

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN093020\
 Data File : VN063741.D
 Acq On : 30 Sep 2020 11:12
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 10/1/2020 2:39:57 PM

Quant Time: Sep 30 11:44:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 30 11:35:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	283426	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	465101	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	438717	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	221669	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	225459	46.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.94%	
35) Dibromofluoromethane	7.55	113	156094	48.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.64%	
50) Toluene-d8	10.06	98	581165	48.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.22%	
62) 4-Bromofluorobenzene	12.38	95	221766	49.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	139145	44.264	ug/l	100
3) Chloromethane	2.04	50	158859	38.752	ug/l	100
4) Vinyl Chloride	2.16	62	161751	44.091	ug/l	100
5) Bromomethane	2.53	94	100380	45.509	ug/l	100
6) Chloroethane	2.67	64	99661	43.774	ug/l	100
7) Trichlorofluoromethane	2.98	101	263064	47.348	ug/l	100
8) Diethyl Ether	3.38	74	92747	43.704	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.72	101	140062	45.166	ug/l	100
10) Methyl Iodide	3.91	142	175998	44.265	ug/l	100
11) Tert butyl alcohol	4.73	59	128281	200.991	ug/l	100
12) 1,1-Dichloroethene	3.70	96	132360	42.589	ug/l	100
13) Acrolein	3.57	56	80665	309.318	ug/l	100
14) Allyl chloride	4.28	41	255063	41.811	ug/l	100
15) Acrylonitrile	4.93	53	364486	220.117	ug/l	100
16) Acetone	3.77	43	344791	224.866	ug/l	100
17) Carbon Disulfide	4.01	76	367597	40.957	ug/l	100
18) Methyl Acetate	4.28	43	174105	44.988	ug/l	100
19) Methyl tert-butyl Ether	4.99	73	505622	43.415	ug/l	100
20) Methylene Chloride	4.51	84	160746	41.811	ug/l	100
21) trans-1,2-Dichloroethene	4.99	96	147847	42.820	ug/l	100
22) Diisopropyl ether	5.90	45	534646	42.517	ug/l	100
23) Vinyl Acetate	5.84	43	2285564	221.901	ug/l	100
24) 1,1-Dichloroethane	5.80	63	300457	43.750	ug/l	100
25) 2-Butanone	6.78	43	513423	220.473	ug/l	100
26) 2,2-Dichloropropane	6.78	77	271836	44.576	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	174688	44.679	ug/l	100
28) Bromochloromethane	7.15	49	152625	47.115	ug/l	100
29) Tetrahydrofuran	7.16	42	338890	213.210	ug/l	100
30) Chloroform	7.33	83	312257	45.009	ug/l	100
31) Cyclohexane	7.61	56	248875	38.902	ug/l	100
32) 1,1,1-Trichloroethane	7.53	97	288993	46.525	ug/l	100
36) 1,1-Dichloropropene	7.75	75	225346	46.168	ug/l	100
37) Ethyl Acetate	6.88	43	219233	45.952	ug/l	100
38) Carbon Tetrachloride	7.73	117	248071	49.295	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	230878	43.962	ug/l	100
40) Benzene	8.00	78	642234	46.095	ug/l	100
41) Methacrylonitrile	7.13	41	110774	50.698	ug/l	100
42) 1,2-Dichloroethane	8.08	62	276101	48.814	ug/l	100
43) Isopropyl Acetate	8.13	43	389789	45.585	ug/l	100
44) Trichloroethene	8.80	130	166043	48.552	ug/l	100
45) 1,2-Dichloropropane	9.08	63	176220	46.507	ug/l	100
46) Dibromomethane	9.17	93	119645	47.779	ug/l	100
47) Bromodichloromethane	9.37	83	255324	48.837	ug/l	100
48) Methyl methacrylate	9.17	41	188534	45.048	ug/l	100
49) 1,4-Dioxane	9.16	88	51431	860.135	ug/l	100
51) 4-Methyl-2-Pentanone	9.95	43	1163100	241.031	ug/l	100
52) Toluene	10.13	92	410996	48.844	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	277166	47.758	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	291411	47.766	ug/l	100
55) 1,1,2-Trichloroethane	10.53	97	165495	49.259	ug/l	100
56) Ethyl methacrylate	10.40	69	243474	46.917	ug/l	100
57) 1,3-Dichloropropane	10.68	76	282471	46.901	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	645829	235.082	ug/l	100
59) 2-Hexanone	10.72	43	852632	243.775	ug/l	100
60) Dibromochloromethane	10.87	129	188836	49.690	ug/l	100
61) 1,2-Dibromoethane	10.98	107	171383	49.156	ug/l	100
64) Tetrachloroethene	10.60	164	154258	51.236	ug/l	100
65) Chlorobenzene	11.41	112	430358	46.854	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	169869	50.028	ug/l	100
67) Ethyl Benzene	11.48	91	817016	47.228	ug/l	100
68) m/p-Xylenes	11.59	106	603740	96.539	ug/l	100
69) o-Xylene	11.92	106	283998	47.817	ug/l	100
70) Styrene	11.94	104	495372	49.723	ug/l	100
71) Bromoform	12.10	173	132517	52.226	ug/l #	100
73) Isopropylbenzene	12.22	105	792535	45.347	ug/l	100
74) N-amyl acetate	12.04	43	349766	42.761	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.48	83	237811	43.951	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	219877m	40.757	ug/l	
77) Bromobenzene	12.50	156	190086	47.860	ug/l	100
78) n-propylbenzene	12.57	91	908649	44.729	ug/l	100
79) 2-Chlorotoluene	12.65	91	546946	44.799	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	664311	45.699	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	85360	43.621	ug/l	100
82) 4-Chlorotoluene	12.75	91	580984	44.988	ug/l	100
83) tert-Butylbenzene	12.97	119	541702	45.076	ug/l	100
84) 1,2,4-Trimethylbenzene	13.01	105	682733	46.399	ug/l	100
85) sec-Butylbenzene	13.15	105	714700	44.530	ug/l	100
86) p-Isopropyltoluene	13.26	119	647222	45.687	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	346941	47.248	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	342768	46.142	ug/l	100
89) n-Butylbenzene	13.59	91	579497	44.576	ug/l	100
90) Hexachloroethane	13.85	117	123564	45.622	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	334744	46.677	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.24	75	55338	43.371	ug/l	100

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ClientSampleId :
VSTDICCC050

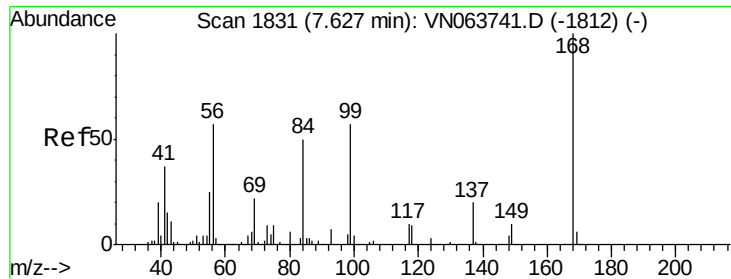
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	182177	43.859	ug/l	100
94) Hexachlorobutadiene	14.98	225	93953	52.502	ug/l	100
95) Naphthalene	15.10	128	563550	41.460	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	176191	43.910	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063741.D

Acq: 30 Sep 2020 11:12

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion:168 Resp: 283426

Ion Ratio Lower Upper

168 100

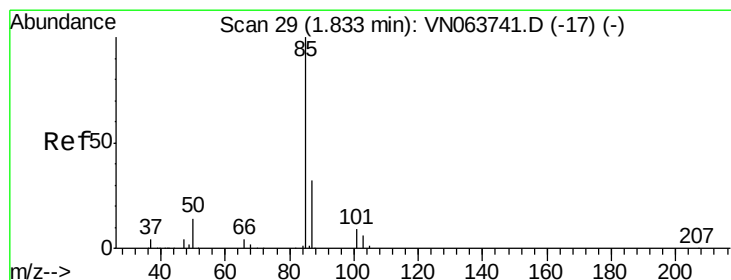
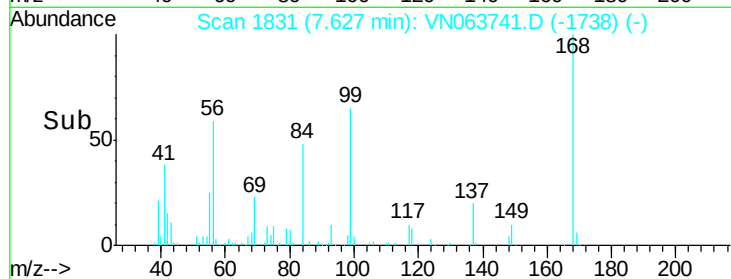
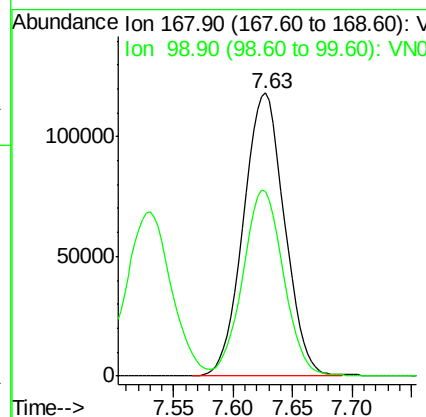
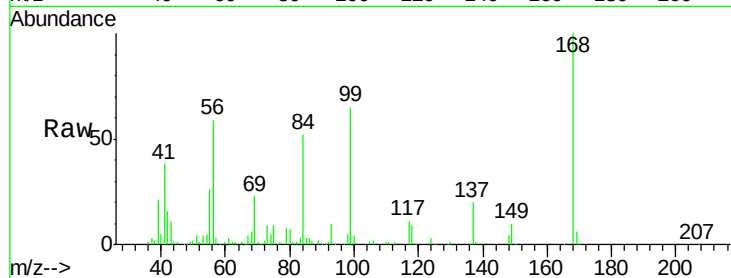
99 64.7 51.8 77.6

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 44.264 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN063741.D

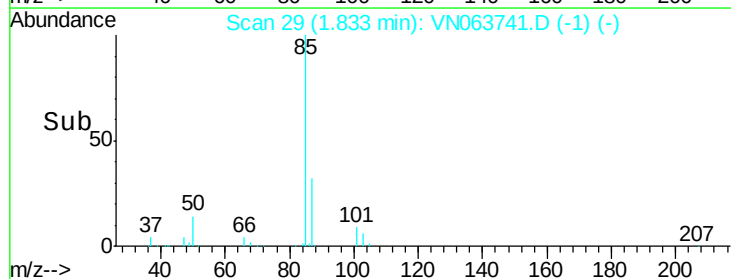
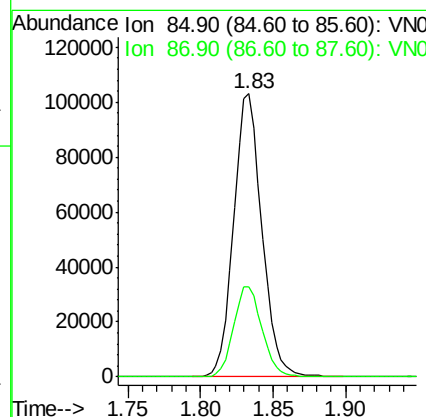
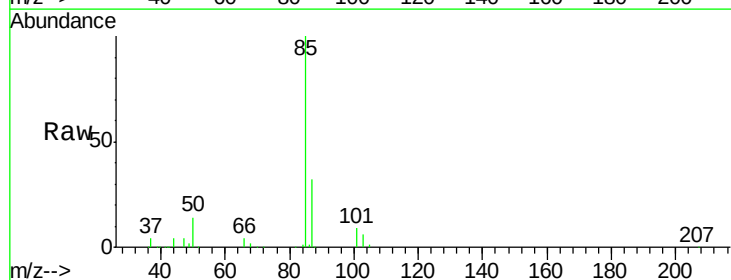
Acq: 30 Sep 2020 11:12

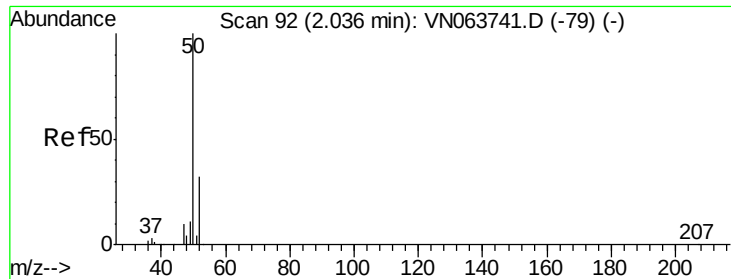
Tgt Ion: 85 Resp: 139145

Ion Ratio Lower Upper

85 100

87 32.0 16.0 48.0





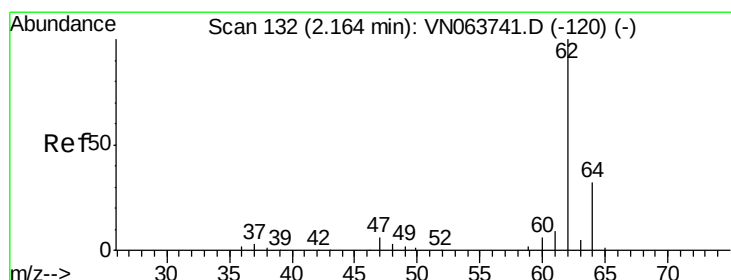
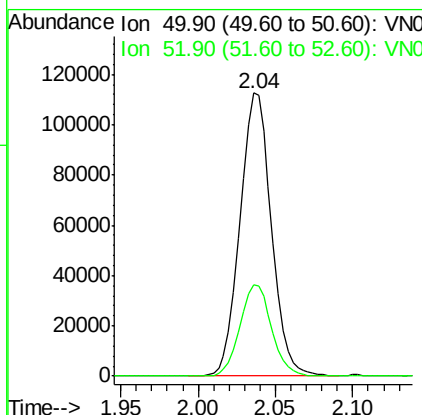
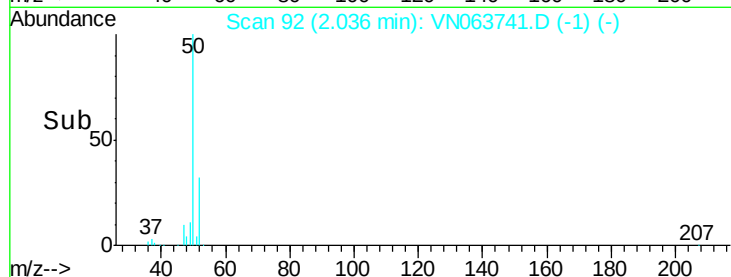
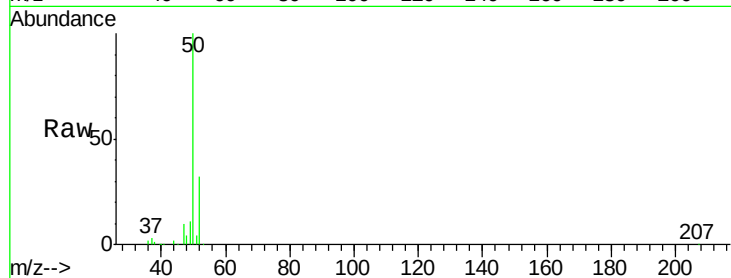
#3
Chloromethane
Concen: 38.752 ug/l
RT: 2.04 min Scan# 92
Delta R.T. 0.00 min
Lab File: VN063741.D
Acq: 30 Sep 2020 11:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
50	100		
52	32.3	25.8	38.8

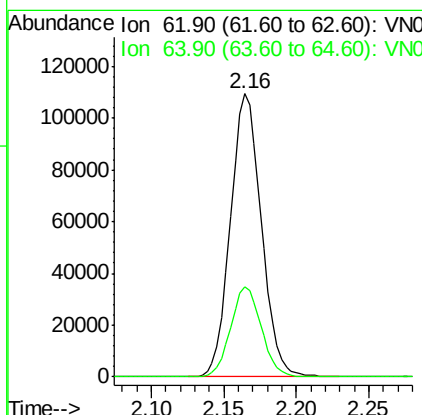
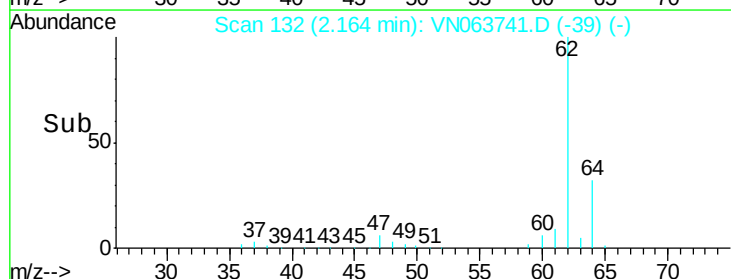
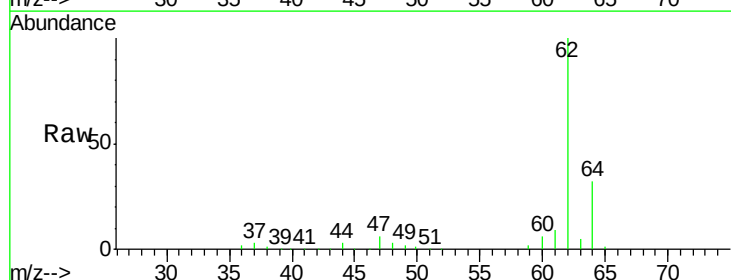
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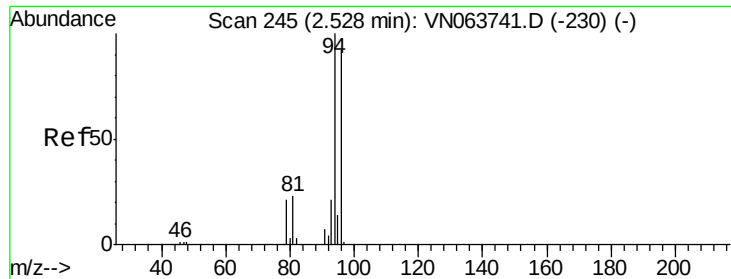
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#4
Vinyl Chloride
Concen: 44.091 ug/l
RT: 2.16 min Scan# 132
Delta R.T. 0.00 min
Lab File: VN063741.D
Acq: 30 Sep 2020 11:12

Tgt Ion	Ratio	Lower	Upper
62	100		
64	32.0	25.6	38.4





#5

Bromomethane

Concen: 45.509 ug/l

RT: 2.53 min Scan# 245

Delta R.T. 0.00 min

Lab File: VN063741.D

Acq: 30 Sep 2020 11:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 100380

Ion Ratio Lower Upper

94 100

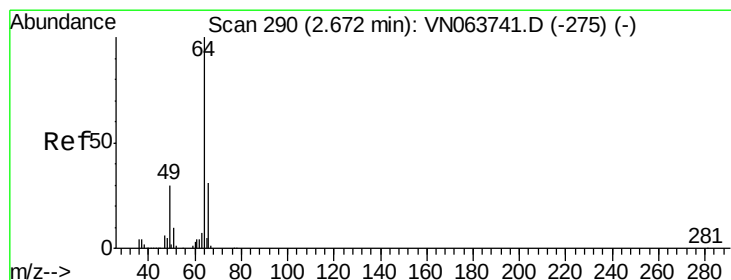
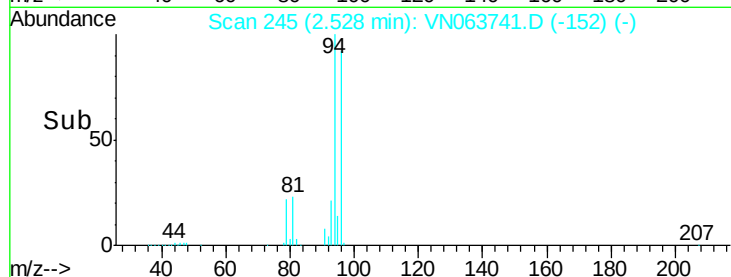
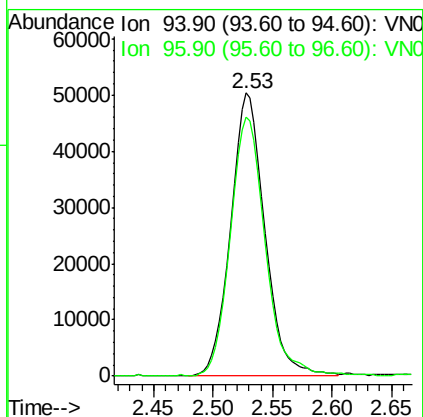
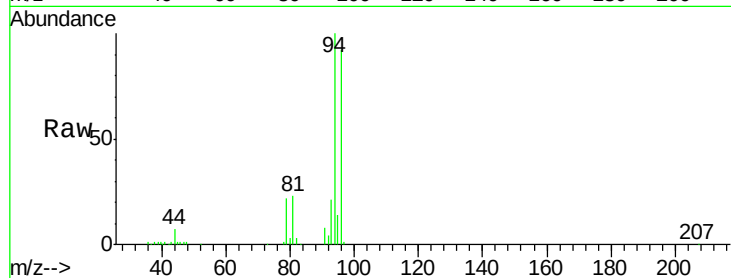
96 91.6 73.3 109.9

Manual Integrations

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#6

Chloroethane

Concen: 43.774 ug/l

RT: 2.67 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN063741.D

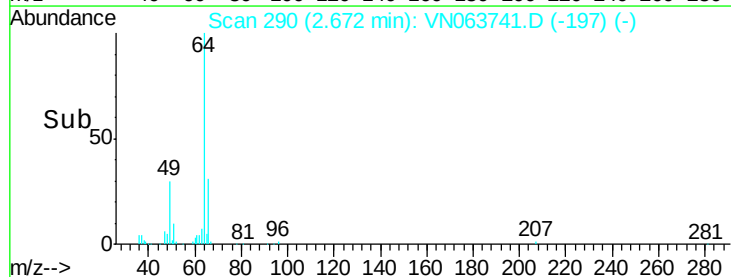
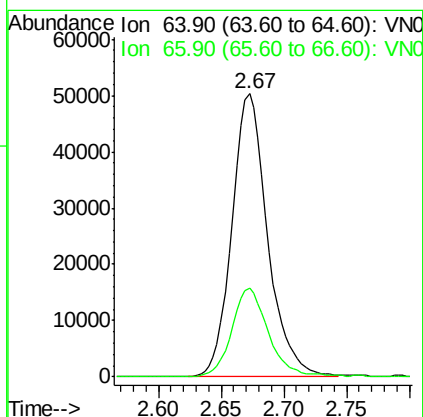
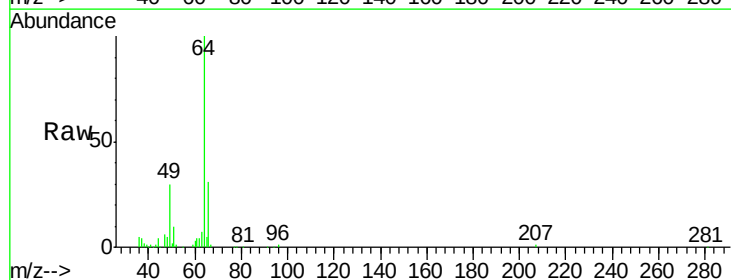
Acq: 30 Sep 2020 11:12

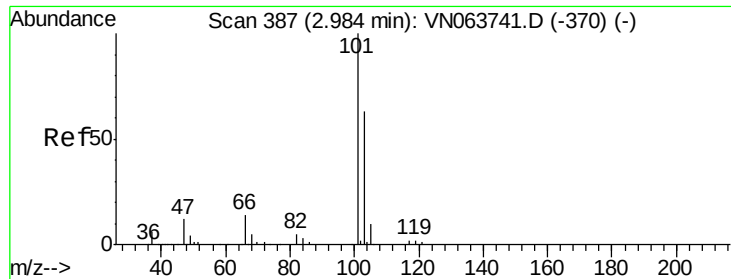
Tgt Ion: 64 Resp: 99661

Ion Ratio Lower Upper

64 100

66 31.4 25.1 37.7





#7

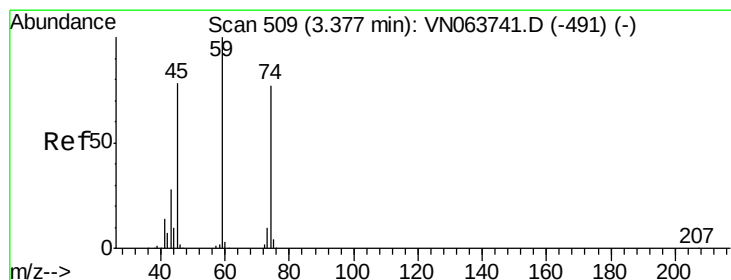
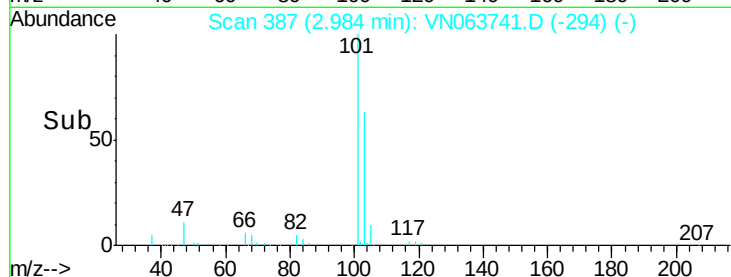
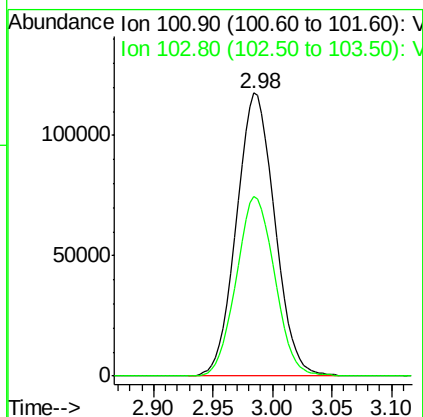
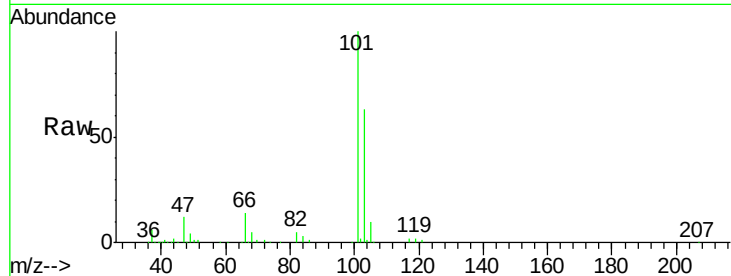
Trichlorofluoromethane
 Concen: 47.348 ug/l
 RT: 2.98 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: VN063741.D
 Acq: 30 Sep 2020 11:12

Instrument :
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 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	263064		
103	63.4		50.7	76.1

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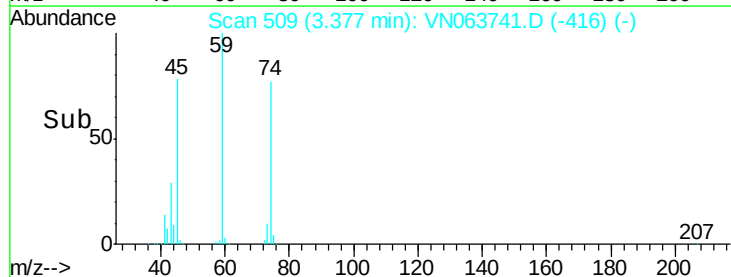
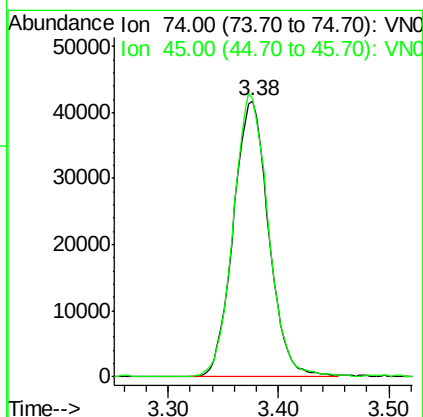
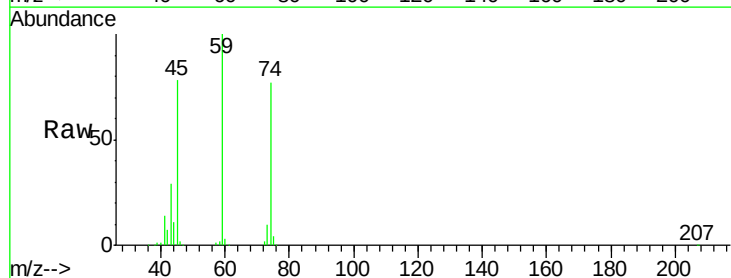
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 10/1/2020 2:39:57 PM

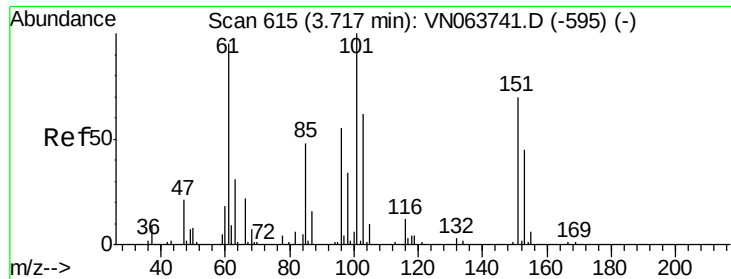


#8

Diethyl Ether
 Concen: 43.704 ug/l
 RT: 3.38 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN063741.D
 Acq: 30 Sep 2020 11:12

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	92747		
45	101.9		50.9	152.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.166 ug/l

RT: 3.72 min Scan# 615

Delta R.T. 0.00 min

Lab File: VN063741.D

Acq: 30 Sep 2020 11:12

Instrument :

MSVOA_N

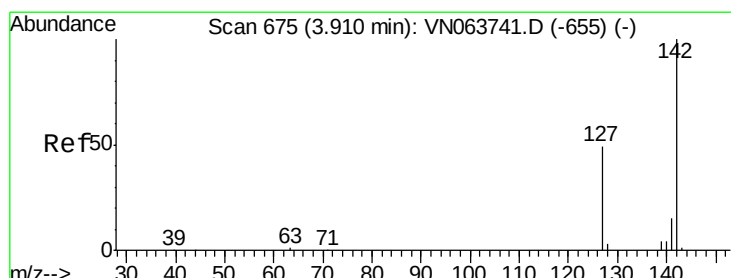
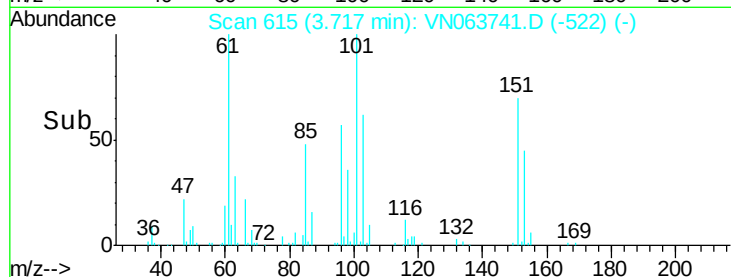
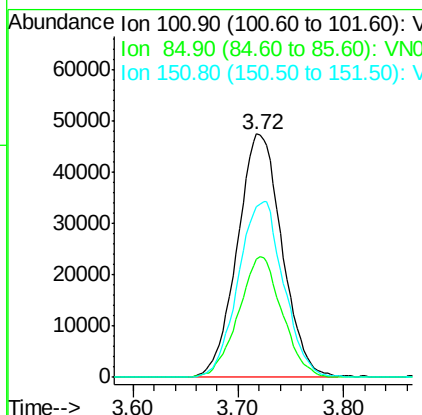
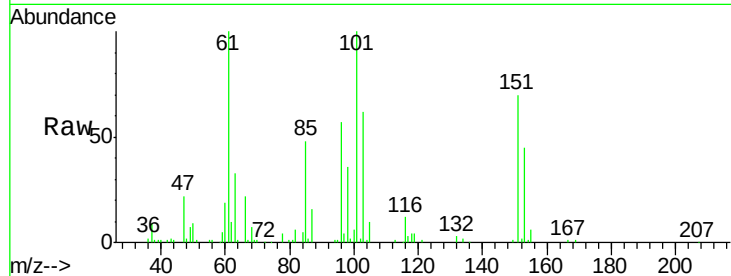
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	140062
Ion Ratio	Lower	Upper	
101	100		
85	48.3	38.6	58.0
151	73.4	58.7	88.1

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#10

Methyl Iodide

Concen: 44.265 ug/l

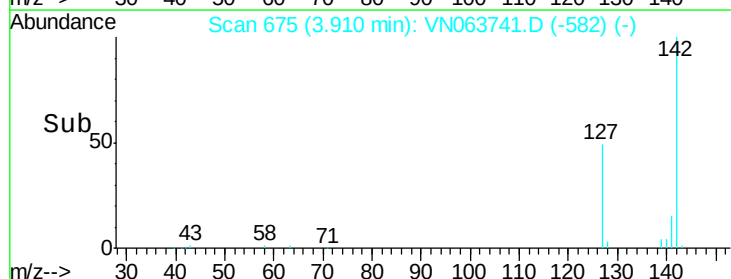
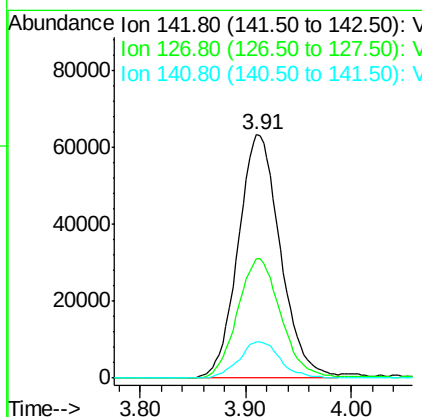
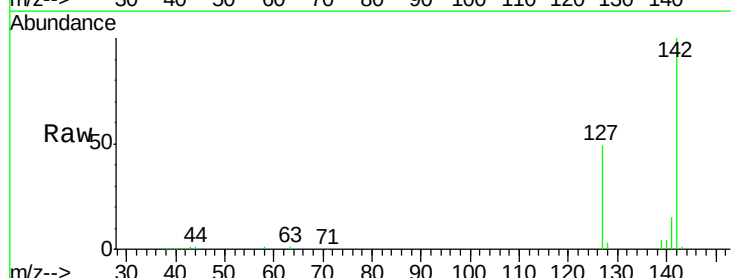
RT: 3.91 min Scan# 675

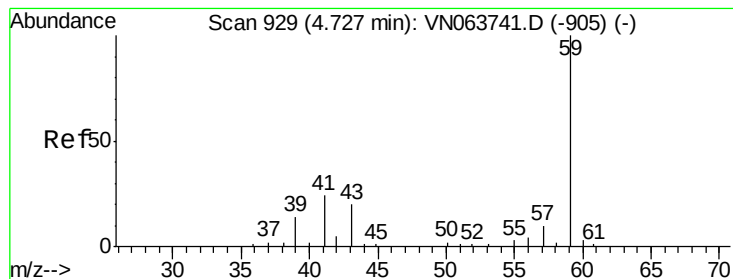
Delta R.T. 0.00 min

Lab File: VN063741.D

Acq: 30 Sep 2020 11:12

Tgt Ion:	142	Resp:	175998
Ion Ratio	Lower	Upper	
142	100		
127	50.6	40.5	60.7
141	14.6	11.7	17.5





#11

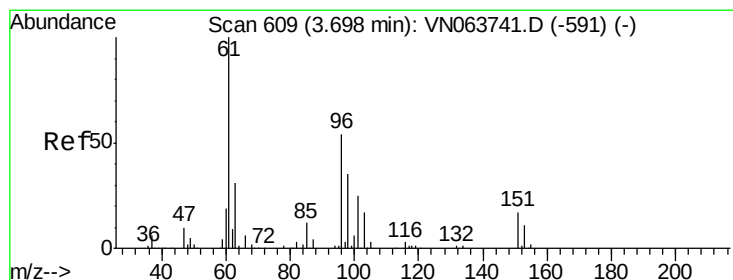
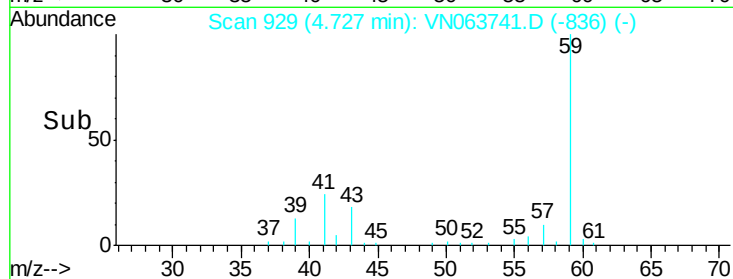
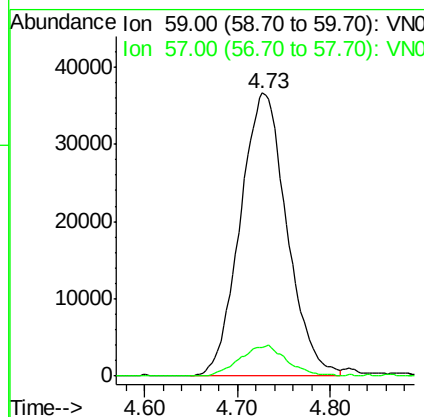
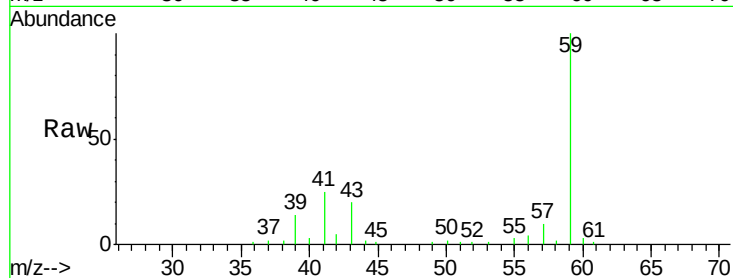
Tert butyl alcohol
Concen: 200.991 ug/l
RT: 4.73 min Scan# 929
Delta R.T. 0.00 min
Lab File: VN063741.D
Acq: 30 Sep 2020 11:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.9	8.7	13.1

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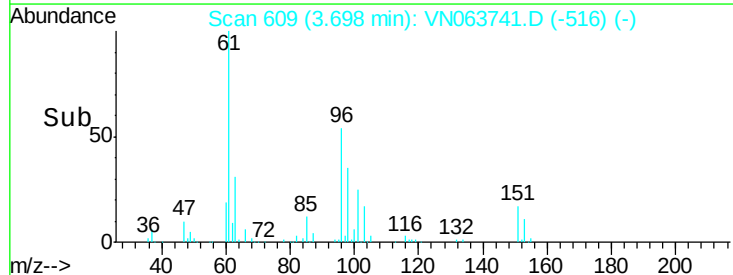
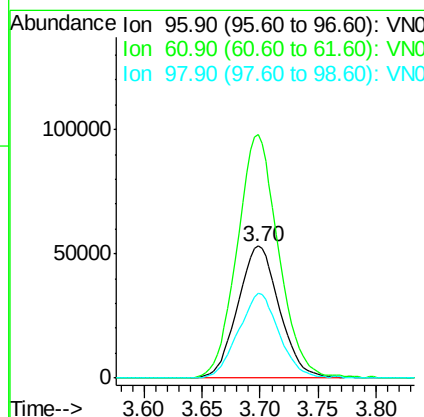
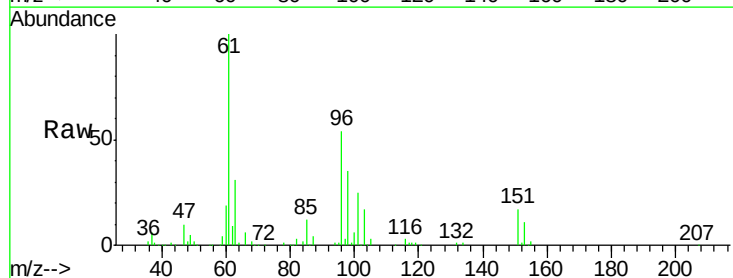
MMDadoda
10/1/2020 2:39:57 PM

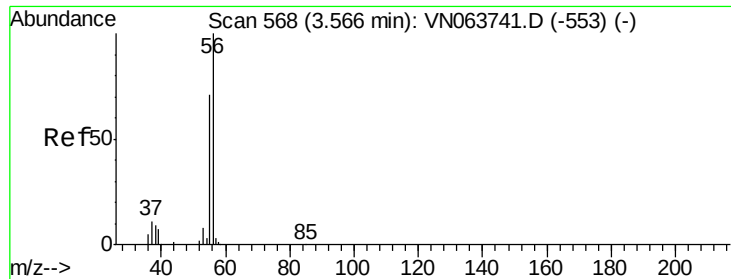


#12

1,1-Dichloroethene
Concen: 42.589 ug/l
RT: 3.70 min Scan# 609
Delta R.T. 0.00 min
Lab File: VN063741.D
Acq: 30 Sep 2020 11:12

Tgt Ion	Ratio	Lower	Upper
96	100		
61	184.6	147.7	221.5
98	64.9	51.9	77.9





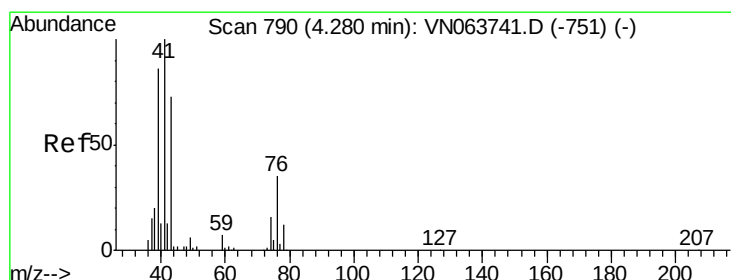
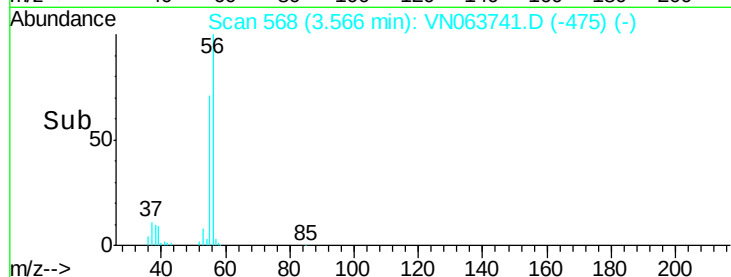
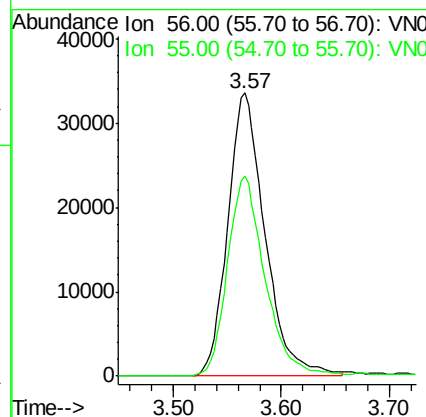
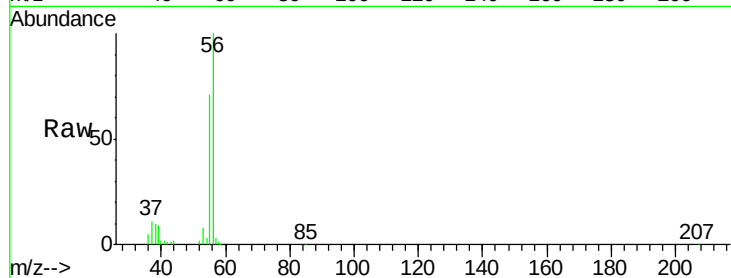
#13
 Acrolein
 Concen: 309.318 ug/l
 RT: 3.57 min Scan# 568
 Delta R.T. 0.00 min
 Lab File: VN063741.D
 Acq: 30 Sep 2020 11:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
56	56	100			
55	55	71.1	56.9	85.3	

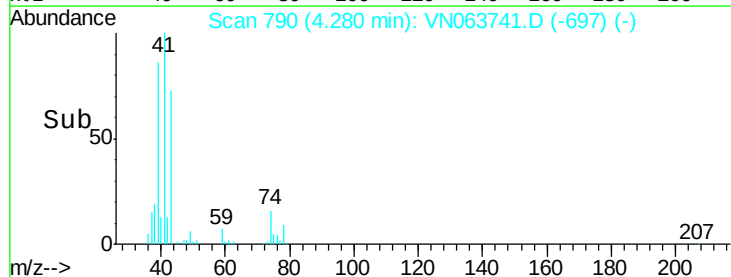
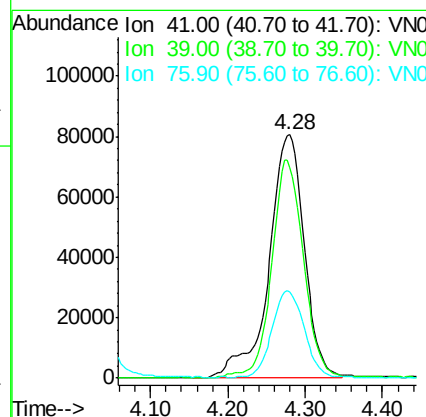
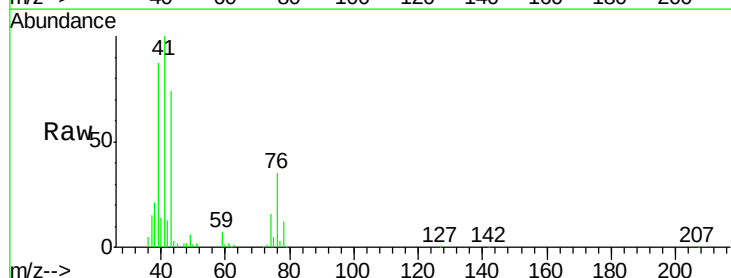
Manual Integrations
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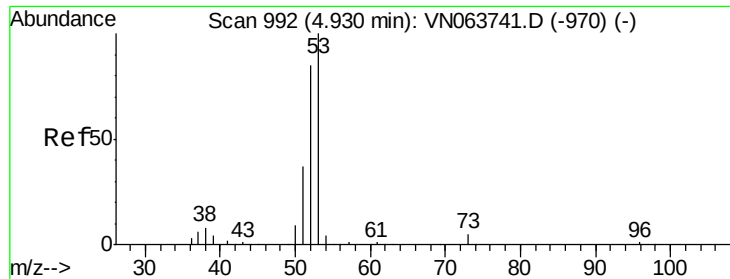
MMDadoda
 10/1/2020 2:39:57 PM



#14
 Allyl chloride
 Concen: 41.811 ug/l
 RT: 4.28 min Scan# 790
 Delta R.T. 0.00 min
 Lab File: VN063741.D
 Acq: 30 Sep 2020 11:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
41	41	100			
39	39	80.6	64.5	96.7	
76	76	32.4	25.9	38.9	





#15

Acrylonitrile

Concen: 220.117 ug/l

RT: 4.93 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN063741.D

Acq: 30 Sep 2020 11:12

Instrument :

MSVOA_N

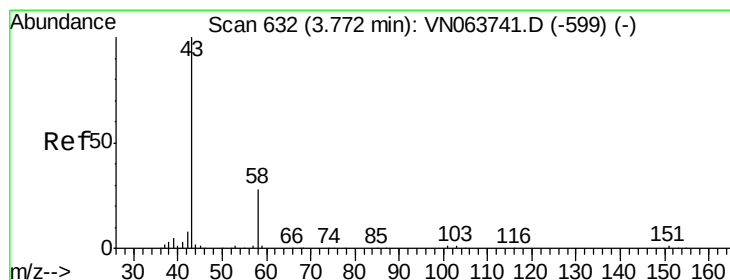
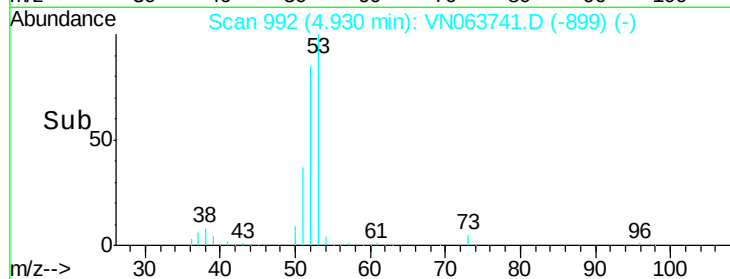
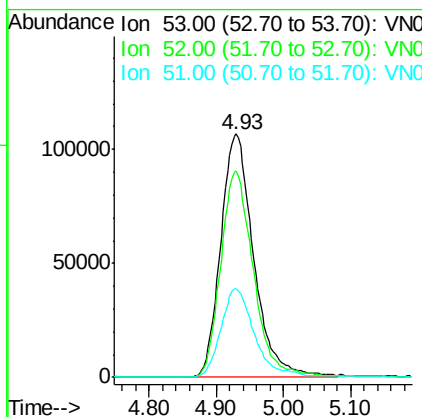
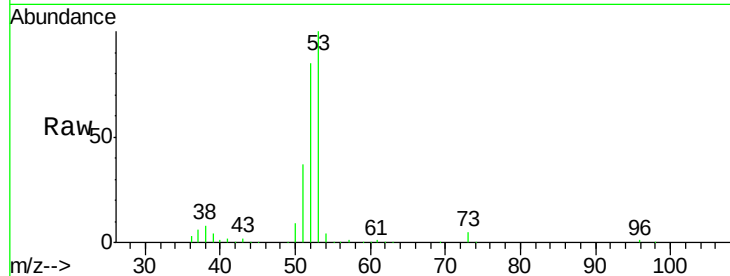
ClientSampled :

VSTDICCC050

Tot Ion:	53	Resp:	364486
Ion	Ratio	Lower	Upper
53	100		
52	83.1	66.5	99.7
51	37.4	29.9	44.9

Manual Integrations
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10/1/2020 2:39:57 PM



#16

Acetone

Concen: 224.866 ug/l

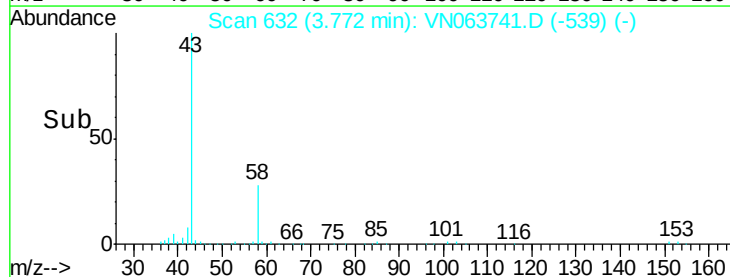
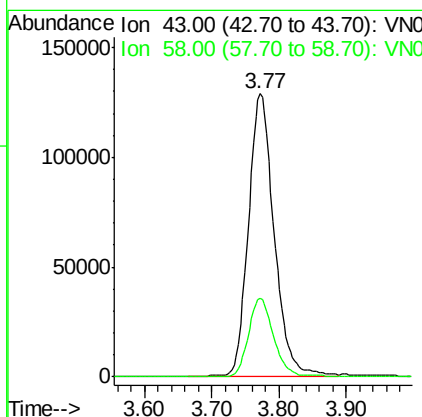
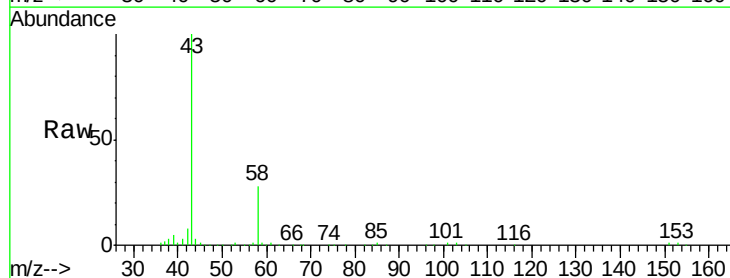
RT: 3.77 min Scan# 632

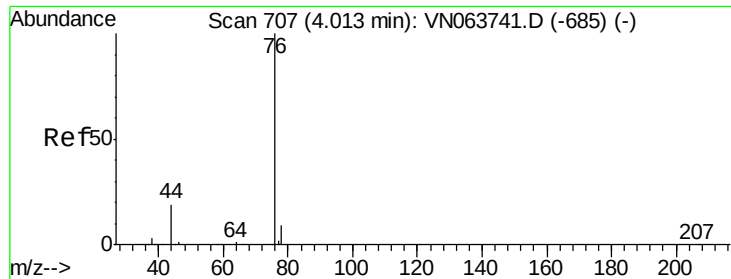
Delta R.T. 0.00 min

Lab File: VN063741.D

Acq: 30 Sep 2020 11:12

Tgt Ion:	43	Resp:	344791
Ion	Ratio	Lower	Upper
43	100		
58	27.9	22.3	33.5





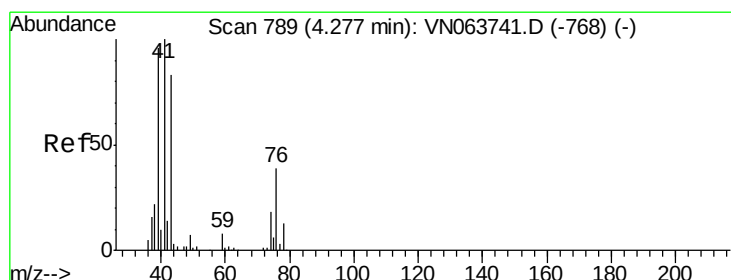
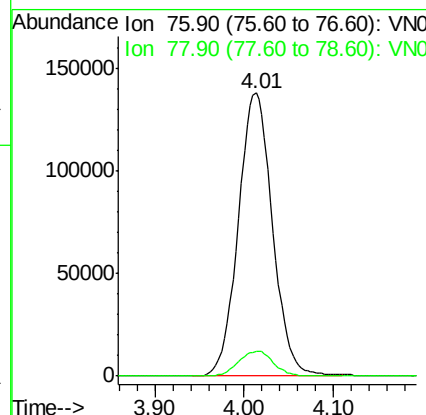
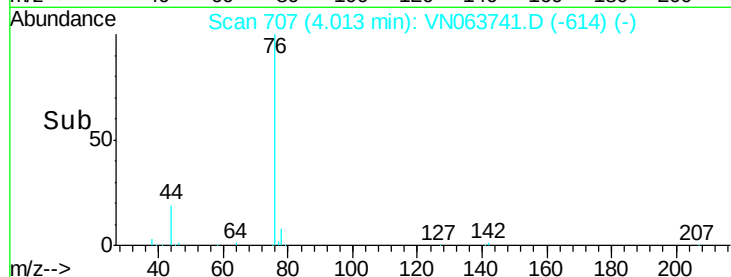
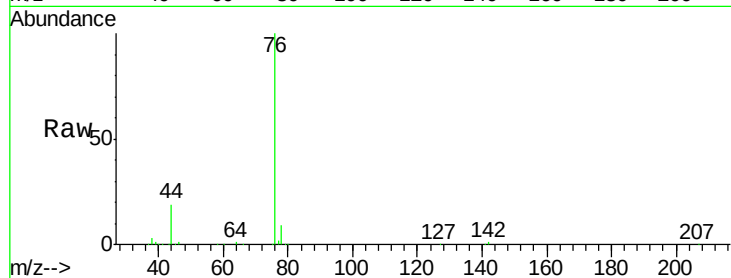
#17
Carbon Disulfide
Concen: 40.957 ug/l
RT: 4.01 min Scan# 707
Delta R.T. 0.00 min
Lab File: VN063741.D
Acq: 30 Sep 2020 11:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.0	10.4

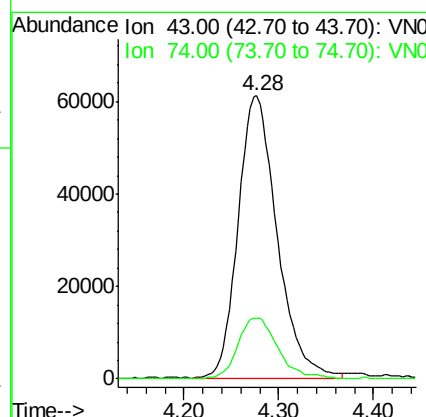
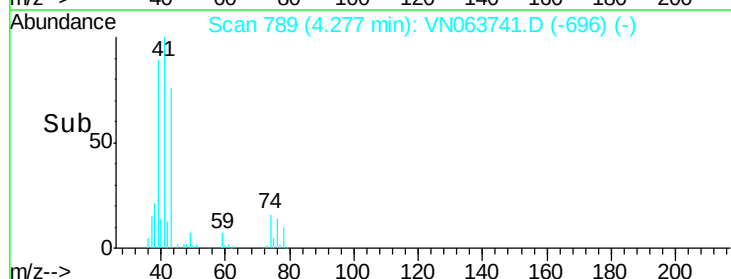
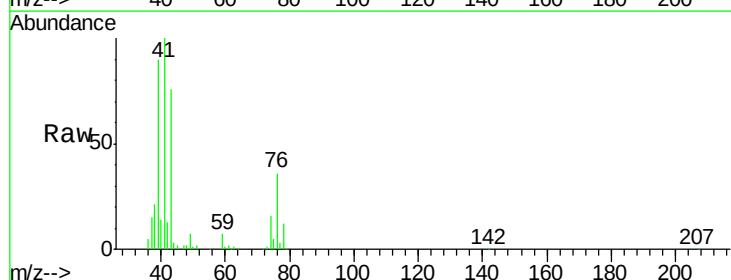
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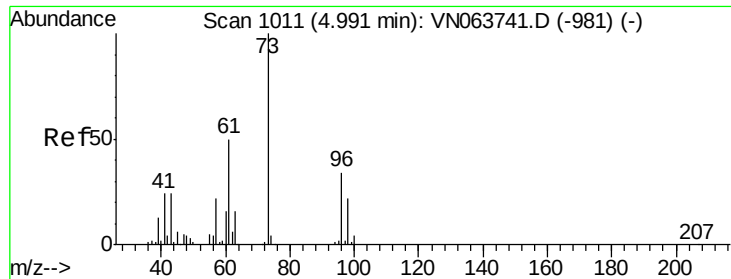
MMDadoda
10/1/2020 2:39:57 PM



#18
Methyl Acetate
Concen: 44.988 ug/l
RT: 4.28 min Scan# 789
Delta R.T. 0.00 min
Lab File: VN063741.D
Acq: 30 Sep 2020 11:12

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.8	17.4	26.2





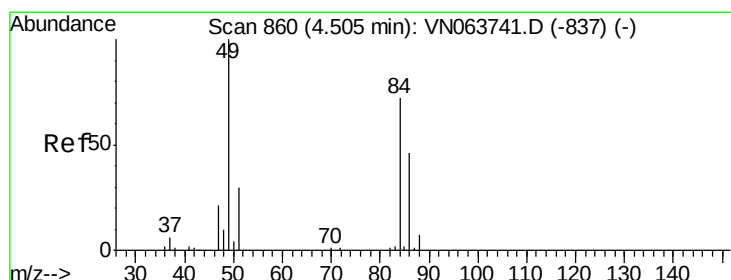
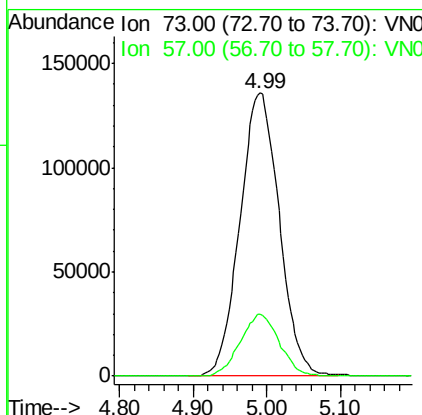
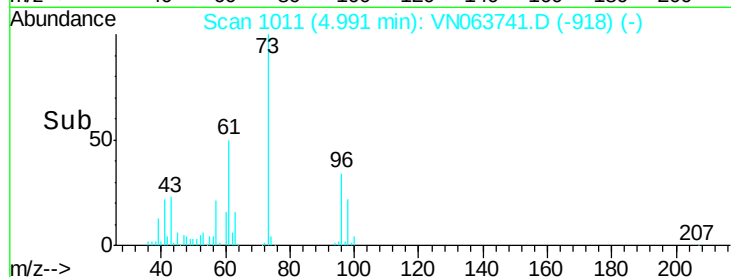
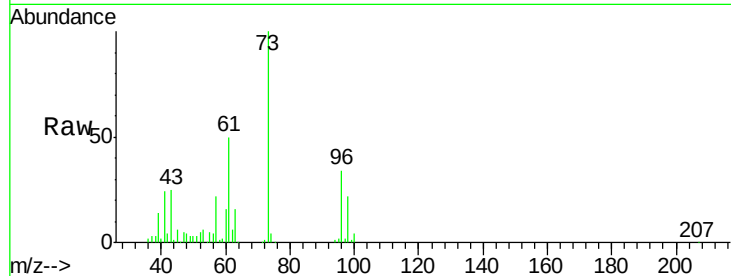
#19
Methvl tert-butvl Ether
Concen: 43.415 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN063741.D
Acq: 30 Sep 2020 11:12

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion: 73 Resp: 505622
Ion Ratio Lower Upper
73 100
57 22.0 17.6 26.4

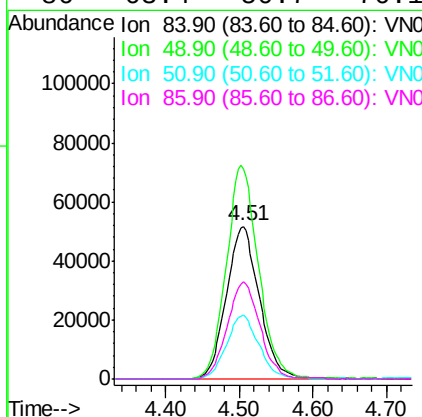
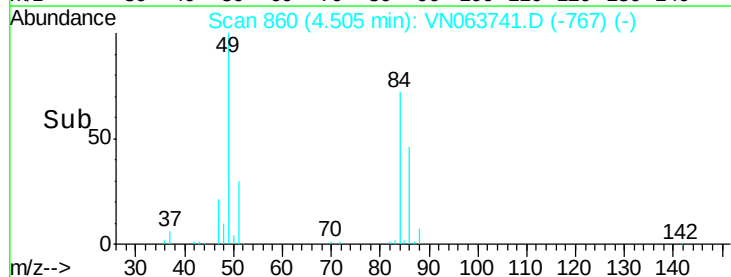
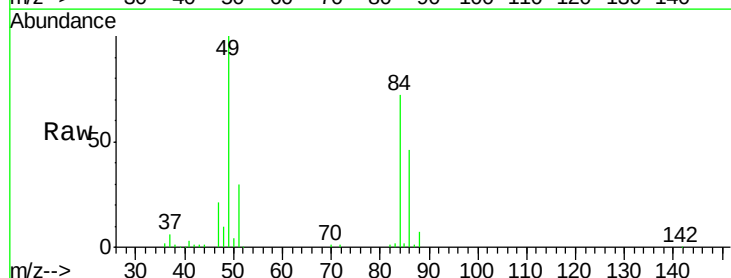
Manual Integrations
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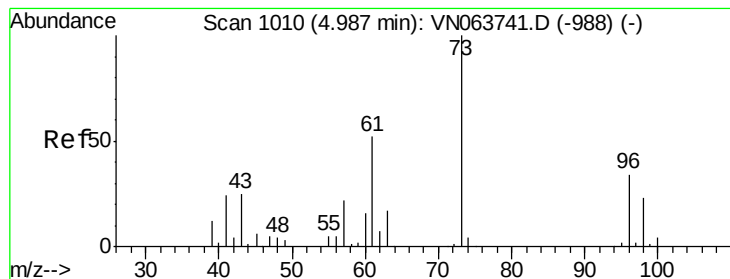
MMDadoda
10/1/2020 2:39:57 PM



#20
Methylene Chloride
Concen: 41.811 ug/l
RT: 4.51 min Scan# 860
Delta R.T. 0.00 min
Lab File: VN063741.D
Acq: 30 Sep 2020 11:12

Tgt Ion: 84 Resp: 160746
Ion Ratio Lower Upper
84 100
49 138.0 110.4 165.6
51 41.6 33.3 49.9
86 63.4 50.7 76.1





#21

trans-1,2-Dichloroethene

Concen: 42.820 ug/l

RT: 4.99 min Scan# 1010

Delta R.T. 0.00 min

Lab File: VN063741.D

Acq: 30 Sep 2020 11:12

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion: 96 Resp: 147847

Ion Ratio Lower Upper

96 100

61 150.2 120.2 180.2

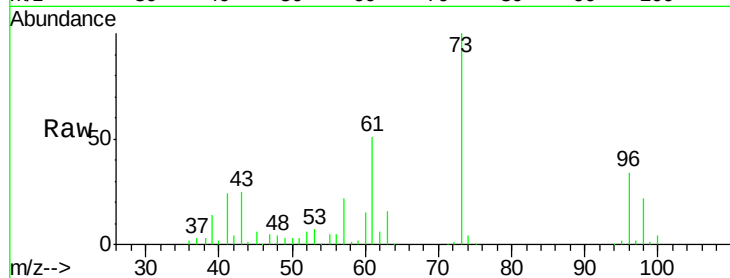
98 65.8 52.6 79.0

Manual Integrations

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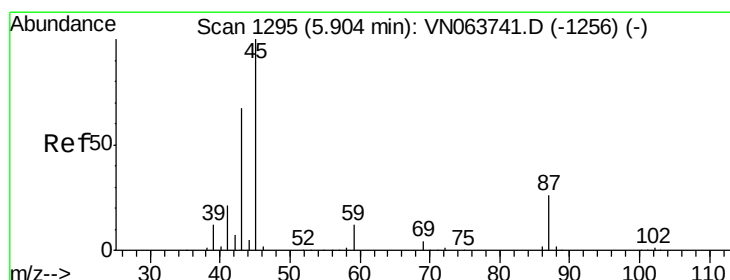
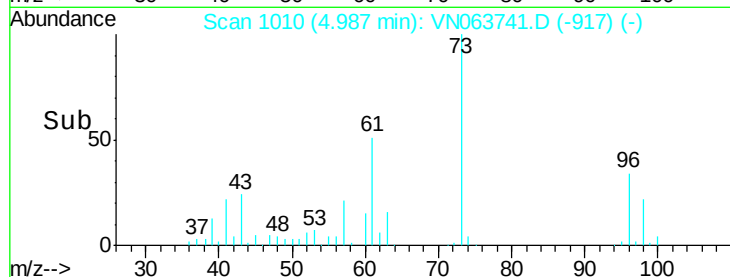
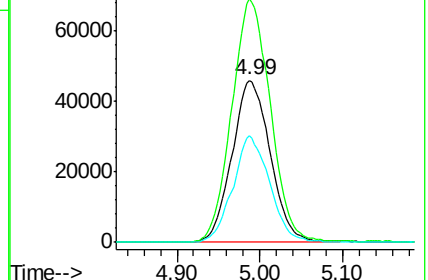
10/1/2020 2:39:57 PM



Abundance Ion 95.90 (95.60 to 96.60): VN063741.D (-988) (-)

Ion 60.90 (60.60 to 61.60): VN063741.D (-988) (-)

Ion 97.90 (97.60 to 98.60): VN063741.D (-988) (-)



#22

Diisopropyl ether

Concen: 42.517 ug/l

RT: 5.90 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VN063741.D

Acq: 30 Sep 2020 11:12

Tgt Ion: 45 Resp: 534646

Ion Ratio Lower Upper

45 100

43 67.1 53.7 80.5

87 26.4 21.1 31.7

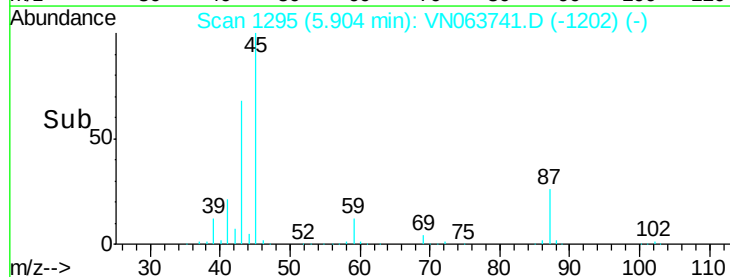
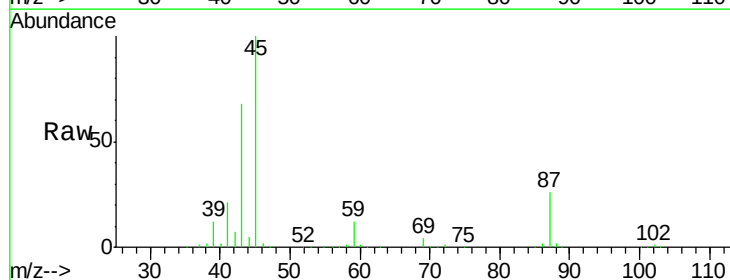
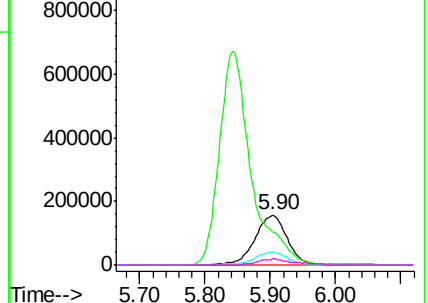
59 11.5 9.2 13.8

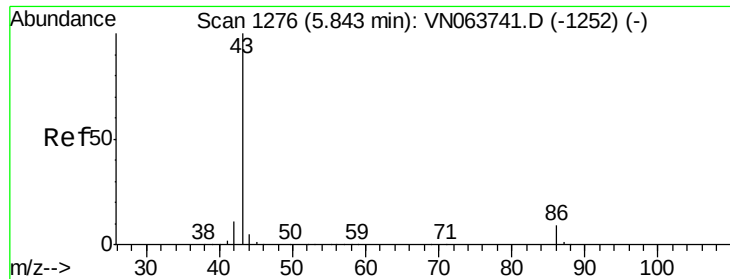
Abundance Ion 45.00 (44.70 to 45.70): VN063741.D (-1256) (-)

Ion 43.00 (42.70 to 43.70): VN063741.D (-1256) (-)

Ion 87.00 (86.70 to 87.70): VN063741.D (-1256) (-)

Ion 59.00 (58.70 to 59.70): VN063741.D (-1256) (-)





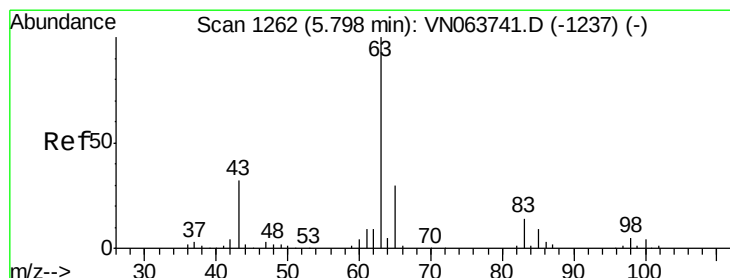
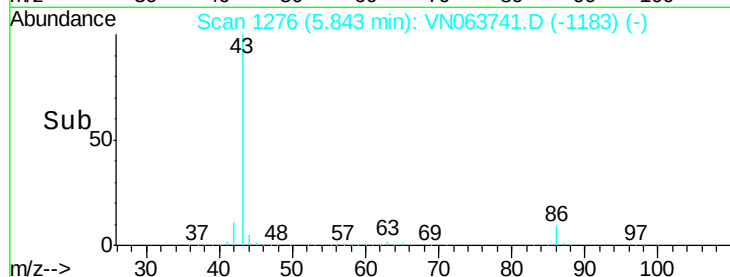
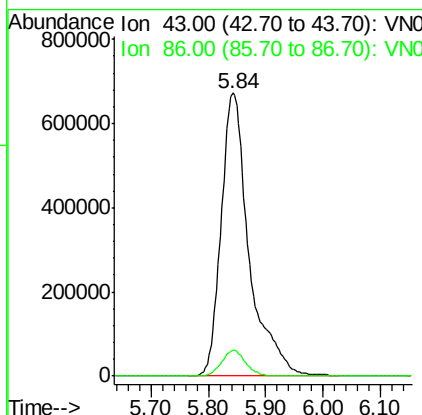
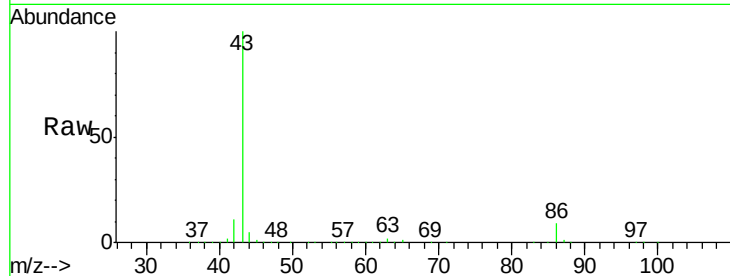
#23
 Vinyl Acetate
 Concen: 221.901 ug/l
 RT: 5.84 min Scan# 1276
 Delta R.T. 0.00 min
 Lab File: VN063741.D
 Acq: 30 Sep 2020 11:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion: 43 Resp: 2285564
 Ion Ratio Lower Upper
 43 100
 86 9.1 7.3 10.9

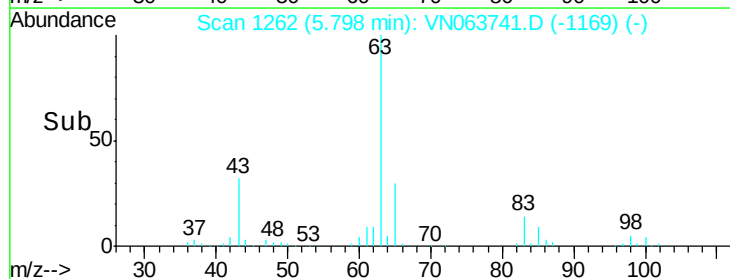
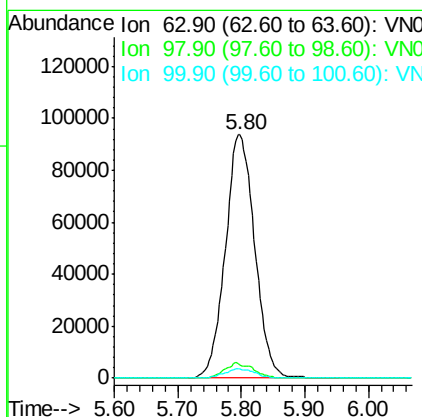
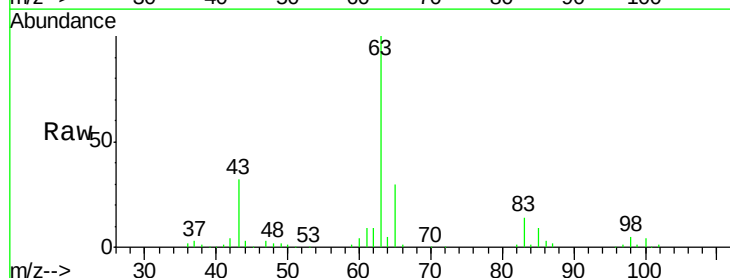
Manual Integrations
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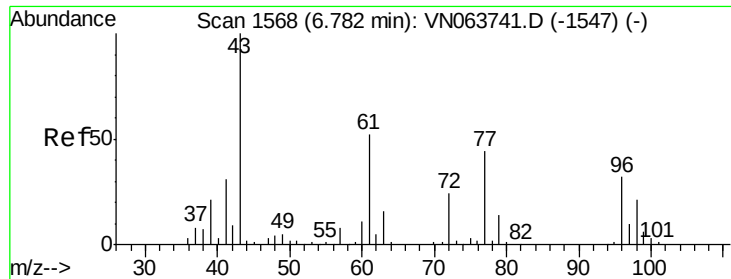
MMDadoda
 10/1/2020 2:39:57 PM



#24
 1,1-Dichloroethane
 Concen: 43.750 ug/l
 RT: 5.80 min Scan# 1262
 Delta R.T. 0.00 min
 Lab File: VN063741.D
 Acq: 30 Sep 2020 11:12

Tgt Ion: 63 Resp: 300457
 Ion Ratio Lower Upper
 63 100
 98 5.4 2.7 8.1
 100 3.8 1.9 5.7





#25

2-Butanone

Concen: 220.473 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN063741.D

Acq: 30 Sep 2020 11:12

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion: 43 Resp: 513423

Ion Ratio Lower Upper

43 100

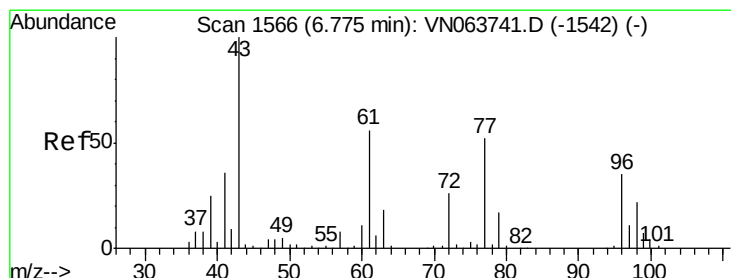
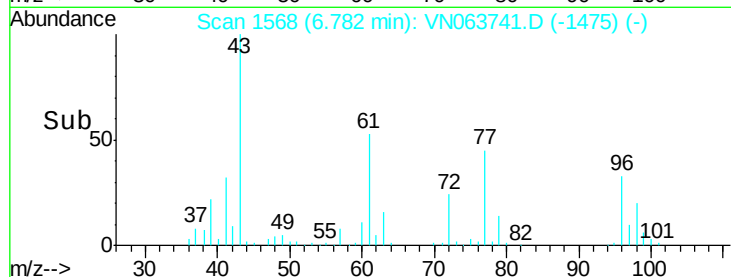
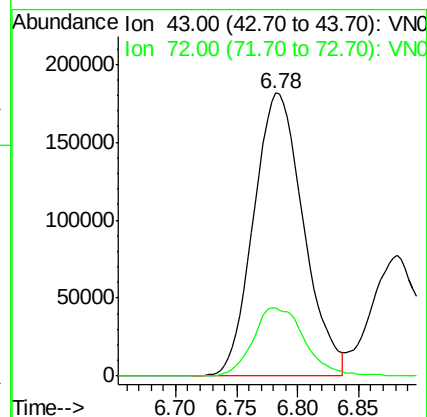
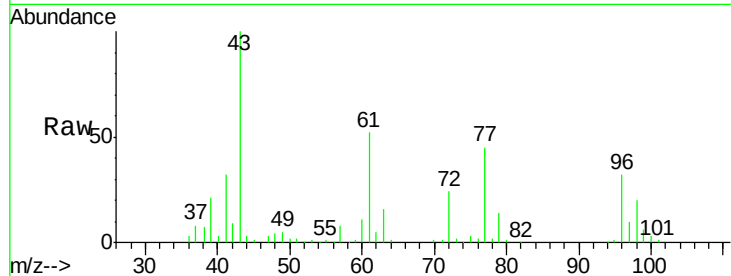
72 24.1 19.3 28.9

Manual Integrations

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MMDadoda

10/1/2020 2:39:57 PM



#26

2,2-Dichloropropane

Concen: 44.576 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN063741.D

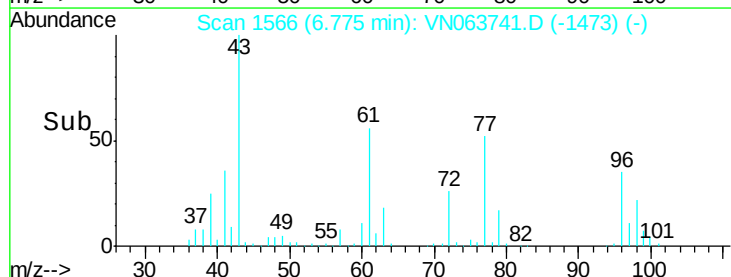
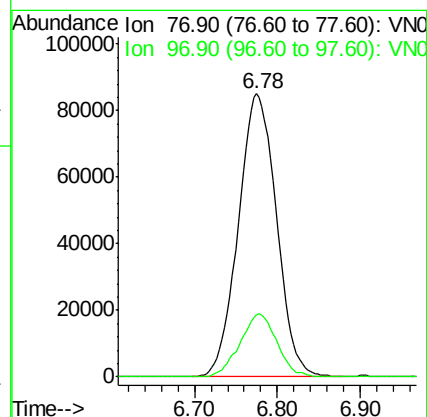
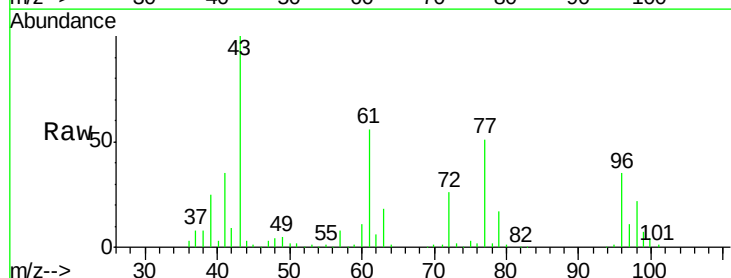
Acq: 30 Sep 2020 11:12

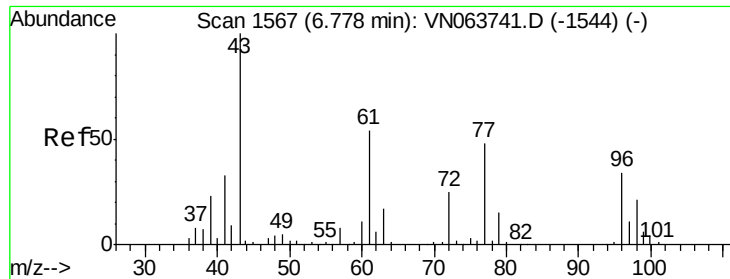
Tgt Ion: 77 Resp: 271836

Ion Ratio Lower Upper

77 100

97 21.5 10.8 32.3





#27

cis-1,2-Dichloroethene

Concen: 44.679 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN063741.D

Acq: 30 Sep 2020 11:12

Instrument :

MSVOA_N

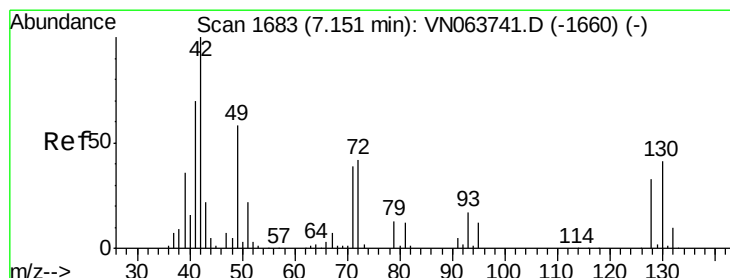
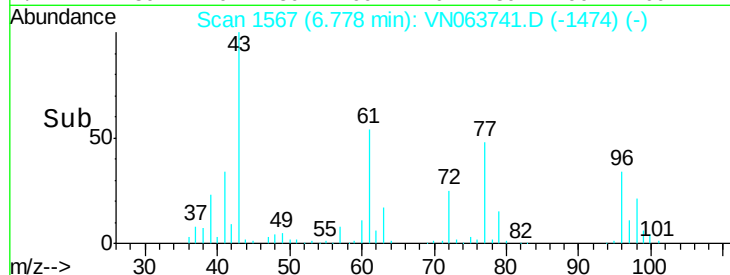
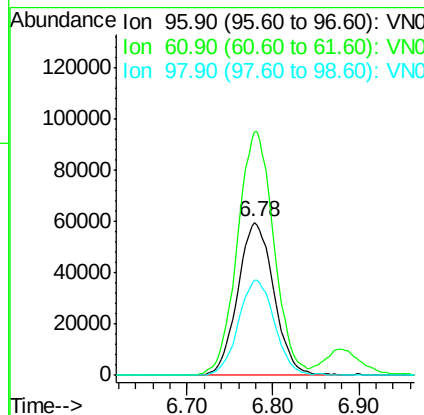
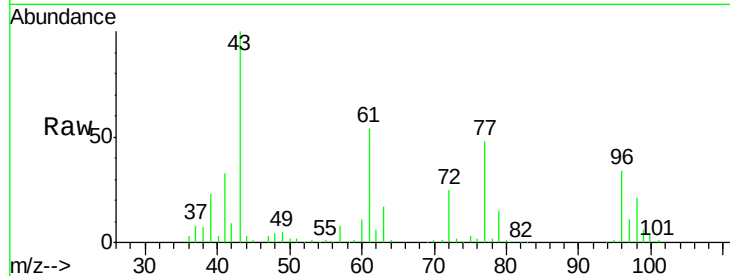
ClientSampleId :

VSTDICCC050

Tot Ion:	96	Resp:	174688
Ion	Ratio	Lower	Upper
96	100		
61	160.6	0.0	321.2
98	62.2	0.0	124.4

Manual Integrations
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10/1/2020 2:39:57 PM



#28

Bromochloromethane

Concen: 47.115 ug/l

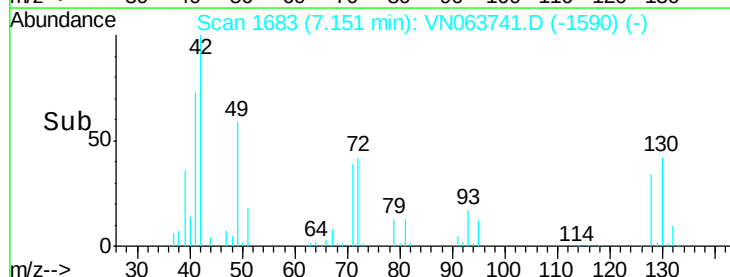
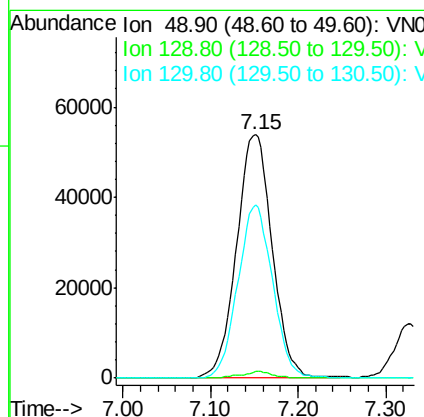
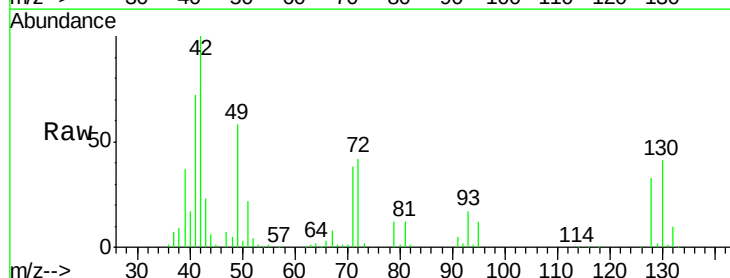
RT: 7.15 min Scan# 1683

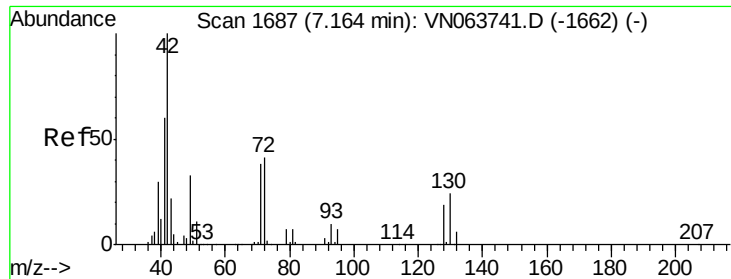
Delta R.T. 0.00 min

Lab File: VN063741.D

Acq: 30 Sep 2020 11:12

Tgt Ion:	49	Resp:	152625
Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.8
130	69.5	55.6	83.4





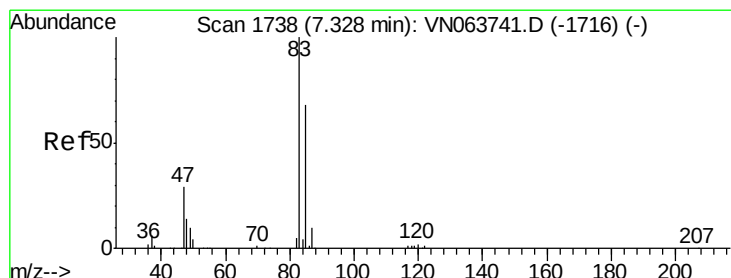
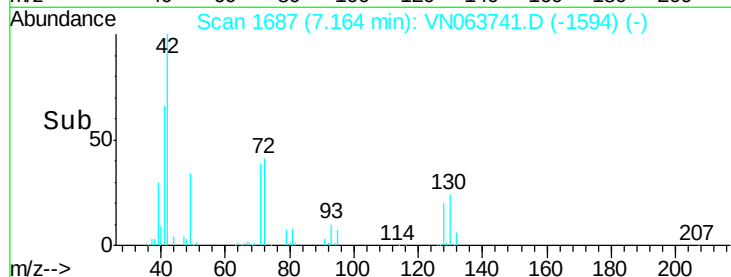
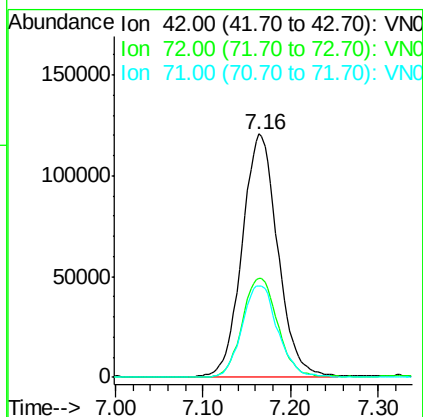
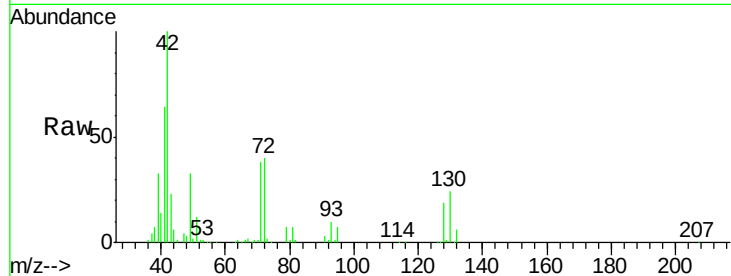
#29
Tetrahydrofuran
Concen: 213.210 ug/l
RT: 7.16 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN063741.D
Acq: 30 Sep 2020 11:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.0	32.8	49.2
71	38.2	30.6	45.8

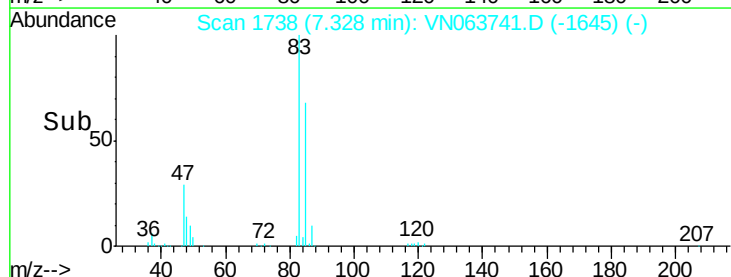
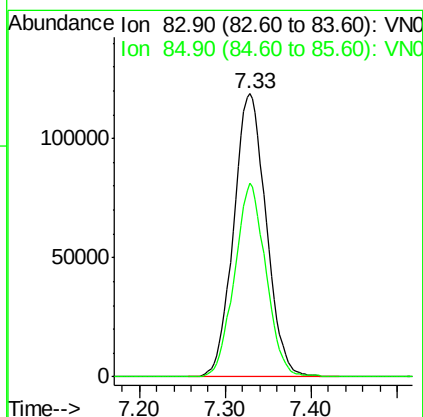
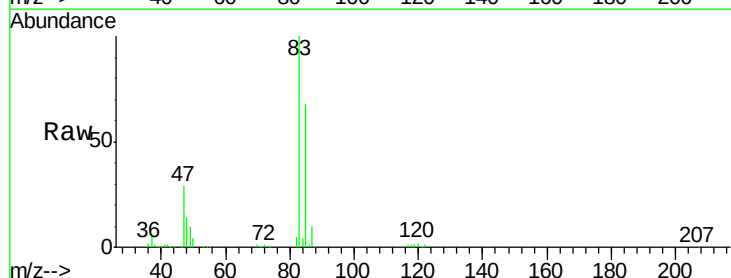
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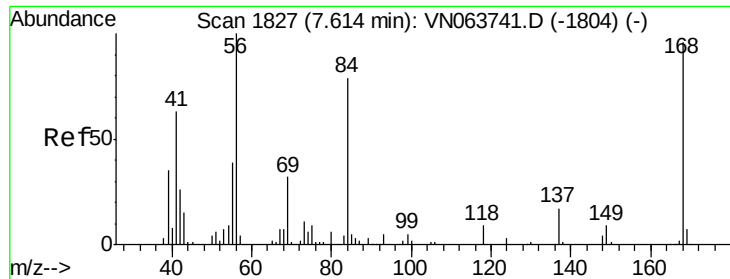
MMDadoda
10/1/2020 2:39:57 PM



#30
Chloroform
Concen: 45.009 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN063741.D
Acq: 30 Sep 2020 11:12

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.3	54.6	82.0





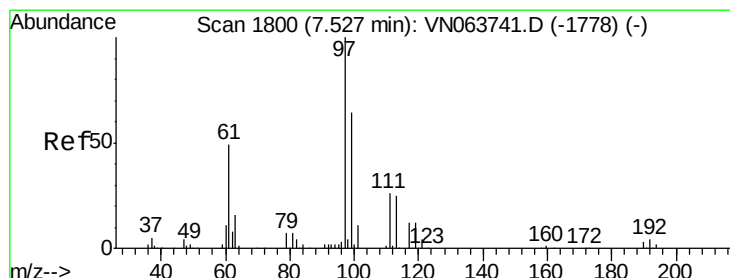
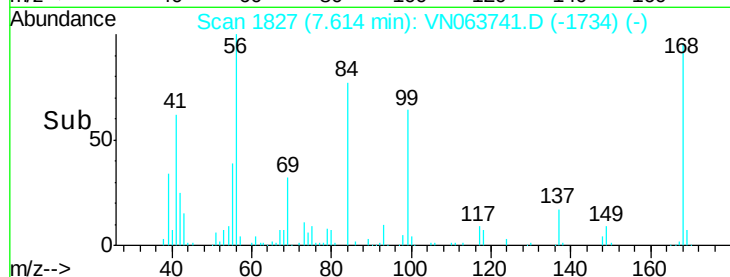
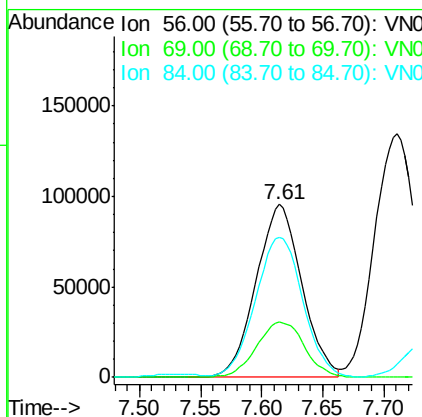
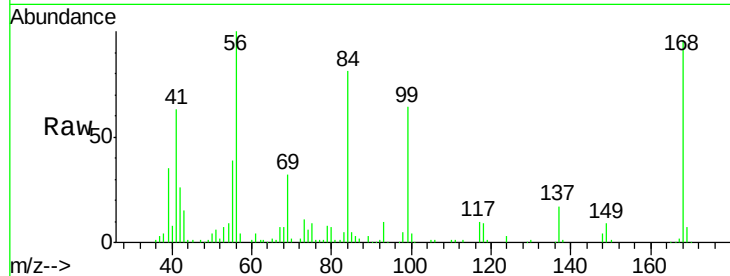
#31
Cyclohexane
Concen: 38.902 ug/l
RT: 7.61 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN063741.D
Acq: 30 Sep 2020 11:12

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
56	100	248875		
69	31.8		25.4	38.2
84	79.1		63.3	94.9

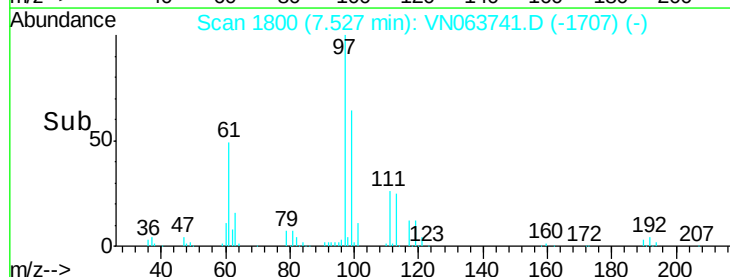
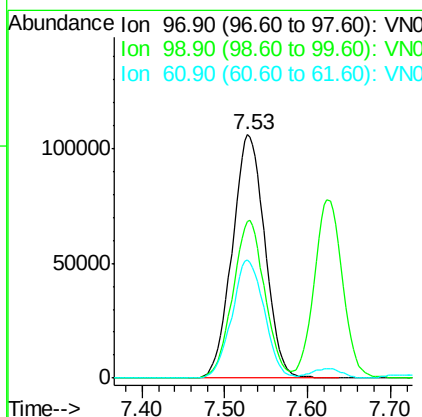
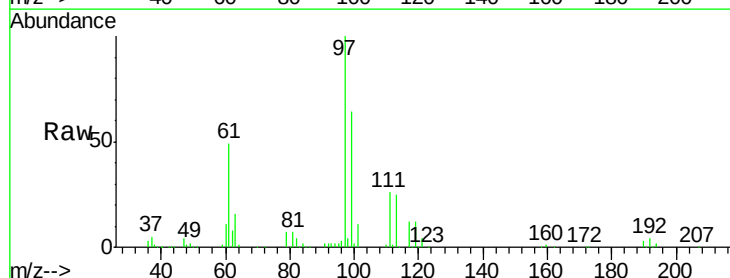
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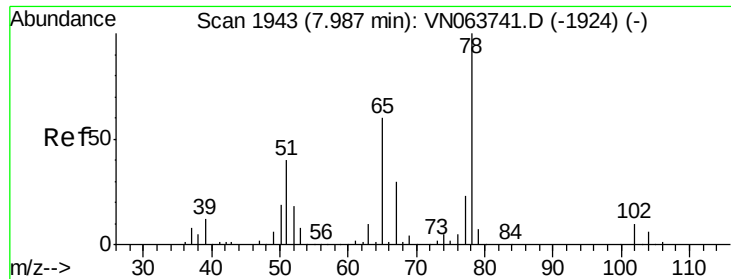
MMDadoda
10/1/2020 2:39:57 PM



#32
1,1,1-Trichloroethane
Concen: 46.525 ug/l
RT: 7.53 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VN063741.D
Acq: 30 Sep 2020 11:12

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	288993		
99	63.8		51.0	76.6
61	48.4		38.7	58.1





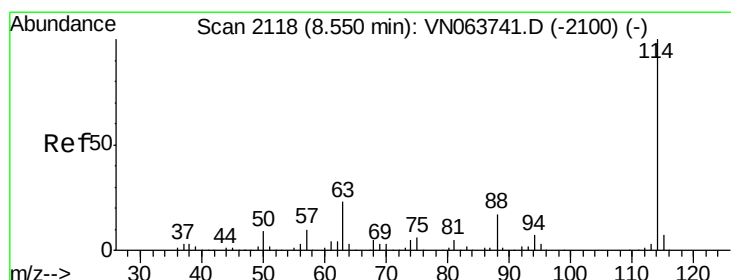
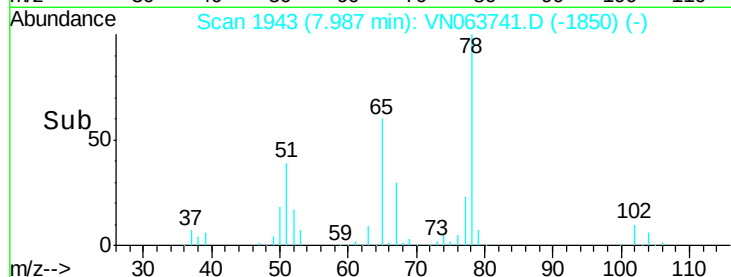
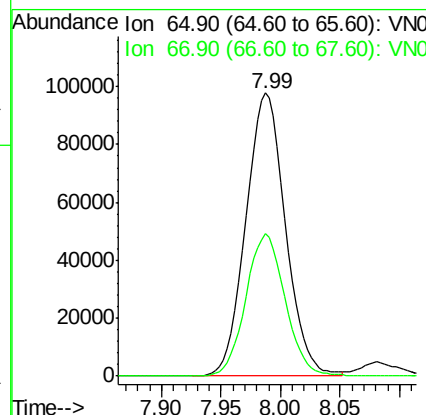
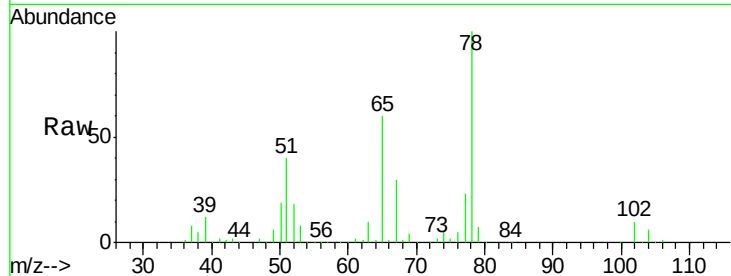
#33
 1,2-Dichloroethane-d4
 Concen: 46.973 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN063741.D
 Acq: 30 Sep 2020 11:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	225459		
67	49.8	0.0	99.6	

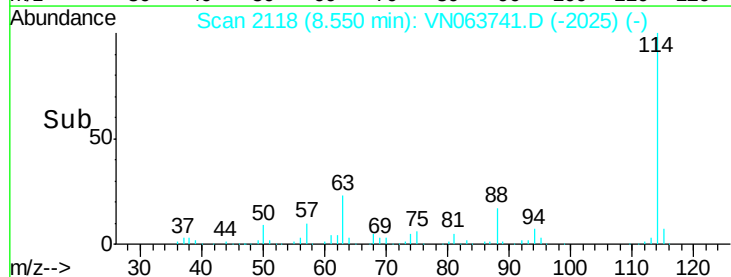
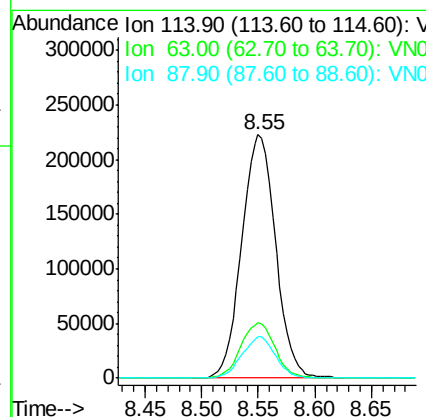
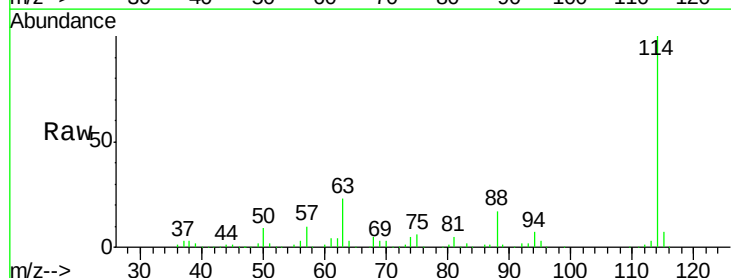
Manual Integrations
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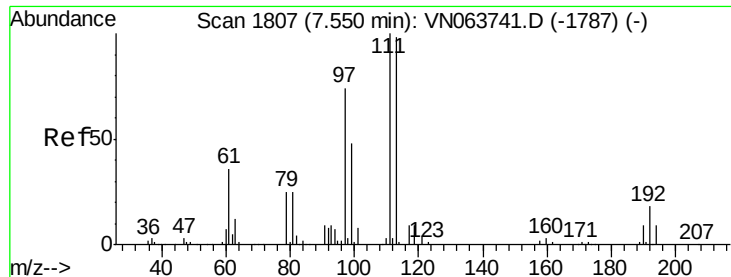
MMDadoda
 10/1/2020 2:39:57 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN063741.D
 Acq: 30 Sep 2020 11:12

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	465101		
63	22.5	0.0	45.0	
88	17.0	0.0	34.0	





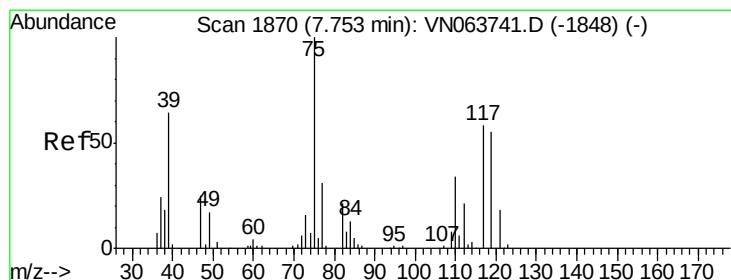
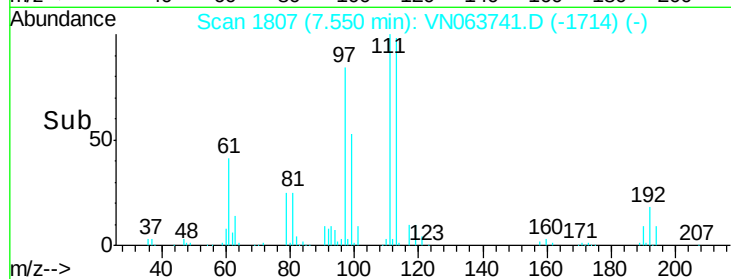
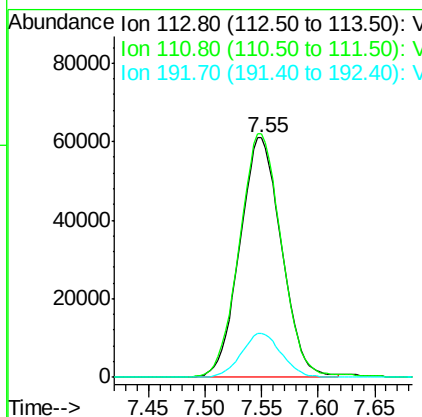
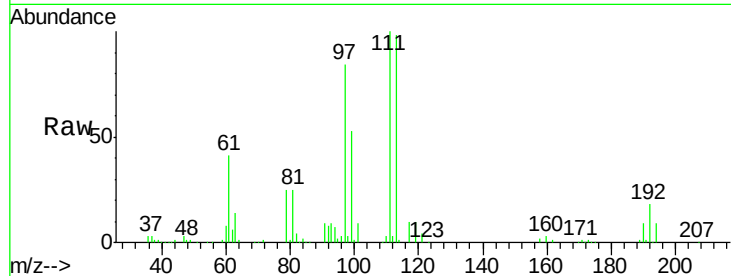
#35
Dibromofluoromethane
Concen: 48.322 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN063741.D
Acq: 30 Sep 2020 11:12

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	156094		
111	102.3	81.8	122.8	
192	17.7	14.2	21.2	

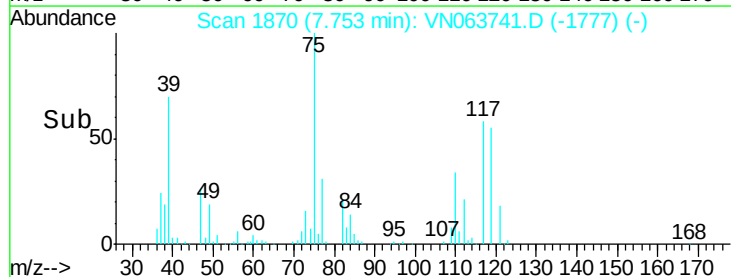
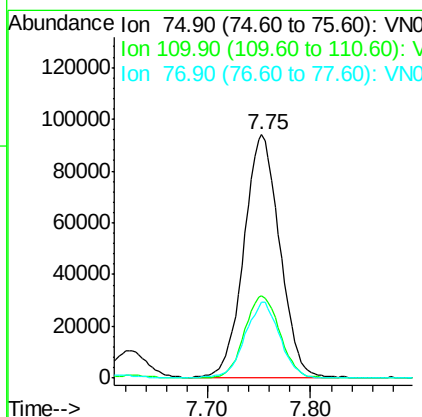
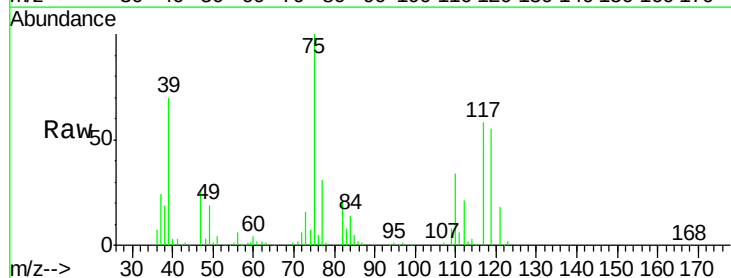
Manual Integrations
APPROVED

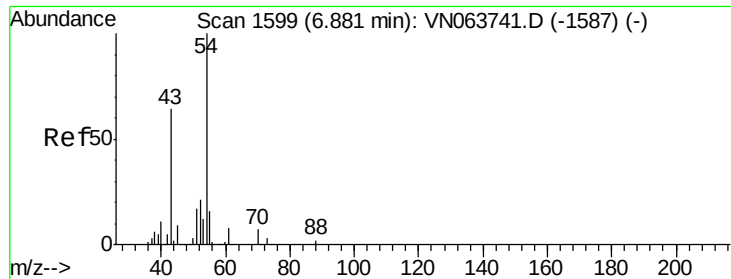
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#36
1,1-Dichloropropene
Concen: 46.168 ug/l
RT: 7.75 min Scan# 1870
Delta R.T. 0.00 min
Lab File: VN063741.D
Acq: 30 Sep 2020 11:12

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	225346		
110	33.7	16.9	50.6	
77	30.6	24.5	36.7	





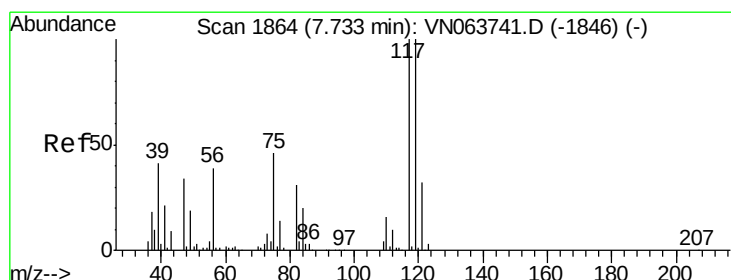
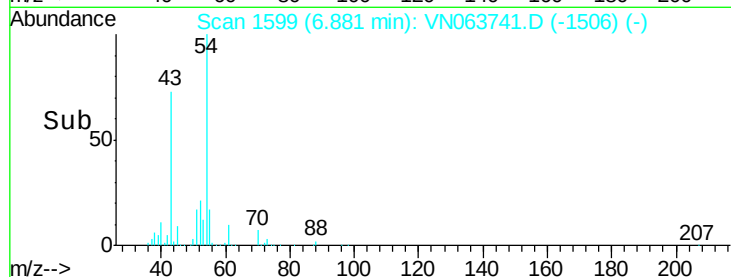
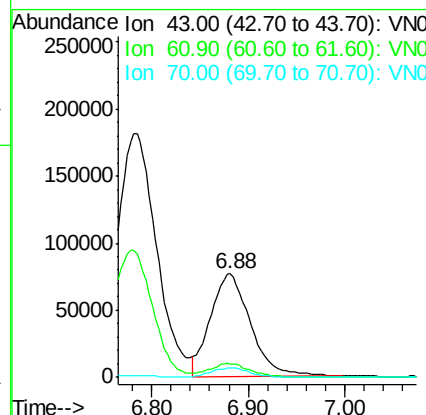
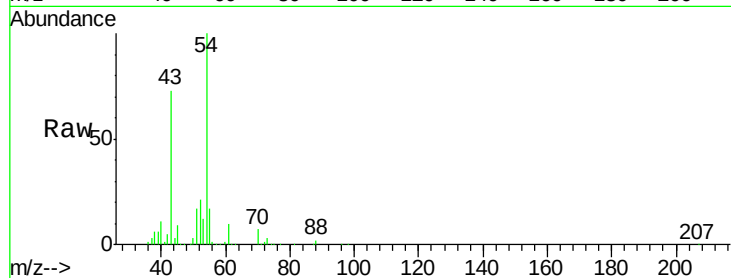
#37
Ethyl Acetate
Concen: 45.952 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VN063741.D
Acq: 30 Sep 2020 11:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.0	10.4	15.6
70	9.1	7.3	10.9

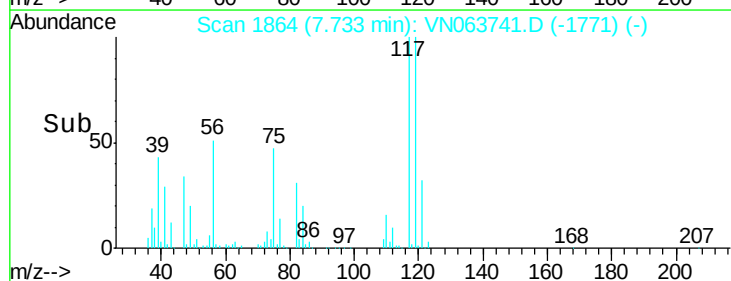
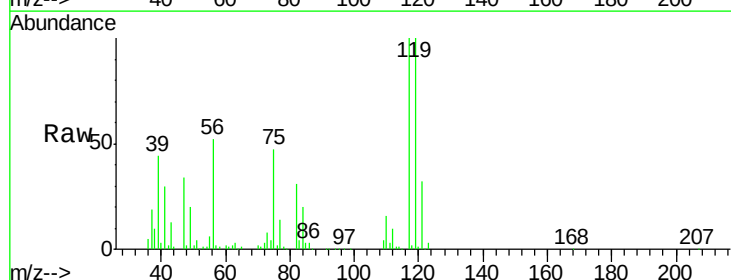
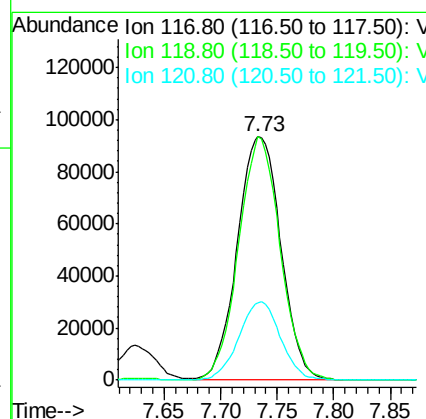
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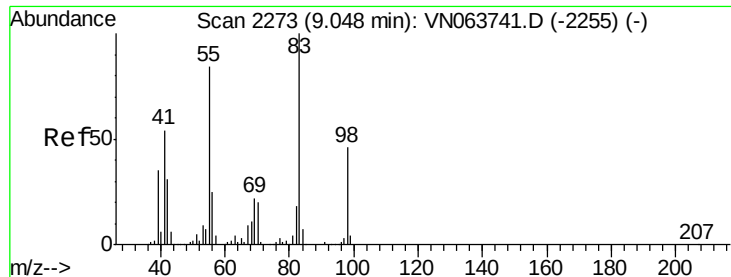
MMDadoda
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#38
Carbon Tetrachloride
Concen: 49.295 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN063741.D
Acq: 30 Sep 2020 11:12

Tgt Ion	Ratio	Lower	Upper
117	100		
119	100.1	80.1	120.1
121	32.1	25.7	38.5





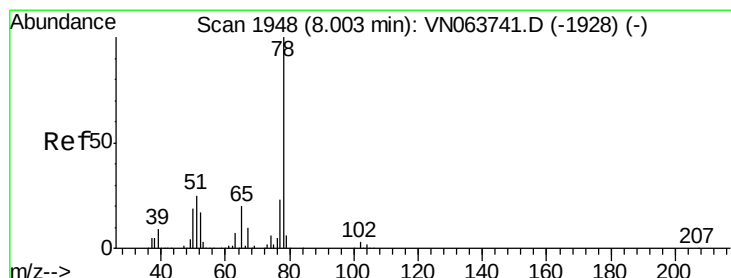
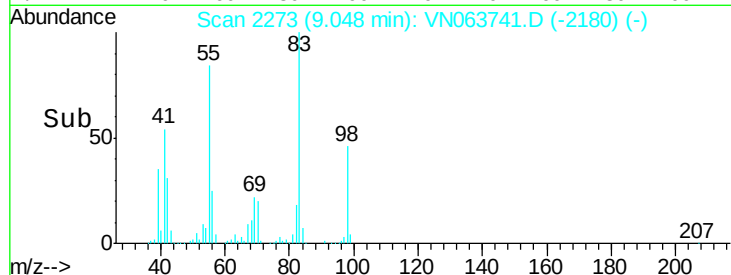
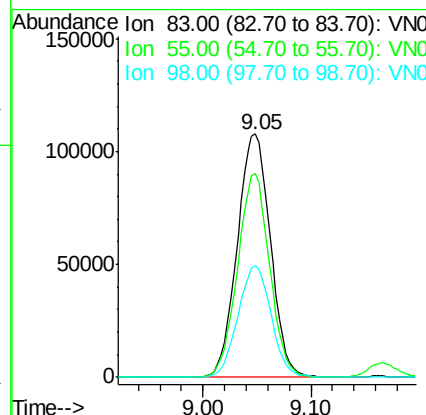
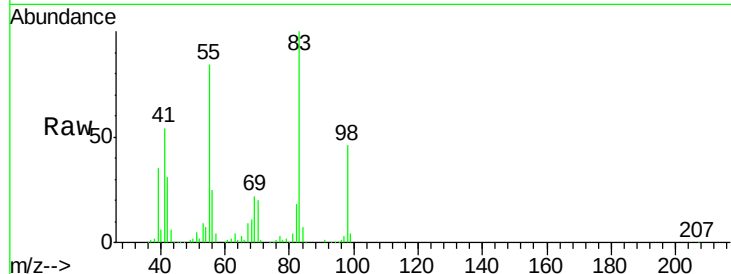
#39
Methylvlcyclohexane
Concen: 43.962 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN063741.D
Acq: 30 Sep 2020 11:12

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	83.9	67.1	100.7	
98	45.7	36.6	54.8	

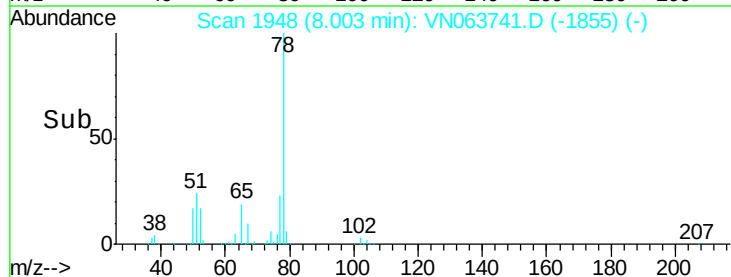
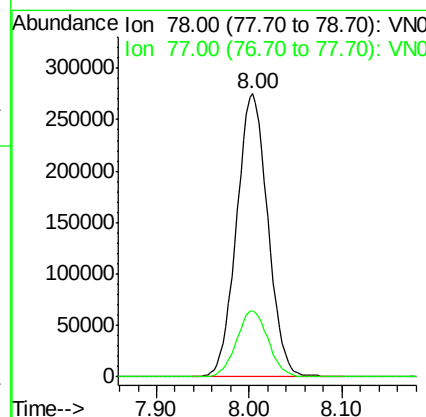
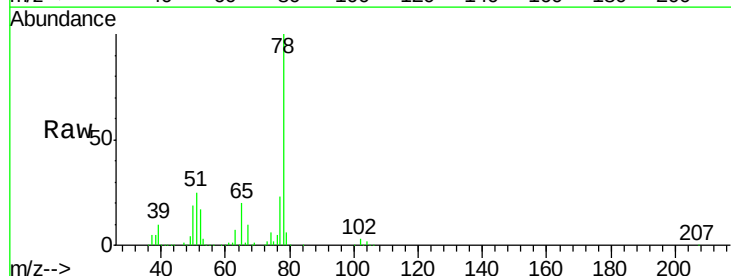
Manual Integrations
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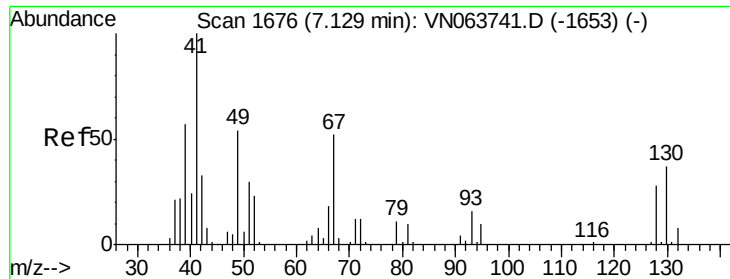
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#40
Benzene
Concen: 46.095 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN063741.D
Acq: 30 Sep 2020 11:12

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.4	18.7	28.1	





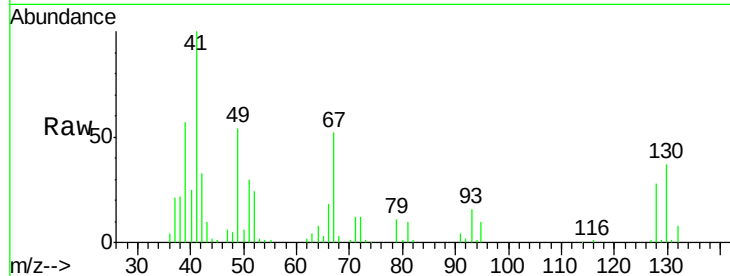
#41
Methacrylonitrile
Concen: 50.698 ug/l
RT: 7.13 min Scan# 1676
Delta R.T. 0.00 min
Lab File: VN063741.D
Acq: 30 Sep 2020 11:12

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

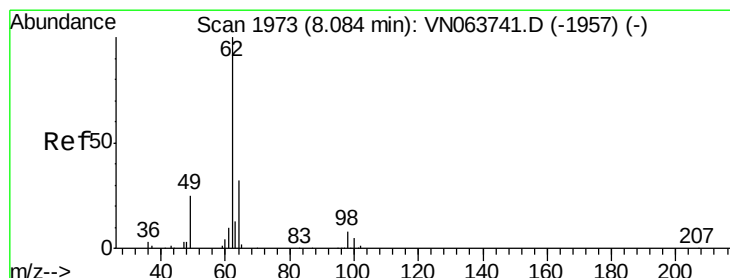
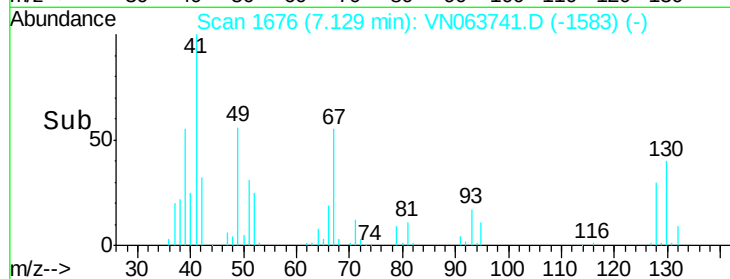
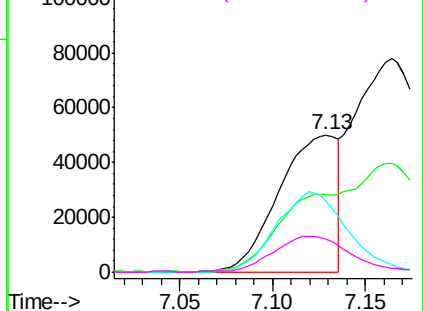
Tot Ion	Ratio	Lower	Upper
41	100		
39	53.1	42.5	63.7
67	71.8	57.4	86.2
52	33.6	26.9	40.3

Manual Integrations
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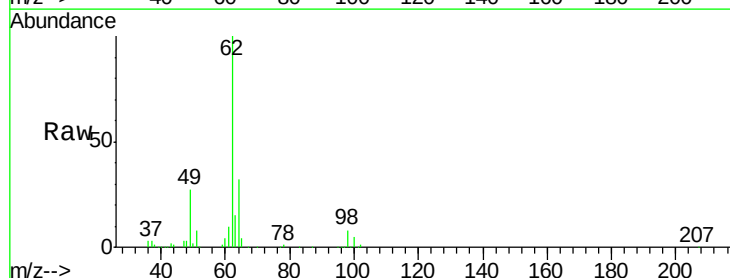


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

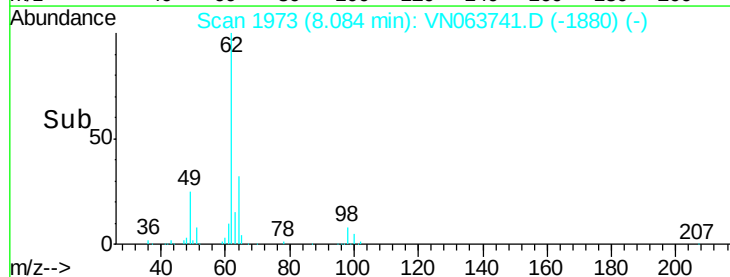
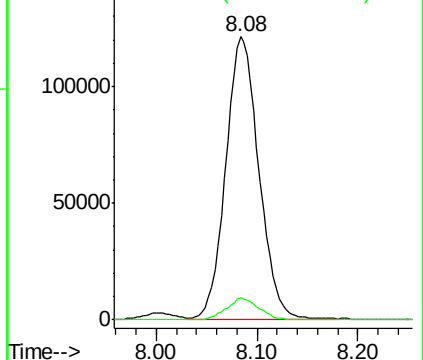


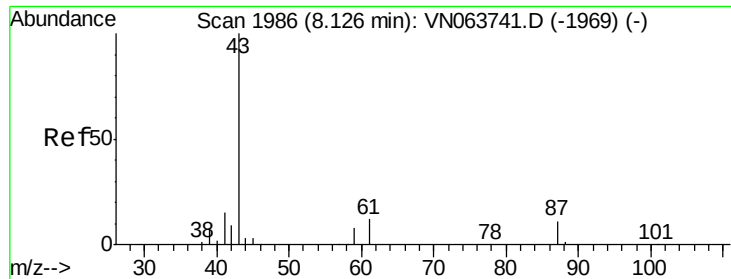
#42
1,2-Dichloroethane
Concen: 48.814 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VN063741.D
Acq: 30 Sep 2020 11:12

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.5	0.0	15.0



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





#43

Isopropyl Acetate

Concen: 45.585 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN063741.D

Acq: 30 Sep 2020 11:12

Instrument :

MSVOA_N

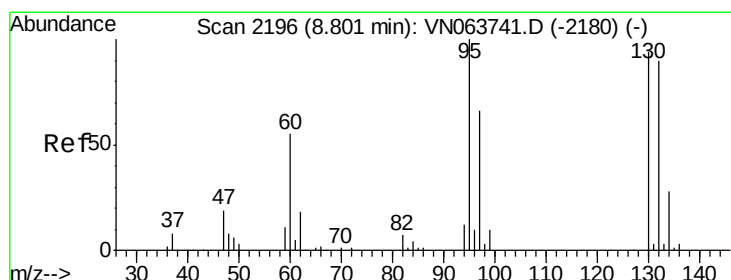
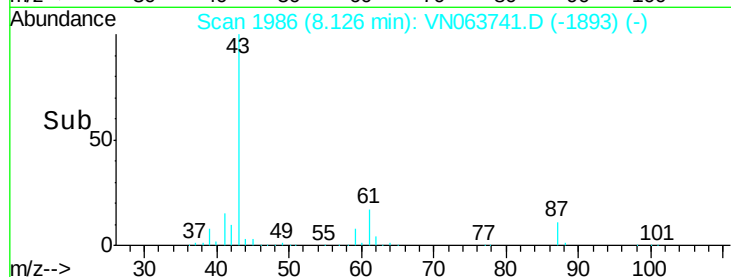
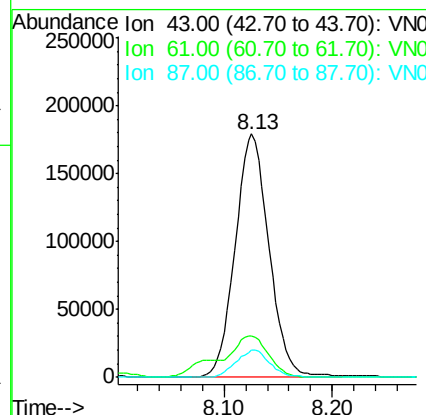
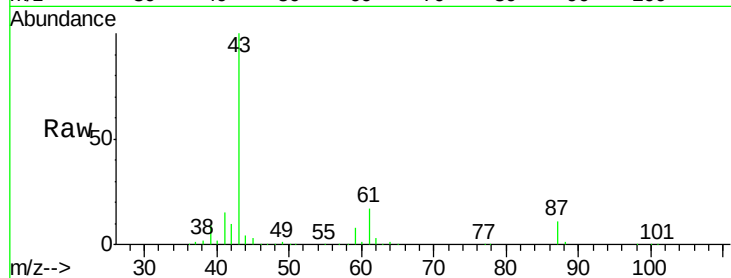
ClientSampleId :

VSTDICCC050

Tot Ion:	43	Resp:	389789
Ion	Ratio	Lower	Upper
43	100		
61	17.8	14.2	21.4
87	11.3	9.0	13.6

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10/1/2020 2:39:57 PM



#44

Trichloroethene

Concen: 48.552 ug/l

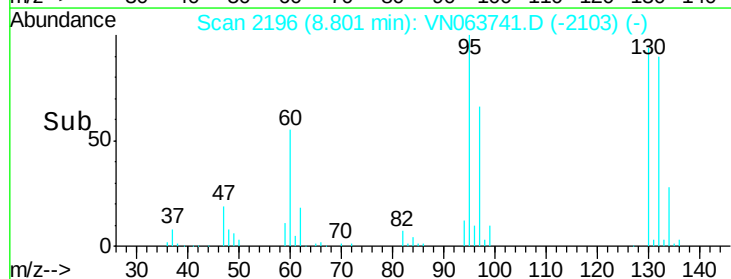
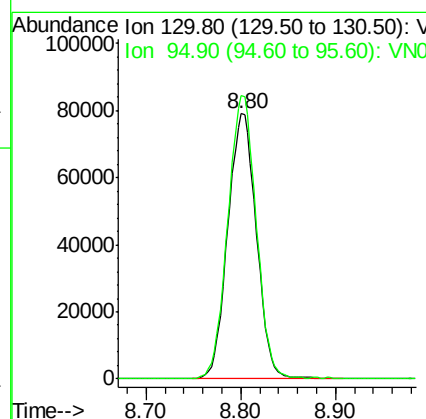
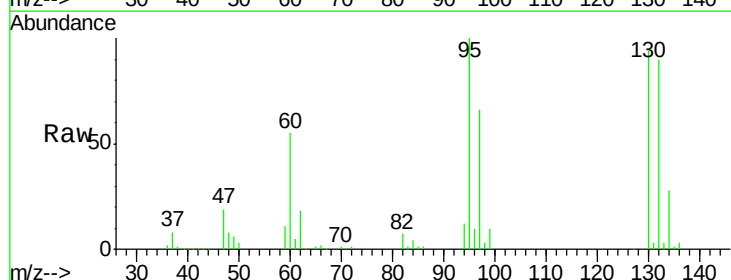
RT: 8.80 min Scan# 2196

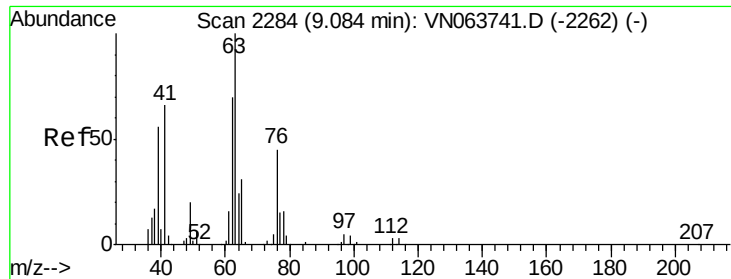
Delta R.T. 0.00 min

Lab File: VN063741.D

Acq: 30 Sep 2020 11:12

Tgt Ion:	130	Resp:	166043
Ion	Ratio	Lower	Upper
130	100		
95	106.8	0.0	213.6





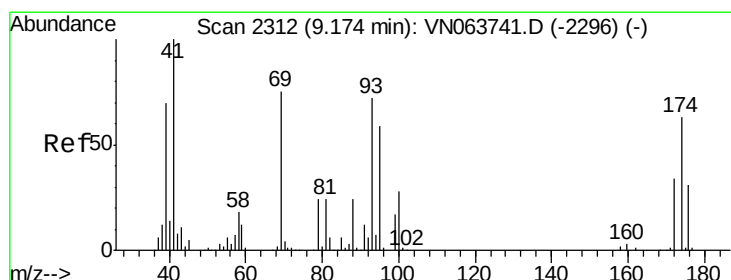
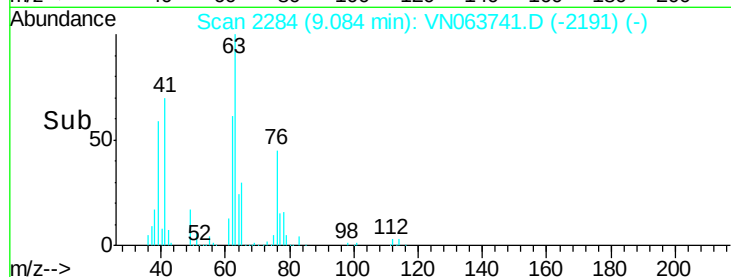
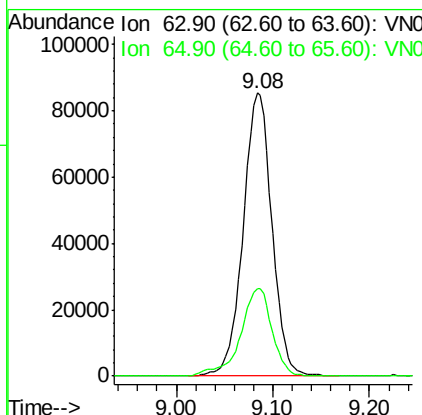
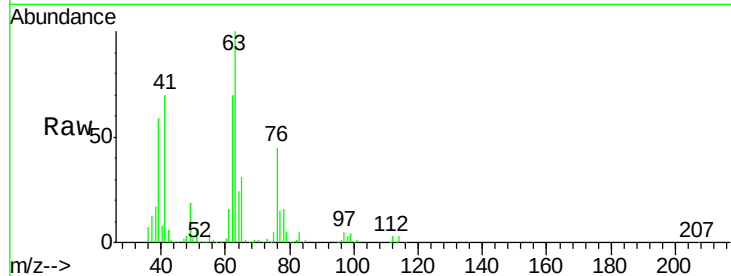
#45
 1,2-Dichloropropane
 Concen: 46.507 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN063741.D
 Acq: 30 Sep 2020 11:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion: 63 Resp: 176220
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.7 37.1

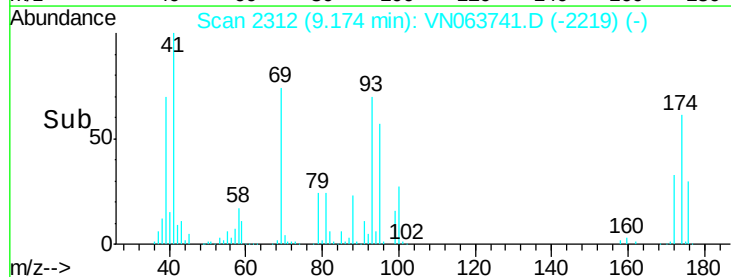
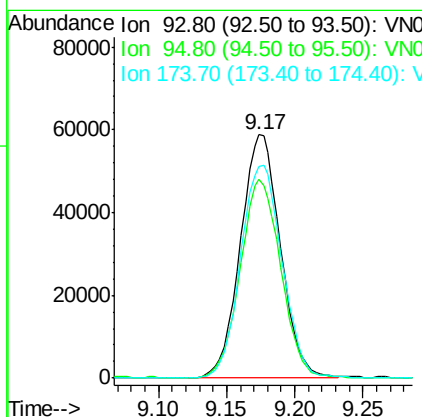
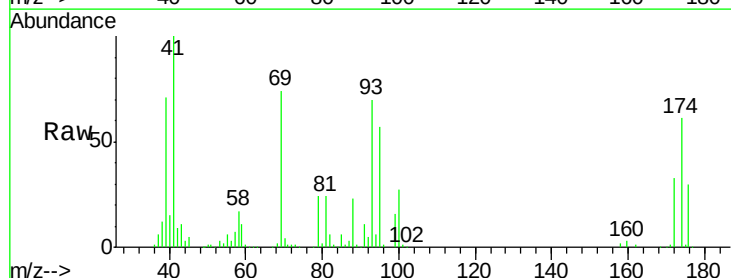
Manual Integrations
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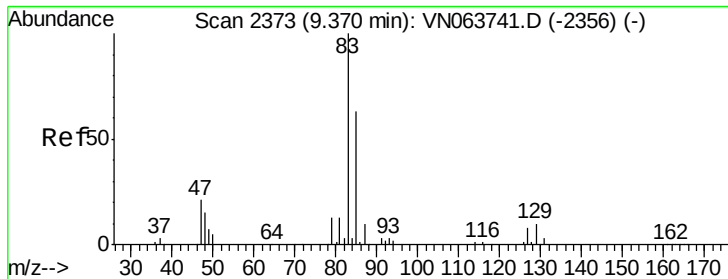
MMDadoda
 10/1/2020 2:39:57 PM



#46
 Dibromomethane
 Concen: 47.779 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN063741.D
 Acq: 30 Sep 2020 11:12

Tgt Ion: 93 Resp: 119645
 Ion Ratio Lower Upper
 93 100
 95 82.9 66.3 99.5
 174 90.9 72.7 109.1





#47

Bromodichloromethane

Concen: 48.837 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN063741.D

Acq: 30 Sep 2020 11:12

Instrument :

MSVOA_N

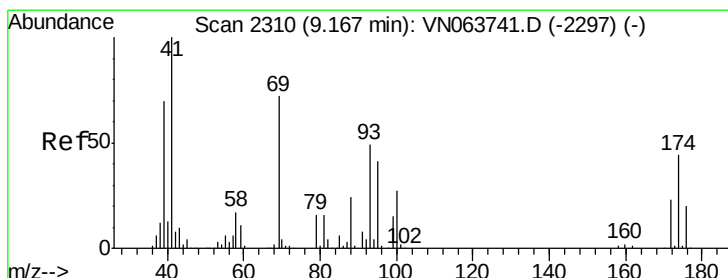
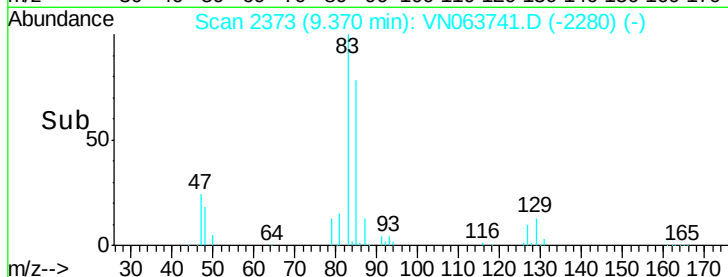
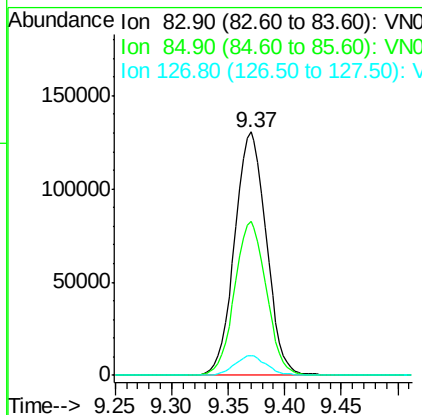
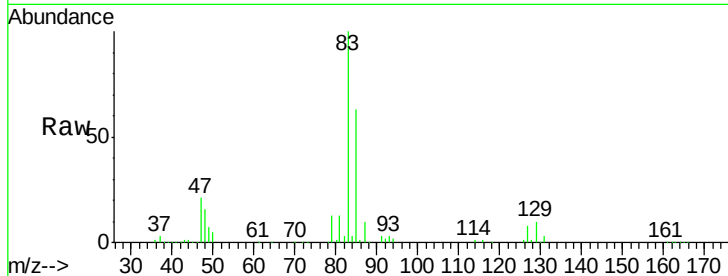
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	255324
Ion	Ratio	Lower	Upper
83	100		
85	63.2	50.6	75.8
127	8.2	6.6	9.8

Manual Integrations
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MMDadoda
10/1/2020 2:39:57 PM



#48

Methyl methacrylate

Concen: 45.048 ug/l

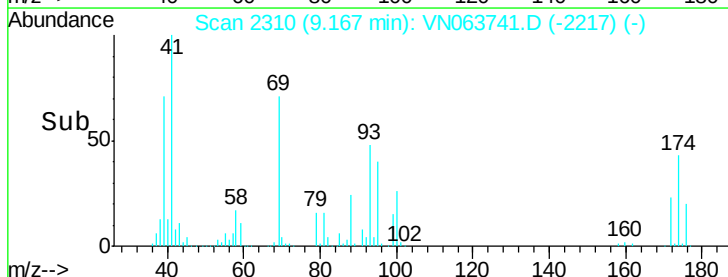
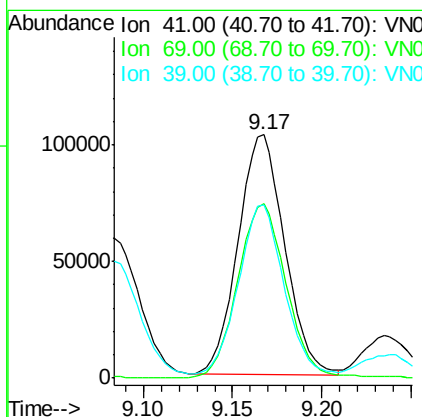
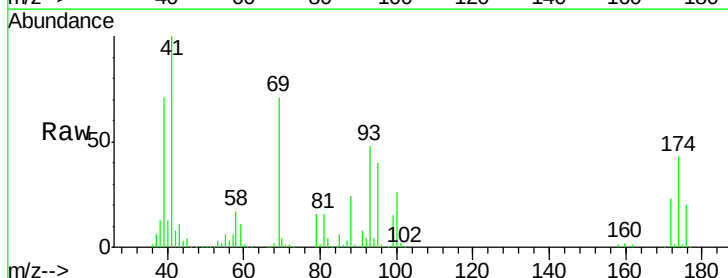
RT: 9.17 min Scan# 2310

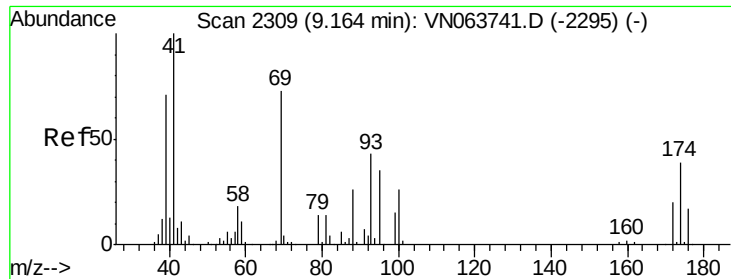
Delta R.T. 0.00 min

Lab File: VN063741.D

Acq: 30 Sep 2020 11:12

Tgt Ion:	41	Resp:	188534
Ion	Ratio	Lower	Upper
41	100		
69	76.1	60.9	91.3
39	71.9	57.5	86.3





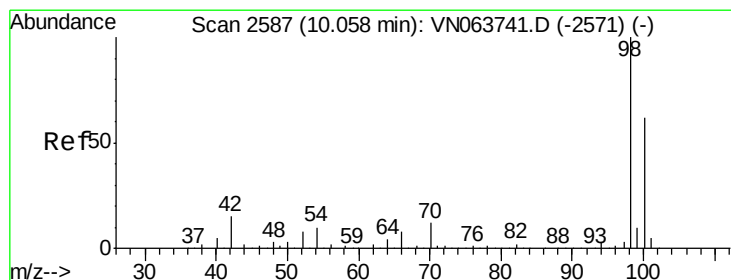
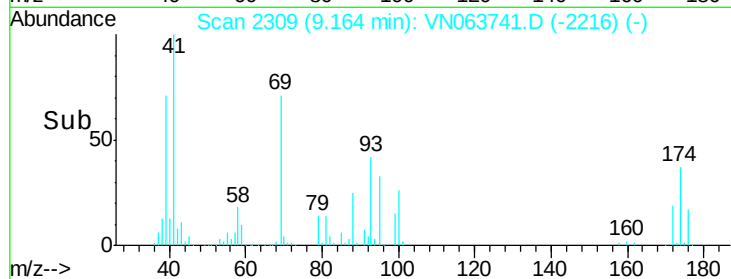
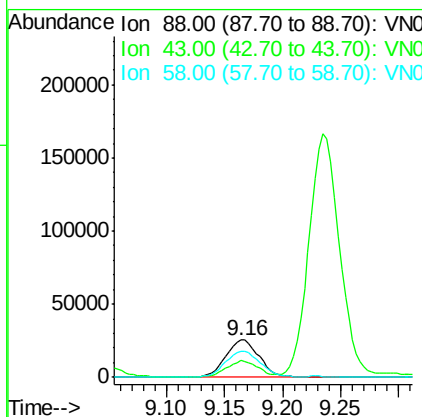
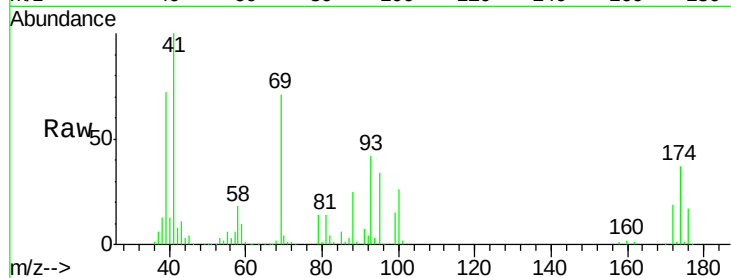
#49
1,4-Dioxane
Concen: 860.135 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN063741.D
Acq: 30 Sep 2020 11:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	41.4	33.1	49.7
58	73.6	58.9	88.3

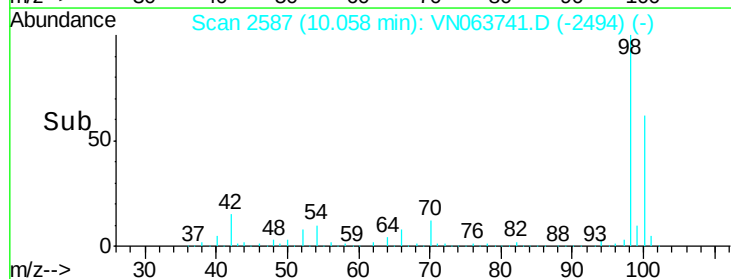
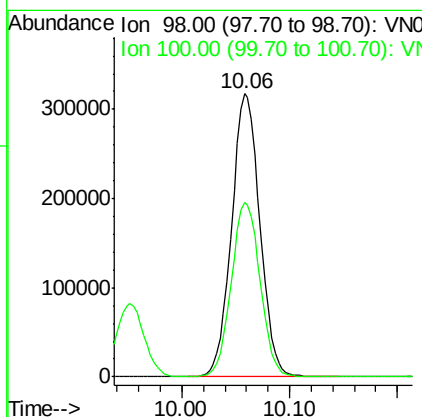
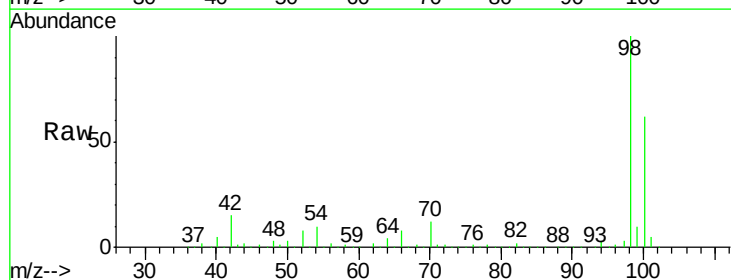
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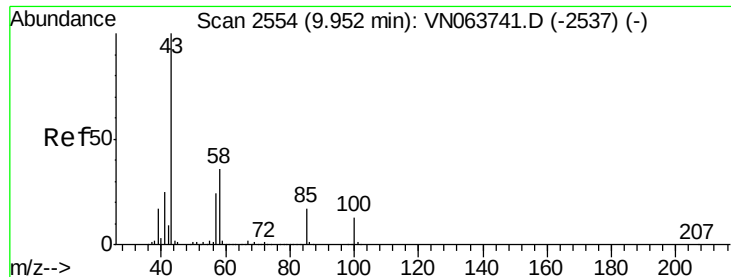
MMDadoda
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#50
Toluene-d8
Concen: 48.115 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN063741.D
Acq: 30 Sep 2020 11:12

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.2	49.8	74.6





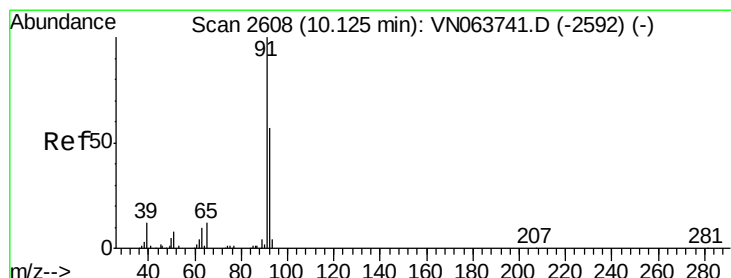
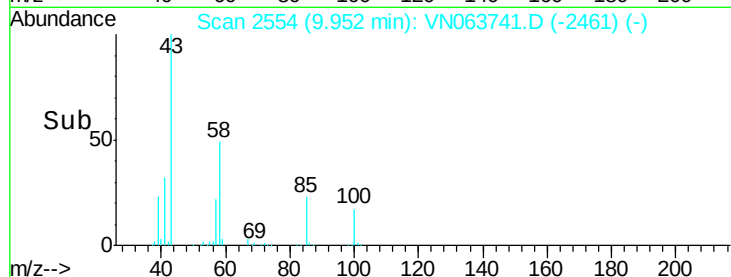
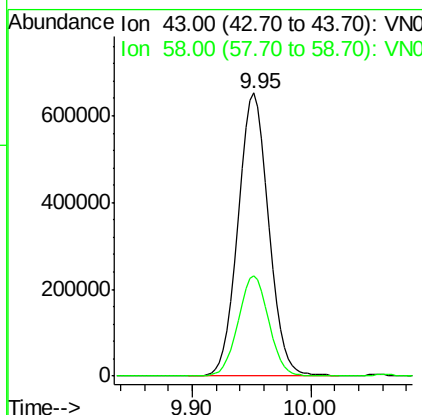
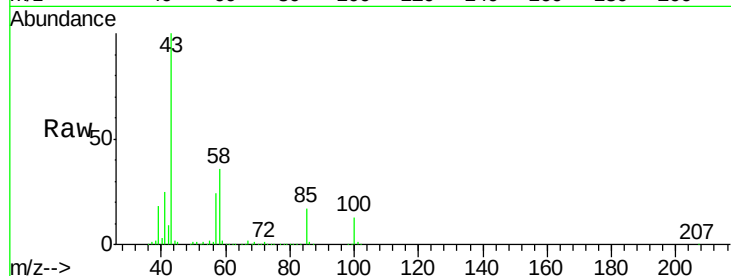
#51
4-Methyl-2-Pentanone
Concen: 241.031 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN063741.D
Acq: 30 Sep 2020 11:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 1163100
Ion Ratio Lower Upper
43 100
58 35.5 28.4 42.6

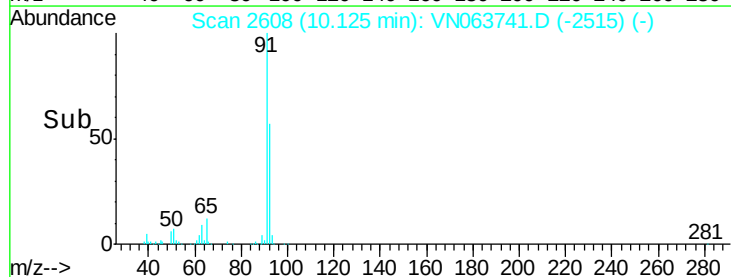
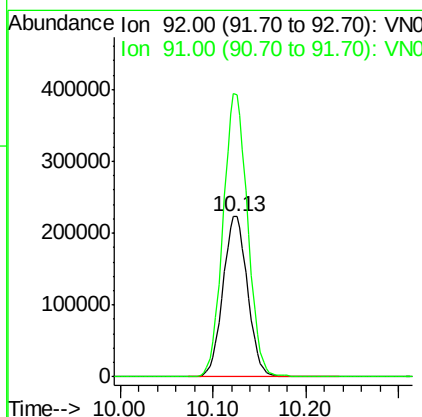
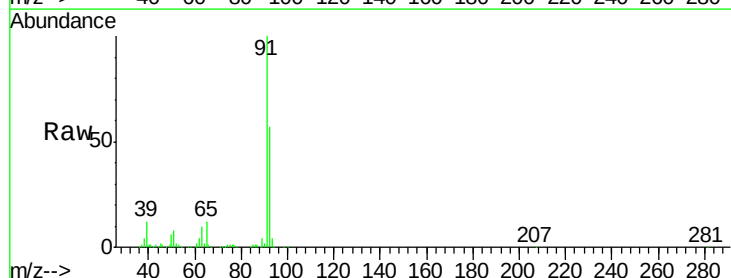
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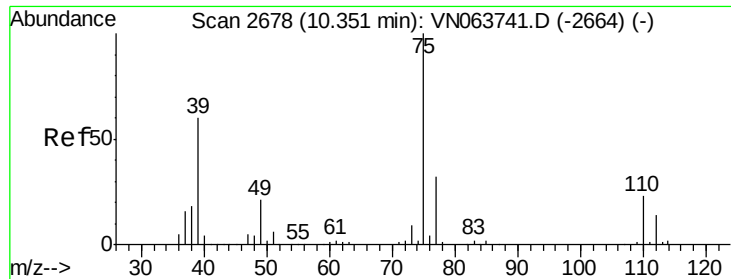
MMDadoda
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#52
Toluene
Concen: 48.844 ug/l
RT: 10.13 min Scan# 2608
Delta R.T. 0.00 min
Lab File: VN063741.D
Acq: 30 Sep 2020 11:12

Tgt Ion: 92 Resp: 410996
Ion Ratio Lower Upper
92 100
91 175.7 140.6 210.8





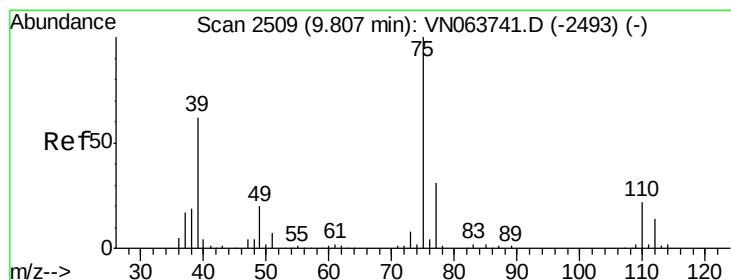
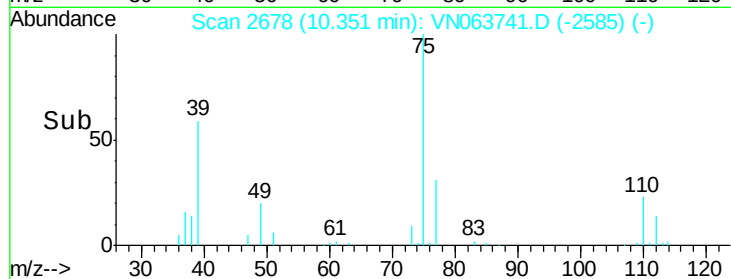
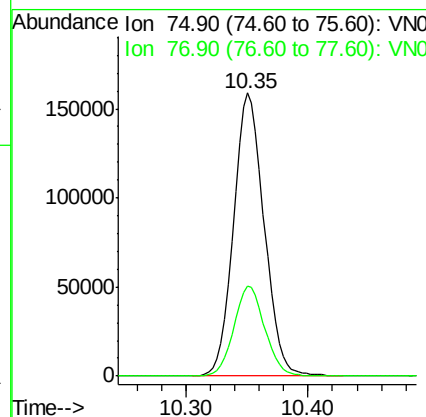
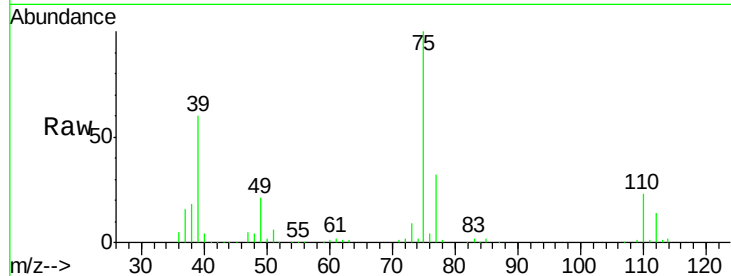
#53
 t-1,3-Dichloropropene
 Concen: 47.758 ug/l
 RT: 10.35 min Scan# 2678
 Delta R.T. 0.00 min
 Lab File: VN063741.D
 Acq: 30 Sep 2020 11:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.3	37.9

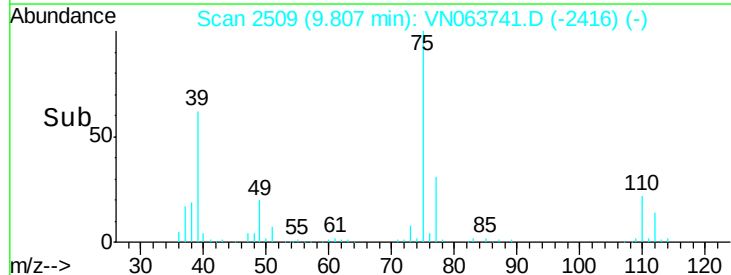
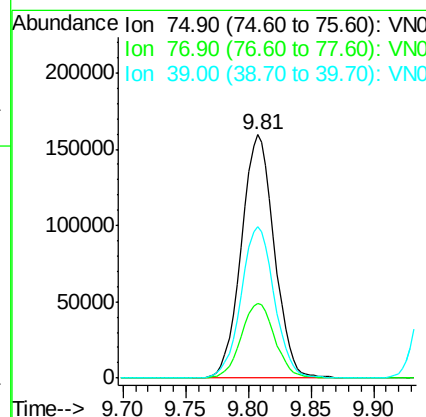
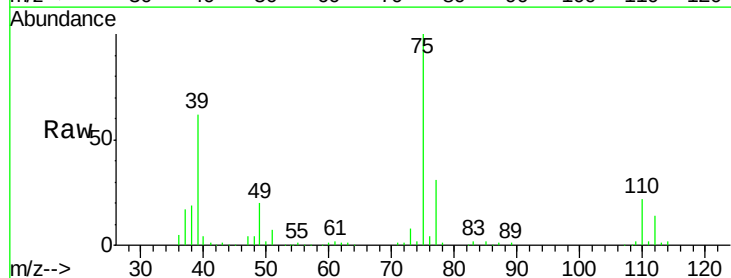
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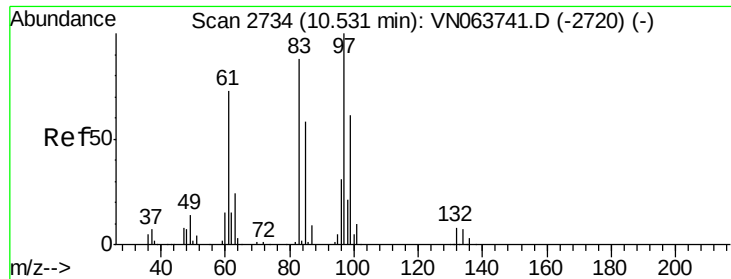
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#54
 cis-1,3-Dichloropropene
 Concen: 47.766 ug/l
 RT: 9.81 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN063741.D
 Acq: 30 Sep 2020 11:12

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.7	24.6	36.8
39	62.1	49.7	74.5





#55

1,1,2-Trichloroethane

Concen: 49.259 ug/l

RT: 10.53 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN063741.D

Acq: 30 Sep 2020 11:12

Instrument :

MSVOA_N

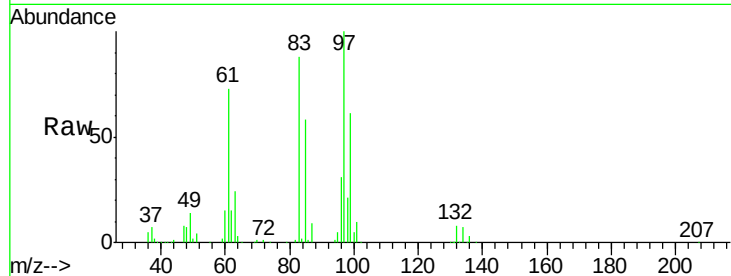
ClientSampled :

VSTDICCC050

Tot Ion:	97	Resp:	165495
Ion	Ratio	Lower	Upper
97	100		
83	88.4	70.7	106.1
85	57.6	46.1	69.1
99	61.0	48.8	73.2

Manual Integrations
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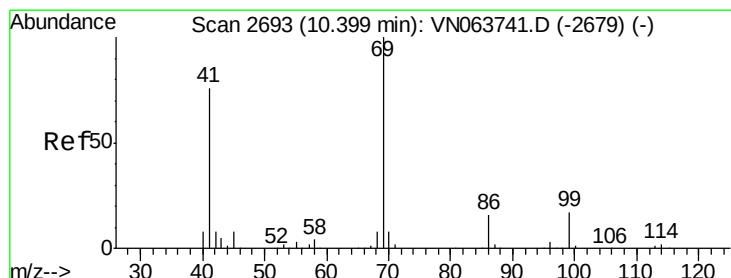
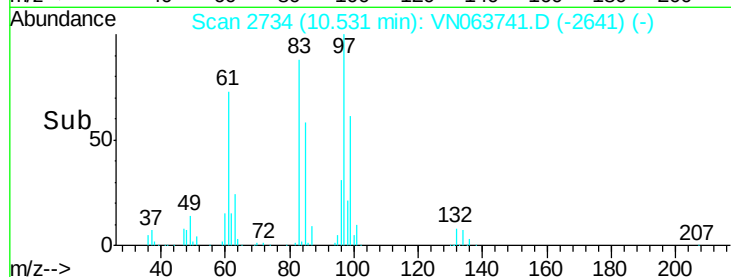
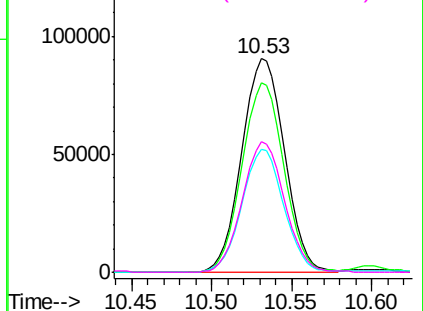


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 46.917 ug/l

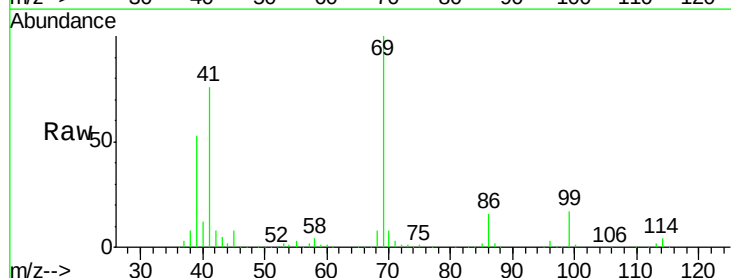
RT: 10.40 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN063741.D

Acq: 30 Sep 2020 11:12

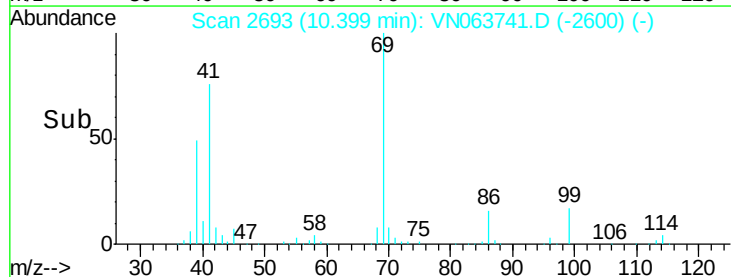
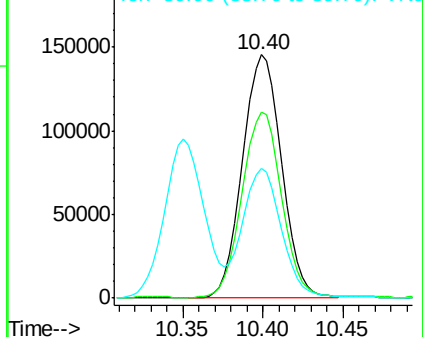
Tgt Ion:	69	Resp:	243474
Ion	Ratio	Lower	Upper
69	100		
41	76.4	61.1	91.7
39	52.8	42.2	63.4

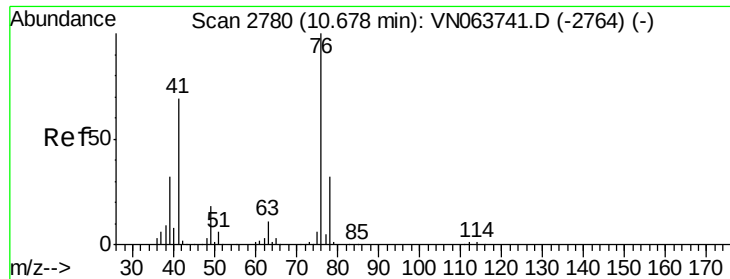


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





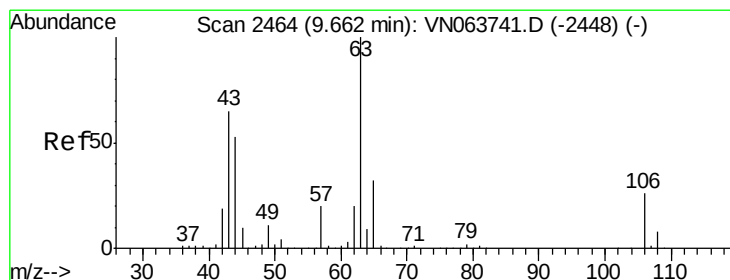
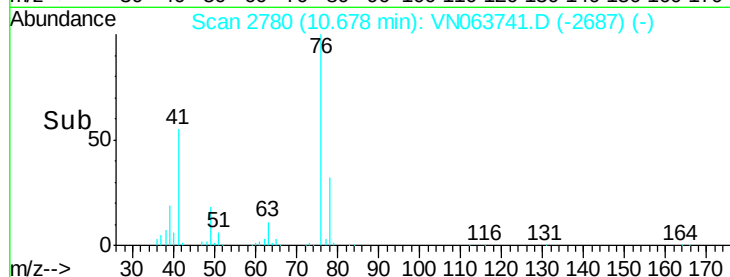
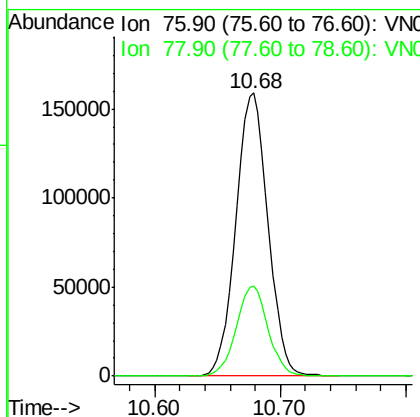
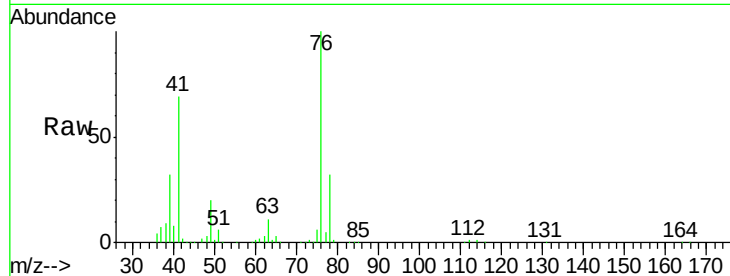
#57
 1,3-Dichloropropane
 Concen: 46.901 ug/l
 RT: 10.68 min Scan# 2780
 Delta R.T. 0.00 min
 Lab File: VN063741.D
 Acq: 30 Sep 2020 11:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion: 76 Resp: 282471
 Ion Ratio Lower Upper
 76 100
 78 31.5 25.2 37.8

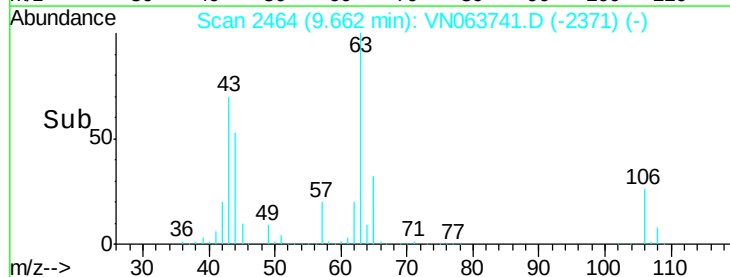
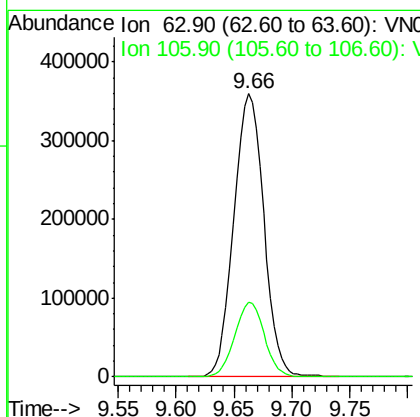
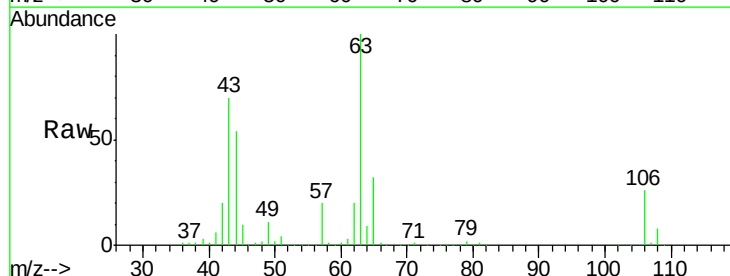
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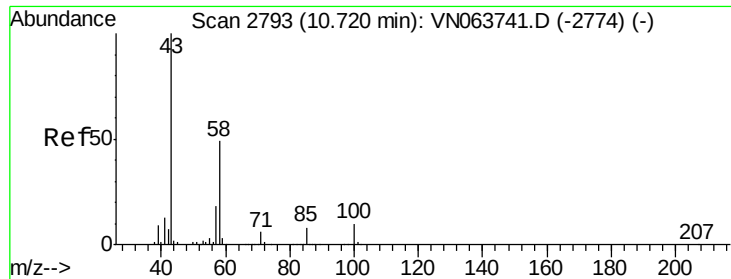
MMDadoda
 10/1/2020 2:39:57 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 235.082 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN063741.D
 Acq: 30 Sep 2020 11:12

Tgt Ion: 63 Resp: 645829
 Ion Ratio Lower Upper
 63 100
 106 25.9 20.7 31.1





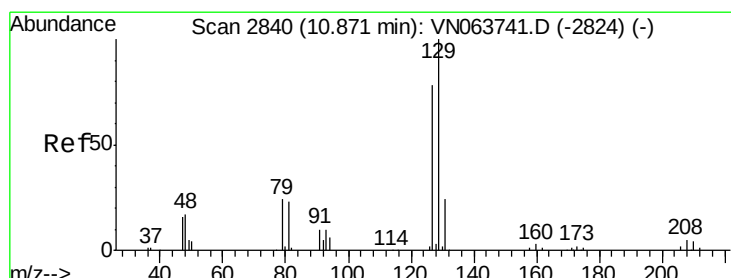
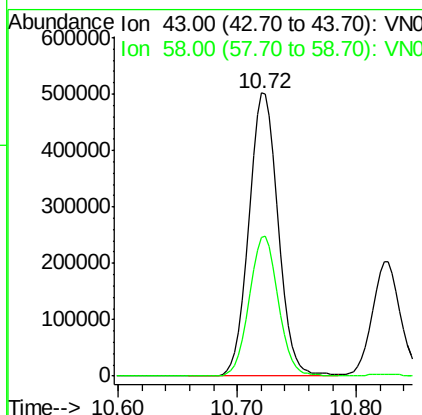
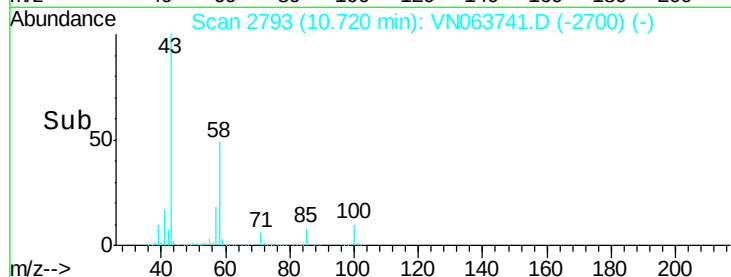
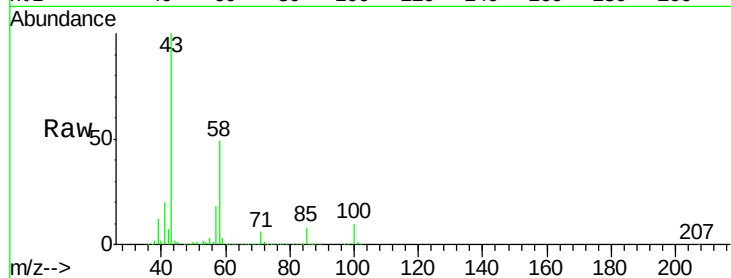
#59
2-Hexanone
Concen: 243.775 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN063741.D
Acq: 30 Sep 2020 11:12

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.2	24.6	73.8

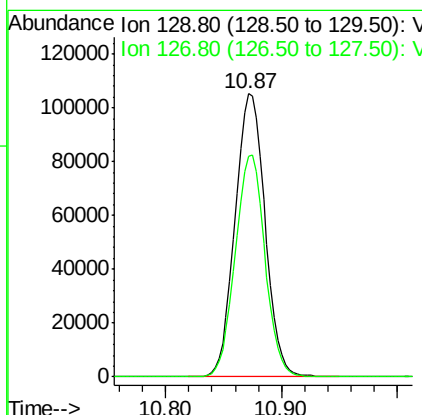
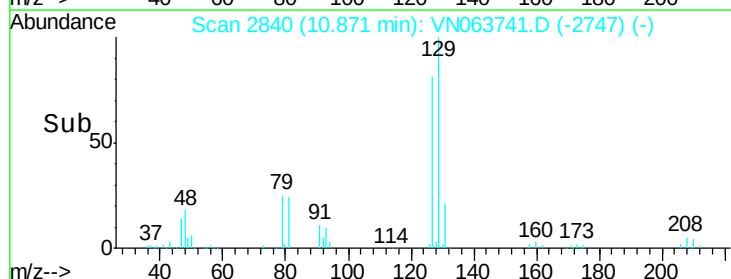
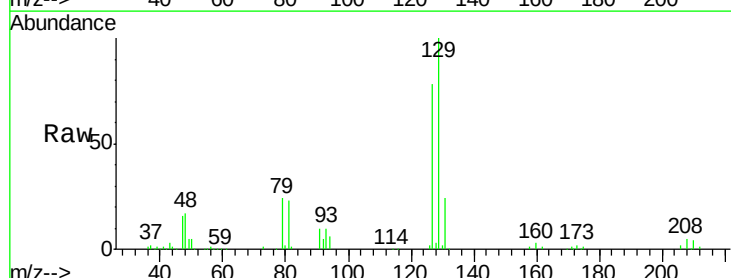
Manual Integrations
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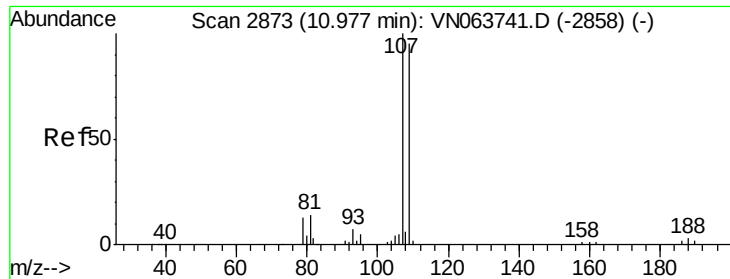
MMDadoda
10/1/2020 2:39:57 PM



#60
Dibromochloromethane
Concen: 49.690 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN063741.D
Acq: 30 Sep 2020 11:12

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.8	38.9	116.7





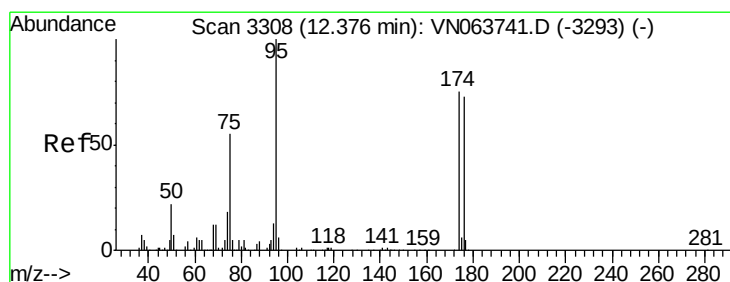
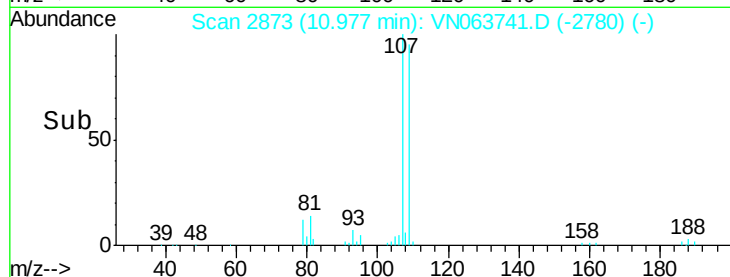
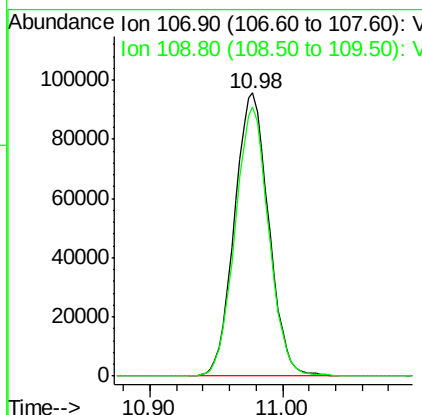
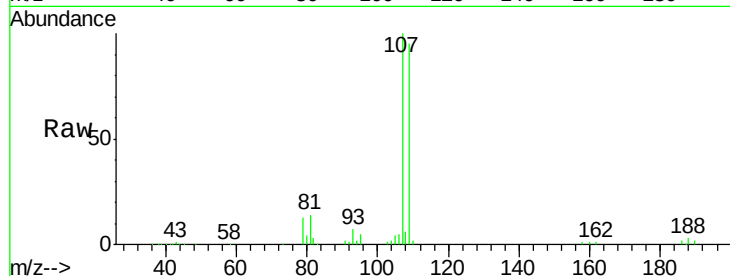
#61
 1,2-Dibromoethane
 Concen: 49.156 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN063741.D
 Acq: 30 Sep 2020 11:12

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.5	74.8	112.2

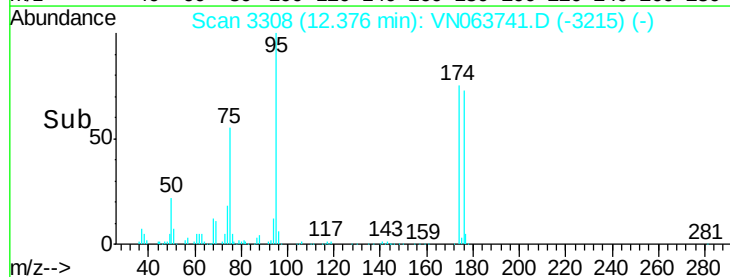
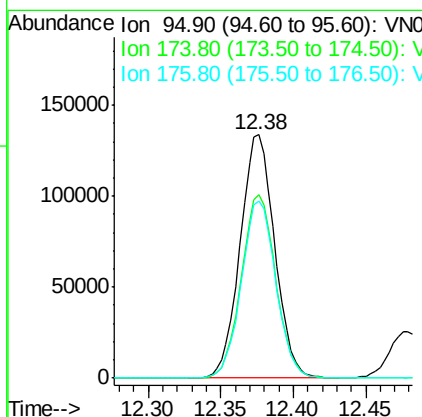
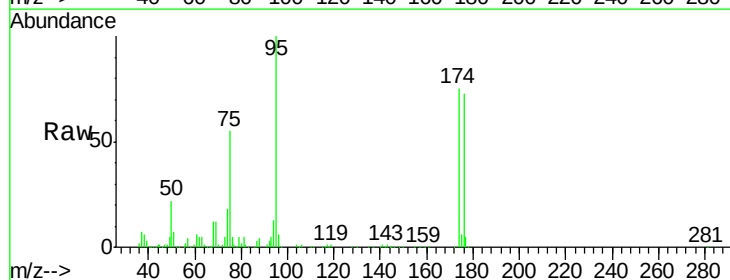
Manual Integrations
 APPROVED

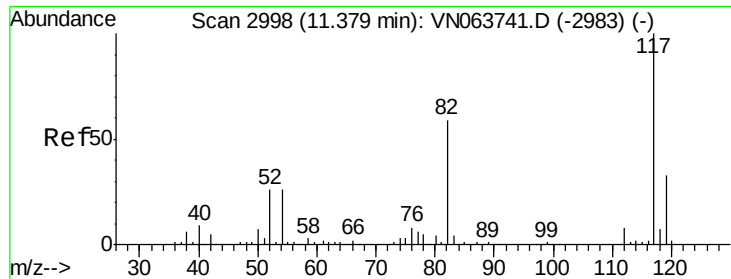
MMDadoda
 10/1/2020 2:39:57 PM



#62
 4-Bromofluorobenzene
 Concen: 49.761 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.00 min
 Lab File: VN063741.D
 Acq: 30 Sep 2020 11:12

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.3	0.0	150.6
176	72.7	0.0	145.4





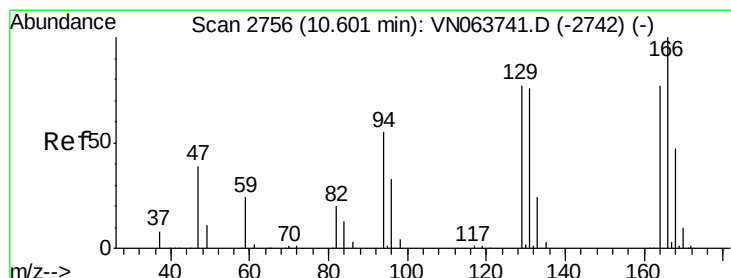
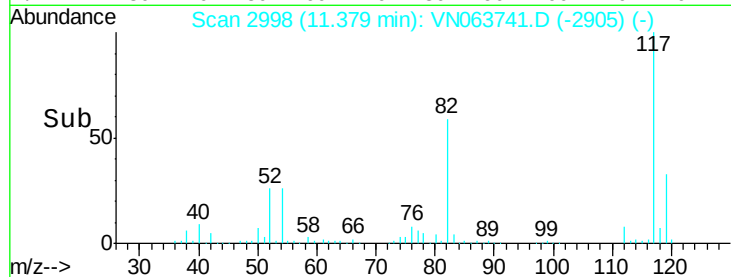
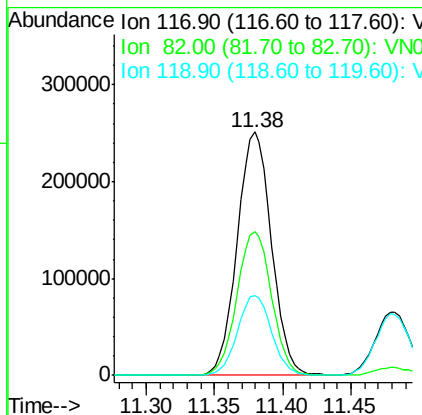
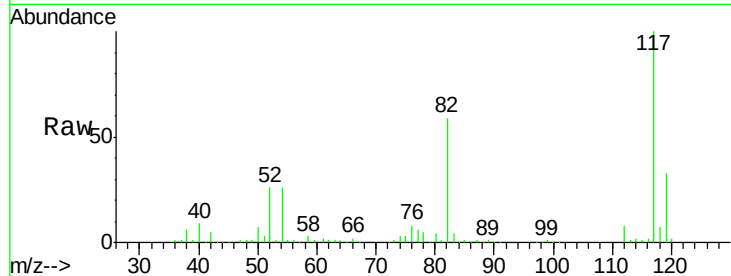
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063741.D
Acq: 30 Sep 2020 11:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.3	47.4	71.2
119	33.0	26.4	39.6

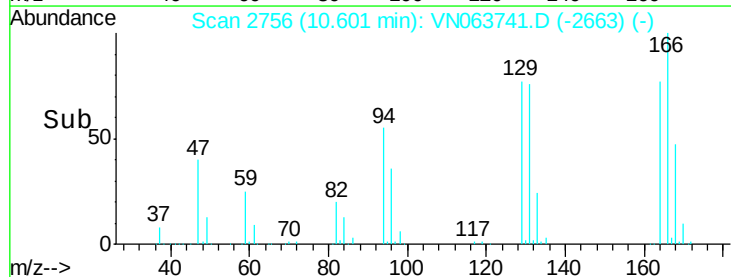
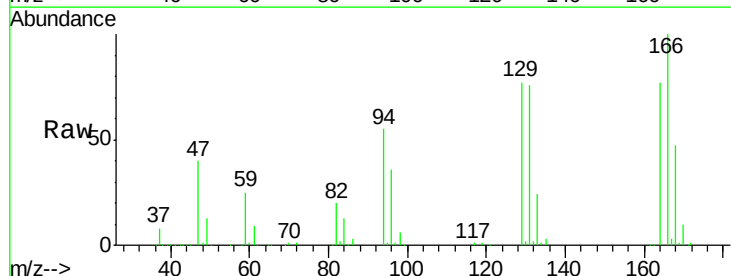
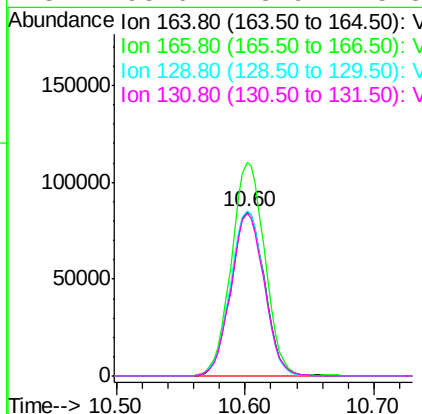
Manual Integrations
APPROVED

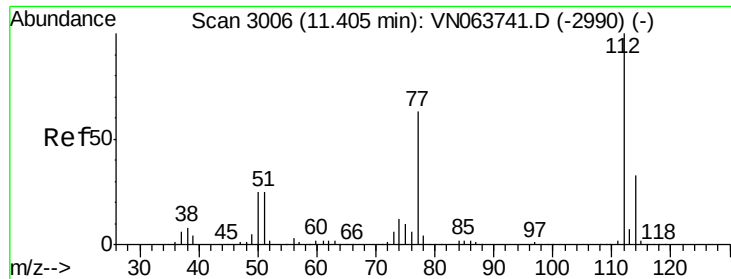
MMDadoda
10/1/2020 2:39:57 PM



#64
Tetrachloroethene
Concen: 51.236 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN063741.D
Acq: 30 Sep 2020 11:12

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.9	103.9	155.9
129	100.4	80.3	120.5
131	98.6	78.9	118.3





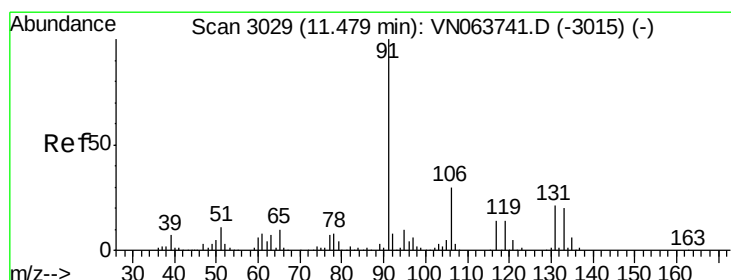
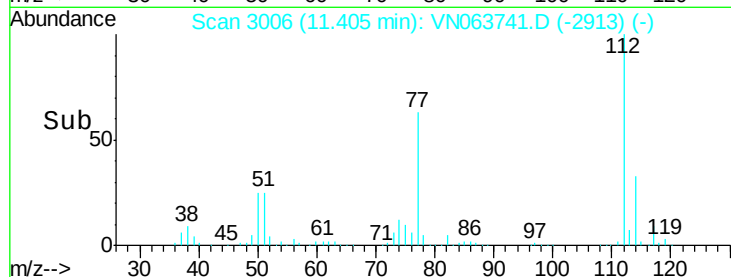
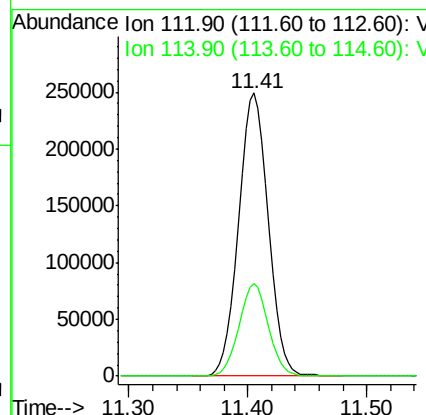
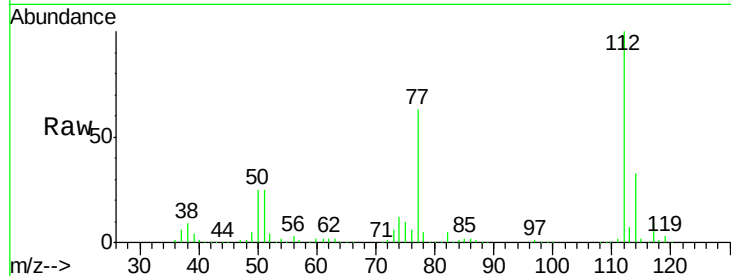
#65
Chlorobenzene
Concen: 46.854 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN063741.D
Acq: 30 Sep 2020 11:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion:112 Resp: 430358
Ion Ratio Lower Upper
112 100
114 32.6 26.1 39.1

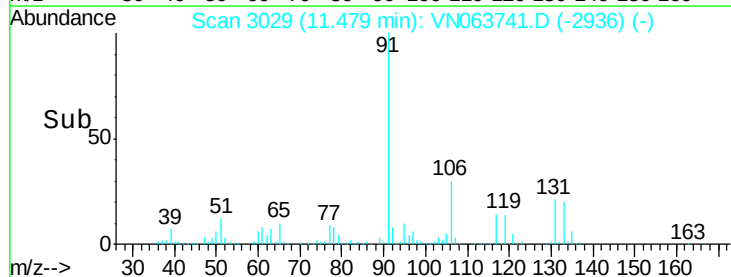
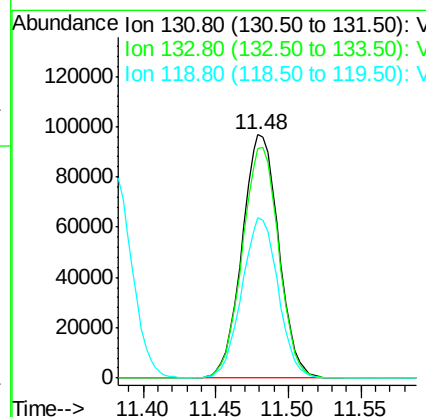
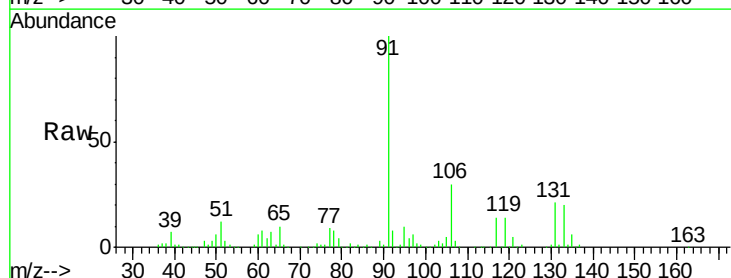
Manual Integrations
APPROVED

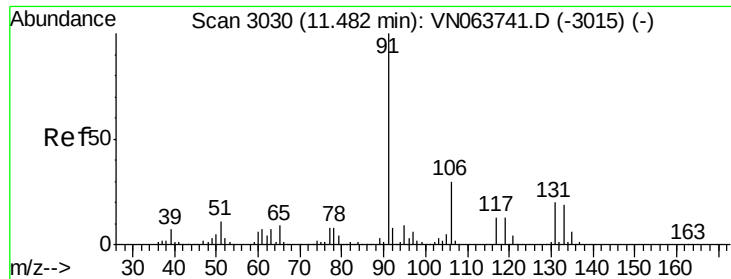
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.028 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN063741.D
Acq: 30 Sep 2020 11:12

Tgt Ion:131 Resp: 169869
Ion Ratio Lower Upper
131 100
133 94.5 47.3 141.8
119 65.1 32.6 97.7





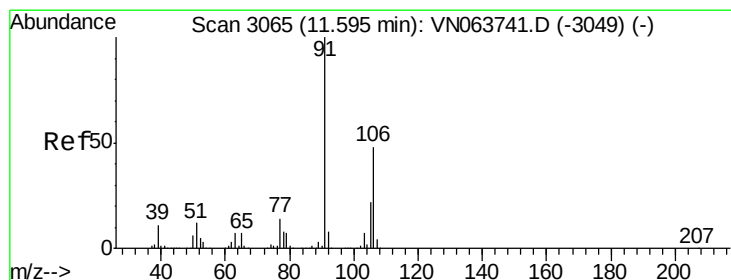
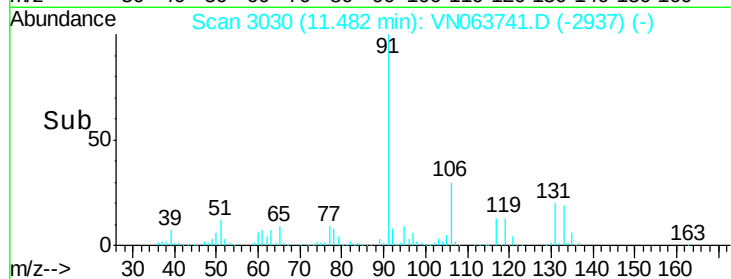
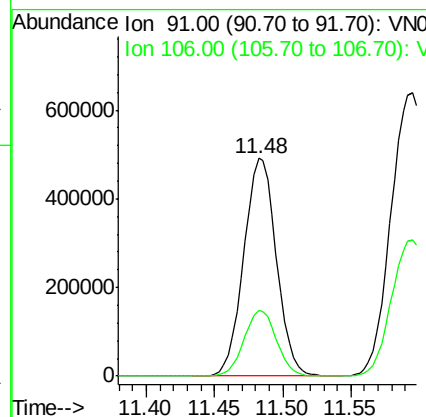
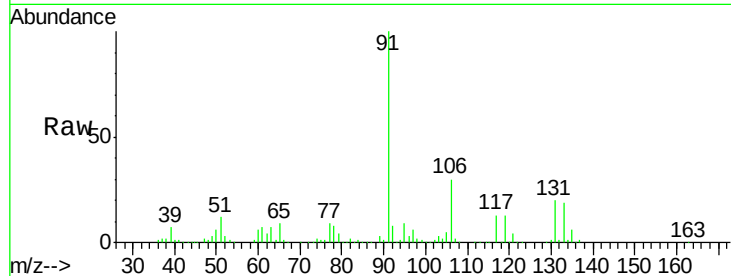
#67
Ethyl Benzene
Concen: 47.228 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN063741.D
Acq: 30 Sep 2020 11:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 817016
Ion Ratio Lower Upper
91 100
106 30.2 24.2 36.2

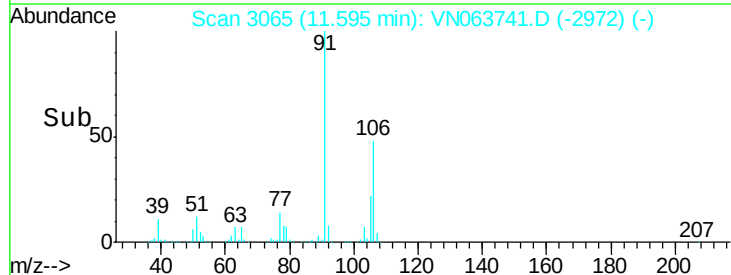
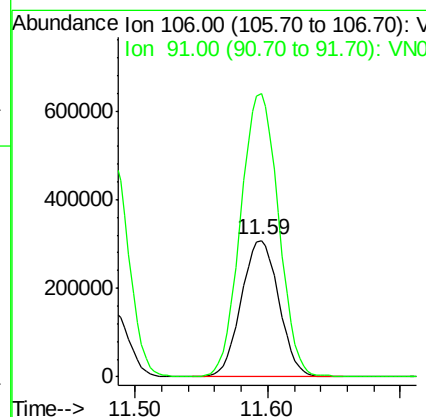
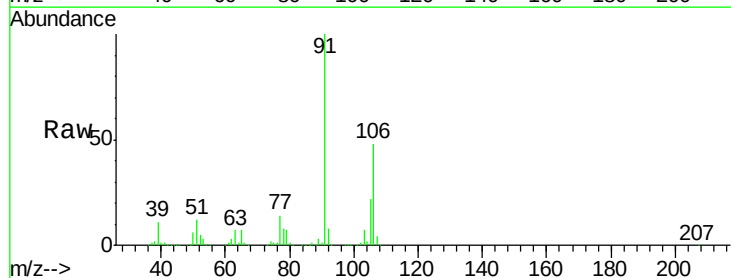
Manual Integrations
APPROVED

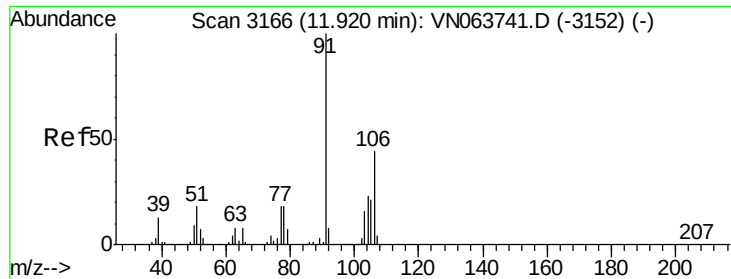
MMDadoda
10/1/2020 2:39:57 PM



#68
m/p-Xylenes
Concen: 96.539 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN063741.D
Acq: 30 Sep 2020 11:12

Tgt Ion: 106 Resp: 603740
Ion Ratio Lower Upper
106 100
91 210.0 168.0 252.0





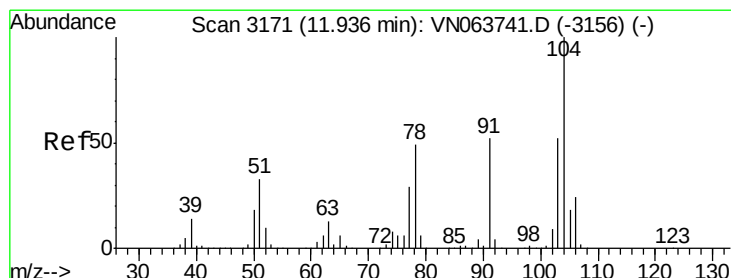
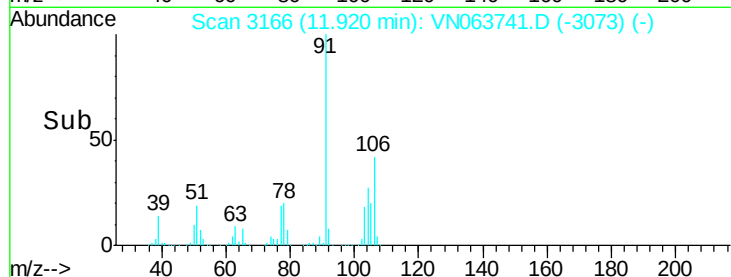
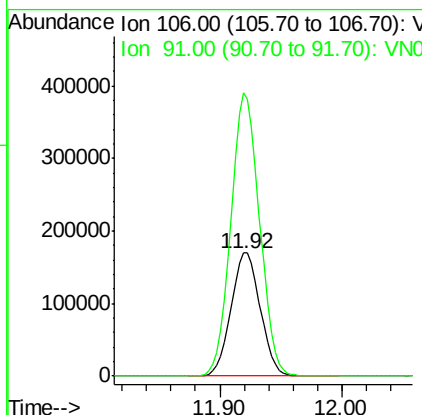
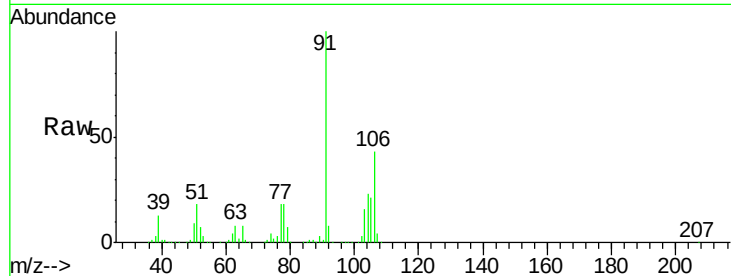
#69
o-Xylene
Concen: 47.817 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN063741.D
Acq: 30 Sep 2020 11:12

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		283998		
91	225.3	112.7	338.0		

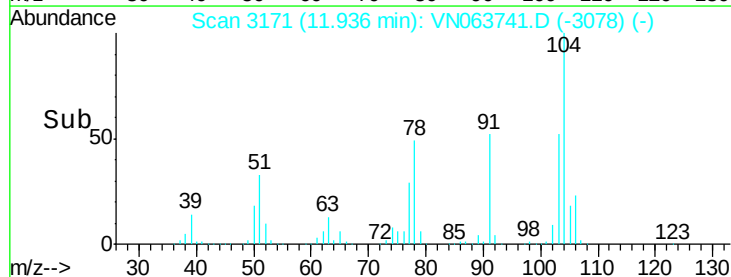
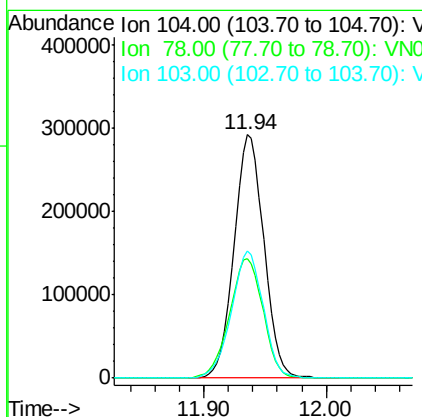
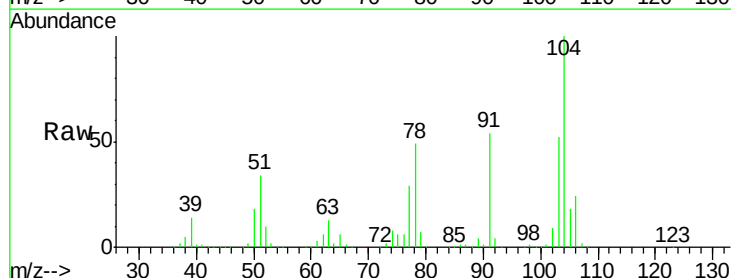
Manual Integrations
APPROVED

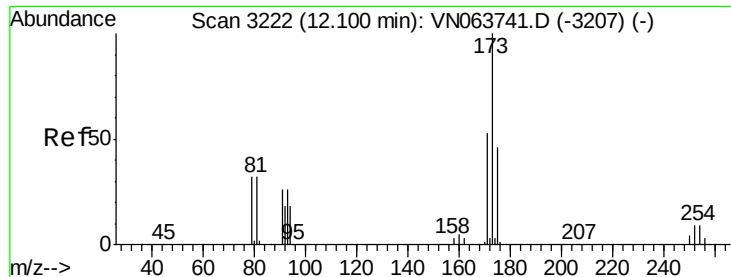
MMDadoda
10/1/2020 2:39:57 PM



#70
Styrene
Concen: 49.723 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. 0.00 min
Lab File: VN063741.D
Acq: 30 Sep 2020 11:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		495372		
78	55.1	44.1	66.1		
103	55.4	44.3	66.5		





#71

Bromoform

Concen: 52.226 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN063741.D

Acq: 30 Sep 2020 11:12

Instrument :

MSVOA_N

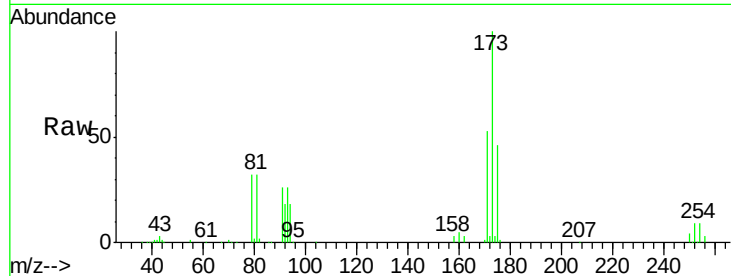
ClientSampled :

VSTDICCC050

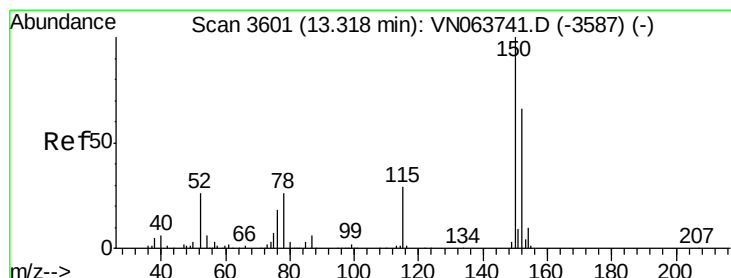
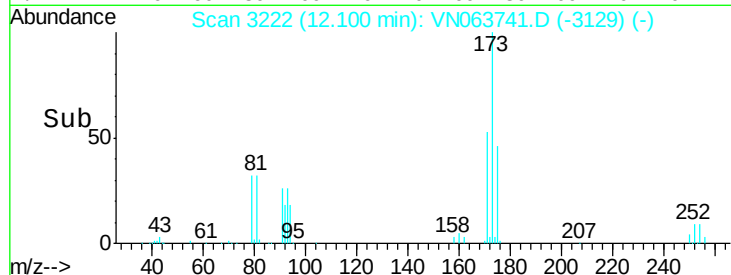
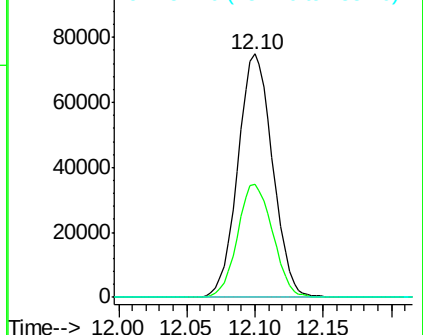
Tot Ion:173	Resp:	132517
Ion Ratio	Lower	Upper
173	100	
175	47.0	23.5 70.5
254	0.0	0.0 0.0

Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

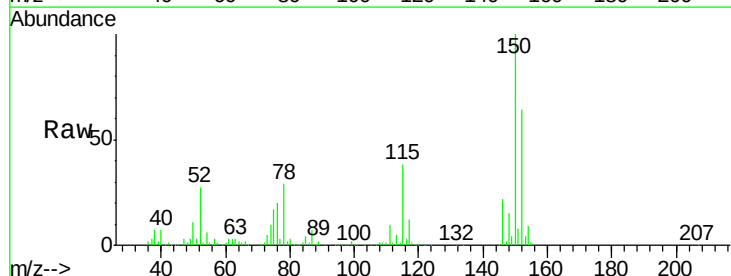
RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

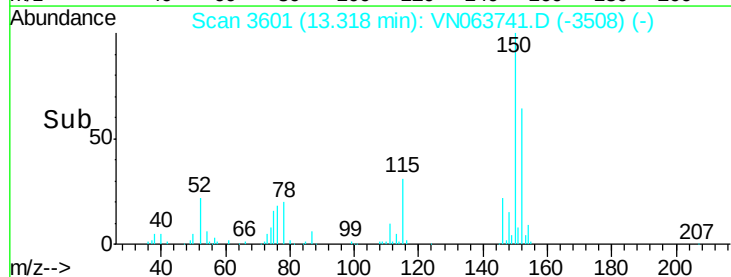
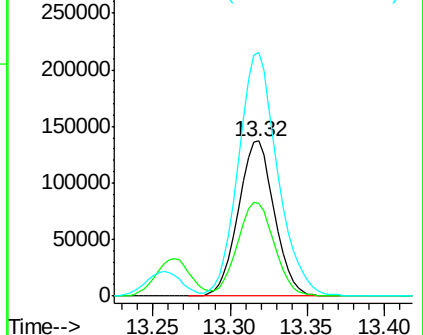
Lab File: VN063741.D

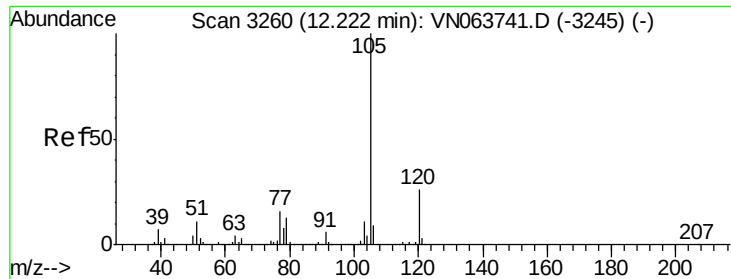
Acq: 30 Sep 2020 11:12

Tgt Ion:152	Resp:	221669
Ion Ratio	Lower	Upper
152	100	
115	62.5	31.3 93.8
150	170.9	0.0 341.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





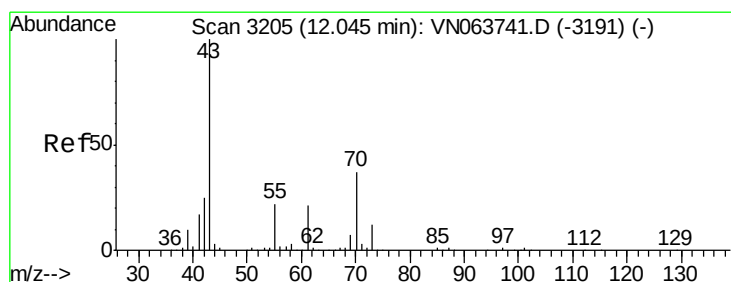
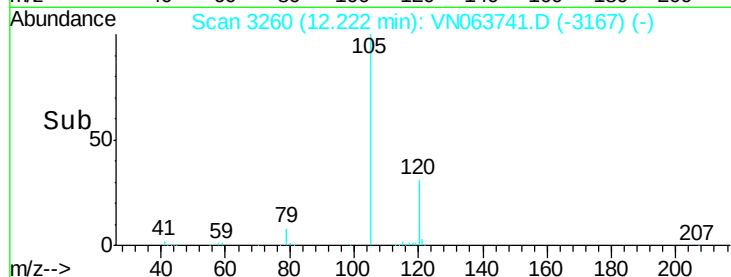
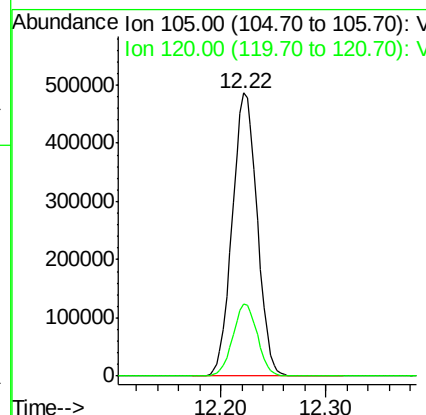
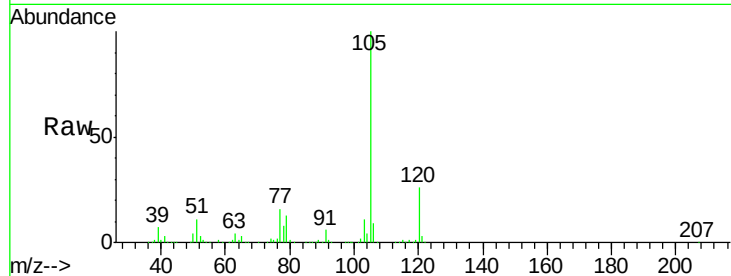
#73
Isopropylbenzene
Concen: 45.347 ug/l
RT: 12.22 min Scan# 3260
Delta R.T. 0.00 min
Lab File: VN063741.D
Acq: 30 Sep 2020 11:12

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.2	12.6	37.8

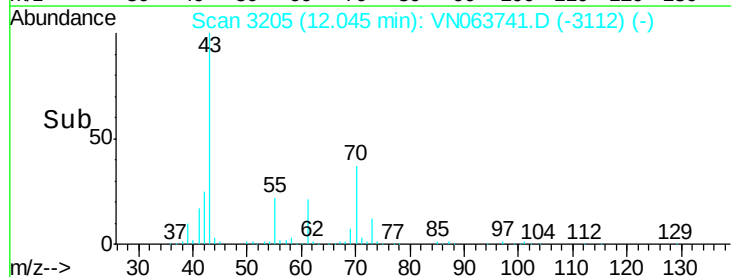
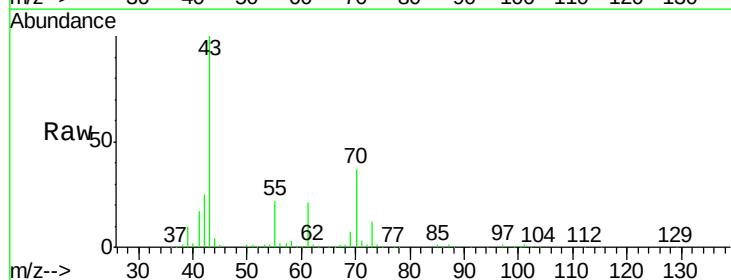
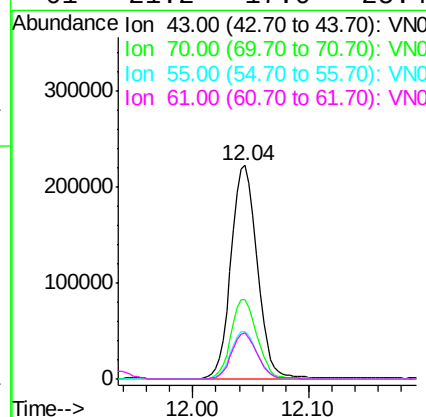
Manual Integrations
APPROVED

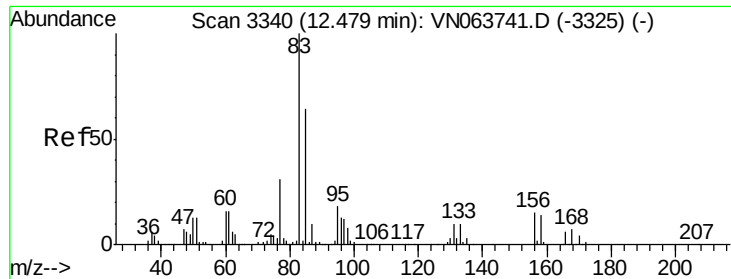
MMDadoda
10/1/2020 2:39:57 PM



#74
N-ethyl acetate
Concen: 42.761 ug/l
RT: 12.04 min Scan# 3205
Delta R.T. 0.00 min
Lab File: VN063741.D
Acq: 30 Sep 2020 11:12

Tgt Ion	Ratio	Lower	Upper
43	100		
70	37.3	29.8	44.8
55	22.4	17.9	26.9
61	21.2	17.0	25.4





#75

1,1,2,2-Tetrachloroethane

Concen: 43.951 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN063741.D

Acq: 30 Sep 2020 11:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 83 Resp: 237811

Ion Ratio Lower Upper

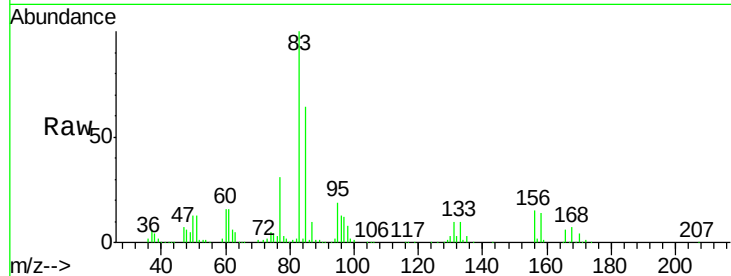
83 100

131 10.5 5.3 15.8

85 62.5 31.3 93.8

Manual Integrations
APPROVED

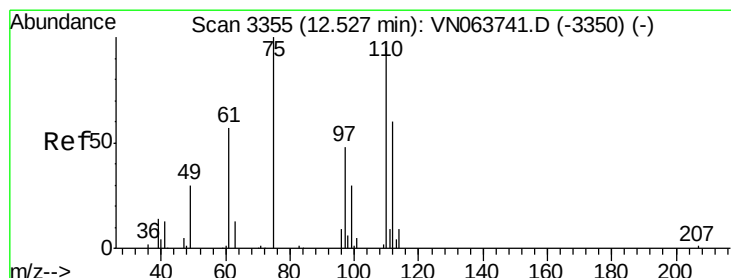
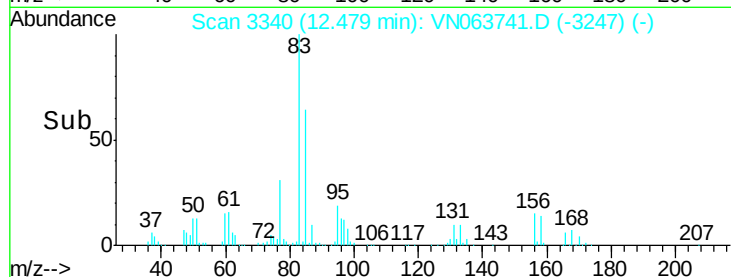
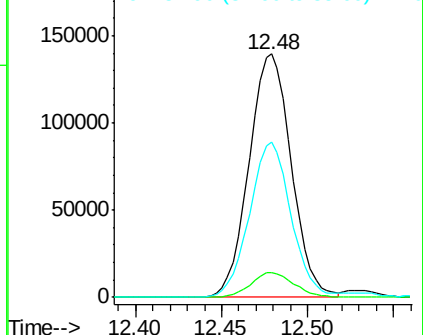
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Abundance Ion 82.90 (82.60 to 83.60): VN063741.D (-3325) (-)

Ion 130.80 (130.50 to 131.50): VN063741.D (-3325) (-)

Ion 84.90 (84.60 to 85.60): VN063741.D (-3325) (-)



#76

1,2,3-Trichloropropane

Concen: 40.757 ug/l m

RT: 12.53 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN063741.D

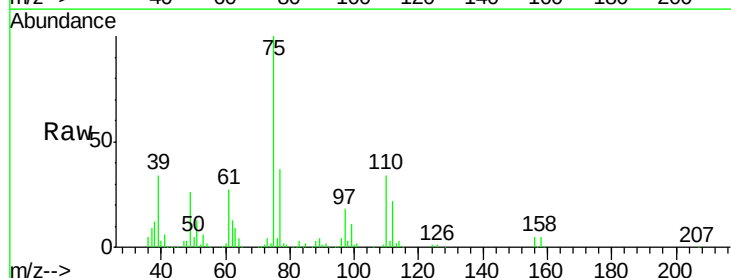
Acq: 30 Sep 2020 11:12

Tgt Ion: 75 Resp: 219877

Ion Ratio Lower Upper

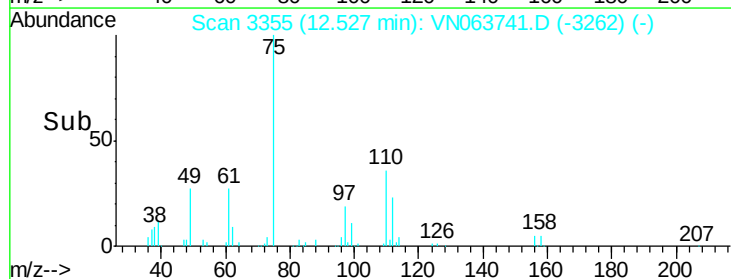
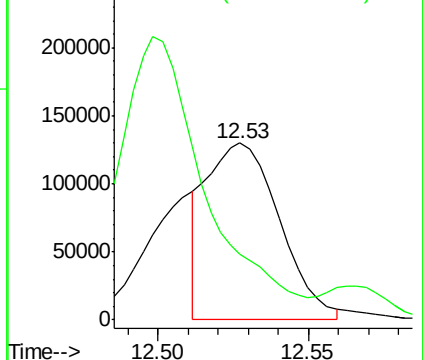
75 100

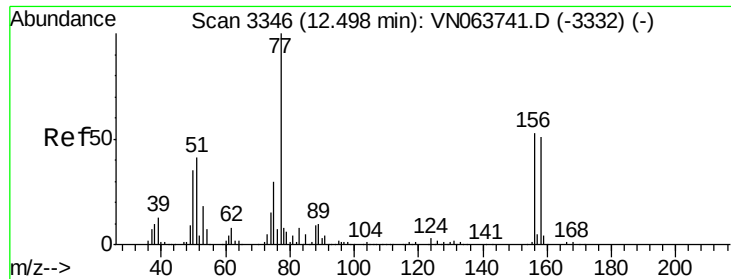
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN063741.D (-3350) (-)

Ion 77.00 (76.70 to 77.70): VN063741.D (-3350) (-)





#77

Bromobenzene

Concen: 47.860 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN063741.D

Acq: 30 Sep 2020 11:12

Instrument :

MSVOA_N

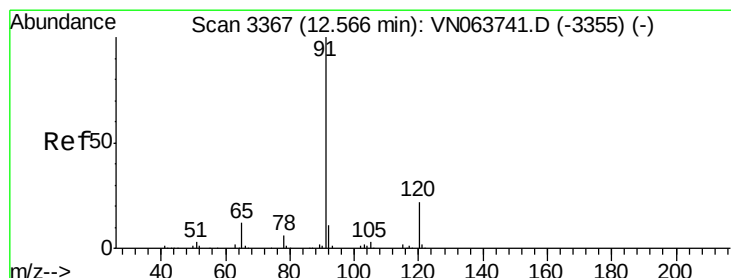
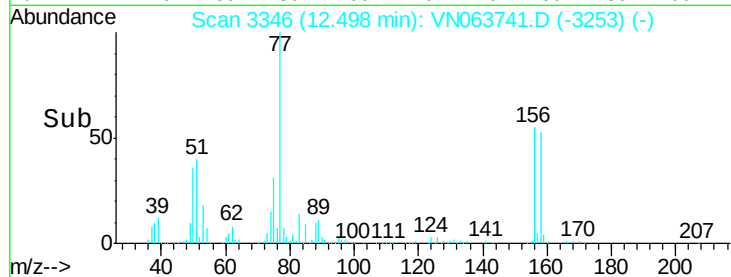
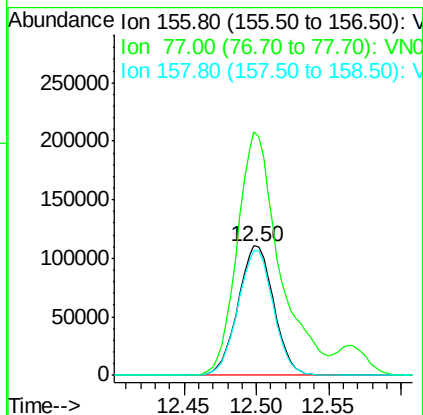
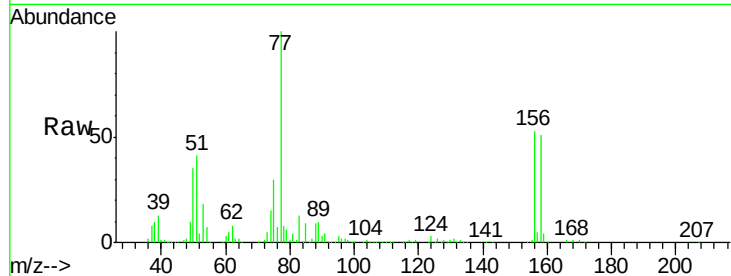
ClientSampled :

VSTDICCC050

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	221.8	110.9	332.7	
158	95.4	47.7	143.1	

Manual Integrations
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#78

n-propylbenzene

Concen: 44.729 ug/l

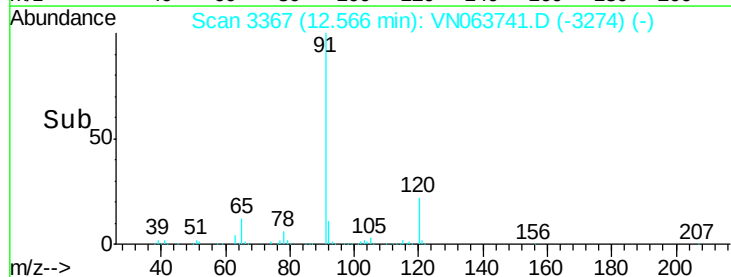
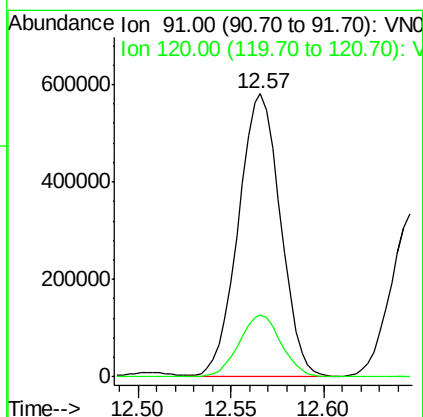
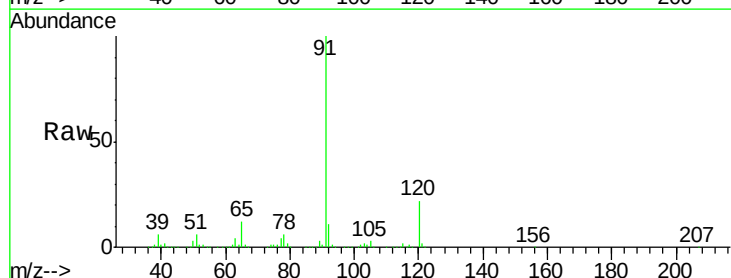
RT: 12.57 min Scan# 3367

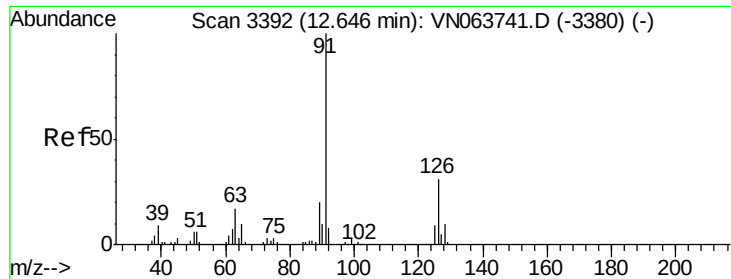
Delta R.T. 0.00 min

Lab File: VN063741.D

Acq: 30 Sep 2020 11:12

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	22.1	11.1	33.1	





#79

2-Chlorotoluene

Concen: 44.799 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN063741.D

Acq: 30 Sep 2020 11:12

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion: 91 Resp: 546946

Ion Ratio Lower Upper

91 100

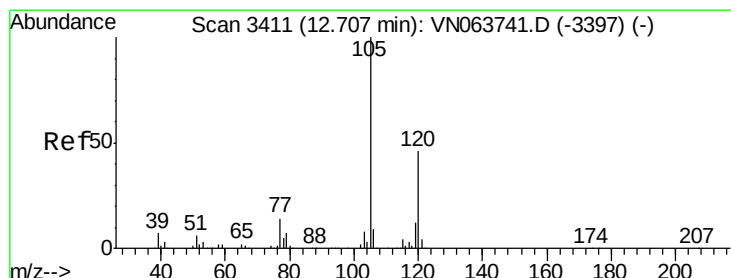
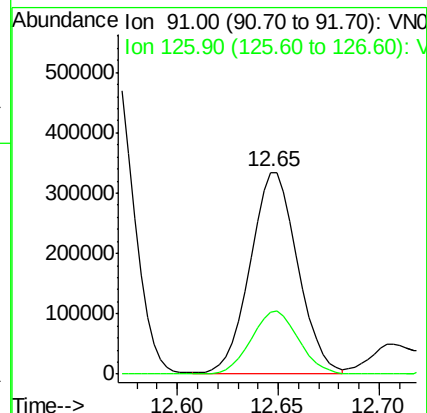
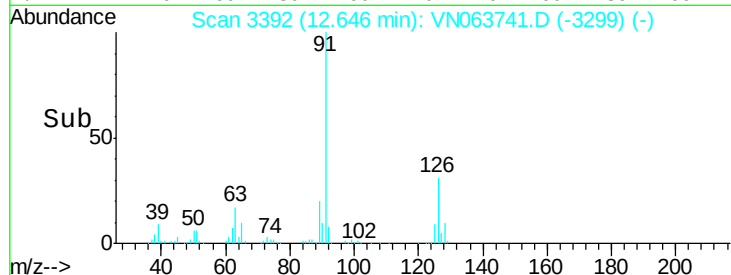
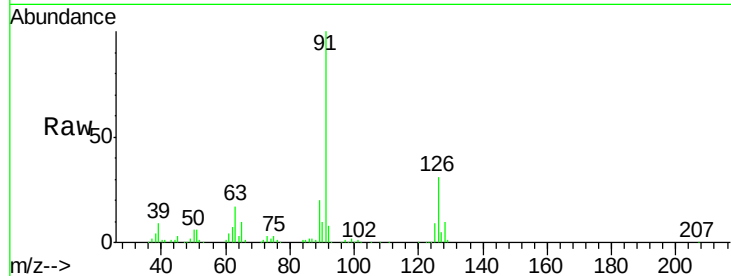
126 31.8 15.9 47.7

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 45.699 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN063741.D

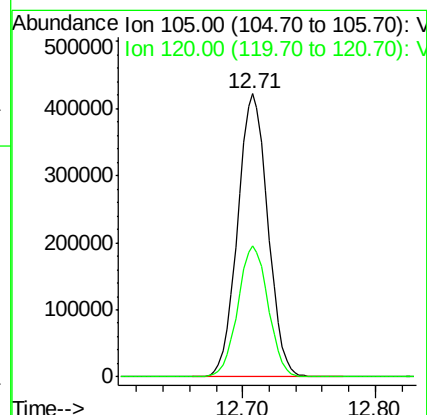
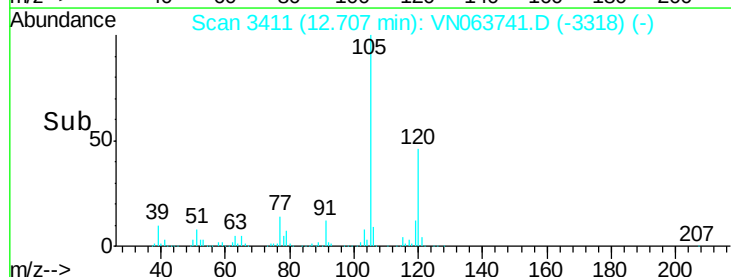
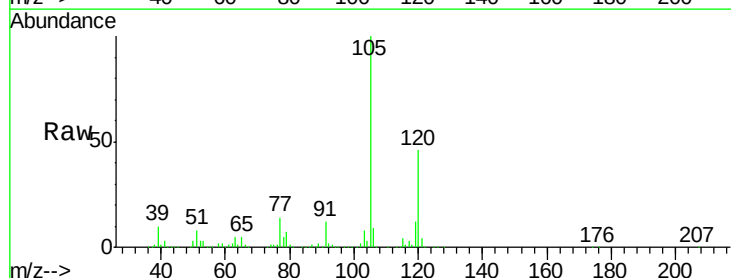
Acq: 30 Sep 2020 11:12

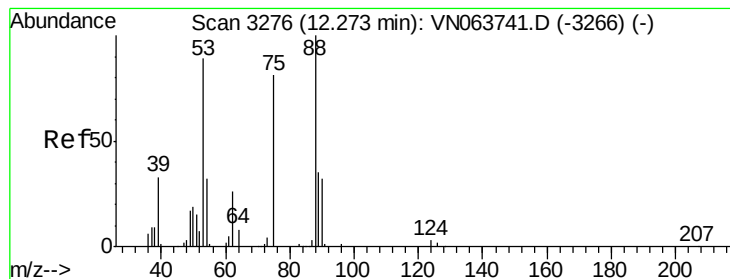
Tgt Ion:105 Resp: 664311

Ion Ratio Lower Upper

105 100

120 46.6 23.3 69.9





#81

trans-1,4-Dichloro-2-butene

Concen: 43.621 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. 0.00 min

Lab File: VN063741.D

Acq: 30 Sep 2020 11:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 75 Resp: 85360

Ion Ratio Lower Upper

75 100

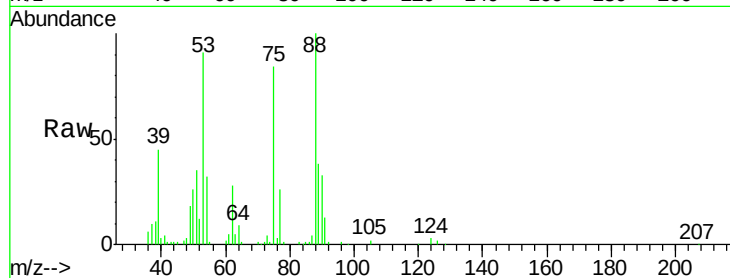
53 110.2 88.2 132.2

89 45.0 36.0 54.0

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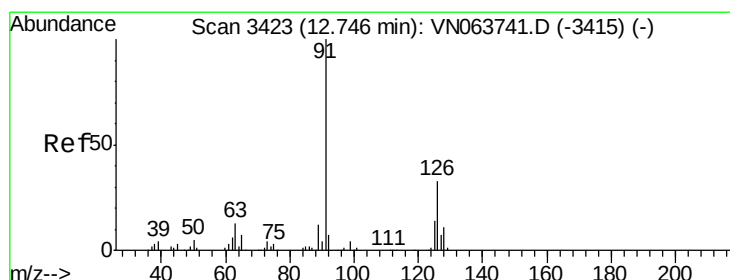
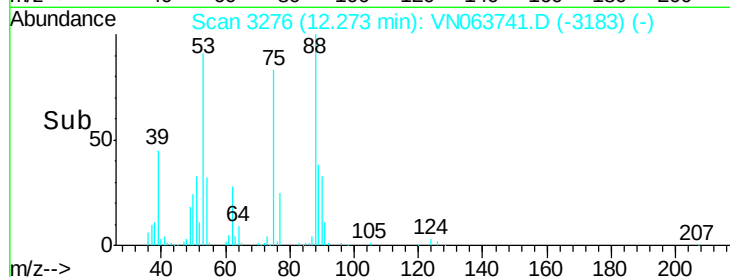
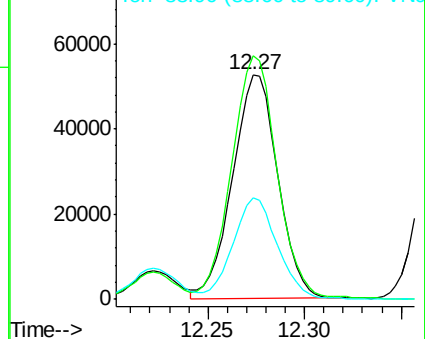
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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 44.988 ug/l

RT: 12.75 min Scan# 3423

Delta R.T. 0.00 min

Lab File: VN063741.D

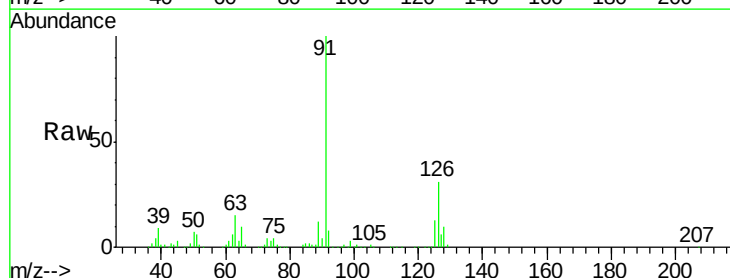
Acq: 30 Sep 2020 11:12

Tgt Ion: 91 Resp: 580984

Ion Ratio Lower Upper

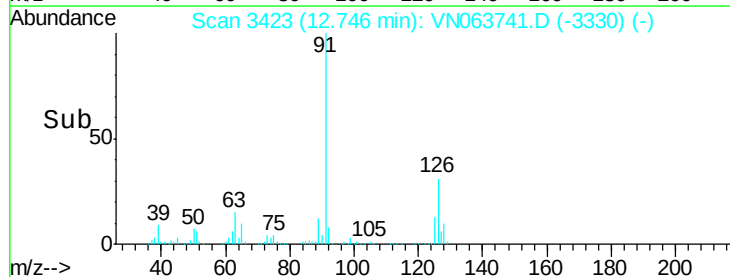
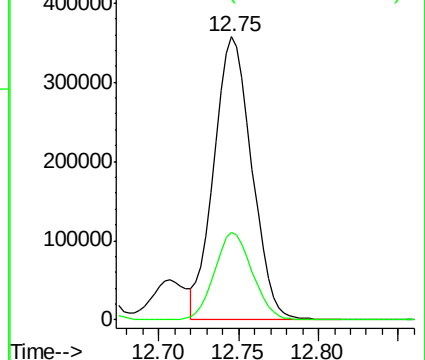
91 100

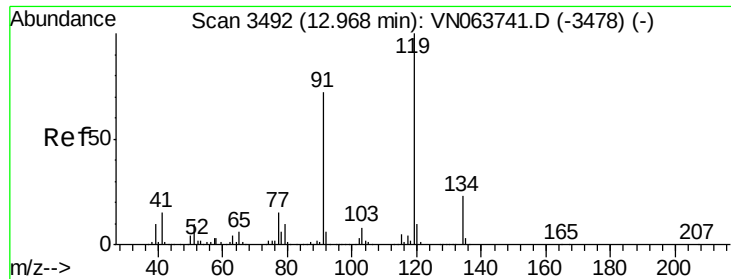
126 30.8 15.4 46.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





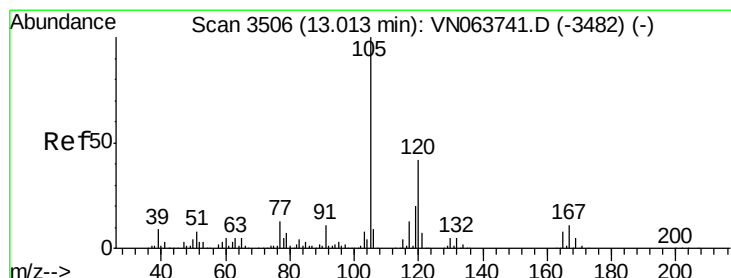
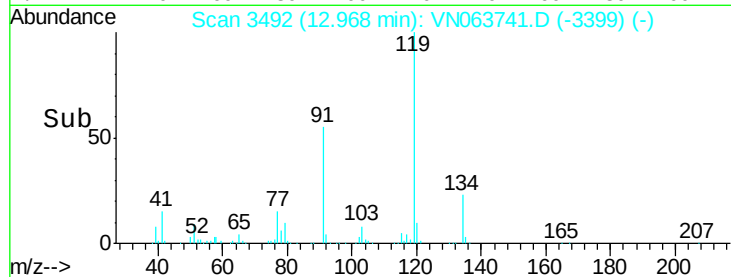
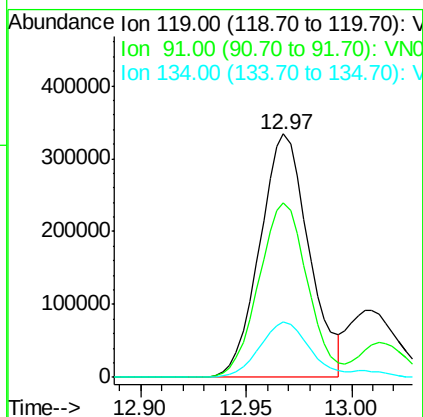
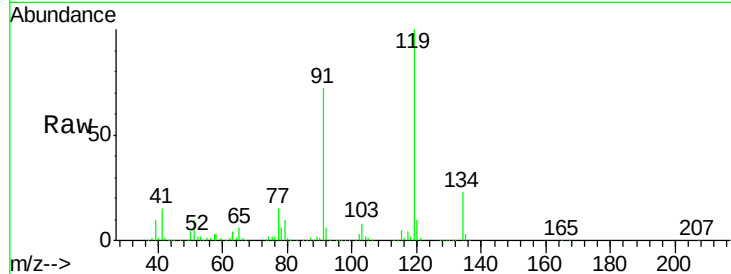
#83
 tert-Butylbenzene
 Concen: 45.076 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. 0.00 min
 Lab File: VN063741.D
 Acq: 30 Sep 2020 11:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	71.0	35.5	106.5
134	23.4	11.7	35.1

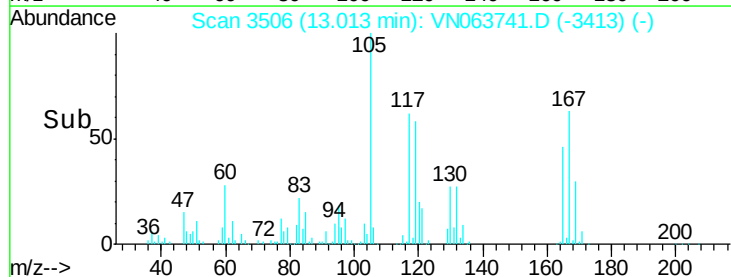
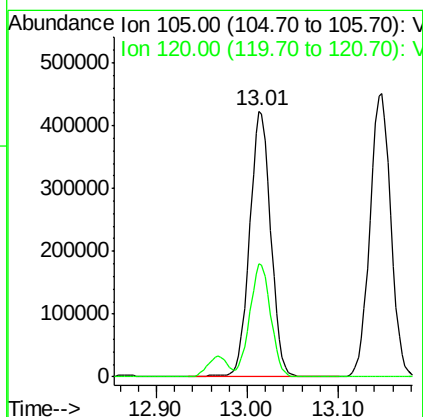
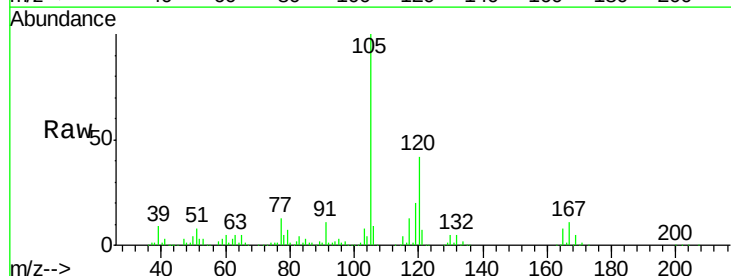
Manual Integrations
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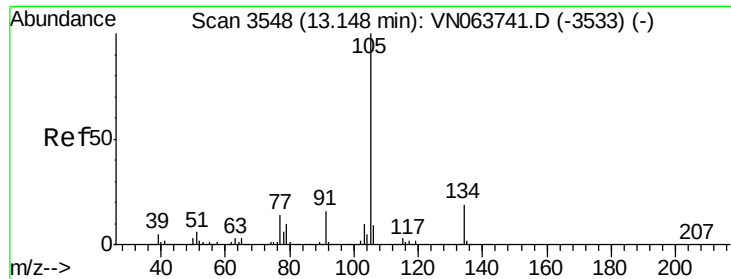
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#84
 1,2,4-Trimethylbenzene
 Concen: 46.399 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN063741.D
 Acq: 30 Sep 2020 11:12

Tgt Ion	Ratio	Lower	Upper
105	100		
120	41.8	20.9	62.7





#85

sec-Butylbenzene

Concen: 44.530 ug/l

RT: 13.15 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN063741.D

Acq: 30 Sep 2020 11:12

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion:105 Resp: 714700

Ion Ratio Lower Upper

105 100

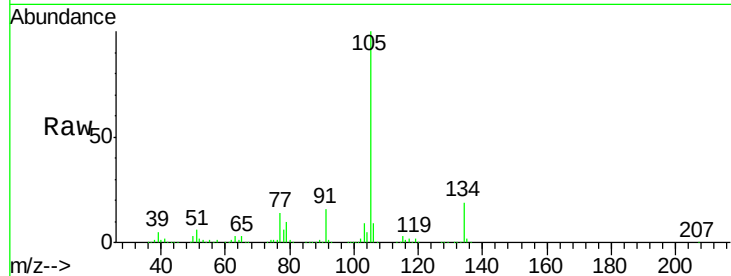
134 19.0 9.5 28.5

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.15

500000

400000

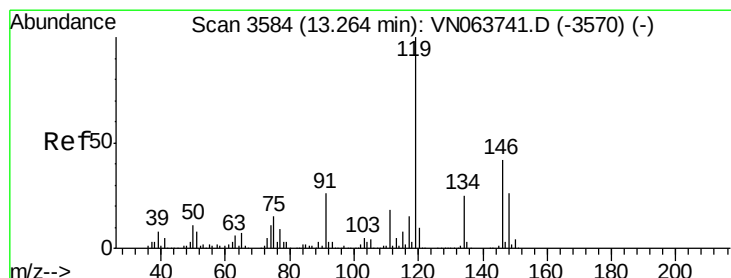
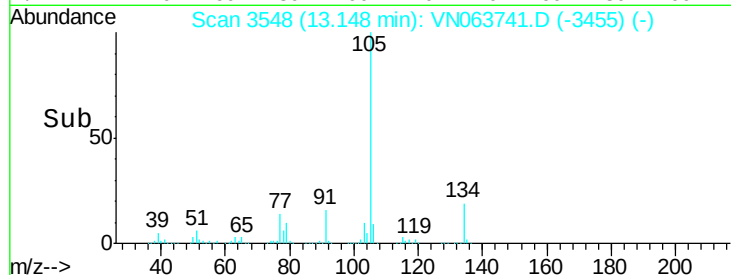
300000

200000

100000

0

Time--> 13.05 13.10 13.15 13.20



#86

p-Isopropyltoluene

Concen: 45.687 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN063741.D

Acq: 30 Sep 2020 11:12

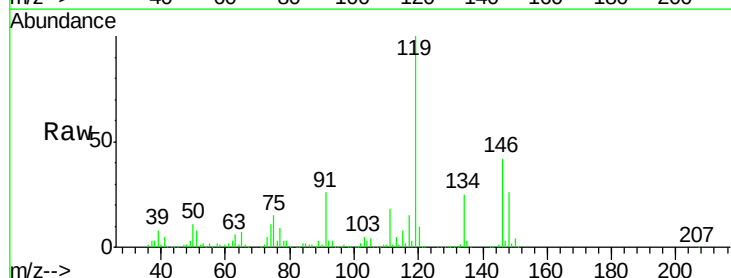
Tgt Ion:119 Resp: 647222

Ion Ratio Lower Upper

119 100

134 25.2 12.6 37.8

91 26.8 13.4 40.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.26

500000

400000

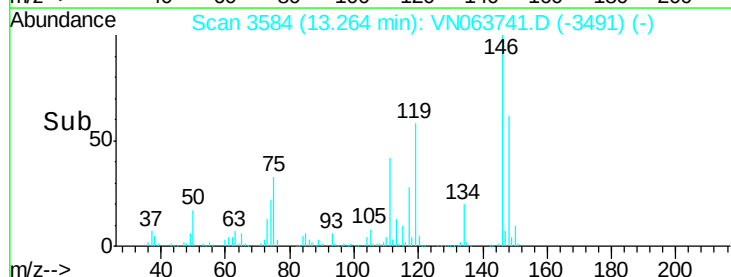
300000

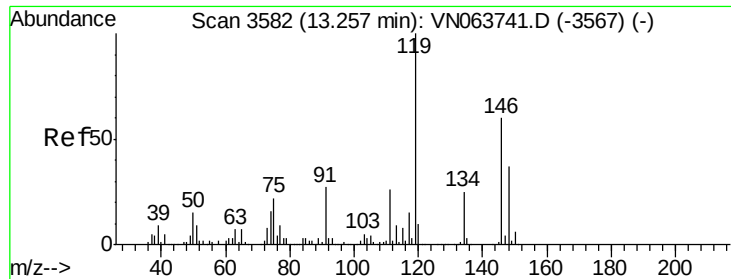
200000

100000

0

Time--> 13.20 13.25 13.30





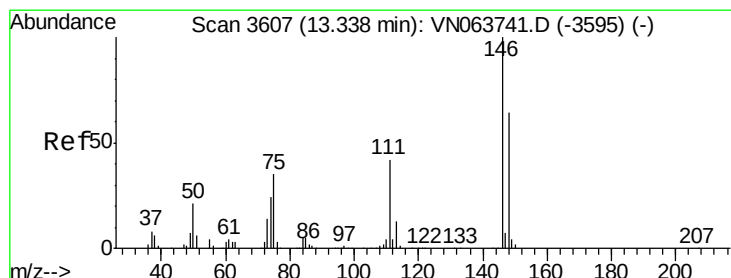
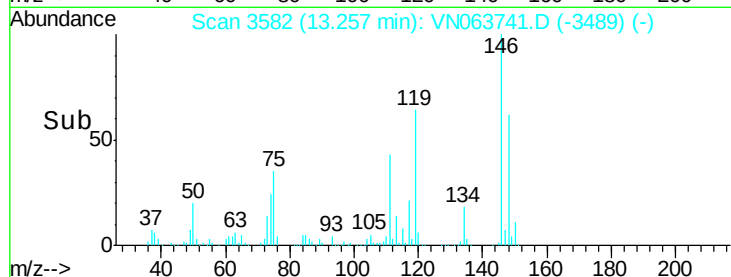
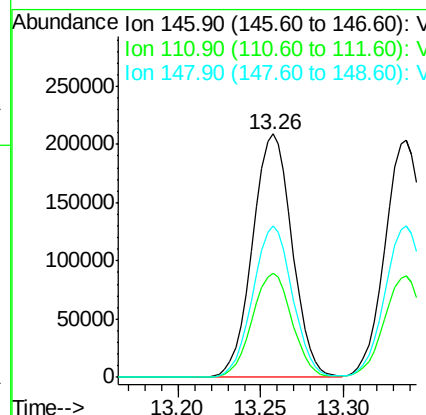
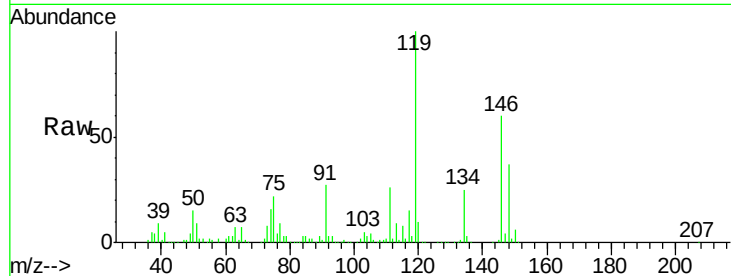
#87
 1,3-Dichlorobenzene
 Concen: 47.248 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN063741.D
 Acq: 30 Sep 2020 11:12

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.5	64.5
148	62.2	31.1	93.3

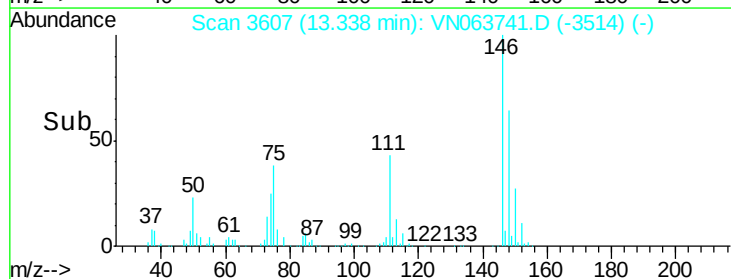
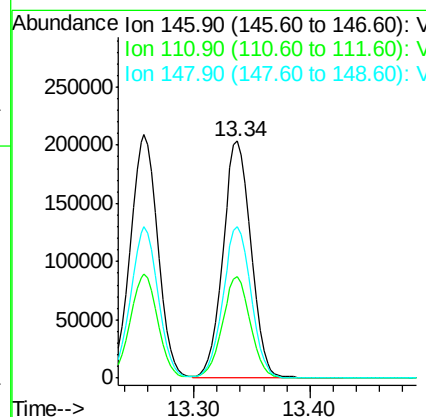
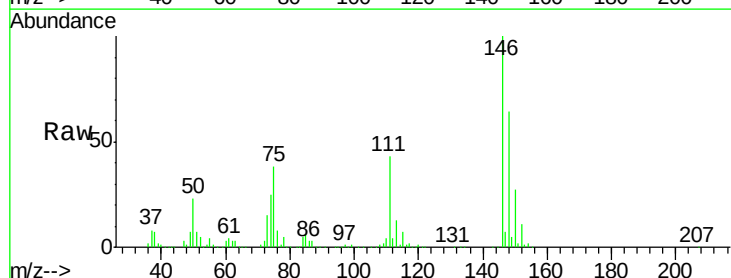
Manual Integrations
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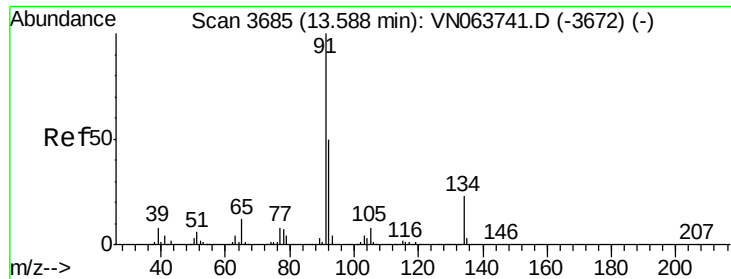
MMDadoda
 10/1/2020 2:39:57 PM



#88
 1,4-Dichlorobenzene
 Concen: 46.142 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN063741.D
 Acq: 30 Sep 2020 11:12

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





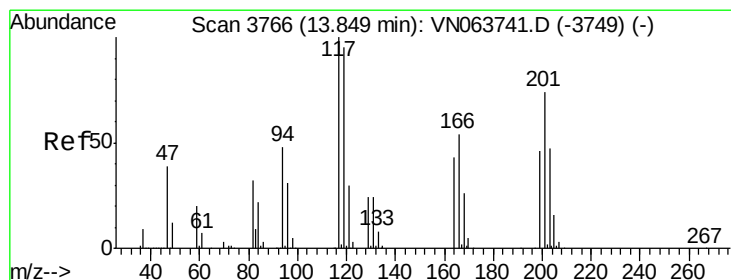
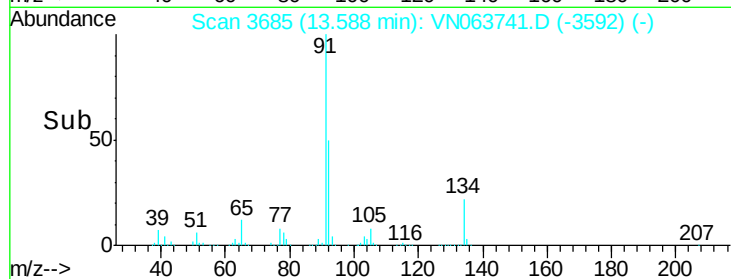
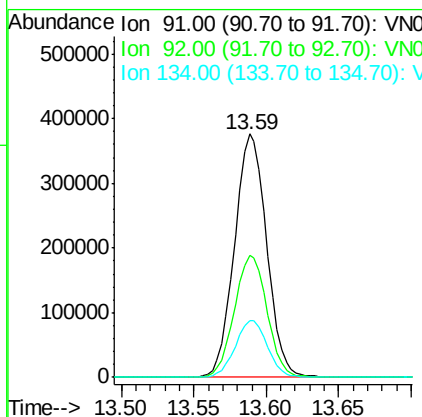
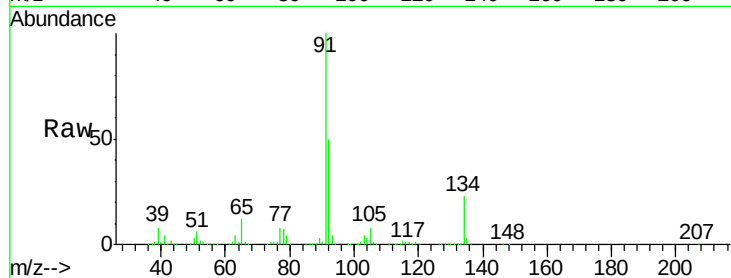
#89
n-Butylbenzene
Concen: 44.576 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN063741.D
Acq: 30 Sep 2020 11:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.9	25.4	76.4
134	23.4	11.7	35.1

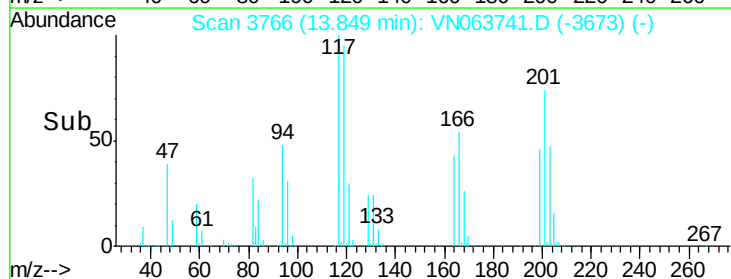
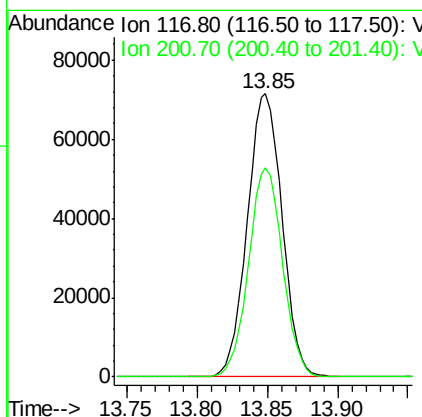
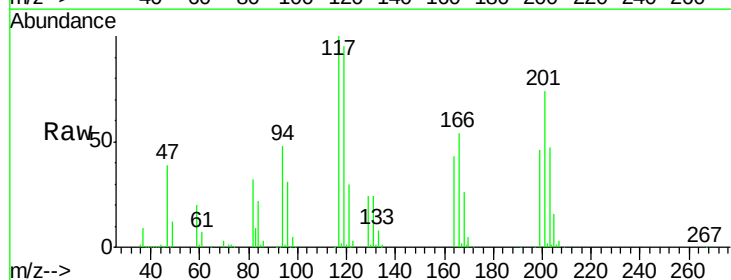
Manual Integrations
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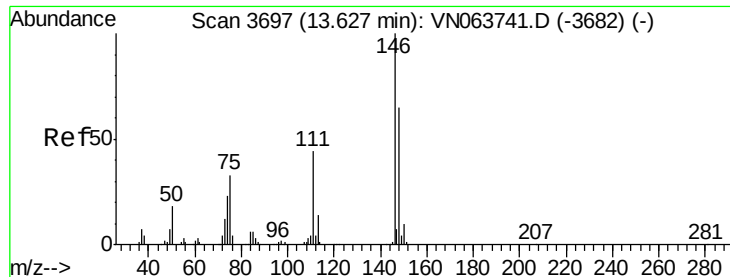
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#90
Hexachloroethane
Concen: 45.622 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN063741.D
Acq: 30 Sep 2020 11:12

Tgt Ion	Ratio	Lower	Upper
117	100		
201	72.0	36.0	108.0





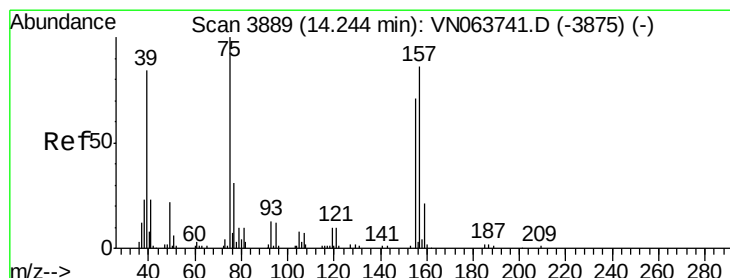
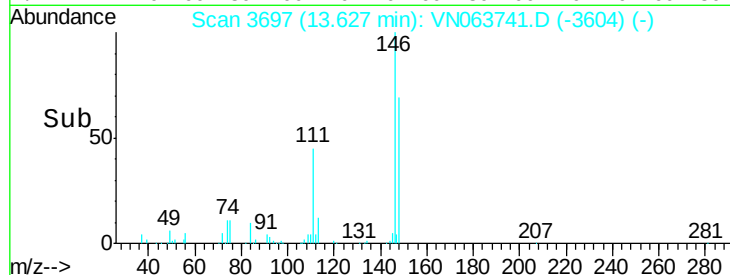
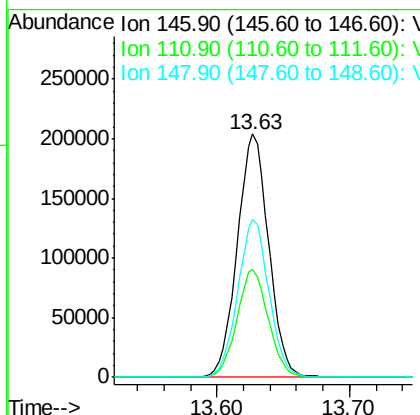
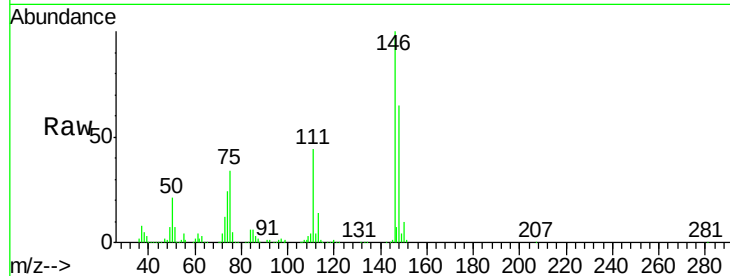
#91
 1,2-Dichlorobenzene
 Concen: 46.677 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN063741.D
 Acq: 30 Sep 2020 11:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.4	22.2	66.6
148	64.9	32.5	97.4

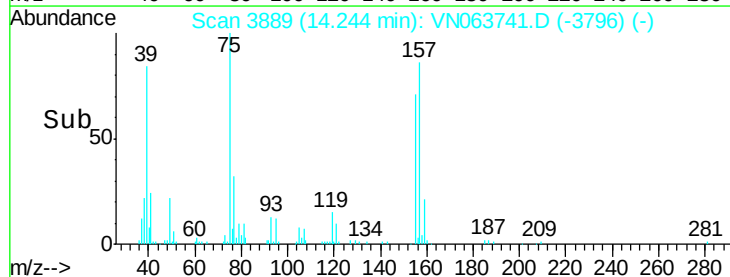
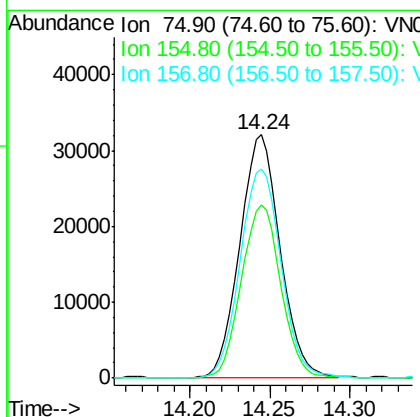
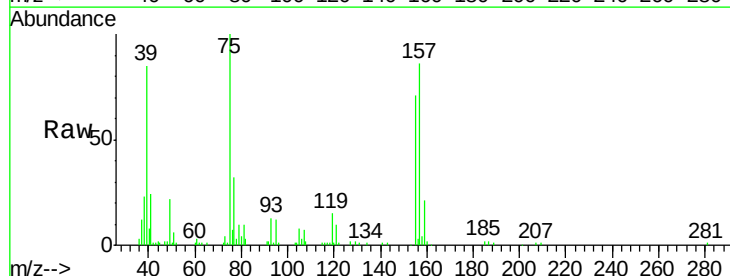
Manual Integrations
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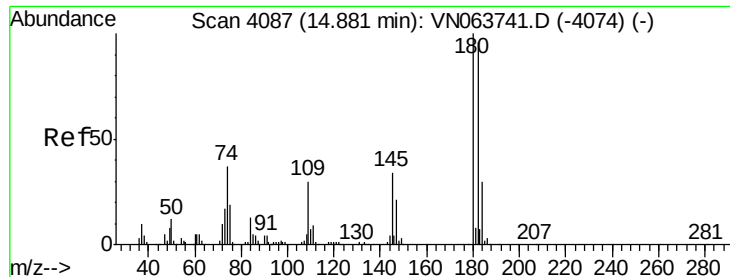
MMDadoda
 10/1/2020 2:39:57 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 43.371 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN063741.D
 Acq: 30 Sep 2020 11:12

Tgt Ion	Ratio	Lower	Upper
75	100		
155	69.7	34.8	104.5
157	87.4	43.7	131.1





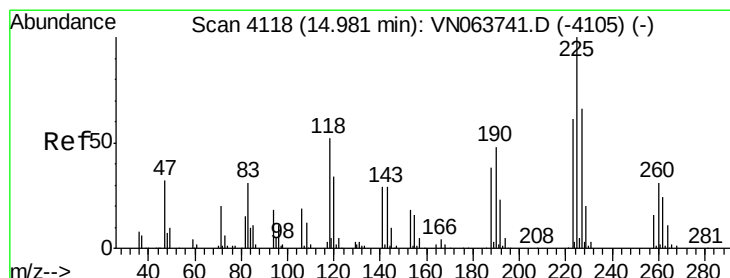
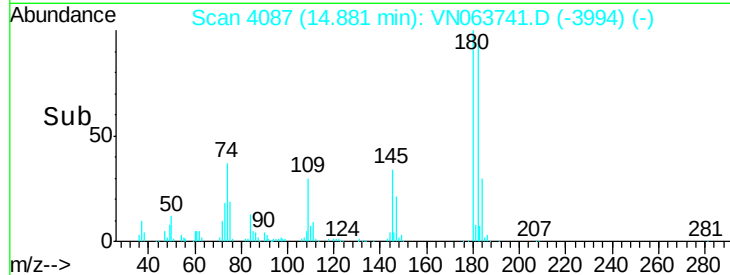
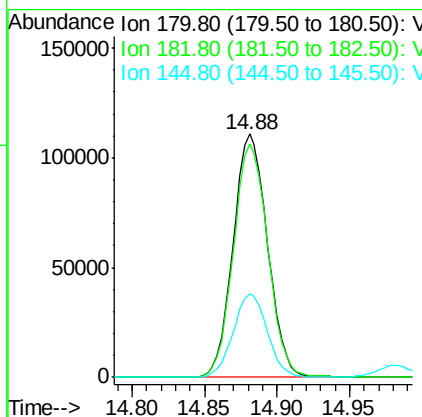
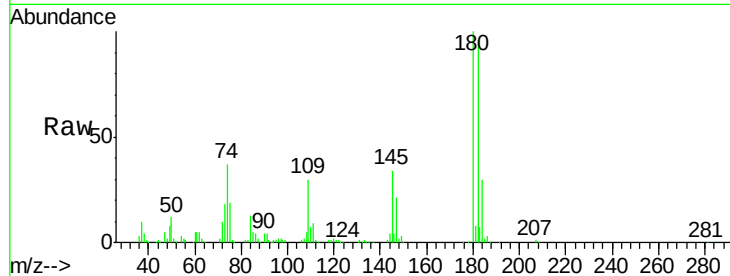
#93
 1,2,4-Trichlorobenzene
 Concen: 43.859 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN063741.D
 Acq: 30 Sep 2020 11:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	182177		
182	96.4	48.2	144.6	
145	34.1	17.1	51.2	

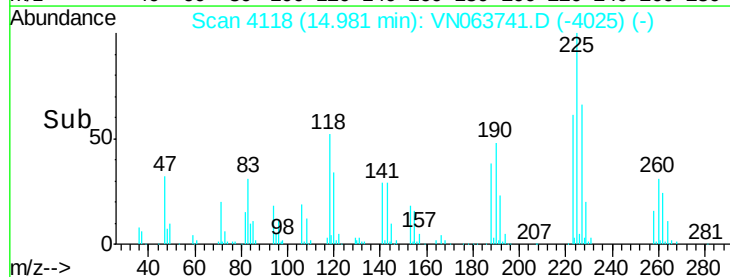
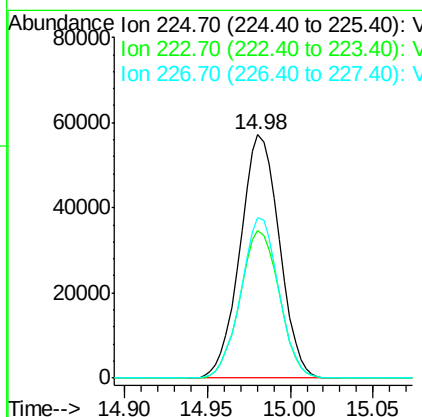
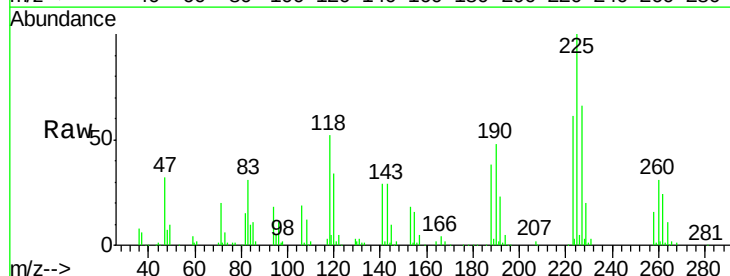
Manual Integrations
 APPROVED

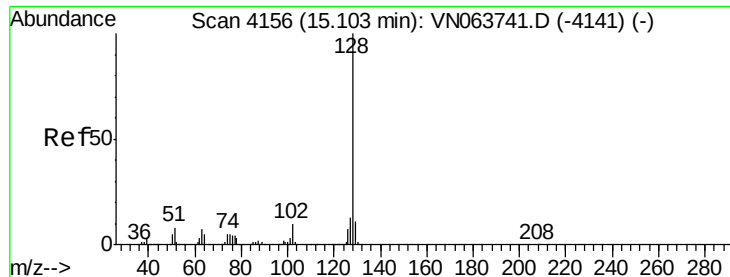
MMDadoda
 10/1/2020 2:39:57 PM



#94
 Hexachlorobutadiene
 Concen: 52.502 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN063741.D
 Acq: 30 Sep 2020 11:12

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	93953		
223	60.7	30.3	91.0	
227	63.7	31.9	95.5	





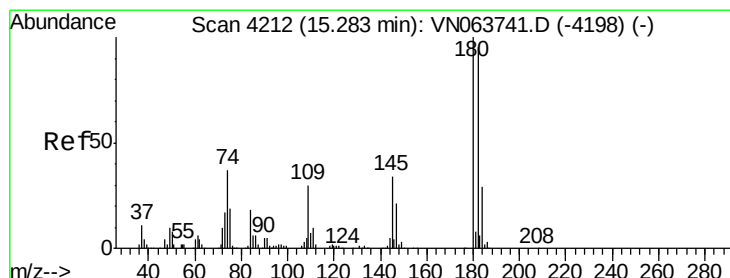
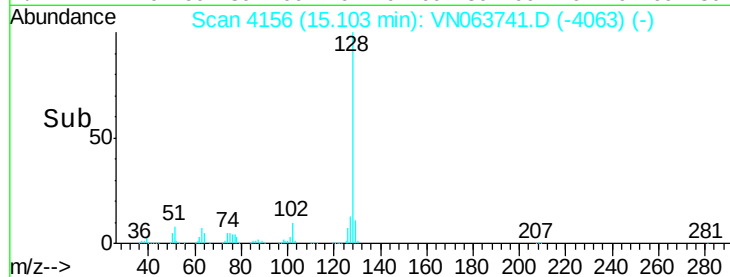
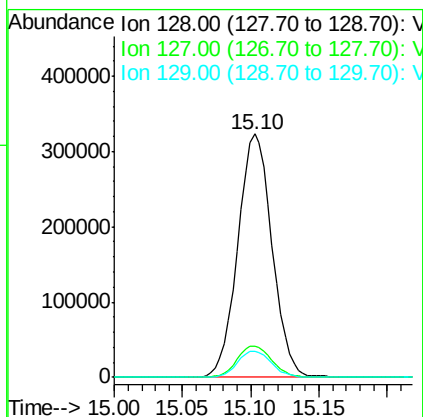
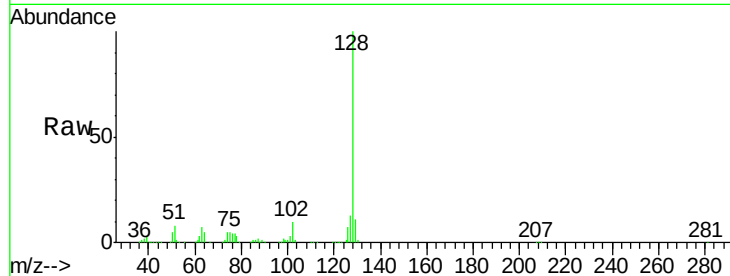
#95
Naphthalene
Concen: 41.460 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN063741.D
Acq: 30 Sep 2020 11:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
10/1/2020 2:39:57 PM



#96
1,2,3-Trichlorobenzene
Concen: 43.910 ug/l
RT: 15.28 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN063741.D
Acq: 30 Sep 2020 11:12

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.9	143.6
145	34.3	17.2	51.5

