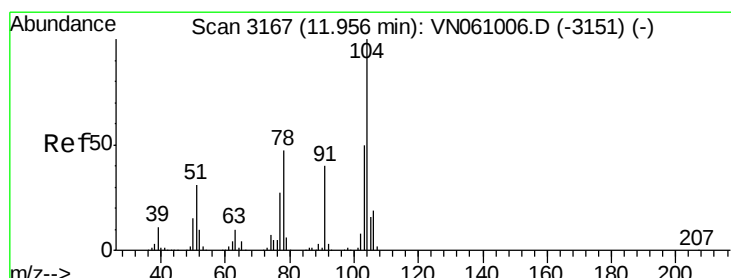
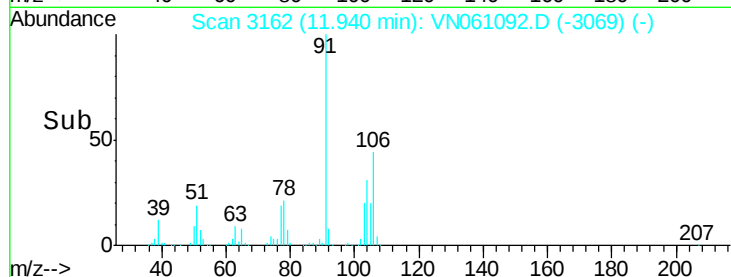
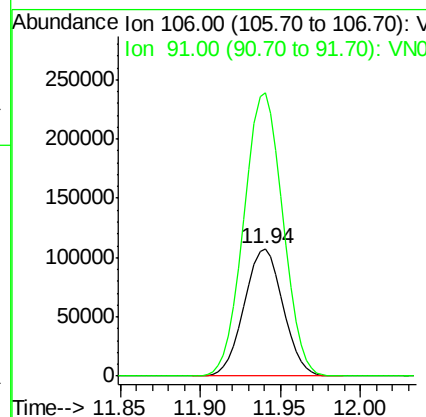
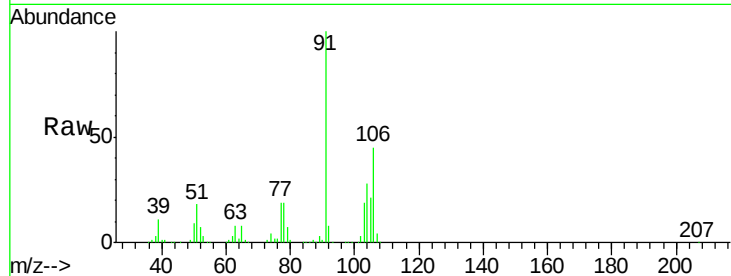
#69
o-Xylene
Concen: 51.374 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN061092.D
Acq: 20 Apr 2020 11:00

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		177692		
91	223.4	110.7	332.1		

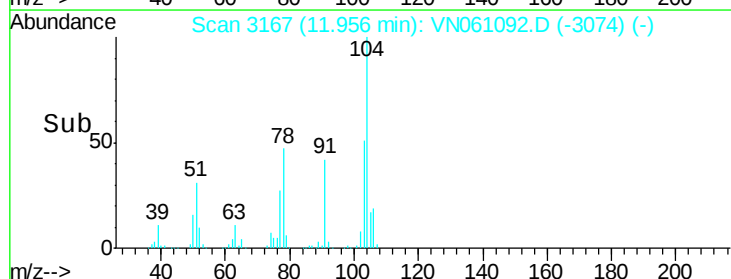
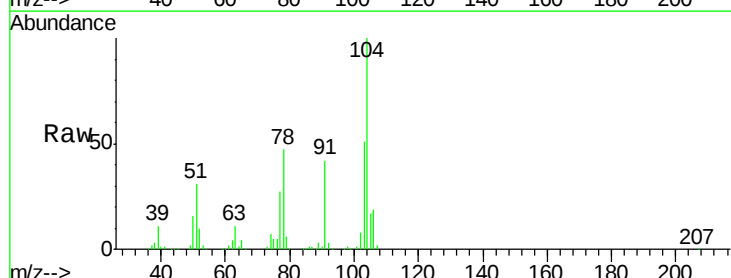
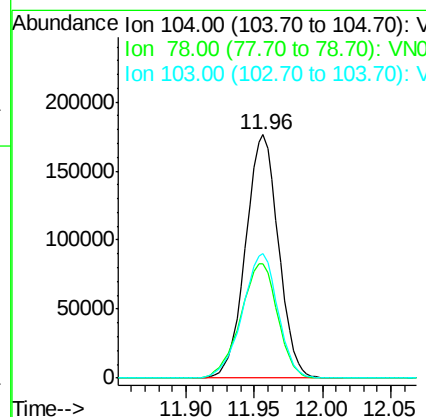
Manual Integrations
APPROVED

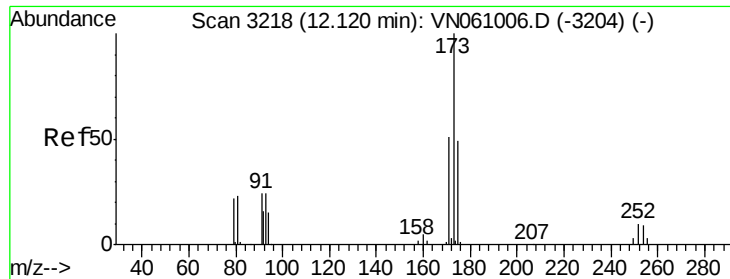
MMDadoda
4/21/2020 11:59:57 AM



#70
Styrene
Concen: 52.981 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN061092.D
Acq: 20 Apr 2020 11:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		295017		
78	52.8	42.2	63.4		
103	55.4	44.4	66.6		





#71

Bromoform

Concen: 53.038 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN061092.D

Acq: 20 Apr 2020 11:00

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:173 Resp: 74952

Ion Ratio Lower Upper

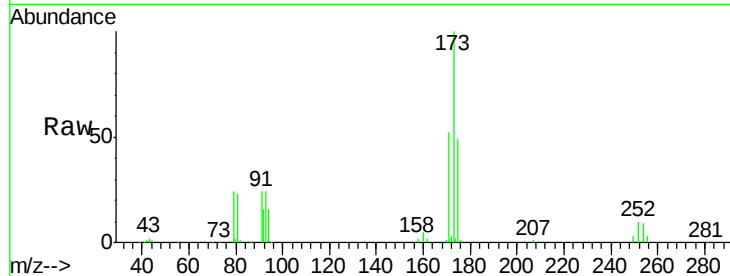
173 100

175 49.5 24.5 73.5

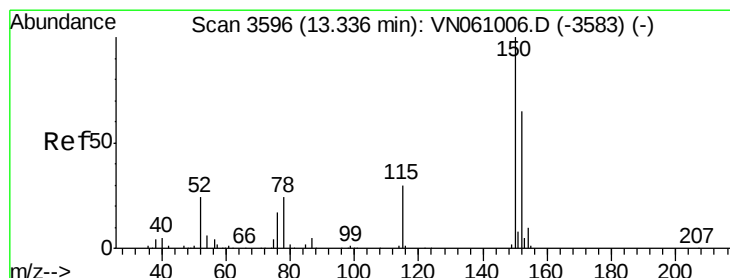
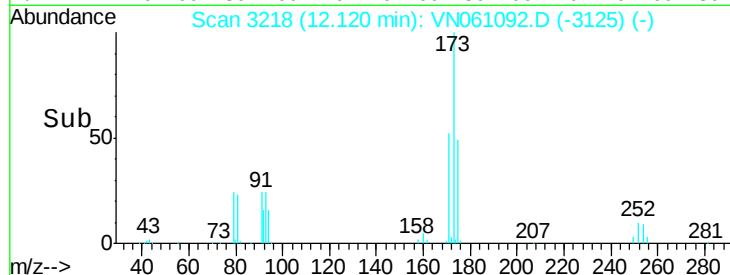
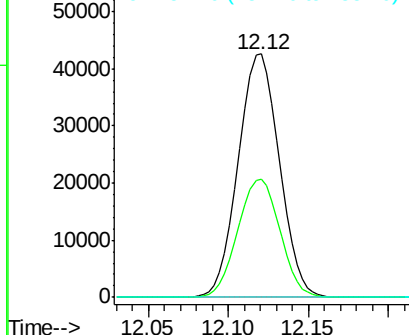
254 0.0 0.0 0.0

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# 3597

Delta R.T. 0.00 min

Lab File: VN061092.D

Acq: 20 Apr 2020 11:00

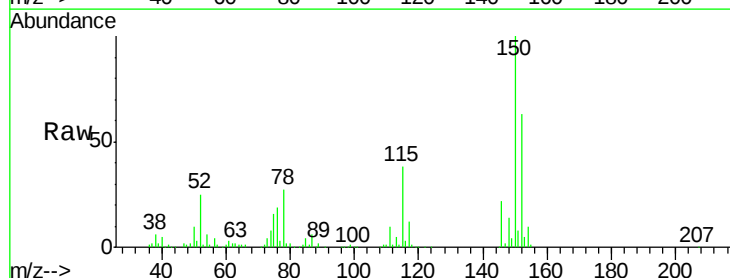
Tgt Ion:152 Resp: 118773

Ion Ratio Lower Upper

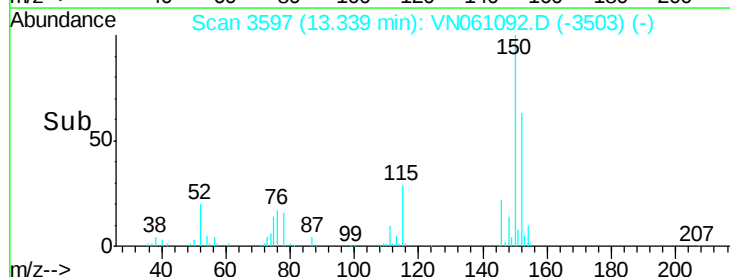
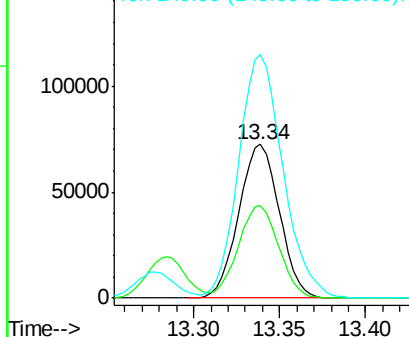
152 100

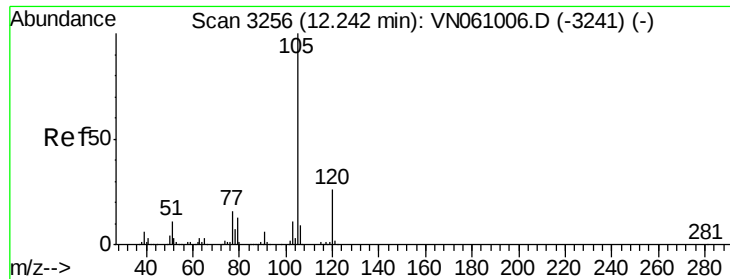
115 59.9 30.8 92.4

150 173.0 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: 50.702 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. 0.00 min

Lab File: VN061092.D

Acq: 20 Apr 2020 11:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 482452

Ion Ratio Lower Upper

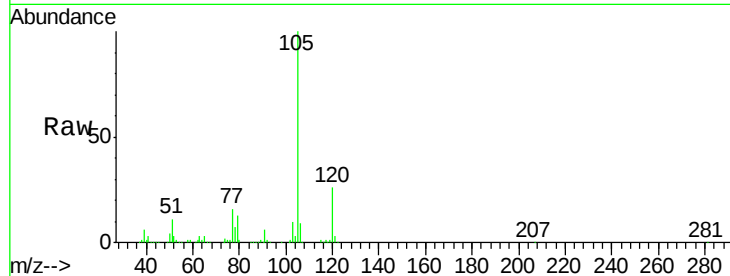
105 100

120 25.9 13.0 38.9

Manual Integrations
APPROVED

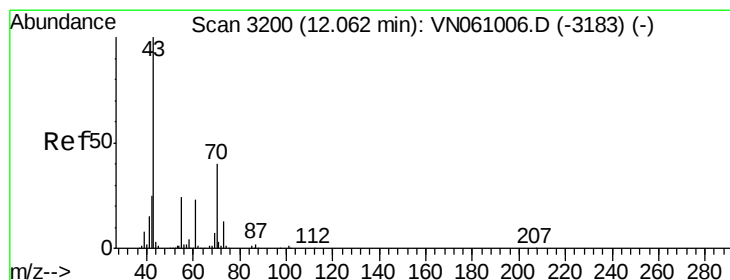
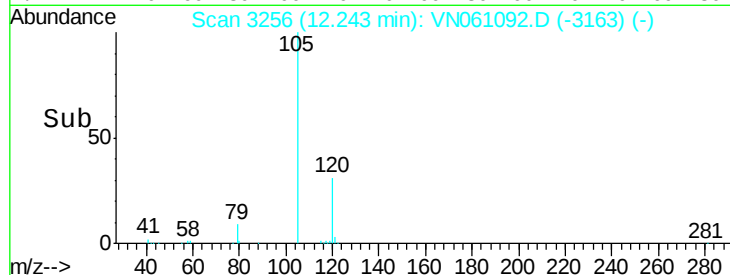
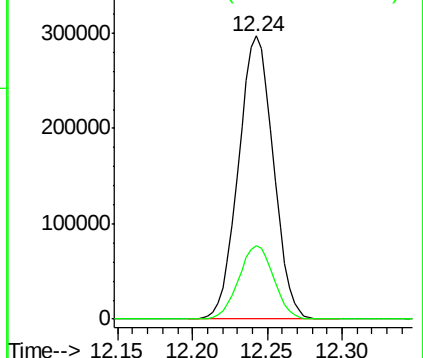
MMDadoda

4/21/2020 11:59:57 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: 52.494 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN061092.D

Acq: 20 Apr 2020 11:00

Tgt Ion: 43 Resp: 232284

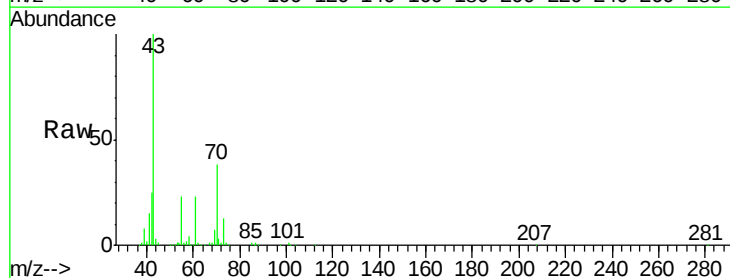
Ion Ratio Lower Upper

43 100

70 38.3 31.0 46.6

55 23.3 18.6 27.8

61 23.0 18.2 27.4

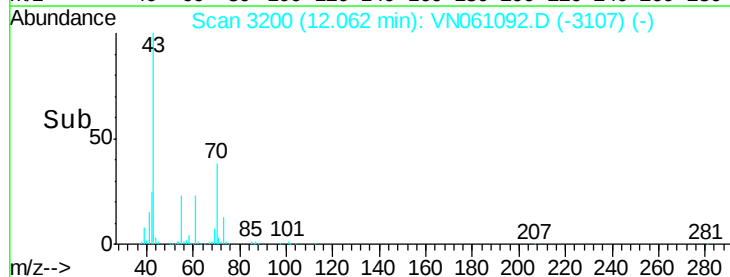
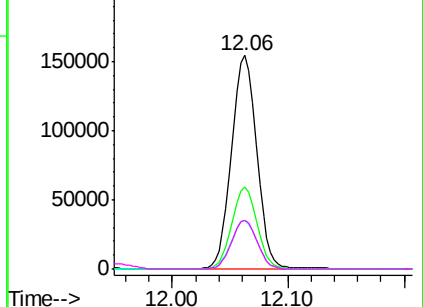


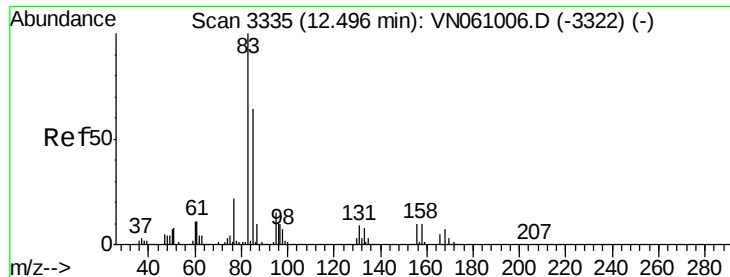
Abundance Ion 43.00 (42.70 to 43.70): V

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: 51.366 ug/l

RT: 12.50 min Scan# 3335

Delta R.T. 0.00 min

Lab File: VN061092.D

Acq: 20 Apr 2020 11:00

Instrument :

MSVOA_N

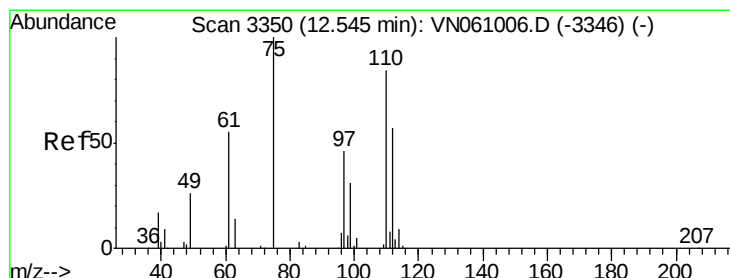
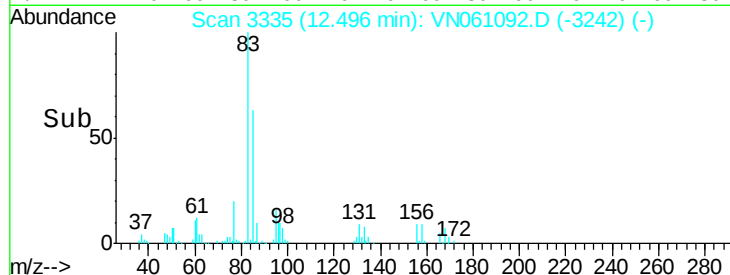
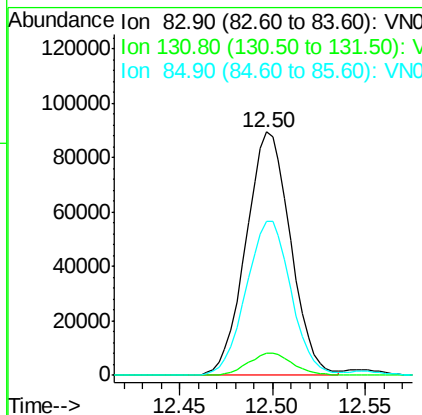
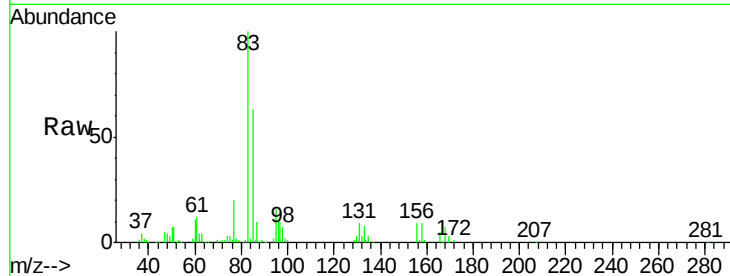
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	149202
Ion Ratio	Lower	Upper	
83	100		
131	9.3	4.8	14.3
85	63.9	32.3	96.8

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#76

1,2,3-Trichloropropane

Concen: 50.376 ug/l m

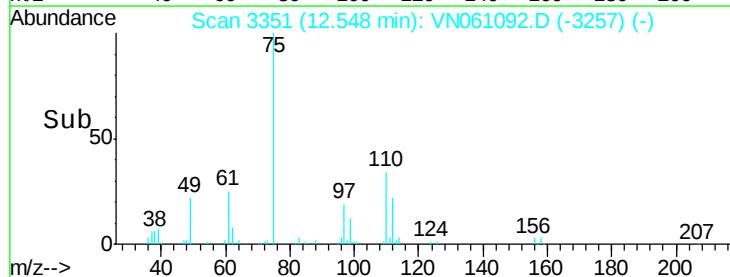
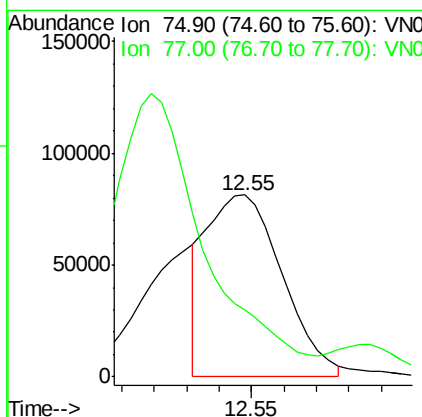
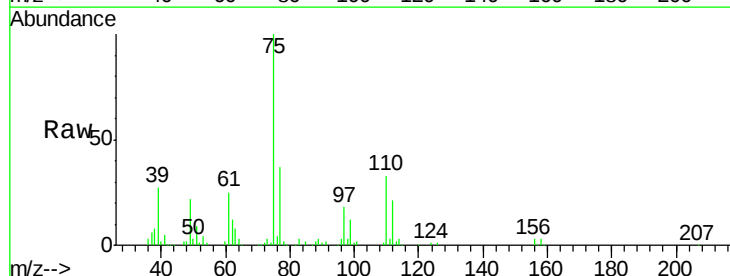
RT: 12.55 min Scan# 3351

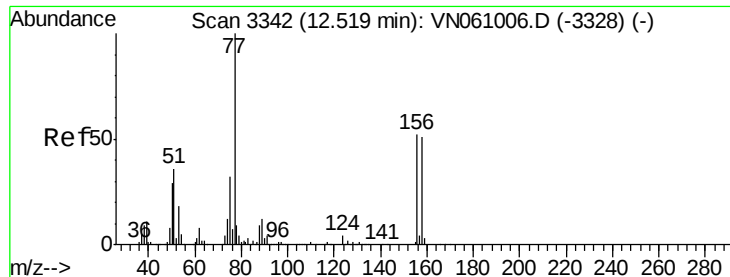
Delta R.T. 0.00 min

Lab File: VN061092.D

Acq: 20 Apr 2020 11:00

Tgt Ion:	75	Resp:	131608
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





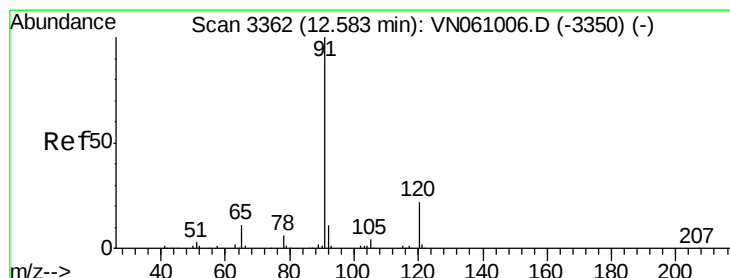
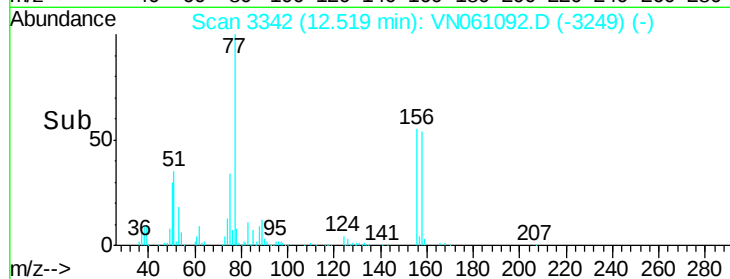
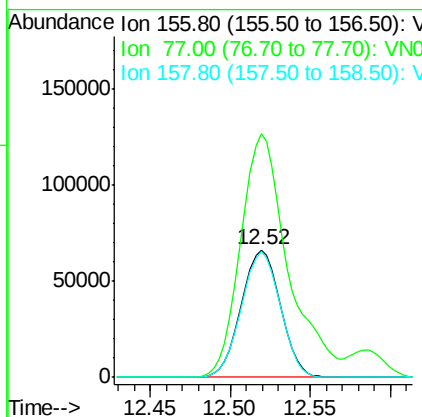
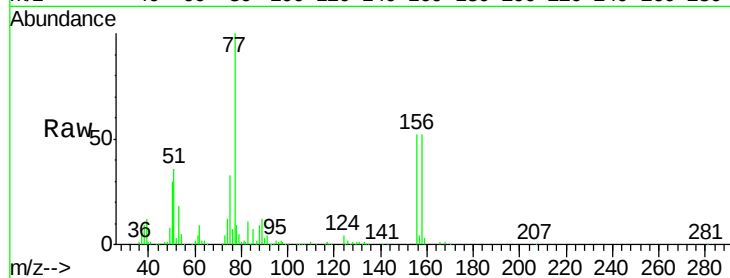
#77
Bromobenzene
Concen: 50.051 ug/l
RT: 12.52 min Scan# 3342
Delta R.T. 0.00 min
Lab File: VN061092.D
Acq: 20 Apr 2020 11:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	231.6	115.6	346.8
158	97.7	48.9	146.6

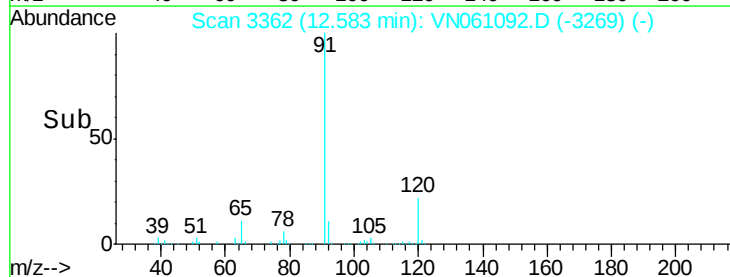
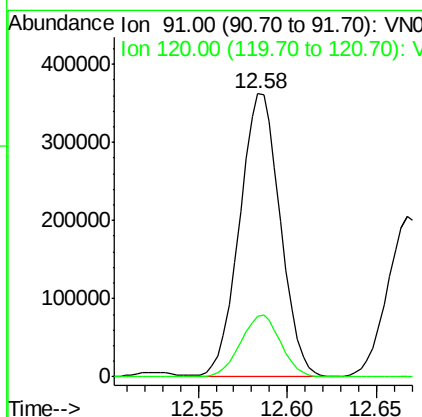
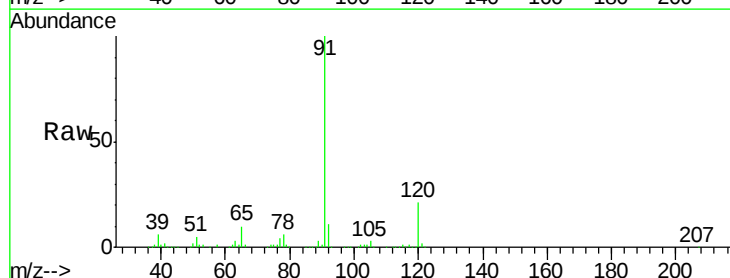
Manual Integrations
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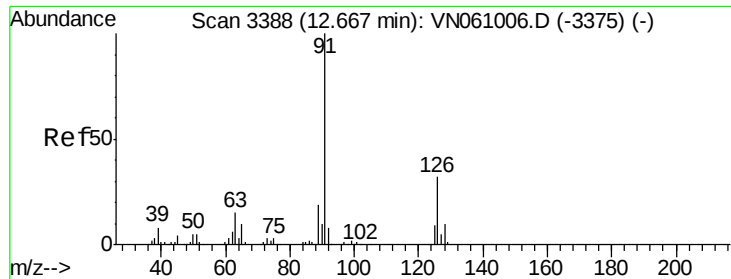
MMDadoda
4/21/2020 11:59:57 AM



#78
n-propylbenzene
Concen: 51.694 ug/l
RT: 12.58 min Scan# 3362
Delta R.T. 0.00 min
Lab File: VN061092.D
Acq: 20 Apr 2020 11:00

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.7	10.9	32.7





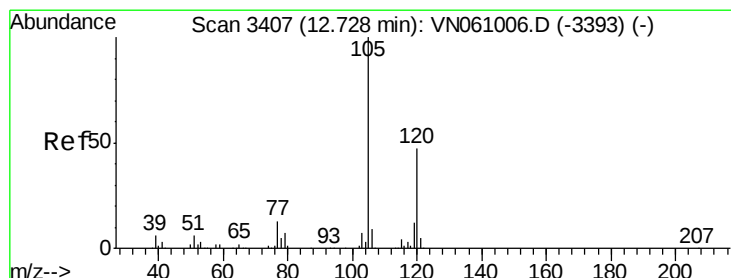
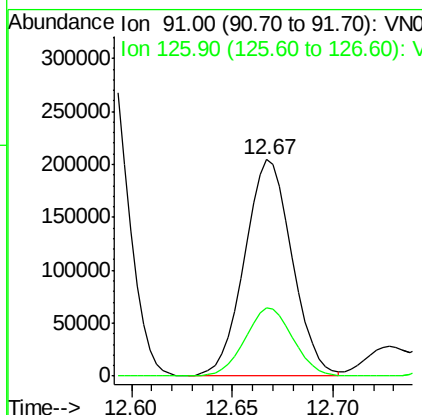
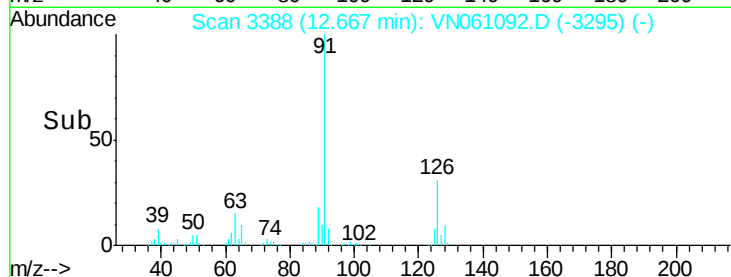
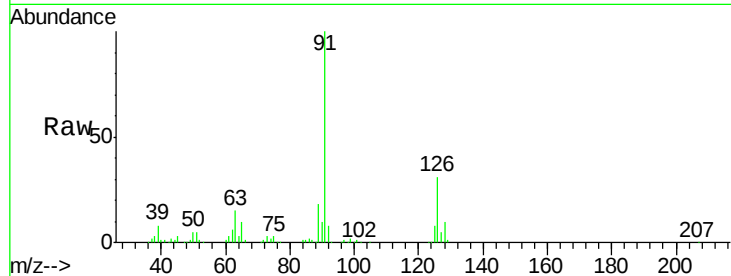
#79
 2-Chlorotoluene
 Concen: 51.391 ug/l
 RT: 12.67 min Scan# 3388
 Delta R.T. 0.00 min
 Lab File: VN061092.D
 Acq: 20 Apr 2020 11:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 335556
 Ion Ratio Lower Upper
 91 100
 126 31.9 16.1 48.2

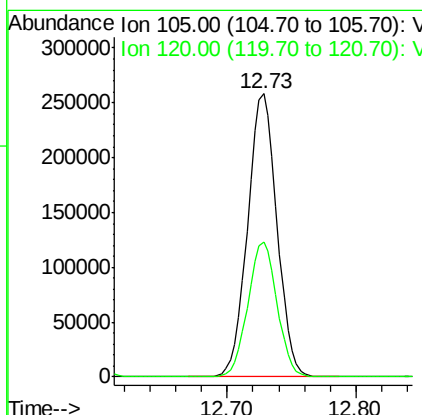
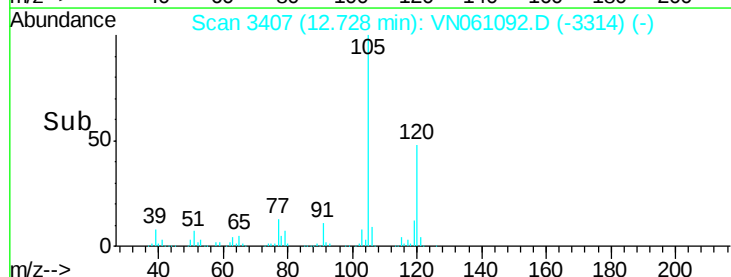
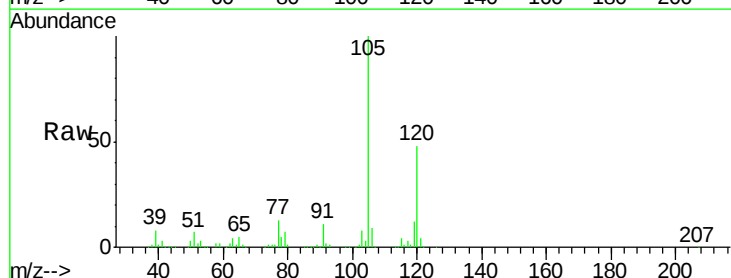
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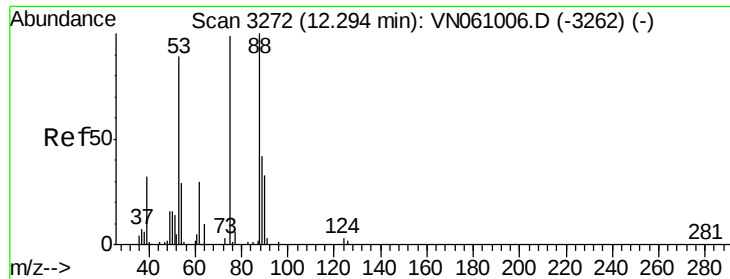
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#80
 1,3,5-Trimethylbenzene
 Concen: 51.918 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. 0.00 min
 Lab File: VN061092.D
 Acq: 20 Apr 2020 11:00

Tgt Ion: 105 Resp: 408346
 Ion Ratio Lower Upper
 105 100
 120 47.4 23.6 70.8





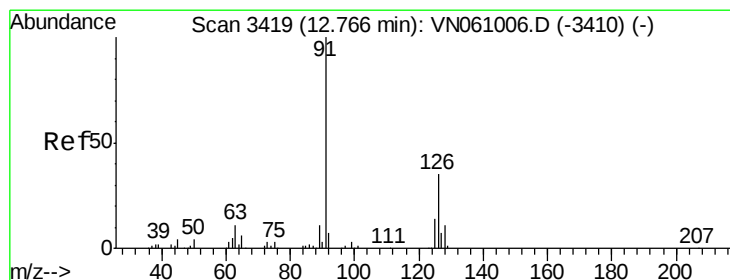
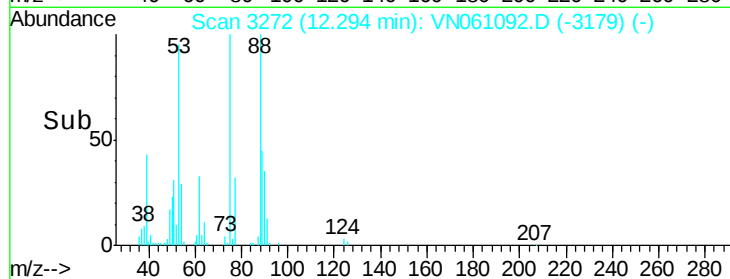
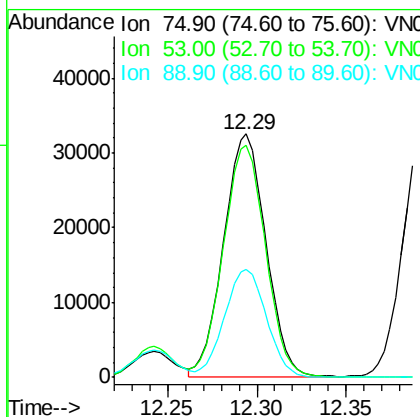
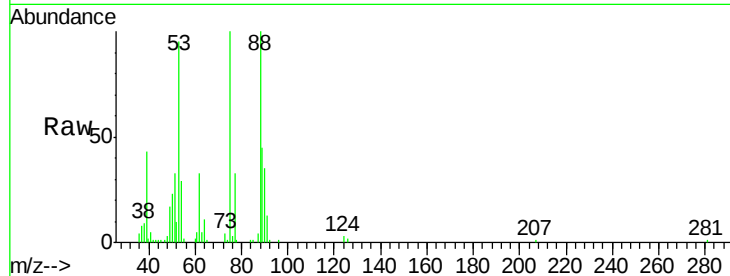
#81
trans-1,4-Dichloro-2-butene
Concen: 50.739 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. 0.00 min
Lab File: VN061092.D
Acq: 20 Apr 2020 11:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	95.2	74.7	112.1
89	43.7	34.6	52.0

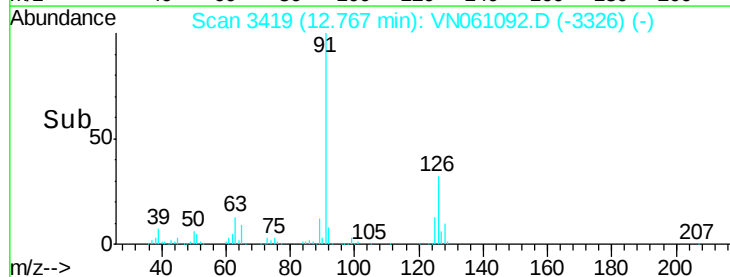
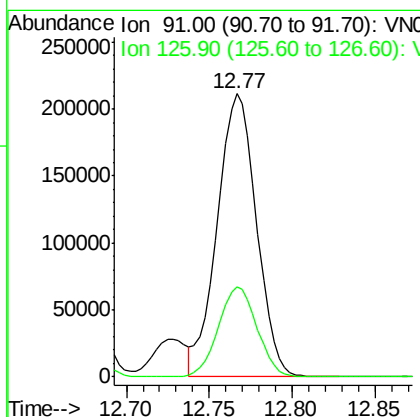
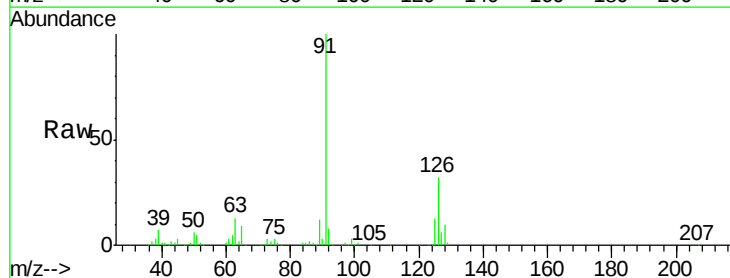
Manual Integrations
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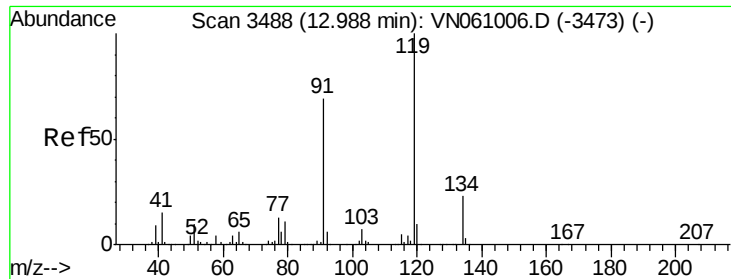
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#82
4-Chlorotoluene
Concen: 51.143 ug/l
RT: 12.77 min Scan# 3419
Delta R.T. 0.00 min
Lab File: VN061092.D
Acq: 20 Apr 2020 11:00

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.3	15.9	47.6





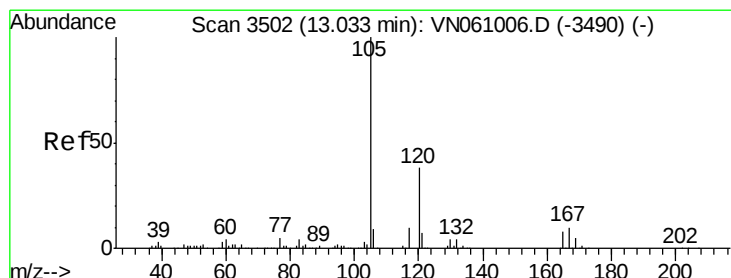
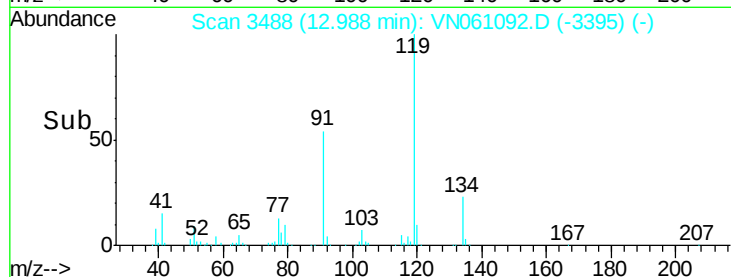
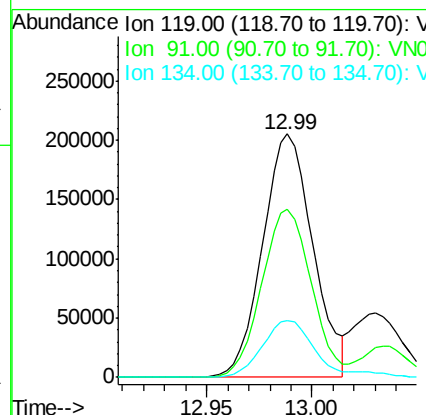
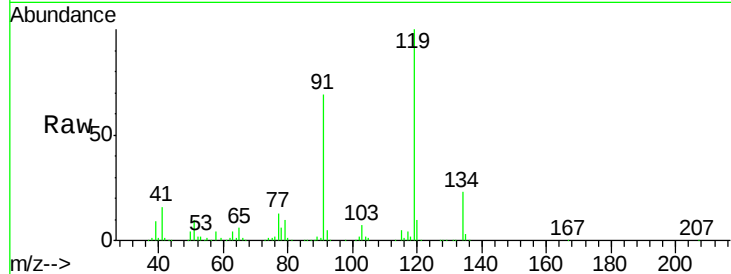
#83
 tert-Butylbenzene
 Concen: 51.452 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. 0.00 min
 Lab File: VN061092.D
 Acq: 20 Apr 2020 11:00

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.5	34.1	102.3
134	25.0	12.4	37.2

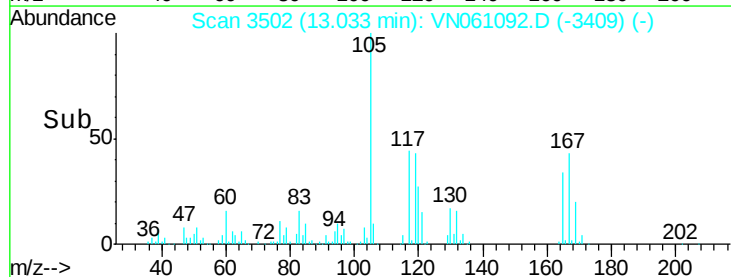
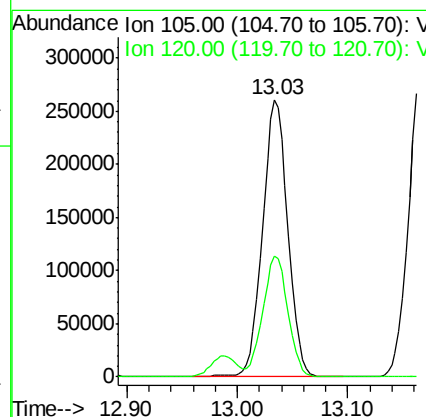
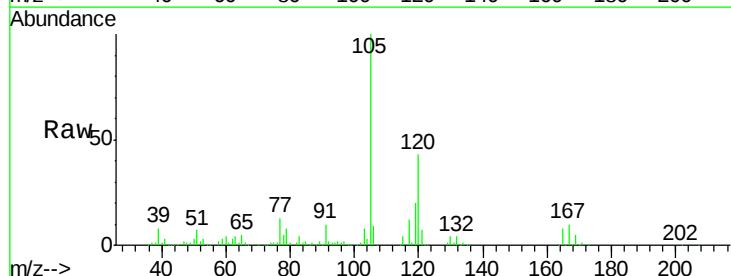
Manual Integrations
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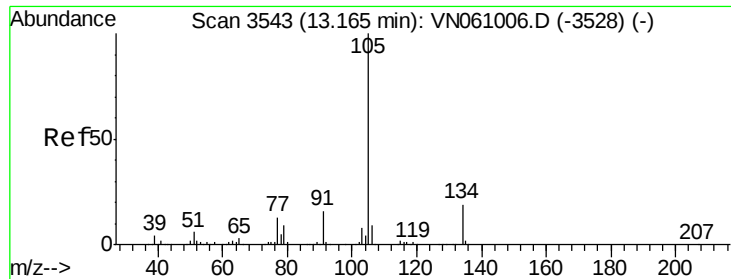
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#84
 1,2,4-Trimethylbenzene
 Concen: 53.098 ug/l
 RT: 13.03 min Scan# 3502
 Delta R.T. 0.00 min
 Lab File: VN061092.D
 Acq: 20 Apr 2020 11:00

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.7	22.1	66.5





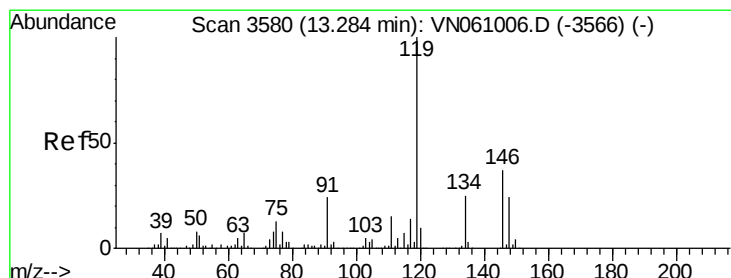
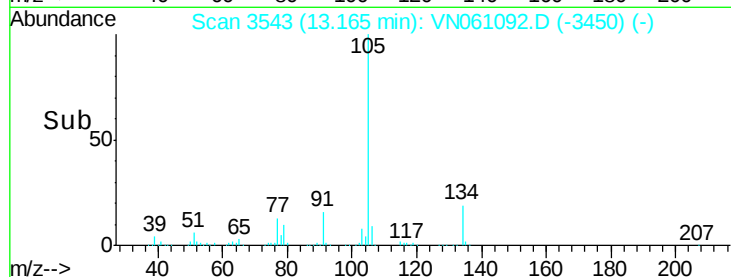
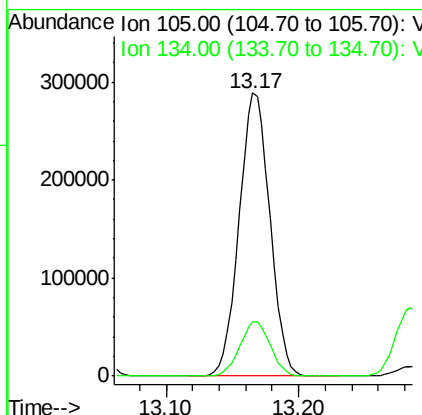
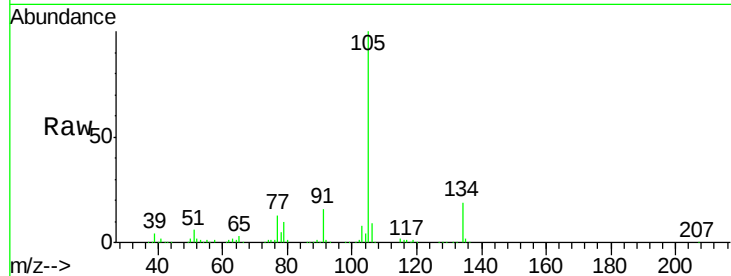
#85
 sec-Butylbenzene
 Concen: 51.714 ug/l
 RT: 13.17 min Scan# 3543
 Delta R.T. 0.00 min
 Lab File: VN061092.D
 Acq: 20 Apr 2020 11:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.1	9.5	28.5

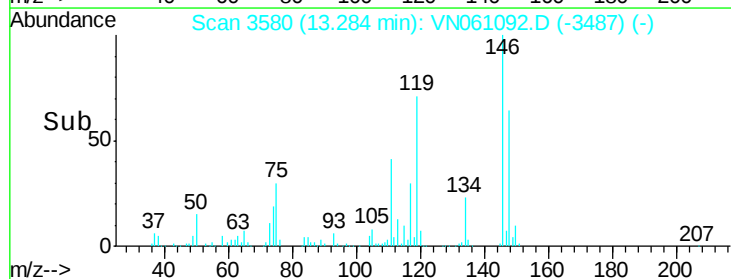
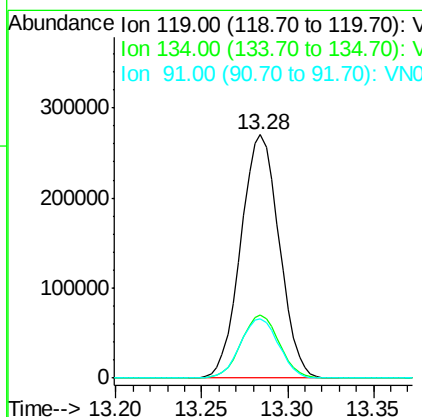
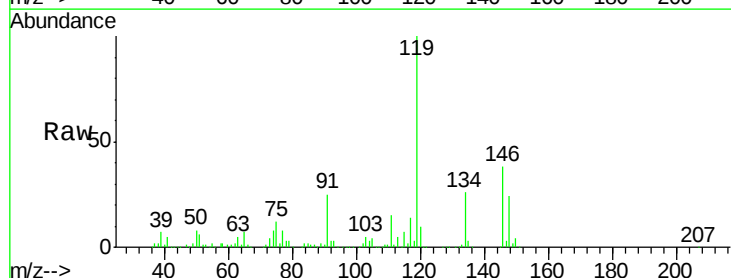
Manual Integrations
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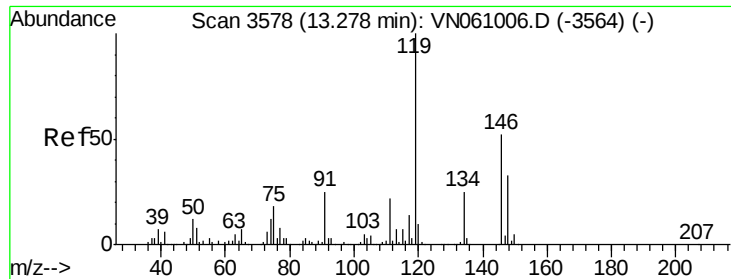
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#86
 p-Isopropyltoluene
 Concen: 52.538 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN061092.D
 Acq: 20 Apr 2020 11:00

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.7	12.8	38.4
91	24.6	12.3	36.8





#87

1,3-Dichlorobenzene

Concen: 50.904 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN061092.D

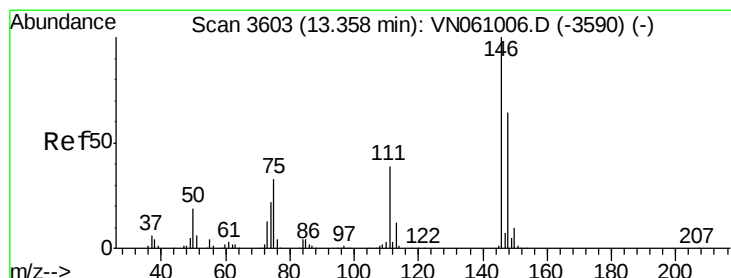
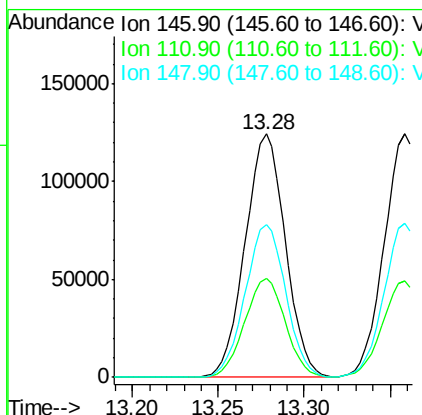
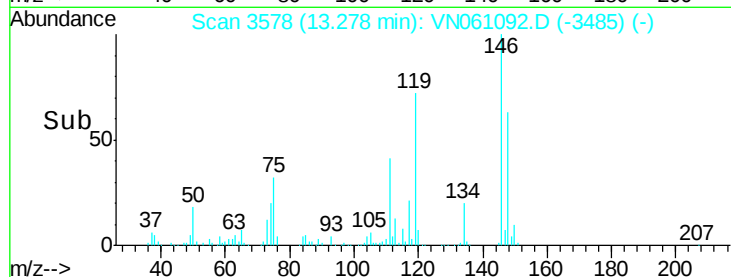
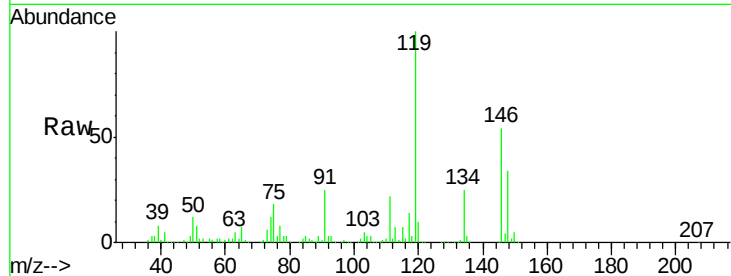
Acq: 20 Apr 2020 11:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	201550		
111	41.0	20.6	61.8	
148	63.2	31.8	95.3	

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#88

1,4-Dichlorobenzene

Concen: 50.193 ug/l

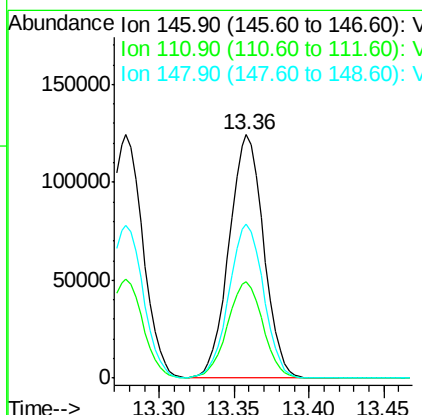
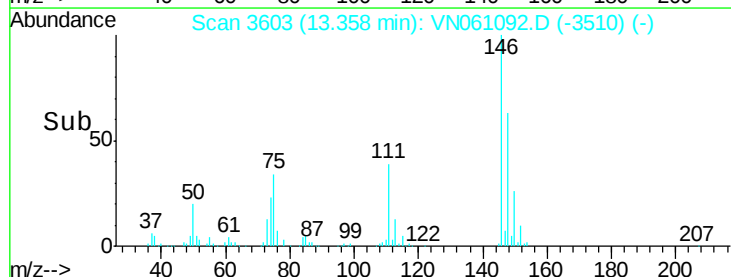
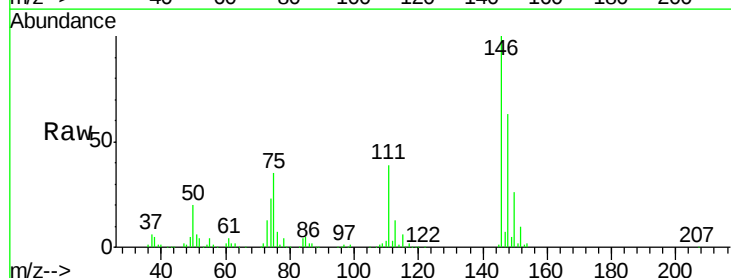
RT: 13.36 min Scan# 3603

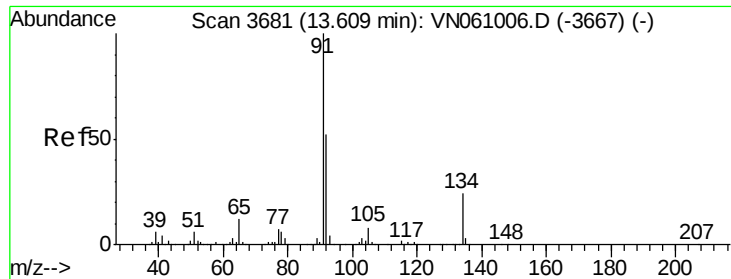
Delta R.T. 0.00 min

Lab File: VN061092.D

Acq: 20 Apr 2020 11:00

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	199932		
111	40.7	20.1	60.3	
148	63.7	32.1	96.3	





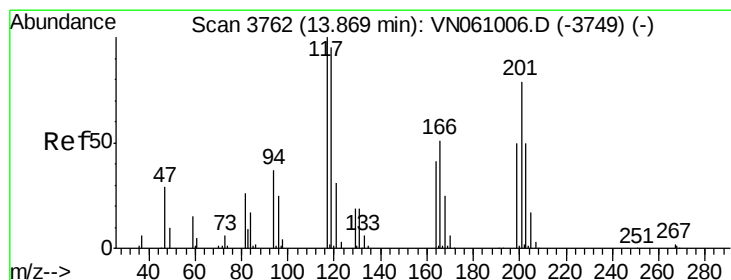
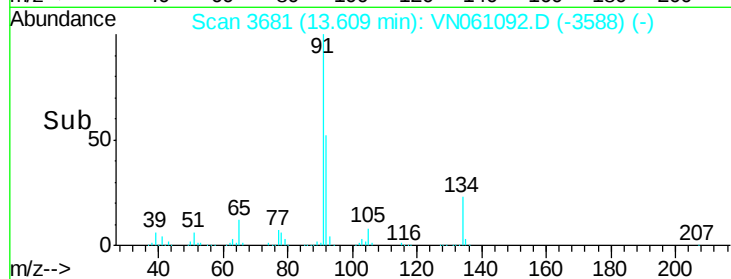
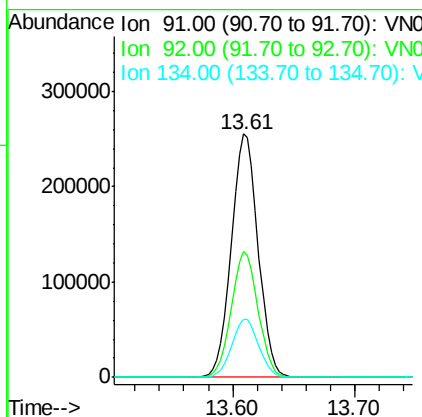
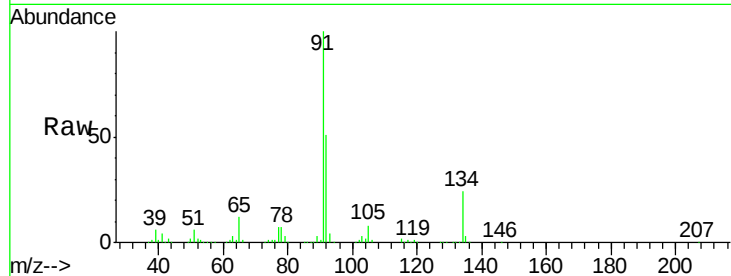
#89
n-Butylbenzene
Concen: 52.417 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. 0.00 min
Lab File: VN061092.D
Acq: 20 Apr 2020 11:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.7	26.1	78.2
134	24.1	12.3	36.8

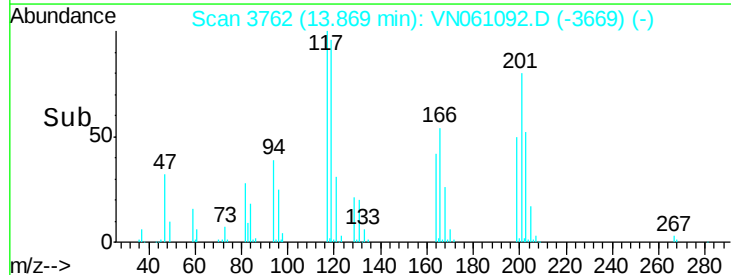
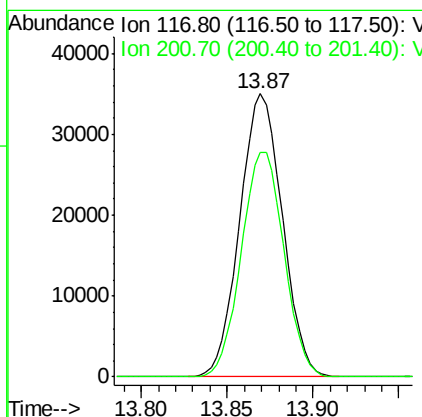
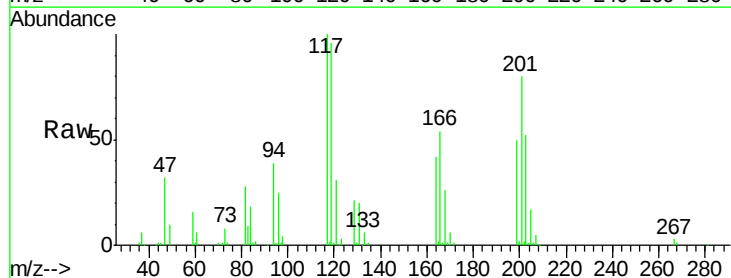
Manual Integrations
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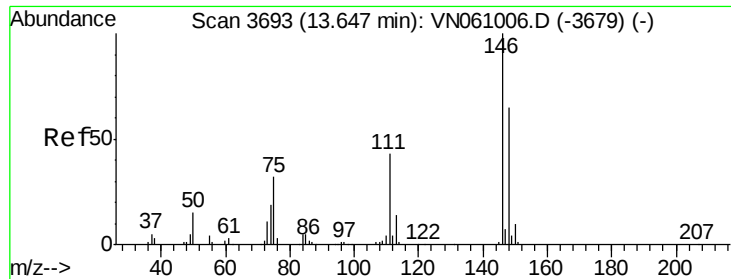
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#90
Hexachloroethane
Concen: 49.076 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. 0.00 min
Lab File: VN061092.D
Acq: 20 Apr 2020 11:00

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.3	39.3	117.9





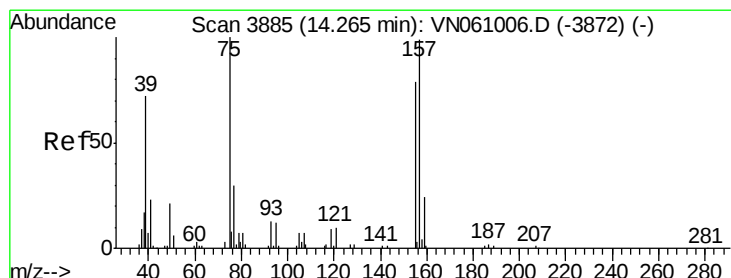
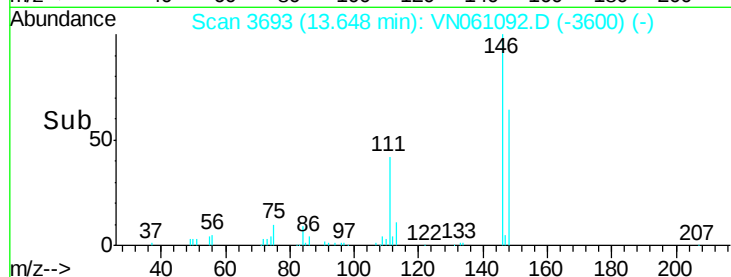
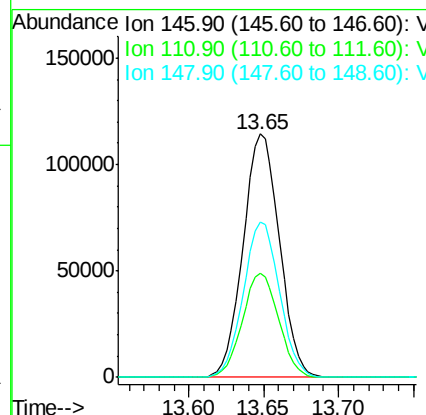
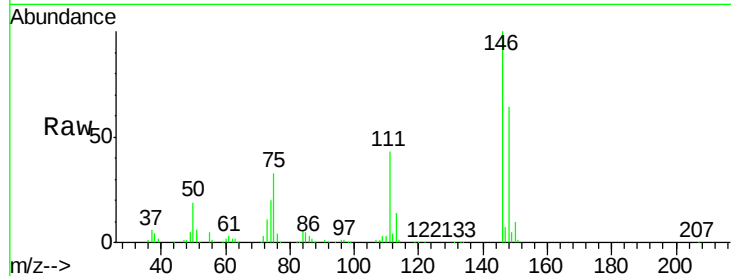
#91
 1,2-Dichlorobenzene
 Concen: 51.169 ug/l
 RT: 13.65 min Scan# 3693
 Delta R.T. 0.00 min
 Lab File: VN061092.D
 Acq: 20 Apr 2020 11:00

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.3	64.0
148	63.5	32.0	96.0

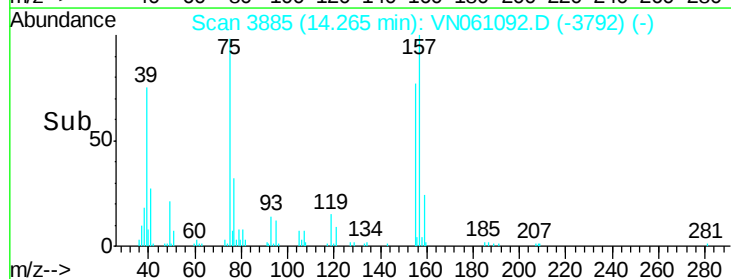
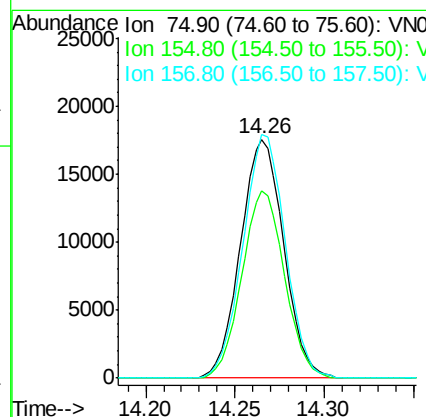
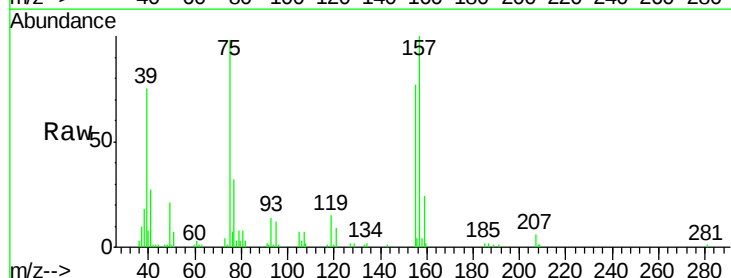
Manual Integrations
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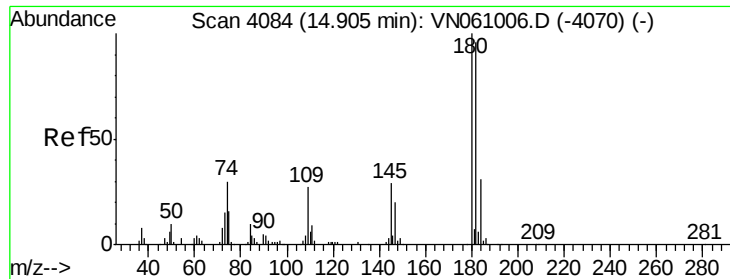
MMDadoda
 4/21/2020 11:59:57 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.758 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN061092.D
 Acq: 20 Apr 2020 11:00

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.1	39.5	118.5
157	100.2	50.1	150.4





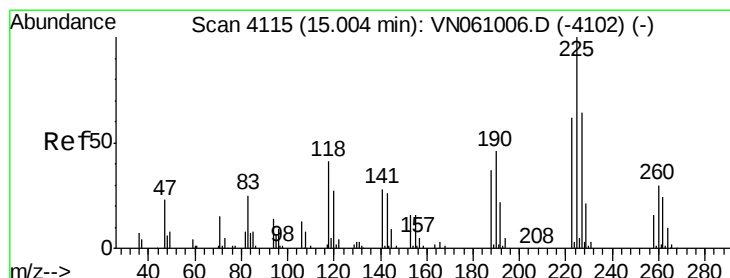
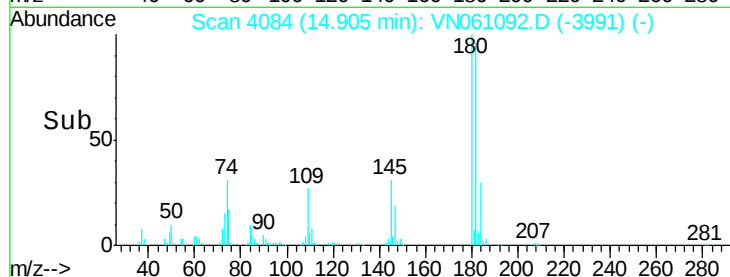
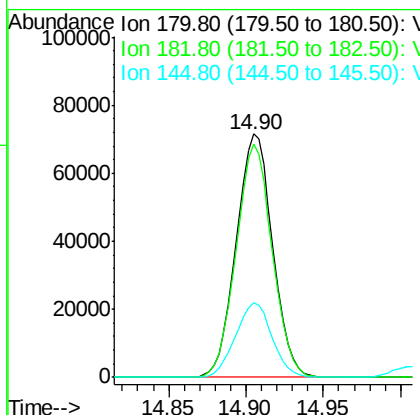
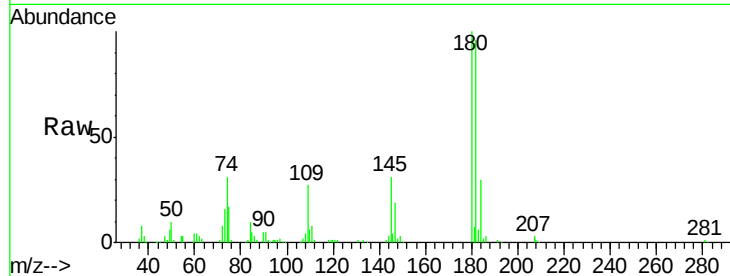
#93
 1,2,4-Trichlorobenzene
 Concen: 52.231 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN061092.D
 Acq: 20 Apr 2020 11:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	116824		
182	94.7	47.8	143.3	
145	30.7	15.3	45.8	

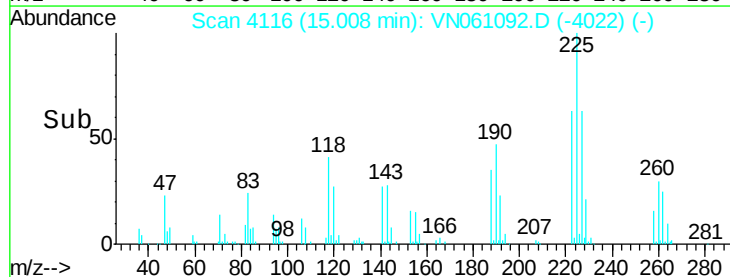
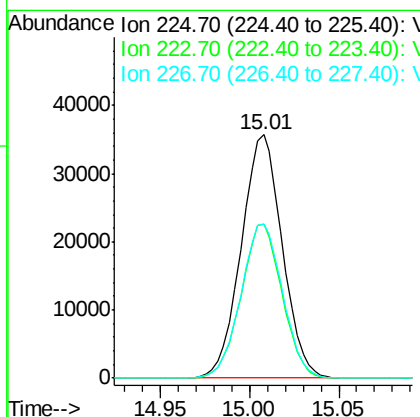
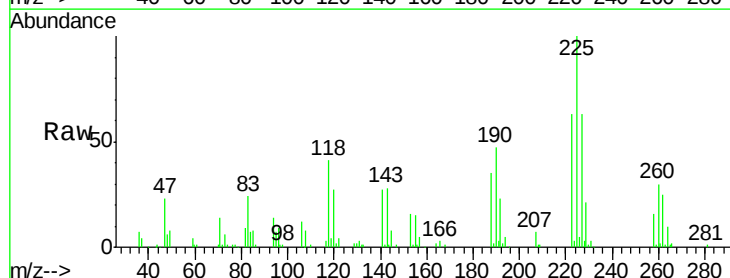
Manual Integrations
 APPROVED

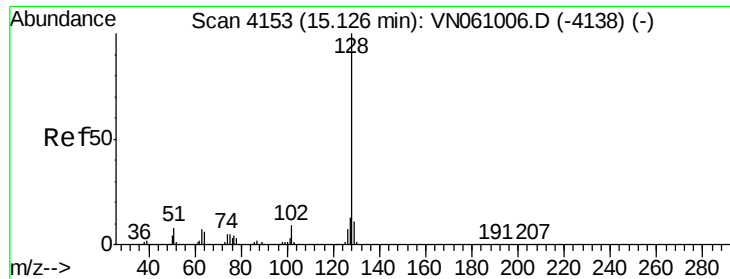
MMDadoda
 4/21/2020 11:59:57 AM



#94
 Hexachlorobutadiene
 Concen: 49.770 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN061092.D
 Acq: 20 Apr 2020 11:00

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	57266		
223	63.1	31.3	93.8	
227	64.3	31.9	95.5	





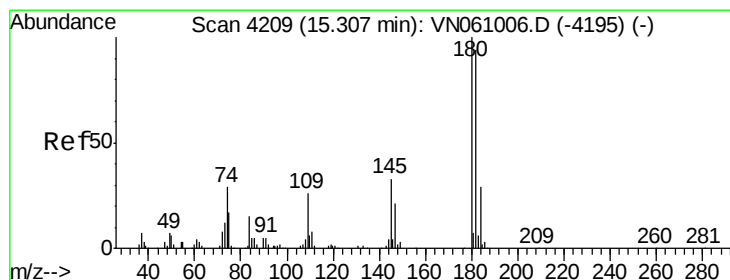
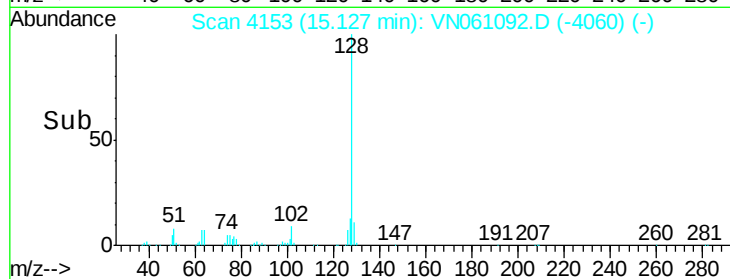
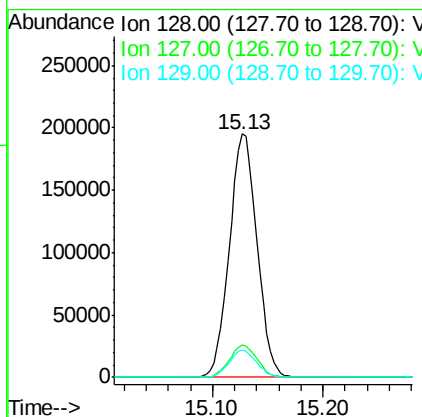
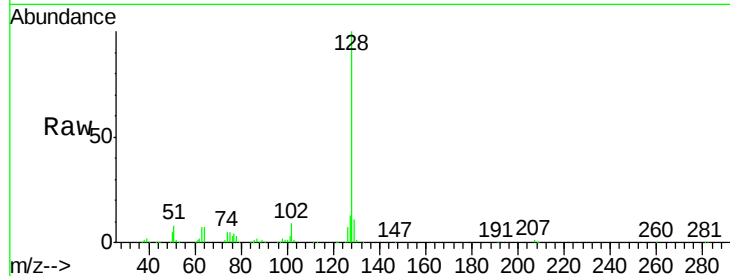
#95
Naphthalene
Concen: 52.001 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. 0.00 min
Lab File: VN061092.D
Acq: 20 Apr 2020 11:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.2	15.4
129	11.0	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
4/21/2020 11:59:57 AM



#96
1,2,3-Trichlorobenzene
Concen: 52.060 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN061092.D
Acq: 20 Apr 2020 11:00

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.6	142.8
145	32.0	16.4	49.2

