

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041620\
 Data File : VN061011.D
 Acq On : 16 Apr 2020 14:52
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/17/2020 11:53:25 AM

Quant Time: Apr 17 04:10:13 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	162880	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	272176	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	248880	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	115923	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	100615	48.28	ug/l	0.00
Spiked Amount			Recovery	=	96.56%	
35) Dibromofluoromethane	7.56	113	78866	49.62	ug/l	0.00
Spiked Amount			Recovery	=	99.24%	
50) Toluene-d8	10.08	98	276920	46.10	ug/l	0.00
Spiked Amount			Recovery	=	92.20%	
62) 4-Bromofluorobenzene	12.39	95	111865	47.52	ug/l	0.00
Spiked Amount			Recovery	=	95.04%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	108924	50.591	ug/l	99
3) Chloromethane	2.04	50	142574	49.353	ug/l	100
4) Vinyl Chloride	2.17	62	118039	49.169	ug/l	100
5) Bromomethane	2.55	94	62697	52.079	ug/l	99
6) Chloroethane	2.69	64	72581	52.411	ug/l	99
7) Trichlorofluoromethane	3.00	101	153382	51.320	ug/l	99
8) Diethyl Ether	3.38	74	64855	54.597	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	88195	50.296	ug/l	100
10) Methyl Iodide	3.93	142	86942	56.202	ug/l	99
11) Tert butyl alcohol	4.72	59	89307	241.536	ug/l	100
12) 1,1-Dichloroethene	3.72	96	89410	50.162	ug/l	99
13) Acrolein	3.57	56	75018	240.293	ug/l	99
14) Allyl chloride	4.29	41	164621	48.813	ug/l	100
15) Acrylonitrile	4.94	53	271194	270.512	ug/l	99
16) Acetone	3.77	43	222644	242.730	ug/l	99
17) Carbon Disulfide	4.03	76	280648	50.318	ug/l	99
18) Methyl Acetate	4.28	43	153014	53.199	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	334103	53.758	ug/l	98
20) Methylene Chloride	4.52	84	105262	52.561	ug/l	99
21) trans-1,2-Dichloroethene	5.00	96	98658	51.750	ug/l	97
22) Diisopropyl ether	5.91	45	374860	53.519	ug/l	98
23) Vinyl Acetate	5.85	43	1477776	269.050	ug/l	100
24) 1,1-Dichloroethane	5.81	63	195478	51.673	ug/l	100
25) 2-Butanone	6.79	43	361552	257.229	ug/l	100
26) 2,2-Dichloropropane	6.79	77	159264	50.563	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	114969	52.528	ug/l	99
28) Bromochloromethane	7.17	49	87555	50.421	ug/l	98
29) Tetrahydrofuran	7.18	42	244406	256.131	ug/l	99
30) Chloroform	7.34	83	185530	52.580	ug/l	99
31) Cyclohexane	7.63	56	182426	46.994	ug/l	97
32) 1,1,1-Trichloroethane	7.54	97	154658	50.673	ug/l	99
36) 1,1-Dichloropropene	7.77	75	142759	50.829	ug/l	99
37) Ethyl Acetate	6.89	43	154957	50.811	ug/l	99
38) Carbon Tetrachloride	7.75	117	123583	52.862	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	174310	51.911	ug/l	98
40) Benzene	8.02	78	428501	51.427	ug/l	100
41) Methacrylonitrile	7.14	41	72116m	56.694	ug/l	
42) 1,2-Dichloroethane	8.10	62	155724	54.863	ug/l	100
43) Isopropyl Acetate	8.14	43	265219	53.472	ug/l	99
44) Trichloroethene	8.81	130	107992	51.581	ug/l	99
45) 1,2-Dichloropropane	9.10	63	120262	53.437	ug/l	100
46) Dibromomethane	9.19	93	72916	56.194	ug/l	100
47) Bromodichloromethane	9.38	83	148714	54.252	ug/l	99
48) Methyl methacrylate	9.18	41	118817	54.207	ug/l	99
49) 1,4-Dioxane	9.18	88	29371	965.519	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	767132	268.298	ug/l	100
52) Toluene	10.14	92	258413	51.697	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	177510	55.749	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	190154	54.734	ug/l	100
55) 1,1,2-Trichloroethane	10.55	97	103884	54.918	ug/l	98
56) Ethyl methacrylate	10.41	69	169539	56.996	ug/l	99
57) 1,3-Dichloropropane	10.69	76	182815	54.182	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	351284	259.895	ug/l	99
59) 2-Hexanone	10.74	43	547947	265.731	ug/l	100
60) Dibromochloromethane	10.89	129	107544	55.344	ug/l	100
61) 1,2-Dibromoethane	10.99	107	105933	54.957	ug/l	99
64) Tetrachloroethene	10.62	164	97969	51.442	ug/l	99
65) Chlorobenzene	11.42	112	266006	51.774	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	97916	53.269	ug/l	99
67) Ethyl Benzene	11.50	91	499176	51.651	ug/l	99
68) m/p-Xylenes	11.61	106	365644	104.688	ug/l	100
69) o-Xylene	11.94	106	177272	52.789	ug/l	99
70) Styrene	11.96	104	298605	55.233	ug/l	99
71) Bromoform	12.12	173	77479	56.469	ug/l	# 100
73) Isopropylbenzene	12.24	105	467793	50.370	ug/l	99
74) N-amyl acetate	12.06	43	228824	52.983	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	148553	52.400	ug/l	99
76) 1,2,3-Trichloropropane	12.54	75	137050m	53.749	ug/l	
77) Bromobenzene	12.52	156	111635	51.483	ug/l	100
78) n-propylbenzene	12.58	91	562643	51.781	ug/l	99
79) 2-Chlorotoluene	12.67	91	327839	51.444	ug/l	99
80) 1,3,5-Trimethylbenzene	12.72	105	400637	52.190	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	53709	51.955	ug/l	99
82) 4-Chlorotoluene	12.77	91	341857	51.723	ug/l	100
83) tert-Butylbenzene	12.99	119	325893	50.480	ug/l	99
84) 1,2,4-Trimethylbenzene	13.03	105	398217	52.480	ug/l	100
85) sec-Butylbenzene	13.17	105	449095	51.341	ug/l	100
86) p-Isopropyltoluene	13.28	119	409968	52.633	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	199536	51.635	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	201142	51.738	ug/l	99
89) n-Butylbenzene	13.61	91	384947	53.145	ug/l	99
90) Hexachloroethane	13.87	117	61782	51.698	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	193967	52.591	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	30025	54.724	ug/l	98

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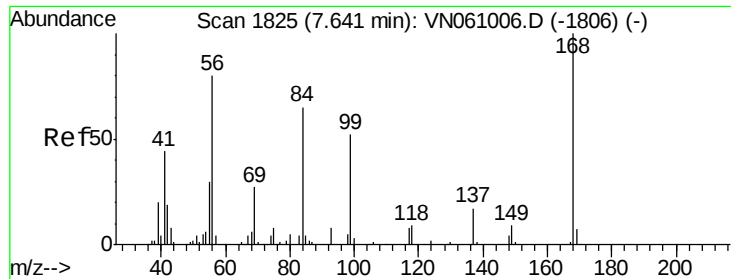
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	120838	55.354	ug/l	99
94) Hexachlorobutadiene	15.00	225	58474	52.069	ug/l	100
95) Naphthalene	15.13	128	343780	53.999	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	113396	53.901	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN061011.D

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Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 162880

Ion Ratio Lower Upper

168 100

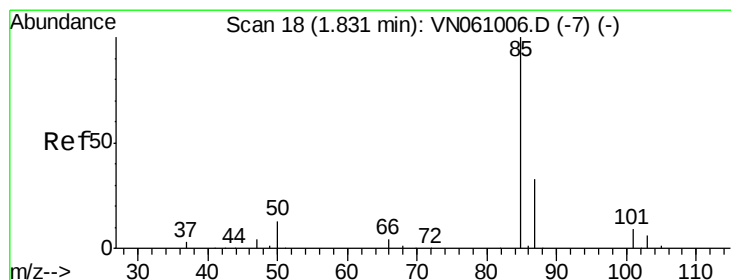
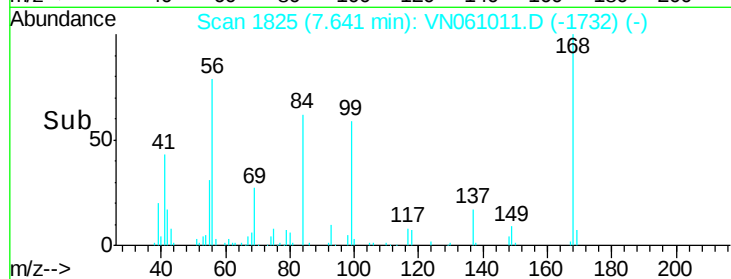
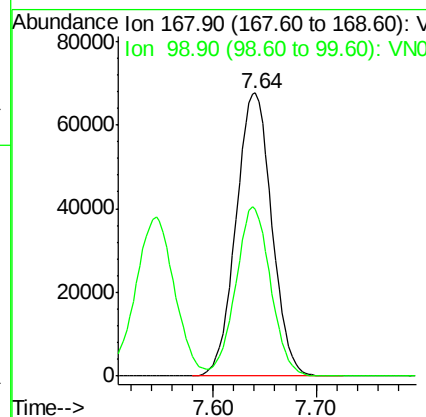
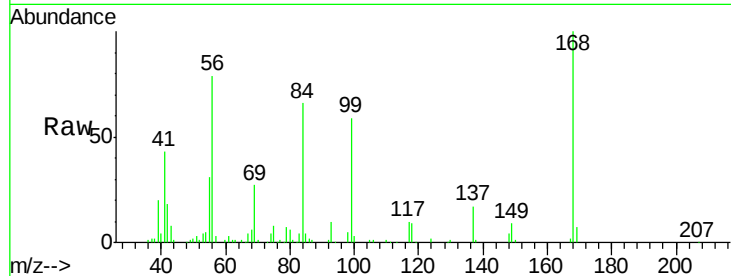
99 58.8 47.4 71.2

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#2

Dichlorodifluoromethane

Concen: 50.591 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061011.D

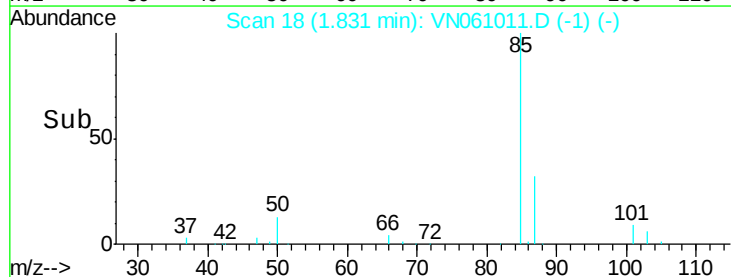
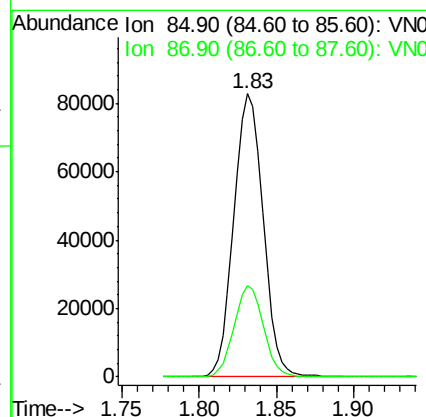
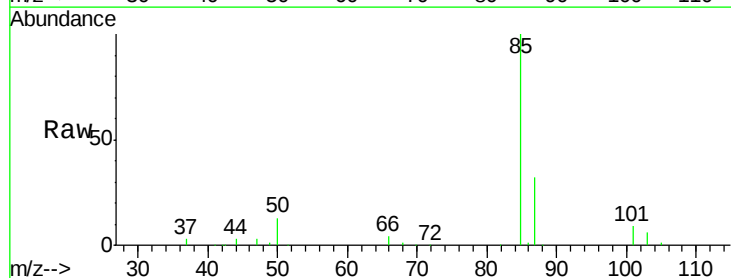
Acq: 16 Apr 2020 14:52

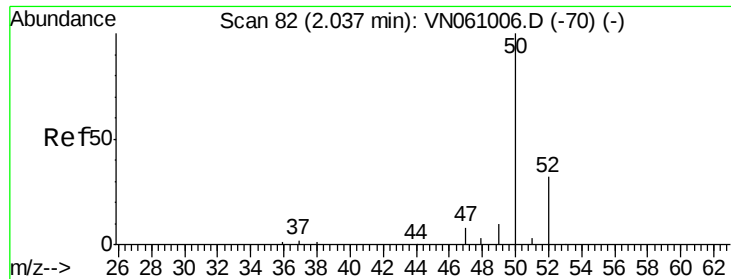
Tgt Ion: 85 Resp: 108924

Ion Ratio Lower Upper

85 100

87 32.2 16.3 48.9





#3

Chloromethane

Concen: 49.353 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN061011.D

Acq: 16 Apr 2020 14:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 142574

Ion Ratio Lower Upper

50 100

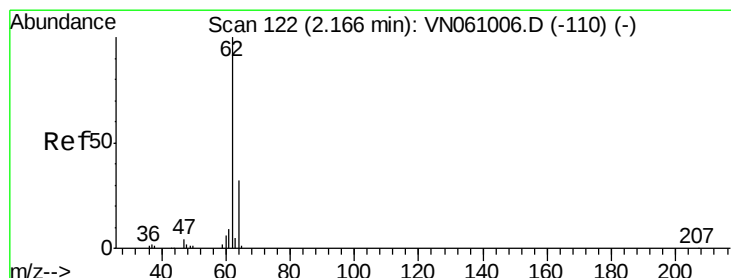
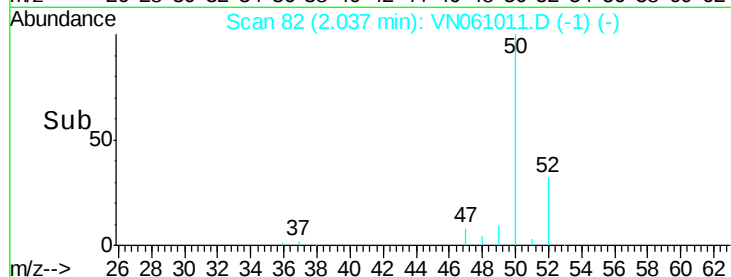
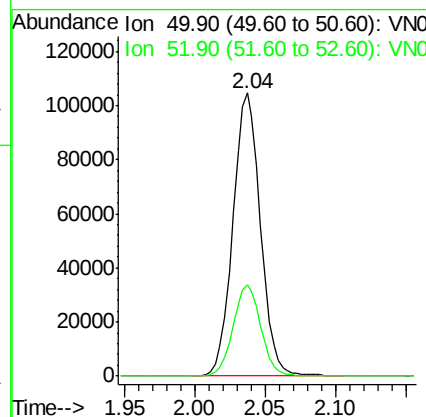
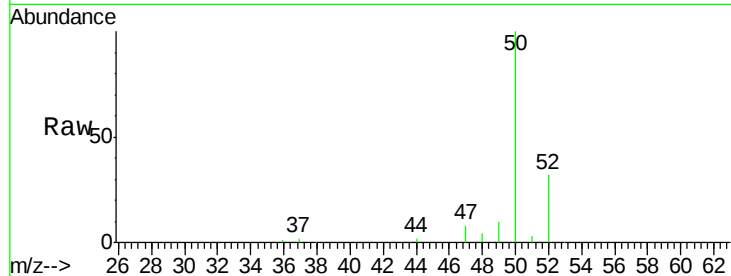
52 32.2 25.6 38.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 49.169 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN061011.D

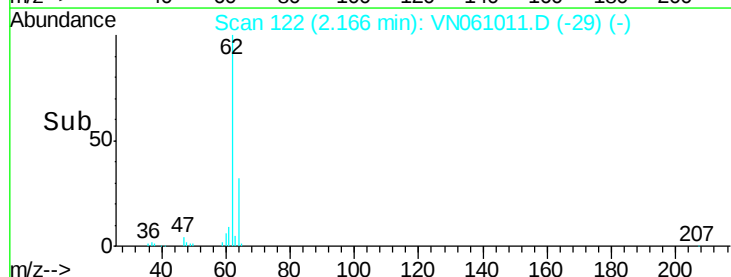
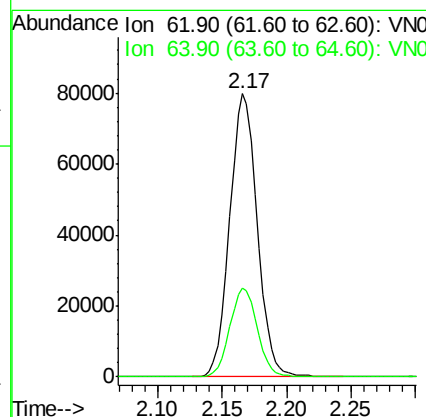
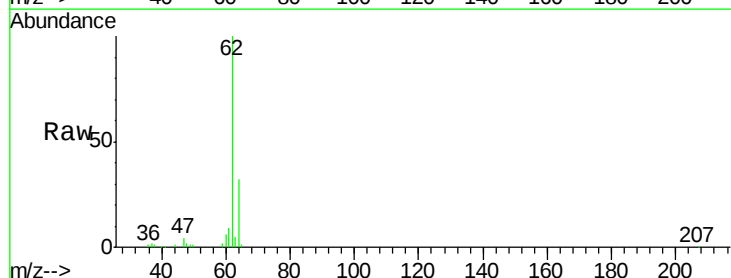
Acq: 16 Apr 2020 14:52

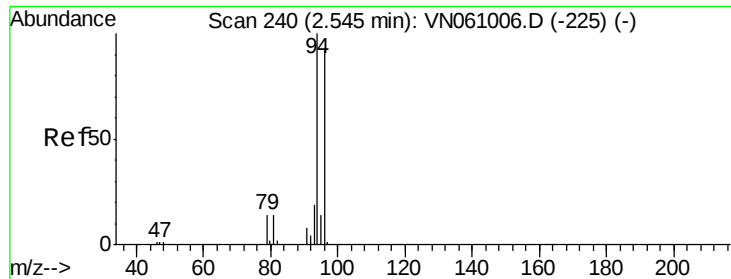
Tgt Ion: 62 Resp: 118039

Ion Ratio Lower Upper

62 100

64 31.5 25.4 38.0





#5

Bromomethane

Concen: 52.079 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VN061011.D

Acq: 16 Apr 2020 14:52

Instrument :

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Tot Ion: 94 Resp: 62697

Ion Ratio Lower Upper

94 100

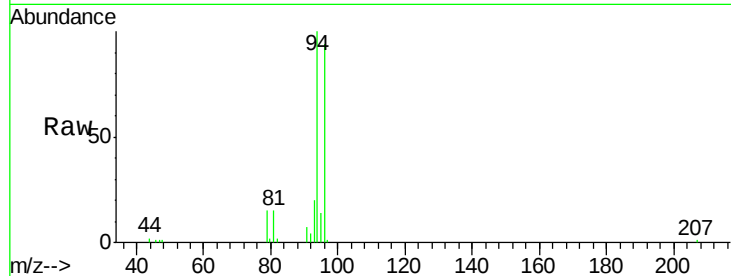
96 93.7 74.3 111.5

Manual Integrations

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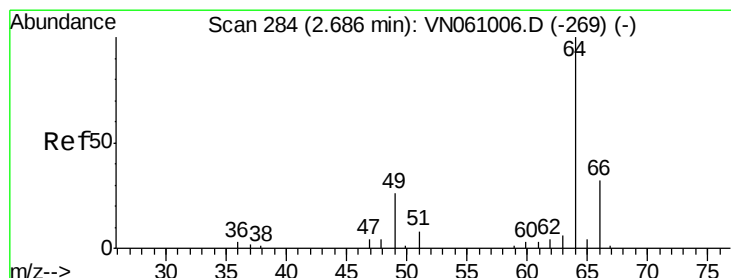
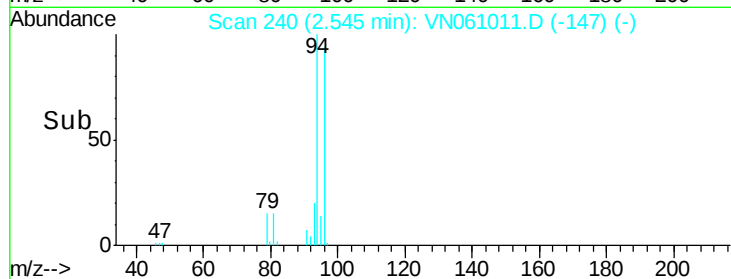
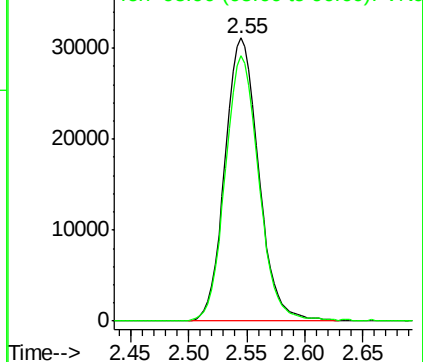
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 52.411 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN061011.D

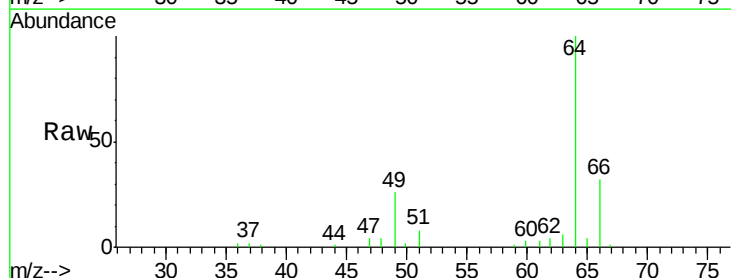
Acq: 16 Apr 2020 14:52

Tgt Ion: 64 Resp: 72581

Ion Ratio Lower Upper

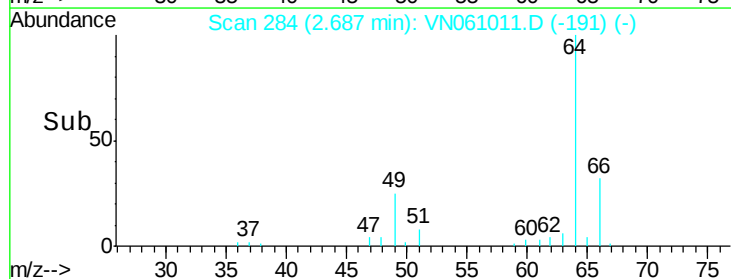
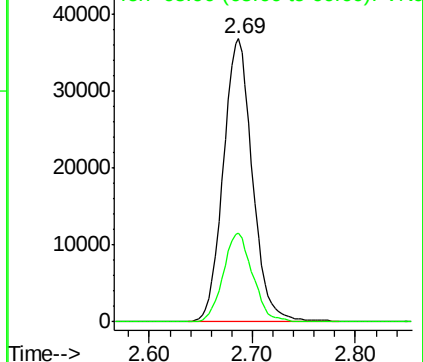
64 100

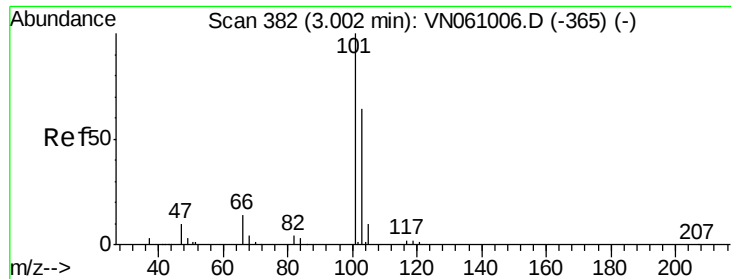
66 31.6 25.8 38.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

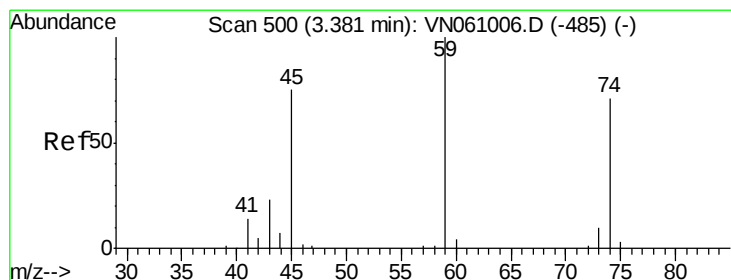
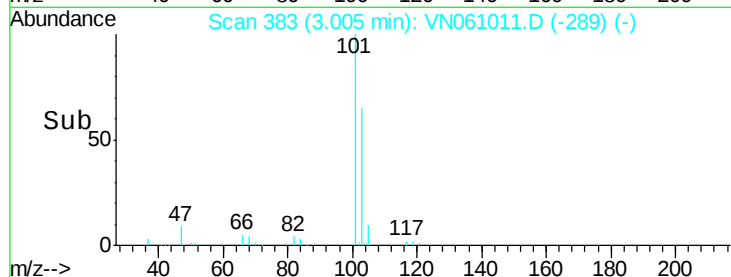
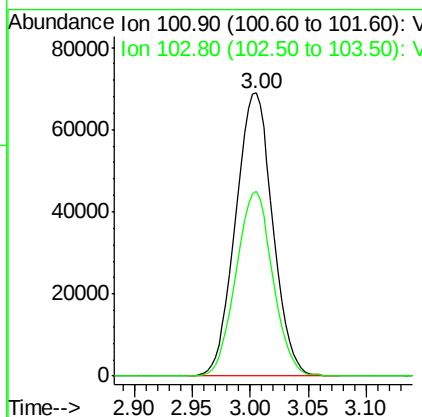
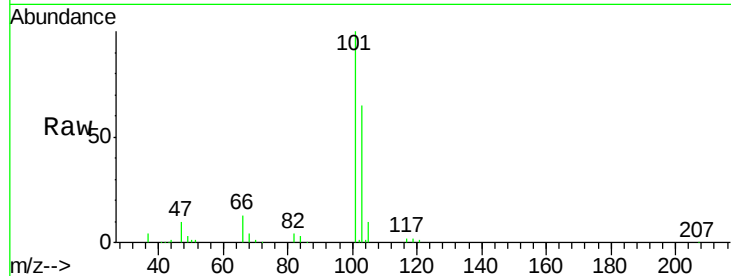
Trichlorofluoromethane
Concen: 51.320 ug/l
RT: 3.00 min Scan# 383
Delta R.T. 0.00 min
Lab File: VN061011.D
Acq: 16 Apr 2020 14:52

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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.2	51.4	77.2

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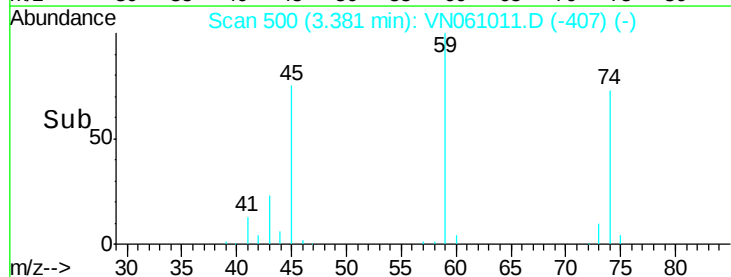
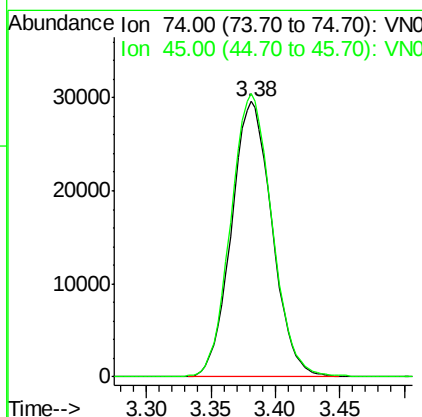
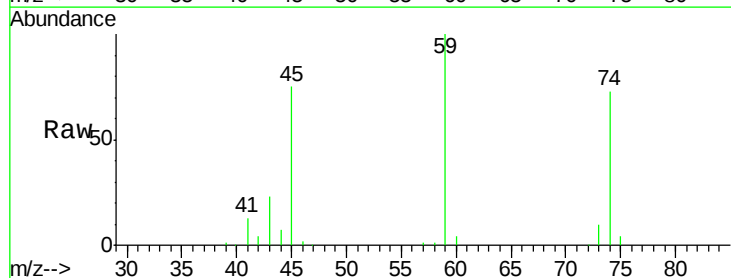
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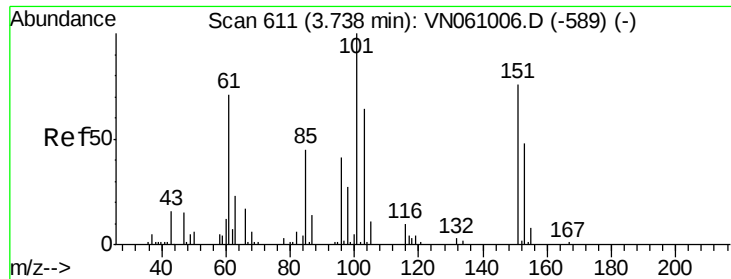


#8

Diethyl Ether
Concen: 54.597 ug/l
RT: 3.38 min Scan# 500
Delta R.T. 0.00 min
Lab File: VN061011.D
Acq: 16 Apr 2020 14:52

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.5	52.9	158.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.296 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN061011.D

Acq: 16 Apr 2020 14:52

Instrument :

MSVOA_N

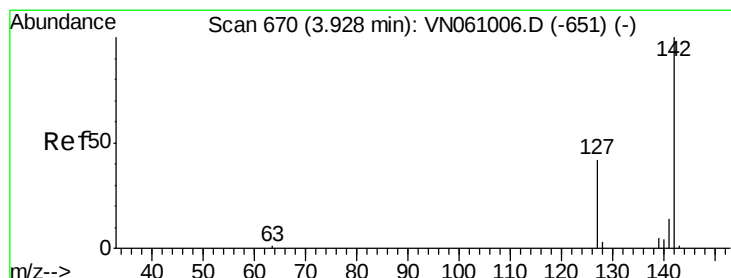
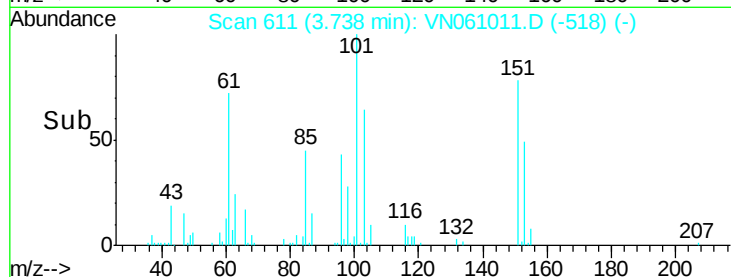
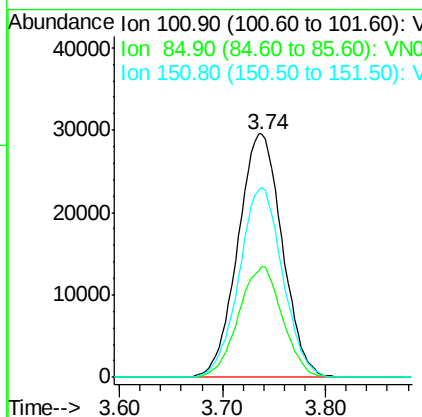
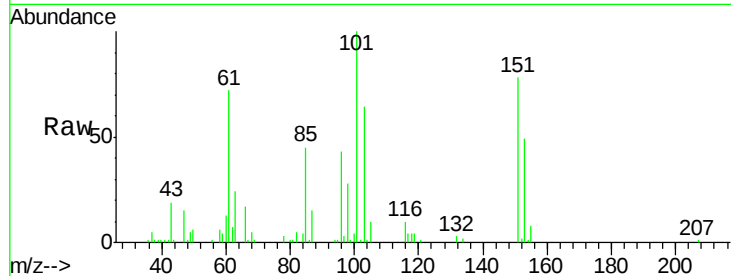
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	88195
Ion Ratio	Lower	Upper	
101	100		
85	44.9	35.9	53.9
151	76.6	60.8	91.2

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4/17/2020 11:53:25 AM



#10

Methyl Iodide

Concen: 56.202 ug/l

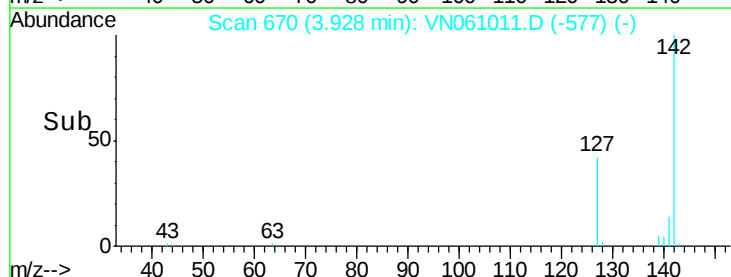
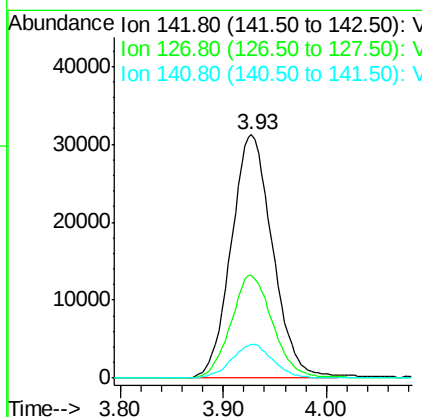
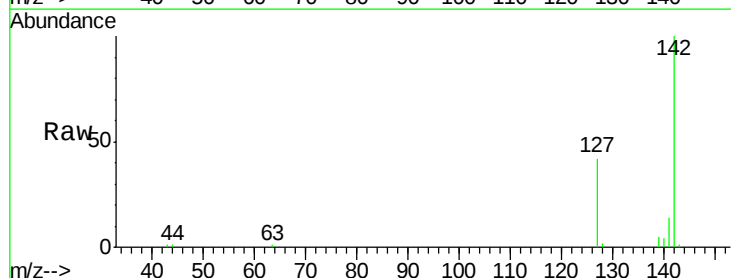
RT: 3.93 min Scan# 670

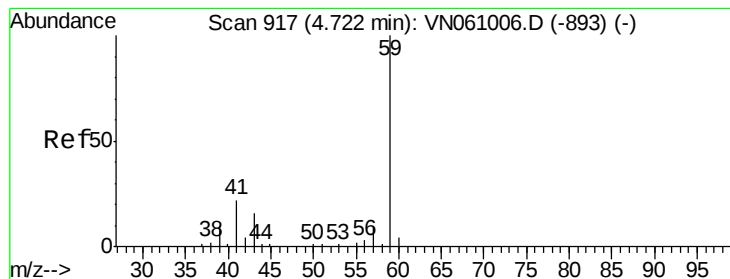
Delta R.T. 0.00 min

Lab File: VN061011.D

Acq: 16 Apr 2020 14:52

Tgt Ion:	142	Resp:	86942
Ion Ratio	Lower	Upper	
142	100		
127	42.8	33.4	50.2
141	13.7	11.0	16.6





#11

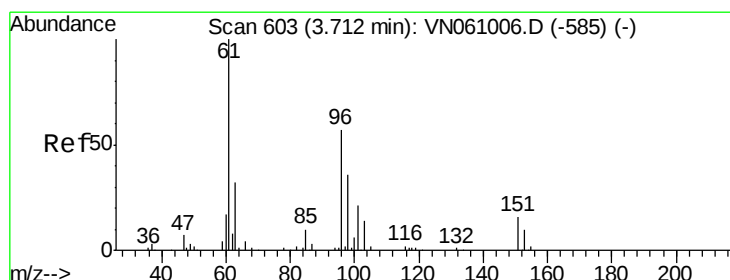
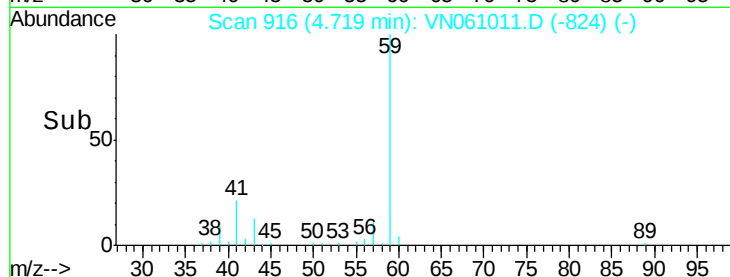
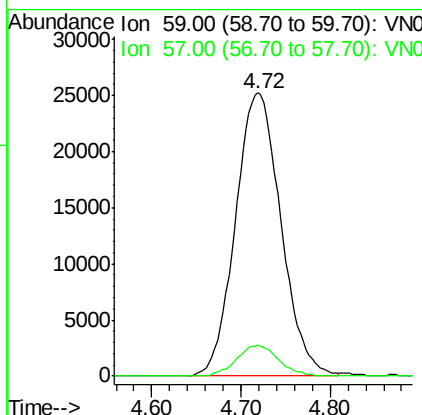
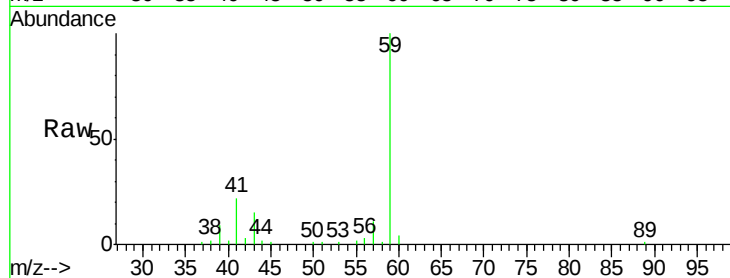
Tert butyl alcohol
 Concen: 241.536 ug/l
 RT: 4.72 min Scan# 916
 Delta R.T. -0.00 min
 Lab File: VN061011.D
 Acq: 16 Apr 2020 14:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.1	12.1

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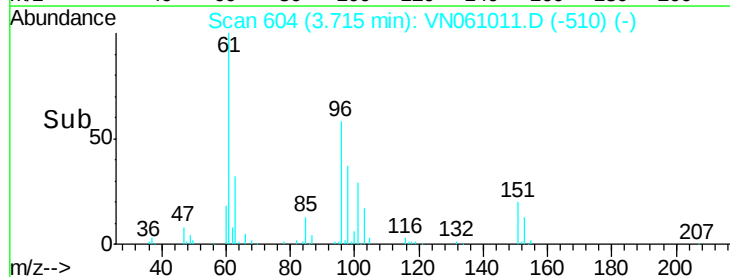
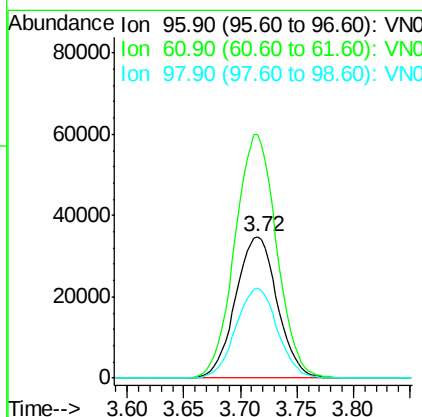
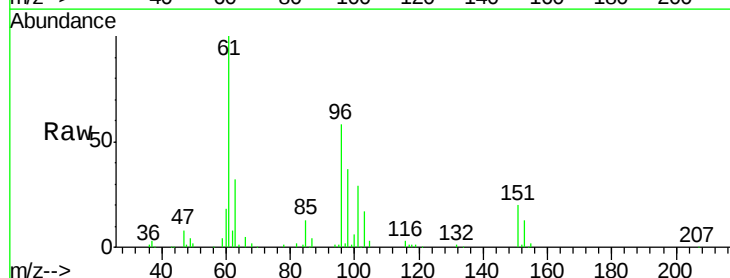
MMDadoda
 4/17/2020 11:53:25 AM

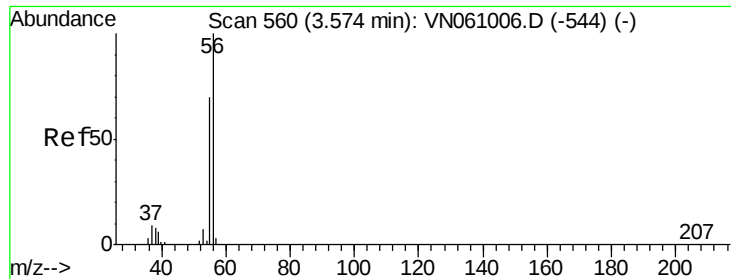


#12

1,1-Dichloroethene
 Concen: 50.162 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN061011.D
 Acq: 16 Apr 2020 14:52

Tgt Ion	Ratio	Lower	Upper
96	100		
61	171.8	139.2	208.8
98	63.1	50.0	75.0





#13

Acrolein

Concen: 240.293 ug/l

RT: 3.57 min Scan# 560

Delta R.T. 0.00 min

Lab File: VN061011.D

Acq: 16 Apr 2020 14:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 75018

Ion Ratio Lower Upper

56 100

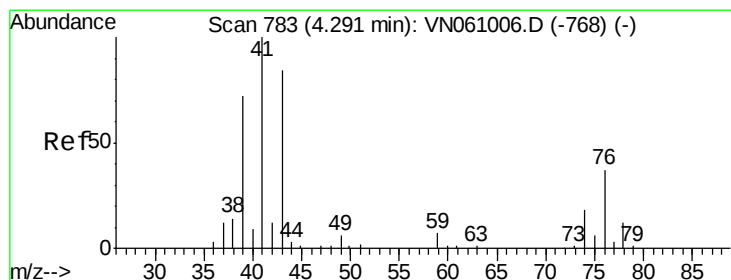
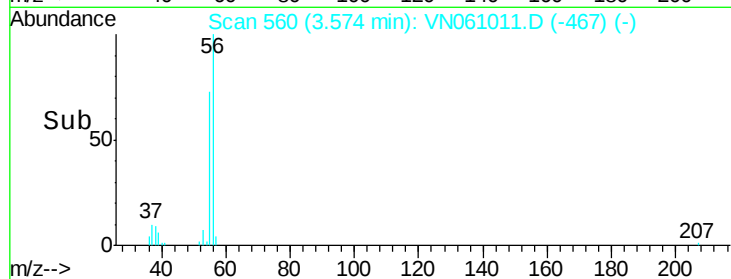
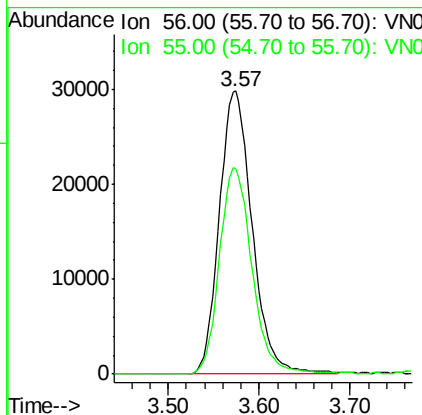
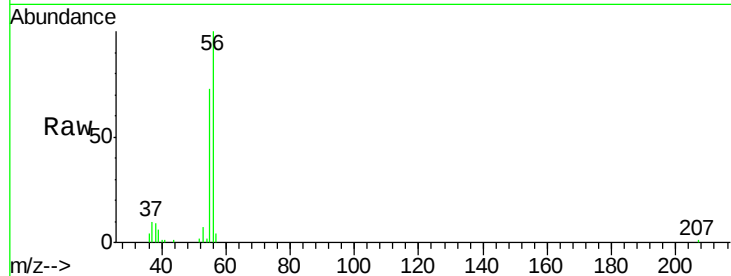
55 72.0 57.0 85.6

Manual Integrations

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#14

Allyl chloride

Concen: 48.813 ug/l

RT: 4.29 min Scan# 783

Delta R.T. 0.00 min

Lab File: VN061011.D

Acq: 16 Apr 2020 14:52

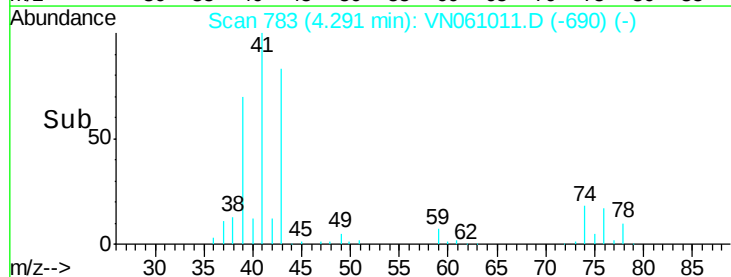
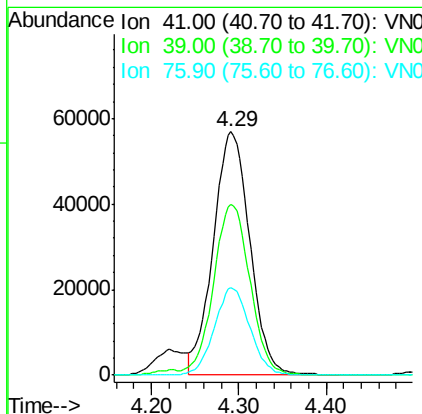
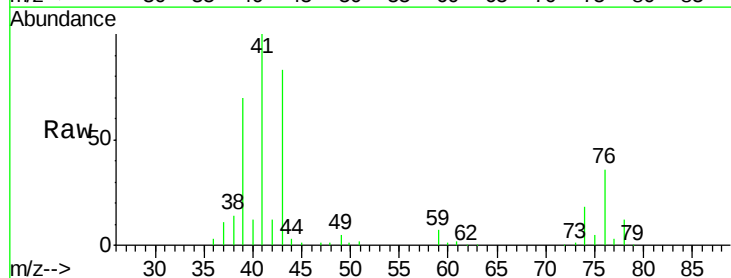
Tgt Ion: 41 Resp: 164621

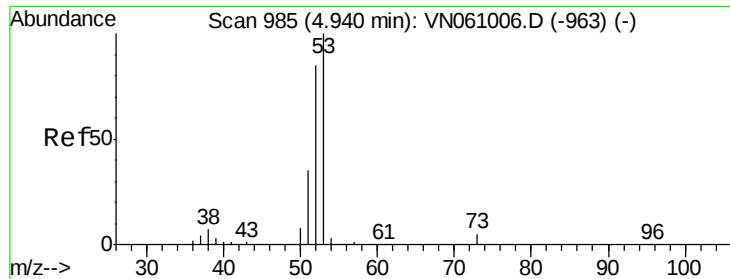
Ion Ratio Lower Upper

41 100

39 70.2 56.3 84.5

76 34.9 27.7 41.5





#15

Acrylonitrile

Concen: 270.512 ug/l

RT: 4.94 min Scan# 984

Delta R.T. -0.00 min

Lab File: VN061011.D

Acq: 16 Apr 2020 14:52

Instrument :

MSVOA_N

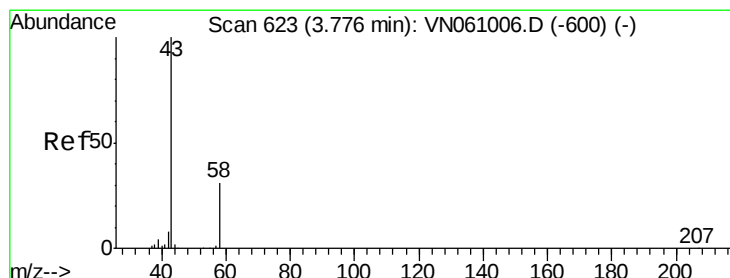
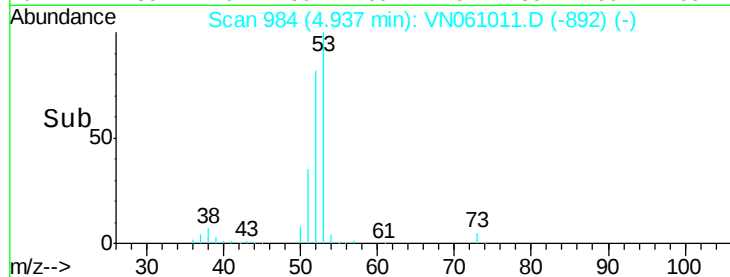
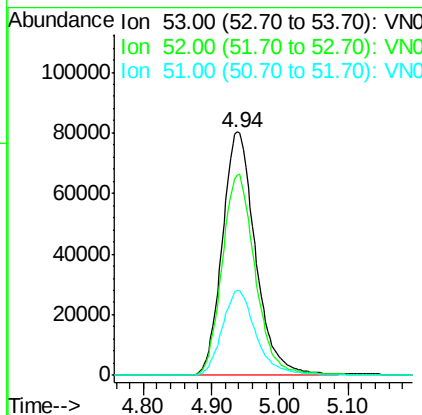
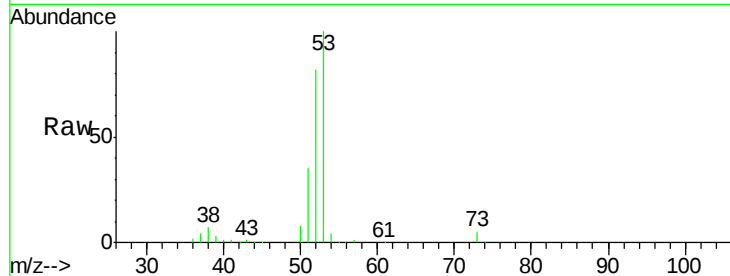
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	271194
Ion	Ratio	Lower	Upper
53	100		
52	82.1	66.8	100.2
51	35.5	28.9	43.3

Manual Integrations
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#16

Acetone

Concen: 242.730 ug/l

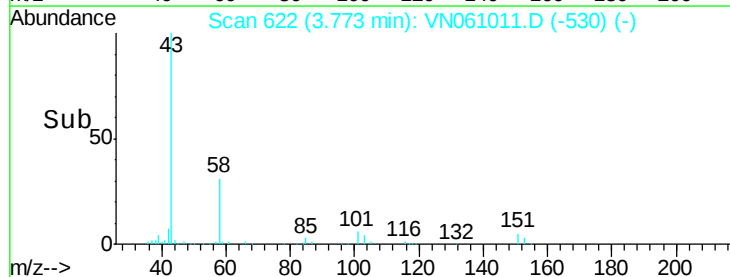
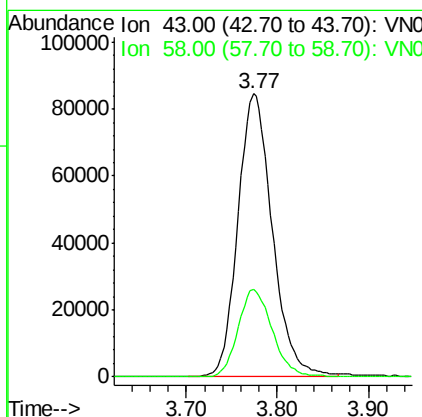
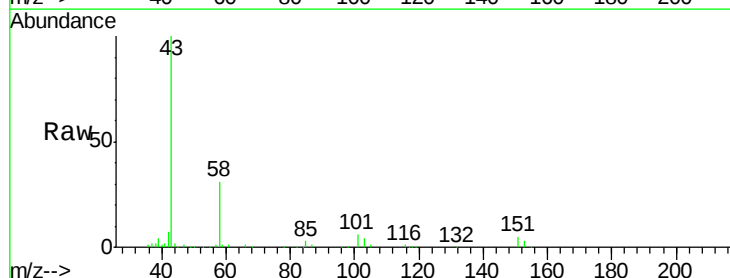
RT: 3.77 min Scan# 622

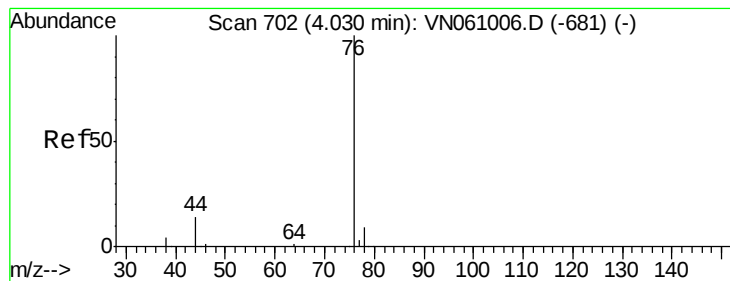
Delta R.T. -0.00 min

Lab File: VN061011.D

Acq: 16 Apr 2020 14:52

Tgt Ion:	43	Resp:	222644
Ion	Ratio	Lower	Upper
43	100		
58	31.1	24.6	37.0





#17

Carbon Disulfide

Concen: 50.318 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN061011.D

Acq: 16 Apr 2020 14:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 280648

Ion Ratio Lower Upper

76 100

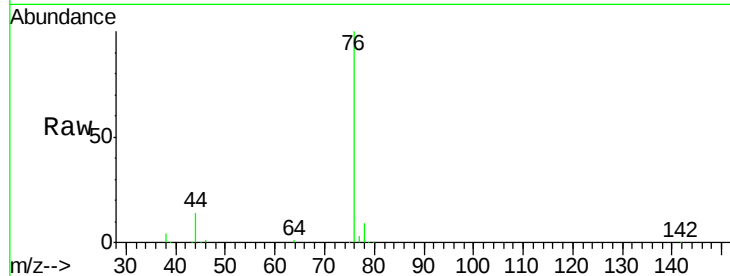
78 9.1 7.6 11.4

Manual Integrations

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MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VN061006.D (-681) (-)

Ion 77.90 (77.60 to 78.60): VN061006.D (-681) (-)

4.03

120000

100000

80000

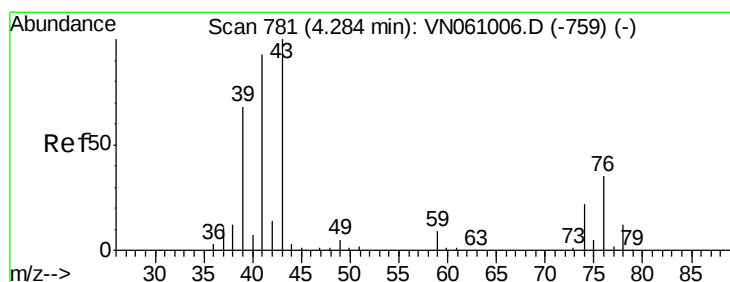
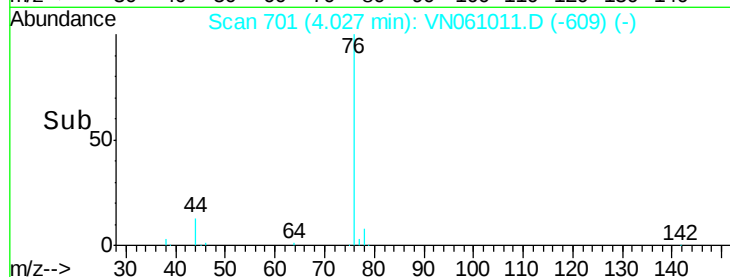
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 53.199 ug/l

RT: 4.28 min Scan# 780

Delta R.T. -0.00 min

Lab File: VN061011.D

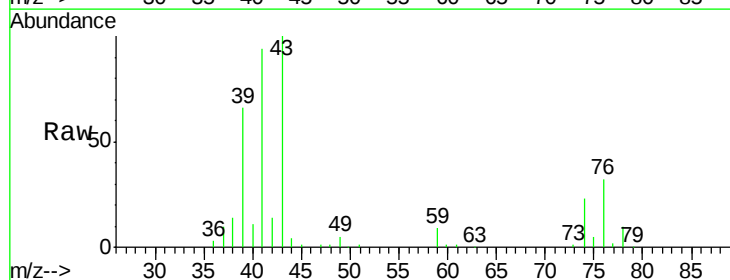
Acq: 16 Apr 2020 14:52

Tgt Ion: 43 Resp: 153014

Ion Ratio Lower Upper

43 100

74 21.7 17.4 26.0



Abundance Ion 43.00 (42.70 to 43.70): VN061006.D (-759) (-)

Ion 74.00 (73.70 to 74.70): VN061006.D (-759) (-)

4.28

60000

50000

40000

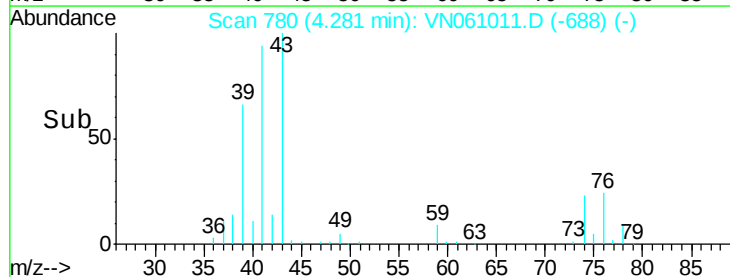
30000

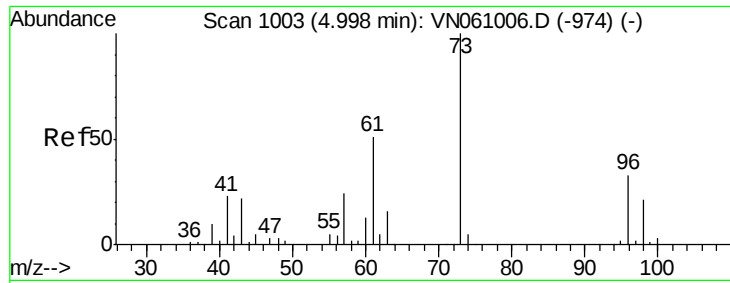
20000

10000

0

Time-->





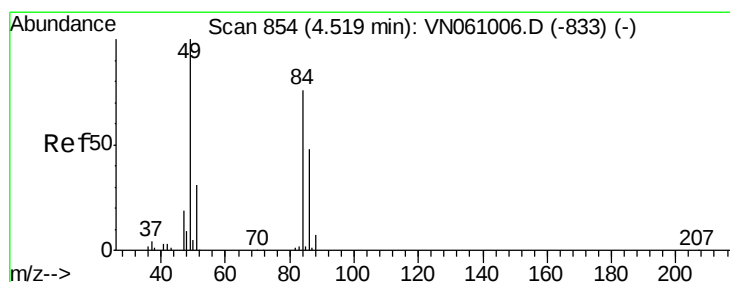
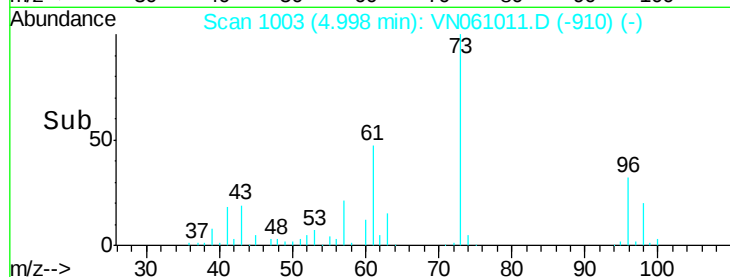
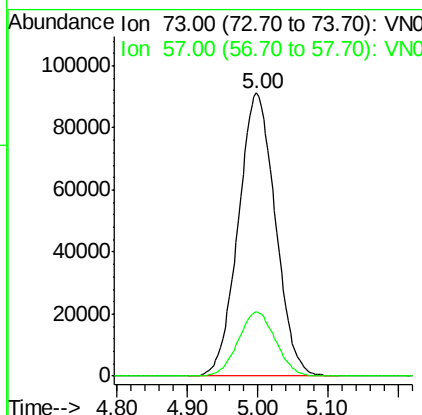
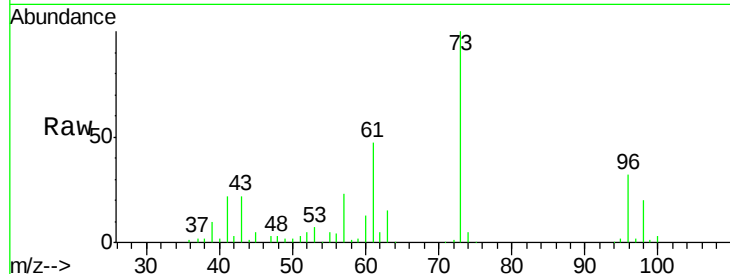
#19
Methvl tert-butvl Ether
Concen: 53.758 ug/l
RT: 5.00 min Scan# 1003
Delta R.T. 0.00 min
Lab File: VN061011.D
Acq: 16 Apr 2020 14:52

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 73 Resp: 334103
Ion Ratio Lower Upper
73 100
57 22.6 19.0 28.4

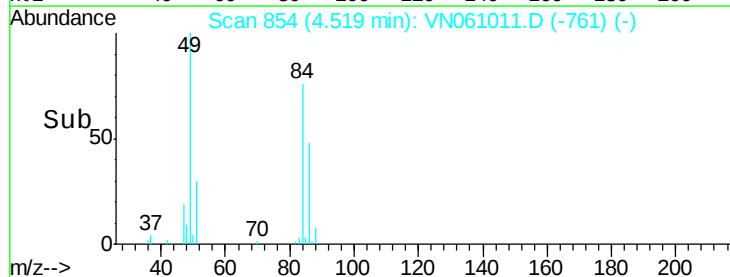
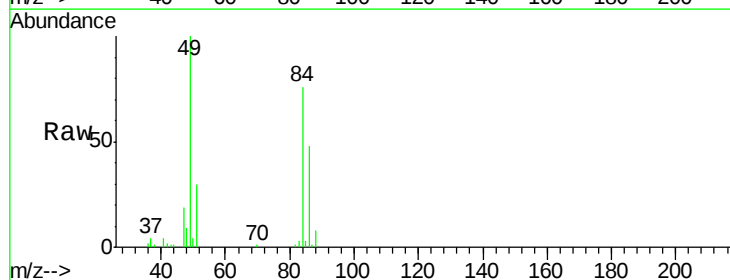
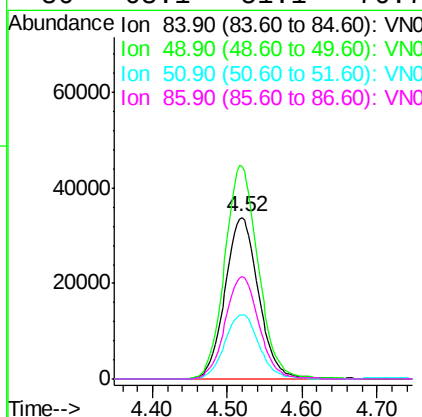
Manual Integrations
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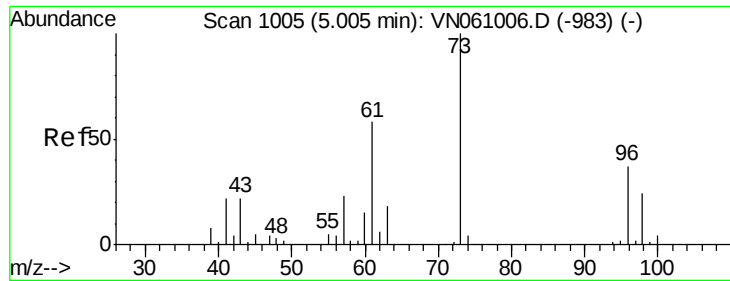
MMDadoda
4/17/2020 11:53:25 AM



#20
Methylene Chloride
Concen: 52.561 ug/l
RT: 4.52 min Scan# 854
Delta R.T. 0.00 min
Lab File: VN061011.D
Acq: 16 Apr 2020 14:52

Tgt Ion: 84 Resp: 105262
Ion Ratio Lower Upper
84 100
49 131.4 105.8 158.6
51 39.8 32.4 48.6
86 63.1 51.1 76.7





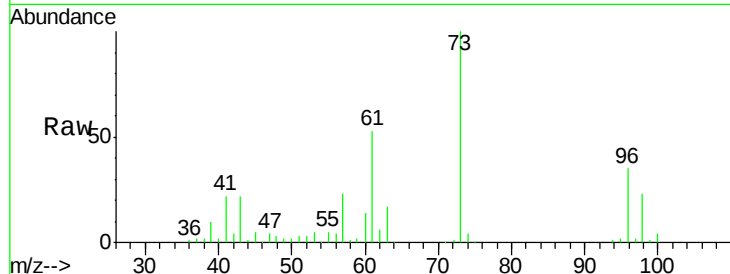
#21
trans-1,2-Dichloroethene
Concen: 51.750 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. 0.00 min
Lab File: VN061011.D
Acq: 16 Apr 2020 14:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	150.7	124.8	187.2
98	63.7	51.3	76.9

Manual Integrations
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4/17/2020 11:53:25 AM

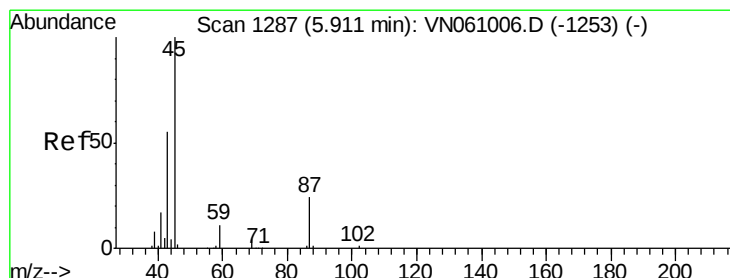
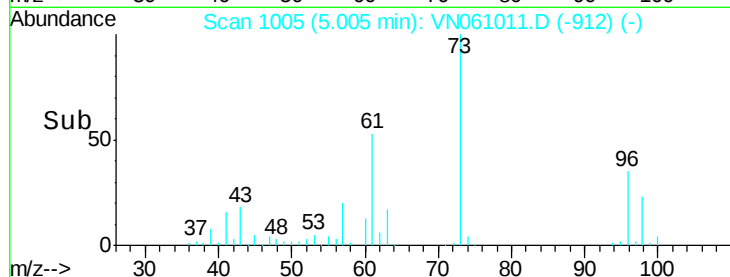
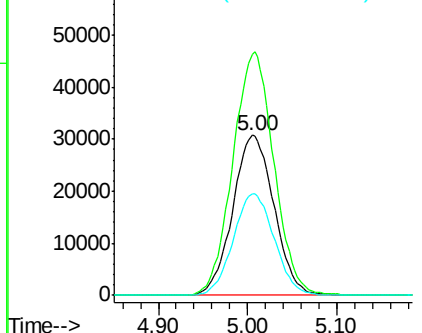


Abundance

Ion 95.90 (95.60 to 96.60): VN061011.D (-912) (-)

Ion 60.90 (60.60 to 61.60): VN061011.D (-912) (-)

Ion 97.90 (97.60 to 98.60): VN061011.D (-912) (-)



#22
Diisopropyl ether
Concen: 53.519 ug/l
RT: 5.91 min Scan# 1287
Delta R.T. 0.00 min
Lab File: VN061011.D
Acq: 16 Apr 2020 14:52

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.5	48.6	72.8
87	25.7	19.4	29.2
59	11.5	8.6	12.8

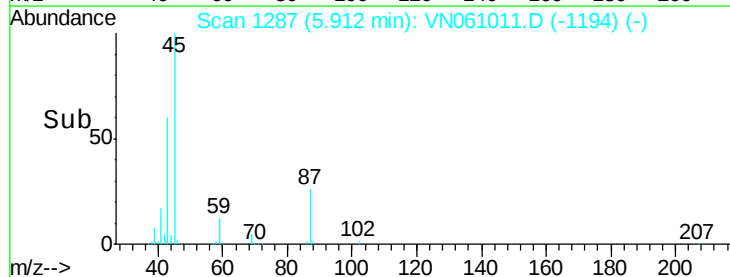
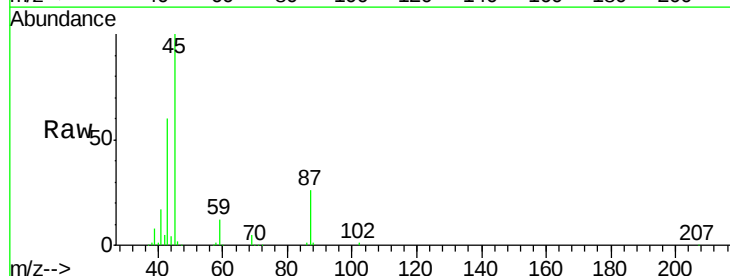
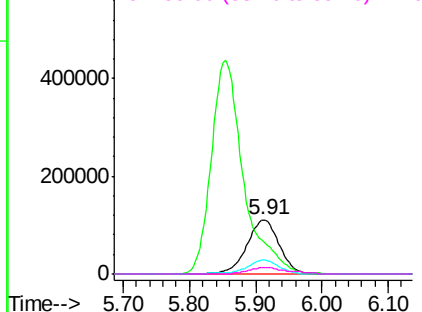
Abundance

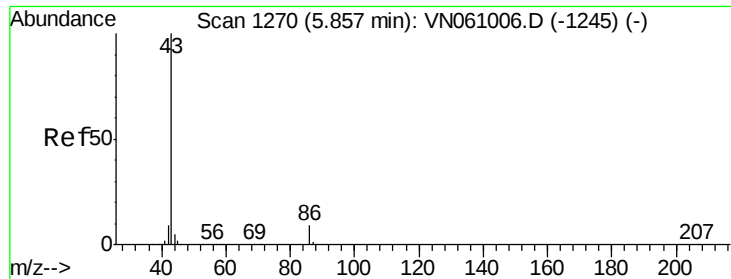
Ion 45.00 (44.70 to 45.70): VN061011.D (-1194) (-)

Ion 43.00 (42.70 to 43.70): VN061011.D (-1194) (-)

Ion 87.00 (86.70 to 87.70): VN061011.D (-1194) (-)

Ion 59.00 (58.70 to 59.70): VN061011.D (-1194) (-)





#23

Vinyl Acetate

Concen: 269.050 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VN061011.D

Acq: 16 Apr 2020 14:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1477776

Ion Ratio Lower Upper

43 100

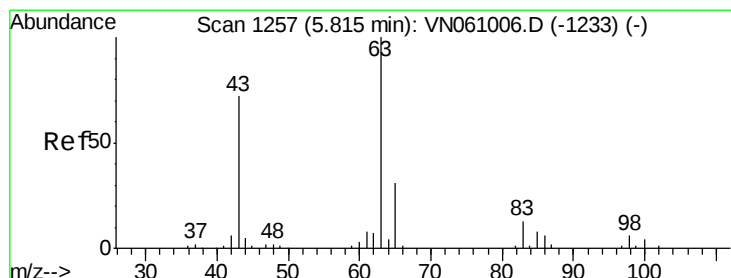
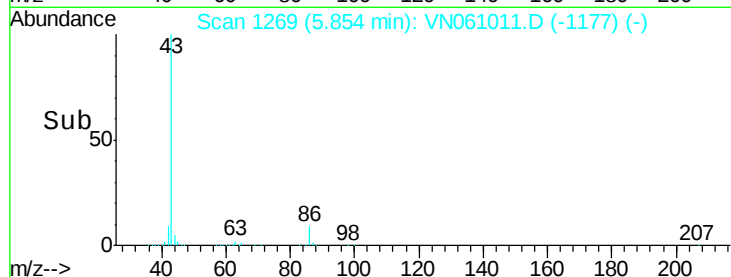
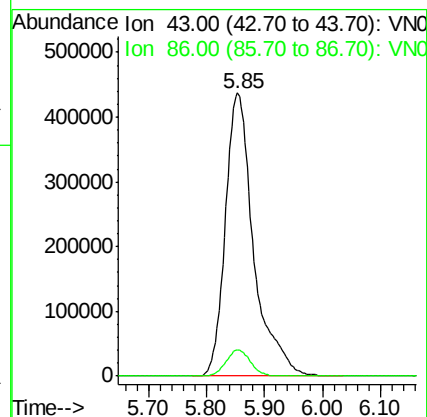
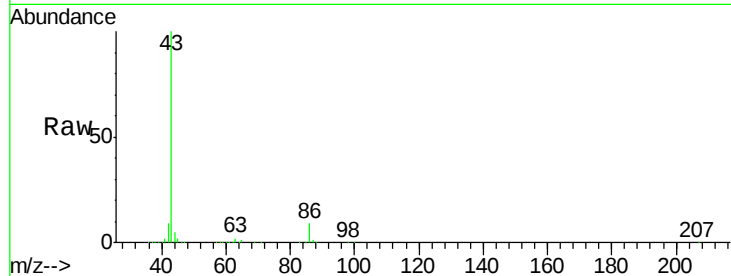
86 9.2 7.3 10.9

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 51.673 ug/l

RT: 5.81 min Scan# 1256

Delta R.T. -0.00 min

Lab File: VN061011.D

Acq: 16 Apr 2020 14:52

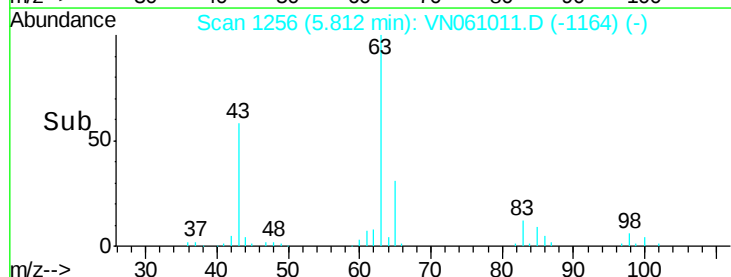
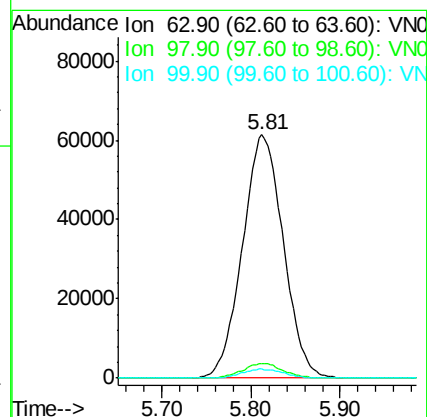
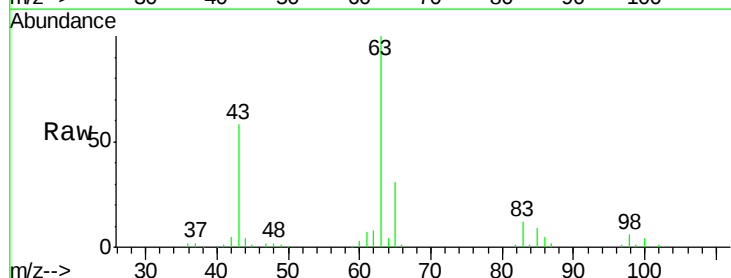
Tgt Ion: 63 Resp: 195478

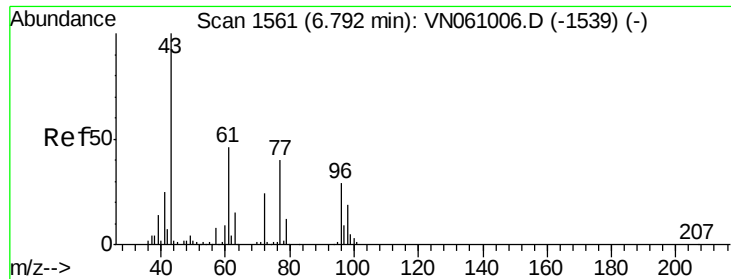
Ion Ratio Lower Upper

63 100

98 5.9 2.9 8.8

100 3.7 2.0 5.8





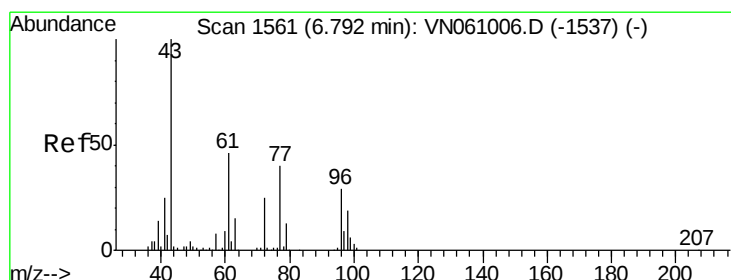
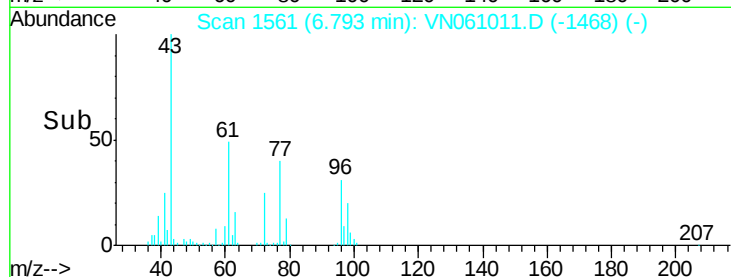
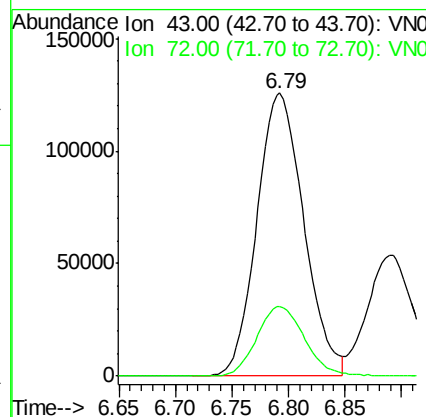
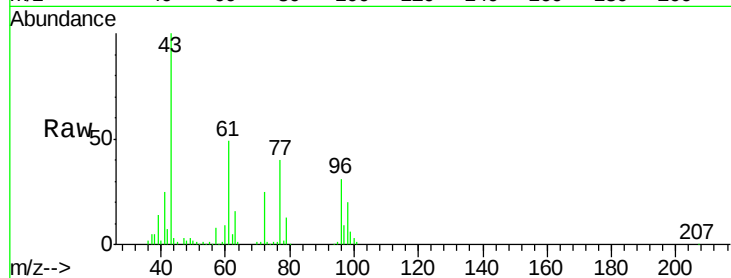
#25
2-Butanone
Concen: 257.229 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. 0.00 min
Lab File: VN061011.D
Acq: 16 Apr 2020 14:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 361552
Ion Ratio Lower Upper
43 100
72 24.6 19.6 29.4

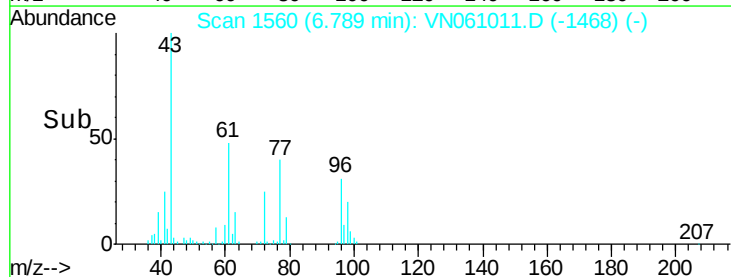
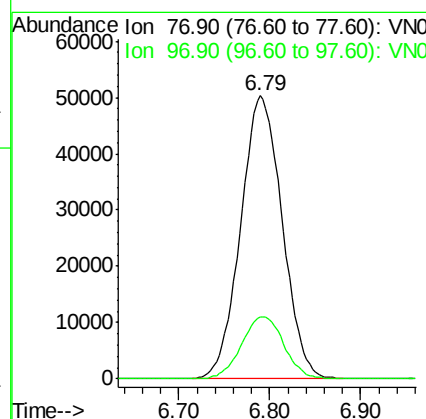
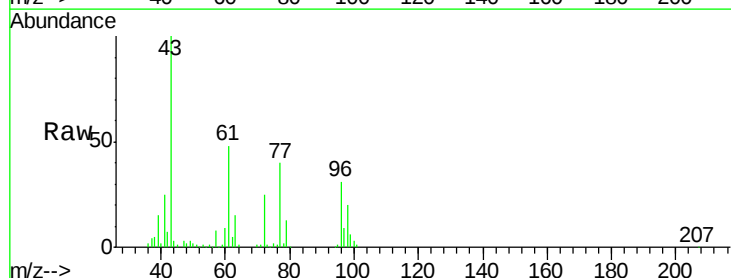
Manual Integrations
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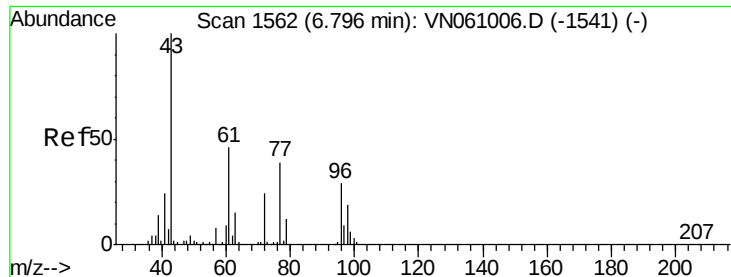
MMDadoda
4/17/2020 11:53:25 AM



#26
2,2-Dichloropropane
Concen: 50.563 ug/l
RT: 6.79 min Scan# 1560
Delta R.T. -0.00 min
Lab File: VN061011.D
Acq: 16 Apr 2020 14:52

Tgt Ion: 77 Resp: 159264
Ion Ratio Lower Upper
77 100
97 22.4 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 52.528 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VN061011.D

Acq: 16 Apr 2020 14:52

Instrument :

MSVOA_N

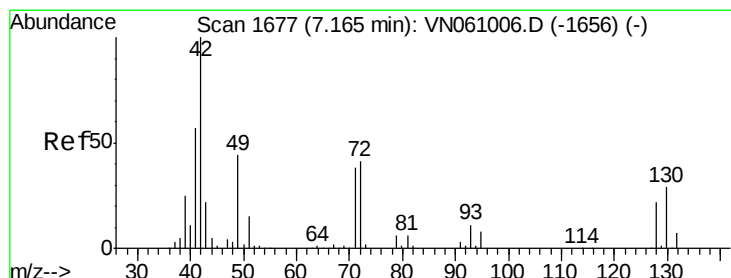
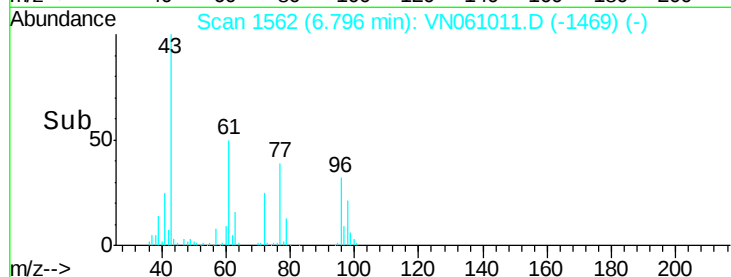
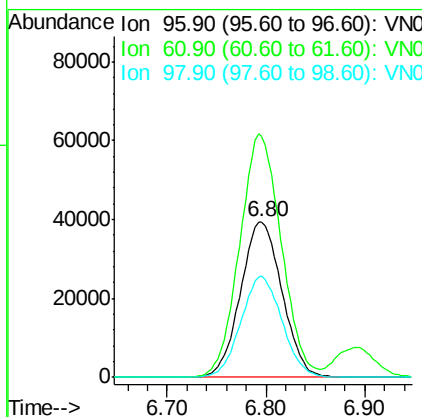
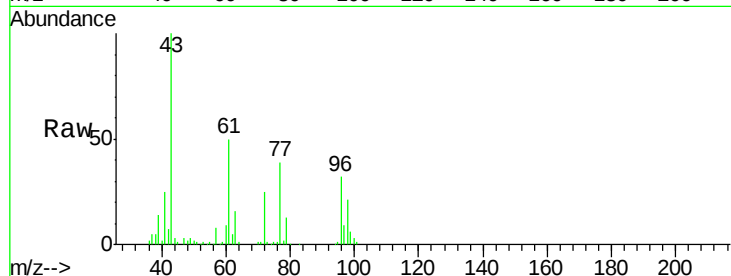
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	114969
Ion	Ratio	Lower	Upper
96	100		
61	156.6	0.0	317.4
98	64.2	0.0	127.8

Manual Integrations
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MMDadoda
4/17/2020 11:53:25 AM



#28

Bromochloromethane

Concen: 50.421 ug/l

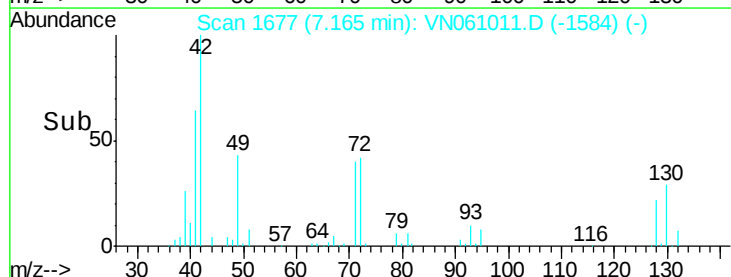
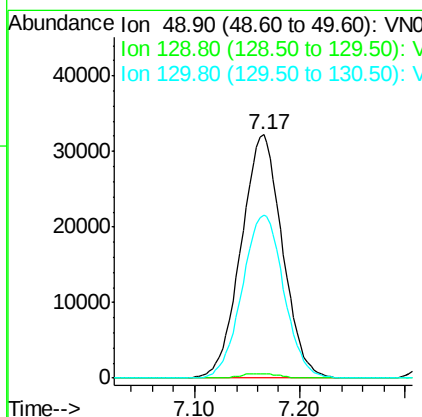
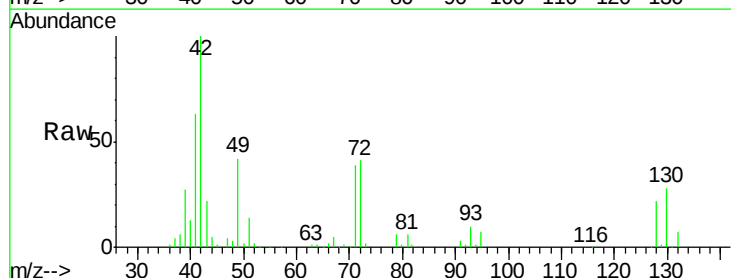
RT: 7.17 min Scan# 1677

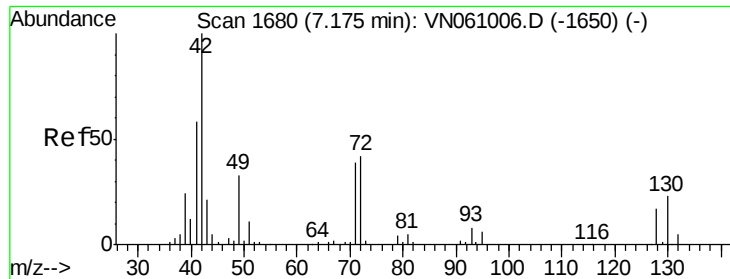
Delta R.T. 0.00 min

Lab File: VN061011.D

Acq: 16 Apr 2020 14:52

Tgt Ion:	49	Resp:	87555
Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	3.0
130	67.5	52.9	79.3





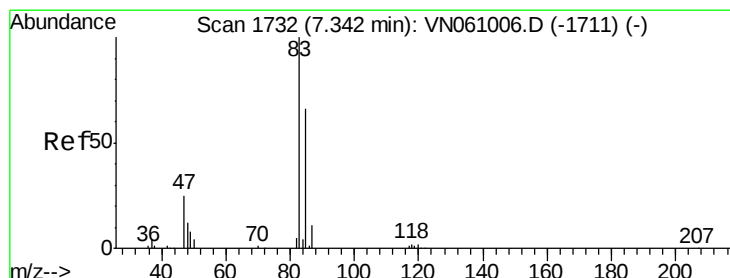
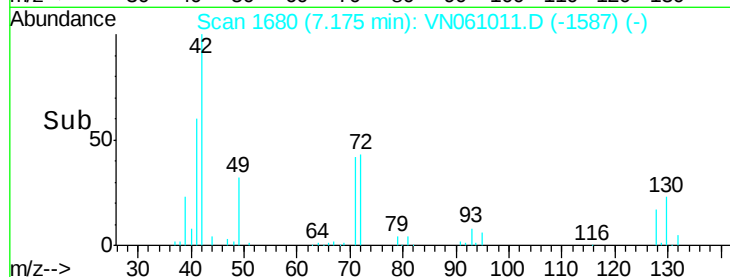
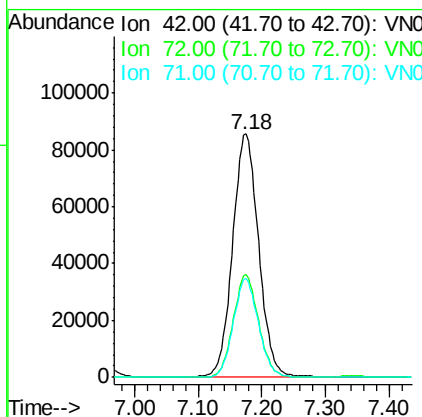
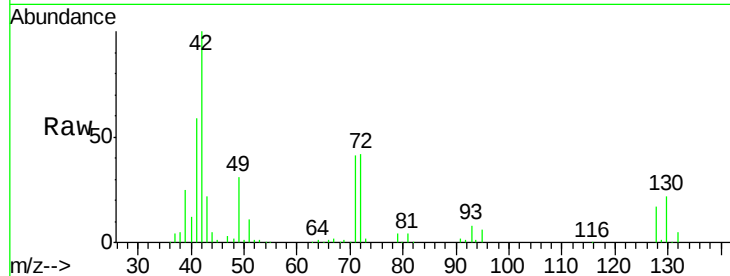
#29
Tetrahydrofuran
Concen: 256.131 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN061011.D
Acq: 16 Apr 2020 14:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.7	32.1	48.1
71	38.9	30.5	45.7

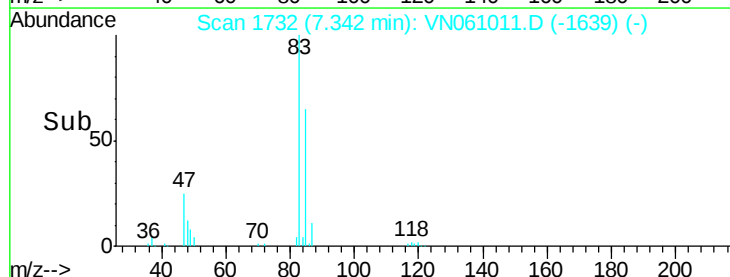
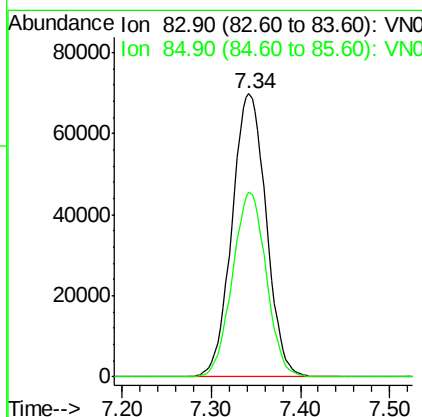
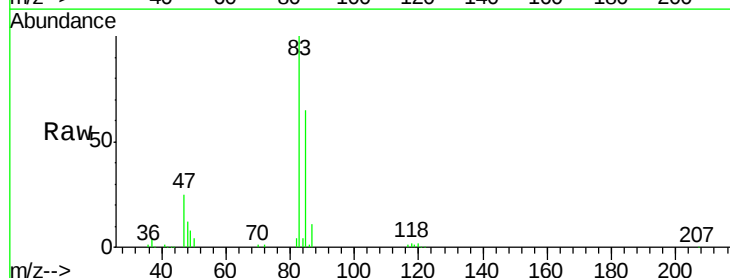
Manual Integrations
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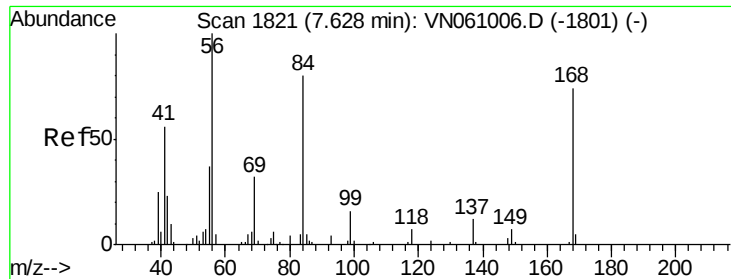
MMDadoda
4/17/2020 11:53:25 AM



#30
Chloroform
Concen: 52.580 ug/l
RT: 7.34 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VN061011.D
Acq: 16 Apr 2020 14:52

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	52.8	79.2





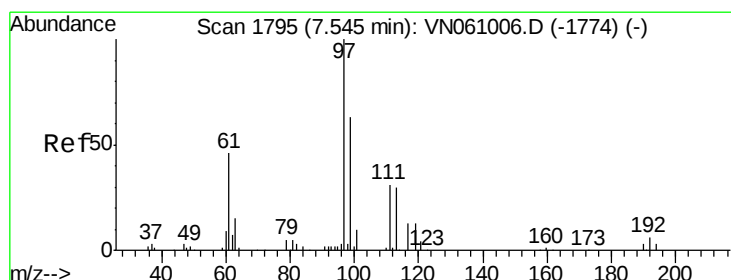
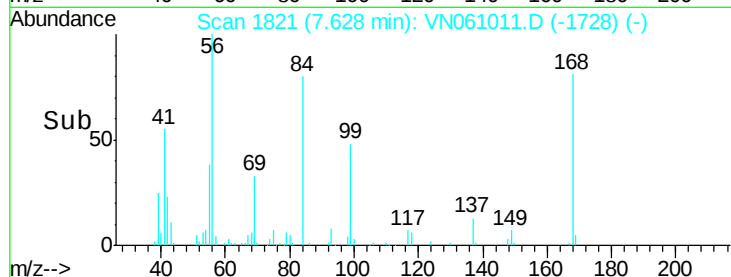
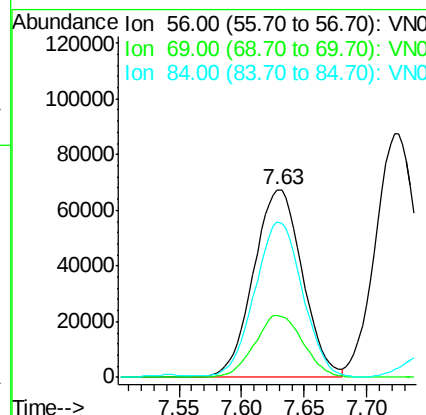
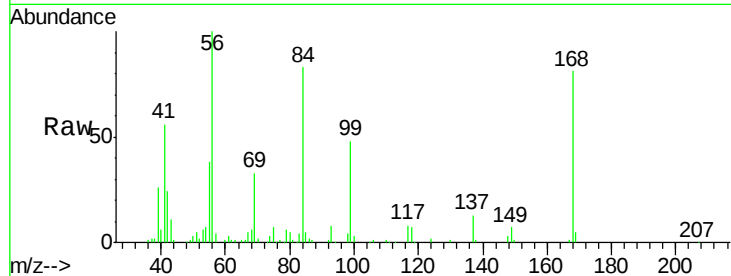
#31
Cvclohexane
Concen: 46.994 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. 0.00 min
Lab File: VN061011.D
Acq: 16 Apr 2020 14:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.9	25.6	38.4
84	82.0	63.4	95.2

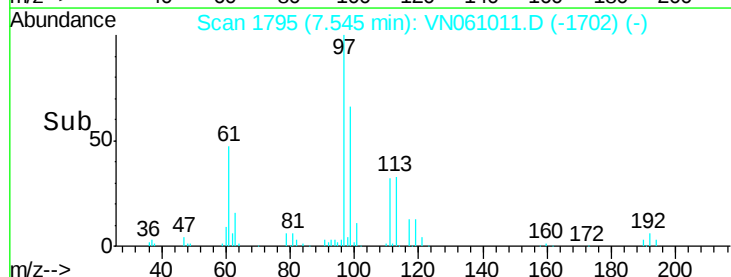
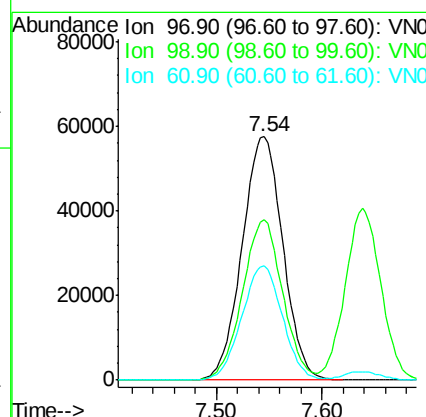
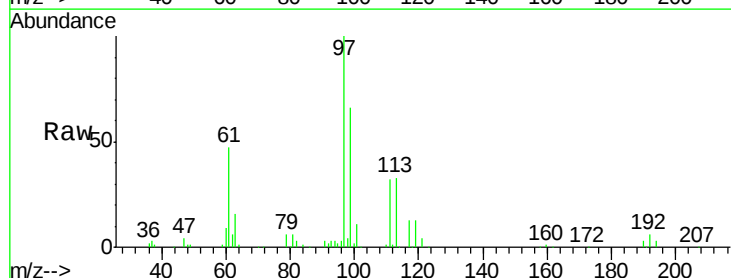
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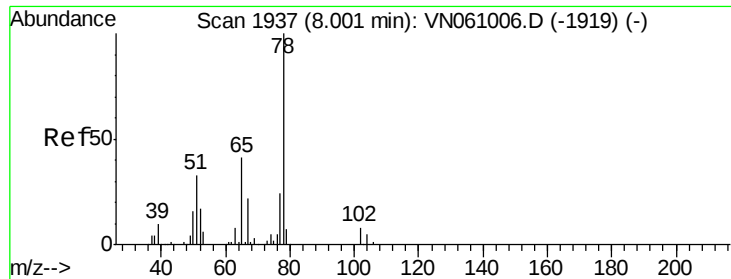
MMDadoda
4/17/2020 11:53:25 AM



#32
1,1,1-Trichloroethane
Concen: 50.673 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. 0.00 min
Lab File: VN061011.D
Acq: 16 Apr 2020 14:52

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.0	76.4
61	46.8	37.0	55.6





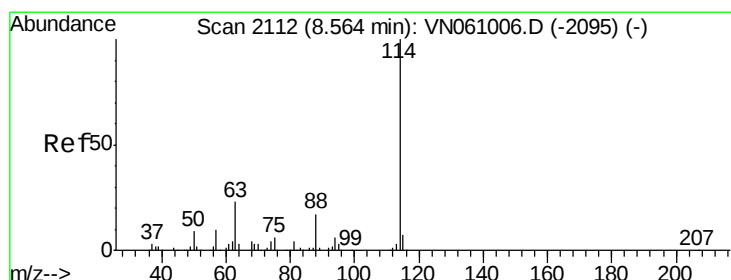
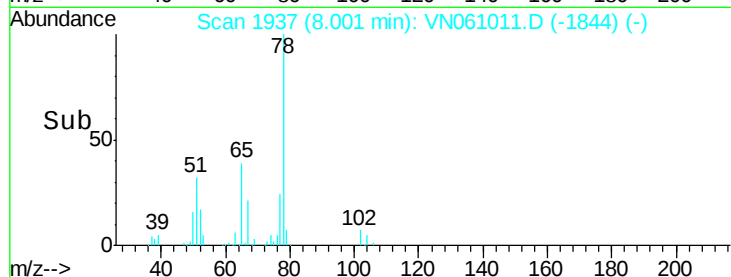
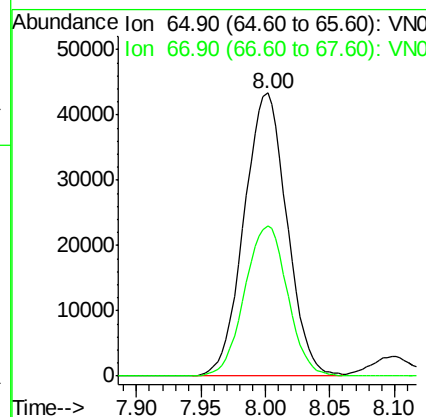
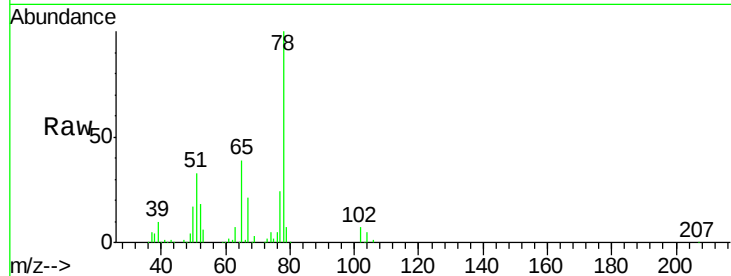
#33
 1,2-Dichloroethane-d4
 Concen: 48.281 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VN061011.D
 Acq: 16 Apr 2020 14:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	100615		
67	53.0	0.0	107.0	

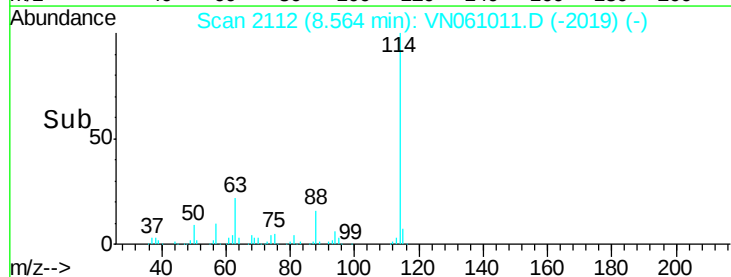
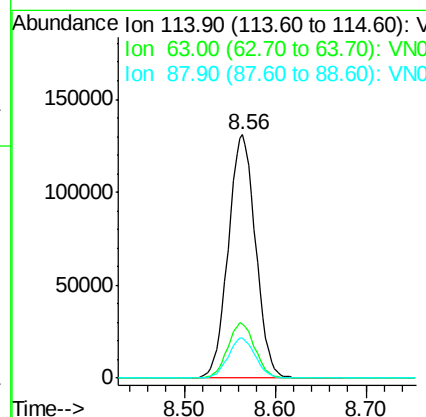
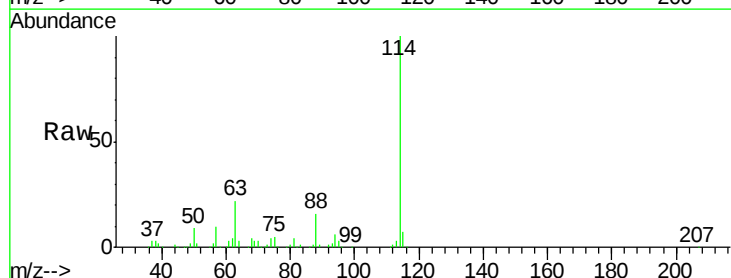
Manual Integrations
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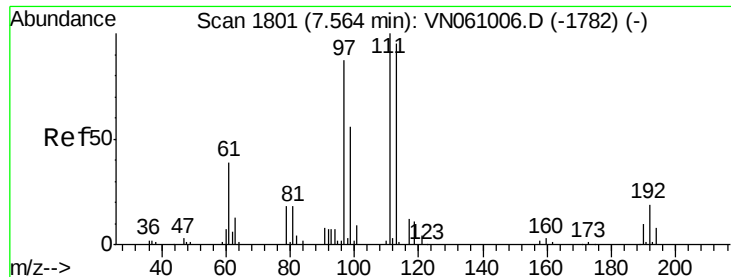
MMDadoda
 4/17/2020 11:53:25 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VN061011.D
 Acq: 16 Apr 2020 14:52

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	272176		
63	22.5	0.0	46.2	
88	16.5	0.0	33.4	





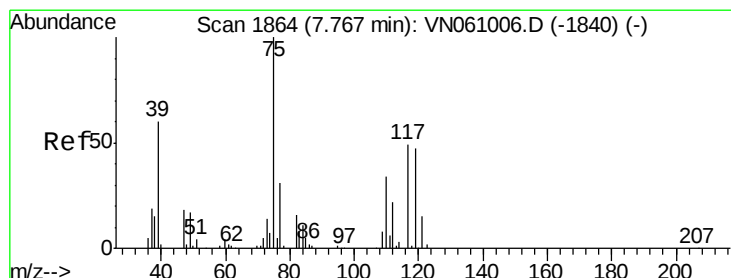
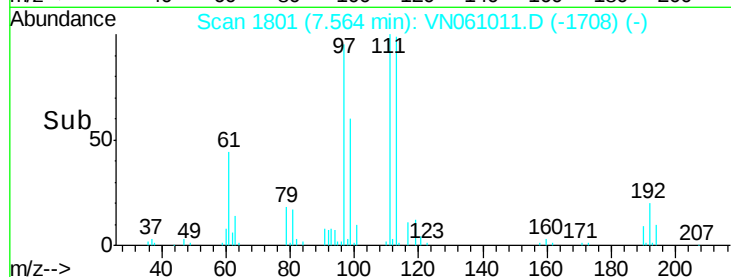
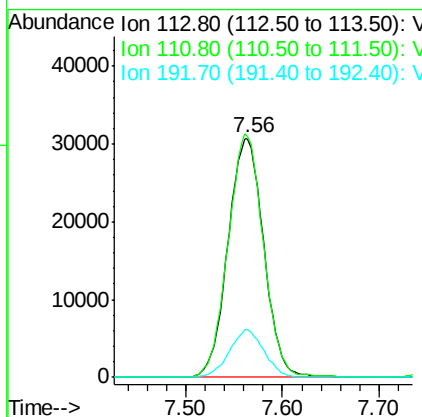
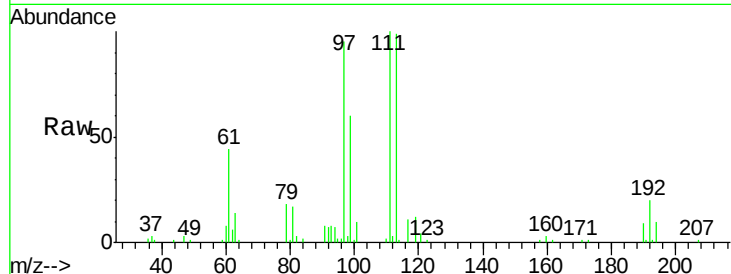
#35
 Dibromofluoromethane
 Concen: 49.618 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. 0.00 min
 Lab File: VN061011.D
 Acq: 16 Apr 2020 14:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	78866		
111	100.3		83.4	125.2
192	19.2		15.5	23.3

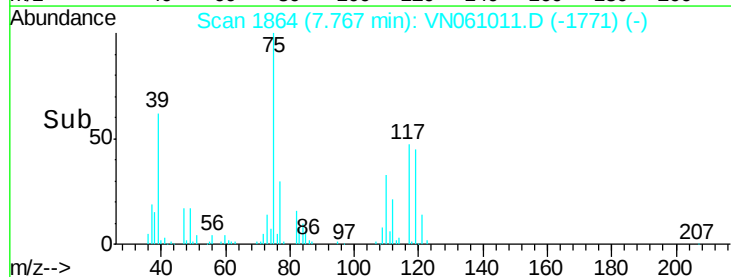
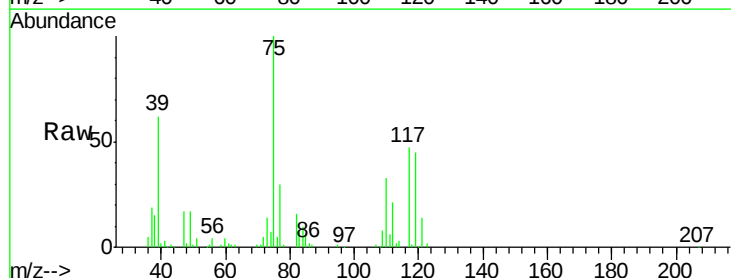
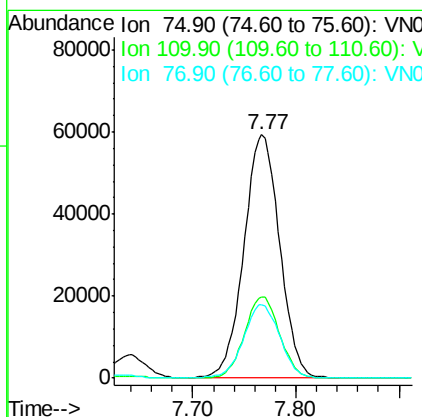
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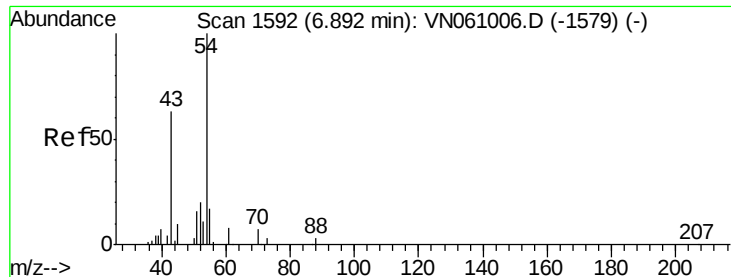
MMDadoda
 4/17/2020 11:53:25 AM



#36
 1,1-Dichloropropene
 Concen: 50.829 ug/l
 RT: 7.77 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VN061011.D
 Acq: 16 Apr 2020 14:52

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	142759		
110	32.8		16.8	50.3
77	30.8		24.7	37.1





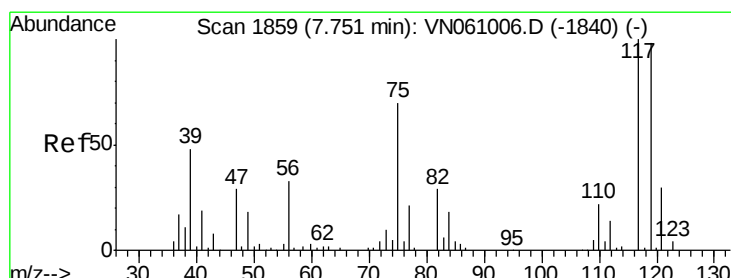
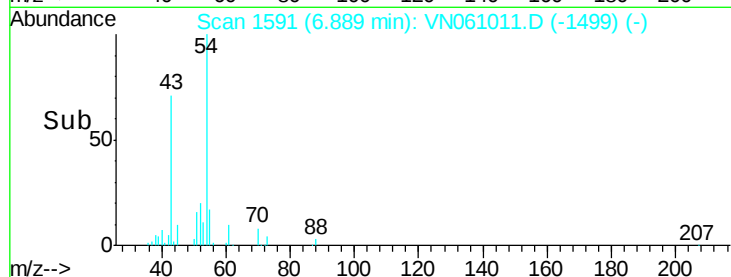
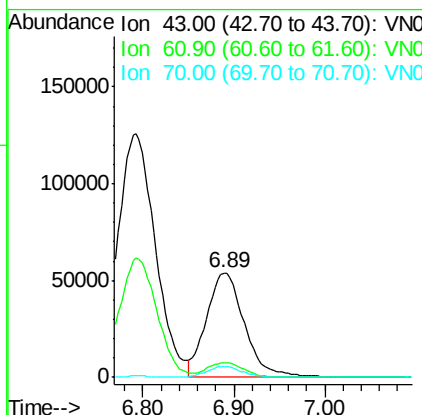
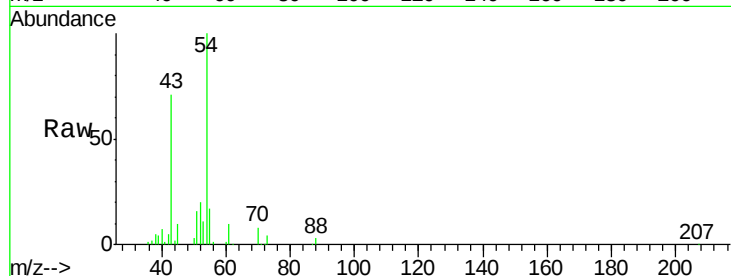
#37
Ethyl Acetate
Concen: 50.811 ug/l
RT: 6.89 min Scan# 1591
Delta R.T. -0.00 min
Lab File: VN061011.D
Acq: 16 Apr 2020 14:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	10.9	16.3
70	10.1	7.7	11.5

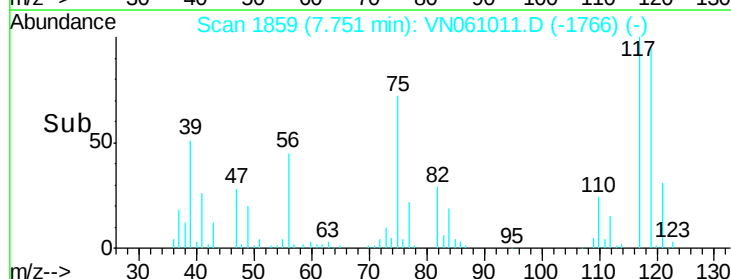
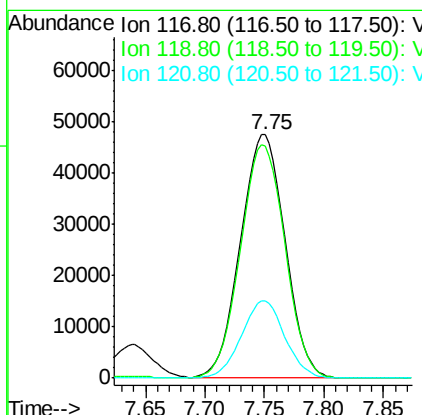
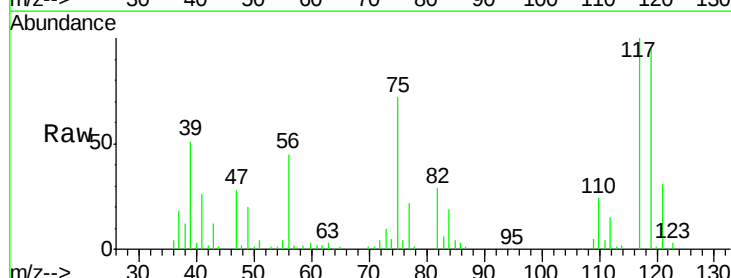
Manual Integrations
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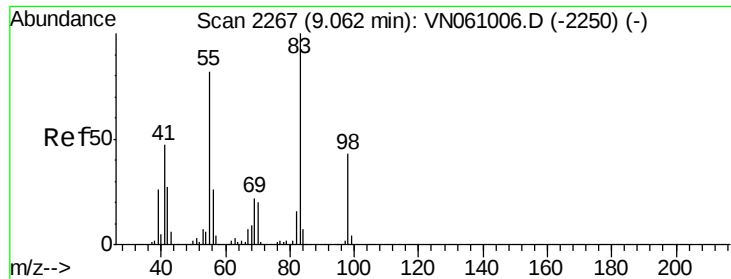
MMDadoda
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#38
Carbon Tetrachloride
Concen: 52.862 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN061011.D
Acq: 16 Apr 2020 14:52

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.1	78.1	117.1
121	31.5	24.0	36.0





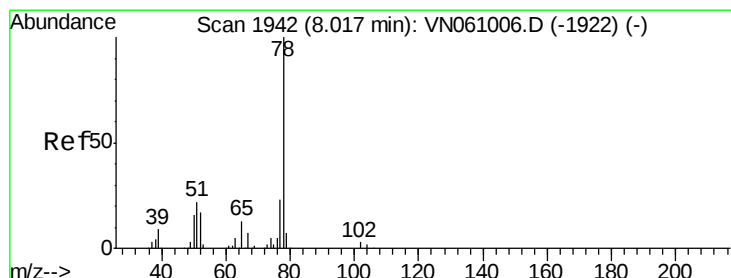
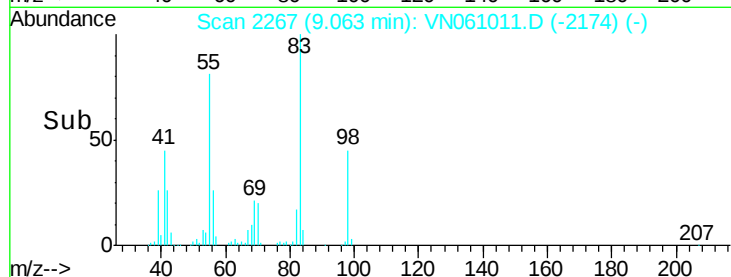
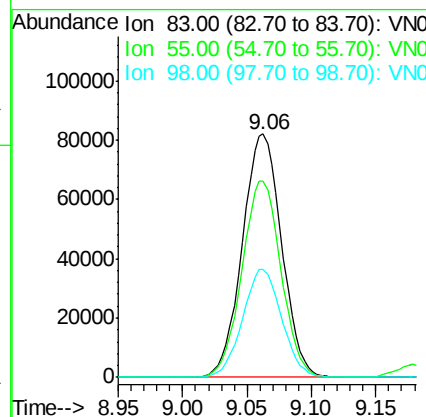
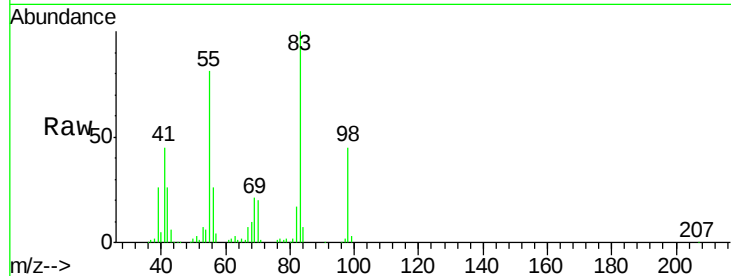
#39
Methylvlcvclohexane
Concen: 51.911 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. 0.00 min
Lab File: VN061011.D
Acq: 16 Apr 2020 14:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.6	65.4	98.0
98	44.6	34.6	51.8

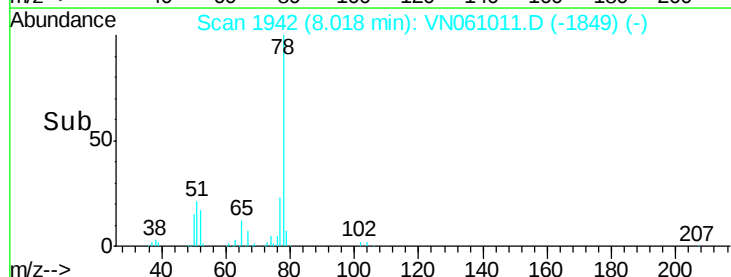
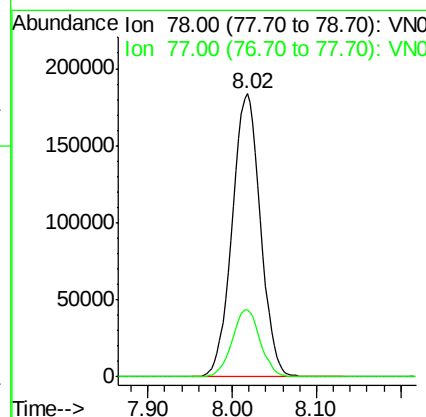
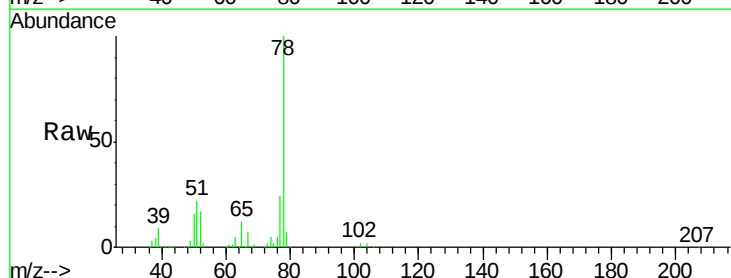
Manual Integrations
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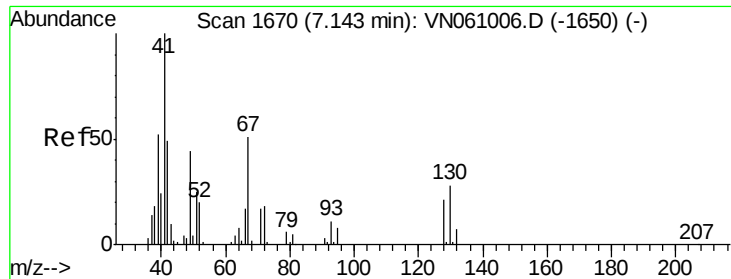
MMDadoda
4/17/2020 11:53:25 AM



#40
Benzene
Concen: 51.427 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. 0.00 min
Lab File: VN061011.D
Acq: 16 Apr 2020 14:52

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.8	28.2





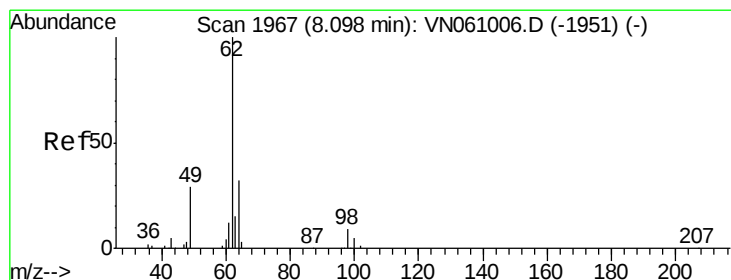
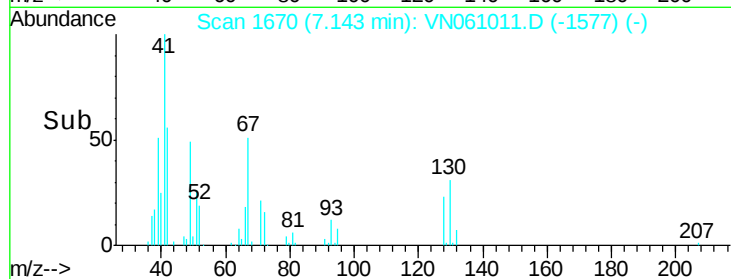
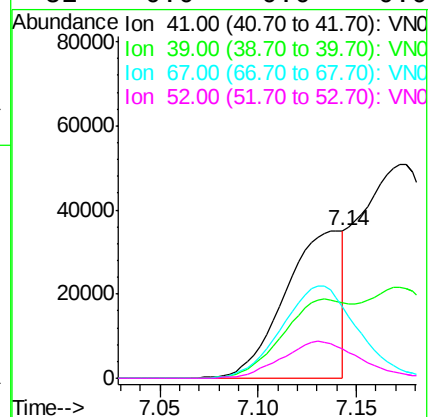
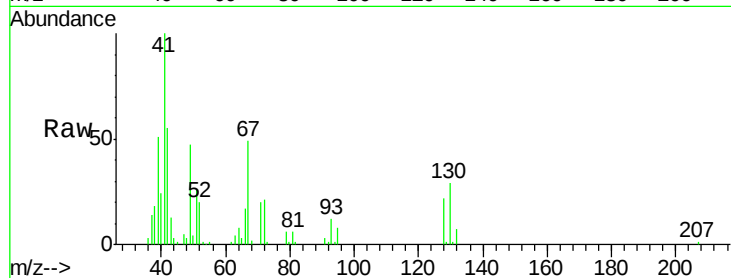
#41
Methacrylonitrile
Concen: 56.694 ug/l m
RT: 7.14 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VN061011.D
Acq: 16 Apr 2020 14:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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

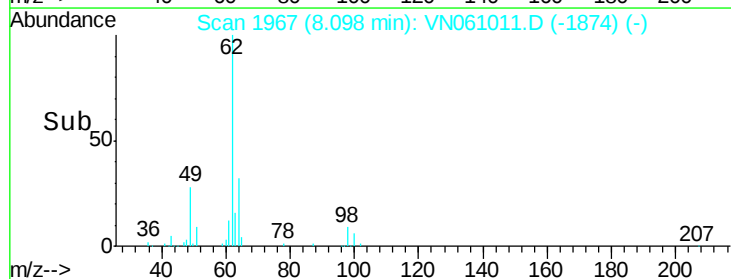
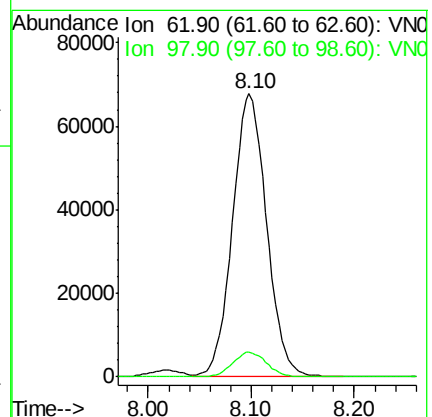
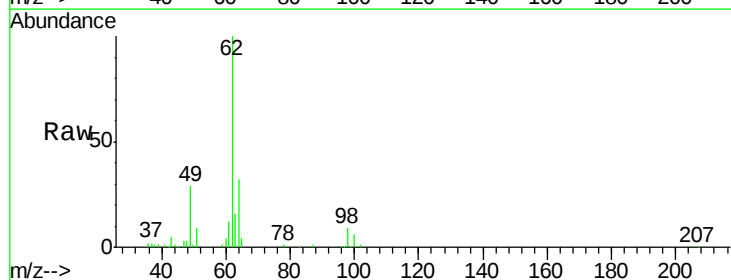
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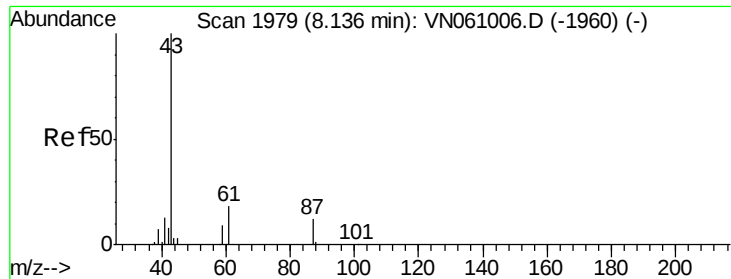
MMDadoda
4/17/2020 11:53:25 AM



#42
1,2-Dichloroethane
Concen: 54.863 ug/l
RT: 8.10 min Scan# 1967
Delta R.T. 0.00 min
Lab File: VN061011.D
Acq: 16 Apr 2020 14:52

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.2





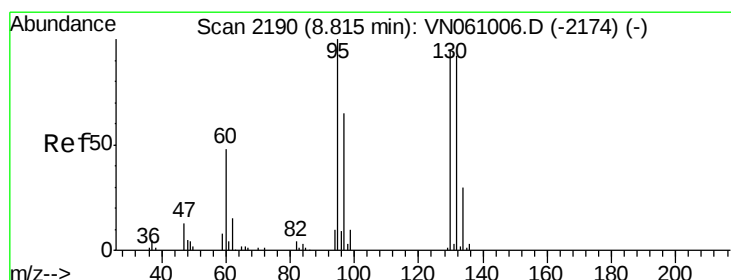
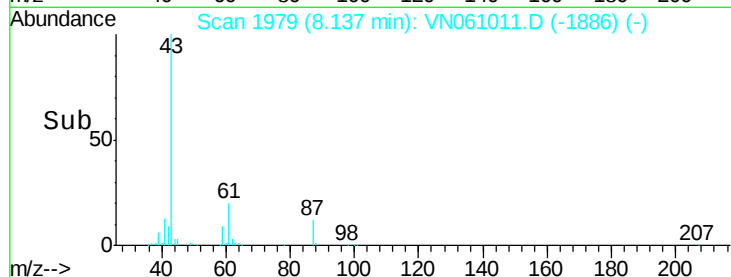
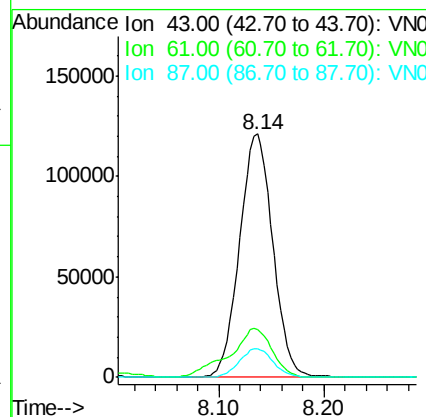
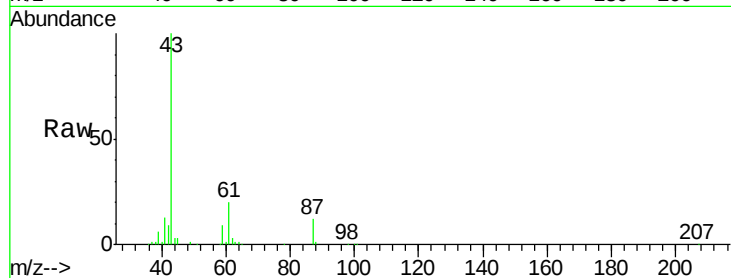
#43
Isopropyl Acetate
Concen: 53.472 ug/l
RT: 8.14 min Scan# 1979
Delta R.T. 0.00 min
Lab File: VN061011.D
Acq: 16 Apr 2020 14:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.0	20.3	30.5
87	12.0	9.4	14.2

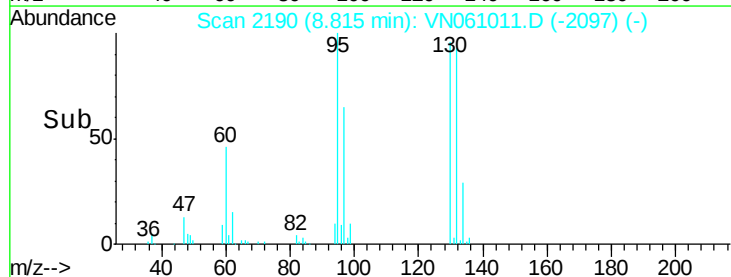
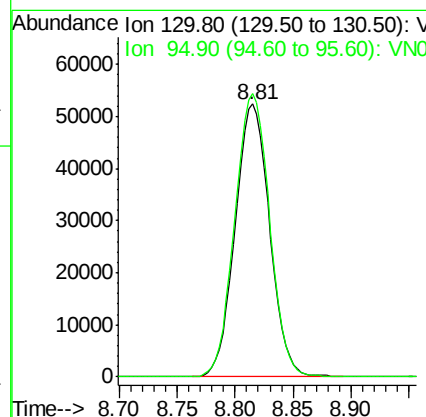
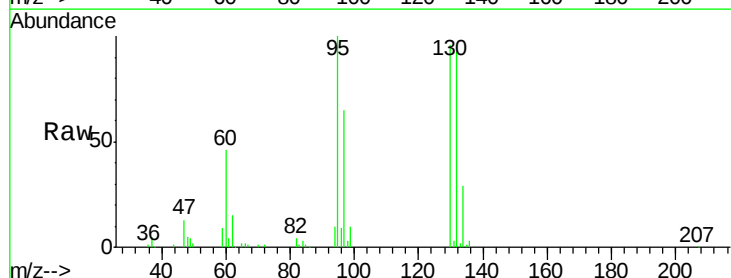
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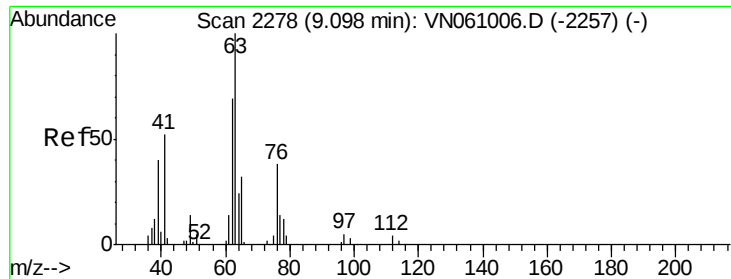
MMDadoda
4/17/2020 11:53:25 AM



#44
Trichloroethene
Concen: 51.581 ug/l
RT: 8.81 min Scan# 2190
Delta R.T. 0.00 min
Lab File: VN061011.D
Acq: 16 Apr 2020 14:52

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.6	0.0	210.0





#45

1,2-Dichloropropane

Concen: 53.437 ug/l

RT: 9.10 min Scan# 2278

Delta R.T. 0.00 min

Lab File: VN061011.D

Acq: 16 Apr 2020 14:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 120262

Ion Ratio Lower Upper

63 100

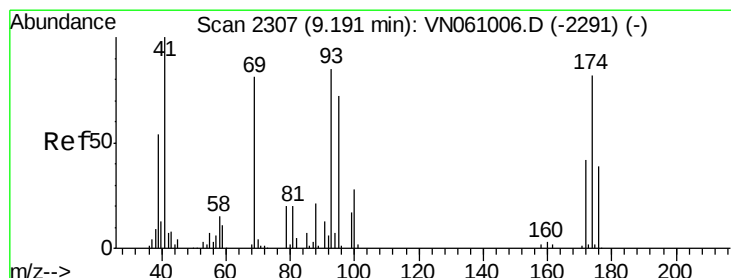
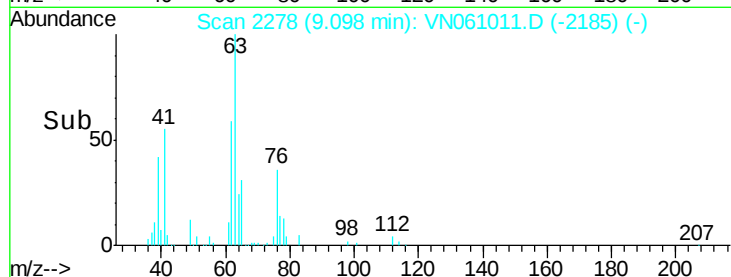
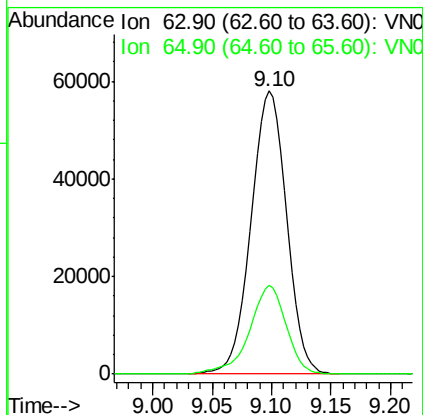
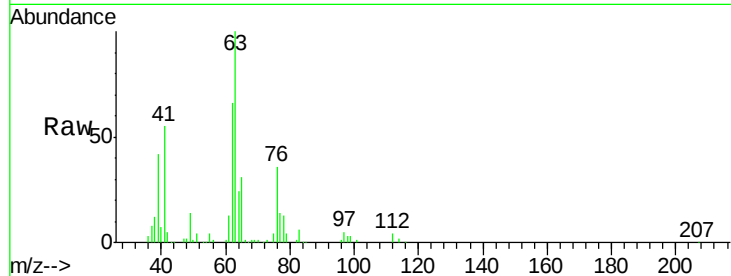
65 31.4 25.2 37.8

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#46

Dibromomethane

Concen: 56.194 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VN061011.D

Acq: 16 Apr 2020 14:52

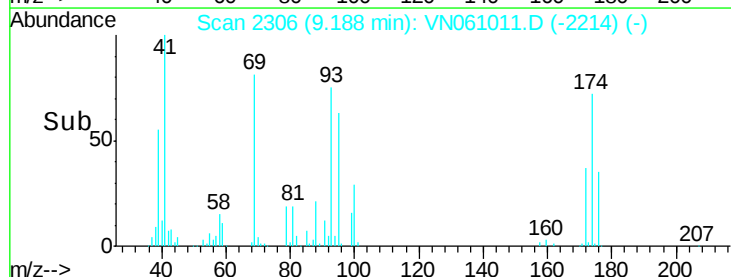
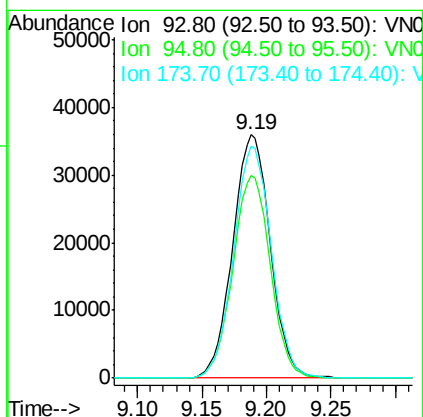
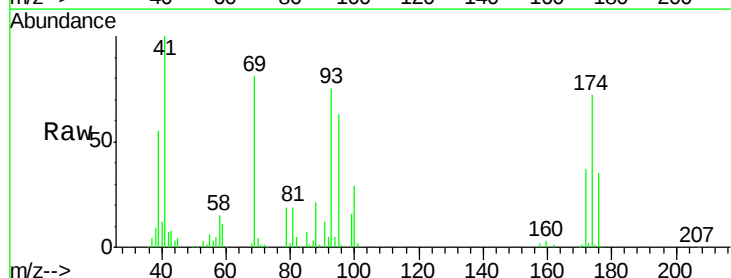
Tgt Ion: 93 Resp: 72916

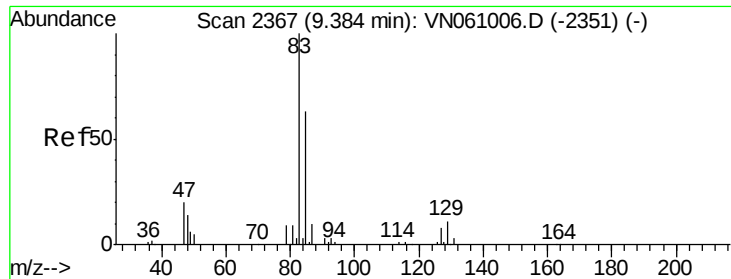
Ion Ratio Lower Upper

93 100

95 83.0 66.8 100.2

174 95.1 76.2 114.4





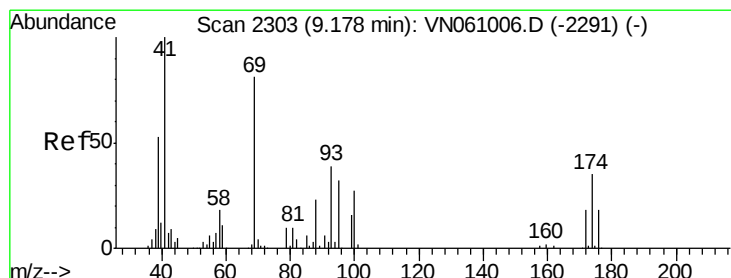
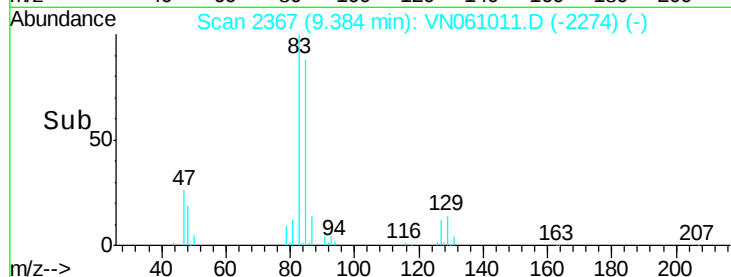
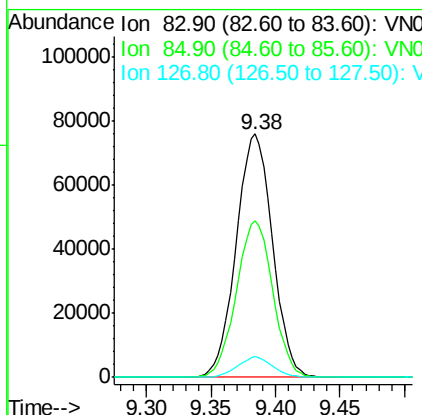
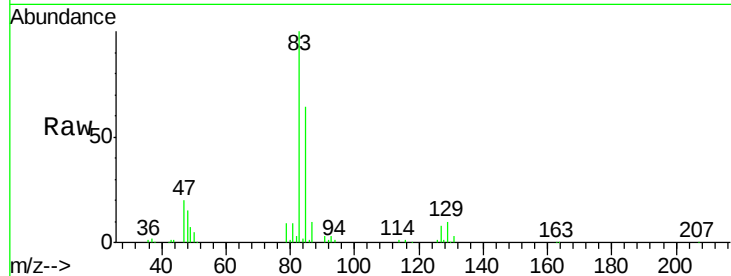
#47
 Bromodichloromethane
 Concen: 54.252 ug/l
 RT: 9.38 min Scan# 2367
 Delta R.T. 0.00 min
 Lab File: VN061011.D
 Acq: 16 Apr 2020 14:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	83	Resp	148714
Ion Ratio	100	Lower	Upper
83	100		
85	64.2	50.6	76.0
127	8.4	6.1	9.1

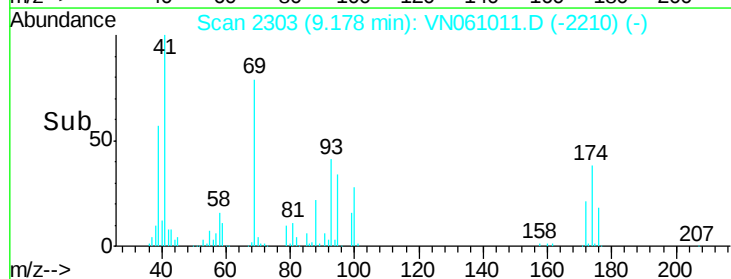
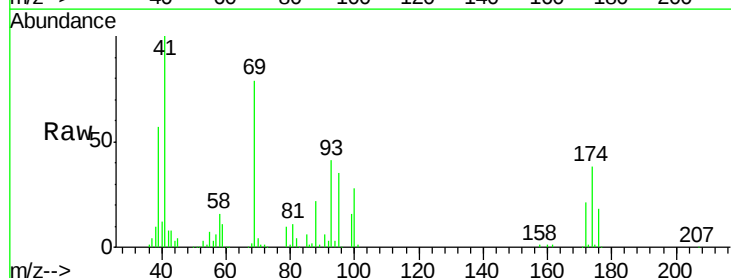
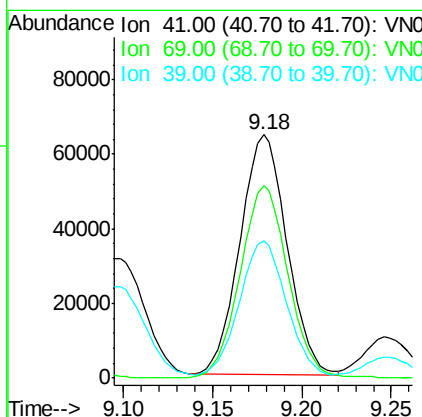
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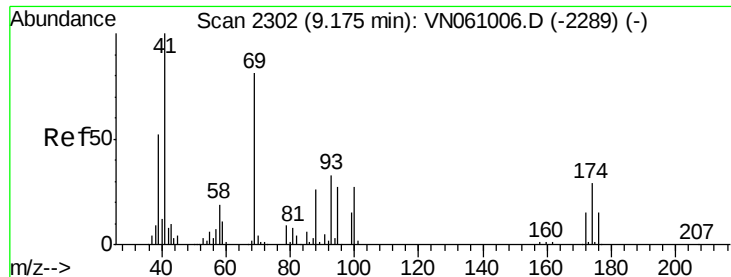
MMDadoda
 4/17/2020 11:53:25 AM



#48
 Methyl methacrylate
 Concen: 54.207 ug/l
 RT: 9.18 min Scan# 2303
 Delta R.T. 0.00 min
 Lab File: VN061011.D
 Acq: 16 Apr 2020 14:52

Tgt Ion	41	Resp	118817
Ion Ratio	100	Lower	Upper
41	100		
69	81.7	65.3	97.9
39	55.5	45.2	67.8





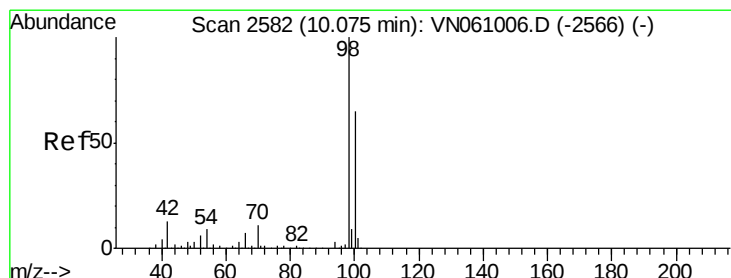
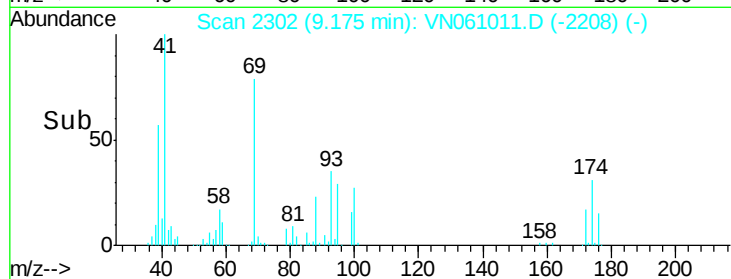
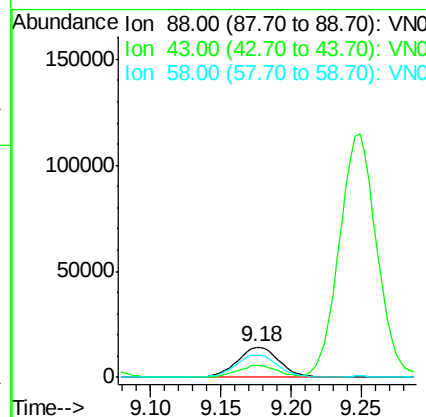
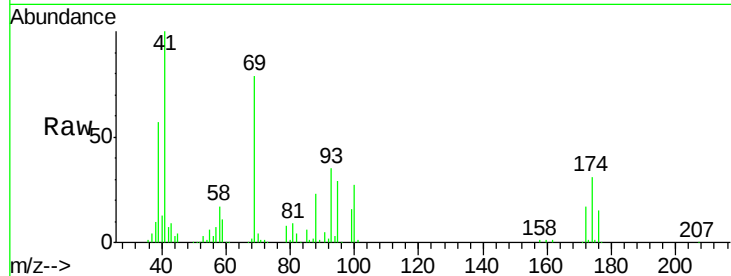
#49
1,4-Dioxane
Concen: 965.519 ug/l
RT: 9.18 min Scan# 2302
Delta R.T. 0.00 min
Lab File: VN061011.D
Acq: 16 Apr 2020 14:52

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.6	30.9	46.3
58	75.3	59.8	89.8

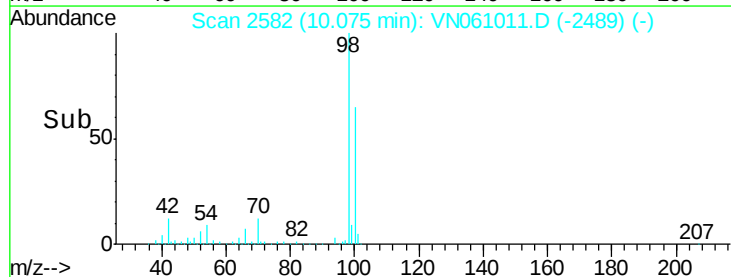
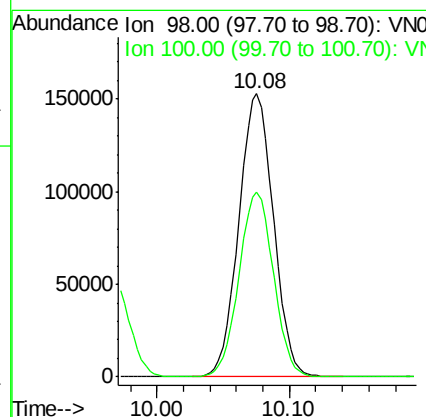
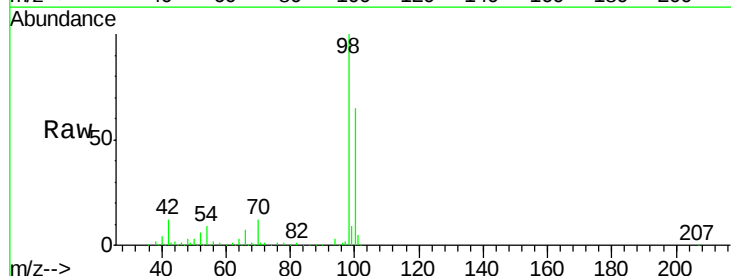
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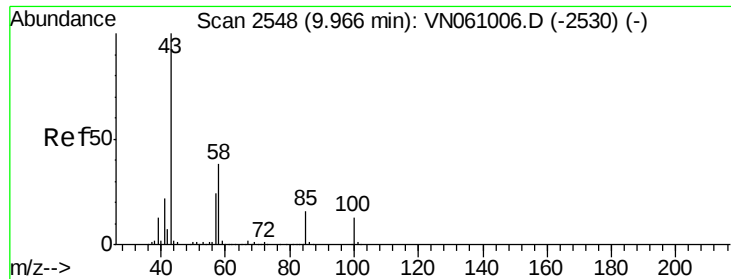
MMDadoda
4/17/2020 11:53:25 AM



#50
Toluene-d8
Concen: 46.105 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. 0.00 min
Lab File: VN061011.D
Acq: 16 Apr 2020 14:52

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.1	51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 268.298 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. 0.00 min

Lab File: VN061011.D

Acq: 16 Apr 2020 14:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 767132

Ion Ratio Lower Upper

43 100

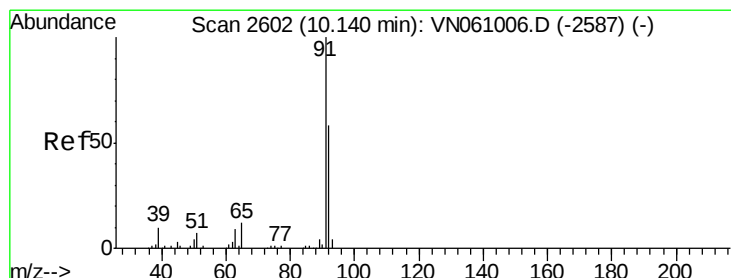
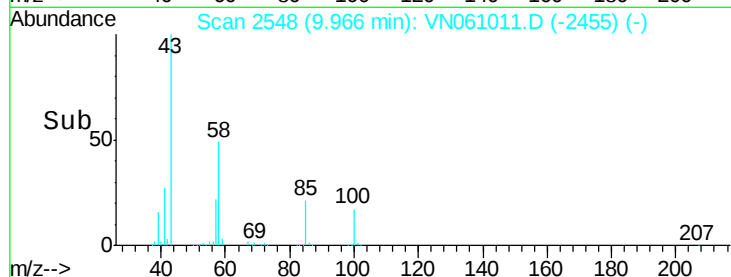
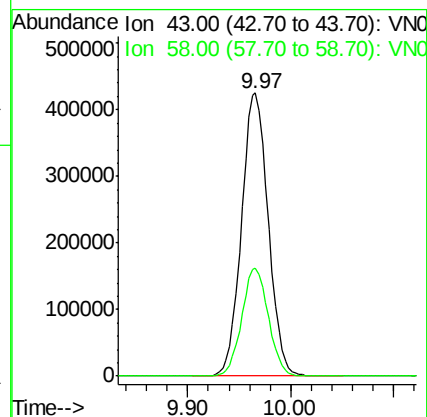
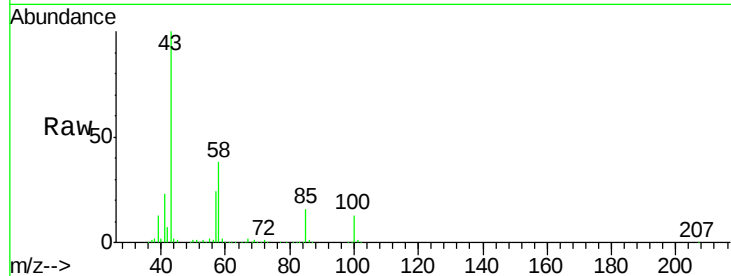
58 38.0 30.3 45.5

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#52

Toluene

Concen: 51.697 ug/l

RT: 10.14 min Scan# 2602

Delta R.T. 0.00 min

Lab File: VN061011.D

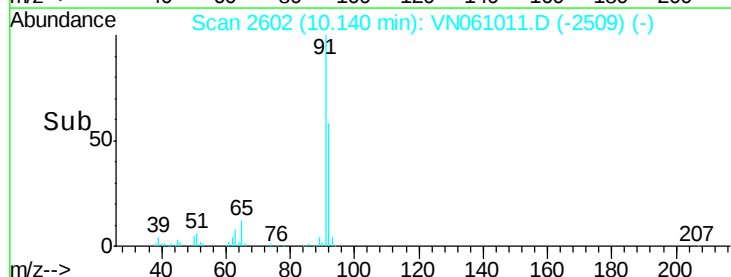
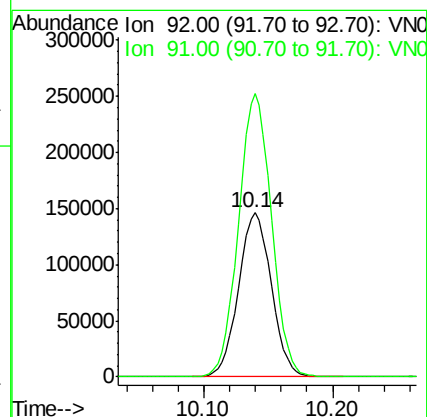
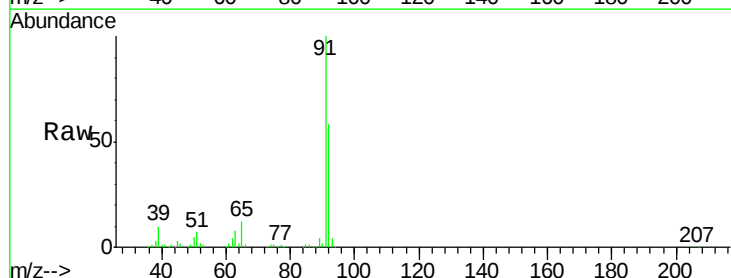
Acq: 16 Apr 2020 14:52

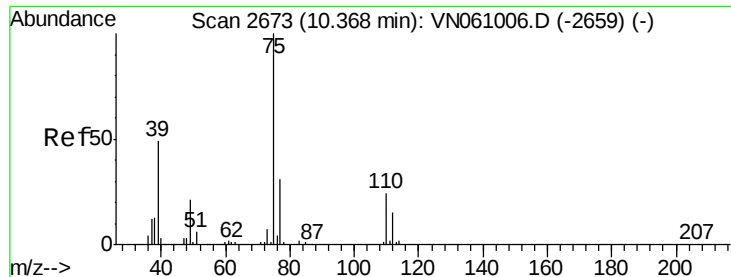
Tgt Ion: 92 Resp: 258413

Ion Ratio Lower Upper

92 100

91 173.5 137.7 206.5





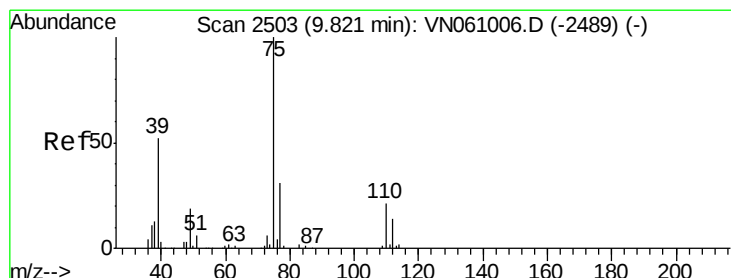
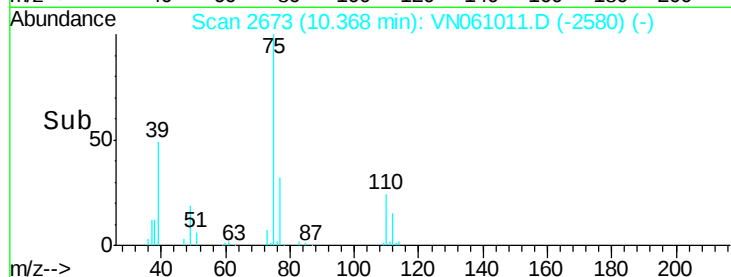
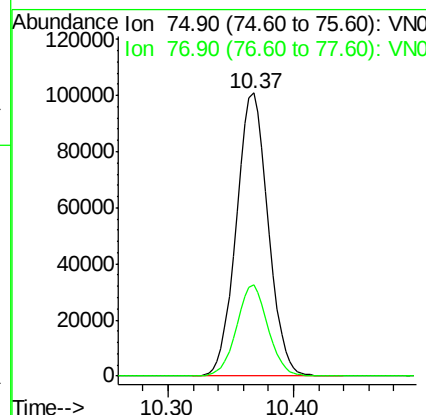
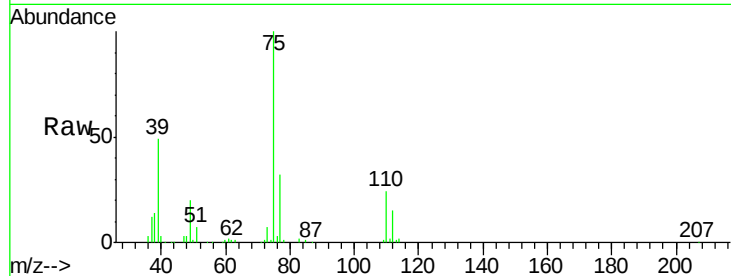
#53
 t-1,3-Dichloropropene
 Concen: 55.749 ug/l
 RT: 10.37 min Scan# 2673
 Delta R.T. 0.00 min
 Lab File: VN061011.D
 Acq: 16 Apr 2020 14:52

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion: 75 Resp: 177510
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.0 37.6

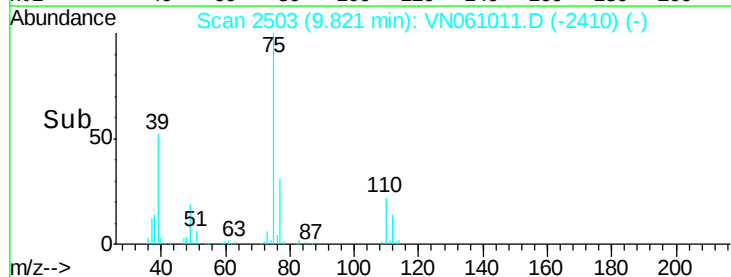
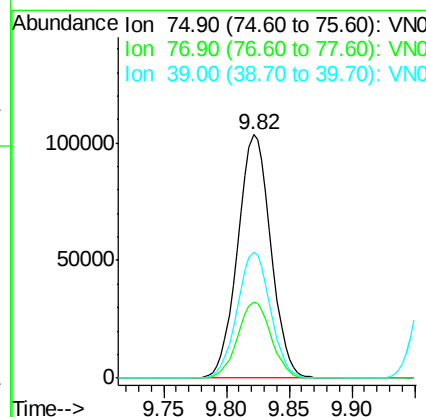
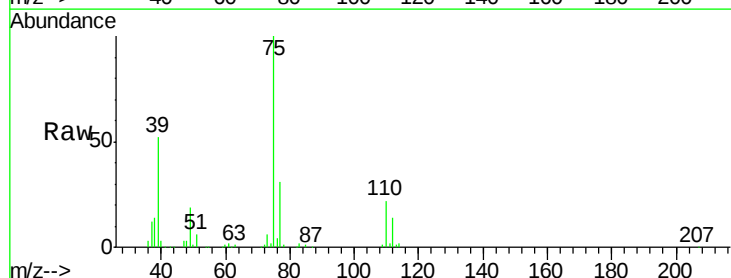
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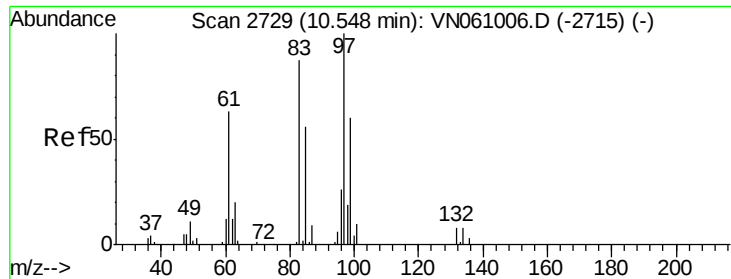
MMDadoda
 4/17/2020 11:53:25 AM



#54
 cis-1,3-Dichloropropene
 Concen: 54.734 ug/l
 RT: 9.82 min Scan# 2503
 Delta R.T. 0.00 min
 Lab File: VN061011.D
 Acq: 16 Apr 2020 14:52

Tgt Ion: 75 Resp: 190154
 Ion Ratio Lower Upper
 75 100
 77 31.1 25.0 37.6
 39 51.9 41.4 62.2





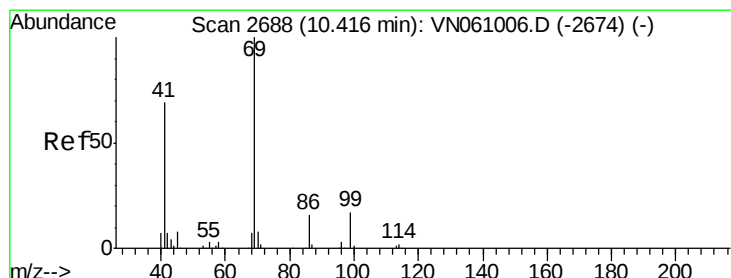
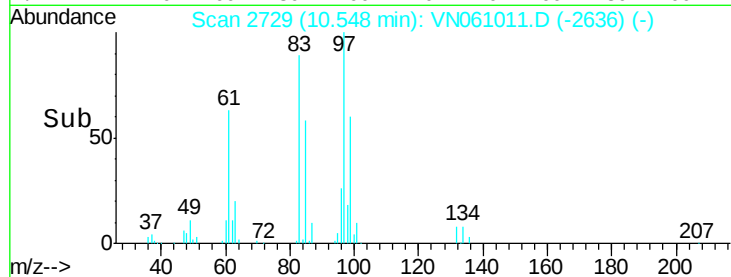
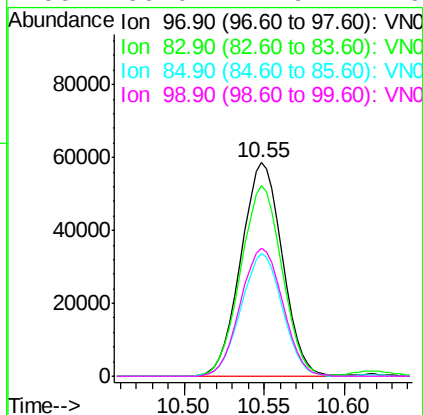
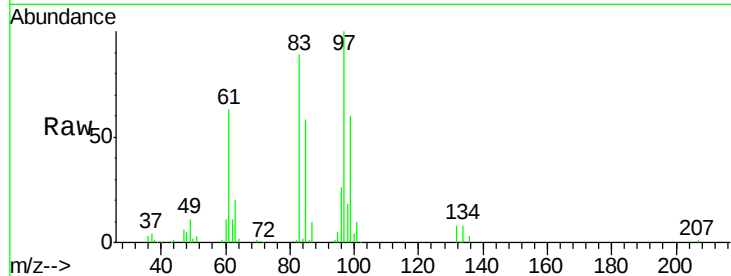
#55
 1,1,2-Trichloroethane
 Concen: 54.918 ug/l
 RT: 10.55 min Scan# 2729
 Delta R.T. 0.00 min
 Lab File: VN061011.D
 Acq: 16 Apr 2020 14:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	103884
Ion	Ratio	Lower	Upper
97	100		
83	89.0	69.5	104.3
85	57.6	45.0	67.4
99	60.0	47.9	71.9

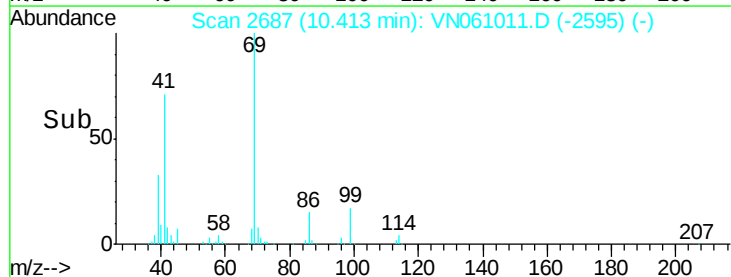
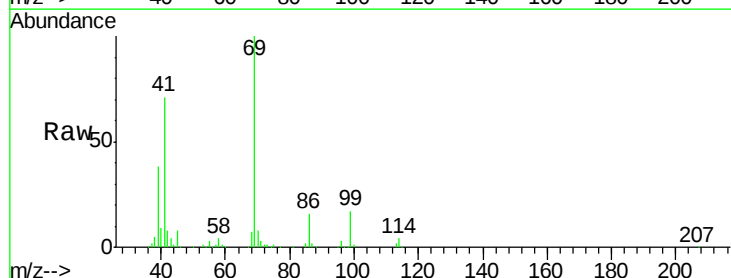
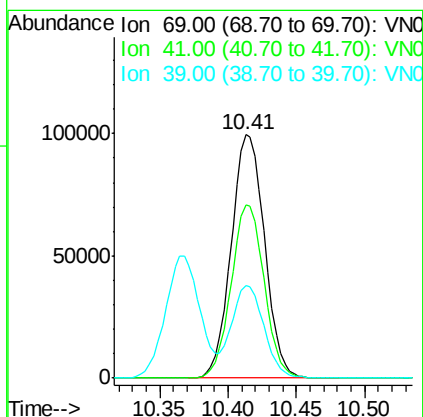
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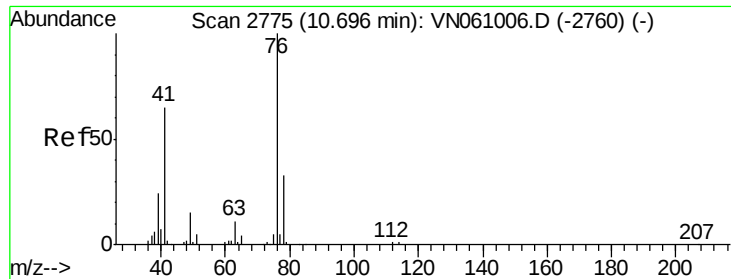
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 4/17/2020 11:53:25 AM



#56
 Ethyl methacrylate
 Concen: 56.996 ug/l
 RT: 10.41 min Scan# 2687
 Delta R.T. -0.00 min
 Lab File: VN061011.D
 Acq: 16 Apr 2020 14:52

Tgt Ion:	69	Resp:	169539
Ion	Ratio	Lower	Upper
69	100		
41	70.0	56.7	85.1
39	38.0	29.4	44.0





#57

1,3-Dichloropropane

Concen: 54.182 ug/l

RT: 10.69 min Scan# 2774

Delta R.T. -0.00 min

Lab File: VN061011.D

Acq: 16 Apr 2020 14:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 182815

Ion Ratio Lower Upper

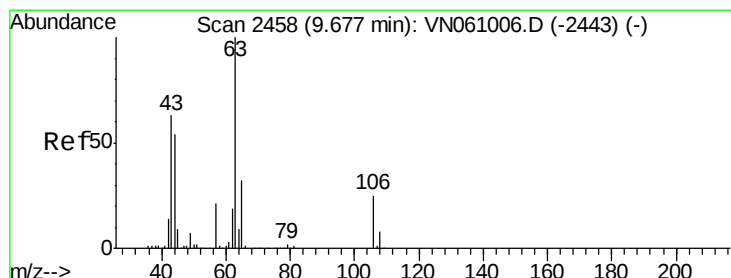
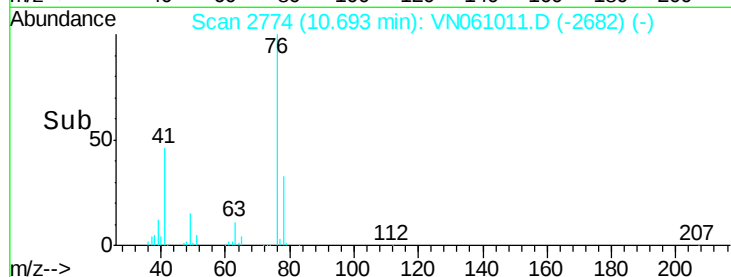
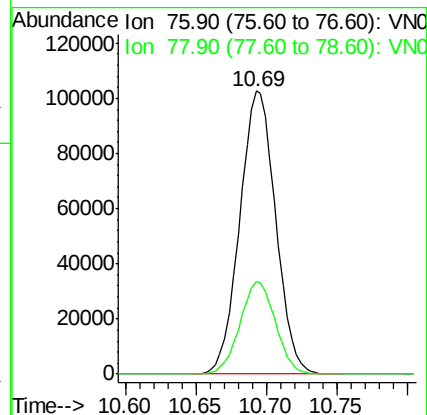
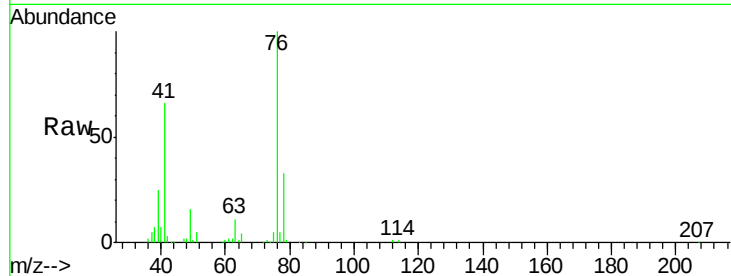
76 100

78 32.4 25.4 38.0

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#58

2-Chloroethyl Vinyl ether

Concen: 259.895 ug/l

RT: 9.68 min Scan# 2458

Delta R.T. 0.00 min

Lab File: VN061011.D

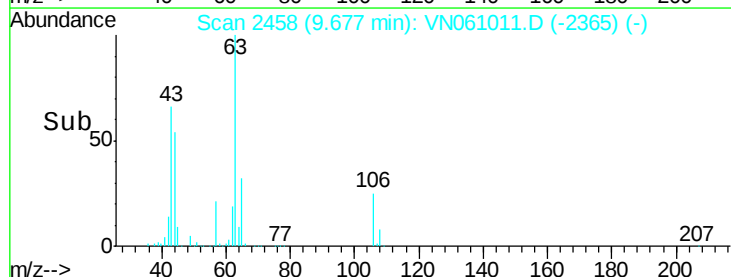
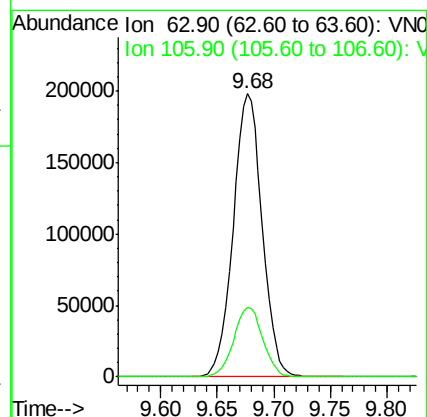
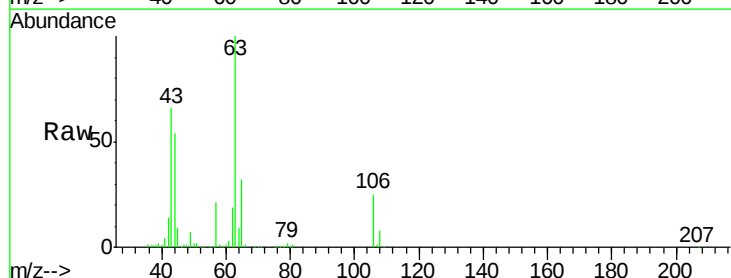
Acq: 16 Apr 2020 14:52

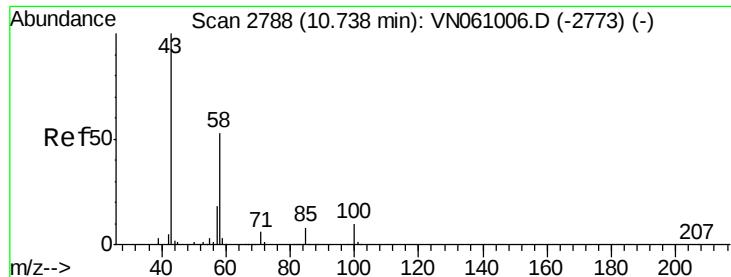
Tgt Ion: 63 Resp: 351284

Ion Ratio Lower Upper

63 100

106 24.8 19.5 29.3





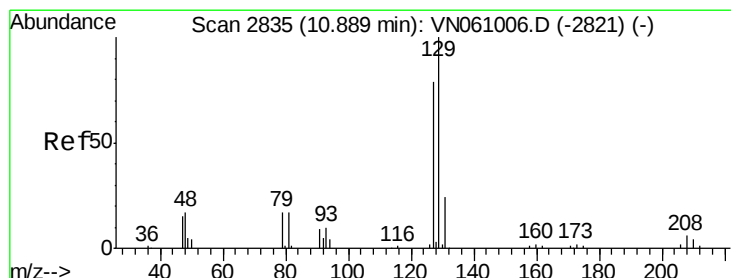
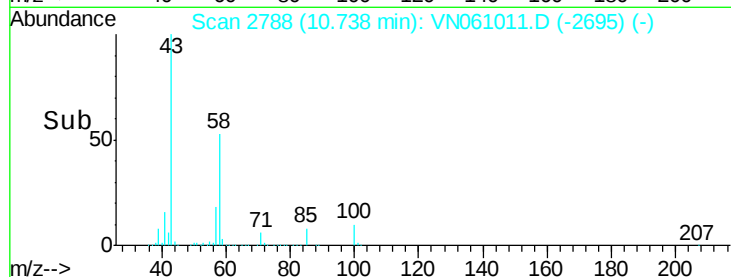
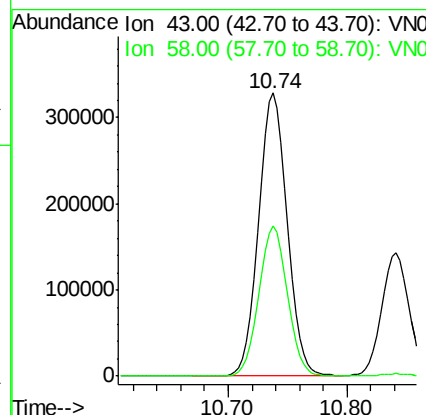
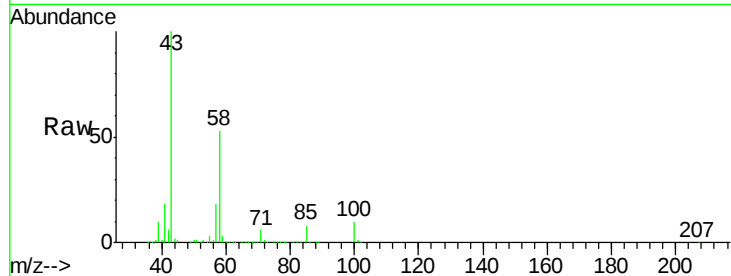
#59
2-Hexanone
Concen: 265.731 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. 0.00 min
Lab File: VN061011.D
Acq: 16 Apr 2020 14:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 547947
Ion Ratio Lower Upper
43 100
58 52.8 26.4 79.0

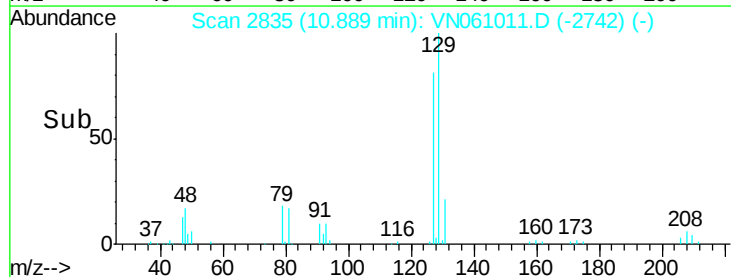
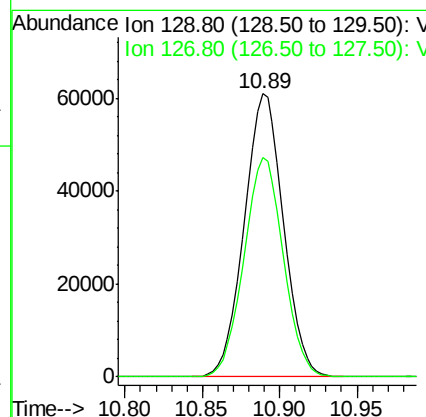
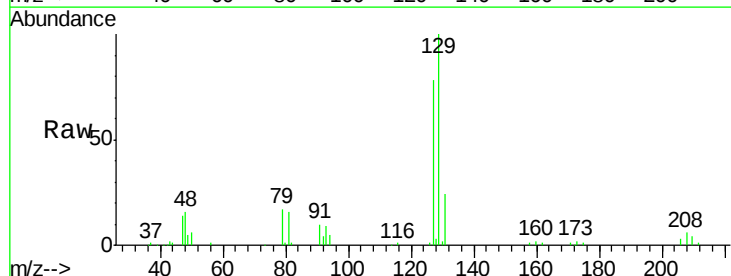
Manual Integrations
APPROVED

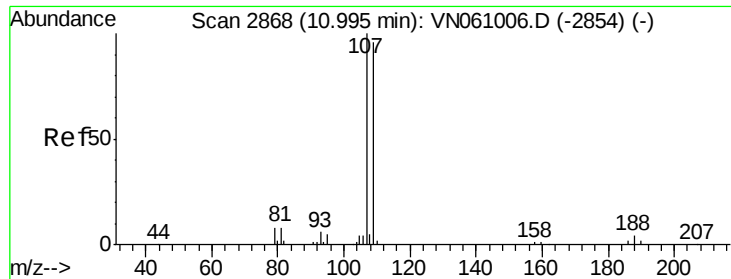
MMDadoda
4/17/2020 11:53:25 AM



#60
Dibromochloromethane
Concen: 55.344 ug/l
RT: 10.89 min Scan# 2835
Delta R.T. 0.00 min
Lab File: VN061011.D
Acq: 16 Apr 2020 14:52

Tgt Ion: 129 Resp: 107544
Ion Ratio Lower Upper
129 100
127 77.9 39.0 116.9





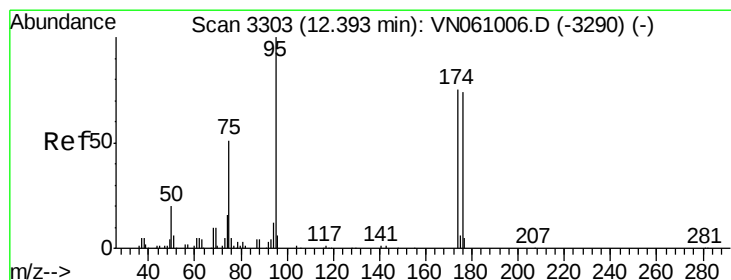
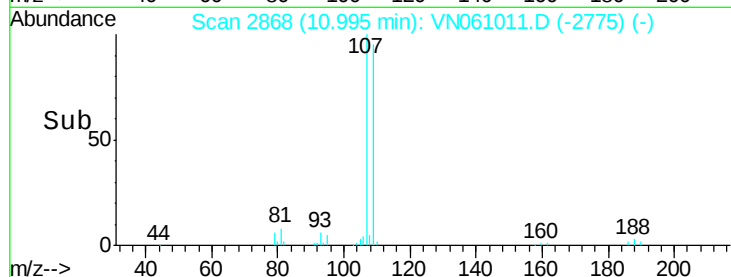
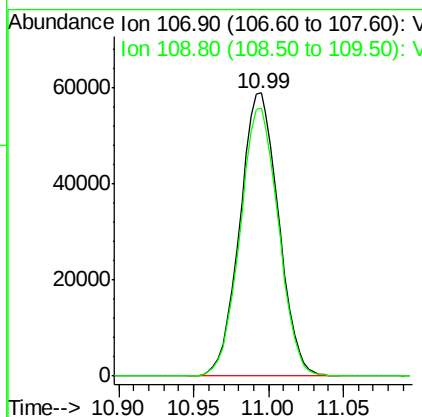
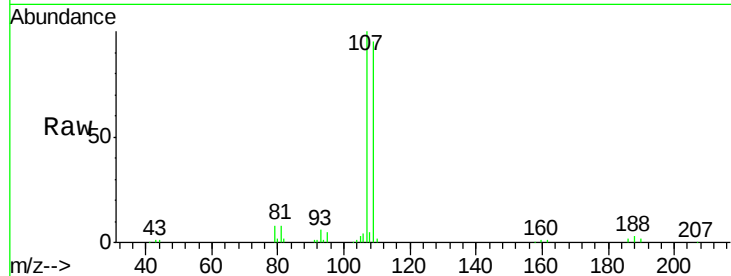
#61
 1,2-Dibromoethane
 Concen: 54.957 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. 0.00 min
 Lab File: VN061011.D
 Acq: 16 Apr 2020 14:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.9	75.9	113.9

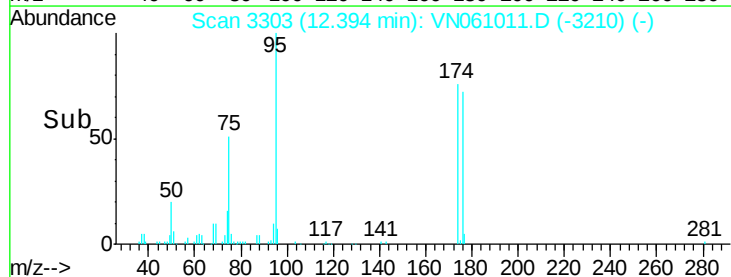
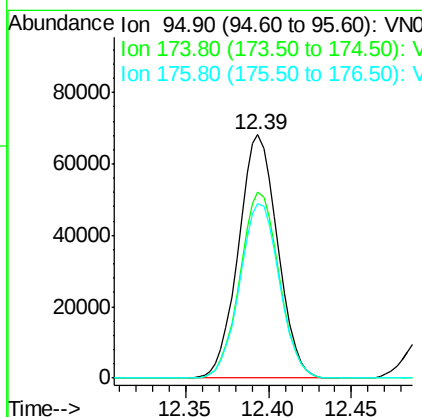
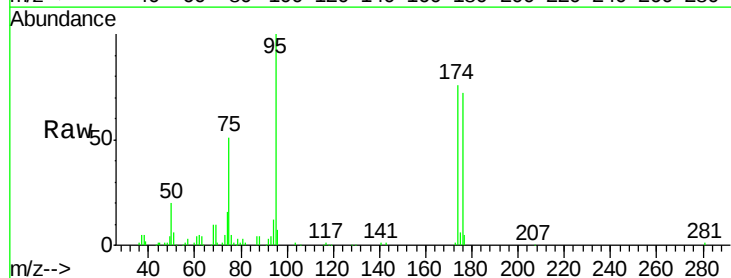
Manual Integrations
 APPROVED

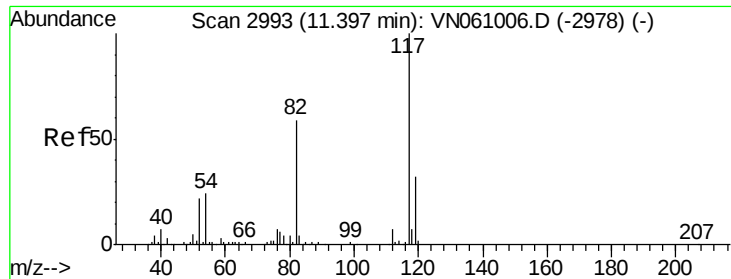
MMDadoda
 4/17/2020 11:53:25 AM



#62
 4-Bromofluorobenzene
 Concen: 47.520 ug/l
 RT: 12.39 min Scan# 3303
 Delta R.T. 0.00 min
 Lab File: VN061011.D
 Acq: 16 Apr 2020 14:52

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.2	0.0	151.2
176	72.8	0.0	148.2





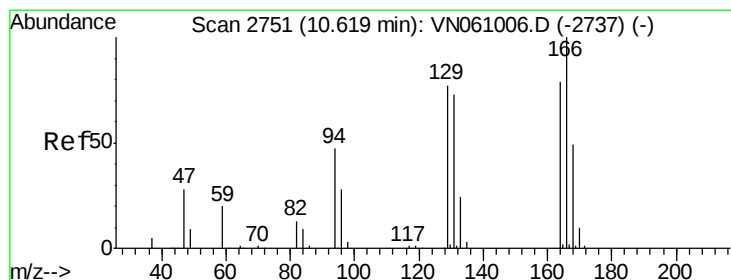
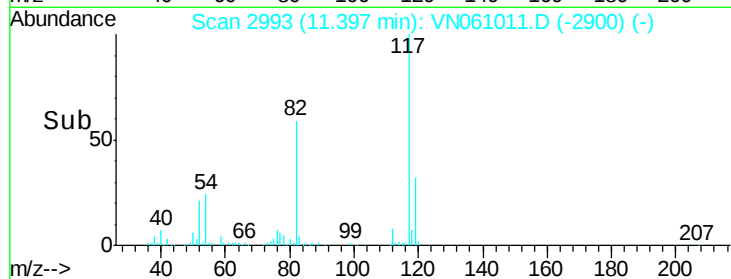
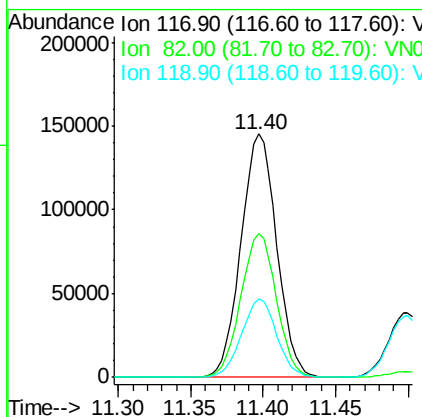
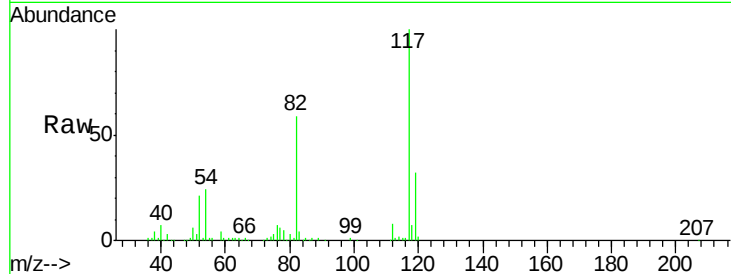
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2993
Delta R.T. 0.00 min
Lab File: VN061011.D
Acq: 16 Apr 2020 14:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.0	47.1	70.7
119	32.1	25.7	38.5

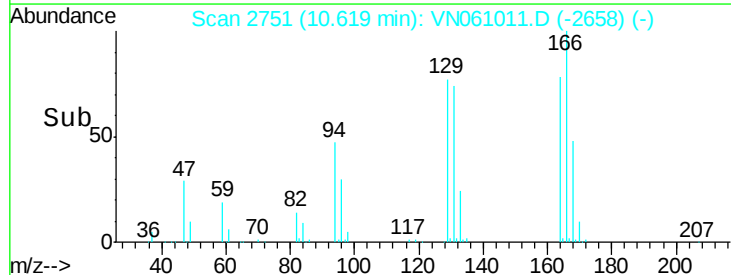
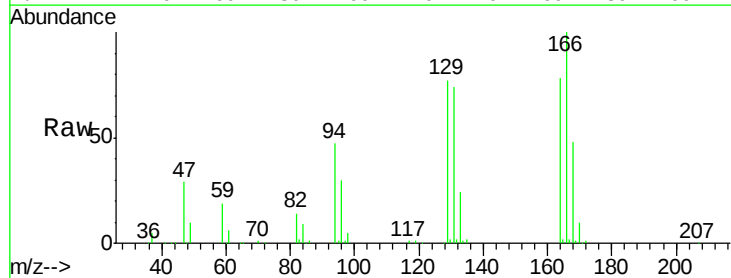
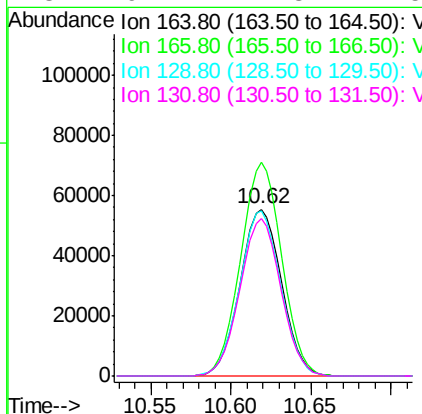
Manual Integrations
APPROVED

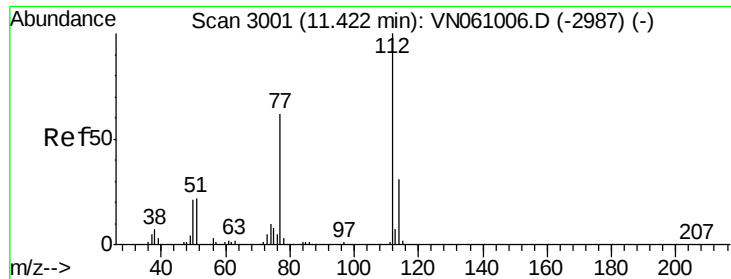
MMDadoda
4/17/2020 11:53:25 AM



#64
Tetrachloroethene
Concen: 51.442 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. 0.00 min
Lab File: VN061011.D
Acq: 16 Apr 2020 14:52

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.9	101.6	152.4
129	98.7	78.5	117.7
131	94.4	74.3	111.5





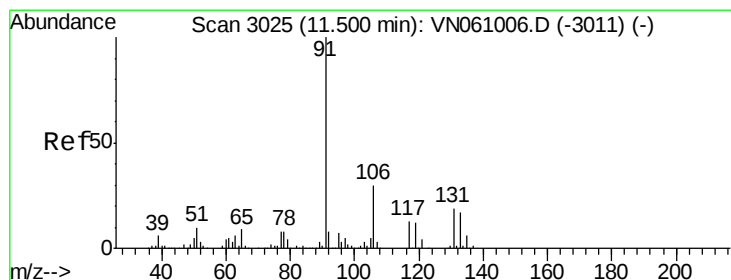
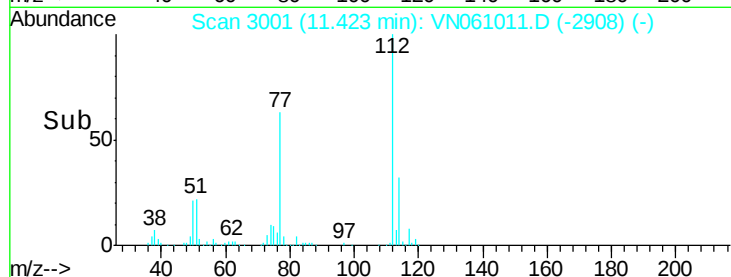
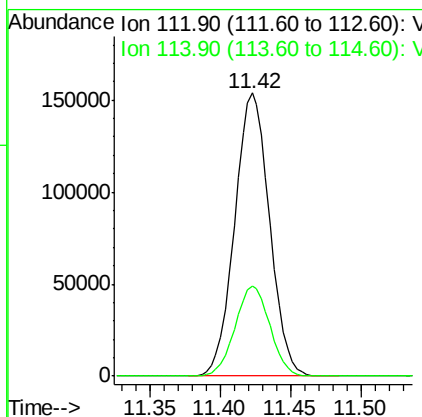
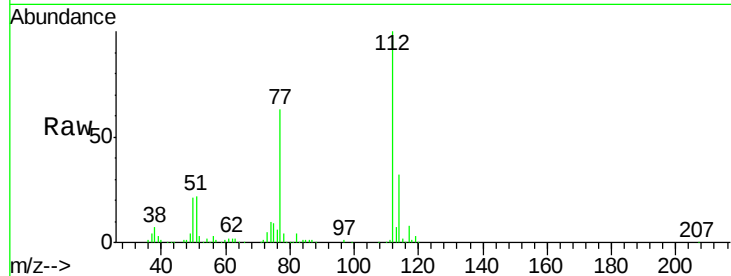
#65
Chlorobenzene
Concen: 51.774 ug/l
RT: 11.42 min Scan# 3001
Delta R.T. 0.00 min
Lab File: VN061011.D
Acq: 16 Apr 2020 14:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.9	25.1	37.7

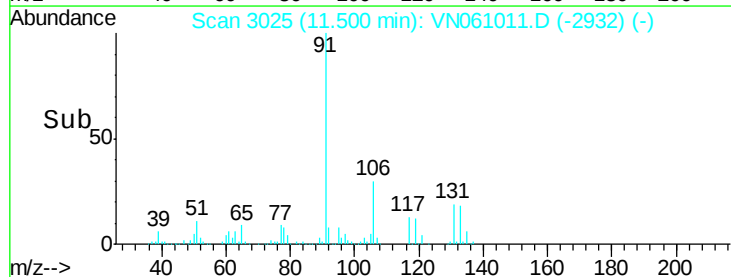
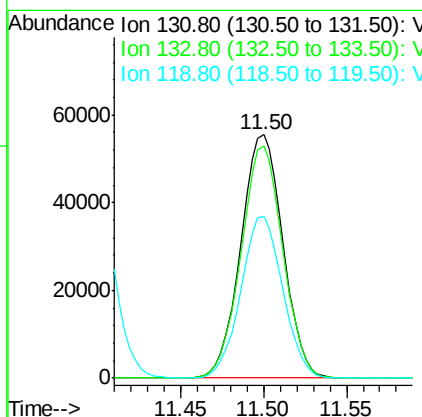
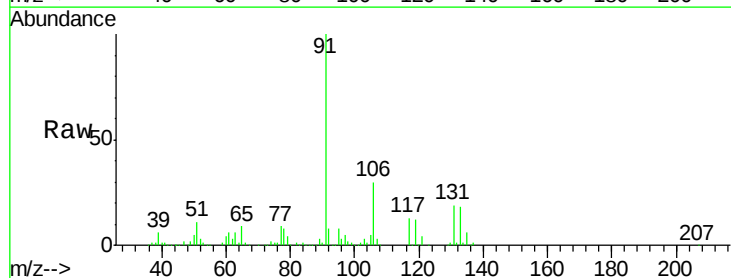
Manual Integrations
APPROVED

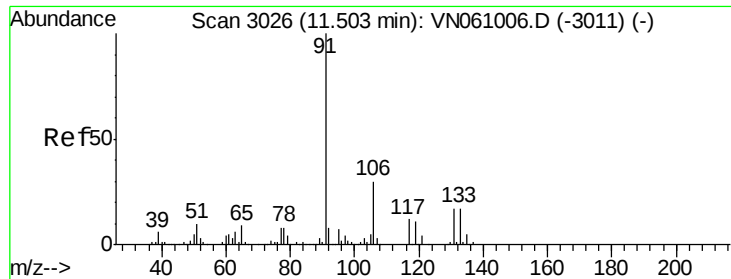
MMDadoda
4/17/2020 11:53:25 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 53.269 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. 0.00 min
Lab File: VN061011.D
Acq: 16 Apr 2020 14:52

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.6	47.9	143.8
119	65.9	33.3	99.8





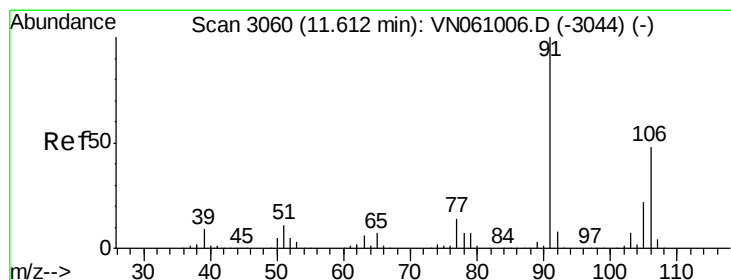
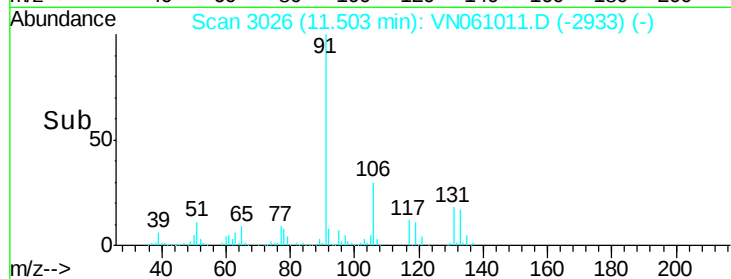
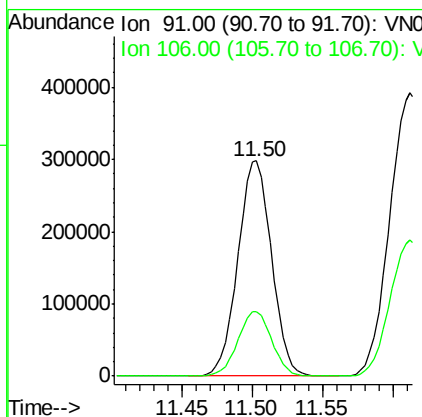
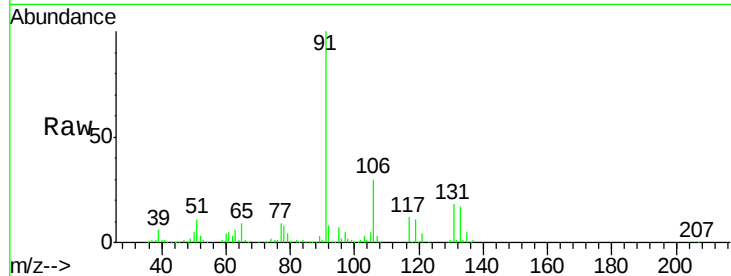
#67
Ethyl Benzene
Concen: 51.651 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN061011.D
Acq: 16 Apr 2020 14:52

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 499176
Ion Ratio Lower Upper
91 100
106 30.2 23.8 35.8

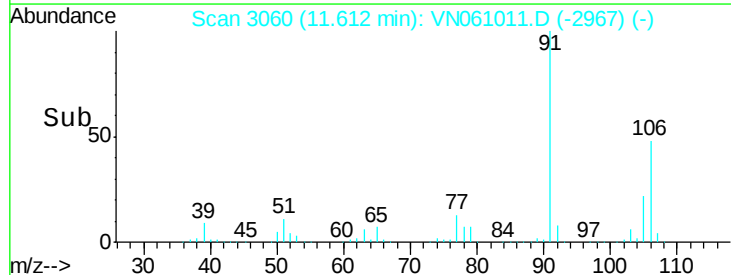
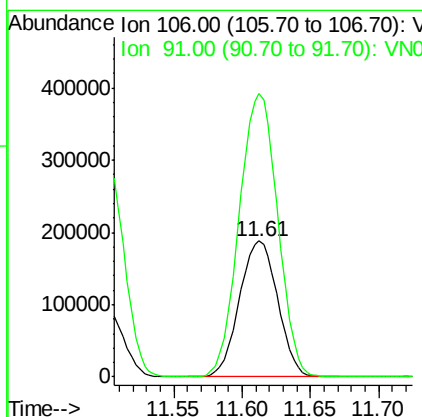
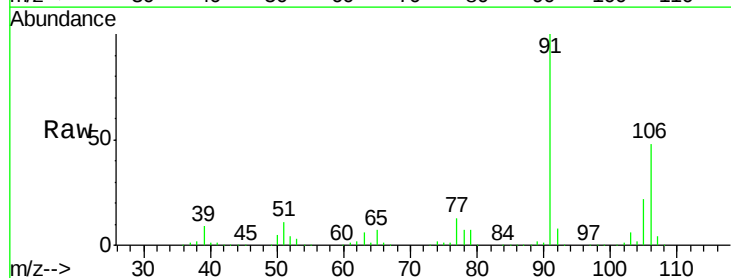
Manual Integrations
APPROVED

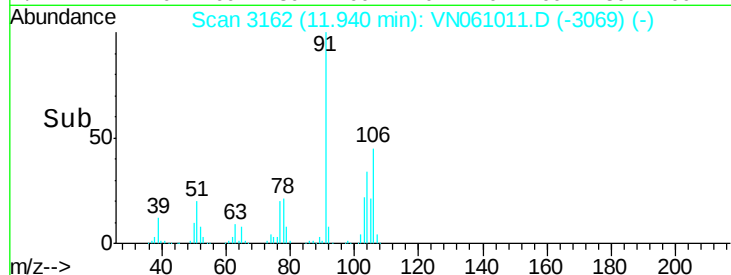
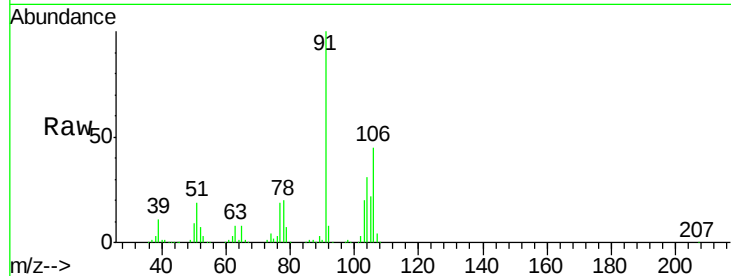
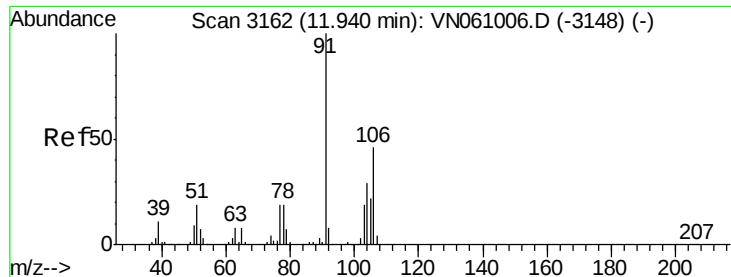
MMDadoda
4/17/2020 11:53:25 AM



#68
m/p-Xylenes
Concen: 104.688 ug/l
RT: 11.61 min Scan# 3060
Delta R.T. 0.00 min
Lab File: VN061011.D
Acq: 16 Apr 2020 14:52

Tgt Ion: 106 Resp: 365644
Ion Ratio Lower Upper
106 100
91 210.2 167.9 251.9





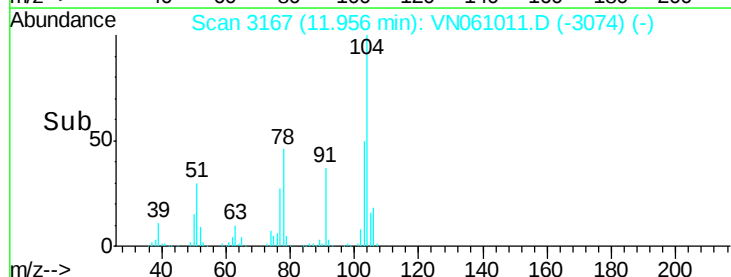
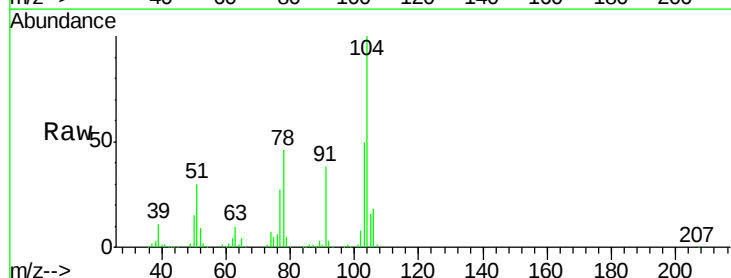
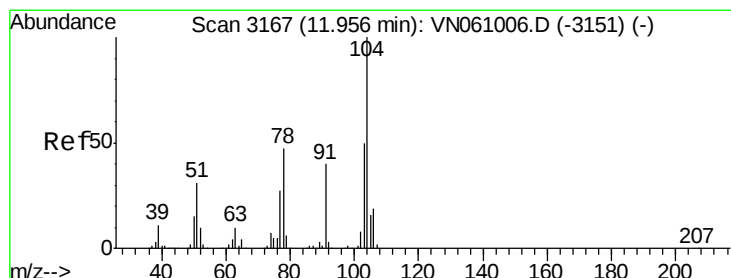
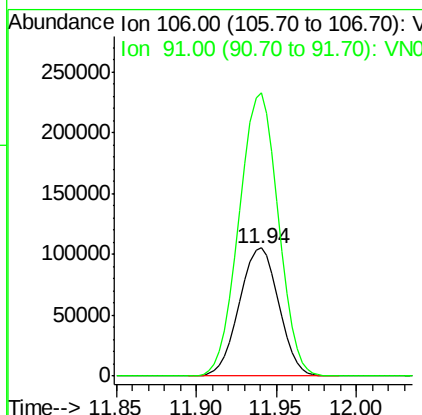
#69
o-Xylene
Concen: 52.789 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN061011.D
Acq: 16 Apr 2020 14:52

Tot Ion:106 Resp: 177272
Ion Ratio Lower Upper
106 100
91 219.6 110.7 332.1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

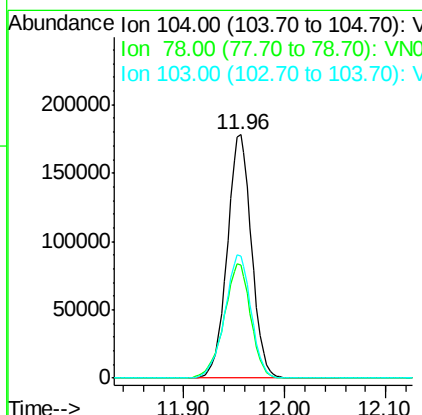
Manual Integrations
APPROVED

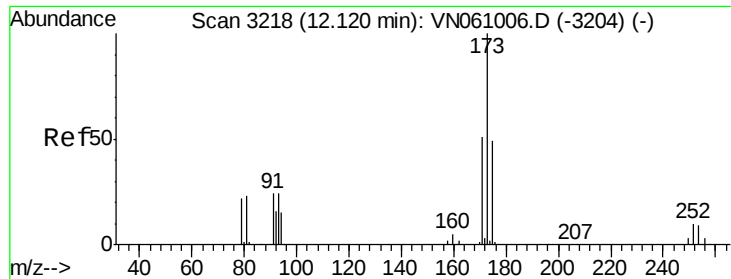
MMDadoda
4/17/2020 11:53:25 AM



#70
Styrene
Concen: 55.233 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN061011.D
Acq: 16 Apr 2020 14:52

Tgt Ion:104 Resp: 298605
Ion Ratio Lower Upper
104 100
78 51.6 42.2 63.4
103 54.9 44.4 66.6





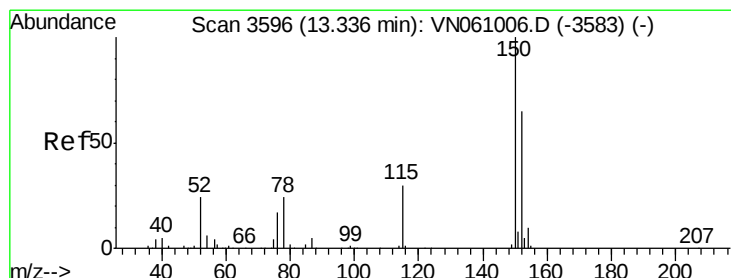
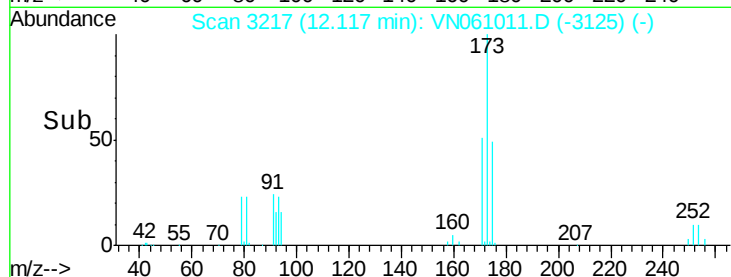
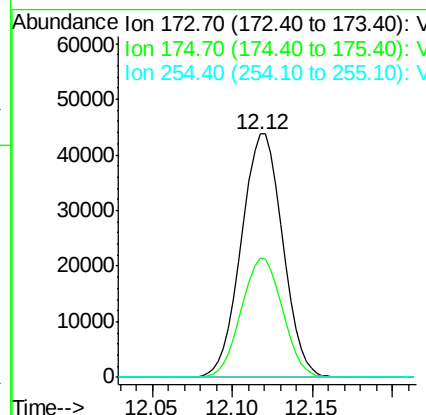
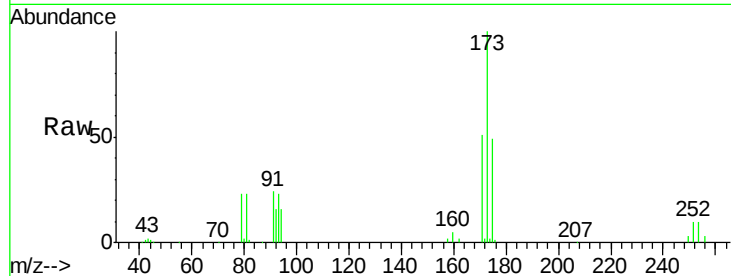
#71
Bromoform
Concen: 56.469 ug/l
RT: 12.12 min Scan# 3217
Delta R.T. -0.00 min
Lab File: VN061011.D
Acq: 16 Apr 2020 14:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.5	73.5
254	0.0	0.0	0.0

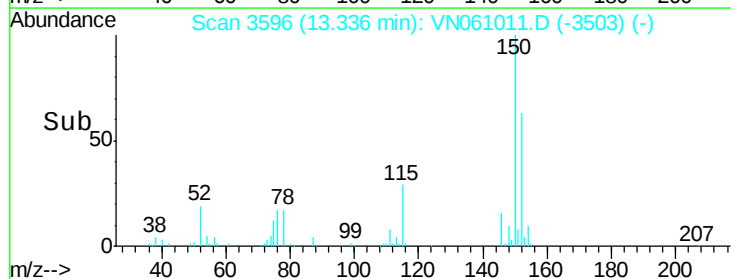
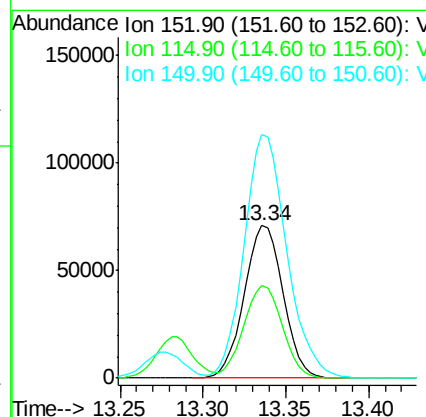
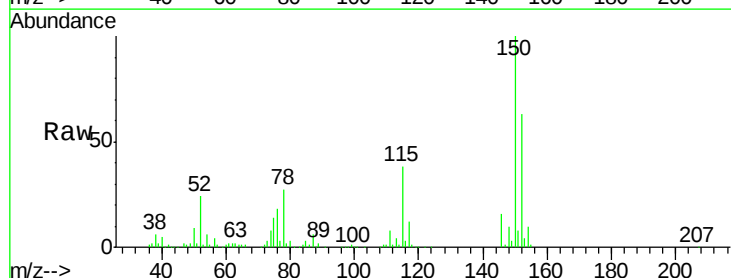
Manual Integrations
APPROVED

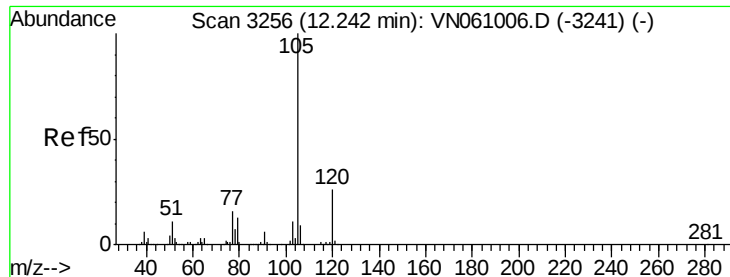
MMDadoda
4/17/2020 11:53:25 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3596
Delta R.T. 0.00 min
Lab File: VN061011.D
Acq: 16 Apr 2020 14:52

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.4	30.8	92.4
150	175.4	0.0	349.0





#73

Isopropylbenzene

Concen: 50.370 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. 0.00 min

Lab File: VN061011.D

Acq: 16 Apr 2020 14:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 467793

Ion Ratio Lower Upper

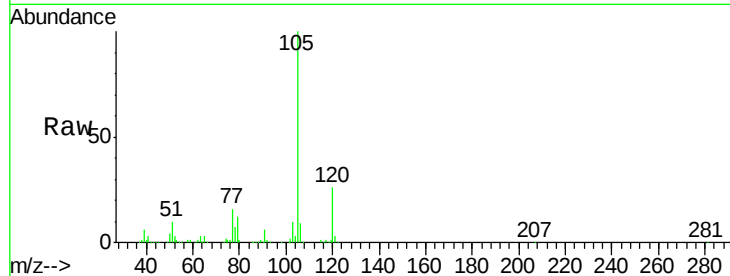
105 100

120 25.5 13.0 38.9

Manual Integrations
APPROVED

MMDadoda

4/17/2020 11:53:25 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

300000

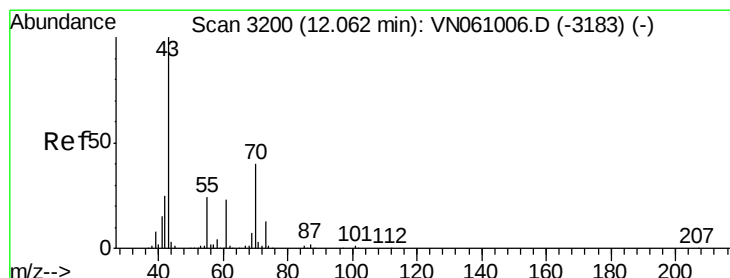
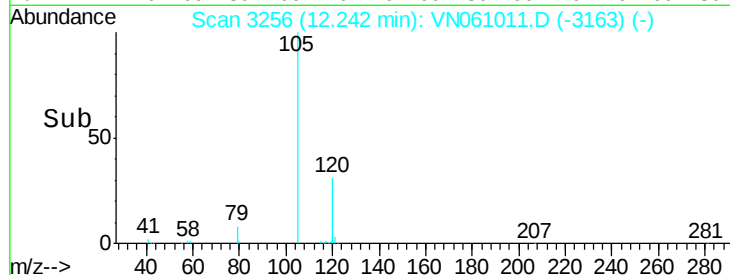
200000

100000

0

12.15 12.20 12.25 12.30

Time-->



#74

N-ethyl acetate

Concen: 52.983 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN061011.D

Acq: 16 Apr 2020 14:52

Tgt Ion: 43 Resp: 228824

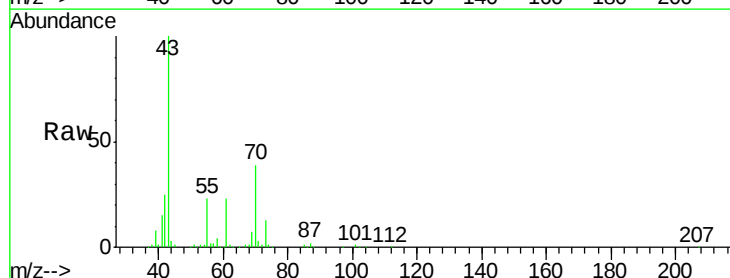
Ion Ratio Lower Upper

43 100

70 38.9 31.0 46.6

55 23.1 18.6 27.8

61 23.3 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

200000

150000

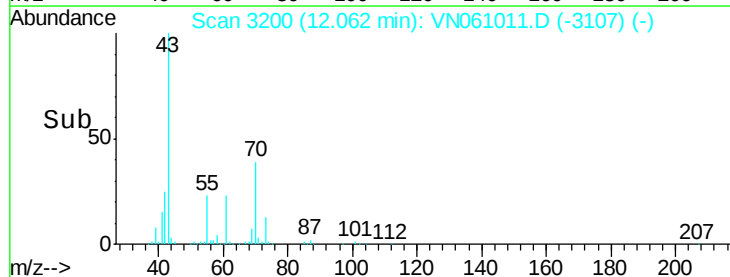
100000

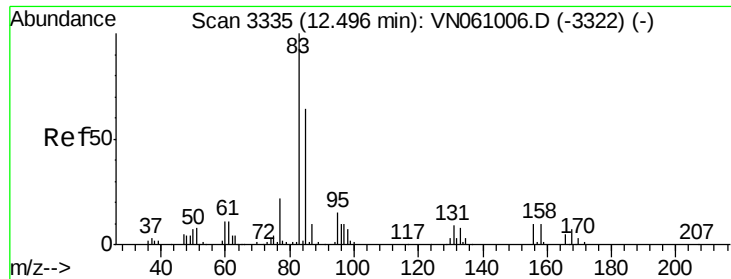
50000

0

12.00 12.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 52.400 ug/l

RT: 12.50 min Scan# 3335

Delta R.T. 0.00 min

Lab File: VN061011.D

Acq: 16 Apr 2020 14:52

Instrument :

MSVOA_N

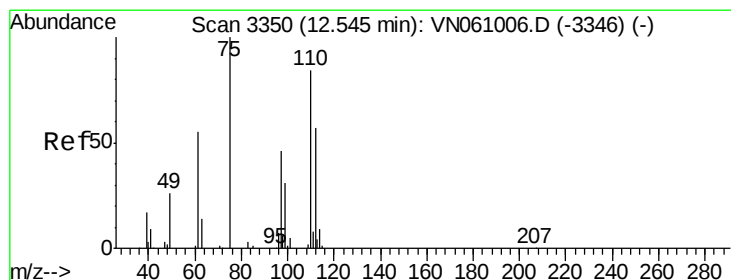
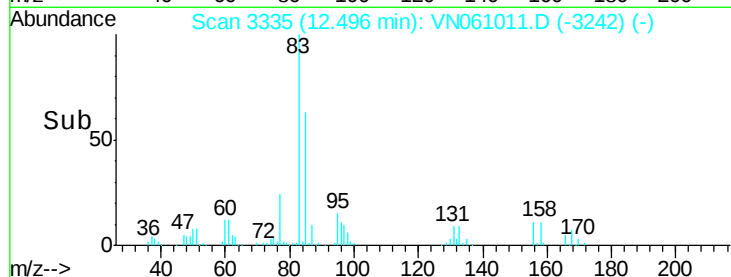
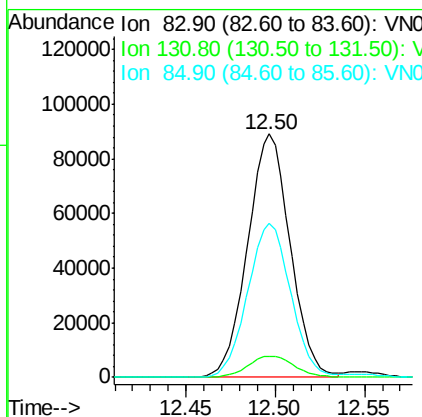
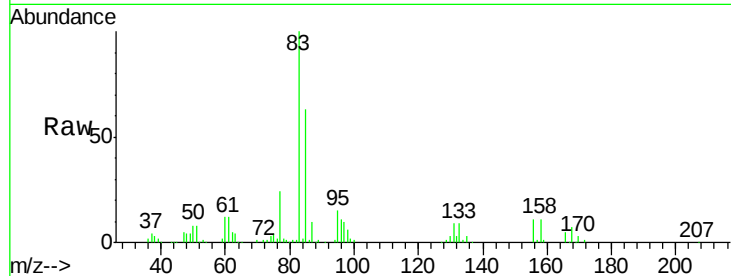
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	148553
Ion Ratio	Lower	Upper	
83	100		
131	9.4	4.8	14.3
85	64.1	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 53.749 ug/l m

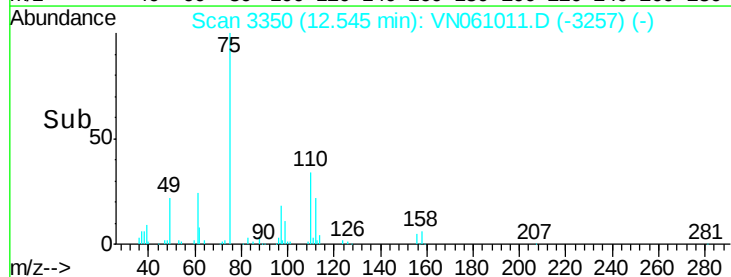
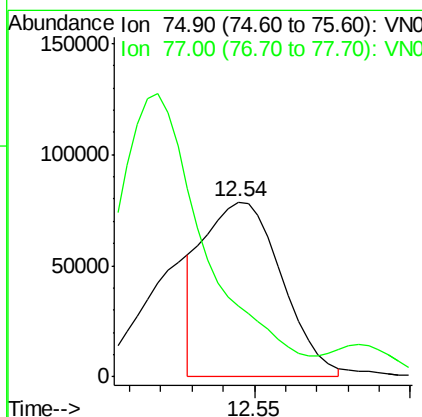
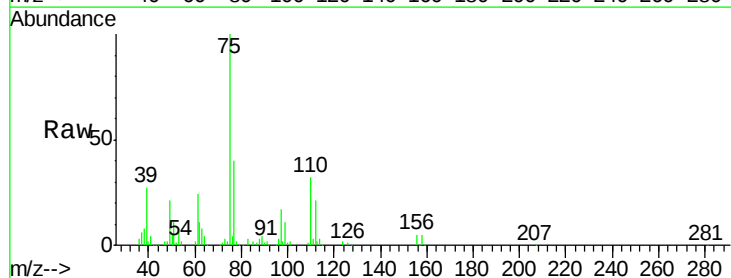
RT: 12.54 min Scan# 3350

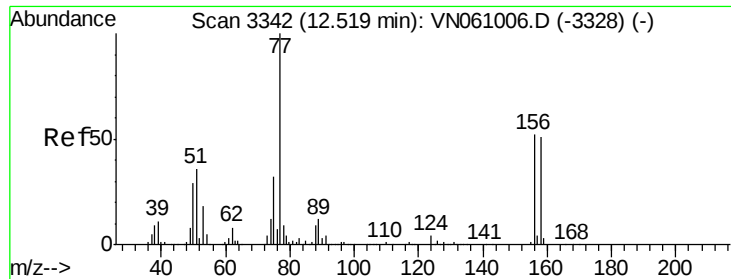
Delta R.T. 0.00 min

Lab File: VN061011.D

Acq: 16 Apr 2020 14:52

Tgt Ion:	75	Resp:	137050
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





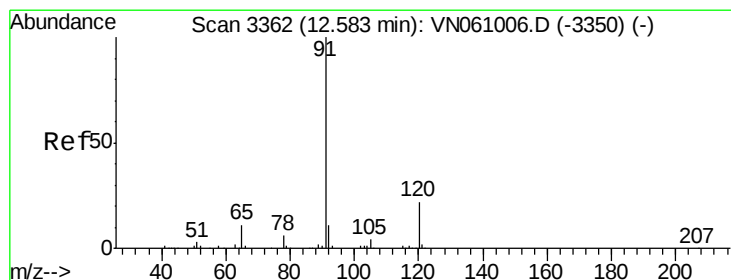
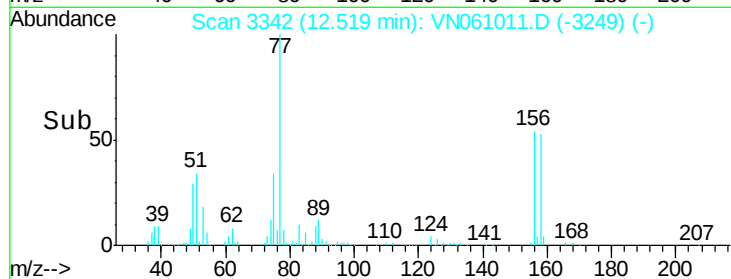
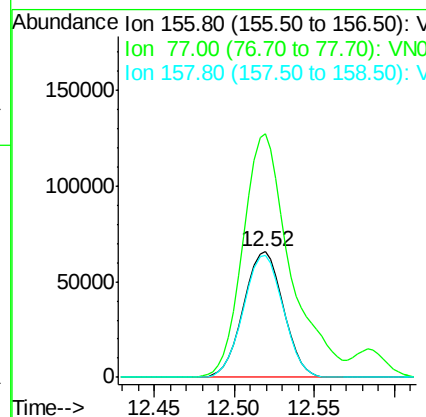
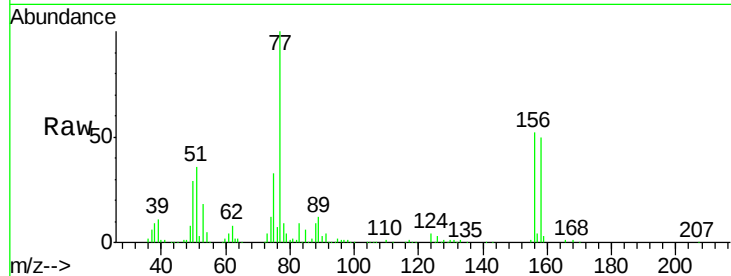
#77
Bromobenzene
Concen: 51.483 ug/l
RT: 12.52 min Scan# 3342
Delta R.T. 0.00 min
Lab File: VN061011.D
Acq: 16 Apr 2020 14:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	230.1	115.6	346.8	
158	97.6	48.9	146.6	

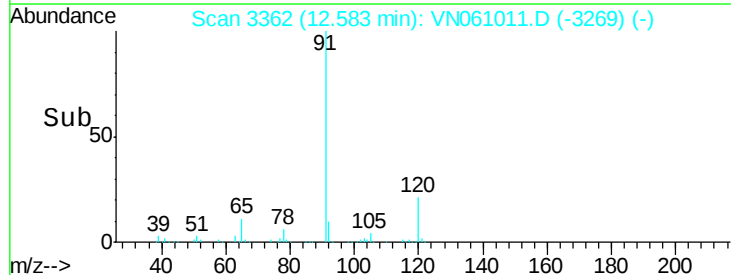
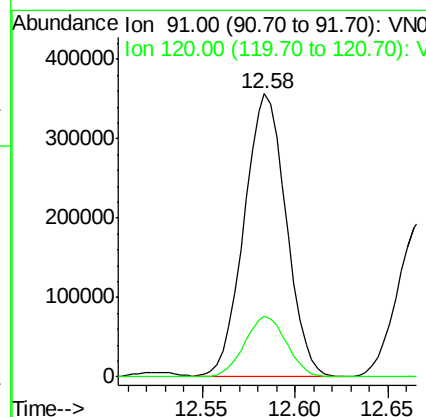
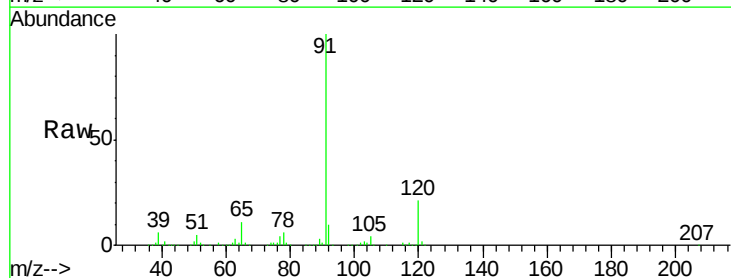
Manual Integrations
APPROVED

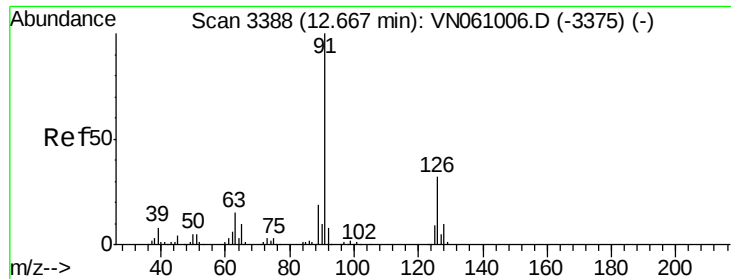
MMDadoda
4/17/2020 11:53:25 AM



#78
n-propylbenzene
Concen: 51.781 ug/l
RT: 12.58 min Scan# 3362
Delta R.T. 0.00 min
Lab File: VN061011.D
Acq: 16 Apr 2020 14:52

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	21.5	10.9	32.7	





#79

2-Chlorotoluene

Concen: 51.444 ug/l

RT: 12.67 min Scan# 3388

Delta R.T. 0.00 min

Lab File: VN061011.D

Acq: 16 Apr 2020 14:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 327839

Ion Ratio Lower Upper

91 100

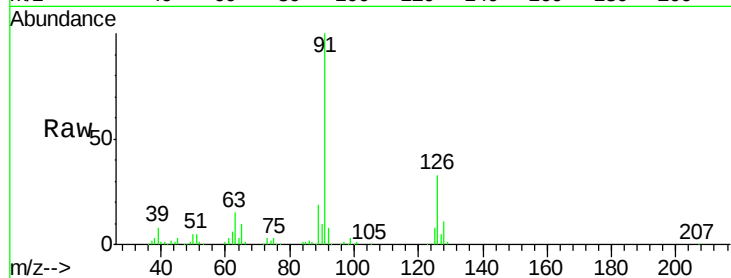
126 32.5 16.1 48.2

Manual Integrations

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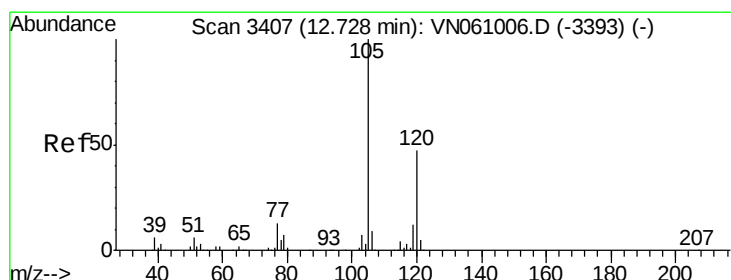
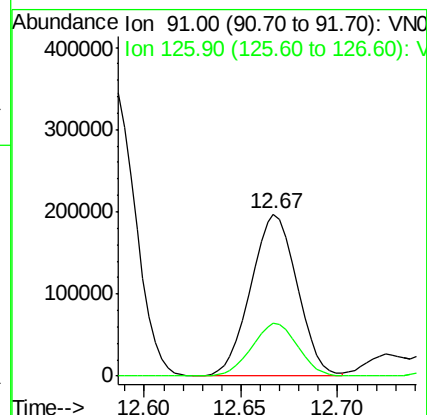
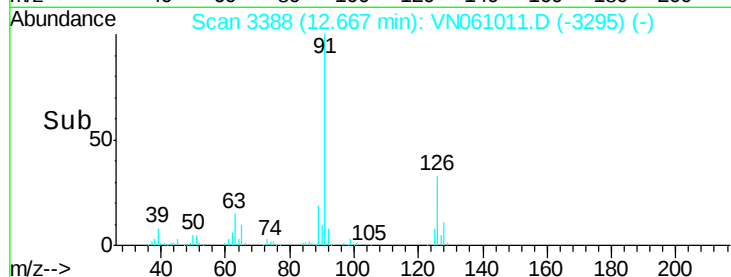
MMDadoda

4/17/2020 11:53:25 AM



Abundance Ion 91.00 (90.70 to 91.70): VN061011.D (-3388) (-)

Ion 125.90 (125.60 to 126.60): VN061011.D (-3388) (-)



#80

1,3,5-Trimethylbenzene

Concen: 52.190 ug/l

RT: 12.72 min Scan# 3406

Delta R.T. -0.00 min

Lab File: VN061011.D

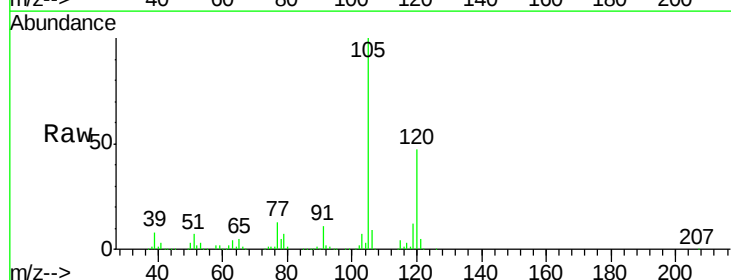
Acq: 16 Apr 2020 14:52

Tgt Ion: 105 Resp: 400637

Ion Ratio Lower Upper

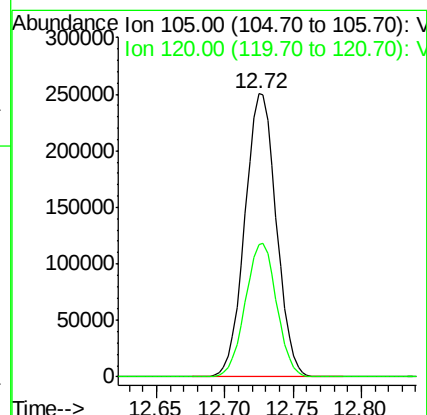
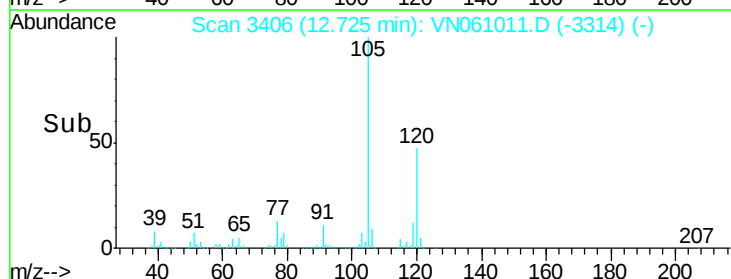
105 100

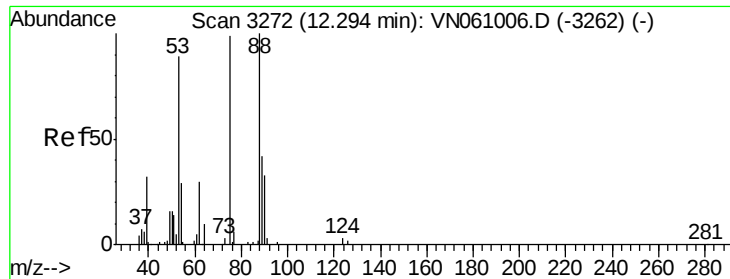
120 47.1 23.6 70.8



Abundance Ion 105.00 (104.70 to 105.70): VN061011.D (-3407) (-)

Ion 120.00 (119.70 to 120.70): VN061011.D (-3407) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 51.955 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VN061011.D

Acq: 16 Apr 2020 14:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 53709

Ion Ratio Lower Upper

75 100

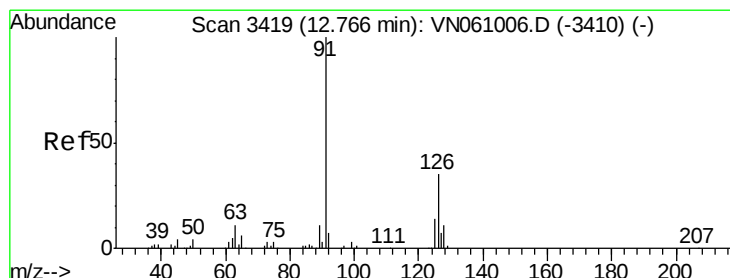
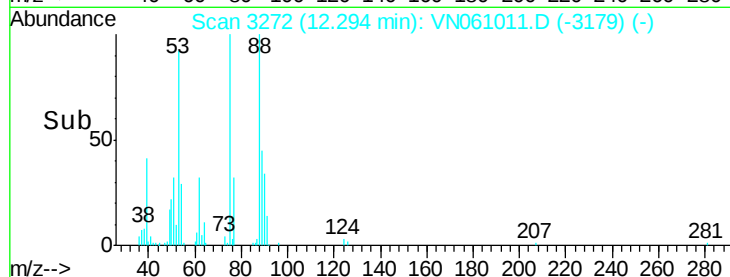
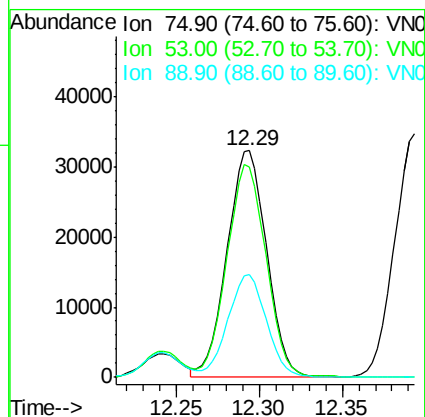
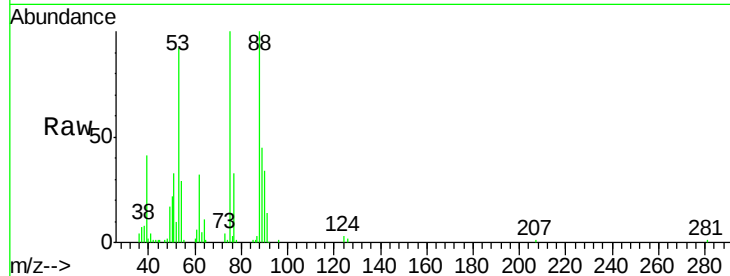
53 93.1 74.7 112.1

89 44.2 34.6 52.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 51.723 ug/l

RT: 12.77 min Scan# 3419

Delta R.T. 0.00 min

Lab File: VN061011.D

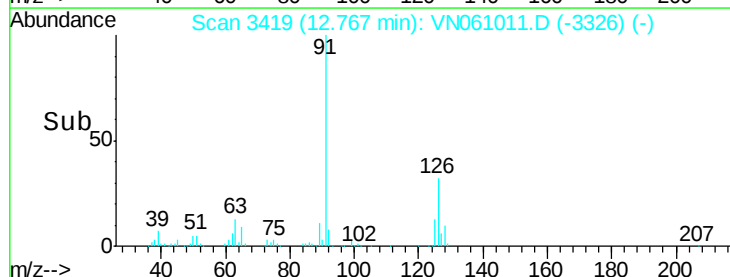
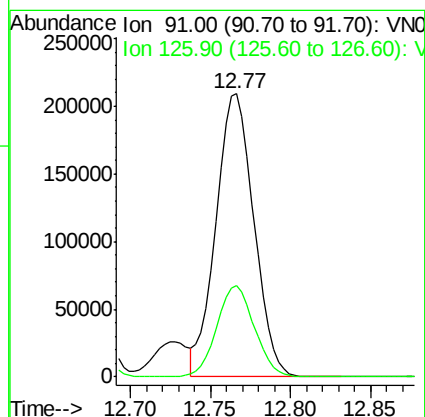
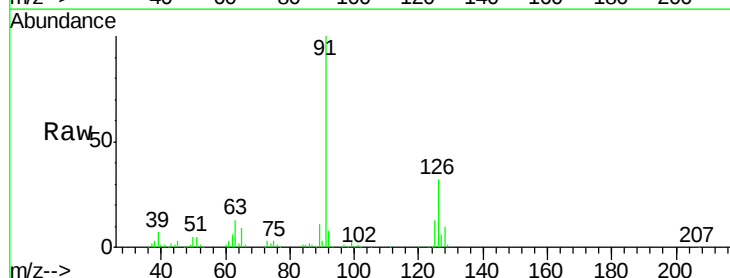
Acq: 16 Apr 2020 14:52

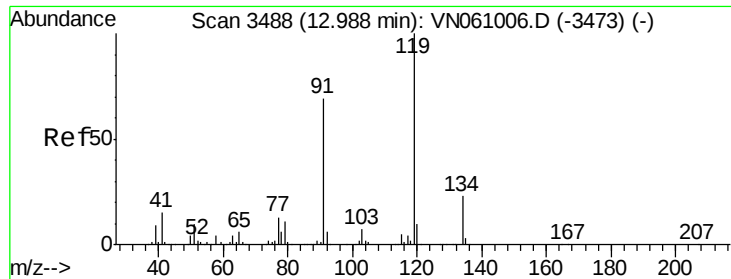
Tgt Ion: 91 Resp: 341857

Ion Ratio Lower Upper

91 100

126 31.8 15.9 47.6





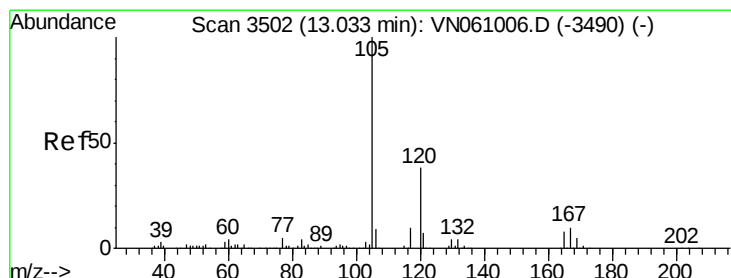
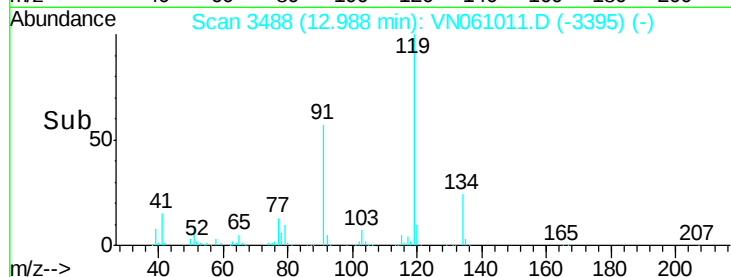
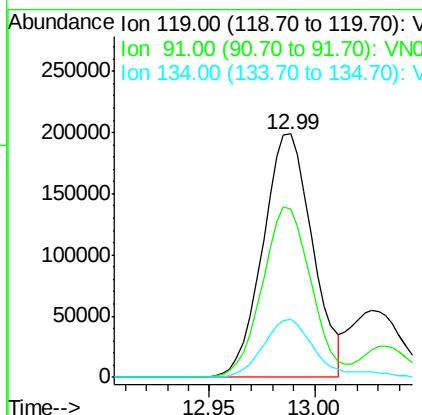
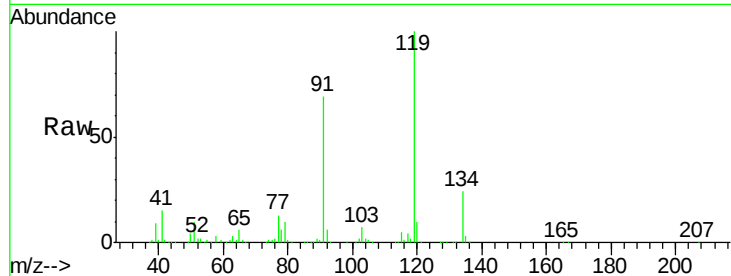
#83
tert-Butylbenzene
Concen: 50.480 ug/l
RT: 12.99 min Scan# 3488
Delta R.T. 0.00 min
Lab File: VN061011.D
Acq: 16 Apr 2020 14:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	325893		
91	68.8	34.1	102.3	
134	25.3	12.4	37.2	

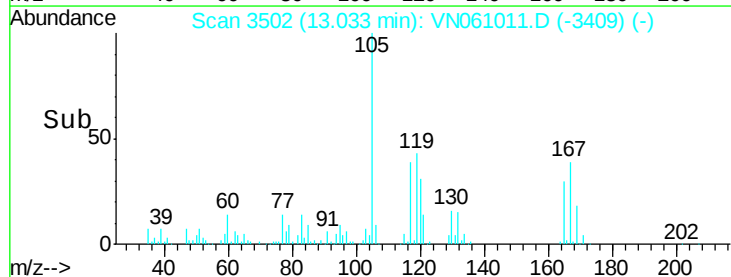
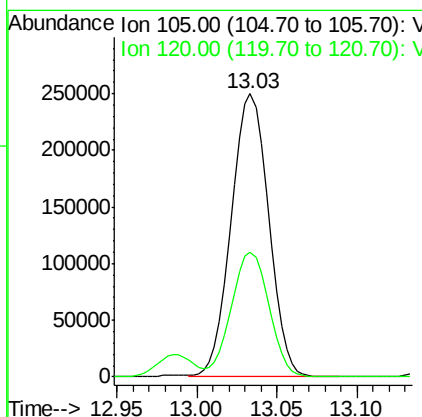
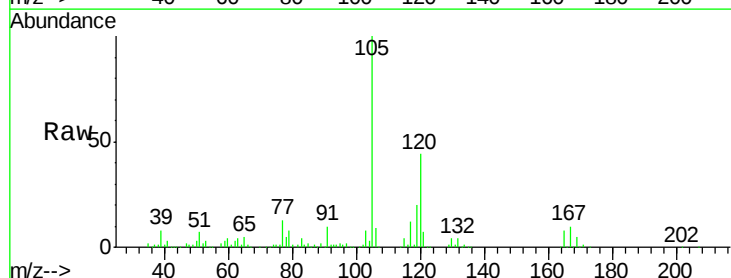
Manual Integrations
APPROVED

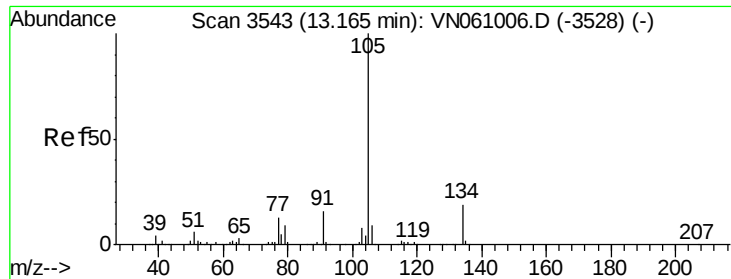
MMDadoda
4/17/2020 11:53:25 AM



#84
1,2,4-Trimethylbenzene
Concen: 52.480 ug/l
RT: 13.03 min Scan# 3502
Delta R.T. 0.00 min
Lab File: VN061011.D
Acq: 16 Apr 2020 14:52

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	398217		
120	44.4	22.1	66.5	





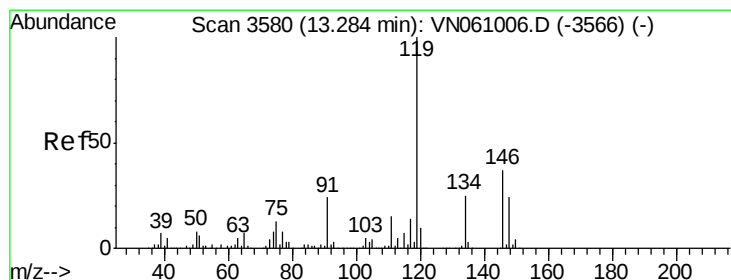
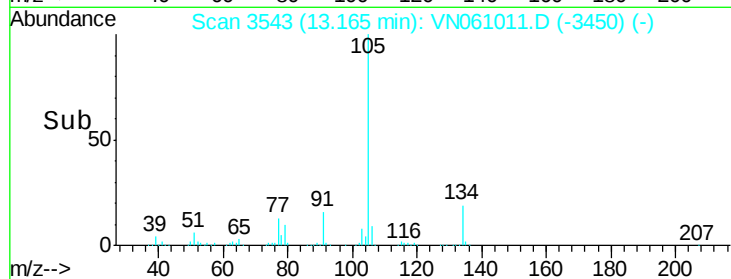
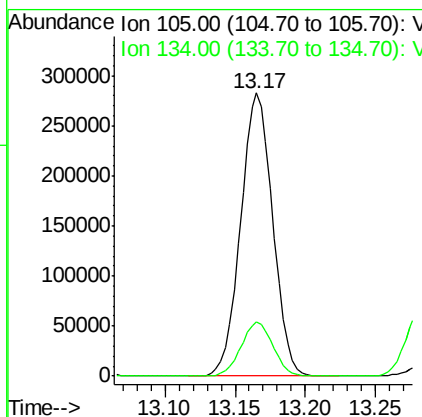
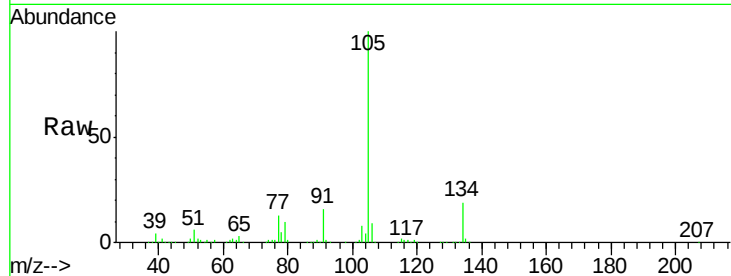
#85
 sec-Butylbenzene
 Concen: 51.341 ug/l
 RT: 13.17 min Scan# 3543
 Delta R.T. 0.00 min
 Lab File: VN061011.D
 Acq: 16 Apr 2020 14:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.1	9.5	28.5

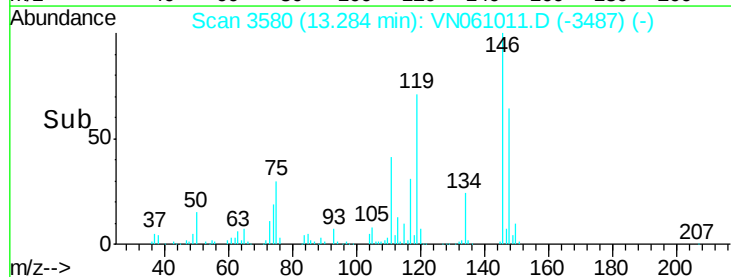
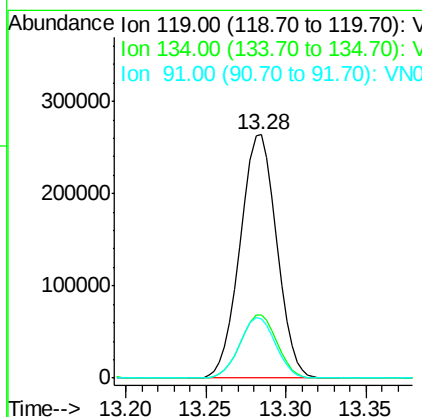
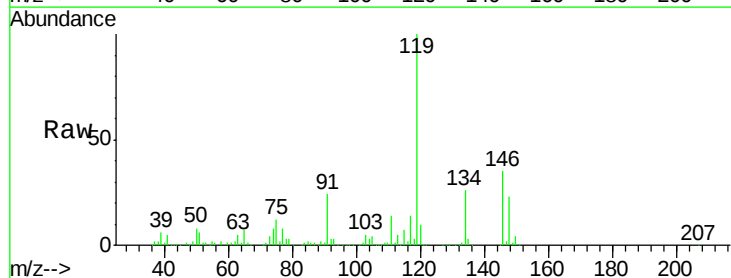
Manual Integrations
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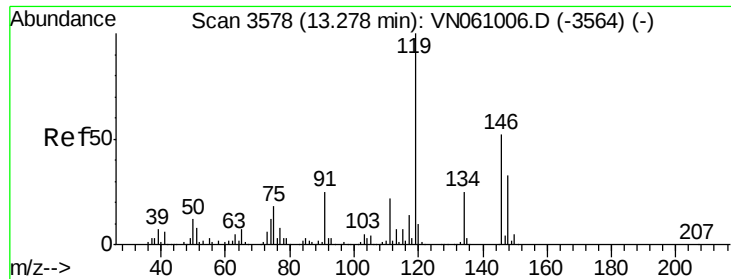
MMDadoda
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#86
 p-Isopropyltoluene
 Concen: 52.633 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN061011.D
 Acq: 16 Apr 2020 14:52

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.0	12.8	38.4
91	24.4	12.3	36.8





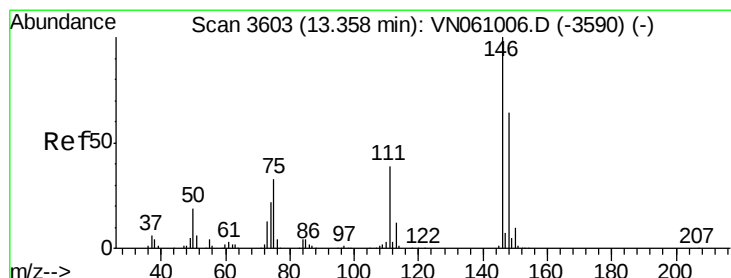
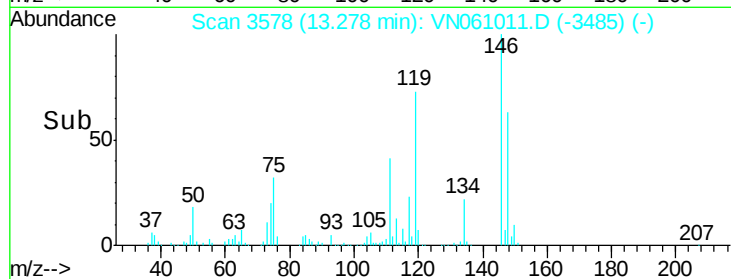
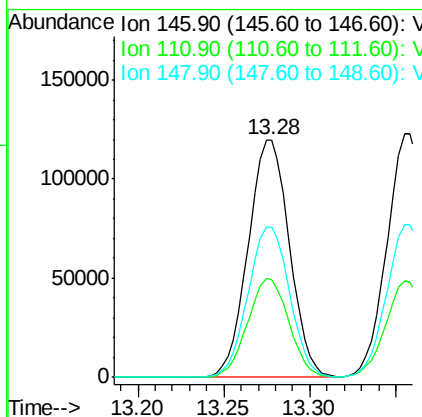
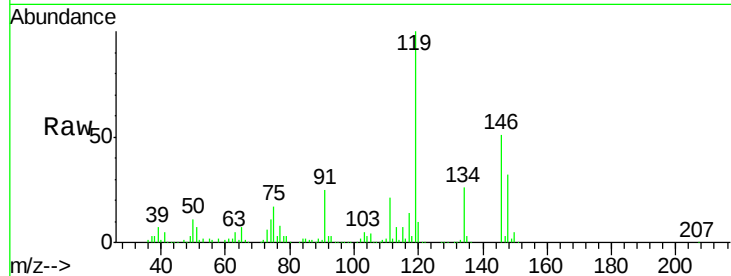
#87
 1,3-Dichlorobenzene
 Concen: 51.635 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. 0.00 min
 Lab File: VN061011.D
 Acq: 16 Apr 2020 14:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	199536		
111	41.5	20.6	61.8	
148	63.9	31.8	95.3	

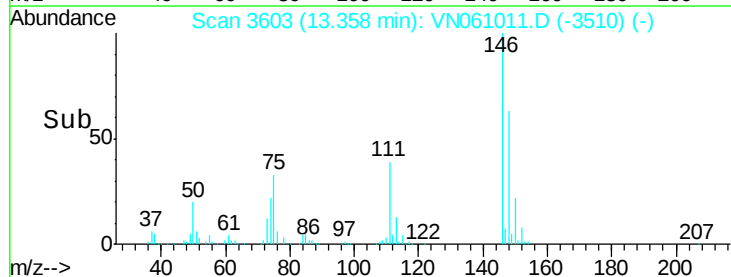
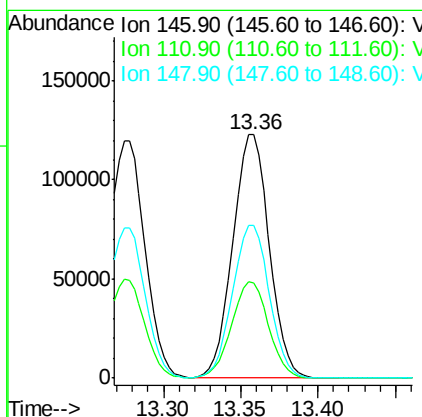
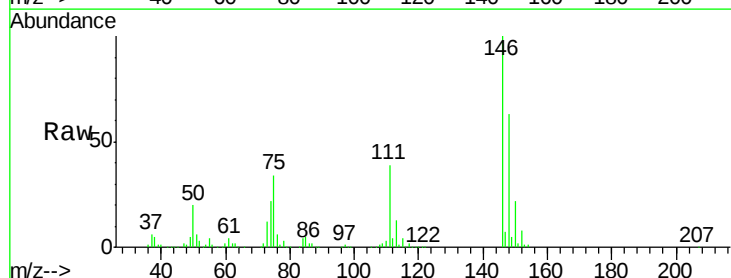
Manual Integrations
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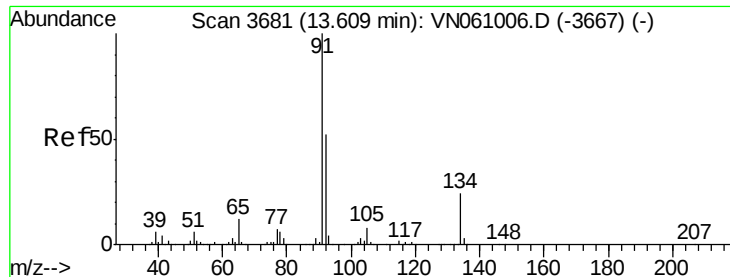
MMDadoda
 4/17/2020 11:53:25 AM



#88
 1,4-Dichlorobenzene
 Concen: 51.738 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN061011.D
 Acq: 16 Apr 2020 14:52

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	201142		
111	40.1	20.1	60.3	
148	63.4	32.1	96.3	





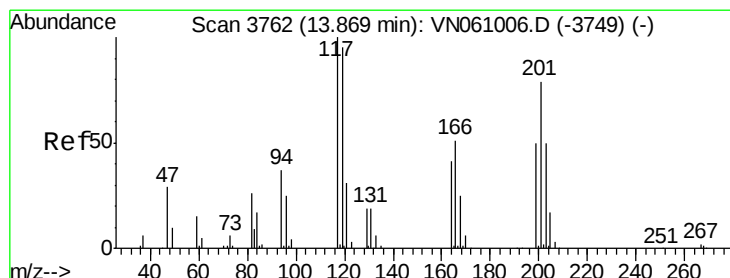
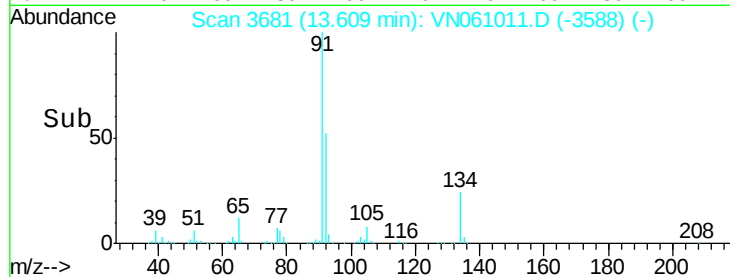
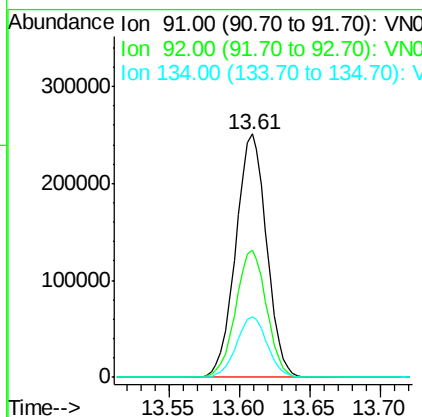
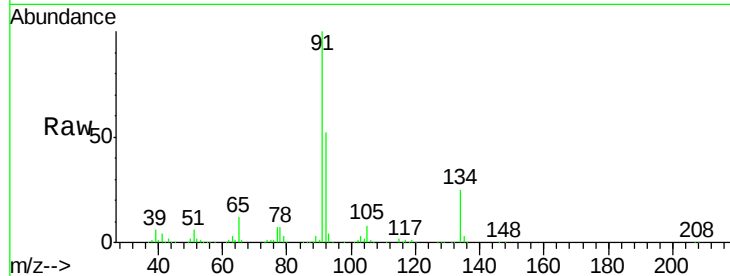
#89
n-Butylbenzene
Concen: 53.145 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. 0.00 min
Lab File: VN061011.D
Acq: 16 Apr 2020 14:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.1	78.2
134	24.7	12.3	36.8

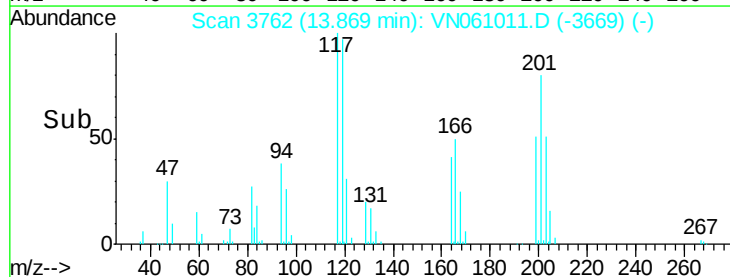
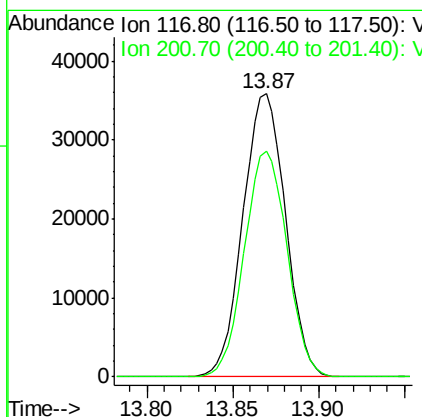
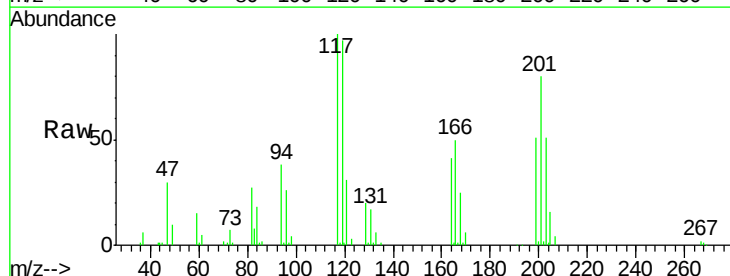
Manual Integrations
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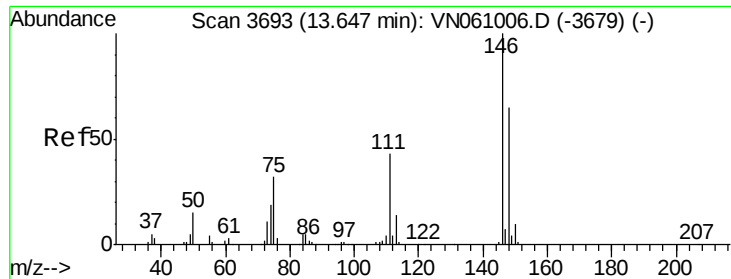
MMDadoda
4/17/2020 11:53:25 AM



#90
Hexachloroethane
Concen: 51.698 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. 0.00 min
Lab File: VN061011.D
Acq: 16 Apr 2020 14:52

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.7	39.3	117.9





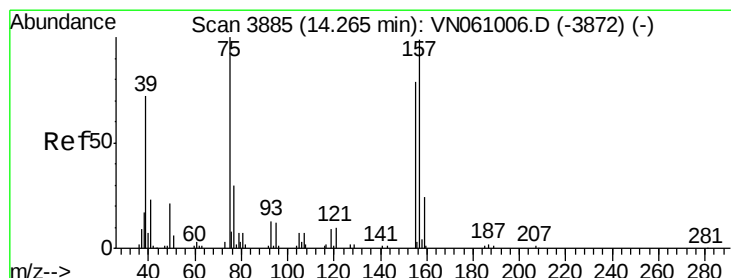
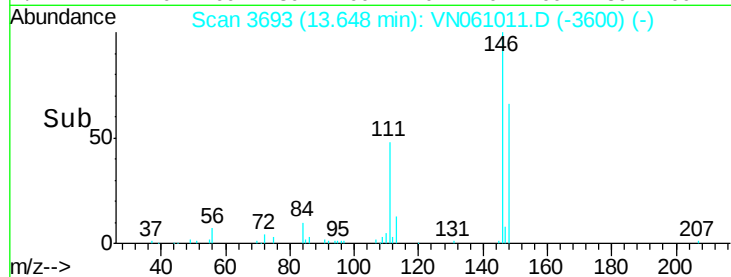
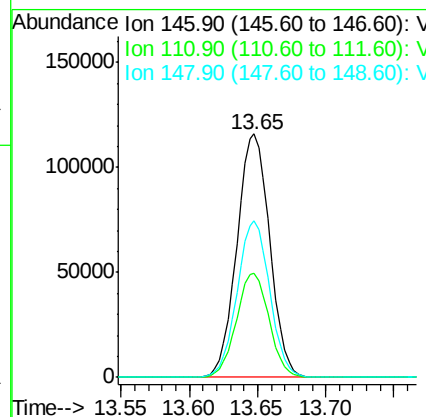
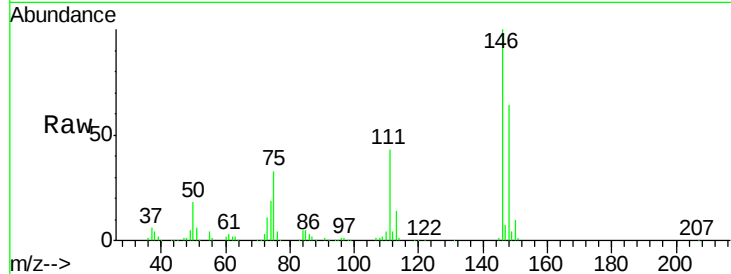
#91
 1,2-Dichlorobenzene
 Concen: 52.591 ug/l
 RT: 13.65 min Scan# 3693
 Delta R.T. 0.00 min
 Lab File: VN061011.D
 Acq: 16 Apr 2020 14:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.3	64.0
148	63.7	32.0	96.0

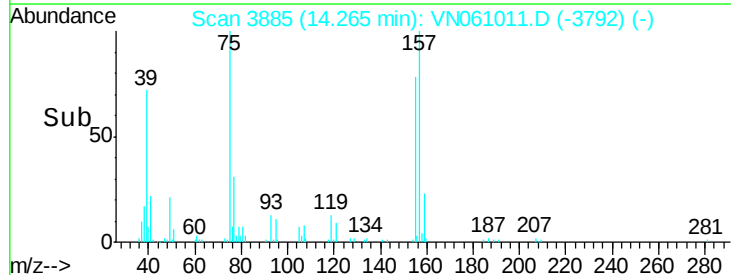
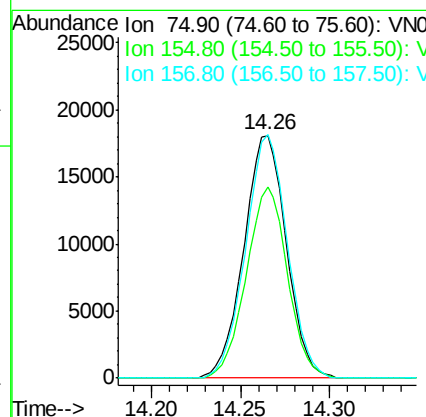
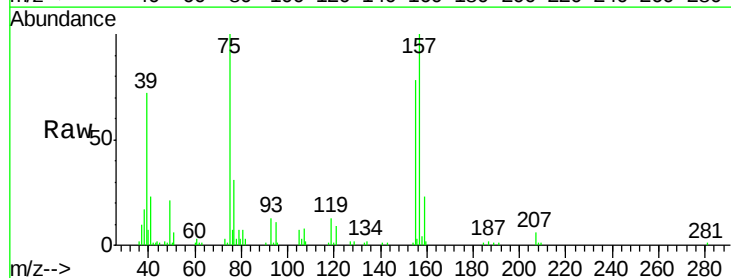
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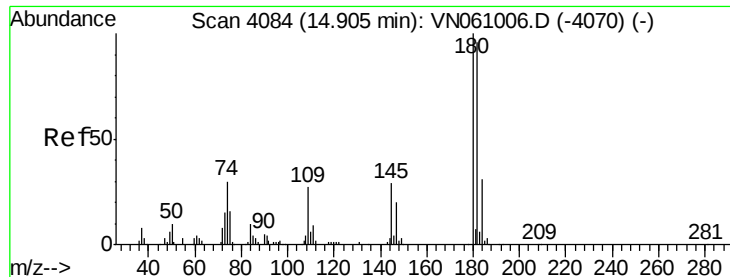
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.724 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN061011.D
 Acq: 16 Apr 2020 14:52

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.3	39.5	118.5
157	98.6	50.1	150.4





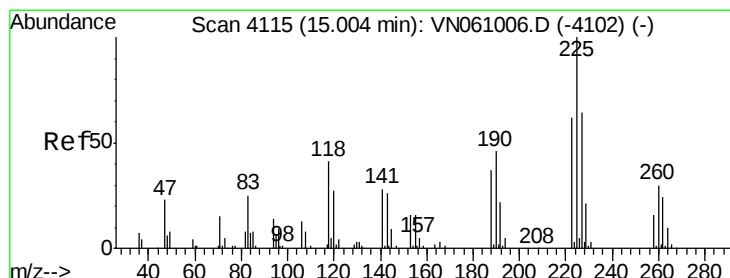
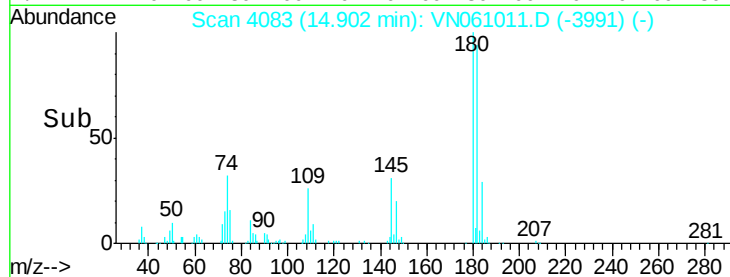
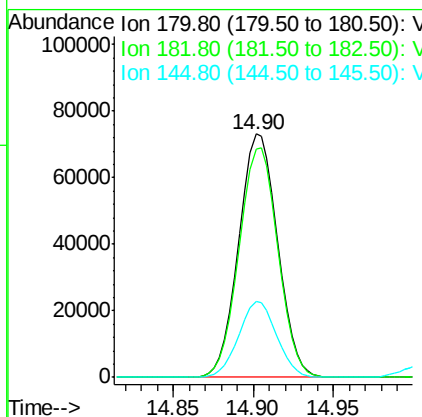
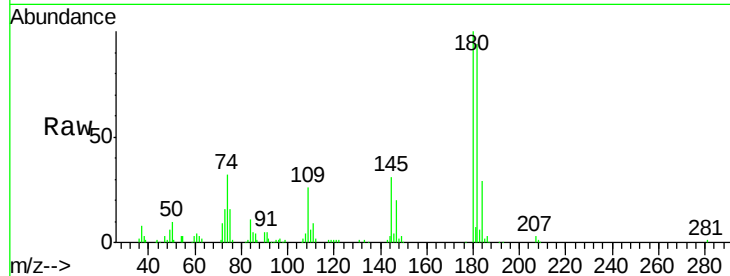
#93
 1,2,4-Trichlorobenzene
 Concen: 55.354 ug/l
 RT: 14.90 min Scan# 4083
 Delta R.T. -0.00 min
 Lab File: VN061011.D
 Acq: 16 Apr 2020 14:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:180	Resp:	120838
Ion Ratio	Lower	Upper
180 100		
182 94.6	47.8	143.3
145 30.4	15.3	45.8

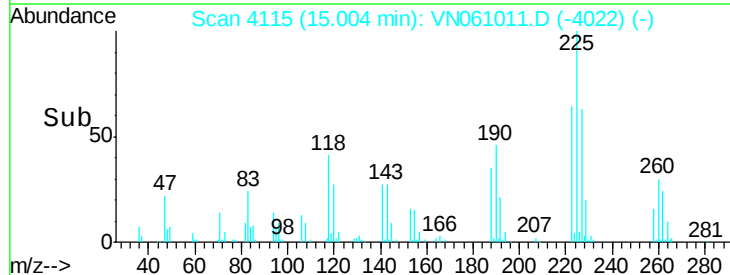
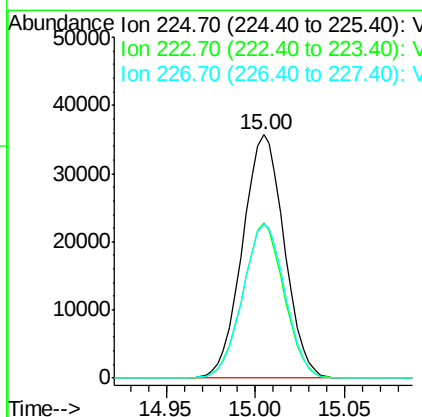
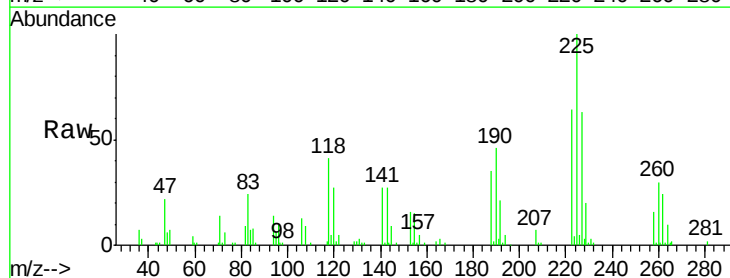
Manual Integrations
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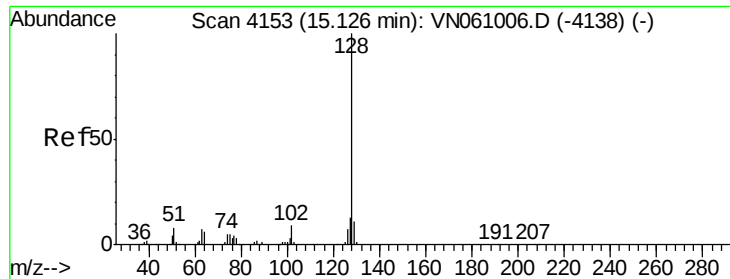
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#94
 Hexachlorobutadiene
 Concen: 52.069 ug/l
 RT: 15.00 min Scan# 4115
 Delta R.T. 0.00 min
 Lab File: VN061011.D
 Acq: 16 Apr 2020 14:52

Tgt Ion:225	Resp:	58474
Ion Ratio	Lower	Upper
225 100		
223 63.0	31.3	93.8
227 64.0	31.9	95.5





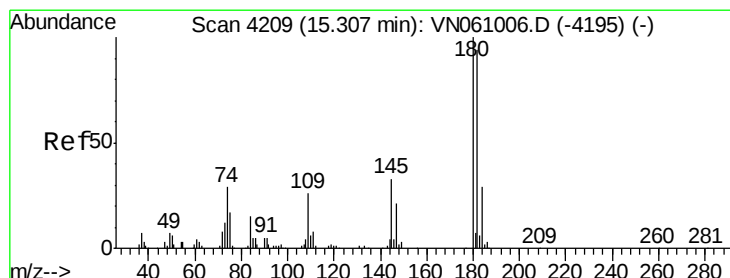
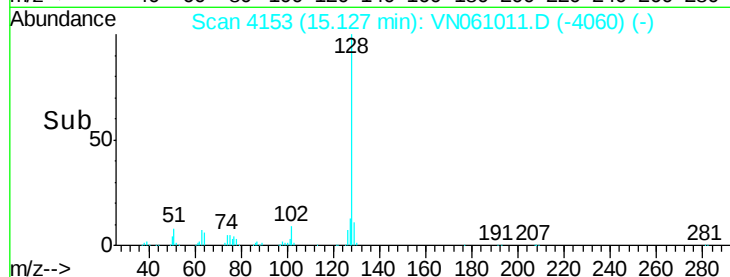
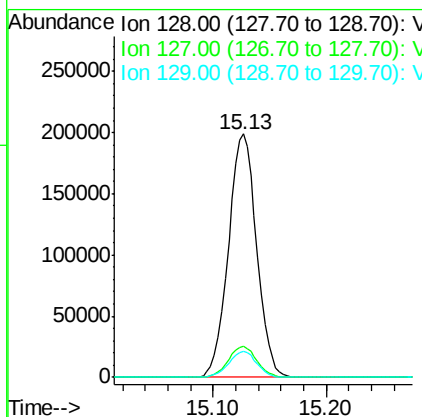
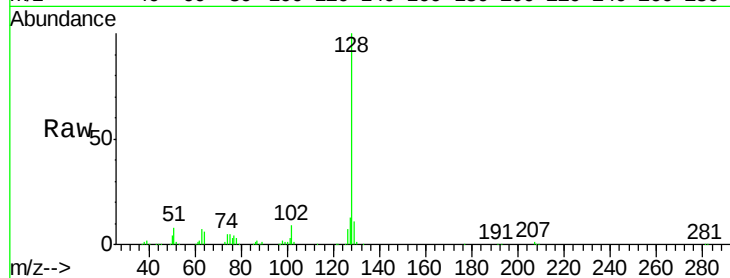
#95
Naphthalene
Concen: 53.999 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. 0.00 min
Lab File: VN061011.D
Acq: 16 Apr 2020 14:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.4
129	10.8	8.6	13.0

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 53.901 ug/l
RT: 15.31 min Scan# 4209
Delta R.T. 0.00 min
Lab File: VN061011.D
Acq: 16 Apr 2020 14:52

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.6	142.8
145	32.6	16.4	49.2

