

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091420\
 Data File : VN063355.D
 Acq On : 14 Sep 2020 20:30
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/15/2020 1:58:44 PM

Quant Time: Sep 15 08:32:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091020W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 11 06:02:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	463698	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	836898	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	773017	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	357713	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	346924	47.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.24%	
35) Dibromofluoromethane	7.55	113	261328	48.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.80%	
50) Toluene-d8	10.06	98	1004172	48.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.06%	
62) 4-Bromofluorobenzene	12.38	95	369332	48.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.66%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	190744	42.831	ug/l	98
3) Chloromethane	2.04	50	292835	50.233	ug/l	99
4) Vinyl Chloride	2.16	62	304450	48.321	ug/l	97
5) Bromomethane	2.53	94	195720	44.524	ug/l	99
6) Chloroethane	2.67	64	196650	47.713	ug/l	96
7) Trichlorofluoromethane	2.99	101	450993	46.288	ug/l	99
8) Diethyl Ether	3.38	74	158740	45.692	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	231024	45.384	ug/l	99
10) Methyl Iodide	3.91	142	328183	49.735	ug/l	98
11) Tert butyl alcohol	4.72	59	222118	230.600	ug/l	100
12) 1,1-Dichloroethene	3.70	96	233277	45.909	ug/l	95
13) Acrolein	3.57	56	177468	326.557	ug/l	99
14) Allyl chloride	4.28	41	454121	43.535	ug/l	98
15) Acrylonitrile	4.93	53	646087	245.326	ug/l	99
16) Acetone	3.77	43	565058	224.617	ug/l	99
17) Carbon Disulfide	4.02	76	670691	46.585	ug/l	99
18) Methyl Acetate	4.28	43	304938	48.220	ug/l	100
19) Methyl tert-butyl Ether	4.99	73	850047	46.816	ug/l	98
20) Methylene Chloride	4.51	84	283877	49.553	ug/l	97
21) trans-1,2-Dichloroethene	4.99	96	260699	45.846	ug/l	98
22) Diisopropyl ether	5.90	45	974323	47.463	ug/l	95
23) Vinyl Acetate	5.84	43	4049268	250.602	ug/l	100
24) 1,1-Dichloroethane	5.80	63	521913	46.948	ug/l	99
25) 2-Butanone	6.78	43	891521	239.910	ug/l	99
26) 2,2-Dichloropropane	6.78	77	391603	40.190	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	304012	45.873	ug/l	97
28) Bromochloromethane	7.15	49	248521	46.102	ug/l	100
29) Tetrahydrofuran	7.16	42	594404	245.654	ug/l	99
30) Chloroform	7.33	83	523155	47.001	ug/l	99
31) Cyclohexane	7.61	56	449448	43.986	ug/l	100
32) 1,1,1-Trichloroethane	7.53	97	452006	46.584	ug/l	99
36) 1,1-Dichloropropene	7.75	75	391248	45.481	ug/l	100
37) Ethyl Acetate	6.88	43	399644	47.222	ug/l	99
38) Carbon Tetrachloride	7.74	117	388908	45.935	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	410069	43.696	ug/l	99
40) Benzene	8.00	78	1142237	46.489	ug/l	100
41) Methacrylonitrile	7.13	41	176574m	46.126	ug/l	
42) 1,2-Dichloroethane	8.09	62	433929	46.549	ug/l	99
43) Isopropyl Acetate	8.13	43	679570	47.416	ug/l #	92
44) Trichloroethene	8.80	130	298097	46.393	ug/l	100
45) 1,2-Dichloropropane	9.08	63	312380	46.351	ug/l	99
46) Dibromomethane	9.17	93	203757	46.624	ug/l	99
47) Bromodichloromethane	9.37	83	428828	47.086	ug/l	97
48) Methyl methacrylate	9.17	41	321791	47.055	ug/l	98
49) 1,4-Dioxane	9.17	88	90906	858.561	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	2002218	253.495	ug/l	99
52) Toluene	10.13	92	708352	47.220	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	464333	46.754	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	493739	46.173	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	280644	47.743	ug/l	97
56) Ethyl methacrylate	10.40	69	436815	48.866	ug/l	100
57) 1,3-Dichloropropane	10.68	76	493696	48.063	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	1062074	221.505	ug/l	99
59) 2-Hexanone	10.72	43	1462536	251.071	ug/l	99
60) Dibromochloromethane	10.87	129	313868	48.624	ug/l	100
61) 1,2-Dibromoethane	10.98	107	291576	47.580	ug/l	100
64) Tetrachloroethene	10.60	164	304342	48.060	ug/l	99
65) Chlorobenzene	11.41	112	754121	45.315	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	281112	46.363	ug/l	99
67) Ethyl Benzene	11.49	91	1397533	46.778	ug/l	99
68) m/p-Xylenes	11.60	106	1021279	92.413	ug/l	98
69) o-Xylene	11.92	106	493521	46.534	ug/l	99
70) Styrene	11.94	104	843761	47.868	ug/l	99
71) Bromoform	12.10	173	202556	48.300	ug/l #	99
73) Isopropylbenzene	12.23	105	1322673	45.842	ug/l	100
74) N-amyl acetate	12.05	43	595009	50.230	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	379595	45.937	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	377490m	47.834	ug/l	
77) Bromobenzene	12.50	156	308783	46.558	ug/l	98
78) n-propylbenzene	12.57	91	1531795	46.733	ug/l	100
79) 2-Chlorotoluene	12.65	91	915214	45.411	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	1121261	46.801	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.28	75	134290	45.720	ug/l	99
82) 4-Chlorotoluene	12.75	91	939652	44.477	ug/l	100
83) tert-Butylbenzene	12.97	119	921939	45.374	ug/l	100
84) 1,2,4-Trimethylbenzene	13.02	105	1139493	47.187	ug/l	100
85) sec-Butylbenzene	13.15	105	1217257	47.088	ug/l	100
86) p-Isopropyltoluene	13.26	119	1094155	46.169	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	551516	45.487	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	551693	47.532	ug/l	99
89) n-Butylbenzene	13.59	91	966599	45.182	ug/l	100
90) Hexachloroethane	13.85	117	189377	48.580	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	545868	45.551	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.24	75	85872	45.699	ug/l	99

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VSTDCCC050EC

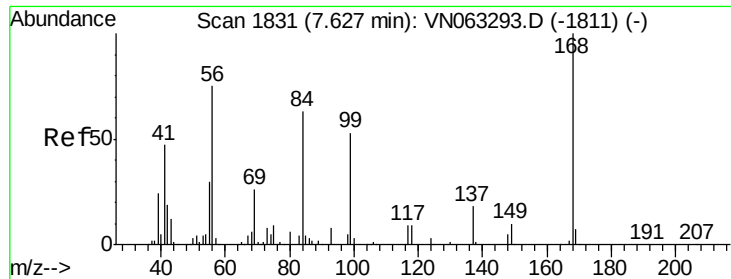
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	287902	41.044	ug/l	99
94) Hexachlorobutadiene	14.98	225	111477	43.934	ug/l	98
95) Naphthalene	15.10	128	943355	44.685	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	272762	43.217	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.00 min

Lab File: VN063355.D

Acq: 14 Sep 2020 20:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 463698

Ion Ratio Lower Upper

168 100

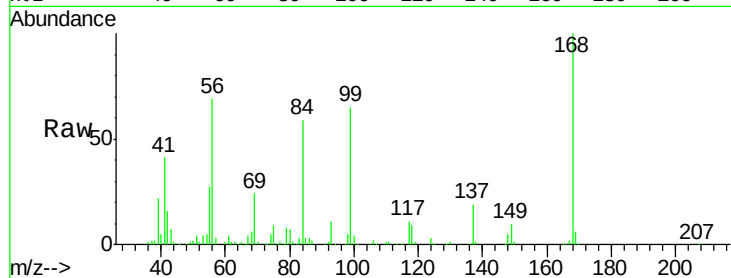
99 64.8 51.1 76.7

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

7.63

200000

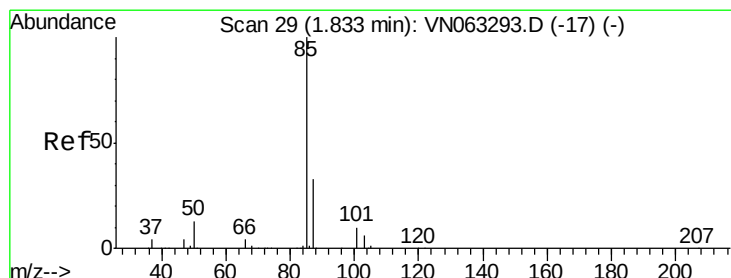
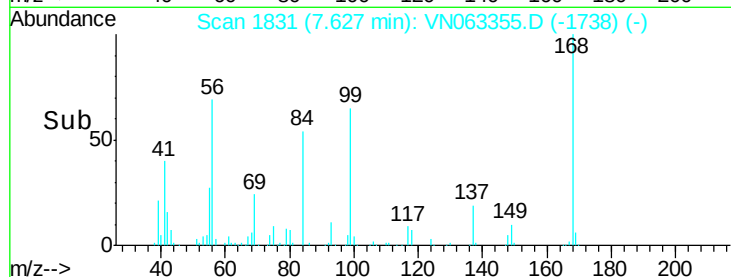
150000

100000

50000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 42.831 ug/l

RT: 1.83 min Scan# 29

Delta R.T. -0.00 min

Lab File: VN063355.D

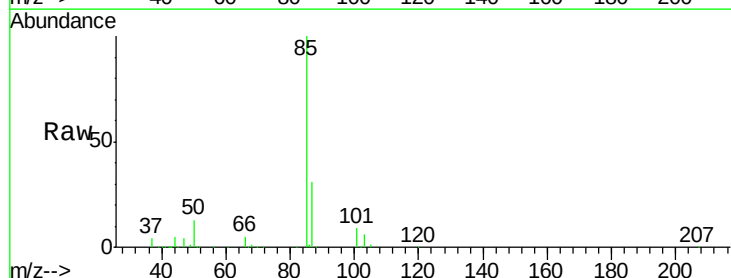
Acq: 14 Sep 2020 20:30

Tgt Ion: 85 Resp: 190744

Ion Ratio Lower Upper

85 100

87 31.4 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

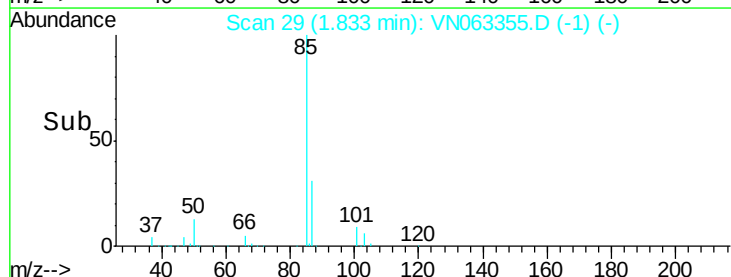
150000

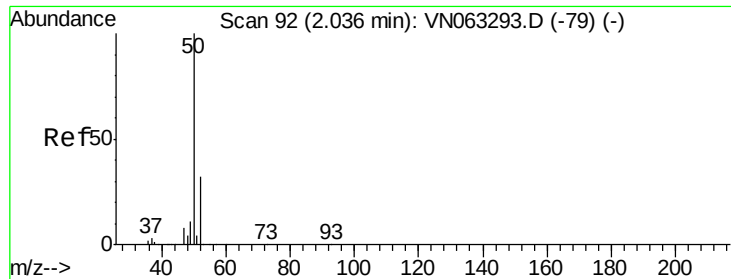
100000

50000

0

Time--> 1.75 1.80 1.85 1.90





#3

Chloromethane

Concen: 50.233 ug/l

RT: 2.04 min Scan# 92

Delta R.T. 0.00 min

Lab File: VN063355.D

Acq: 14 Sep 2020 20:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 292835

Ion Ratio Lower Upper

50 100

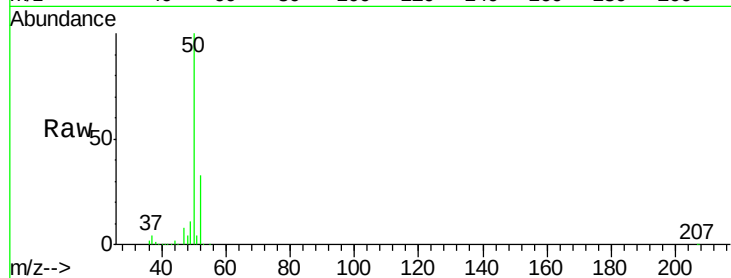
52 32.6 25.4 38.2

Manual Integrations

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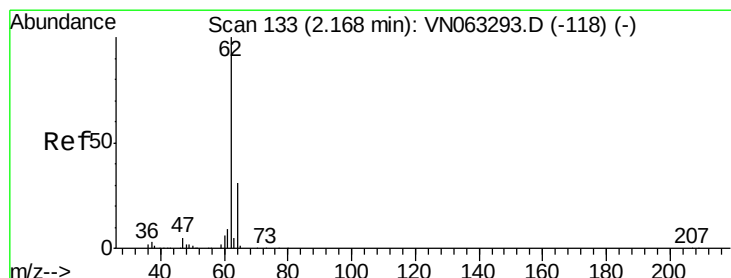
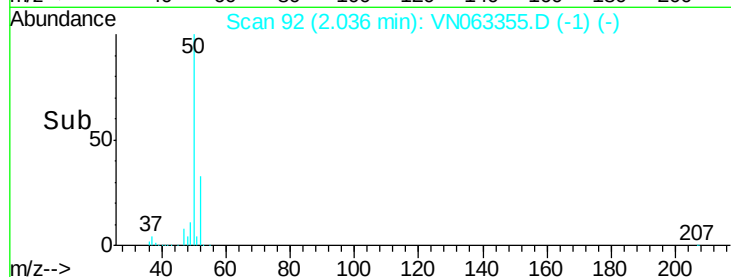
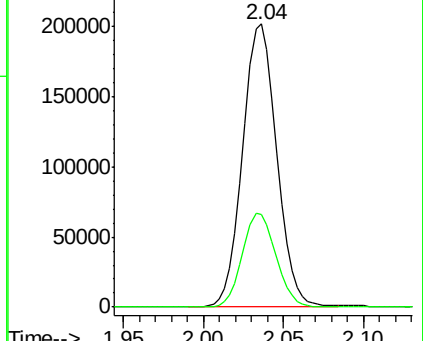
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 48.321 ug/l

RT: 2.16 min Scan# 132

Delta R.T. -0.00 min

Lab File: VN063355.D

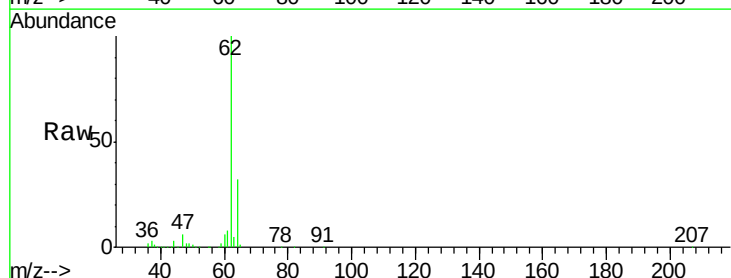
Acq: 14 Sep 2020 20:30

Tgt Ion: 62 Resp: 304450

Ion Ratio Lower Upper

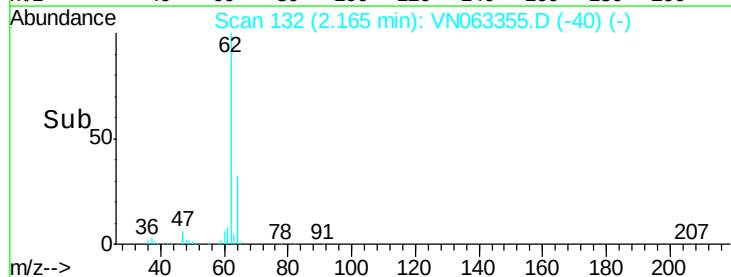
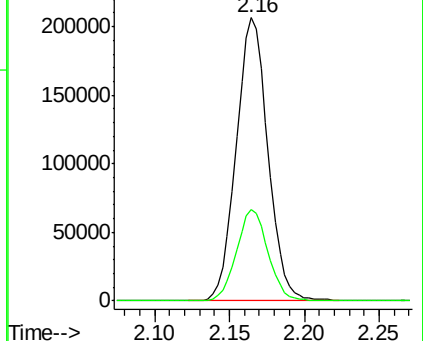
62 100

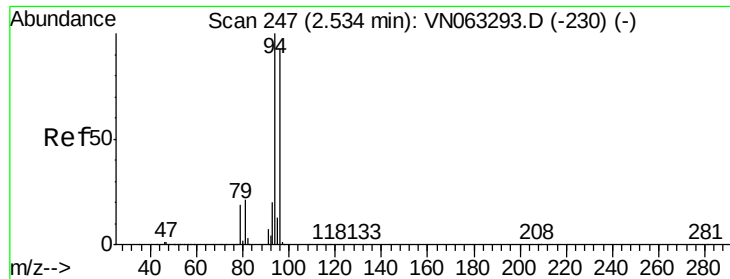
64 32.4 24.6 37.0



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 44.524 ug/l

RT: 2.53 min Scan# 246

Delta R.T. -0.00 min

Lab File: VN063355.D

Acq: 14 Sep 2020 20:30

Instrument :

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VSTDCCC050EC

Tot Ion: 94 Resp: 195720

Ion Ratio Lower Upper

94 100

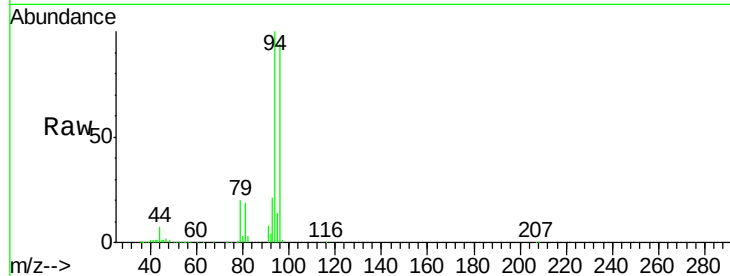
96 93.8 74.3 111.5

Manual Integrations

APPROVED

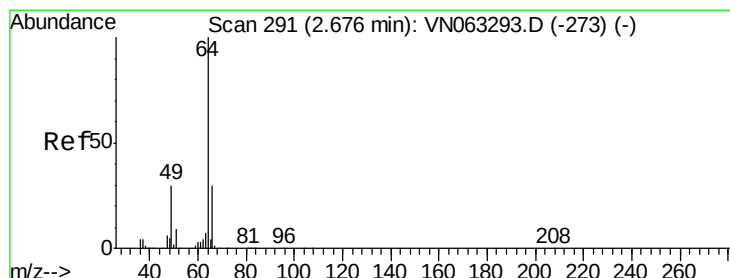
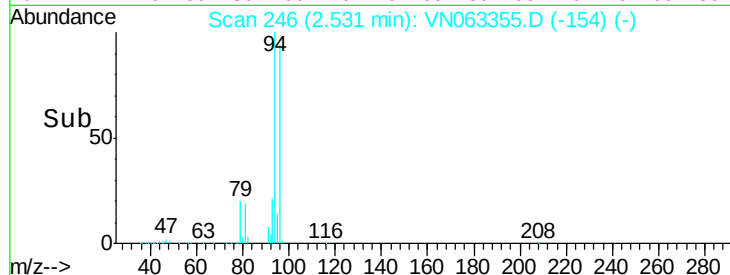
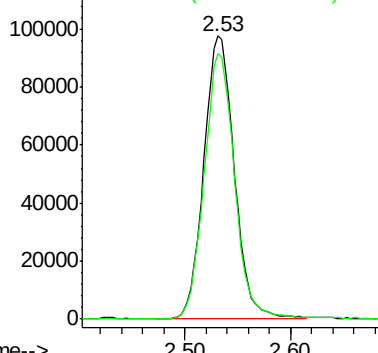
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 47.713 ug/l

RT: 2.67 min Scan# 290

Delta R.T. -0.00 min

Lab File: VN063355.D

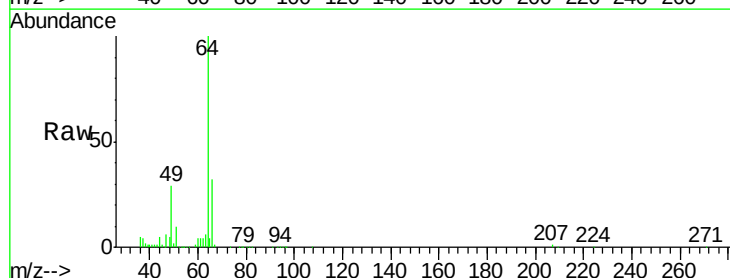
Acq: 14 Sep 2020 20:30

Tgt Ion: 64 Resp: 196650

Ion Ratio Lower Upper

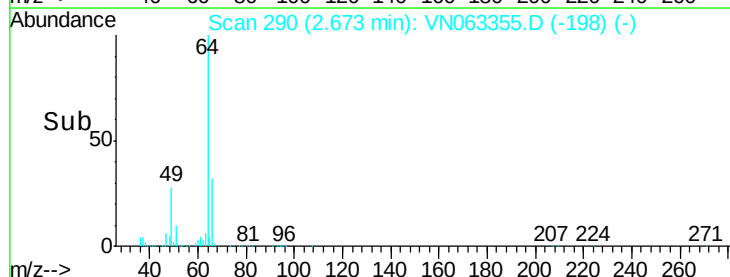
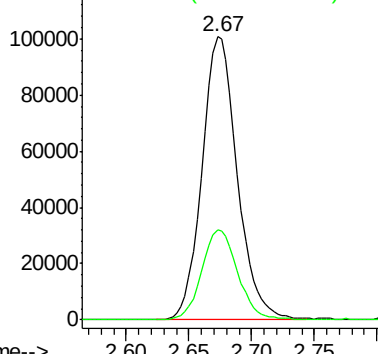
64 100

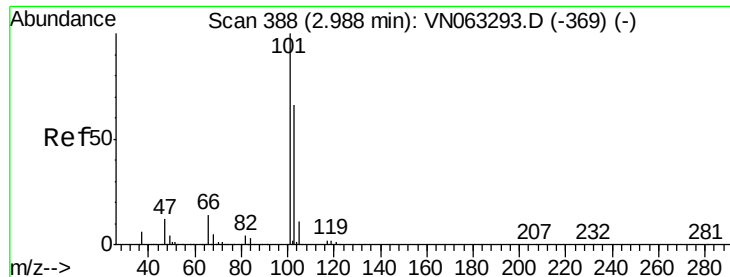
66 31.6 23.8 35.6



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

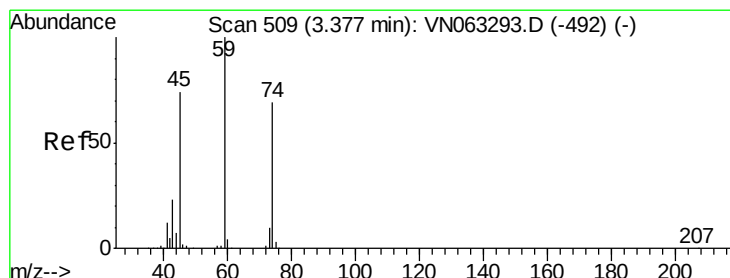
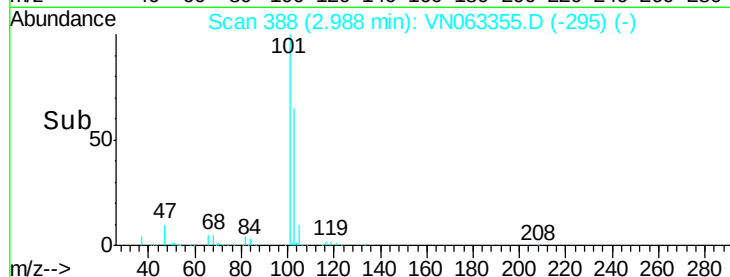
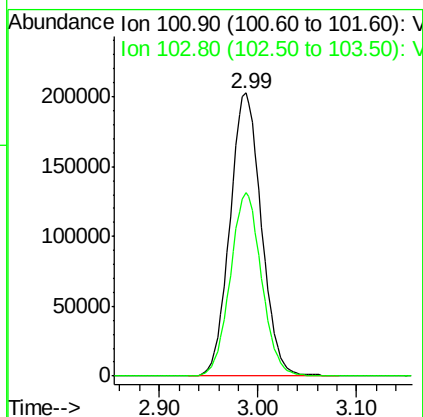
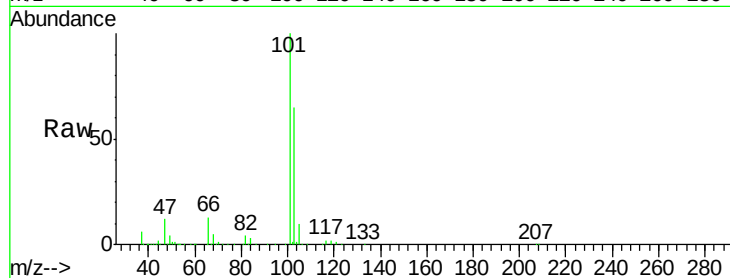
Trichlorofluoromethane
 Concen: 46.288 ug/l
 RT: 2.99 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VN063355.D
 Acq: 14 Sep 2020 20:30

Instrument :
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 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.6	52.4	78.6

Manual Integrations
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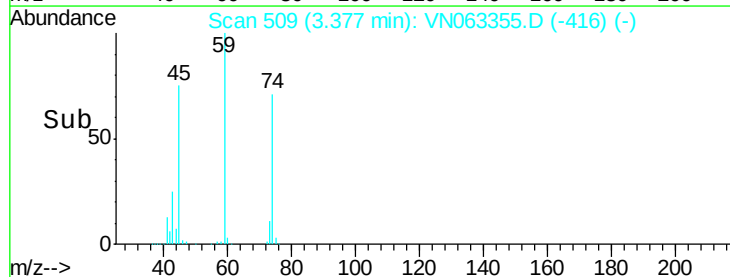
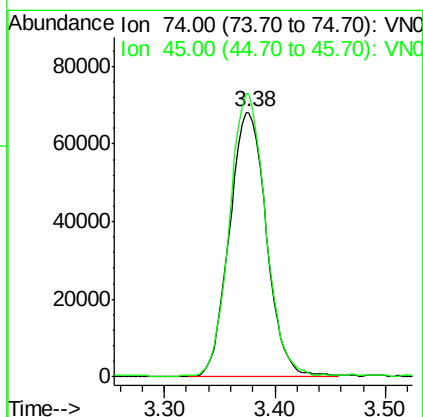
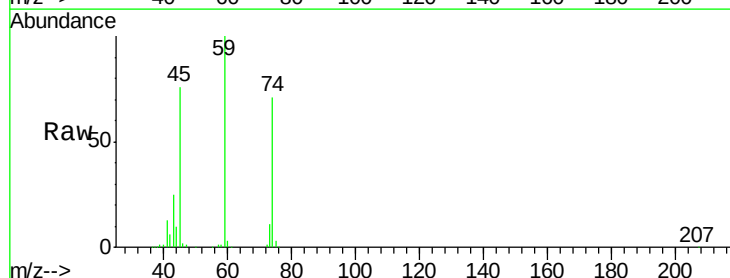
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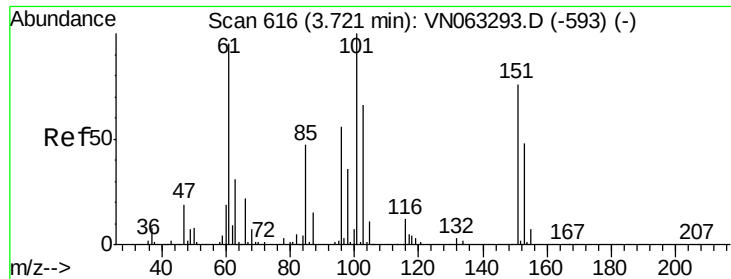


#8

Diethyl Ether
 Concen: 45.692 ug/l
 RT: 3.38 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN063355.D
 Acq: 14 Sep 2020 20:30

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.8	52.7	158.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.384 ug/l

RT: 3.72 min Scan# 617

Delta R.T. 0.00 min

Lab File: VN063355.D

Acq: 14 Sep 2020 20:30

Instrument :

MSVOA_N

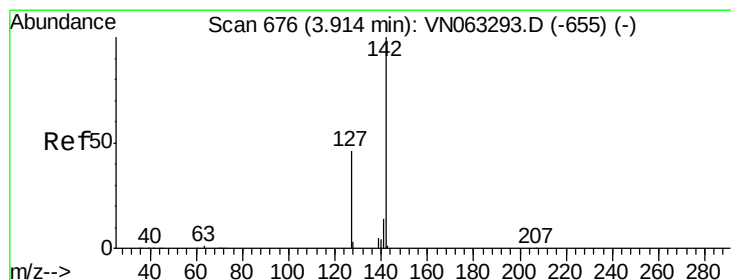
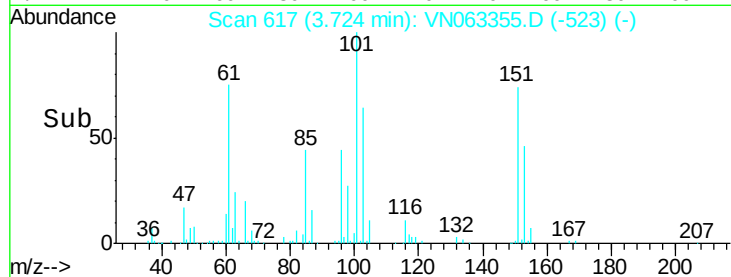
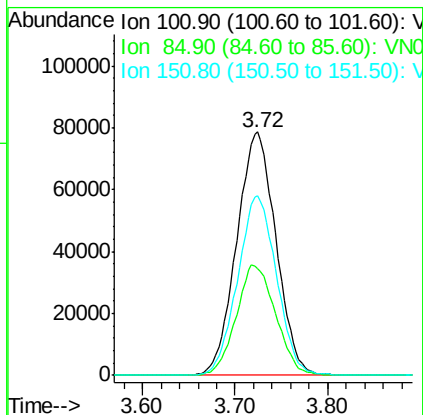
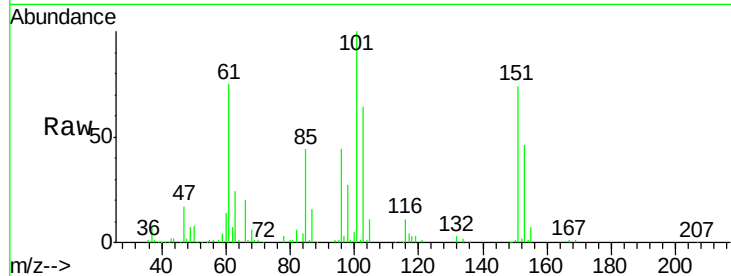
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	231024
Ion Ratio	Lower	Upper	
101	100		
85	45.7	36.9	55.3
151	73.3	57.8	86.8

Manual Integrations
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9/15/2020 1:58:44 PM



#10

Methyl Iodide

Concen: 49.735 ug/l

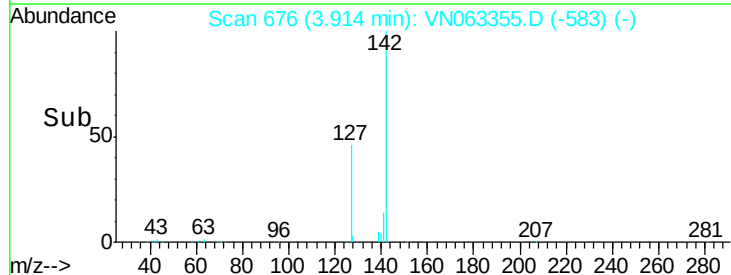
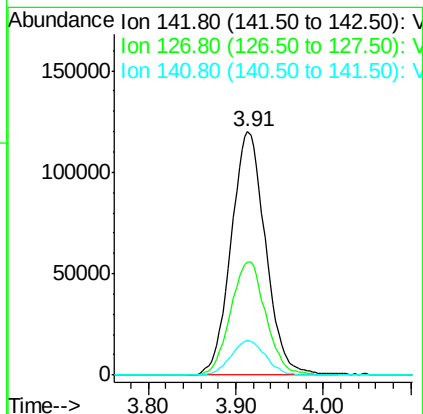
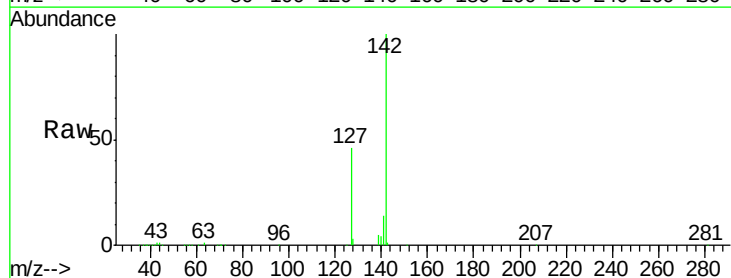
RT: 3.91 min Scan# 676

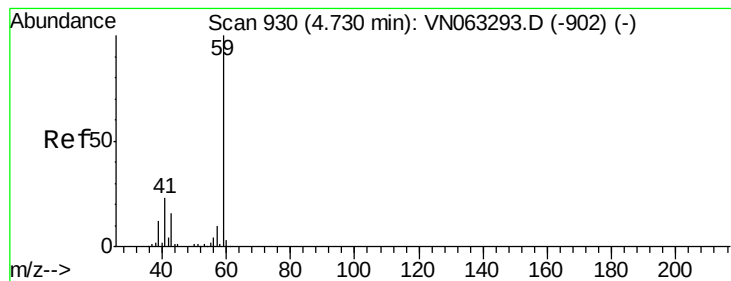
Delta R.T. -0.00 min

Lab File: VN063355.D

Acq: 14 Sep 2020 20:30

Tgt Ion:	142	Resp:	328183
Ion Ratio	Lower	Upper	
142	100		
127	47.9	37.1	55.7
141	14.4	11.6	17.4





#11

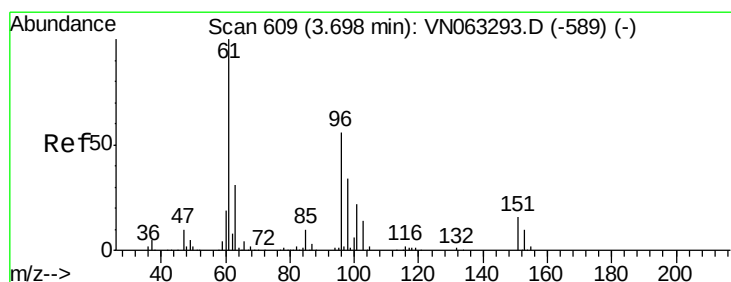
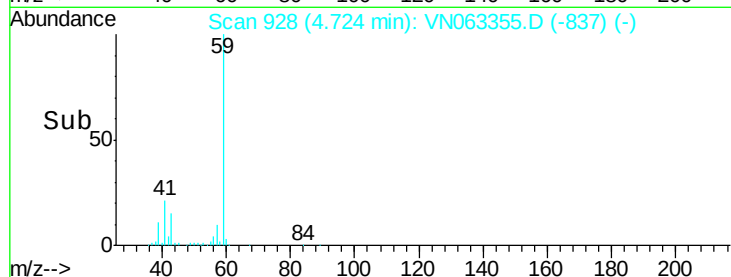
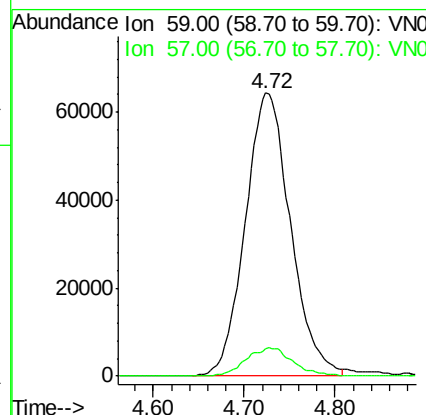
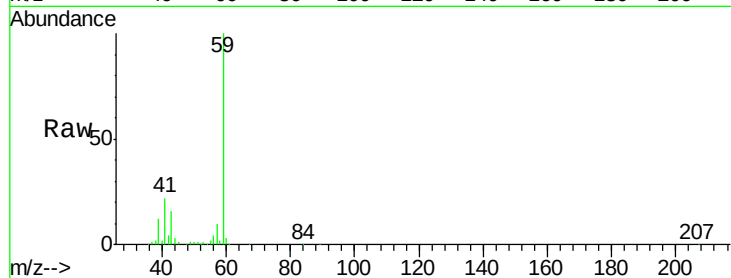
Tert butyl alcohol
Concen: 230.600 ug/l
RT: 4.72 min Scan# 928
Delta R.T. -0.01 min
Lab File: VN063355.D
Acq: 14 Sep 2020 20:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	Resp	222118
Ion Ratio	100	Lower	Upper
57	10.4	8.3	12.5

Manual Integrations
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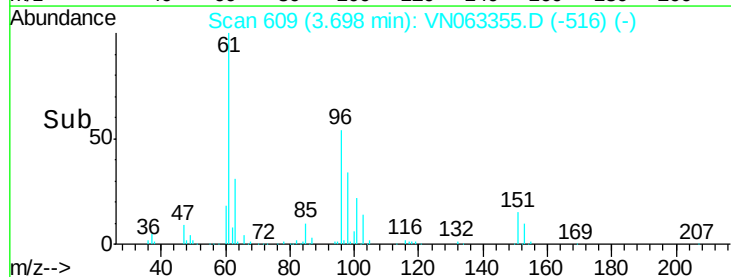
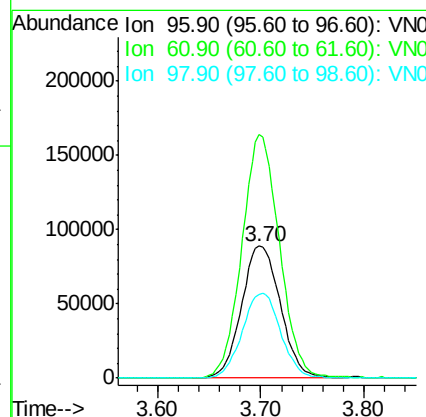
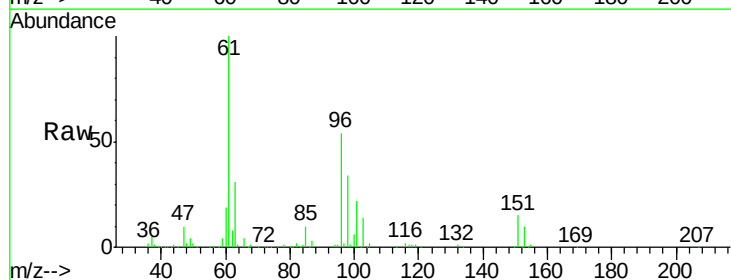
MMDadoda
9/15/2020 1:58:44 PM

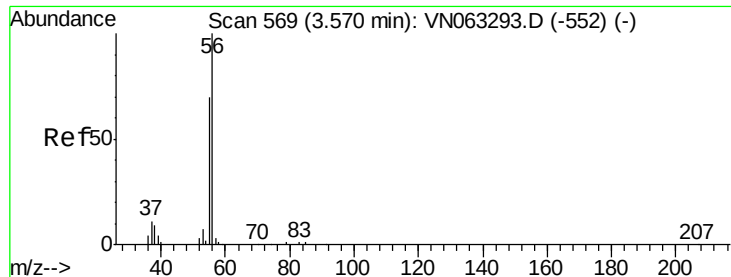


#12

1,1-Dichloroethene
Concen: 45.909 ug/l
RT: 3.70 min Scan# 609
Delta R.T. 0.00 min
Lab File: VN063355.D
Acq: 14 Sep 2020 20:30

Tgt Ion	96	Resp	233277
Ion Ratio	100	Lower	Upper
61	184.9	142.1	213.1
98	63.5	48.8	73.2





#13

Acrolein

Concen: 326.557 ug/l

RT: 3.57 min Scan# 568

Delta R.T. -0.00 min

Lab File: VN063355.D

Acq: 14 Sep 2020 20:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 177468

Ion Ratio Lower Upper

56 100

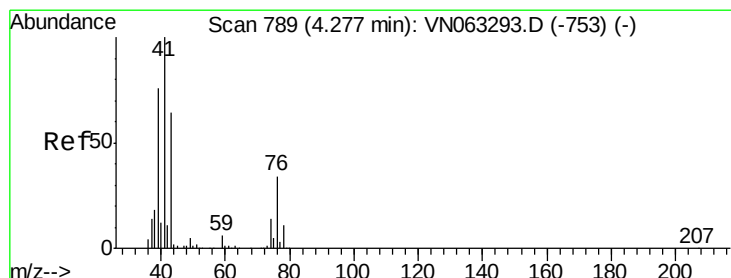
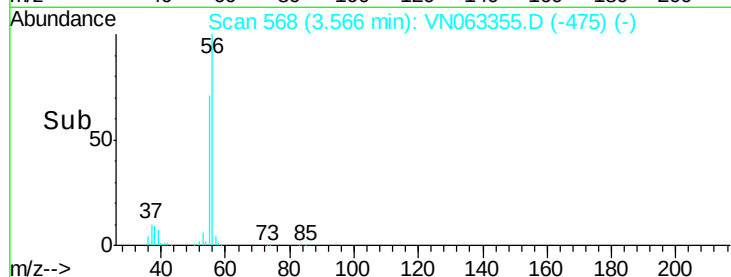
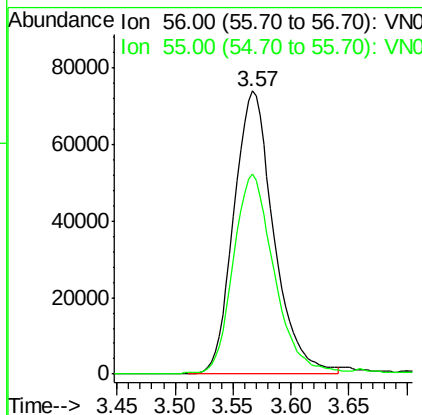
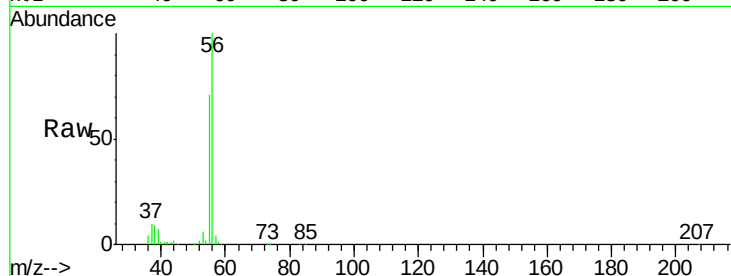
55 70.8 57.2 85.8

Manual Integrations

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#14

Allyl chloride

Concen: 43.535 ug/l

RT: 4.28 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN063355.D

Acq: 14 Sep 2020 20:30

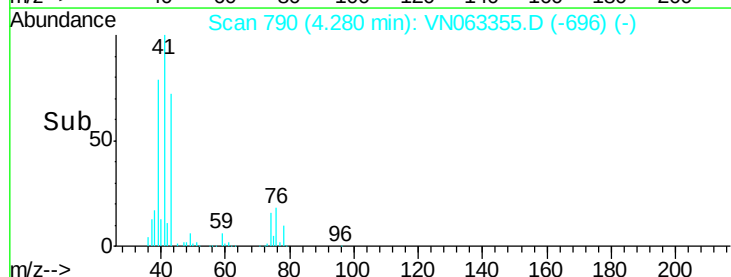
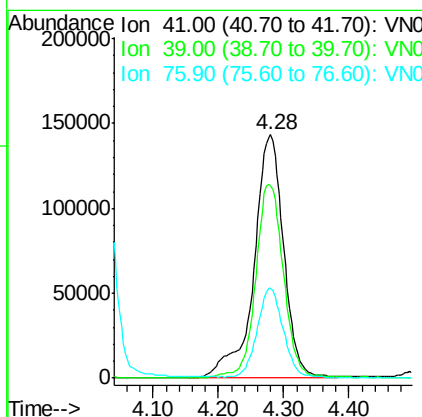
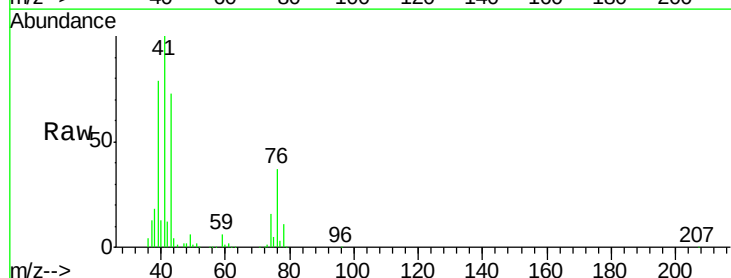
Tgt Ion: 41 Resp: 454121

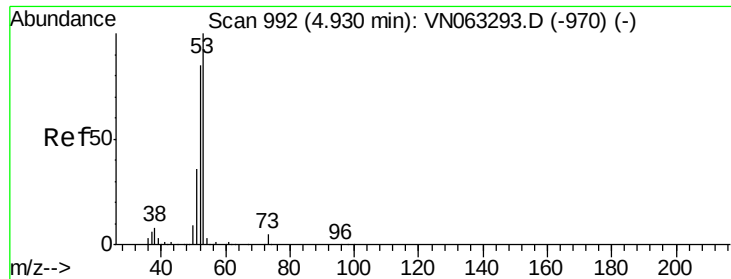
Ion Ratio Lower Upper

41 100

39 74.1 57.4 86.2

76 31.4 25.7 38.5





#15

Acrylonitrile

Concen: 245.326 ug/l

RT: 4.93 min Scan# 992

Delta R.T. -0.00 min

Lab File: VN063355.D

Acq: 14 Sep 2020 20:30

Instrument :

MSVOA_N

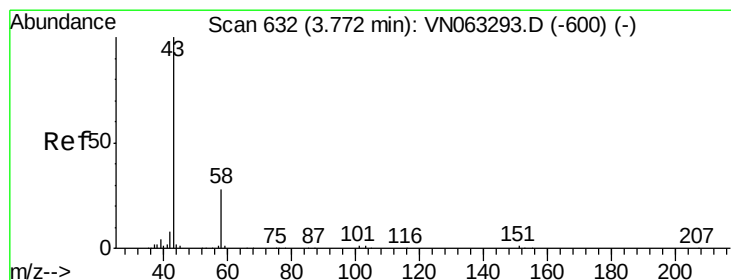
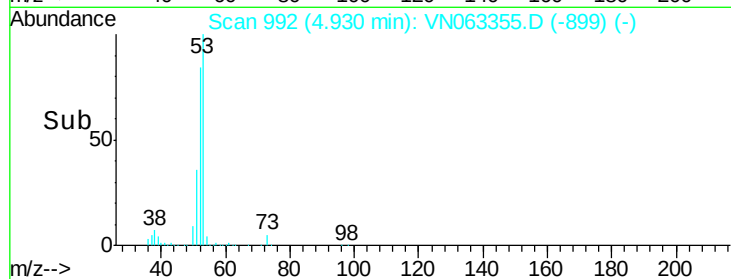
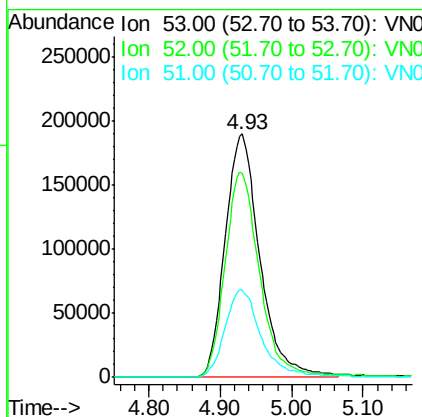
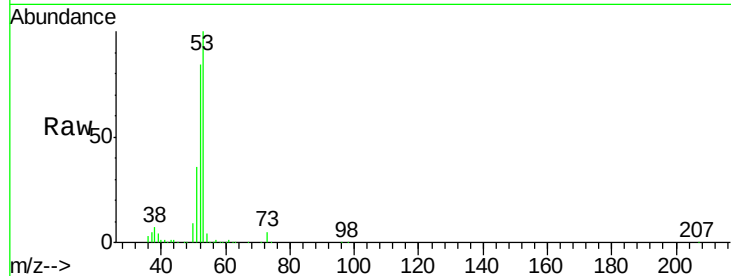
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	646087
Ion	Ratio	Lower	Upper
53	100		
52	82.5	66.5	99.7
51	37.4	29.8	44.6

Manual Integrations
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#16

Acetone

Concen: 224.617 ug/l

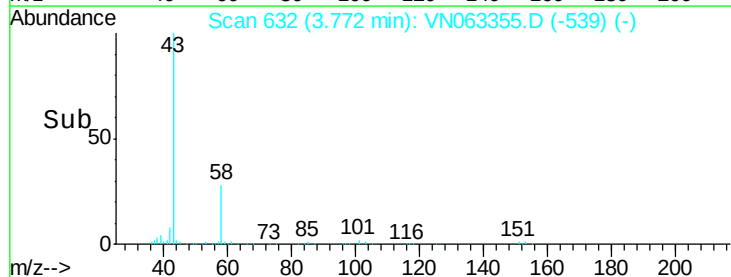
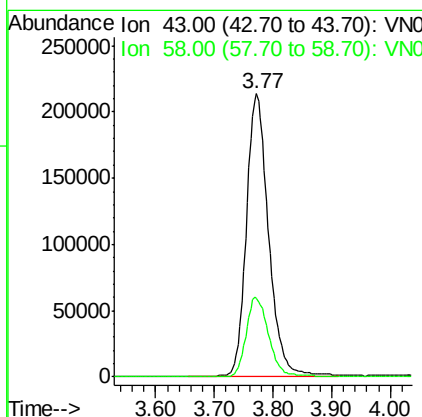
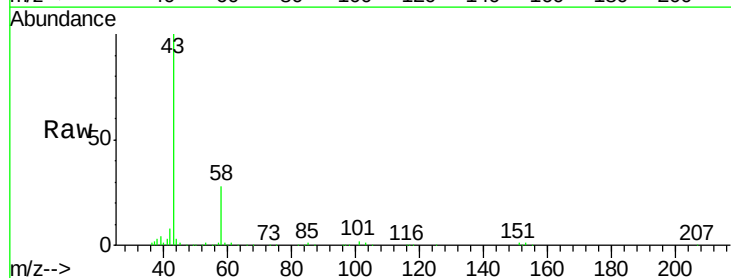
RT: 3.77 min Scan# 632

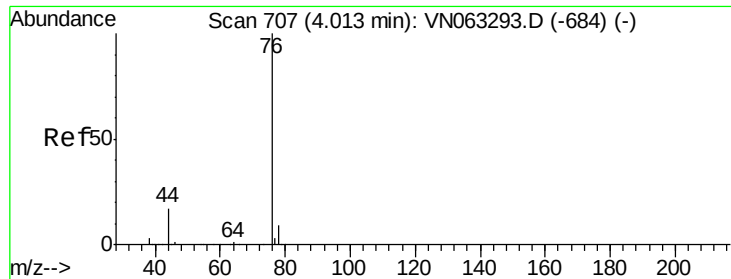
Delta R.T. -0.00 min

Lab File: VN063355.D

Acq: 14 Sep 2020 20:30

Tgt Ion:	43	Resp:	565058
Ion	Ratio	Lower	Upper
43	100		
58	27.6	22.6	34.0





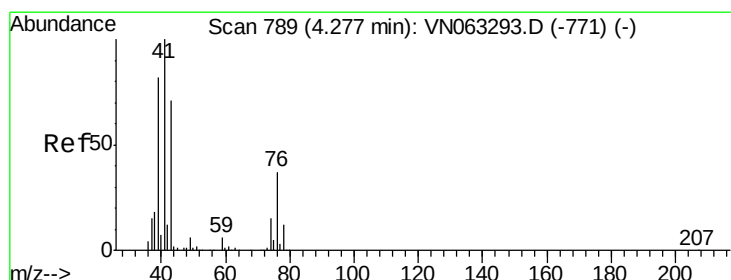
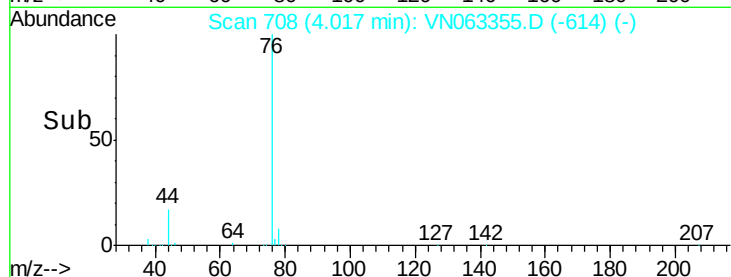
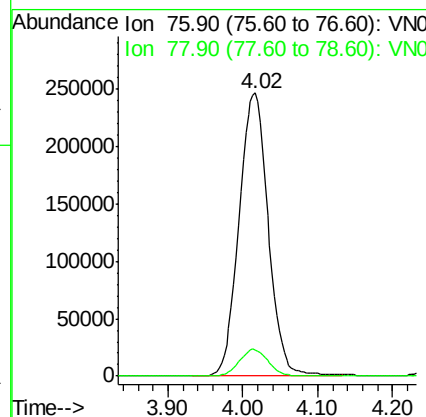
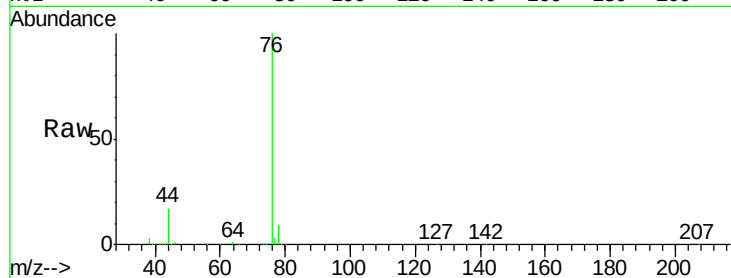
#17
Carbon Disulfide
Concen: 46.585 ug/l
RT: 4.02 min Scan# 708
Delta R.T. 0.00 min
Lab File: VN063355.D
Acq: 14 Sep 2020 20:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 76 Resp: 670691
Ion Ratio Lower Upper
76 100
78 9.3 7.2 10.8

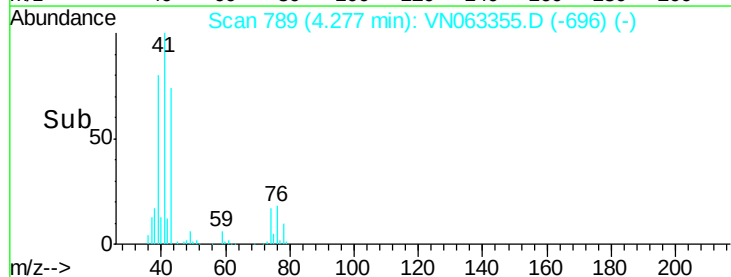
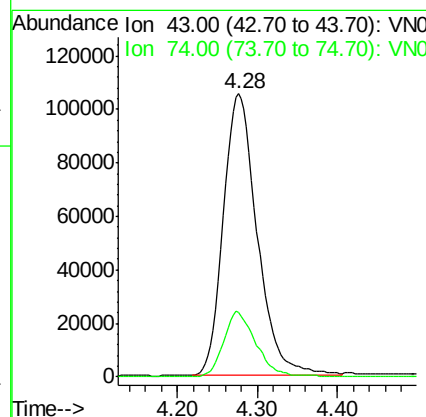
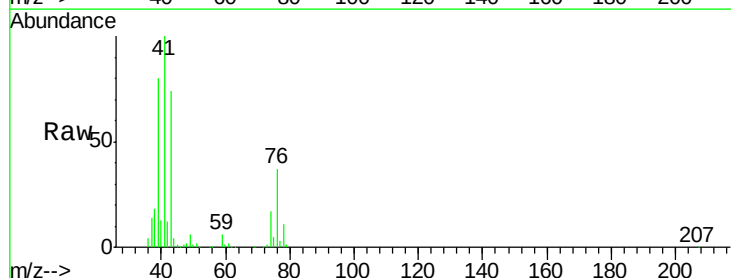
Manual Integrations
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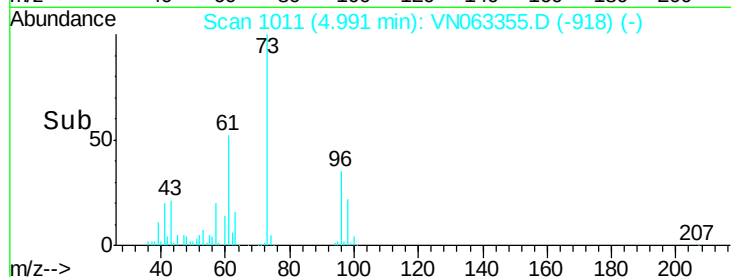
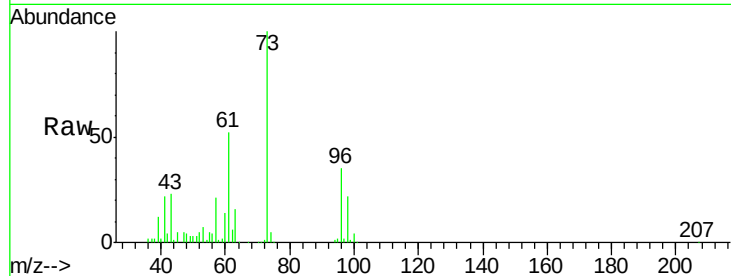
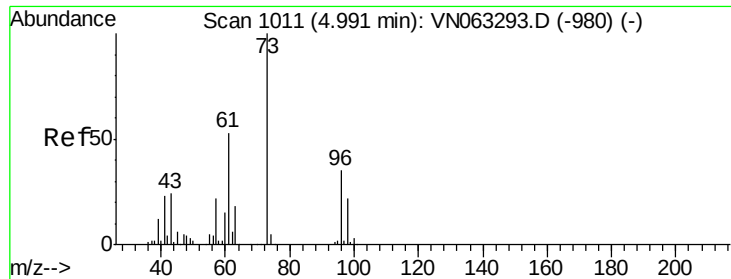
MMDadoda
9/15/2020 1:58:44 PM



#18
Methyl Acetate
Concen: 48.220 ug/l
RT: 4.28 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN063355.D
Acq: 14 Sep 2020 20:30

Tgt Ion: 43 Resp: 304938
Ion Ratio Lower Upper
43 100
74 22.4 17.8 26.6





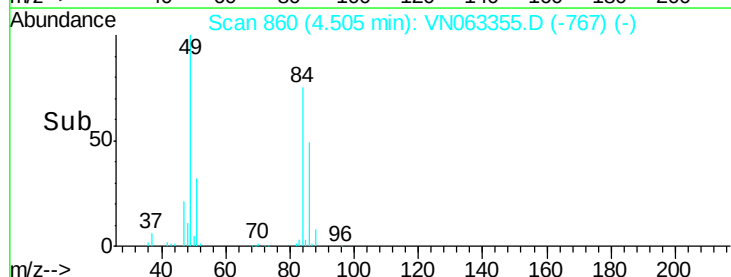
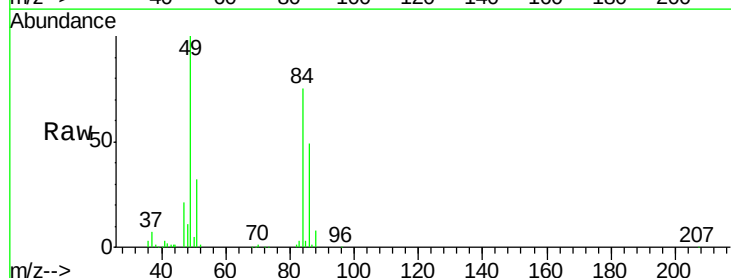
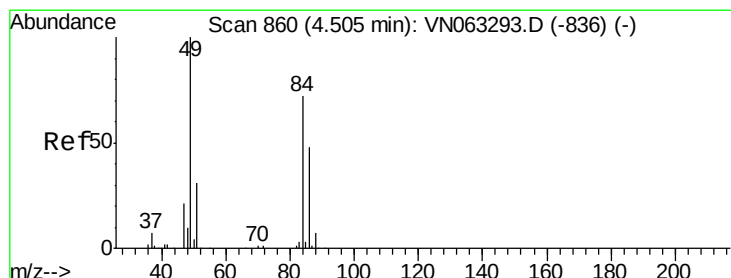
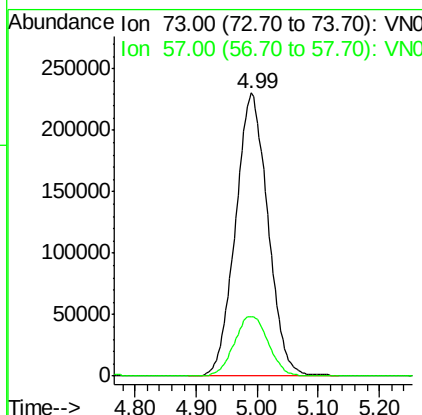
#19
Methyl tert-butyl Ether
Concen: 46.816 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VN063355.D
Acq: 14 Sep 2020 20:30

Tot Ion: 73 Resp: 850047
Ion Ratio Lower Upper
73 100
57 20.9 17.5 26.3

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

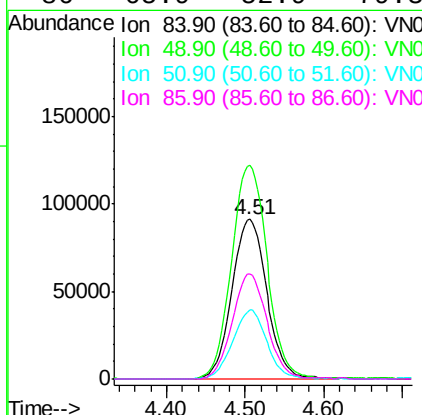
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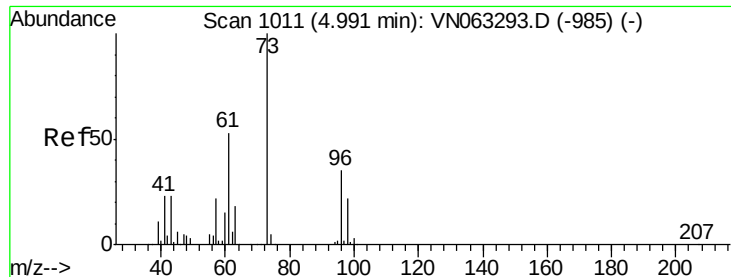
MMDadoda
9/15/2020 1:58:44 PM



#20
Methylene Chloride
Concen: 49.553 ug/l
RT: 4.51 min Scan# 860
Delta R.T. 0.00 min
Lab File: VN063355.D
Acq: 14 Sep 2020 20:30

Tgt Ion: 84 Resp: 283877
Ion Ratio Lower Upper
84 100
49 133.6 111.1 166.7
51 43.1 34.3 51.5
86 65.9 52.9 79.3





#21

trans-1,2-Dichloroethene

Concen: 45.846 ug/l

RT: 4.99 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VN063355.D

Acq: 14 Sep 2020 20:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 260699

Ion Ratio Lower Upper

96 100

61 148.5 121.8 182.8

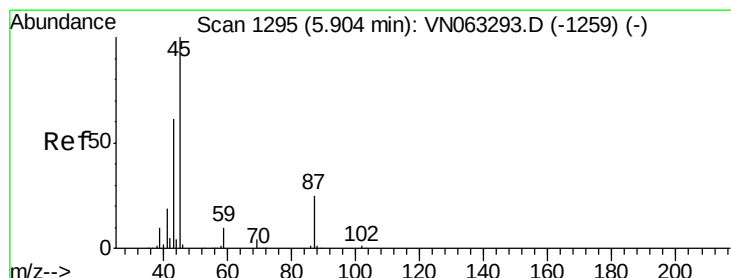
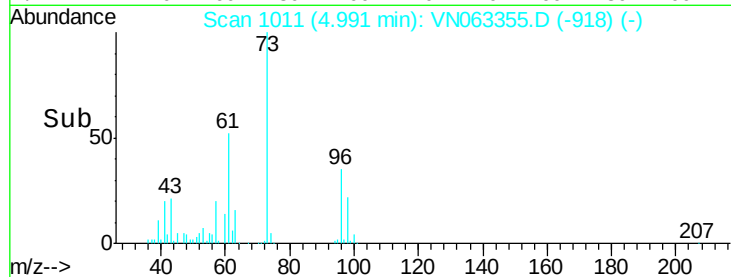
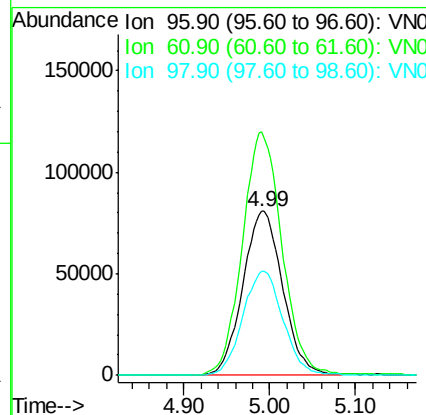
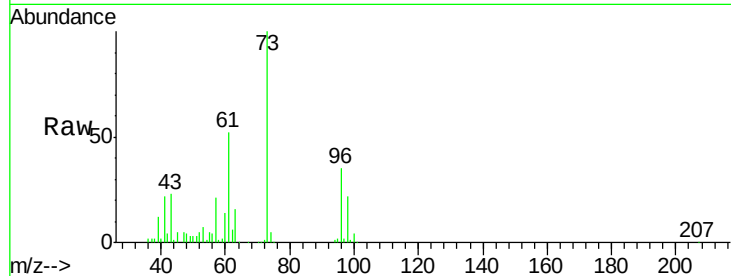
98 63.7 51.2 76.8

Manual Integrations

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#22

Diisopropyl ether

Concen: 47.463 ug/l

RT: 5.90 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VN063355.D

Acq: 14 Sep 2020 20:30

Tgt Ion: 45 Resp: 974323

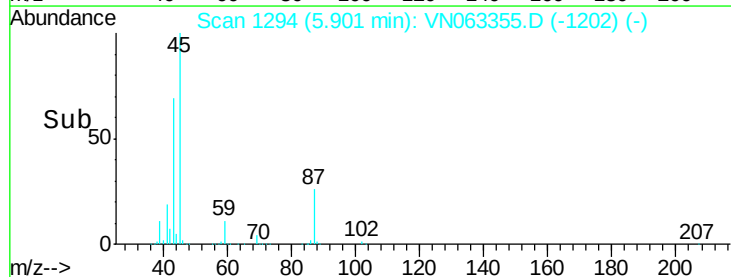
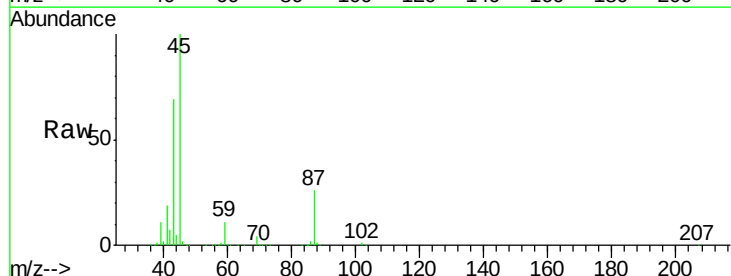
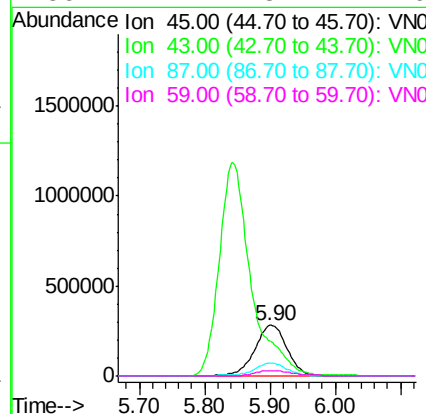
Ion Ratio Lower Upper

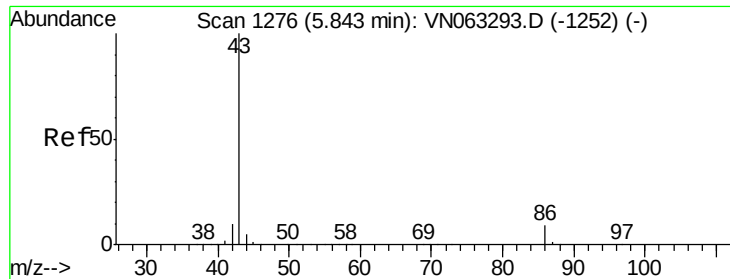
45 100

43 68.2 50.3 75.5

87 25.5 20.7 31.1

59 11.1 8.4 12.6





#23

Vinyl Acetate

Concen: 250.602 ug/l

RT: 5.84 min Scan# 1276

Delta R.T. -0.00 min

Lab File: VN063355.D

Acq: 14 Sep 2020 20:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 4049268

Ion Ratio Lower Upper

43 100

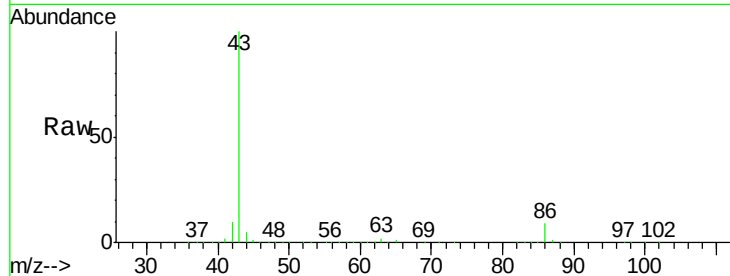
86 9.2 7.2 10.8

Manual Integrations

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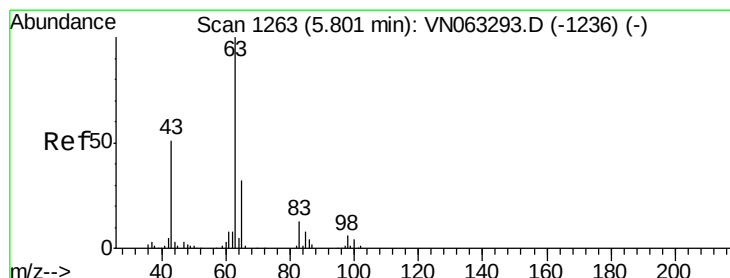
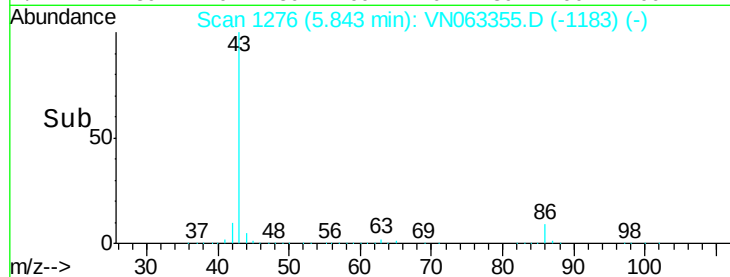
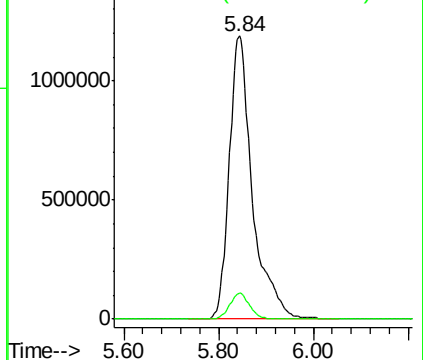
MMDadoda

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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: 46.948 ug/l

RT: 5.80 min Scan# 1263

Delta R.T. -0.00 min

Lab File: VN063355.D

Acq: 14 Sep 2020 20:30

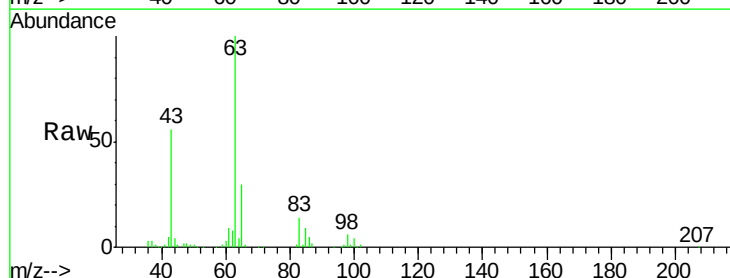
Tgt Ion: 63 Resp: 521913

Ion Ratio Lower Upper

63 100

98 5.7 3.1 9.3

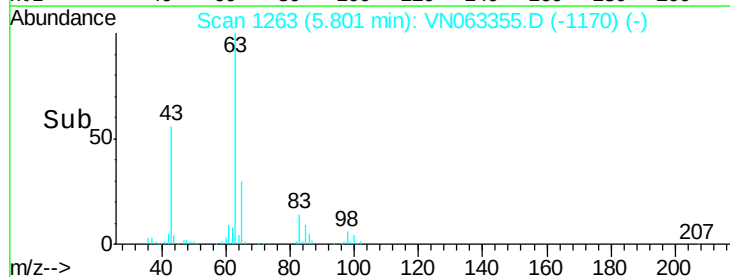
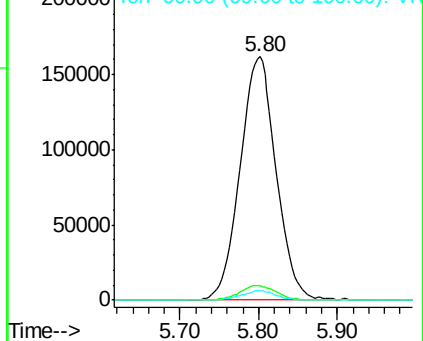
100 4.1 2.0 6.0

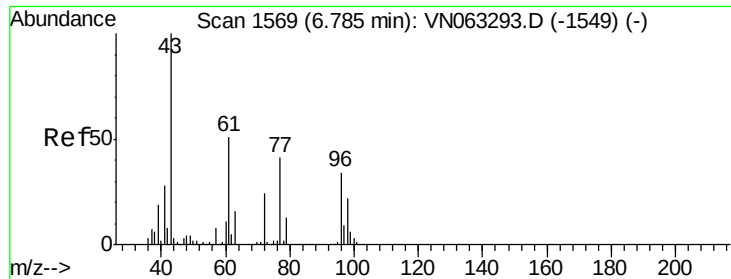


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





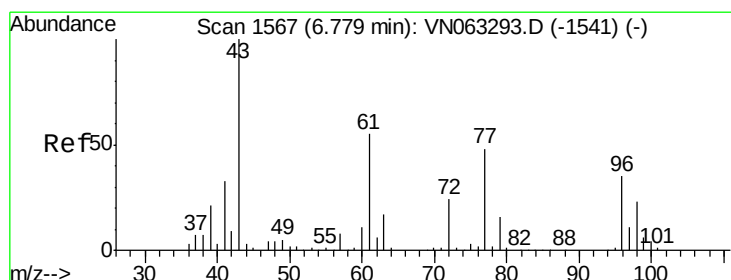
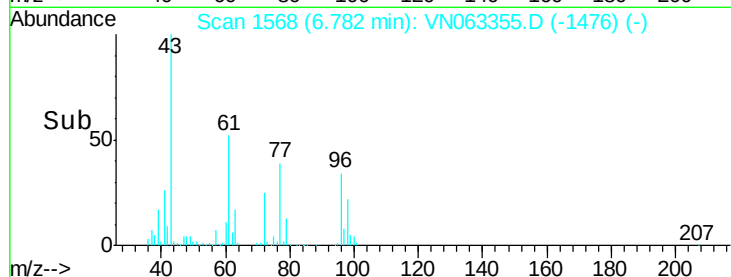
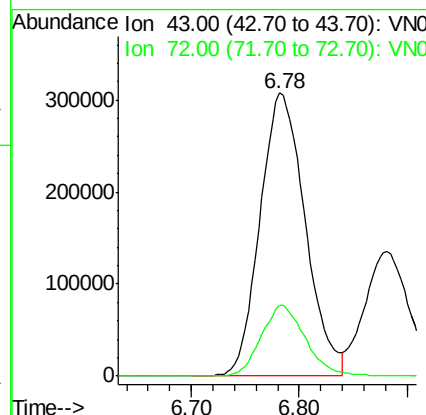
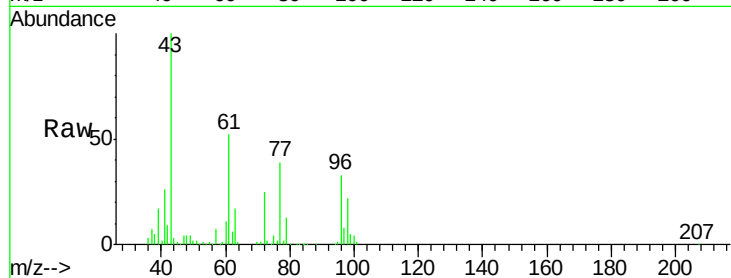
#25
2-Butanone
Concen: 239.910 ug/l
RT: 6.78 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VN063355.D
Acq: 14 Sep 2020 20:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 891521
Ion Ratio Lower Upper
43 100
72 24.9 19.4 29.2

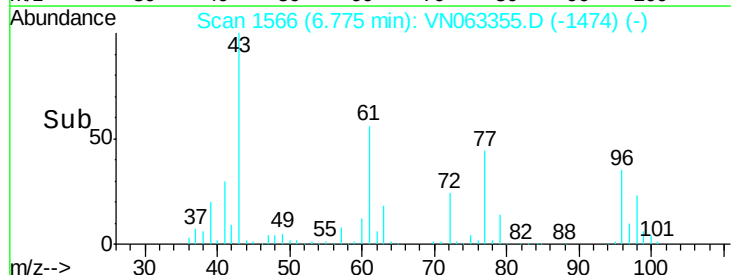
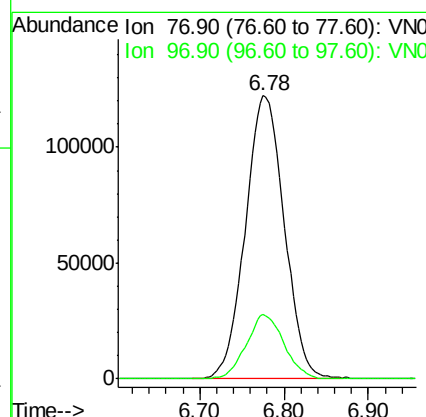
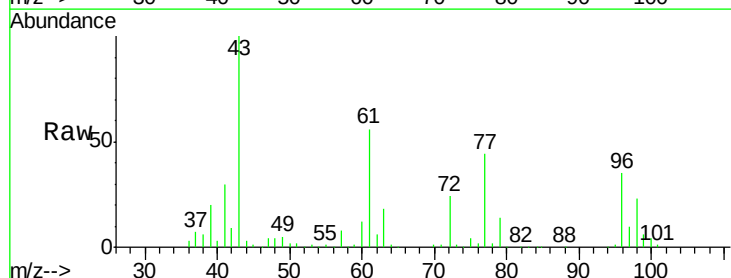
Manual Integrations
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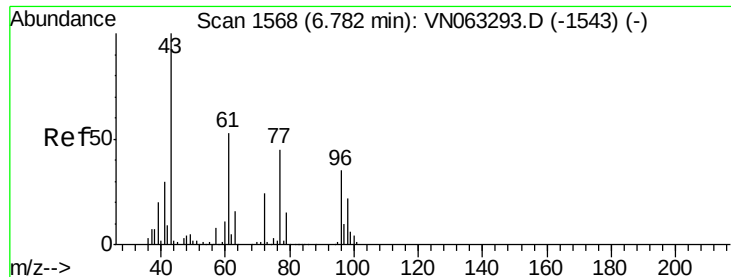
MMDadoda
9/15/2020 1:58:44 PM



#26
2,2-Dichloropropane
Concen: 40.190 ug/l
RT: 6.78 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VN063355.D
Acq: 14 Sep 2020 20:30

Tgt Ion: 77 Resp: 391603
Ion Ratio Lower Upper
77 100
97 22.0 10.9 32.6





#27

cis-1,2-Dichloroethene

Concen: 45.873 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VN063355.D

Acq: 14 Sep 2020 20:30

Instrument :

MSVOA_N

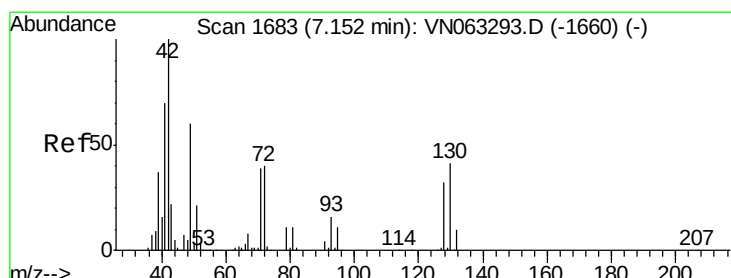
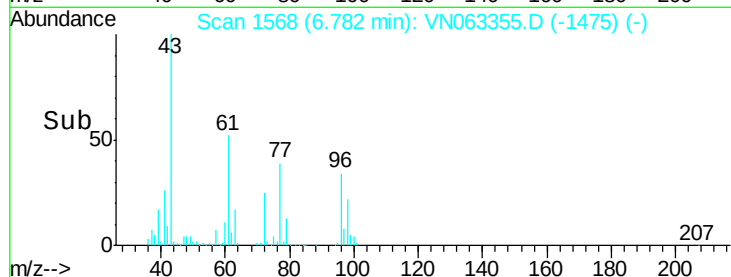
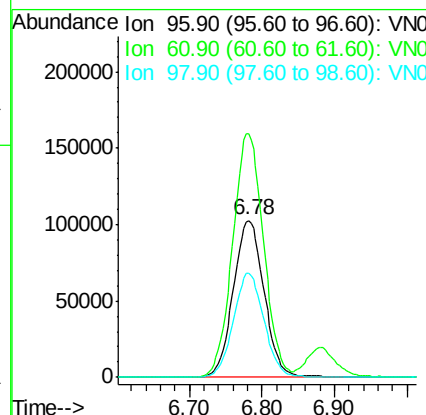
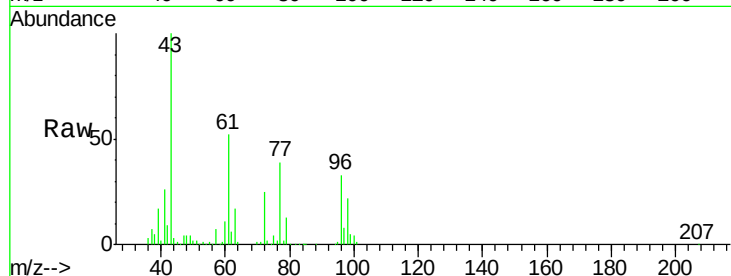
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	304012
Ion	Ratio	Lower	Upper
96	100		
61	155.4	0.0	322.8
98	65.6	0.0	132.2

Manual Integrations
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9/15/2020 1:58:44 PM



#28

Bromochloromethane

Concen: 46.102 ug/l

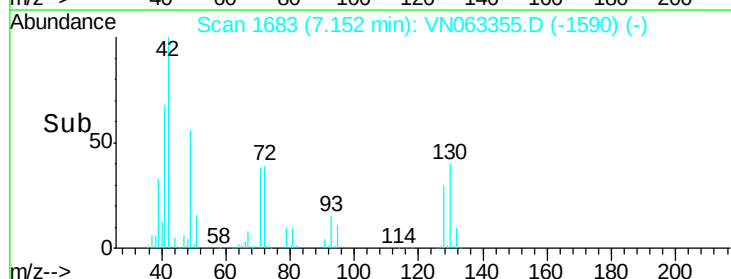
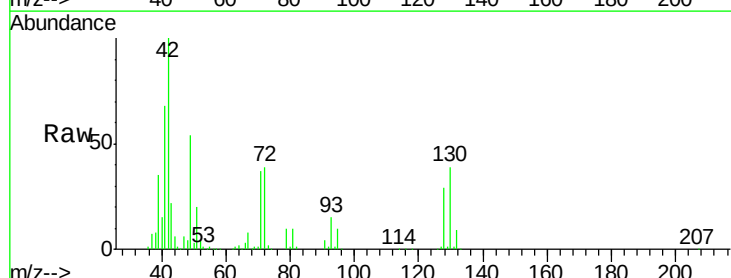
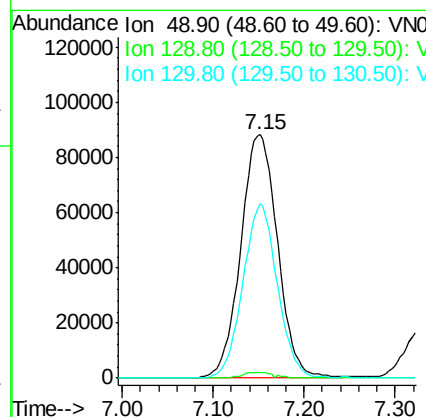
RT: 7.15 min Scan# 1683

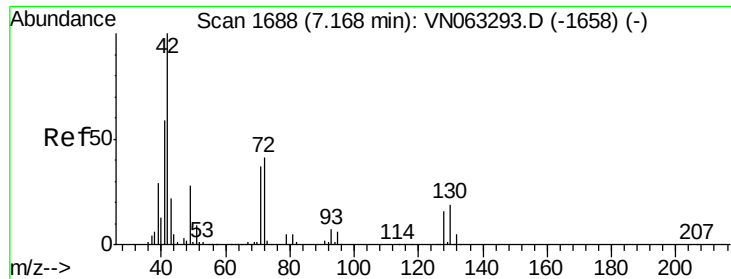
Delta R.T. -0.00 min

Lab File: VN063355.D

Acq: 14 Sep 2020 20:30

Tgt Ion:	49	Resp:	248521
Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.4
130	66.7	53.1	79.7





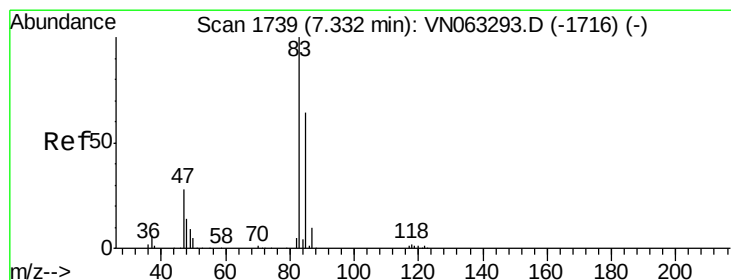
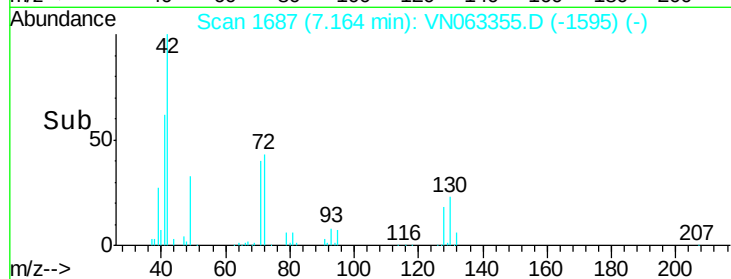
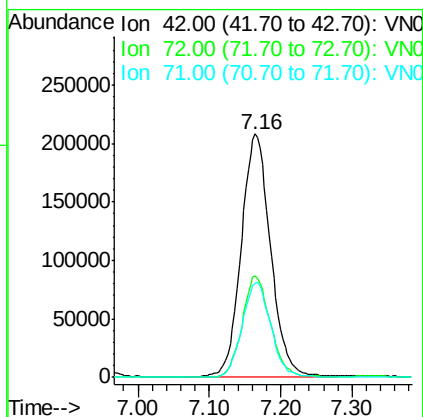
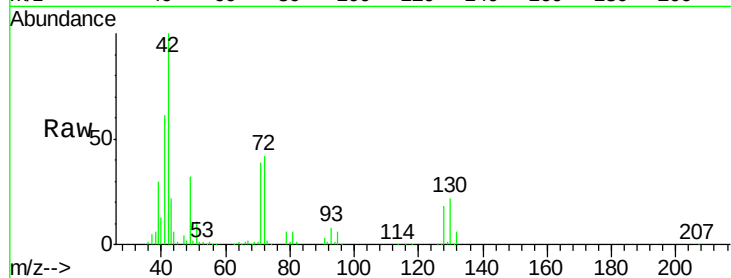
#29
Tetrahydrofuran
Concen: 245.654 ug/l
RT: 7.16 min Scan# 1687
Delta R.T. -0.00 min
Lab File: VN063355.D
Acq: 14 Sep 2020 20:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.1	31.4	47.2
71	38.2	30.0	45.0

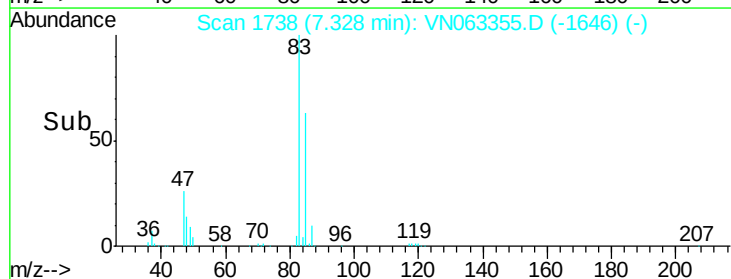
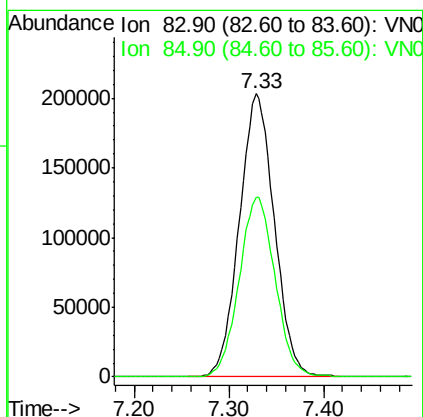
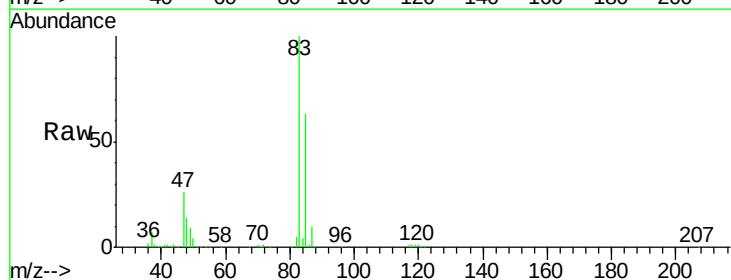
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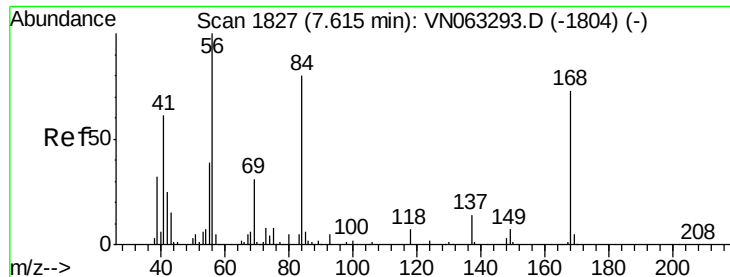
MMDadoda
9/15/2020 1:58:44 PM



#30
Chloroform
Concen: 47.001 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN063355.D
Acq: 14 Sep 2020 20:30

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.2	76.8





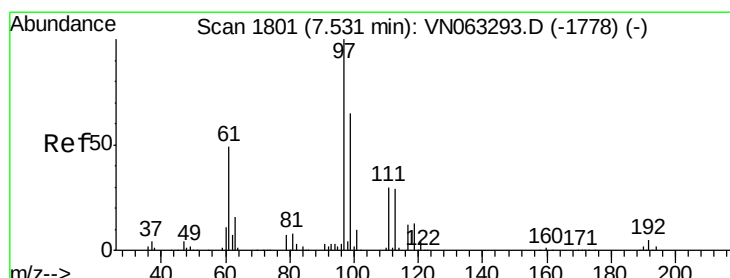
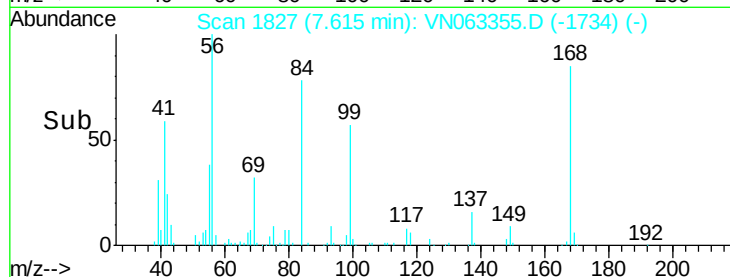
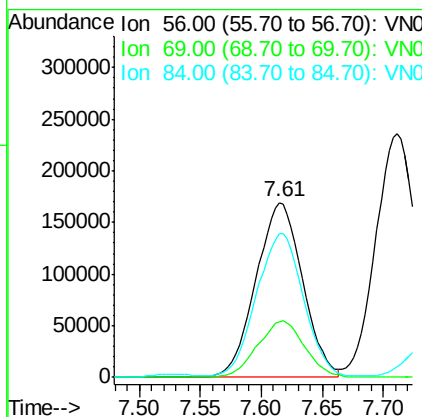
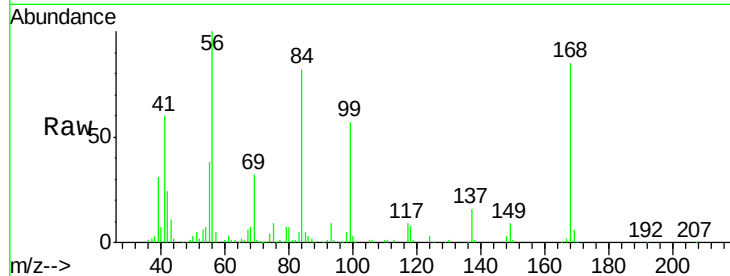
#31
Cyclohexane
Concen: 43.986 ug/l
RT: 7.61 min Scan# 1827
Delta R.T. -0.00 min
Lab File: VN063355.D
Acq: 14 Sep 2020 20:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.0	25.1	37.7
84	80.3	64.2	96.2

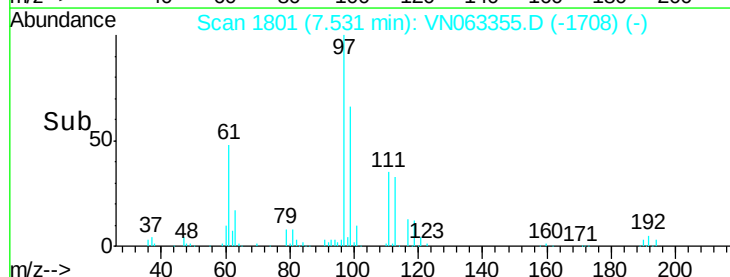
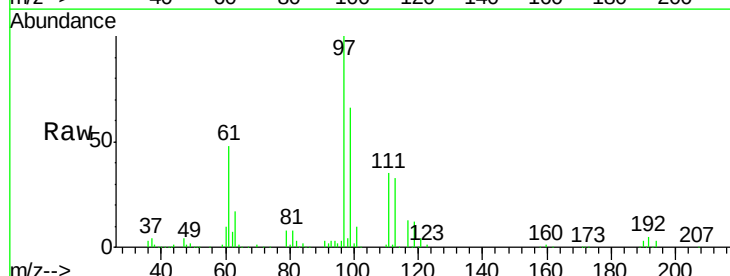
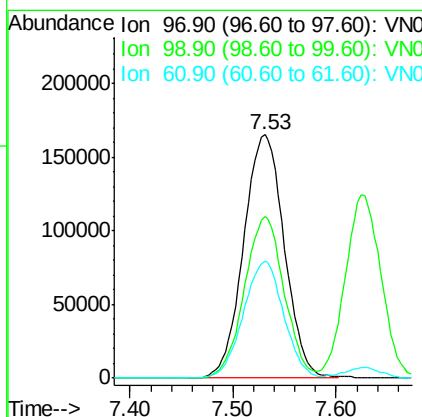
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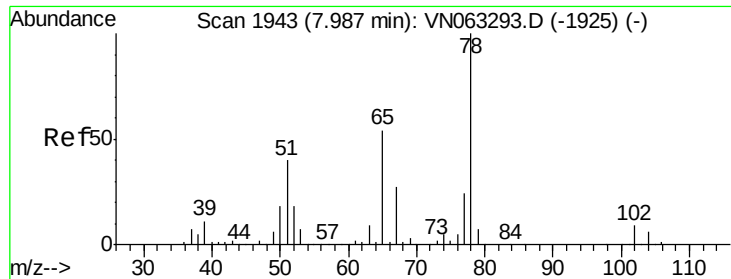
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 46.584 ug/l
RT: 7.53 min Scan# 1801
Delta R.T. -0.00 min
Lab File: VN063355.D
Acq: 14 Sep 2020 20:30

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.4	77.2
61	47.5	38.9	58.3





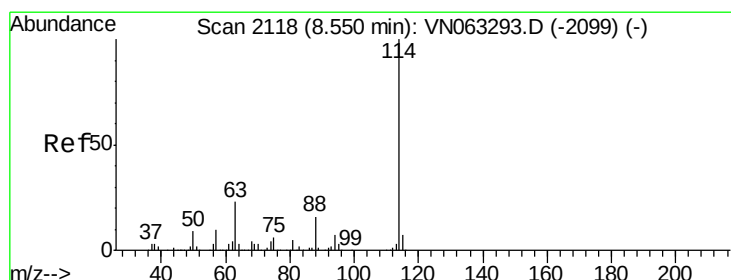
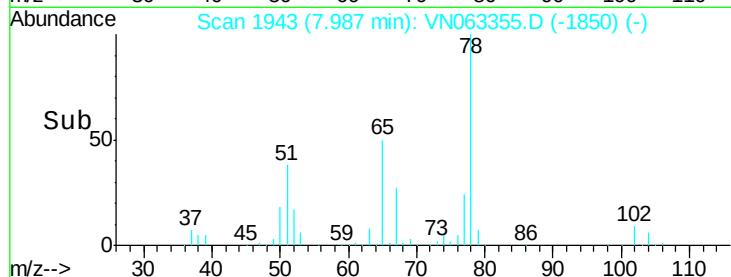
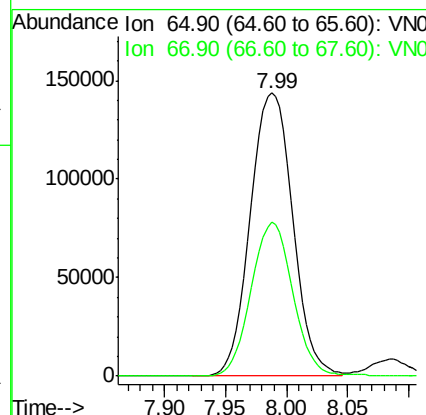
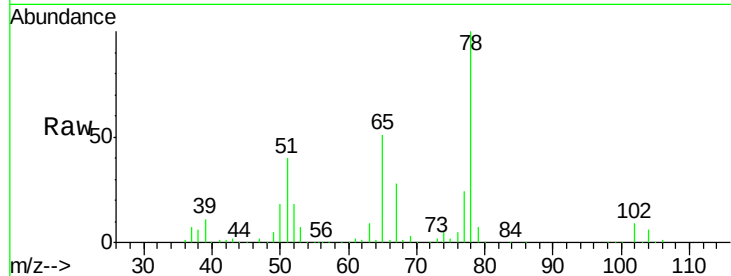
#33
 1,2-Dichloroethane-d4
 Concen: 47.620 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN063355.D
 Acq: 14 Sep 2020 20:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	346924		
67	53.2	0.0	104.6	

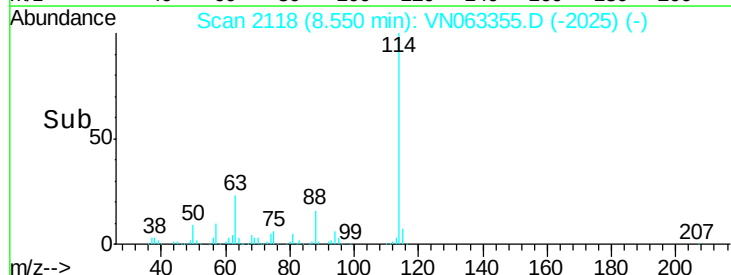
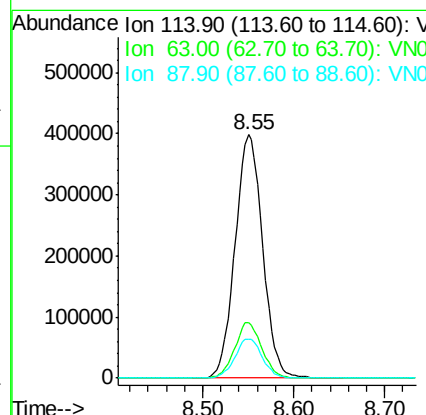
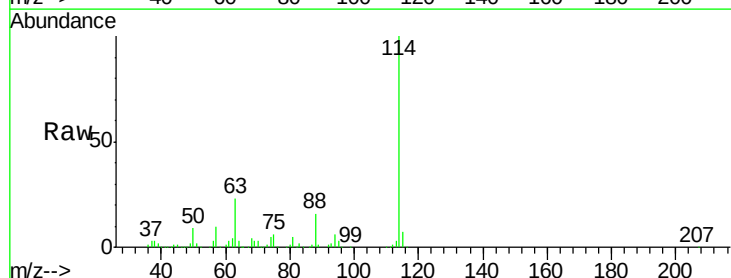
Manual Integrations
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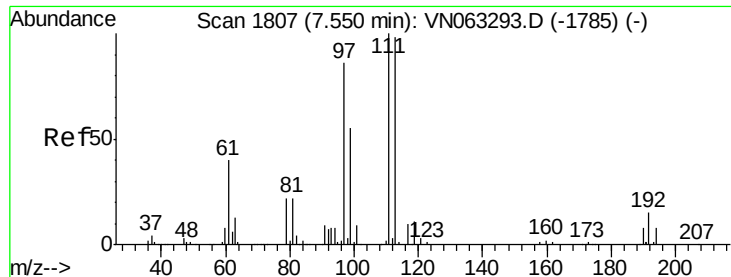
MMDadoda
 9/15/2020 1:58:44 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN063355.D
 Acq: 14 Sep 2020 20:30

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	836898		
63	22.9	0.0	46.0	
88	16.0	0.0	32.8	





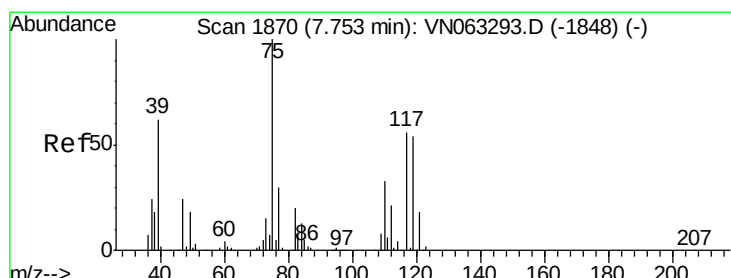
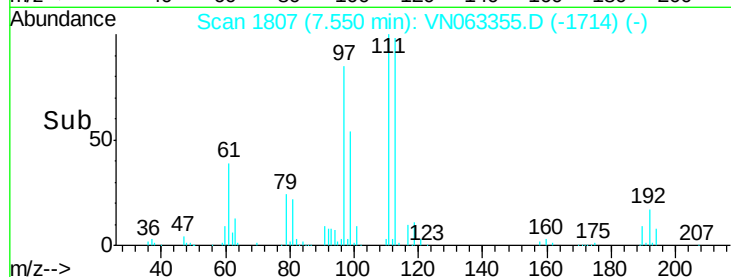
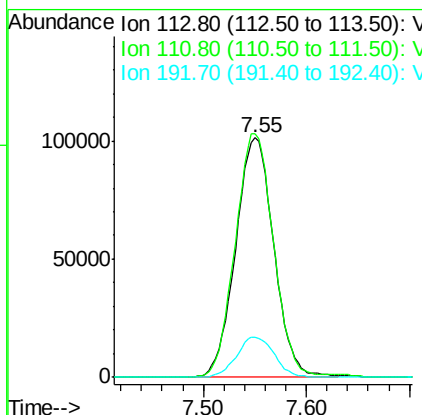
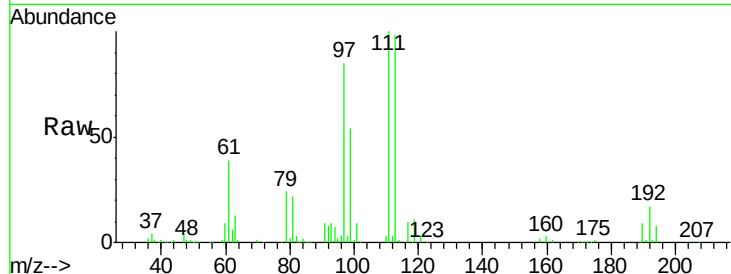
#35
 Dibromofluoromethane
 Concen: 48.403 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. -0.00 min
 Lab File: VN063355.D
 Acq: 14 Sep 2020 20:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	261328		
111	101.7	82.2	123.2	
192	16.6	12.9	19.3	

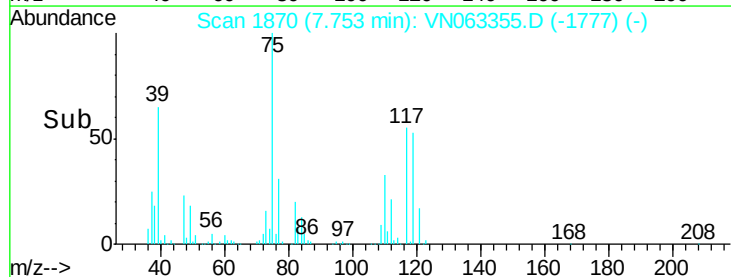
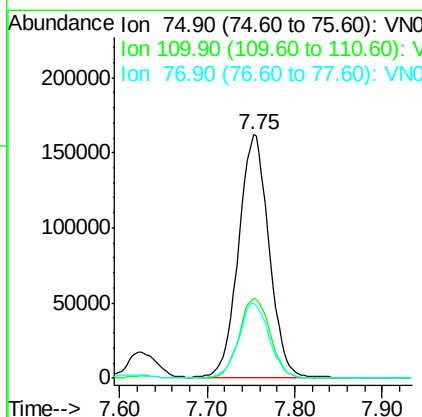
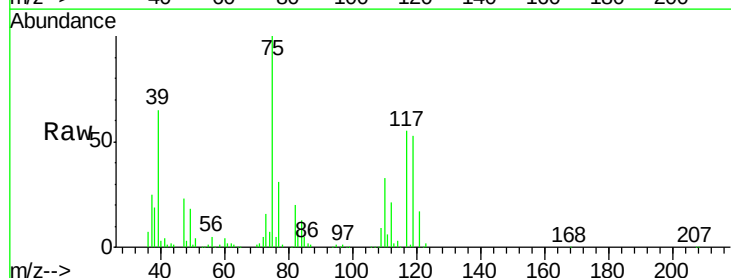
Manual Integrations
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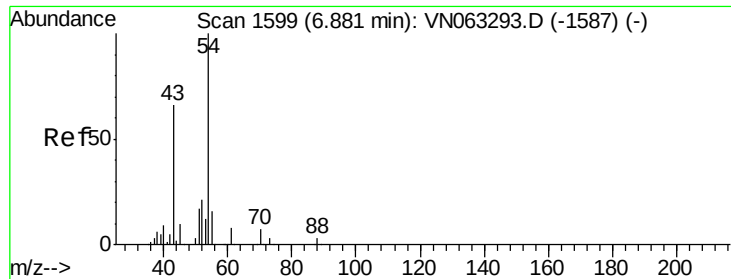
MMDadoda
 9/15/2020 1:58:44 PM



#36
 1,1-Dichloropropene
 Concen: 45.481 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. 0.00 min
 Lab File: VN063355.D
 Acq: 14 Sep 2020 20:30

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	391248		
110	33.4	16.4	49.4	
77	31.0	24.8	37.2	





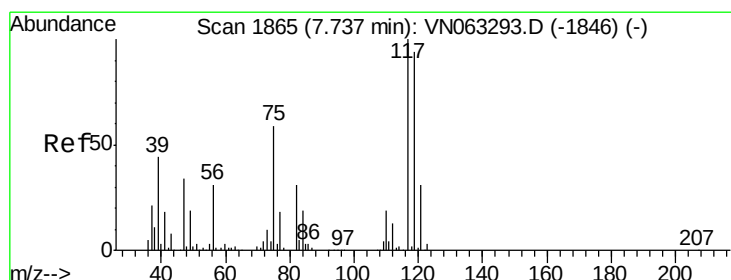
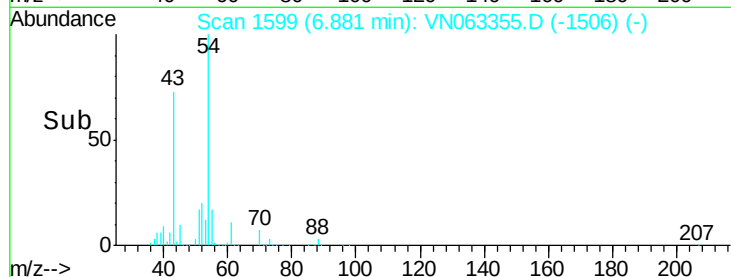
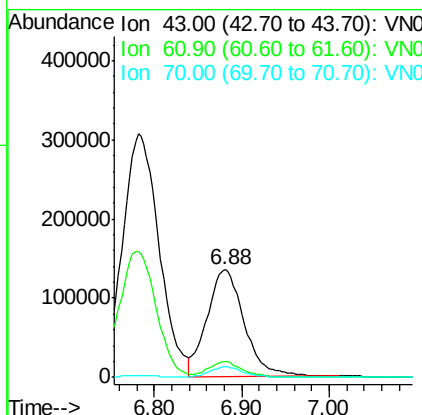
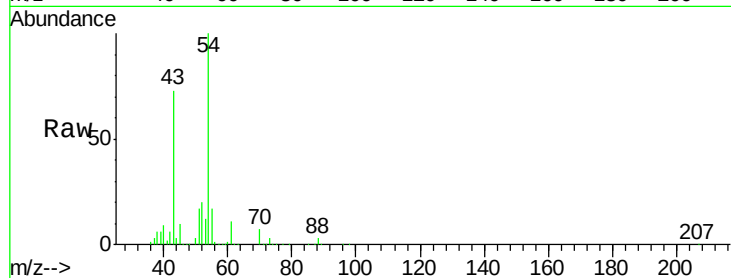
#37
Ethyl Acetate
Concen: 47.222 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VN063355.D
Acq: 14 Sep 2020 20:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.1	15.1
70	8.6	7.4	11.2

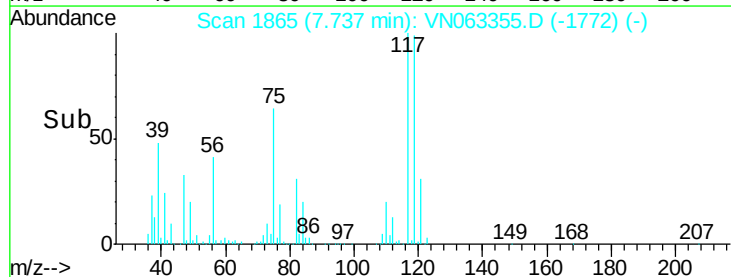
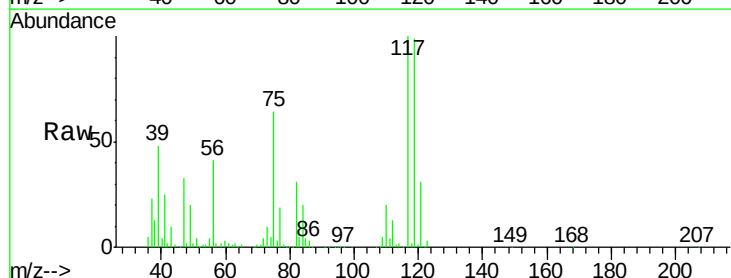
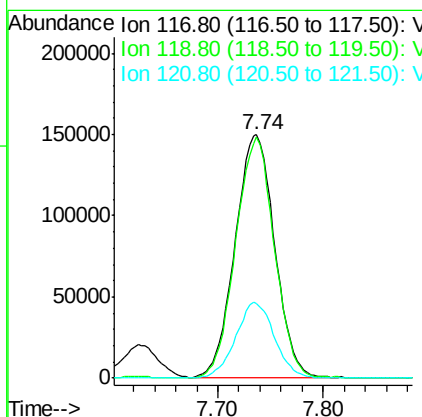
Manual Integrations
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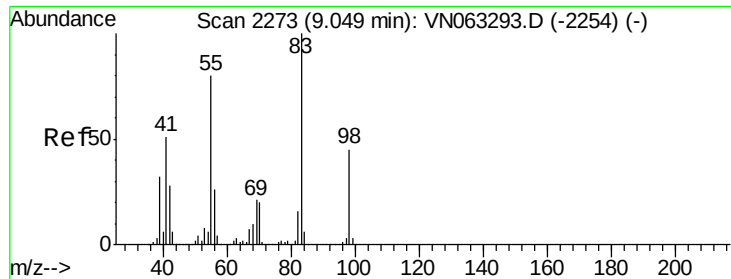
MMDadoda
9/15/2020 1:58:44 PM



#38
Carbon Tetrachloride
Concen: 45.935 ug/l
RT: 7.74 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN063355.D
Acq: 14 Sep 2020 20:30

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.1	75.3	112.9
121	30.8	24.6	37.0





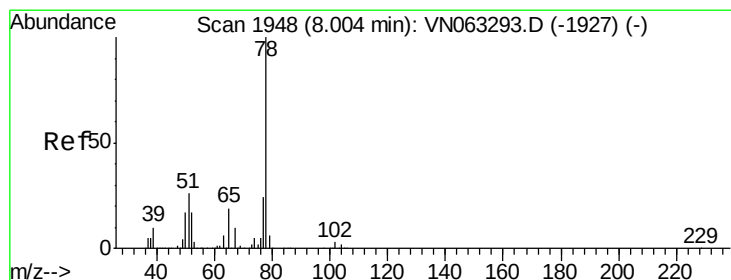
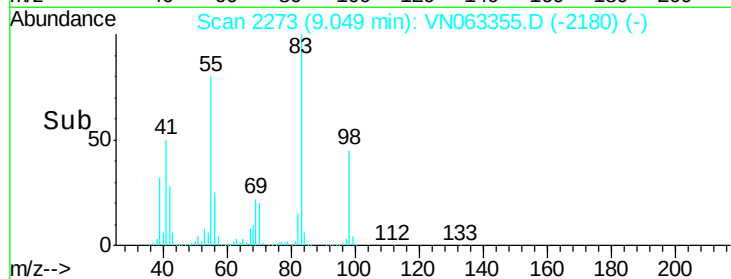
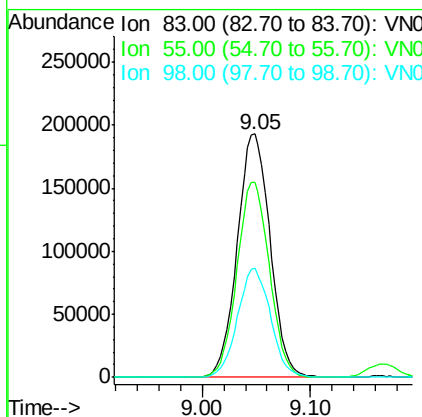
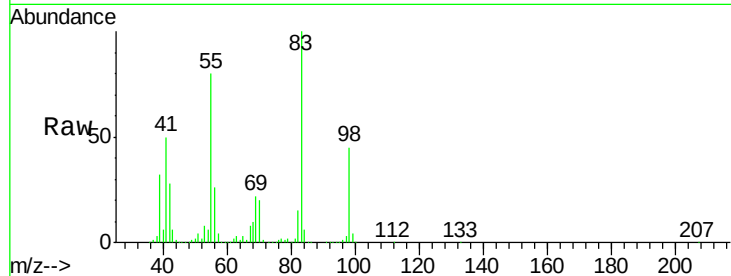
#39
Methylvlcyclohexane
Concen: 43.696 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN063355.D
Acq: 14 Sep 2020 20:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	410069
Ion Ratio	Lower	Upper	
83	100		
55	80.1	64.0	96.0
98	44.7	36.4	54.6

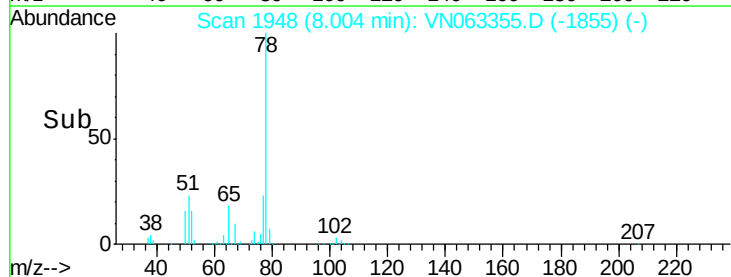
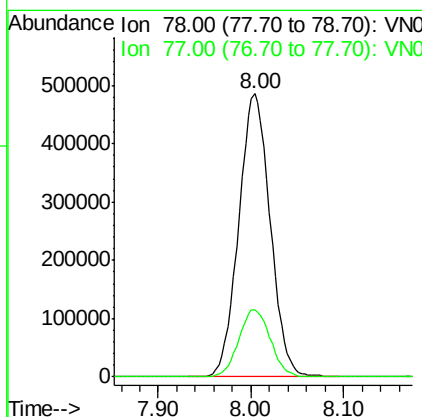
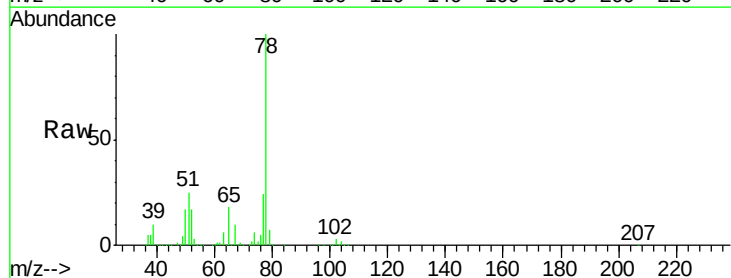
Manual Integrations
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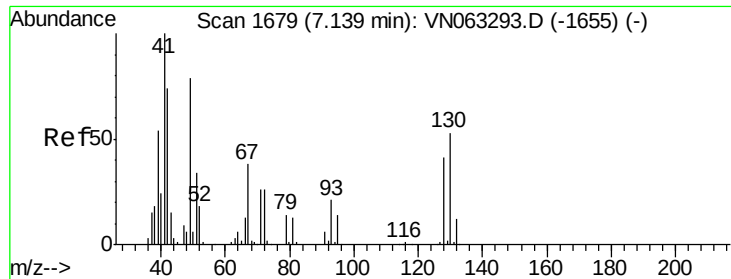
MMDadoda
9/15/2020 1:58:44 PM



#40
Benzene
Concen: 46.489 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. -0.00 min
Lab File: VN063355.D
Acq: 14 Sep 2020 20:30

Tgt Ion	78	Resp	1142237
Ion Ratio	Lower	Upper	
78	100		
77	23.7	18.8	28.2





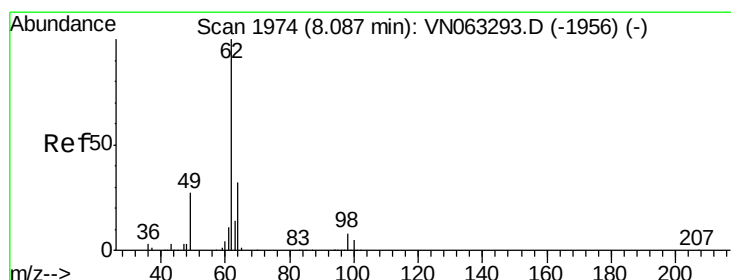
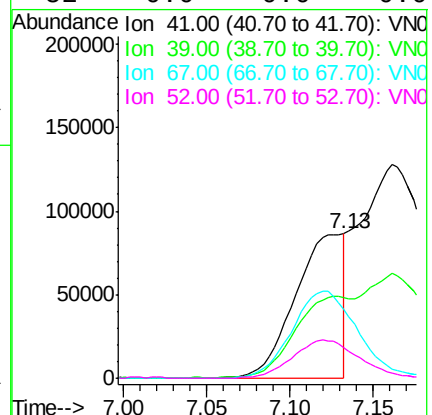
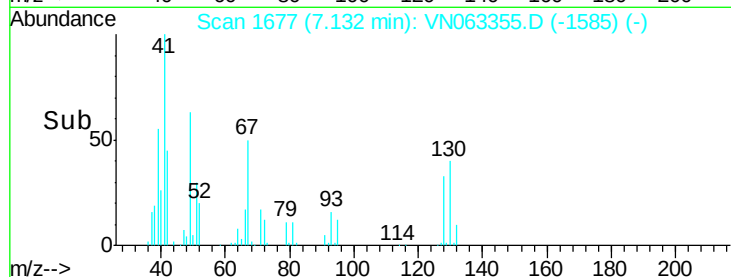
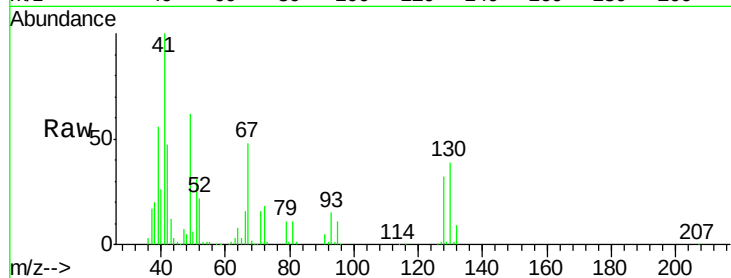
#41
Methacrylonitrile
Concen: 46.126 ug/l m
RT: 7.13 min Scan# 1677
Delta R.T. -0.01 min
Lab File: VN063355.D
Acq: 14 Sep 2020 20:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
41	100	176574		
39	0.0	0.0	0.0	0.0
67	0.0	0.0	0.0	0.0
52	0.0	0.0	0.0	0.0

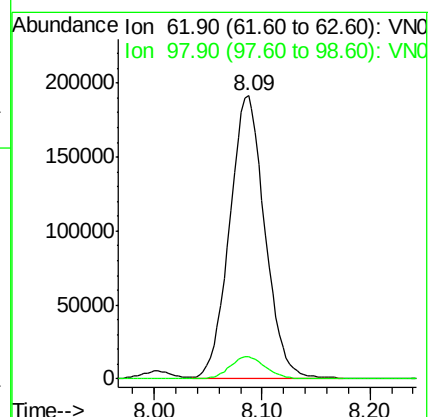
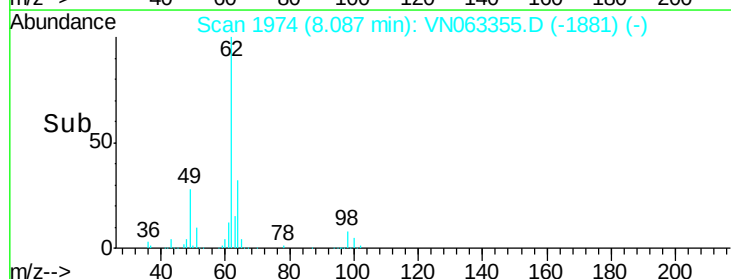
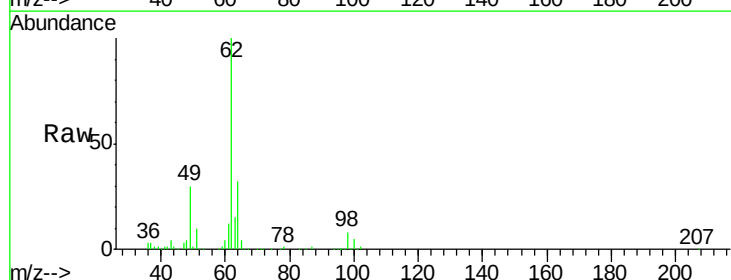
Manual Integrations
APPROVED

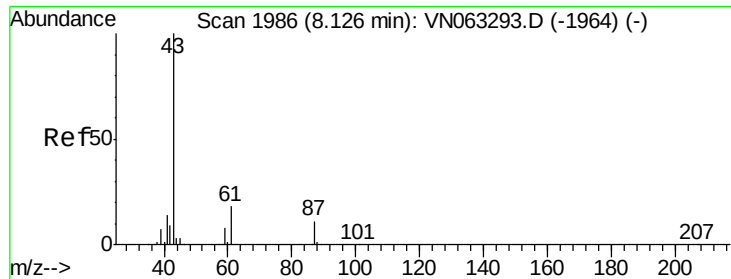
MMDadoda
9/15/2020 1:58:44 PM



#42
1,2-Dichloroethane
Concen: 46.549 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. -0.00 min
Lab File: VN063355.D
Acq: 14 Sep 2020 20:30

Tgt Ion	Ratio	Resp	Lower	Upper
62	100	433929		
98	8.0	0.0	0.0	15.4





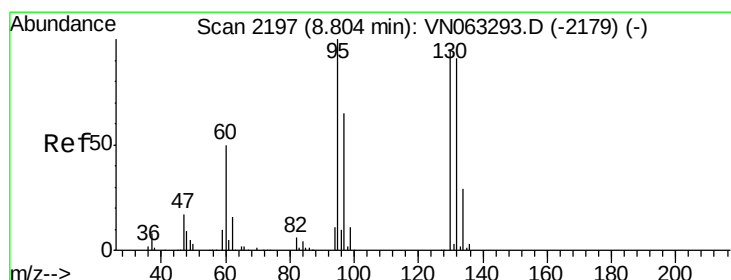
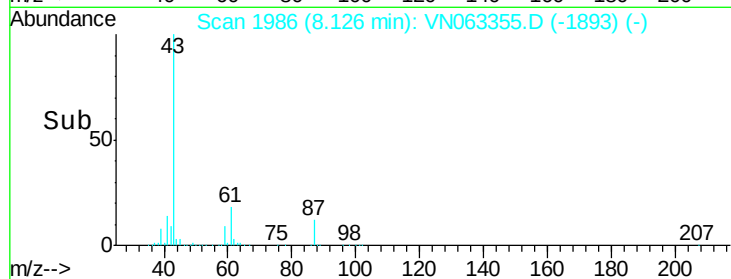
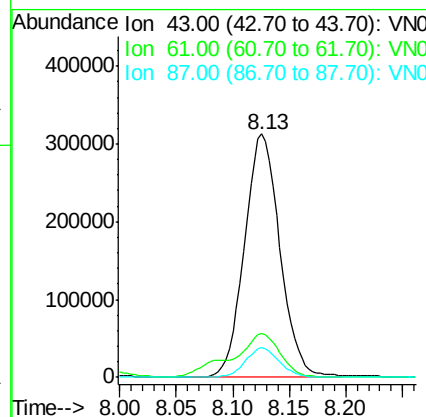
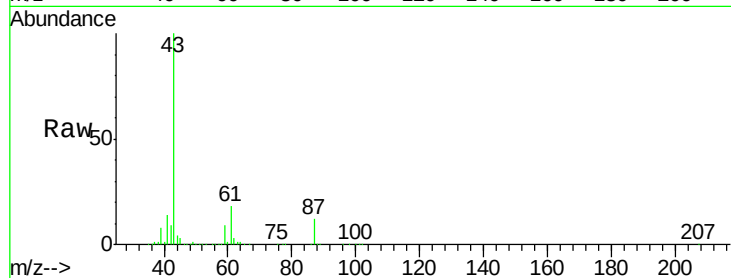
#43
Isopropyl Acetate
Concen: 47.416 ug/l
RT: 8.13 min Scan# 1986
Delta R.T. -0.00 min
Lab File: VN063355.D
Acq: 14 Sep 2020 20:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	24.4	15.1	22.7#
87	11.8	9.2	13.8

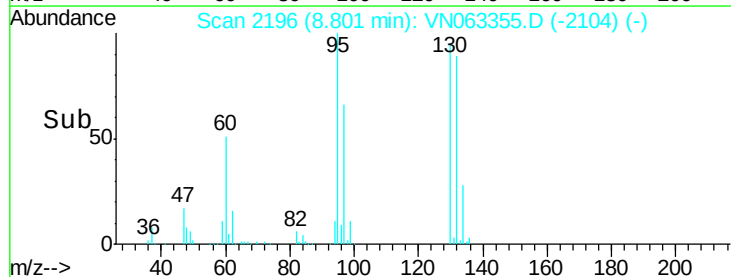
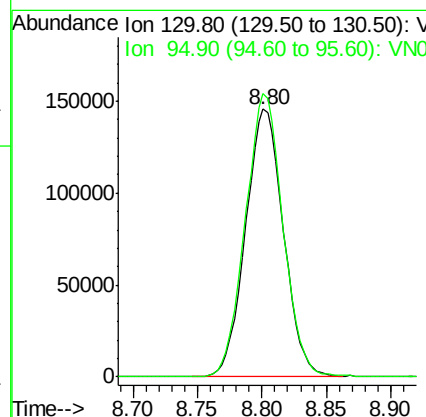
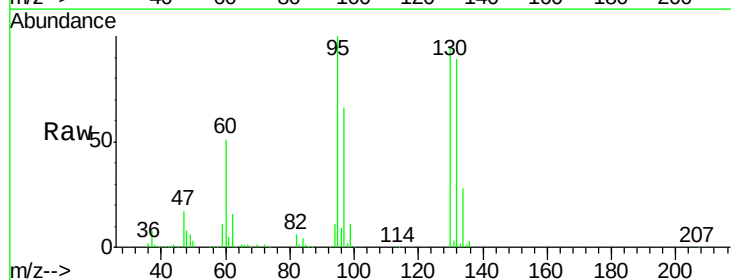
Manual Integrations
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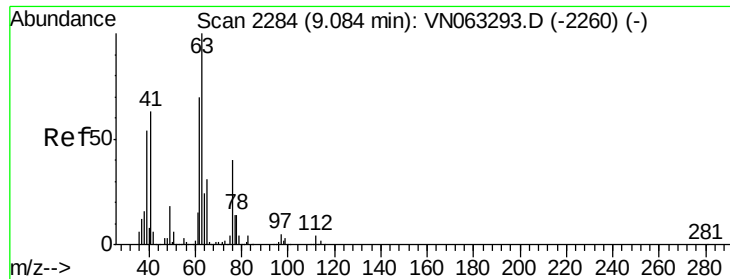
MMDadoda
9/15/2020 1:58:44 PM



#44
Trichloroethene
Concen: 46.393 ug/l
RT: 8.80 min Scan# 2196
Delta R.T. -0.00 min
Lab File: VN063355.D
Acq: 14 Sep 2020 20:30

Tgt Ion	Ratio	Lower	Upper
130	100		
95	105.7	0.0	210.8





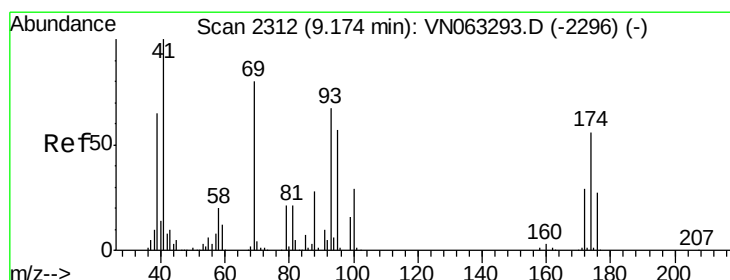
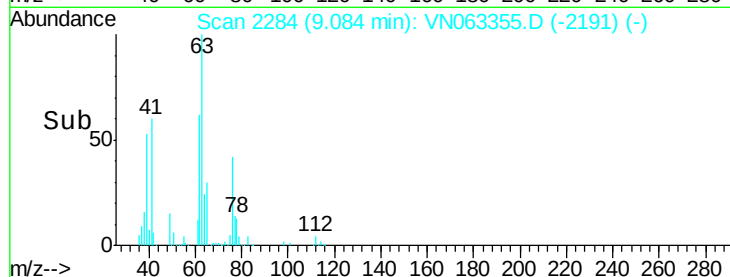
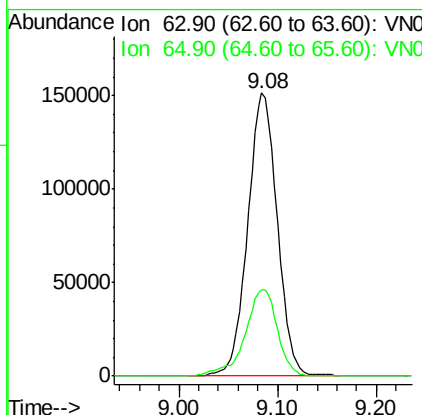
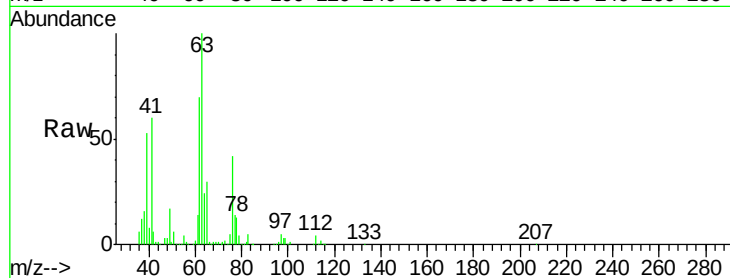
#45
 1,2-Dichloropropane
 Concen: 46.351 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN063355.D
 Acq: 14 Sep 2020 20:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.3	24.6	36.8

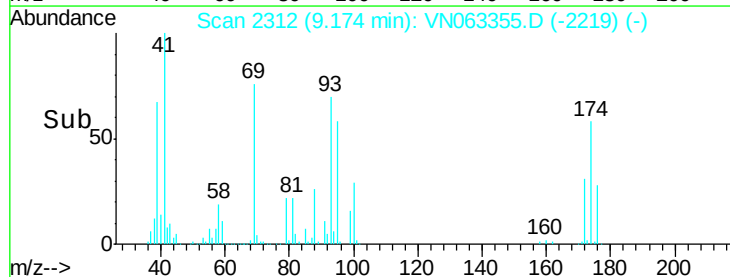
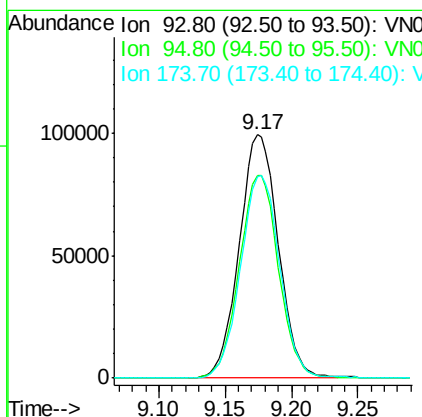
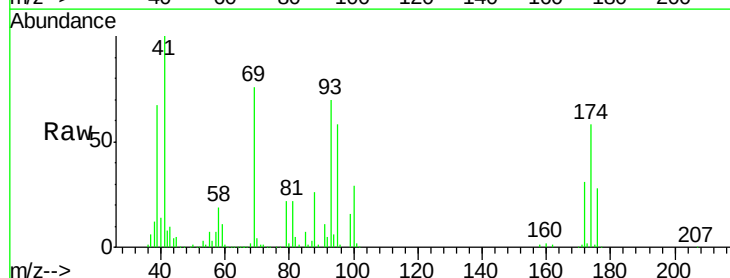
Manual Integrations
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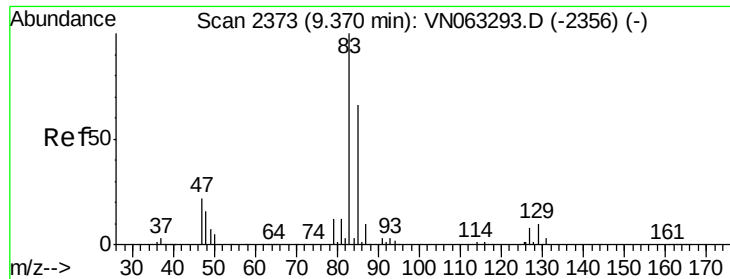
MMDadoda
 9/15/2020 1:58:44 PM



#46
 Dibromomethane
 Concen: 46.624 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN063355.D
 Acq: 14 Sep 2020 20:30

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.7	67.9	101.9
174	83.6	66.9	100.3





#47

Bromodichloromethane

Concen: 47.086 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN063355.D

Acq: 14 Sep 2020 20:30

Instrument :

MSVOA_N

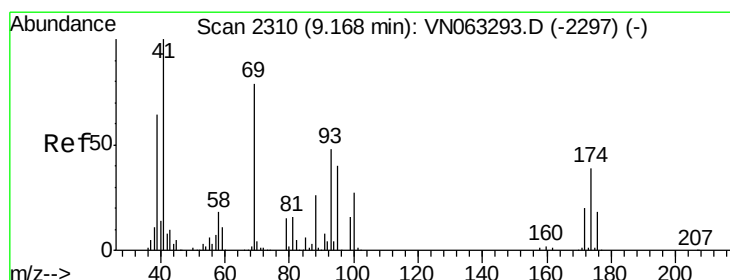
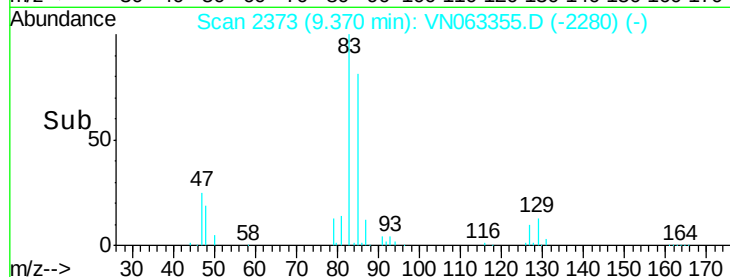
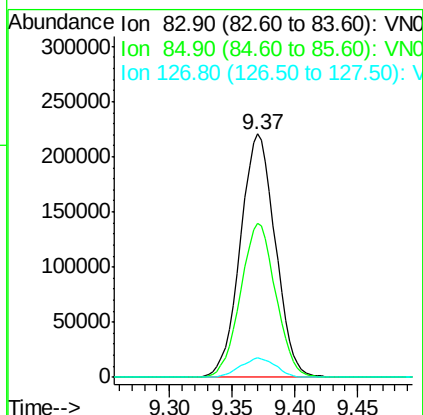
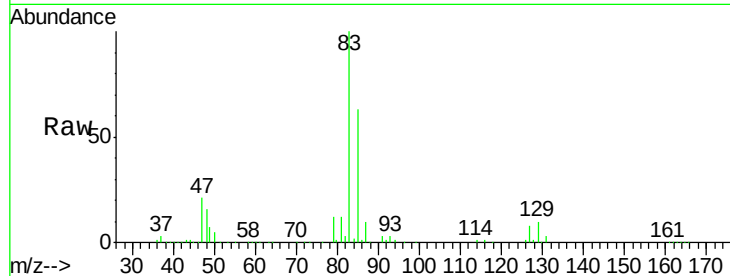
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	428828
Ion Ratio	Lower	Upper	
83	100		
85	63.5	52.5	78.7
127	7.8	6.6	10.0

Manual Integrations
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MMDadoda
9/15/2020 1:58:44 PM



#48

Methyl methacrylate

Concen: 47.055 ug/l

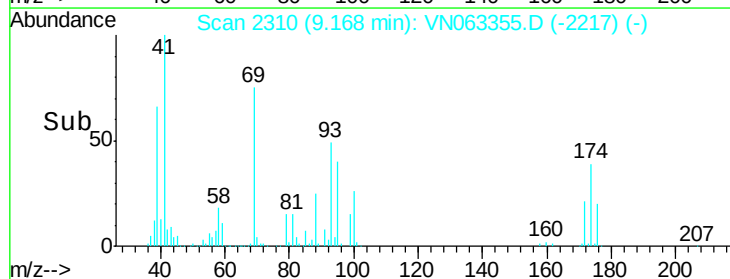
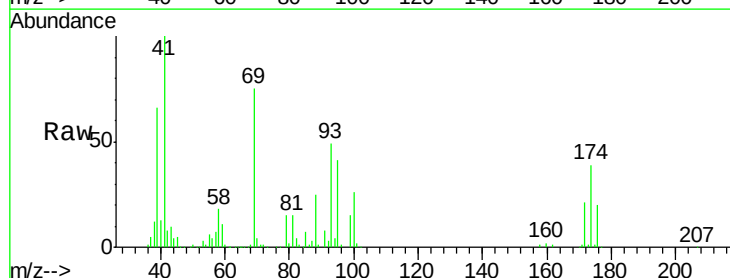
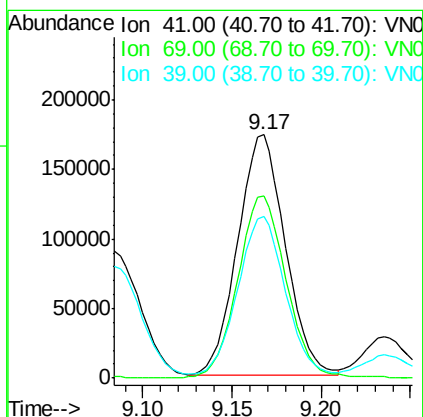
RT: 9.17 min Scan# 2310

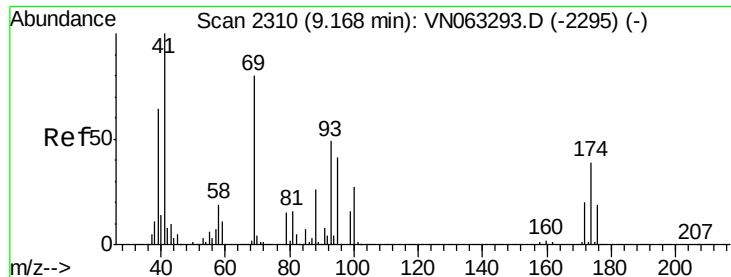
Delta R.T. 0.00 min

Lab File: VN063355.D

Acq: 14 Sep 2020 20:30

Tgt Ion:	41	Resp:	321791
Ion Ratio	Lower	Upper	
41	100		
69	77.3	63.6	95.4
39	67.9	53.2	79.8





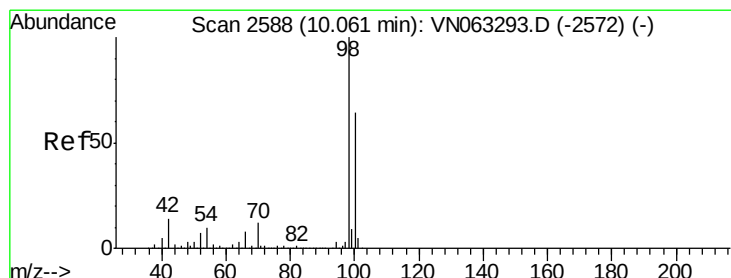
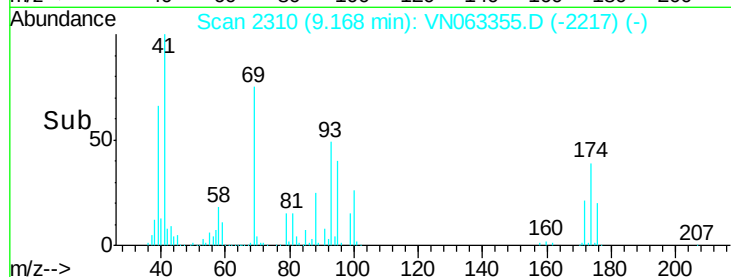
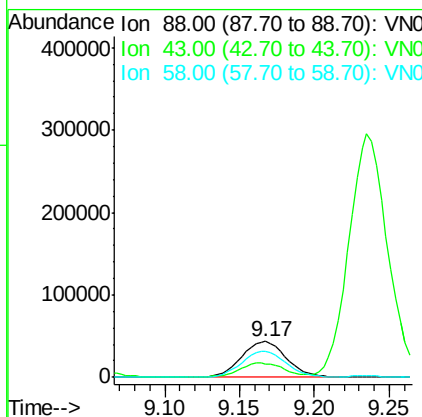
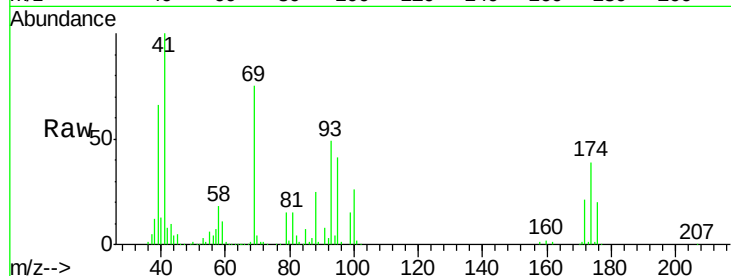
#49
1,4-Dioxane
Concen: 858.561 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN063355.D
Acq: 14 Sep 2020 20:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.3	30.5	45.7
58	72.6	58.9	88.3

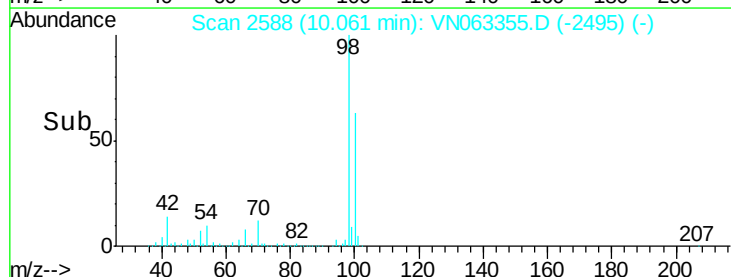
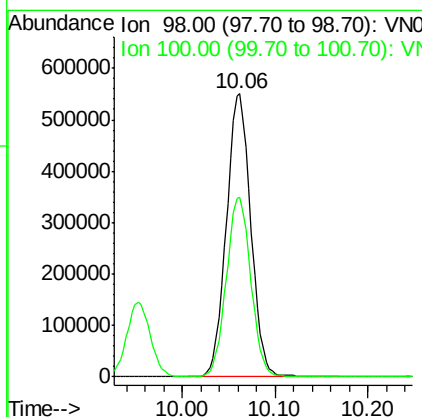
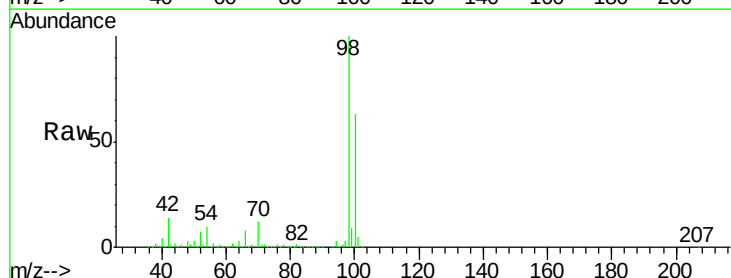
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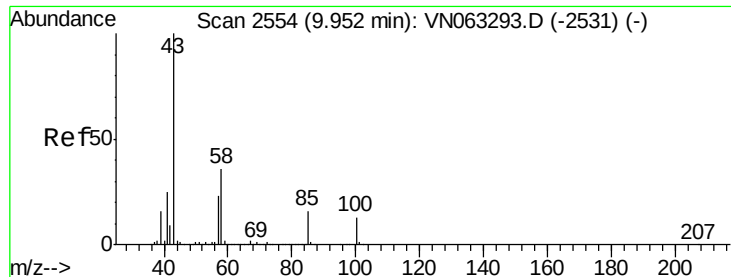
MMDadoda
9/15/2020 1:58:44 PM



#50
Toluene-d8
Concen: 48.533 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. -0.00 min
Lab File: VN063355.D
Acq: 14 Sep 2020 20:30

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.7	50.7	76.1





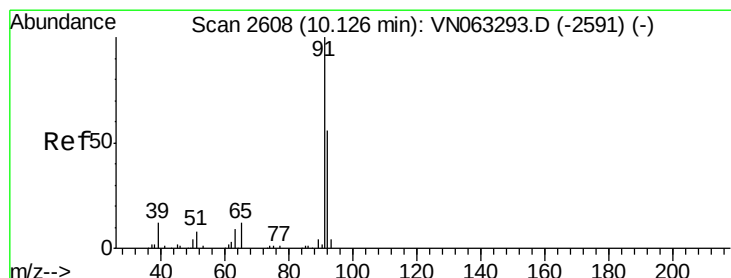
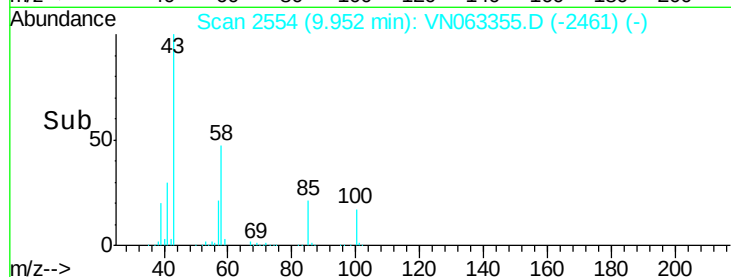
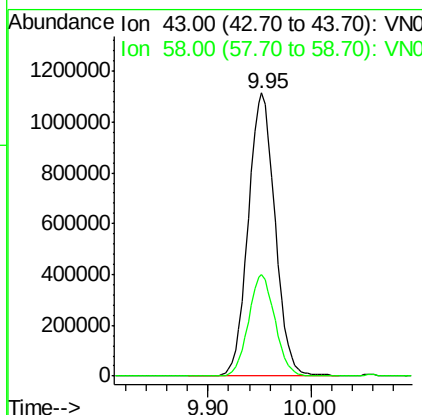
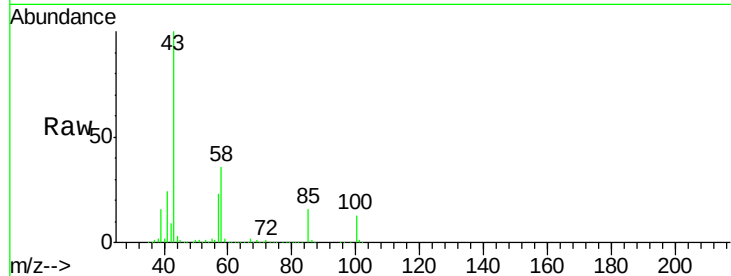
#51
 4-Methyl-2-Pentanone
 Concen: 253.495 ug/l
 RT: 9.95 min Scan# 2554
 Delta R.T. -0.00 min
 Lab File: VN063355.D
 Acq: 14 Sep 2020 20:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 2002218
 Ion Ratio Lower Upper
 43 100
 58 35.6 29.0 43.4

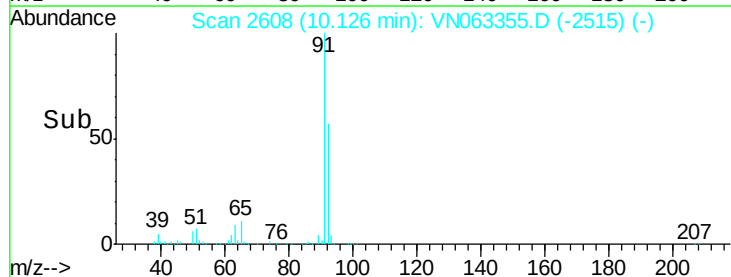
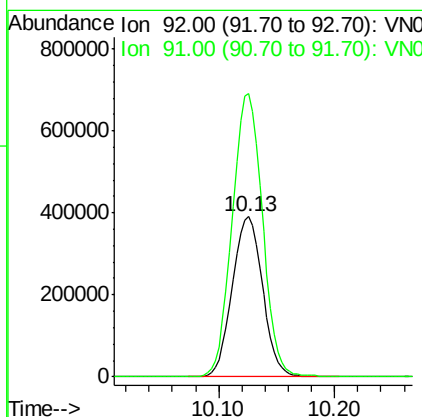
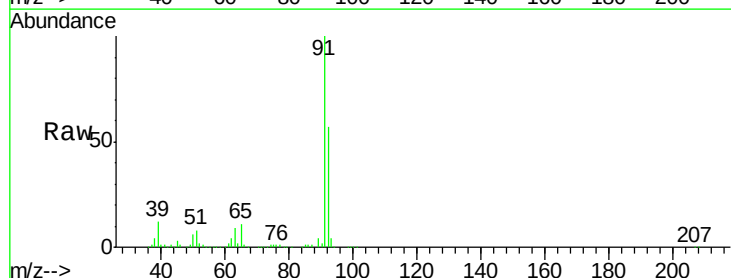
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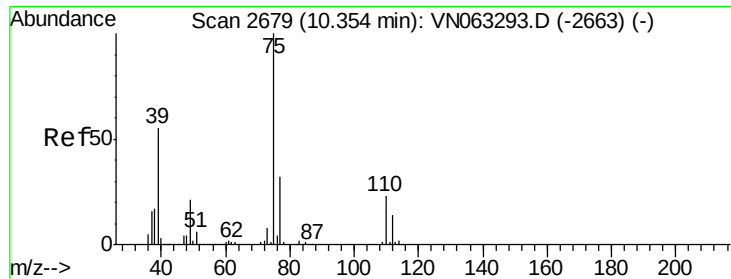
MMDadoda
 9/15/2020 1:58:44 PM



#52
 Toluene
 Concen: 47.220 ug/l
 RT: 10.13 min Scan# 2608
 Delta R.T. -0.00 min
 Lab File: VN063355.D
 Acq: 14 Sep 2020 20:30

Tgt Ion: 92 Resp: 708352
 Ion Ratio Lower Upper
 92 100
 91 176.5 141.2 211.8





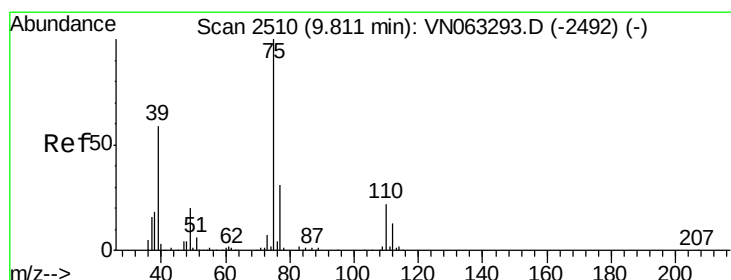
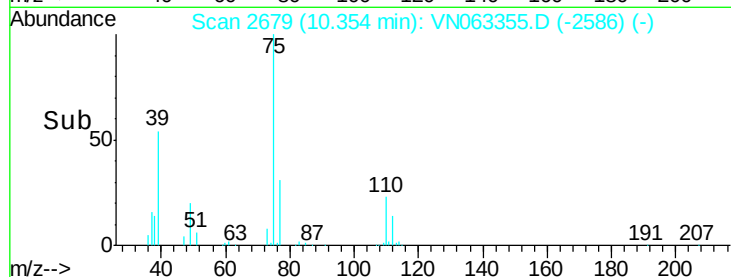
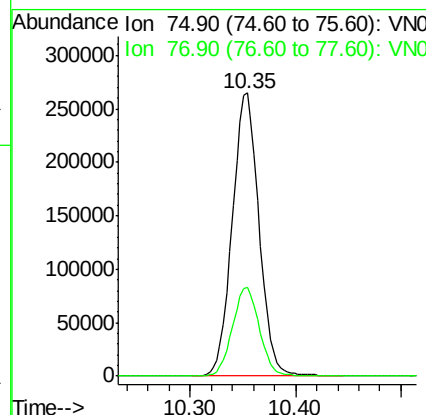
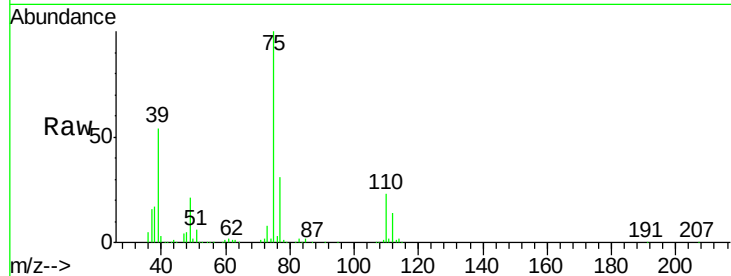
#53
t-1,3-Dichloropropene
Concen: 46.754 ug/l
RT: 10.35 min Scan# 2679
Delta R.T. 0.00 min
Lab File: VN063355.D
Acq: 14 Sep 2020 20:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.7	38.5

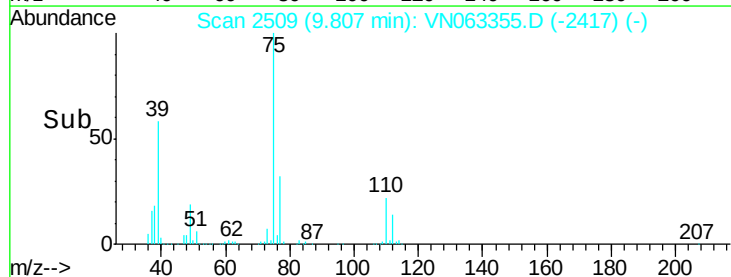
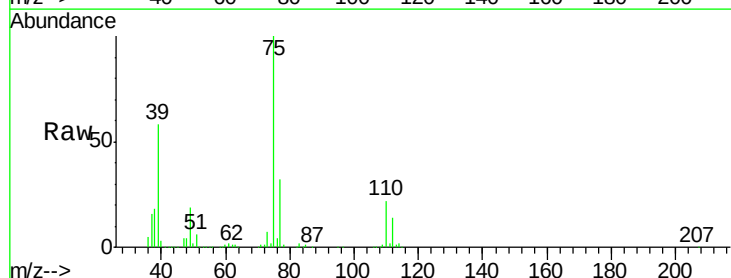
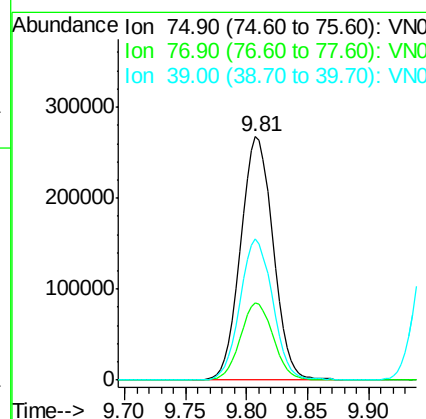
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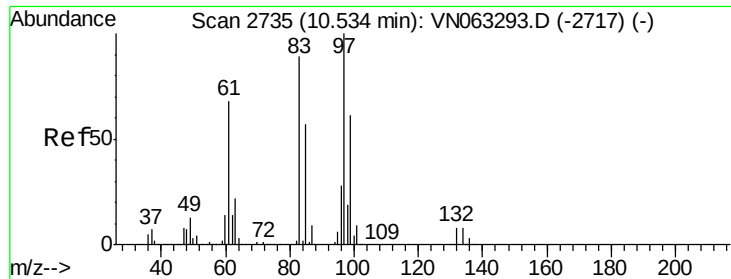
MMDadoda
9/15/2020 1:58:44 PM



#54
cis-1,3-Dichloropropene
Concen: 46.173 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN063355.D
Acq: 14 Sep 2020 20:30

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.8	24.7	37.1
39	57.8	47.2	70.8





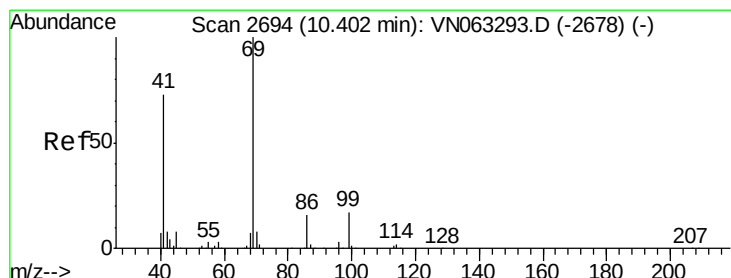
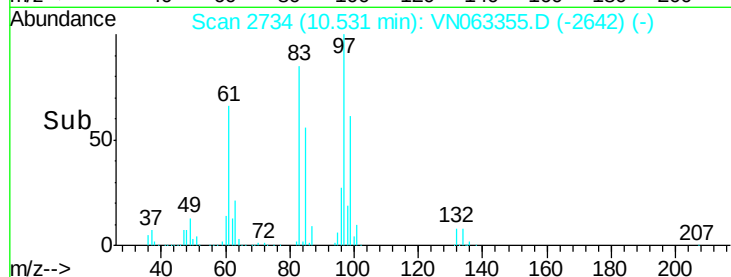
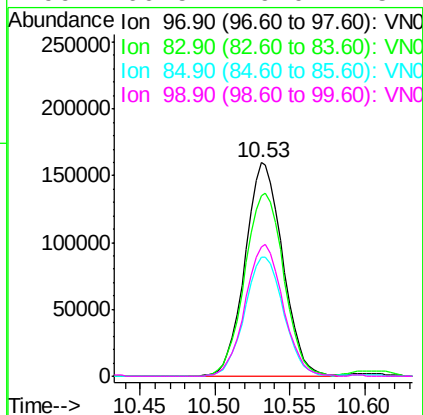
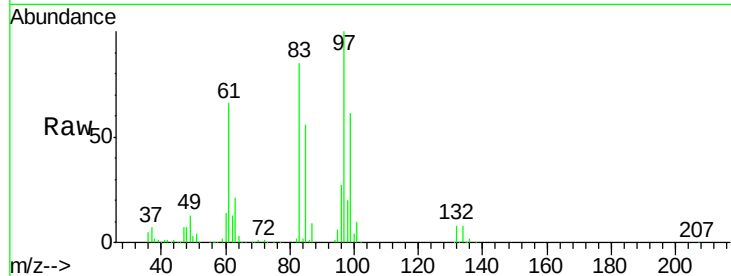
#55
 1,1,2-Trichloroethane
 Concen: 47.743 ug/l
 RT: 10.53 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN063355.D
 Acq: 14 Sep 2020 20:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	280644
Ion	Ratio	Lower	Upper
97	100		
83	84.6	70.8	106.2
85	55.7	45.6	68.4
99	60.5	49.0	73.4

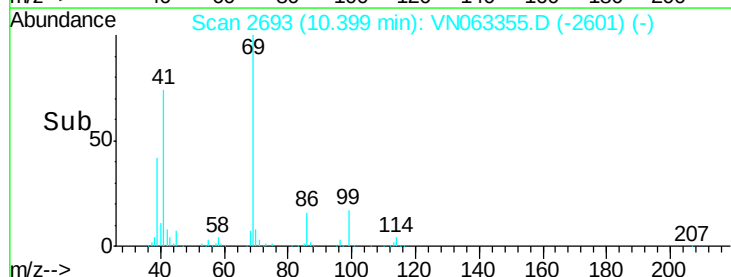
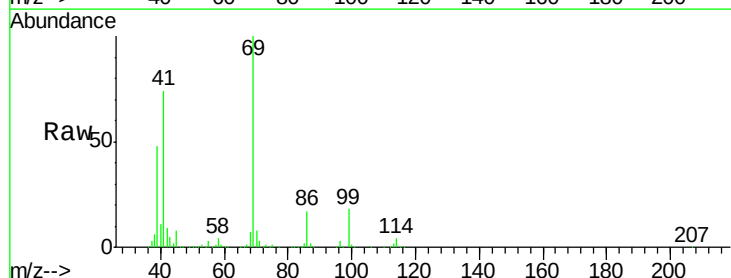
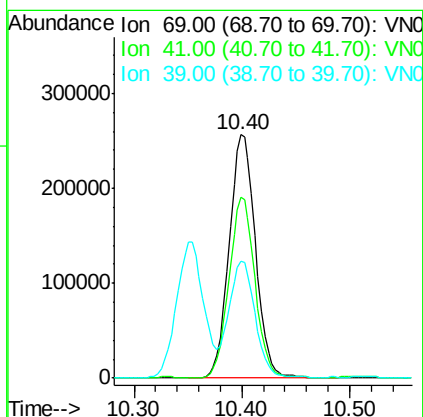
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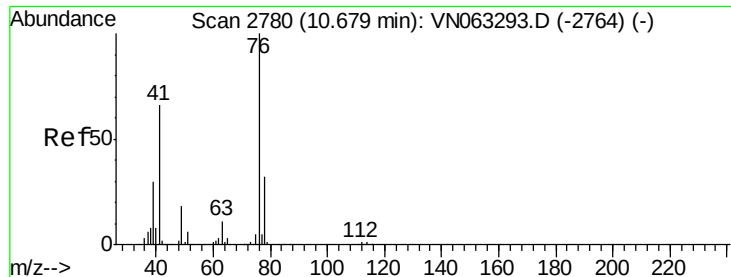
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 48.866 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. -0.00 min
 Lab File: VN063355.D
 Acq: 14 Sep 2020 20:30

Tgt Ion:	69	Resp:	436815
Ion	Ratio	Lower	Upper
69	100		
41	72.6	58.4	87.6
39	48.0	38.6	58.0





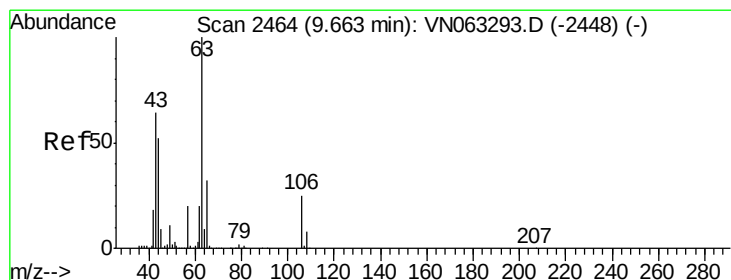
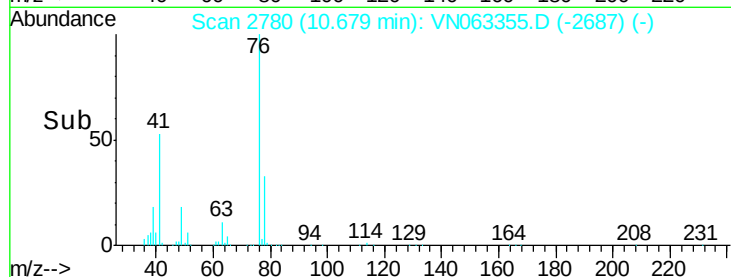
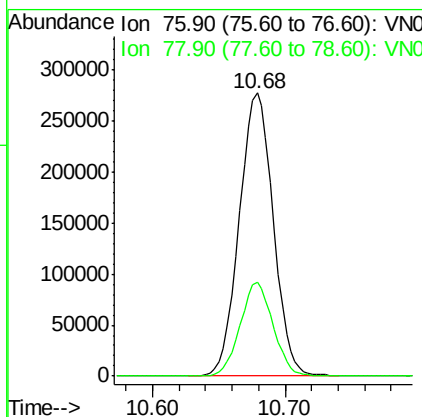
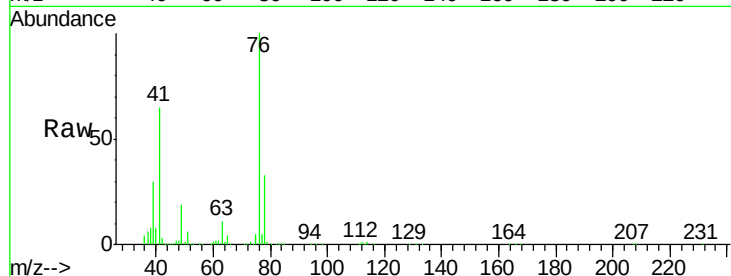
#57
 1,3-Dichloropropane
 Concen: 48.063 ug/l
 RT: 10.68 min Scan# 2780
 Delta R.T. -0.00 min
 Lab File: VN063355.D
 Acq: 14 Sep 2020 20:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 493696
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.7 38.5

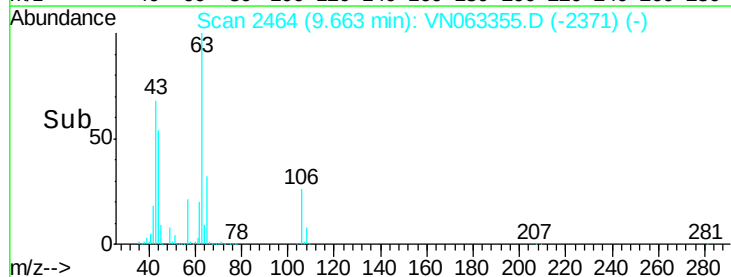
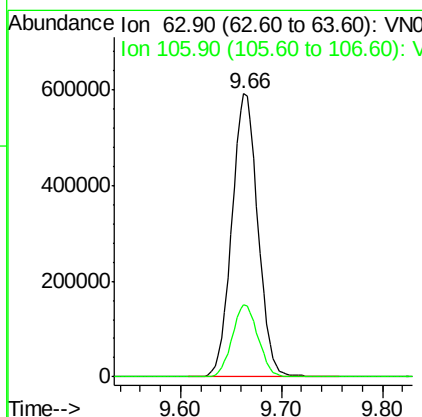
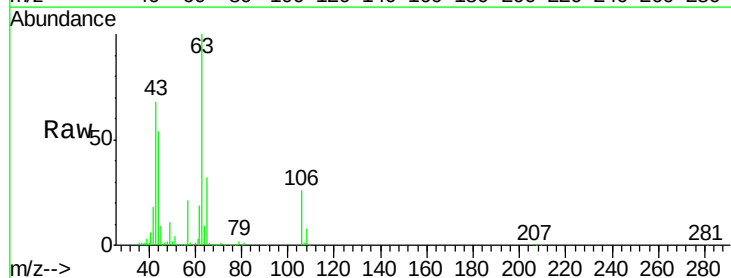
Manual Integrations
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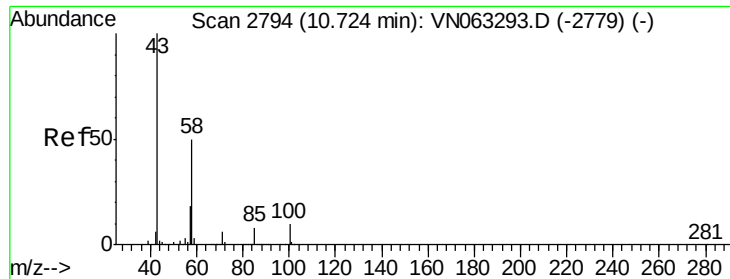
MMDadoda
 9/15/2020 1:58:44 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 221.505 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN063355.D
 Acq: 14 Sep 2020 20:30

Tgt Ion: 63 Resp: 1062074
 Ion Ratio Lower Upper
 63 100
 106 25.6 20.2 30.4





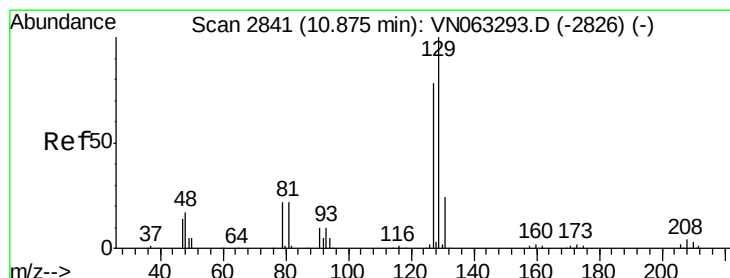
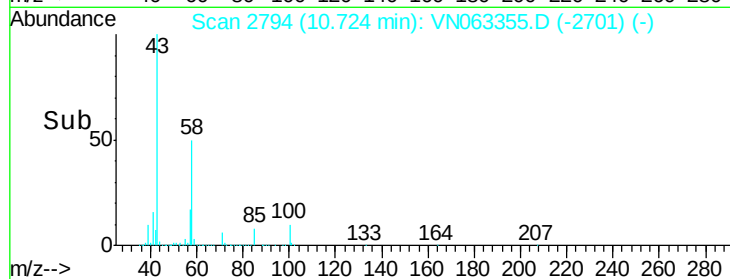
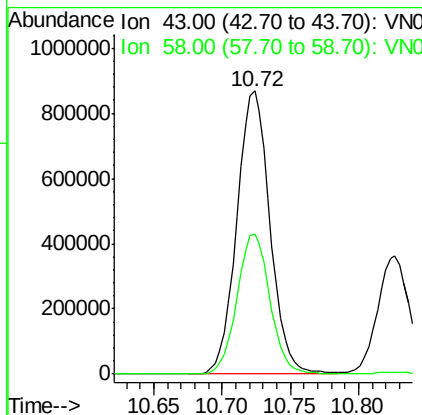
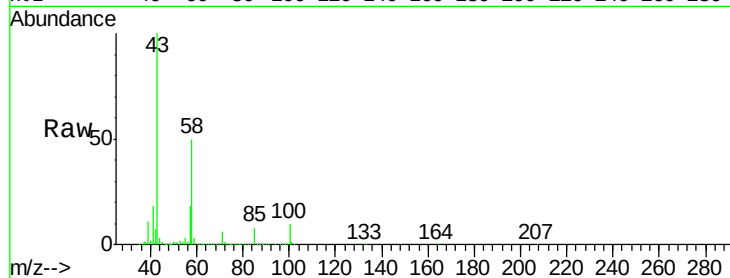
#59
2-Hexanone
Concen: 251.071 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. -0.00 min
Lab File: VN063355.D
Acq: 14 Sep 2020 20:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1462536
Ion Ratio Lower Upper
43 100
58 49.4 25.1 75.3

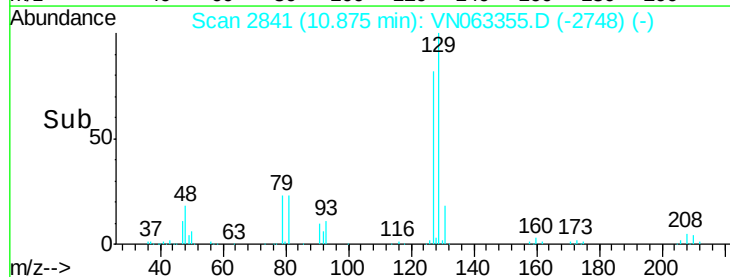
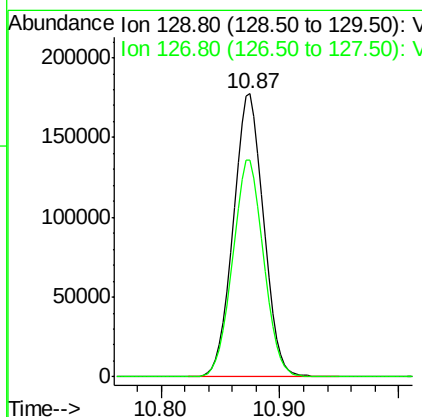
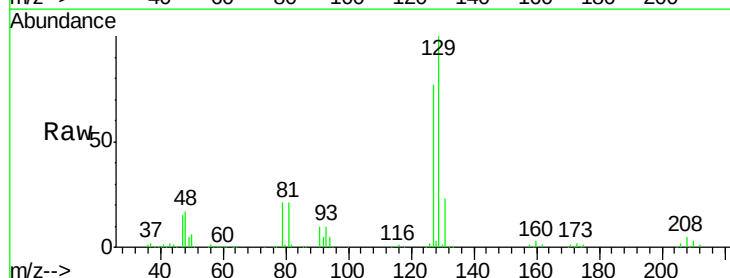
Manual Integrations
APPROVED

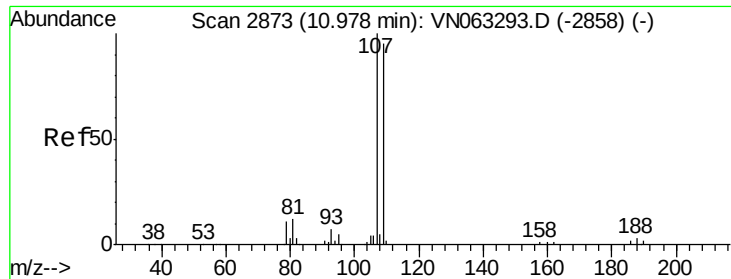
MMDadoda
9/15/2020 1:58:44 PM



#60
Dibromochloromethane
Concen: 48.624 ug/l
RT: 10.87 min Scan# 2841
Delta R.T. -0.00 min
Lab File: VN063355.D
Acq: 14 Sep 2020 20:30

Tgt Ion: 129 Resp: 313868
Ion Ratio Lower Upper
129 100
127 78.0 39.0 117.0





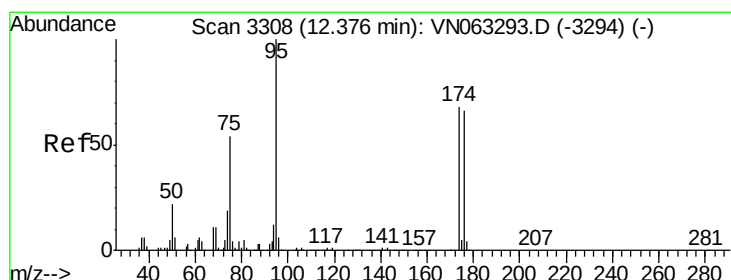
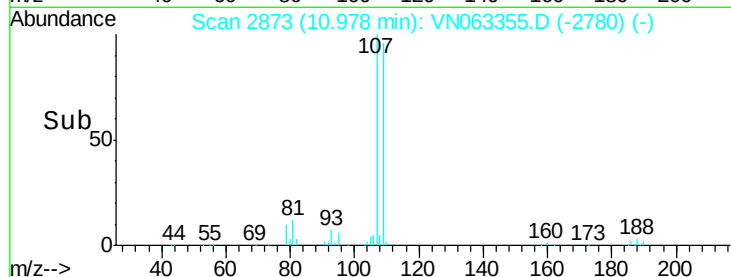
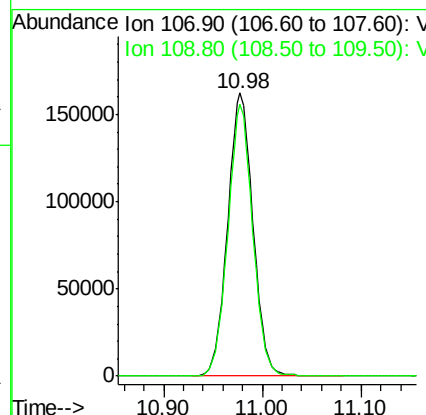
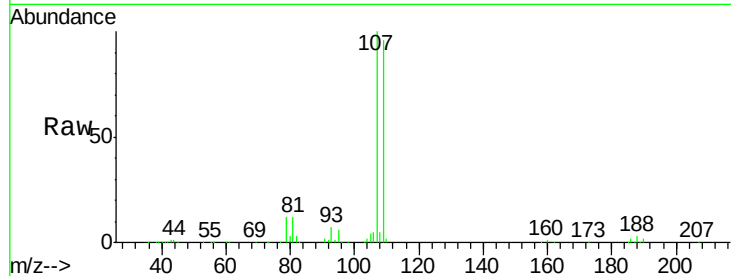
#61
 1,2-Dibromoethane
 Concen: 47.580 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN063355.D
 Acq: 14 Sep 2020 20:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.2	75.5	113.3

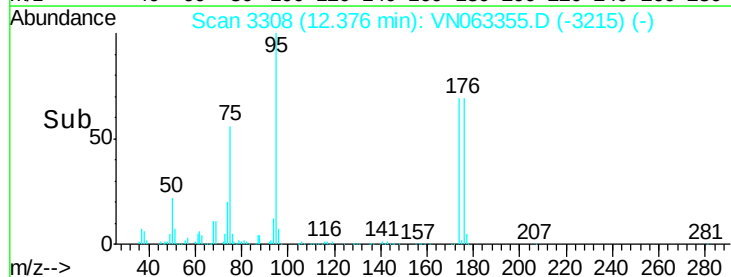
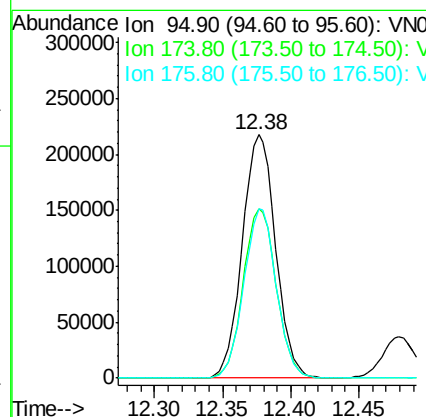
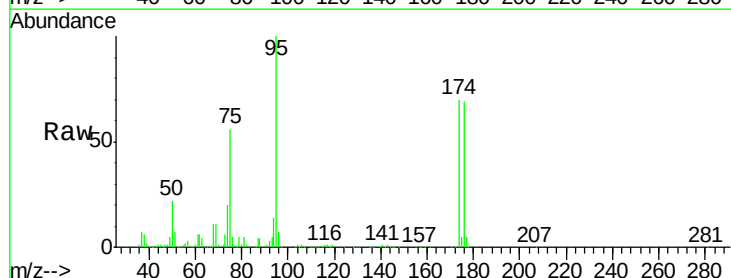
Manual Integrations
 APPROVED

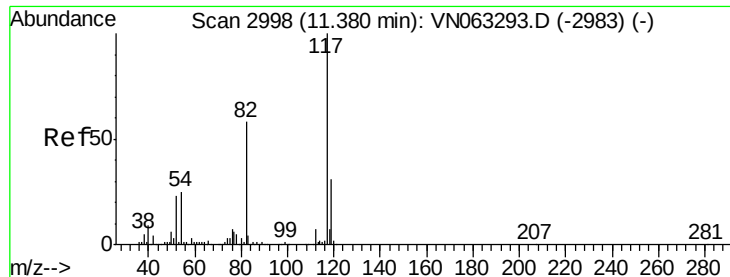
MMDadoda
 9/15/2020 1:58:44 PM



#62
 4-Bromofluorobenzene
 Concen: 48.329 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. -0.00 min
 Lab File: VN063355.D
 Acq: 14 Sep 2020 20:30

Tgt Ion	Ratio	Lower	Upper
95	100		
174	69.1	0.0	136.6
176	67.8	0.0	132.8





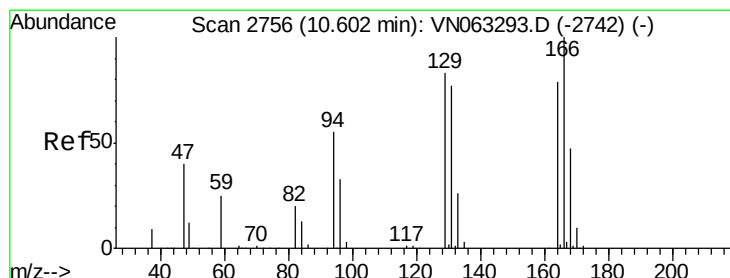
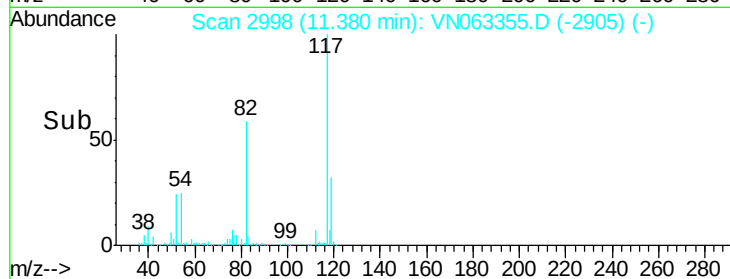
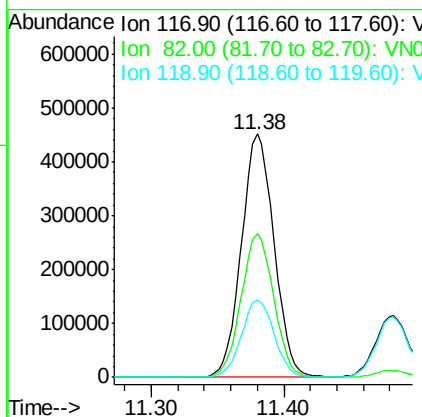
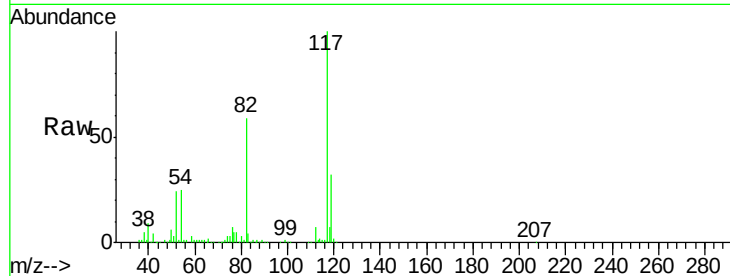
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063355.D
Acq: 14 Sep 2020 20:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.9	46.4	69.6
119	31.8	24.8	37.2

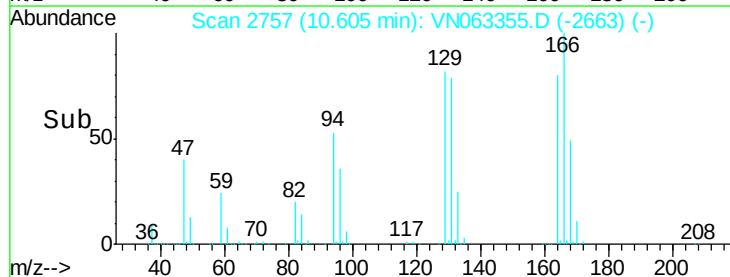
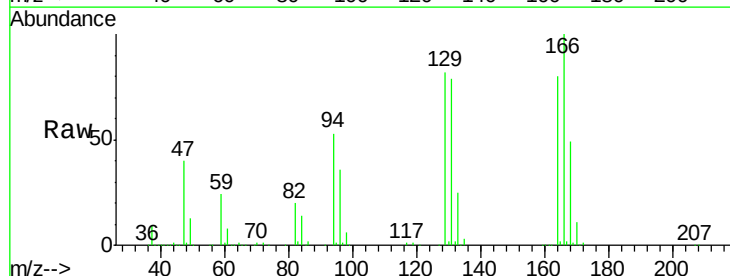
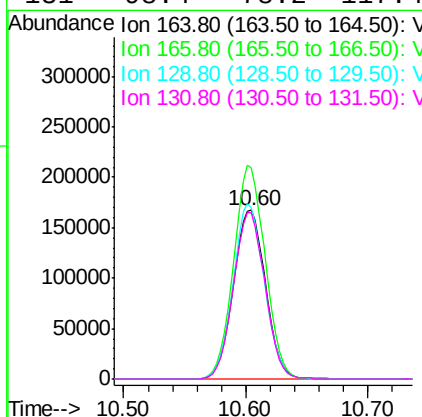
Manual Integrations
APPROVED

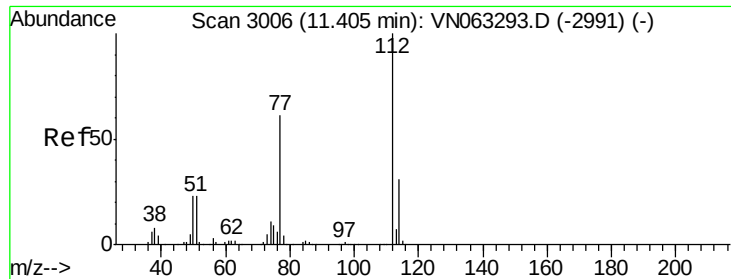
MMDadoda
9/15/2020 1:58:44 PM



#64
Tetrachloroethene
Concen: 48.060 ug/l
RT: 10.60 min Scan# 2757
Delta R.T. 0.00 min
Lab File: VN063355.D
Acq: 14 Sep 2020 20:30

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.2	101.3	151.9
129	102.1	83.7	125.5
131	98.4	78.2	117.4





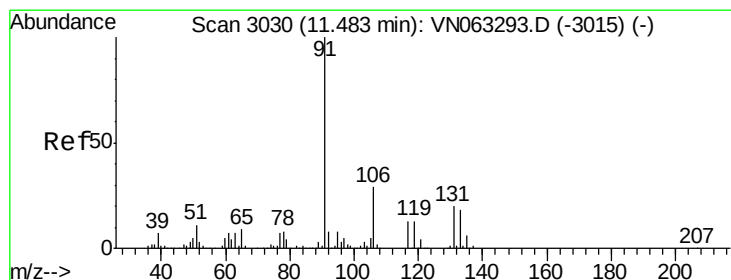
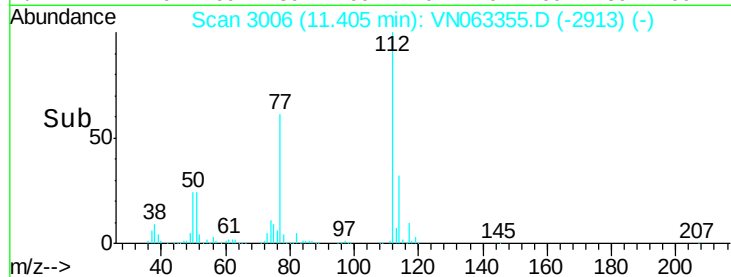
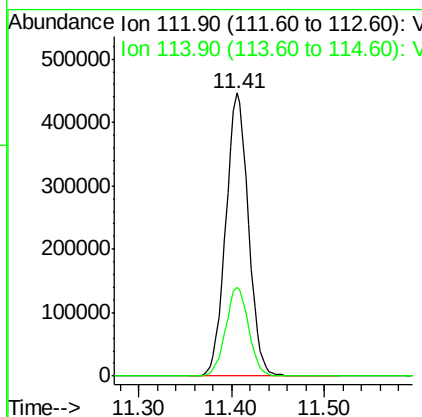
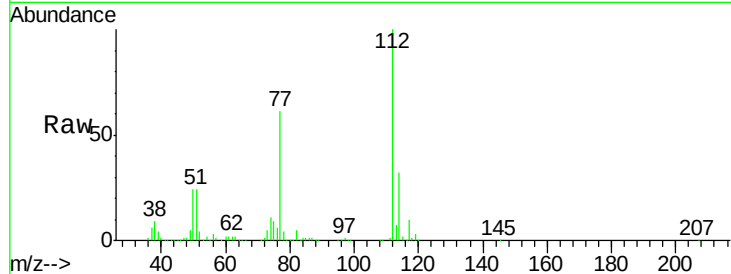
#65
Chlorobenzene
Concen: 45.315 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. -0.00 min
Lab File: VN063355.D
Acq: 14 Sep 2020 20:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.5	24.6	36.8

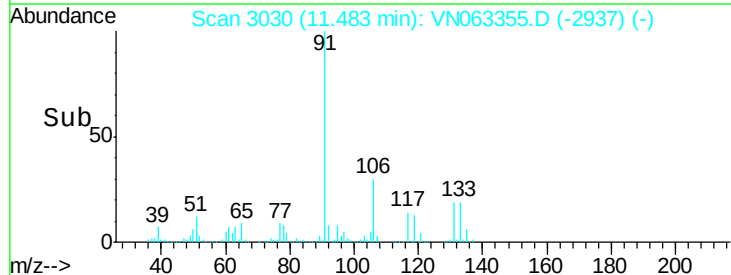
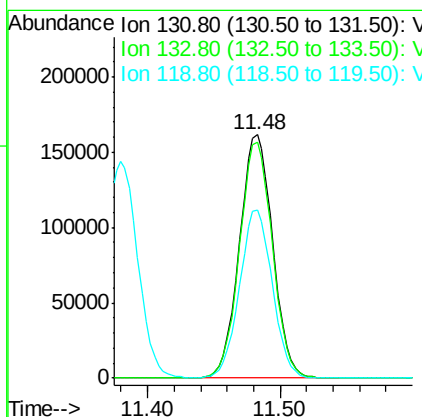
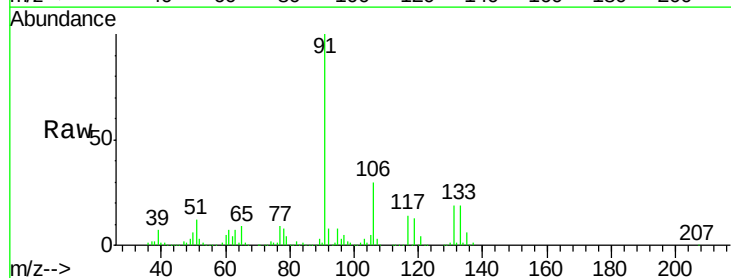
Manual Integrations
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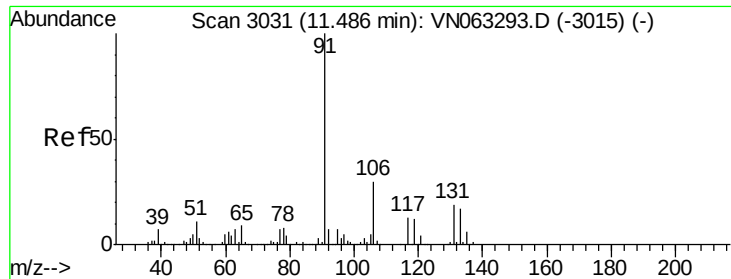
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 46.363 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. -0.00 min
Lab File: VN063355.D
Acq: 14 Sep 2020 20:30

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.2	47.4	142.2
119	68.4	33.8	101.3





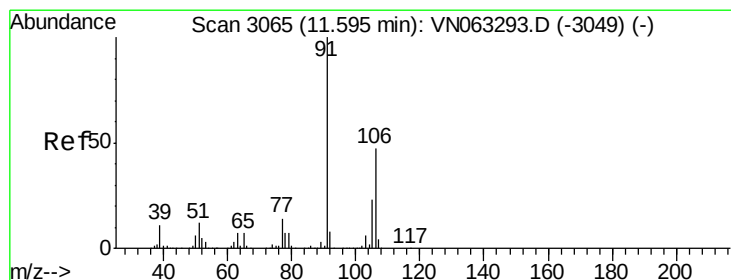
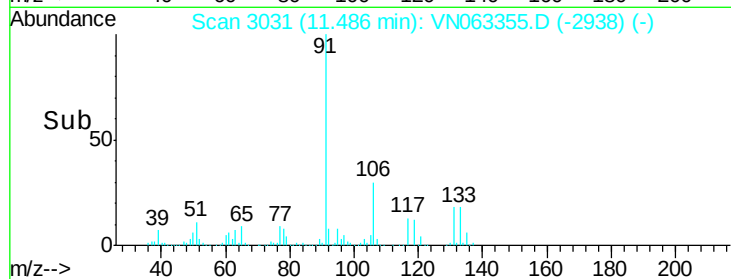
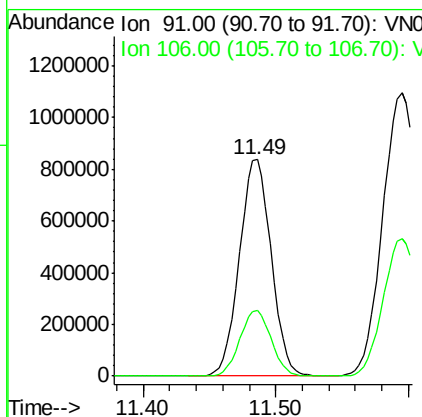
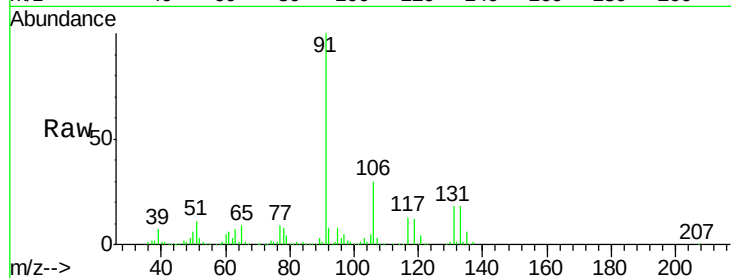
#67
Ethyl Benzene
Concen: 46.778 ug/l
RT: 11.49 min Scan# 3031
Delta R.T. -0.00 min
Lab File: VN063355.D
Acq: 14 Sep 2020 20:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1397533
Ion Ratio Lower Upper
91 100
106 30.3 23.8 35.6

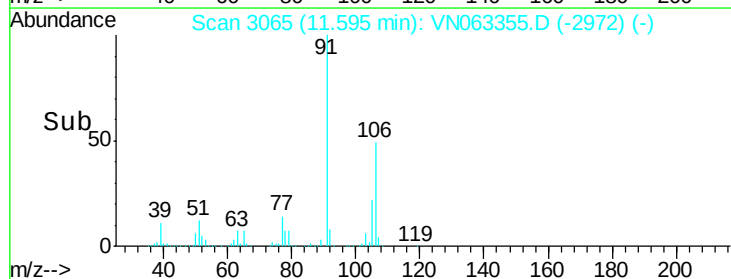
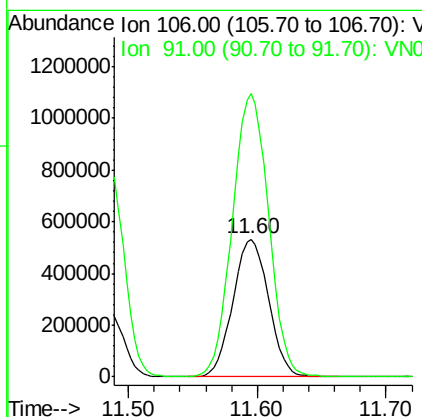
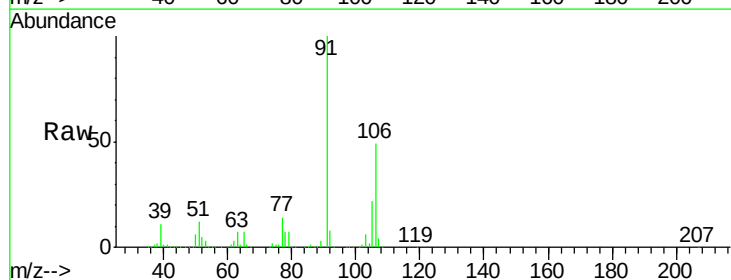
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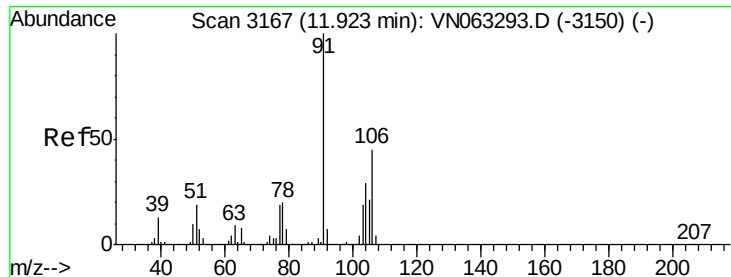
MMDadoda
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#68
m/p-Xylenes
Concen: 92.413 ug/l
RT: 11.60 min Scan# 3065
Delta R.T. -0.00 min
Lab File: VN063355.D
Acq: 14 Sep 2020 20:30

Tgt Ion: 106 Resp: 1021279
Ion Ratio Lower Upper
106 100
91 209.0 169.8 254.8





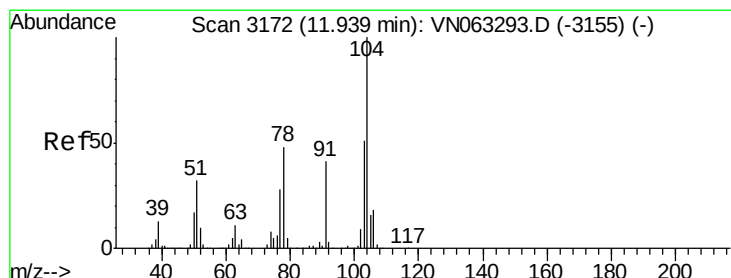
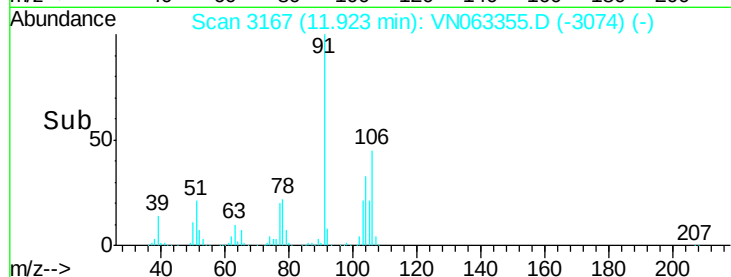
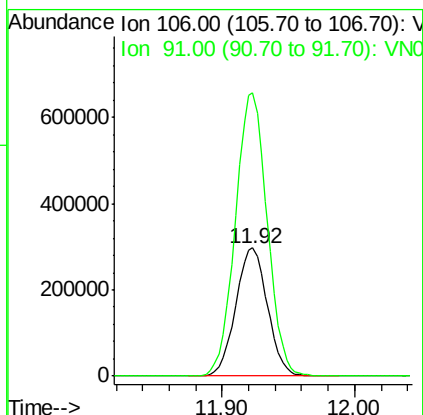
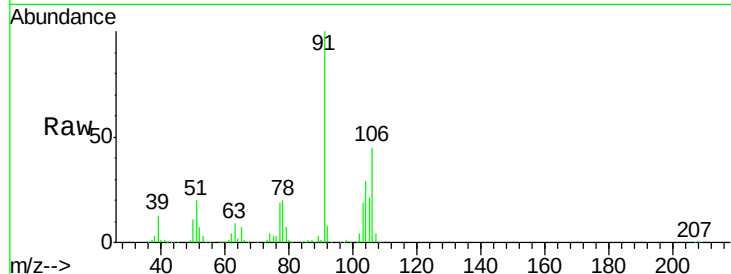
#69
o-Xylene
Concen: 46.534 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN063355.D
Acq: 14 Sep 2020 20:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	222.0	111.5	334.4

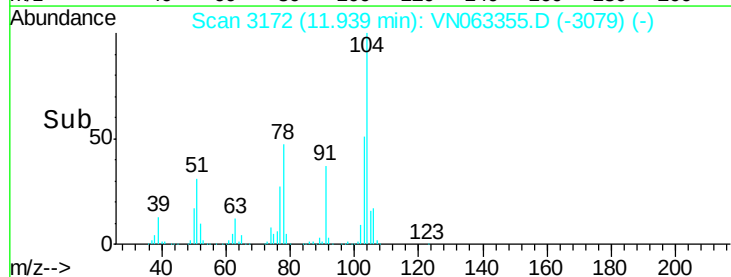
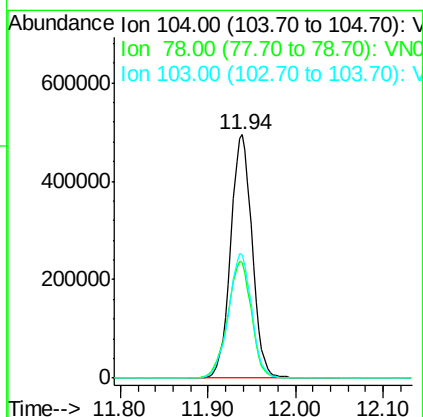
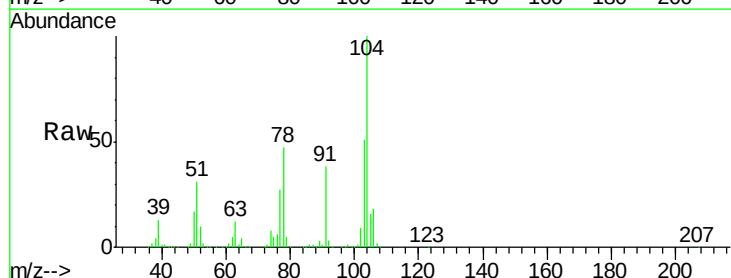
Manual Integrations
APPROVED

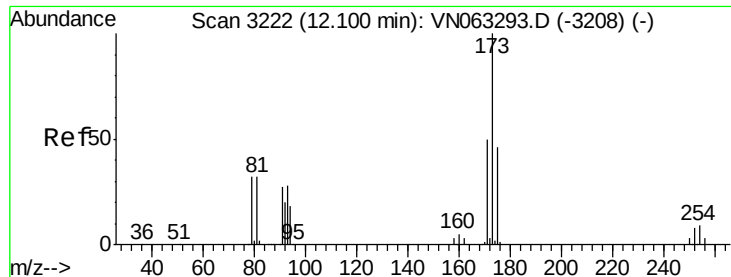
MMDadoda
9/15/2020 1:58:44 PM



#70
Styrene
Concen: 47.868 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. -0.00 min
Lab File: VN063355.D
Acq: 14 Sep 2020 20:30

Tgt Ion	Ratio	Lower	Upper
104	100		
78	53.0	42.9	64.3
103	54.9	44.2	66.2





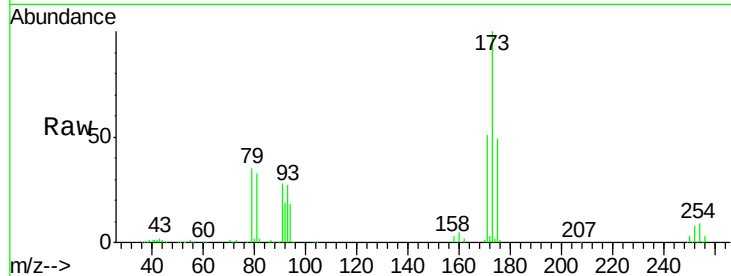
#71
Bromoform
Concen: 48.300 ug/l
RT: 12.10 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN063355.D
Acq: 14 Sep 2020 20:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	23.8	71.5
254	0.1	0.0	0.0

Manual Integrations
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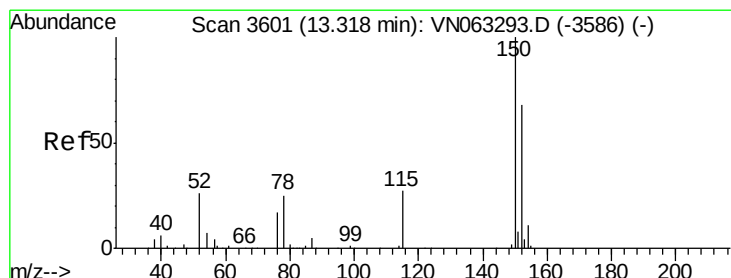
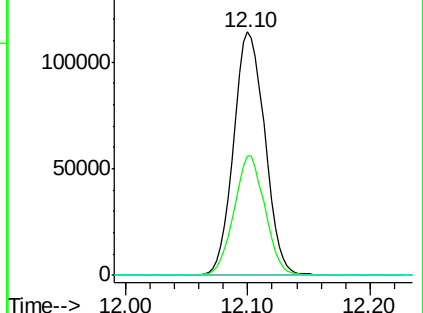
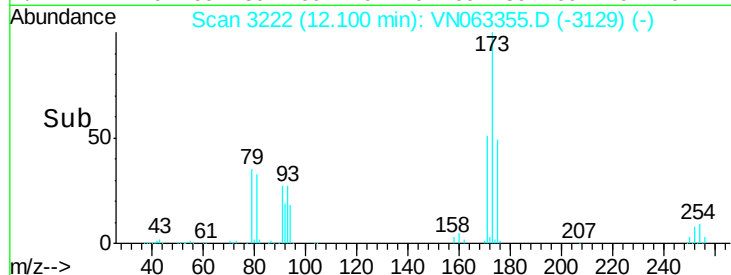


Abundance

Ion 172.70 (172.40 to 173.40): V

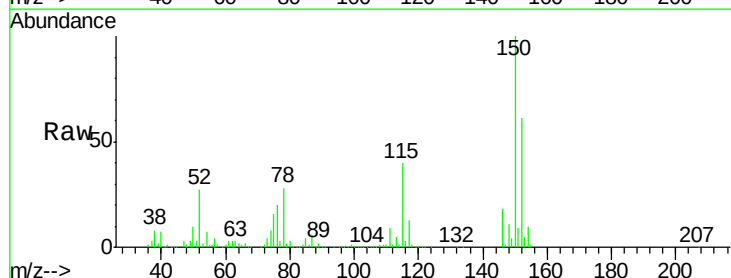
Ion 174.70 (174.40 to 175.40): V

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: VN063355.D
Acq: 14 Sep 2020 20:30

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.1	31.5	94.5
150	173.6	0.0	344.0

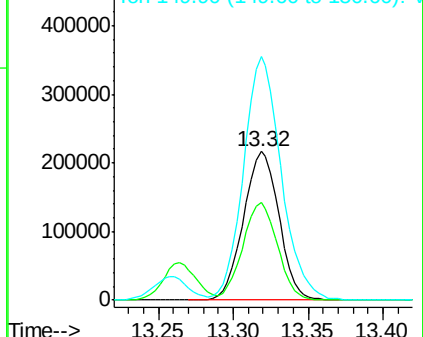
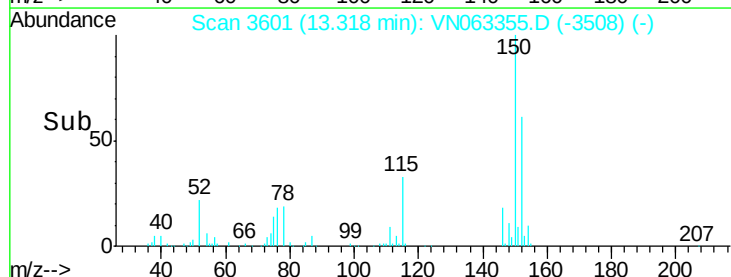


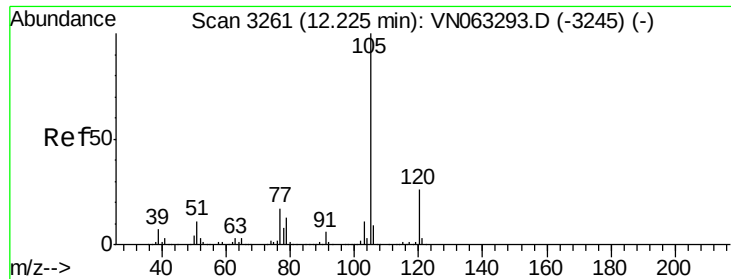
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 45.842 ug/l

RT: 12.23 min Scan# 3261

Delta R.T. -0.00 min

Lab File: VN063355.D

Acq: 14 Sep 2020 20:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1322673

Ion Ratio Lower Upper

105 100

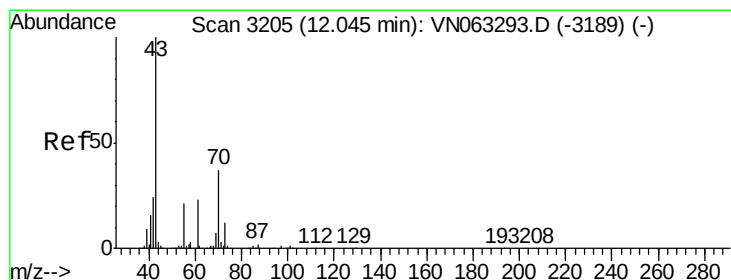
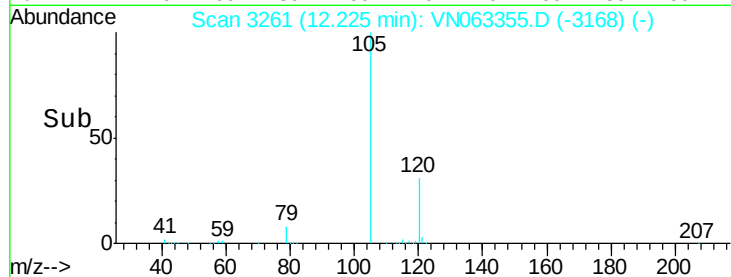
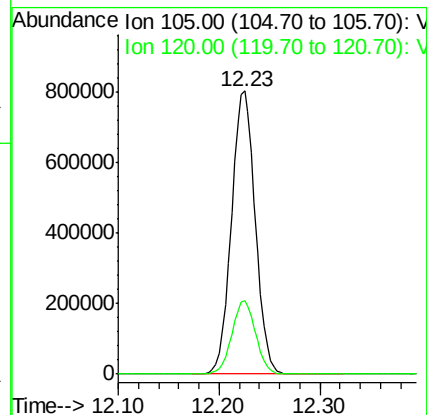
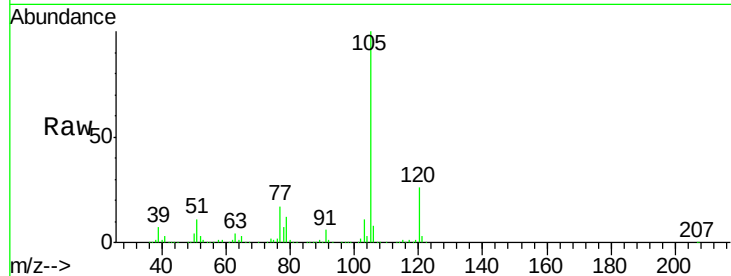
120 25.9 13.0 38.9

Manual Integrations

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#74

N-ethyl acetate

Concen: 50.230 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN063355.D

Acq: 14 Sep 2020 20:30

Tgt Ion: 43 Resp: 595009

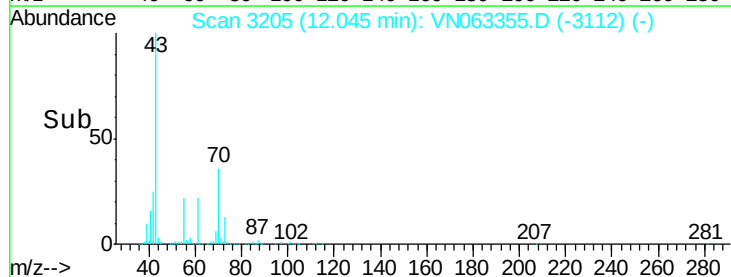
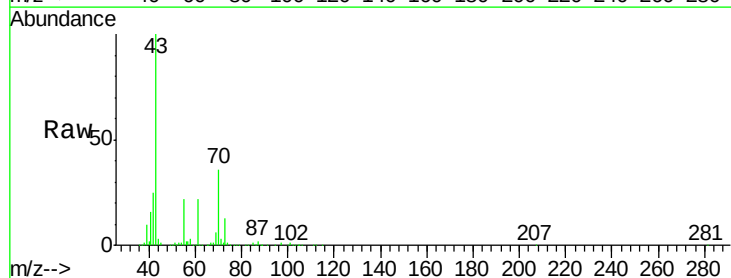
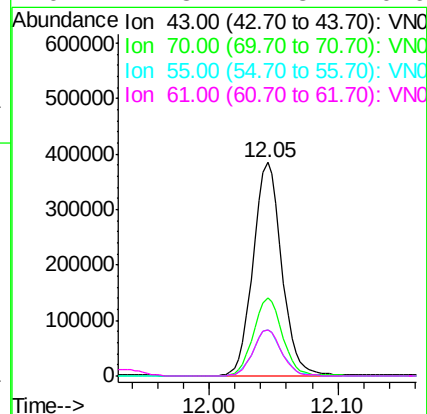
Ion Ratio Lower Upper

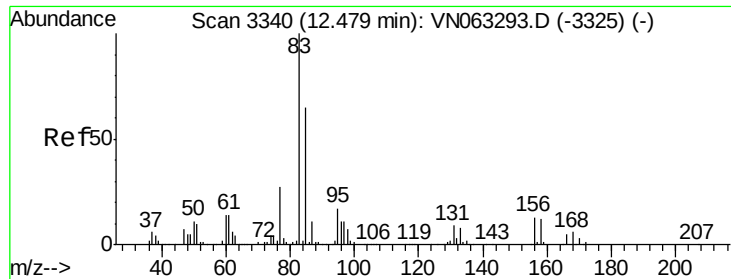
43 100

70 37.4 29.3 43.9

55 22.0 17.0 25.6

61 21.8 17.8 26.6





#75

1,1,2,2-Tetrachloroethane

Concen: 45.937 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN063355.D

Acq: 14 Sep 2020 20:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 379595

Ion Ratio Lower Upper

83 100

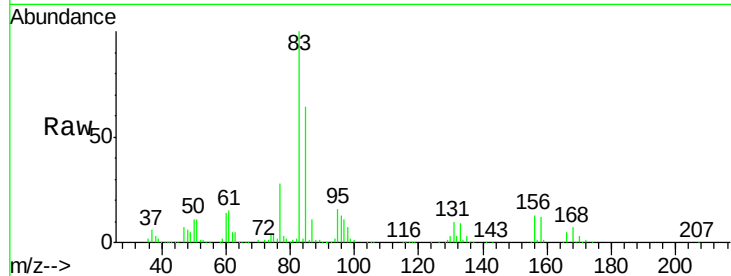
131 9.8 4.7 14.1

85 64.3 32.0 96.2

Manual Integrations
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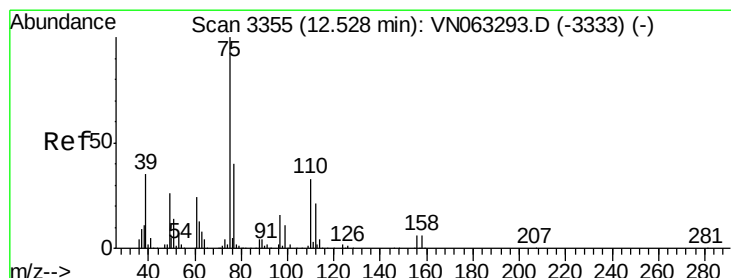
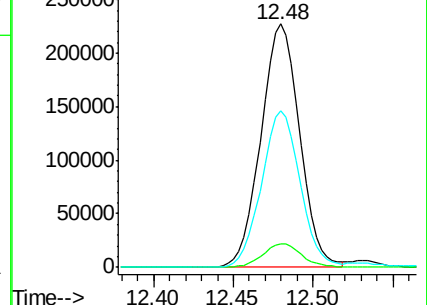
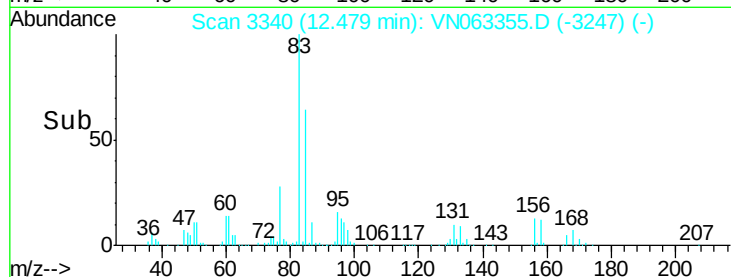


Abundance Ion 82.90 (82.60 to 83.60): VN063355.D (-3247) (-)

Ion 130.80 (130.50 to 131.50): VN063355.D (-3247) (-)

Ion 84.90 (84.60 to 85.60): VN063355.D (-3247) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 47.834 ug/l m

RT: 12.53 min Scan# 3355

Delta R.T. -0.00 min

Lab File: VN063355.D

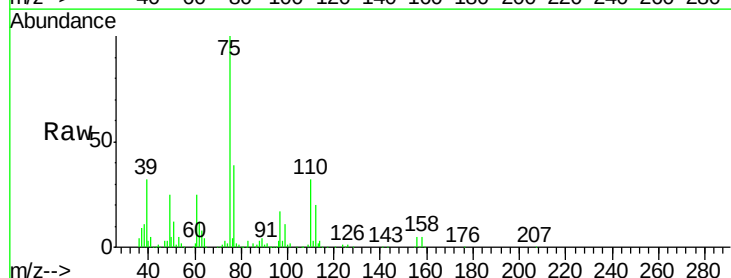
Acq: 14 Sep 2020 20:30

Tgt Ion: 75 Resp: 377490

Ion Ratio Lower Upper

75 100

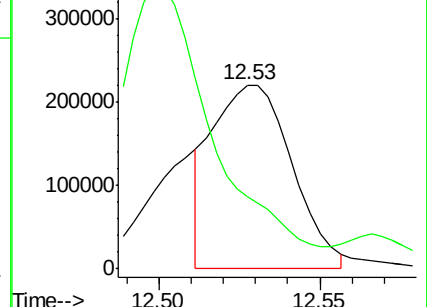
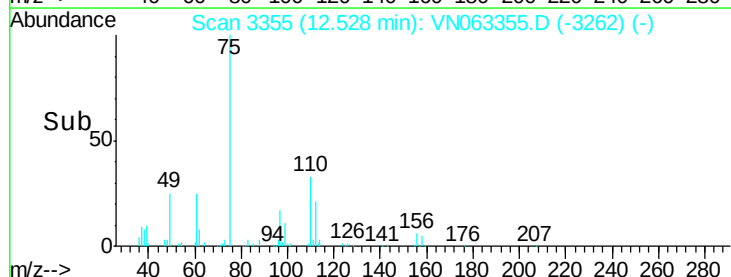
77 0.0 0.0 0.0

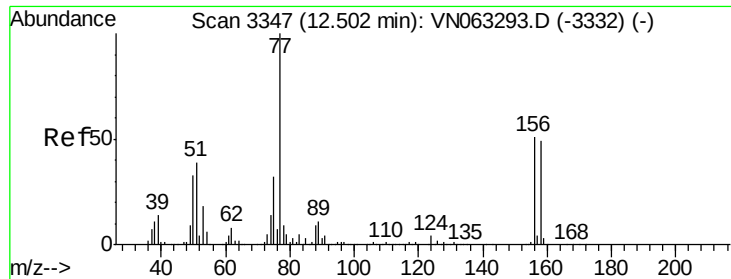


Abundance Ion 74.90 (74.60 to 75.60): VN063355.D (-3262) (-)

Ion 77.00 (76.70 to 77.70): VN063355.D (-3262) (-)

Time-->





#77

Bromobenzene

Concen: 46.558 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. -0.00 min

Lab File: VN063355.D

Acq: 14 Sep 2020 20:30

Instrument :

MSVOA_N

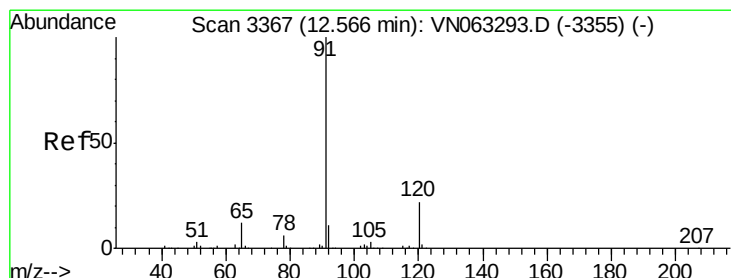
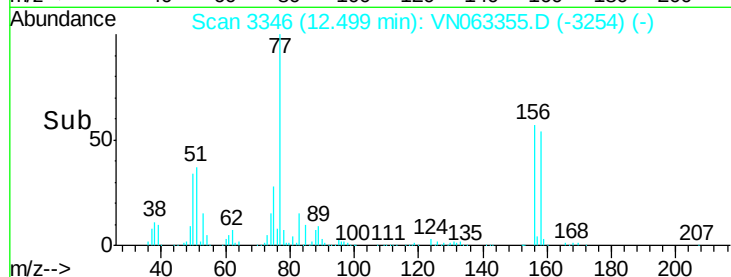
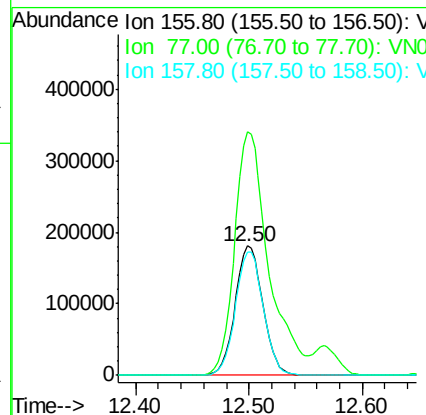
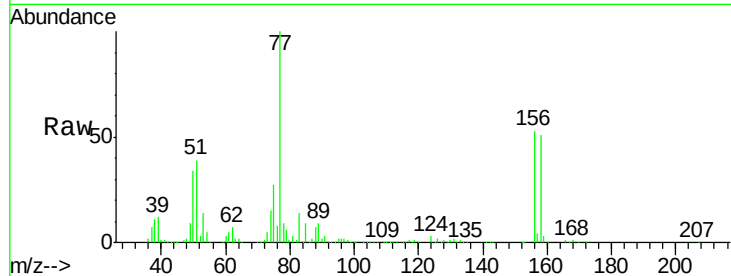
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	308783
Ion Ratio	Lower	Upper	
156	100		
77	229.9	117.4	352.2
158	96.2	48.8	146.4

Manual Integrations
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#78

n-propylbenzene

Concen: 46.733 ug/l

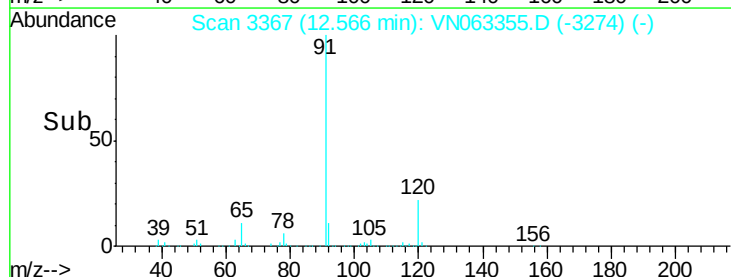
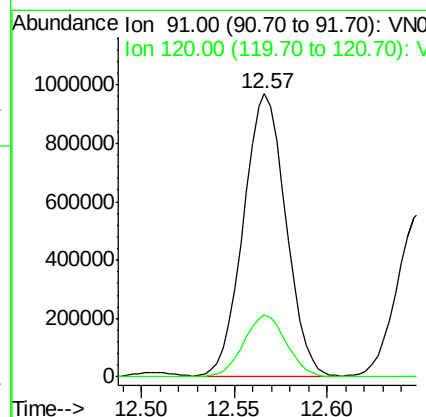
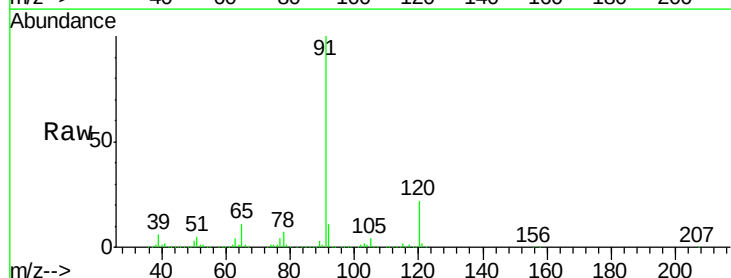
RT: 12.57 min Scan# 3367

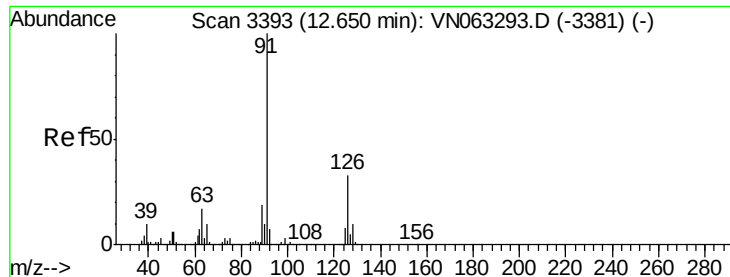
Delta R.T. -0.00 min

Lab File: VN063355.D

Acq: 14 Sep 2020 20:30

Tgt Ion:	91	Resp:	1531795
Ion Ratio	Lower	Upper	
91	100		
120	22.1	11.1	33.3





#79

2-Chlorotoluene

Concen: 45.411 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. -0.00 min

Lab File: VN063355.D

Acq: 14 Sep 2020 20:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 915214

Ion Ratio Lower Upper

91 100

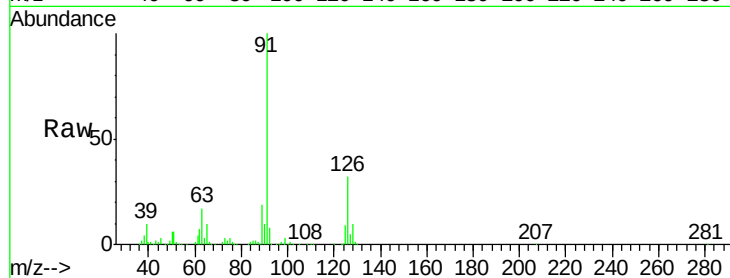
126 32.6 16.3 48.8

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN063355.D (-3300) (-)

Ion 125.90 (125.60 to 126.60): VN063355.D (-3300) (-)

1000000

800000

600000

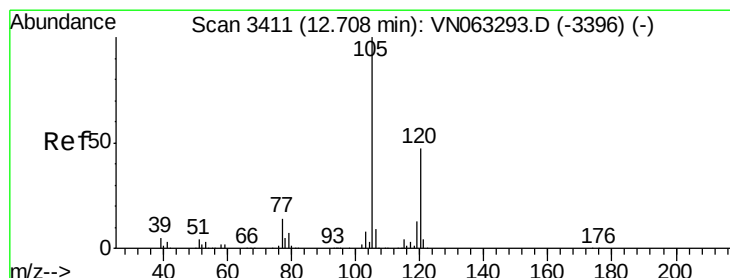
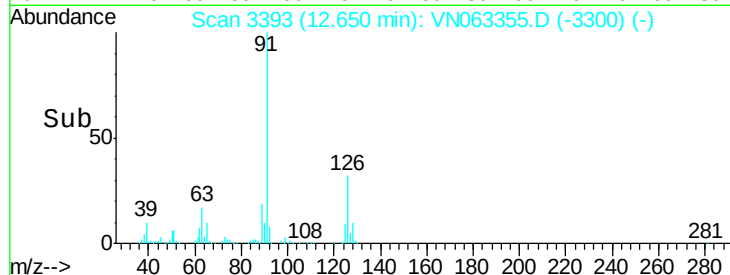
400000

200000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 46.801 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN063355.D

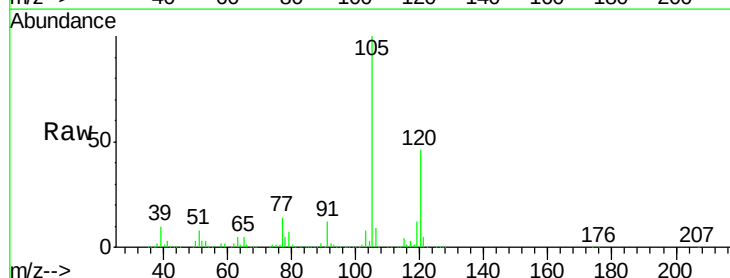
Acq: 14 Sep 2020 20:30

Tgt Ion: 105 Resp: 1121261

Ion Ratio Lower Upper

105 100

120 46.6 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VN063355.D (-3318) (-)

Ion 120.00 (119.70 to 120.70): VN063355.D (-3318) (-)

800000

600000

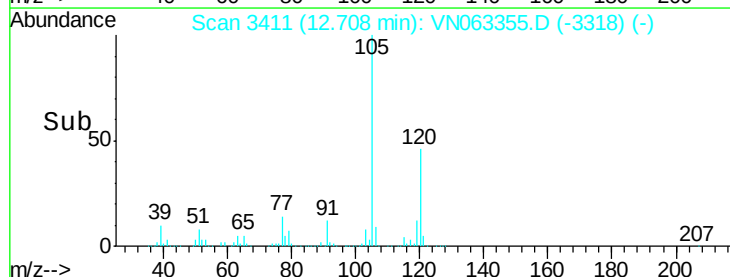
400000

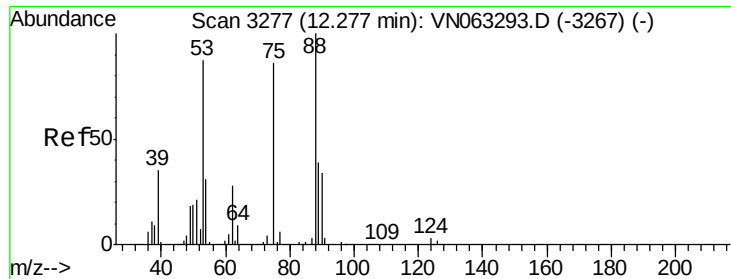
200000

0

12.65 12.70 12.75

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 45.720 ug/l

RT: 12.28 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN063355.D

Acq: 14 Sep 2020 20:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 134290

Ion Ratio Lower Upper

75 100

53 100.6 81.8 122.8

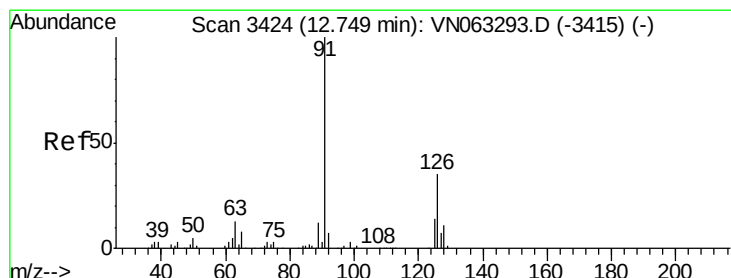
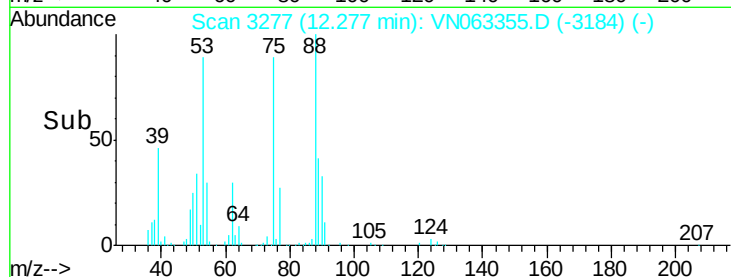
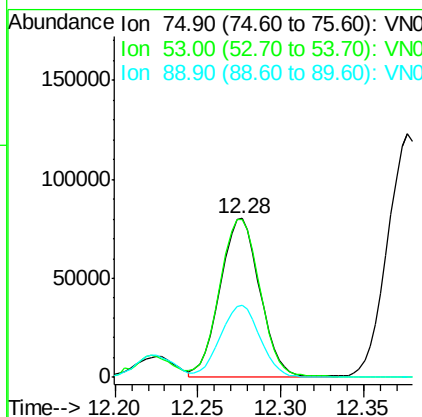
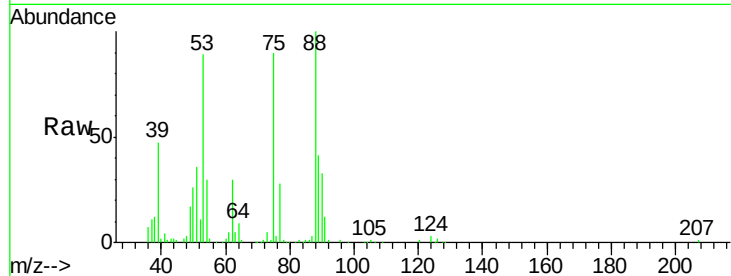
89 45.6 36.7 55.1

Manual Integrations

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#82

4-Chlorotoluene

Concen: 44.477 ug/l

RT: 12.75 min Scan# 3423

Delta R.T. -0.00 min

Lab File: VN063355.D

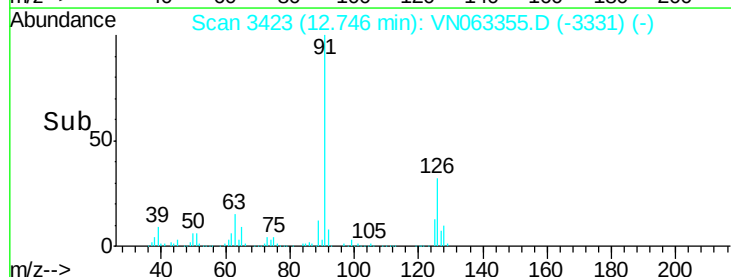
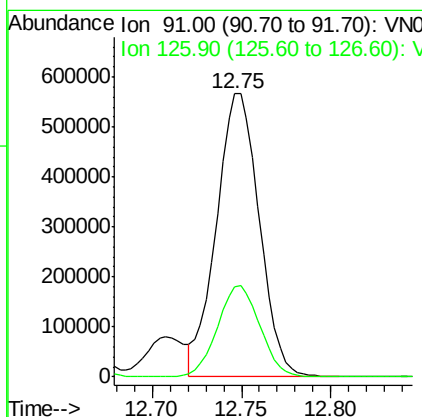
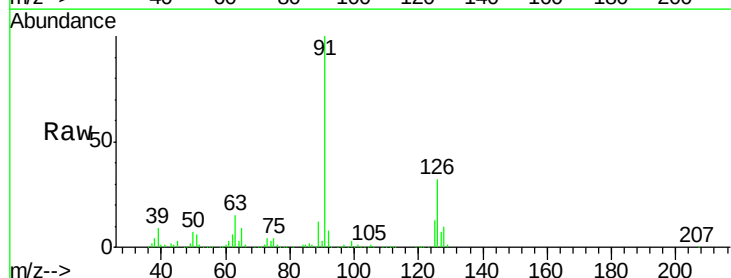
Acq: 14 Sep 2020 20:30

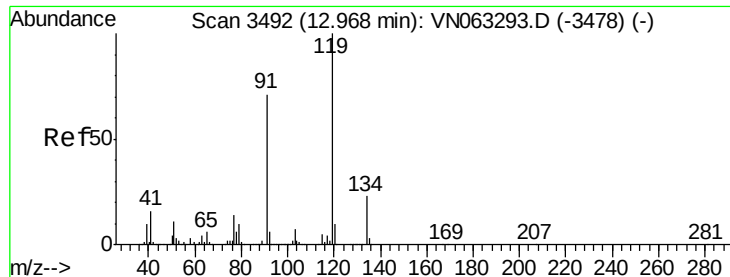
Tgt Ion: 91 Resp: 939652

Ion Ratio Lower Upper

91 100

126 32.0 15.9 47.7





#83

tert-Butylbenzene

Concen: 45.374 ug/l

RT: 12.97 min Scan# 3492

Delta R.T. -0.00 min

Lab File: VN063355.D

Acq: 14 Sep 2020 20:30

Instrument :

MSVOA_N

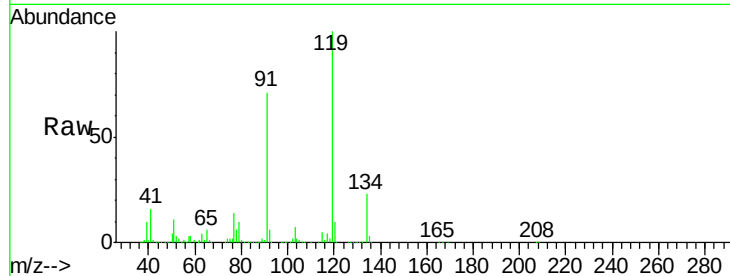
ClientSampleId :

VSTDCCC050EC

Tot Ion:	119	Resp:	921939
Ion Ratio	Lower	Upper	
119	100		
91	69.2	34.8	104.3
134	23.6	11.9	35.5

Manual Integrations
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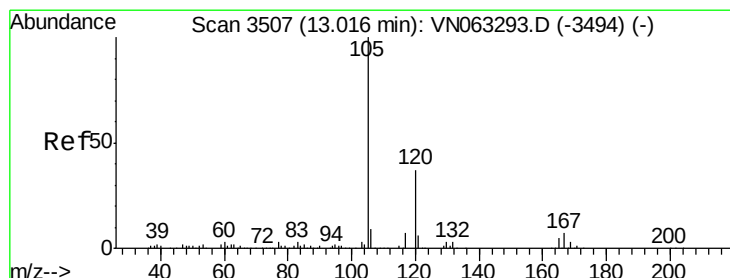
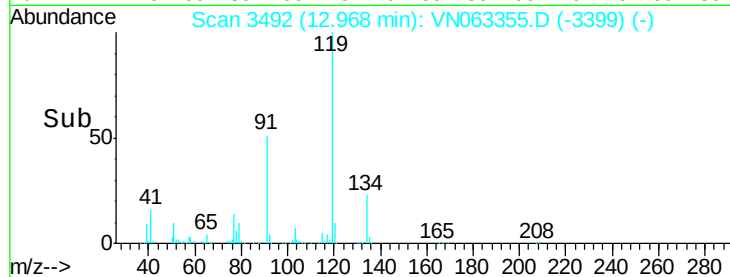
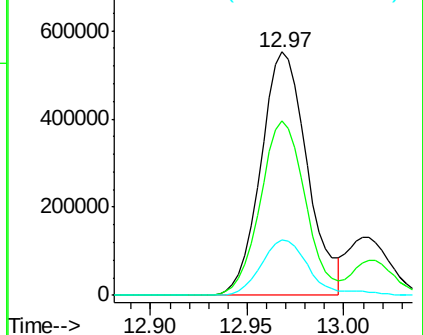
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 47.187 ug/l

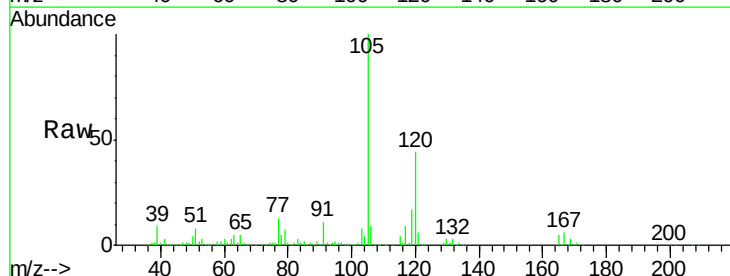
RT: 13.02 min Scan# 3507

Delta R.T. -0.00 min

Lab File: VN063355.D

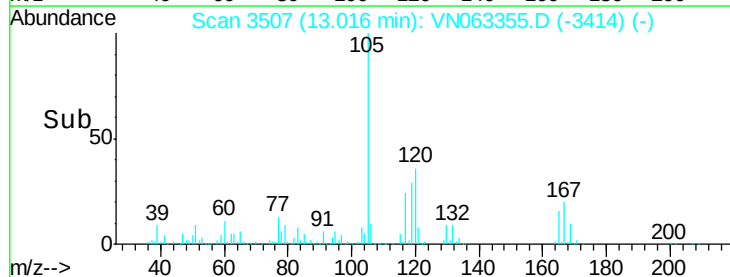
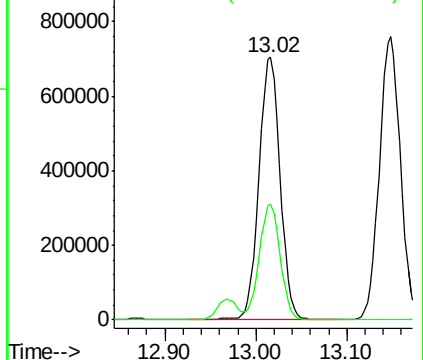
Acq: 14 Sep 2020 20:30

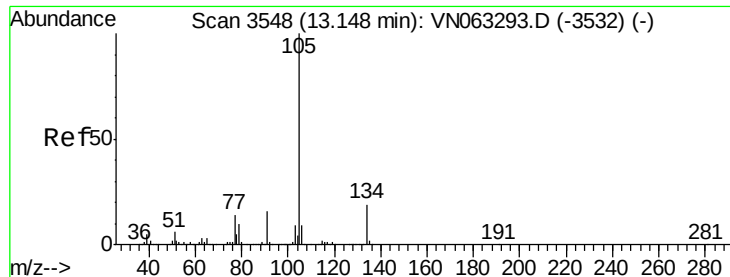
Tgt Ion:	105	Resp:	1139493
Ion Ratio	Lower	Upper	
105	100		
120	43.4	21.8	65.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 47.088 ug/l

RT: 13.15 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN063355.D

Acq: 14 Sep 2020 20:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1217257

Ion Ratio Lower Upper

105 100

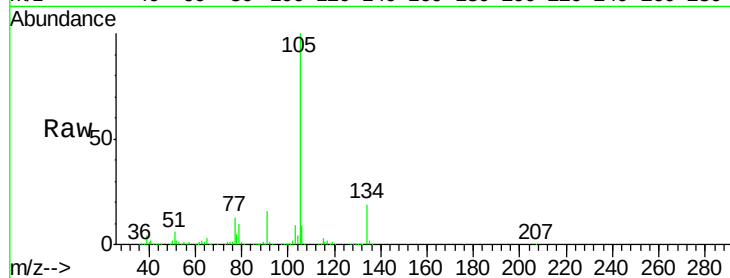
134 18.8 9.4 28.3

Manual Integrations

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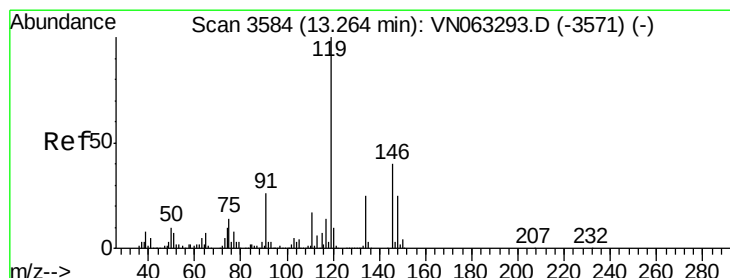
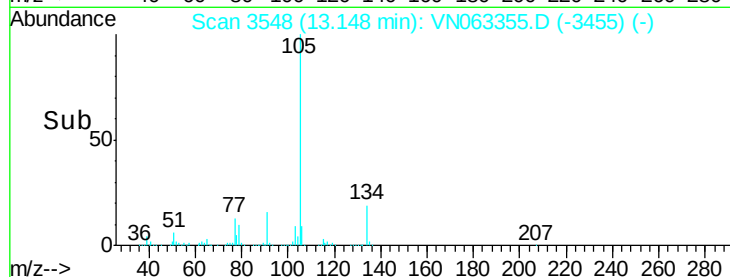
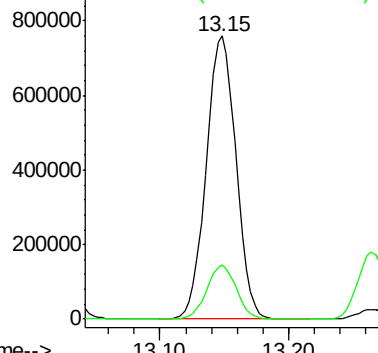
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 46.169 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN063355.D

Acq: 14 Sep 2020 20:30

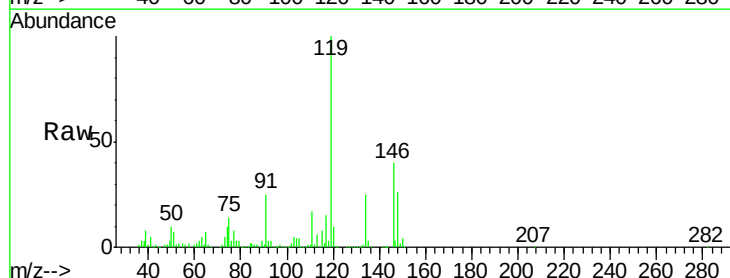
Tgt Ion:119 Resp: 1094155

Ion Ratio Lower Upper

119 100

134 25.2 12.6 37.8

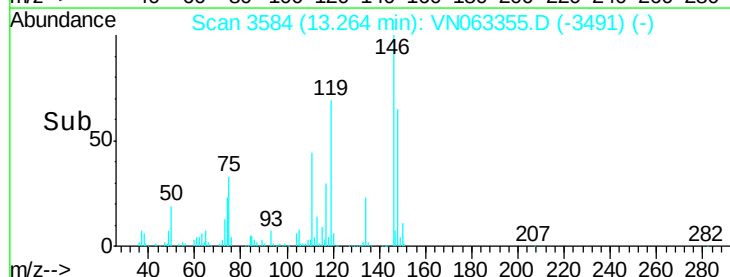
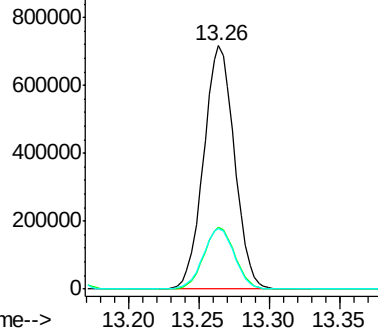
91 25.0 12.8 38.3

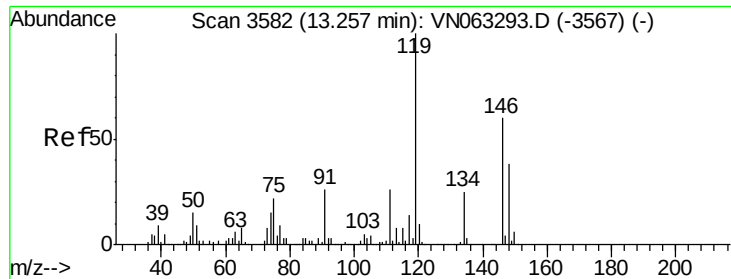


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





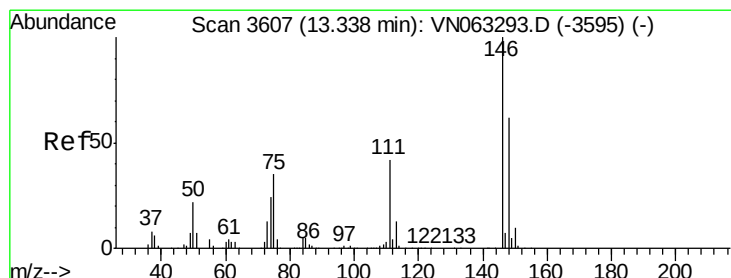
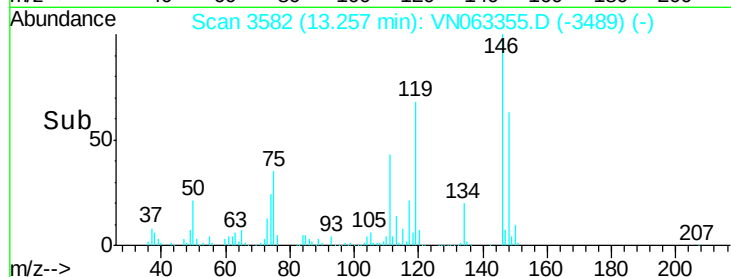
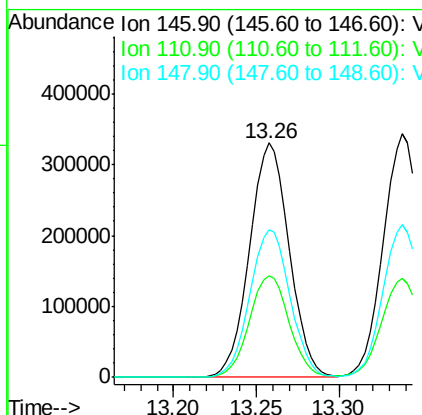
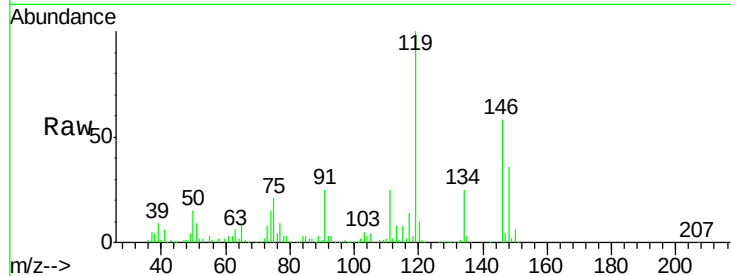
#87
 1,3-Dichlorobenzene
 Concen: 45.487 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN063355.D
 Acq: 14 Sep 2020 20:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.6	21.8	65.4
148	64.0	31.8	95.4

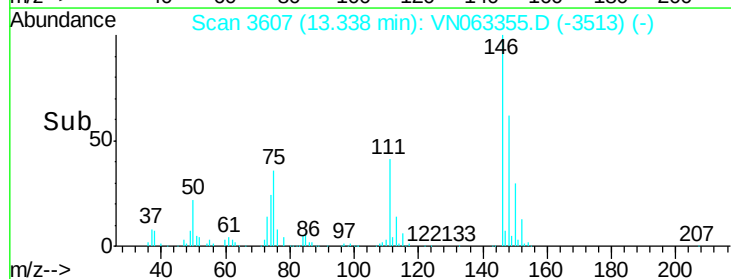
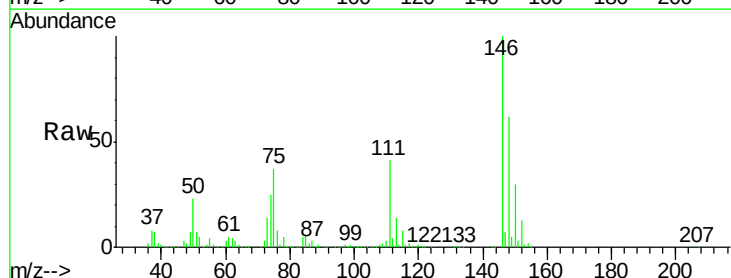
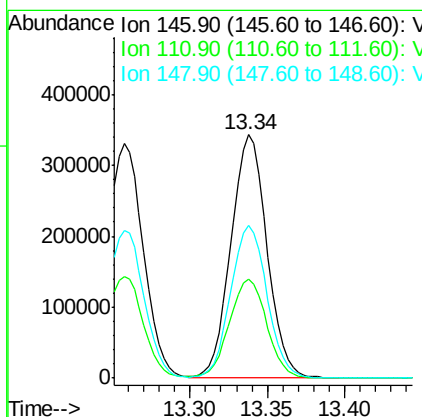
Manual Integrations
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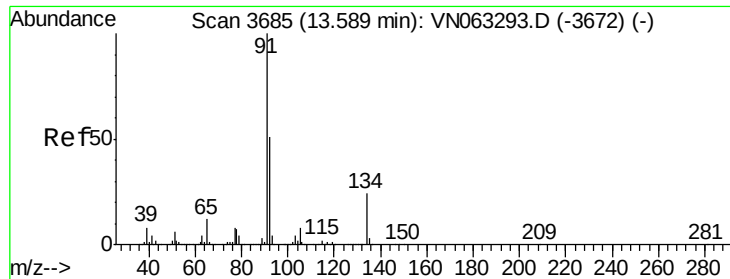
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#88
 1,4-Dichlorobenzene
 Concen: 47.532 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN063355.D
 Acq: 14 Sep 2020 20:30

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.3	64.0
148	63.6	31.5	94.5





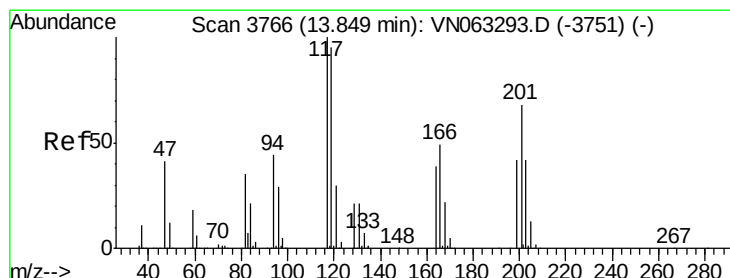
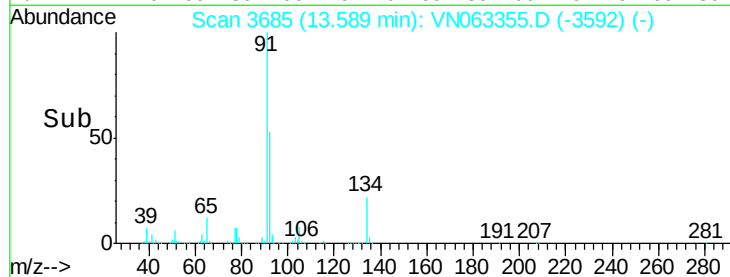
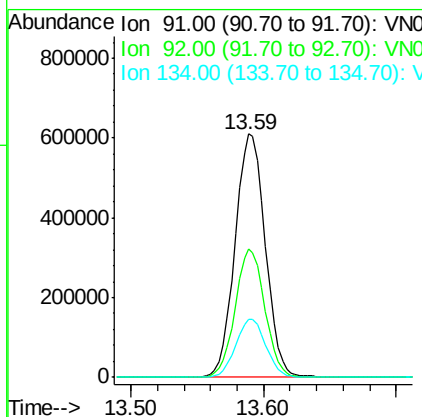
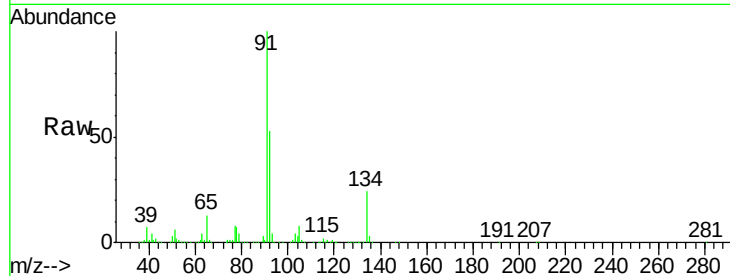
#89
n-Butylbenzene
Concen: 45.182 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN063355.D
Acq: 14 Sep 2020 20:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		966599		
92	51.8	25.8	77.3		
134	23.7	12.0	36.0		

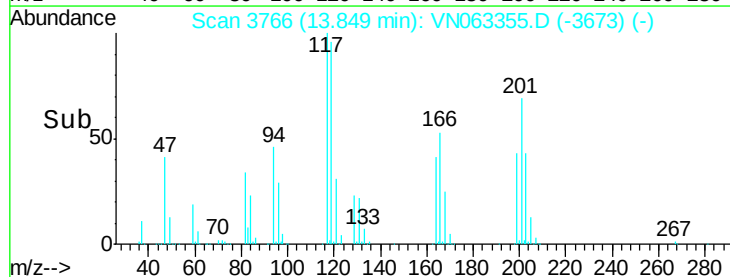
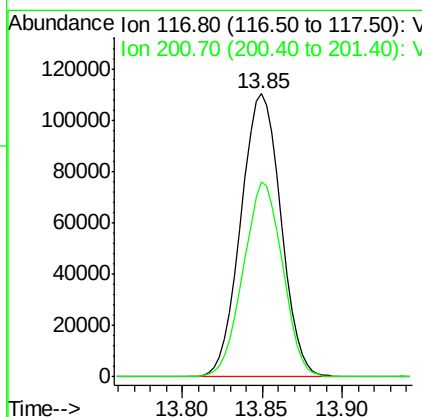
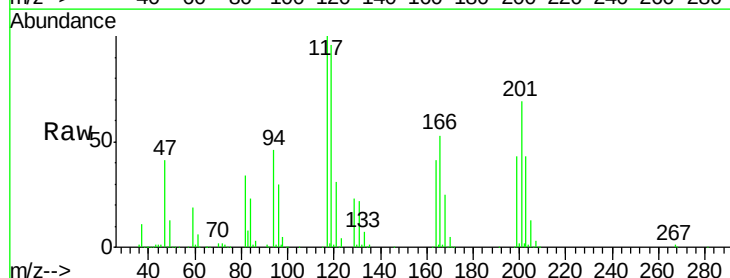
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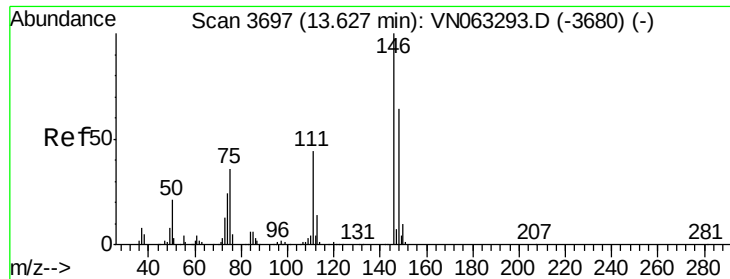
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#90
Hexachloroethane
Concen: 48.580 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN063355.D
Acq: 14 Sep 2020 20:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		189377		
201	67.6	33.5	100.4		





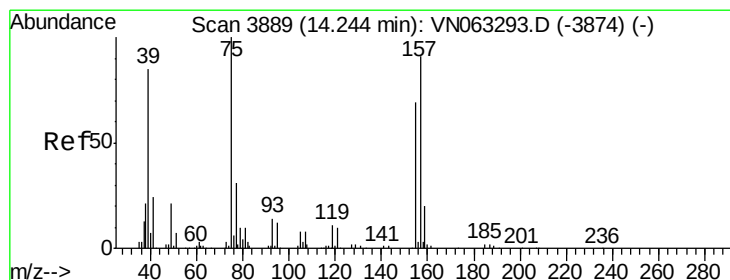
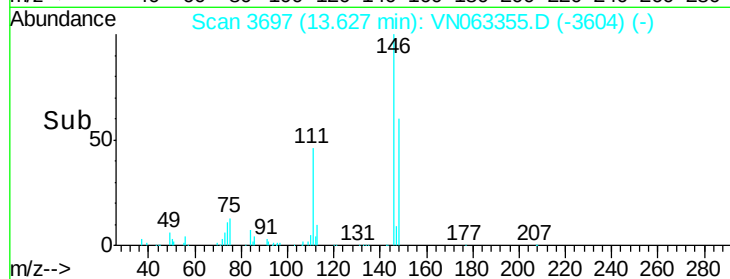
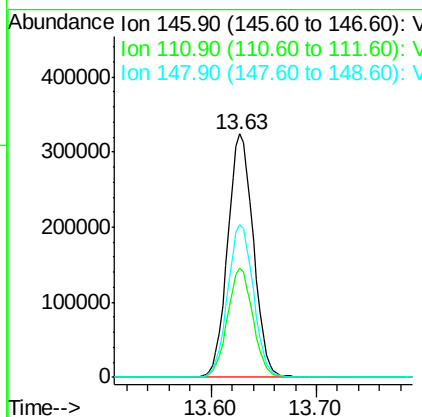
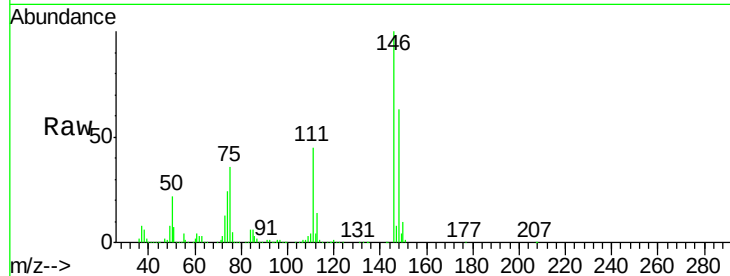
#91
 1,2-Dichlorobenzene
 Concen: 45.551 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: VN063355.D
 Acq: 14 Sep 2020 20:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	545868		
111	44.2	22.1	66.5	
148	63.0	31.8	95.3	

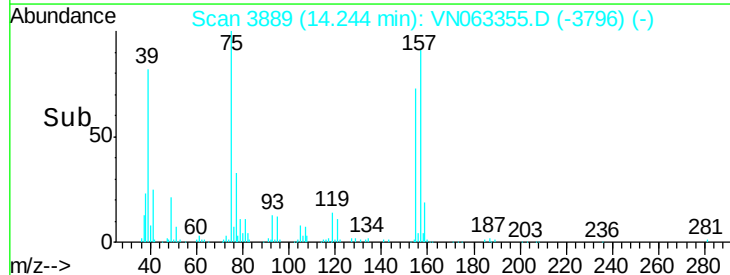
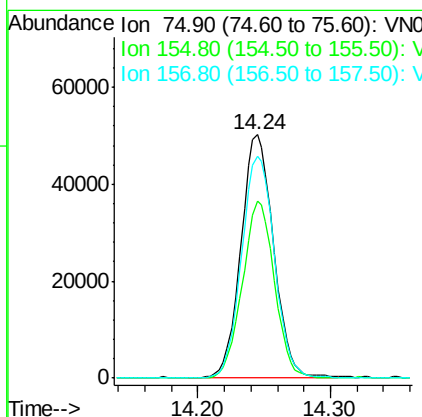
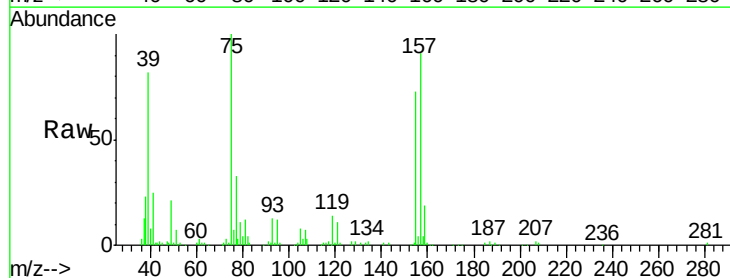
Manual Integrations
 APPROVED

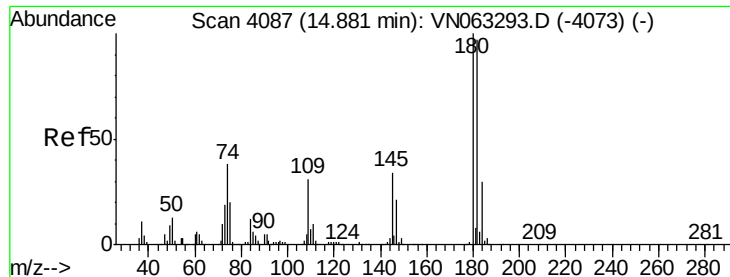
MMDadoda
 9/15/2020 1:58:44 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.699 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN063355.D
 Acq: 14 Sep 2020 20:30

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	85872		
155	71.2	35.3	105.7	
157	92.0	46.7	140.0	





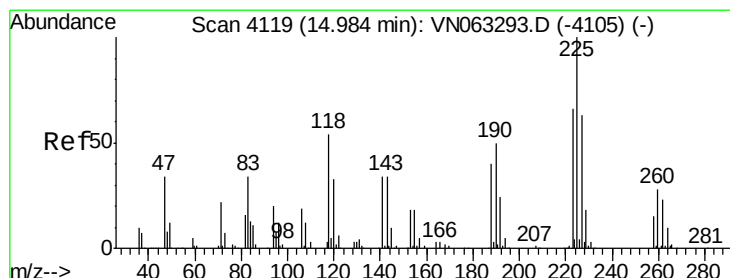
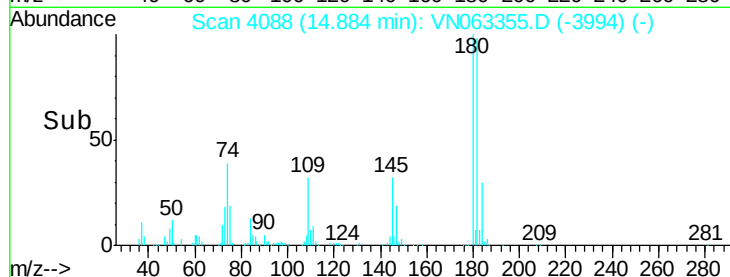
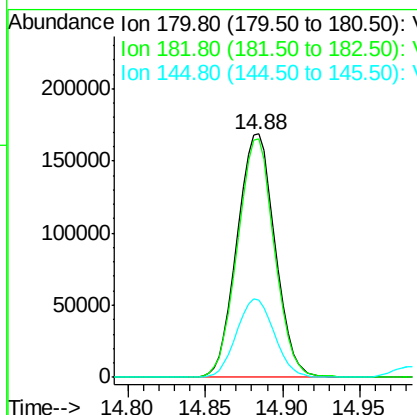
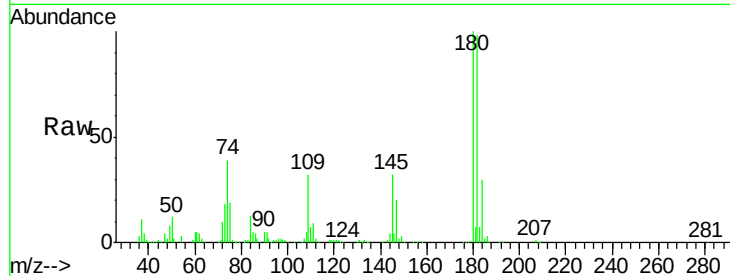
#93
 1,2,4-Trichlorobenzene
 Concen: 41.044 ug/l
 RT: 14.88 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN063355.D
 Acq: 14 Sep 2020 20:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	287902		
182	95.8	48.0	144.2	
145	32.3	16.6	49.8	

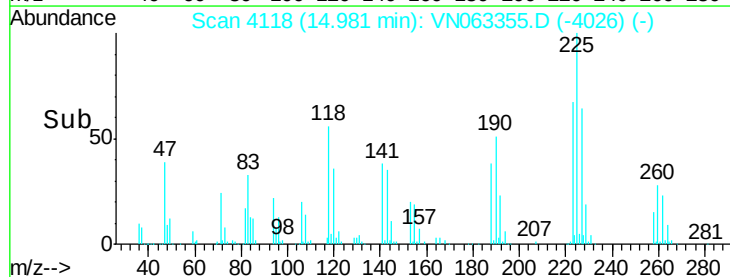
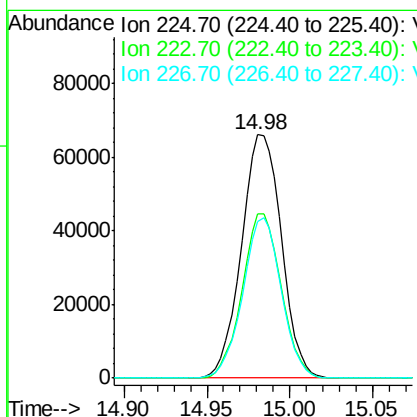
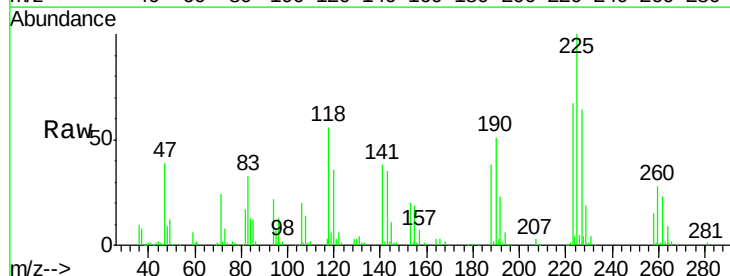
Manual Integrations
 APPROVED

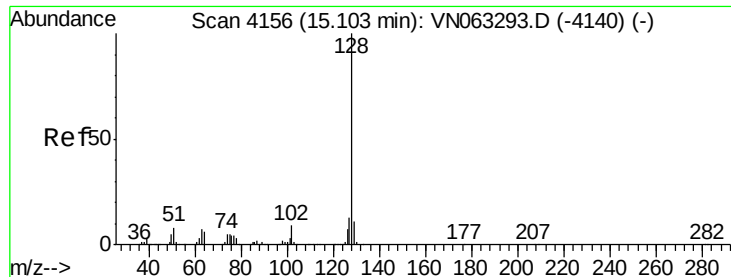
MMDadoda
 9/15/2020 1:58:44 PM



#94
 Hexachlorobutadiene
 Concen: 43.934 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN063355.D
 Acq: 14 Sep 2020 20:30

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	111477		
223	65.5	31.3	93.9	
227	63.0	31.2	93.6	





#95

Naphthalene

Concen: 44.685 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN063355.D

Acq: 14 Sep 2020 20:30

Instrument :

MSVOA_N

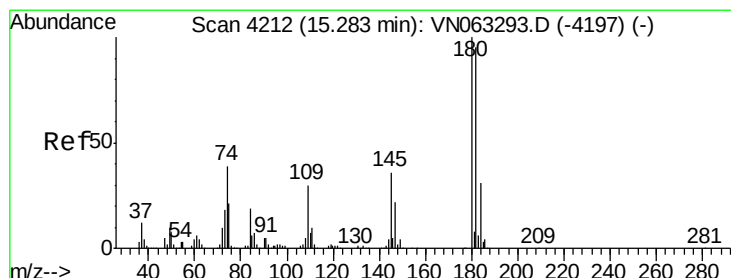
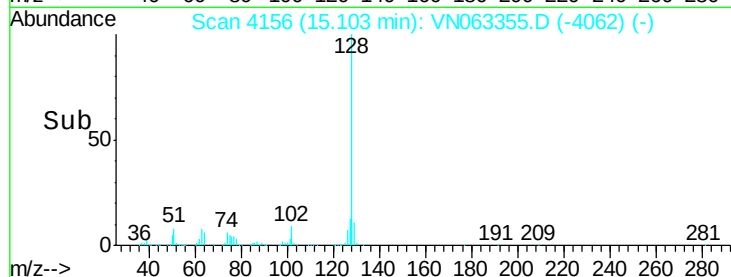
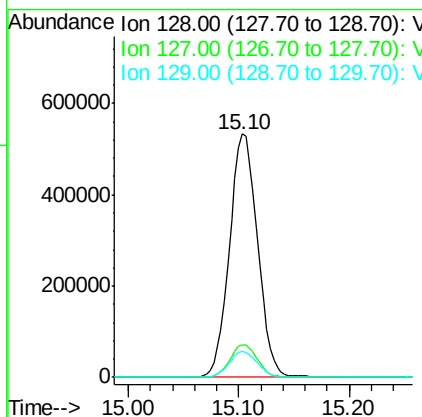
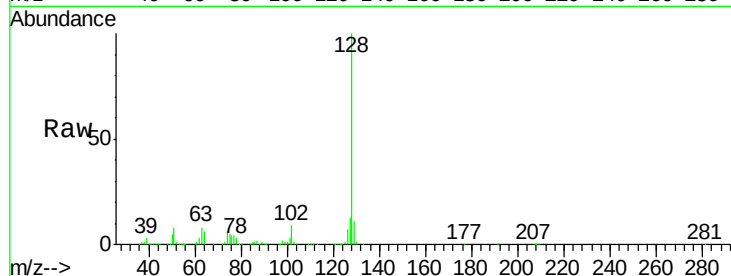
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	943355
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.3	15.5
129	10.7	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/15/2020 1:58:44 PM



#96

1,2,3-Trichlorobenzene

Concen: 43.217 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN063355.D

Acq: 14 Sep 2020 20:30

Tgt Ion:	180	Resp:	272762
Ion Ratio	Lower	Upper	
180	100		
182	95.9	47.4	142.3
145	34.7	17.2	51.6

