

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100120\
 Data File : VN063763.D
 Acq On : 1 Oct 2020 11:04
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/2/2020 3:11:12 PM

Quant Time: Oct 02 02:24:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 01:46:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	285826	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	474448	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	442193	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	214850	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	220351	46.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.32%	
35) Dibromofluoromethane	7.54	113	155187	47.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.28%	
50) Toluene-d8	10.06	98	576843	46.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.44%	
62) 4-Bromofluorobenzene	12.38	95	225195	48.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	141167	46.807	ug/l	98
3) Chloromethane	2.04	50	157880	44.614	ug/l	100
4) Vinyl Chloride	2.16	62	155955	43.903	ug/l	100
5) Bromomethane	2.53	94	94837	42.445	ug/l	100
6) Chloroethane	2.67	64	99517	46.884	ug/l	99
7) Trichlorofluoromethane	2.98	101	266017	47.218	ug/l	96
8) Diethyl Ether	3.37	74	91799	48.180	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	143340	47.603	ug/l	99
10) Methyl Iodide	3.91	142	162835	46.574	ug/l	97
11) Tert butyl alcohol	4.73	59	129491	248.386	ug/l	100
12) 1,1-Dichloroethene	3.70	96	135496	47.076	ug/l	98
13) Acrolein	3.57	56	79337	247.957	ug/l	98
14) Allyl chloride	4.28	41	257875	48.227	ug/l	99
15) Acrylonitrile	4.93	53	355128	237.978	ug/l	98
16) Acetone	3.77	43	344417	236.941	ug/l	99
17) Carbon Disulfide	4.01	76	365325	47.004	ug/l	98
18) Methyl Acetate	4.27	43	177223	46.958	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	514512	49.204	ug/l	100
20) Methylene Chloride	4.50	84	160156	48.107	ug/l	99
21) trans-1,2-Dichloroethene	4.99	96	148404	46.033	ug/l	94
22) Diisopropyl ether	5.90	45	538158	48.917	ug/l	95
23) Vinyl Acetate	5.84	43	2307434	253.198	ug/l	100
24) 1,1-Dichloroethane	5.79	63	299076	47.545	ug/l	99
25) 2-Butanone	6.78	43	508160	246.579	ug/l	99
26) 2,2-Dichloropropane	6.77	77	269526	46.789	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	177601	47.900	ug/l	99
28) Bromochloromethane	7.15	49	153464	49.361	ug/l	99
29) Tetrahydrofuran	7.16	42	333923	241.589	ug/l	99
30) Chloroform	7.33	83	315350	48.081	ug/l	95
31) Cyclohexane	7.61	56	248069	45.251	ug/l	97
32) 1,1,1-Trichloroethane	7.53	97	290752	49.148	ug/l	100
36) 1,1-Dichloropropene	7.75	75	229900	47.830	ug/l	98
37) Ethyl Acetate	6.88	43	211787	44.349	ug/l	99
38) Carbon Tetrachloride	7.73	117	252688	46.882	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	218911	45.670	ug/l	98
40) Benzene	8.00	78	649186	47.286	ug/l	100
41) Methacrylonitrile	7.12	41	88589m	41.740	ug/l	
42) 1,2-Dichloroethane	8.08	62	277633	47.375	ug/l	100
43) Isopropyl Acetate	8.12	43	385808	48.980	ug/l	99
44) Trichloroethene	8.80	130	169069	47.001	ug/l	96
45) 1,2-Dichloropropane	9.08	63	176436	47.586	ug/l	99
46) Dibromomethane	9.17	93	121265	47.410	ug/l	99
47) Bromodichloromethane	9.37	83	256511	48.660	ug/l	100
48) Methyl methacrylate	9.16	41	198554	51.020	ug/l	96
49) 1,4-Dioxane	9.16	88	53289	963.472	ug/l	95
51) 4-Methyl-2-Pentanone	9.95	43	1151841	249.180	ug/l	100
52) Toluene	10.12	92	415040	48.875	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	280155	49.579	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	298459	50.504	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	165963	48.734	ug/l	99
56) Ethyl methacrylate	10.40	69	245605	50.880	ug/l	99
57) 1,3-Dichloropropane	10.68	76	284472	49.374	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	663320	256.891	ug/l	98
59) 2-Hexanone	10.72	43	845009	246.079	ug/l	100
60) Dibromochloromethane	10.87	129	190815	48.113	ug/l	100
61) 1,2-Dibromoethane	10.98	107	172695	49.574	ug/l	100
64) Tetrachloroethene	10.60	164	153133	44.761	ug/l	98
65) Chlorobenzene	11.41	112	439545	48.457	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	169795	48.827	ug/l	98
67) Ethyl Benzene	11.48	91	828113	50.172	ug/l	100
68) m/p-Xylenes	11.60	106	603177	98.053	ug/l	98
69) o-Xylene	11.92	106	289753	50.395	ug/l	99
70) Styrene	11.94	104	502605	51.497	ug/l	100
71) Bromoform	12.10	173	129220	48.586	ug/l #	98
73) Isopropylbenzene	12.22	105	774482	49.421	ug/l	99
74) N-amyl acetate	12.05	43	348857	47.989	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	235651	49.175	ug/l	97
76) 1,2,3-Trichloropropane	12.53	75	216255m	45.661	ug/l	
77) Bromobenzene	12.50	156	189904	49.386	ug/l	99
78) n-propylbenzene	12.57	91	897222	49.195	ug/l	99
79) 2-Chlorotoluene	12.65	91	554497	49.435	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	652834	49.656	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	83535	50.800	ug/l	99
82) 4-Chlorotoluene	12.75	91	582219	50.001	ug/l	99
83) tert-Butylbenzene	12.97	119	518819	48.244	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	655189	49.915	ug/l	97
85) sec-Butylbenzene	13.14	105	686172	48.579	ug/l	99
86) p-Isopropyltoluene	13.26	119	623925	49.931	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	339914	48.862	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	341663	47.170	ug/l	99
89) n-Butylbenzene	13.59	91	544725	47.232	ug/l	100
90) Hexachloroethane	13.85	117	112340	46.395	ug/l	97
91) 1,2-Dichlorobenzene	13.63	146	333999	48.474	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	54161	48.194	ug/l	97

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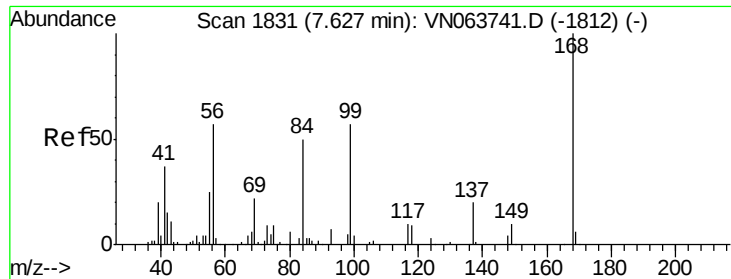
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	167831	44.975	ug/l	96
94) Hexachlorobutadiene	14.98	225	89954	48.152	ug/l	96
95) Naphthalene	15.10	128	521334	45.164	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	154480	42.745	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN063763.D

Acq: 1 Oct 2020 11:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 285826

Ion Ratio Lower Upper

168 100

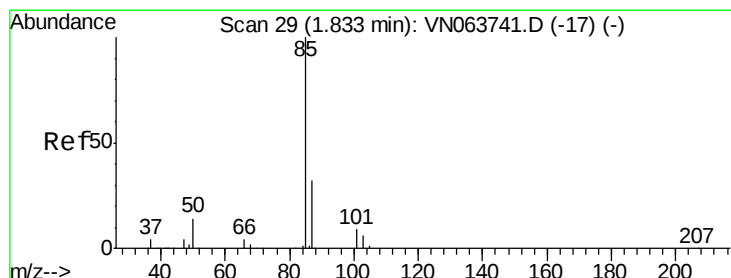
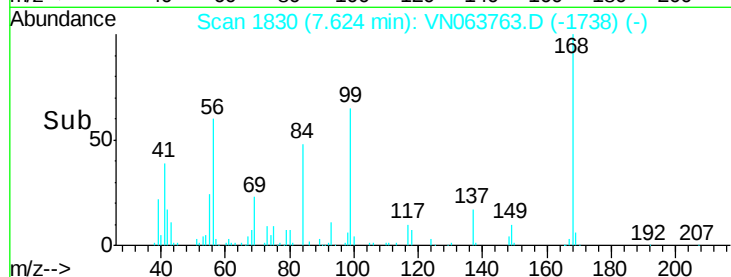
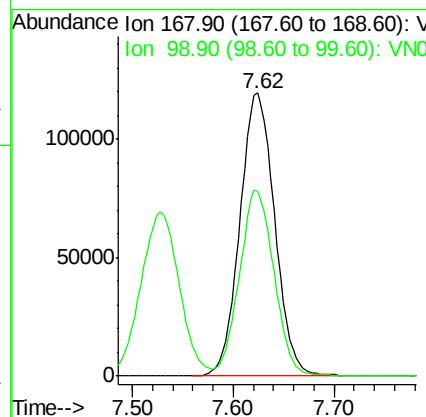
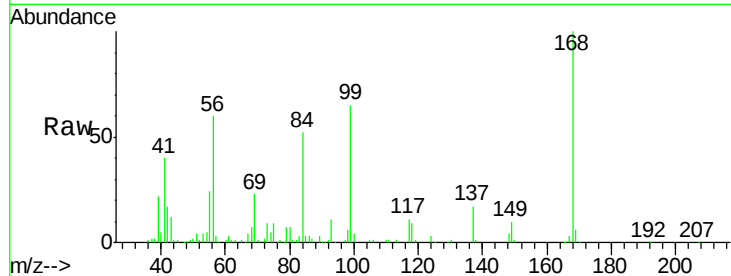
99 64.8 51.8 77.6

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 46.807 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN063763.D

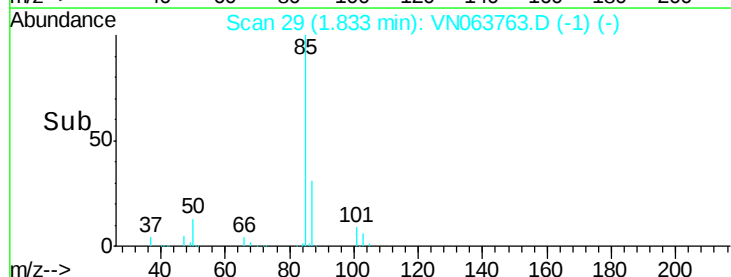
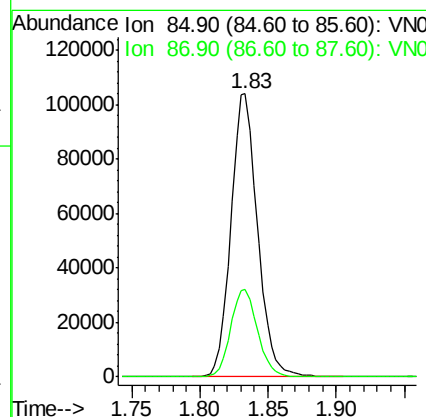
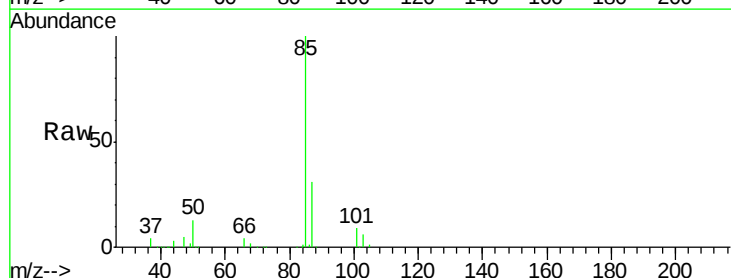
Acq: 1 Oct 2020 11:04

Tgt Ion: 85 Resp: 141167

Ion Ratio Lower Upper

85 100

87 30.7 16.0 48.0





#3

Chloromethane

Concen: 44.614 ug/l

RT: 2.04 min Scan# 92

Delta R.T. 0.00 min

Lab File: VN063763.D

Acq: 1 Oct 2020 11:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 157880

Ion Ratio Lower Upper

50 100

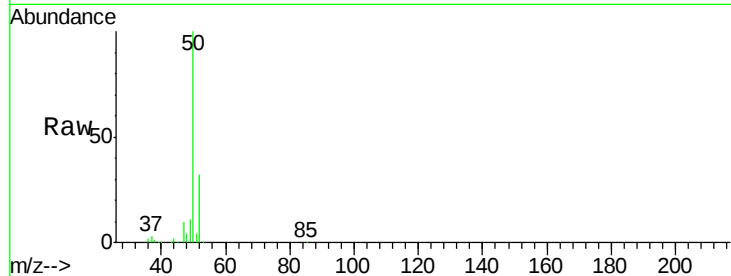
52 32.0 25.8 38.8

Manual Integrations

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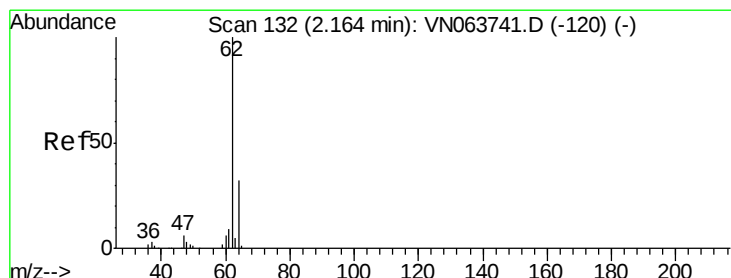
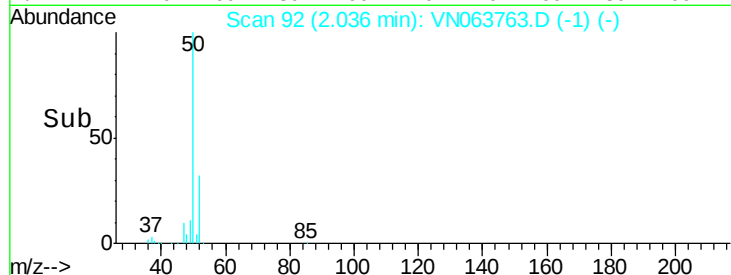
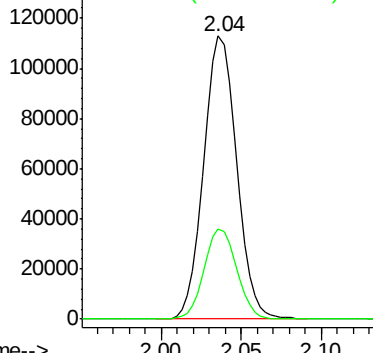
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 43.903 ug/l

RT: 2.16 min Scan# 132

Delta R.T. 0.00 min

Lab File: VN063763.D

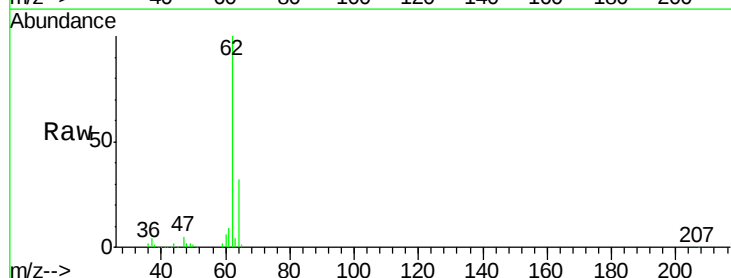
Acq: 1 Oct 2020 11:04

Tgt Ion: 62 Resp: 155955

Ion Ratio Lower Upper

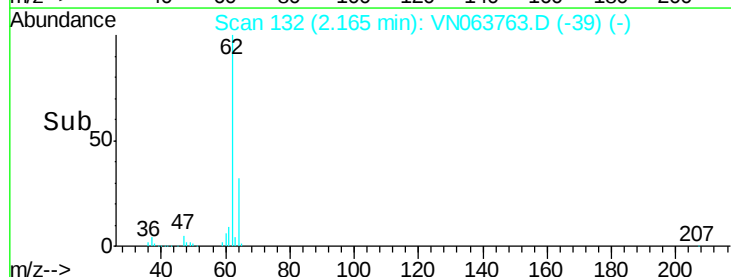
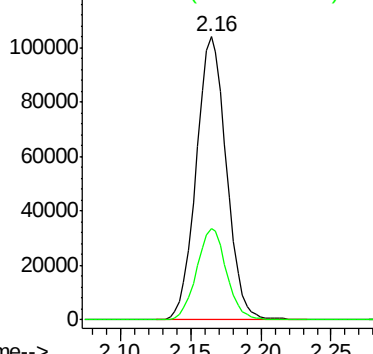
62 100

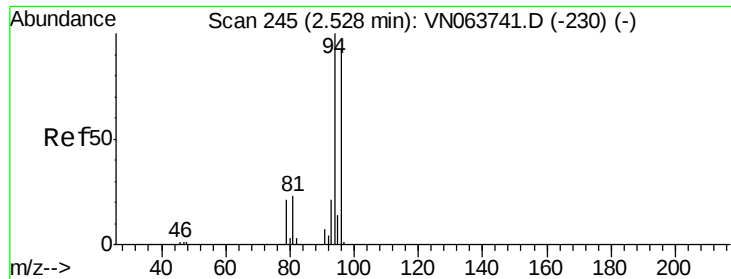
64 32.2 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 42.445 ug/l

RT: 2.53 min Scan# 245

Delta R.T. 0.00 min

Lab File: VN063763.D

Acq: 1 Oct 2020 11:04

Instrument :

MSVOA_N

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VSTDCCC050

Tot Ion: 94 Resp: 94837

Ion Ratio Lower Upper

94 100

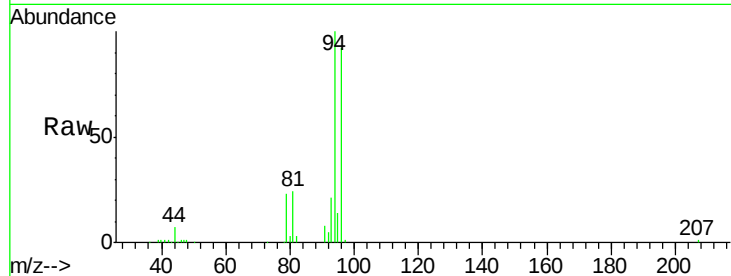
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Manual Integrations

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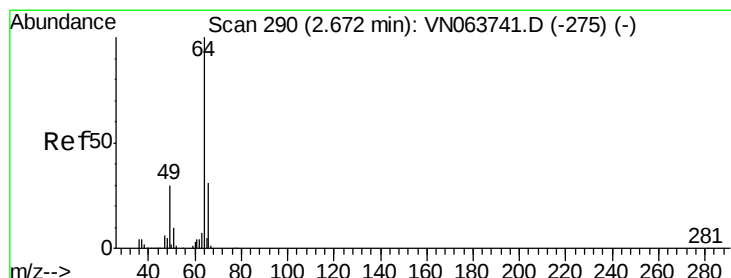
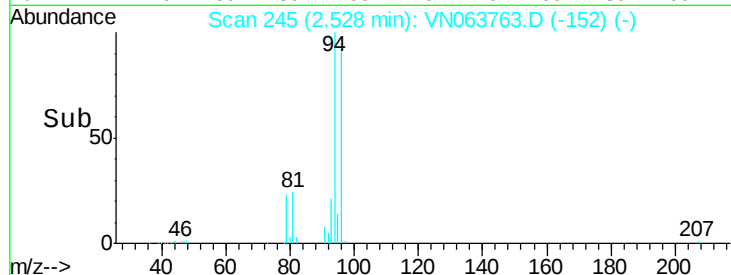
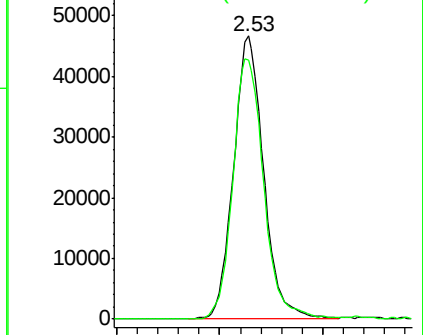
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 46.884 ug/l

RT: 2.67 min Scan# 289

Delta R.T. -0.00 min

Lab File: VN063763.D

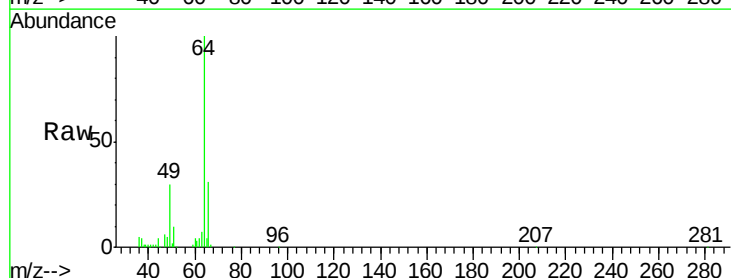
Acq: 1 Oct 2020 11:04

Tgt Ion: 64 Resp: 99517

Ion Ratio Lower Upper

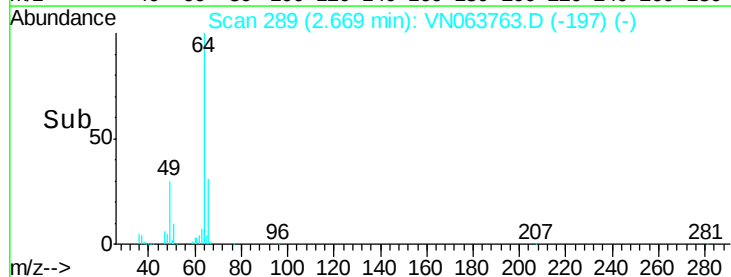
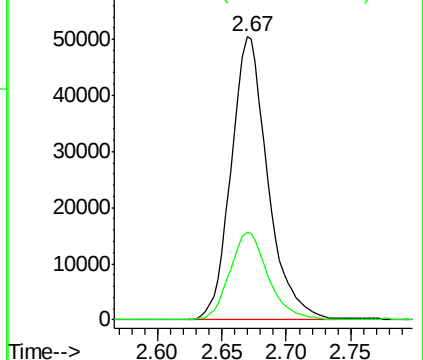
64 100

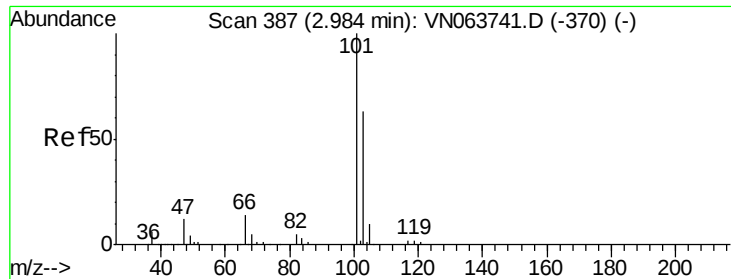
66 31.1 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

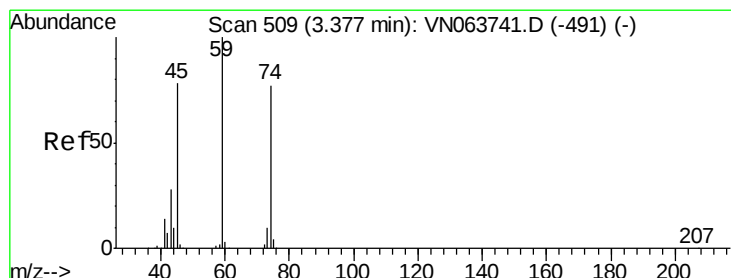
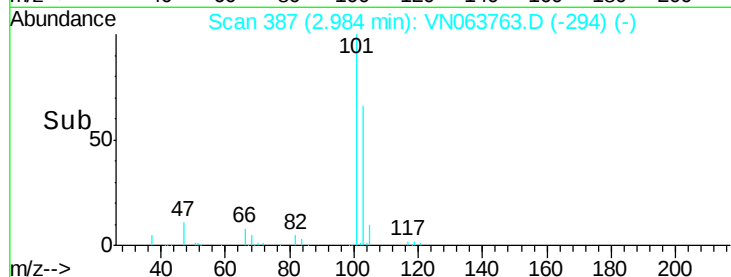
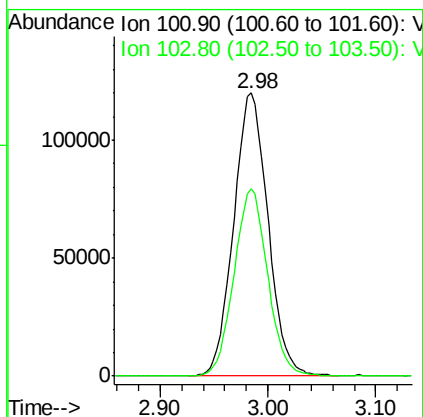
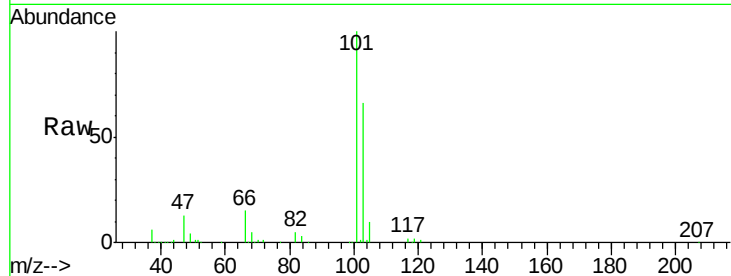
Trichlorofluoromethane
 Concen: 47.218 ug/l
 RT: 2.98 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: VN063763.D
 Acq: 1 Oct 2020 11:04

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.2	50.7	76.1

Manual Integrations
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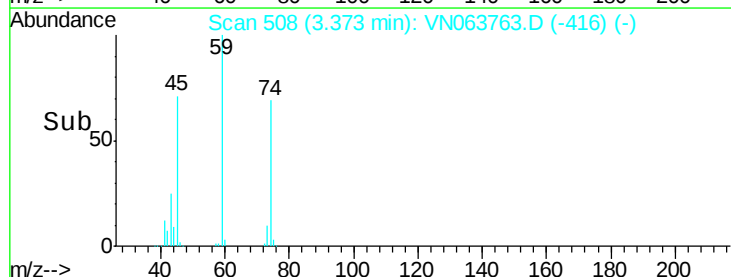
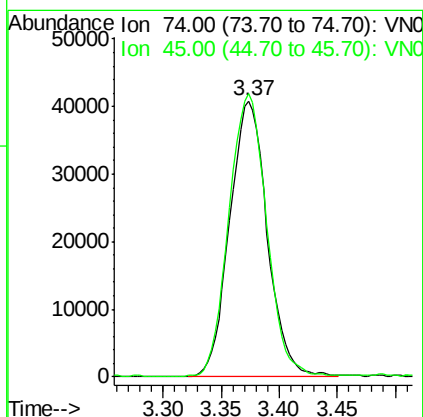
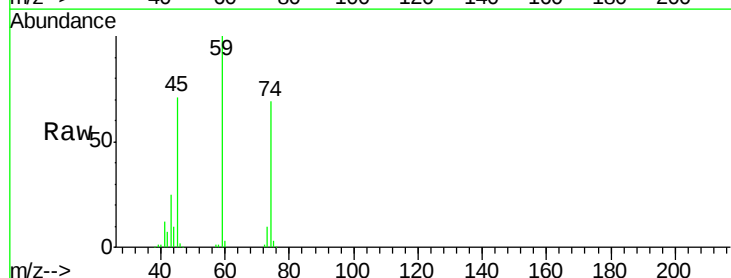
MMDadoda
 10/2/2020 3:11:12 PM

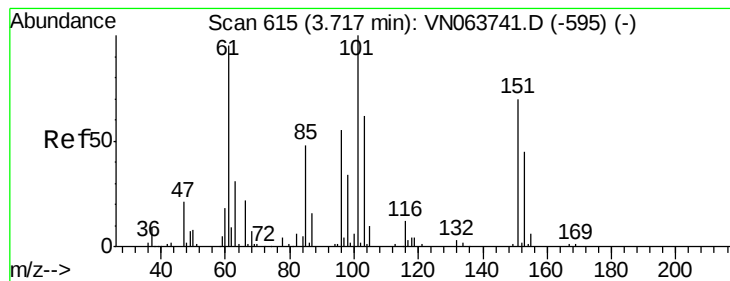


#8

Diethyl Ether
 Concen: 48.180 ug/l
 RT: 3.37 min Scan# 508
 Delta R.T. -0.00 min
 Lab File: VN063763.D
 Acq: 1 Oct 2020 11:04

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.3	50.9	152.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.603 ug/l

RT: 3.72 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN063763.D

Acq: 1 Oct 2020 11:04

Instrument :

MSVOA_N

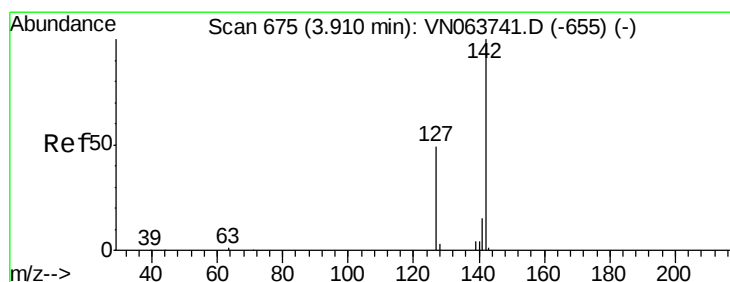
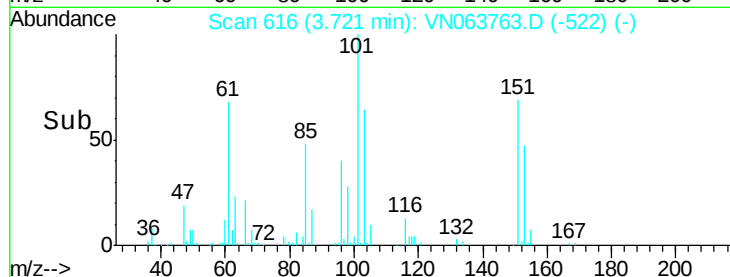
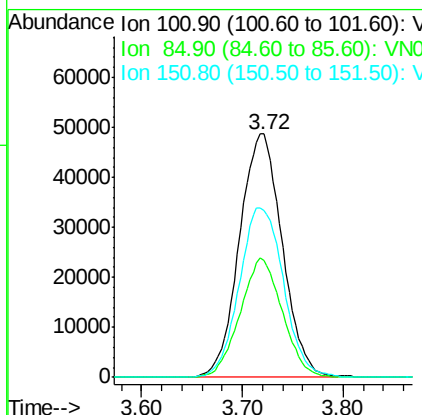
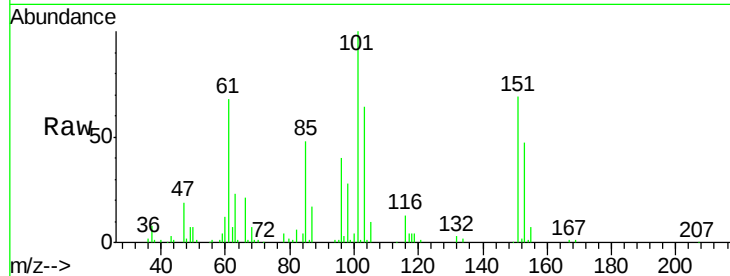
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	143340
Ion Ratio	Lower	Upper	
101	100		
85	48.3	38.6	58.0
151	72.1	58.7	88.1

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#10

Methyl Iodide

Concen: 46.574 ug/l

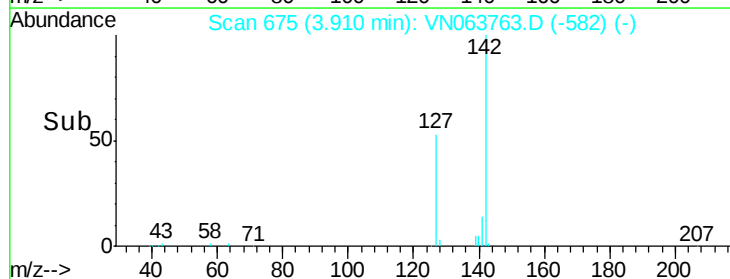
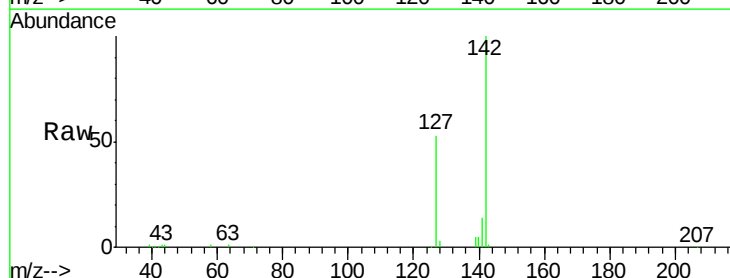
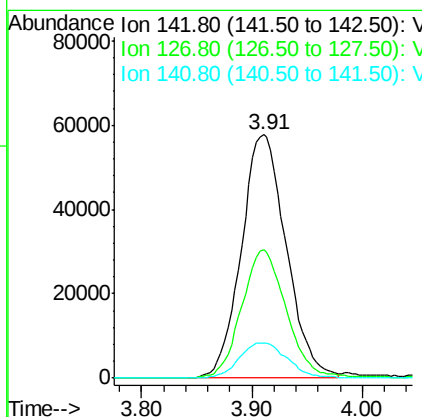
RT: 3.91 min Scan# 675

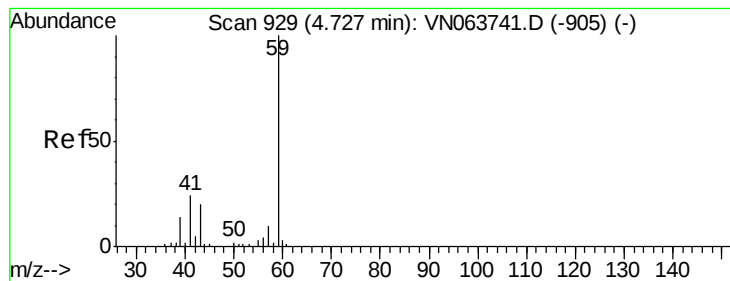
Delta R.T. 0.00 min

Lab File: VN063763.D

Acq: 1 Oct 2020 11:04

Tgt Ion:	142	Resp:	162835
Ion Ratio	Lower	Upper	
142	100		
127	52.9	40.5	60.7
141	15.5	11.7	17.5





#11

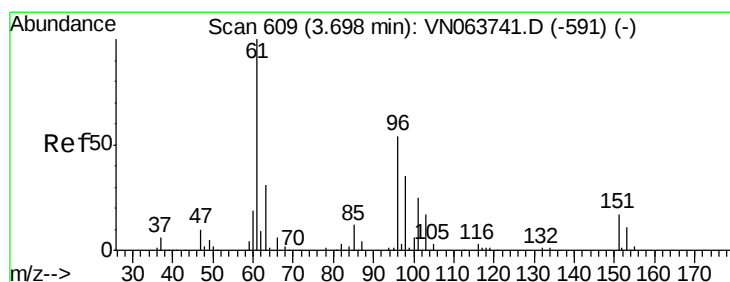
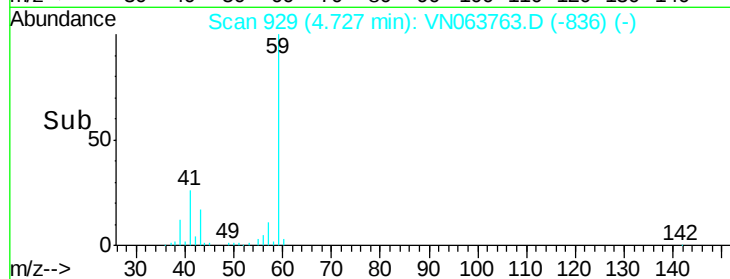
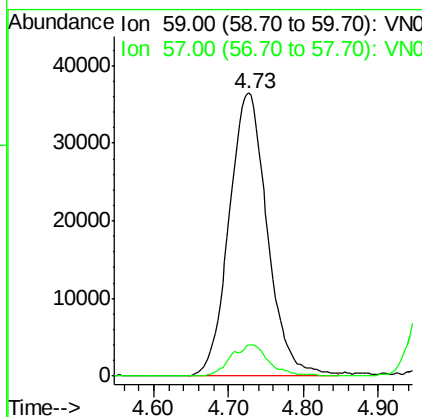
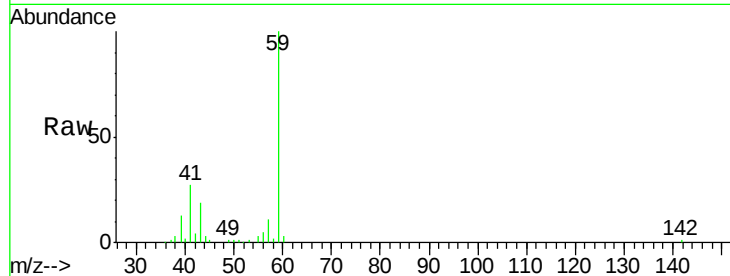
Tert butyl alcohol
Concen: 248.386 ug/l
RT: 4.73 min Scan# 929
Delta R.T. 0.00 min
Lab File: VN063763.D
Acq: 1 Oct 2020 11:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.9	8.7	13.1

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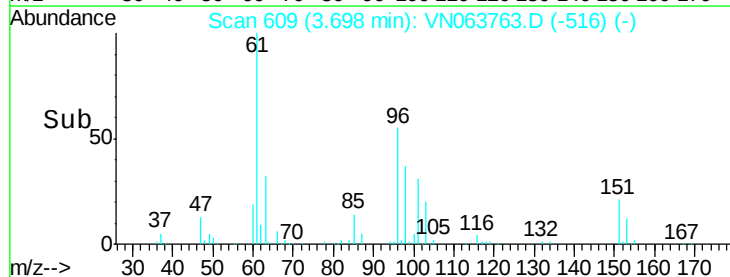
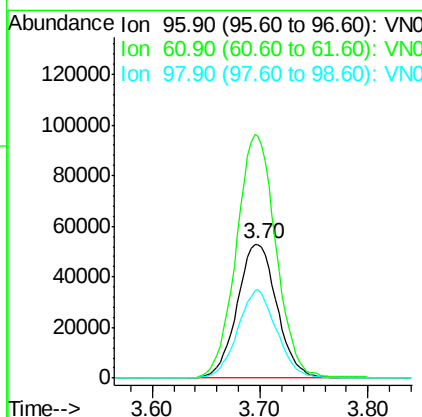
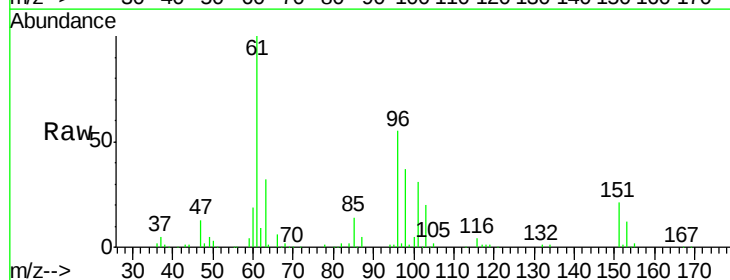
MMDadoda
10/2/2020 3:11:12 PM

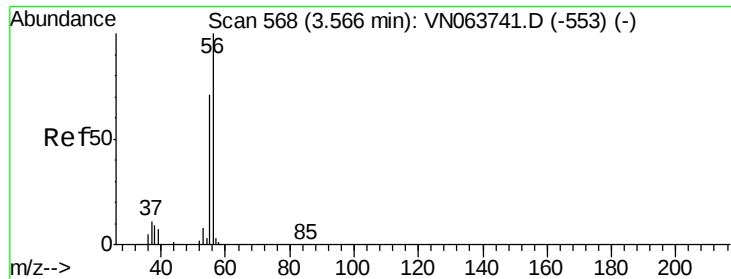


#12

1,1-Dichloroethene
Concen: 47.076 ug/l
RT: 3.70 min Scan# 609
Delta R.T. 0.00 min
Lab File: VN063763.D
Acq: 1 Oct 2020 11:04

Tgt Ion	Ratio	Lower	Upper
96	100		
61	181.8	147.7	221.5
98	66.6	51.9	77.9





#13

Acrolein

Concen: 247.957 ug/l

RT: 3.57 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN063763.D

Acq: 1 Oct 2020 11:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 79337

Ion Ratio Lower Upper

56 100

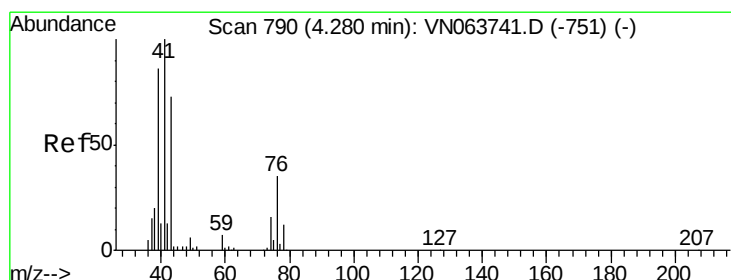
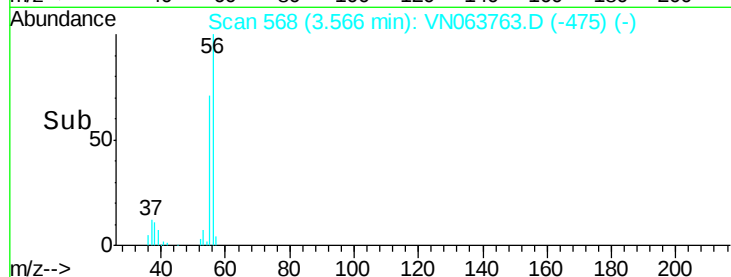
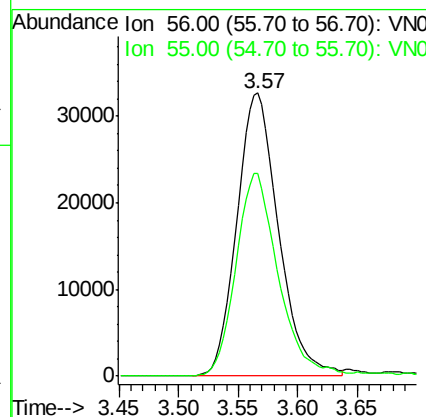
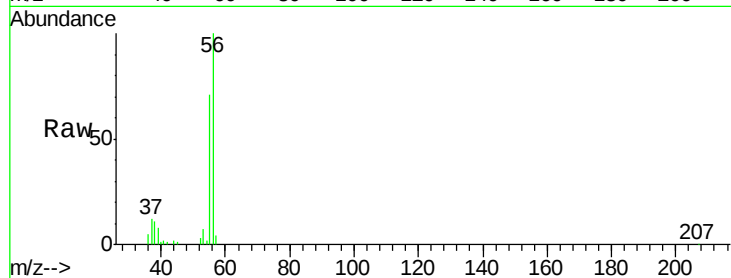
55 72.4 56.9 85.3

Manual Integrations

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#14

Allyl chloride

Concen: 48.227 ug/l

RT: 4.28 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN063763.D

Acq: 1 Oct 2020 11:04

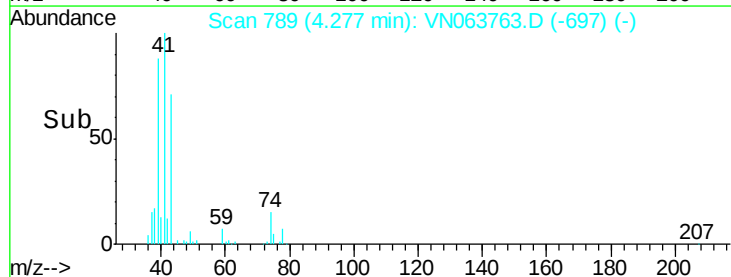
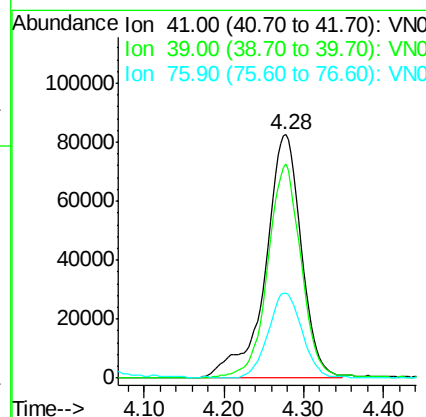
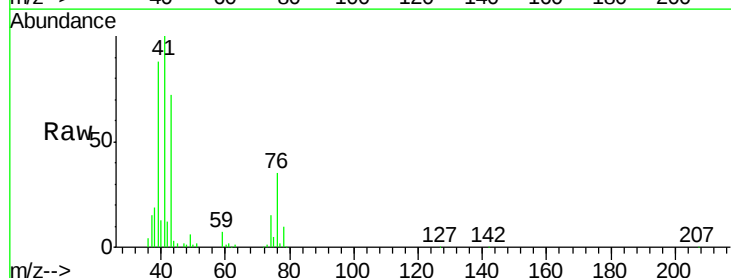
Tgt Ion: 41 Resp: 257875

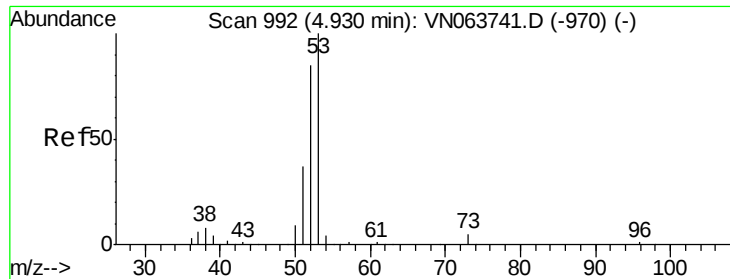
Ion Ratio Lower Upper

41 100

39 82.1 64.5 96.7

76 32.4 25.9 38.9





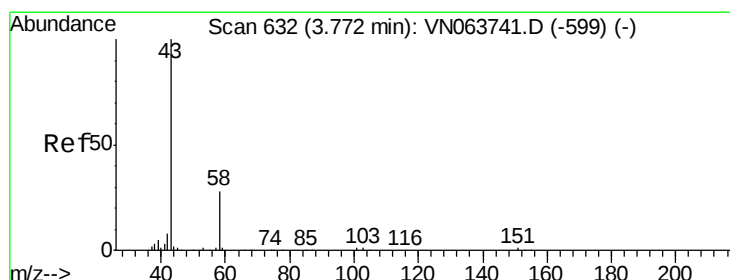
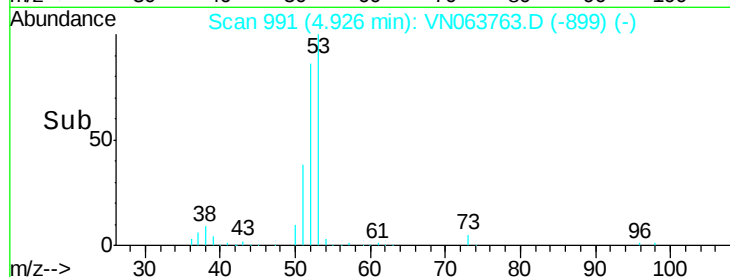
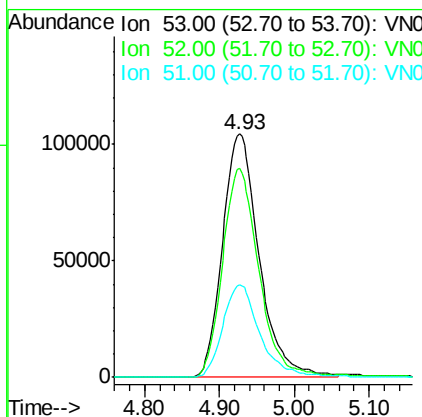
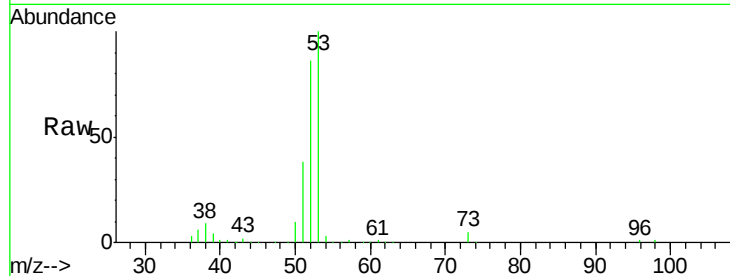
#15
 Acrylonitrile
 Concen: 237.978 ug/l
 RT: 4.93 min Scan# 991
 Delta R.T. -0.00 min
 Lab File: VN063763.D
 Acq: 1 Oct 2020 11:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	53	Resp:	355128
Ion Ratio	Lower	Upper	
53	100		
52	84.9	66.5	99.7
51	38.6	29.9	44.9

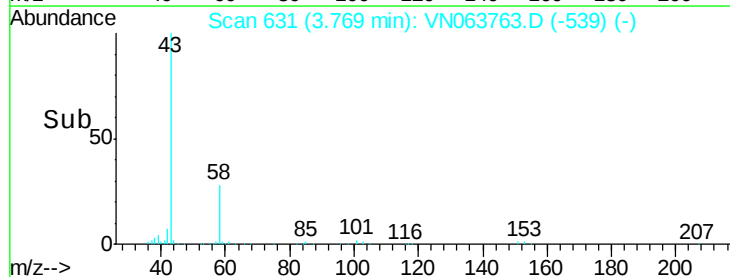
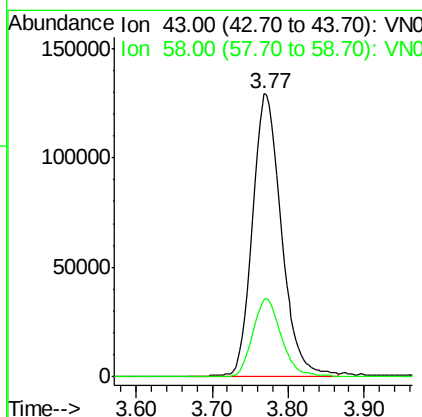
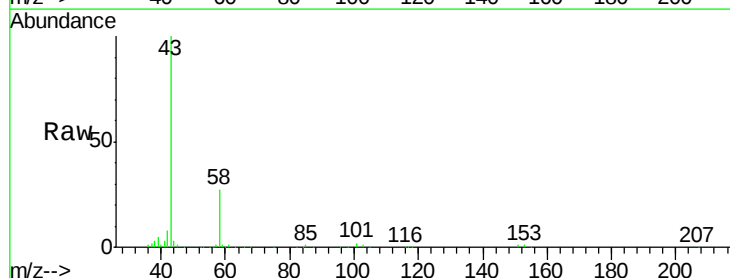
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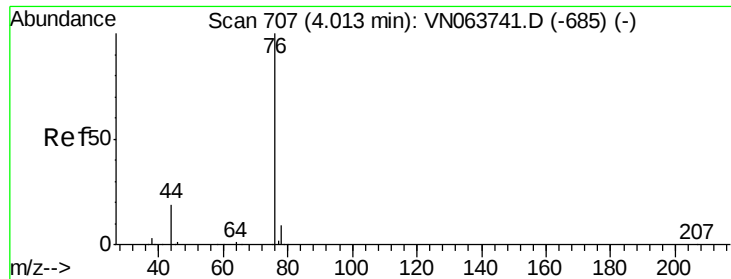
MMDadoda
 10/2/2020 3:11:12 PM



#16
 Acetone
 Concen: 236.941 ug/l
 RT: 3.77 min Scan# 631
 Delta R.T. -0.00 min
 Lab File: VN063763.D
 Acq: 1 Oct 2020 11:04

Tgt Ion:	43	Resp:	344417
Ion Ratio	Lower	Upper	
43	100		
58	27.5	22.3	33.5





#17

Carbon Disulfide

Concen: 47.004 ug/l

RT: 4.01 min Scan# 706

Delta R.T. -0.00 min

Lab File: VN063763.D

Acq: 1 Oct 2020 11:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 365325

Ion Ratio Lower Upper

76 100

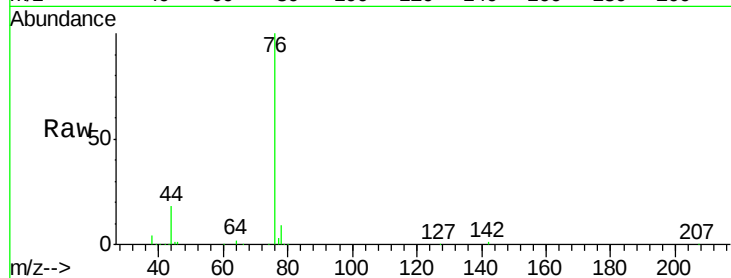
78 9.4 7.0 10.4

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC

4.01

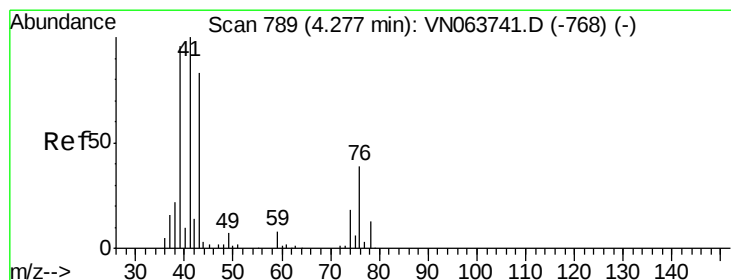
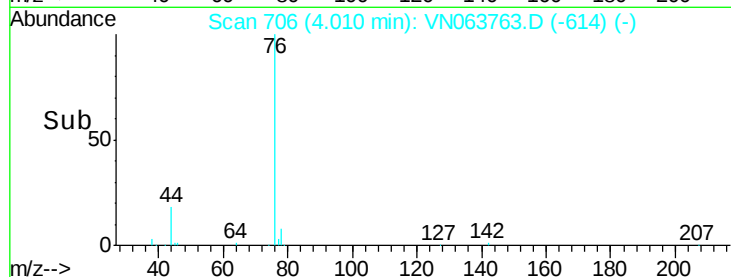
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 46.958 ug/l

RT: 4.27 min Scan# 787

Delta R.T. -0.01 min

Lab File: VN063763.D

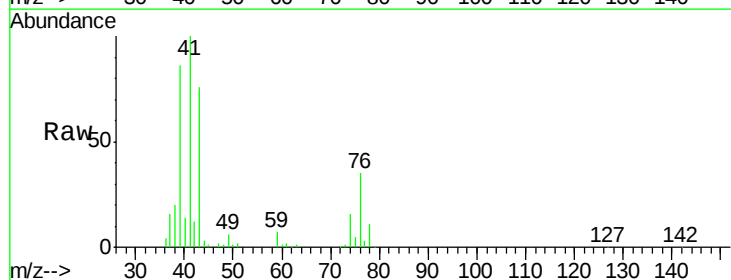
Acq: 1 Oct 2020 11:04

Tgt Ion: 43 Resp: 177223

Ion Ratio Lower Upper

43 100

74 21.2 17.4 26.2



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 74.00 (73.70 to 74.70): VNC

4.27

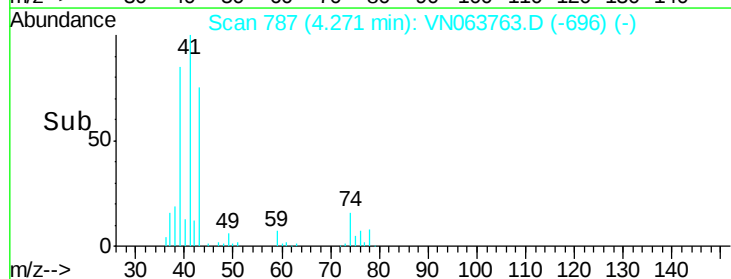
60000

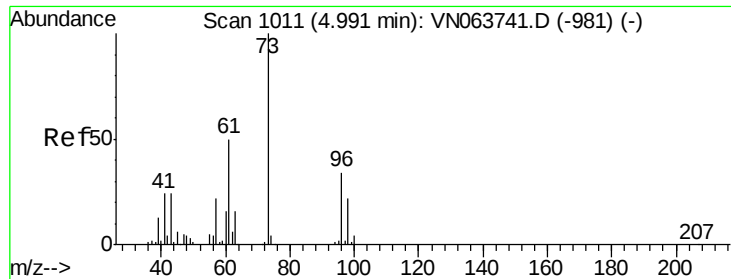
40000

20000

0

Time-->





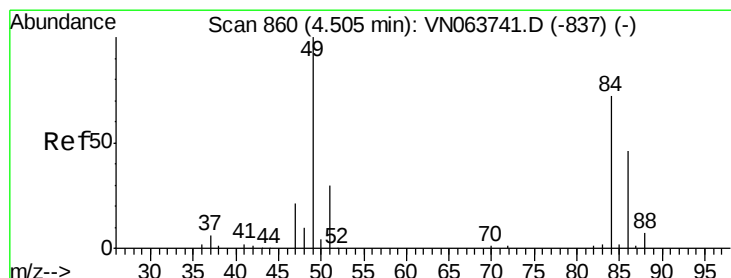
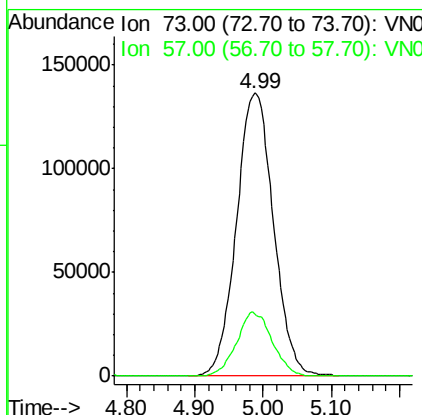
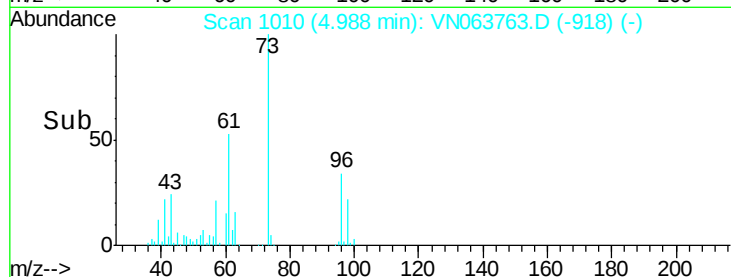
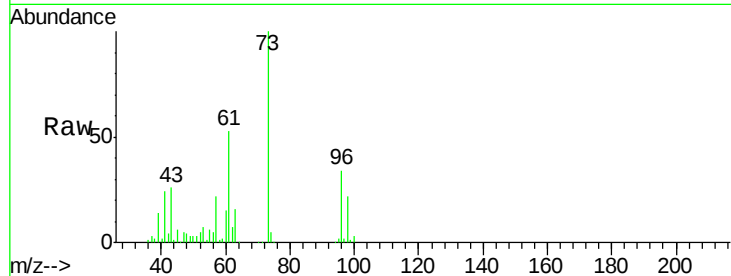
#19
Methvl tert-butvl Ether
Concen: 49.204 ug/l
RT: 4.99 min Scan# 1010
Delta R.T. -0.00 min
Lab File: VN063763.D
Acq: 1 Oct 2020 11:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 514512
Ion Ratio Lower Upper
73 100
57 22.0 17.6 26.4

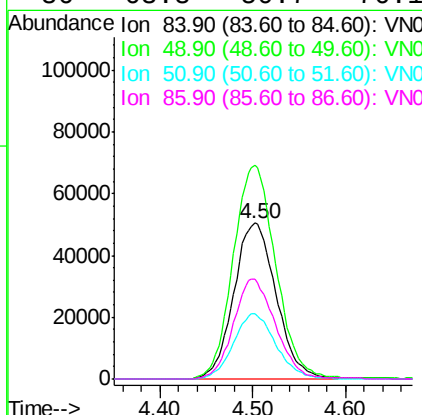
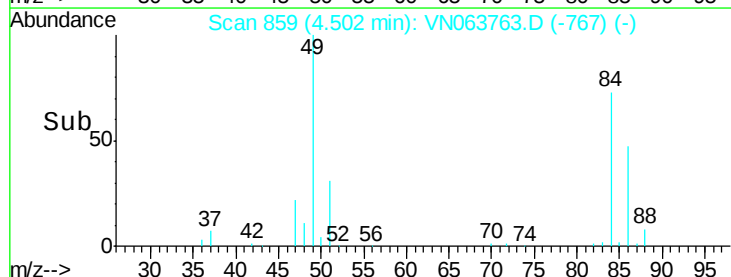
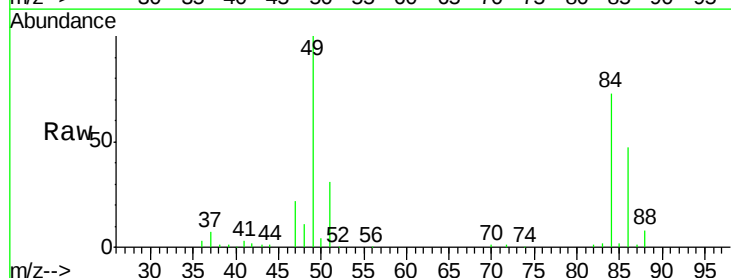
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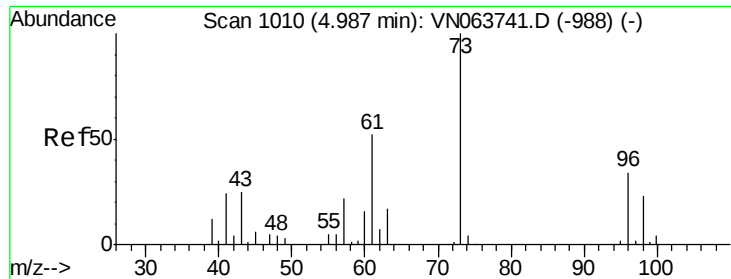
MMDadoda
10/2/2020 3:11:12 PM



#20
Methylene Chloride
Concen: 48.107 ug/l
RT: 4.50 min Scan# 859
Delta R.T. -0.00 min
Lab File: VN063763.D
Acq: 1 Oct 2020 11:04

Tgt Ion: 84 Resp: 160156
Ion Ratio Lower Upper
84 100
49 136.9 110.4 165.6
51 41.8 33.3 49.9
86 63.8 50.7 76.1





#21

trans-1,2-Dichloroethene

Concen: 46.033 ug/l

RT: 4.99 min Scan# 1010

Delta R.T. 0.00 min

Lab File: VN063763.D

Acq: 1 Oct 2020 11:04

Instrument :

MSVOA_N

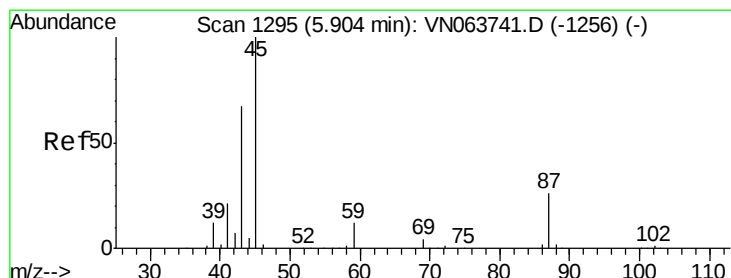
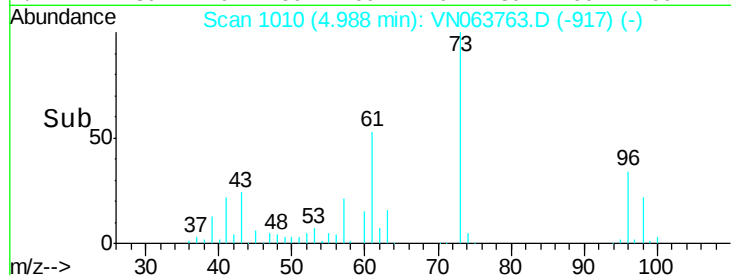
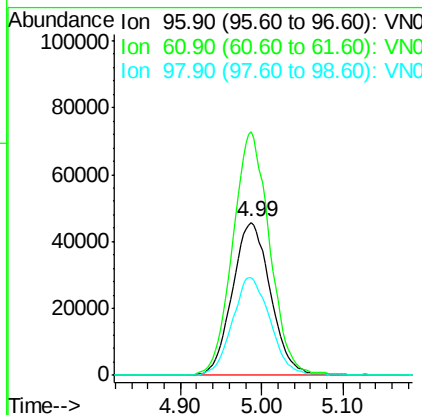
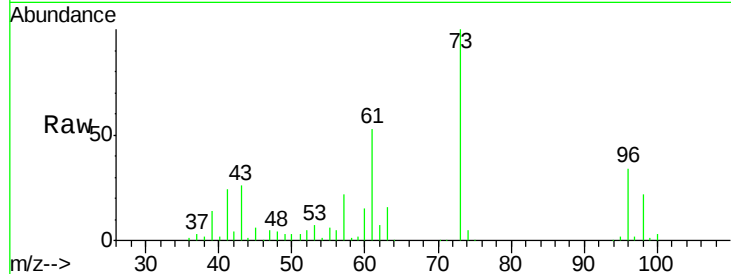
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	148404
Ion	Ratio	Lower	Upper
96	100		
61	159.2	120.2	180.2
98	64.2	52.6	79.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 48.917 ug/l

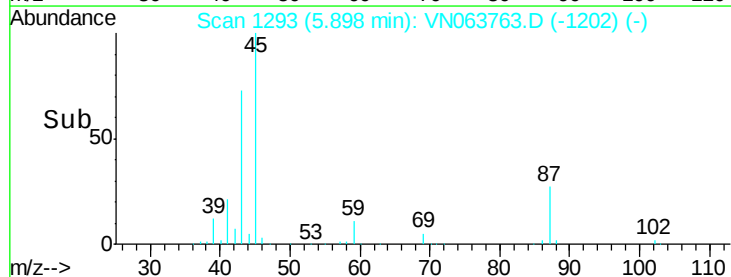
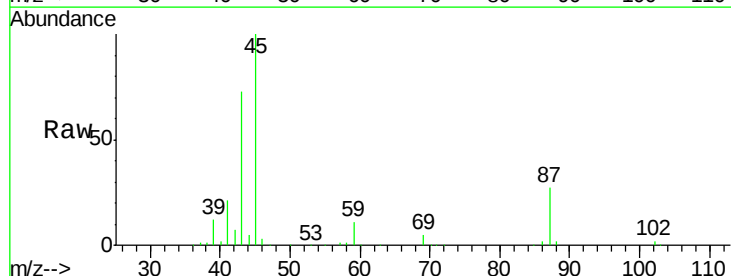
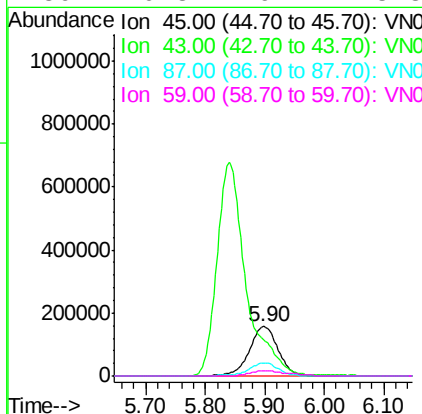
RT: 5.90 min Scan# 1293

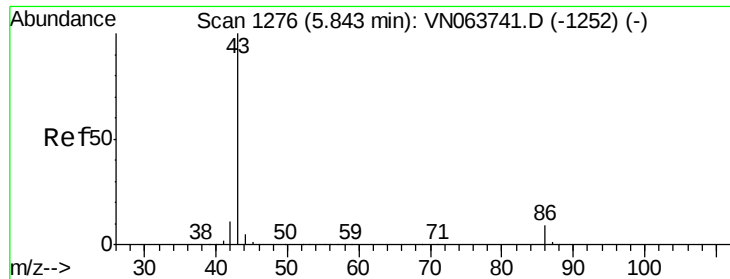
Delta R.T. -0.01 min

Lab File: VN063763.D

Acq: 1 Oct 2020 11:04

Tgt Ion:	45	Resp:	538158
Ion	Ratio	Lower	Upper
45	100		
43	73.2	53.7	80.5
87	26.4	21.1	31.7
59	10.8	9.2	13.8





#23

Vinyl Acetate

Concen: 253.198 ug/l

RT: 5.84 min Scan# 1275

Delta R.T. -0.00 min

Lab File: VN063763.D

Acq: 1 Oct 2020 11:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2307434

Ion Ratio Lower Upper

43 100

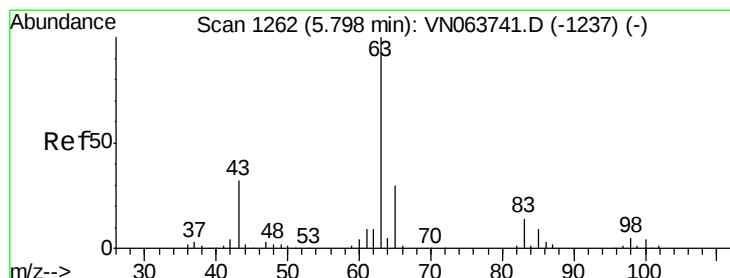
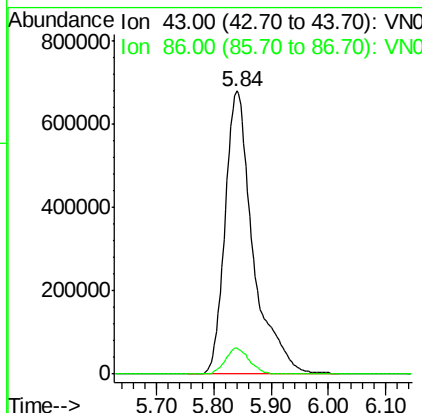
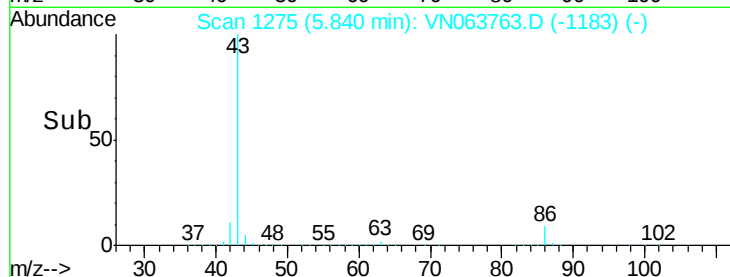
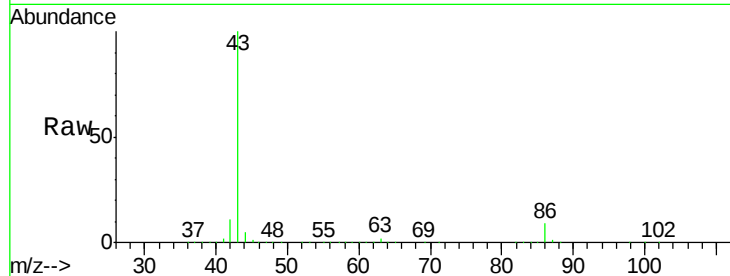
86 9.3 7.3 10.9

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 47.545 ug/l

RT: 5.79 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VN063763.D

Acq: 1 Oct 2020 11:04

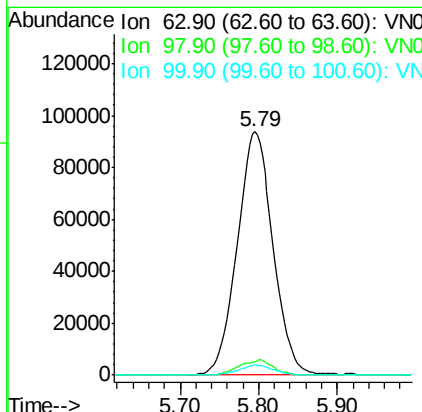
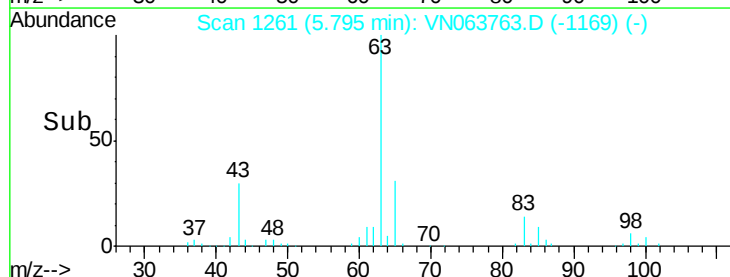
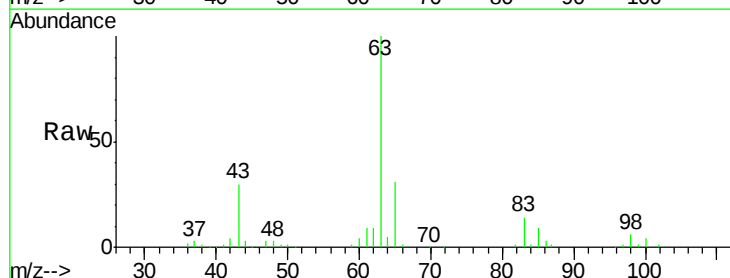
Tgt Ion: 63 Resp: 299076

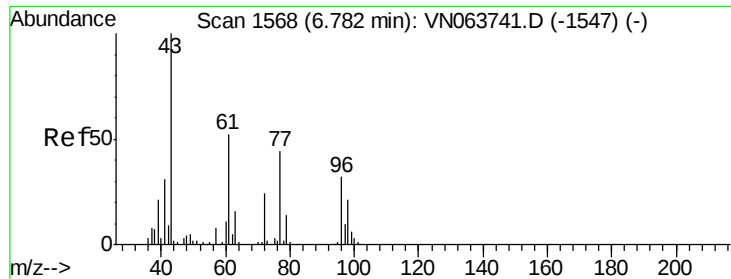
Ion Ratio Lower Upper

63 100

98 5.6 2.7 8.1

100 4.1 1.9 5.7





#25

2-Butanone

Concen: 246.579 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN063763.D

Acq: 1 Oct 2020 11:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 508160

Ion Ratio Lower Upper

43 100

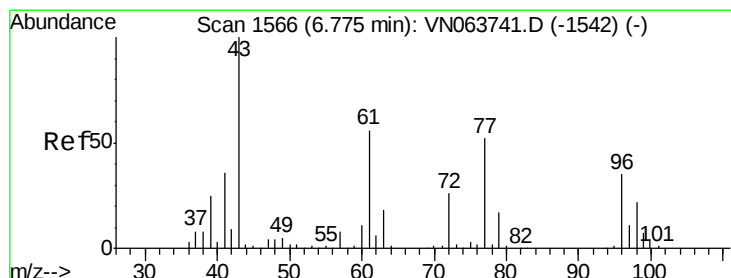
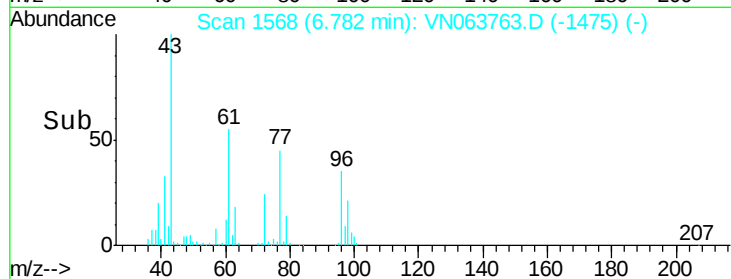
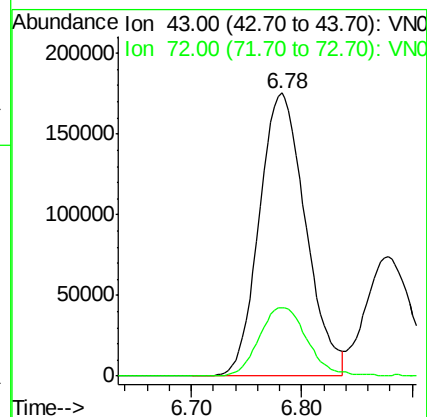
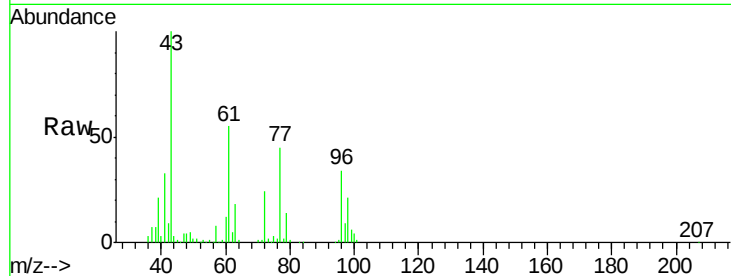
72 24.4 19.3 28.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 46.789 ug/l

RT: 6.77 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN063763.D

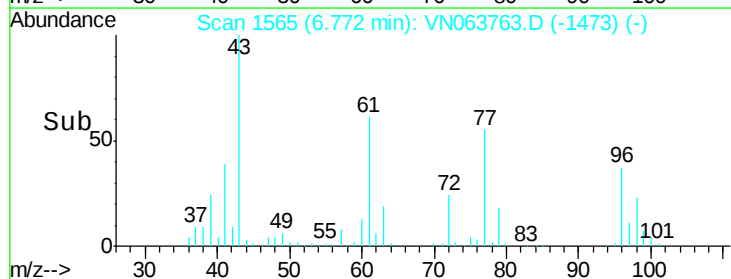
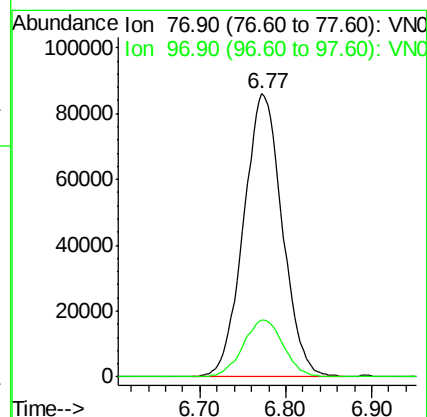
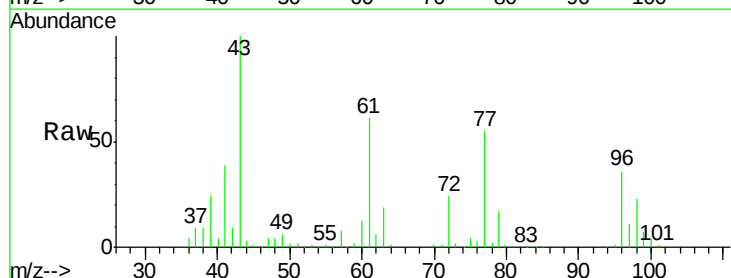
Acq: 1 Oct 2020 11:04

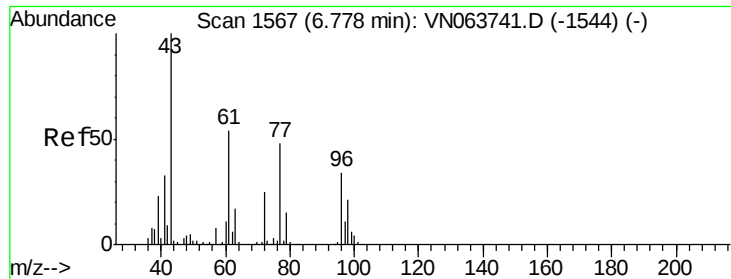
Tgt Ion: 77 Resp: 269526

Ion Ratio Lower Upper

77 100

97 21.0 10.8 32.3





#27

cis-1,2-Dichloroethene

Concen: 47.900 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN063763.D

Acq: 1 Oct 2020 11:04

Instrument :

MSVOA_N

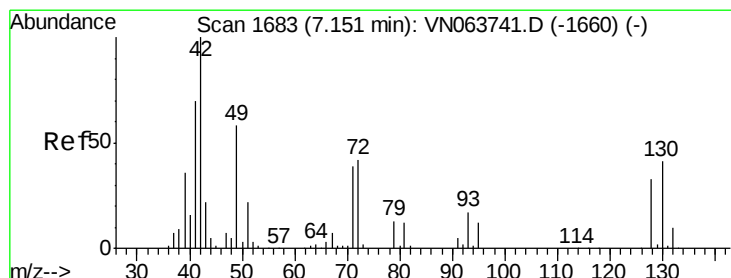
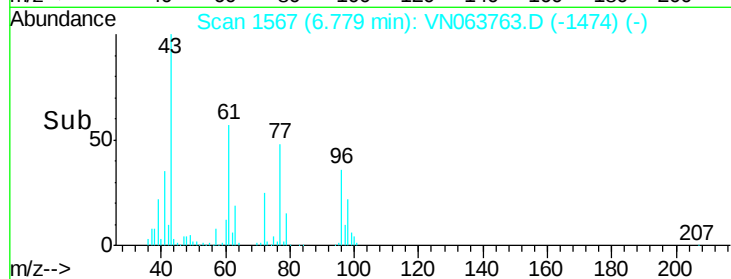
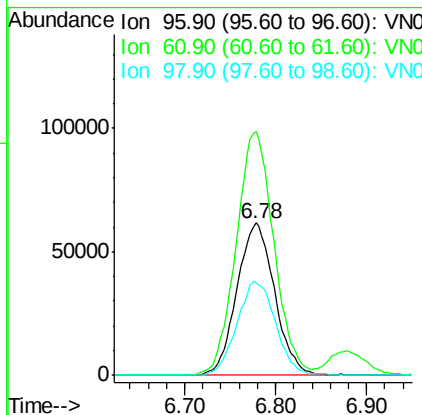
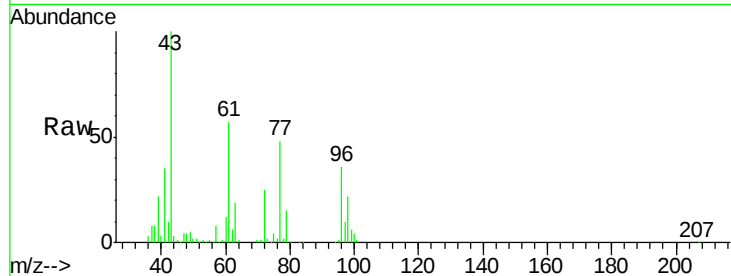
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	177601
Ion	Ratio	Lower	Upper
96	100		
61	160.1	0.0	321.2
98	63.0	0.0	124.4

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#28

Bromochloromethane

Concen: 49.361 ug/l

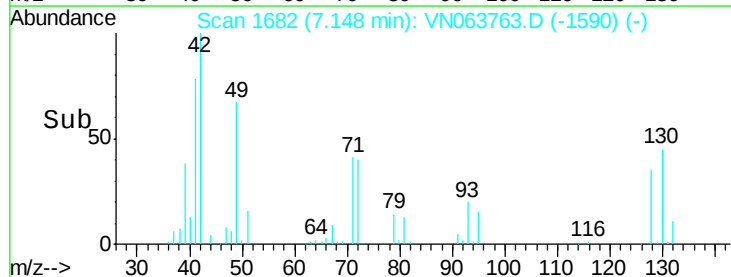
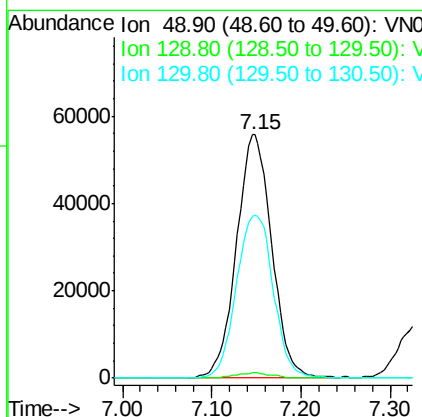
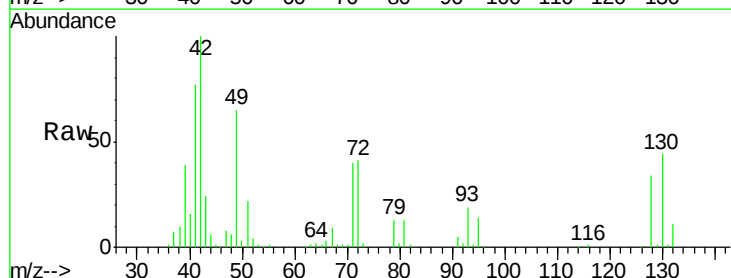
RT: 7.15 min Scan# 1682

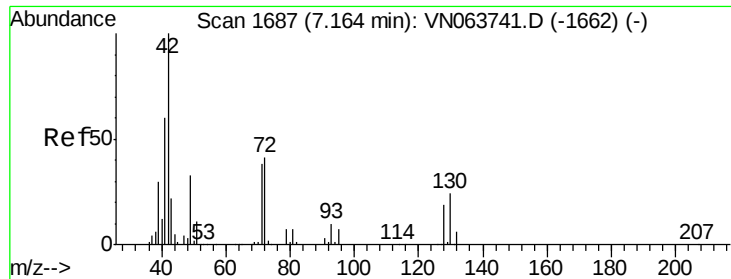
Delta R.T. -0.00 min

Lab File: VN063763.D

Acq: 1 Oct 2020 11:04

Tgt Ion:	49	Resp:	153464
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.8
130	69.9	55.6	83.4





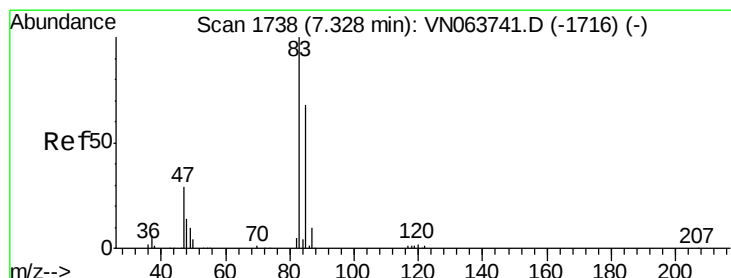
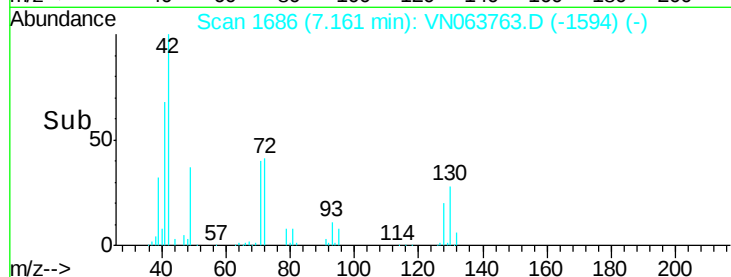
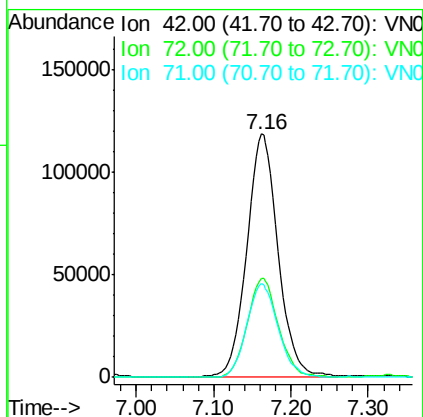
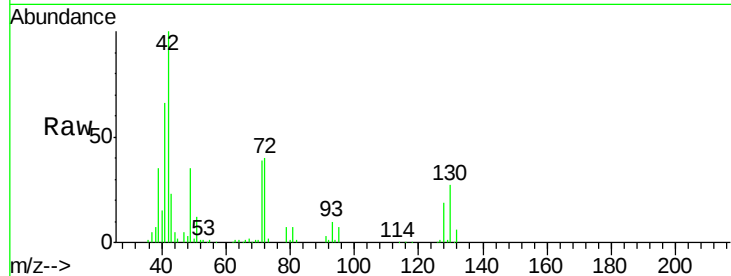
#29
Tetrahydrofuran
Concen: 241.589 ug/l
RT: 7.16 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VN063763.D
Acq: 1 Oct 2020 11:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.7	32.8	49.2
71	38.8	30.6	45.8

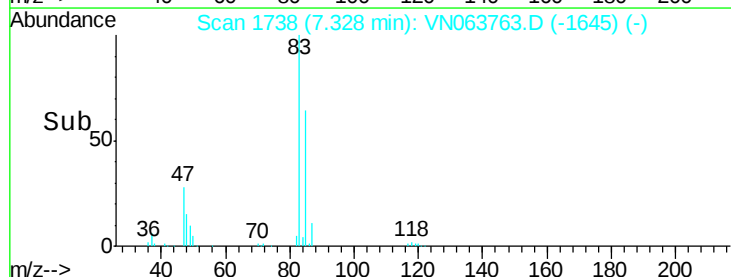
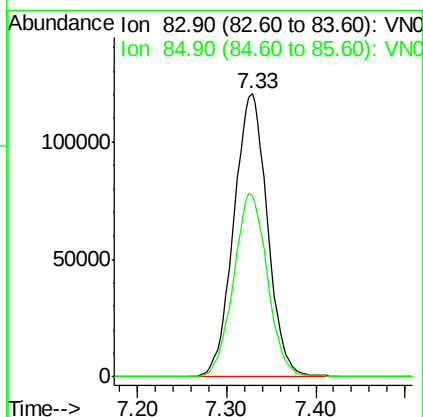
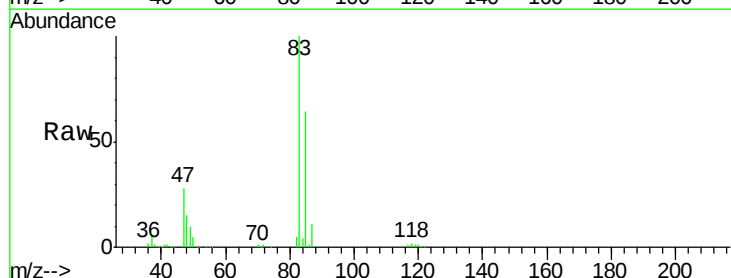
Manual Integrations
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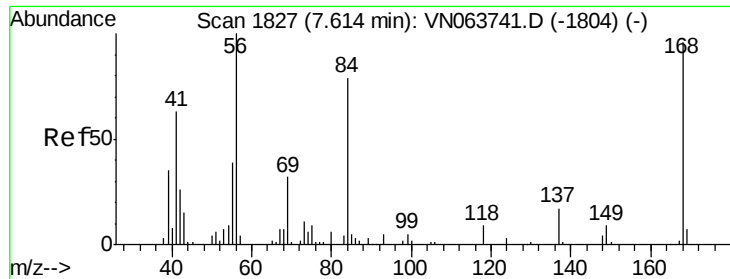
MMDadoda
10/2/2020 3:11:12 PM



#30
Chloroform
Concen: 48.081 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN063763.D
Acq: 1 Oct 2020 11:04

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	54.6	82.0





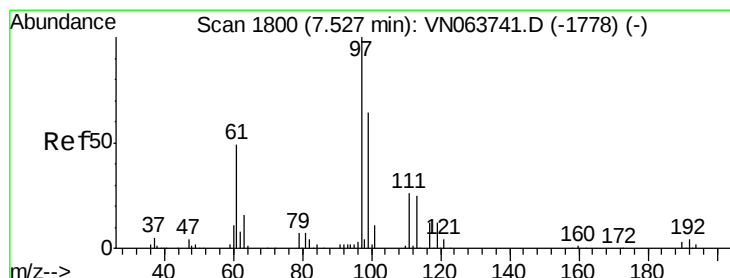
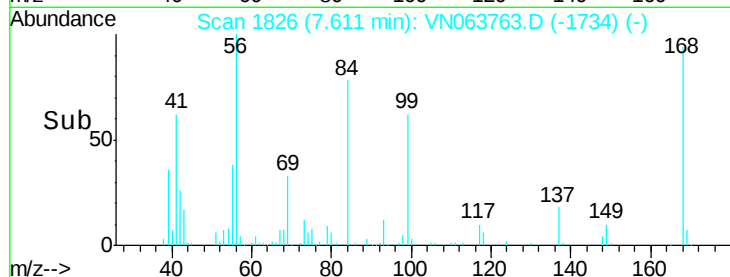
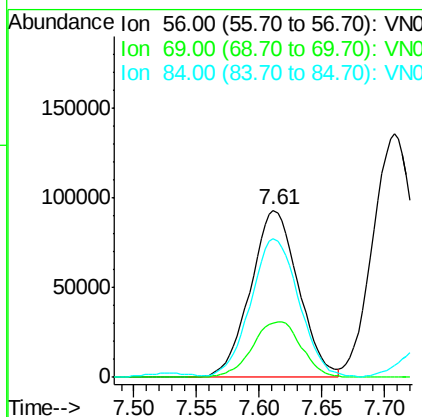
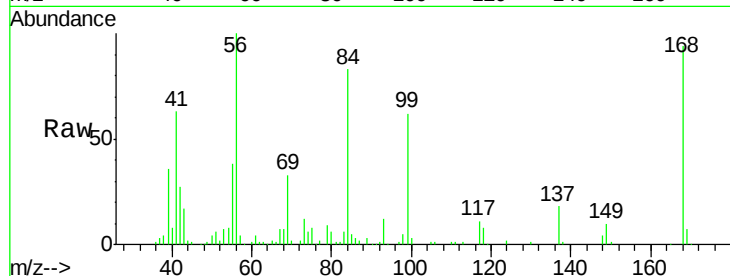
#31
Cyclohexane
Concen: 45.251 ug/l
RT: 7.61 min Scan# 1826
Delta R.T. -0.00 min
Lab File: VN063763.D
Acq: 1 Oct 2020 11:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.9	25.4	38.2
84	81.5	63.3	94.9

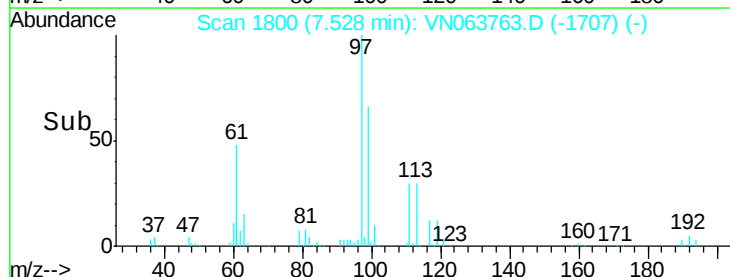
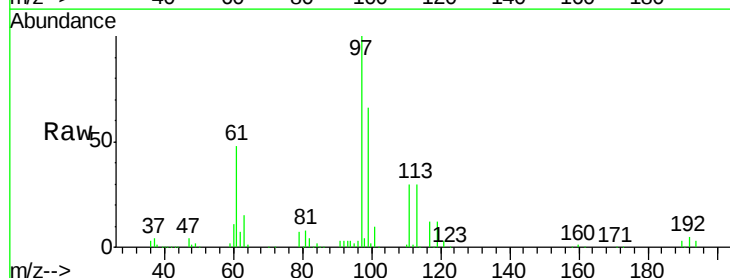
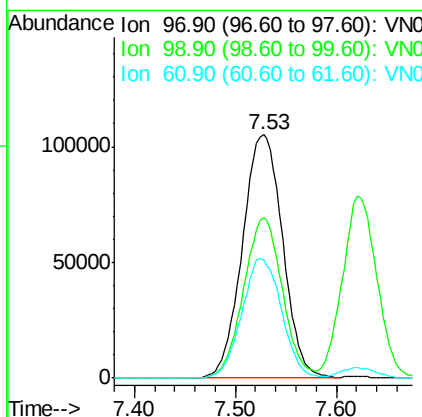
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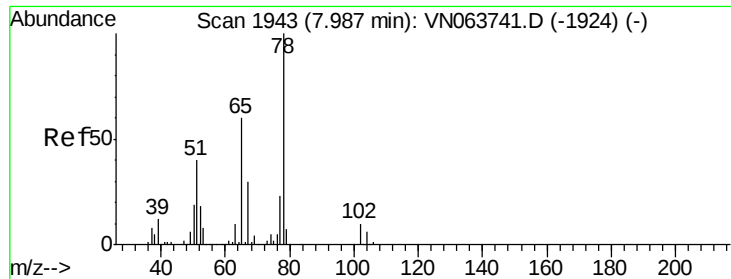
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10/2/2020 3:11:12 PM



#32
1,1,1-Trichloroethane
Concen: 49.148 ug/l
RT: 7.53 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VN063763.D
Acq: 1 Oct 2020 11:04

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.4	51.0	76.6
61	48.6	38.7	58.1





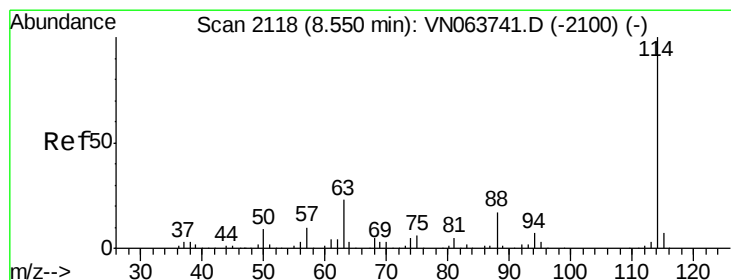
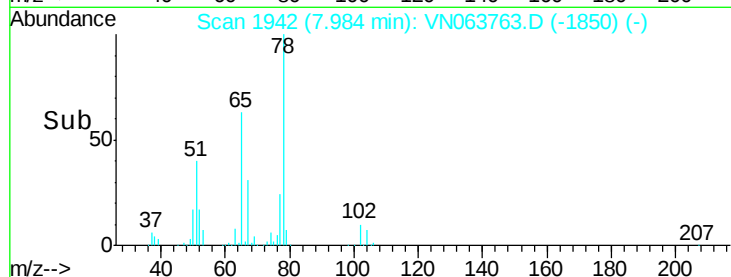
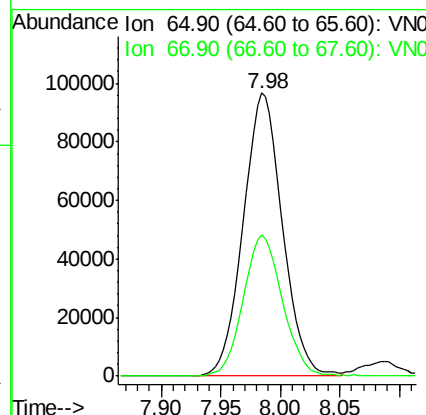
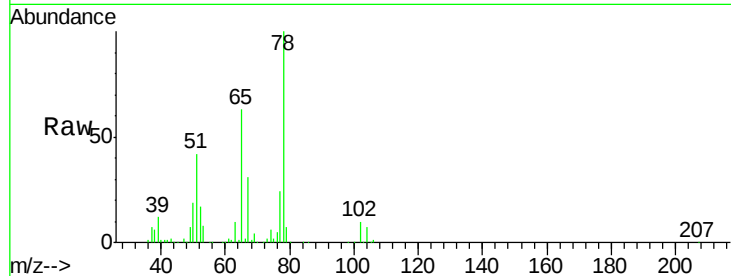
#33
 1,2-Dichloroethane-d4
 Concen: 46.664 ug/l
 RT: 7.98 min Scan# 1942
 Delta R.T. -0.00 min
 Lab File: VN063763.D
 Acq: 1 Oct 2020 11:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	220351		
67	49.7	0.0	99.6	

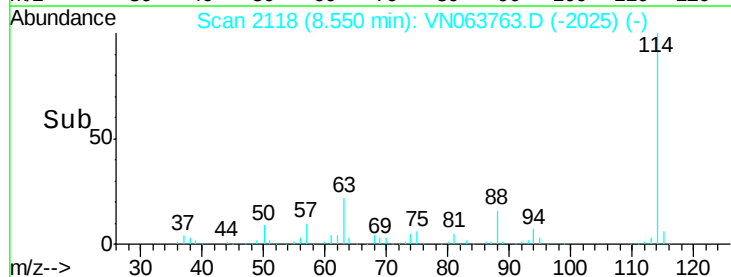
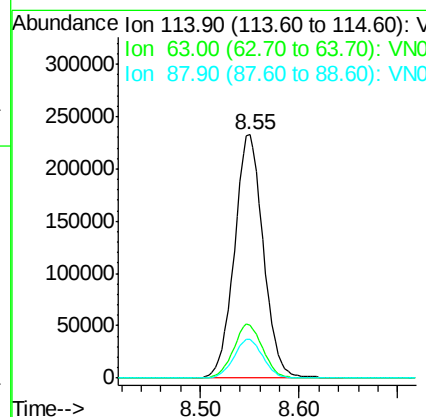
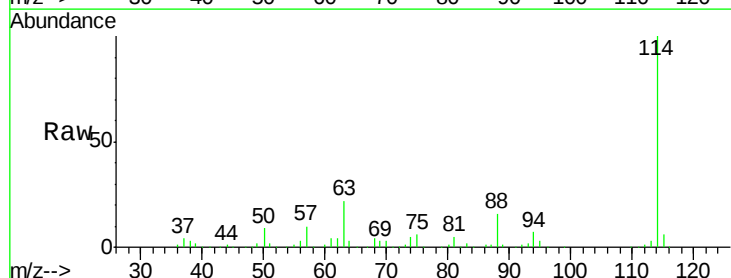
Manual Integrations
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN063763.D
 Acq: 1 Oct 2020 11:04

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	474448		
63	21.8	0.0	45.0	
88	15.8	0.0	34.0	





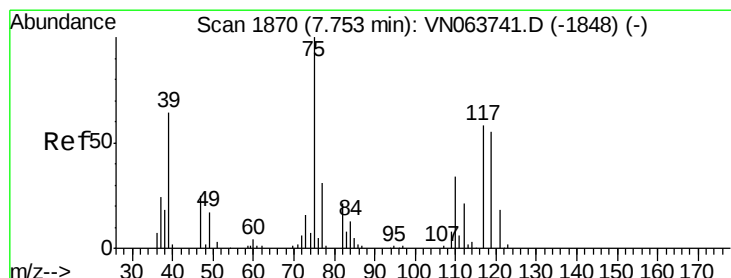
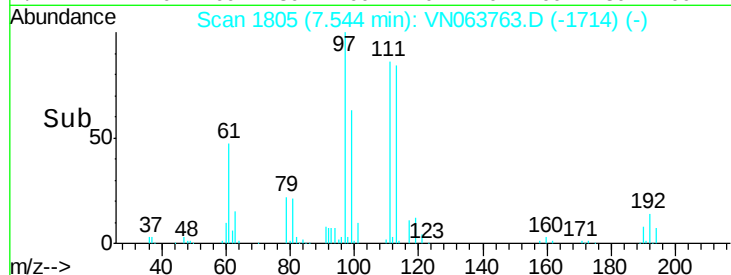
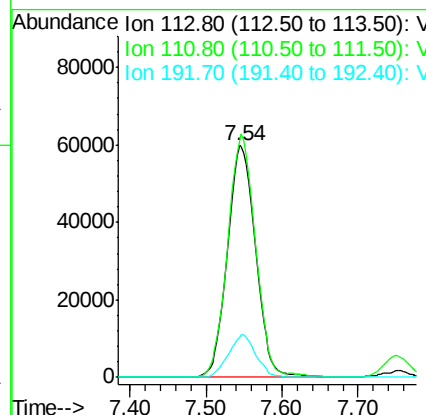
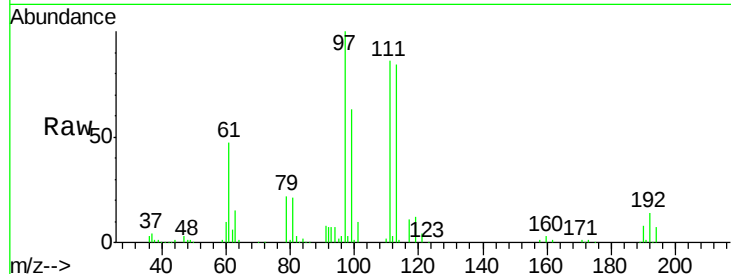
#35
Dibromofluoromethane
Concen: 47.139 ug/l
RT: 7.54 min Scan# 1805
Delta R.T. -0.01 min
Lab File: VN063763.D
Acq: 1 Oct 2020 11:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	155187		
111	102.3	81.8	122.8	
192	17.8	14.2	21.2	

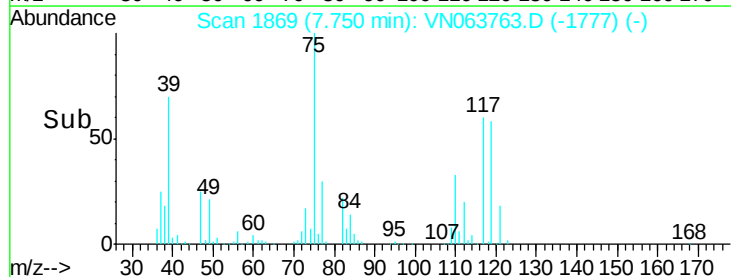
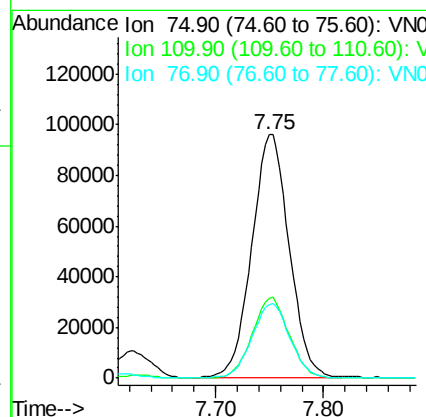
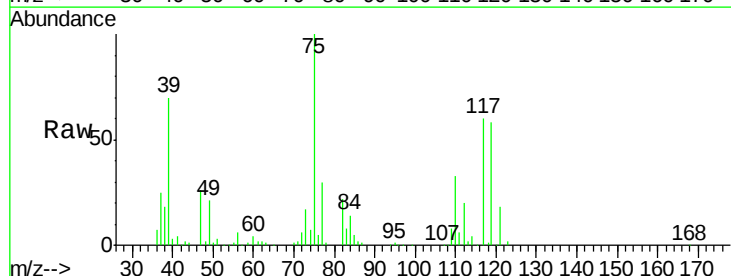
Manual Integrations
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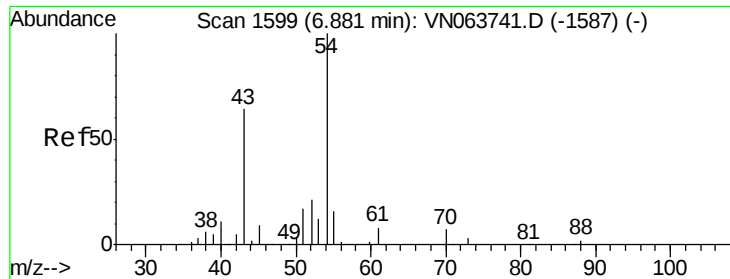
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#36
1,1-Dichloropropene
Concen: 47.830 ug/l
RT: 7.75 min Scan# 1869
Delta R.T. -0.00 min
Lab File: VN063763.D
Acq: 1 Oct 2020 11:04

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	229900		
110	32.6	16.9	50.6	
77	31.4	24.5	36.7	





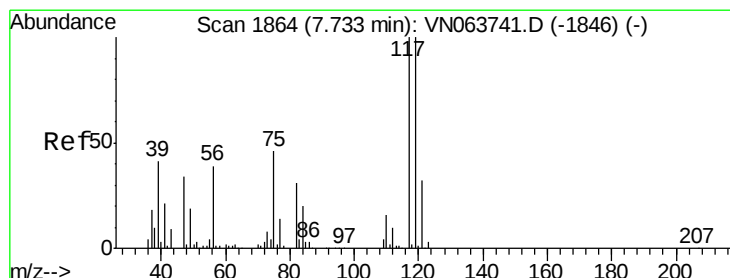
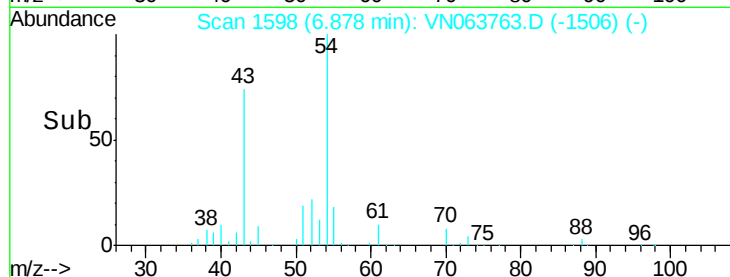
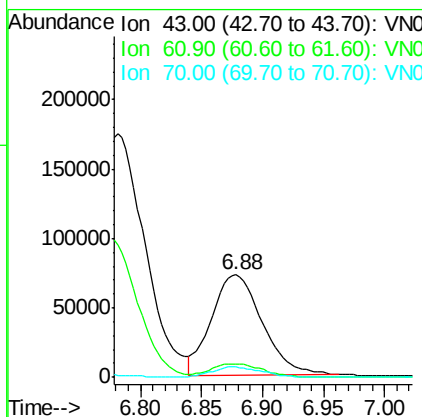
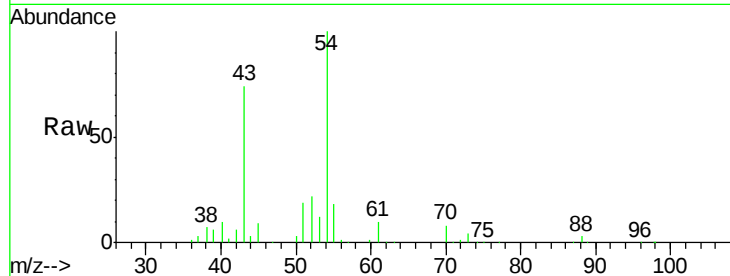
#37
Ethyl Acetate
Concen: 44.349 ug/l
RT: 6.88 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VN063763.D
Acq: 1 Oct 2020 11:04

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.4	15.6
70	10.2	7.3	10.9

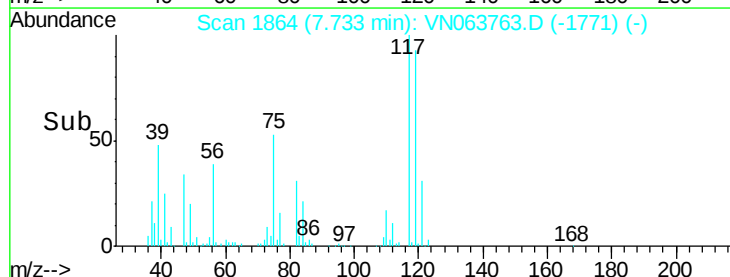
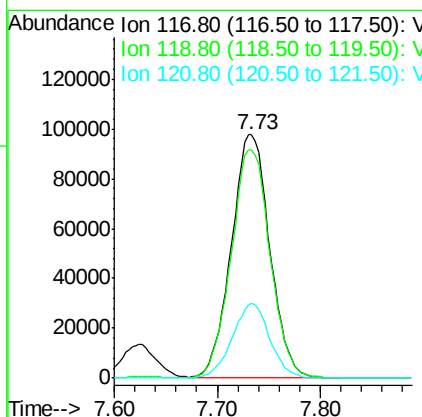
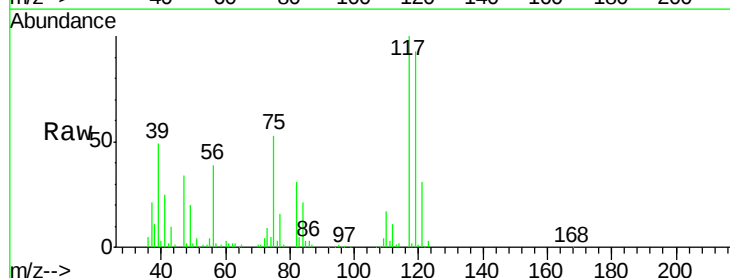
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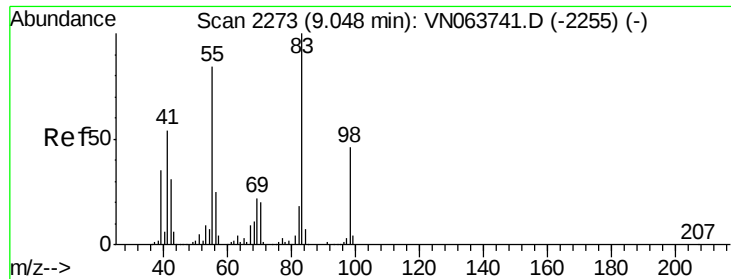
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#38
Carbon Tetrachloride
Concen: 46.882 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN063763.D
Acq: 1 Oct 2020 11:04

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.5	80.1	120.1
121	31.0	25.7	38.5





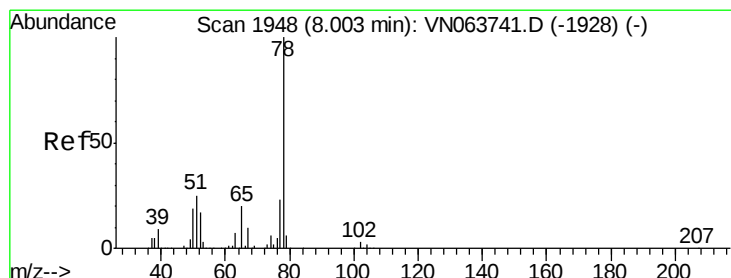
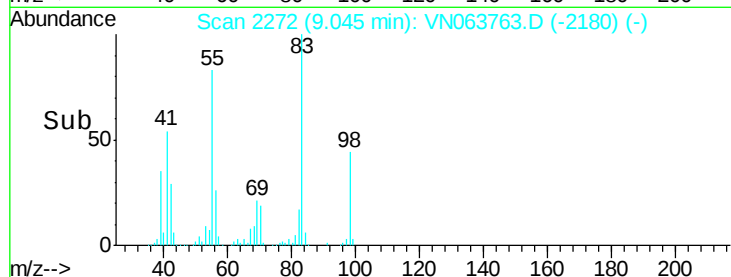
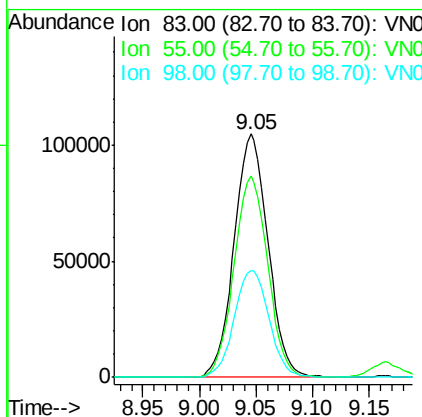
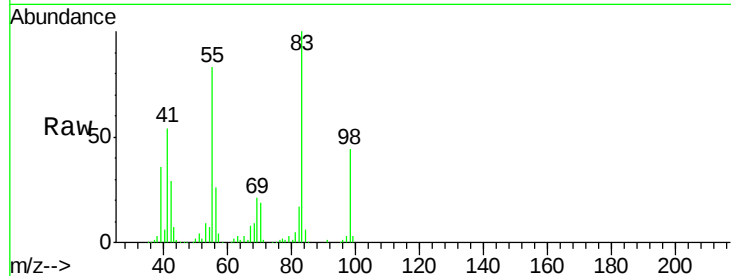
#39
Methvlcvclohexane
Concen: 45.670 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN063763.D
Acq: 1 Oct 2020 11:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.5	67.1	100.7
98	44.0	36.6	54.8

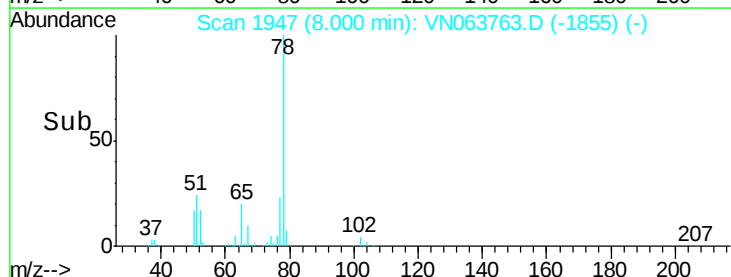
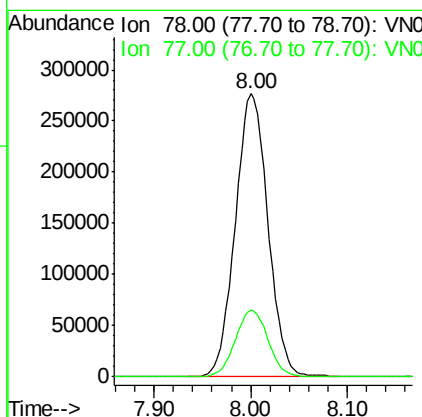
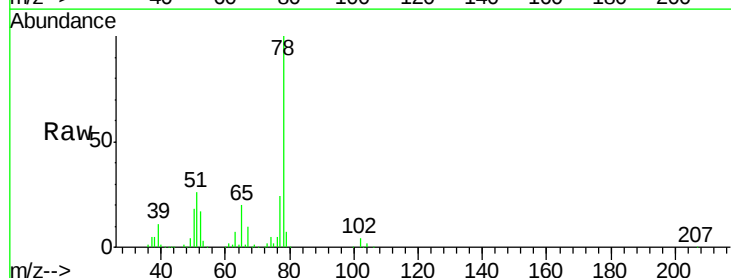
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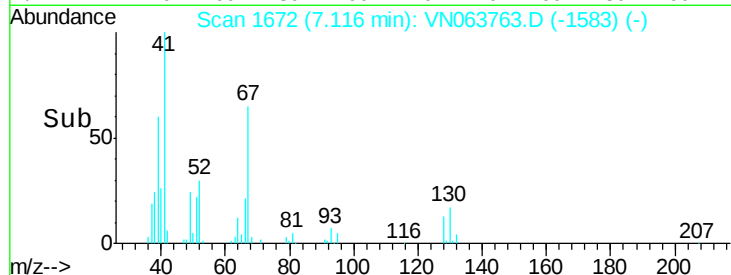
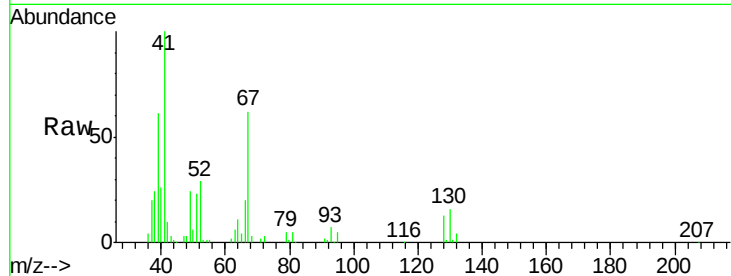
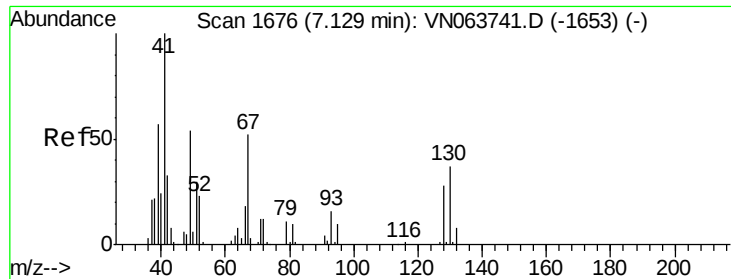
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#40
Benzene
Concen: 47.286 ug/l
RT: 8.00 min Scan# 1947
Delta R.T. -0.00 min
Lab File: VN063763.D
Acq: 1 Oct 2020 11:04

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.7	28.1





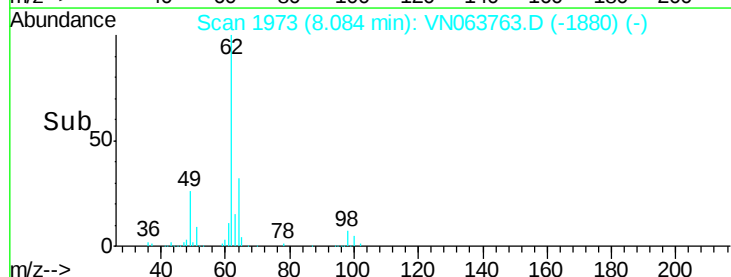
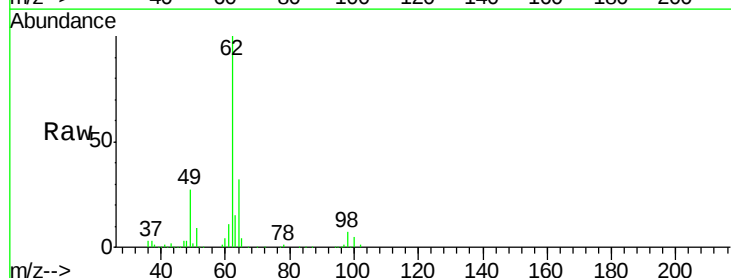
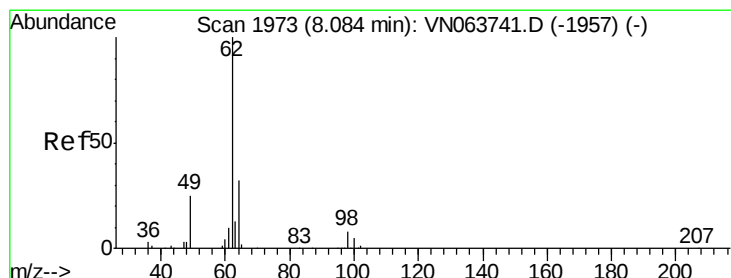
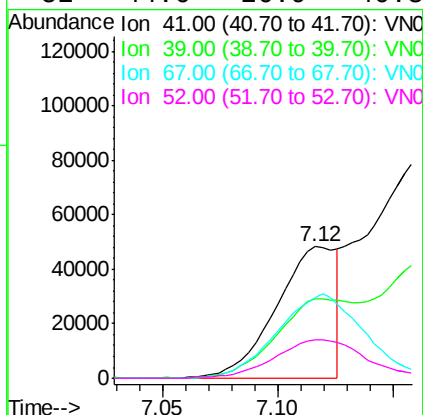
#41
Methacrylonitrile
Concen: 41.740 ug/l m
RT: 7.12 min Scan# 1672
Delta R.T. -0.01 min
Lab File: VN063763.D
Acq: 1 Oct 2020 11:04

Tot Ion: 41 Resp: 88589
Ion Ratio Lower Upper
41 100
39 72.0 42.5 63.7#
67 92.0 57.4 86.2#
52 44.6 26.9 40.3#

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

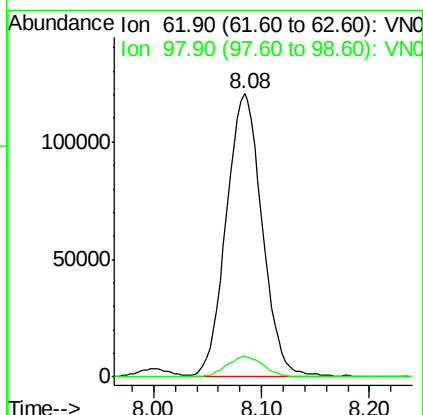
Manual Integrations
APPROVED

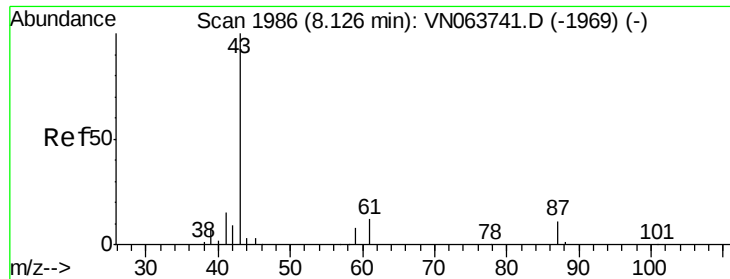
MMDadoda
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#42
1,2-Dichloroethane
Concen: 47.375 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VN063763.D
Acq: 1 Oct 2020 11:04

Tgt Ion: 62 Resp: 277633
Ion Ratio Lower Upper
62 100
98 7.4 0.0 15.0





#43

Isopropyl Acetate

Concen: 48.980 ug/l

RT: 8.12 min Scan# 1985

Delta R.T. -0.00 min

Lab File: VN063763.D

Acq: 1 Oct 2020 11:04

Instrument :

MSVOA_N

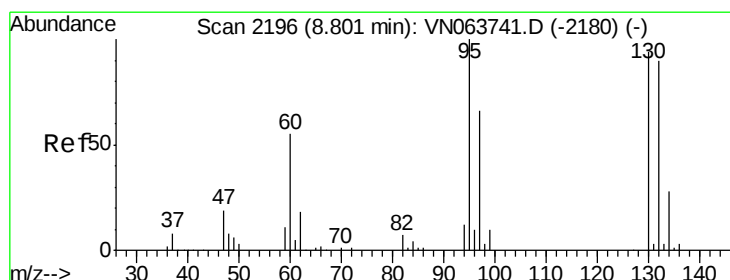
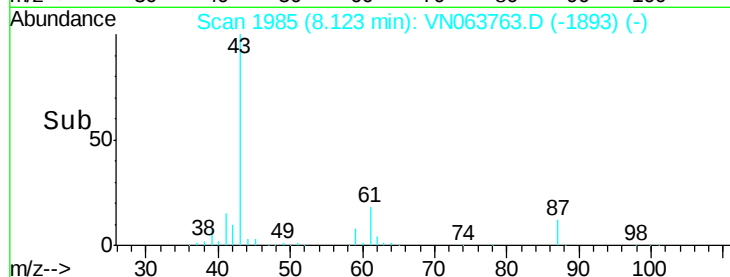
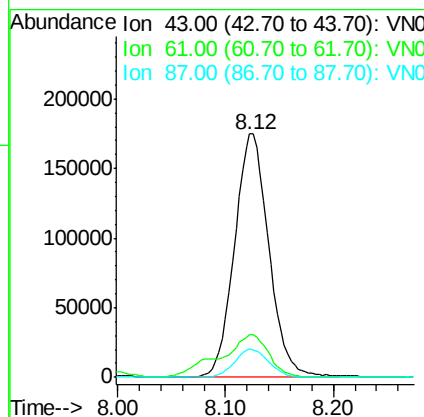
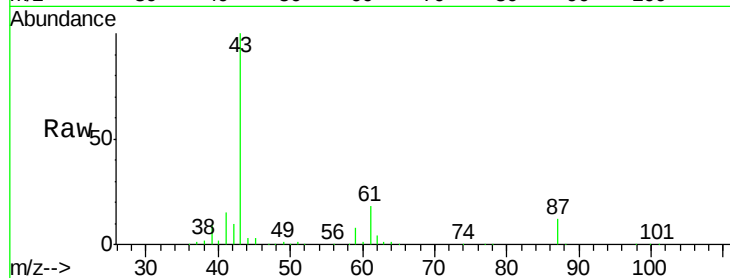
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	385808
Ion	Ratio	Lower	Upper
43	100		
61	18.3	14.2	21.4
87	11.6	9.0	13.6

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#44

Trichloroethene

Concen: 47.001 ug/l

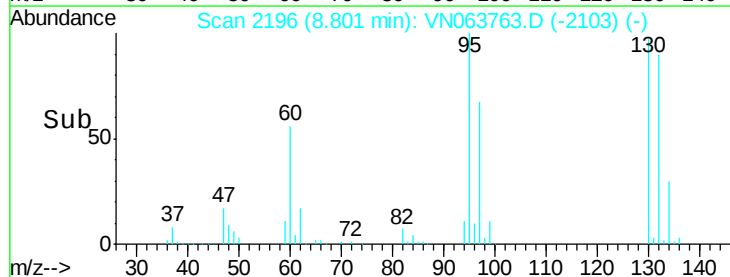
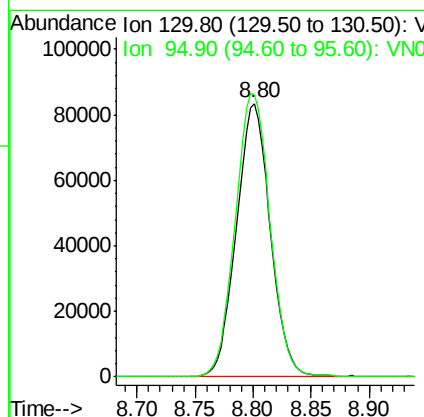
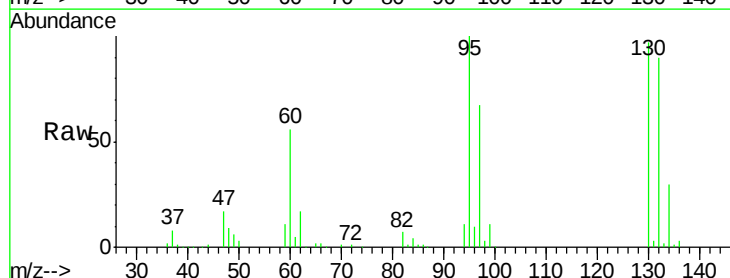
RT: 8.80 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN063763.D

Acq: 1 Oct 2020 11:04

Tgt Ion:	130	Resp:	169069
Ion	Ratio	Lower	Upper
130	100		
95	103.0	0.0	213.6





#45

1,2-Dichloropropane

Concen: 47.586 ug/l

RT: 9.08 min Scan# 2284

Delta R.T. 0.00 min

Lab File: VN063763.D

Acq: 1 Oct 2020 11:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 176436

Ion Ratio Lower Upper

63 100

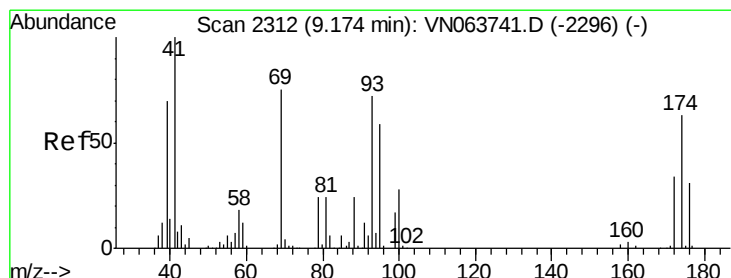
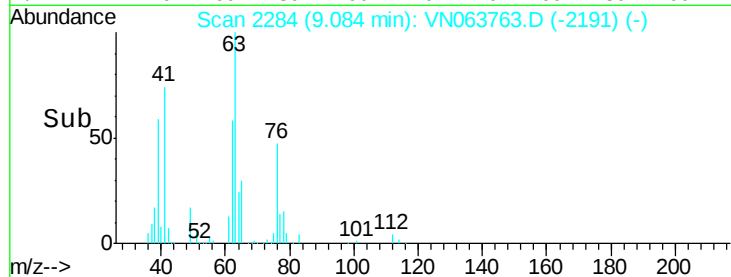
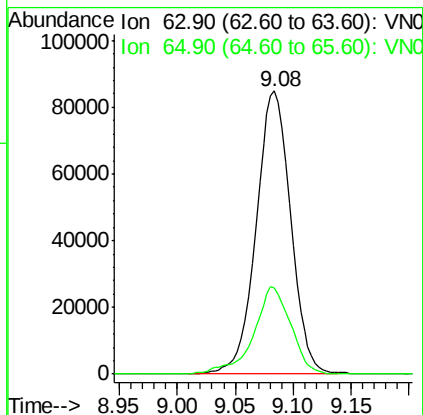
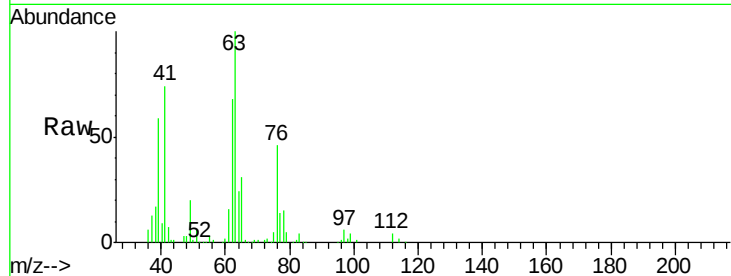
65 30.6 24.7 37.1

Manual Integrations

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#46

Dibromomethane

Concen: 47.410 ug/l

RT: 9.17 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN063763.D

Acq: 1 Oct 2020 11:04

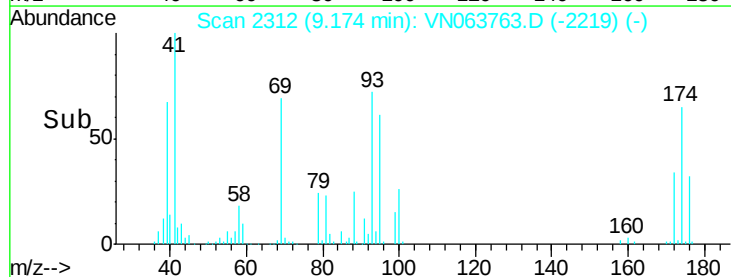
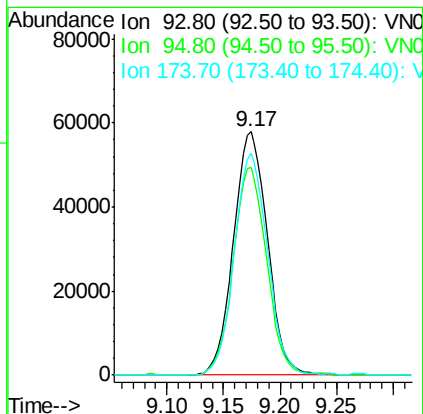
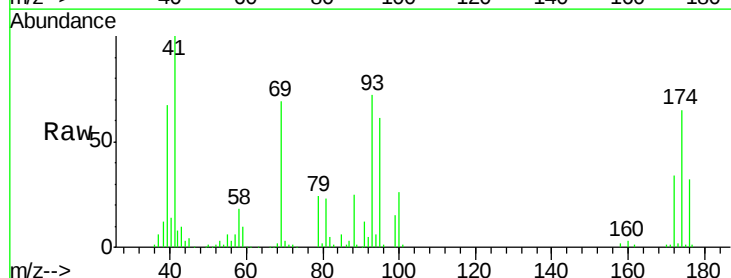
Tgt Ion: 93 Resp: 121265

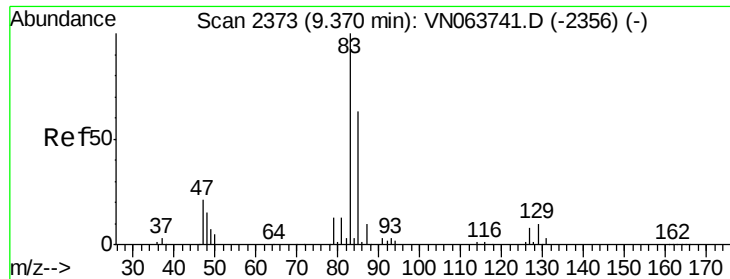
Ion Ratio Lower Upper

93 100

95 83.6 66.3 99.5

174 89.0 72.7 109.1





#47

Bromodichloromethane

Concen: 48.660 ug/l

RT: 9.37 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN063763.D

Acq: 1 Oct 2020 11:04

Instrument :

MSVOA_N

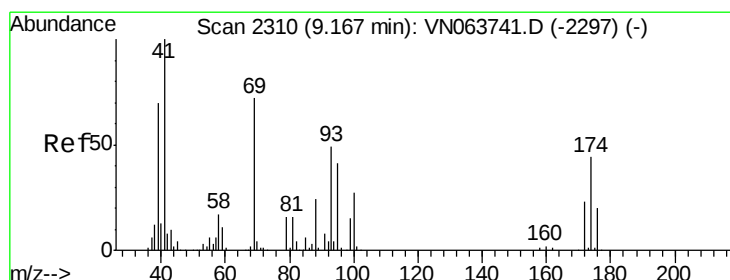
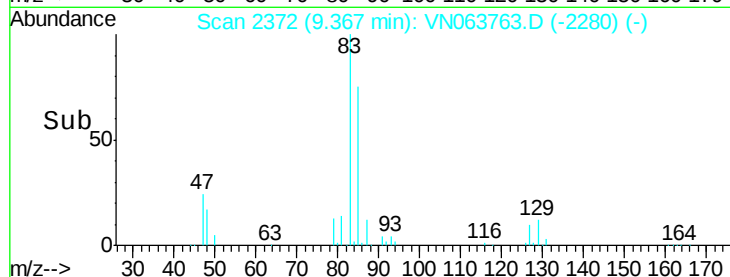
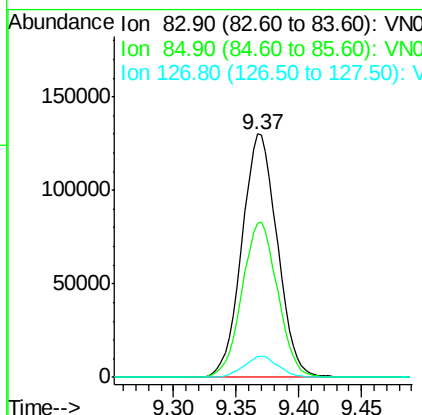
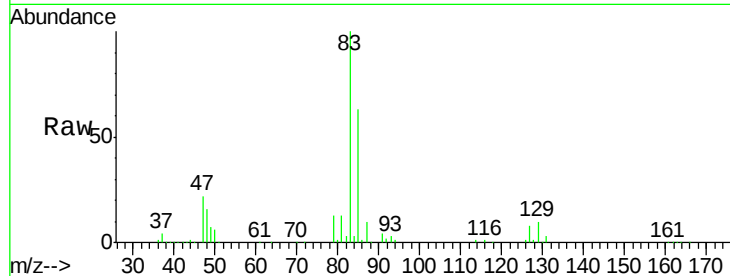
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	256511
Ion Ratio	Lower	Upper	
83	100		
85	63.3	50.6	75.8
127	8.4	6.6	9.8

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#48

Methyl methacrylate

Concen: 51.020 ug/l

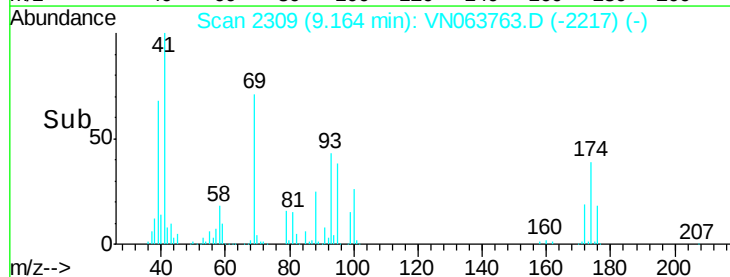
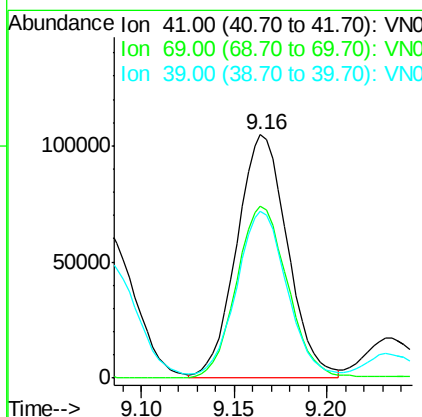
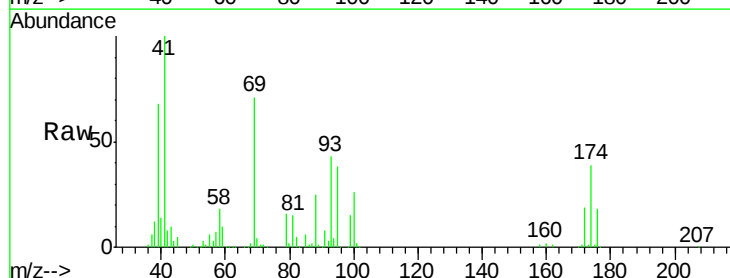
RT: 9.16 min Scan# 2309

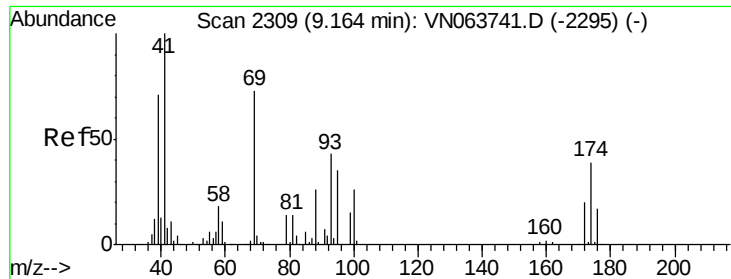
Delta R.T. -0.00 min

Lab File: VN063763.D

Acq: 1 Oct 2020 11:04

Tgt Ion:	41	Resp:	198554
Ion Ratio	Lower	Upper	
41	100		
69	72.0	60.9	91.3
39	68.7	57.5	86.3





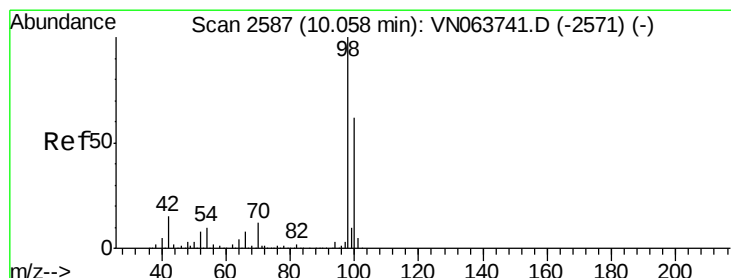
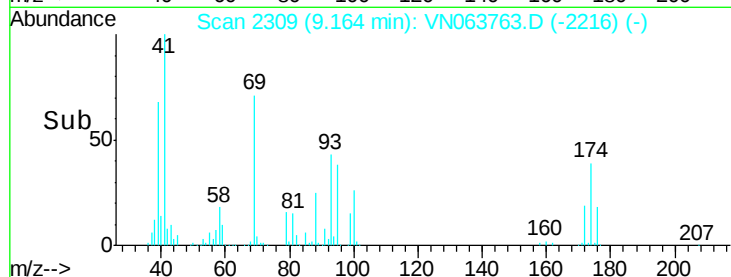
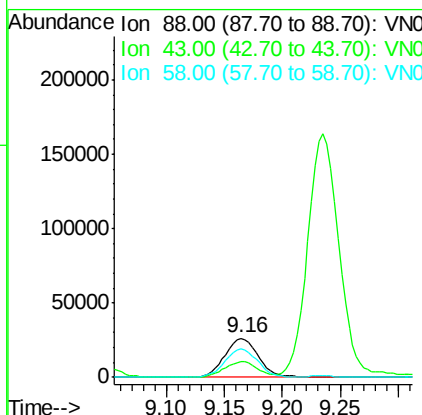
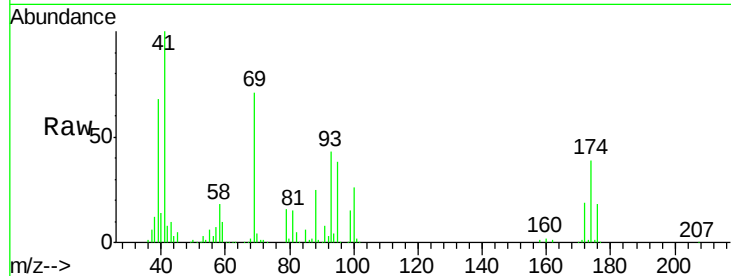
#49
1,4-Dioxane
Concen: 963.472 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN063763.D
Acq: 1 Oct 2020 11:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	53289
Ion Ratio	Lower	Upper	
88	100		
43	38.1	33.1	49.7
58	70.0	58.9	88.3

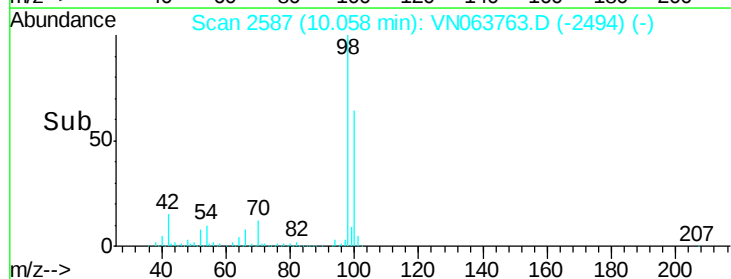
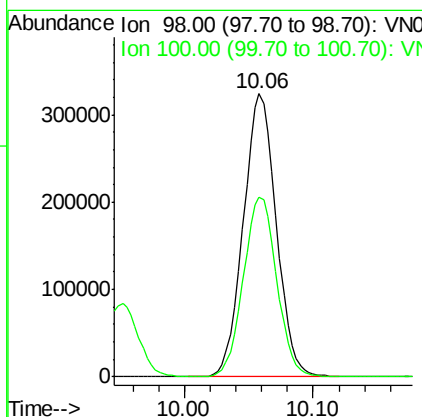
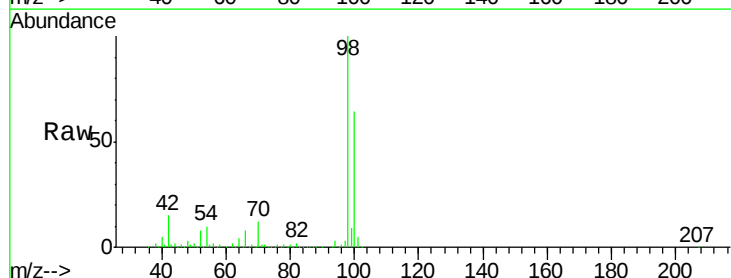
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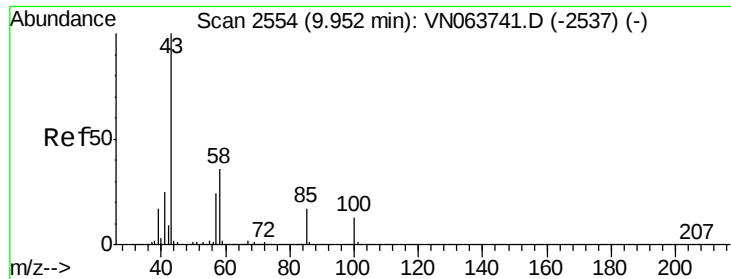
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#50
Toluene-d8
Concen: 46.222 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN063763.D
Acq: 1 Oct 2020 11:04

Tgt Ion	98	Resp	576843
Ion Ratio	Lower	Upper	
98	100		
100	64.0	49.8	74.6





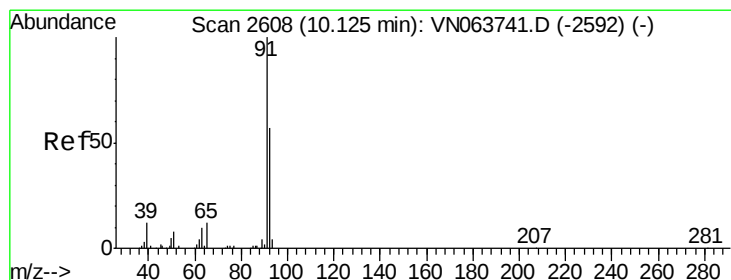
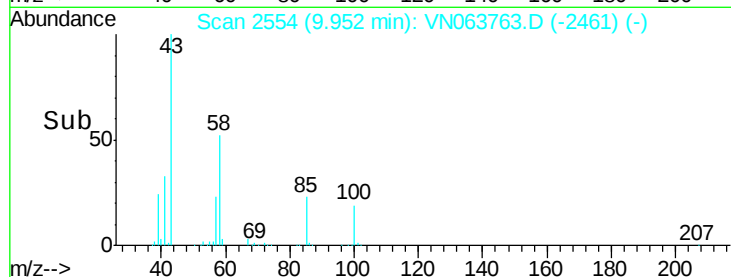
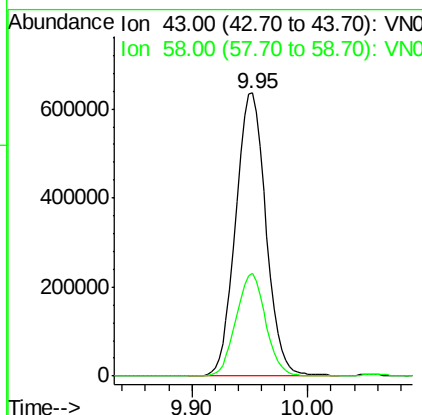
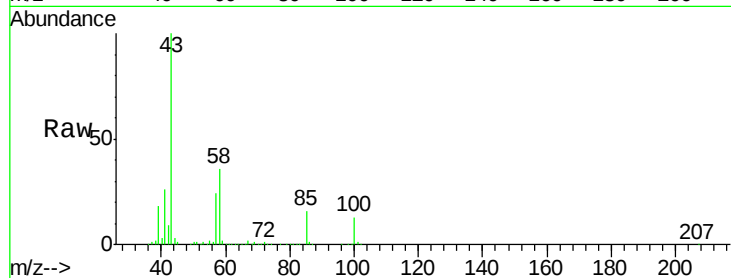
#51
4-Methyl-2-Pentanone
Concen: 249.180 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN063763.D
Acq: 1 Oct 2020 11:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1151841
Ion Ratio Lower Upper
43 100
58 35.6 28.4 42.6

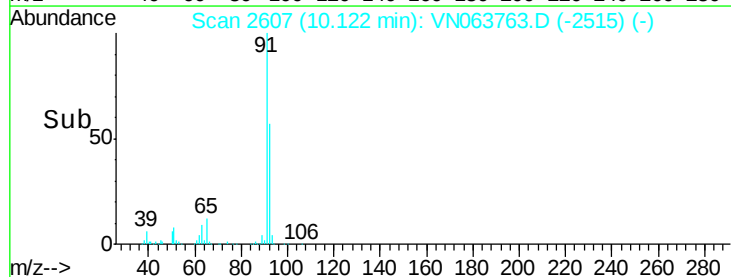
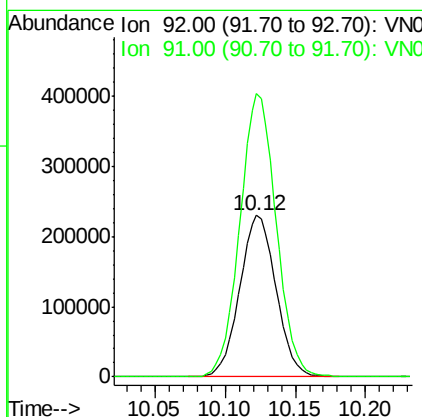
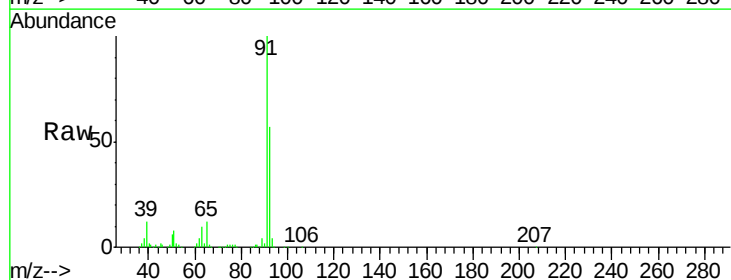
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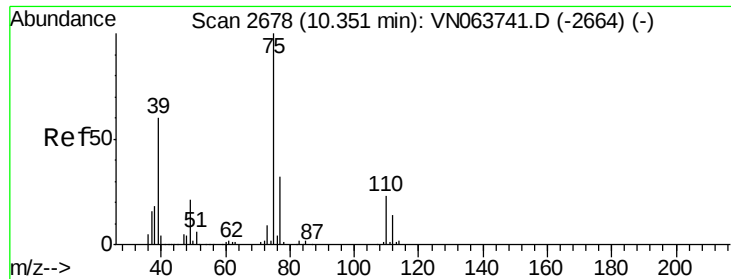
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#52
Toluene
Concen: 48.875 ug/l
RT: 10.12 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN063763.D
Acq: 1 Oct 2020 11:04

Tgt Ion: 92 Resp: 415040
Ion Ratio Lower Upper
92 100
91 175.6 140.6 210.8





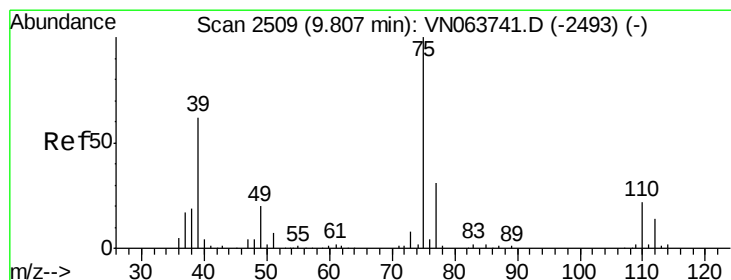
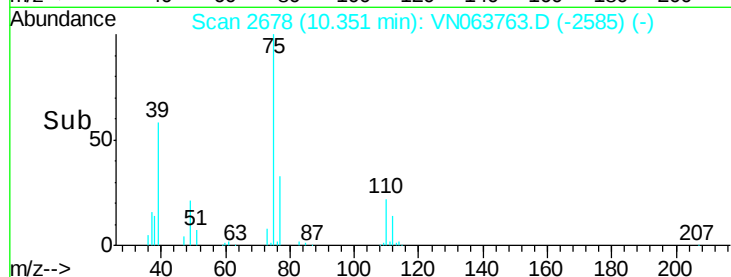
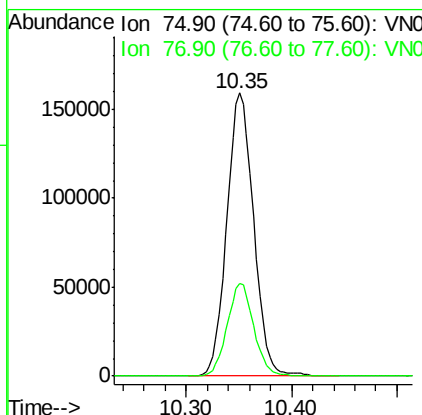
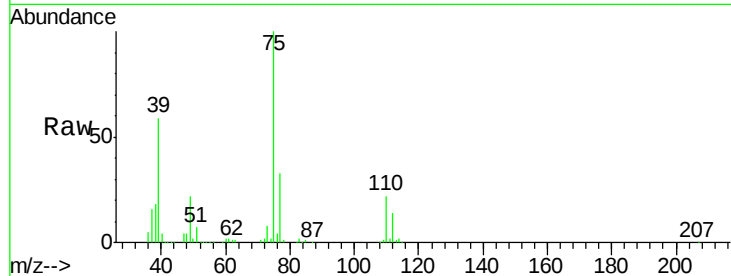
#53
t-1,3-Dichloropropene
Concen: 49.579 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN063763.D
Acq: 1 Oct 2020 11:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 280155
Ion Ratio Lower Upper
75 100
77 32.9 25.3 37.9

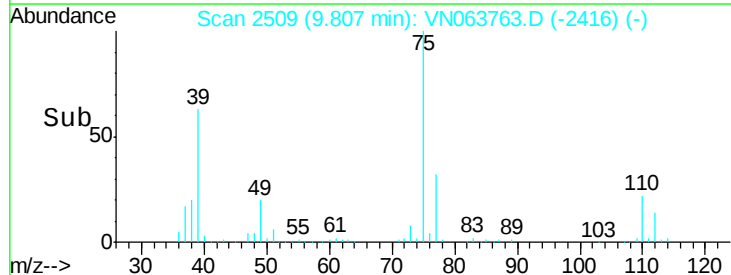
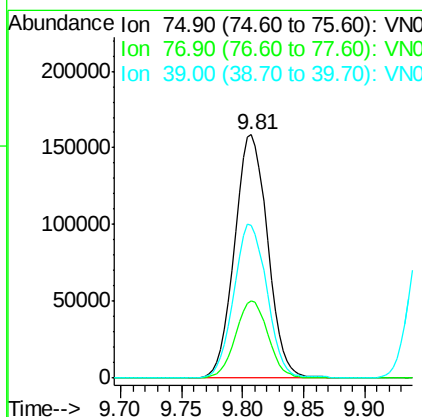
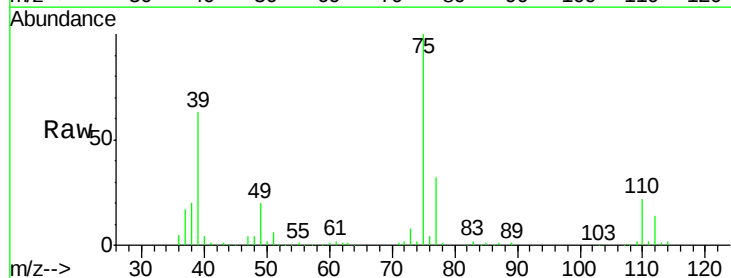
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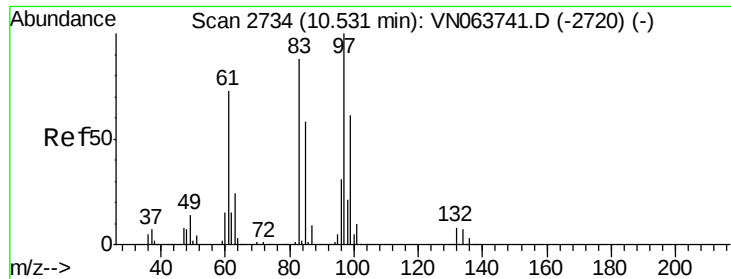
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 50.504 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN063763.D
Acq: 1 Oct 2020 11:04

Tgt Ion: 75 Resp: 298459
Ion Ratio Lower Upper
75 100
77 31.9 24.6 36.8
39 62.8 49.7 74.5





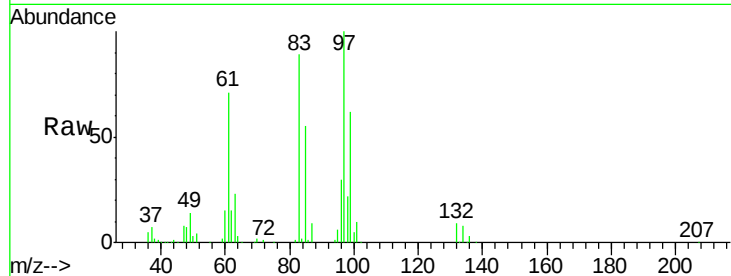
#55
 1,1,2-Trichloroethane
 Concen: 48.734 ug/l
 RT: 10.53 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN063763.D
 Acq: 1 Oct 2020 11:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	165963
Ion	Ratio	Lower	Upper
97	100		
83	88.5	70.7	106.1
85	55.2	46.1	69.1
99	61.9	48.8	73.2

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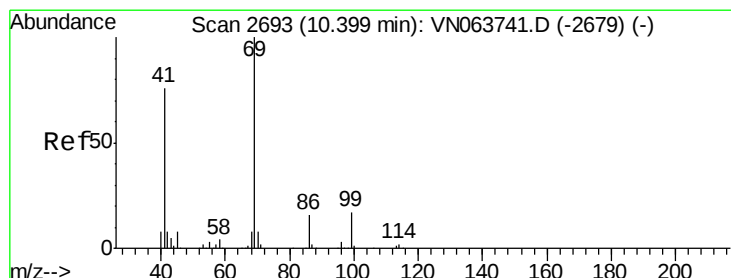
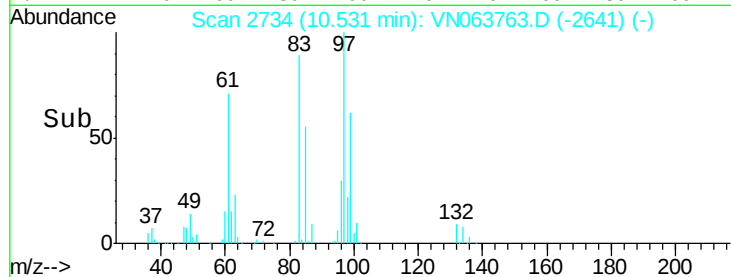
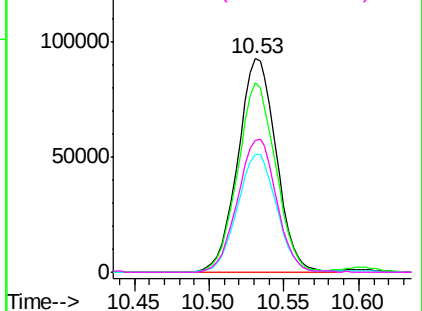


Abundance Ion 96.90 (96.60 to 97.60): VN063763.D (-2641) (-)

Ion 82.90 (82.60 to 83.60): VN063763.D (-2641) (-)

Ion 84.90 (84.60 to 85.60): VN063763.D (-2641) (-)

Ion 98.90 (98.60 to 99.60): VN063763.D (-2641) (-)



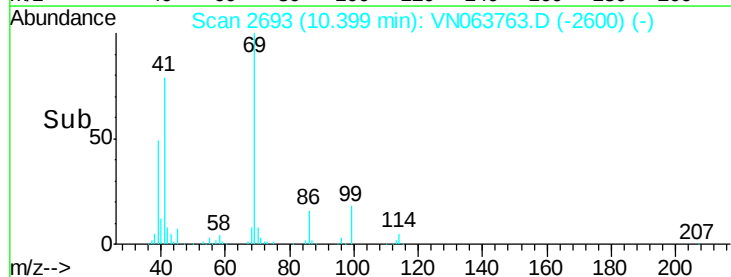
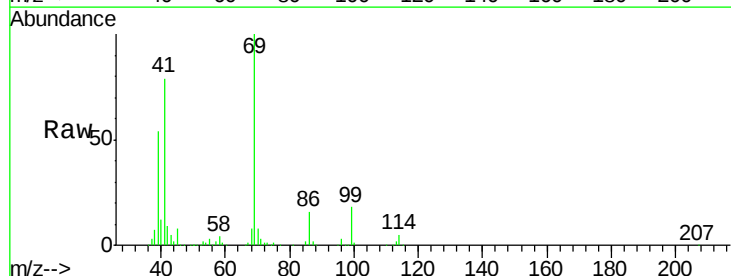
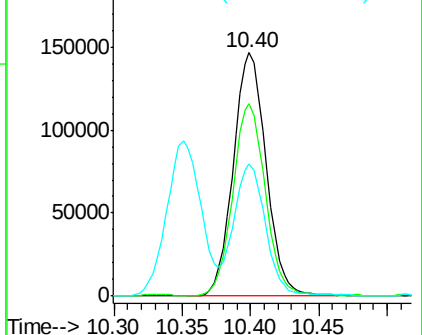
#56
 Ethyl methacrylate
 Concen: 50.880 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN063763.D
 Acq: 1 Oct 2020 11:04

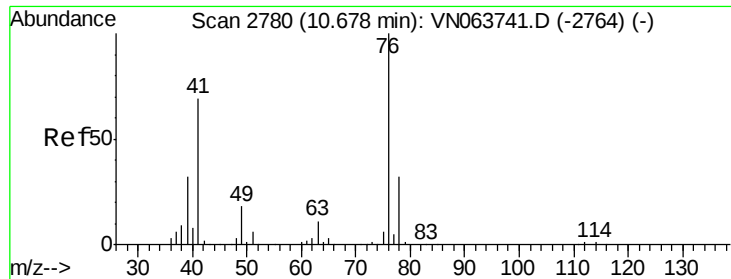
Tgt Ion:	69	Resp:	245605
Ion	Ratio	Lower	Upper
69	100		
41	77.5	61.1	91.7
39	52.3	42.2	63.4

Abundance Ion 69.00 (68.70 to 69.70): VN063763.D (-2600) (-)

Ion 41.00 (40.70 to 41.70): VN063763.D (-2600) (-)

Ion 39.00 (38.70 to 39.70): VN063763.D (-2600) (-)





#57

1,3-Dichloropropane

Concen: 49.374 ug/l

RT: 10.68 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN063763.D

Acq: 1 Oct 2020 11:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 284472

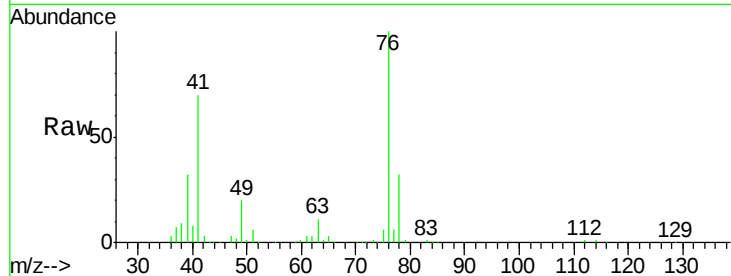
Ion Ratio Lower Upper

76 100

78 32.4 25.2 37.8

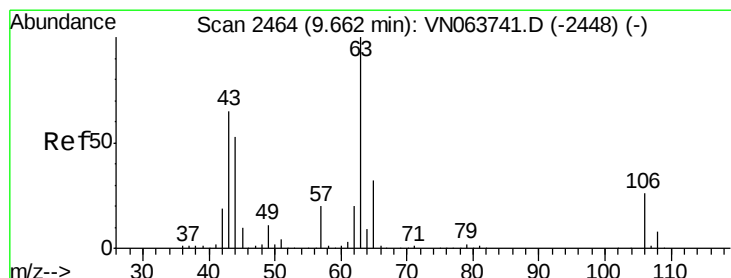
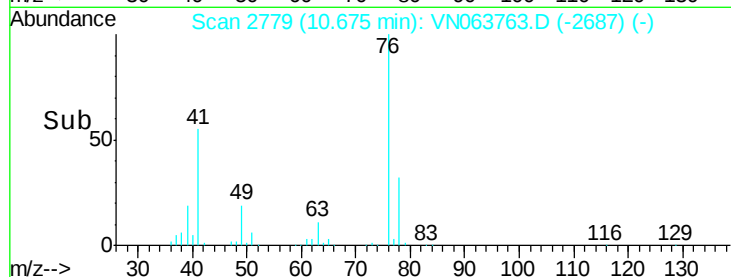
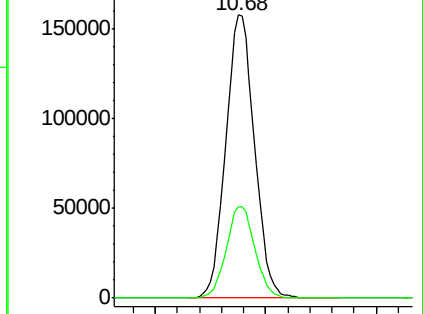
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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 256.891 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN063763.D

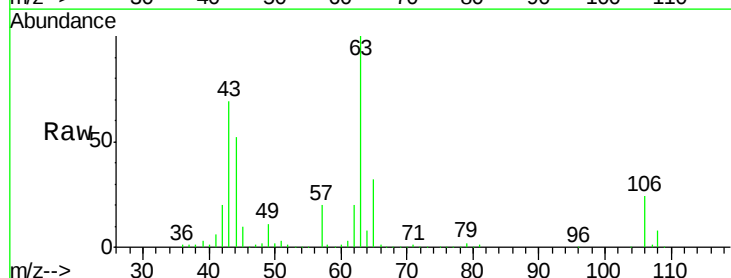
Acq: 1 Oct 2020 11:04

Tgt Ion: 63 Resp: 663320

Ion Ratio Lower Upper

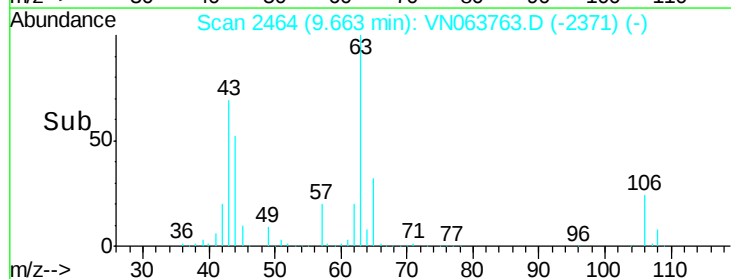
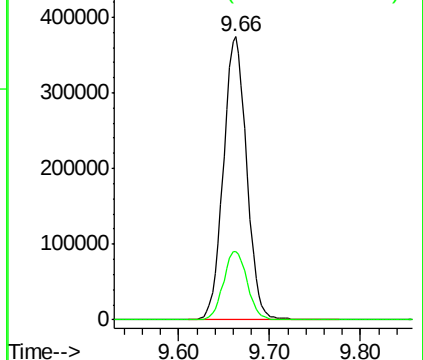
63 100

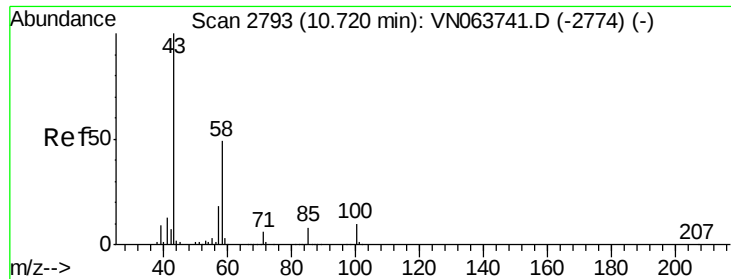
106 24.9 20.7 31.1



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





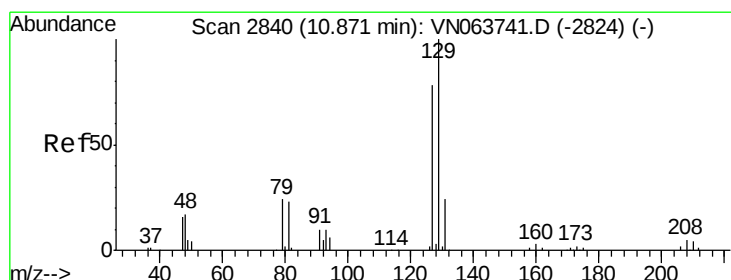
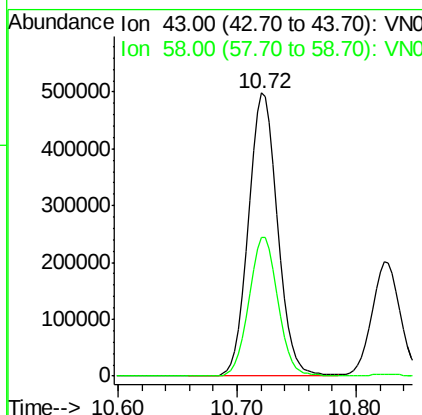
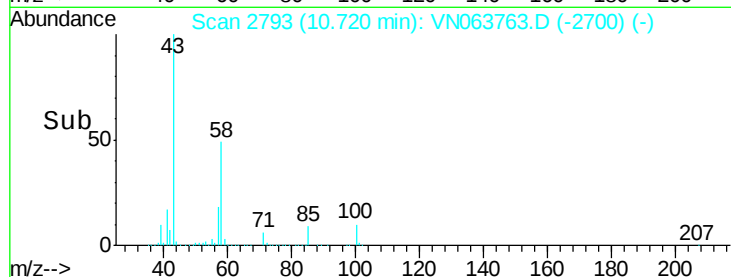
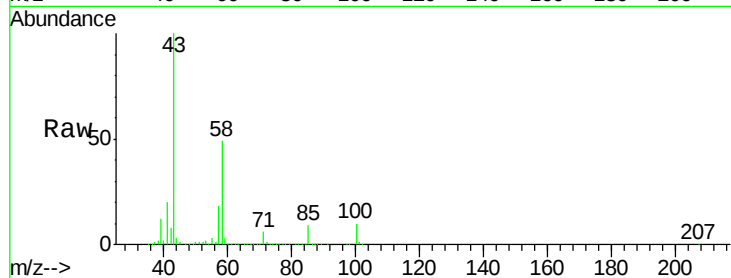
#59
2-Hexanone
Concen: 246.079 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN063763.D
Acq: 1 Oct 2020 11:04

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 43 Resp: 845009
Ion Ratio Lower Upper
43 100
58 49.0 24.6 73.8

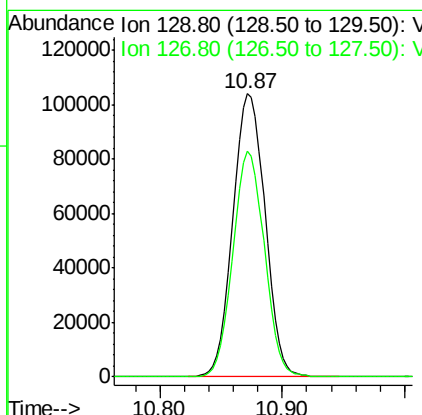
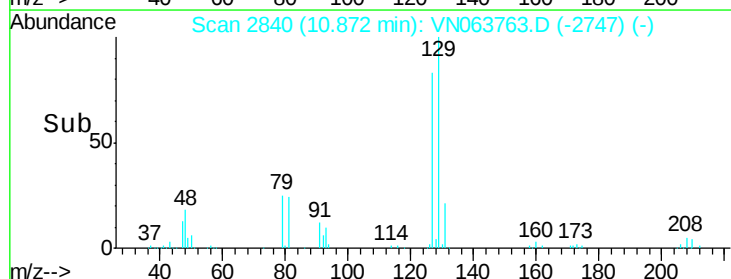
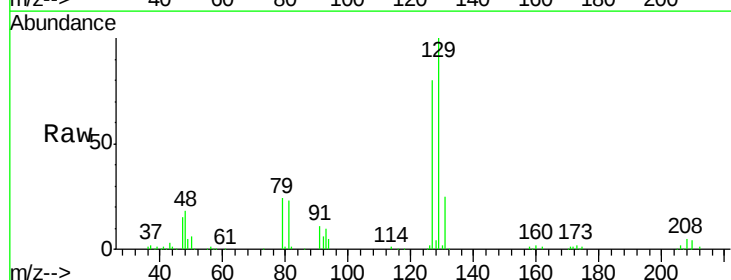
Manual Integrations
APPROVED

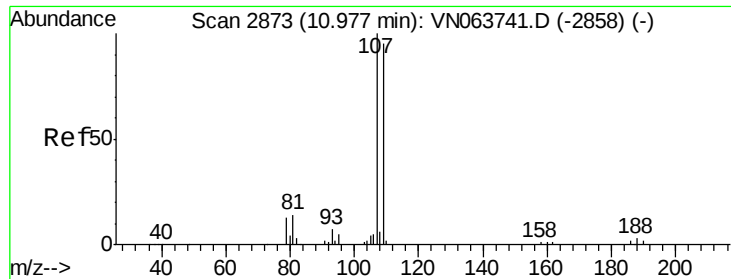
MMDadoda
10/2/2020 3:11:12 PM



#60
Dibromochloromethane
Concen: 48.113 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN063763.D
Acq: 1 Oct 2020 11:04

Tgt Ion: 129 Resp: 190815
Ion Ratio Lower Upper
129 100
127 78.0 38.9 116.7





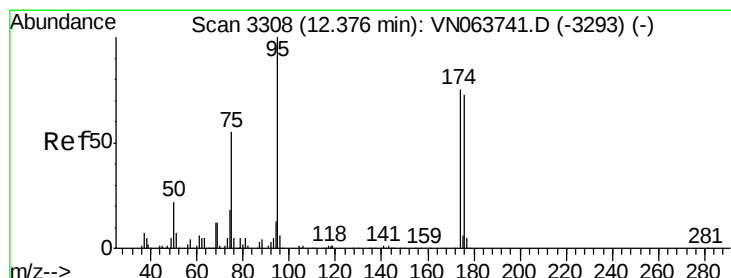
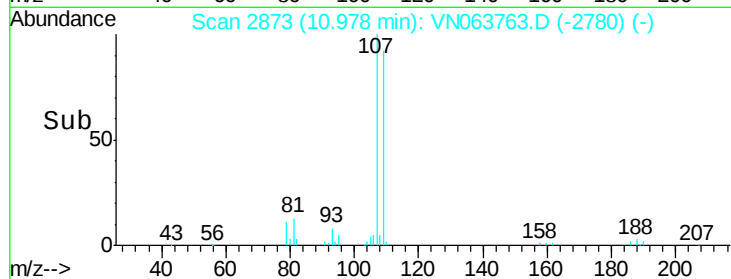
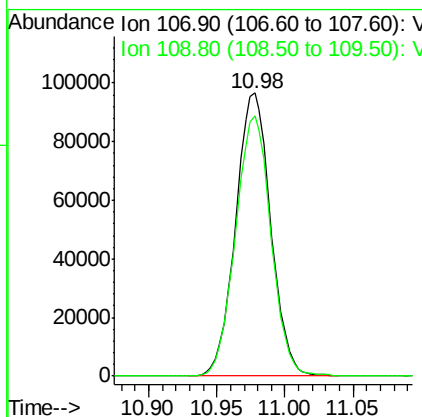
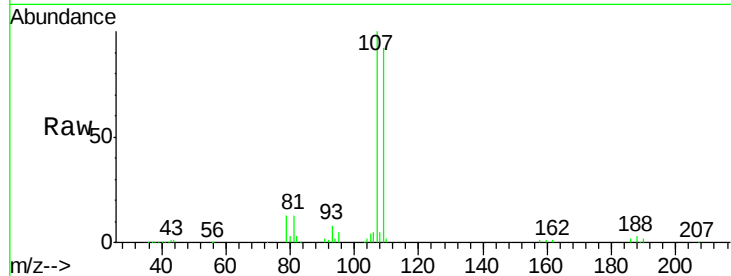
#61
 1,2-Dibromoethane
 Concen: 49.574 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN063763.D
 Acq: 1 Oct 2020 11:04

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.1	74.8	112.2

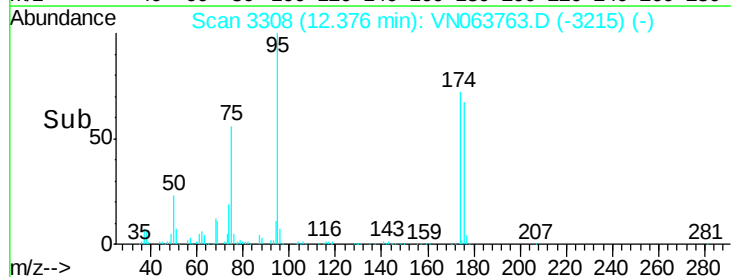
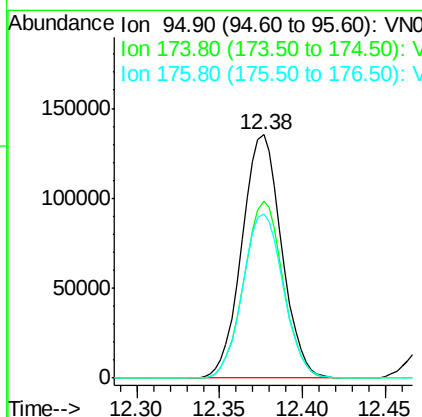
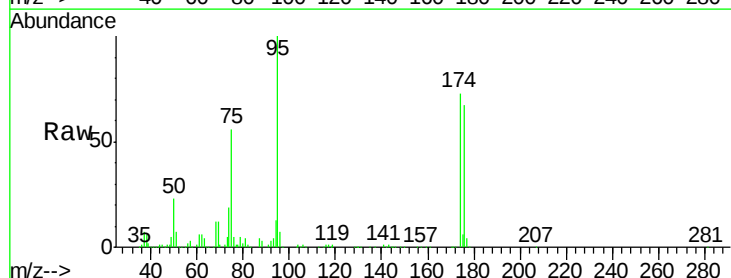
Manual Integrations
 APPROVED

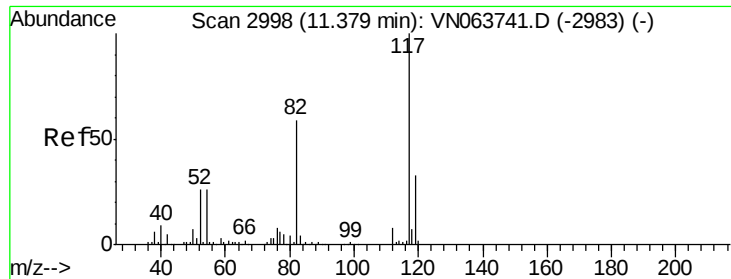
MMDadoda
 10/2/2020 3:11:12 PM



#62
 4-Bromofluorobenzene
 Concen: 48.002 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.00 min
 Lab File: VN063763.D
 Acq: 1 Oct 2020 11:04

Tgt Ion	Ratio	Lower	Upper
95	100		
174	72.3	0.0	150.6
176	69.2	0.0	145.4





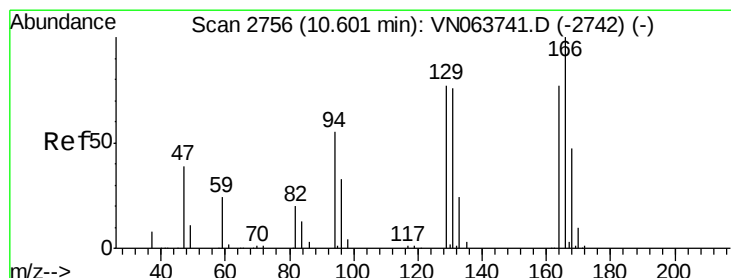
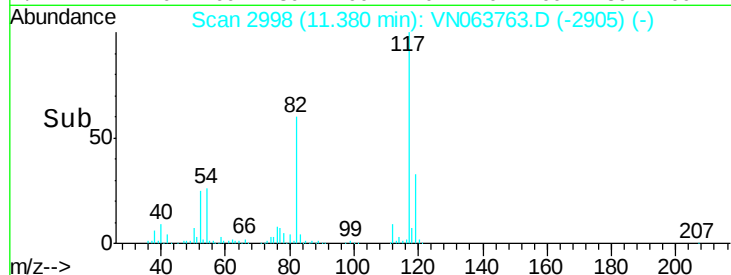
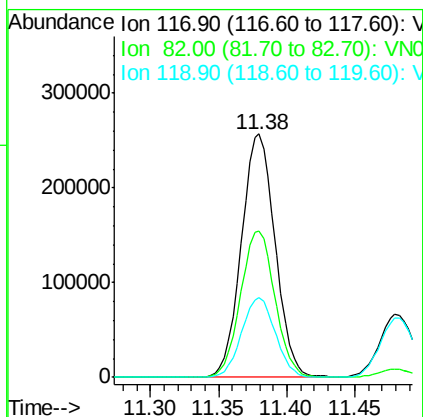
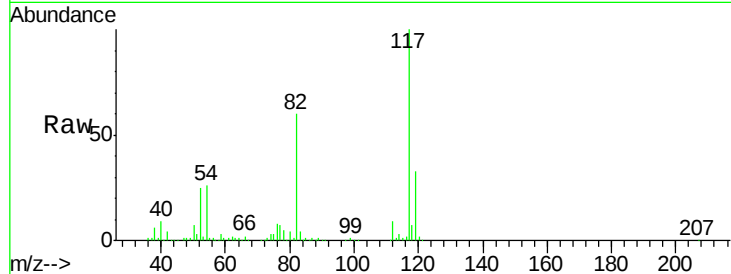
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063763.D
Acq: 1 Oct 2020 11:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.3	47.4	71.2
119	32.7	26.4	39.6

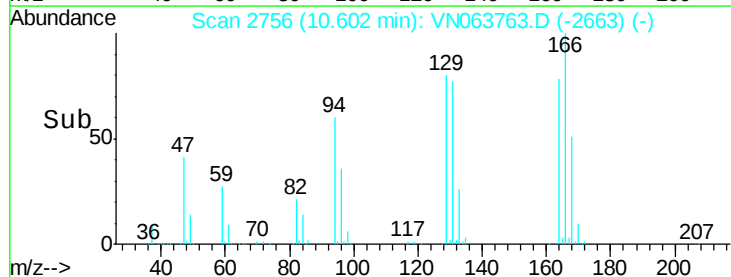
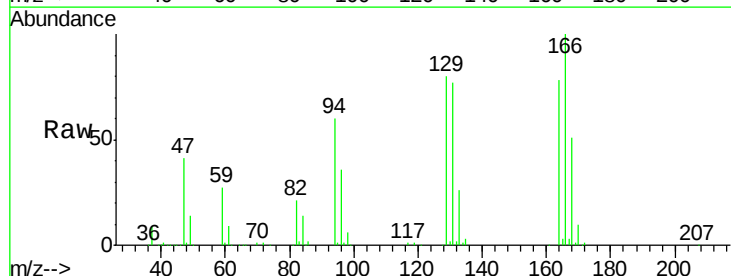
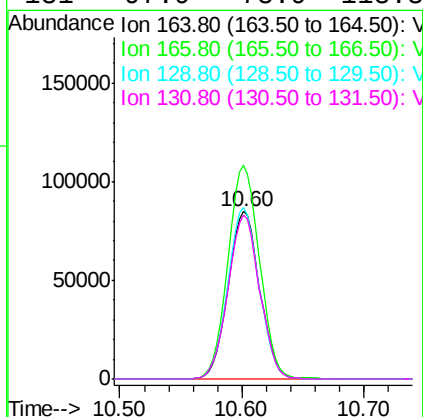
Manual Integrations
APPROVED

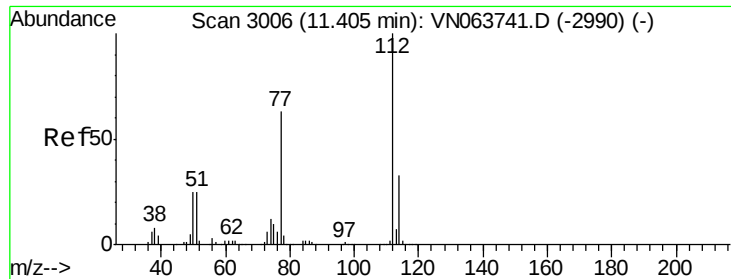
MMDadoda
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#64
Tetrachloroethene
Concen: 44.761 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN063763.D
Acq: 1 Oct 2020 11:04

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.7	103.9	155.9
129	102.4	80.3	120.5
131	97.9	78.9	118.3





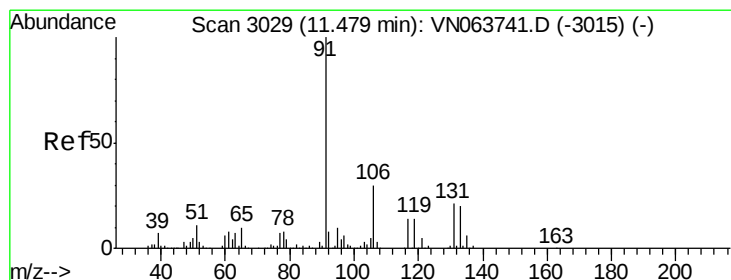
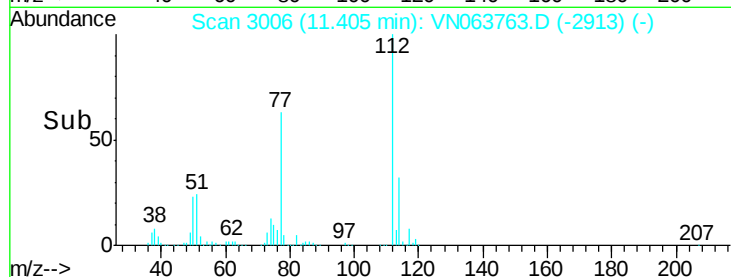
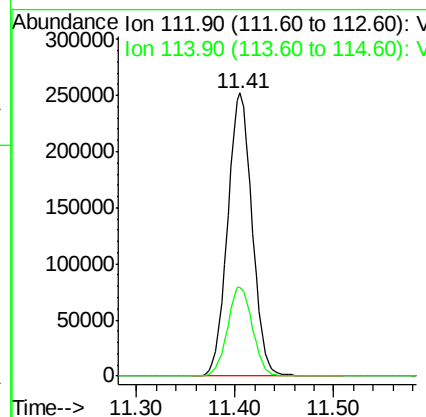
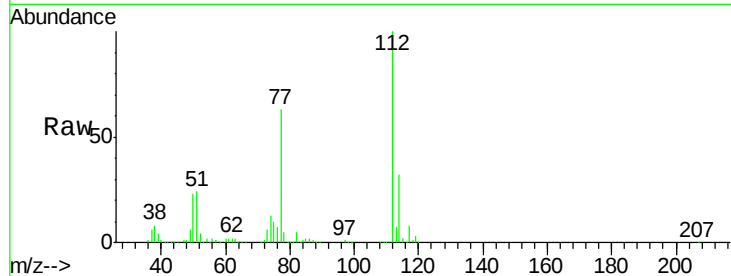
#65
Chlorobenzene
Concen: 48.457 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN063763.D
Acq: 1 Oct 2020 11:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 439545
Ion Ratio Lower Upper
112 100
114 31.6 26.1 39.1

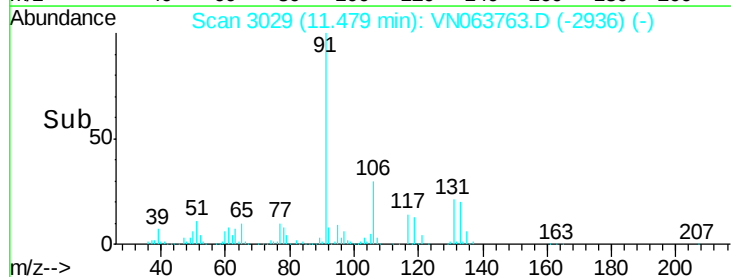
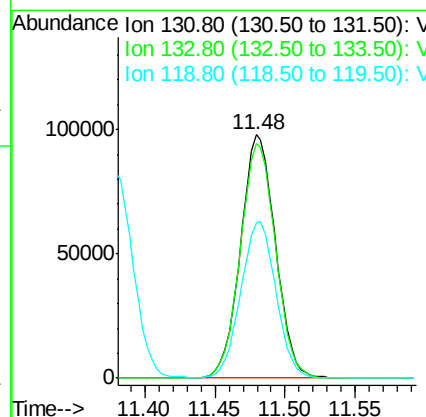
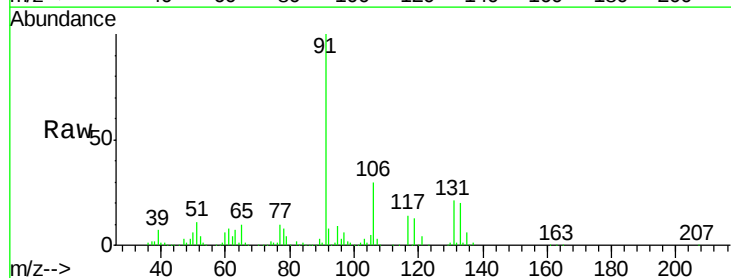
Manual Integrations
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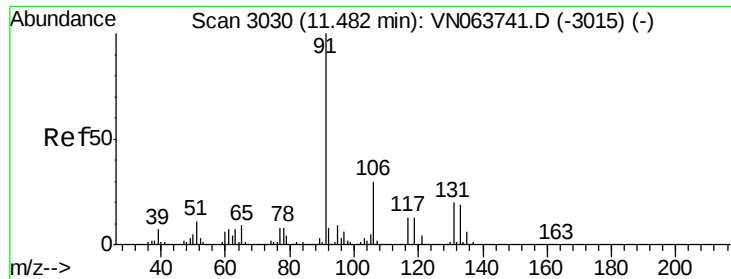
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#66
1,1,1,2-Tetrachloroethane
Concen: 48.827 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN063763.D
Acq: 1 Oct 2020 11:04

Tgt Ion:131 Resp: 169795
Ion Ratio Lower Upper
131 100
133 97.4 47.3 141.8
119 64.8 32.6 97.7





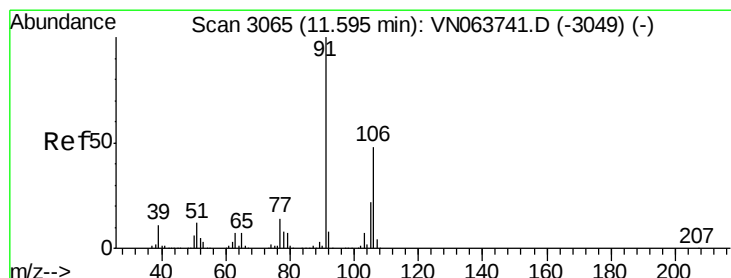
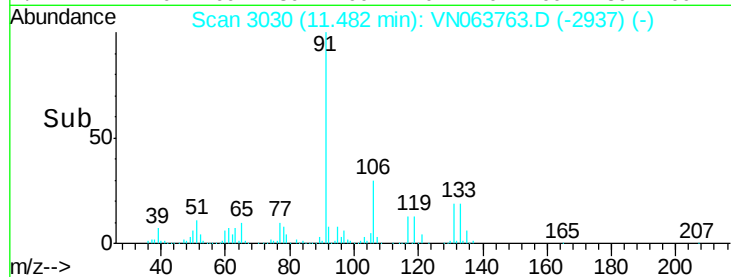
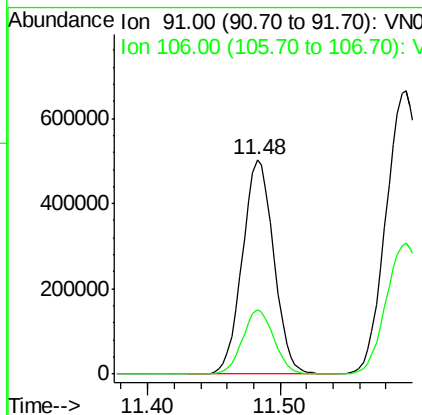
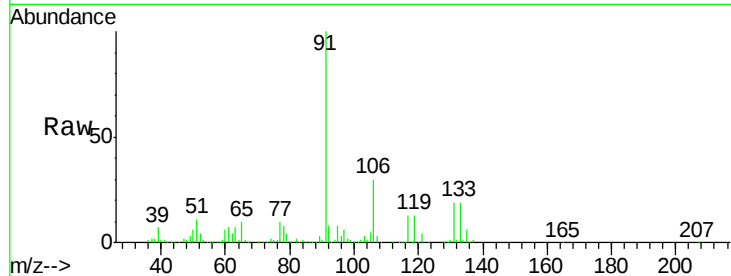
#67
Ethyl Benzene
Concen: 50.172 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN063763.D
Acq: 1 Oct 2020 11:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 828113
Ion Ratio Lower Upper
91 100
106 30.1 24.2 36.2

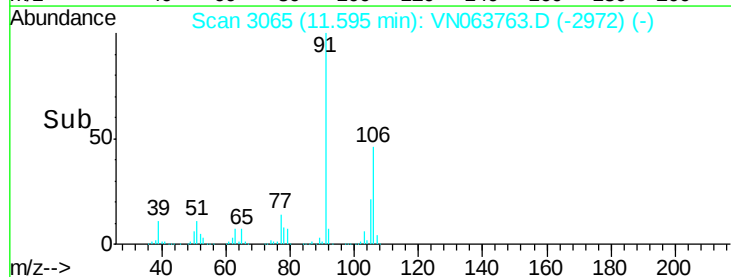
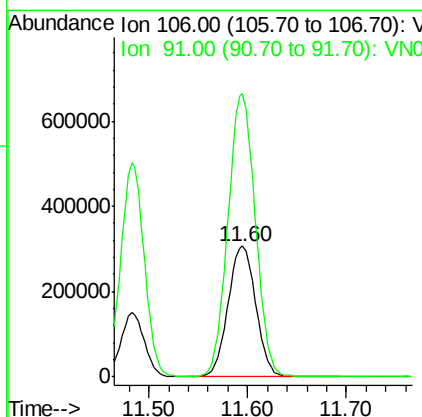
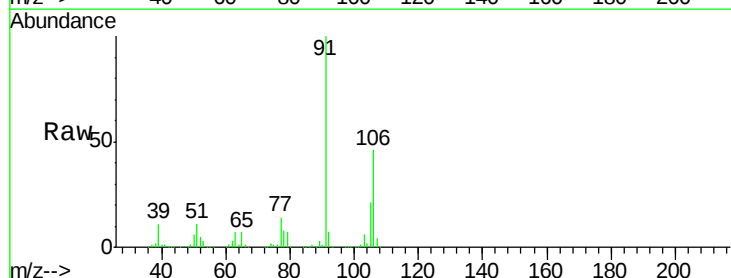
Manual Integrations
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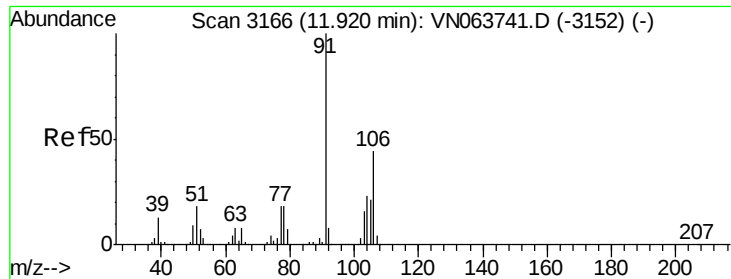
MMDadoda
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#68
m/p-Xylenes
Concen: 98.053 ug/l
RT: 11.60 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN063763.D
Acq: 1 Oct 2020 11:04

Tgt Ion: 106 Resp: 603177
Ion Ratio Lower Upper
106 100
91 213.7 168.0 252.0





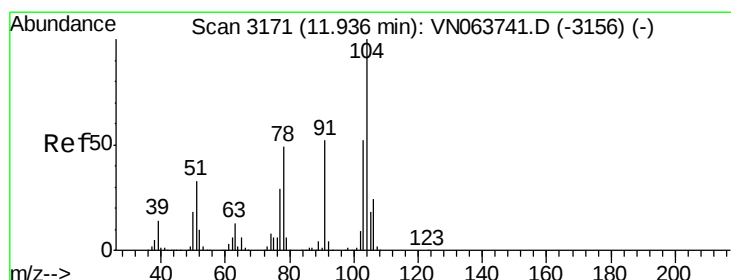
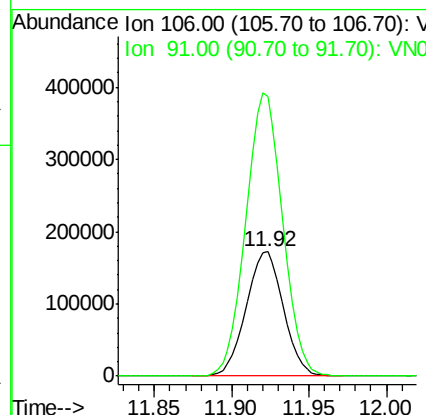
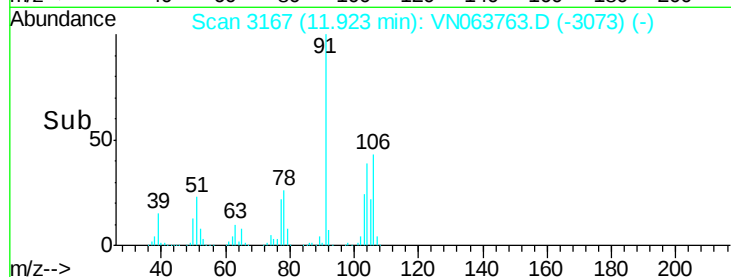
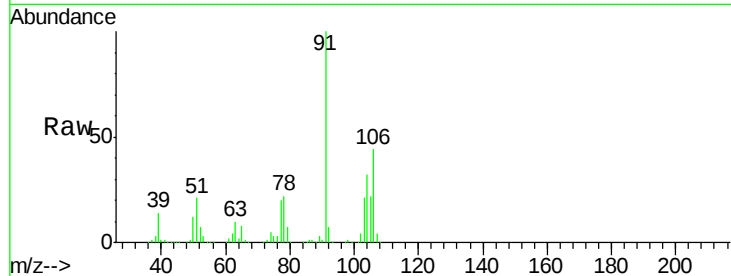
#69
o-Xylene
Concen: 50.395 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN063763.D
Acq: 1 Oct 2020 11:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 289753
Ion Ratio Lower Upper
106 100
91 224.1 112.7 338.0

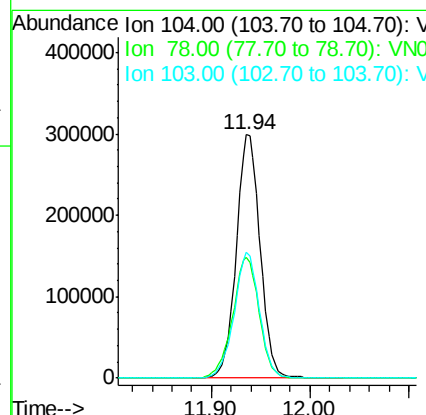
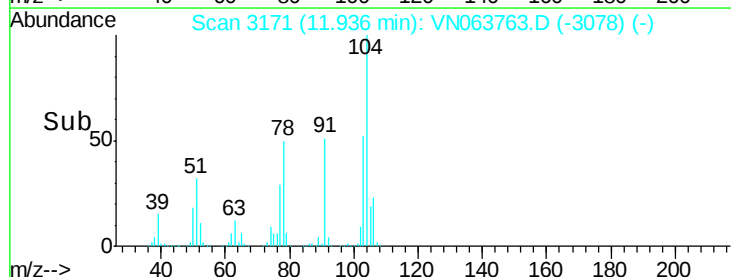
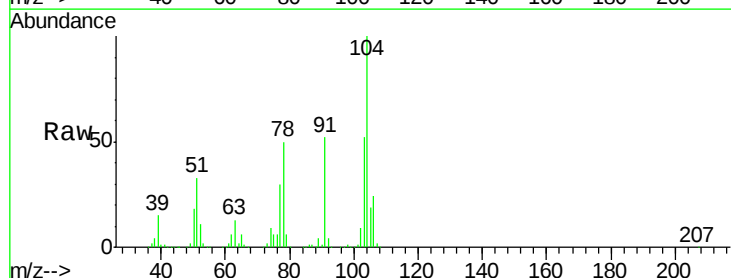
Manual Integrations
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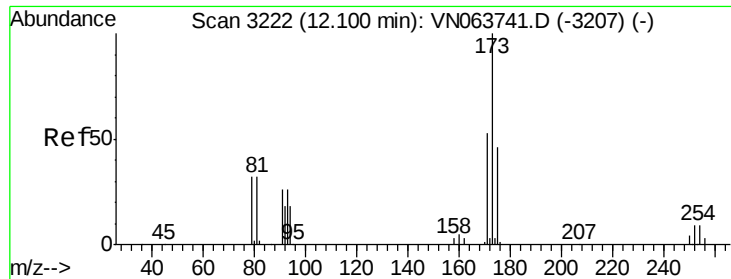
MMDadoda
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#70
Styrene
Concen: 51.497 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. 0.00 min
Lab File: VN063763.D
Acq: 1 Oct 2020 11:04

Tgt Ion:104 Resp: 502605
Ion Ratio Lower Upper
104 100
78 55.0 44.1 66.1
103 54.8 44.3 66.5





#71

Bromoform

Concen: 48.586 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN063763.D

Acq: 1 Oct 2020 11:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 129220

Ion Ratio Lower Upper

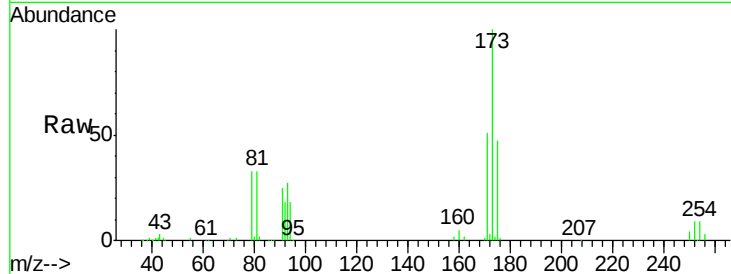
173 100

175 48.4 23.5 70.5

254 0.1 0.0 0.0#

Manual Integrations
APPROVED

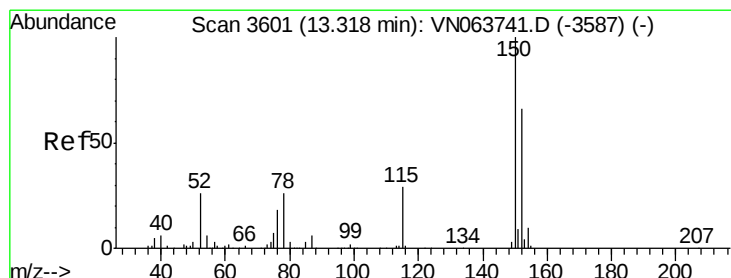
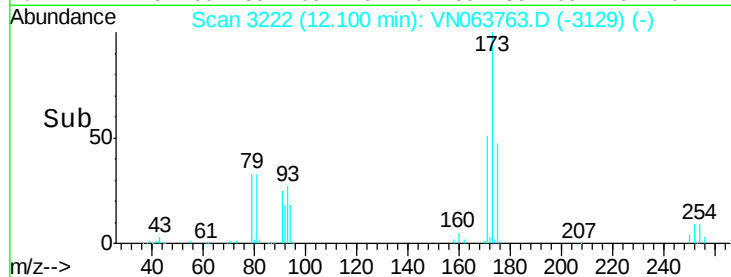
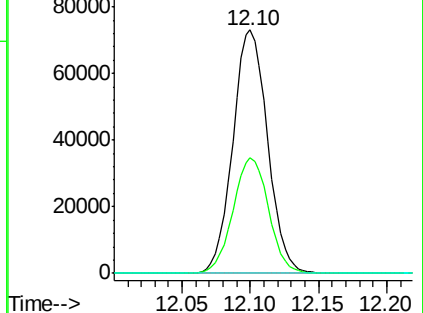
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Abundance Ion 172.70 (172.40 to 173.40): V

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: VN063763.D

Acq: 1 Oct 2020 11:04

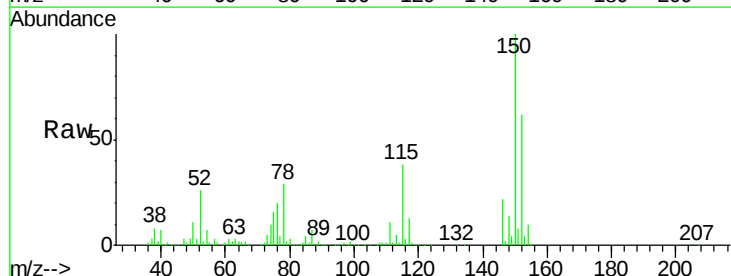
Tgt Ion:152 Resp: 214850

Ion Ratio Lower Upper

152 100

115 61.3 31.3 93.8

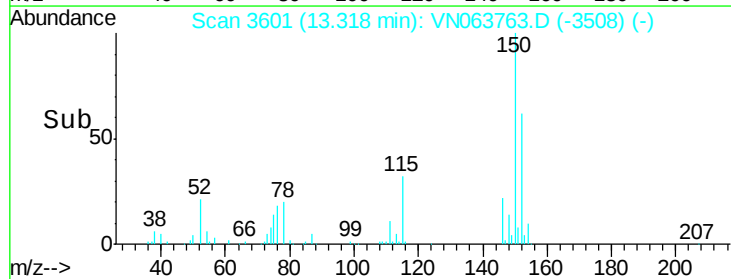
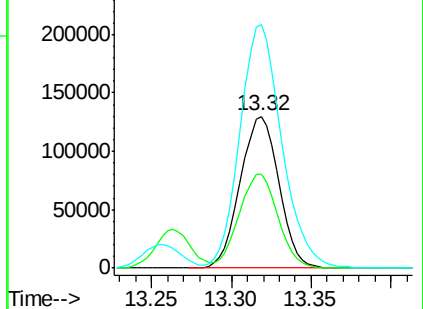
150 172.9 0.0 341.8

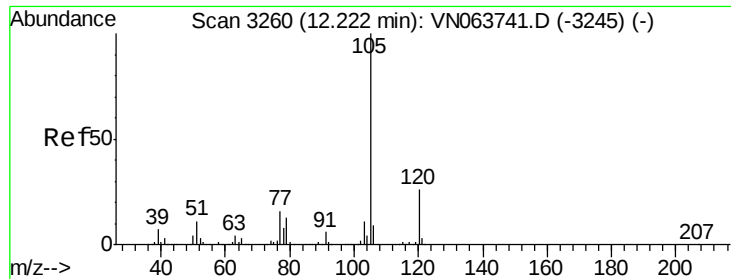


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.421 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN063763.D

Acq: 1 Oct 2020 11:04

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 105 Resp: 774482

Ion Ratio Lower Upper

105 100

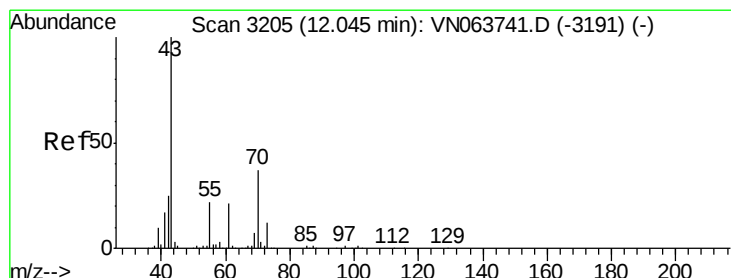
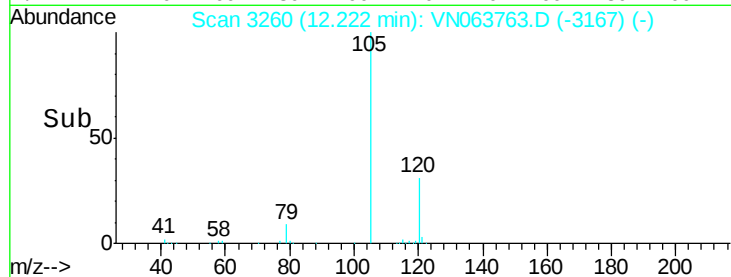
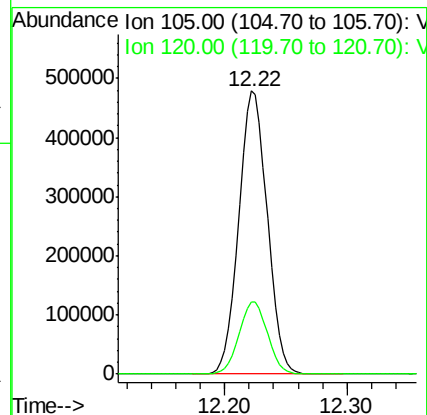
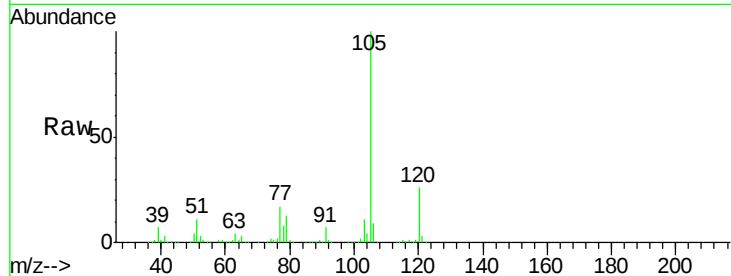
120 25.6 12.6 37.8

Manual Integrations

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#74

N-ethyl acetate

Concen: 47.989 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN063763.D

Acq: 1 Oct 2020 11:04

Tgt Ion: 43 Resp: 348857

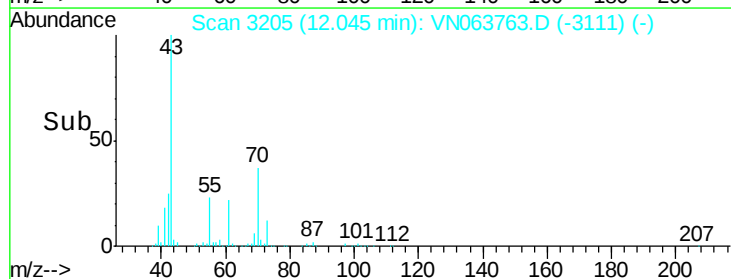
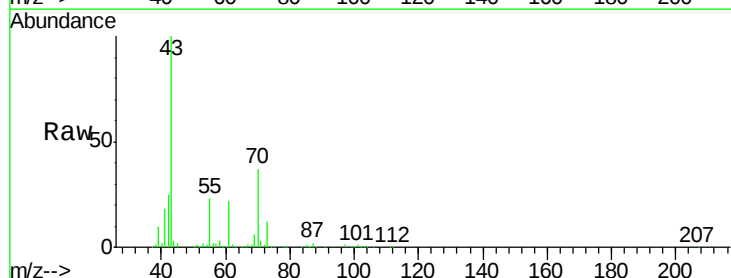
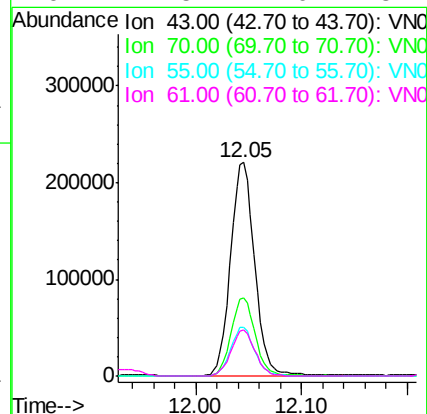
Ion Ratio Lower Upper

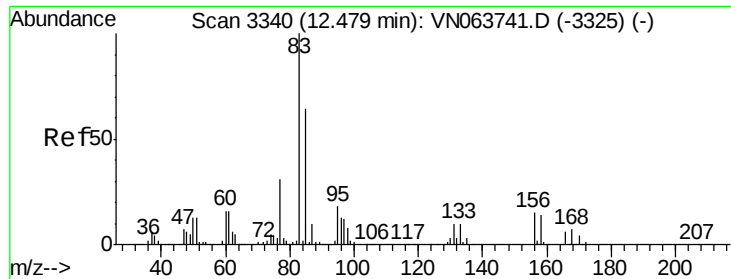
43 100

70 36.6 29.8 44.8

55 22.7 17.9 26.9

61 21.5 17.0 25.4





#75

1,1,2,2-Tetrachloroethane

Concen: 49.175 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN063763.D

Acq: 1 Oct 2020 11:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 235651
Ion Ratio Lower Upper

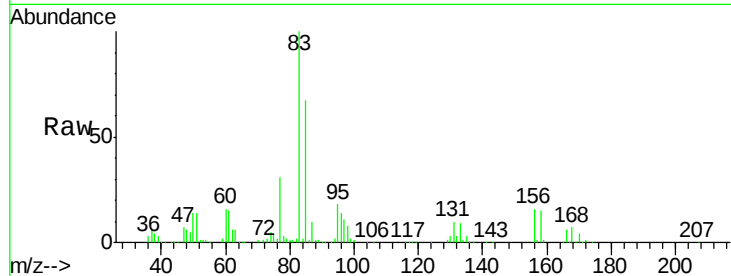
83 100

131 10.1 5.3 15.8

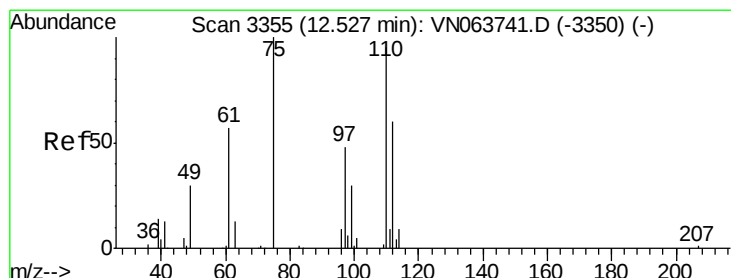
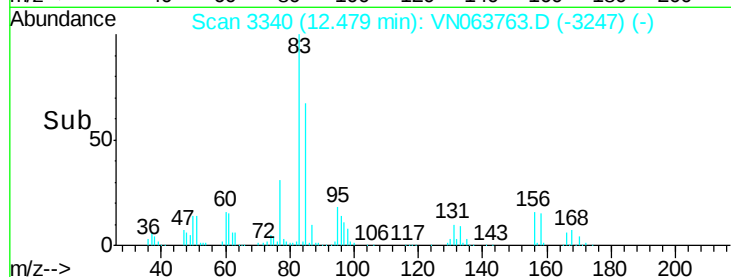
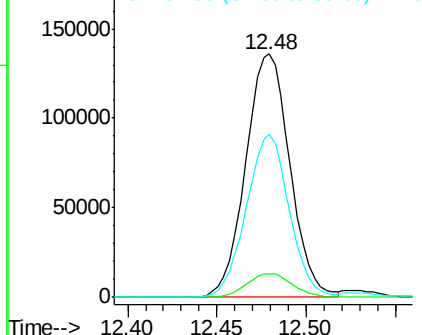
85 65.0 31.3 93.8

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 45.661 ug/l m

RT: 12.53 min Scan# 3355

Delta R.T. 0.00 min

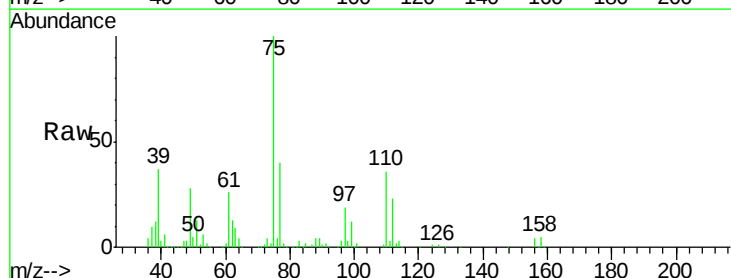
Lab File: VN063763.D

Acq: 1 Oct 2020 11:04

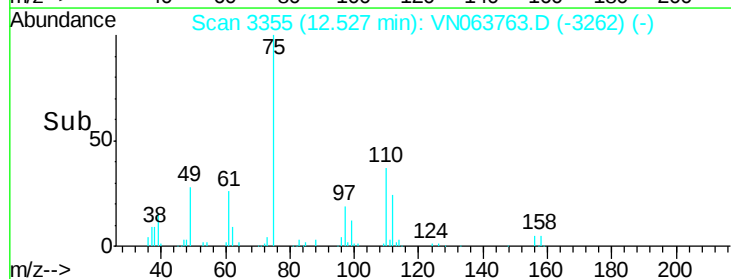
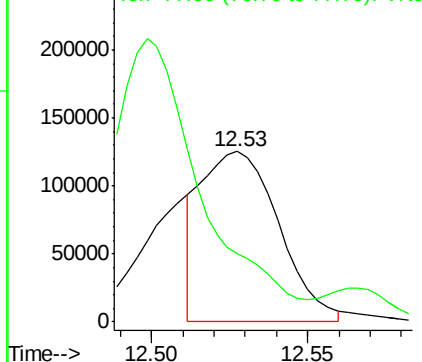
Tgt Ion: 75 Resp: 216255
Ion Ratio Lower Upper

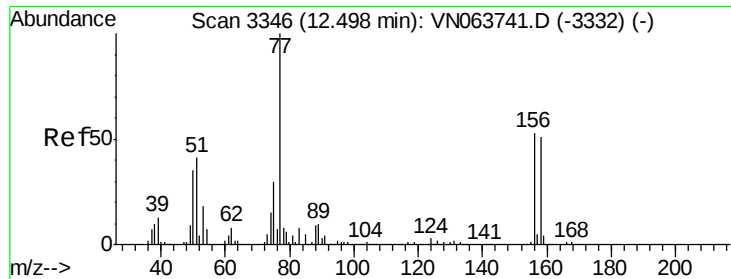
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 49.386 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN063763.D

Acq: 1 Oct 2020 11:04

Instrument :

MSVOA_N

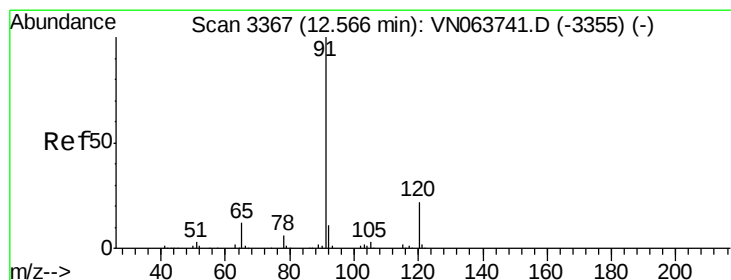
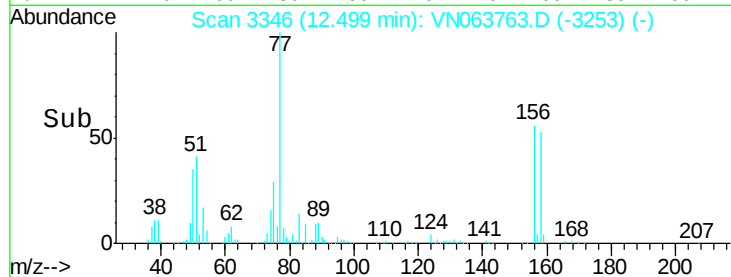
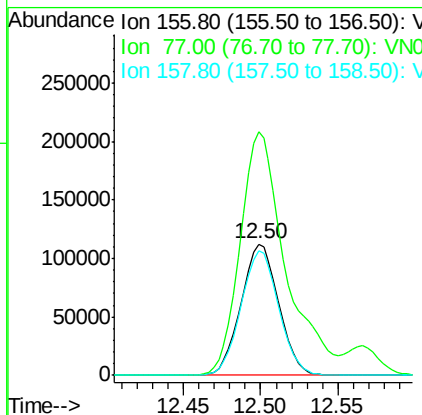
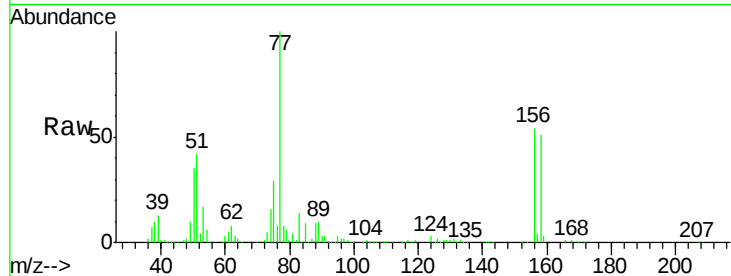
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	224.0	110.9	332.7
158	95.4	47.7	143.1

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#78

n-propylbenzene

Concen: 49.195 ug/l

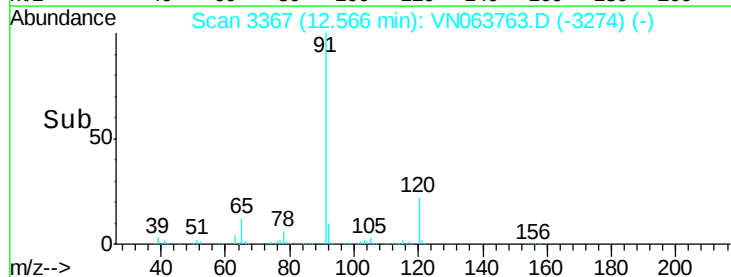
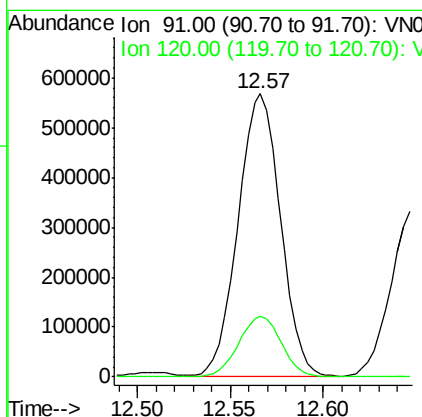
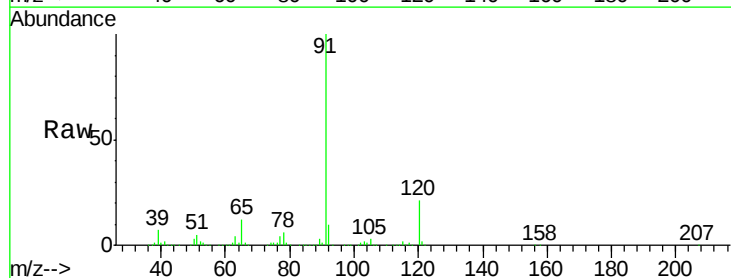
RT: 12.57 min Scan# 3367

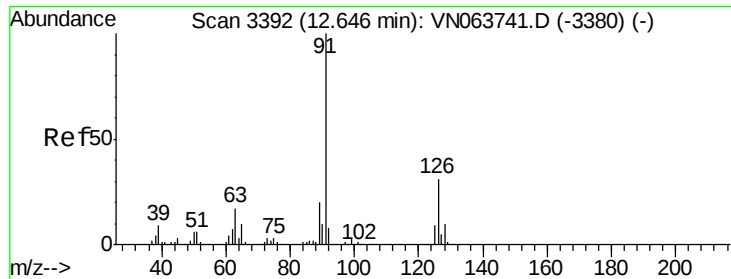
Delta R.T. 0.00 min

Lab File: VN063763.D

Acq: 1 Oct 2020 11:04

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.7	11.1	33.1





#79

2-Chlorotoluene

Concen: 49.435 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN063763.D

Acq: 1 Oct 2020 11:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 554497

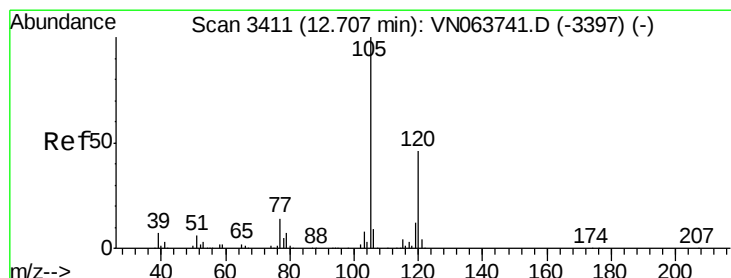
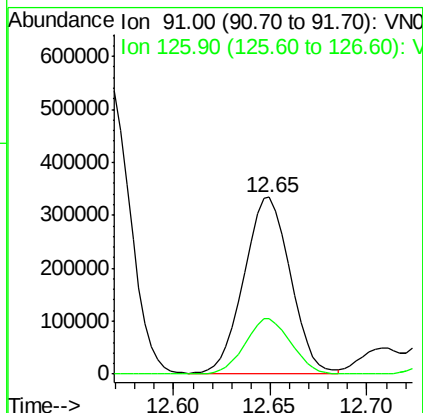
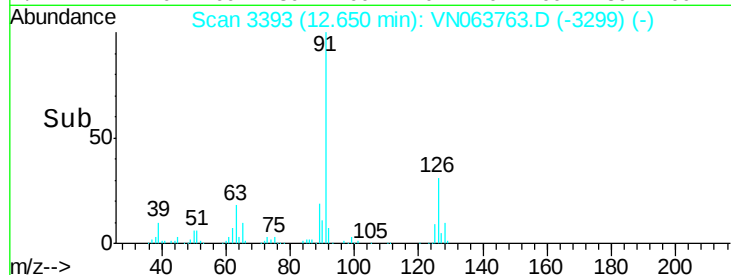
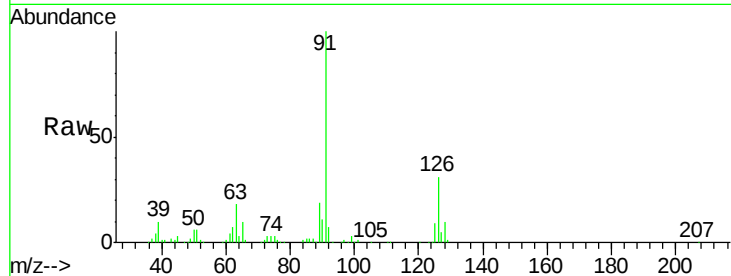
Ion Ratio Lower Upper

91 100

126 31.4 15.9 47.7

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 49.656 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN063763.D

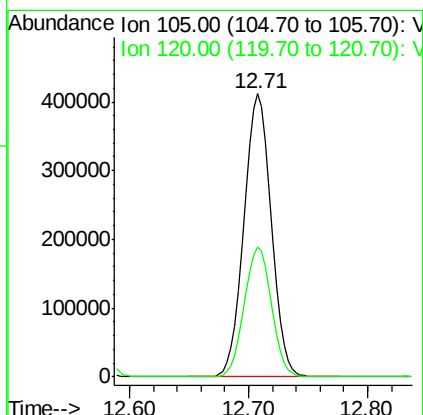
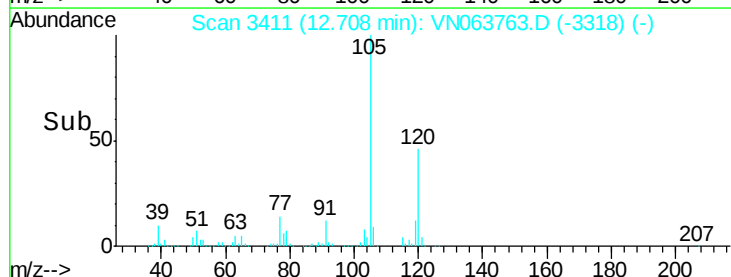
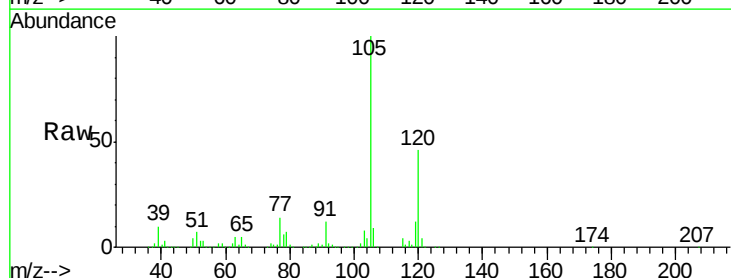
Acq: 1 Oct 2020 11:04

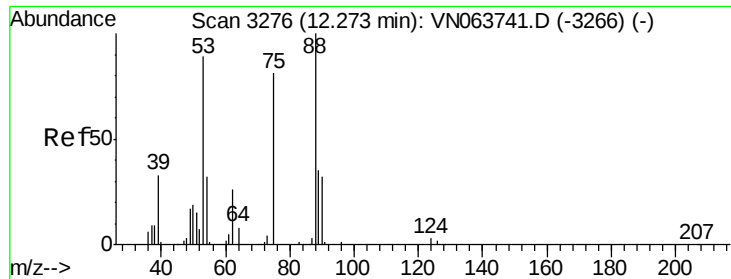
Tgt Ion: 105 Resp: 652834

Ion Ratio Lower Upper

105 100

120 45.8 23.3 69.9





#81

trans-1,4-Dichloro-2-butene

Concen: 50.800 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. 0.00 min

Lab File: VN063763.D

Acq: 1 Oct 2020 11:04

Instrument :

MSVOA_N

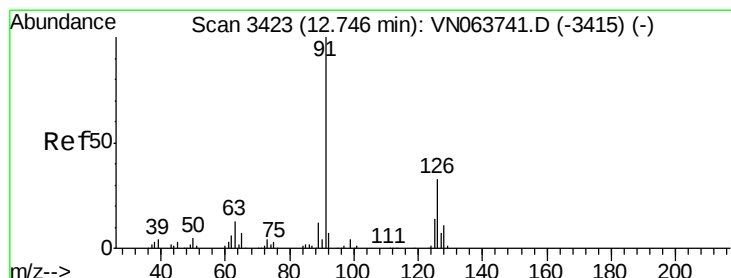
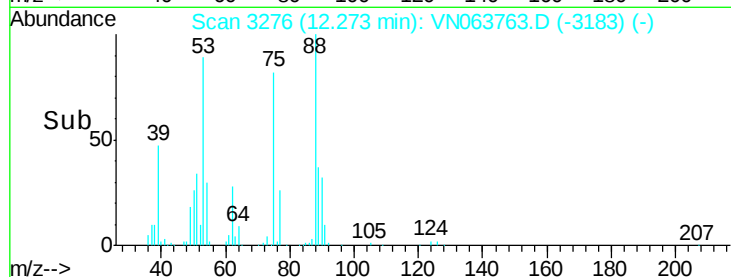
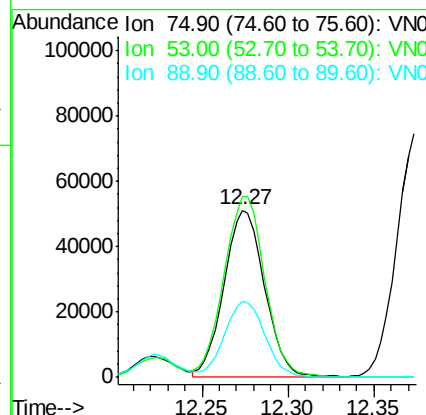
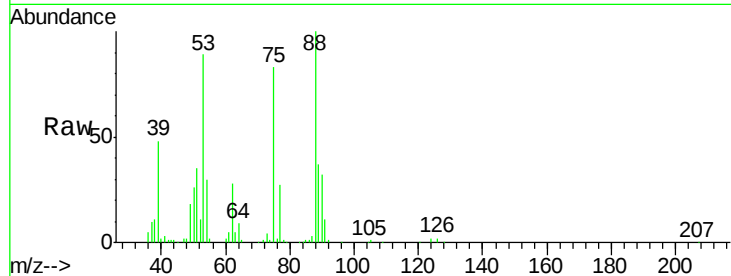
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	83535
Ion Ratio	Lower	Upper	
75	100		
53	111.1	88.2	132.2
89	45.5	36.0	54.0

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#82

4-Chlorotoluene

Concen: 50.001 ug/l

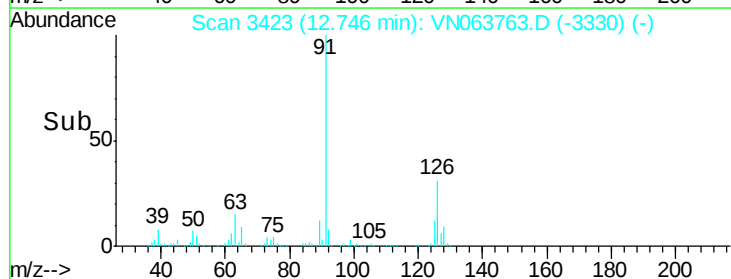
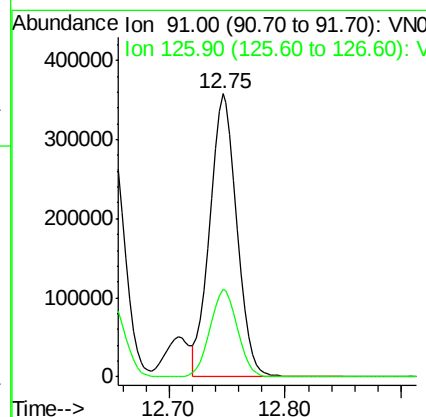
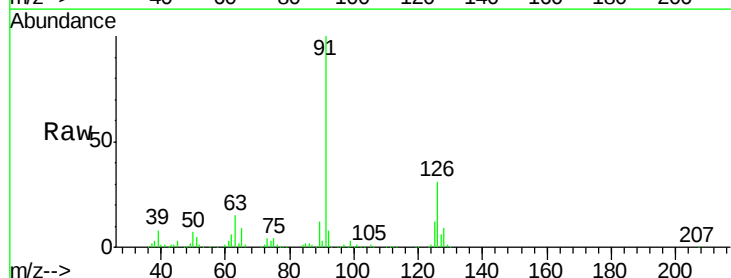
RT: 12.75 min Scan# 3423

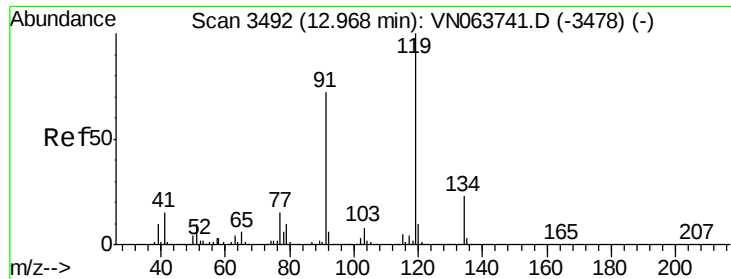
Delta R.T. 0.00 min

Lab File: VN063763.D

Acq: 1 Oct 2020 11:04

Tgt Ion:	91	Resp:	582219
Ion Ratio	Lower	Upper	
91	100		
126	31.4	15.4	46.2





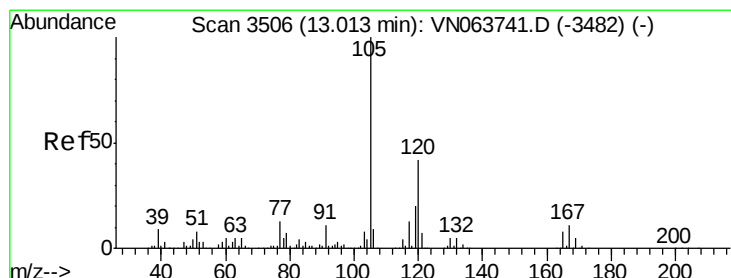
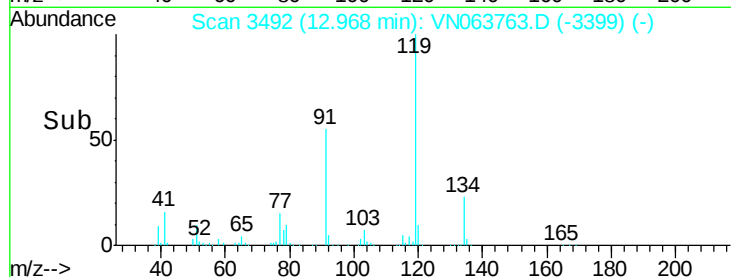
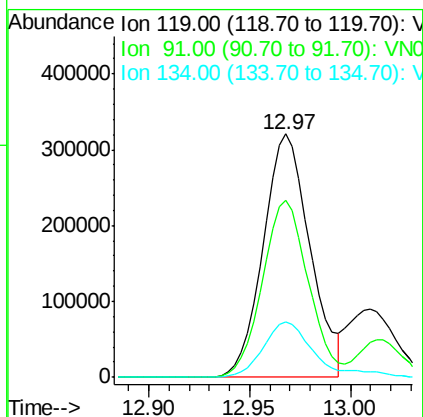
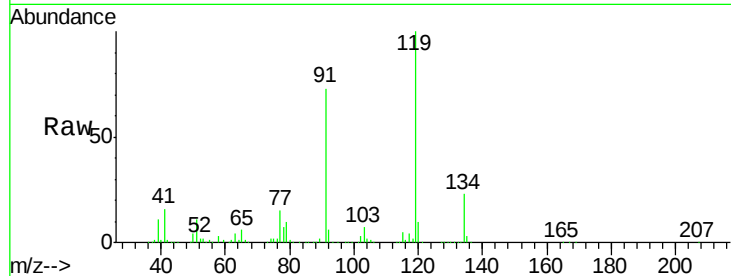
#83
tert-Butylbenzene
Concen: 48.244 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN063763.D
Acq: 1 Oct 2020 11:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	71.6	35.5	106.5
134	24.9	11.7	35.1

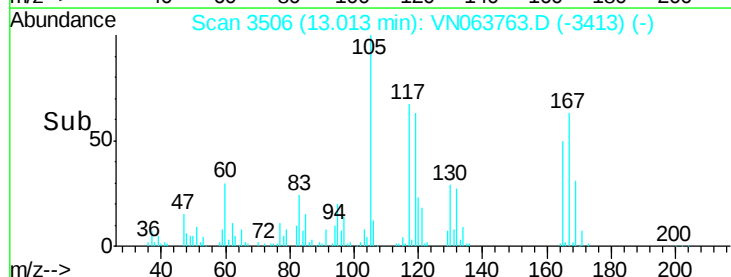
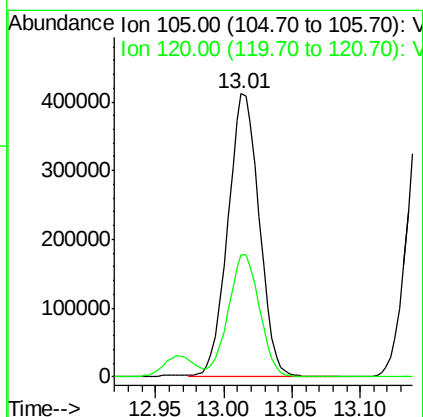
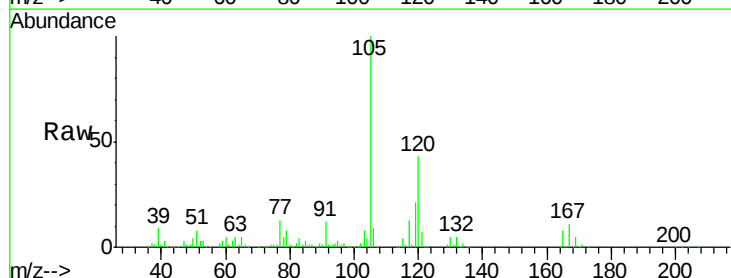
Manual Integrations
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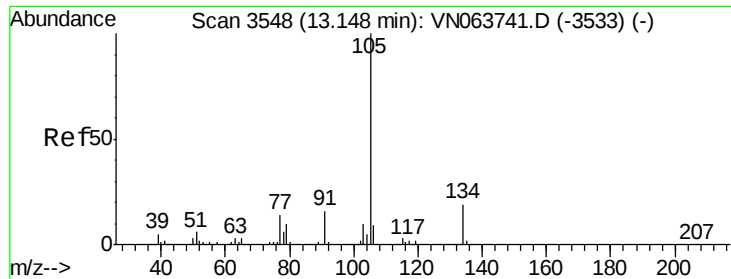
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#84
1,2,4-Trimethylbenzene
Concen: 49.915 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN063763.D
Acq: 1 Oct 2020 11:04

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.5	20.9	62.7





#85

sec-Butylbenzene

Concen: 48.579 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN063763.D

Acq: 1 Oct 2020 11:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 686172

Ion Ratio Lower Upper

105 100

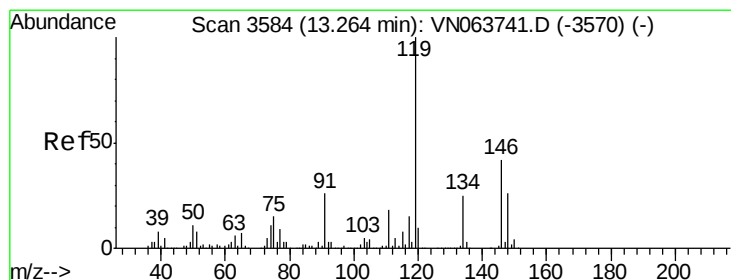
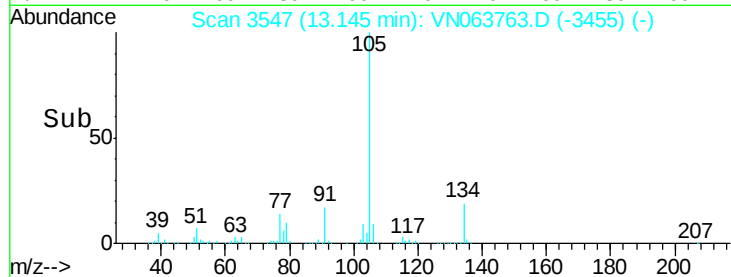
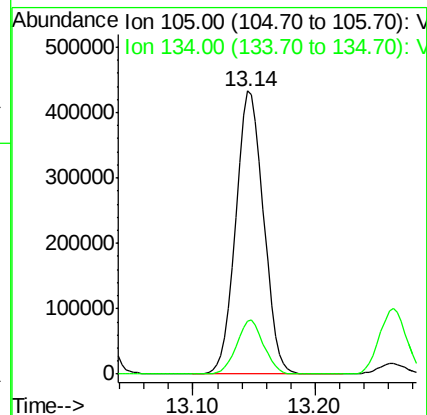
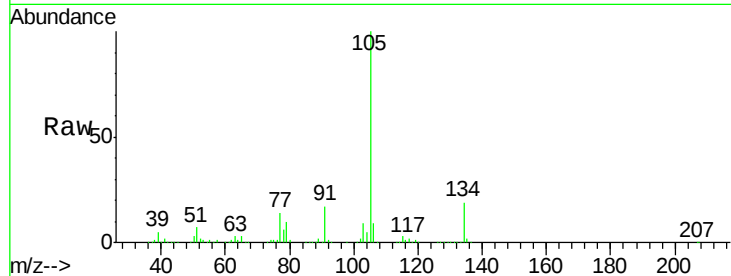
134 18.6 9.5 28.5

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 49.931 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN063763.D

Acq: 1 Oct 2020 11:04

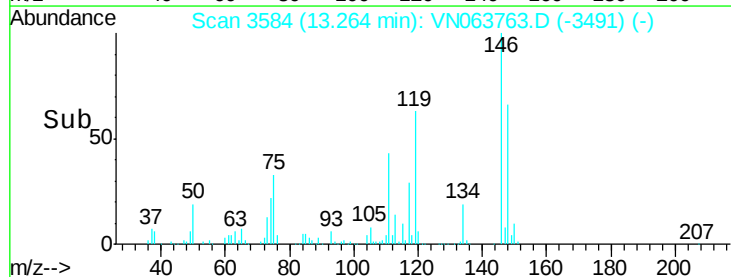
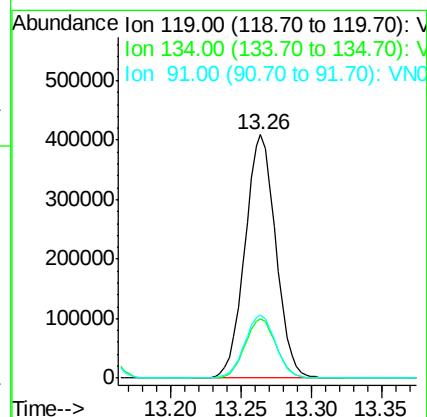
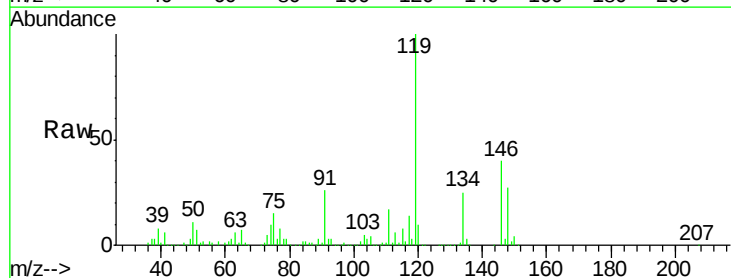
Tgt Ion:119 Resp: 623925

Ion Ratio Lower Upper

119 100

134 24.7 12.6 37.8

91 26.0 13.4 40.2





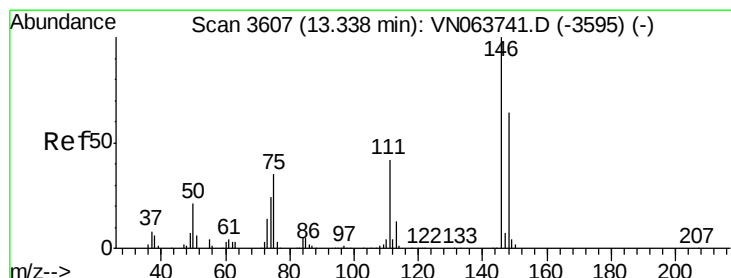
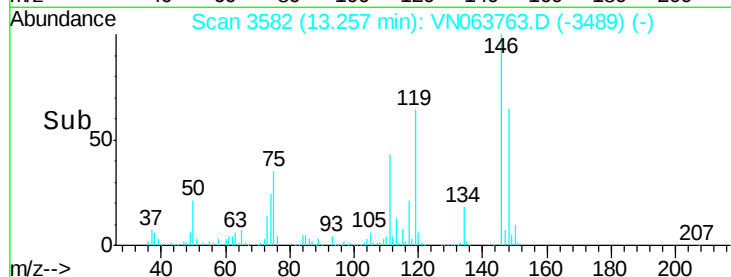
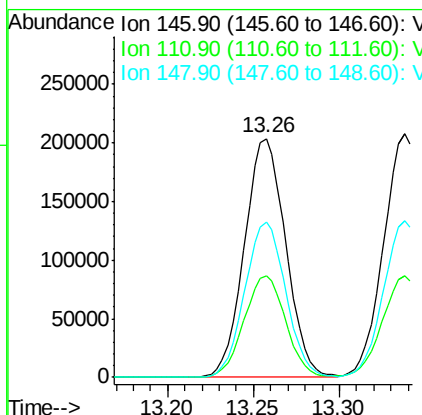
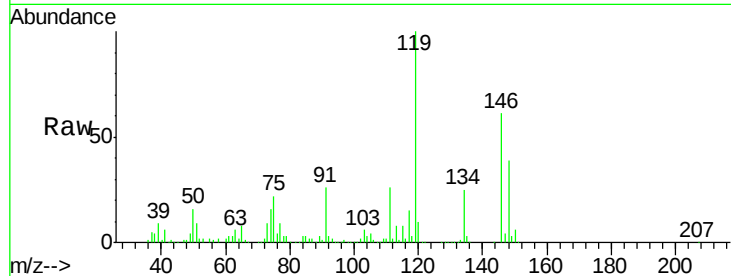
#87
 1,3-Dichlorobenzene
 Concen: 48.862 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN063763.D
 Acq: 1 Oct 2020 11:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.5	64.5
148	64.6	31.1	93.3

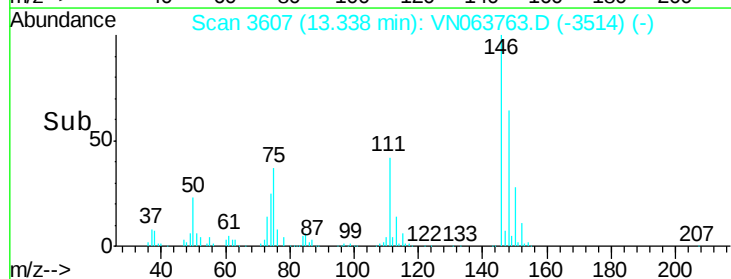
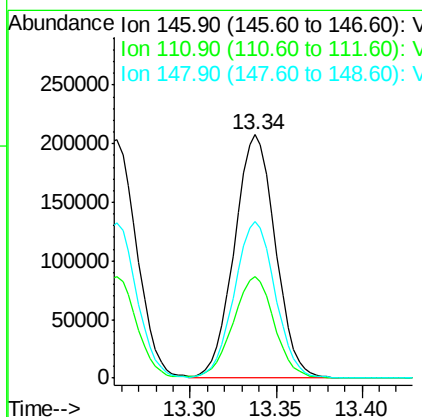
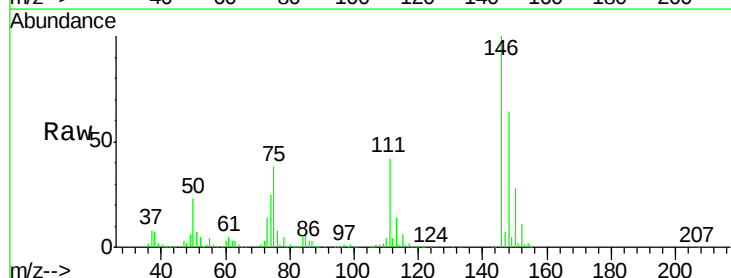
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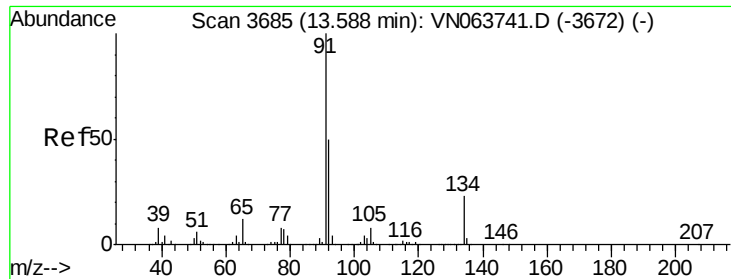
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#88
 1,4-Dichlorobenzene
 Concen: 47.170 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN063763.D
 Acq: 1 Oct 2020 11:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.3	63.7
148	64.5	32.0	96.0





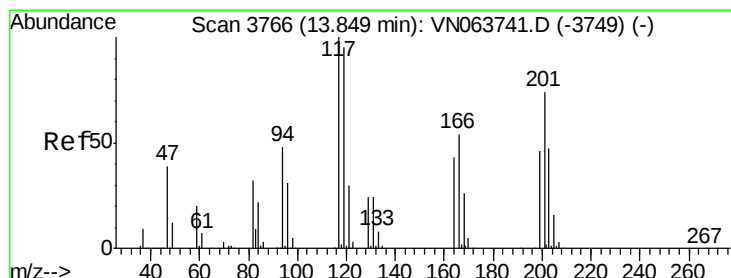
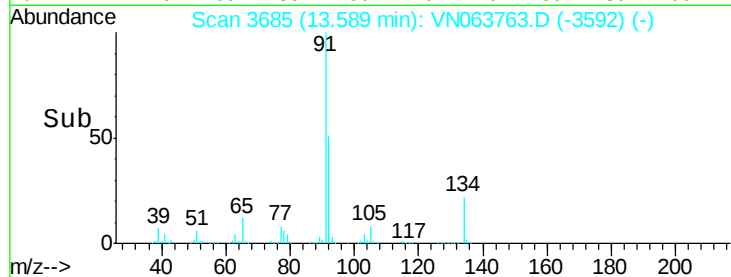
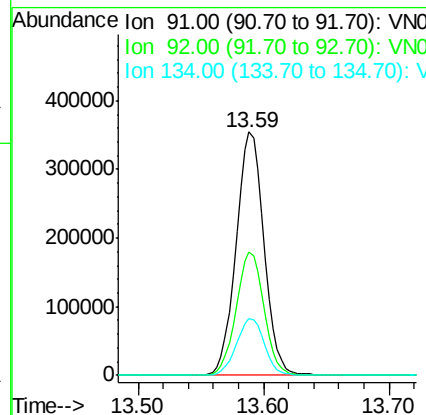
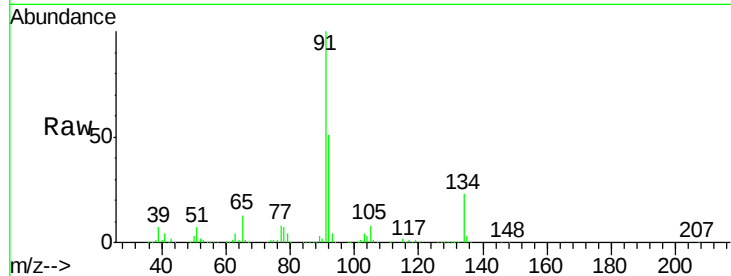
#89
n-Butylbenzene
Concen: 47.232 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN063763.D
Acq: 1 Oct 2020 11:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.0	25.4	76.4
134	23.6	11.7	35.1

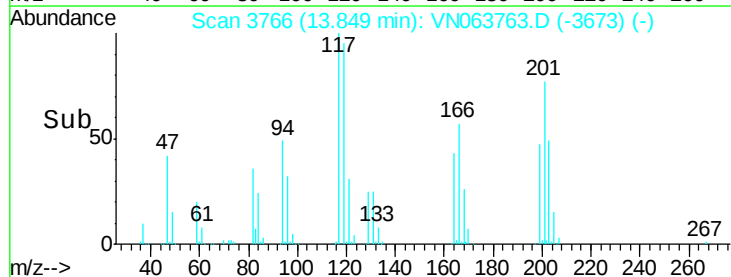
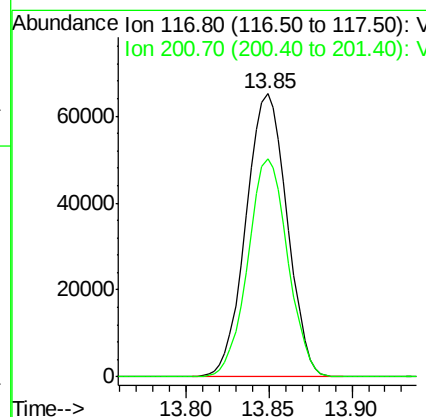
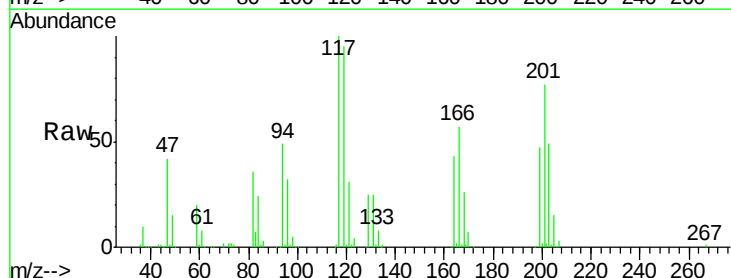
Manual Integrations
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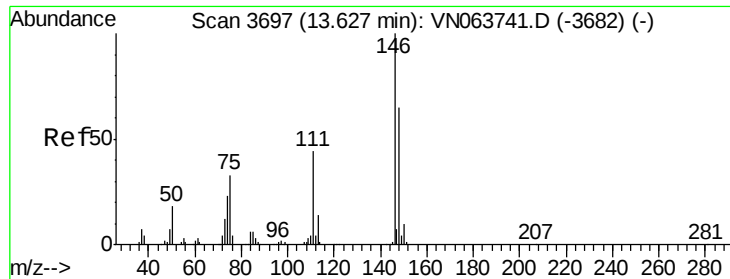
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#90
Hexachloroethane
Concen: 46.395 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN063763.D
Acq: 1 Oct 2020 11:04

Tgt Ion	Ratio	Lower	Upper
117	100		
201	74.6	36.0	108.0





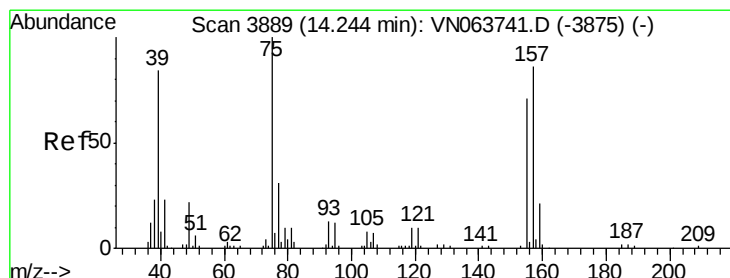
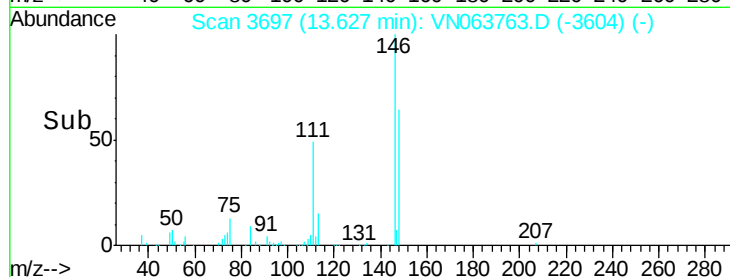
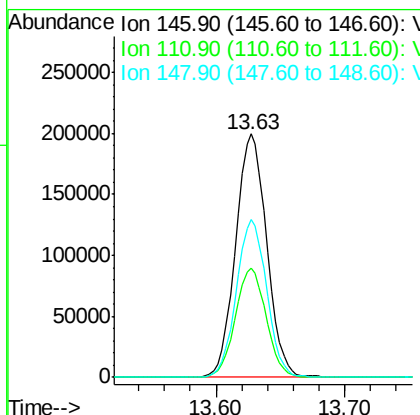
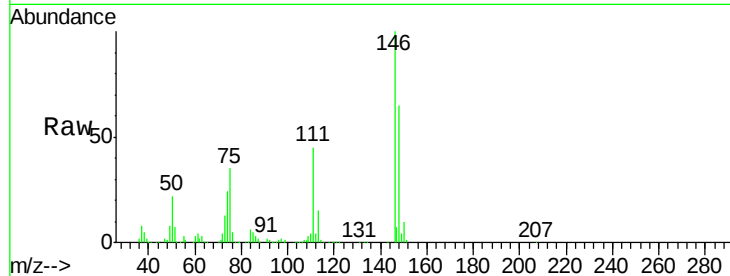
#91
 1,2-Dichlorobenzene
 Concen: 48.474 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN063763.D
 Acq: 1 Oct 2020 11:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.6	22.2	66.6
148	63.4	32.5	97.4

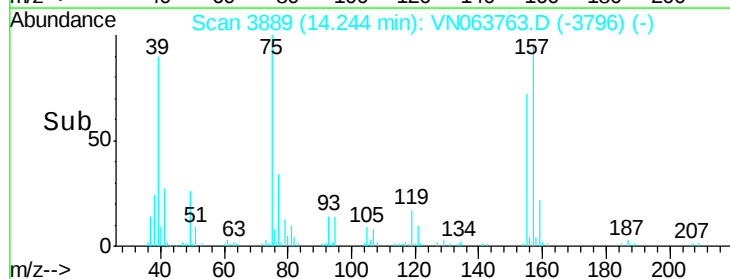
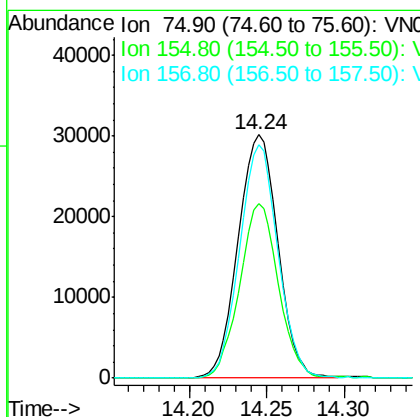
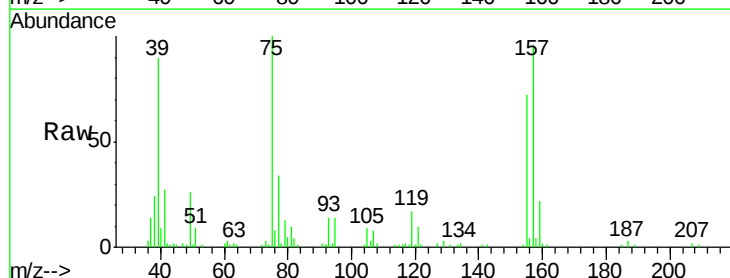
Manual Integrations
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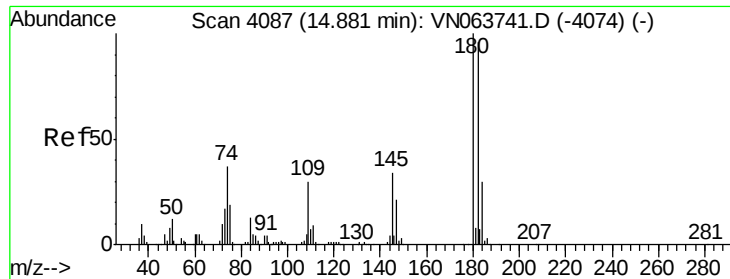
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.194 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN063763.D
 Acq: 1 Oct 2020 11:04

Tgt Ion	Ratio	Lower	Upper
75	100		
155	69.7	34.8	104.5
157	92.4	43.7	131.1





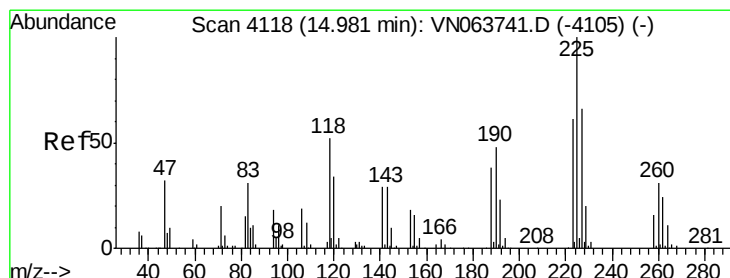
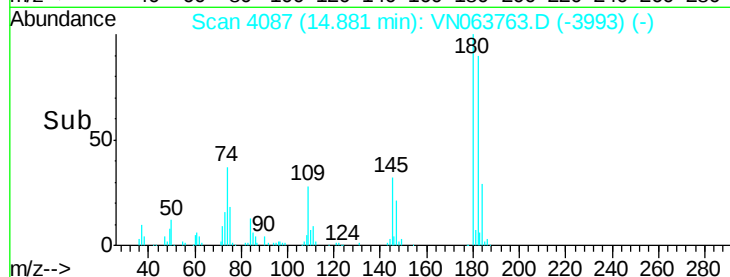
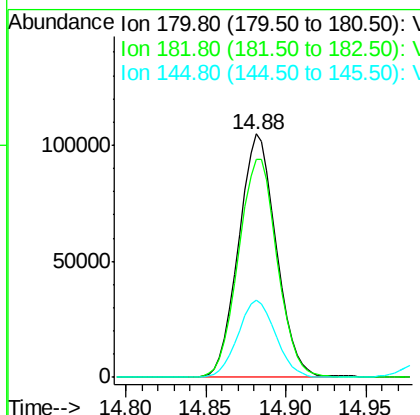
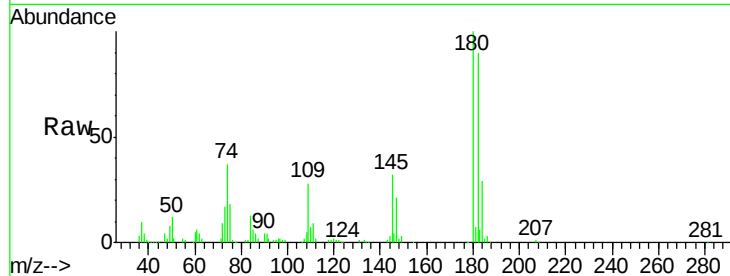
#93
 1,2,4-Trichlorobenzene
 Concen: 44.975 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN063763.D
 Acq: 1 Oct 2020 11:04

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	167831		
182	92.7	48.2	144.6	
145	31.9	17.1	51.2	

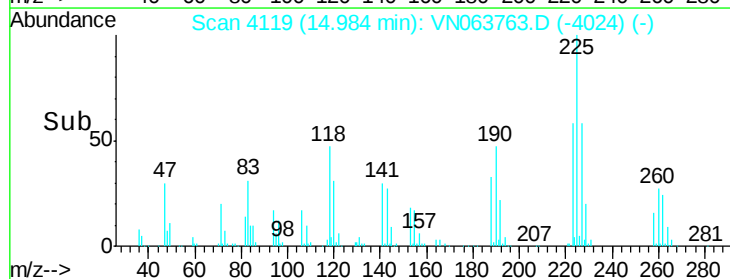
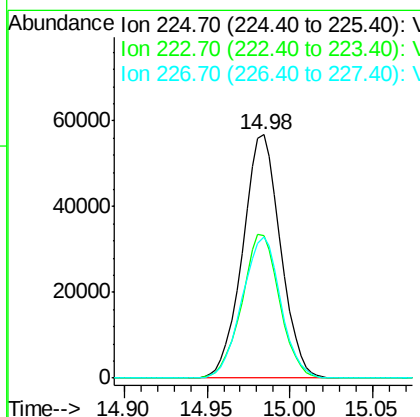
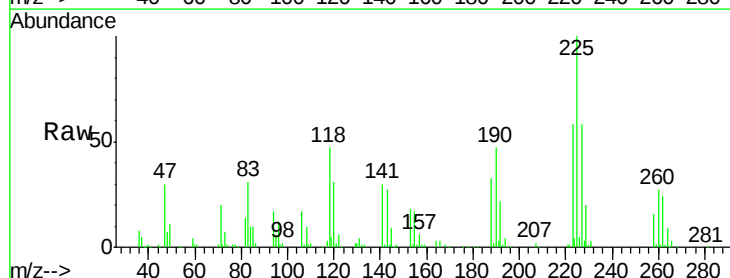
Manual Integrations
 APPROVED

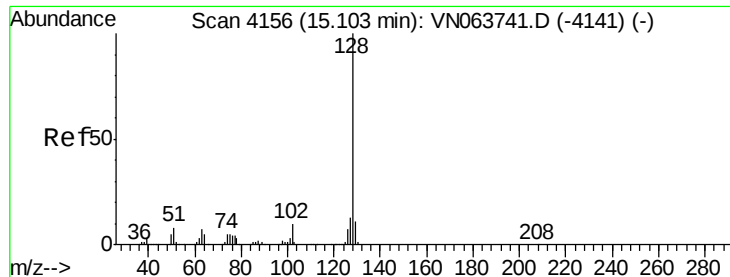
MMDadoda
 10/2/2020 3:11:12 PM



#94
 Hexachlorobutadiene
 Concen: 48.152 ug/l
 RT: 14.98 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN063763.D
 Acq: 1 Oct 2020 11:04

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	89954		
223	58.7	30.3	91.0	
227	59.3	31.9	95.5	





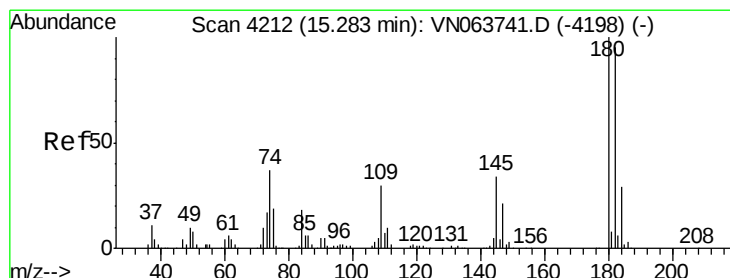
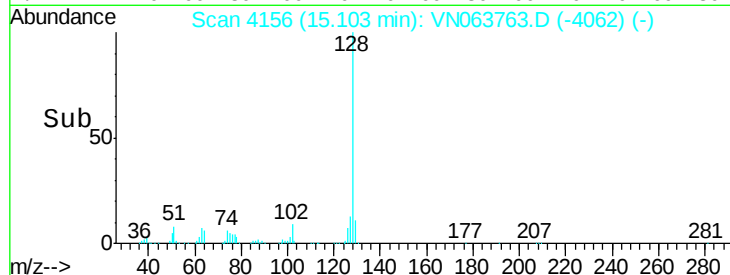
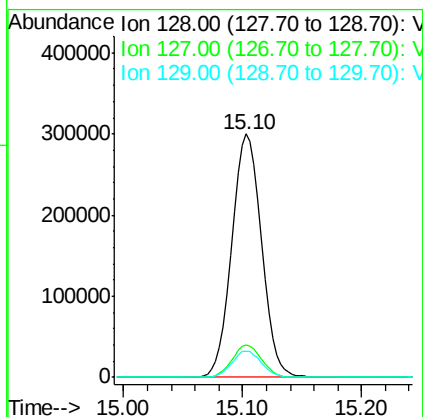
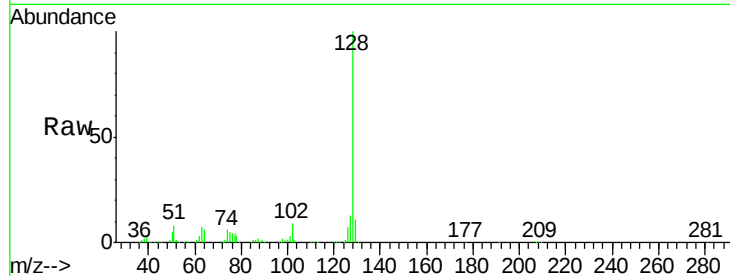
#95
Naphthalene
Concen: 45.164 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN063763.D
Acq: 1 Oct 2020 11:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.5	15.7
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
10/2/2020 3:11:12 PM



#96
1,2,3-Trichlorobenzene
Concen: 42.745 ug/l
RT: 15.28 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN063763.D
Acq: 1 Oct 2020 11:04

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.6	47.9	143.6
145	35.6	17.2	51.5

