

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100220\
 Data File : VN063812.D
 Acq On : 2 Oct 2020 10:55
 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
 10/5/2020 5:35:17 PM

Quant Time: Oct 05 04:30:48 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	277662	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	440678	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	417210	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	210207	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	209852	45.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.50%	
35) Dibromofluoromethane	7.55	113	143464	46.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.84%	
50) Toluene-d8	10.06	98	544452	46.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.94%	
62) 4-Bromofluorobenzene	12.38	95	209201	48.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	147407	50.313	ug/l	99
3) Chloromethane	2.04	50	165101	48.027	ug/l	98
4) Vinyl Chloride	2.16	62	163838	47.479	ug/l	99
5) Bromomethane	2.52	94	112224	51.704	ug/l	98
6) Chloroethane	2.67	64	104948	50.896	ug/l	96
7) Trichlorofluoromethane	2.98	101	277017	50.617	ug/l	99
8) Diethyl Ether	3.37	74	94930	51.289	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.72	101	148599	50.800	ug/l	100
10) Methyl Iodide	3.91	142	181854	53.543	ug/l	99
11) Tert butyl alcohol	4.73	59	150605	297.381	ug/l	99
12) 1,1-Dichloroethene	3.69	96	140397	50.213	ug/l	96
13) Acrolein	3.56	56	61908	199.174	ug/l	96
14) Allyl chloride	4.28	41	253780	48.856	ug/l	97
15) Acrylonitrile	4.92	53	394417	272.078	ug/l	99
16) Acetone	3.77	43	396931	281.097	ug/l	99
17) Carbon Disulfide	4.01	76	377473	49.950	ug/l	99
18) Methyl Acetate	4.27	43	201364	54.923	ug/l	99
19) Methyl tert-butyl Ether	4.98	73	540518	53.210	ug/l	99
20) Methylene Chloride	4.50	84	165223	51.082	ug/l	98
21) trans-1,2-Dichloroethene	4.98	96	156029	49.821	ug/l	97
22) Diisopropyl ether	5.90	45	576909	53.981	ug/l	99
23) Vinyl Acetate	5.84	43	2444497	276.125	ug/l	99
24) 1,1-Dichloroethane	5.79	63	311576	50.989	ug/l	99
25) 2-Butanone	6.78	43	590336	294.876	ug/l	99
26) 2,2-Dichloropropane	6.77	77	291489	52.089	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	185727	51.564	ug/l	99
28) Bromochloromethane	7.14	49	143885	47.641	ug/l	99
29) Tetrahydrofuran	7.16	42	380288	283.223	ug/l	98
30) Chloroform	7.33	83	330343	51.847	ug/l	94
31) Cyclohexane	7.61	56	257932	48.434	ug/l	98
32) 1,1,1-Trichloroethane	7.53	97	300294	52.253	ug/l	100
36) 1,1-Dichloropropene	7.75	75	237543	53.207	ug/l	99
37) Ethyl Acetate	6.88	43	237376	53.517	ug/l	99
38) Carbon Tetrachloride	7.73	117	261198	52.174	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	231403	51.976	ug/l	99
40) Benzene	8.00	78	679921	53.320	ug/l	98
41) Methacrylonitrile	7.12	41	99997m	50.726	ug/l	
42) 1,2-Dichloroethane	8.08	62	294893	54.176	ug/l	99
43) Isopropyl Acetate	8.12	43	419137	57.289	ug/l #	91
44) Trichloroethene	8.80	130	177121	53.012	ug/l	97
45) 1,2-Dichloropropane	9.08	63	185072	53.740	ug/l	100
46) Dibromomethane	9.17	93	128256	53.986	ug/l	99
47) Bromodichloromethane	9.37	83	271213	55.392	ug/l	99
48) Methyl methacrylate	9.16	41	208456	57.669	ug/l	96
49) 1,4-Dioxane	9.16	88	62444	1215.513	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	1283978	299.052	ug/l	100
52) Toluene	10.12	92	434373	55.072	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	295503	56.303	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	307659	56.050	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	178623	56.471	ug/l	99
56) Ethyl methacrylate	10.40	69	265087	59.124	ug/l	98
57) 1,3-Dichloropropane	10.68	76	300502	56.154	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	690521	287.919	ug/l	100
59) 2-Hexanone	10.72	43	974211	305.445	ug/l	100
60) Dibromochloromethane	10.87	129	203694	55.296	ug/l	99
61) 1,2-Dibromoethane	10.98	107	184321	56.966	ug/l	99
64) Tetrachloroethene	10.60	164	162290	50.278	ug/l	96
65) Chlorobenzene	11.41	112	465515	54.394	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	180722	55.081	ug/l	100
67) Ethyl Benzene	11.48	91	865467	55.575	ug/l	100
68) m/p-Xylenes	11.59	106	635843	109.552	ug/l	97
69) o-Xylene	11.92	106	304662	56.161	ug/l	100
70) Styrene	11.94	104	532026	57.776	ug/l	100
71) Bromoform	12.10	173	138931	55.365	ug/l #	98
73) Isopropylbenzene	12.22	105	831327	54.221	ug/l	99
74) N-amyl acetate	12.05	43	387233	54.147	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	251612	53.666	ug/l	97
76) 1,2,3-Trichloropropane	12.53	75	239239m	51.629	ug/l	
77) Bromobenzene	12.50	156	201634	53.595	ug/l	99
78) n-propylbenzene	12.57	91	963208	53.980	ug/l	100
79) 2-Chlorotoluene	12.65	91	582828	53.109	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	702145	54.586	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	92193	57.303	ug/l	99
82) 4-Chlorotoluene	12.75	91	634039	55.654	ug/l	100
83) tert-Butylbenzene	12.97	119	563128	53.521	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	714895	55.666	ug/l	98
85) sec-Butylbenzene	13.14	105	744600	53.880	ug/l	100
86) p-Isopropyltoluene	13.26	119	668561	54.685	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	361944	53.178	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	367912	51.915	ug/l	99
89) n-Butylbenzene	13.59	91	588219	52.130	ug/l	100
90) Hexachloroethane	13.85	117	123202	52.005	ug/l	96
91) 1,2-Dichlorobenzene	13.63	146	360150	53.423	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	57313	52.125	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	173282	47.365	ug/l	98
94) Hexachlorobutadiene	14.98	225	96091	52.567	ug/l	97
95) Naphthalene	15.10	128	533620	47.160	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	167807	47.286	ug/l	100

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

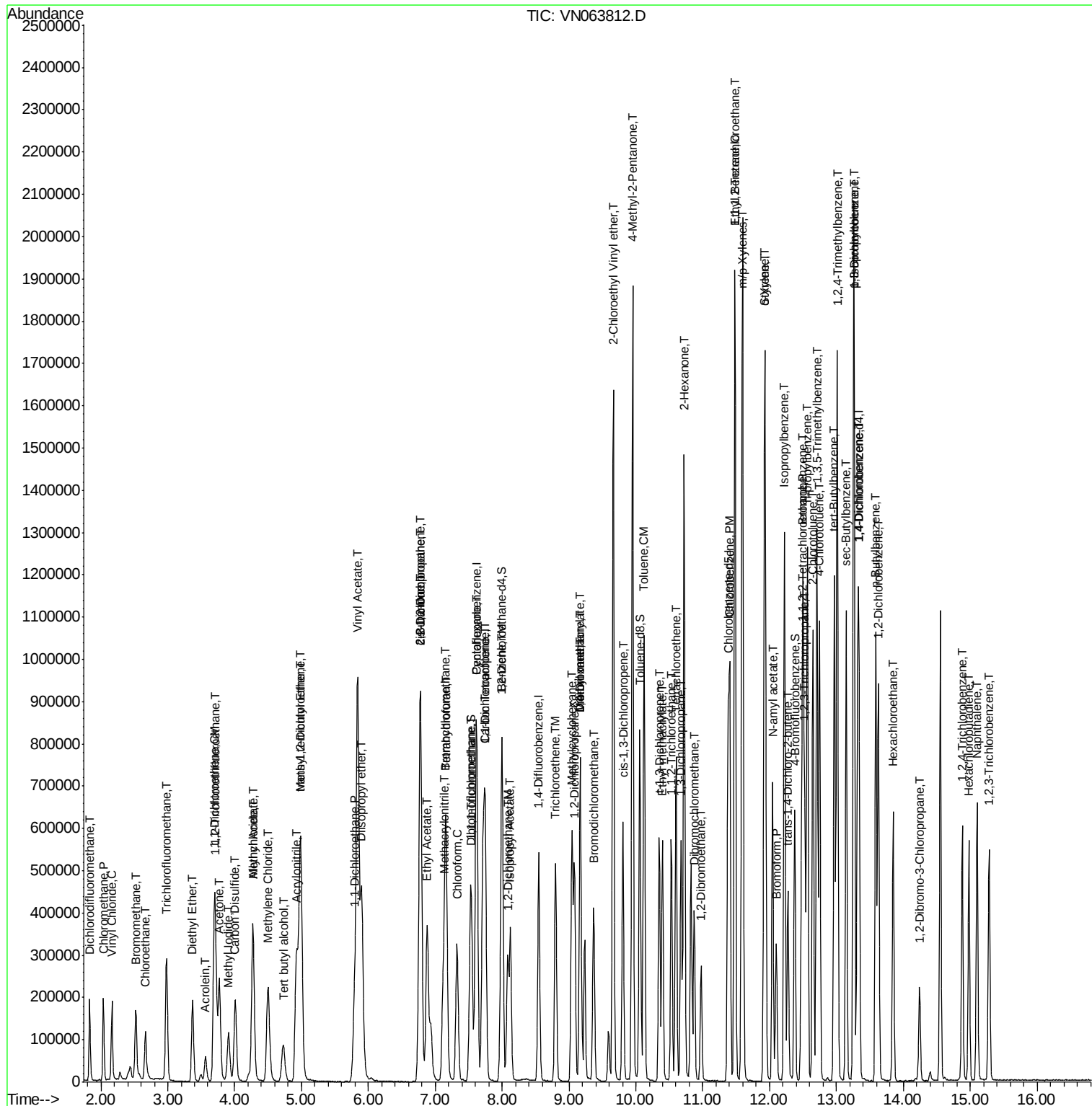
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Data File : VN063812.D
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN063812.D

Acq: 2 Oct 2020 10:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 277662

Ion Ratio Lower Upper

168 100

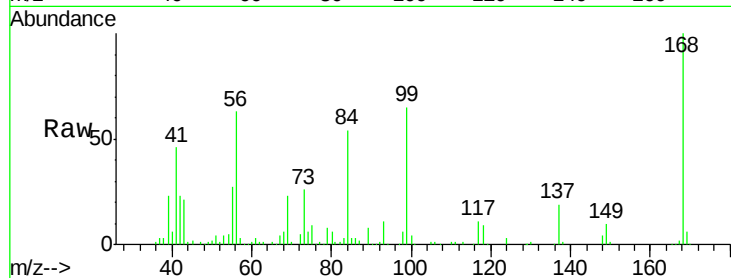
99 65.0 51.8 77.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

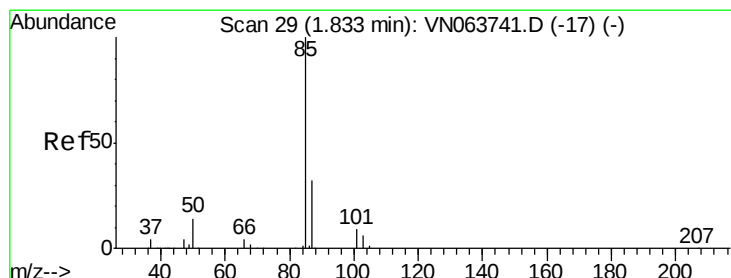
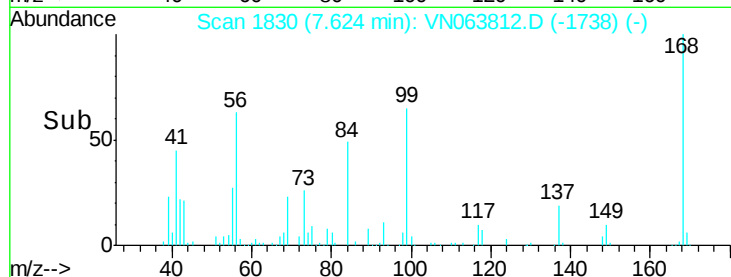
7.62

100000

50000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 50.313 ug/l

RT: 1.83 min Scan# 28

Delta R.T. -0.00 min

Lab File: VN063812.D

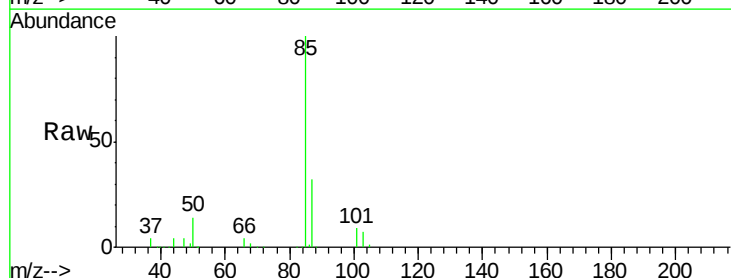
Acq: 2 Oct 2020 10:55

Tgt Ion: 85 Resp: 147407

Ion Ratio Lower Upper

85 100

87 32.4 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

120000

100000

80000

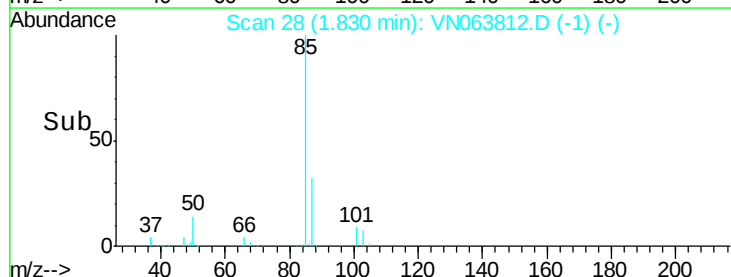
60000

40000

20000

0

Time--> 1.75 1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 48.027 ug/l

RT: 2.04 min Scan# 92

Delta R.T. 0.00 min

Lab File: VN063812.D

Acq: 2 Oct 2020 10:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 165101

Ion Ratio Lower Upper

50 100

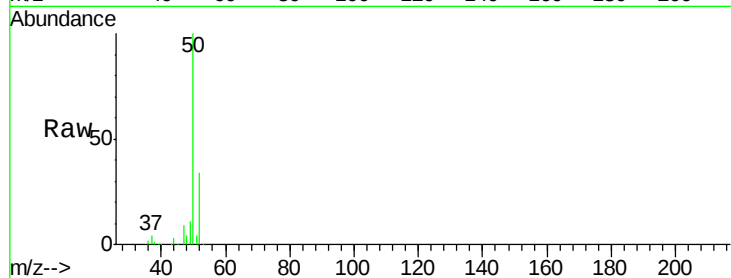
52 33.6 25.8 38.8

Manual Integrations

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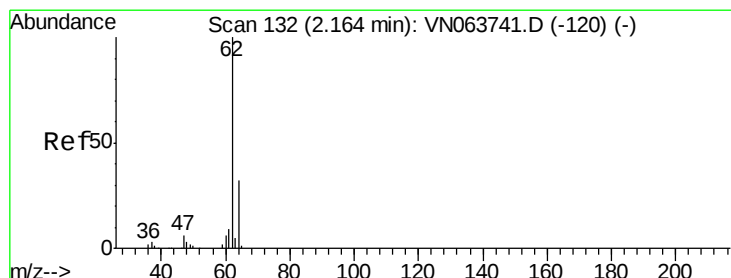
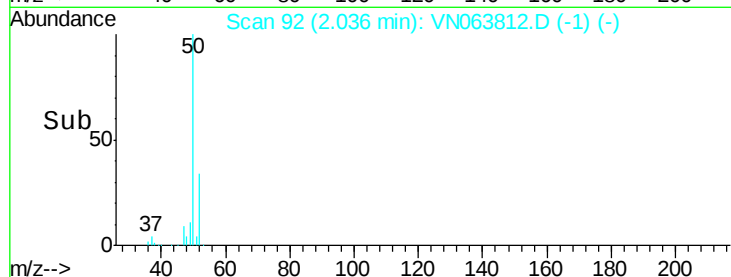
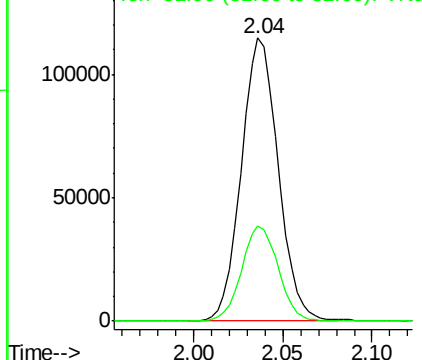
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 47.479 ug/l

RT: 2.16 min Scan# 132

Delta R.T. 0.00 min

Lab File: VN063812.D

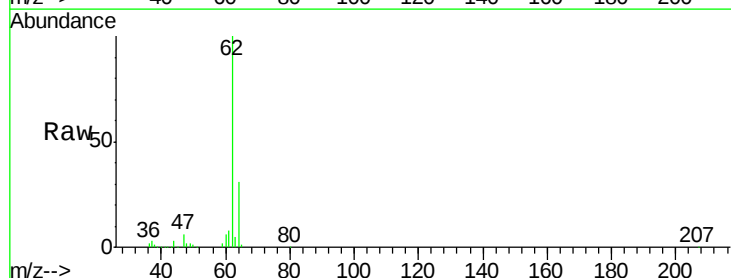
Acq: 2 Oct 2020 10:55

Tgt Ion: 62 Resp: 163838

Ion Ratio Lower Upper

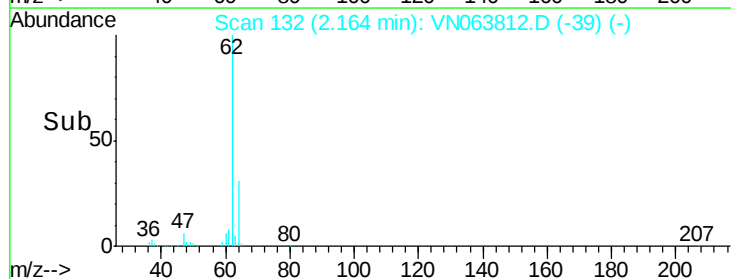
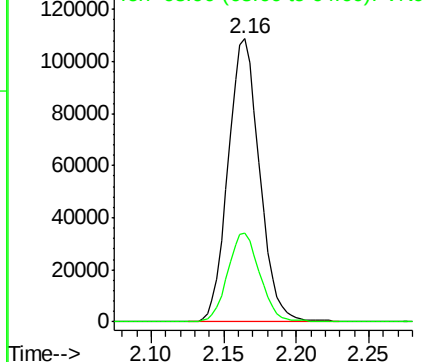
62 100

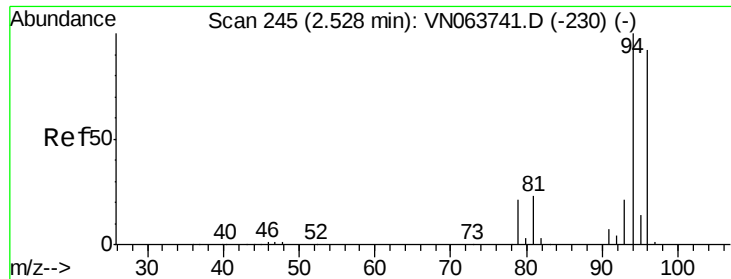
64 31.4 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





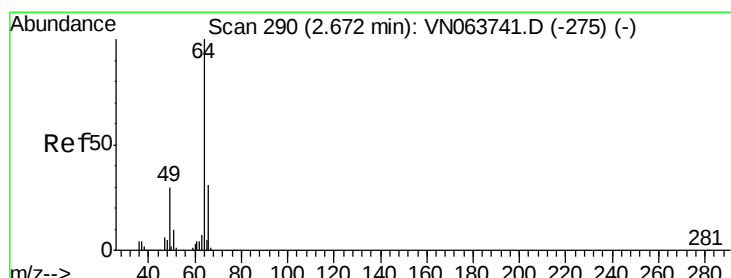
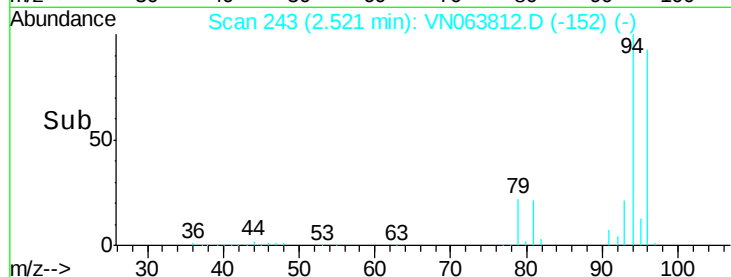
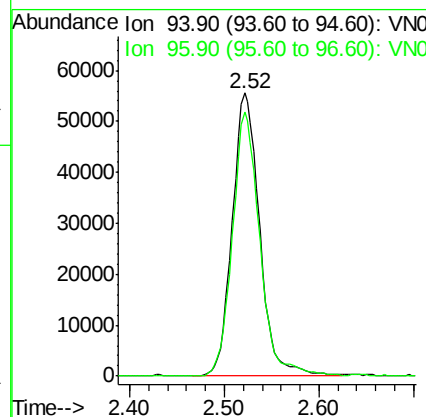
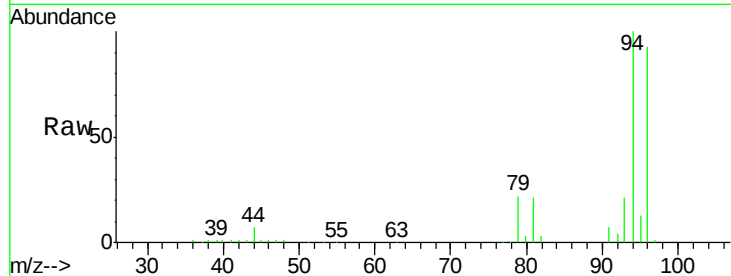
#5
Bromomethane
Concen: 51.704 ug/l
RT: 2.52 min Scan# 243
Delta R.T. -0.01 min
Lab File: VN063812.D
Acq: 2 Oct 2020 10:55

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Tot Ion: 94 Resp: 112224
Ion Ratio Lower Upper
94 100
96 93.3 73.3 109.9

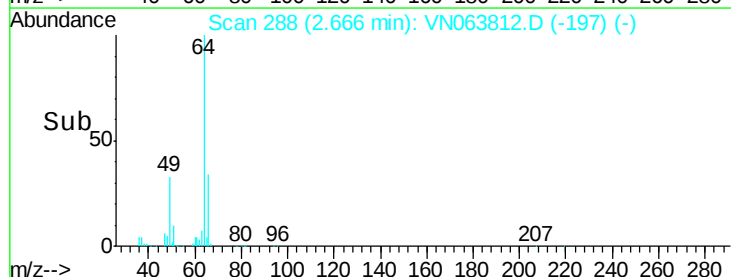
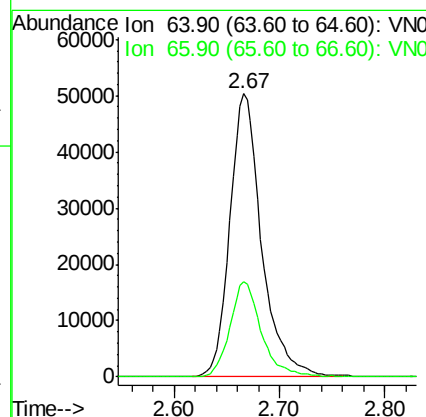
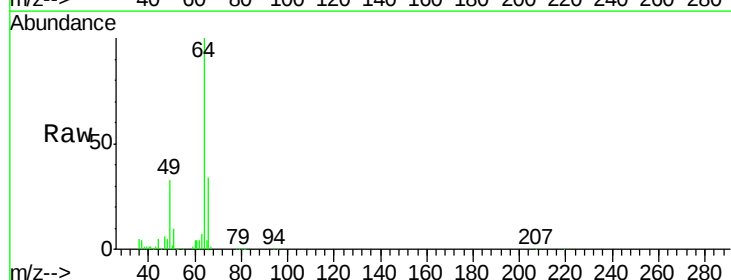
Manual Integrations
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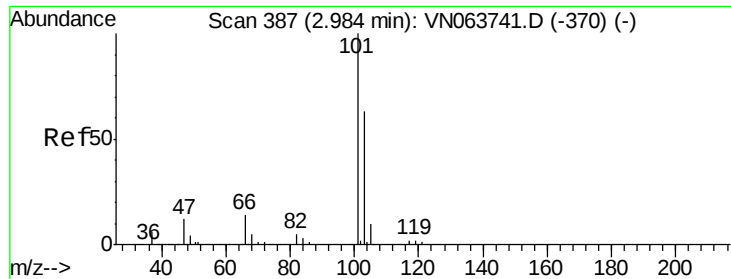
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10/5/2020 5:35:17 PM



#6
Chloroethane
Concen: 50.896 ug/l
RT: 2.67 min Scan# 288
Delta R.T. -0.01 min
Lab File: VN063812.D
Acq: 2 Oct 2020 10:55

Tgt Ion: 64 Resp: 104948
Ion Ratio Lower Upper
64 100
66 33.6 25.1 37.7





#7

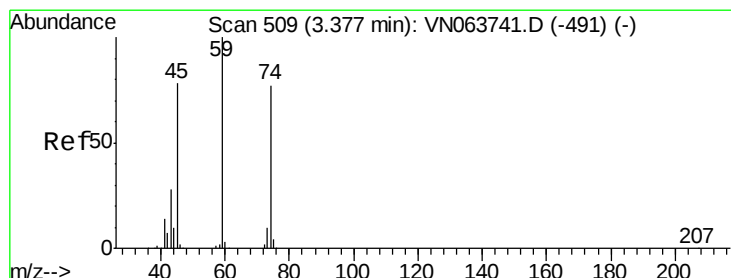
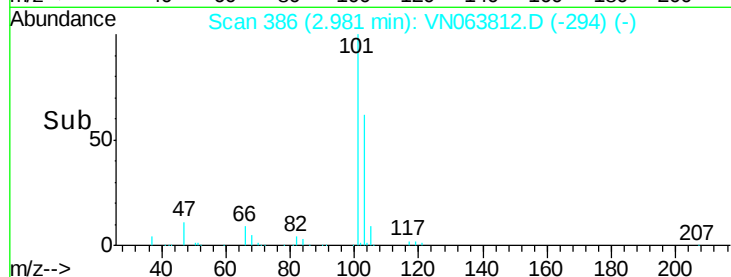
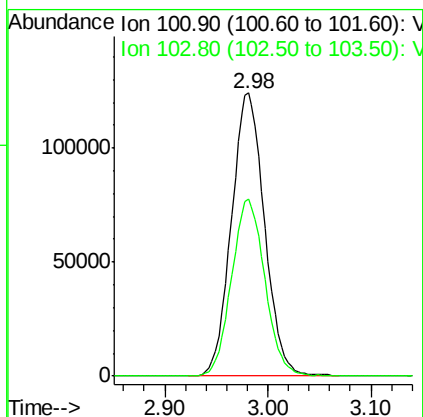
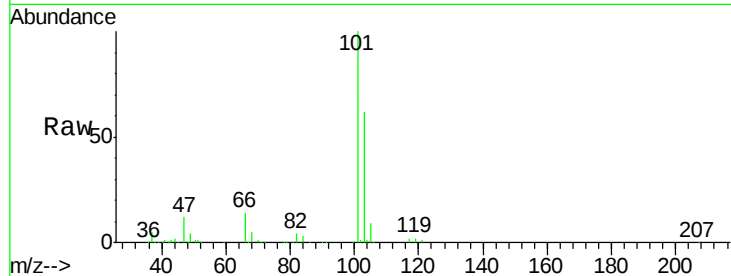
Trichlorofluoromethane
Concen: 50.617 ug/l
RT: 2.98 min Scan# 386
Delta R.T. -0.00 min
Lab File: VN063812.D
Acq: 2 Oct 2020 10:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.4	50.7	76.1

Manual Integrations
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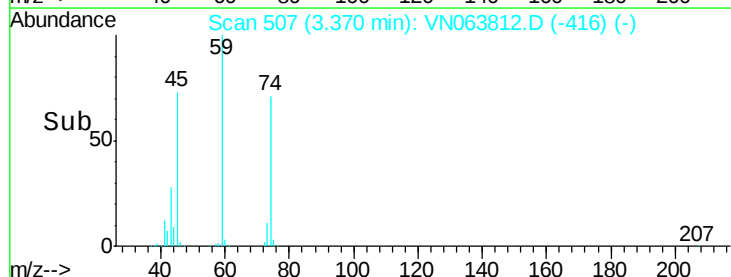
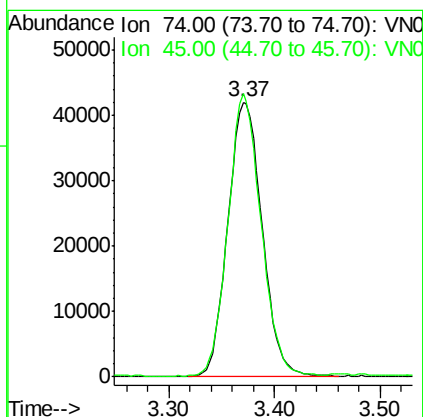
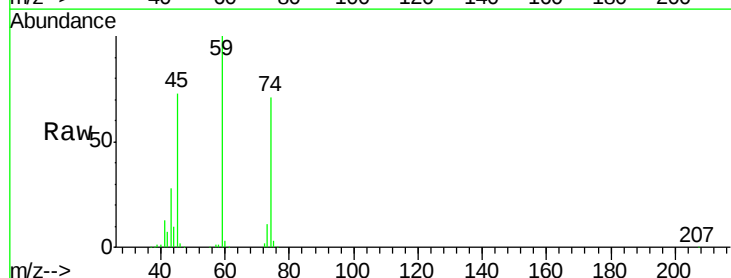
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#8

Diethyl Ether
Concen: 51.289 ug/l
RT: 3.37 min Scan# 507
Delta R.T. -0.01 min
Lab File: VN063812.D
Acq: 2 Oct 2020 10:55

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.7	50.9	152.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.800 ug/l

RT: 3.72 min Scan# 615

Delta R.T. 0.00 min

Lab File: VN063812.D

Acq: 2 Oct 2020 10:55

Instrument :

MSVOA_N

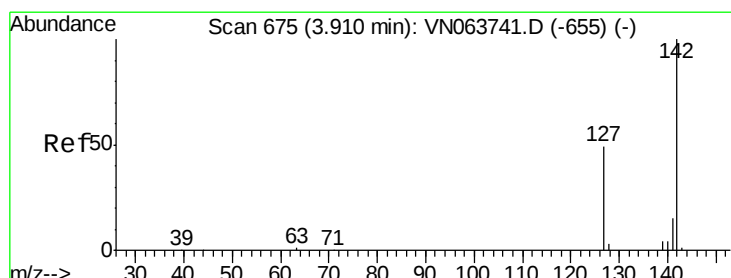
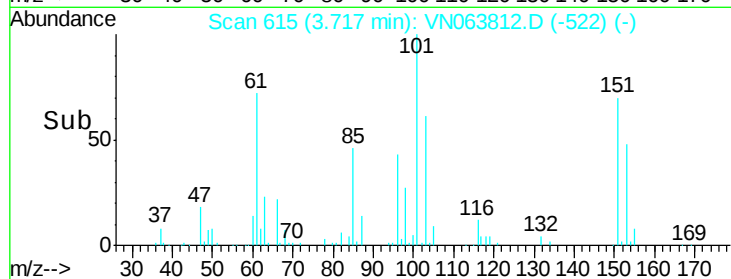
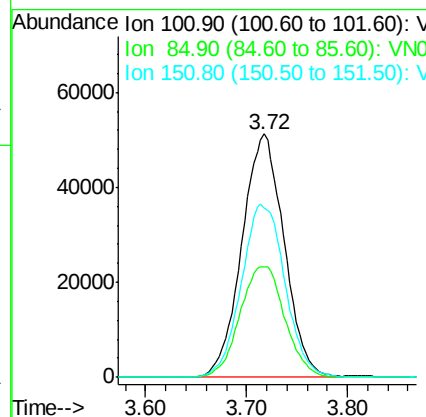
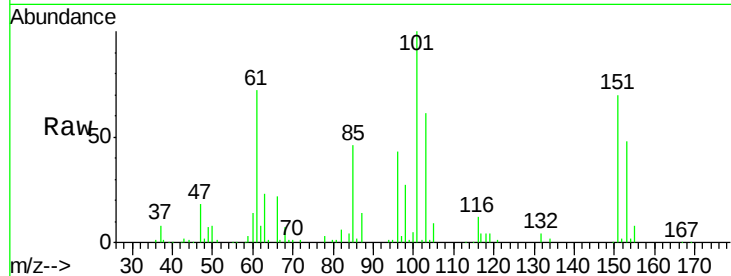
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	148599
Ion Ratio	Lower	Upper	
101	100		
85	48.5	38.6	58.0
151	73.9	58.7	88.1

Manual Integrations
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#10

Methyl Iodide

Concen: 53.543 ug/l

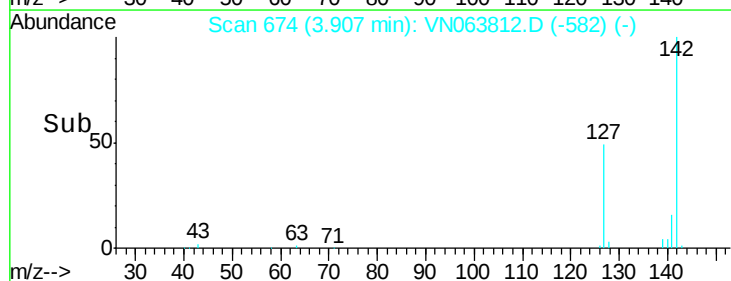
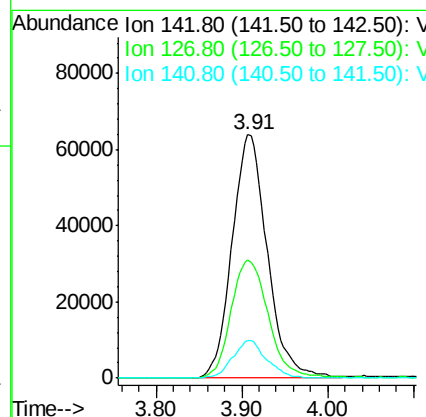
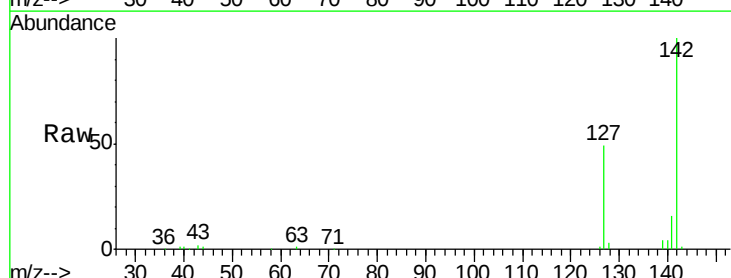
RT: 3.91 min Scan# 674

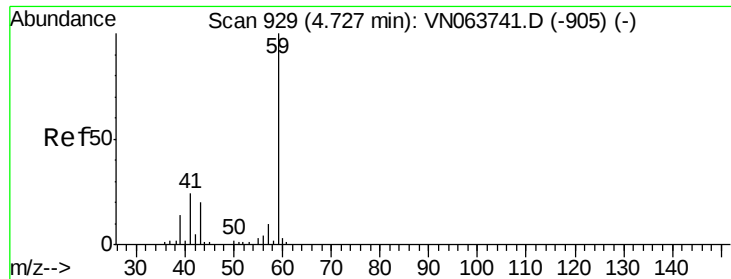
Delta R.T. -0.00 min

Lab File: VN063812.D

Acq: 2 Oct 2020 10:55

Tgt Ion:	142	Resp:	181854
Ion Ratio	Lower	Upper	
142	100		
127	51.1	40.5	60.7
141	14.9	11.7	17.5





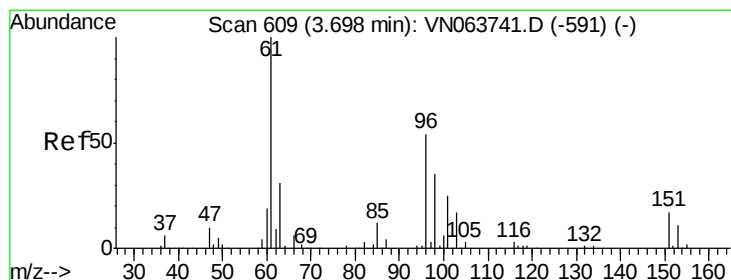
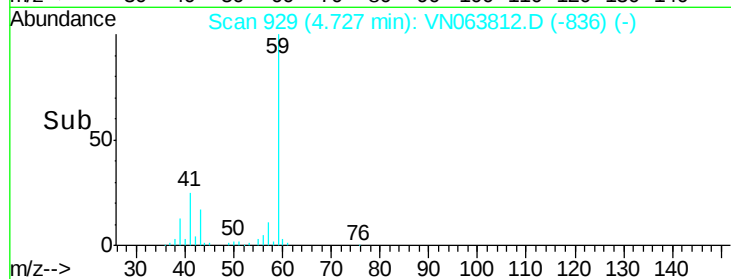
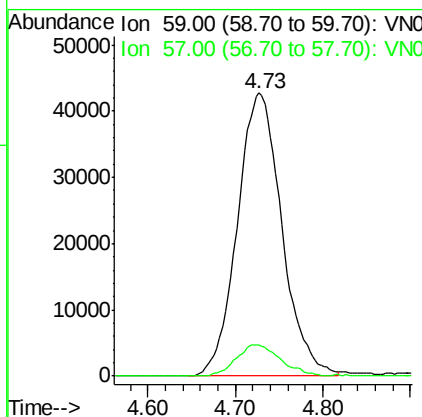
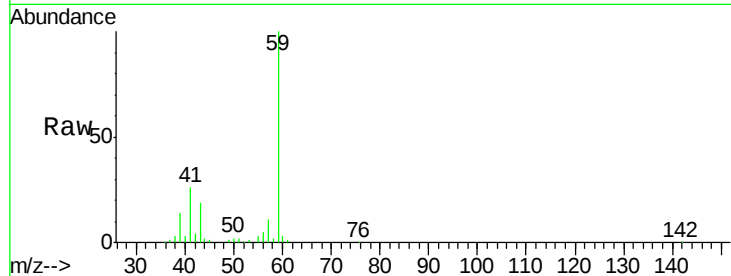
#11
Tert butyl alcohol
Concen: 297.381 ug/l
RT: 4.73 min Scan# 929
Delta R.T. 0.00 min
Lab File: VN063812.D
Acq: 2 Oct 2020 10:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 150605
Ion Ratio Lower Upper
59 100
57 11.2 8.7 13.1

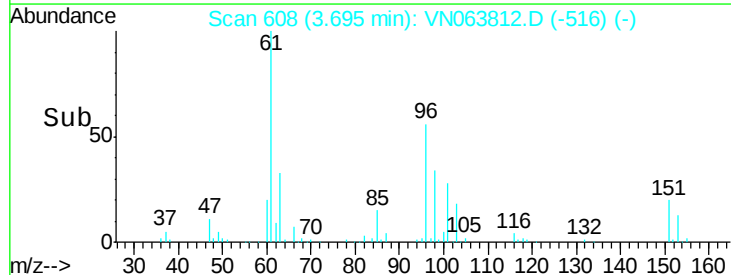
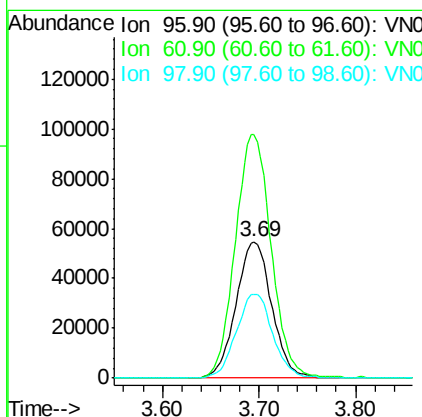
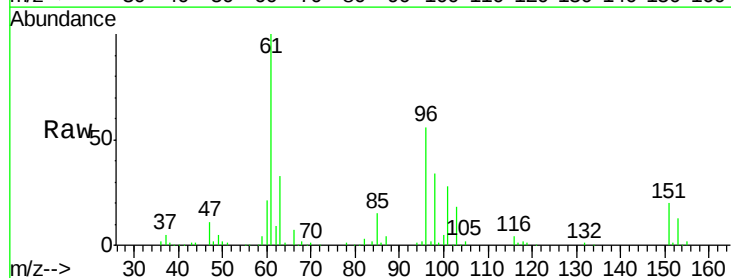
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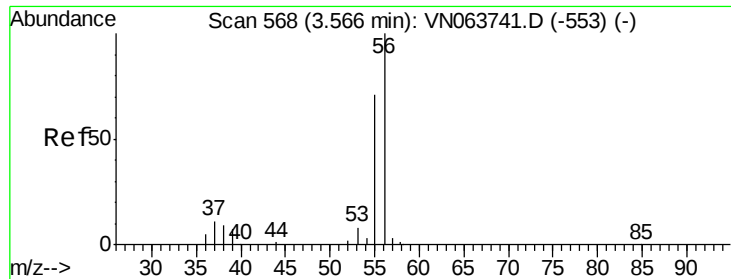
MMDadoda
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#12
1,1-Dichloroethene
Concen: 50.213 ug/l
RT: 3.69 min Scan# 608
Delta R.T. -0.00 min
Lab File: VN063812.D
Acq: 2 Oct 2020 10:55

Tgt Ion: 96 Resp: 140397
Ion Ratio Lower Upper
96 100
61 178.9 147.7 221.5
98 61.7 51.9 77.9





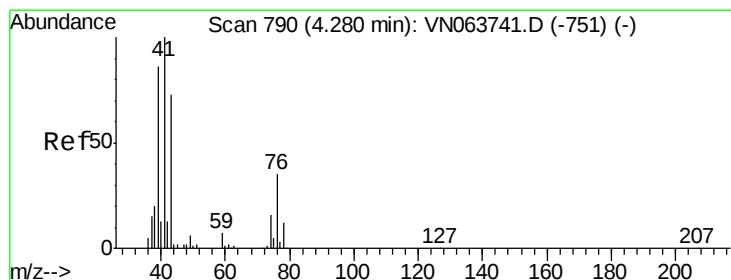
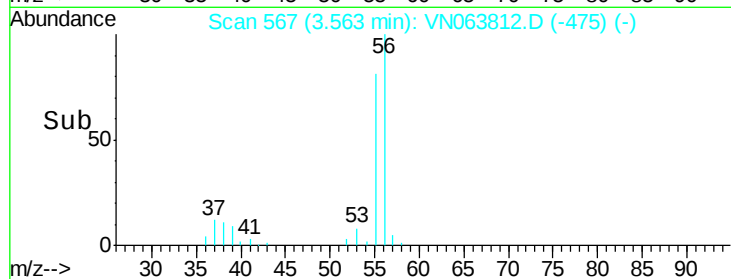
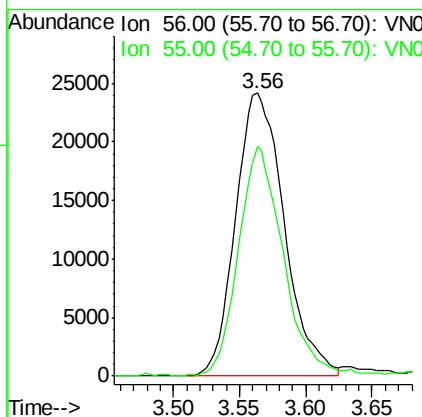
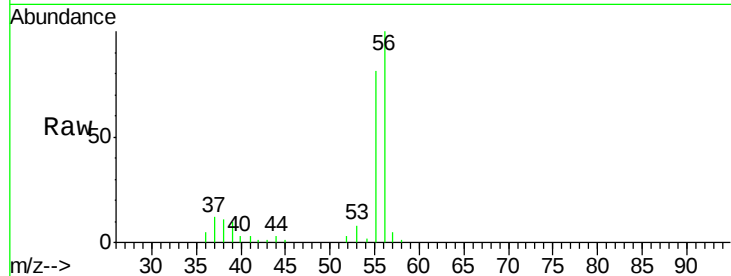
#13
Acrolein
Concen: 199.174 ug/l
RT: 3.56 min Scan# 567
Delta R.T. -0.00 min
Lab File: VN063812.D
Acq: 2 Oct 2020 10:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	61908
Ion Ratio	100	Lower	Upper
56	100		
55	74.1	56.9	85.3

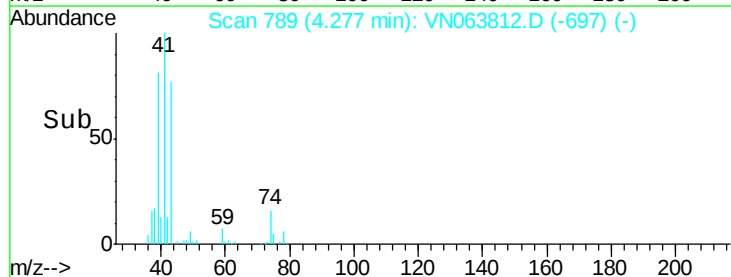
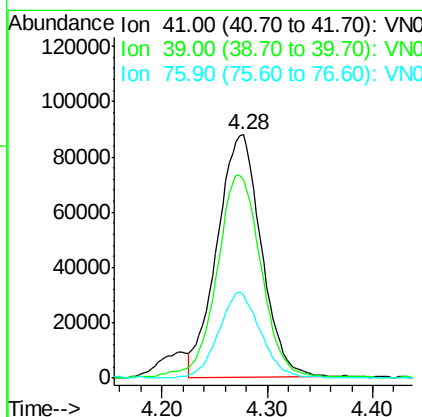
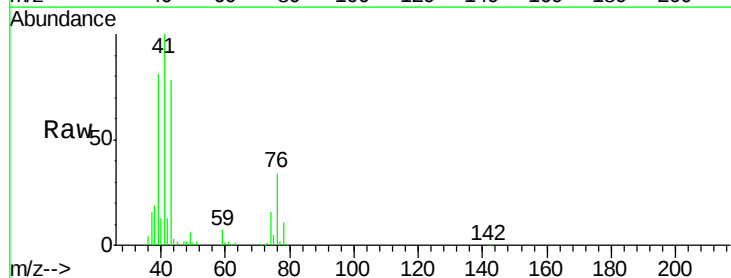
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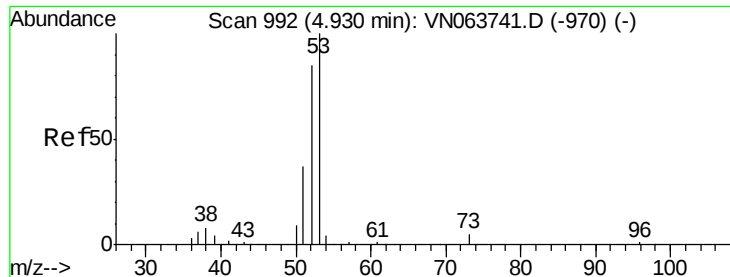
MMDadoda
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#14
Allyl chloride
Concen: 48.856 ug/l
RT: 4.28 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN063812.D
Acq: 2 Oct 2020 10:55

Tgt Ion	41	Resp	253780
Ion Ratio	100	Lower	Upper
41	100		
39	84.0	64.5	96.7
76	32.8	25.9	38.9





#15

Acrylonitrile

Concen: 272.078 ug/l

RT: 4.92 min Scan# 990

Delta R.T. -0.01 min

Lab File: VN063812.D

Acq: 2 Oct 2020 10:55

Instrument :

MSVOA_N

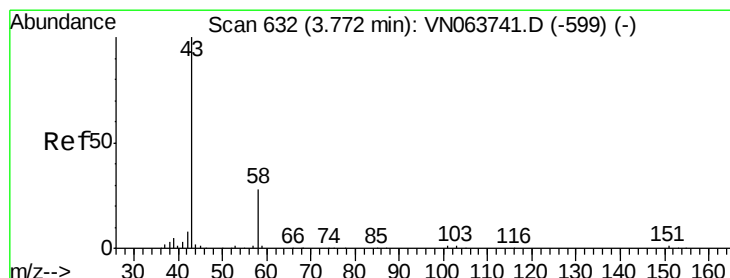
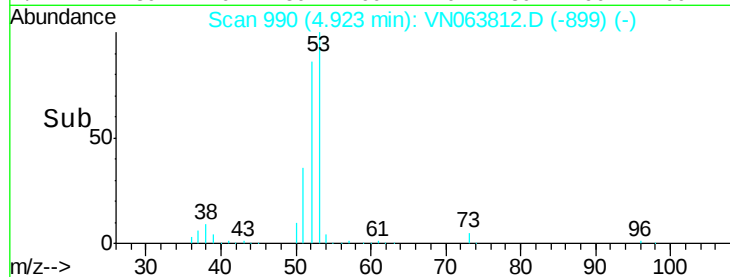
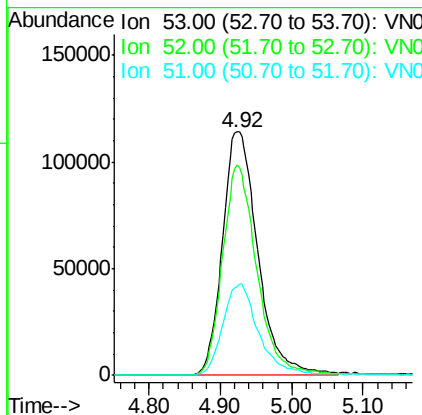
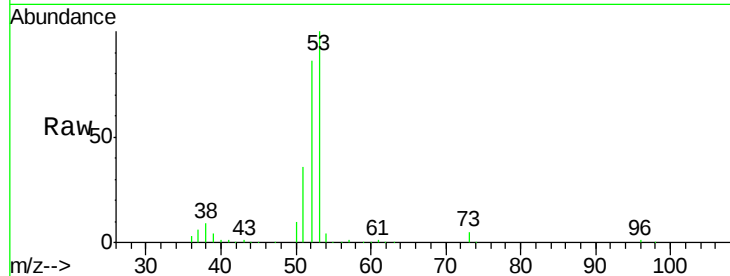
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	394417
Ion Ratio	Lower	Upper	
53	100		
52	83.5	66.5	99.7
51	38.1	29.9	44.9

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#16

Acetone

Concen: 281.097 ug/l

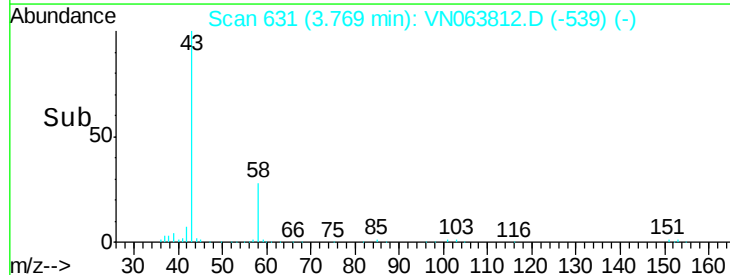
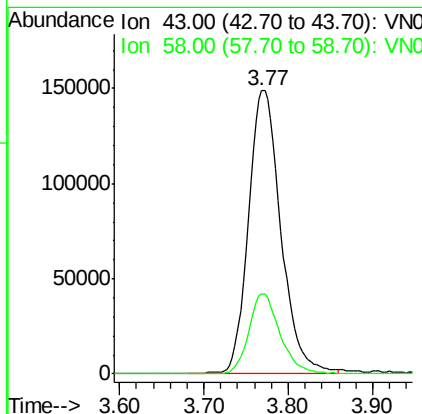
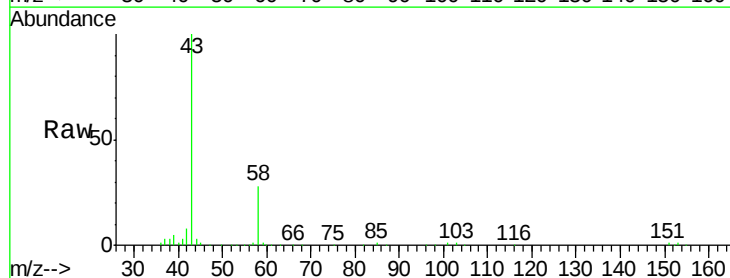
RT: 3.77 min Scan# 631

Delta R.T. -0.00 min

Lab File: VN063812.D

Acq: 2 Oct 2020 10:55

Tgt Ion:	43	Resp:	396931
Ion Ratio	Lower	Upper	
43	100		
58	28.4	22.3	33.5





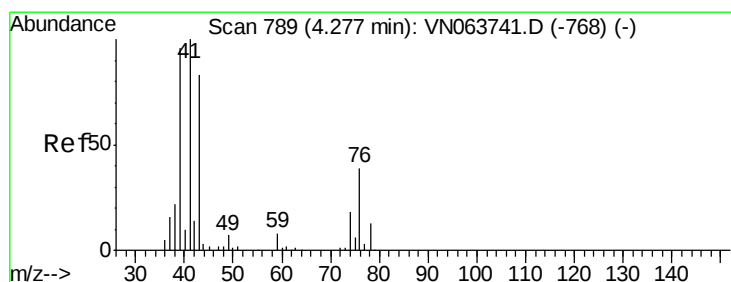
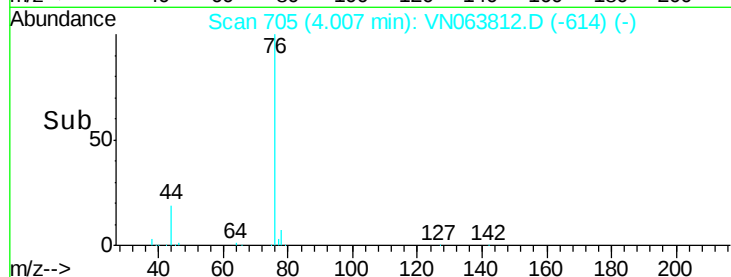
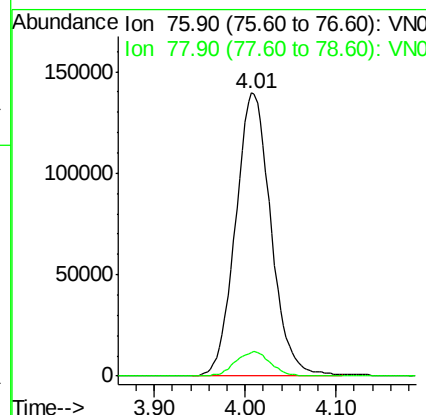
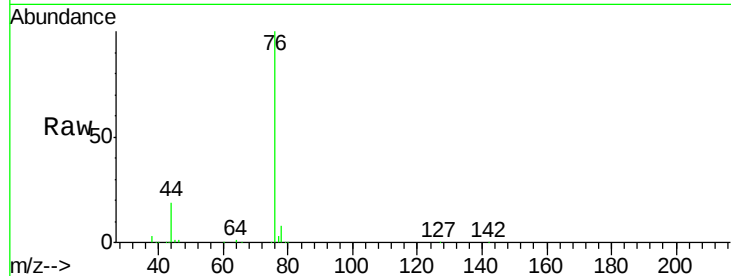
#17
Carbon Disulfide
Concen: 49.950 ug/l
RT: 4.01 min Scan# 705
Delta R.T. -0.01 min
Lab File: VN063812.D
Acq: 2 Oct 2020 10:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 377473
Ion Ratio Lower Upper
76 100
78 8.3 7.0 10.4

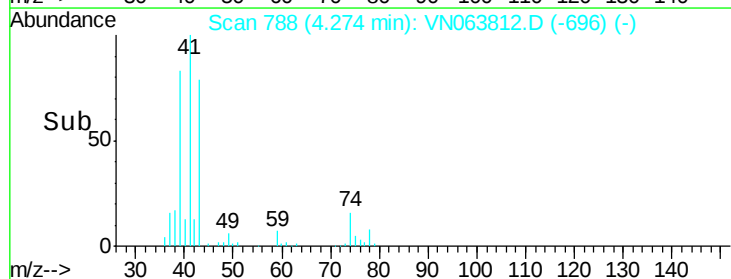
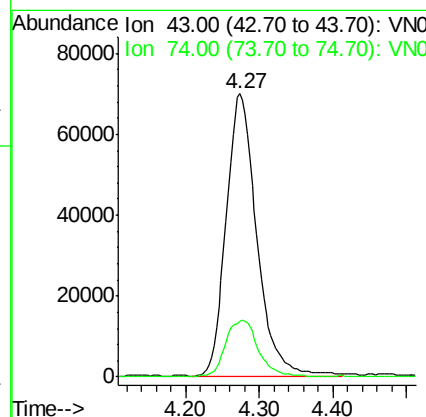
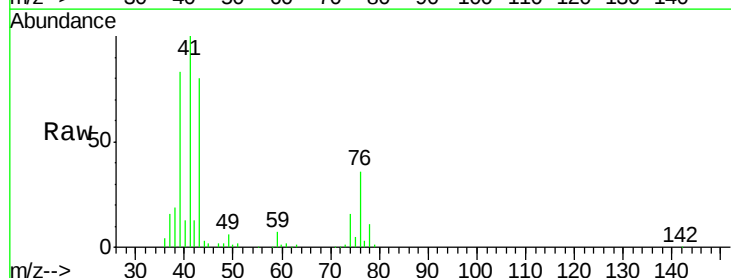
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#18
Methyl Acetate
Concen: 54.923 ug/l
RT: 4.27 min Scan# 788
Delta R.T. -0.00 min
Lab File: VN063812.D
Acq: 2 Oct 2020 10:55

Tgt Ion: 43 Resp: 201364
Ion Ratio Lower Upper
43 100
74 21.4 17.4 26.2





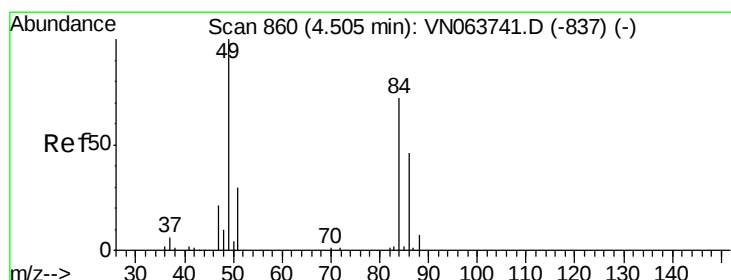
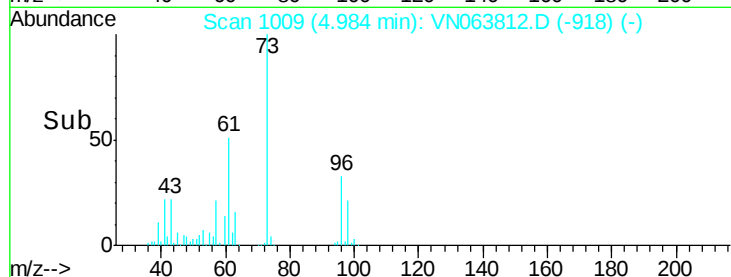
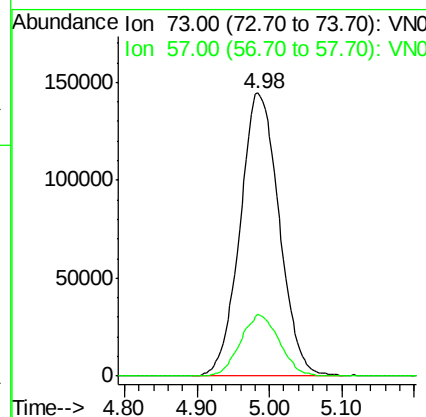
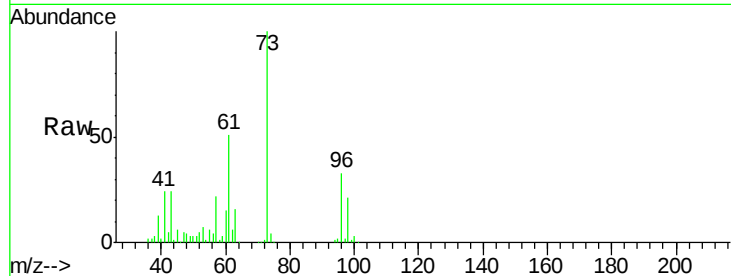
#19
Methvl tert-butvl Ether
Concen: 53.210 ug/l
RT: 4.98 min Scan# 1009
Delta R.T. -0.01 min
Lab File: VN063812.D
Acq: 2 Oct 2020 10:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 540518
Ion Ratio Lower Upper
73 100
57 21.7 17.6 26.4

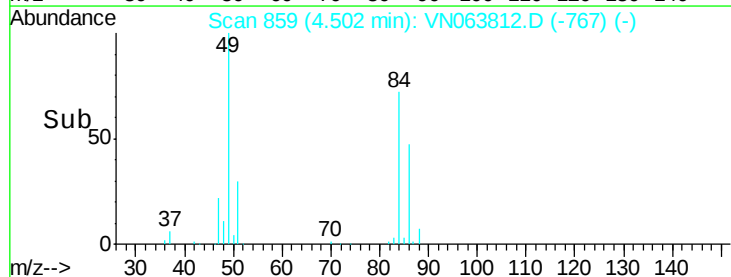
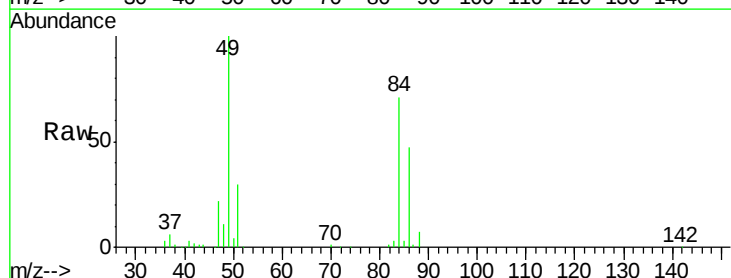
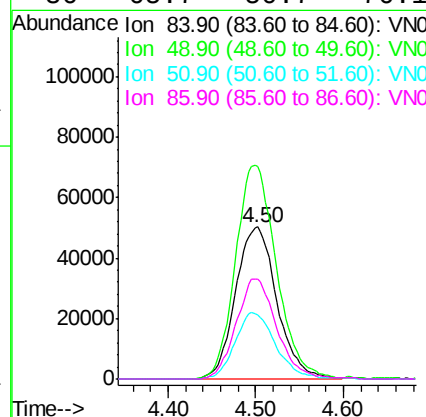
Manual Integrations
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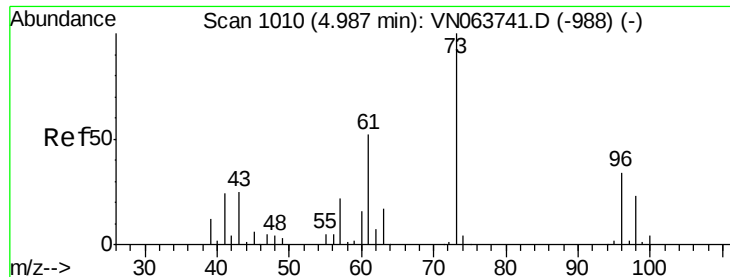
MMDadoda
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#20
Methylene Chloride
Concen: 51.082 ug/l
RT: 4.50 min Scan# 859
Delta R.T. -0.00 min
Lab File: VN063812.D
Acq: 2 Oct 2020 10:55

Tgt Ion: 84 Resp: 165223
Ion Ratio Lower Upper
84 100
49 140.0 110.4 165.6
51 41.8 33.3 49.9
86 65.7 50.7 76.1





#21

trans-1,2-Dichloroethene

Concen: 49.821 ug/l

RT: 4.98 min Scan# 1009

Delta R.T. -0.00 min

Lab File: VN063812.D

Acq: 2 Oct 2020 10:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 156029

Ion Ratio Lower Upper

96 100

61 154.2 120.2 180.2

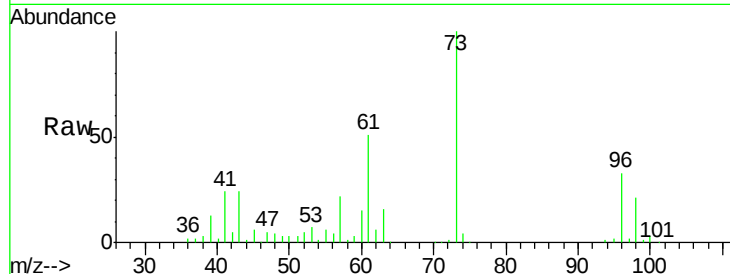
98 63.0 52.6 79.0

Manual Integrations

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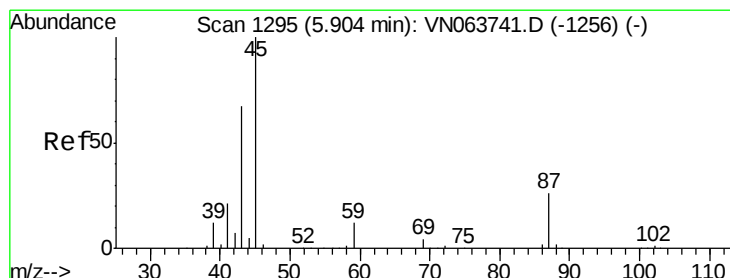
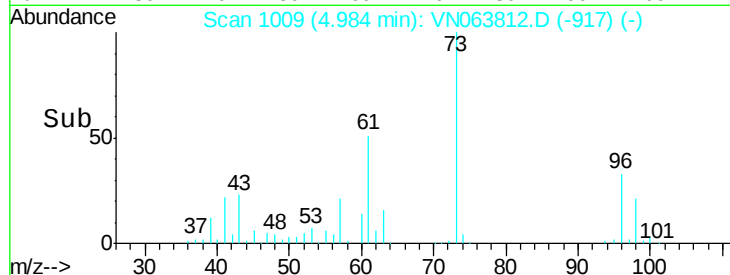
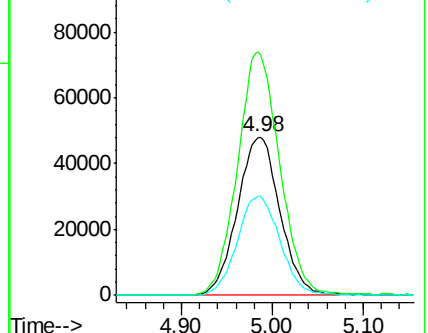


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 53.981 ug/l

RT: 5.90 min Scan# 1293

Delta R.T. -0.01 min

Lab File: VN063812.D

Acq: 2 Oct 2020 10:55

Tgt Ion: 45 Resp: 576909

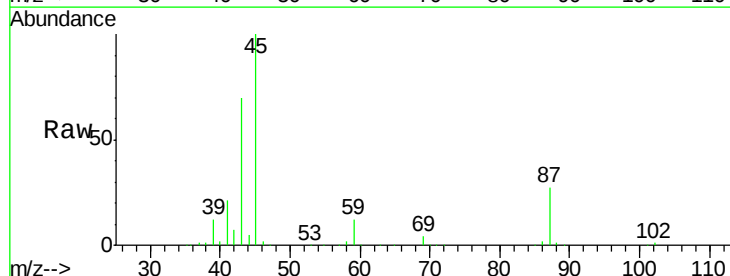
Ion Ratio Lower Upper

45 100

43 68.4 53.7 80.5

87 26.5 21.1 31.7

59 11.4 9.2 13.8



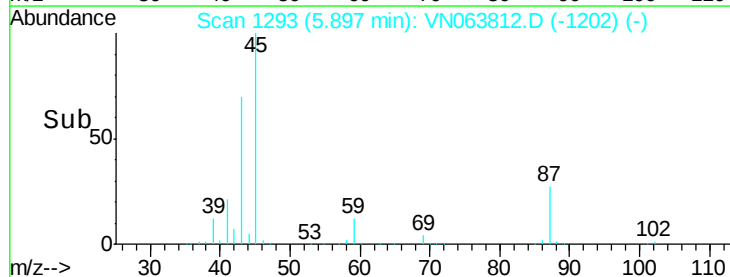
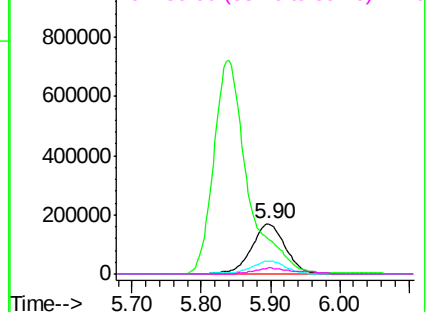
Abundance

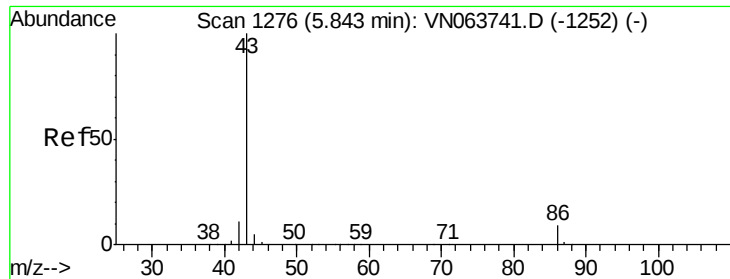
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 276.125 ug/l

RT: 5.84 min Scan# 1275

Delta R.T. -0.00 min

Lab File: VN063812.D

Acq: 2 Oct 2020 10:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2444497

Ion Ratio Lower Upper

43 100

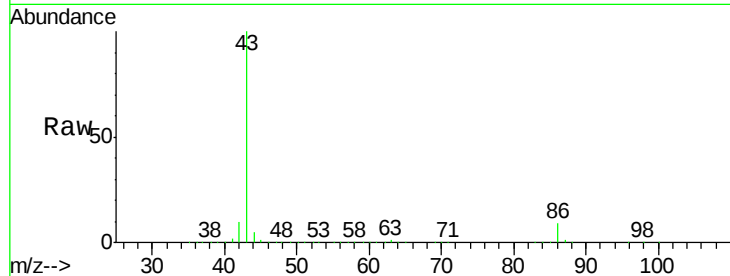
86 8.8 7.3 10.9

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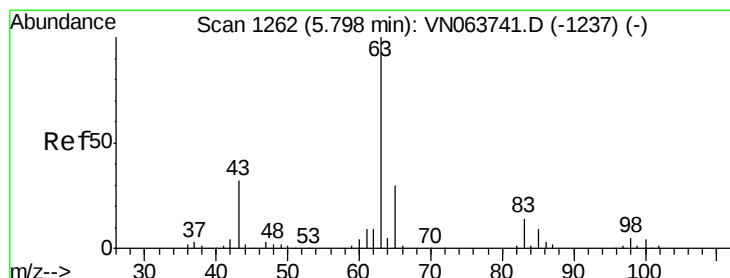
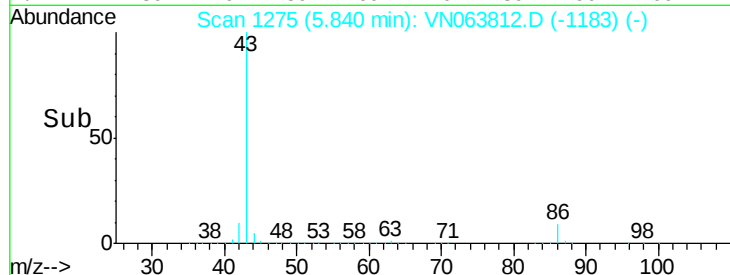
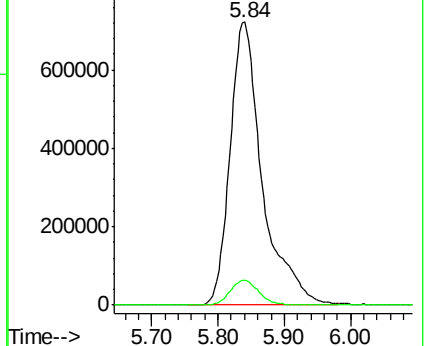
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 50.989 ug/l

RT: 5.79 min Scan# 1260

Delta R.T. -0.01 min

Lab File: VN063812.D

Acq: 2 Oct 2020 10:55

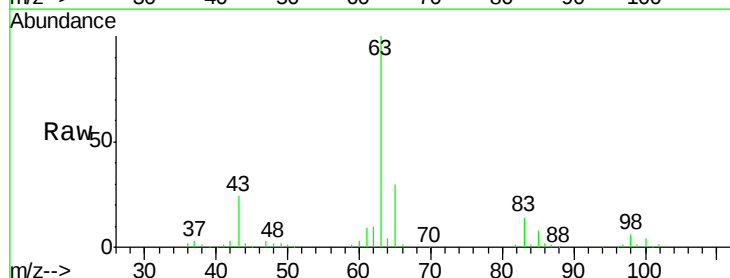
Tgt Ion: 63 Resp: 311576

Ion Ratio Lower Upper

63 100

98 6.0 2.7 8.1

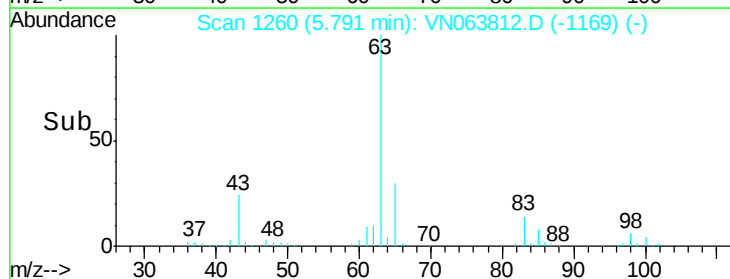
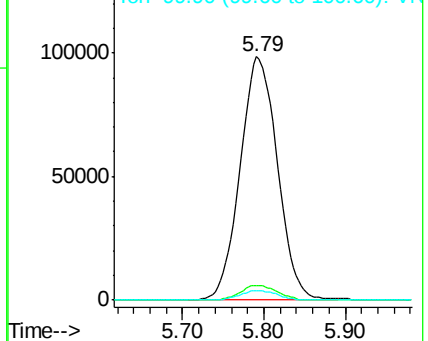
100 3.9 1.9 5.7



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 294.876 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VN063812.D

Acq: 2 Oct 2020 10:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 590336

Ion Ratio Lower Upper

43 100

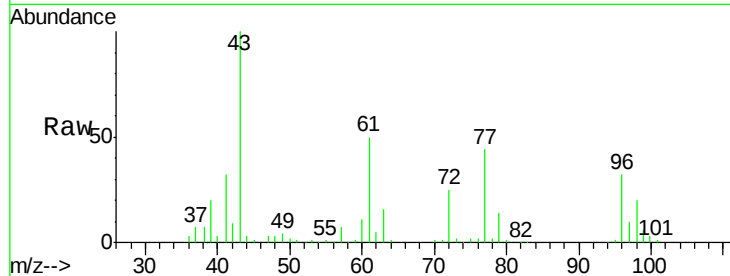
72 24.6 19.3 28.9

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.78

200000

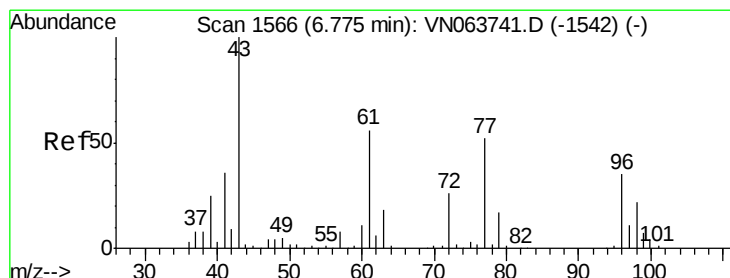
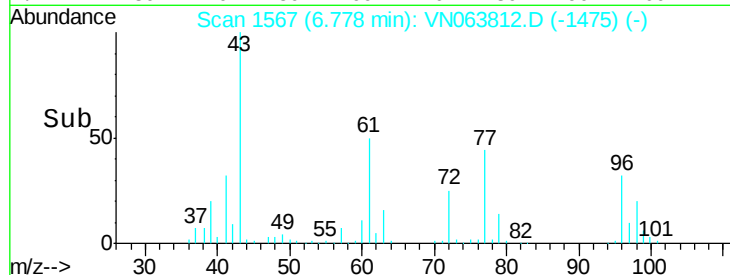
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 52.089 ug/l

RT: 6.77 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN063812.D

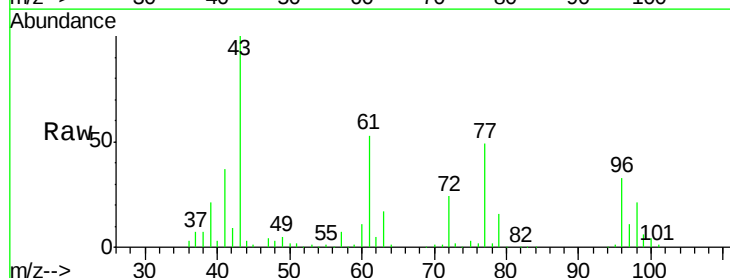
Acq: 2 Oct 2020 10:55

Tgt Ion: 77 Resp: 291489

Ion Ratio Lower Upper

77 100

97 21.4 10.8 32.3



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.77

100000

80000

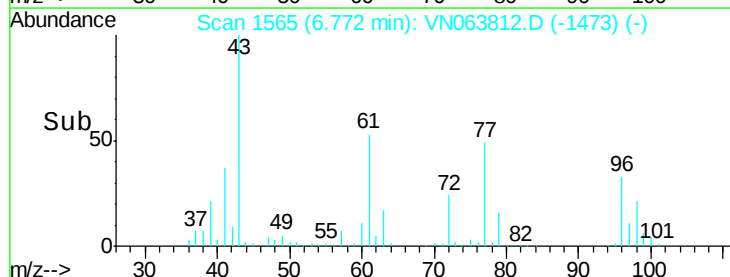
60000

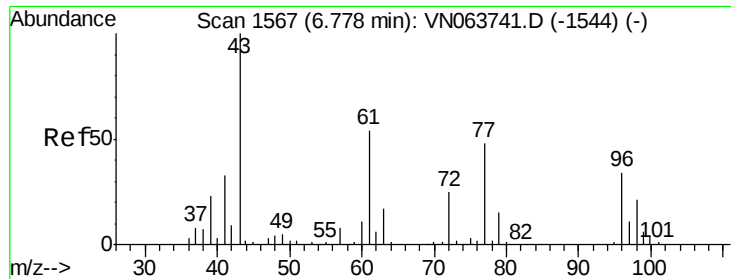
40000

20000

0

Time-->





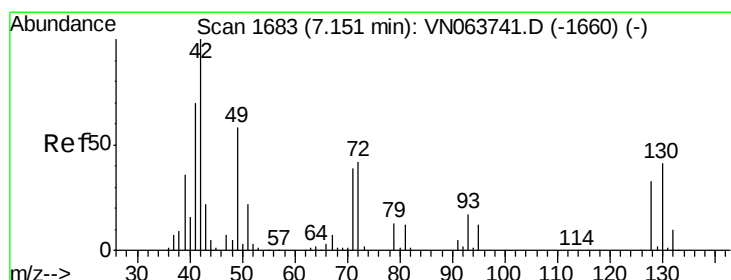
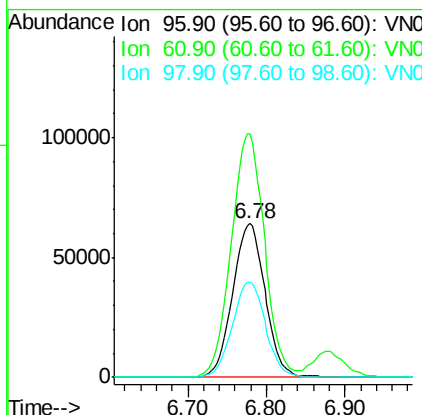
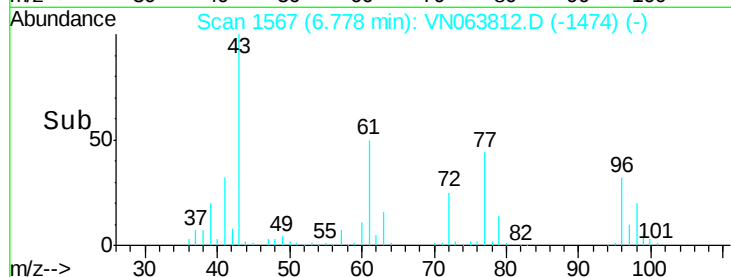
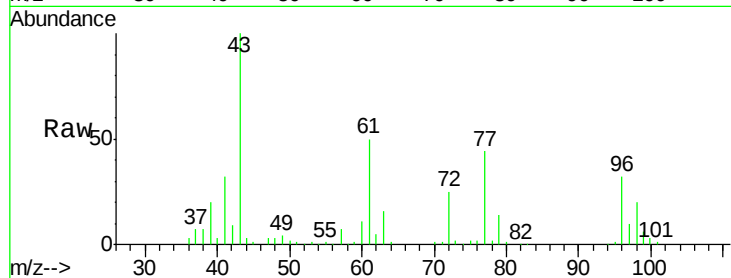
#27
 cis-1,2-Dichloroethene
 Concen: 51.564 ug/l
 RT: 6.78 min Scan# 1567
 Delta R.T. 0.00 min
 Lab File: VN063812.D
 Acq: 2 Oct 2020 10:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	185727		
61	161.7	0.0	321.2	
98	63.2	0.0	124.4	

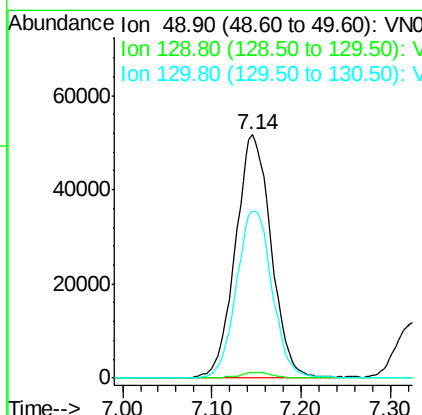
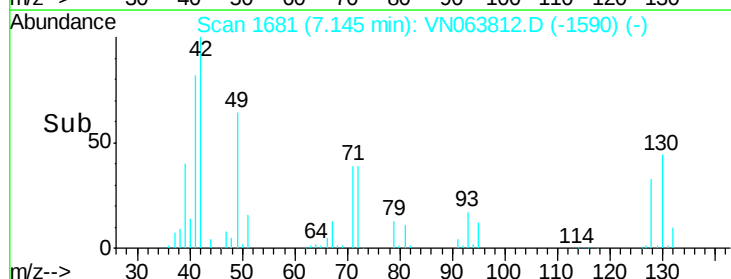
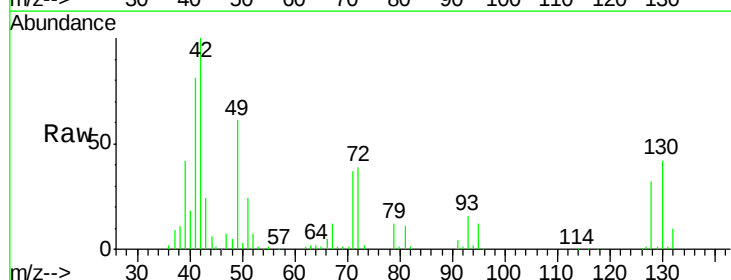
Manual Integrations
 APPROVED

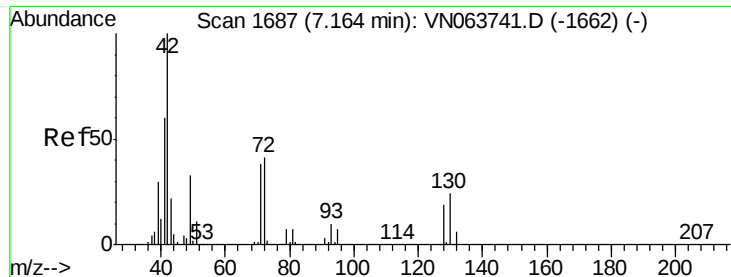
MMDadoda
 10/5/2020 5:35:17 PM



#28
 Bromochloromethane
 Concen: 47.641 ug/l
 RT: 7.14 min Scan# 1681
 Delta R.T. -0.01 min
 Lab File: VN063812.D
 Acq: 2 Oct 2020 10:55

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	143885		
129	2.1	0.0	4.8	
130	68.5	55.6	83.4	





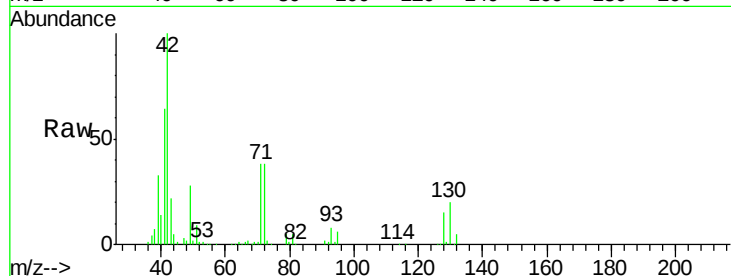
#29
Tetrahydrofuran
Concen: 283.223 ug/l
RT: 7.16 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VN063812.D
Acq: 2 Oct 2020 10:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

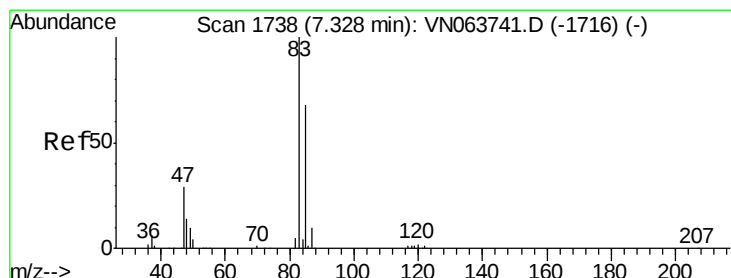
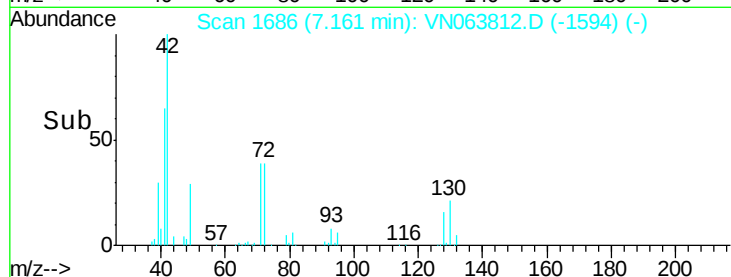
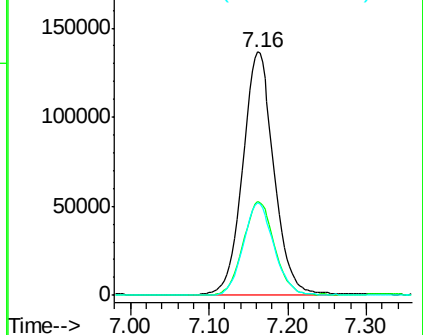
Tot Ion	Ratio	Lower	Upper
42	100		
72	39.0	32.8	49.2
71	37.8	30.6	45.8

Manual Integrations
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10/5/2020 5:35:17 PM

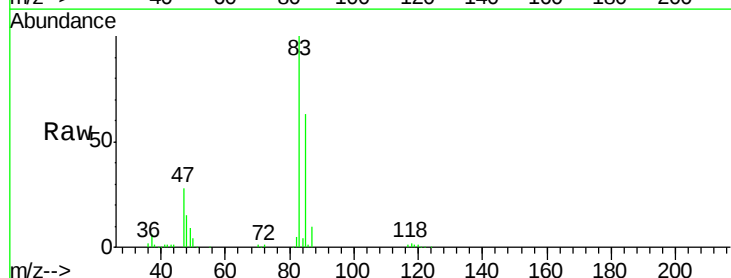


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

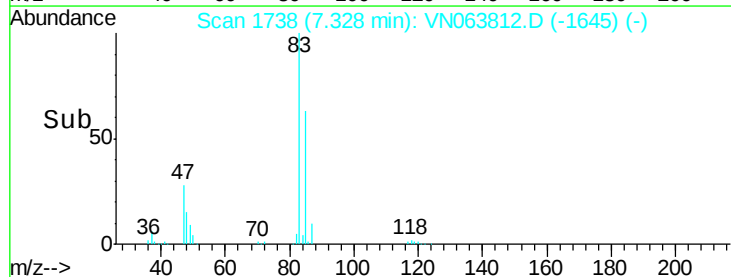
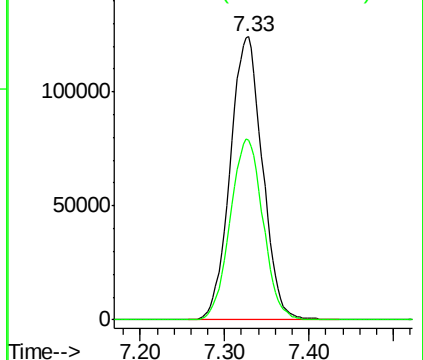


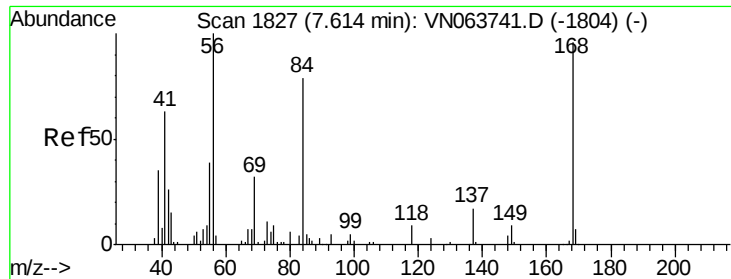
#30
Chloroform
Concen: 51.847 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN063812.D
Acq: 2 Oct 2020 10:55

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.3	54.6	82.0



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





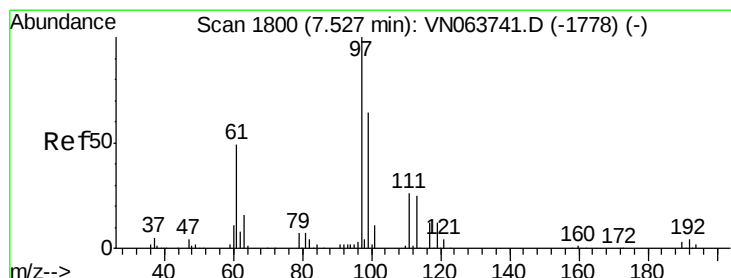
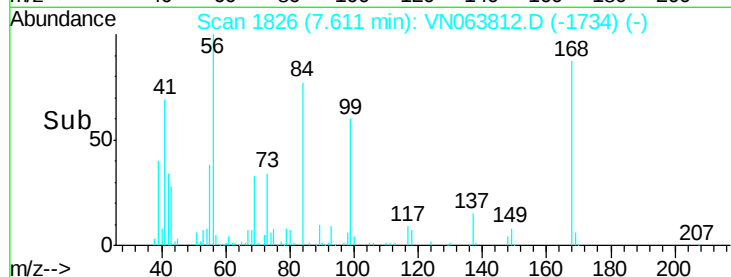
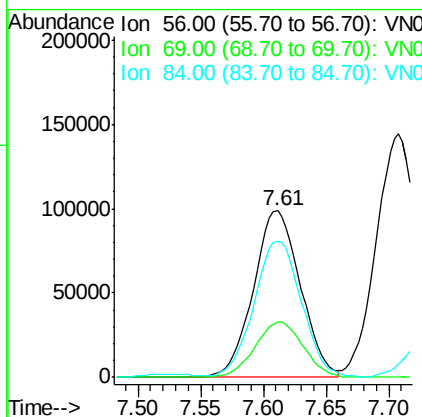
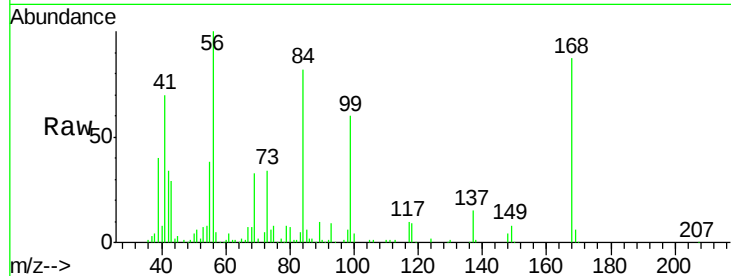
#31
Cyclohexane
Concen: 48.434 ug/l
RT: 7.61 min Scan# 1826
Delta R.T. -0.00 min
Lab File: VN063812.D
Acq: 2 Oct 2020 10:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	257932
Ion	Ratio	Lower	Upper
56	100		
69	33.1	25.4	38.2
84	80.6	63.3	94.9

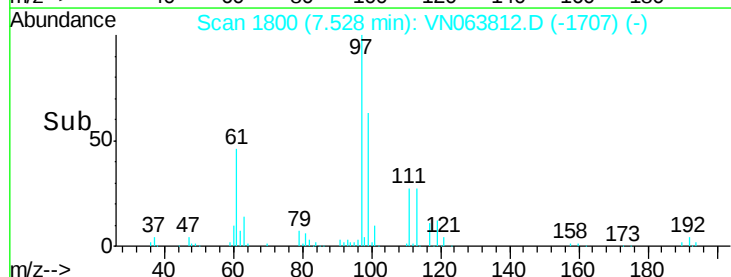
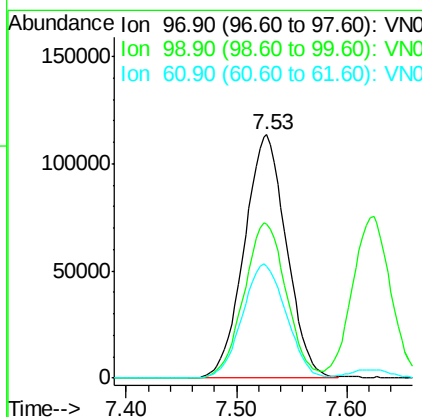
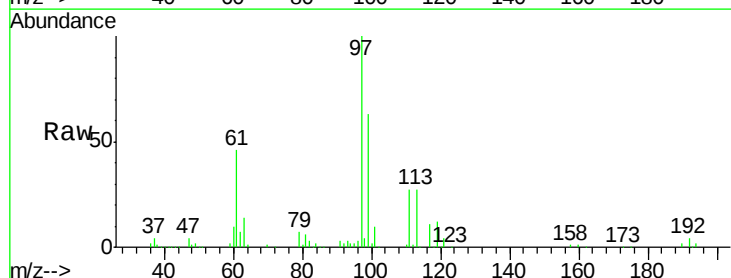
Manual Integrations
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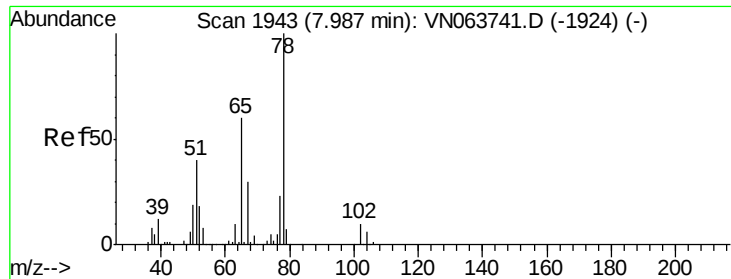
MMDadoda
10/5/2020 5:35:17 PM



#32
1,1,1-Trichloroethane
Concen: 52.253 ug/l
RT: 7.53 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VN063812.D
Acq: 2 Oct 2020 10:55

Tgt Ion	97	Resp	300294
Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.0	76.6
61	48.7	38.7	58.1





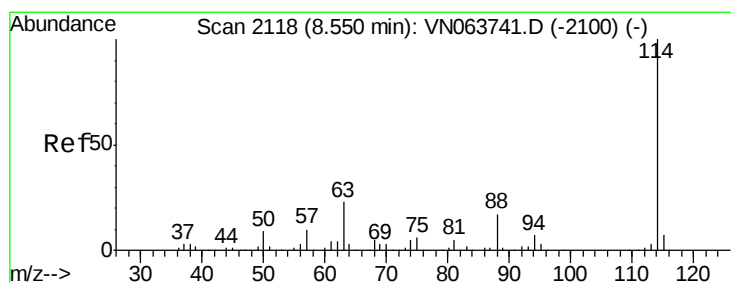
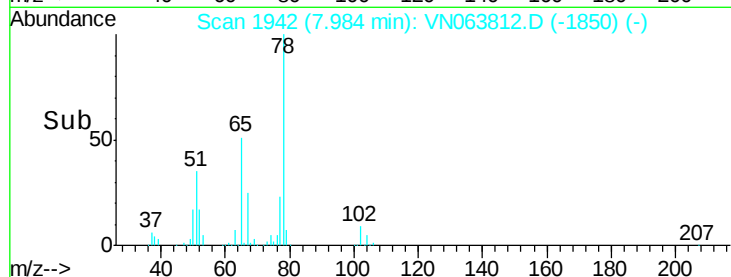
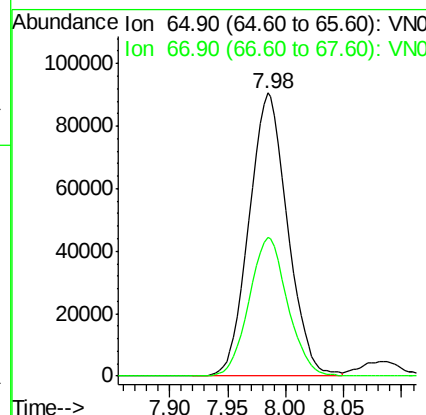
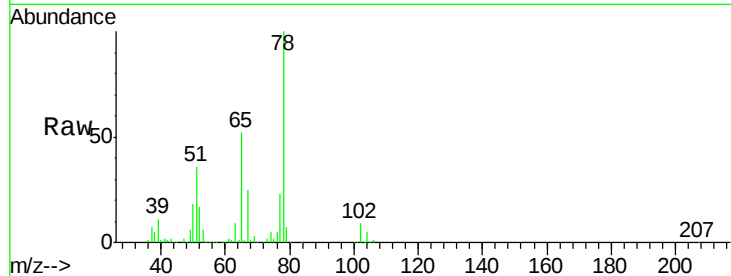
#33
 1,2-Dichloroethane-d4
 Concen: 45.748 ug/l
 RT: 7.98 min Scan# 1942
 Delta R.T. -0.00 min
 Lab File: VN063812.D
 Acq: 2 Oct 2020 10:55

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	209852		
67	49.0	0.0	99.6	

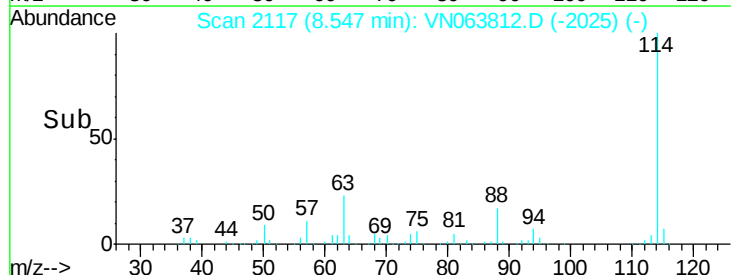
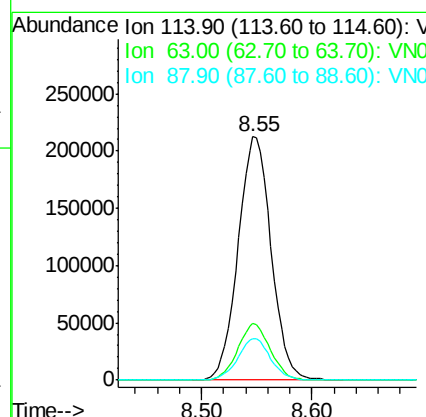
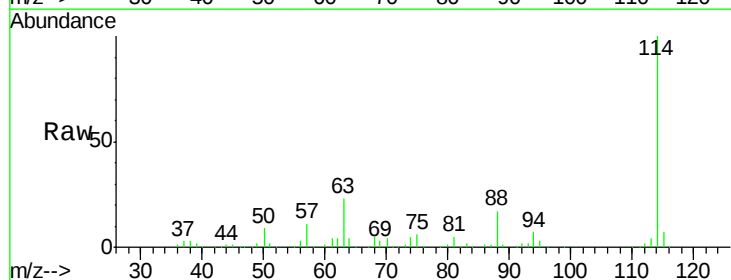
Manual Integrations
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 10/5/2020 5:35:17 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VN063812.D
 Acq: 2 Oct 2020 10:55

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	440678		
63	23.2	0.0	45.0	
88	17.1	0.0	34.0	





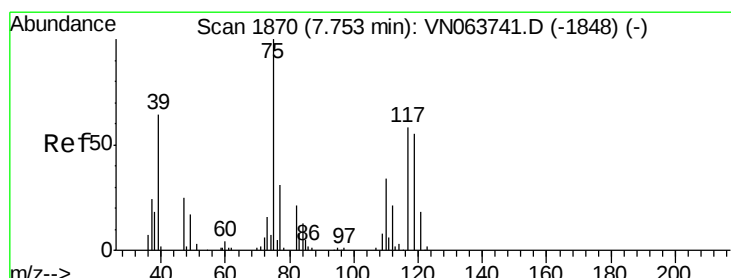
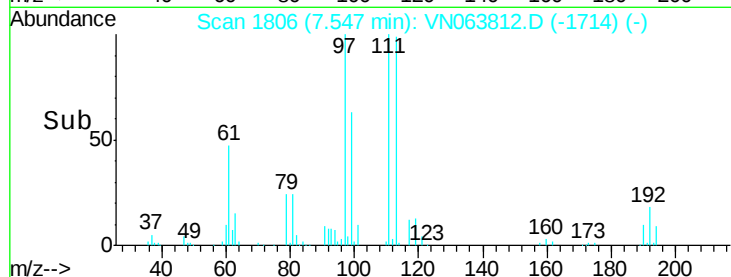
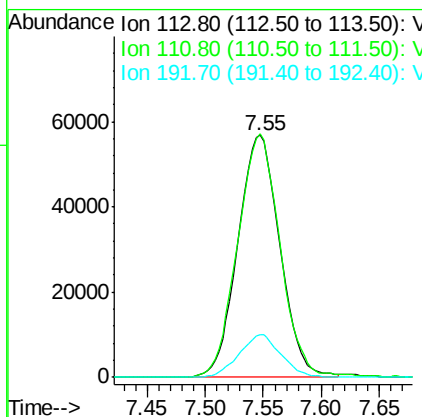
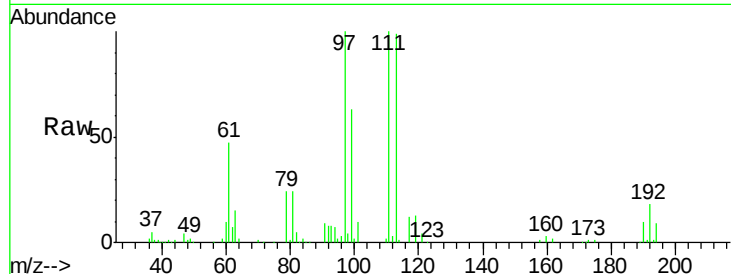
#35
Dibromofluoromethane
Concen: 46.918 ug/l
RT: 7.55 min Scan# 1806
Delta R.T. -0.00 min
Lab File: VN063812.D
Acq: 2 Oct 2020 10:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	143464		
111	102.0	81.8	122.8	
192	17.6	14.2	21.2	

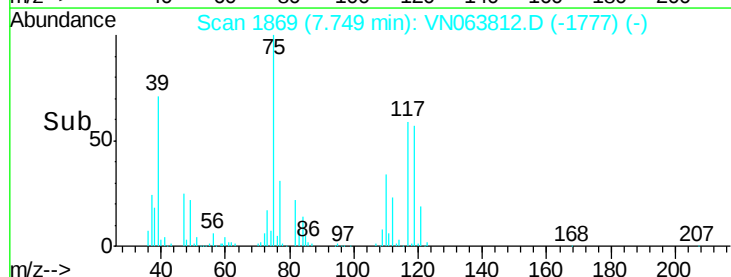
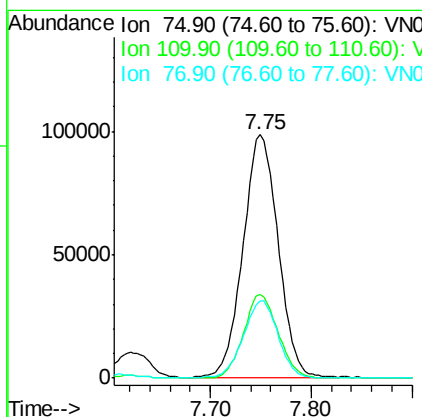
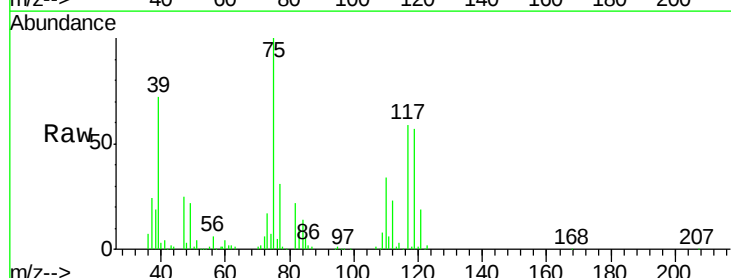
Manual Integrations
APPROVED

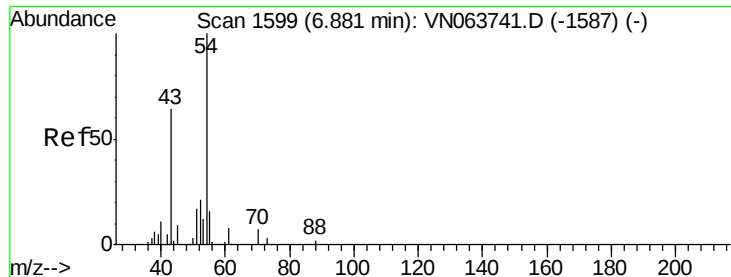
MMDadoda
10/5/2020 5:35:17 PM



#36
1,1-Dichloropropene
Concen: 53.207 ug/l
RT: 7.75 min Scan# 1869
Delta R.T. -0.00 min
Lab File: VN063812.D
Acq: 2 Oct 2020 10:55

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	237543		
110	33.9	16.9	50.6	
77	31.5	24.5	36.7	





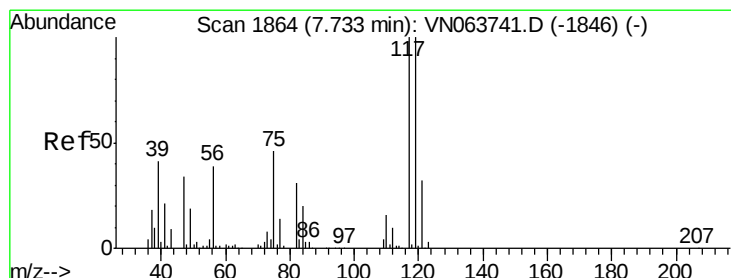
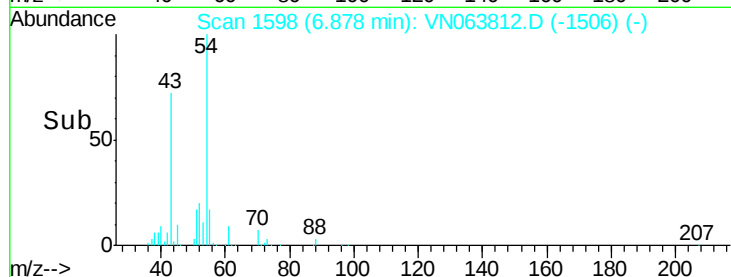
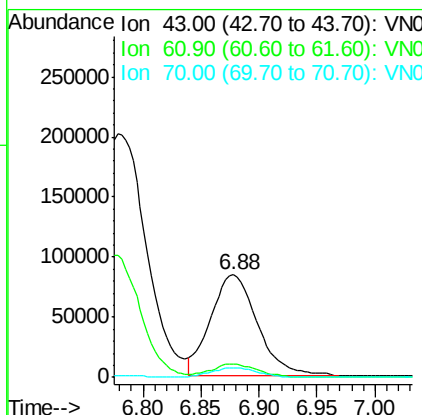
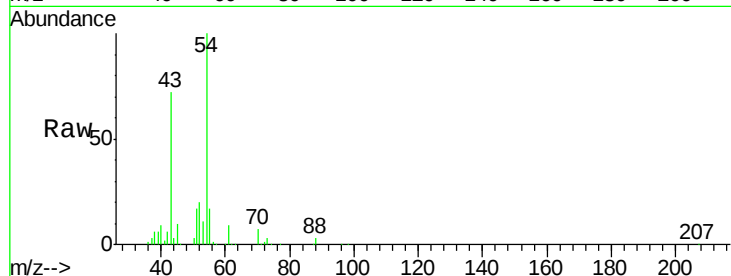
#37
Ethyl Acetate
Concen: 53.517 ug/l
RT: 6.88 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VN063812.D
Acq: 2 Oct 2020 10:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	43	61	70
Ratio	100	12.7	8.8
Lower		10.4	7.3
Upper		15.6	10.9

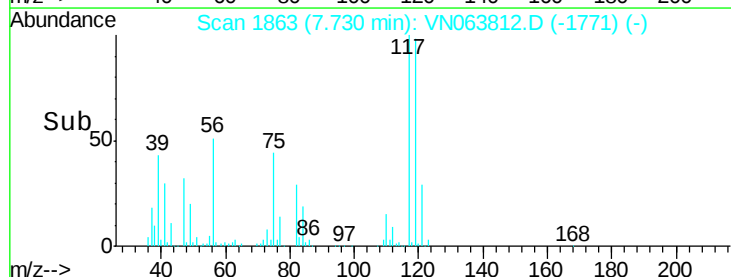
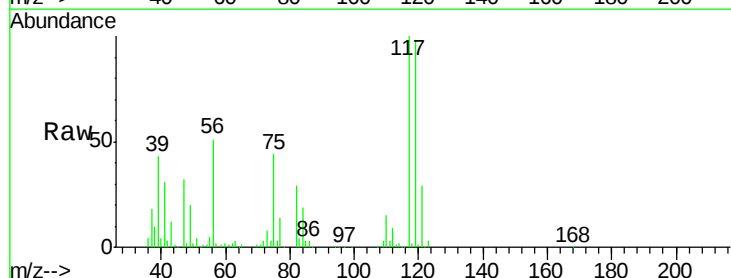
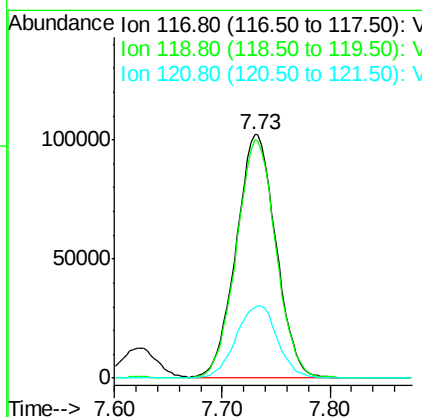
Manual Integrations
APPROVED

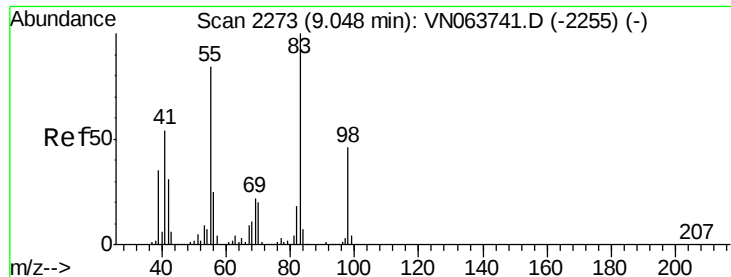
MMDadoda
10/5/2020 5:35:17 PM



#38
Carbon Tetrachloride
Concen: 52.174 ug/l
RT: 7.73 min Scan# 1863
Delta R.T. -0.00 min
Lab File: VN063812.D
Acq: 2 Oct 2020 10:55

Tgt Ion	117	119	121
Ratio	100	98.1	29.0
Lower		80.1	25.7
Upper		120.1	38.5





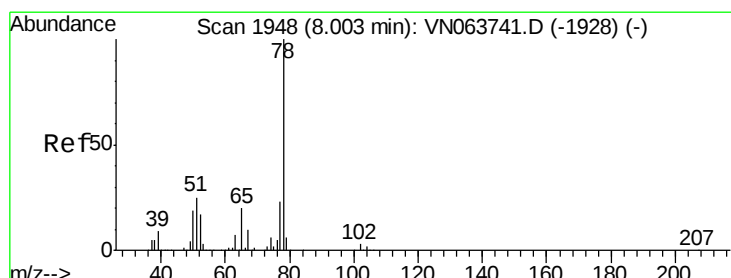
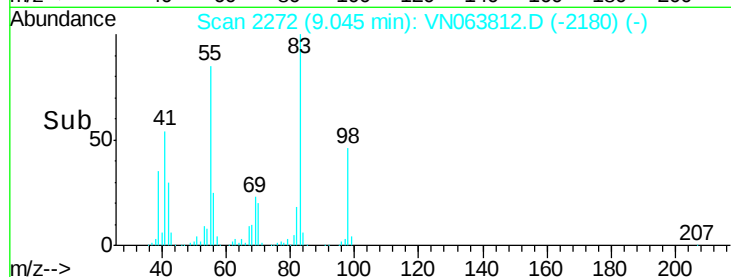
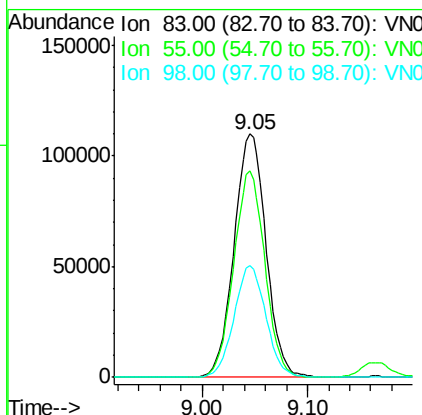
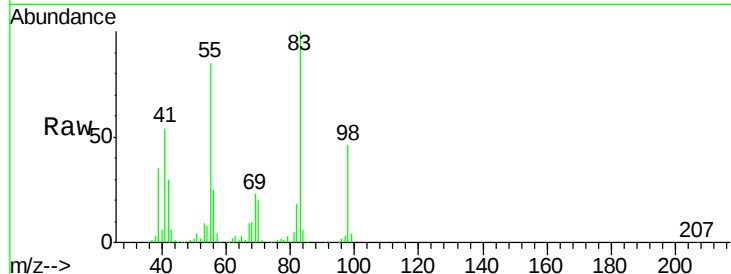
#39
Methvlcvclohexane
Concen: 51.976 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN063812.D
Acq: 2 Oct 2020 10:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	85.0	67.1	100.7
98	45.8	36.6	54.8

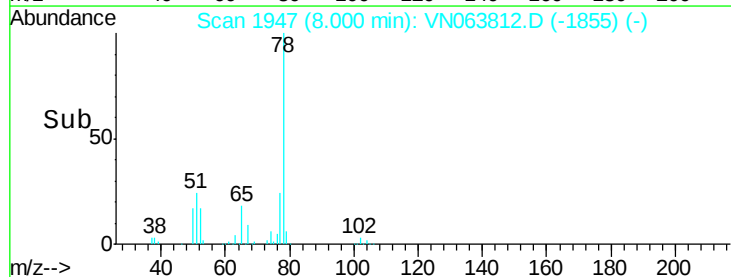
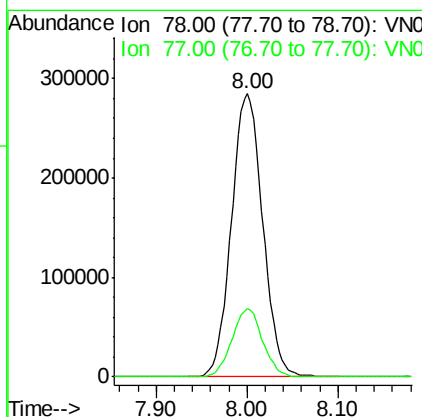
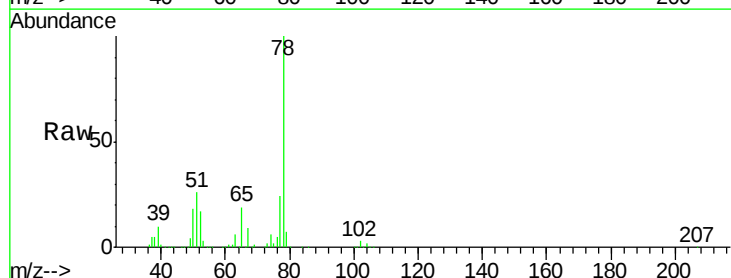
Manual Integrations
APPROVED

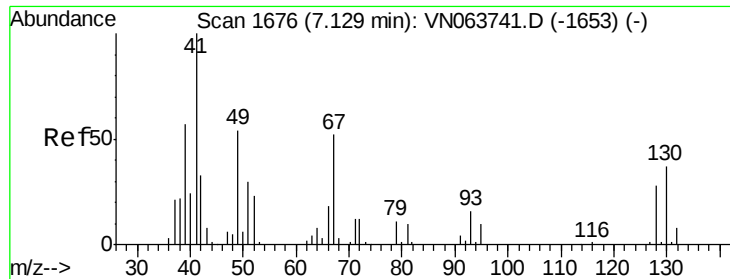
MMDadoda
10/5/2020 5:35:17 PM



#40
Benzene
Concen: 53.320 ug/l
RT: 8.00 min Scan# 1947
Delta R.T. -0.00 min
Lab File: VN063812.D
Acq: 2 Oct 2020 10:55

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	18.7	28.1





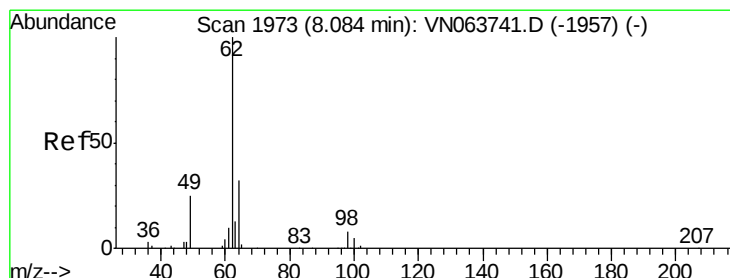
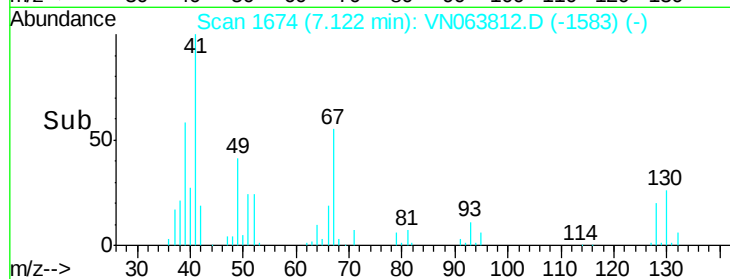
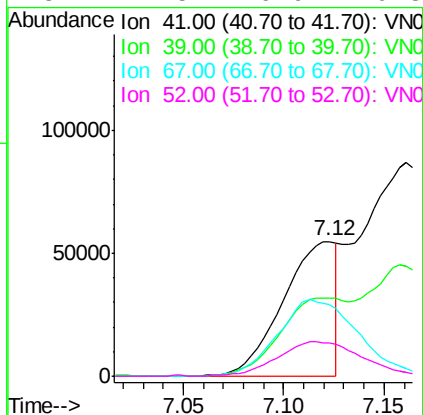
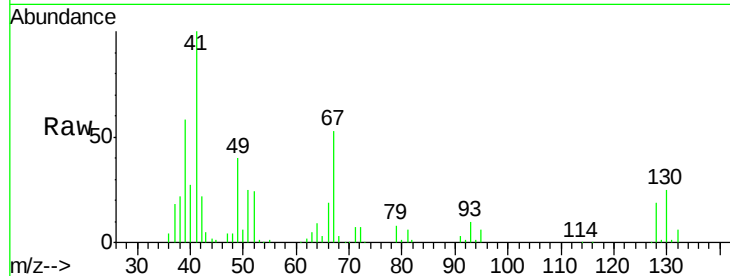
#41
Methacrylonitrile
Concen: 50.726 ug/l m
RT: 7.12 min Scan# 1674
Delta R.T. -0.01 min
Lab File: VN063812.D
Acq: 2 Oct 2020 10:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	72.0	42.5	63.7#
67	87.0	57.4	86.2#
52	41.5	26.9	40.3#

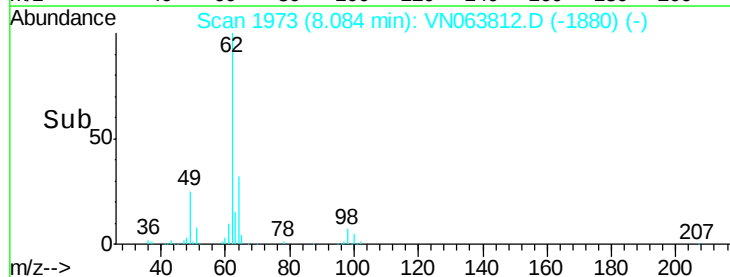
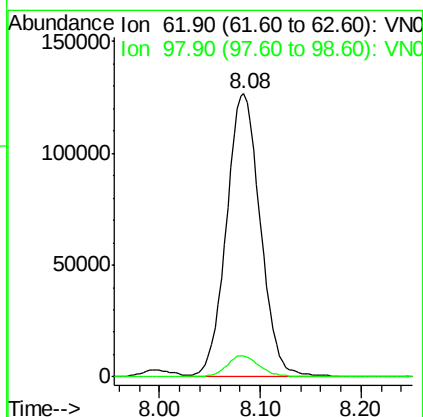
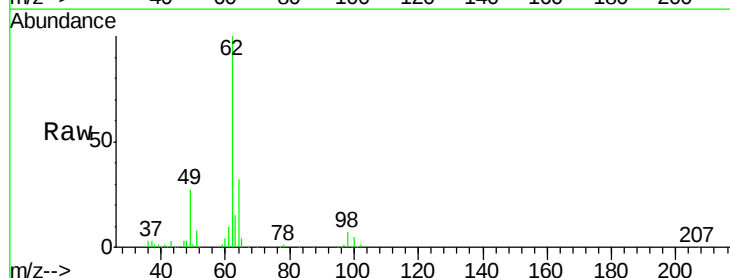
Manual Integrations
APPROVED

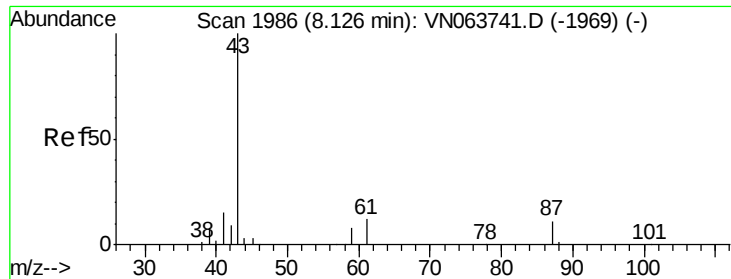
MMDadoda
10/5/2020 5:35:17 PM



#42
1,2-Dichloroethane
Concen: 54.176 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VN063812.D
Acq: 2 Oct 2020 10:55

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.3	0.0	15.0





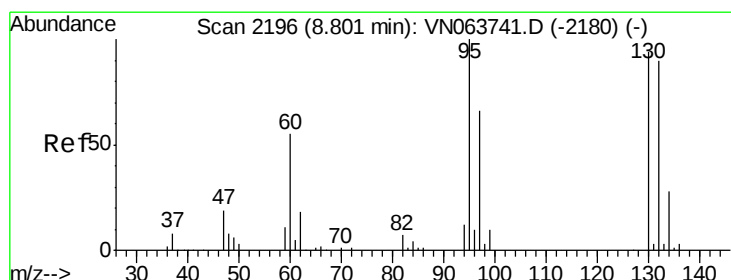
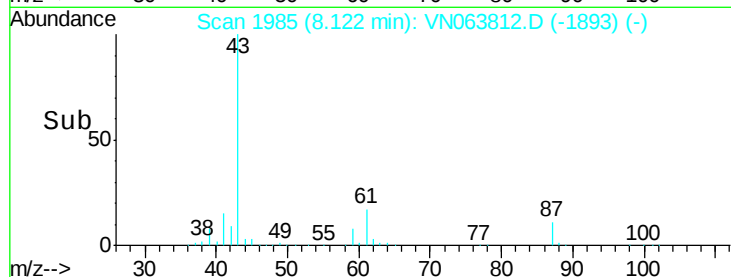
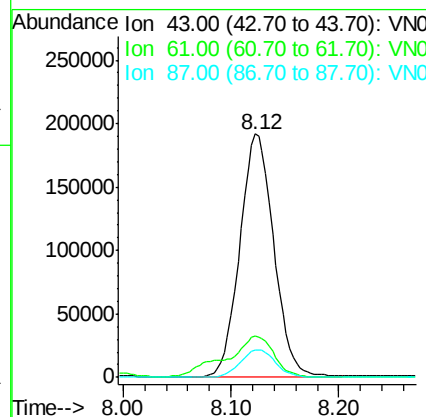
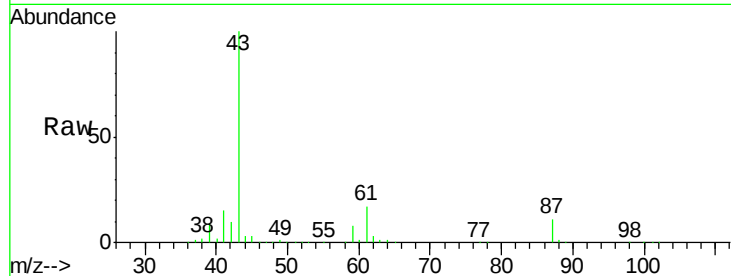
#43
Isopropyl Acetate
Concen: 57.289 ug/l
RT: 8.12 min Scan# 1985
Delta R.T. -0.00 min
Lab File: VN063812.D
Acq: 2 Oct 2020 10:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	23.6	14.2	21.4#
87	11.8	9.0	13.6

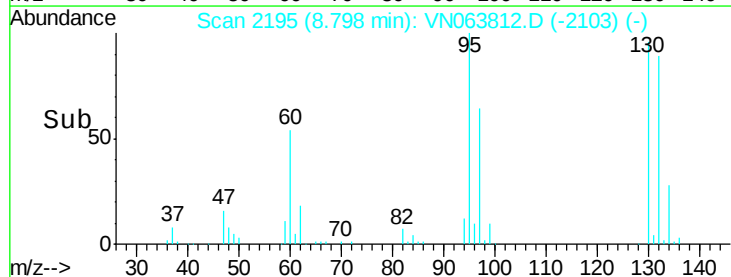
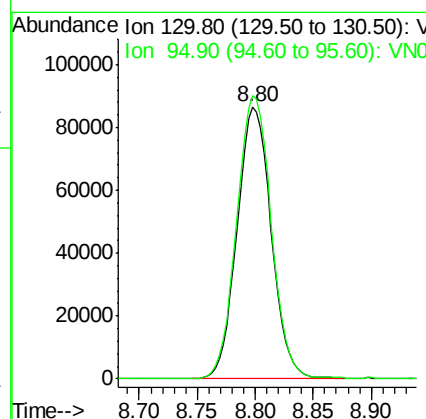
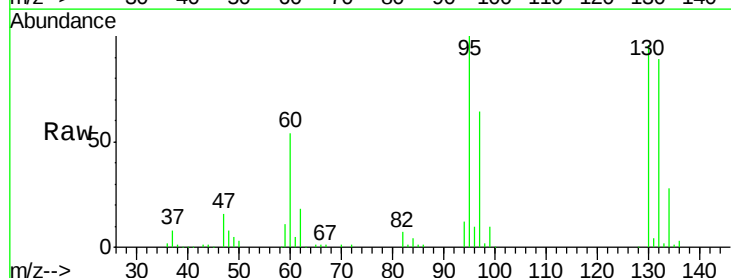
Manual Integrations
APPROVED

MMDadoda
10/5/2020 5:35:17 PM



#44
Trichloroethene
Concen: 53.012 ug/l
RT: 8.80 min Scan# 2195
Delta R.T. -0.00 min
Lab File: VN063812.D
Acq: 2 Oct 2020 10:55

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.1	0.0	213.6





#45

1,2-Dichloropropane

Concen: 53.740 ug/l

RT: 9.08 min Scan# 2284

Delta R.T. 0.00 min

Lab File: VN063812.D

Acq: 2 Oct 2020 10:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 185072

Ion Ratio Lower Upper

63 100

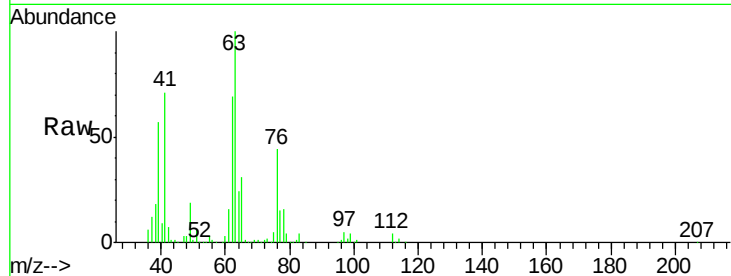
65 30.6 24.7 37.1

Manual Integrations

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10/5/2020 5:35:17 PM



Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO

9.08

100000

80000

60000

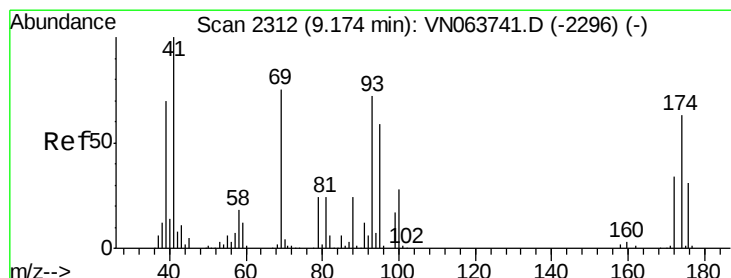
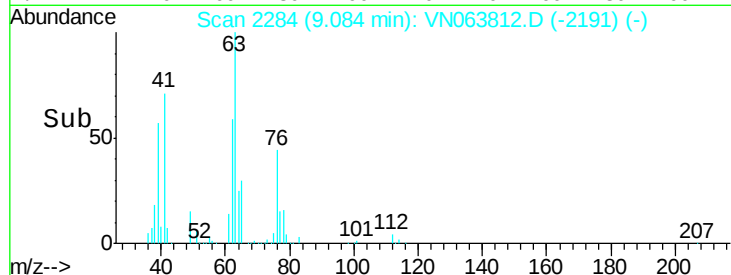
40000

20000

0

Time-->

9.00 9.10 9.20



#46

Dibromomethane

Concen: 53.986 ug/l

RT: 9.17 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN063812.D

Acq: 2 Oct 2020 10:55

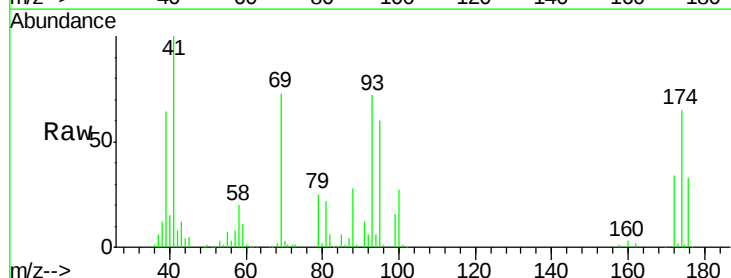
Tgt Ion: 93 Resp: 128256

Ion Ratio Lower Upper

93 100

95 82.3 66.3 99.5

174 89.3 72.7 109.1



Abundance Ion 92.80 (92.50 to 93.50): VNO

Ion 94.80 (94.50 to 95.50): VNO

Ion 173.70 (173.40 to 174.40): VNO

9.17

80000

60000

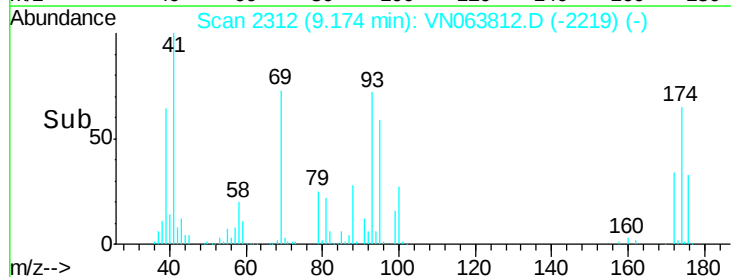
40000

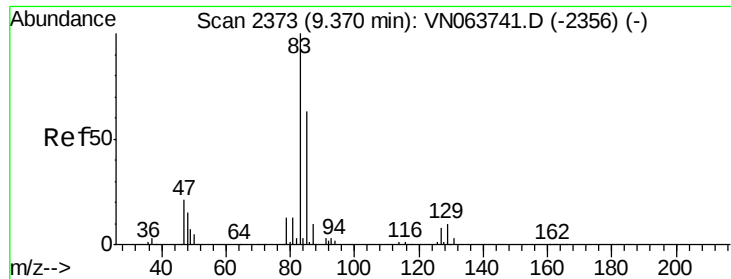
20000

0

Time-->

9.10 9.15 9.20 9.25





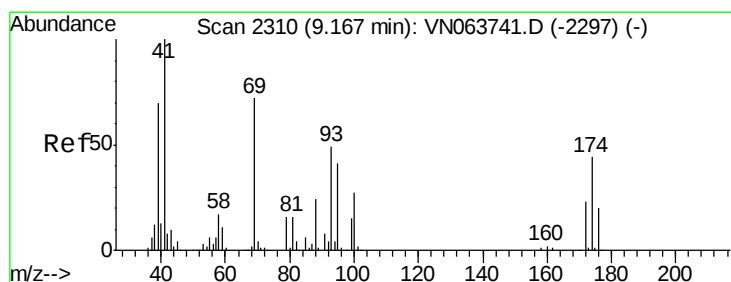
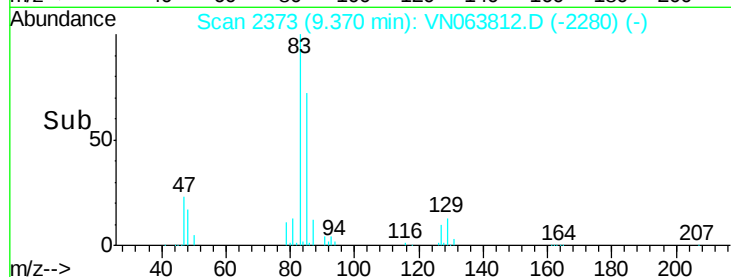
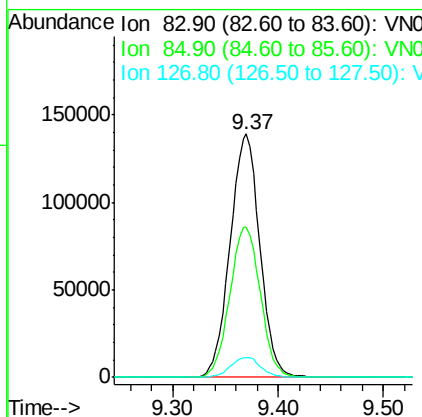
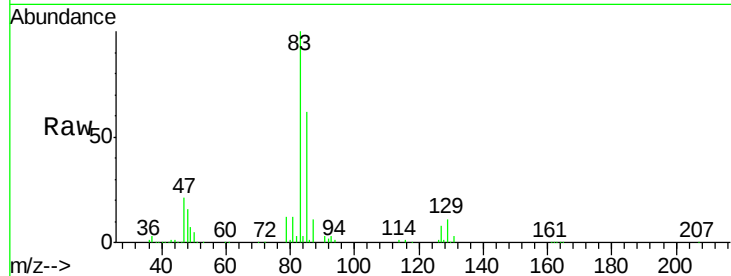
#47
Bromodichloromethane
Concen: 55.392 ug/l
RT: 9.37 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN063812.D
Acq: 2 Oct 2020 10:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	271213
Ion Ratio	100	Lower	Upper
83	100		
85	61.9	50.6	75.8
127	8.2	6.6	9.8

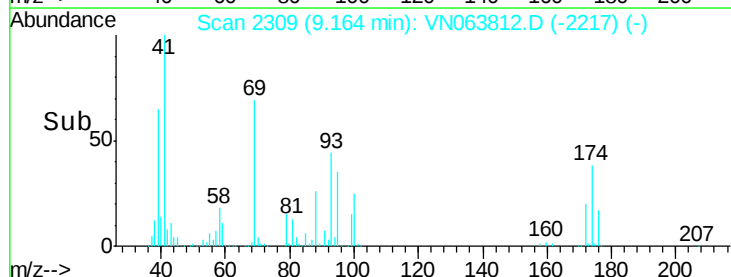
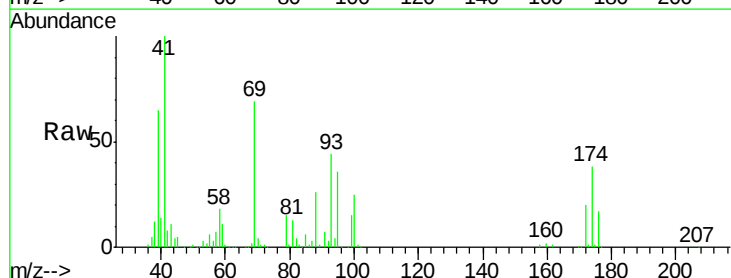
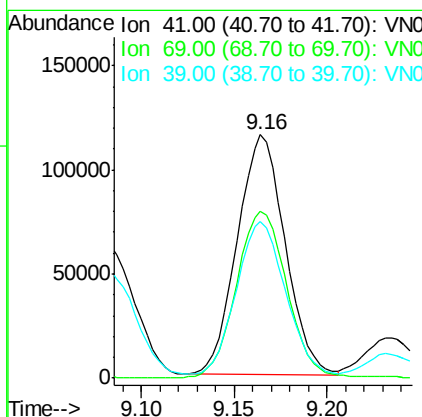
Manual Integrations
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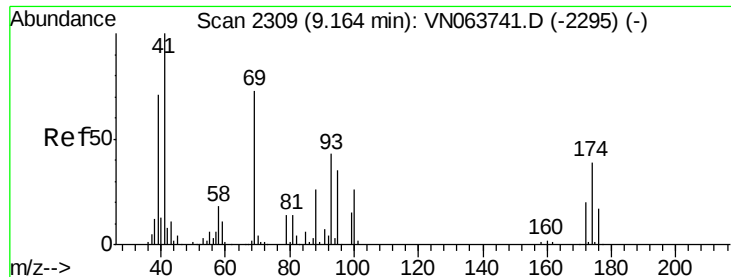
MMDadoda
10/5/2020 5:35:17 PM



#48
Methyl methacrylate
Concen: 57.669 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN063812.D
Acq: 2 Oct 2020 10:55

Tgt Ion	41	Resp	208456
Ion Ratio	100	Lower	Upper
41	100		
69	73.4	60.9	91.3
39	68.0	57.5	86.3





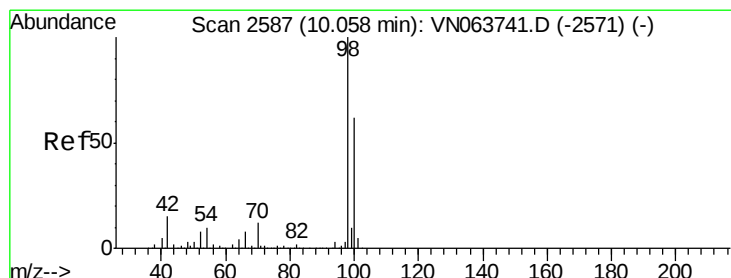
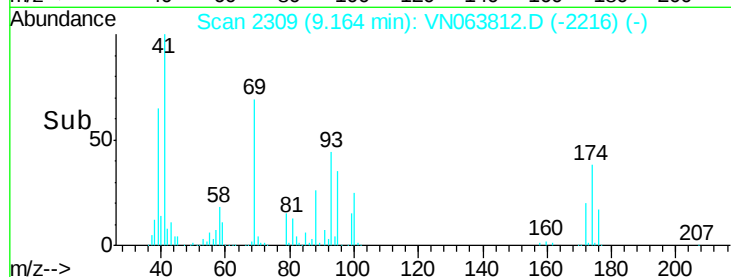
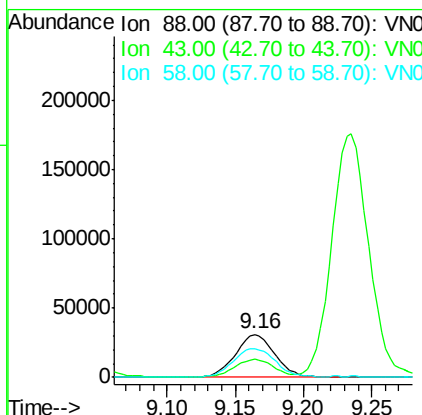
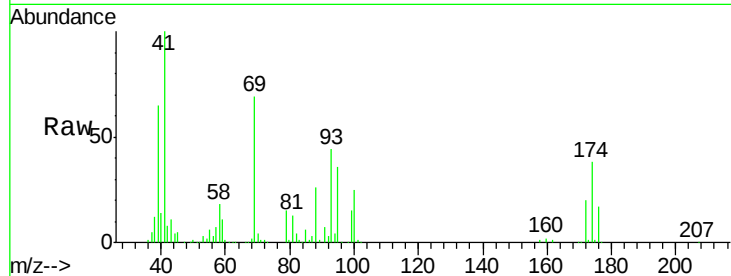
#49
1,4-Dioxane
Concen: 1215.513 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN063812.D
Acq: 2 Oct 2020 10:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	40.9	33.1	49.7
58	72.0	58.9	88.3

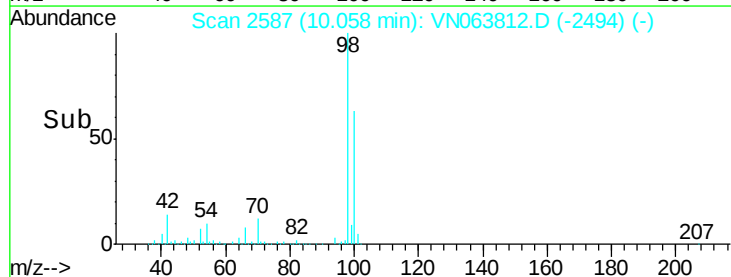
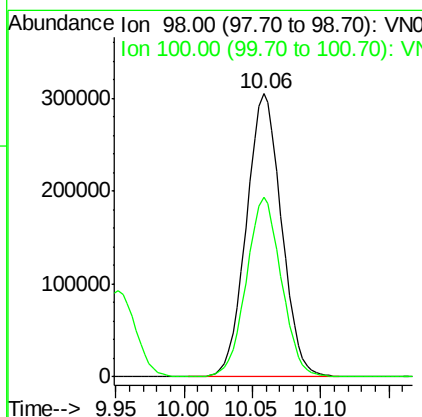
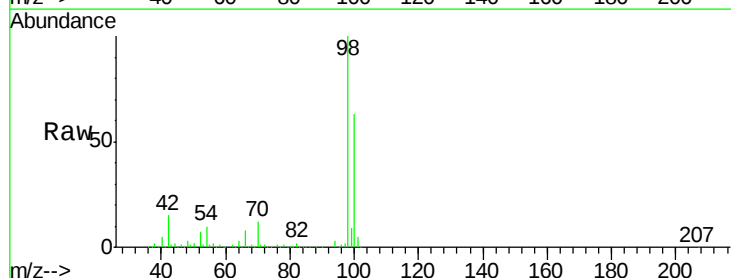
Manual Integrations
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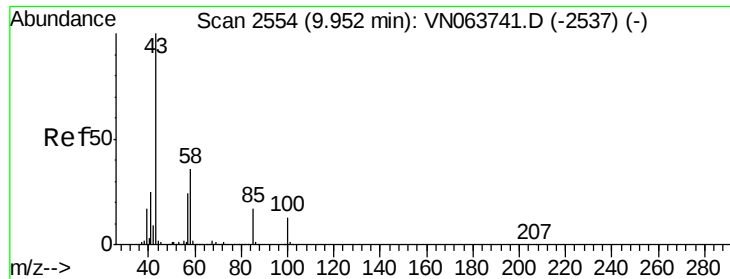
MMDadoda
10/5/2020 5:35:17 PM



#50
Toluene-d8
Concen: 46.969 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN063812.D
Acq: 2 Oct 2020 10:55

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.2	49.8	74.6





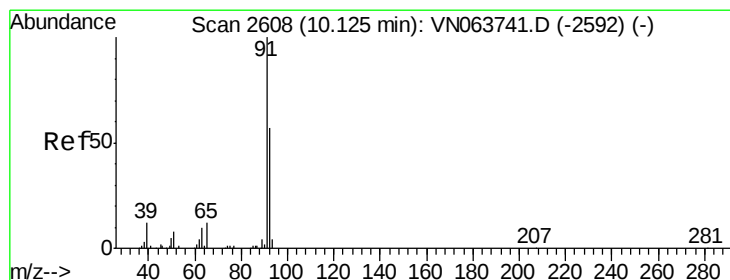
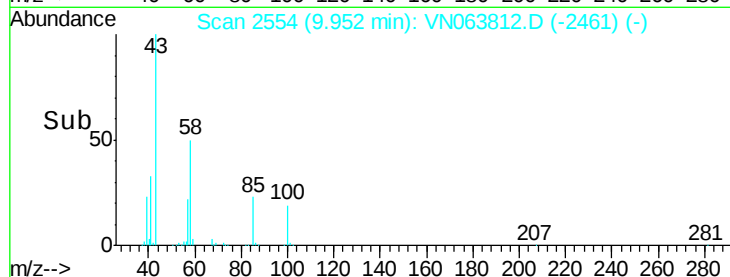
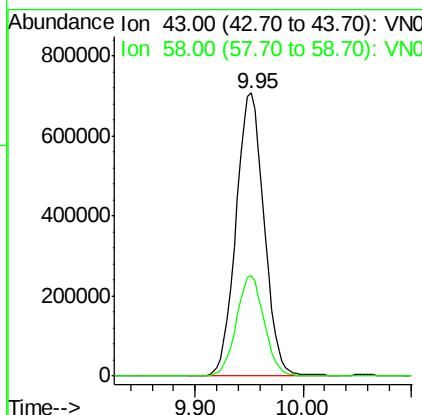
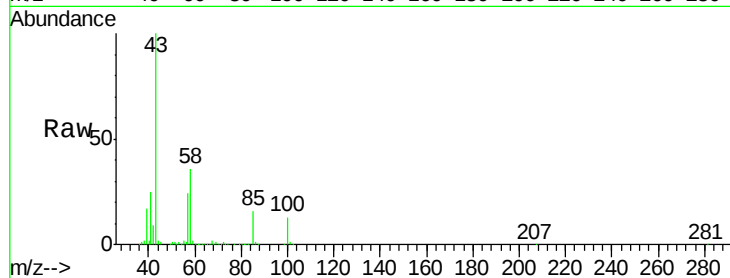
#51
4-Methyl-2-Pentanone
Concen: 299.052 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN063812.D
Acq: 2 Oct 2020 10:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1283978
Ion Ratio Lower Upper
43 100
58 35.2 28.4 42.6

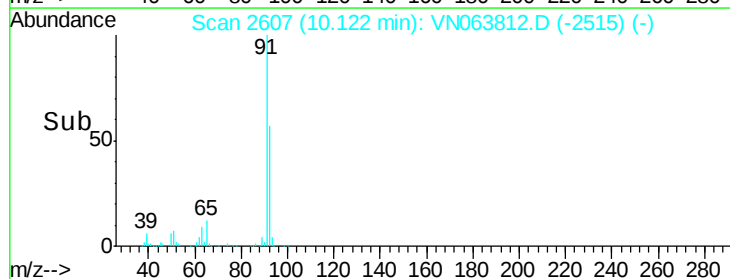
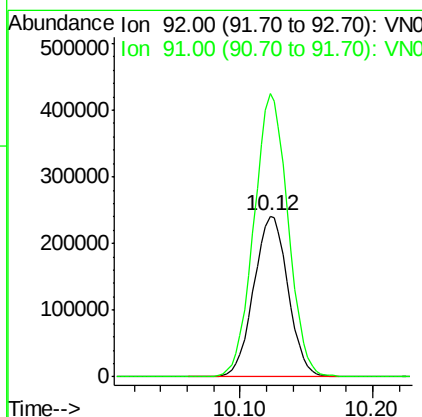
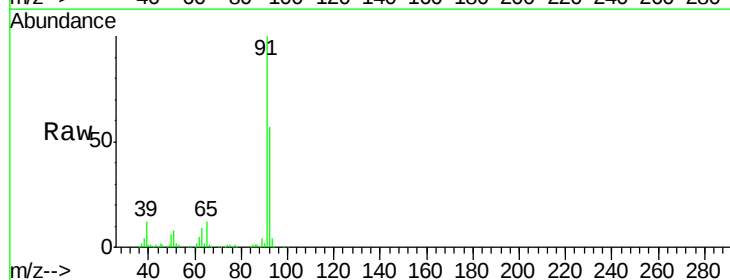
Manual Integrations
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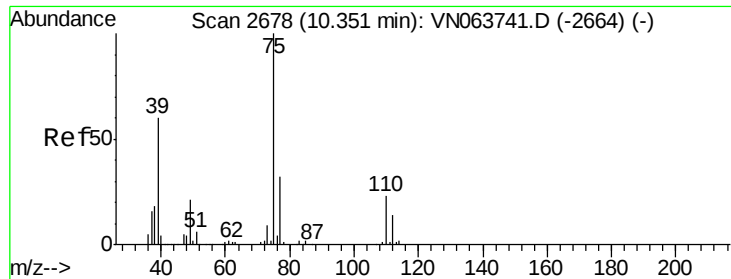
MMDadoda
10/5/2020 5:35:17 PM



#52
Toluene
Concen: 55.072 ug/l
RT: 10.12 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN063812.D
Acq: 2 Oct 2020 10:55

Tgt Ion: 92 Resp: 434373
Ion Ratio Lower Upper
92 100
91 175.8 140.6 210.8





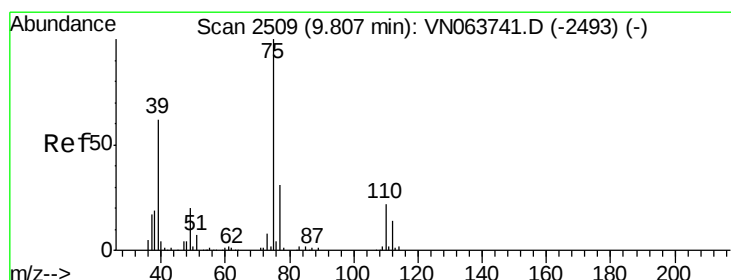
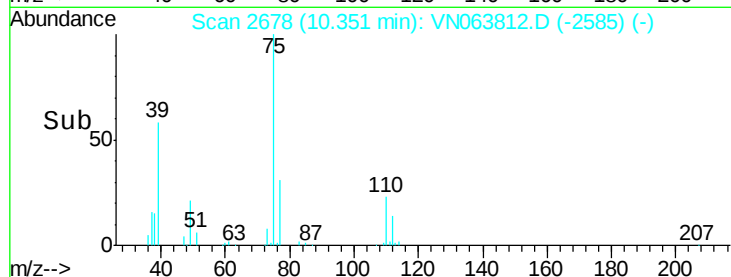
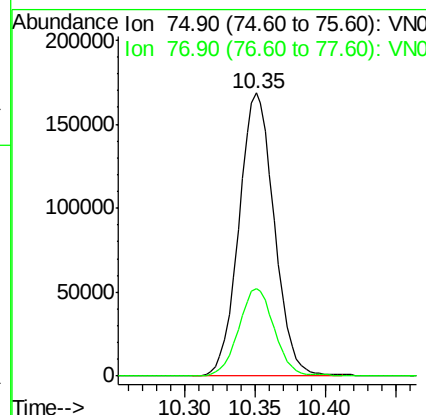
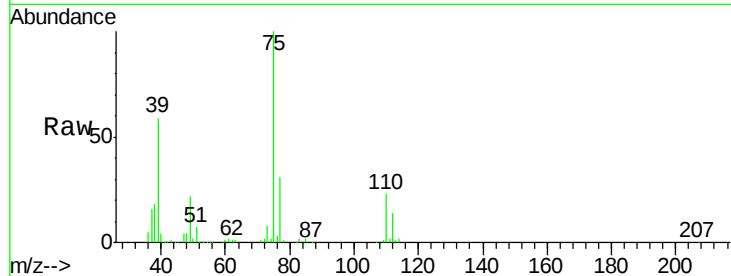
#53
t-1,3-Dichloropropene
Concen: 56.303 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN063812.D
Acq: 2 Oct 2020 10:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 295503
Ion Ratio Lower Upper
75 100
77 31.1 25.3 37.9

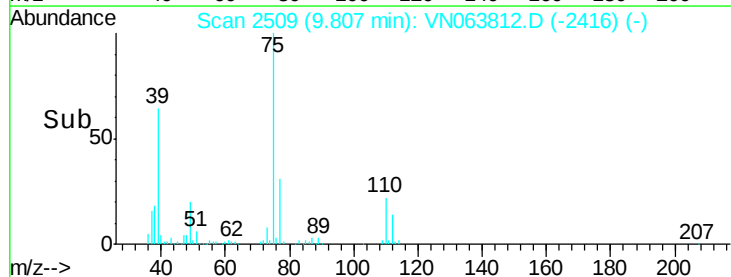
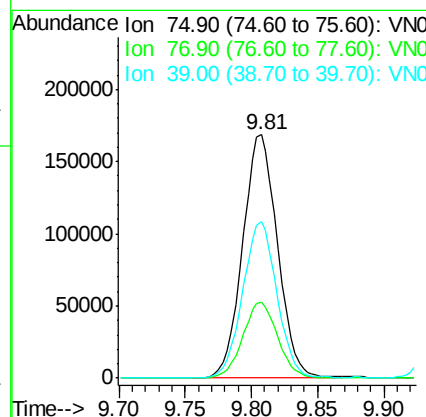
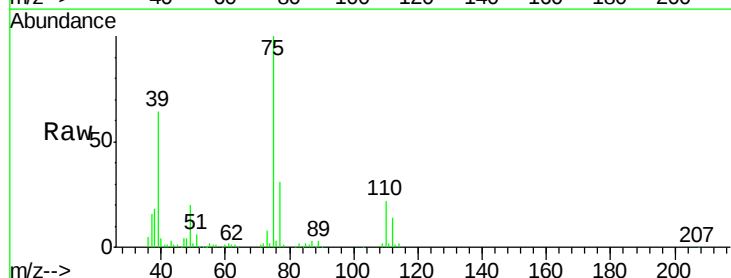
Manual Integrations
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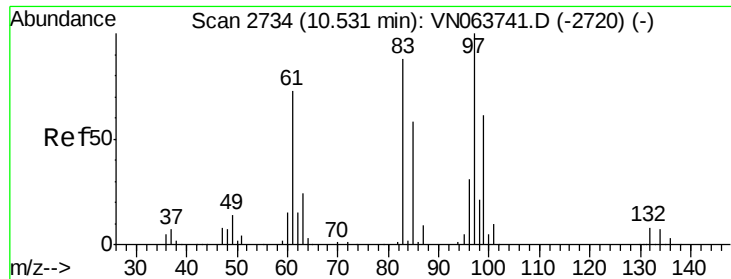
MMDadoda
10/5/2020 5:35:17 PM



#54
cis-1,3-Dichloropropene
Concen: 56.050 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN063812.D
Acq: 2 Oct 2020 10:55

Tgt Ion: 75 Resp: 307659
Ion Ratio Lower Upper
75 100
77 31.2 24.6 36.8
39 64.1 49.7 74.5





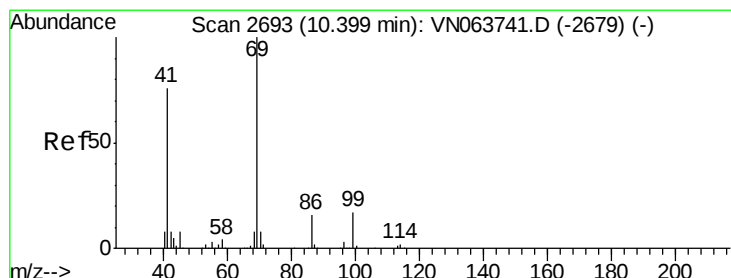
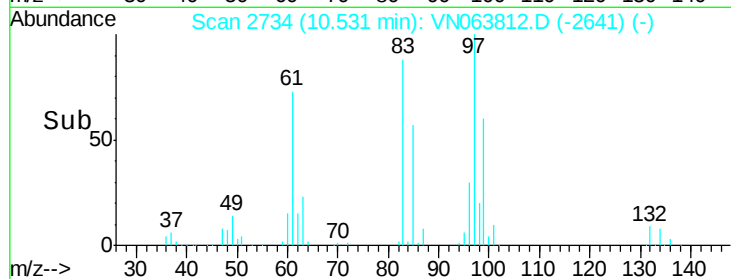
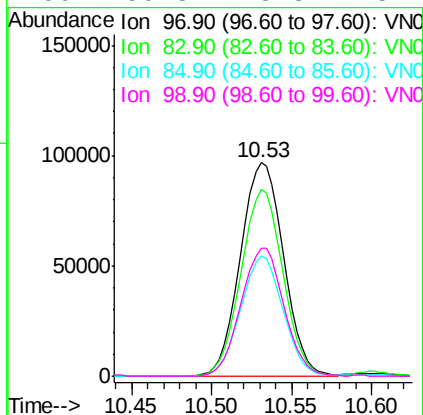
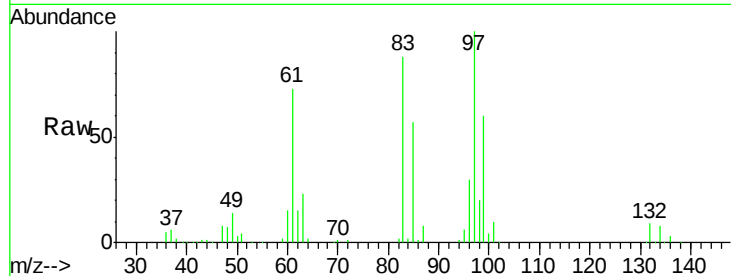
#55
 1,1,2-Trichloroethane
 Concen: 56.471 ug/l
 RT: 10.53 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN063812.D
 Acq: 2 Oct 2020 10:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	178623
Ion	Ratio	Lower	Upper
97	100		
83	87.7	70.7	106.1
85	56.5	46.1	69.1
99	59.8	48.8	73.2

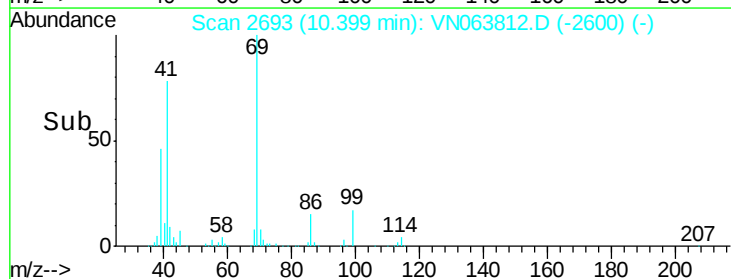
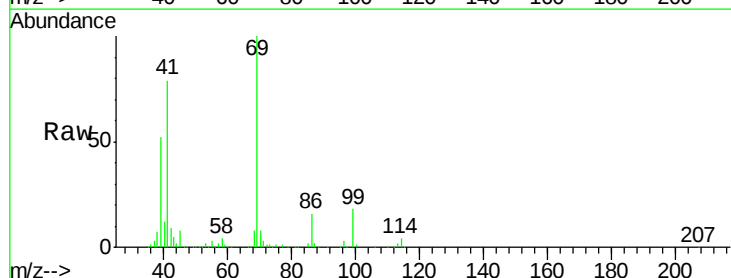
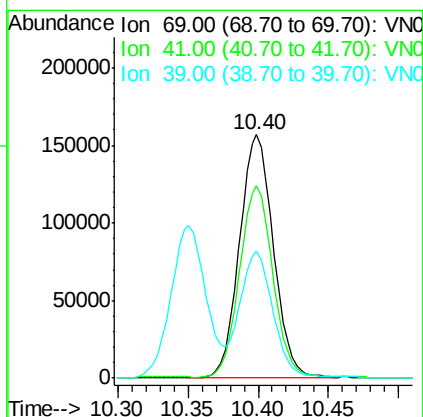
Manual Integrations
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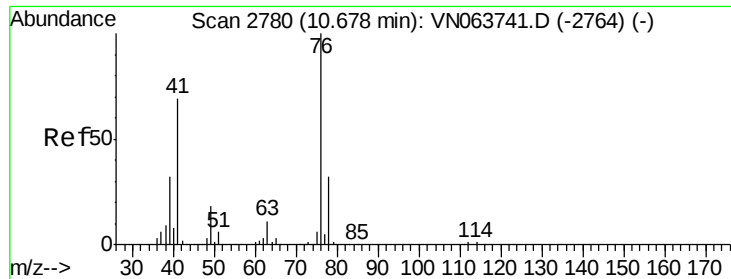
MMDadoda
 10/5/2020 5:35:17 PM



#56
 Ethyl methacrylate
 Concen: 59.124 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN063812.D
 Acq: 2 Oct 2020 10:55

Tgt Ion:	69	Resp:	265087
Ion	Ratio	Lower	Upper
69	100		
41	77.8	61.1	91.7
39	50.5	42.2	63.4





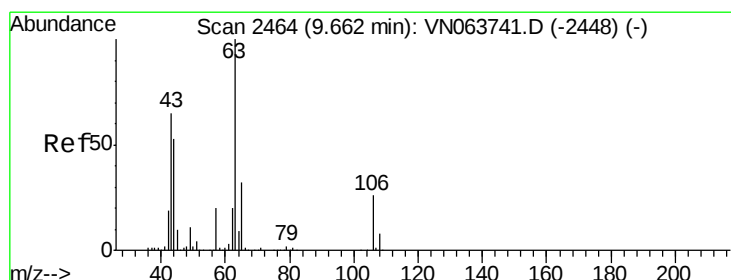
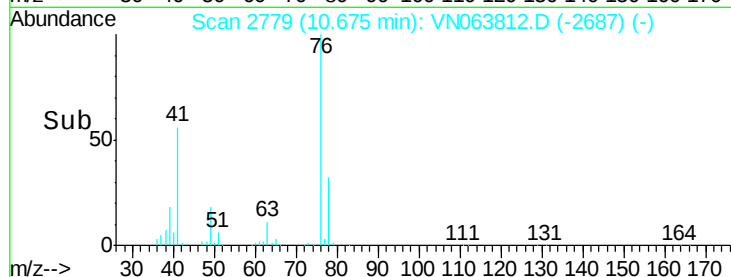
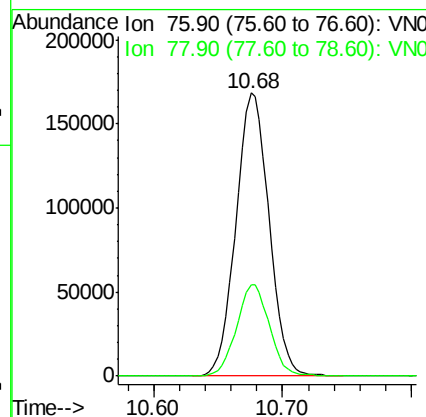
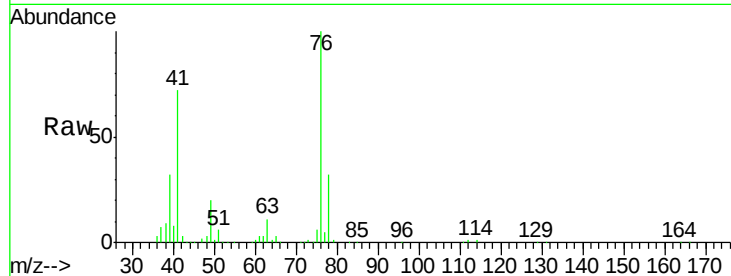
#57
 1,3-Dichloropropane
 Concen: 56.154 ug/l
 RT: 10.68 min Scan# 2779
 Delta R.T. -0.00 min
 Lab File: VN063812.D
 Acq: 2 Oct 2020 10:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 300502
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.2 37.8

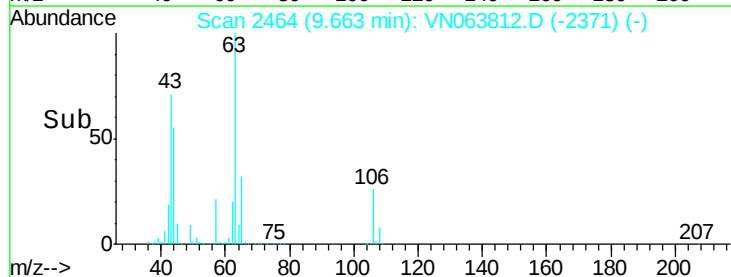
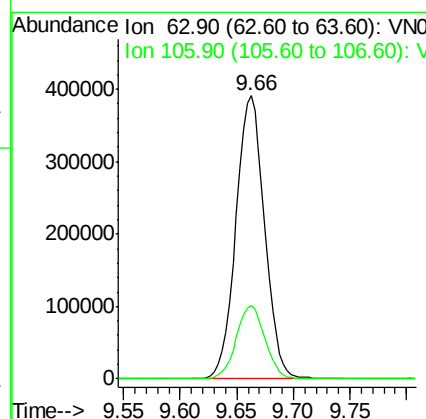
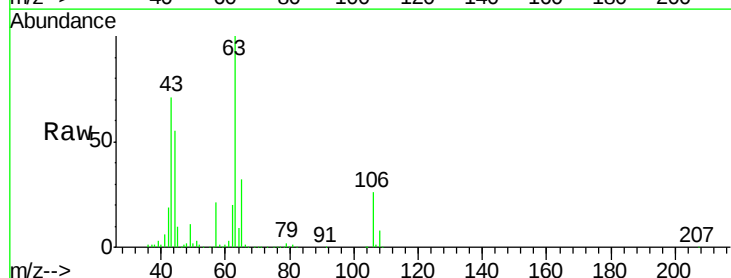
Manual Integrations
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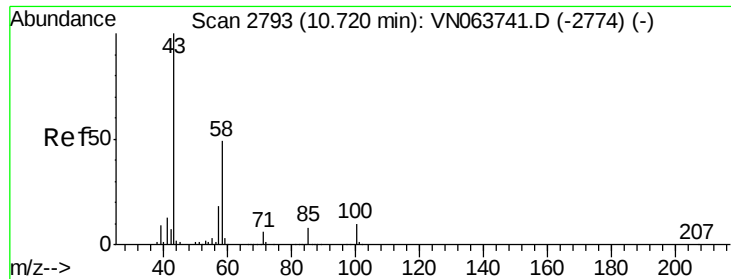
MMDadoda
 10/5/2020 5:35:17 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 287.919 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN063812.D
 Acq: 2 Oct 2020 10:55

Tgt Ion: 63 Resp: 690521
 Ion Ratio Lower Upper
 63 100
 106 25.9 20.7 31.1





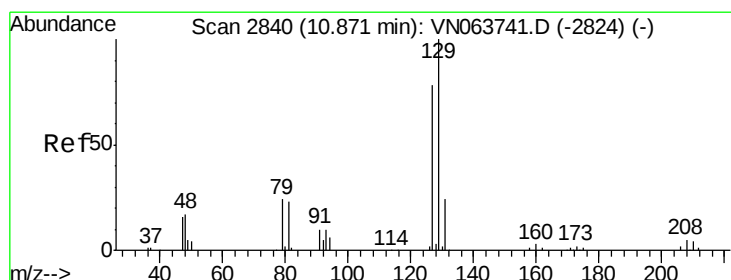
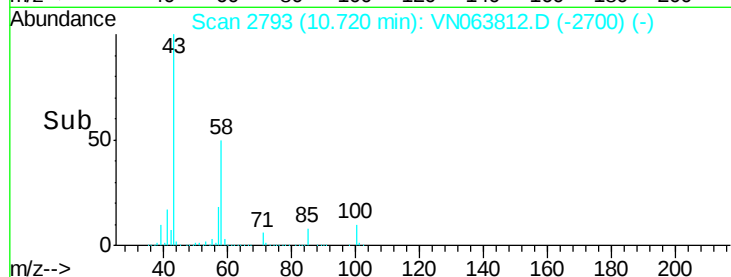
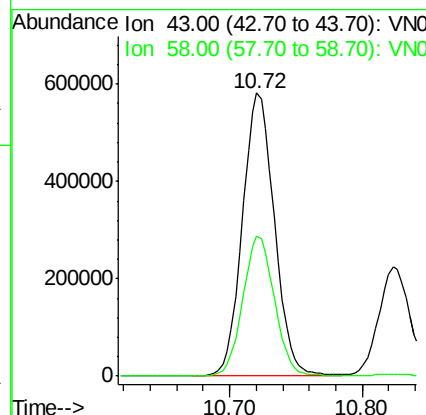
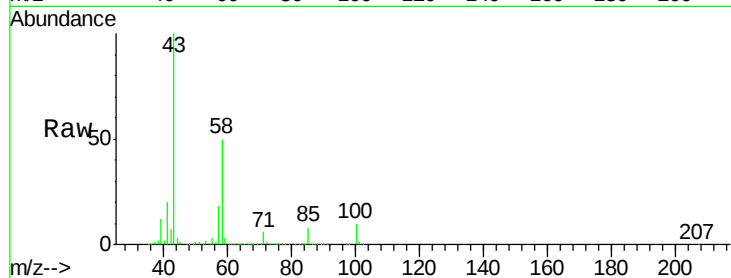
#59
2-Hexanone
Concen: 305.445 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN063812.D
Acq: 2 Oct 2020 10:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 974211
Ion Ratio Lower Upper
43 100
58 49.1 24.6 73.8

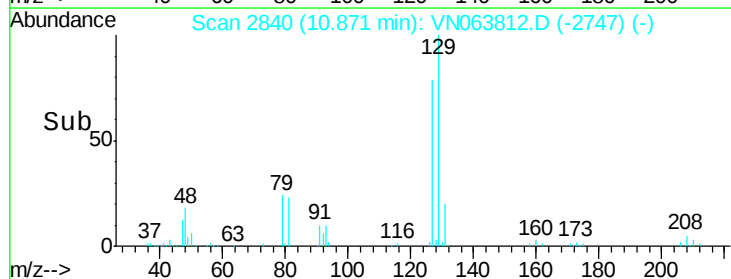
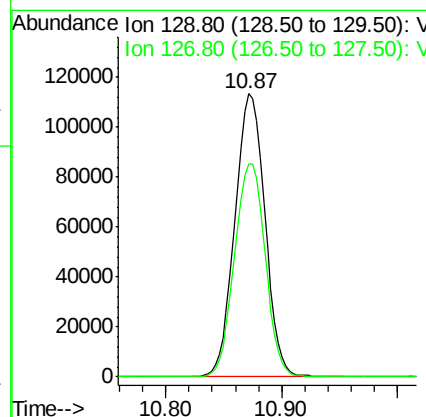
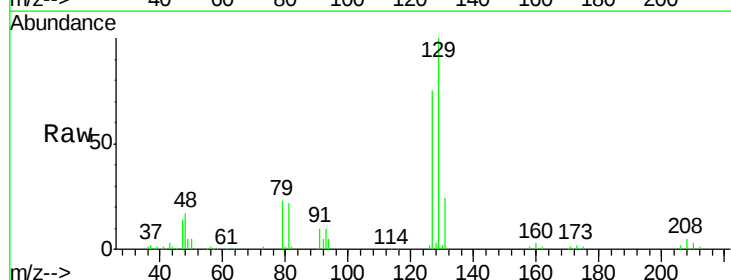
Manual Integrations
APPROVED

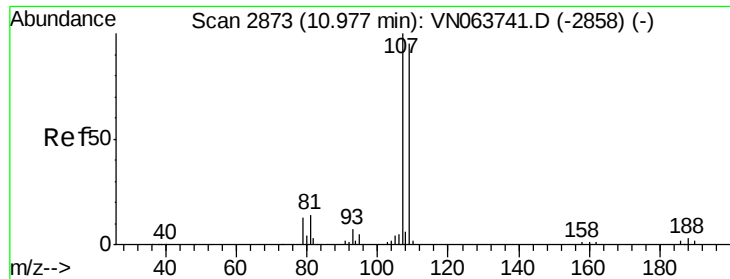
MMDadoda
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#60
Dibromochloromethane
Concen: 55.296 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN063812.D
Acq: 2 Oct 2020 10:55

Tgt Ion: 129 Resp: 203694
Ion Ratio Lower Upper
129 100
127 76.9 38.9 116.7





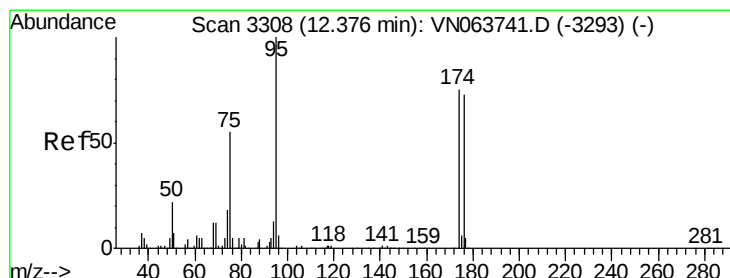
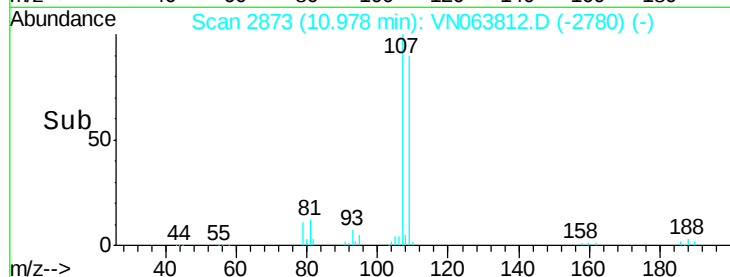
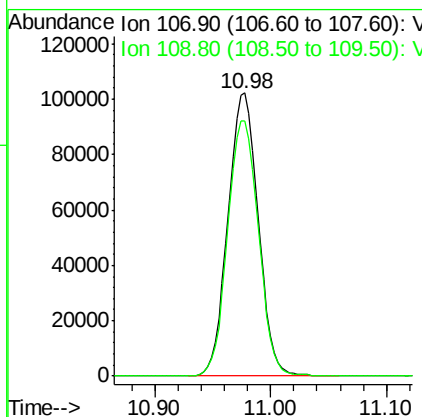
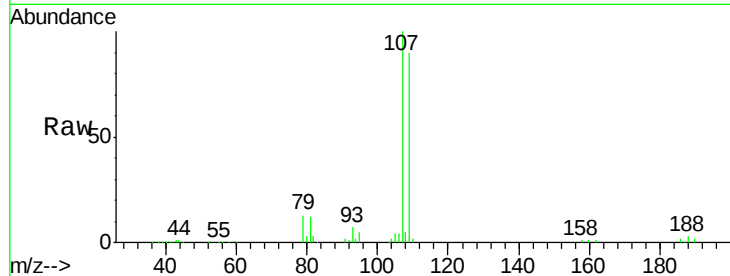
#61
 1,2-Dibromoethane
 Concen: 56.966 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN063812.D
 Acq: 2 Oct 2020 10:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.2	74.8	112.2

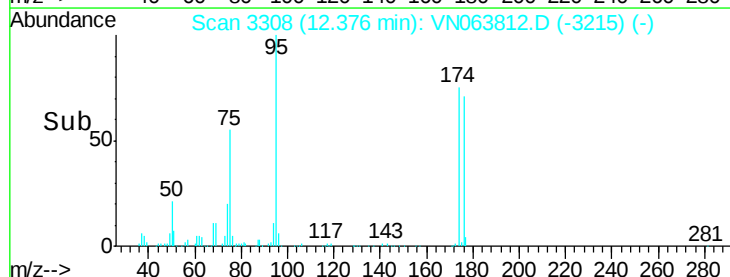
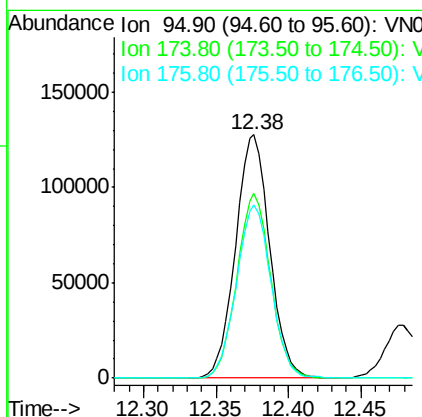
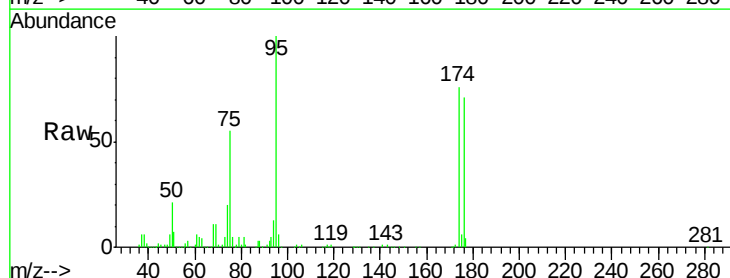
Manual Integrations
 APPROVED

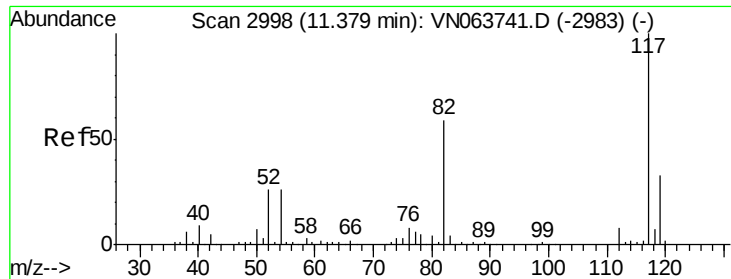
MMDadoda
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#62
 4-Bromofluorobenzene
 Concen: 48.010 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.00 min
 Lab File: VN063812.D
 Acq: 2 Oct 2020 10:55

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.1	0.0	150.6
176	72.2	0.0	145.4





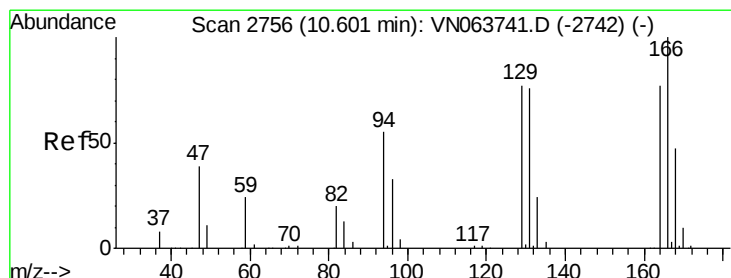
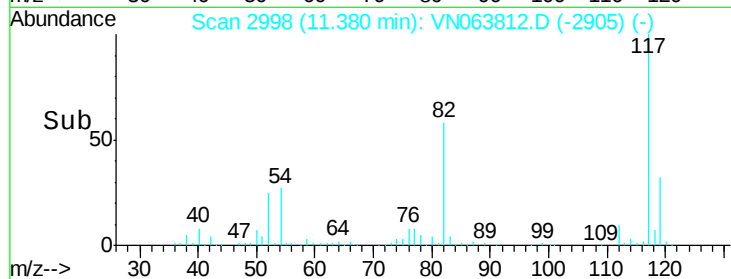
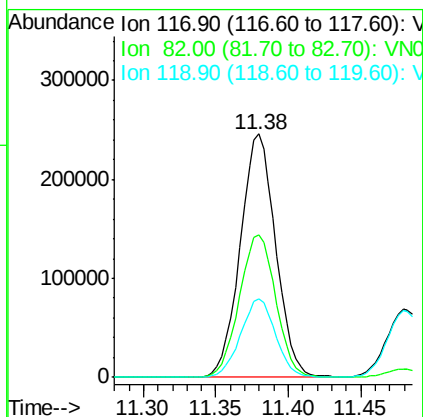
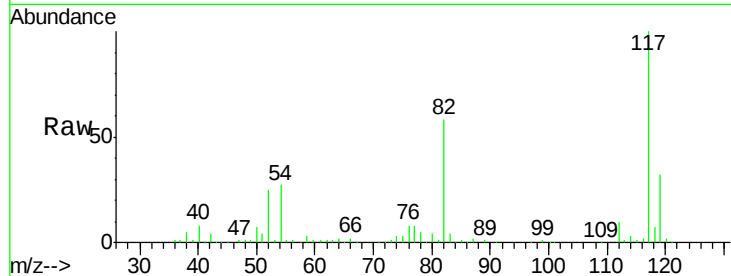
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063812.D
Acq: 2 Oct 2020 10:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.4	47.4	71.2
119	32.5	26.4	39.6

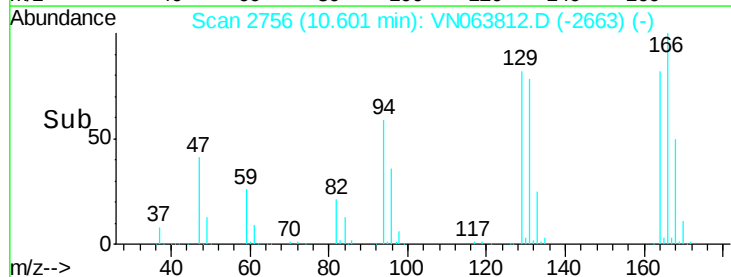
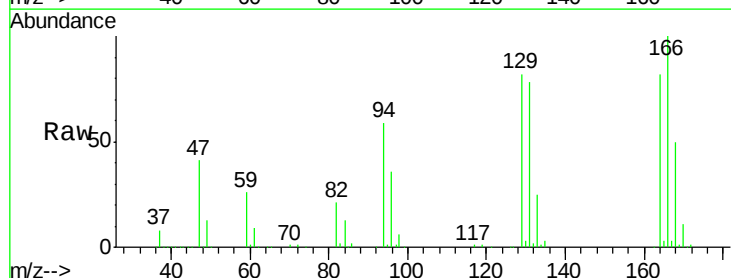
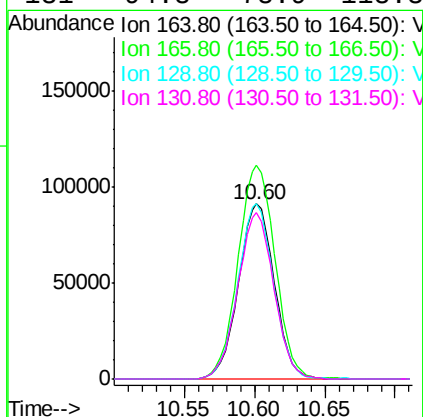
Manual Integrations
APPROVED

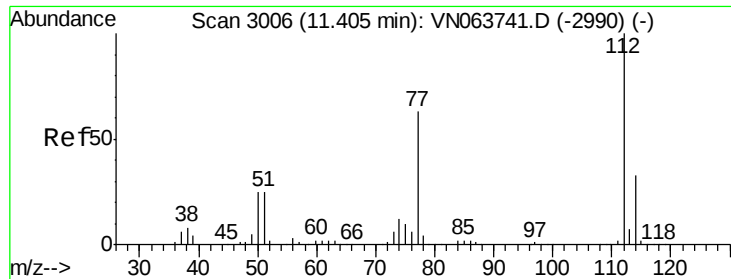
MMDadoda
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#64
Tetrachloroethene
Concen: 50.278 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN063812.D
Acq: 2 Oct 2020 10:55

Tgt Ion	Ratio	Lower	Upper
164	100		
166	121.8	103.9	155.9
129	100.3	80.3	120.5
131	94.8	78.9	118.3





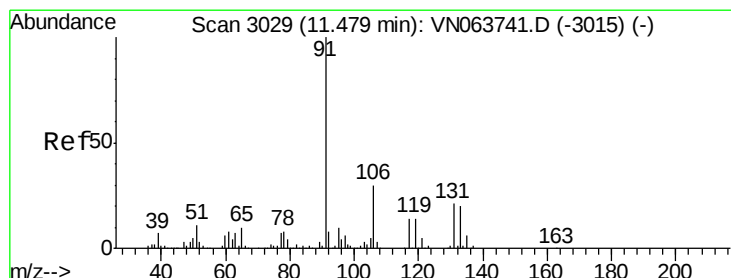
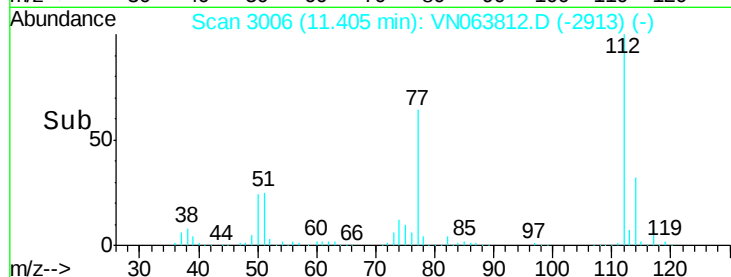
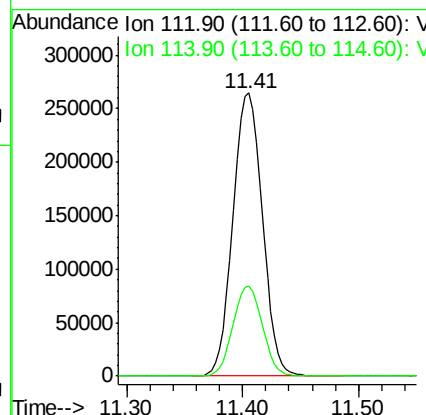
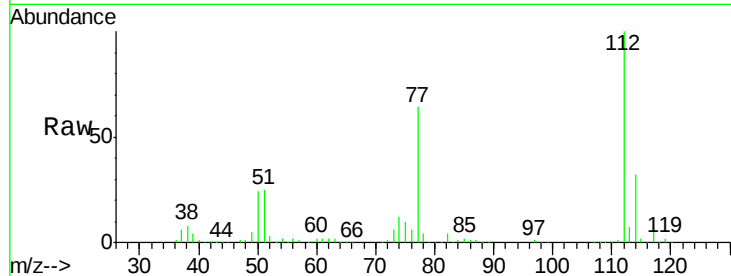
#65
Chlorobenzene
Concen: 54.394 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN063812.D
Acq: 2 Oct 2020 10:55

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion:112 Resp: 465515
Ion Ratio Lower Upper
112 100
114 31.8 26.1 39.1

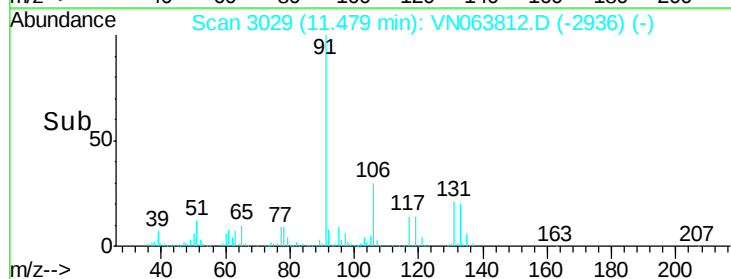
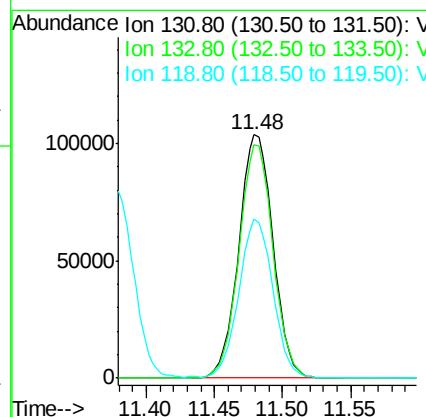
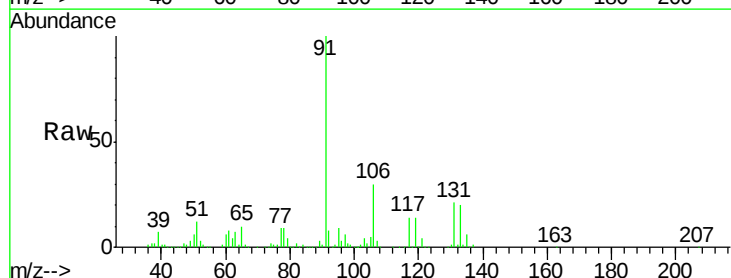
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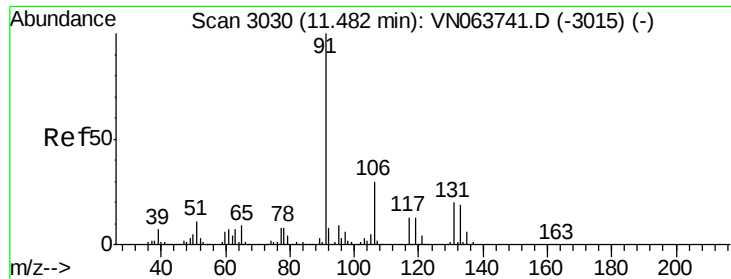
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#66
1,1,1,2-Tetrachloroethane
Concen: 55.081 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN063812.D
Acq: 2 Oct 2020 10:55

Tgt Ion:131 Resp: 180722
Ion Ratio Lower Upper
131 100
133 95.1 47.3 141.8
119 65.0 32.6 97.7





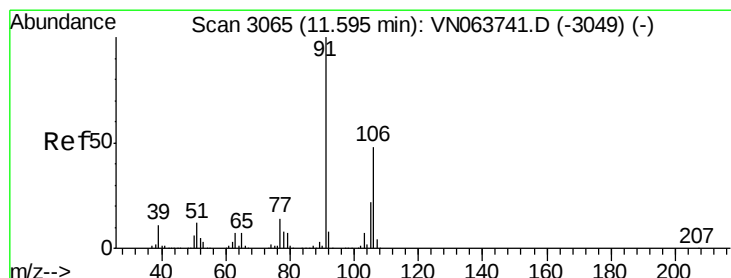
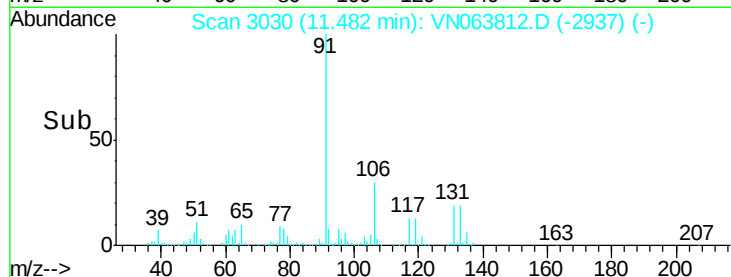
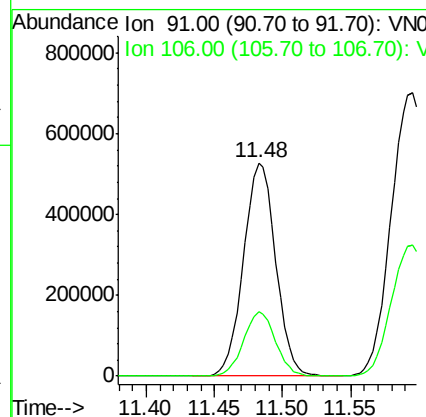
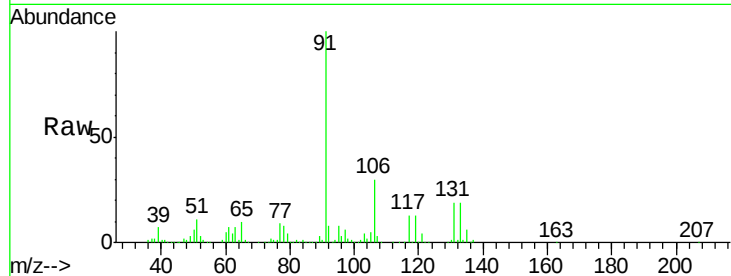
#67
Ethyl Benzene
Concen: 55.575 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN063812.D
Acq: 2 Oct 2020 10:55

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 865467
Ion Ratio Lower Upper
91 100
106 30.0 24.2 36.2

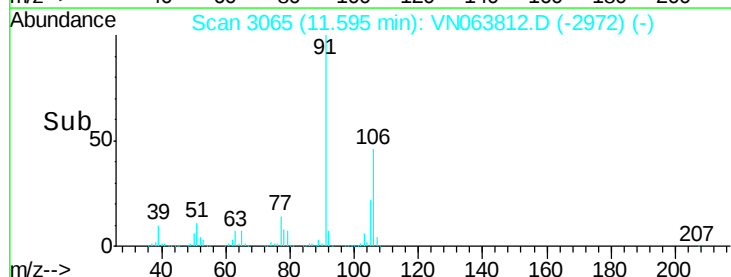
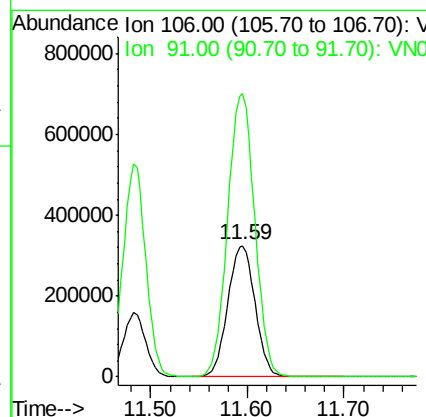
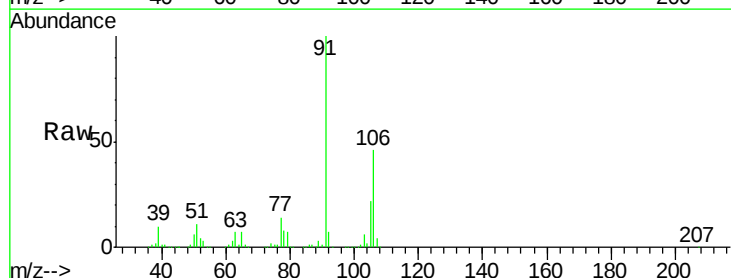
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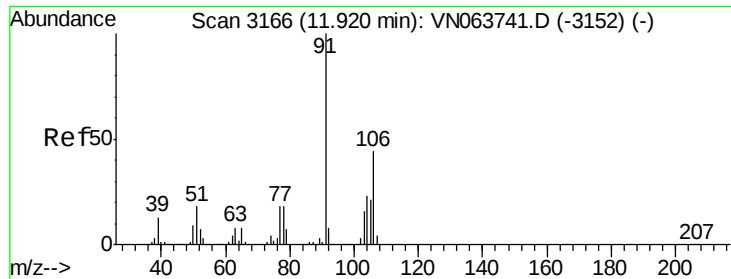
MMDadoda
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#68
m/p-Xylenes
Concen: 109.552 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN063812.D
Acq: 2 Oct 2020 10:55

Tgt Ion: 106 Resp: 635843
Ion Ratio Lower Upper
106 100
91 214.6 168.0 252.0





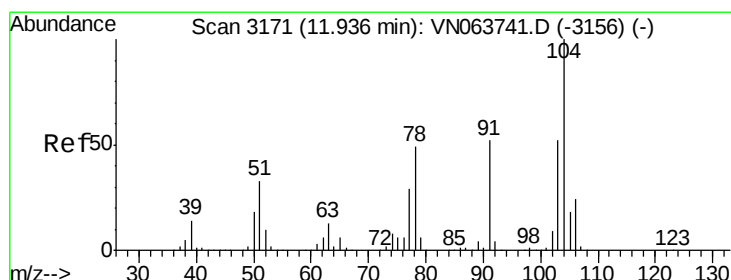
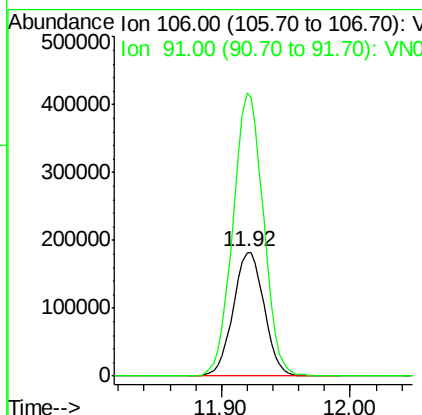
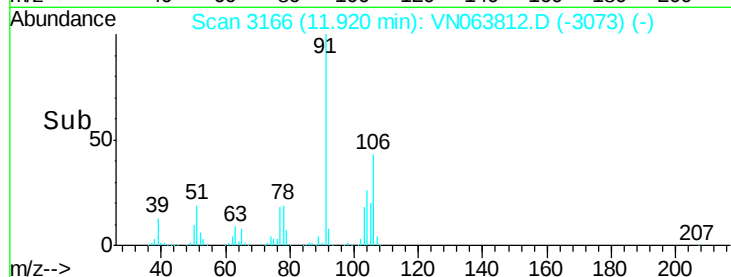
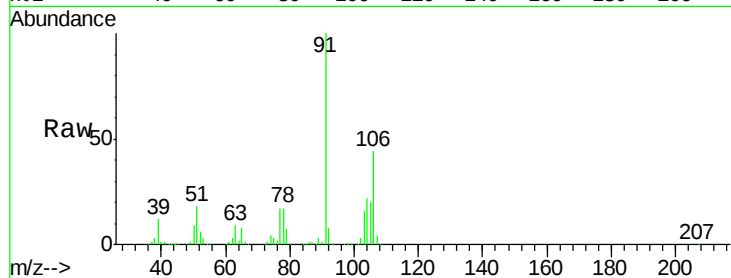
#69
o-Xylene
Concen: 56.161 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN063812.D
Acq: 2 Oct 2020 10:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	225.4	112.7	304662		338.0

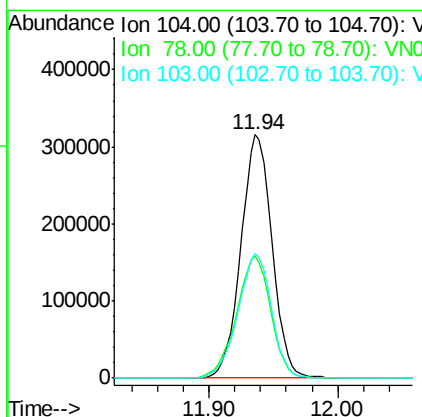
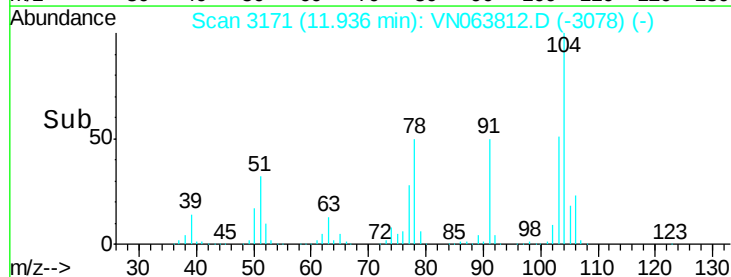
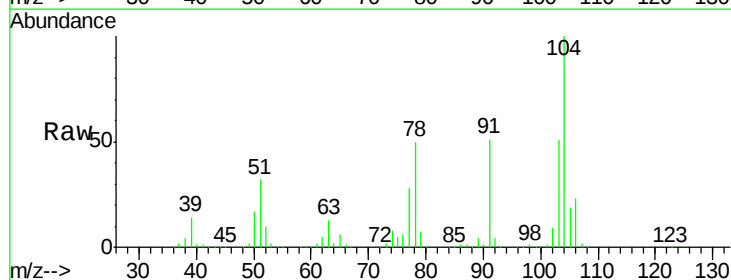
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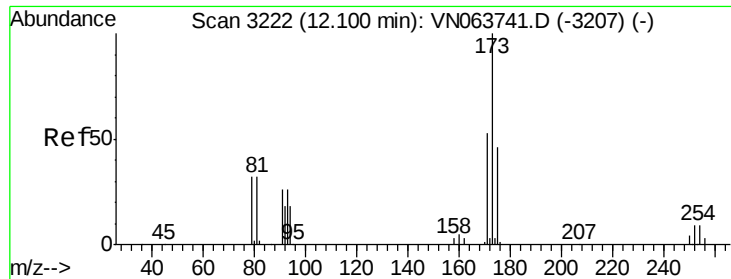
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#70
Styrene
Concen: 57.776 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. 0.00 min
Lab File: VN063812.D
Acq: 2 Oct 2020 10:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	54.9	44.1	532026		66.1
103	55.0	44.3			66.5





#71

Bromoform

Concen: 55.365 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN063812.D

Acq: 2 Oct 2020 10:55

Instrument :

MSVOA_N

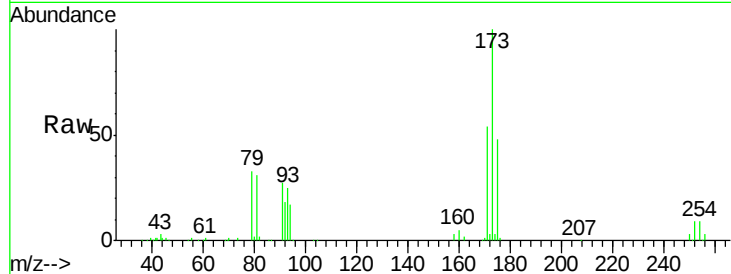
ClientSampleId :

VSTDCCC050

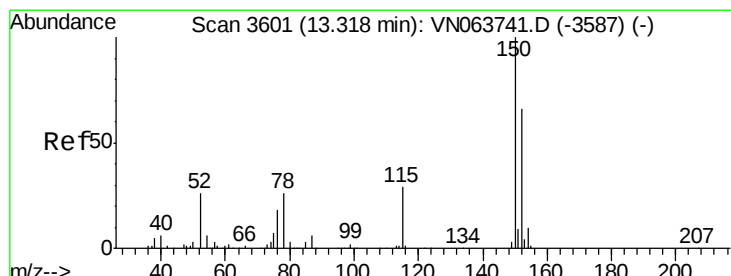
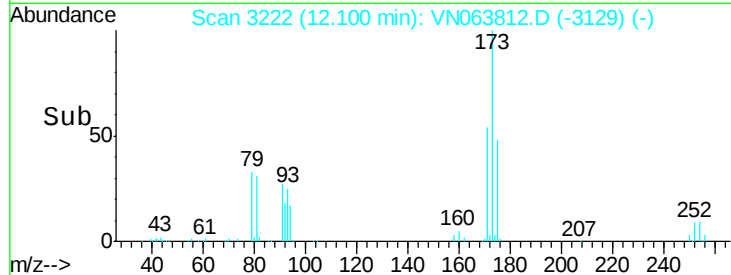
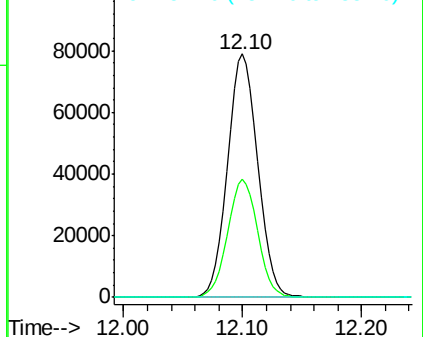
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.1	23.5	70.5
254	0.1	0.0	0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

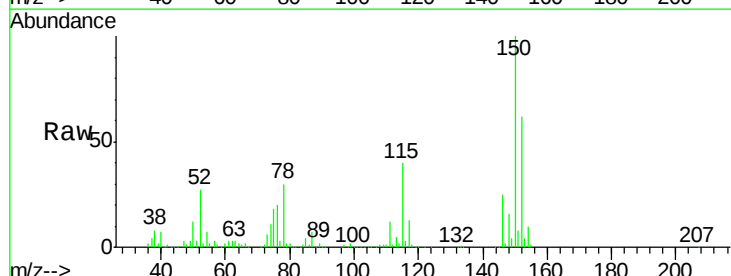
RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

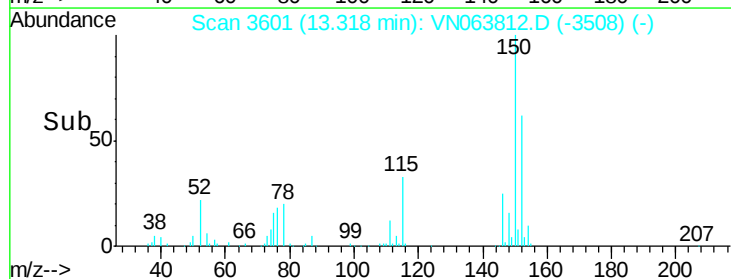
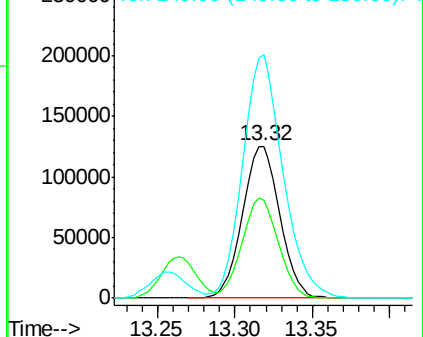
Lab File: VN063812.D

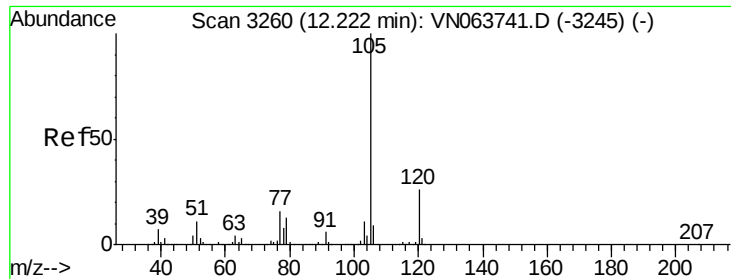
Acq: 2 Oct 2020 10:55

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.5	31.3	93.8
150	173.2	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





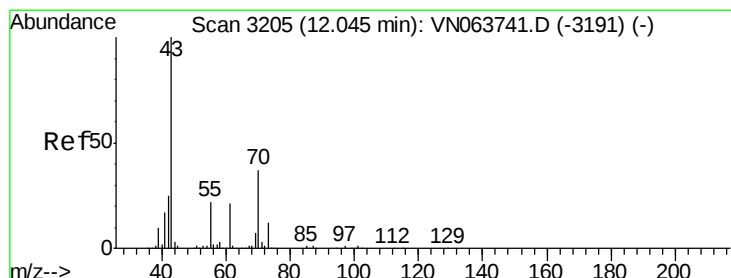
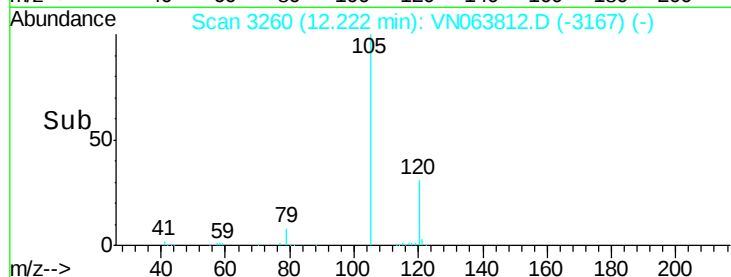
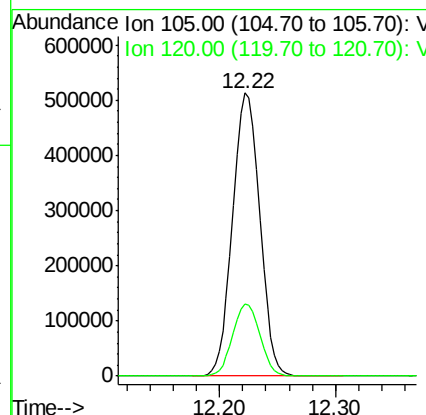
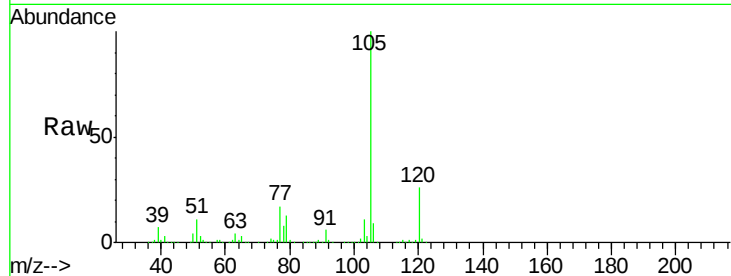
#73
Isopropylbenzene
Concen: 54.221 ug/l
RT: 12.22 min Scan# 3260
Delta R.T. 0.00 min
Lab File: VN063812.D
Acq: 2 Oct 2020 10:55

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.5	12.6	37.8

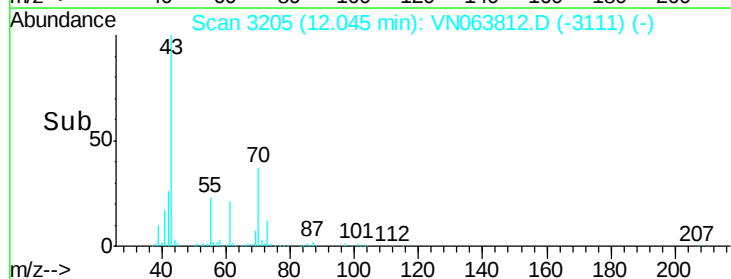
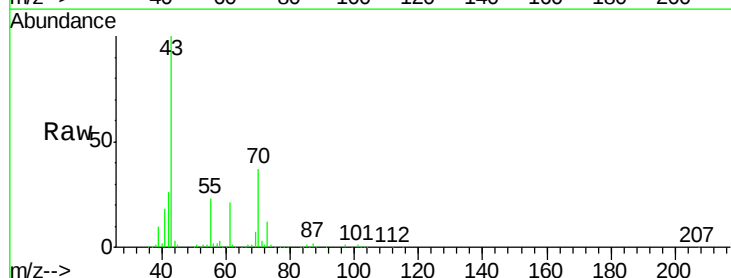
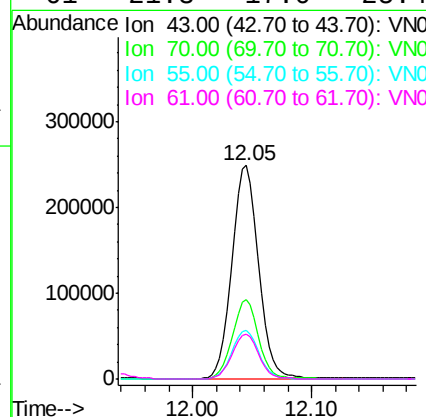
Manual Integrations
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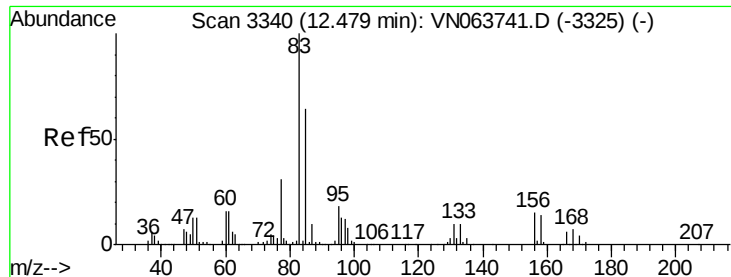
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#74
N-ethyl acetate
Concen: 54.147 ug/l
RT: 12.05 min Scan# 3205
Delta R.T. 0.00 min
Lab File: VN063812.D
Acq: 2 Oct 2020 10:55

Tgt Ion	Ratio	Lower	Upper
43	100		
70	36.5	29.8	44.8
55	23.0	17.9	26.9
61	21.3	17.0	25.4





#75

1,1,2,2-Tetrachloroethane

Concen: 53.666 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN063812.D

Acq: 2 Oct 2020 10:55

Instrument :

MSVOA_N

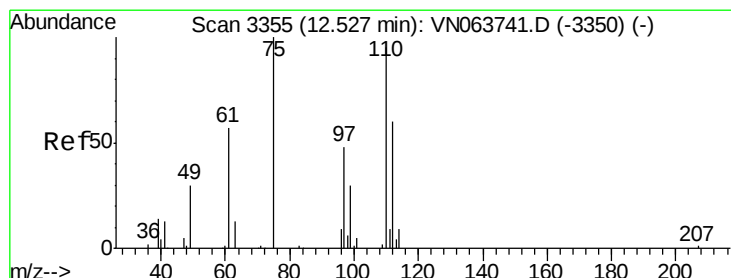
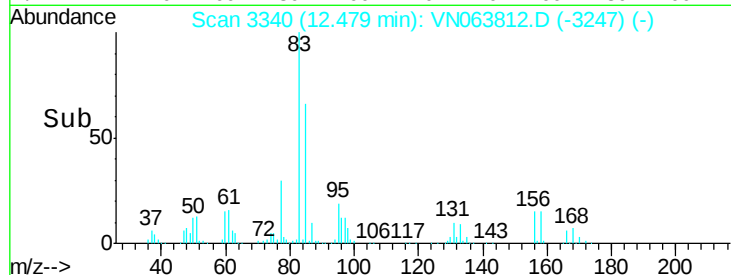
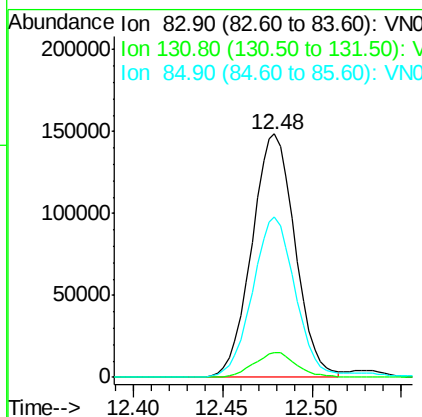
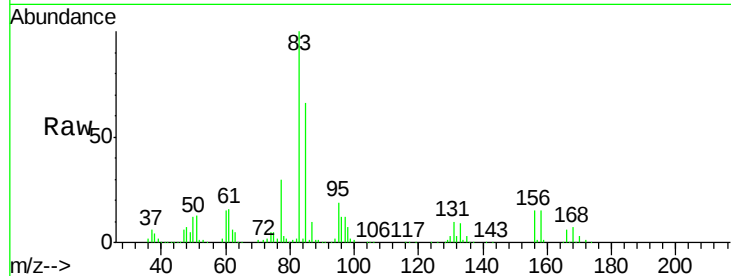
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	251612
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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#76

1,2,3-Trichloropropane

Concen: 51.629 ug/l m

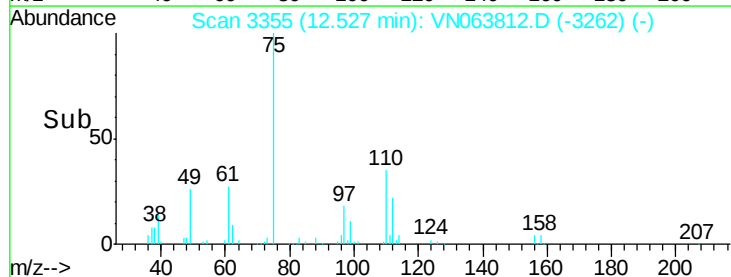
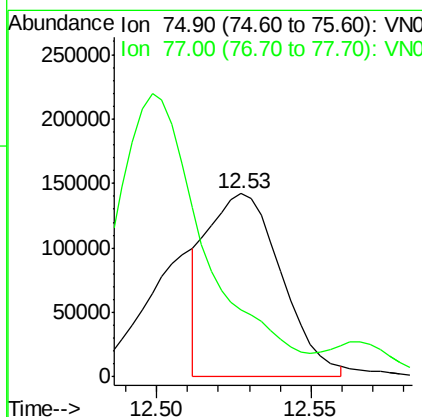
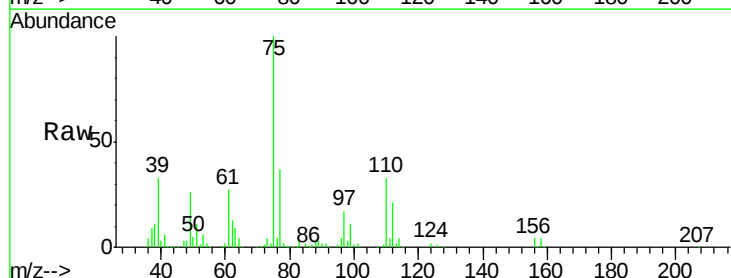
RT: 12.53 min Scan# 3355

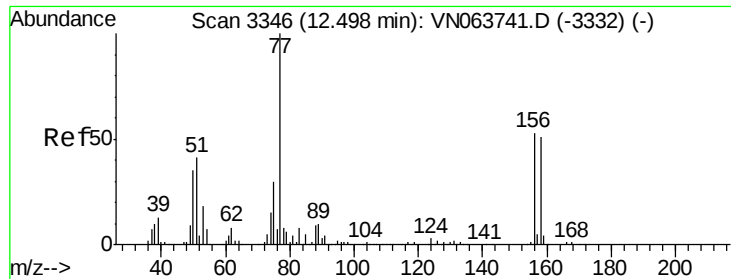
Delta R.T. 0.00 min

Lab File: VN063812.D

Acq: 2 Oct 2020 10:55

Tgt Ion:	75	Resp:	239239
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 53.595 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN063812.D

Acq: 2 Oct 2020 10:55

Instrument :

MSVOA_N

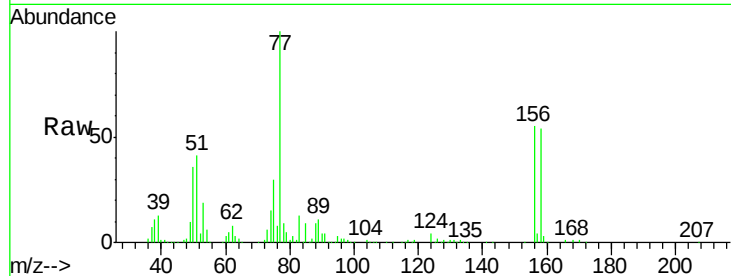
ClientSampled :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	222.3	110.9	332.7
158	98.1	47.7	143.1

Manual Integrations
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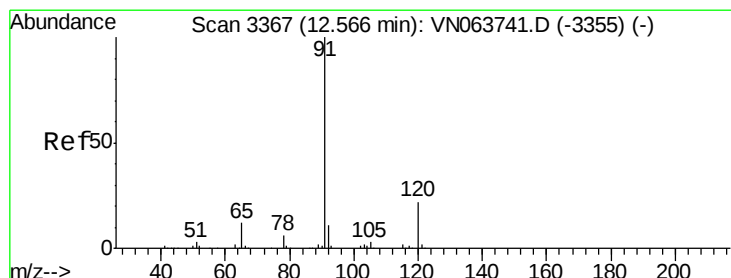
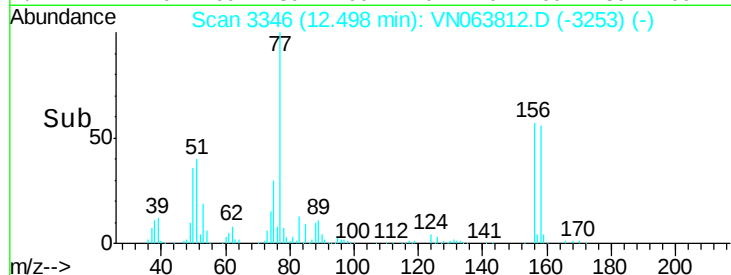
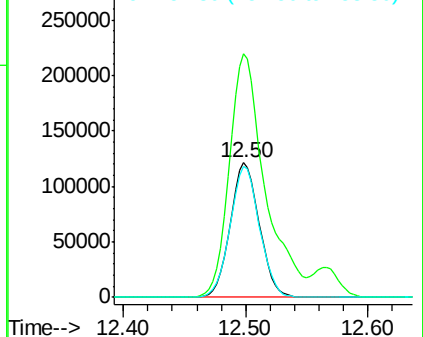
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 53.980 ug/l

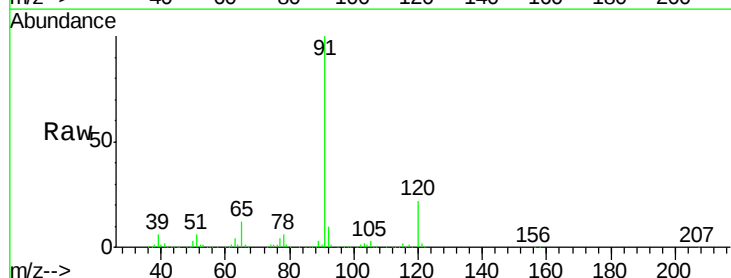
RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN063812.D

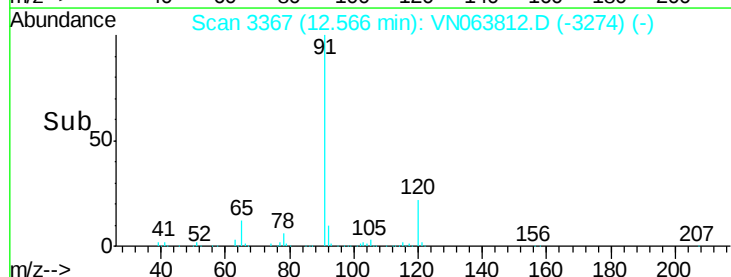
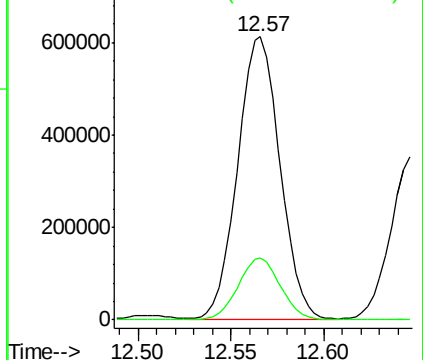
Acq: 2 Oct 2020 10:55

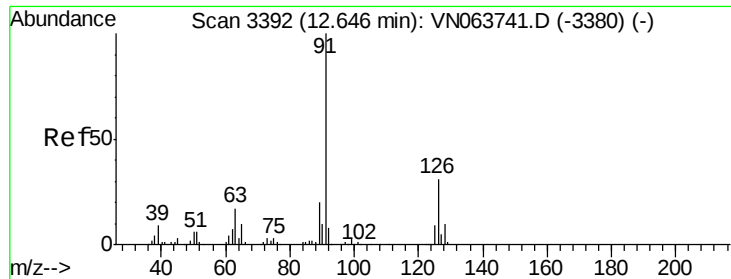
Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.9	11.1	33.1



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





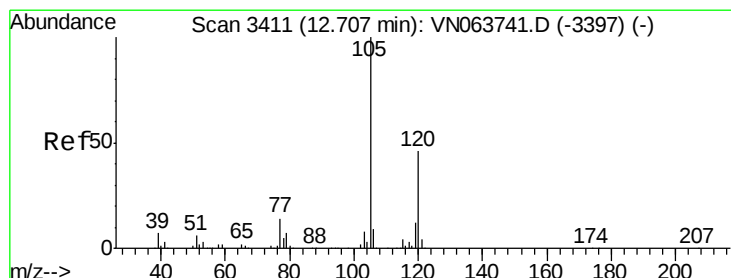
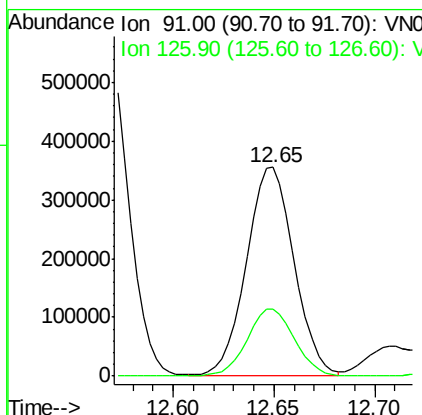
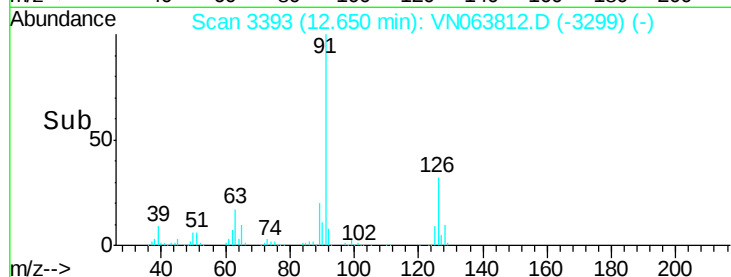
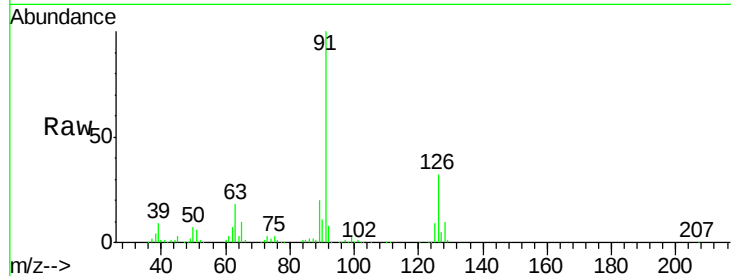
#79
2-Chlorotoluene
Concen: 53.109 ug/l
RT: 12.65 min Scan# 3393
Delta R.T. 0.00 min
Lab File: VN063812.D
Acq: 2 Oct 2020 10:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 582828
Ion Ratio Lower Upper
91 100
126 32.4 15.9 47.7

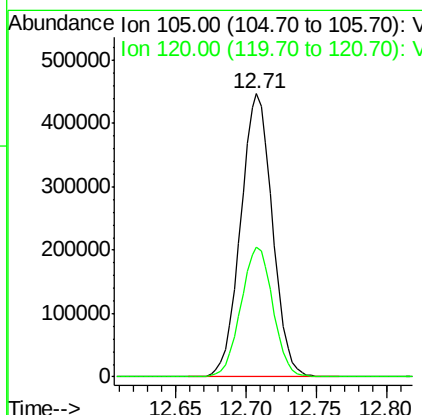
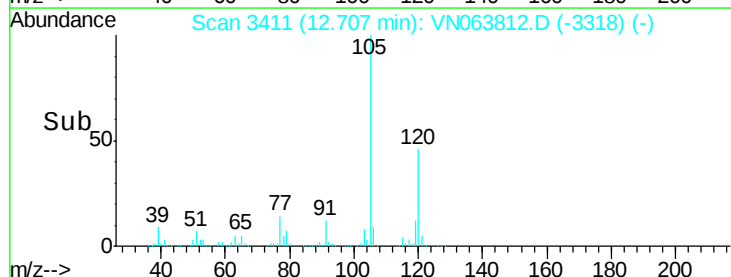
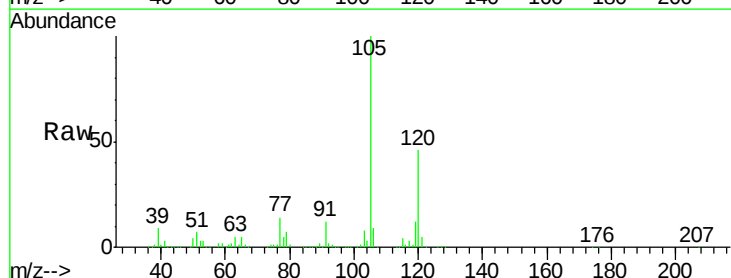
Manual Integrations
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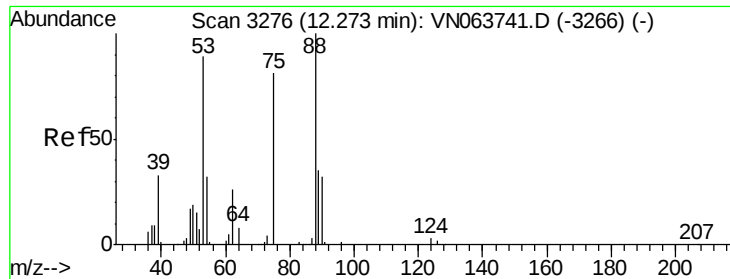
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 54.586 ug/l
RT: 12.71 min Scan# 3411
Delta R.T. 0.00 min
Lab File: VN063812.D
Acq: 2 Oct 2020 10:55

Tgt Ion: 105 Resp: 702145
Ion Ratio Lower Upper
105 100
120 46.4 23.3 69.9





#81

trans-1,4-Dichloro-2-butene

Concen: 57.303 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. 0.00 min

Lab File: VN063812.D

Acq: 2 Oct 2020 10:55

Instrument :

MSVOA_N

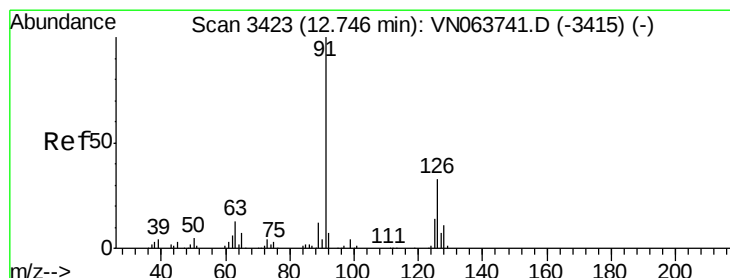
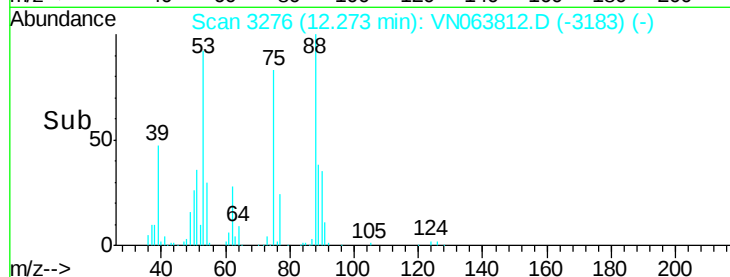
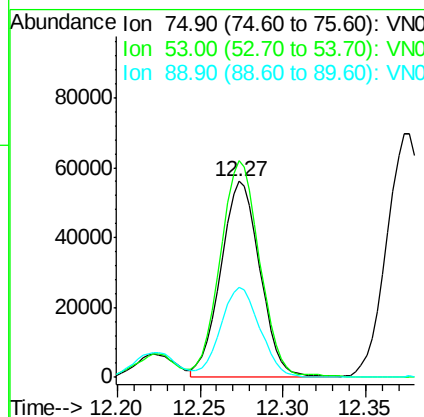
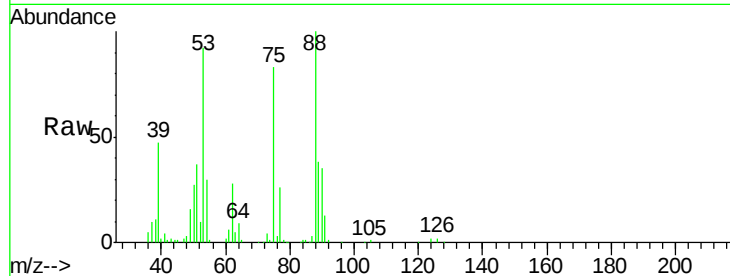
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	92193
Ion	Ratio	Lower	Upper
75	100		
53	111.4	88.2	132.2
89	45.6	36.0	54.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 55.654 ug/l

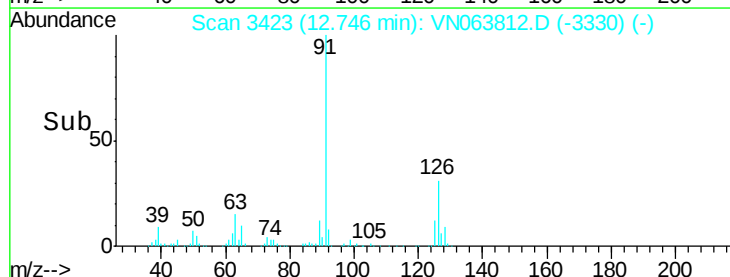
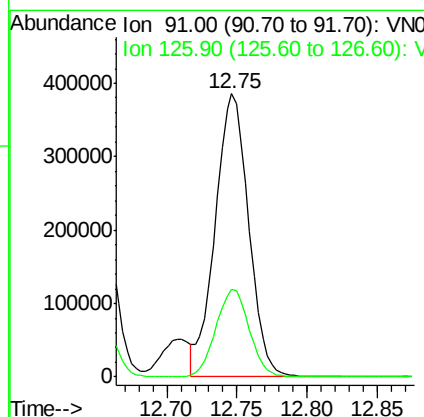
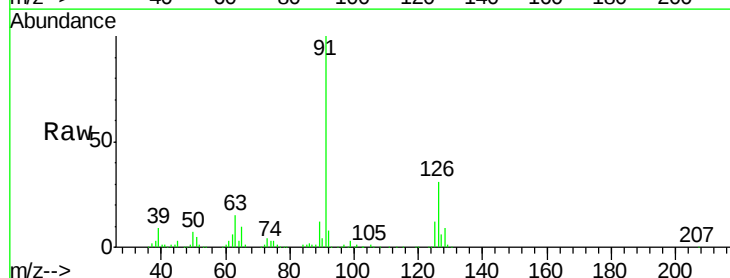
RT: 12.75 min Scan# 3423

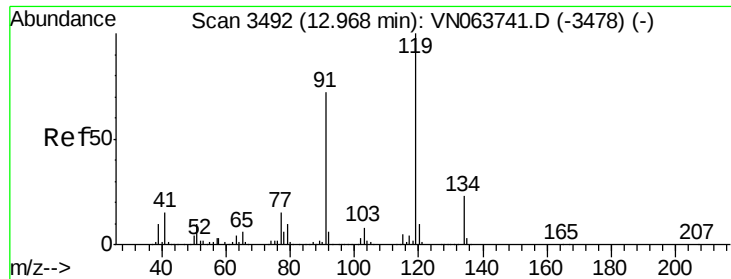
Delta R.T. 0.00 min

Lab File: VN063812.D

Acq: 2 Oct 2020 10:55

Tgt Ion:	91	Resp:	634039
Ion	Ratio	Lower	Upper
91	100		
126	30.7	15.4	46.2





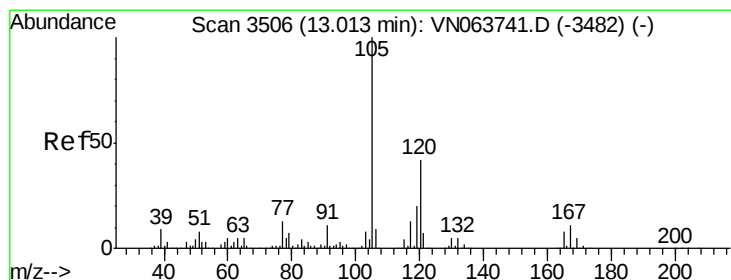
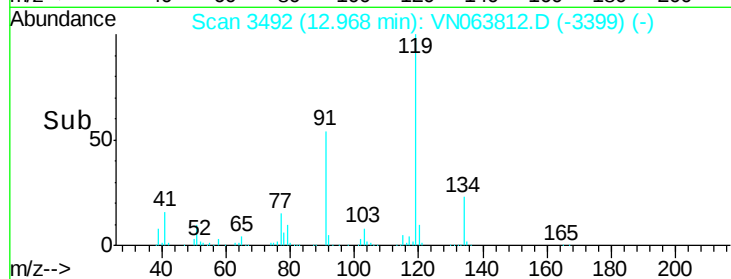
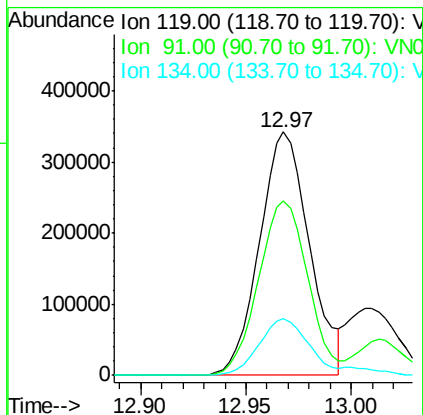
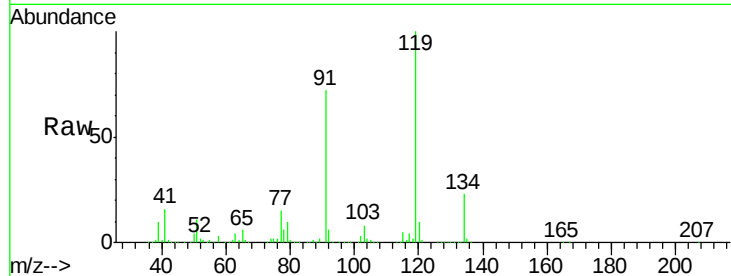
#83
 tert-Butylbenzene
 Concen: 53.521 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. 0.00 min
 Lab File: VN063812.D
 Acq: 2 Oct 2020 10:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	71.2	35.5	106.5
134	25.4	11.7	35.1

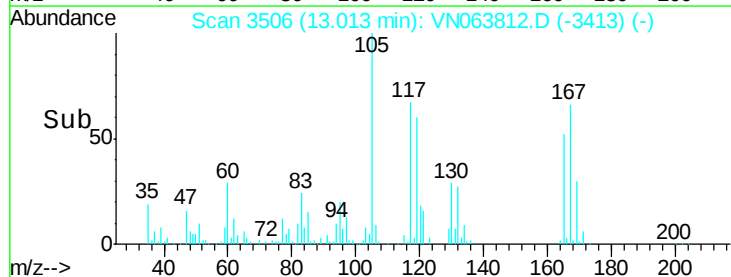
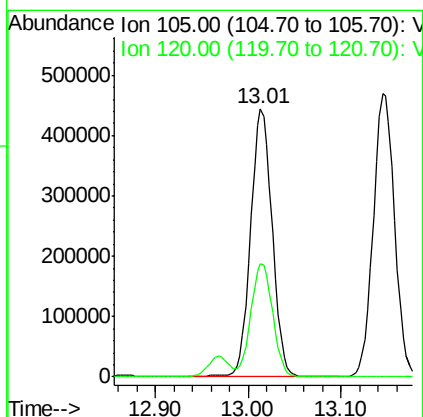
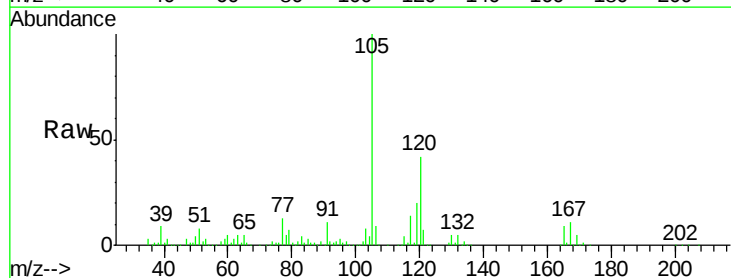
Manual Integrations
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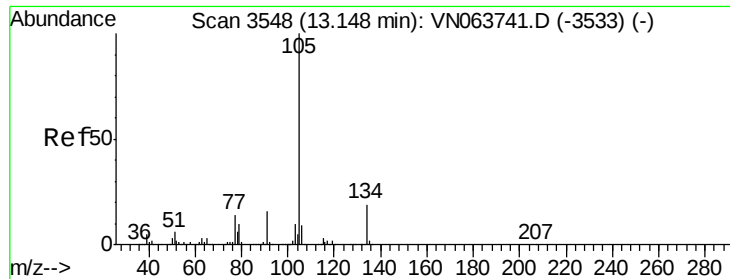
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#84
 1,2,4-Trimethylbenzene
 Concen: 55.666 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN063812.D
 Acq: 2 Oct 2020 10:55

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.2	20.9	62.7





#85

sec-Butylbenzene

Concen: 53.880 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN063812.D

Acq: 2 Oct 2020 10:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 744600

Ion Ratio Lower Upper

105 100

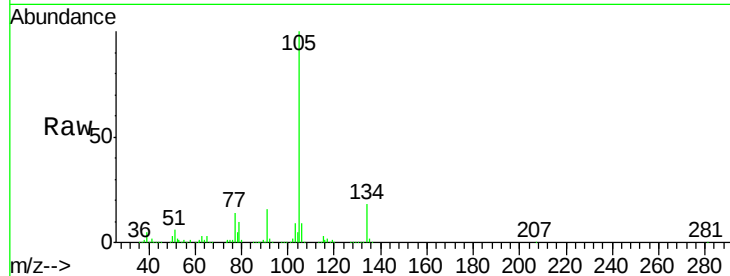
134 18.9 9.5 28.5

Manual Integrations

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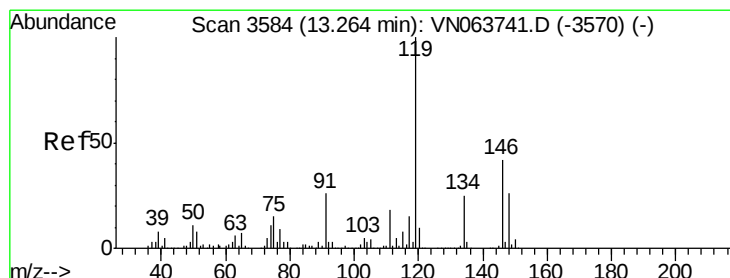
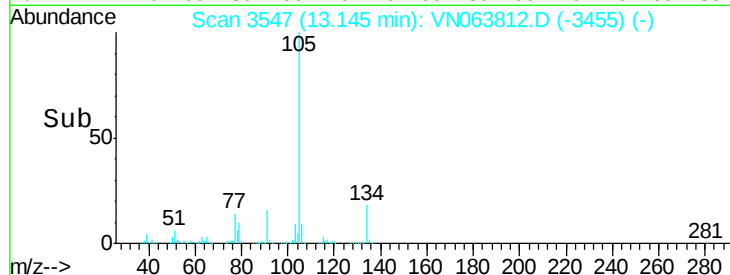
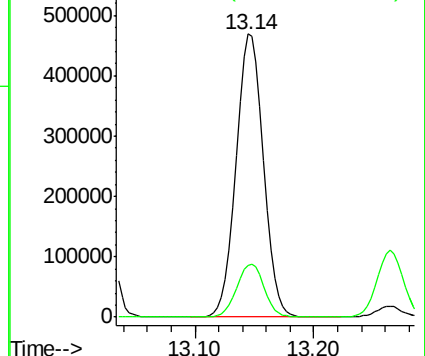
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 54.685 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN063812.D

Acq: 2 Oct 2020 10:55

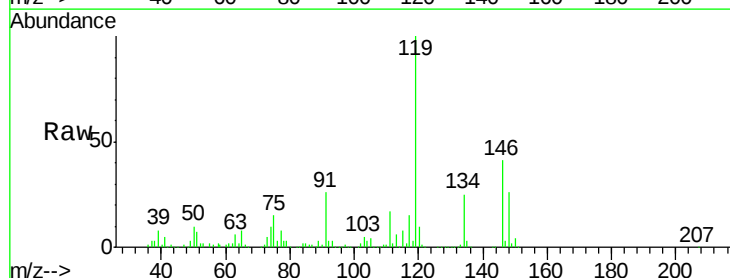
Tgt Ion:119 Resp: 668561

Ion Ratio Lower Upper

119 100

134 25.6 12.6 37.8

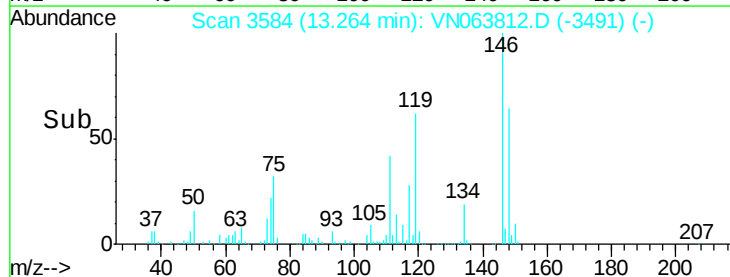
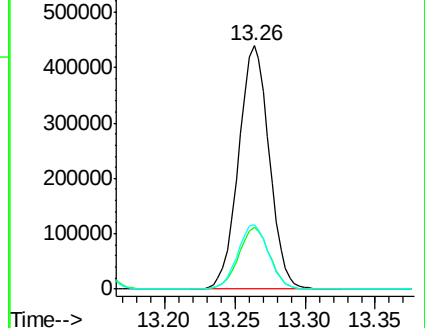
91 26.8 13.4 40.2

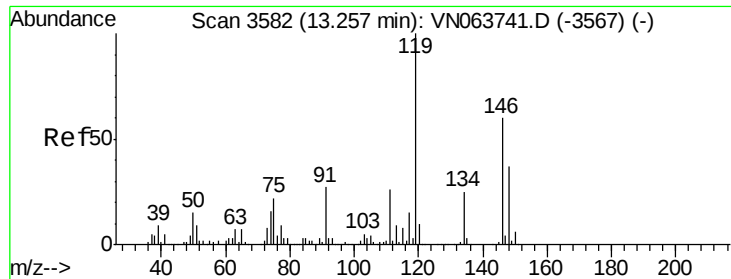


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





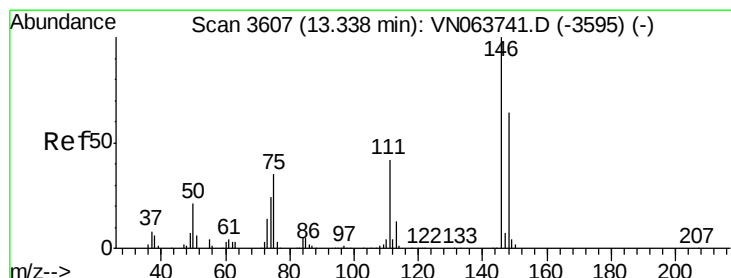
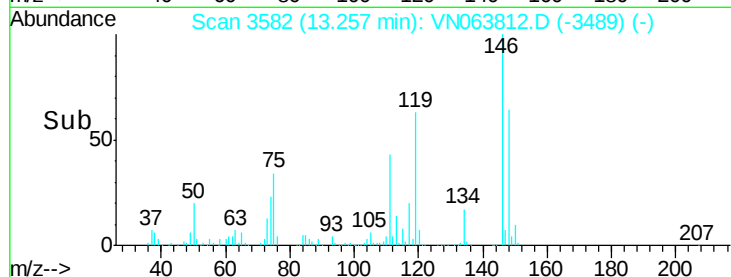
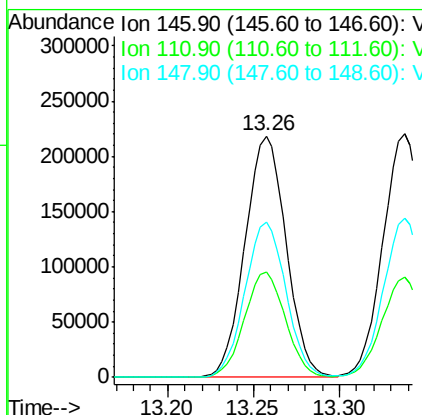
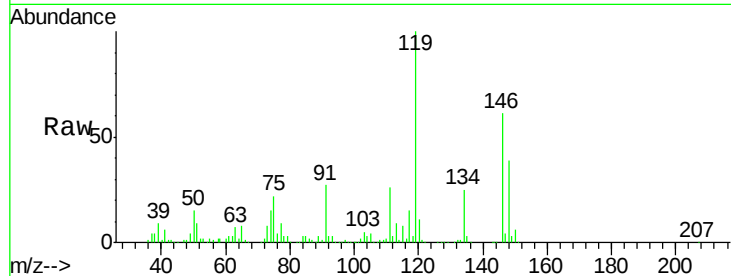
#87
 1,3-Dichlorobenzene
 Concen: 53.178 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN063812.D
 Acq: 2 Oct 2020 10:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.6	21.5	64.5
148	64.1	31.1	93.3

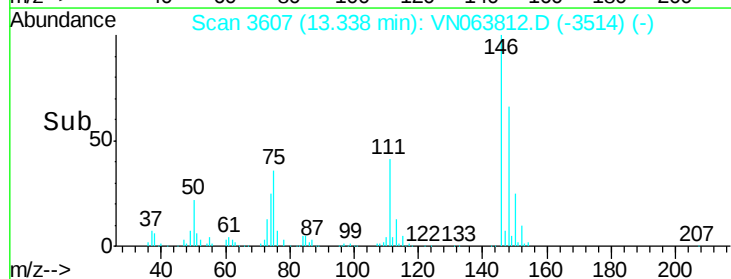
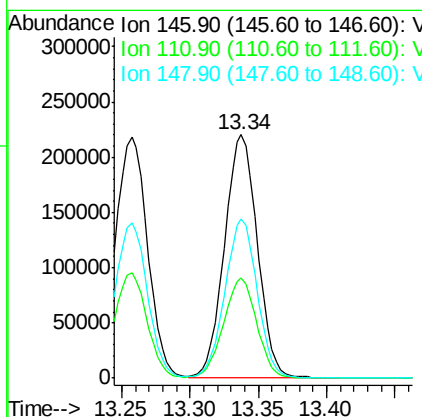
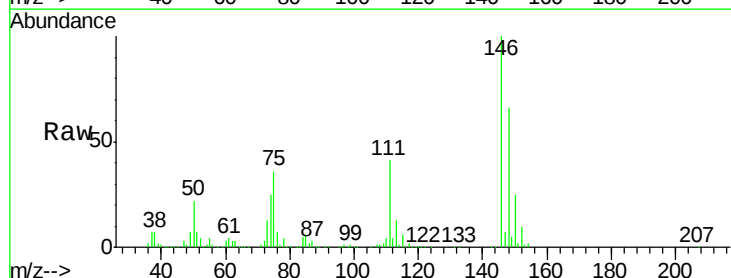
Manual Integrations
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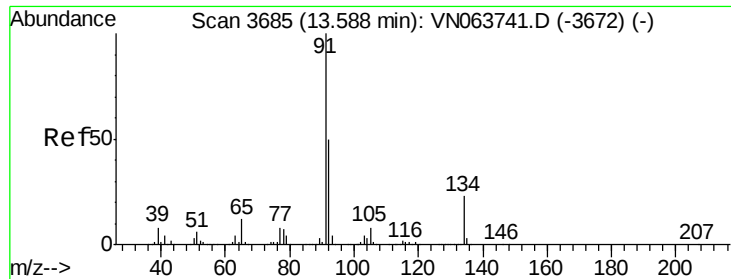
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#88
 1,4-Dichlorobenzene
 Concen: 51.915 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN063812.D
 Acq: 2 Oct 2020 10:55

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.1	21.3	63.7
148	63.7	32.0	96.0





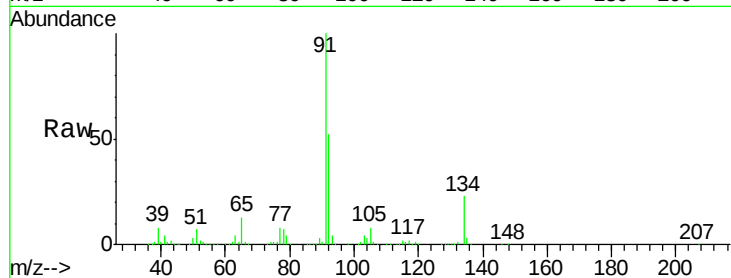
#89
n-Butylbenzene
Concen: 52.130 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN063812.D
Acq: 2 Oct 2020 10:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.9	25.4	76.4
134	23.2	11.7	35.1

Manual Integrations
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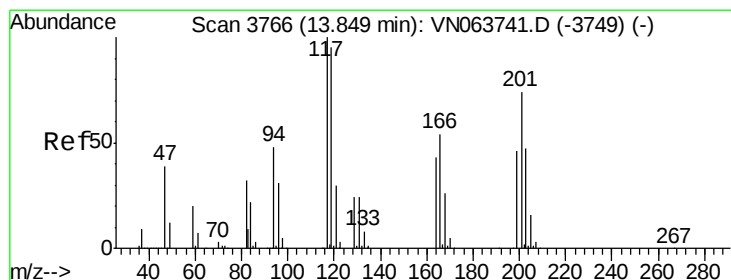
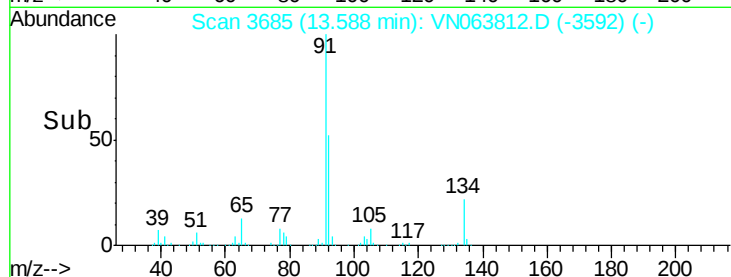
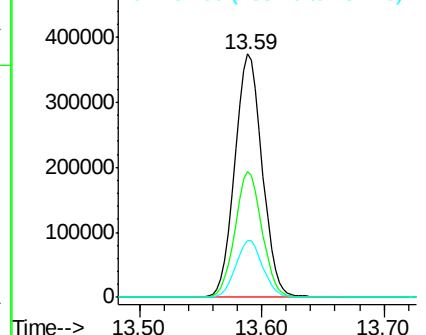


Abundance

Ion 91.00 (90.70 to 91.70): VN063812.D (-3592) (-)

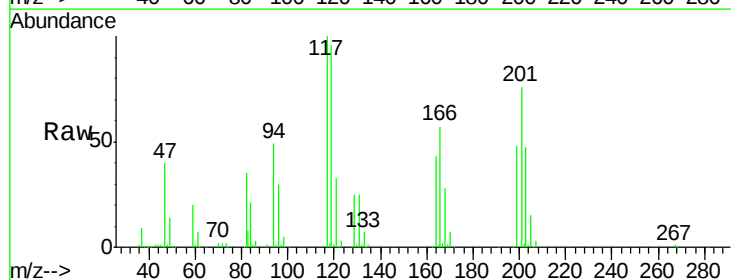
Ion 92.00 (91.70 to 92.70): VN063812.D (-3592) (-)

Ion 134.00 (133.70 to 134.70): VN063812.D (-3592) (-)



#90
Hexachloroethane
Concen: 52.005 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN063812.D
Acq: 2 Oct 2020 10:55

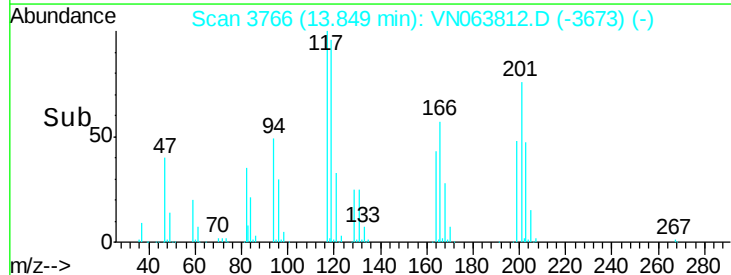
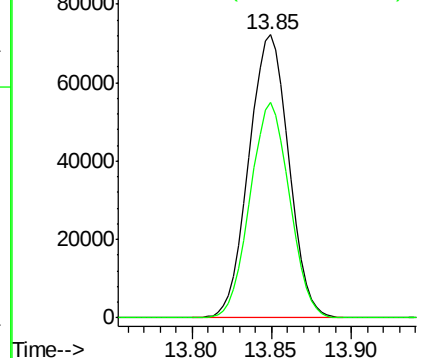
Tgt Ion	Ratio	Lower	Upper
117	100		
201	75.1	36.0	108.0



Abundance

Ion 116.80 (116.50 to 117.50): VN063812.D (-3673) (-)

Ion 200.70 (200.40 to 201.40): VN063812.D (-3673) (-)





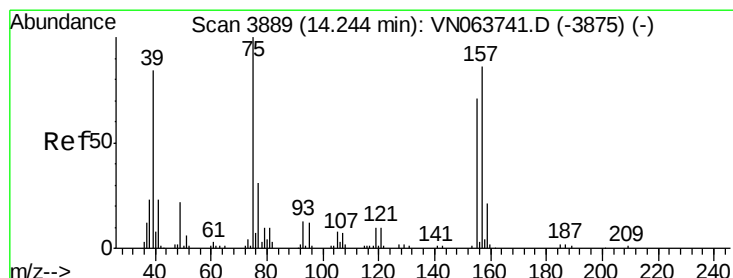
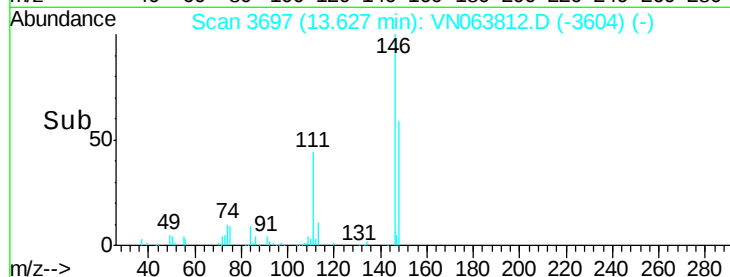
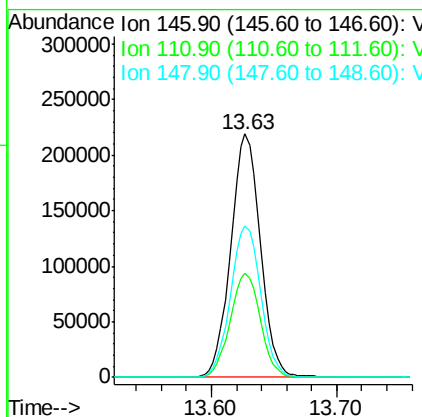
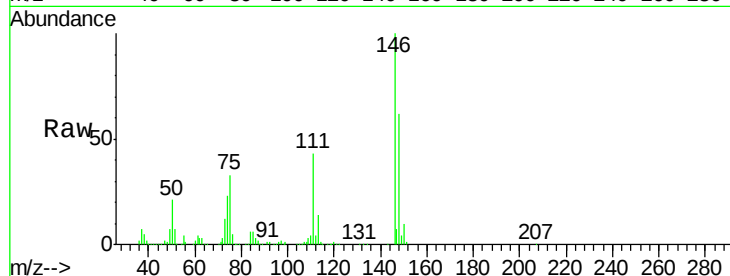
#91
 1,2-Dichlorobenzene
 Concen: 53.423 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN063812.D
 Acq: 2 Oct 2020 10:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.6	22.2	66.6
148	63.5	32.5	97.4

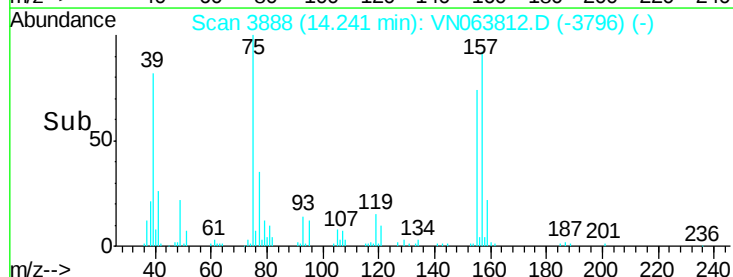
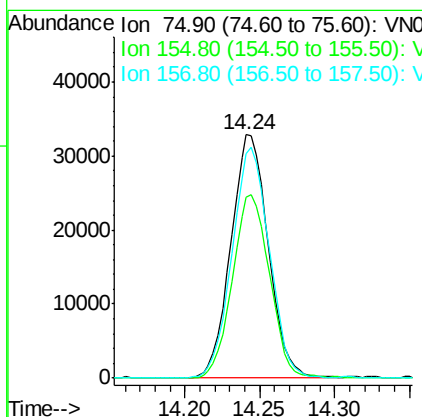
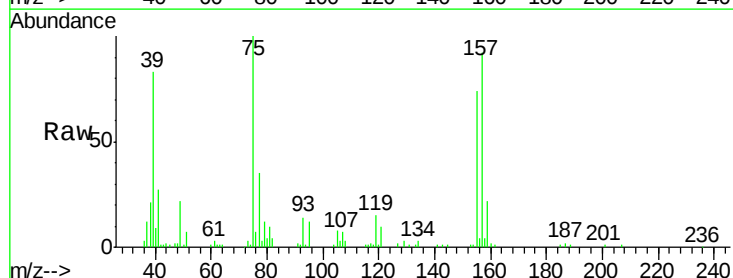
Manual Integrations
 APPROVED

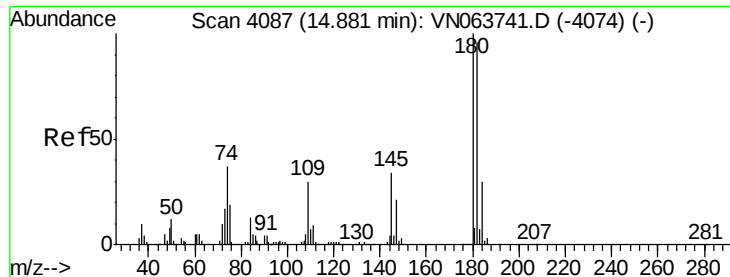
MMDadoda
 10/5/2020 5:35:17 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.125 ug/l
 RT: 14.24 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN063812.D
 Acq: 2 Oct 2020 10:55

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.6	34.8	104.5
157	94.1	43.7	131.1





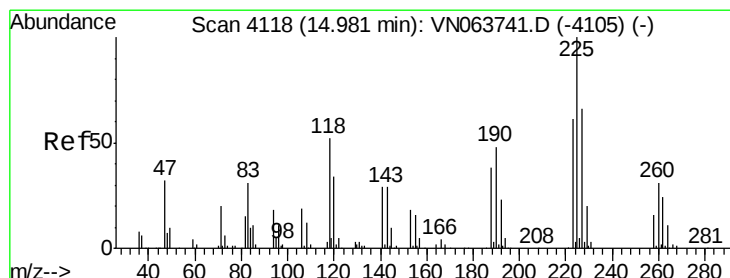
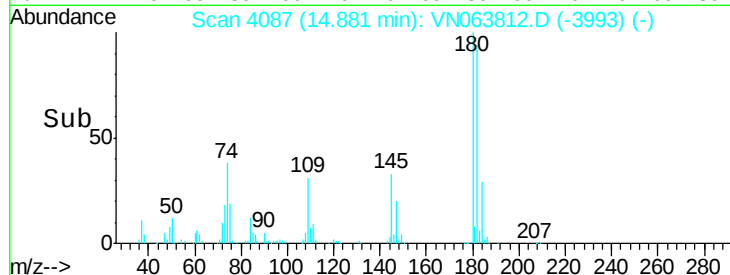
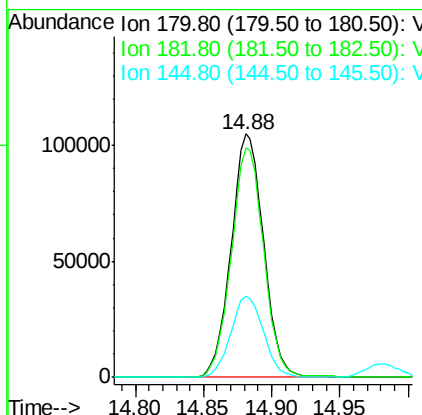
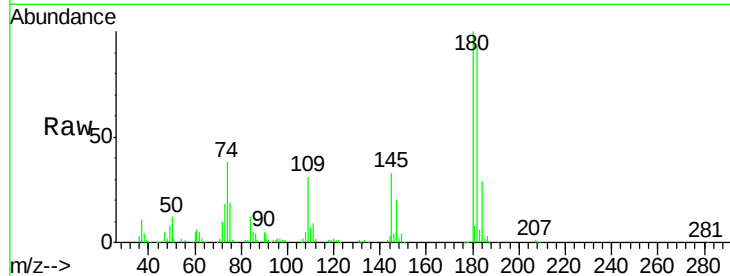
#93
 1,2,4-Trichlorobenzene
 Concen: 47.365 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN063812.D
 Acq: 2 Oct 2020 10:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	173282		
182	93.8	48.2	144.6	
145	33.6	17.1	51.2	

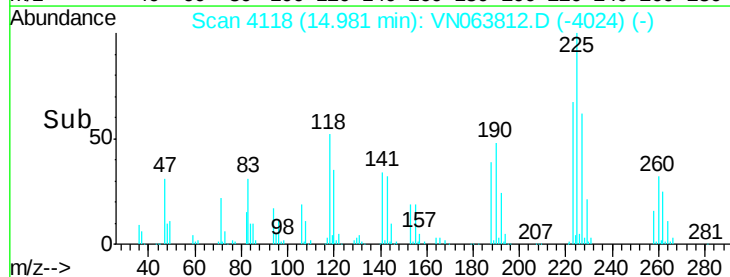
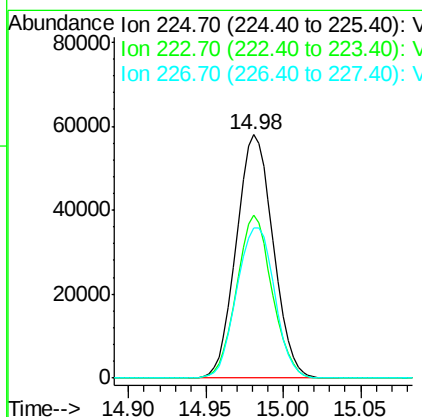
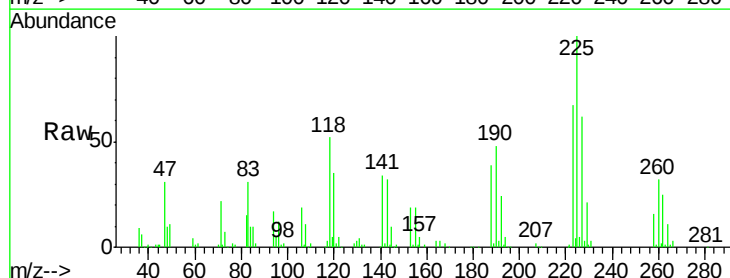
Manual Integrations
 APPROVED

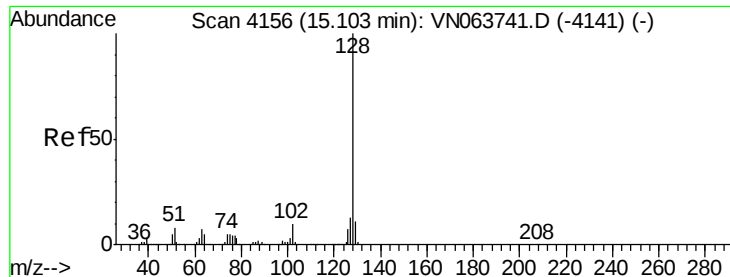
MMDadoda
 10/5/2020 5:35:17 PM



#94
 Hexachlorobutadiene
 Concen: 52.567 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN063812.D
 Acq: 2 Oct 2020 10:55

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	96091		
223	64.7	30.3	91.0	
227	63.7	31.9	95.5	





#95

Naphthalene

Concen: 47.160 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN063812.D

Acq: 2 Oct 2020 10:55

Instrument :

MSVOA_N

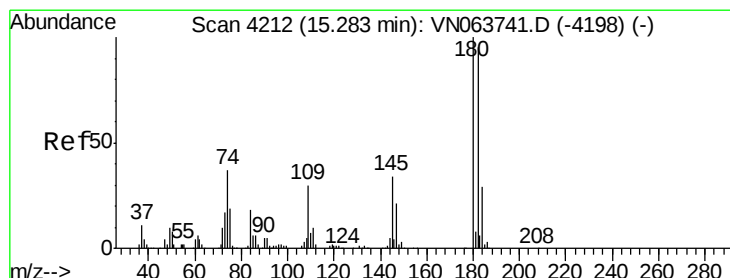
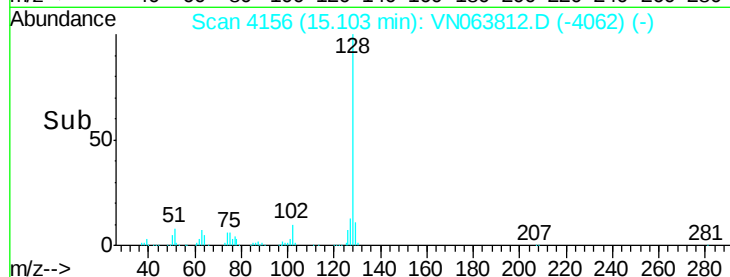
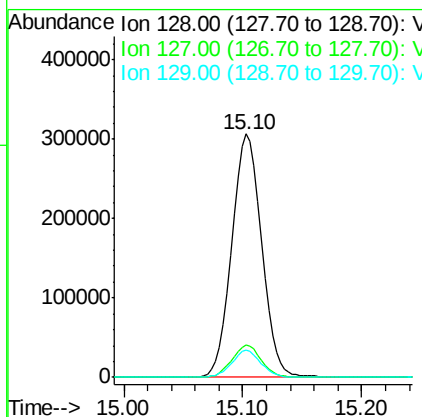
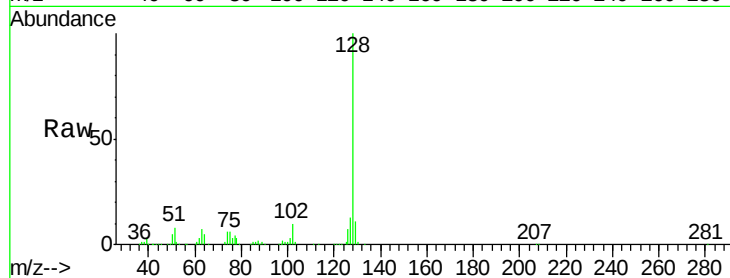
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	533620
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.5	15.7
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
10/5/2020 5:35:17 PM



#96

1,2,3-Trichlorobenzene

Concen: 47.286 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN063812.D

Acq: 2 Oct 2020 10:55

Tgt Ion:	180	Resp:	167807
Ion Ratio	Lower	Upper	
180	100		
182	95.7	47.9	143.6
145	33.2	17.2	51.5

