

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090220\
 Data File : VN063182.D
 Acq On : 2 Sep 2020 9:27
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/3/2020 9:28:40 AM

Quant Time: Sep 03 01:13:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N083120W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 01 04:21:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	453134	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	805545	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	755261	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	356877	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	344114	46.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.92%	
35) Dibromofluoromethane	7.55	113	255180	49.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.76%	
50) Toluene-d8	10.06	98	1021616	51.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.72%	
62) 4-Bromofluorobenzene	12.38	95	355103	51.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	206853	46.352	ug/l	98
3) Chloromethane	2.04	50	278869	42.915	ug/l	99
4) Vinyl Chloride	2.17	62	332905	46.378	ug/l	98
5) Bromomethane	2.54	94	298958	49.478	ug/l	98
6) Chloroethane	2.68	64	284744	49.891	ug/l	99
7) Trichlorofluoromethane	2.98	101	516604	52.349	ug/l	95
8) Diethyl Ether	3.37	74	156055	45.438	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.72	101	243795	49.968	ug/l	99
10) Methyl Iodide	3.91	142	292600	43.971	ug/l	100
11) Tert butyl alcohol	4.73	59	215656	237.178	ug/l	97
12) 1,1-Dichloroethene	3.70	96	239641	48.202	ug/l	96
13) Acrolein	3.58	56	25055	83.582	ug/l	100
14) Allyl chloride	4.27	41	425859	48.231	ug/l	96
15) Acrylonitrile	4.93	53	587016	230.667	ug/l	100
16) Acetone	3.77	43	602573	286.161	ug/l	99
17) Carbon Disulfide	4.01	76	670353	45.301	ug/l	100
18) Methyl Acetate	4.28	43	267513	49.547	ug/l	98
19) Methyl tert-butyl Ether	4.98	73	875342	47.462	ug/l	97
20) Methylene Chloride	4.50	84	282918	47.760	ug/l	94
21) trans-1,2-Dichloroethene	4.99	96	273557	49.804	ug/l	91
22) Diisopropyl ether	5.90	45	954261	48.228	ug/l	95
23) Vinyl Acetate	5.84	43	3977476	251.933	ug/l	99
24) 1,1-Dichloroethane	5.80	63	526061	48.228	ug/l	99
25) 2-Butanone	6.78	43	879028	269.600	ug/l	100
26) 2,2-Dichloropropane	6.77	77	490425	49.624	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	321405	48.142	ug/l	100
28) Bromochloromethane	7.15	49	259668	45.566	ug/l	97
29) Tetrahydrofuran	7.16	42	549249	243.625	ug/l	99
30) Chloroform	7.33	83	558152	48.909	ug/l	96
31) Cyclohexane	7.61	56	463114	48.113	ug/l	99
32) 1,1,1-Trichloroethane	7.53	97	497024	50.542	ug/l	100
36) 1,1-Dichloropropene	7.75	75	415773	53.689	ug/l	99
37) Ethyl Acetate	6.88	43	369181	50.483	ug/l #	95
38) Carbon Tetrachloride	7.73	117	422954	53.855	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	474223	54.509	ug/l	99
40) Benzene	8.00	78	1217710	53.509	ug/l	99
41) Methacrylonitrile	7.13	41	186292	57.103	ug/l	94
42) 1,2-Dichloroethane	8.08	62	459112	54.008	ug/l	100
43) Isopropyl Acetate	8.12	43	674556	53.411	ug/l #	92
44) Trichloroethene	8.80	130	316552	57.348	ug/l	99
45) 1,2-Dichloropropane	9.08	63	311603	51.716	ug/l	96
46) Dibromomethane	9.17	93	214459	53.710	ug/l	98
47) Bromodichloromethane	9.37	83	456432	53.330	ug/l	100
48) Methyl methacrylate	9.16	41	306351	53.808	ug/l	97
49) 1,4-Dioxane	9.17	88	94358	1071.519	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	1918969	279.612	ug/l	99
52) Toluene	10.12	92	783474	55.267	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	500189	53.428	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	526445	53.571	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	290483	53.505	ug/l	98
56) Ethyl methacrylate	10.40	69	442969	53.614	ug/l	99
57) 1,3-Dichloropropane	10.68	76	519703	53.734	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	920909	215.242	ug/l	99
59) 2-Hexanone	10.72	43	1452301	301.108	ug/l	99
60) Dibromochloromethane	10.87	129	335722	55.933	ug/l	99
61) 1,2-Dibromoethane	10.98	107	304095	53.882	ug/l	98
64) Tetrachloroethene	10.60	164	320726	59.136	ug/l	98
65) Chlorobenzene	11.41	112	804963	52.917	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	299890	53.098	ug/l	99
67) Ethyl Benzene	11.49	91	1526813	55.019	ug/l	98
68) m/p-Xylenes	11.60	106	1122529	109.216	ug/l	100
69) o-Xylene	11.92	106	532857	53.667	ug/l	97
70) Styrene	11.94	104	936519	54.883	ug/l	100
71) Bromoform	12.10	173	206645	53.914	ug/l #	98
73) Isopropylbenzene	12.23	105	1475701	53.913	ug/l	99
74) N-amyl acetate	12.05	43	591582	52.177	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	382099	48.419	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	343932m	49.050	ug/l	
77) Bromobenzene	12.50	156	326692	52.774	ug/l	95
78) n-propylbenzene	12.57	91	1752757	55.338	ug/l	99
79) 2-Chlorotoluene	12.65	91	993580	52.374	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	1256002	55.128	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.28	75	139860	48.209	ug/l	96
82) 4-Chlorotoluene	12.75	91	1048496	53.290	ug/l	100
83) tert-Butylbenzene	12.97	119	1029131	52.669	ug/l	99
84) 1,2,4-Trimethylbenzene	13.02	105	1270636	55.329	ug/l	97
85) sec-Butylbenzene	13.15	105	1427745	56.065	ug/l	100
86) p-Isopropyltoluene	13.26	119	1270652	56.201	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	618485	54.386	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	613529	52.103	ug/l	100
89) n-Butylbenzene	13.59	91	1198105	57.361	ug/l	99
90) Hexachloroethane	13.85	117	211187	50.460	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	604109	54.741	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	83808	48.306	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	338559	54.912	ug/l	99
94) Hexachlorobutadiene	14.98	225	124159	53.906	ug/l	99
95) Naphthalene	15.11	128	1063397	51.696	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	320668	53.384	ug/l	99

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

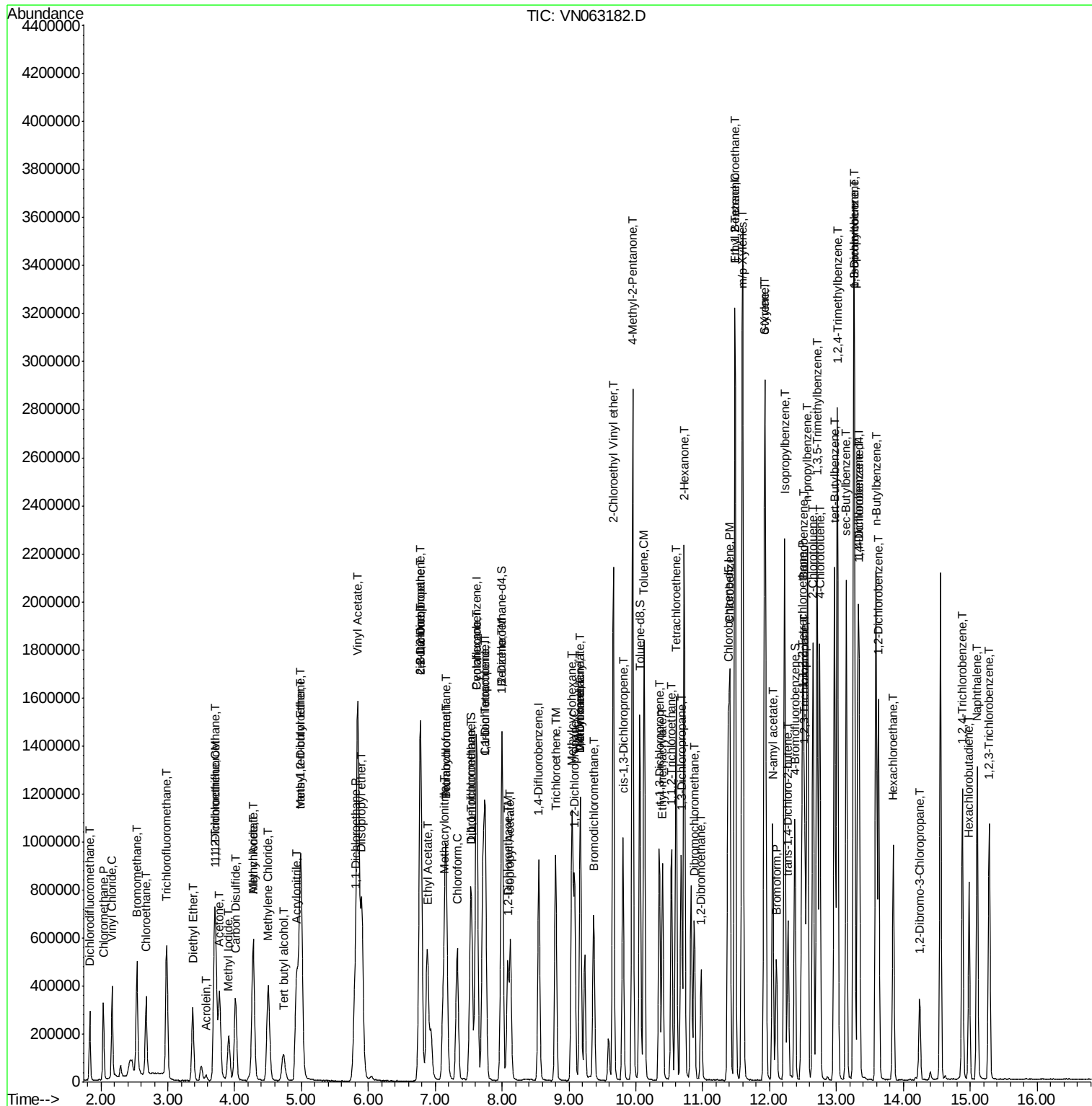
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090220\
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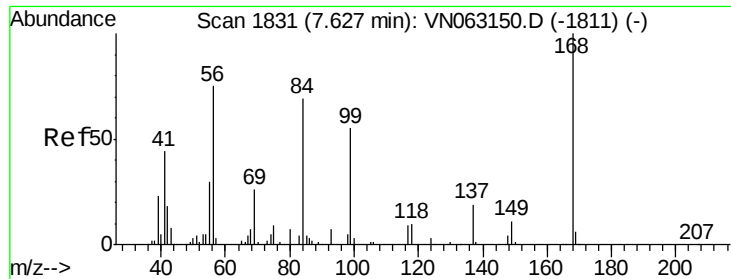
Instrument :
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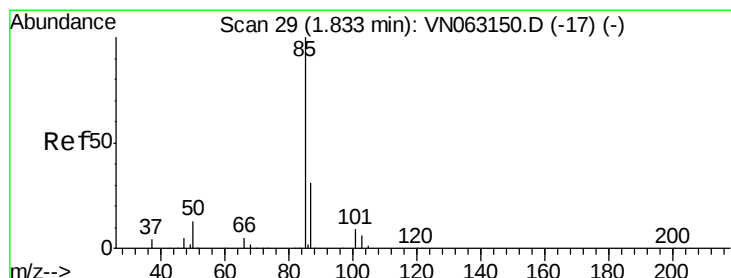
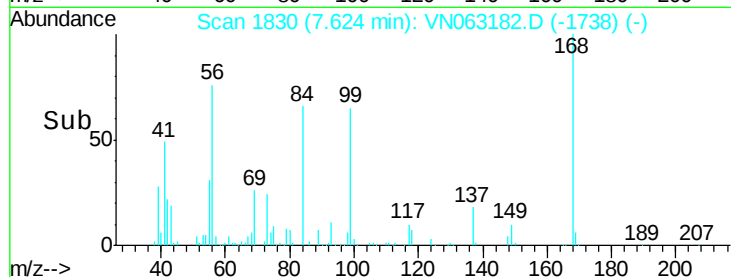
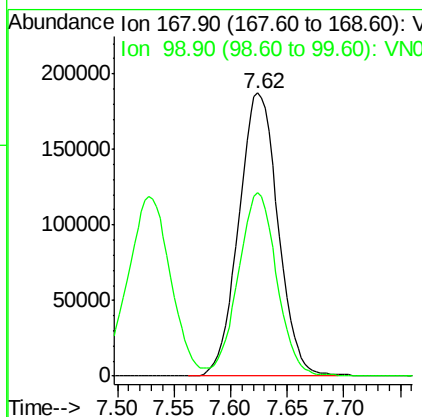
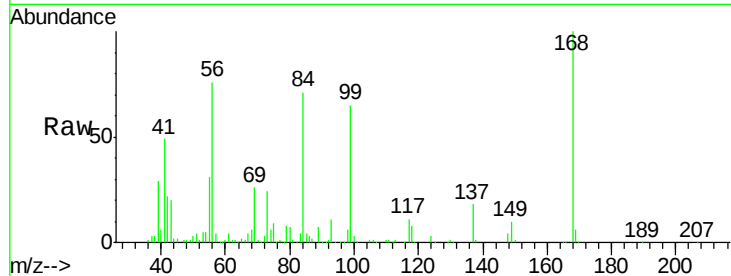
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.62 min Scan# 1830
Delta R.T. -0.00 min
Lab File: VN063182.D
Acq: 2 Sep 2020 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
168	100		453134		
99	64.5	54.2	81.2		

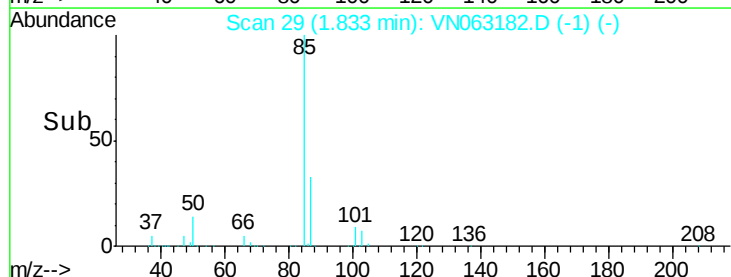
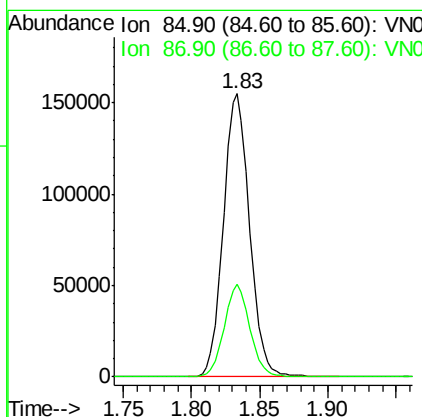
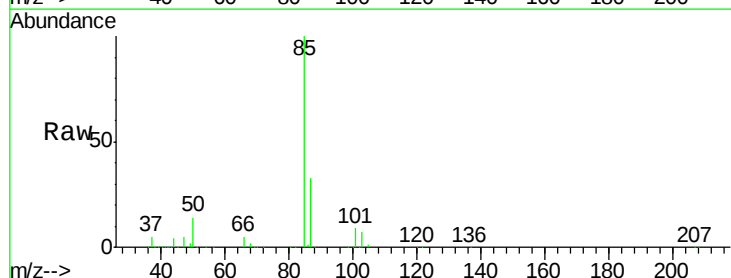
Manual Integrations
APPROVED

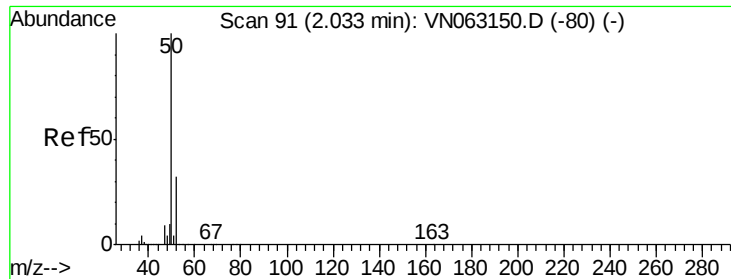
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#2
Dichlorodifluoromethane
Concen: 46.352 ug/l
RT: 1.83 min Scan# 29
Delta R.T. 0.00 min
Lab File: VN063182.D
Acq: 2 Sep 2020 9:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
85	100		206853		
87	32.6	15.6	46.8		





#3

Chloromethane

Concen: 42.915 ug/l

RT: 2.04 min Scan# 92

Delta R.T. 0.00 min

Lab File: VN063182.D

Acq: 2 Sep 2020 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 278869

Ion Ratio Lower Upper

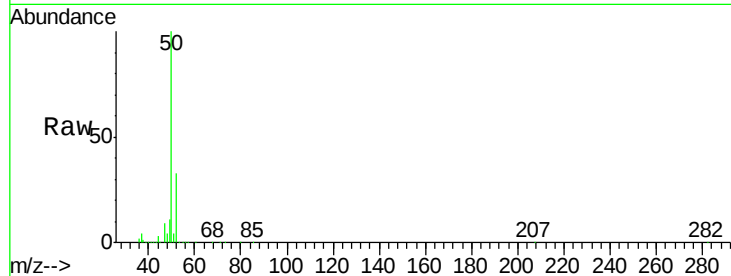
50 100

52 32.7 25.8 38.6

Manual Integrations
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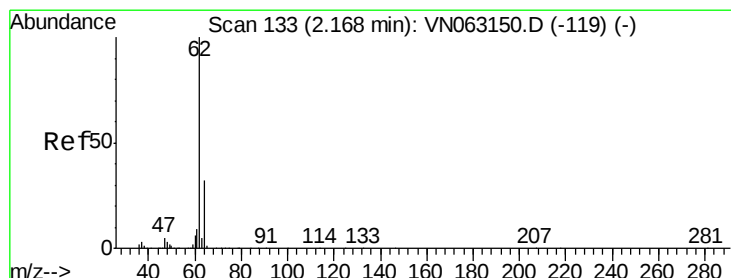
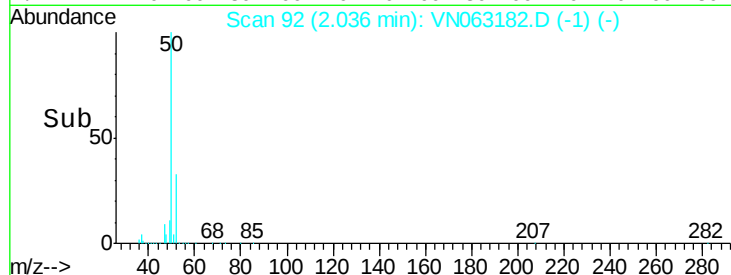
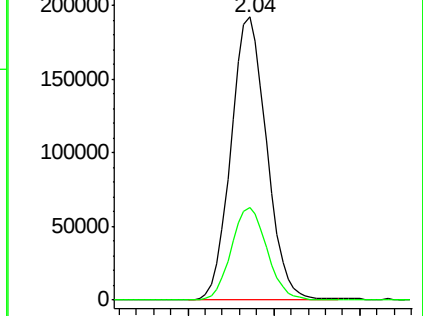
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 46.378 ug/l

RT: 2.17 min Scan# 133

Delta R.T. 0.00 min

Lab File: VN063182.D

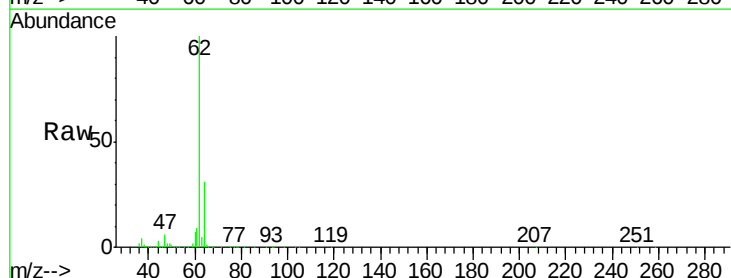
Acq: 2 Sep 2020 9:27

Tgt Ion: 62 Resp: 332905

Ion Ratio Lower Upper

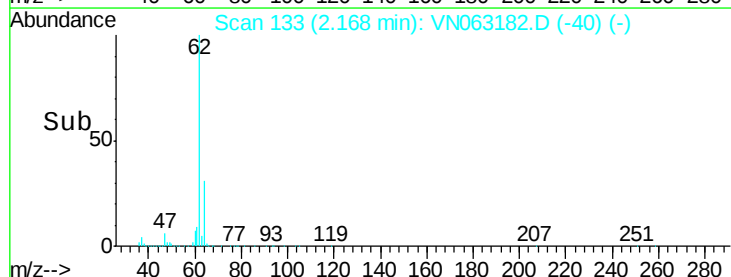
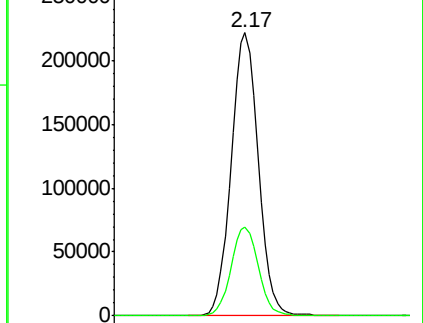
62 100

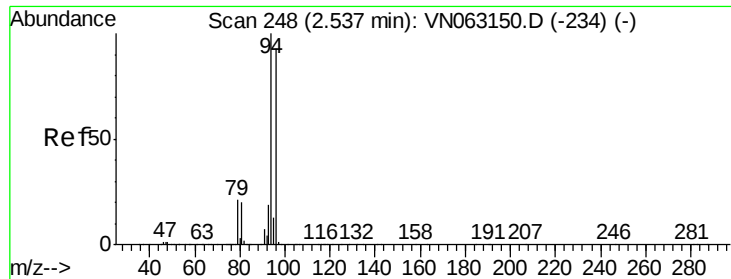
64 31.3 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 49.478 ug/l

RT: 2.54 min Scan# 248

Delta R.T. 0.00 min

Lab File: VN063182.D

Acq: 2 Sep 2020 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 298958

Ion Ratio Lower Upper

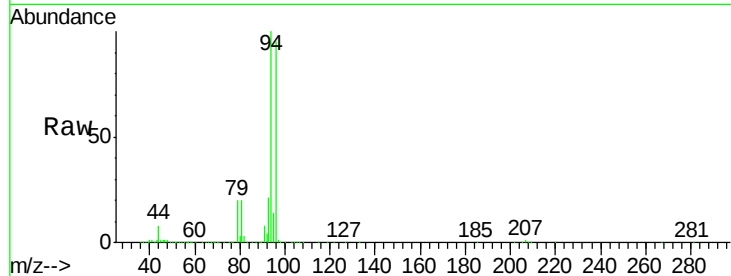
94 100

96 95.2 74.4 111.6

Manual Integrations
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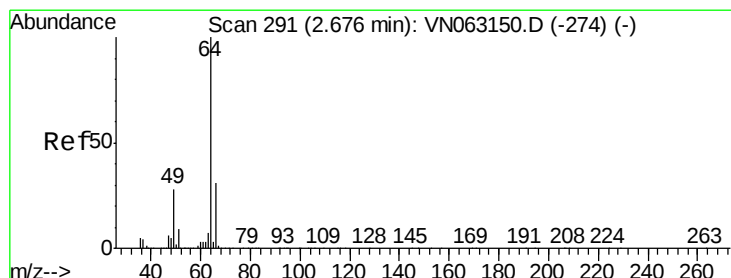
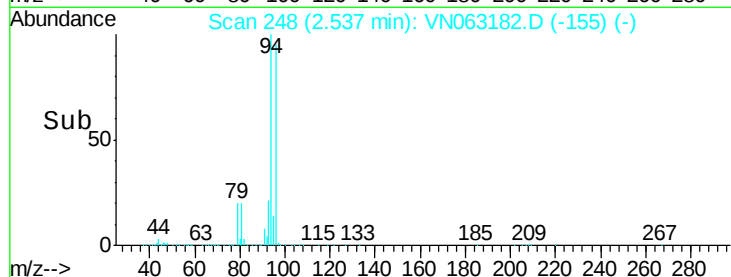
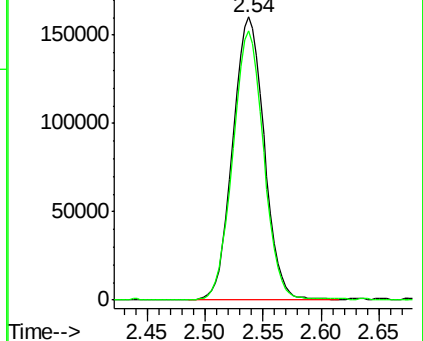
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 49.891 ug/l

RT: 2.68 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN063182.D

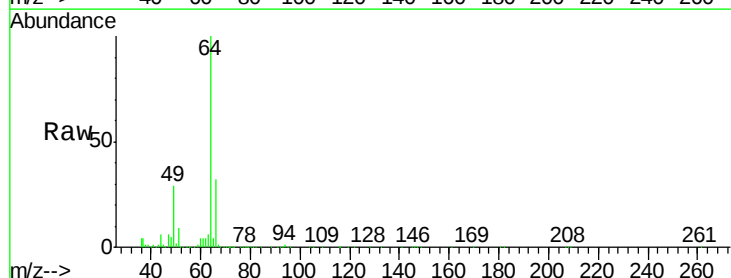
Acq: 2 Sep 2020 9:27

Tgt Ion: 64 Resp: 284744

Ion Ratio Lower Upper

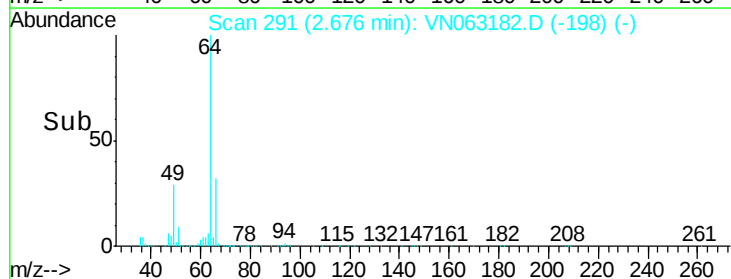
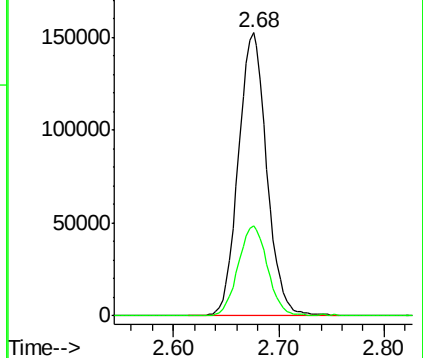
64 100

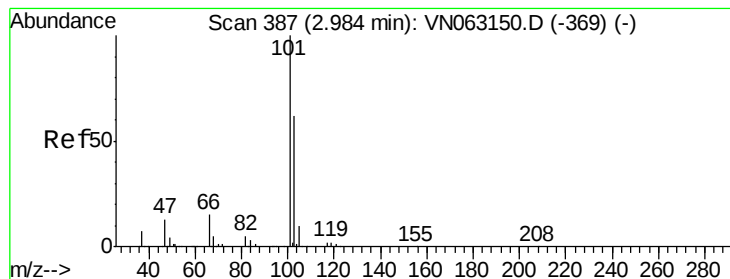
66 31.7 24.7 37.1



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

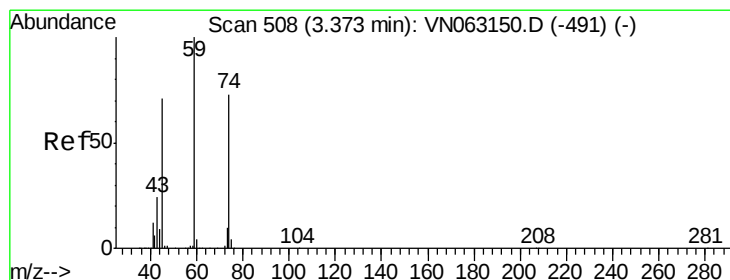
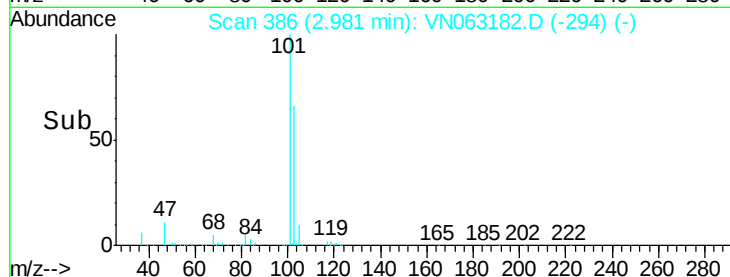
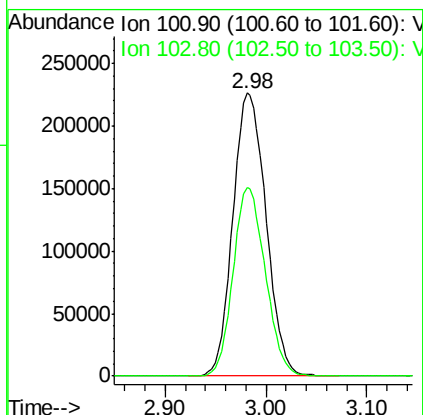
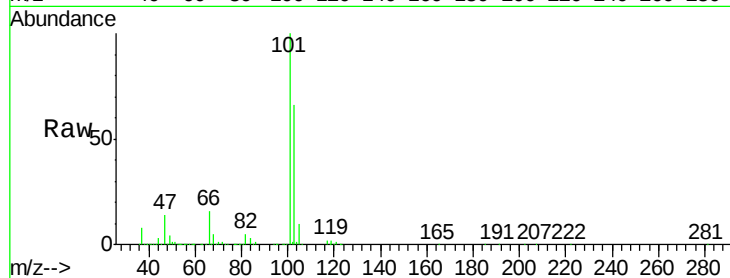
Trichlorofluoromethane
 Concen: 52.349 ug/l
 RT: 2.98 min Scan# 386
 Delta R.T. -0.00 min
 Lab File: VN063182.D
 Acq: 2 Sep 2020 9:27

Instrument :
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 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.3	49.7	74.5

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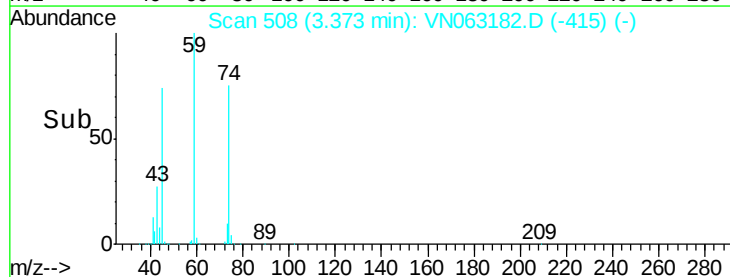
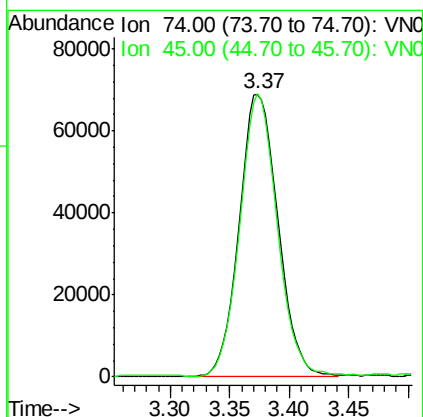
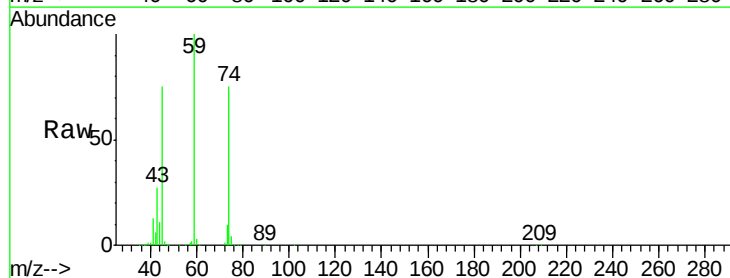
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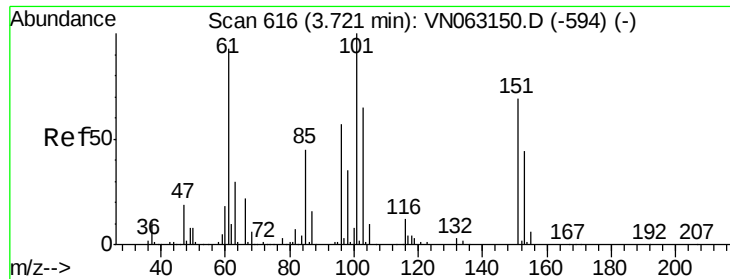


#8

Diethyl Ether
 Concen: 45.438 ug/l
 RT: 3.37 min Scan# 508
 Delta R.T. 0.00 min
 Lab File: VN063182.D
 Acq: 2 Sep 2020 9:27

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.9	49.5	148.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.968 ug/l

RT: 3.72 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN063182.D

Acq: 2 Sep 2020 9:27

Instrument :

MSVOA_N

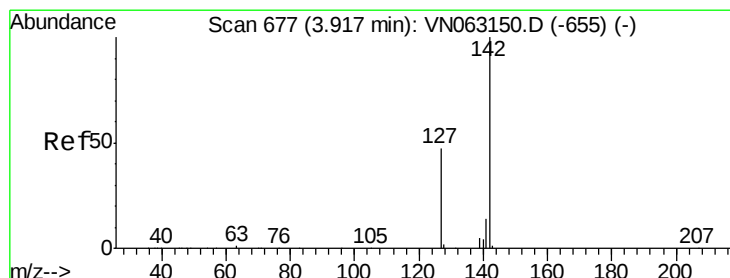
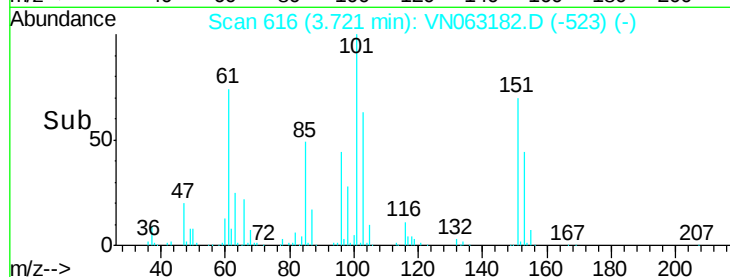
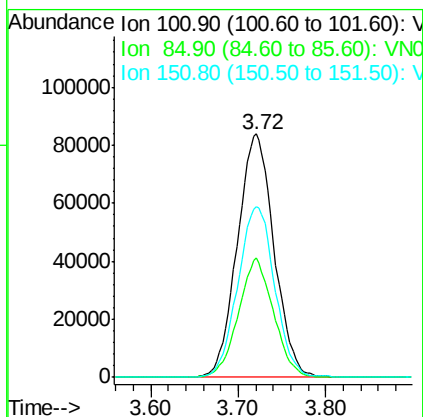
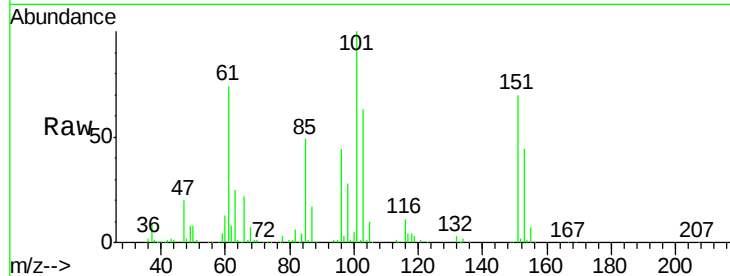
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	243795
Ion Ratio	Lower	Upper	
101	100		
85	46.9	37.8	56.8
151	70.4	55.0	82.4

Manual Integrations
APPROVED

MMDadoda
9/3/2020 9:28:40 AM



#10

Methyl Iodide

Concen: 43.971 ug/l

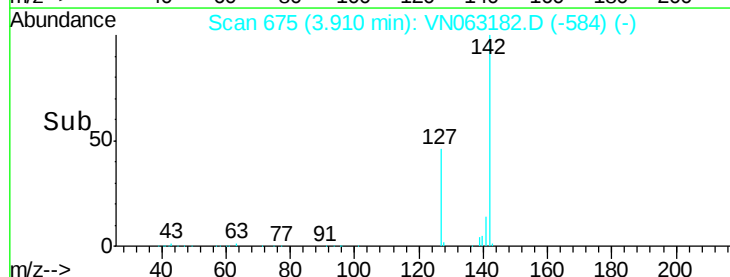
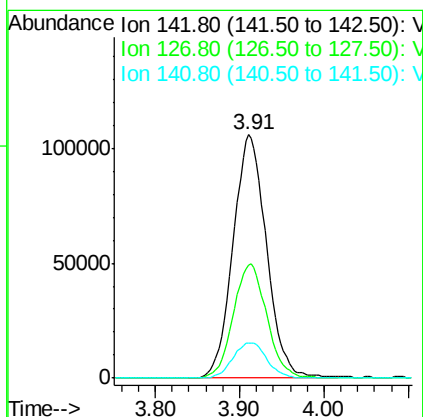
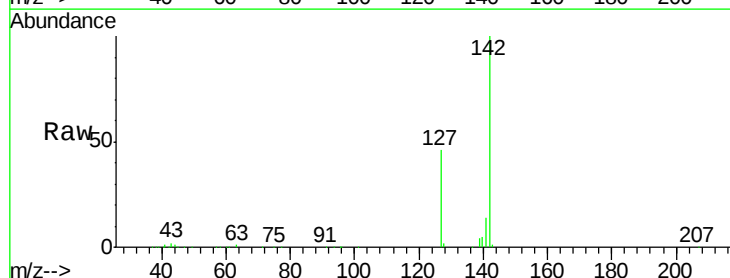
RT: 3.91 min Scan# 675

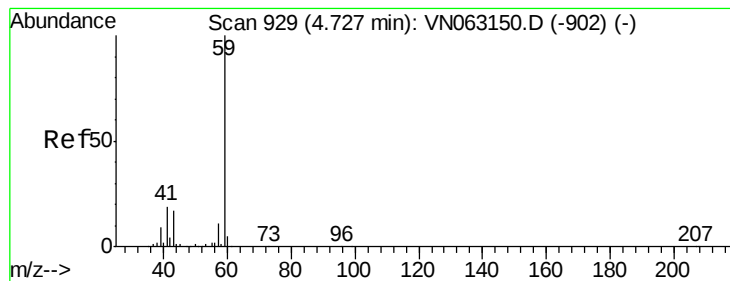
Delta R.T. -0.01 min

Lab File: VN063182.D

Acq: 2 Sep 2020 9:27

Tgt Ion:	142	Resp:	292600
Ion Ratio	Lower	Upper	
142	100		
127	46.9	37.6	56.4
141	14.7	11.3	16.9





#11

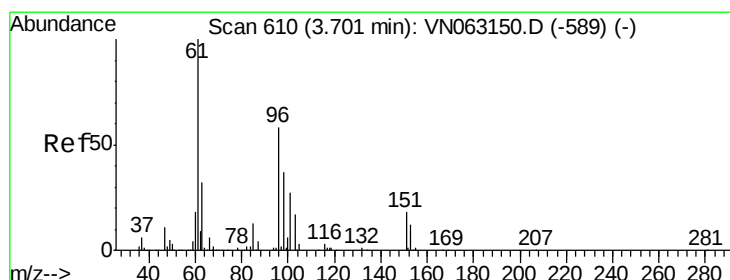
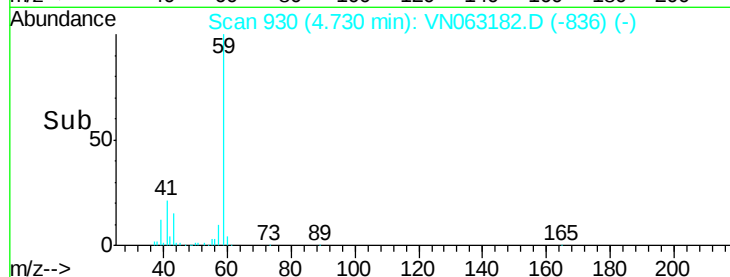
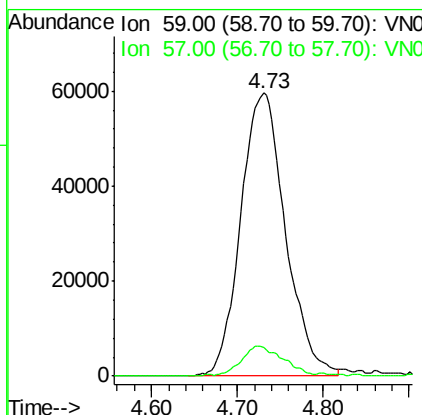
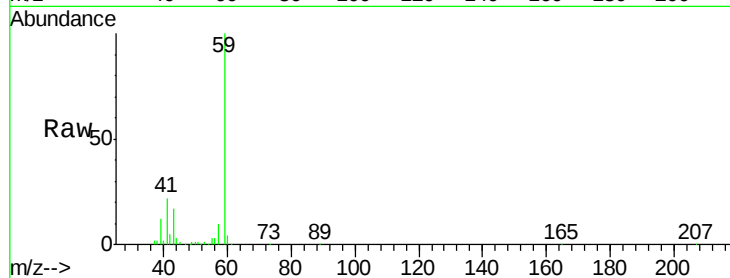
Tert butyl alcohol
Concen: 237.178 ug/l
RT: 4.73 min Scan# 930
Delta R.T. 0.00 min
Lab File: VN063182.D
Acq: 2 Sep 2020 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
59	100	215656		
57	9.3		8.4	12.6

Manual Integrations
APPROVED

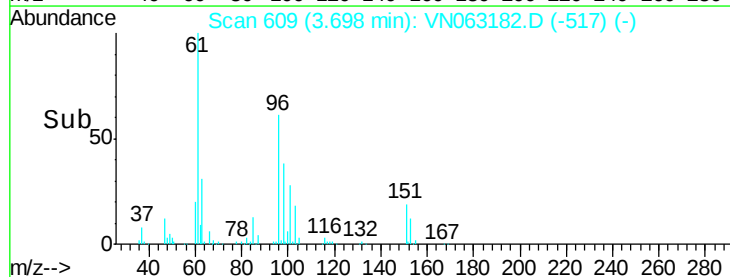
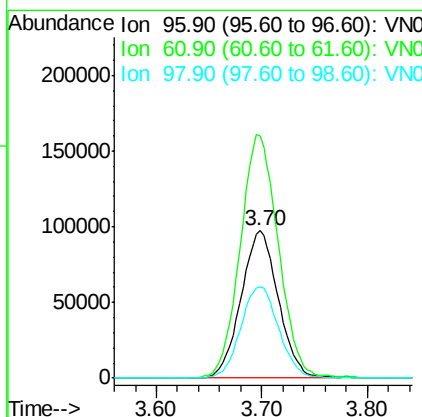
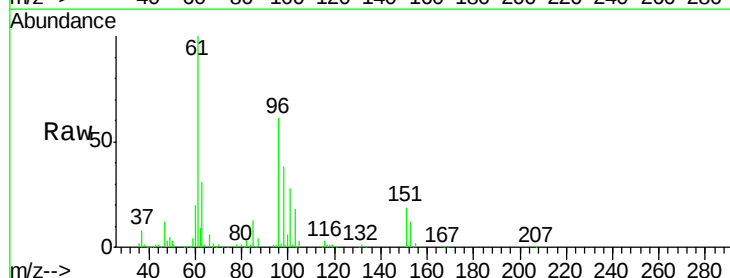
MMDadoda
9/3/2020 9:28:40 AM

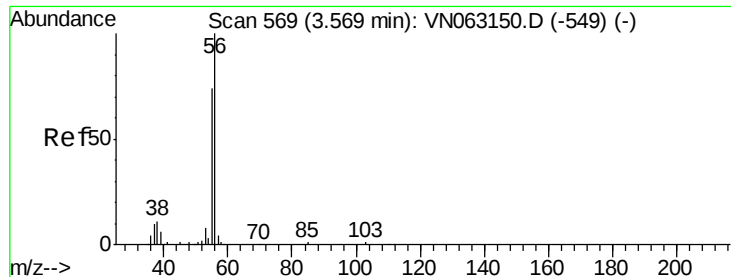


#12

1,1-Dichloroethene
Concen: 48.202 ug/l
RT: 3.70 min Scan# 609
Delta R.T. -0.00 min
Lab File: VN063182.D
Acq: 2 Sep 2020 9:27

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	239641		
61	164.7		137.4	206.2
98	62.4		50.5	75.7





#13

Acrolein

Concen: 83.582 ug/l

RT: 3.58 min Scan# 571

Delta R.T. 0.01 min

Lab File: VN063182.D

Acq: 2 Sep 2020 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 25055

Ion Ratio Lower Upper

56 100

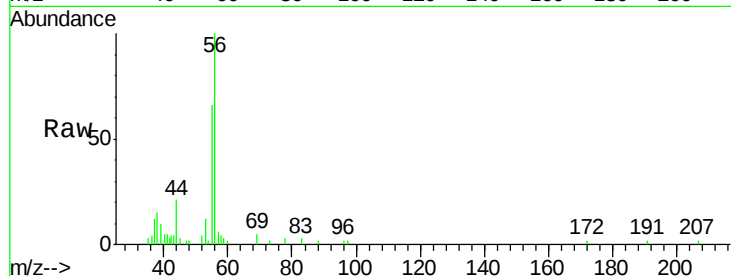
55 69.6 55.4 83.0

Manual Integrations

APPROVED

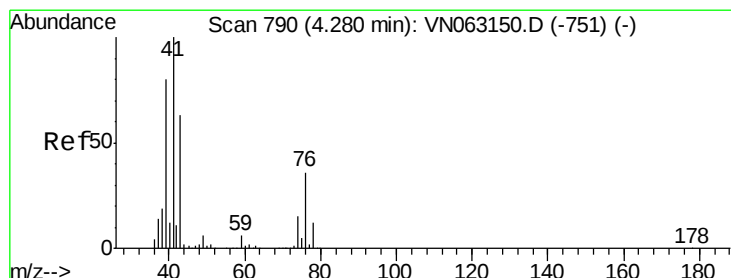
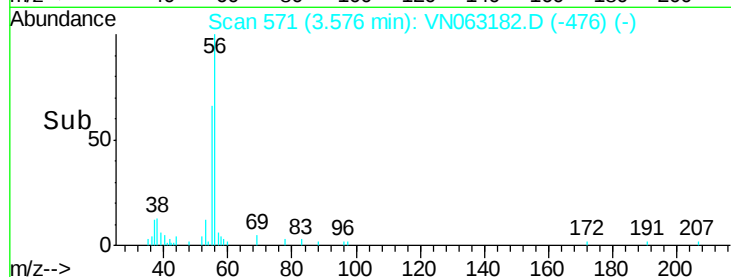
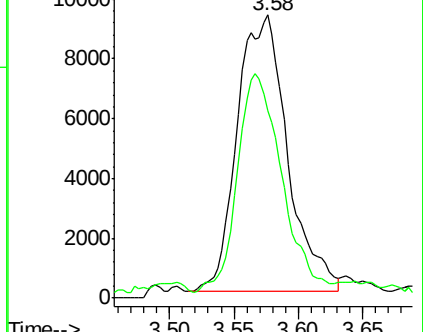
MMDadoda

9/3/2020 9:28:40 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 48.231 ug/l

RT: 4.27 min Scan# 788

Delta R.T. -0.01 min

Lab File: VN063182.D

Acq: 2 Sep 2020 9:27

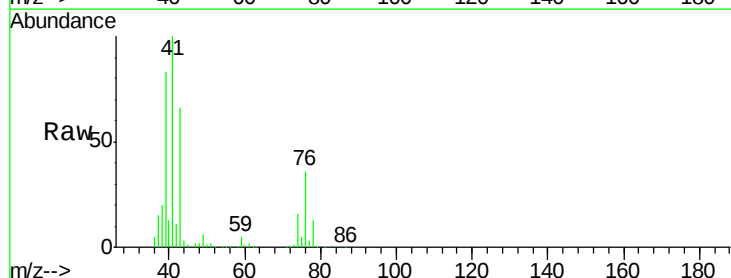
Tgt Ion: 41 Resp: 425859

Ion Ratio Lower Upper

41 100

39 80.3 60.2 90.2

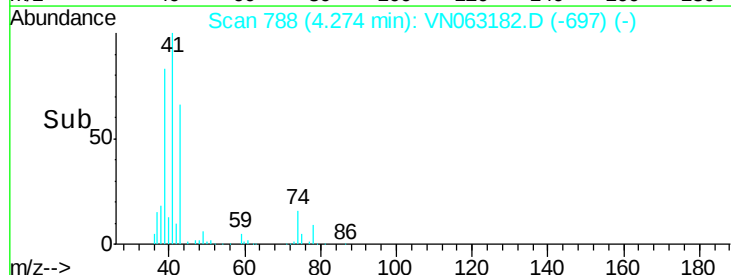
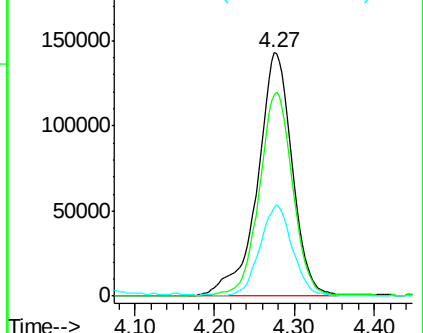
76 34.4 27.7 41.5

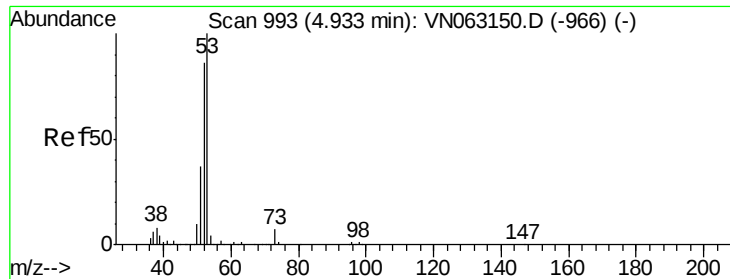


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 230.667 ug/l

RT: 4.93 min Scan# 991

Delta R.T. -0.01 min

Lab File: VN063182.D

Acq: 2 Sep 2020 9:27

Instrument :

MSVOA_N

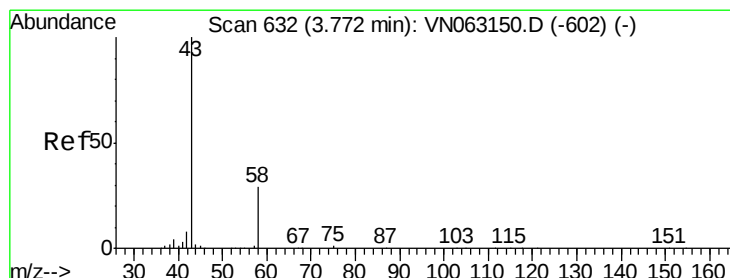
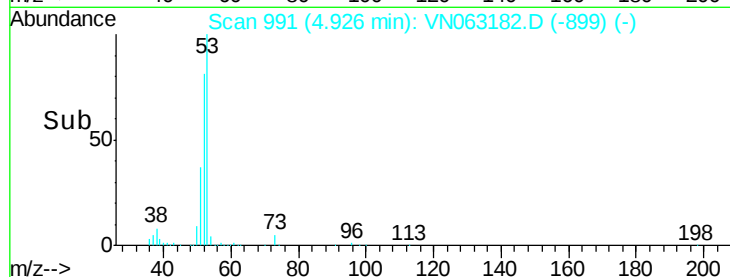
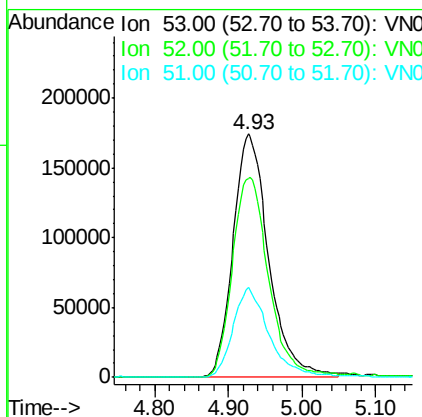
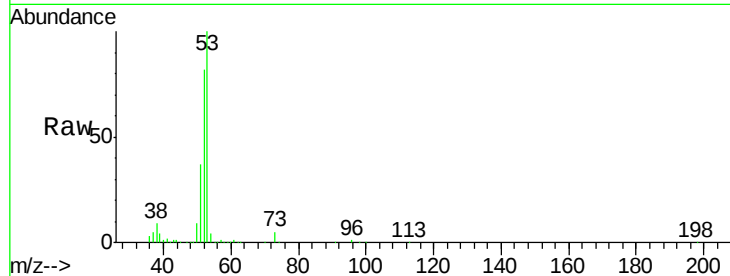
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	587016
Ion Ratio		Lower	Upper
53	100		
52	83.7	67.2	100.8
51	37.4	30.2	45.4

Manual Integrations
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MMDadoda
9/3/2020 9:28:40 AM



#16

Acetone

Concen: 286.161 ug/l

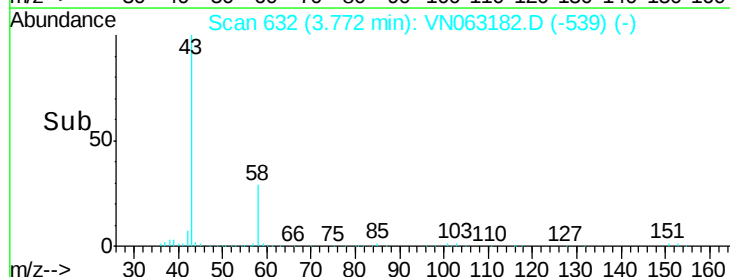
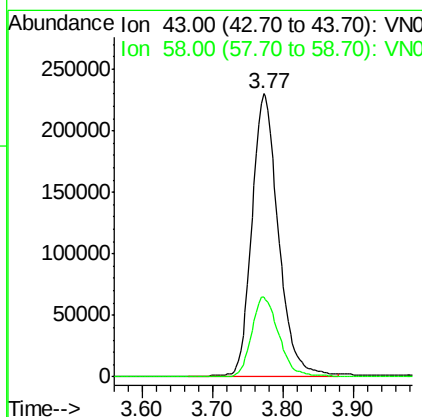
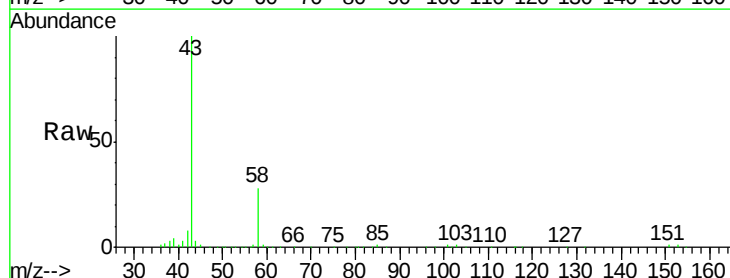
RT: 3.77 min Scan# 632

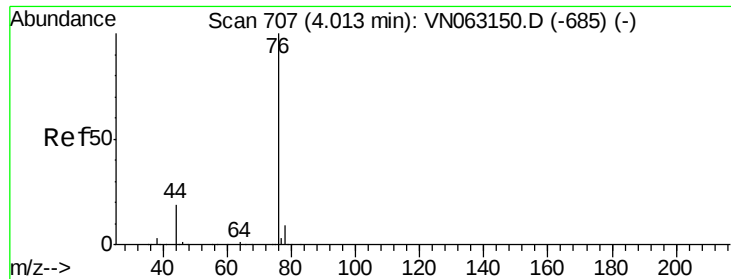
Delta R.T. 0.00 min

Lab File: VN063182.D

Acq: 2 Sep 2020 9:27

Tgt Ion:	43	Resp:	602573
Ion Ratio		Lower	Upper
43	100		
58	28.3	23.1	34.7





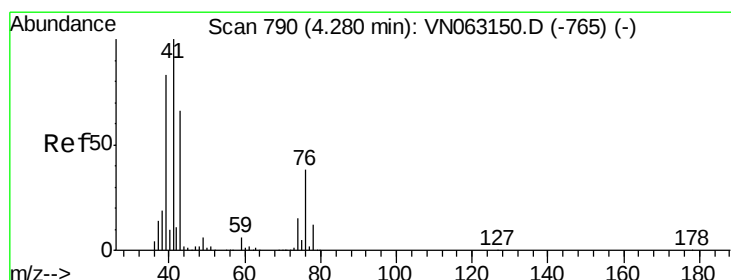
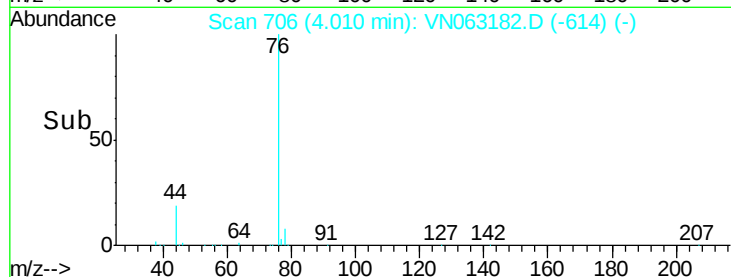
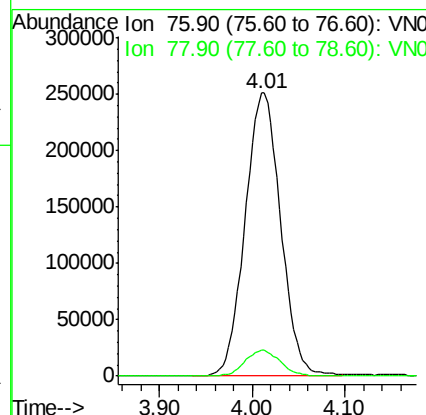
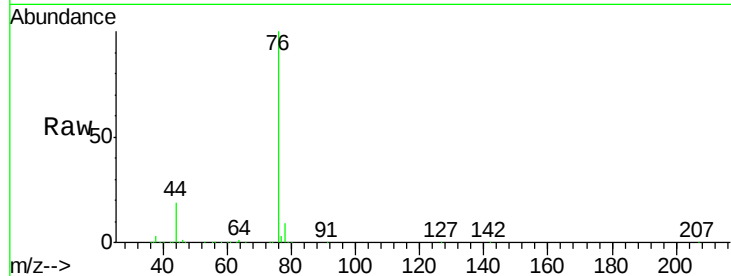
#17
Carbon Disulfide
Concen: 45.301 ug/l
RT: 4.01 min Scan# 706
Delta R.T. -0.00 min
Lab File: VN063182.D
Acq: 2 Sep 2020 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
76	100		670353		
78	9.2			7.5	11.3

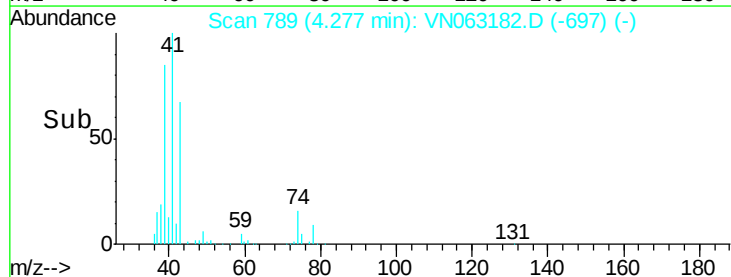
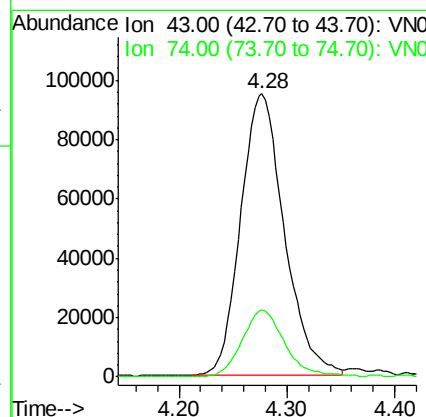
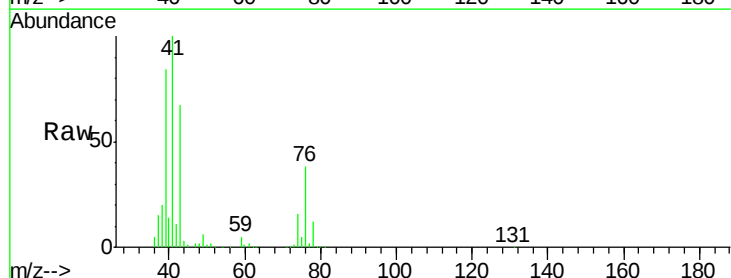
Manual Integrations
APPROVED

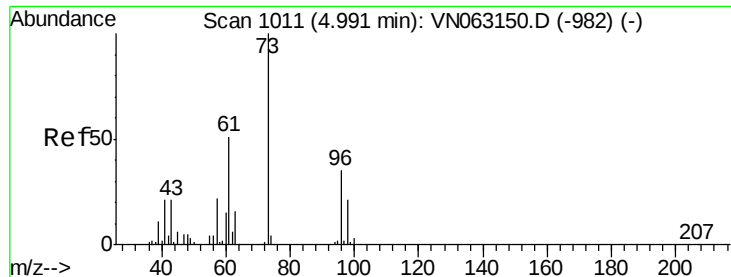
MMDadoda
9/3/2020 9:28:40 AM



#18
Methyl Acetate
Concen: 49.547 ug/l
RT: 4.28 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN063182.D
Acq: 2 Sep 2020 9:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
43	100		267513		
74	22.9			19.0	28.6





#19

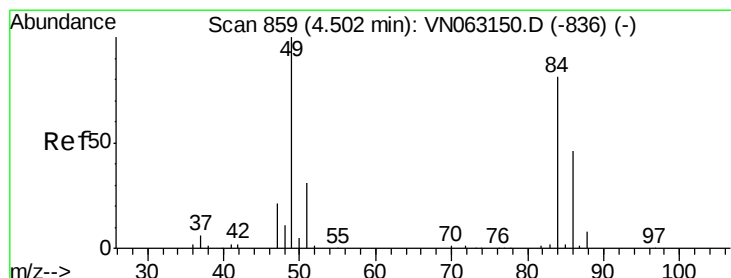
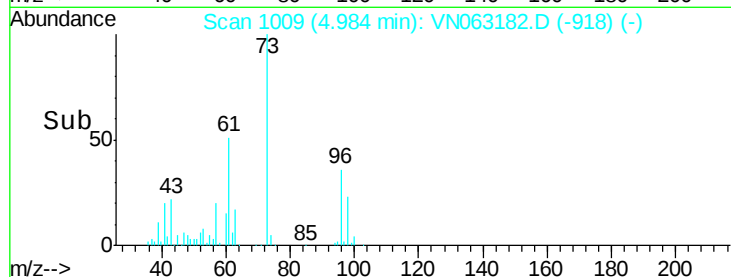
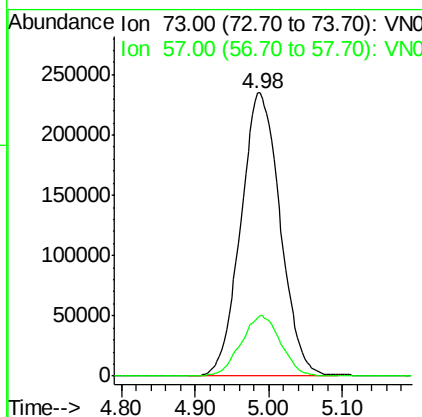
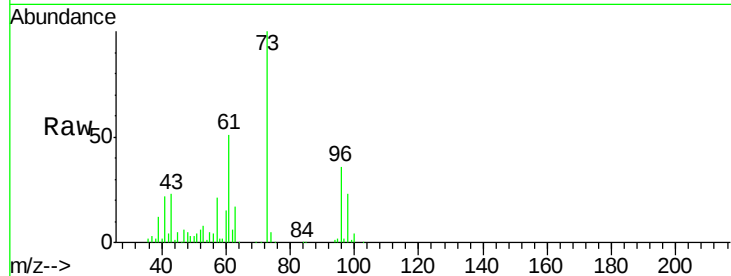
Methyl tert-butyl Ether
Concen: 47.462 ug/l
RT: 4.98 min Scan# 1009
Delta R.T. -0.01 min
Lab File: VN063182.D
Acq: 2 Sep 2020 9:27

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 73 Resp: 875342
Ion Ratio Lower Upper
73 100
57 20.5 17.6 26.4

Manual Integrations
APPROVED

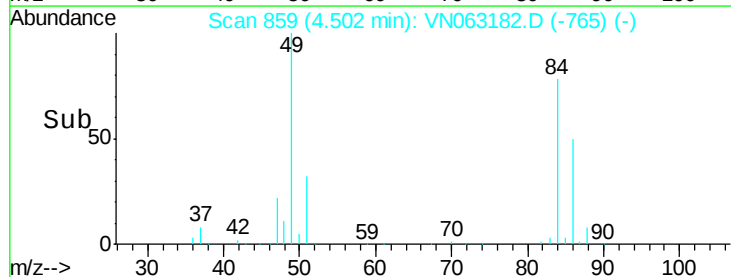
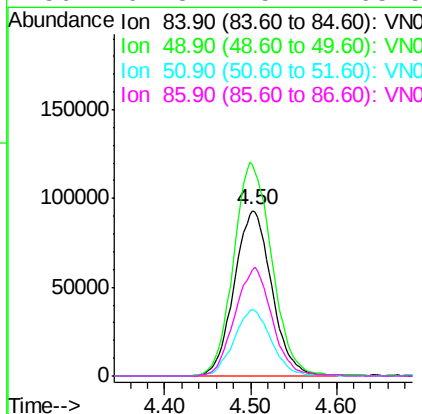
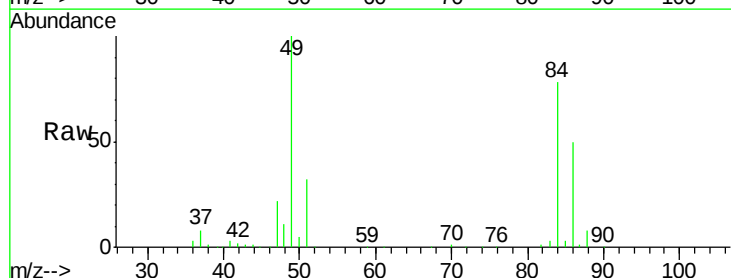
MMDadoda
9/3/2020 9:28:40 AM

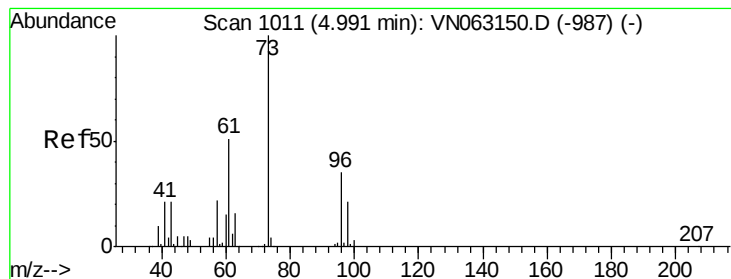


#20

Methylene Chloride
Concen: 47.760 ug/l
RT: 4.50 min Scan# 859
Delta R.T. 0.00 min
Lab File: VN063182.D
Acq: 2 Sep 2020 9:27

Tgt Ion: 84 Resp: 282918
Ion Ratio Lower Upper
84 100
49 127.5 98.4 147.6
51 40.5 30.4 45.6
86 64.3 45.7 68.5





#21

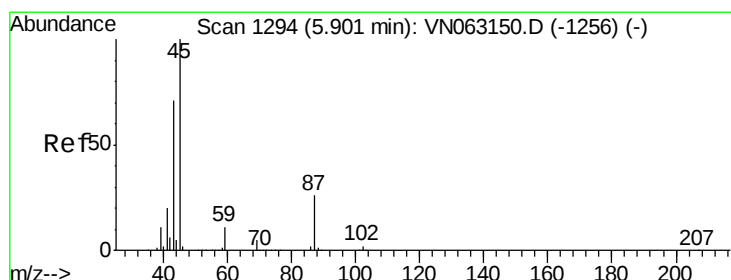
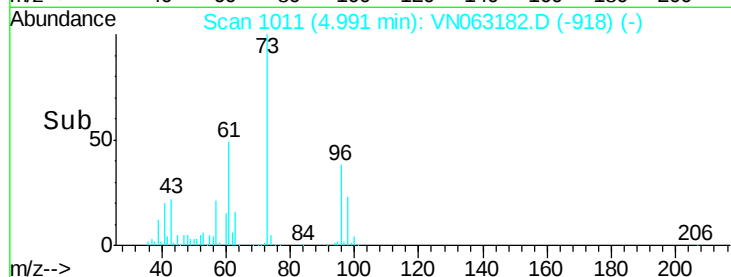
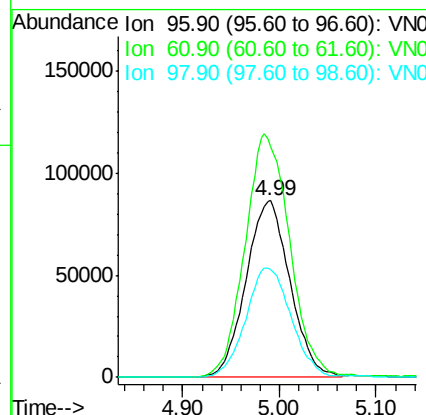
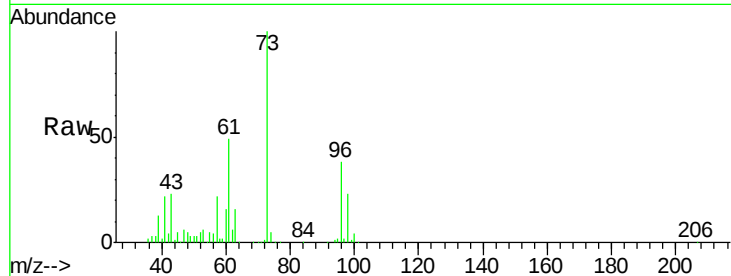
trans-1,2-Dichloroethene
Concen: 49.804 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN063182.D
Acq: 2 Sep 2020 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.3	116.2	174.4
98	61.1	48.0	72.0

Manual Integrations
APPROVED

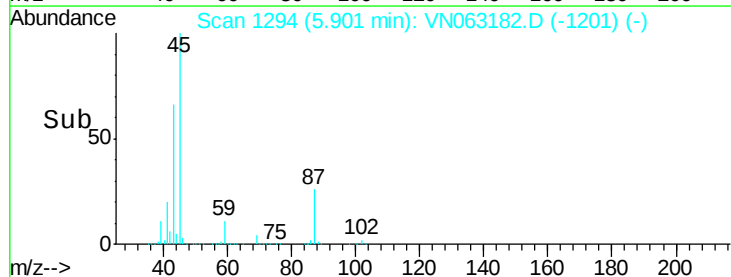
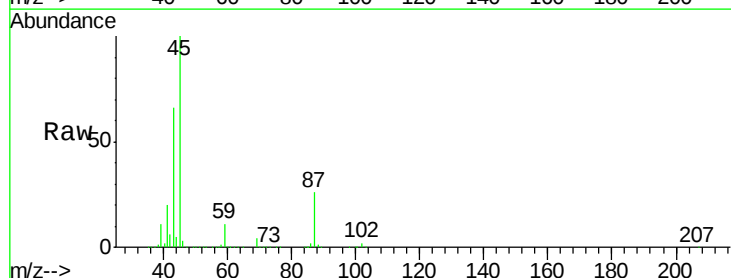
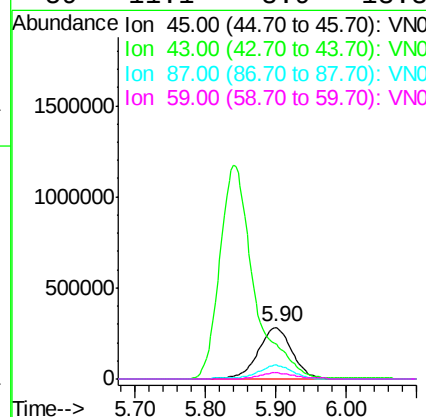
MMDadoda
9/3/2020 9:28:40 AM

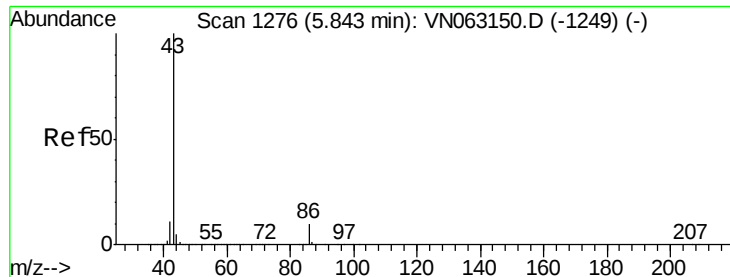


#22

Diisopropyl ether
Concen: 48.228 ug/l
RT: 5.90 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VN063182.D
Acq: 2 Sep 2020 9:27

Tgt Ion	Ratio	Lower	Upper
45	100		
43	64.5	56.8	85.2
87	26.1	21.1	31.7
59	11.1	8.9	13.3





#23

Vinyl Acetate

Concen: 251.933 ug/l

RT: 5.84 min Scan# 1275

Delta R.T. -0.00 min

Lab File: VN063182.D

Acq: 2 Sep 2020 9:27

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 3977476

Ion Ratio Lower Upper

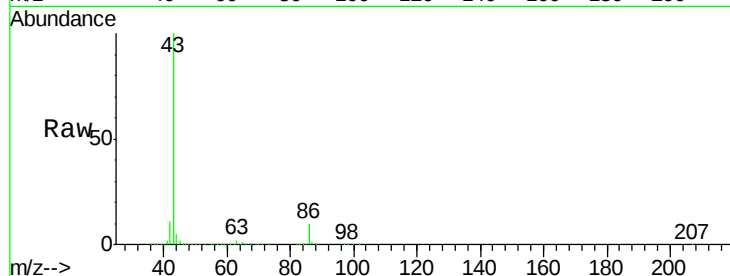
43 100

86 9.9 8.3 12.5

Manual Integrations
APPROVED

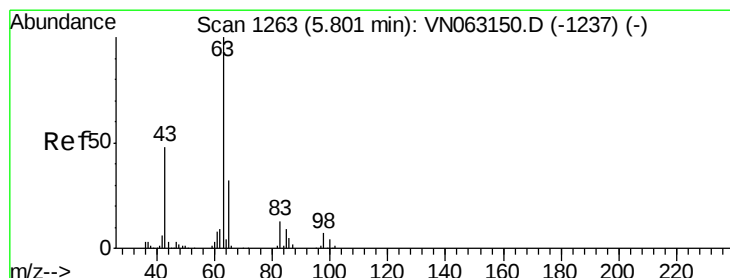
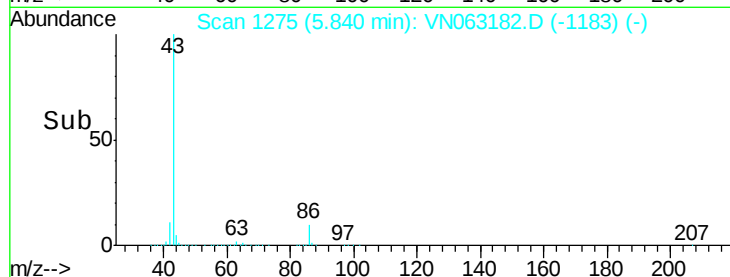
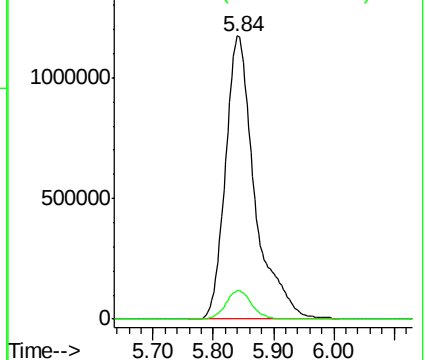
MMDadoda

9/3/2020 9:28:40 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 48.228 ug/l

RT: 5.80 min Scan# 1262

Delta R.T. -0.00 min

Lab File: VN063182.D

Acq: 2 Sep 2020 9:27

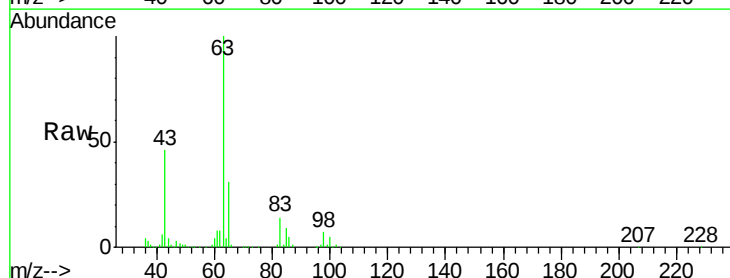
Tgt Ion: 63 Resp: 526061

Ion Ratio Lower Upper

63 100

98 7.3 3.4 10.1

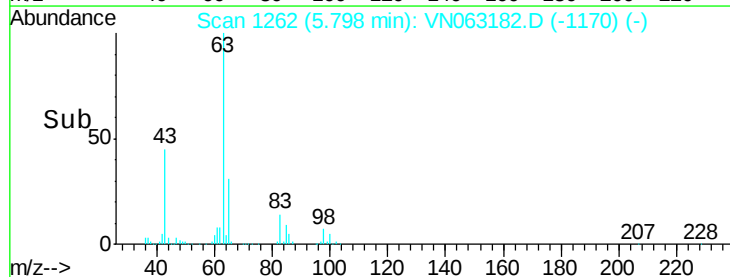
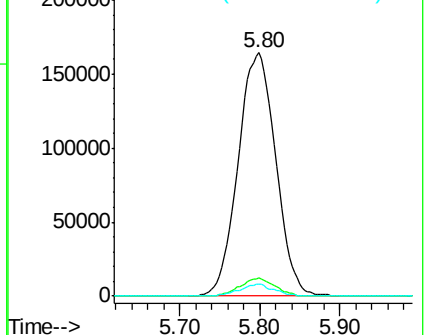
100 4.9 2.3 6.8

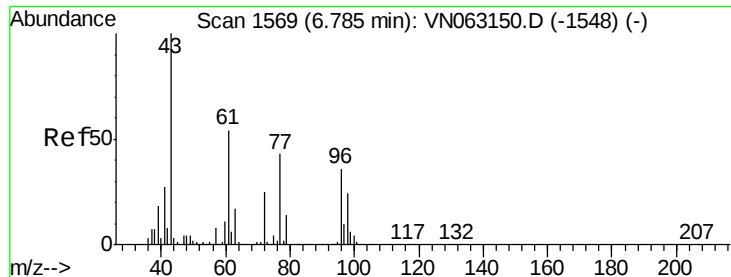


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





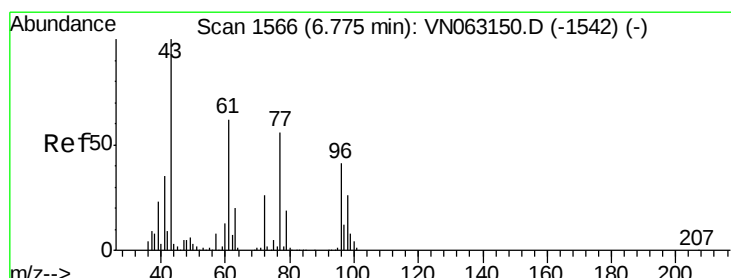
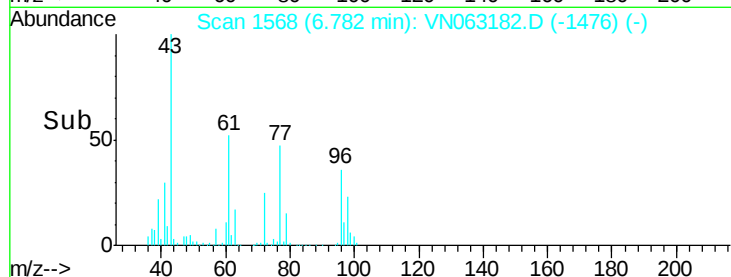
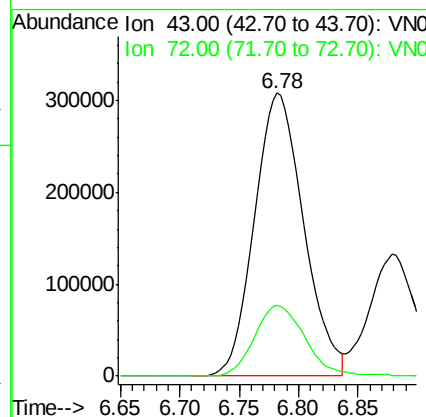
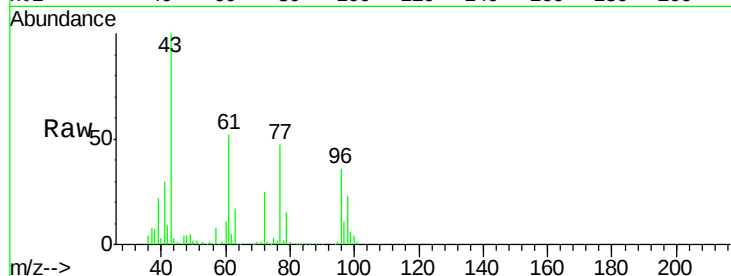
#25
2-Butanone
Concen: 269.600 ug/l
RT: 6.78 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VN063182.D
Acq: 2 Sep 2020 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 879028
Ion Ratio Lower Upper
43 100
72 25.1 20.2 30.4

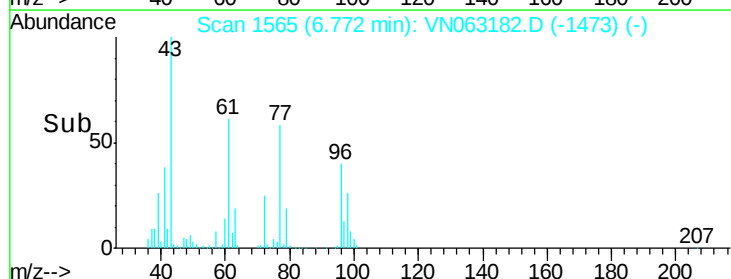
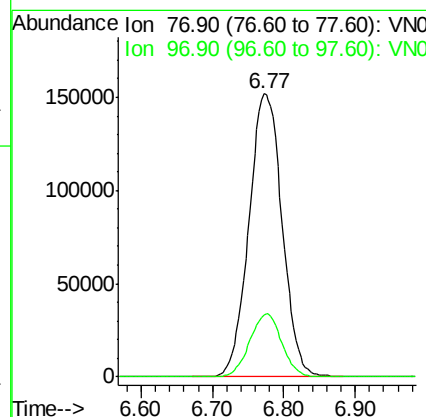
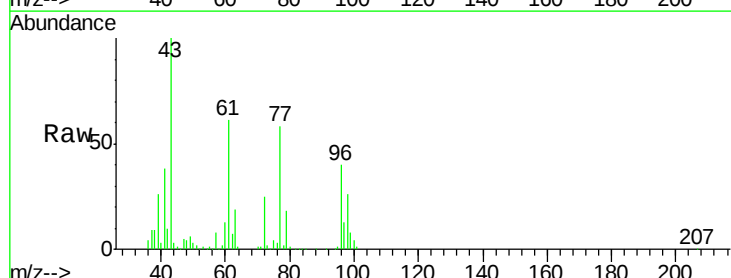
Manual Integrations
APPROVED

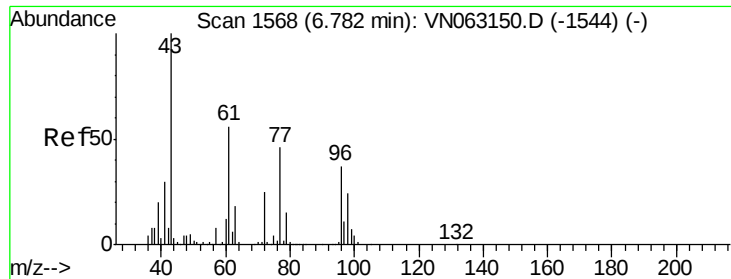
MMDadoda
9/3/2020 9:28:40 AM



#26
2,2-Dichloropropane
Concen: 49.624 ug/l
RT: 6.77 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VN063182.D
Acq: 2 Sep 2020 9:27

Tgt Ion: 77 Resp: 490425
Ion Ratio Lower Upper
77 100
97 21.2 10.7 31.9





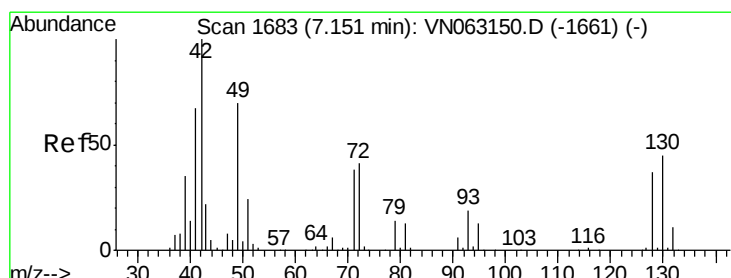
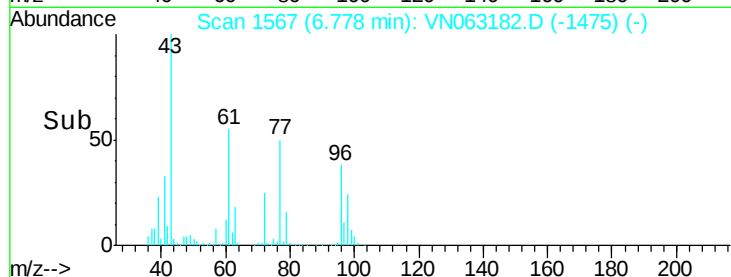
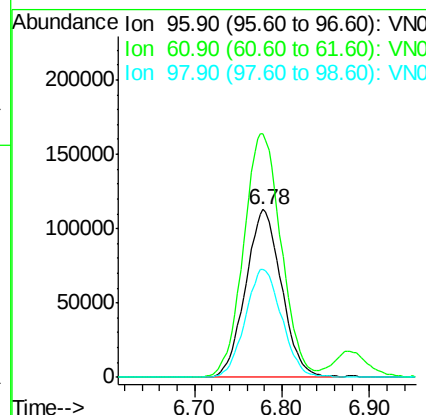
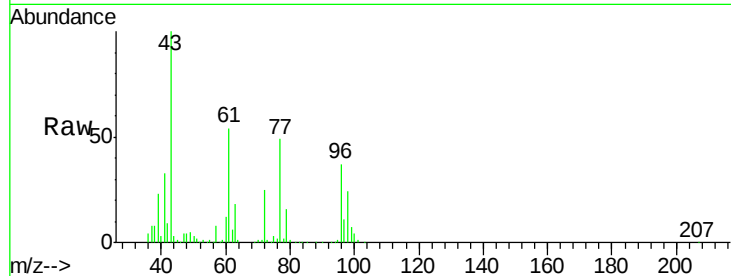
#27
 cis-1,2-Dichloroethene
 Concen: 48.142 ug/l
 RT: 6.78 min Scan# 1567
 Delta R.T. -0.00 min
 Lab File: VN063182.D
 Acq: 2 Sep 2020 9:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	151.4	0.0	303.2	
98	65.5	0.0	129.0	

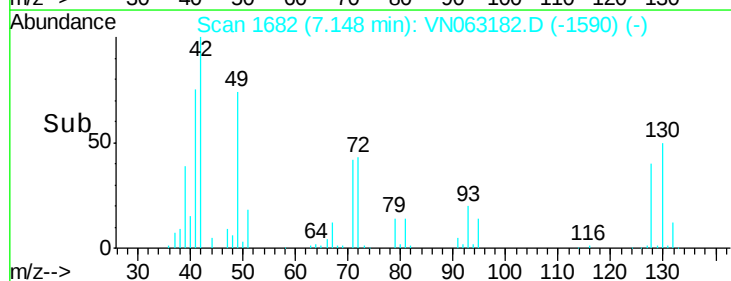
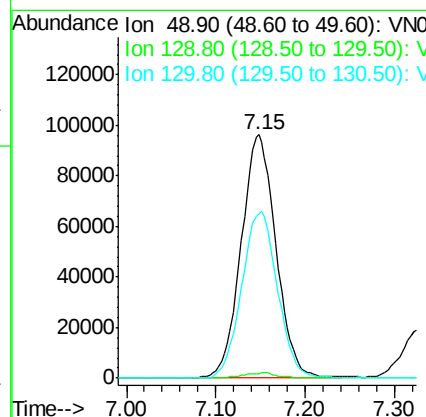
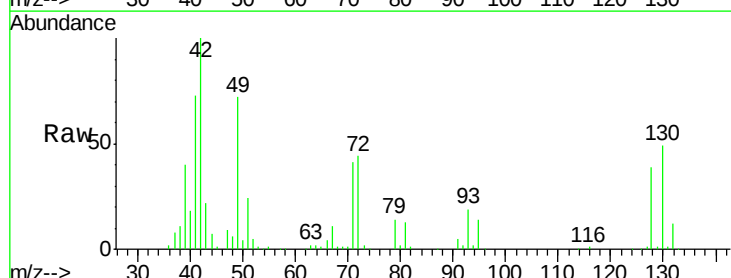
Manual Integrations
 APPROVED

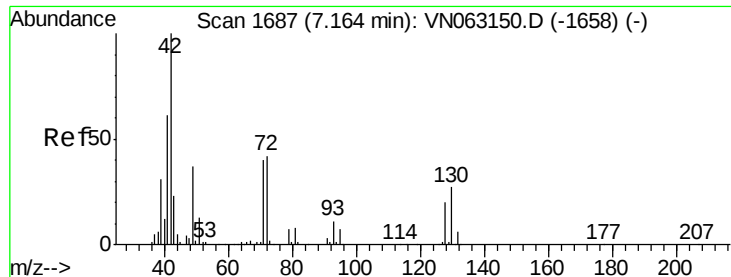
MMDadoda
 9/3/2020 9:28:40 AM



#28
 Bromochloromethane
 Concen: 45.566 ug/l
 RT: 7.15 min Scan# 1682
 Delta R.T. -0.00 min
 Lab File: VN063182.D
 Acq: 2 Sep 2020 9:27

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.2	0.0	4.0	
130	70.4	54.4	81.6	





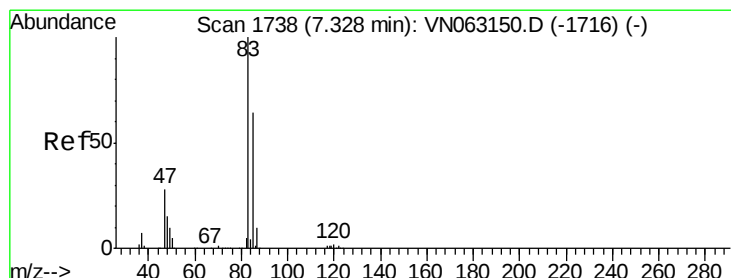
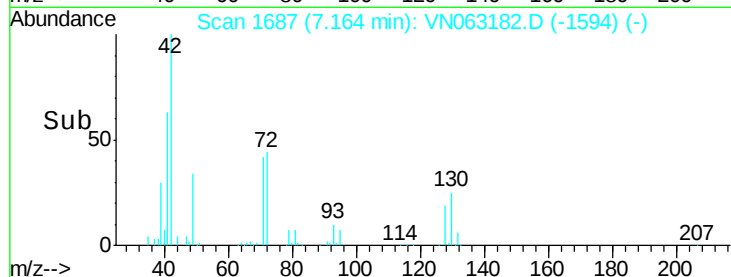
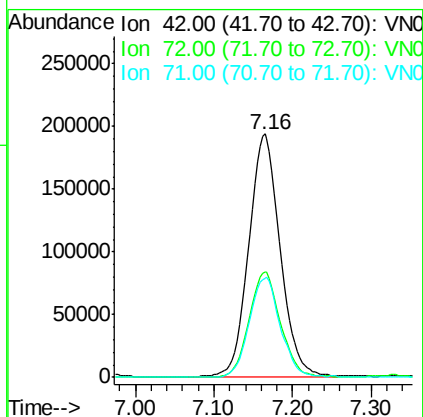
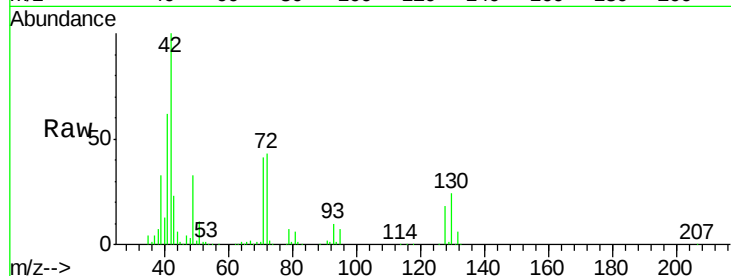
#29
Tetrahydrofuran
Concen: 243.625 ug/l
RT: 7.16 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN063182.D
Acq: 2 Sep 2020 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.5	33.9	50.9
71	40.7	31.9	47.9

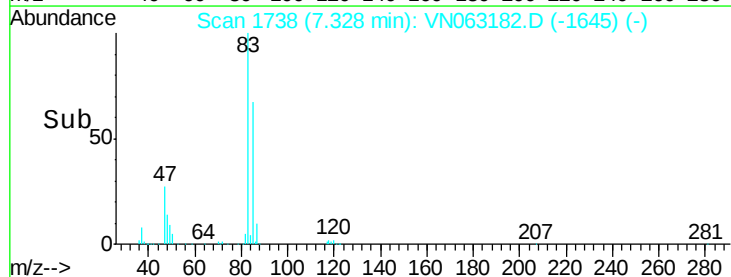
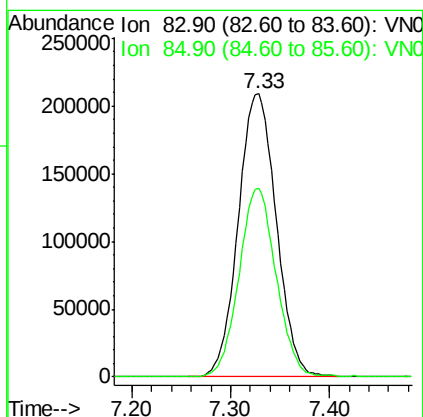
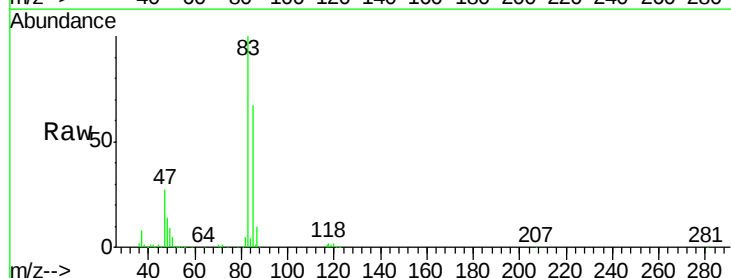
Manual Integrations
APPROVED

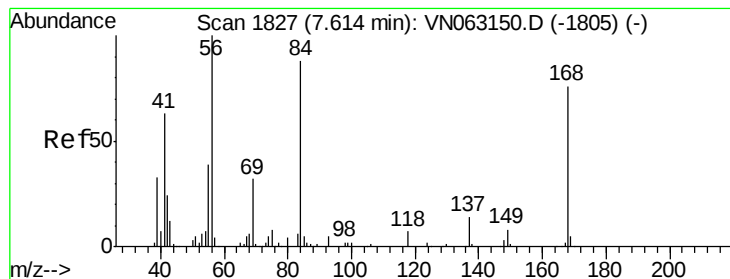
MMDadoda
9/3/2020 9:28:40 AM



#30
Chloroform
Concen: 48.909 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN063182.D
Acq: 2 Sep 2020 9:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.6	51.0	76.6





#31

Cyclohexane

Concen: 48.113 ug/l

RT: 7.61 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN063182.D

Acq: 2 Sep 2020 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 463114

Ion Ratio Lower Upper

56 100

69 32.2 25.4 38.0

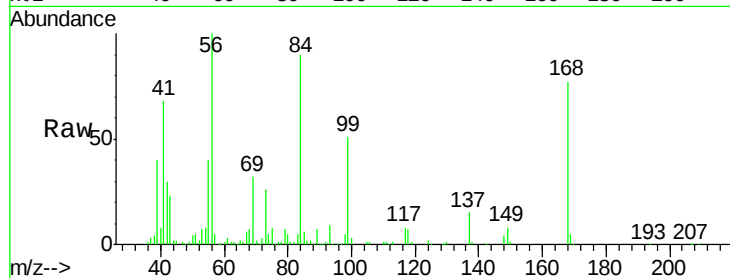
84 88.5 70.2 105.4

Manual Integrations

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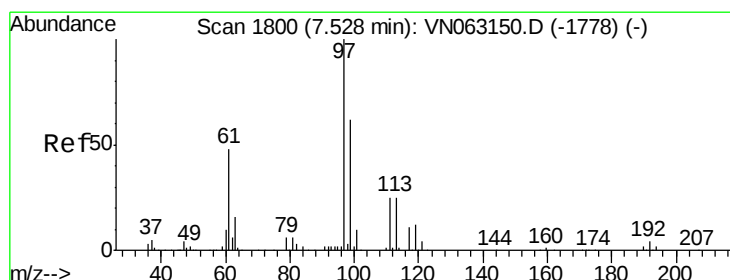
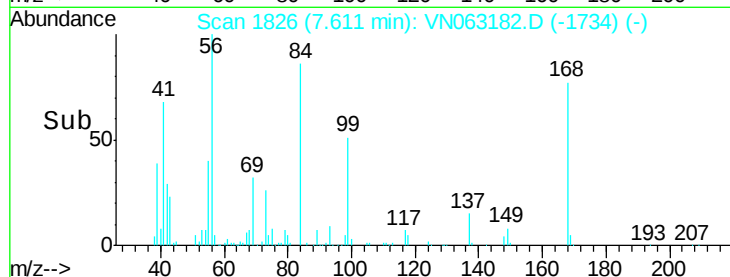
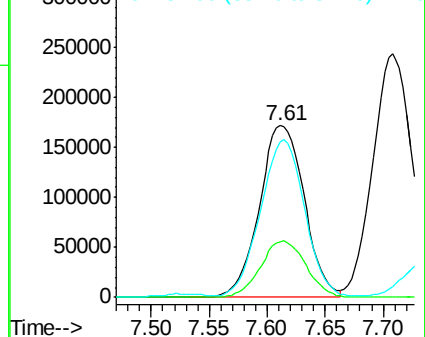


Abundance

Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 50.542 ug/l

RT: 7.53 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VN063182.D

Acq: 2 Sep 2020 9:27

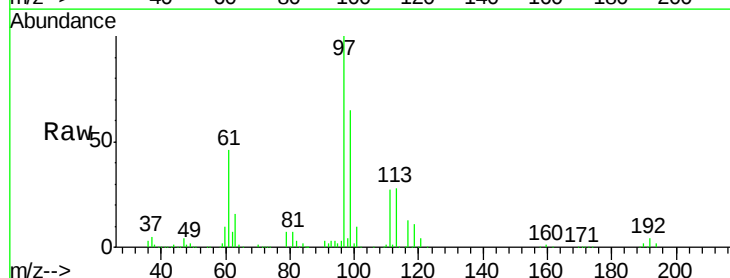
Tgt Ion: 97 Resp: 497024

Ion Ratio Lower Upper

97 100

99 63.2 50.8 76.2

61 46.8 37.4 56.2

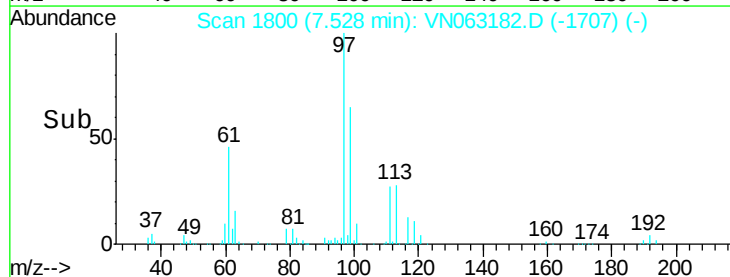
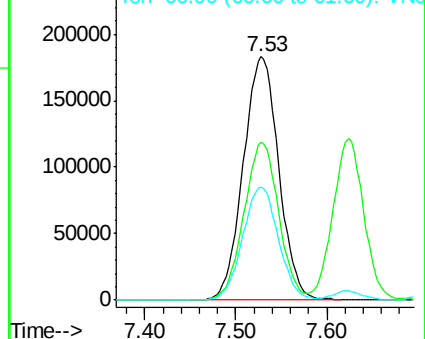


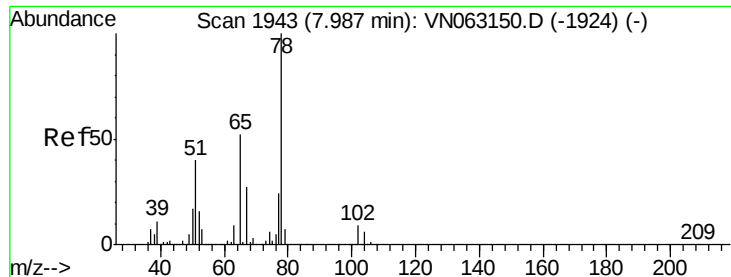
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





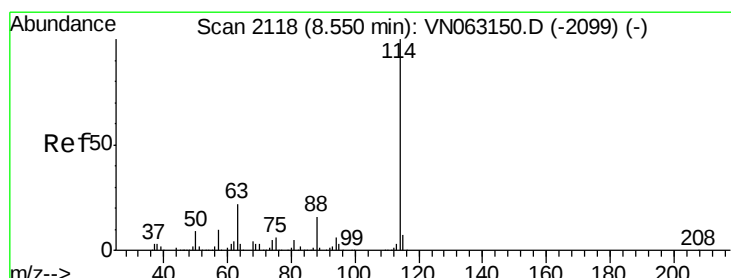
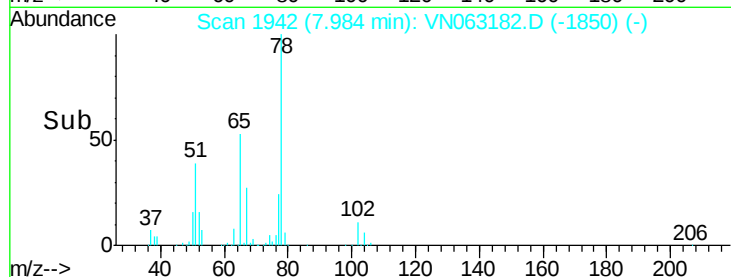
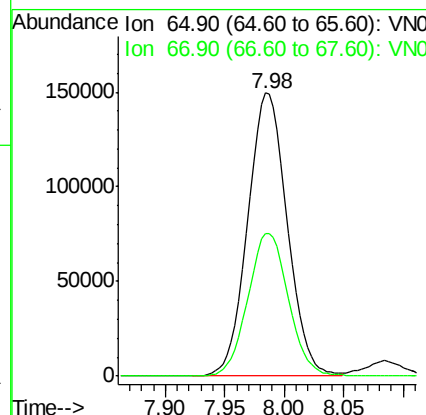
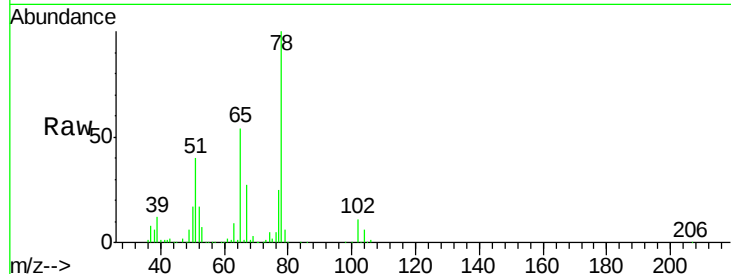
#33
 1,2-Dichloroethane-d4
 Concen: 46.455 ug/l
 RT: 7.98 min Scan# 1942
 Delta R.T. -0.00 min
 Lab File: VN063182.D
 Acq: 2 Sep 2020 9:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	344114		
67	51.8	0.0	104.4	

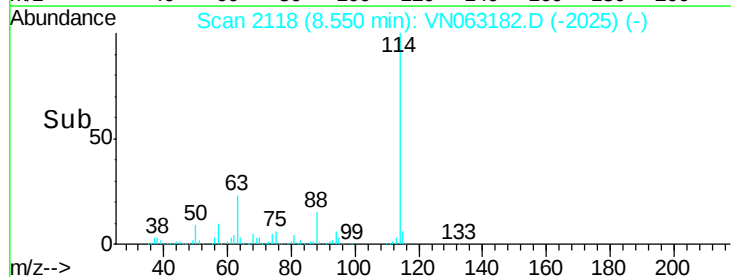
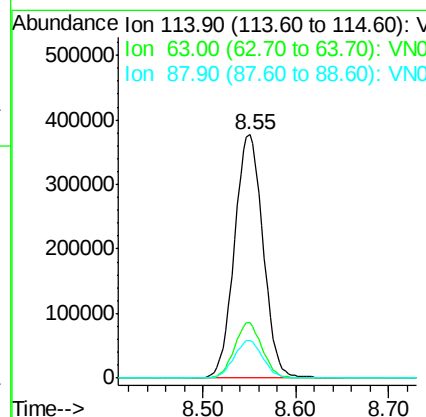
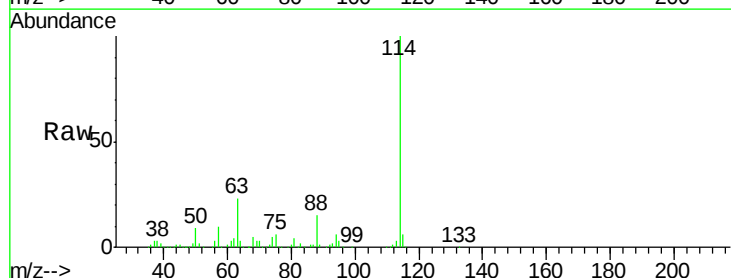
Manual Integrations
 APPROVED

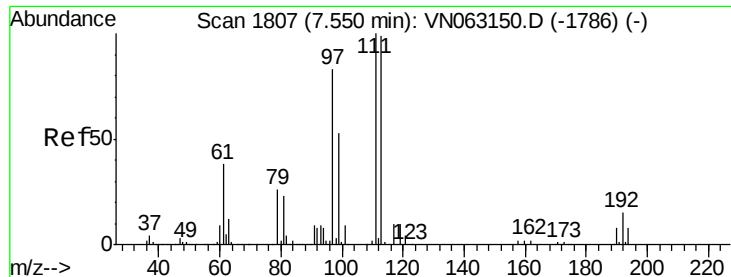
MMDadoda
 9/3/2020 9:28:40 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN063182.D
 Acq: 2 Sep 2020 9:27

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	805545		
63	22.7	0.0	43.0	
88	15.5	0.0	31.6	





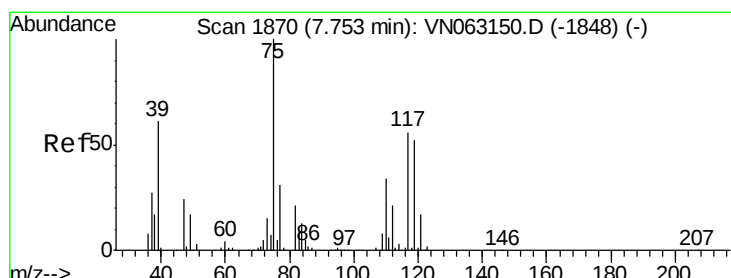
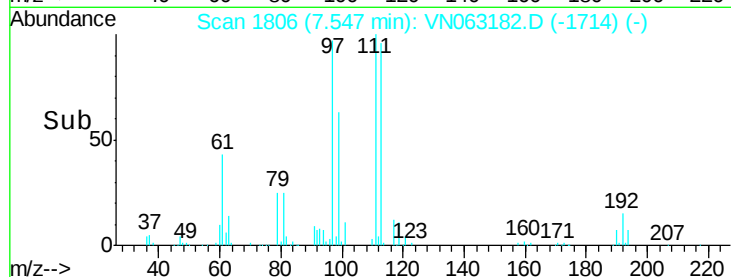
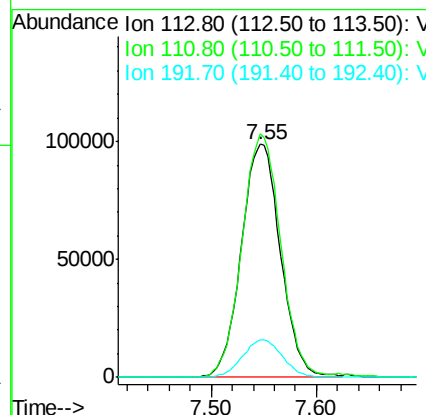
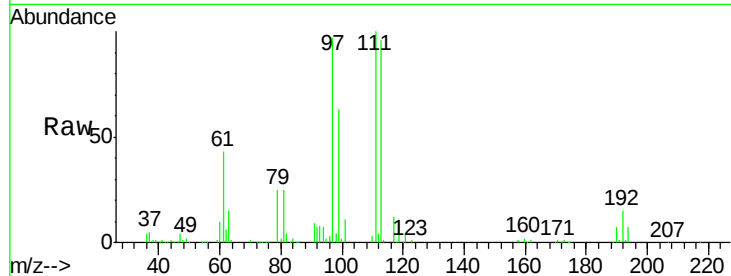
#35
 Dibromofluoromethane
 Concen: 49.377 ug/l
 RT: 7.55 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: VN063182.D
 Acq: 2 Sep 2020 9:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	255180		
111	103.5	80.7	121.1	
192	16.4	12.6	19.0	

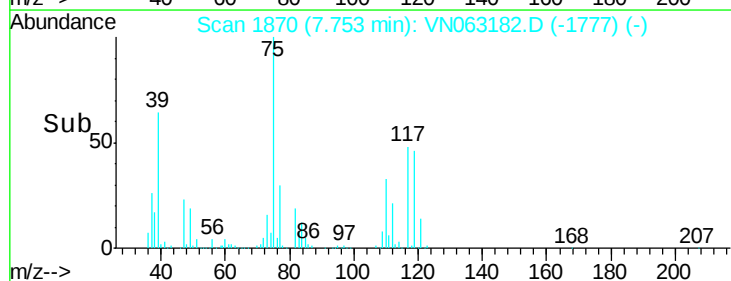
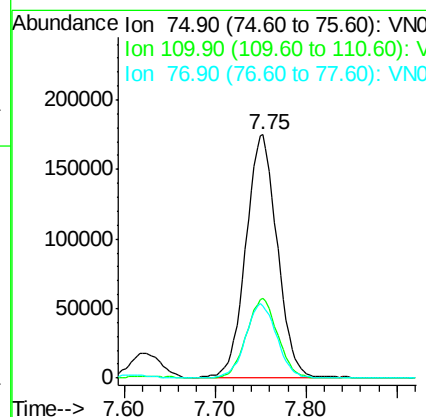
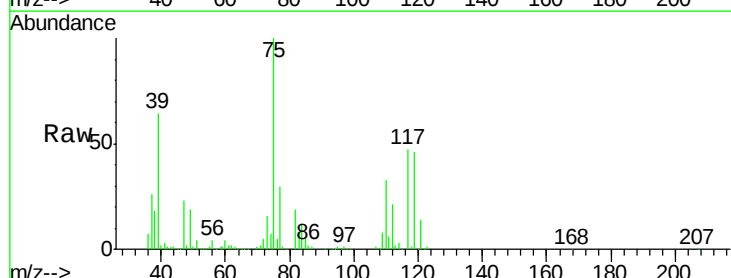
Manual Integrations
 APPROVED

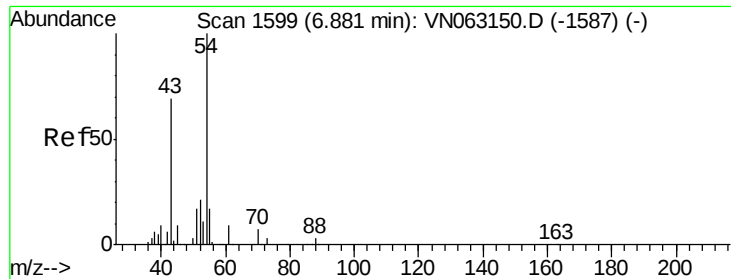
MMDadoda
 9/3/2020 9:28:40 AM



#36
 1,1-Dichloropropene
 Concen: 53.689 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. 0.00 min
 Lab File: VN063182.D
 Acq: 2 Sep 2020 9:27

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	415773		
110	33.0	16.6	49.8	
77	30.8	25.4	38.2	





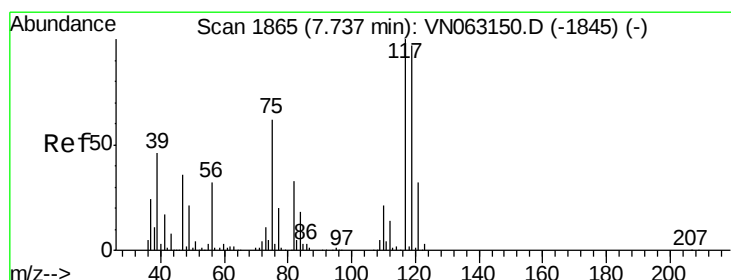
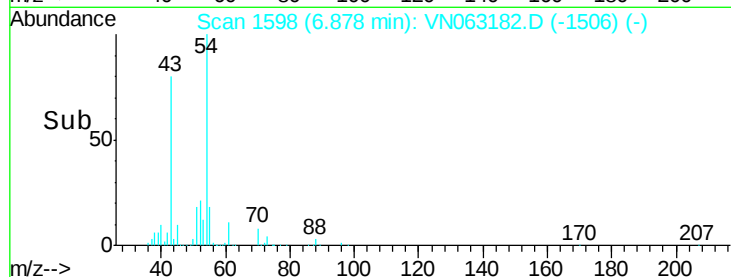
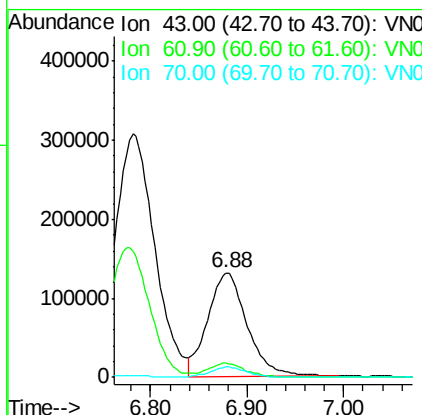
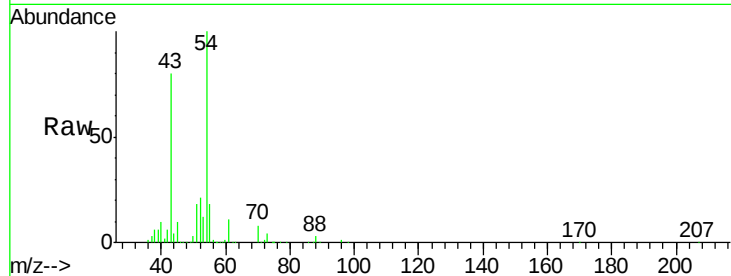
#37
Ethyl Acetate
Concen: 50.483 ug/l
RT: 6.88 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VN063182.D
Acq: 2 Sep 2020 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.5	10.2	15.4
70	9.7	3.0	4.6

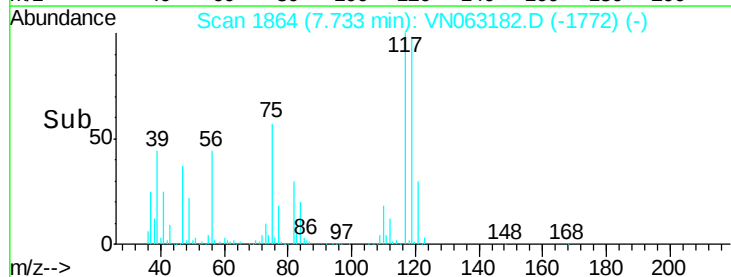
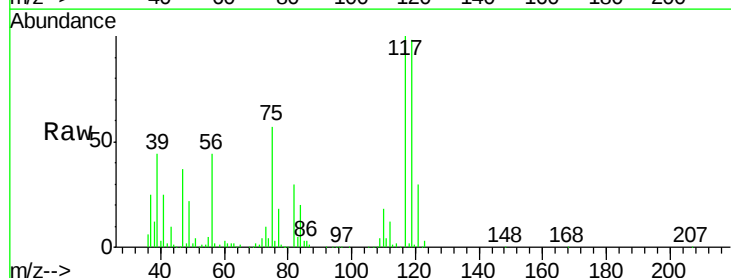
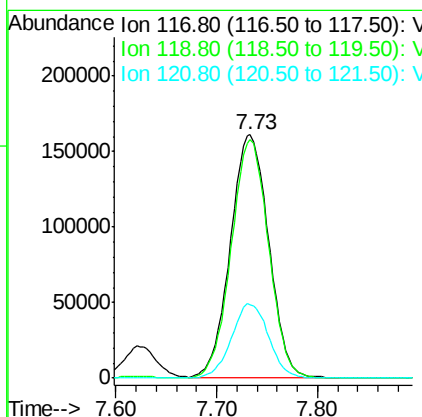
Manual Integrations
APPROVED

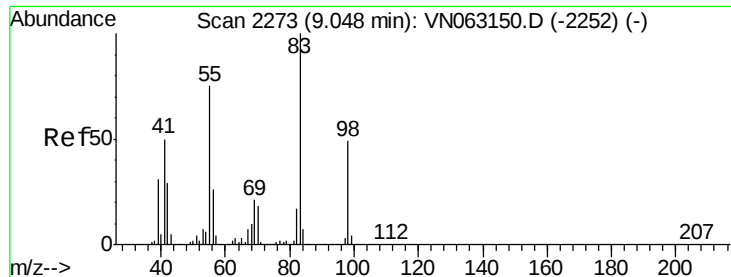
MMDadoda
9/3/2020 9:28:40 AM



#38
Carbon Tetrachloride
Concen: 53.855 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN063182.D
Acq: 2 Sep 2020 9:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.1	77.2	115.8
121	30.5	25.6	38.4





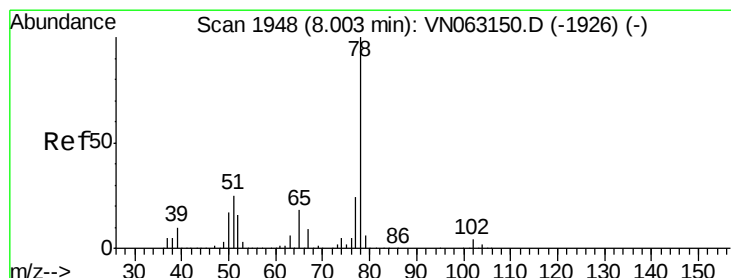
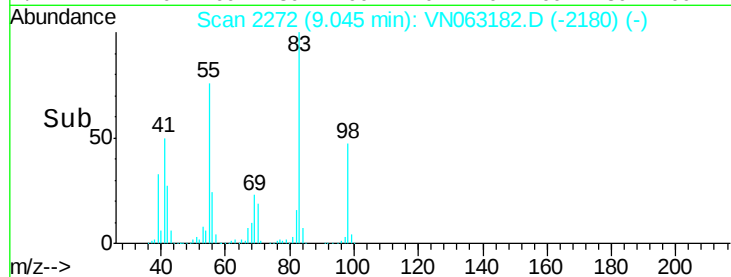
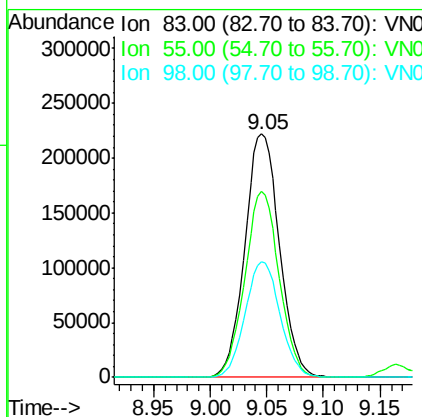
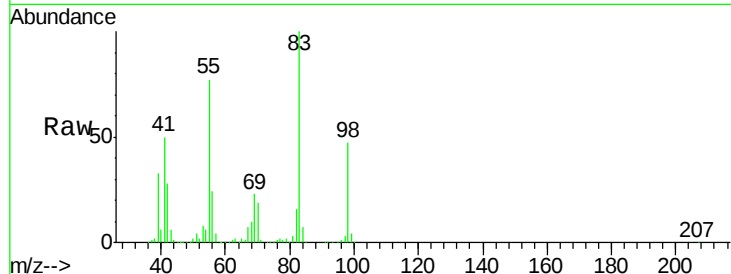
#39
Methvlcvclohexane
Concen: 54.509 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN063182.D
Acq: 2 Sep 2020 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.5	60.3	90.5
98	47.5	38.9	58.3

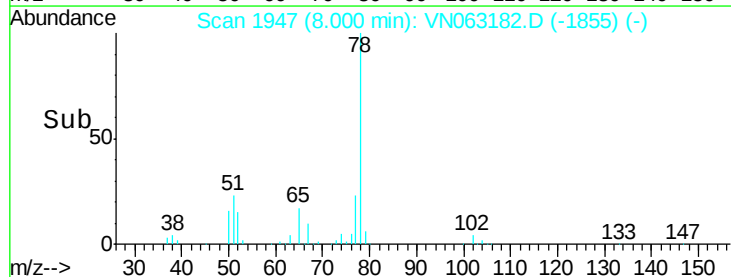
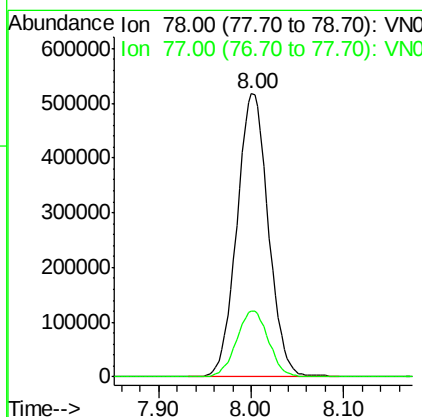
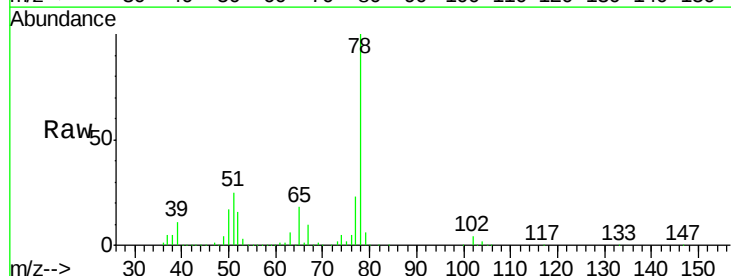
Manual Integrations
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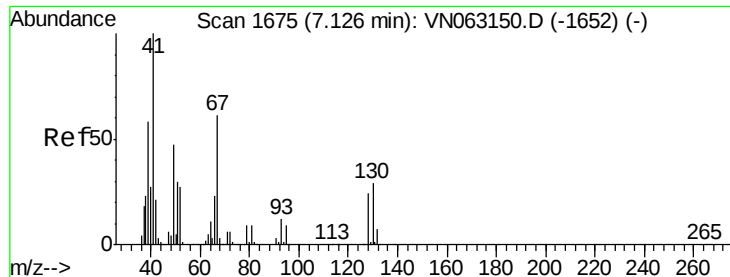
MMDadoda
9/3/2020 9:28:40 AM



#40
Benzene
Concen: 53.509 ug/l
RT: 8.00 min Scan# 1947
Delta R.T. -0.00 min
Lab File: VN063182.D
Acq: 2 Sep 2020 9:27

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.3	28.9





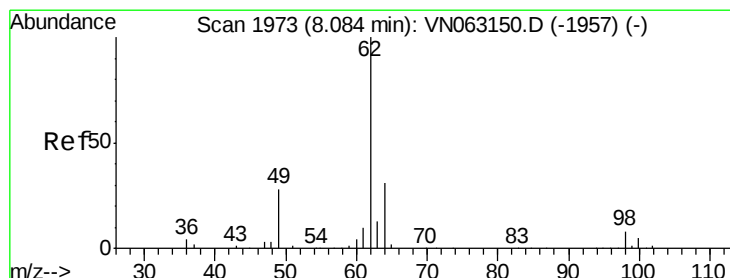
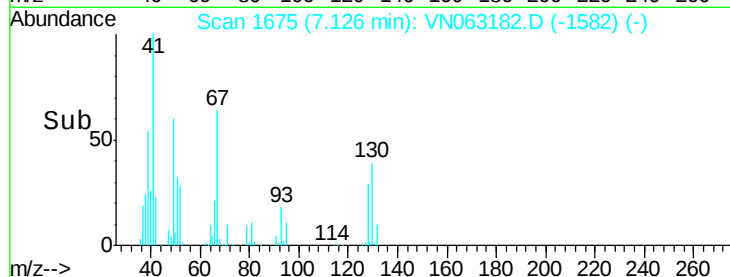
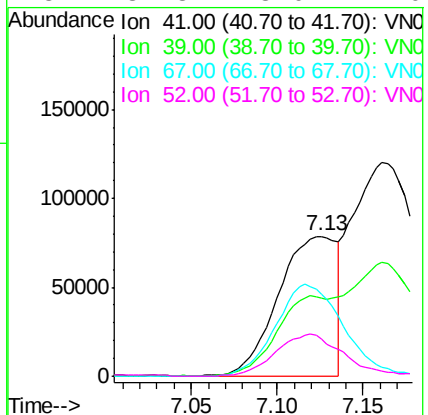
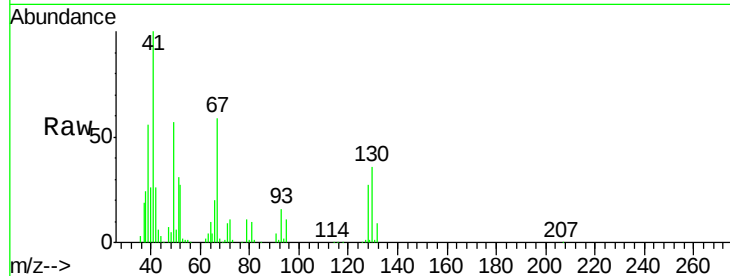
#41
Methacrylonitrile
Concen: 57.103 ug/l
RT: 7.13 min Scan# 1675
Delta R.T. 0.00 min
Lab File: VN063182.D
Acq: 2 Sep 2020 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	47.9	46.6	70.0
67	76.8	62.6	94.0
52	34.8	28.0	42.0

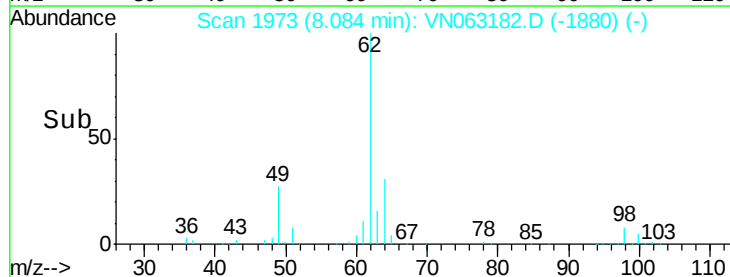
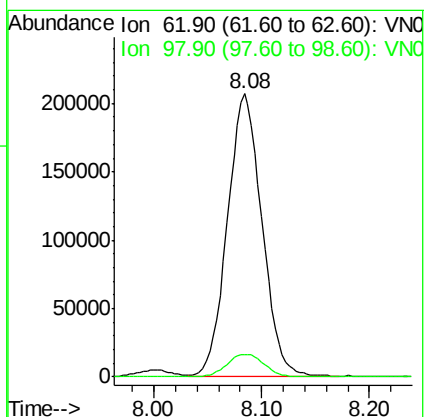
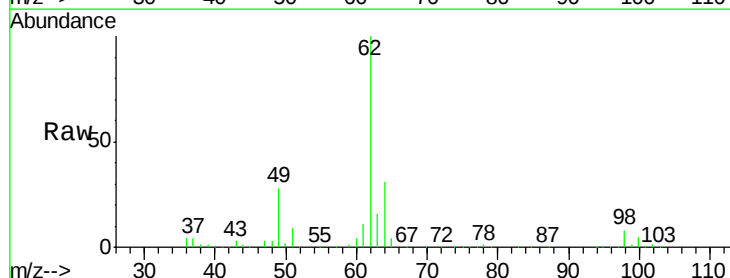
Manual Integrations
APPROVED

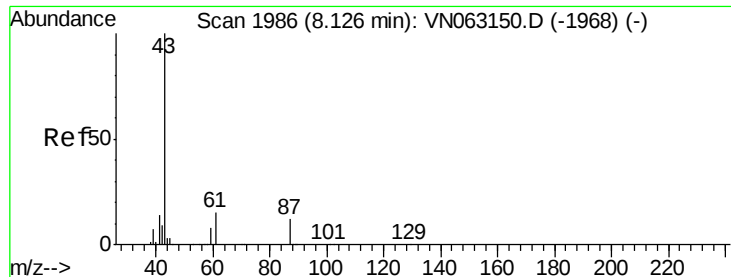
MMDadoda
9/3/2020 9:28:40 AM



#42
1,2-Dichloroethane
Concen: 54.008 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VN063182.D
Acq: 2 Sep 2020 9:27

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	17.2





#43

Isopropyl Acetate

Concen: 53.411 ug/l

RT: 8.12 min Scan# 1985

Delta R.T. -0.00 min

Lab File: VN063182.D

Acq: 2 Sep 2020 9:27

Instrument :

MSVOA_N

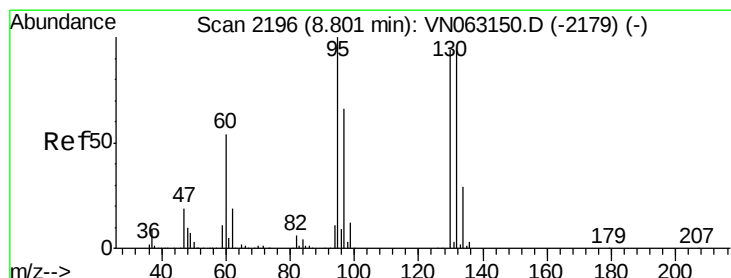
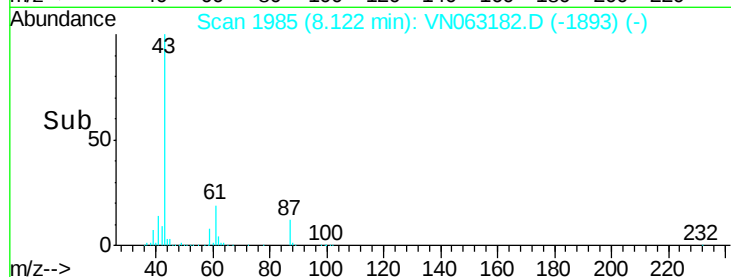
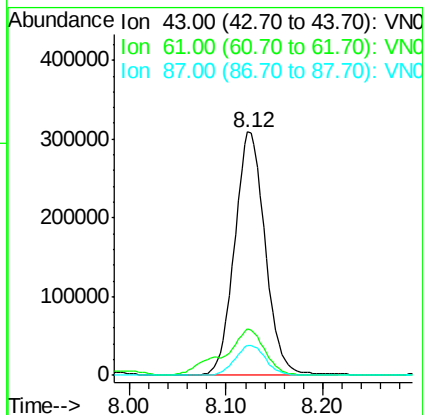
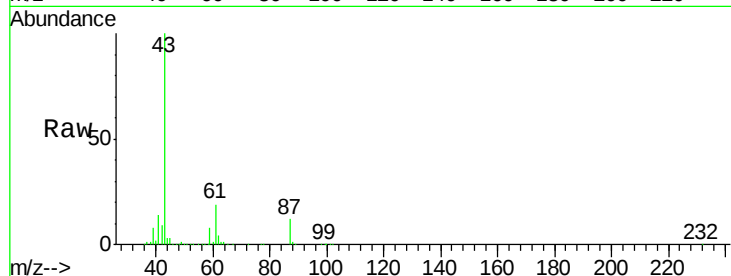
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	674556
Ion	Ratio	Lower	Upper
43	100		
61	19.4	20.2	30.4#
87	12.5	9.8	14.6

Manual Integrations
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MMDadoda
9/3/2020 9:28:40 AM



#44

Trichloroethene

Concen: 57.348 ug/l

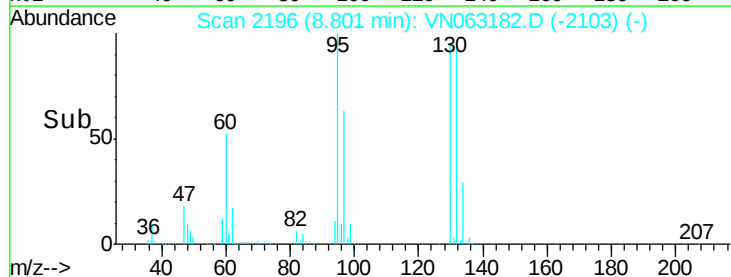
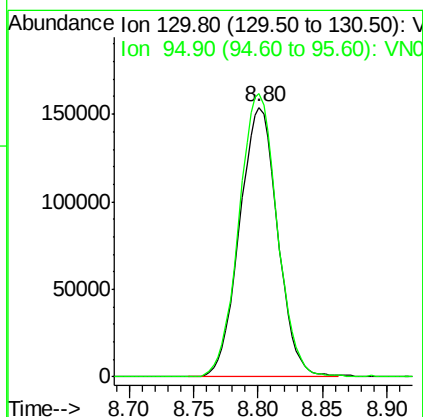
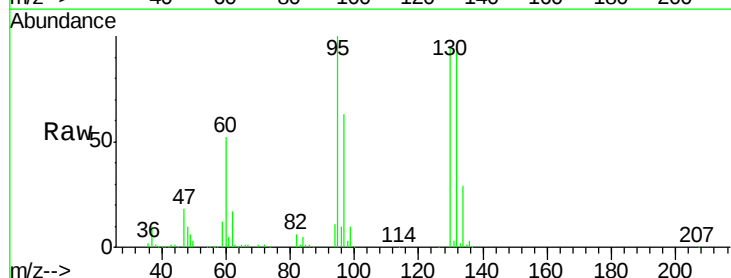
RT: 8.80 min Scan# 2196

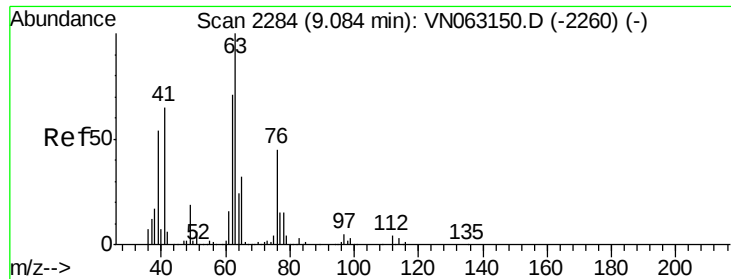
Delta R.T. 0.00 min

Lab File: VN063182.D

Acq: 2 Sep 2020 9:27

Tgt Ion:	130	Resp:	316552
Ion	Ratio	Lower	Upper
130	100		
95	105.1	0.0	212.0





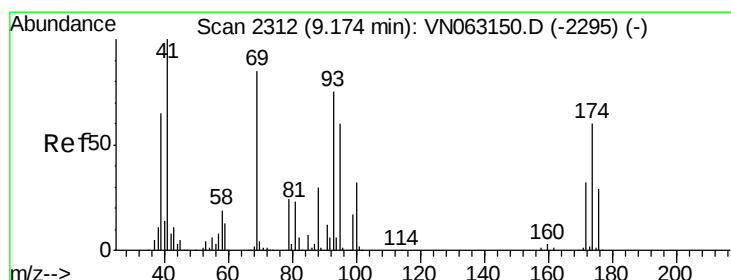
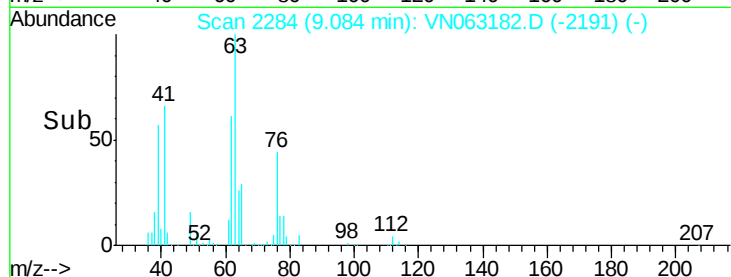
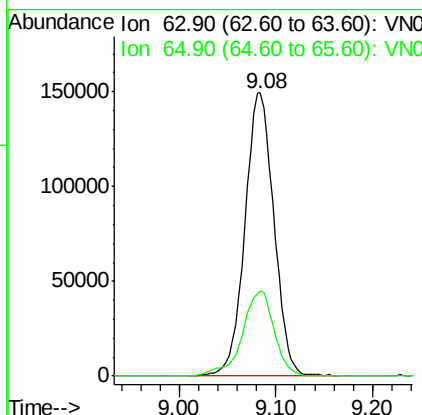
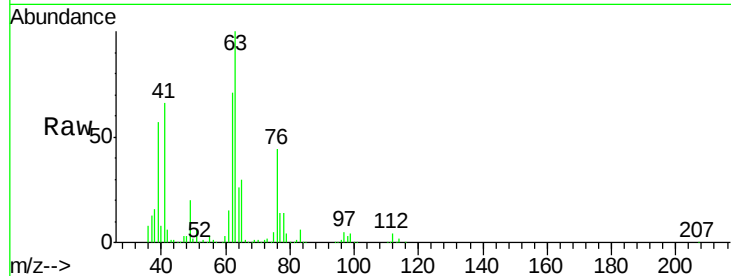
#45
 1,2-Dichloropropane
 Concen: 51.716 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN063182.D
 Acq: 2 Sep 2020 9:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 311603
 Ion Ratio Lower Upper
 63 100
 65 29.7 25.4 38.0

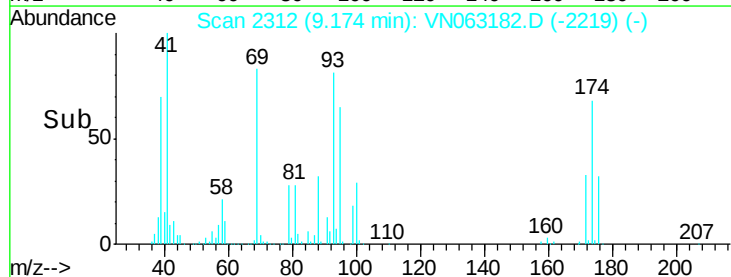
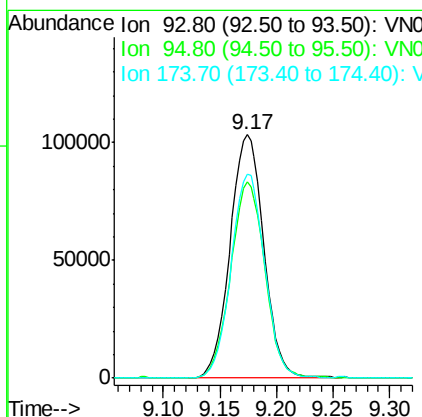
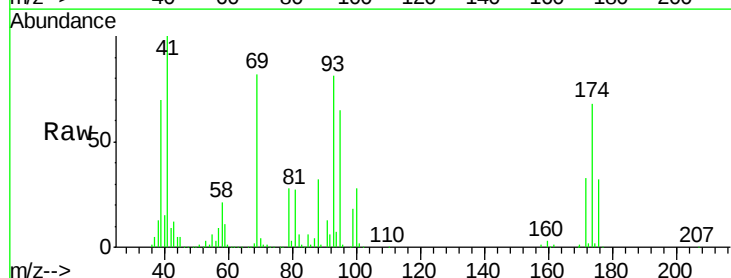
Manual Integrations
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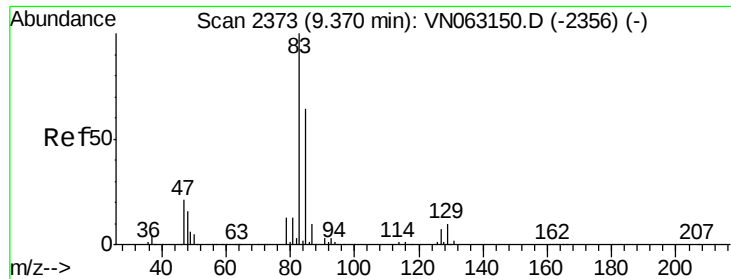
MMDadoda
 9/3/2020 9:28:40 AM



#46
 Dibromomethane
 Concen: 53.710 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN063182.D
 Acq: 2 Sep 2020 9:27

Tgt Ion: 93 Resp: 214459
 Ion Ratio Lower Upper
 93 100
 95 81.4 65.2 97.8
 174 83.6 64.6 97.0





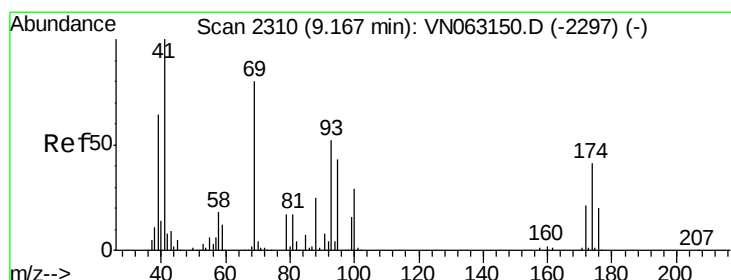
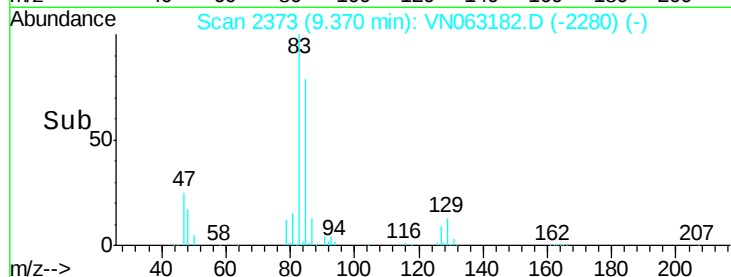
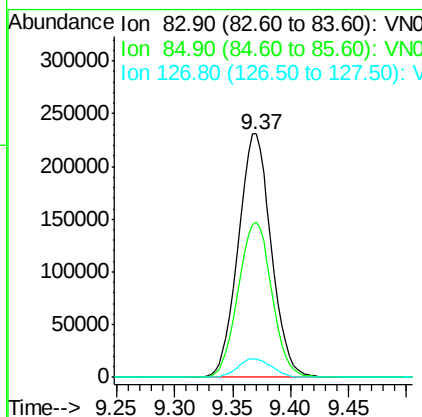
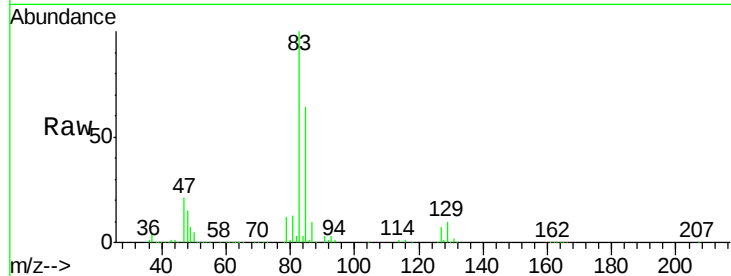
#47
Bromodichloromethane
Concen: 53.330 ug/l
RT: 9.37 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN063182.D
Acq: 2 Sep 2020 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	456432
Ion Ratio	100	Lower	Upper
83	100		
85	63.6	51.0	76.6
127	7.3	5.7	8.5

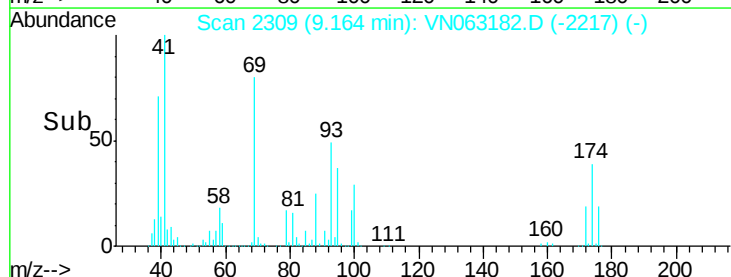
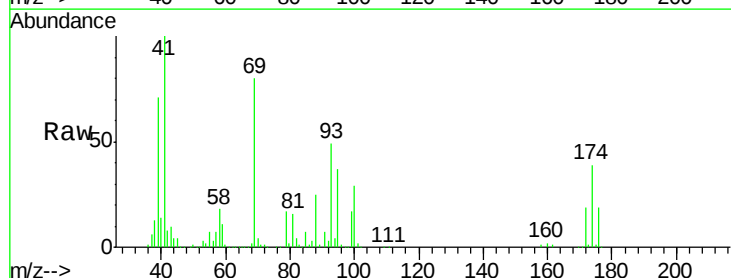
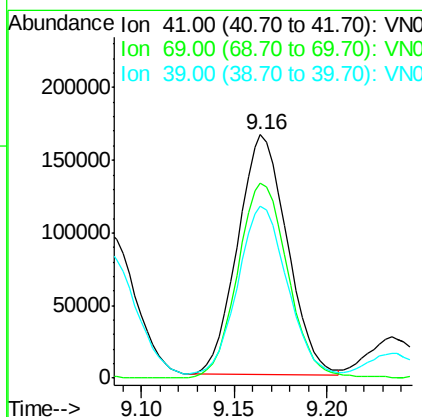
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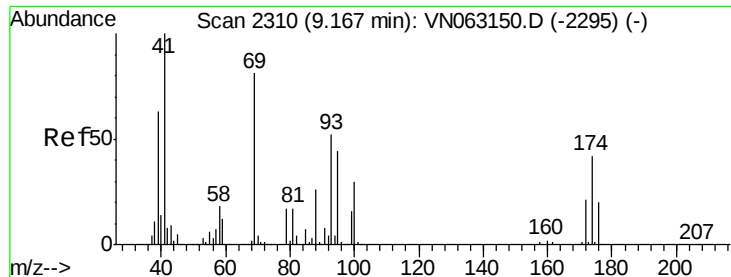
MMDadoda
9/3/2020 9:28:40 AM



#48
Methyl methacrylate
Concen: 53.808 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN063182.D
Acq: 2 Sep 2020 9:27

Tgt Ion	41	Resp	306351
Ion Ratio	100	Lower	Upper
41	100		
69	82.8	65.9	98.9
39	69.2	52.0	78.0





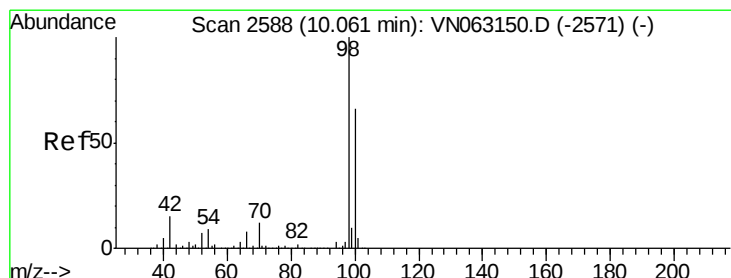
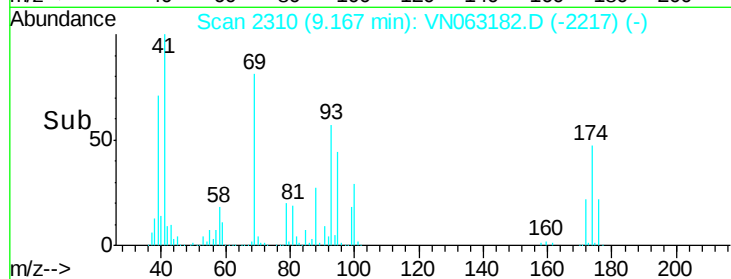
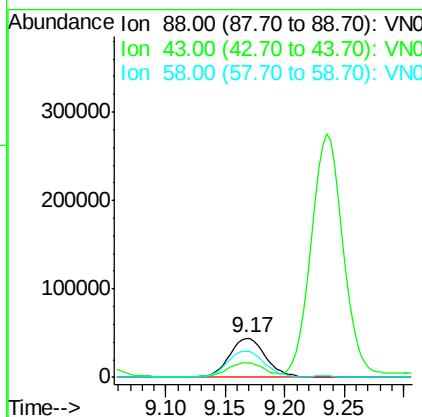
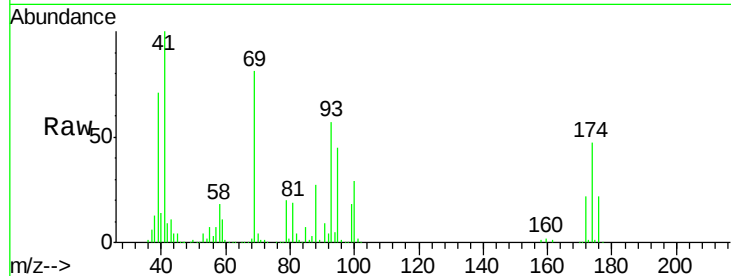
#49
1,4-Dioxane
Concen: 1071.519 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN063182.D
Acq: 2 Sep 2020 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.2	28.6	42.8
58	67.5	53.2	79.8

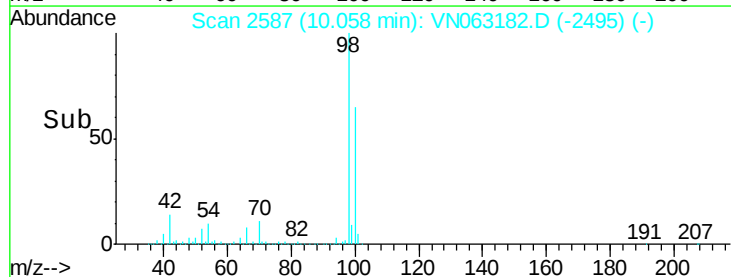
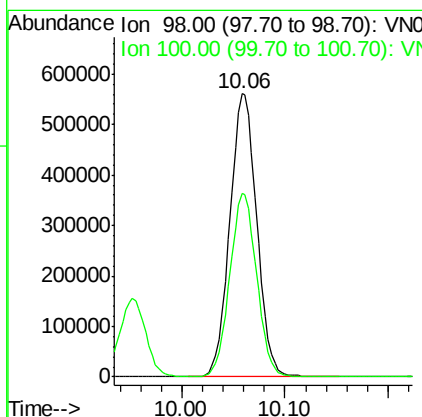
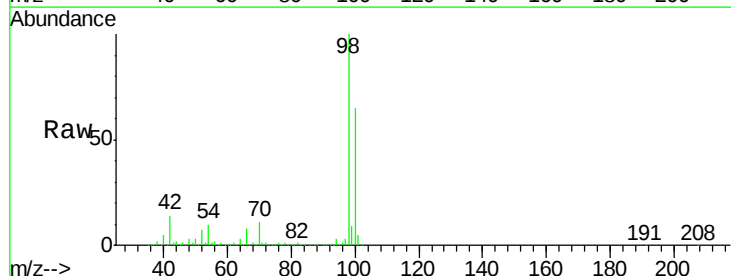
Manual Integrations
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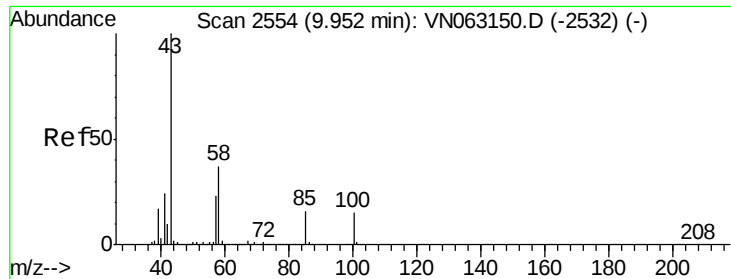
MMDadoda
9/3/2020 9:28:40 AM



#50
Toluene-d8
Concen: 51.359 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN063182.D
Acq: 2 Sep 2020 9:27

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.0	78.0





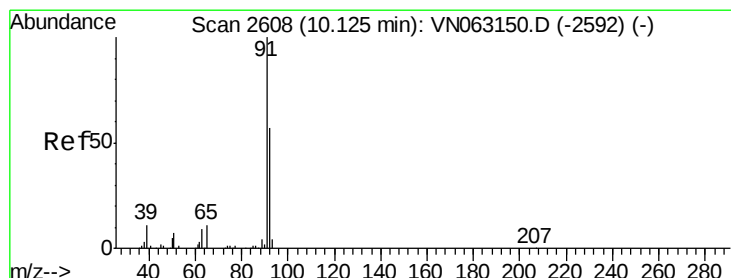
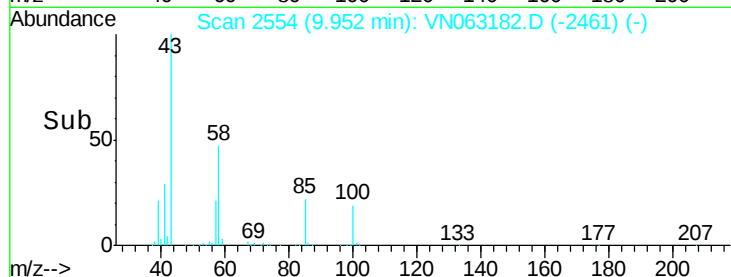
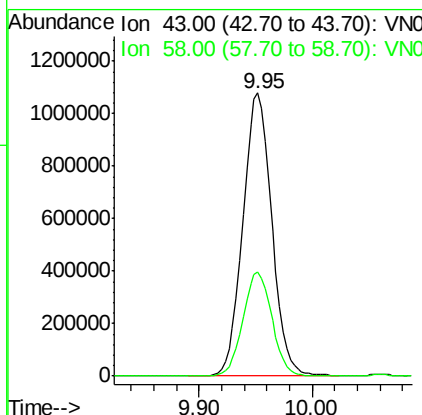
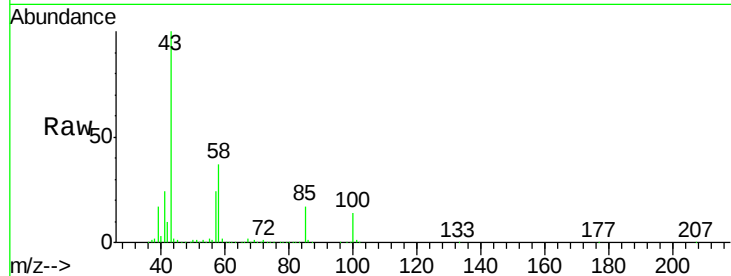
#51
4-Methyl-2-Pentanone
Concen: 279.612 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN063182.D
Acq: 2 Sep 2020 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1918969
Ion Ratio Lower Upper
43 100
58 37.0 29.2 43.8

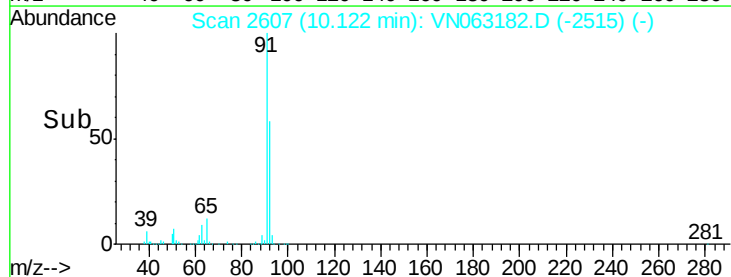
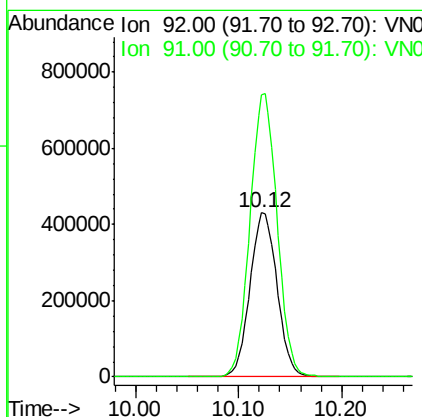
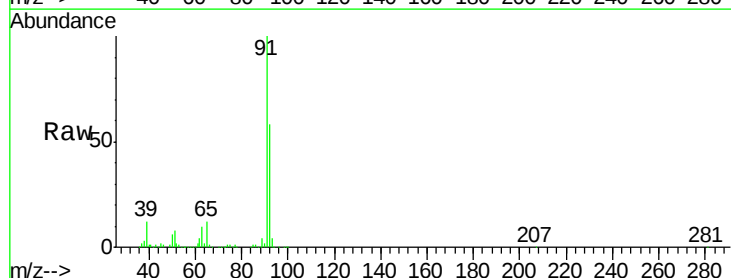
Manual Integrations
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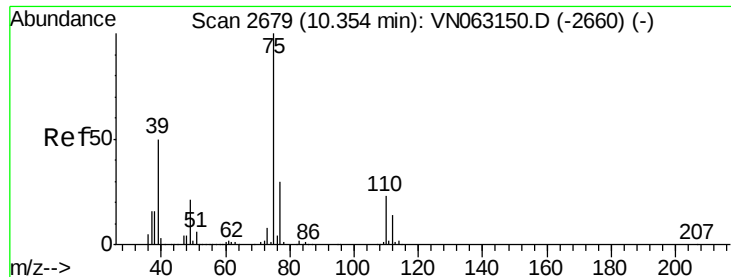
MMDadoda
9/3/2020 9:28:40 AM



#52
Toluene
Concen: 55.267 ug/l
RT: 10.12 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN063182.D
Acq: 2 Sep 2020 9:27

Tgt Ion: 92 Resp: 783474
Ion Ratio Lower Upper
92 100
91 173.2 141.2 211.8





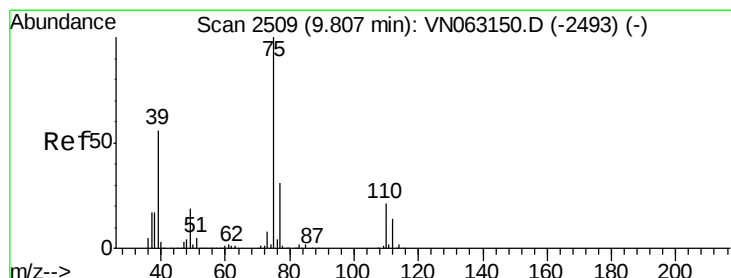
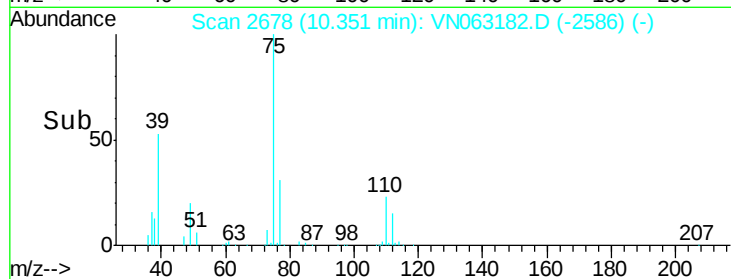
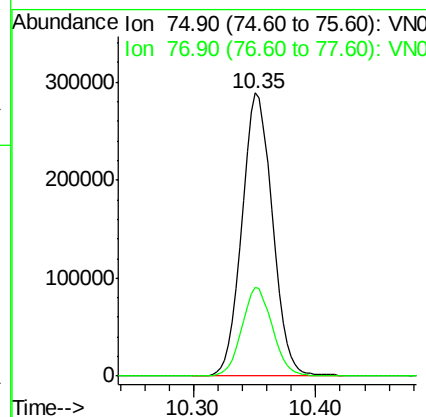
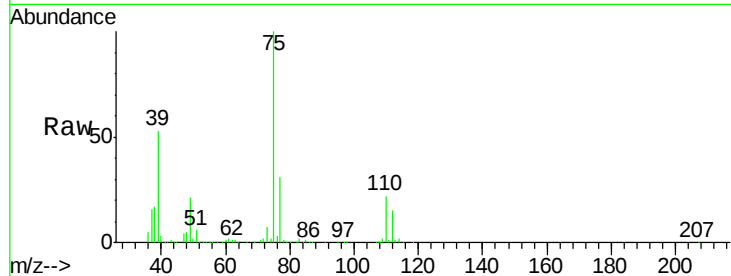
#53
t-1,3-Dichloropropene
Concen: 53.428 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. -0.00 min
Lab File: VN063182.D
Acq: 2 Sep 2020 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	24.2	36.2

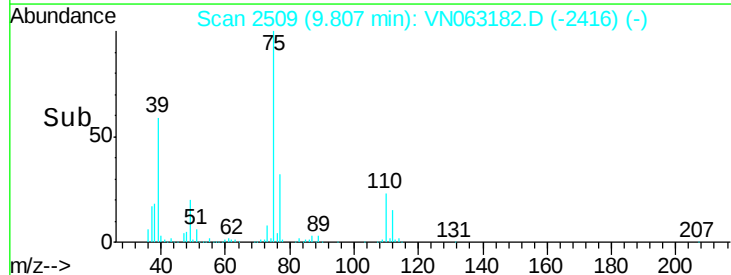
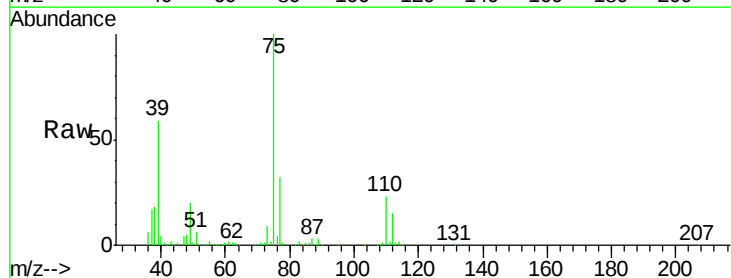
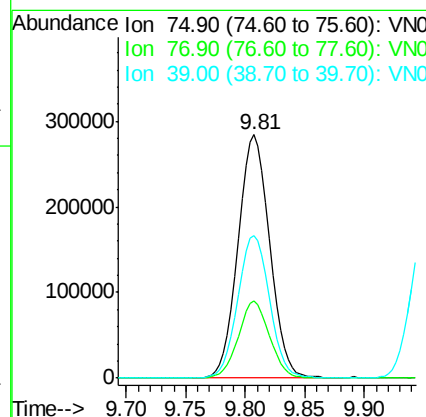
Manual Integrations
APPROVED

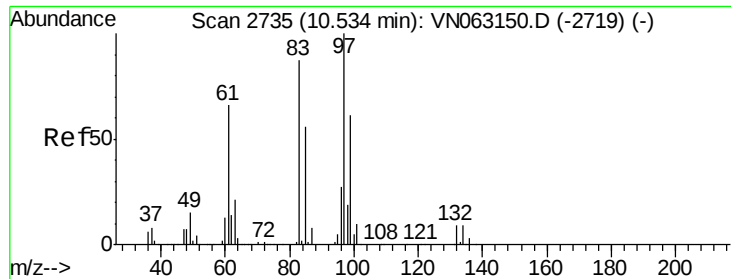
MMDadoda
9/3/2020 9:28:40 AM



#54
cis-1,3-Dichloropropene
Concen: 53.571 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN063182.D
Acq: 2 Sep 2020 9:27

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.4	24.8	37.2
39	58.6	45.0	67.6





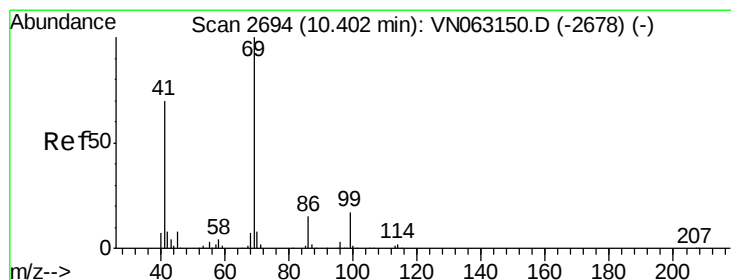
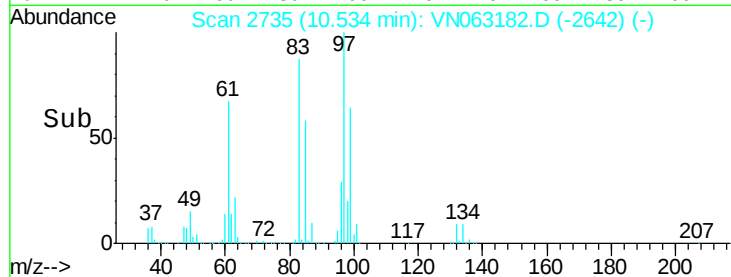
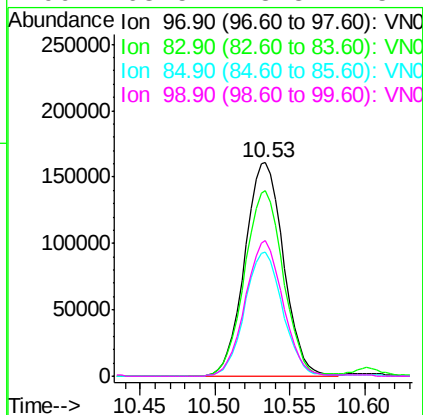
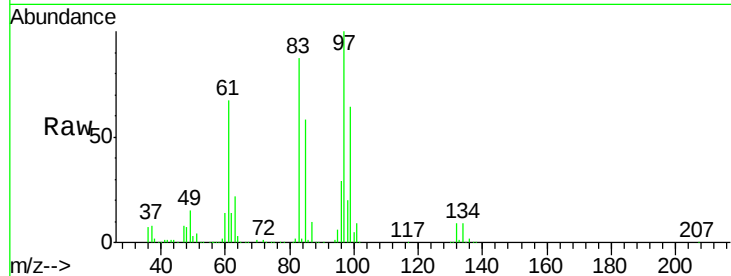
#55
 1,1,2-Trichloroethane
 Concen: 53.505 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN063182.D
 Acq: 2 Sep 2020 9:27

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion:	97	Resp:	290483
Ion Ratio	Lower	Upper	
97	100		
83	87.0	69.8	104.8
85	58.0	44.9	67.3
99	63.5	48.8	73.2

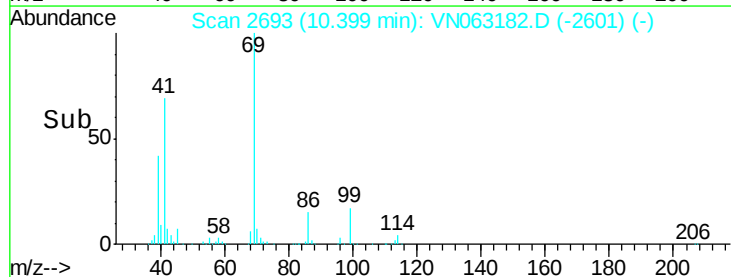
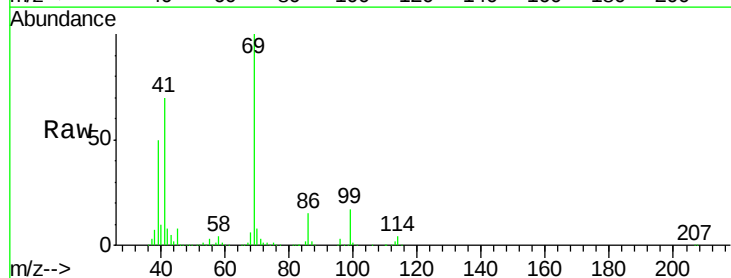
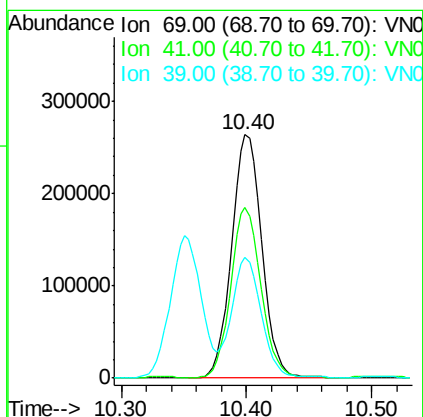
Manual Integrations
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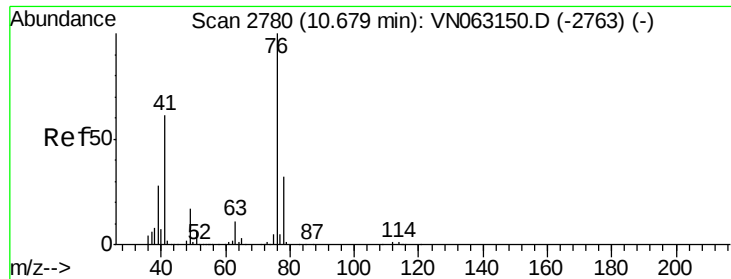
MMDadoda
 9/3/2020 9:28:40 AM



#56
 Ethyl methacrylate
 Concen: 53.614 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. -0.00 min
 Lab File: VN063182.D
 Acq: 2 Sep 2020 9:27

Tgt Ion:	69	Resp:	442969
Ion Ratio	Lower	Upper	
69	100		
41	68.6	55.5	83.3
39	47.8	38.2	57.2





#57

1,3-Dichloropropane

Concen: 53.734 ug/l

RT: 10.68 min Scan# 2780

Delta R.T. 0.00 min

Lab File: VN063182.D

Acq: 2 Sep 2020 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 519703

Ion Ratio Lower Upper

76 100

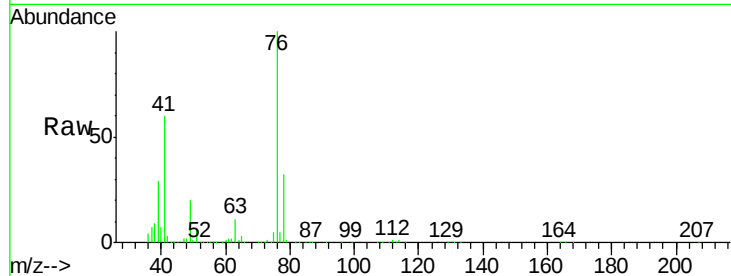
78 31.4 25.5 38.3

Manual Integrations

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MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.68

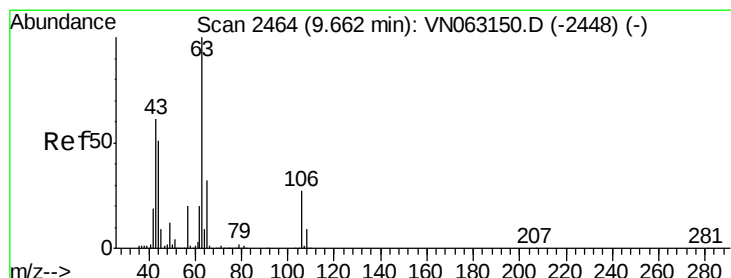
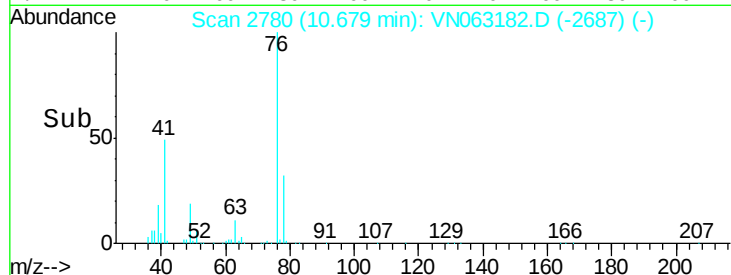
300000

200000

100000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 215.242 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN063182.D

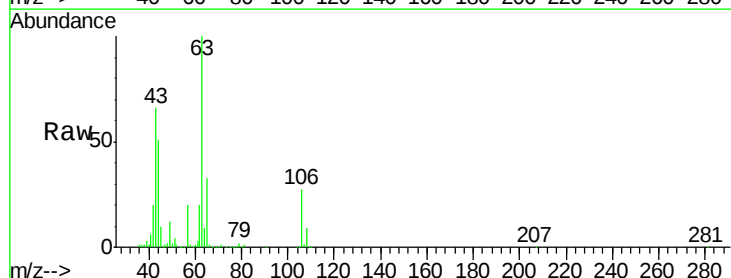
Acq: 2 Sep 2020 9:27

Tgt Ion: 63 Resp: 920909

Ion Ratio Lower Upper

63 100

106 27.6 21.8 32.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.66

600000

500000

400000

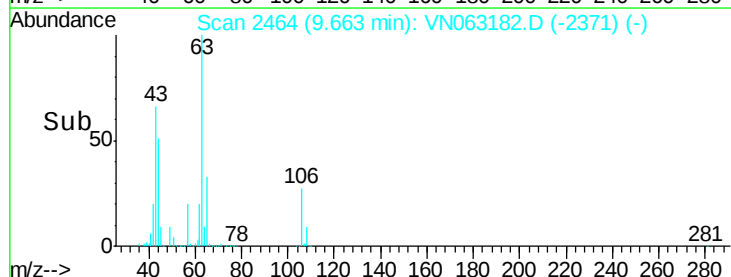
300000

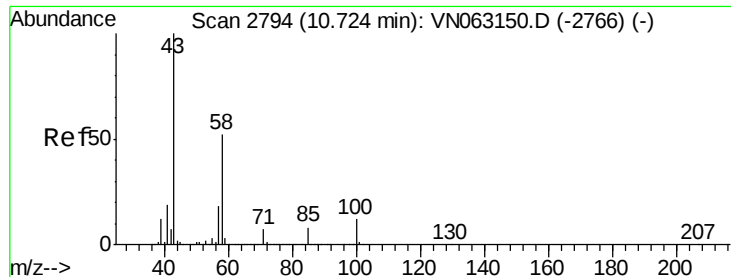
200000

100000

0

Time-->





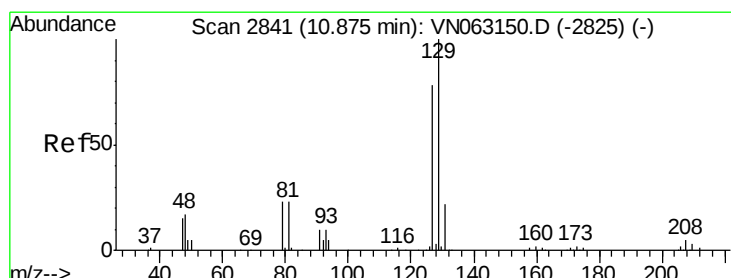
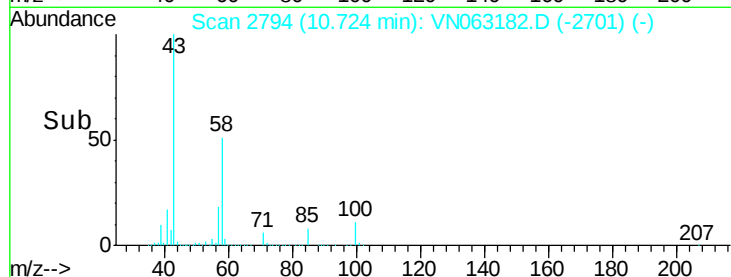
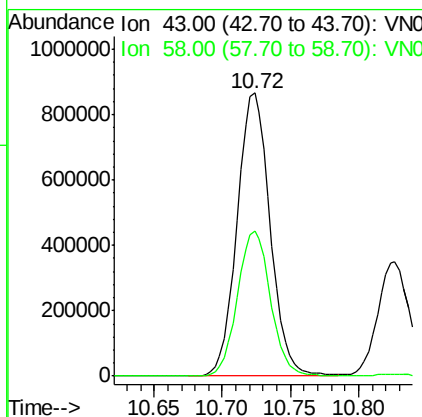
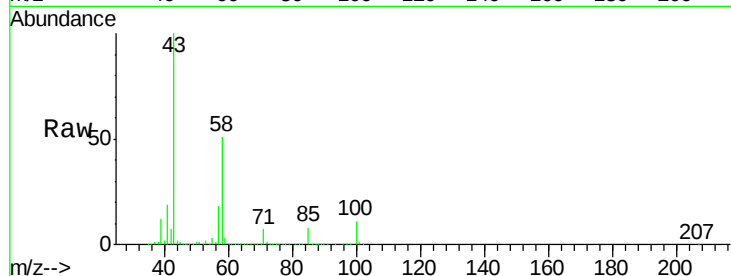
#59
2-Hexanone
Concen: 301.108 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN063182.D
Acq: 2 Sep 2020 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1452301
Ion Ratio Lower Upper
43 100
58 51.5 25.9 77.8

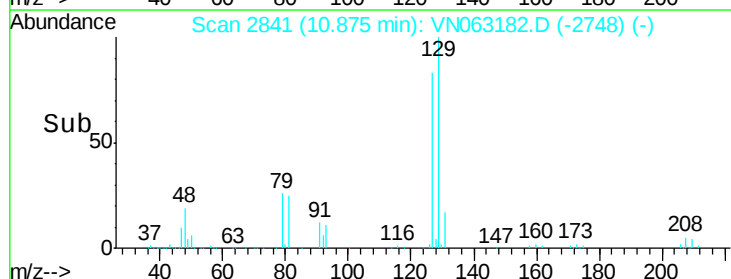
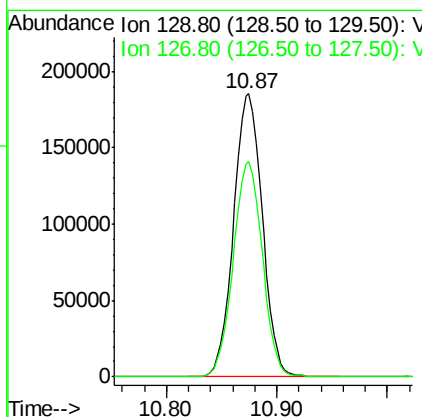
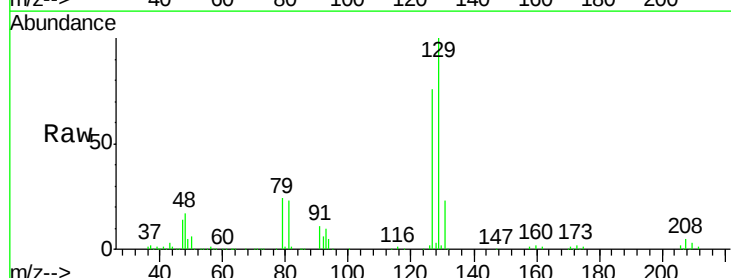
Manual Integrations
APPROVED

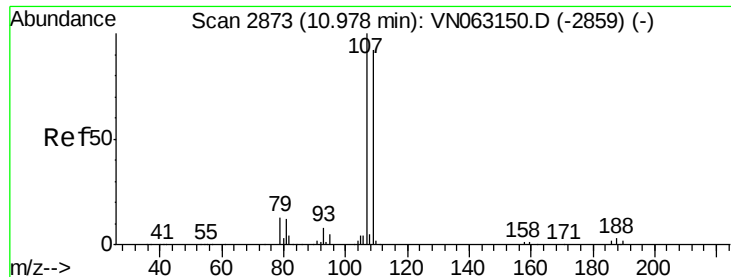
MMDadoda
9/3/2020 9:28:40 AM



#60
Dibromochloromethane
Concen: 55.933 ug/l
RT: 10.87 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN063182.D
Acq: 2 Sep 2020 9:27

Tgt Ion: 129 Resp: 335722
Ion Ratio Lower Upper
129 100
127 77.0 39.0 117.0





#61

1,2-Dibromoethane

Concen: 53.882 ug/l

RT: 10.98 min Scan# 2873

Delta R.T. 0.00 min

Lab File: VN063182.D

Acq: 2 Sep 2020 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 304095

Ion Ratio Lower Upper

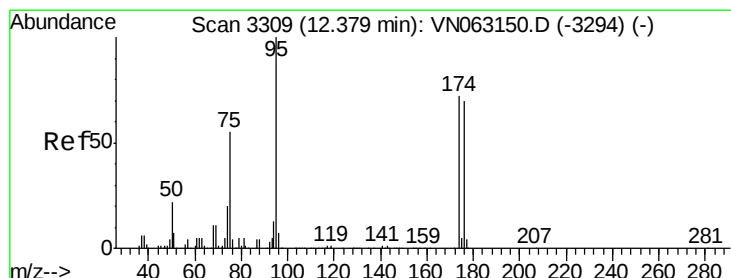
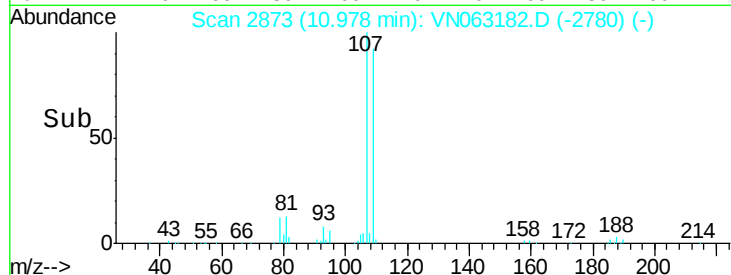
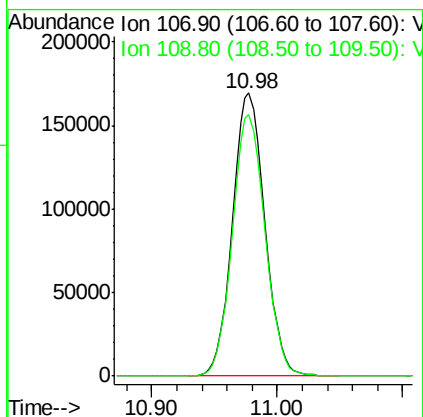
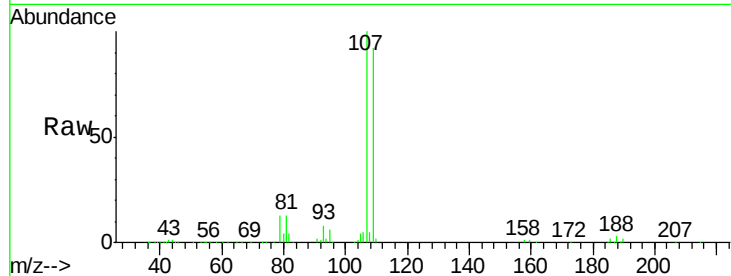
107 100

109 93.4 73.4 110.0

Manual Integrations
APPROVED

MMDadoda

9/3/2020 9:28:40 AM



#62

4-Bromofluorobenzene

Concen: 51.034 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063182.D

Acq: 2 Sep 2020 9:27

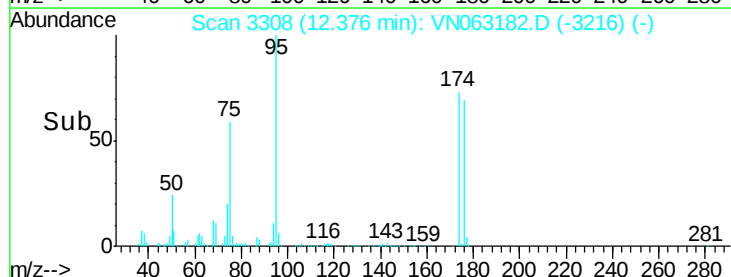
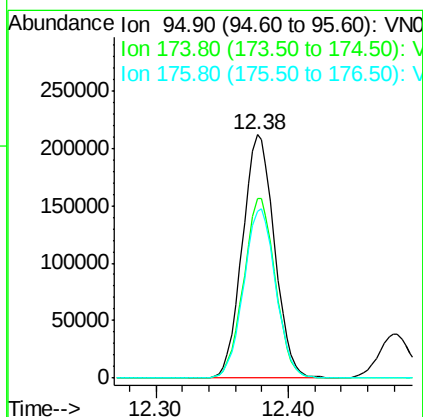
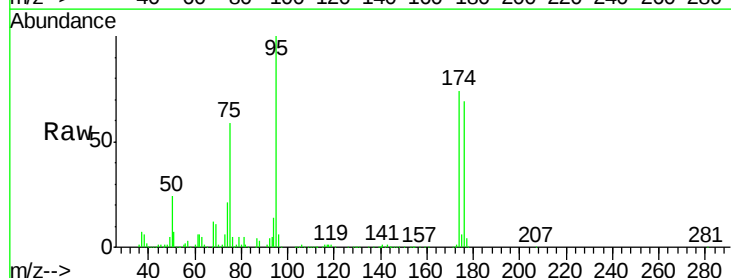
Tgt Ion: 95 Resp: 355103

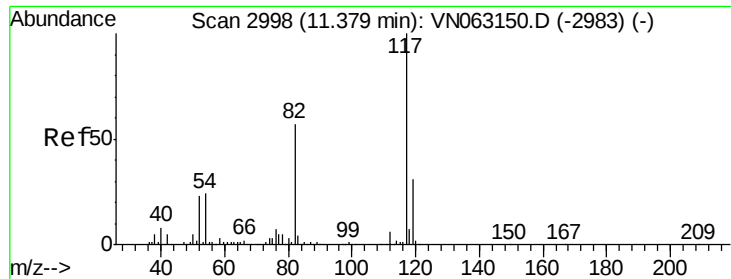
Ion Ratio Lower Upper

95 100

174 72.8 0.0 143.8

176 69.5 0.0 138.4





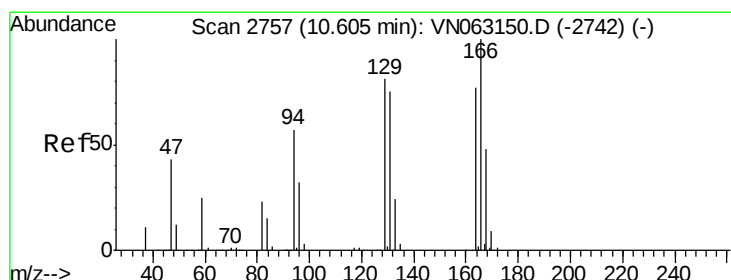
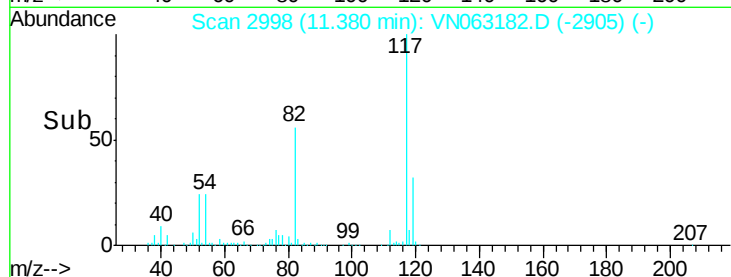
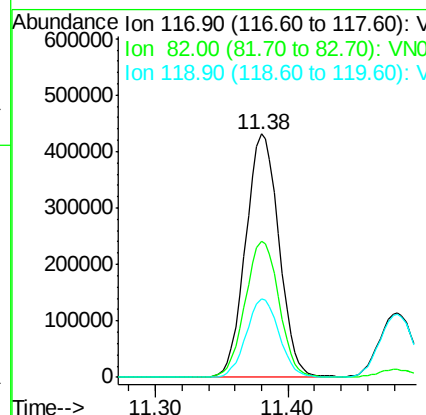
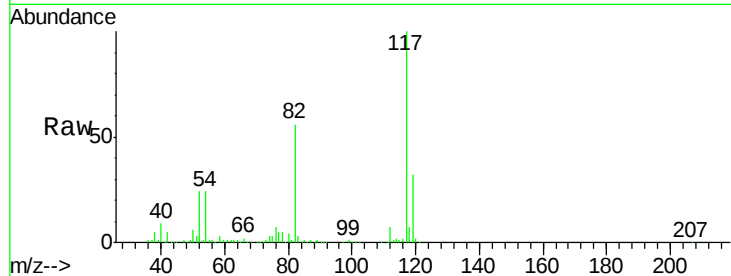
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063182.D
Acq: 2 Sep 2020 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	755261		
82	56.1	45.4	68.0	
119	32.1	24.6	37.0	

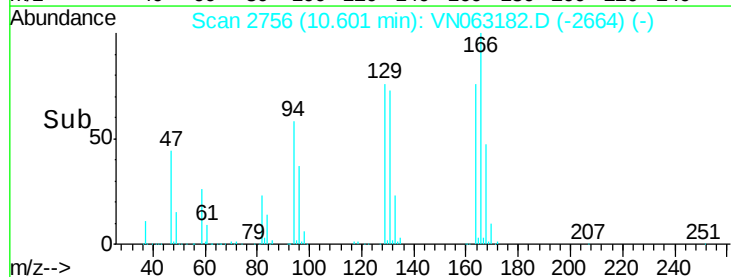
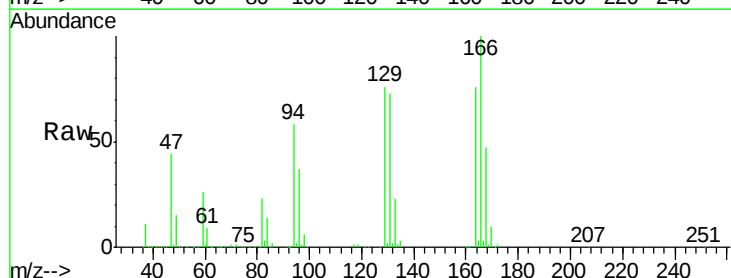
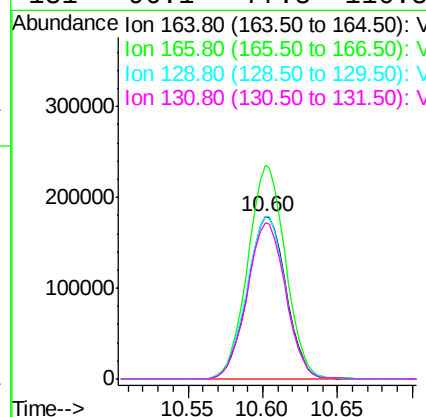
Manual Integrations
APPROVED

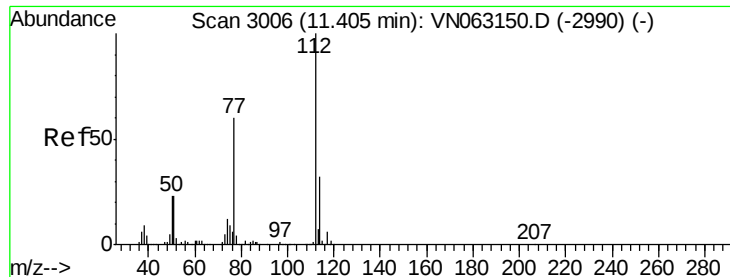
MMDadoda
9/3/2020 9:28:40 AM



#64
Tetrachloroethene
Concen: 59.136 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN063182.D
Acq: 2 Sep 2020 9:27

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	320726		
166	131.7	103.4	155.2	
129	100.3	83.4	125.0	
131	96.1	77.8	116.8	





#65

Chlorobenzene

Concen: 52.917 ug/l

RT: 11.41 min Scan# 3006

Delta R.T. 0.00 min

Lab File: VN063182.D

Acq: 2 Sep 2020 9:27

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:112 Resp: 804963

Ion Ratio Lower Upper

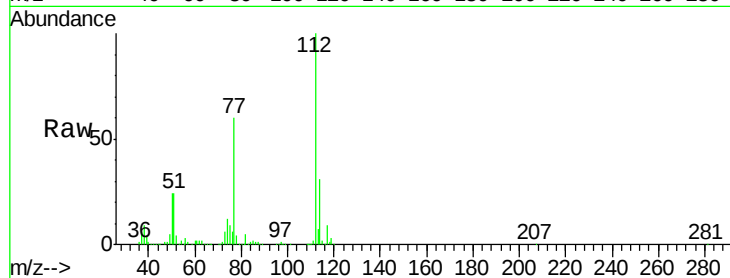
112 100

114 31.2 25.2 37.8

Manual Integrations
APPROVED

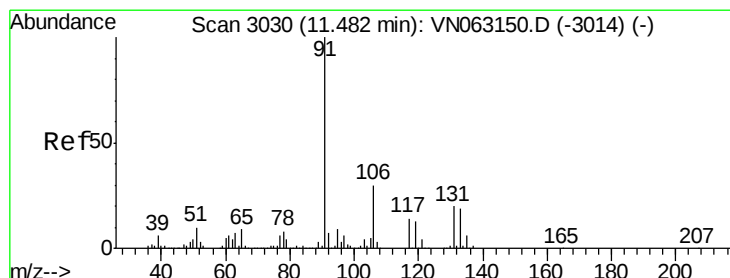
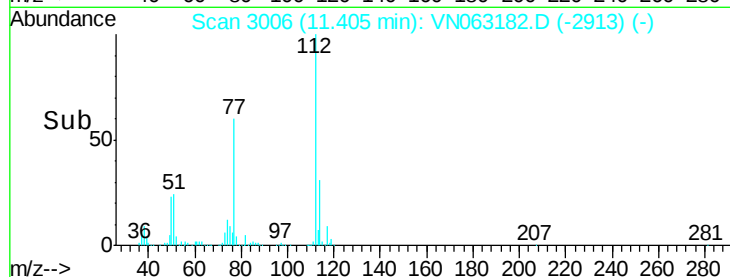
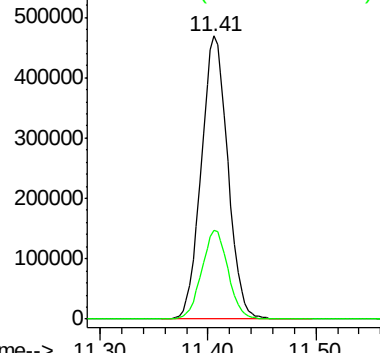
MMDadoda

9/3/2020 9:28:40 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 53.098 ug/l

RT: 11.48 min Scan# 3030

Delta R.T. 0.00 min

Lab File: VN063182.D

Acq: 2 Sep 2020 9:27

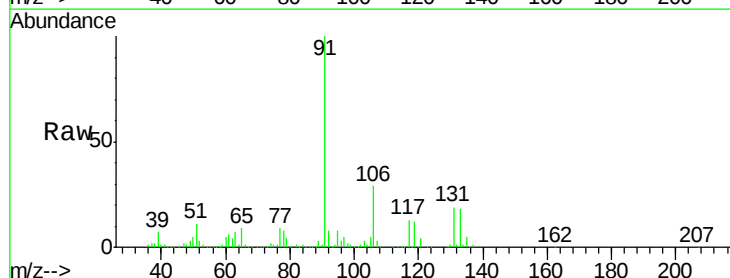
Tgt Ion:131 Resp: 299890

Ion Ratio Lower Upper

131 100

133 95.4 47.3 142.0

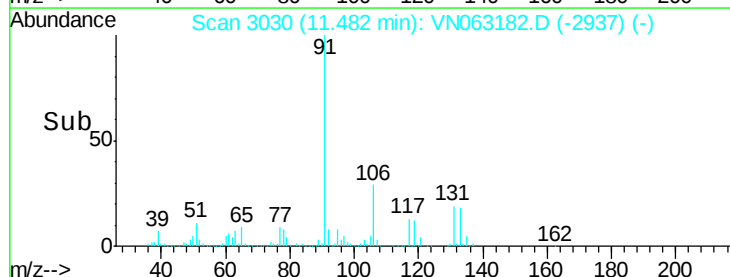
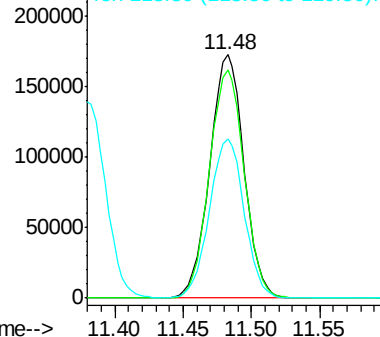
119 66.3 32.4 97.0

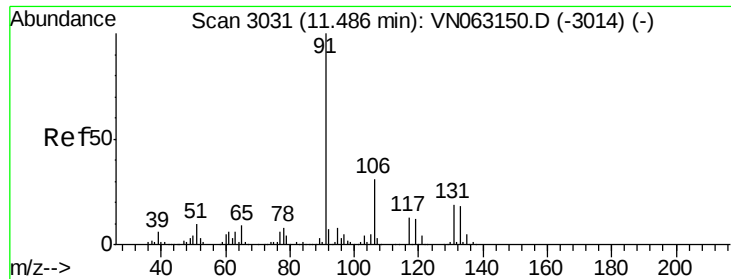


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





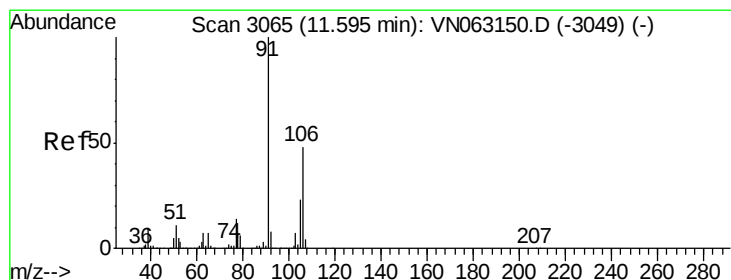
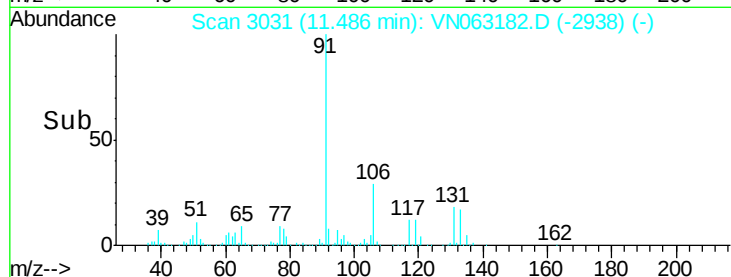
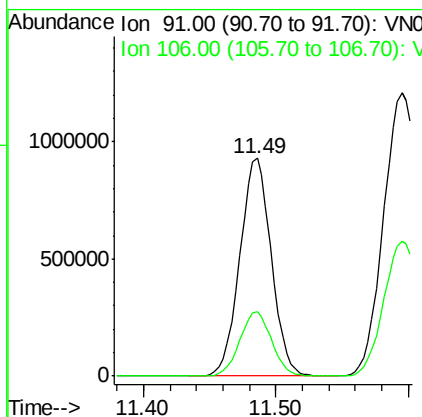
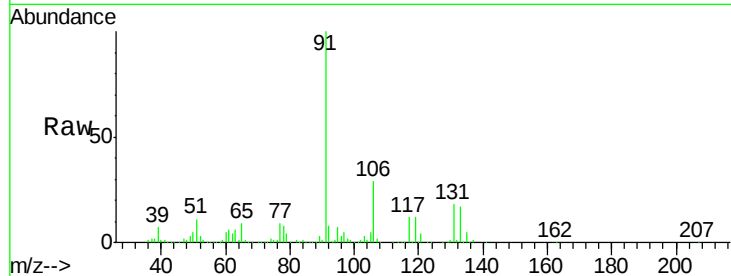
#67
Ethyl Benzene
Concen: 55.019 ug/l
RT: 11.49 min Scan# 3031
Delta R.T. 0.00 min
Lab File: VN063182.D
Acq: 2 Sep 2020 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1526813
Ion Ratio Lower Upper
91 100
106 29.4 24.4 36.6

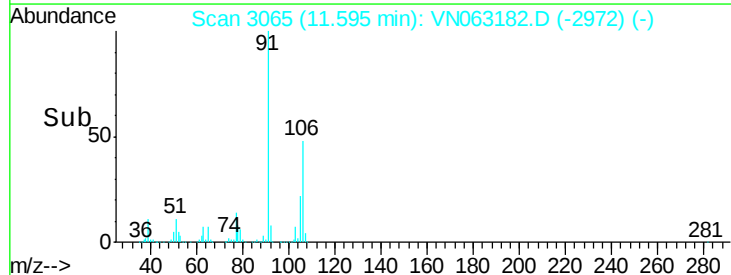
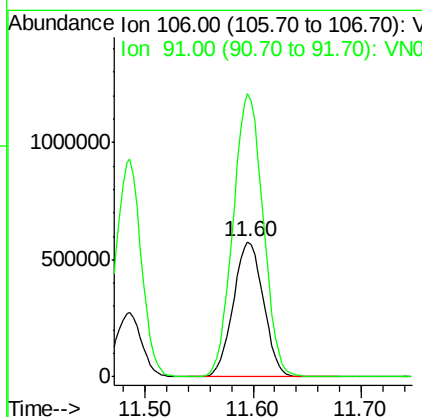
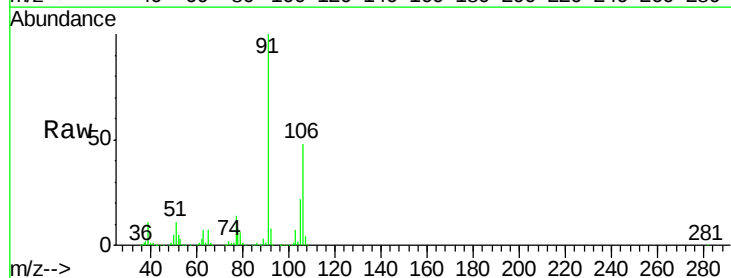
Manual Integrations
APPROVED

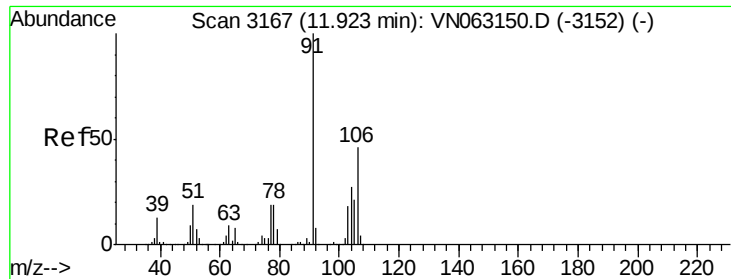
MMDadoda
9/3/2020 9:28:40 AM



#68
m/p-Xylenes
Concen: 109.216 ug/l
RT: 11.60 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN063182.D
Acq: 2 Sep 2020 9:27

Tgt Ion: 106 Resp: 1122529
Ion Ratio Lower Upper
106 100
91 208.8 166.7 250.1





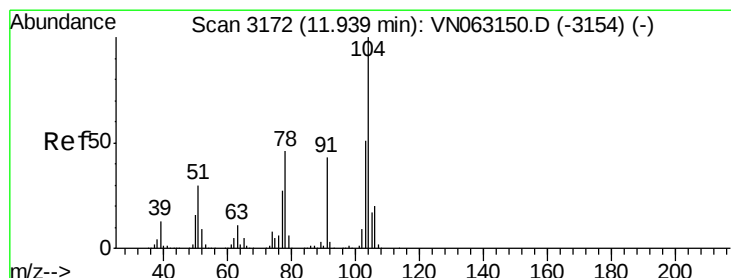
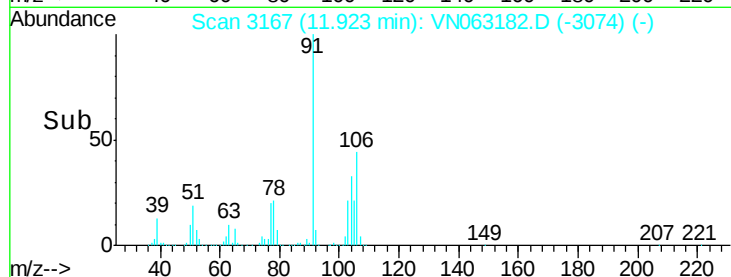
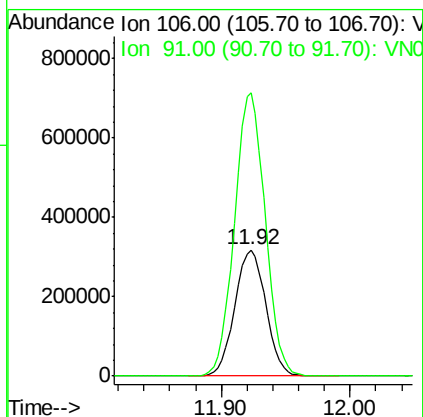
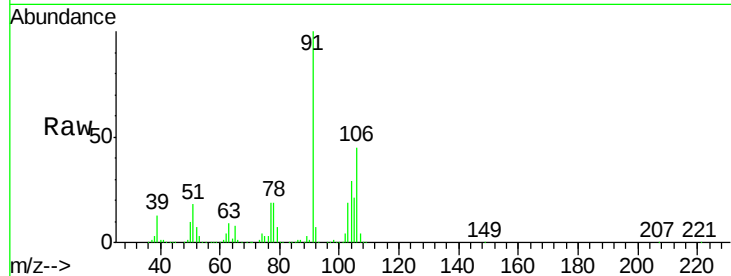
#69
o-Xylene
Concen: 53.667 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN063182.D
Acq: 2 Sep 2020 9:27

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		532857		
91	221.5	108.6	325.6		

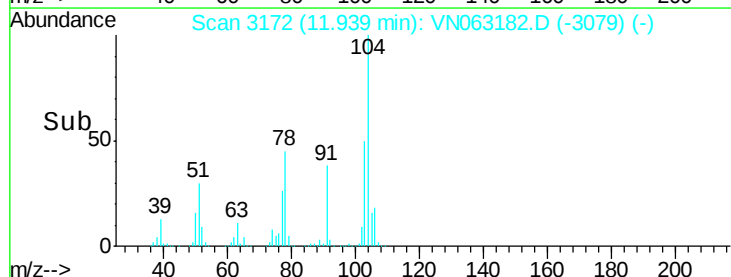
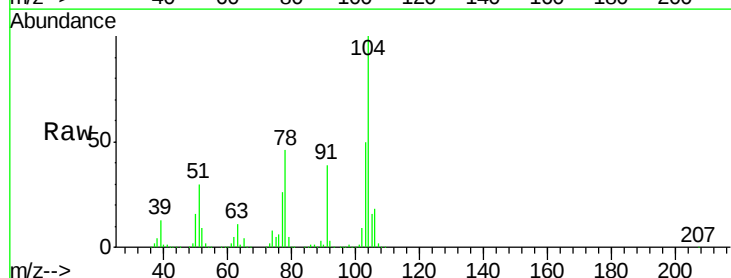
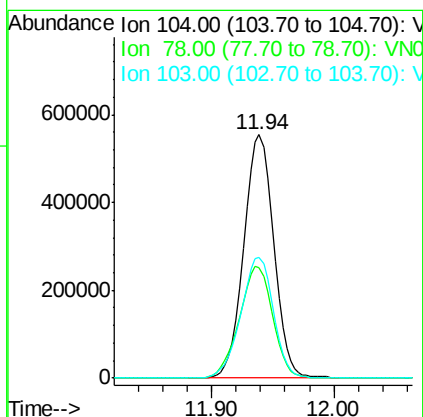
Manual Integrations
APPROVED

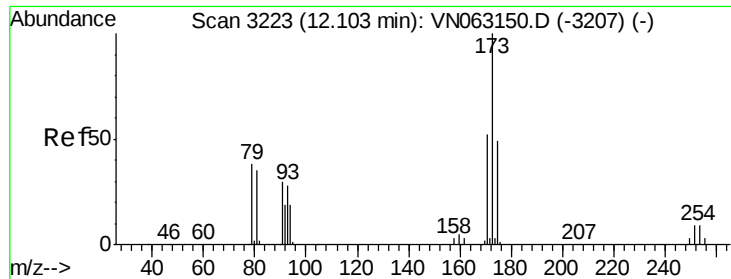
MMDadoda
9/3/2020 9:28:40 AM



#70
Styrene
Concen: 54.883 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. 0.00 min
Lab File: VN063182.D
Acq: 2 Sep 2020 9:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		936519		
78	51.3	41.0	61.6		
103	54.2	43.8	65.8		





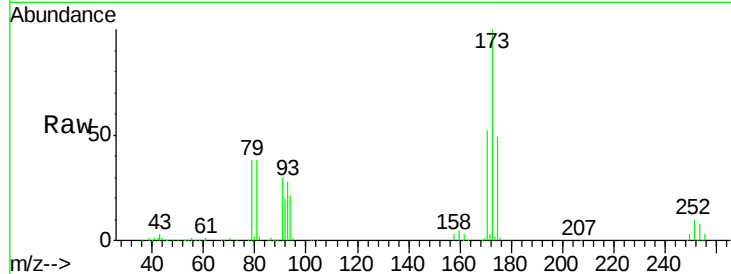
#71
Bromoform
Concen: 53.914 ug/l
RT: 12.10 min Scan# 3223
Delta R.T. 0.00 min
Lab File: VN063182.D
Acq: 2 Sep 2020 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.8	24.6	73.8
254	0.1	0.0	0.0#

Manual Integrations
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MMDadoda
9/3/2020 9:28:40 AM

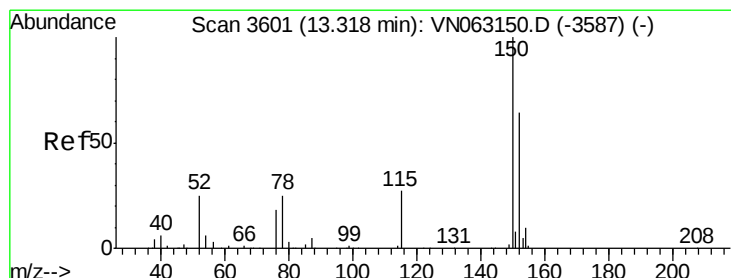
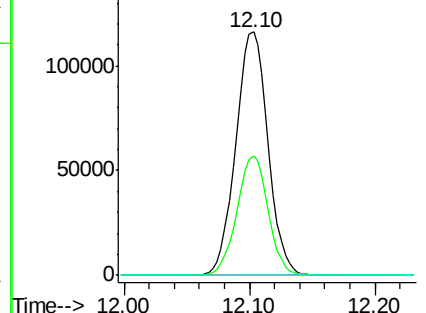
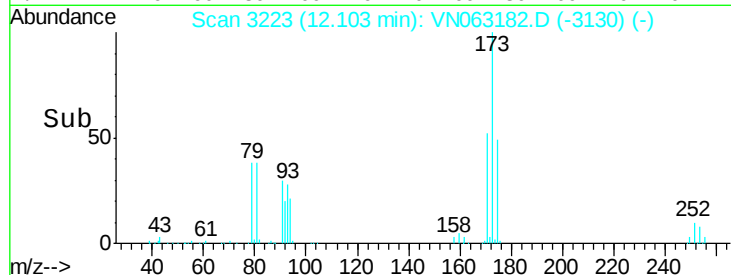


Abundance

Ion 172.70 (172.40 to 173.40): V

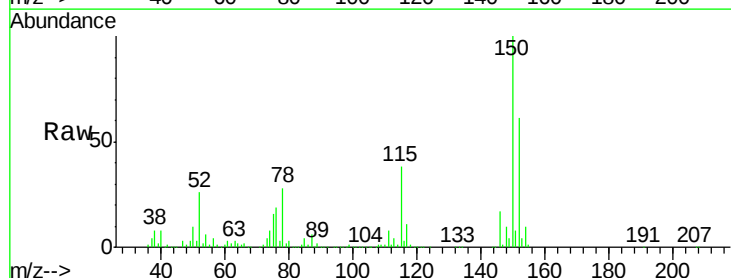
Ion 174.70 (174.40 to 175.40): V

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: VN063182.D
Acq: 2 Sep 2020 9:27

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.0	32.0	96.2
150	177.6	0.0	353.0

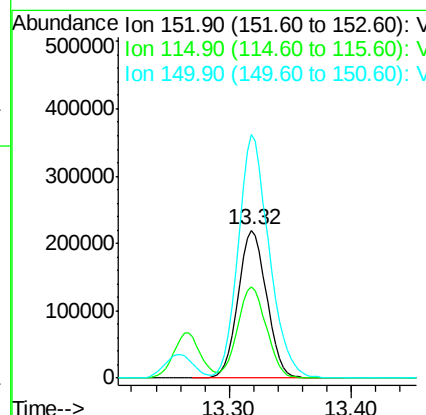
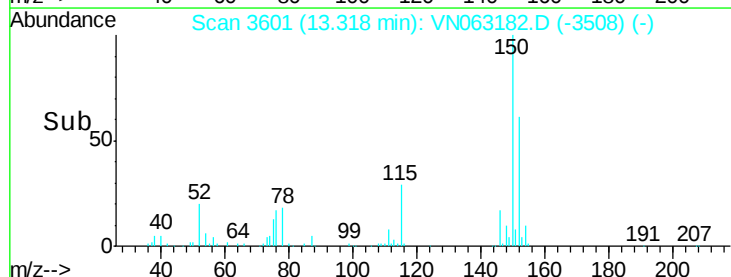


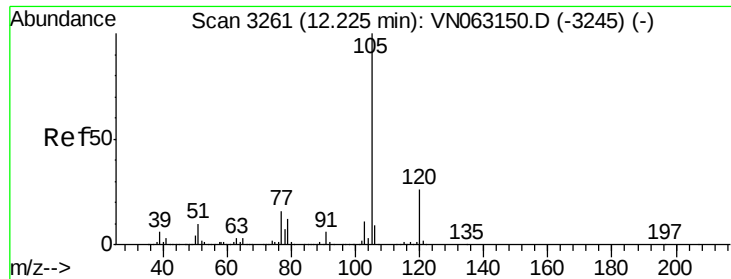
Abundance

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: 53.913 ug/l

RT: 12.23 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN063182.D

Acq: 2 Sep 2020 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1475701

Ion Ratio Lower Upper

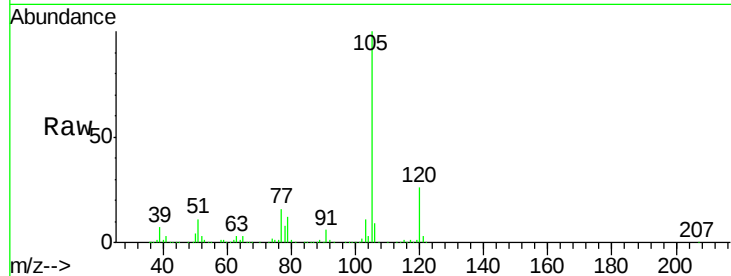
105 100

120 25.3 12.9 38.6

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.23

1000000

800000

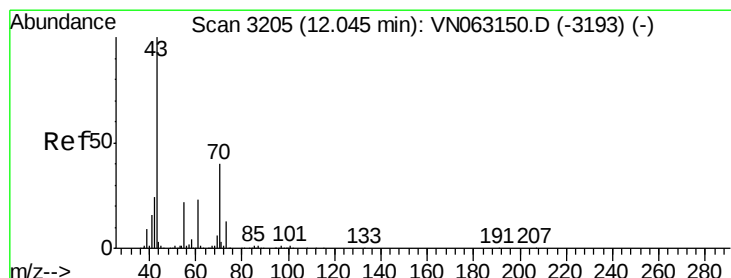
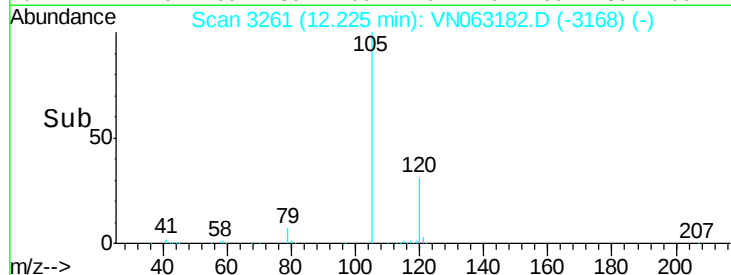
600000

400000

200000

0

Time-->



#74

N-ethyl acetate

Concen: 52.177 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN063182.D

Acq: 2 Sep 2020 9:27

Tgt Ion: 43 Resp: 591582

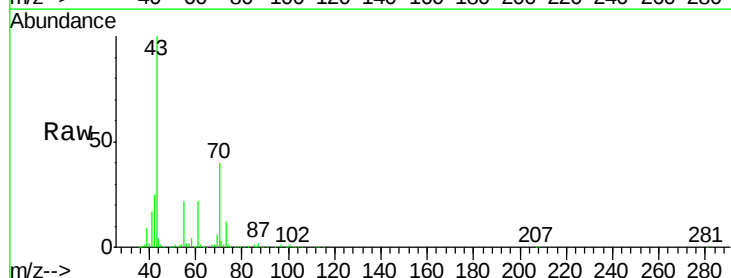
Ion Ratio Lower Upper

43 100

70 39.4 32.1 48.1

55 21.9 17.4 26.0

61 22.3 18.6 27.8



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

12.05

600000

500000

400000

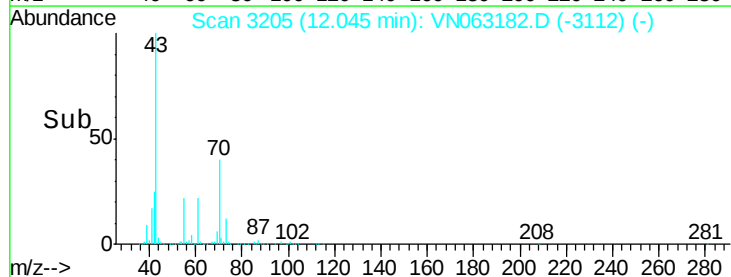
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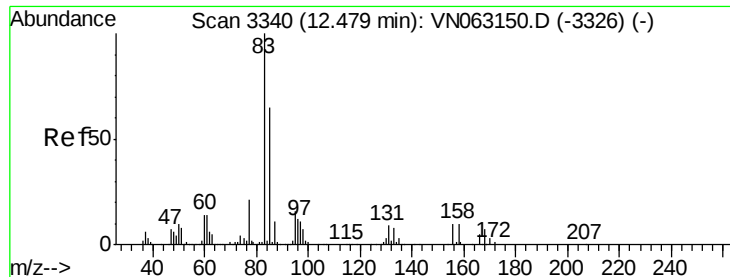
200000

100000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 48.419 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN063182.D

Acq: 2 Sep 2020 9:27

Instrument :

MSVOA_N

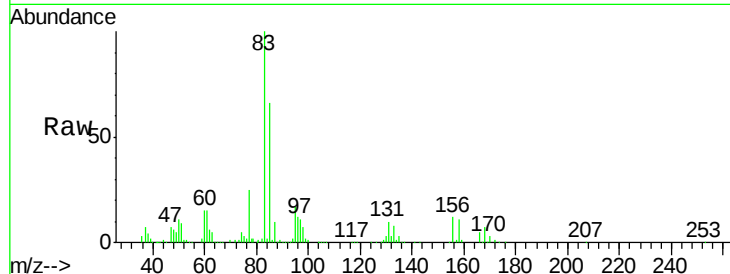
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	382099
Ion Ratio	Lower	Upper	
83	100		
131	9.8	4.7	14.0
85	64.6	32.7	98.1

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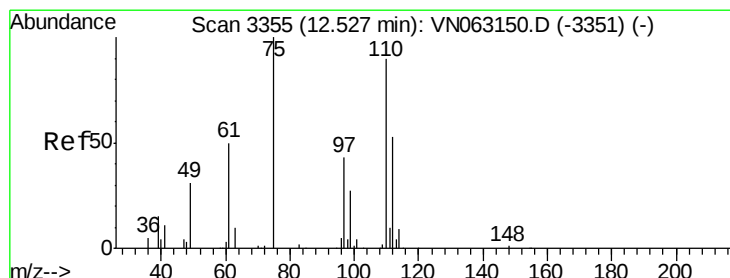
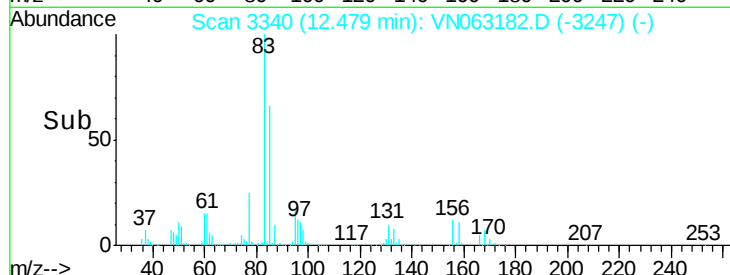
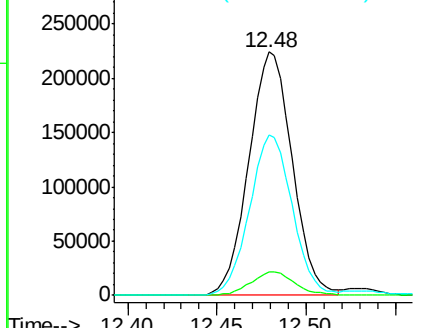
MMDadoda
9/3/2020 9:28:40 AM



Abundance Ion 82.90 (82.60 to 83.60): VN063182.D (-3247) (-)

Ion 130.80 (130.50 to 131.50): VN063182.D (-3247) (-)

Ion 84.90 (84.60 to 85.60): VN063182.D (-3247) (-)



#76

1,2,3-Trichloropropane

Concen: 49.050 ug/l m

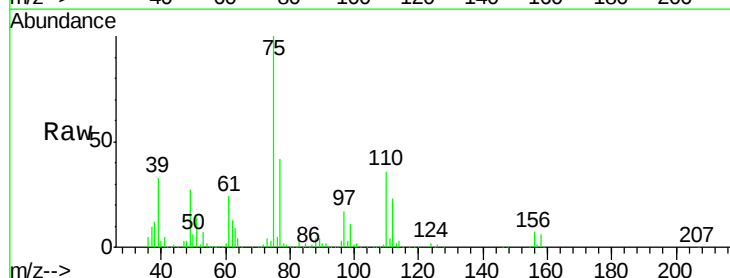
RT: 12.53 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN063182.D

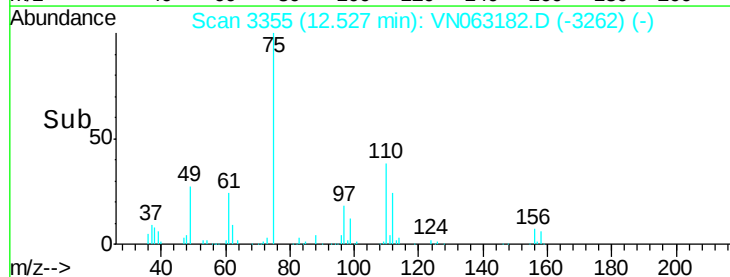
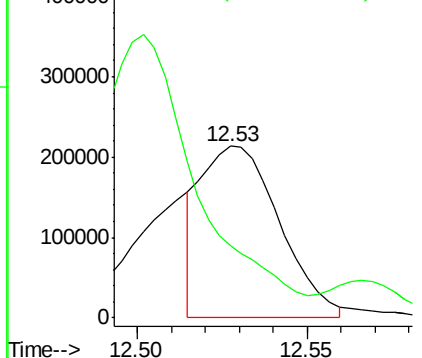
Acq: 2 Sep 2020 9:27

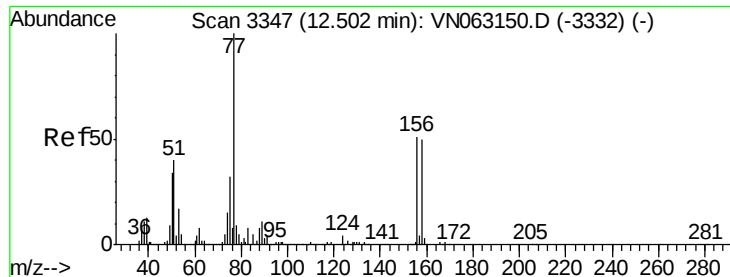
Tgt Ion:	75	Resp:	343932
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN063182.D (-3262) (-)

Ion 77.00 (76.70 to 77.70): VN063182.D (-3262) (-)





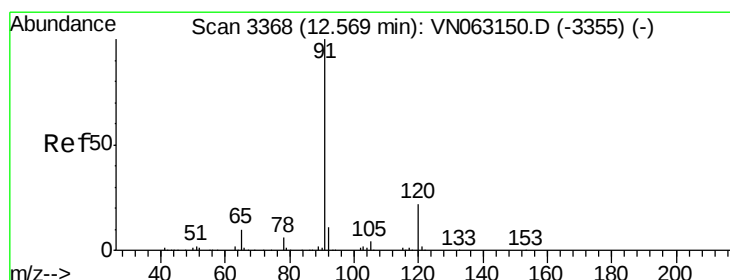
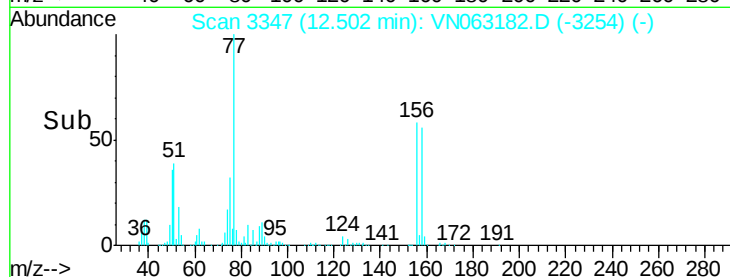
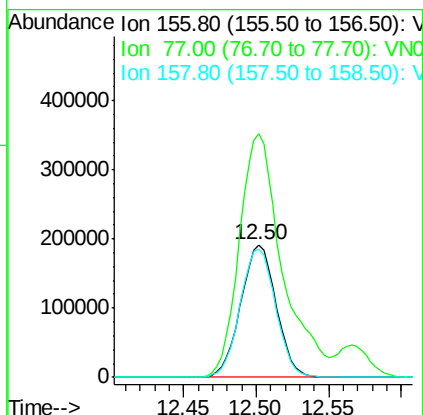
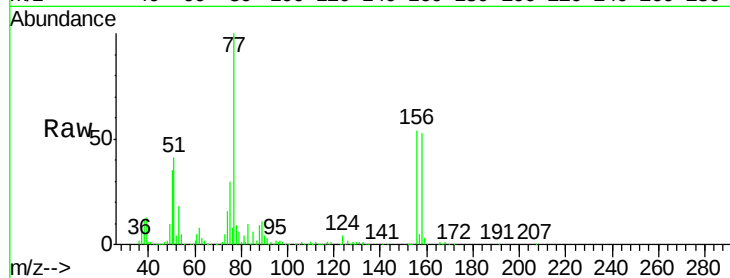
#77
Bromobenzene
Concen: 52.774 ug/l
RT: 12.50 min Scan# 3347
Delta R.T. 0.00 min
Lab File: VN063182.D
Acq: 2 Sep 2020 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	221.7	116.1	348.3
158	97.3	48.8	146.4

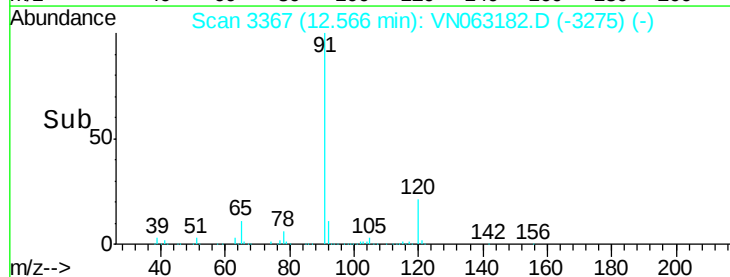
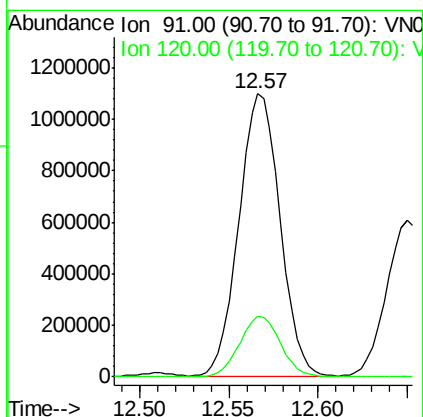
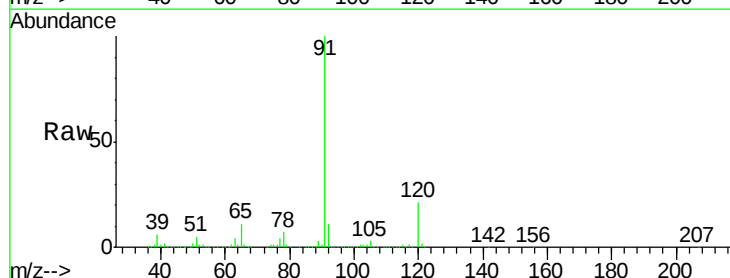
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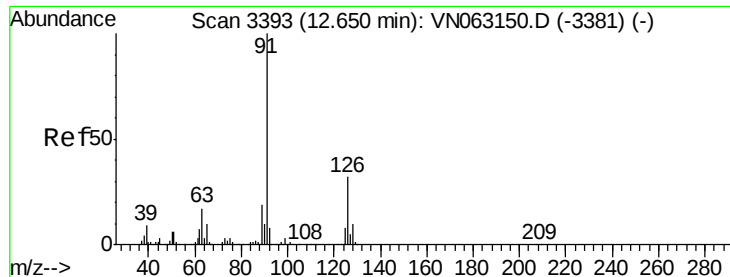
MMDadoda
9/3/2020 9:28:40 AM



#78
n-propylbenzene
Concen: 55.338 ug/l
RT: 12.57 min Scan# 3367
Delta R.T. -0.00 min
Lab File: VN063182.D
Acq: 2 Sep 2020 9:27

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.5	10.9	32.7





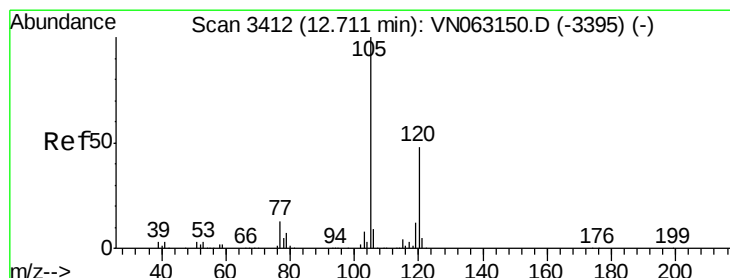
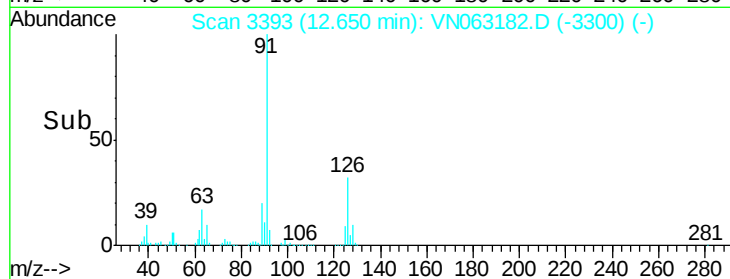
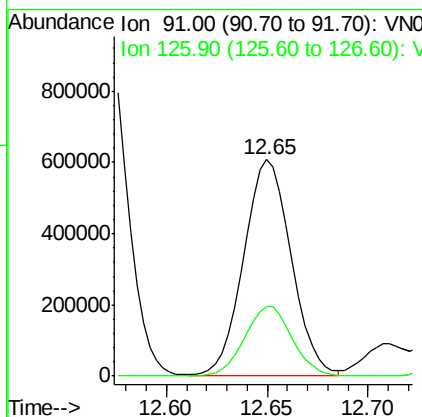
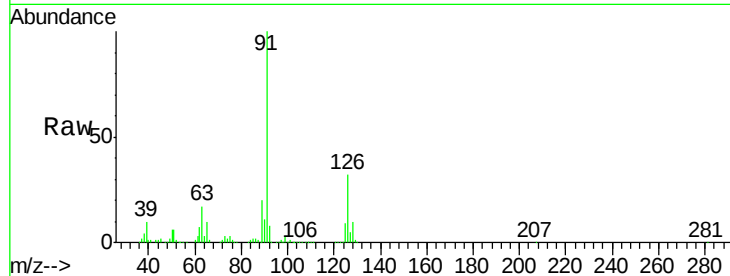
#79
 2-Chlorotoluene
 Concen: 52.374 ug/l
 RT: 12.65 min Scan# 3393
 Delta R.T. 0.00 min
 Lab File: VN063182.D
 Acq: 2 Sep 2020 9:27

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion: 91 Resp: 993580
 Ion Ratio Lower Upper
 91 100
 126 32.6 16.1 48.3

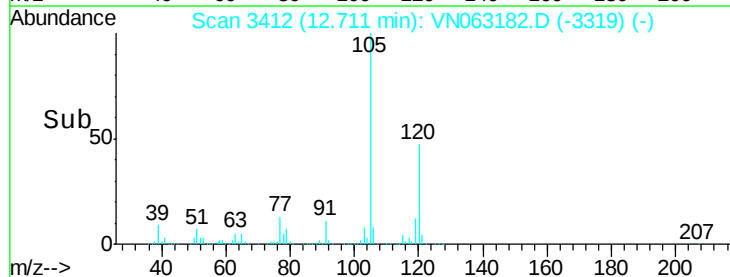
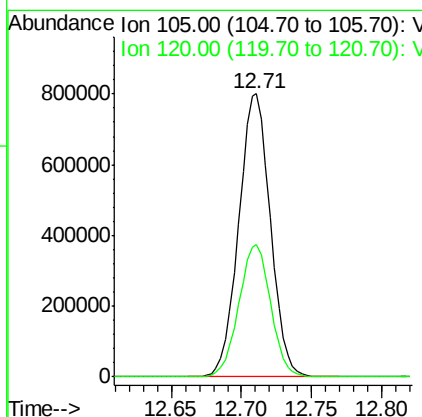
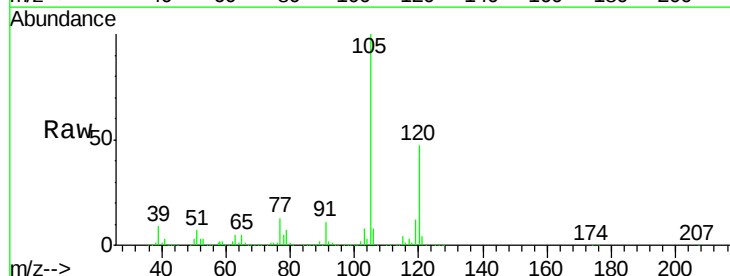
Manual Integrations
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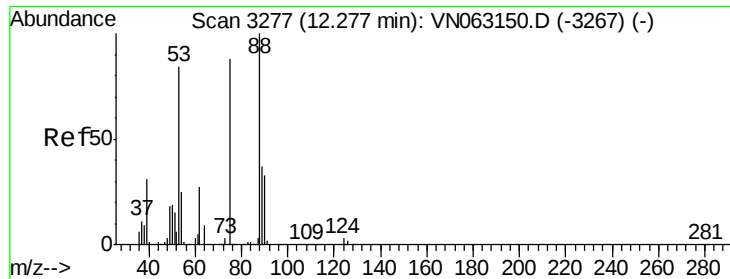
MMDadoda
 9/3/2020 9:28:40 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 55.128 ug/l
 RT: 12.71 min Scan# 3412
 Delta R.T. 0.00 min
 Lab File: VN063182.D
 Acq: 2 Sep 2020 9:27

Tgt Ion: 105 Resp: 1256002
 Ion Ratio Lower Upper
 105 100
 120 47.0 24.2 72.6





#81

trans-1,4-Dichloro-2-butene

Concen: 48.209 ug/l

RT: 12.28 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN063182.D

Acq: 2 Sep 2020 9:27

Instrument :

MSVOA_N

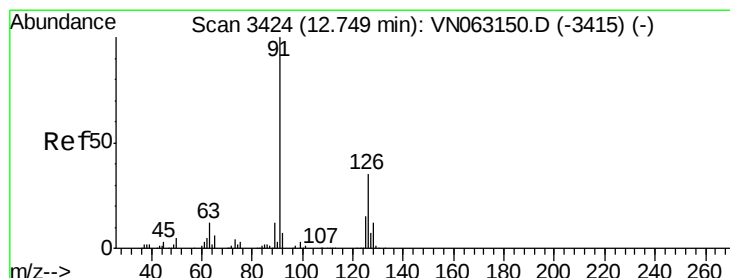
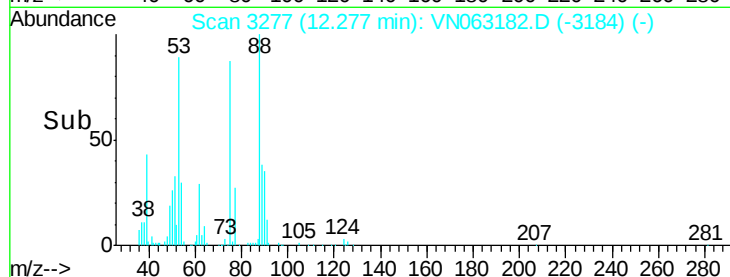
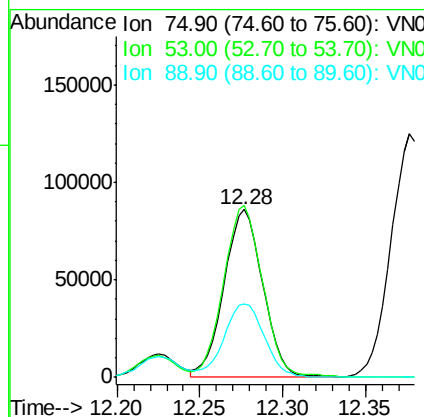
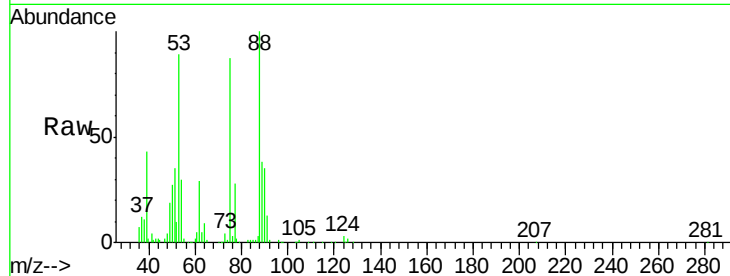
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	139860
Ion	Ratio	Lower	Upper
75	100		
53	103.2	78.7	118.1
89	45.2	35.3	52.9

Manual Integrations
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9/3/2020 9:28:40 AM



#82

4-Chlorotoluene

Concen: 53.290 ug/l

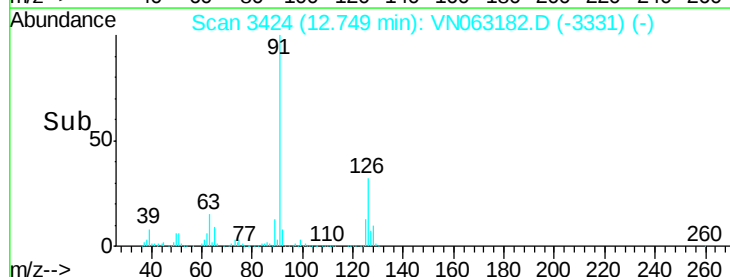
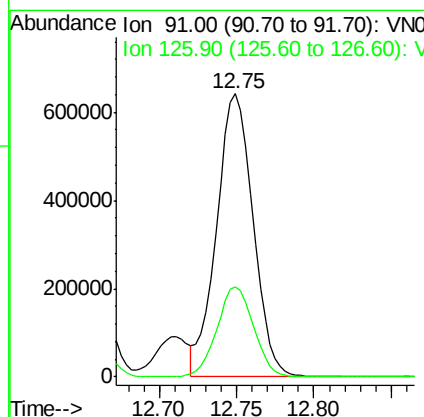
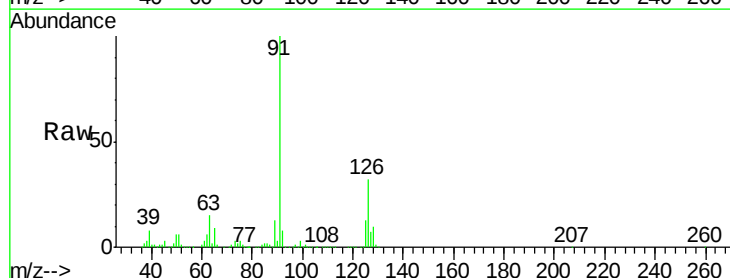
RT: 12.75 min Scan# 3424

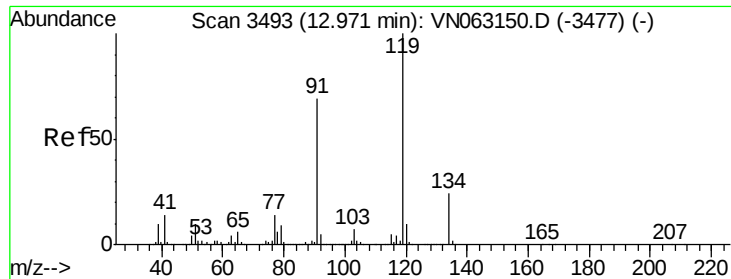
Delta R.T. 0.00 min

Lab File: VN063182.D

Acq: 2 Sep 2020 9:27

Tgt Ion:	91	Resp:	1048496
Ion	Ratio	Lower	Upper
91	100		
126	32.0	16.2	48.5





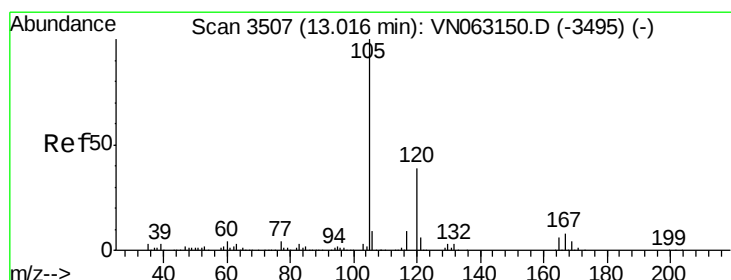
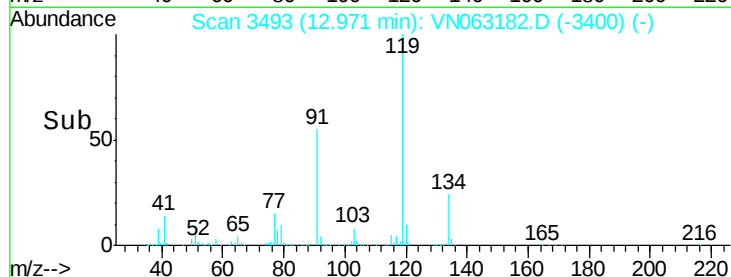
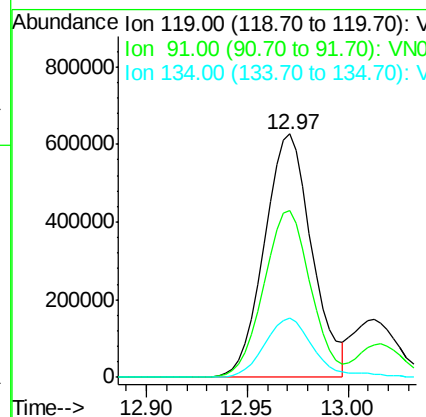
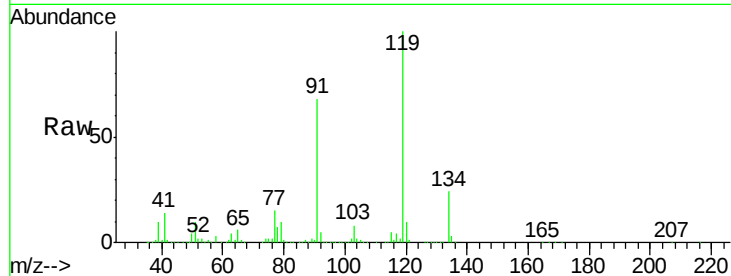
#83
 tert-Butylbenzene
 Concen: 52.669 ug/l
 RT: 12.97 min Scan# 3493
 Delta R.T. 0.00 min
 Lab File: VN063182.D
 Acq: 2 Sep 2020 9:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:119 Resp: 1029131
 Ion Ratio Lower Upper
 119 100
 91 67.5 33.7 101.0
 134 25.5 12.0 36.0

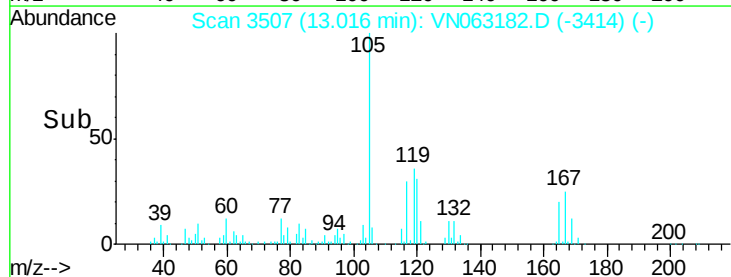
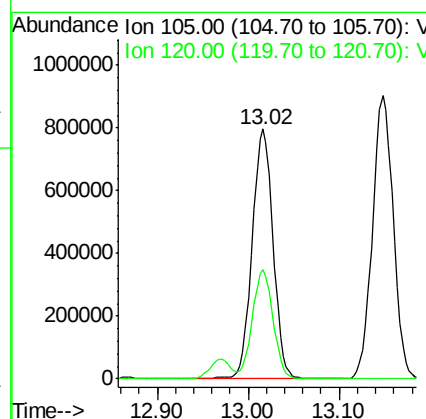
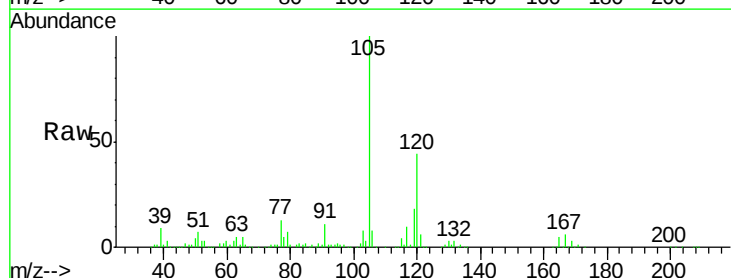
Manual Integrations
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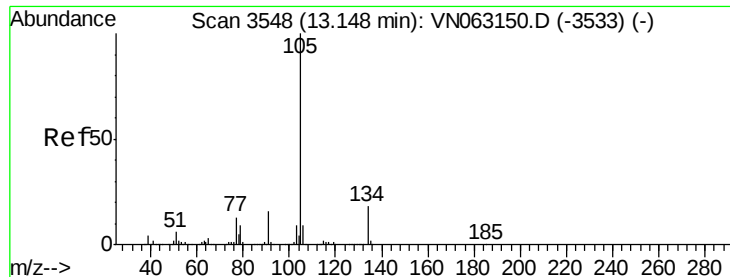
MMDadoda
 9/3/2020 9:28:40 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 55.329 ug/l
 RT: 13.02 min Scan# 3507
 Delta R.T. 0.00 min
 Lab File: VN063182.D
 Acq: 2 Sep 2020 9:27

Tgt Ion:105 Resp: 1270636
 Ion Ratio Lower Upper
 105 100
 120 43.3 22.6 67.7





#85

sec-Butylbenzene

Concen: 56.065 ug/l

RT: 13.15 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN063182.D

Acq: 2 Sep 2020 9:27

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:105 Resp: 1427745

Ion Ratio Lower Upper

105 100

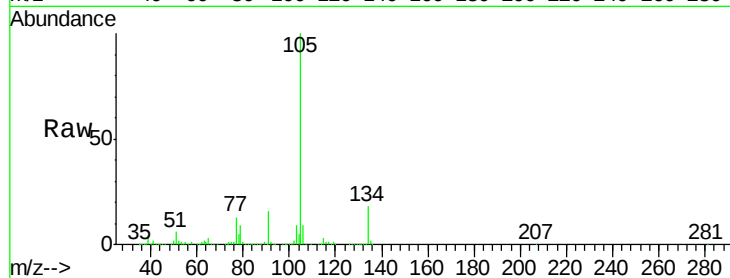
134 18.7 9.4 28.3

Manual Integrations

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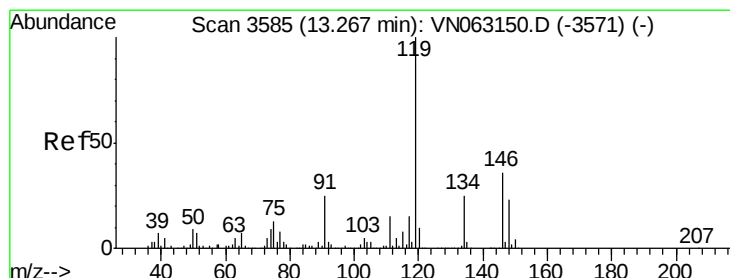
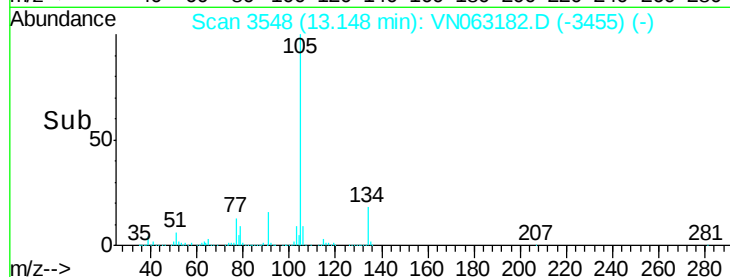
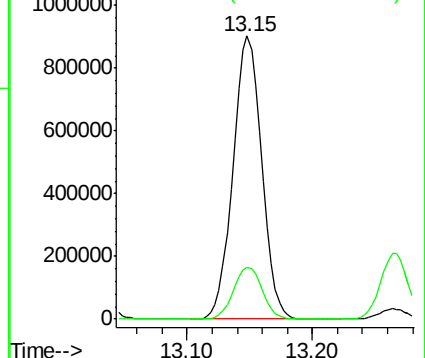
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 56.201 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. -0.00 min

Lab File: VN063182.D

Acq: 2 Sep 2020 9:27

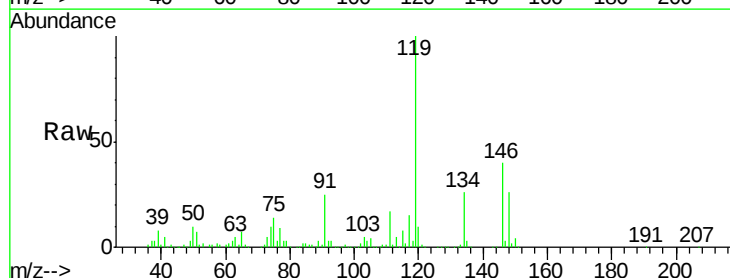
Tgt Ion:119 Resp: 1270652

Ion Ratio Lower Upper

119 100

134 25.2 12.4 37.4

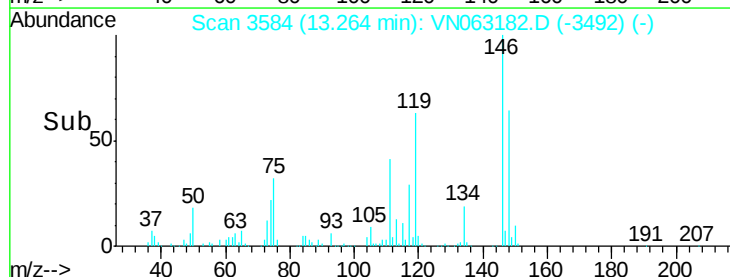
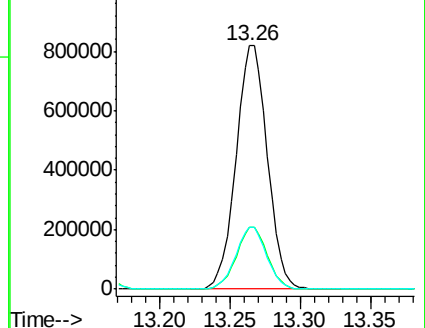
91 25.1 12.2 36.6

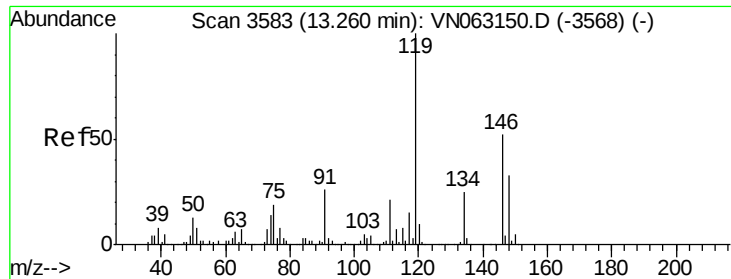


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





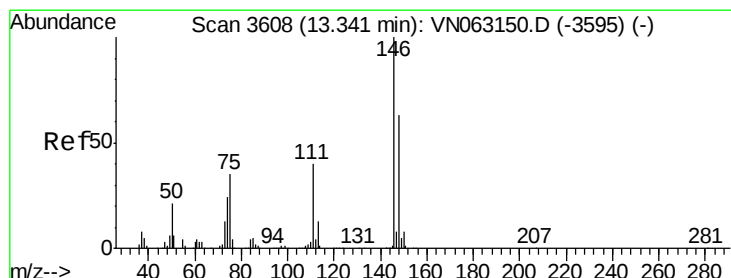
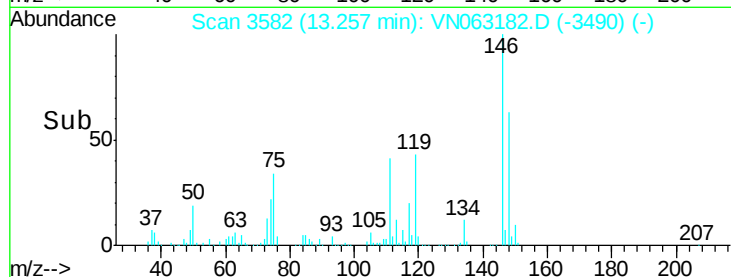
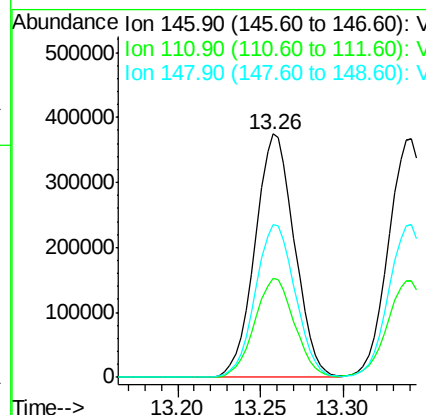
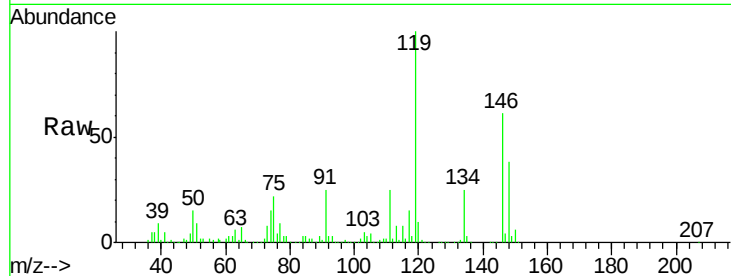
#87
 1,3-Dichlorobenzene
 Concen: 54.386 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN063182.D
 Acq: 2 Sep 2020 9:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	618485		
111	41.1	21.3	63.7	
148	63.3	31.9	95.9	

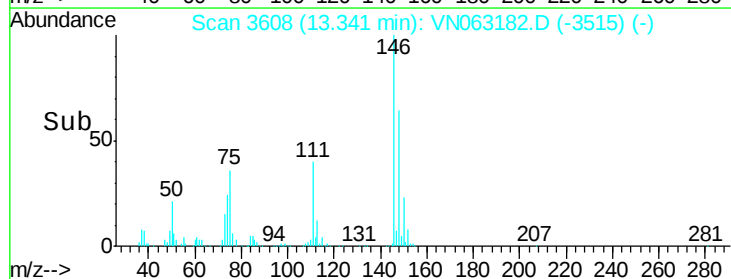
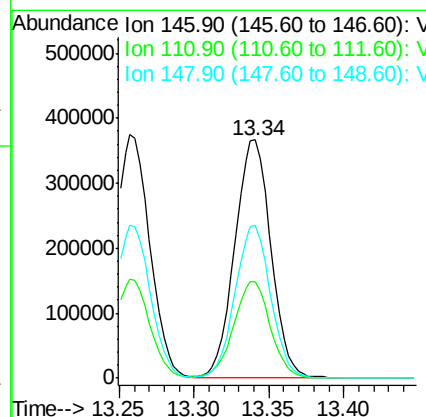
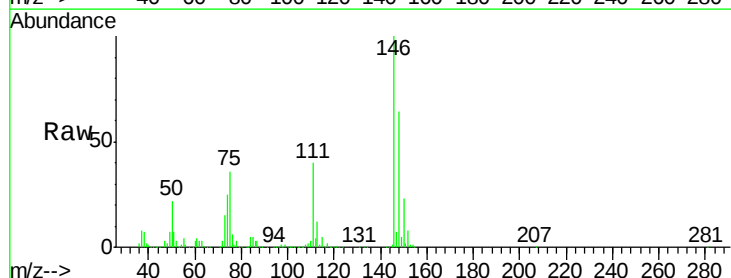
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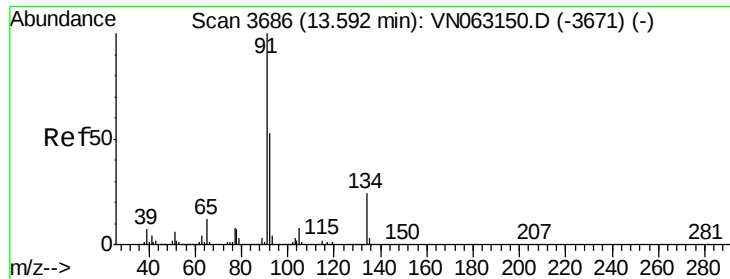
MMDadoda
 9/3/2020 9:28:40 AM



#88
 1,4-Dichlorobenzene
 Concen: 52.103 ug/l
 RT: 13.34 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VN063182.D
 Acq: 2 Sep 2020 9:27

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	613529		
111	41.0	20.5	61.5	
148	63.8	31.9	95.7	





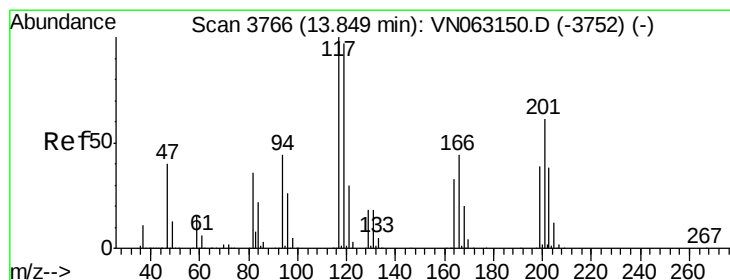
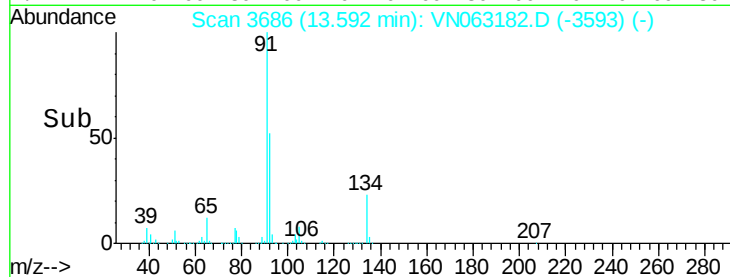
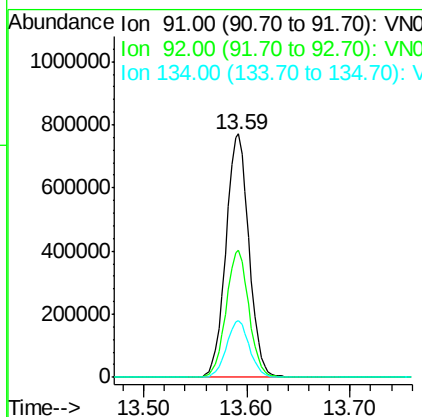
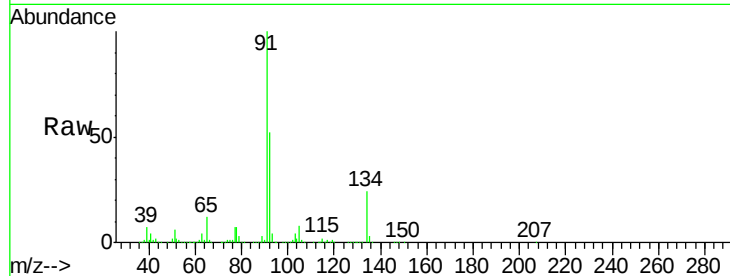
#89
n-Butylbenzene
Concen: 57.361 ug/l
RT: 13.59 min Scan# 3686
Delta R.T. 0.00 min
Lab File: VN063182.D
Acq: 2 Sep 2020 9:27

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
92	51.8	26.3	78.8	
134	23.2	12.0	36.0	

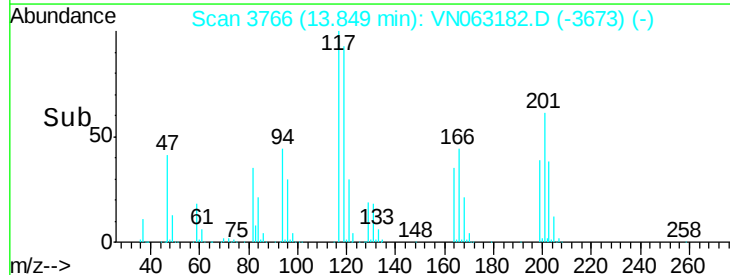
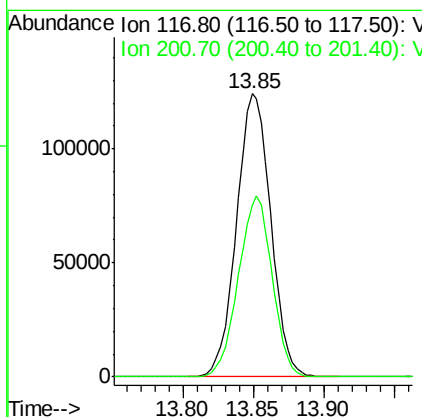
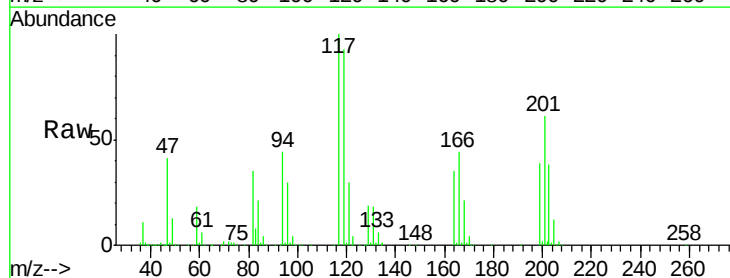
Manual Integrations
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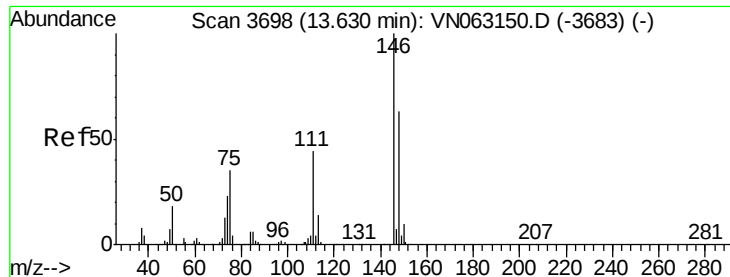
MMDadoda
9/3/2020 9:28:40 AM



#90
Hexachloroethane
Concen: 50.460 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN063182.D
Acq: 2 Sep 2020 9:27

Tgt Ion	Ion	Ratio	Lower	Upper
117	100			
201	62.9	30.6	92.0	





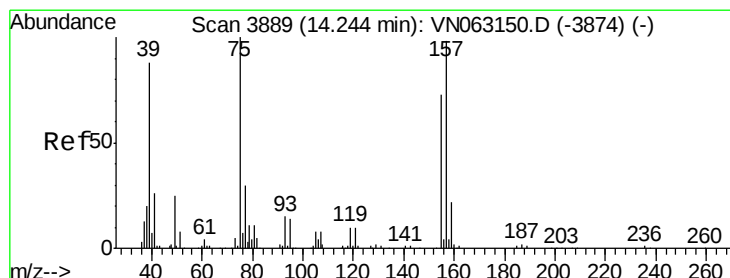
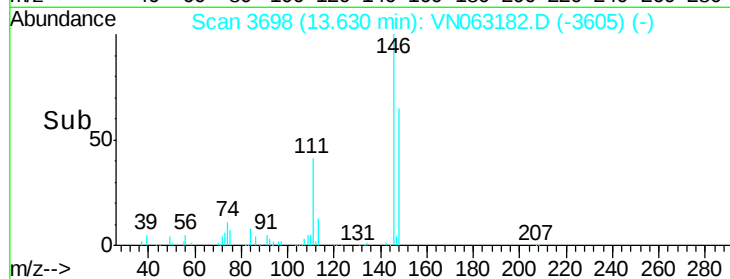
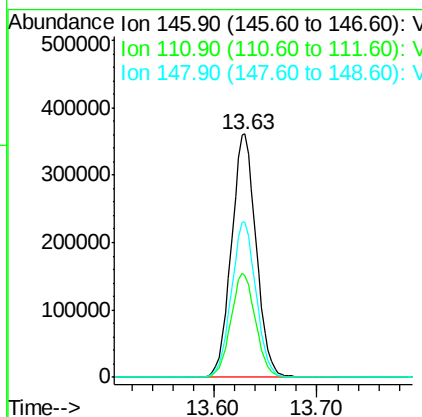
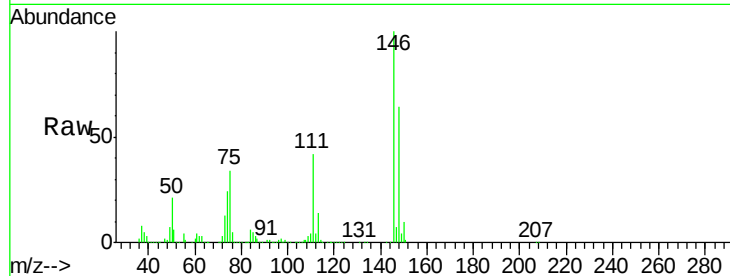
#91
 1,2-Dichlorobenzene
 Concen: 54.741 ug/l
 RT: 13.63 min Scan# 3698
 Delta R.T. 0.00 min
 Lab File: VN063182.D
 Acq: 2 Sep 2020 9:27

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.6	22.0	66.0
148	63.5	31.6	95.0

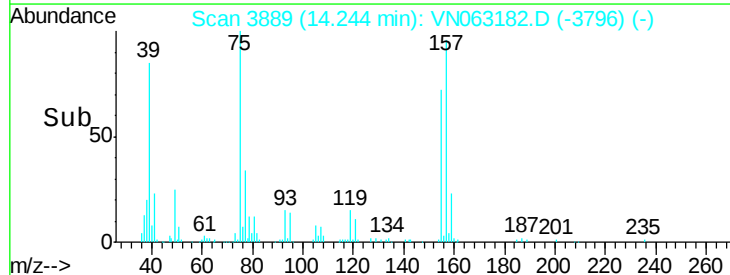
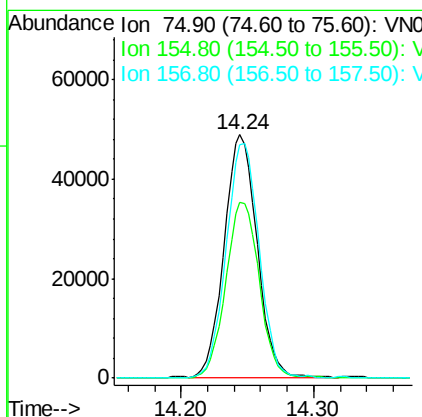
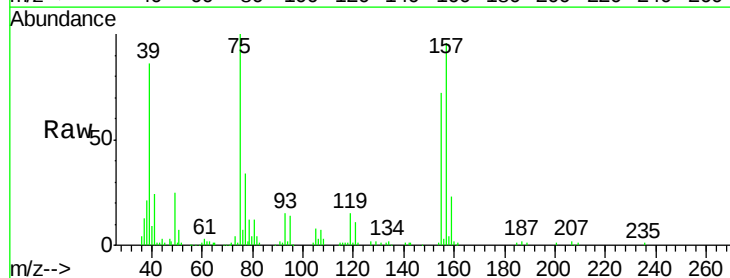
Manual Integrations
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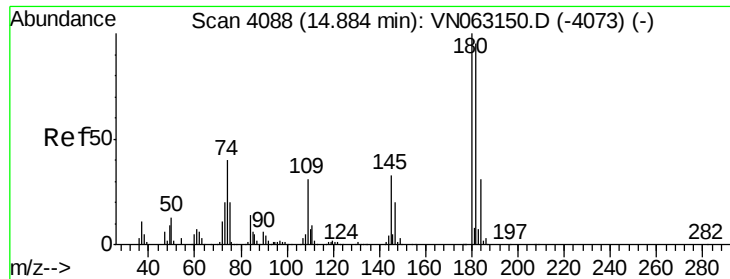
MMDadoda
 9/3/2020 9:28:40 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.306 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN063182.D
 Acq: 2 Sep 2020 9:27

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.8	36.1	108.5
157	97.4	48.4	145.0





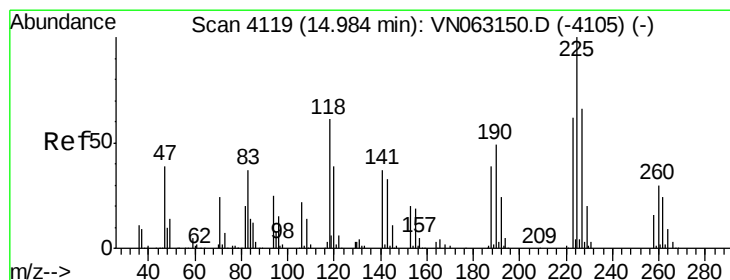
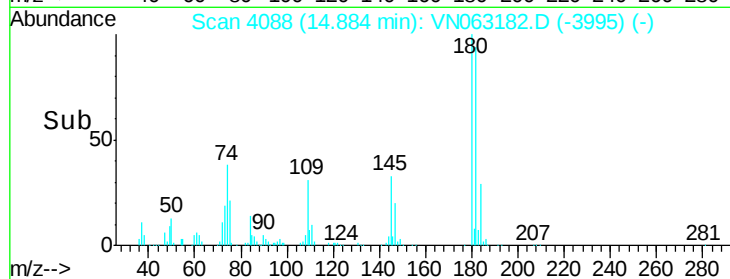
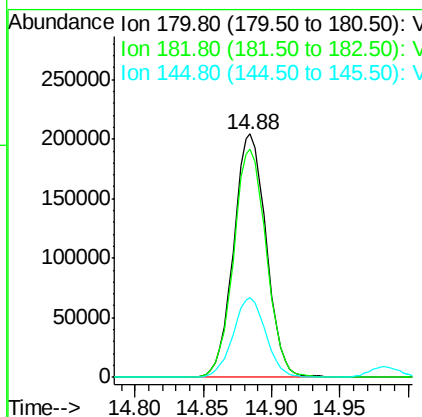
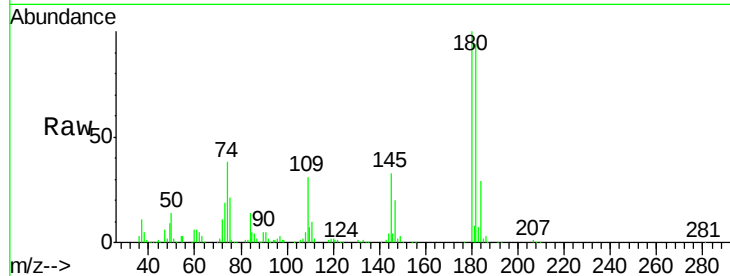
#93
 1,2,4-Trichlorobenzene
 Concen: 54.912 ug/l
 RT: 14.88 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN063182.D
 Acq: 2 Sep 2020 9:27

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.2	47.5	142.5	
145	32.8	16.6	49.8	

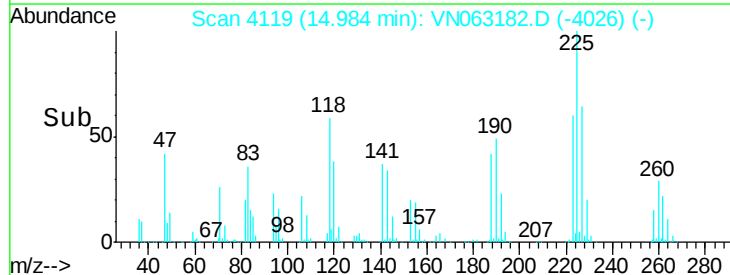
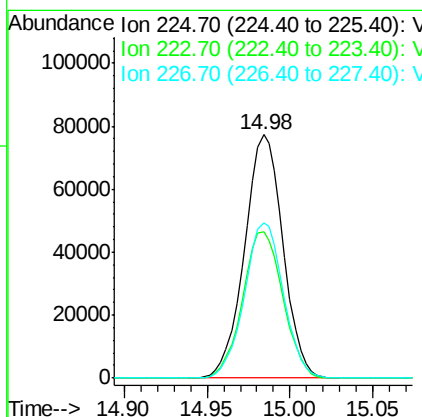
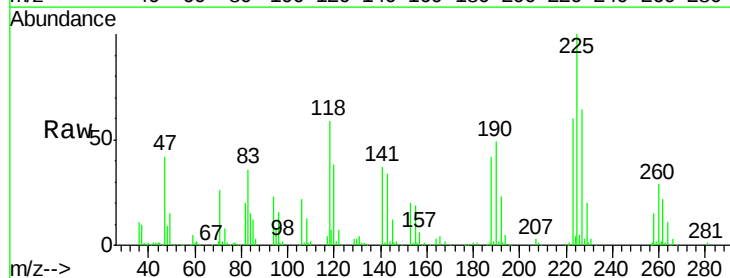
Manual Integrations
 APPROVED

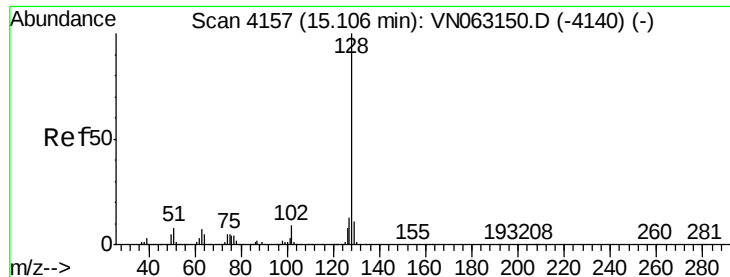
MMDadoda
 9/3/2020 9:28:40 AM



#94
 Hexachlorobutadiene
 Concen: 53.906 ug/l
 RT: 14.98 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN063182.D
 Acq: 2 Sep 2020 9:27

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.0	30.9	92.7	
227	64.8	32.9	98.7	





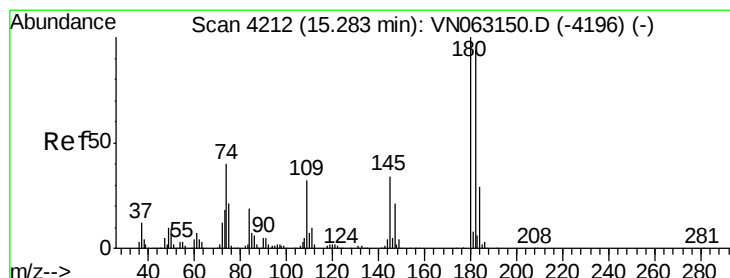
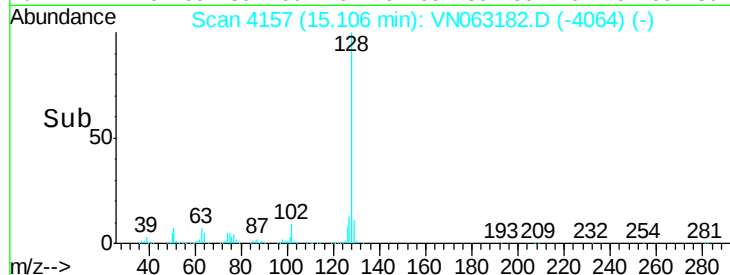
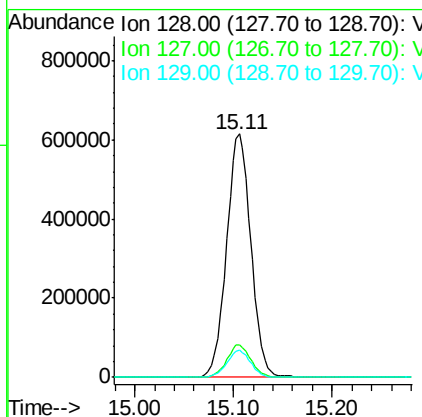
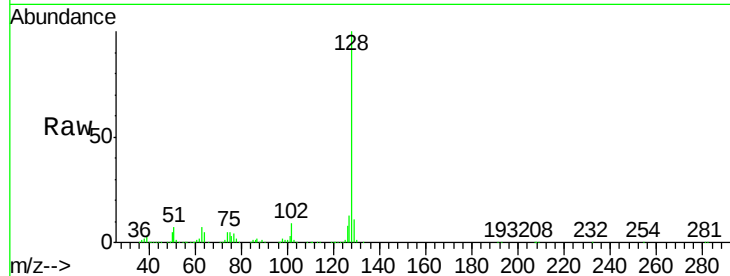
#95
Naphthalene
Concen: 51.696 ug/l
RT: 15.11 min Scan# 4157
Delta R.T. 0.00 min
Lab File: VN063182.D
Acq: 2 Sep 2020 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.5	15.7
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
9/3/2020 9:28:40 AM



#96
1,2,3-Trichlorobenzene
Concen: 53.384 ug/l
RT: 15.29 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN063182.D
Acq: 2 Sep 2020 9:27

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.5	142.5
145	34.1	17.3	52.0

