

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090320\
 Data File : VN063212.D
 Acq On : 3 Sep 2020 12:00
 Operator : JC/MD
 Sample : VN0903WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0903WBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/4/2020 11:14:32 AM

Quant Time: Sep 04 04:23:46 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	365854	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	671985	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	616060	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	280404	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	290087	48.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.00%	
35) Dibromofluoromethane	7.55	113	211638	49.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.18%	
50) Toluene-d8	10.06	98	800355	48.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.46%	
62) 4-Bromofluorobenzene	12.38	95	279620	48.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	64342	17.858	ug/l	100
3) Chloromethane	2.04	50	88117	16.795	ug/l	99
4) Vinyl Chloride	2.17	62	104091	17.961	ug/l	97
5) Bromomethane	2.54	94	96974	19.878	ug/l	98
6) Chloroethane	2.68	64	88224	19.146	ug/l	99
7) Trichlorofluoromethane	2.98	101	160421	17.559	ug/l	96
8) Diethyl Ether	3.37	74	50431	18.187	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.72	101	73909	18.762	ug/l	98
10) Methyl Iodide	3.91	142	89527	16.664	ug/l #	94
11) Tert butyl alcohol	4.73	59	72456	98.697	ug/l	99
12) 1,1-Dichloroethene	3.70	96	70486	17.560	ug/l	94
13) Acrolein	3.57	56	18384	77.397	ug/l	92
14) Allyl chloride	4.27	41	131155	18.398	ug/l	97
15) Acrylonitrile	4.93	53	189716	93.775	ug/l	99
16) Acetone	3.77	43	161414	94.942	ug/l	100
17) Carbon Disulfide	4.01	76	201029	16.826	ug/l	100
18) Methyl Acetate	4.28	43	91278	20.939	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	274005	18.401	ug/l	98
20) Methylene Chloride	4.50	84	90663	18.657	ug/l	90
21) trans-1,2-Dichloroethene	4.99	96	81896	18.467	ug/l	94
22) Diisopropyl ether	5.90	45	293562	18.376	ug/l	95
23) Vinyl Acetate	5.84	43	1189828	93.343	ug/l	100
24) 1,1-Dichloroethane	5.80	63	161872	18.380	ug/l	97
25) 2-Butanone	6.78	43	267279	101.531	ug/l	98
26) 2,2-Dichloropropane	6.78	77	139378	17.468	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	97796	18.143	ug/l	98
28) Bromochloromethane	7.15	49	83561	18.161	ug/l	98
29) Tetrahydrofuran	7.16	42	173593	95.368	ug/l	98
30) Chloroform	7.33	83	168165	18.251	ug/l	97
31) Cyclohexane	7.61	56	140430	16.935	ug/l	93
32) 1,1,1-Trichloroethane	7.53	97	145253	18.294	ug/l	98
36) 1,1-Dichloropropene	7.75	75	119629	18.518	ug/l	99
37) Ethyl Acetate	6.88	43	114017	18.929	ug/l #	95
38) Carbon Tetrachloride	7.73	117	124078	18.939	ug/l	94

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MMDadoda
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Quant Time: Sep 04 04:23:46 2020
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 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)
39) Methylcyclohexane	9.05	83	131763	18.156	ug/l	96
40) Benzene	8.00	78	359422	18.933	ug/l	98
41) Methacrylonitrile	7.14	41	54383m	19.983	ug/l	
42) 1,2-Dichloroethane	8.08	62	136424	19.238	ug/l	96
43) Isopropyl Acetate	8.12	43	207541	19.699	ug/l #	90
44) Trichloroethene	8.80	130	93180	20.236	ug/l	100
45) 1,2-Dichloropropane	9.08	63	95232	18.947	ug/l	97
46) Dibromomethane	9.18	93	65808	19.757	ug/l	98
47) Bromodichloromethane	9.37	83	137669	19.282	ug/l	97
48) Methyl methacrylate	9.16	41	93502	19.687	ug/l	96
49) 1,4-Dioxane	9.17	88	30399	413.819	ug/l	95
51) 4-Methyl-2-Pentanone	9.95	43	596387	104.171	ug/l	100
52) Toluene	10.12	92	225810	19.095	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	142115	18.197	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	154688	18.869	ug/l	97
55) 1,1,2-Trichloroethane	10.53	97	91232	20.144	ug/l	96
56) Ethyl methacrylate	10.40	69	130469	18.930	ug/l	99
57) 1,3-Dichloropropane	10.68	76	154693	19.173	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	325446	91.184	ug/l	100
59) 2-Hexanone	10.72	43	432304	107.445	ug/l	98
60) Dibromochloromethane	10.87	129	97830	19.538	ug/l	96
61) 1,2-Dibromoethane	10.98	107	91471	19.429	ug/l	95
64) Tetrachloroethene	10.60	164	96335	21.776	ug/l	95
65) Chlorobenzene	11.41	112	236405	19.052	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	86868	18.856	ug/l	97
67) Ethyl Benzene	11.49	91	441187	19.490	ug/l	99
68) m/p-Xylenes	11.59	106	323604	38.599	ug/l	97
69) o-Xylene	11.92	106	155842	19.242	ug/l	98
70) Styrene	11.94	104	262215	18.839	ug/l	100
71) Bromoform	12.10	173	57763	18.476	ug/l #	99
73) Isopropylbenzene	12.23	105	420183	19.537	ug/l	99
74) N-amyl acetate	12.05	43	166555	18.696	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	121101	19.531	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	113117m	20.532	ug/l	
77) Bromobenzene	12.50	156	95761	19.688	ug/l	96
78) n-propylbenzene	12.57	91	488540	19.631	ug/l	99
79) 2-Chlorotoluene	12.65	91	282157	18.929	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	352867	19.712	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.28	75	40946	17.963	ug/l	98
82) 4-Chlorotoluene	12.75	91	297994	19.276	ug/l	100
83) tert-Butylbenzene	12.97	119	283499	18.466	ug/l	97
84) 1,2,4-Trimethylbenzene	13.02	105	355430	19.698	ug/l	98
85) sec-Butylbenzene	13.15	105	394691	19.726	ug/l	99
86) p-Isopropyltoluene	13.26	119	349280	19.662	ug/l	98
87) 1,3-Dichlorobenzene	13.26	146	174548	19.535	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	176333	19.059	ug/l	99
89) n-Butylbenzene	13.59	91	322159	19.630	ug/l	99
90) Hexachloroethane	13.85	117	55681	16.932	ug/l	97
91) 1,2-Dichlorobenzene	13.63	146	174363	20.109	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	25092	18.407	ug/l	96

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ClientSampleId :
VN0903WBSD01

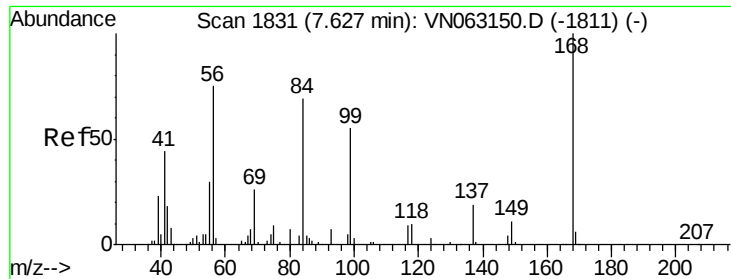
Manual Integrations
APPROVED

MMDadoda
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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)
93) 1,2,4-Trichlorobenzene	14.88	180	92963	19.190	ug/l	100
94) Hexachlorobutadiene	14.98	225	35261	19.484	ug/l	95
95) Naphthalene	15.10	128	295171	18.263	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	92559	19.611	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN063212.D

Acq: 3 Sep 2020 12:00

Instrument :

MSVOA_N

ClientSampled :

VN0903WBSD01

Tot Ion:168 Resp: 365854

Ion Ratio Lower Upper

168 100

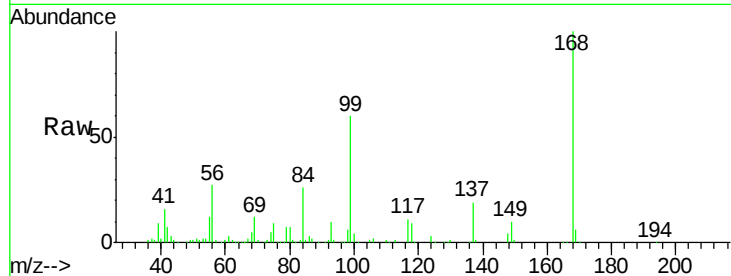
99 59.2 54.2 81.2

Manual Integrations

APPROVED

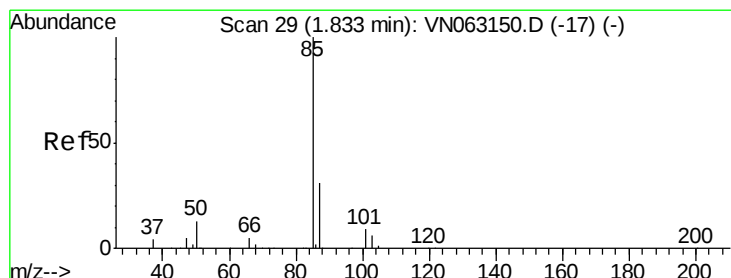
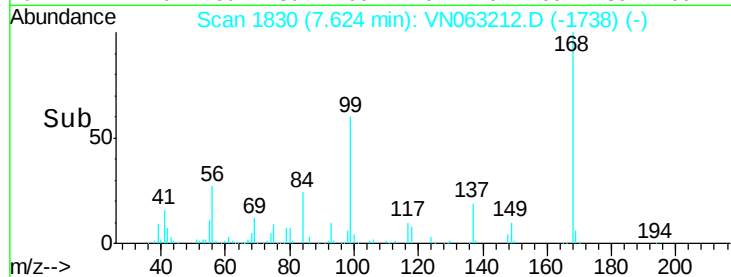
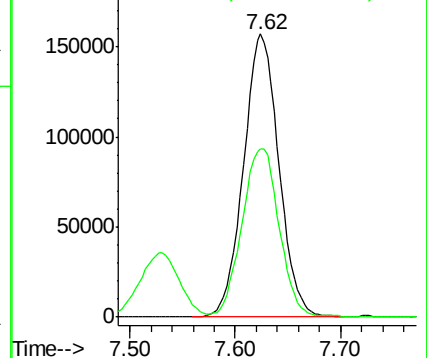
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9/4/2020 11:14:32 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 17.858 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN063212.D

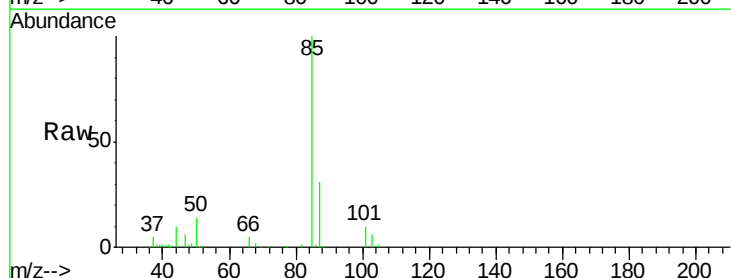
Acq: 3 Sep 2020 12:00

Tgt Ion: 85 Resp: 64342

Ion Ratio Lower Upper

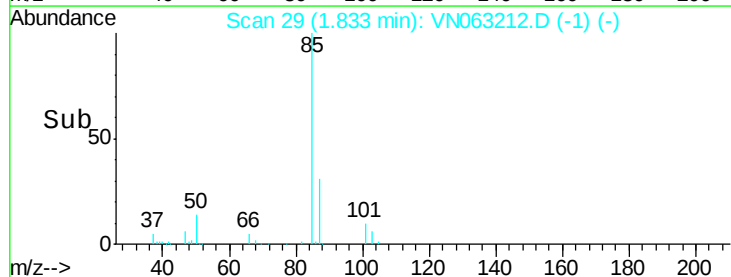
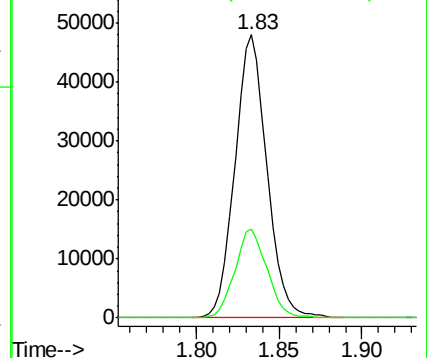
85 100

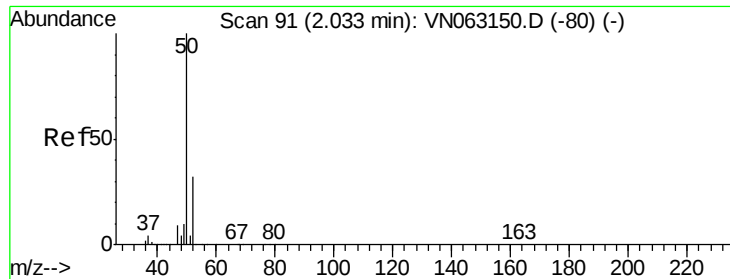
87 31.4 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 16.795 ug/l

RT: 2.04 min Scan# 92

Delta R.T. 0.00 min

Lab File: VN063212.D

Acq: 3 Sep 2020 12:00

Instrument :

MSVOA_N

ClientSampleId :

VN0903WBSD01

Tot Ion: 50 Resp: 88117

Ion Ratio Lower Upper

50 100

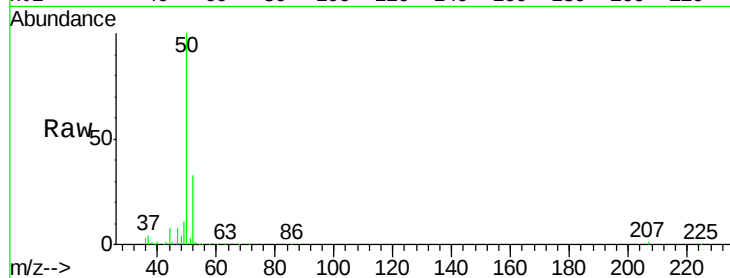
52 32.8 25.8 38.6

Manual Integrations

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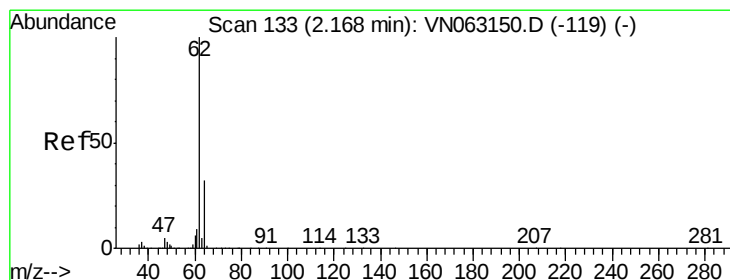
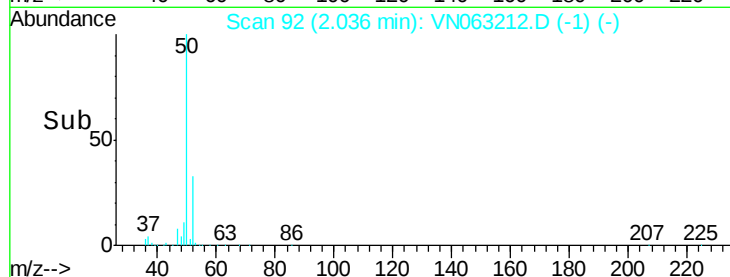
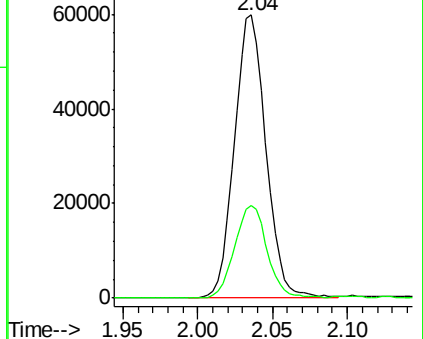
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 17.961 ug/l

RT: 2.17 min Scan# 133

Delta R.T. 0.00 min

Lab File: VN063212.D

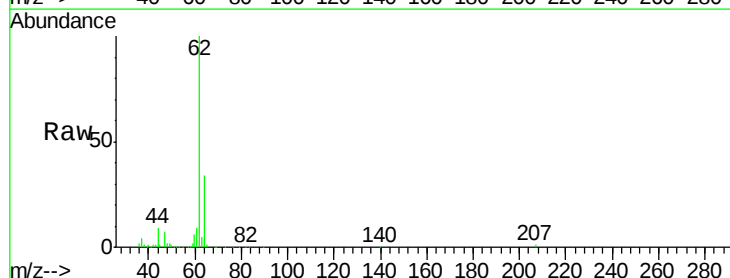
Acq: 3 Sep 2020 12:00

Tgt Ion: 62 Resp: 104091

Ion Ratio Lower Upper

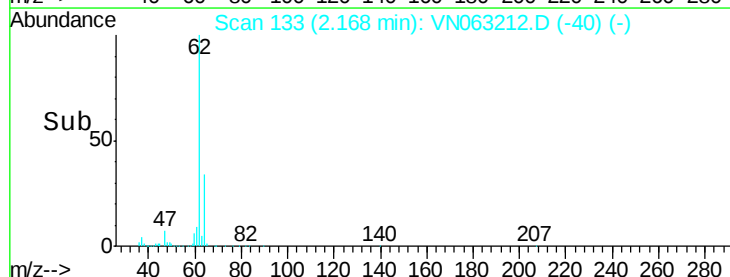
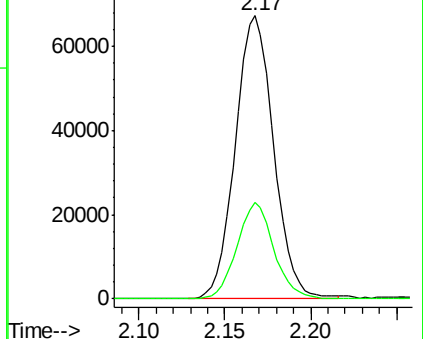
62 100

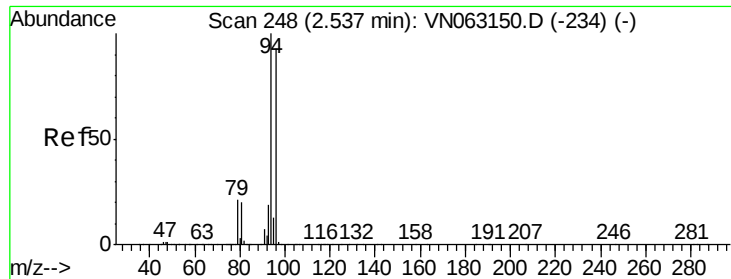
64 34.0 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 19.878 ug/l

RT: 2.54 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN063212.D

Acq: 3 Sep 2020 12:00

Instrument :

MSVOA_N

ClientSampleId :

VN0903WBSD01

Tot Ion: 94 Resp: 96974

Ion Ratio Lower Upper

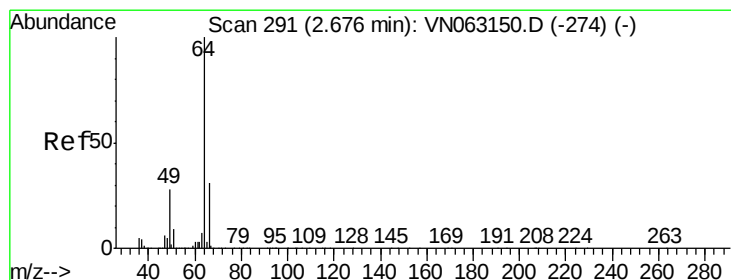
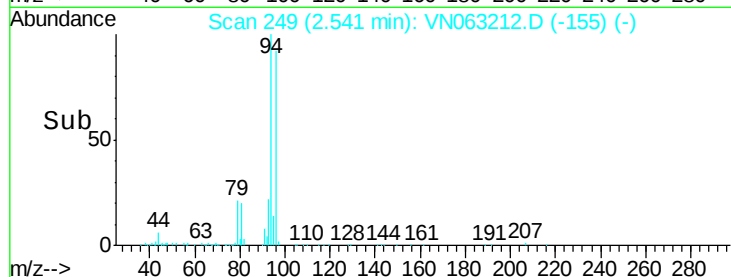
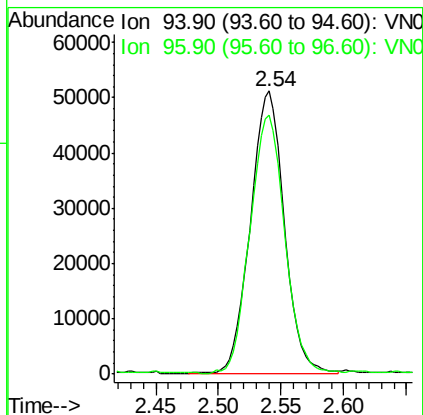
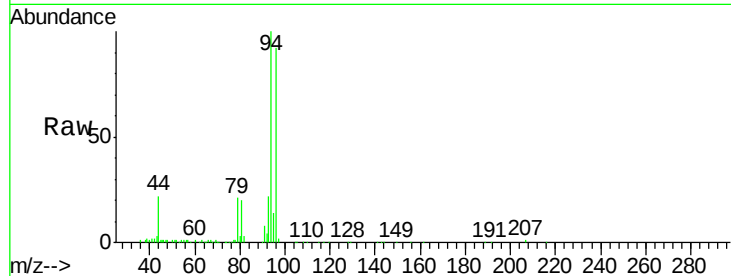
94 100

96 90.7 74.4 111.6

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#6

Chloroethane

Concen: 19.146 ug/l

RT: 2.68 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN063212.D

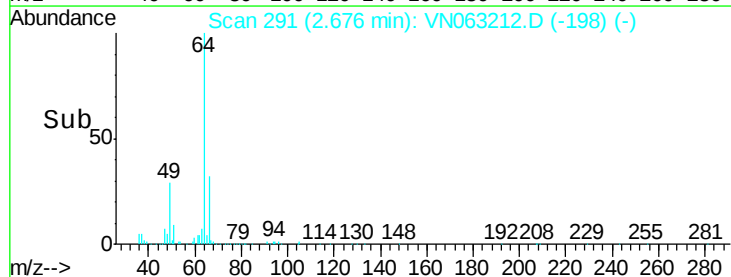
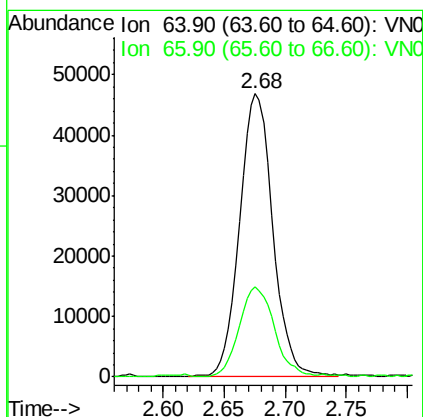
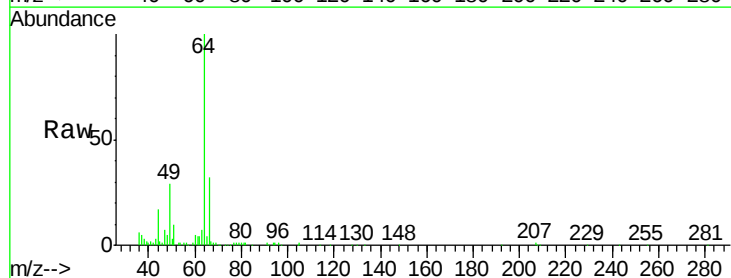
Acq: 3 Sep 2020 12:00

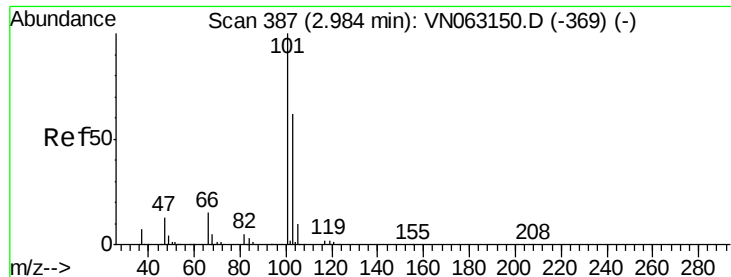
Tgt Ion: 64 Resp: 88224

Ion Ratio Lower Upper

64 100

66 31.4 24.7 37.1





#7

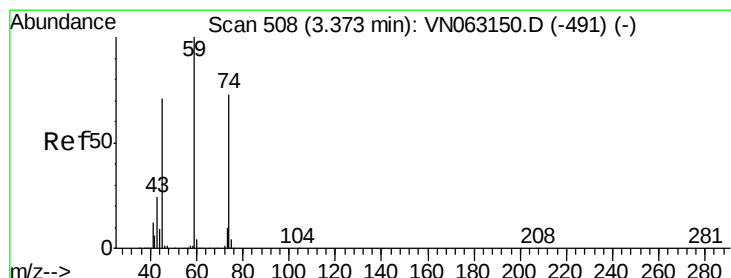
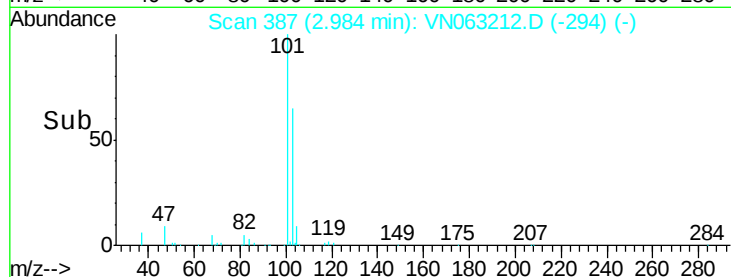
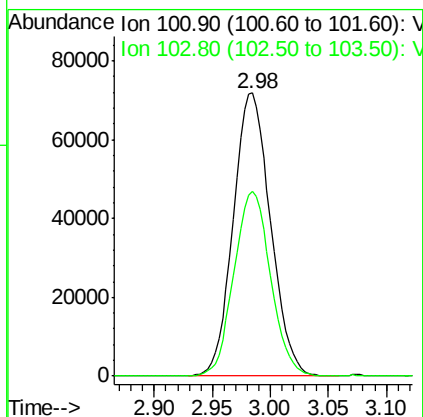
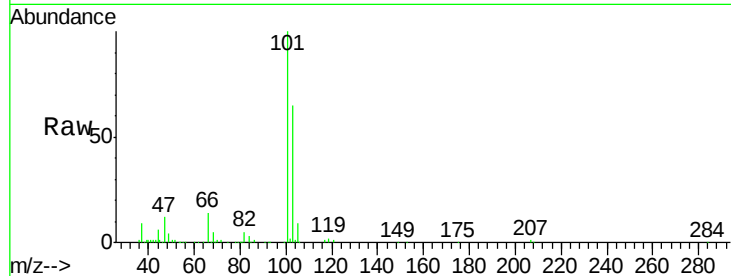
Trichlorofluoromethane
Concen: 17.559 ug/l
RT: 2.98 min Scan# 387
Delta R.T. 0.00 min
Lab File: VN063212.D
Acq: 3 Sep 2020 12:00

Instrument :
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		160421		
103	65.4	49.7	74.5		

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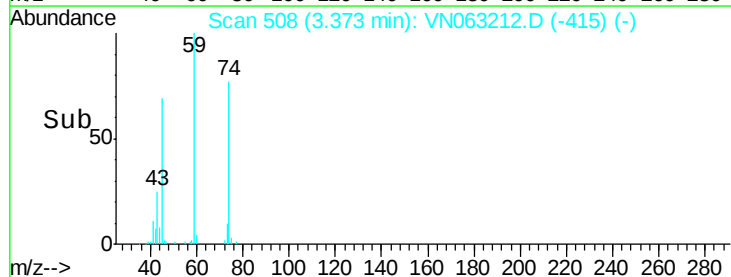
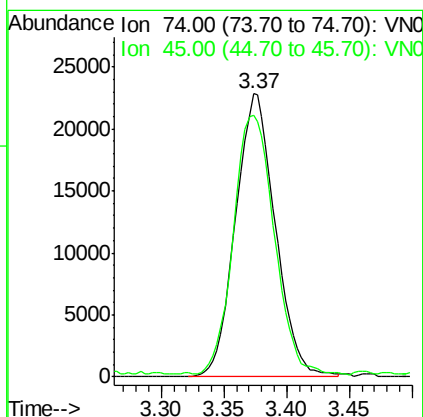
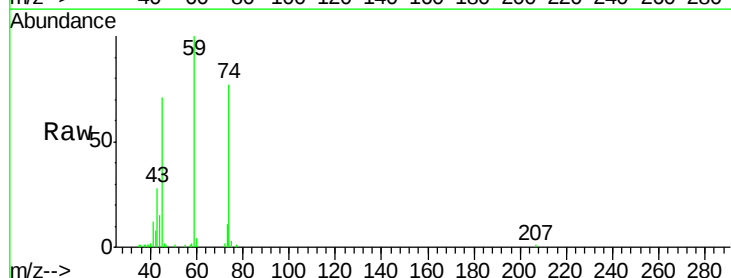
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9/4/2020 11:14:32 AM

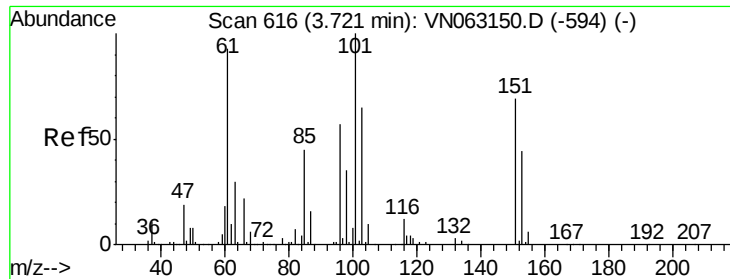


#8

Diethyl Ether
Concen: 18.187 ug/l
RT: 3.37 min Scan# 508
Delta R.T. 0.00 min
Lab File: VN063212.D
Acq: 3 Sep 2020 12:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		50431		
45	94.2	49.5	148.5		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.762 ug/l

RT: 3.72 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN063212.D

Acq: 3 Sep 2020 12:00

Instrument :

MSVOA_N

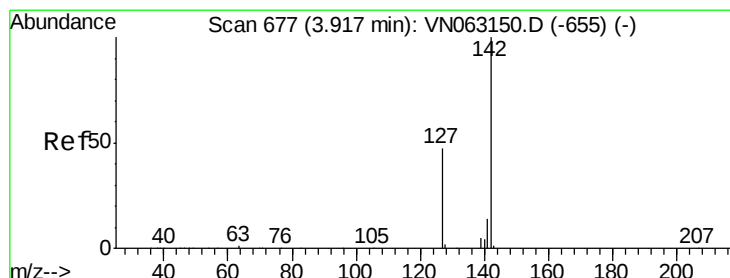
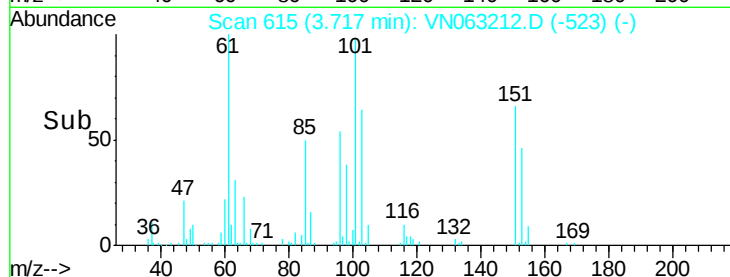
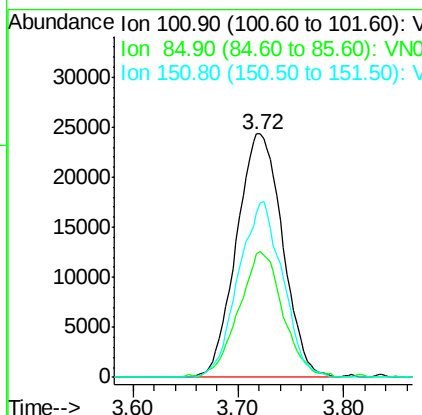
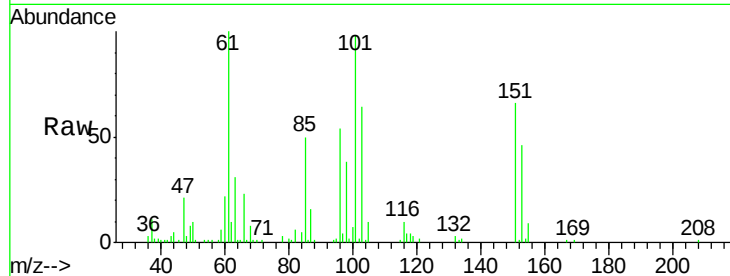
ClientSampleId :

VN0903WBSD01

Tot Ion:	101	Resp:	73909
Ion Ratio	Lower	Upper	
101	100		
85	49.4	37.8	56.8
151	69.4	55.0	82.4

Manual Integrations
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MMDadoda
9/4/2020 11:14:32 AM



#10

Methyl Iodide

Concen: 16.664 ug/l

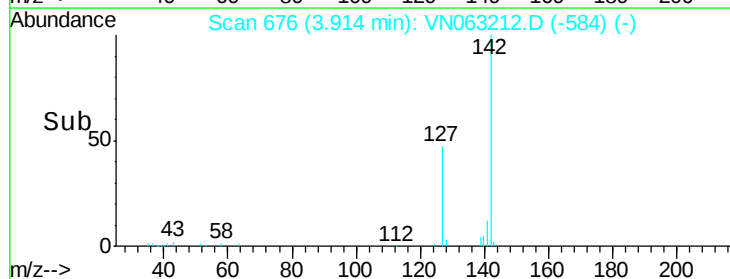
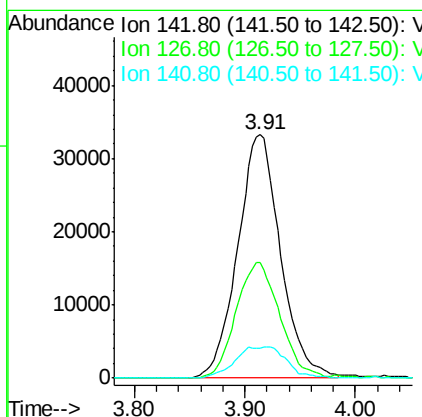
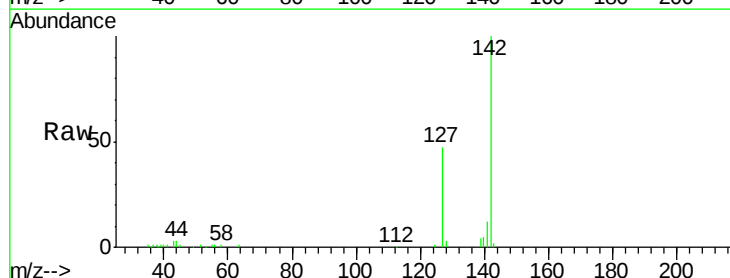
RT: 3.91 min Scan# 676

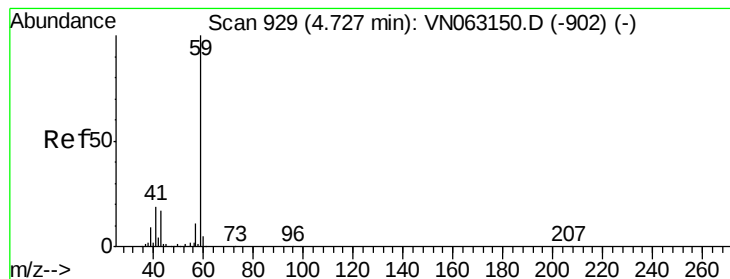
Delta R.T. -0.00 min

Lab File: VN063212.D

Acq: 3 Sep 2020 12:00

Tgt Ion:	142	Resp:	89527
Ion Ratio	Lower	Upper	
142	100		
127	48.3	37.6	56.4
141	7.0	11.3	16.9#





#11

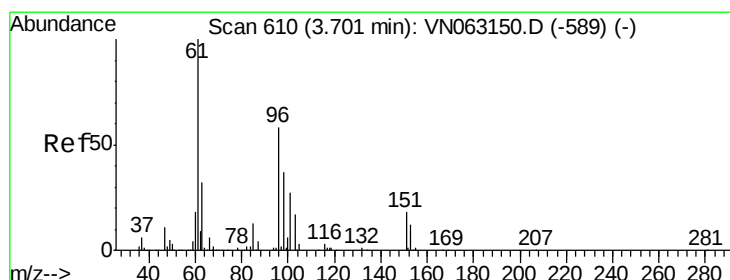
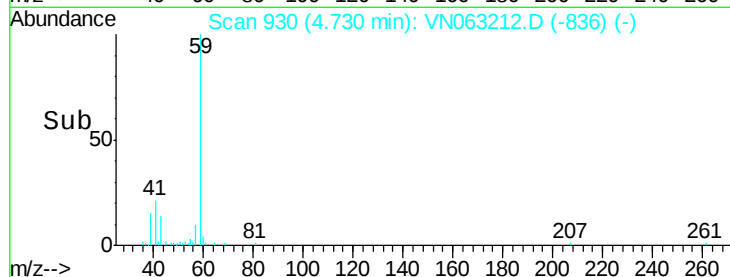
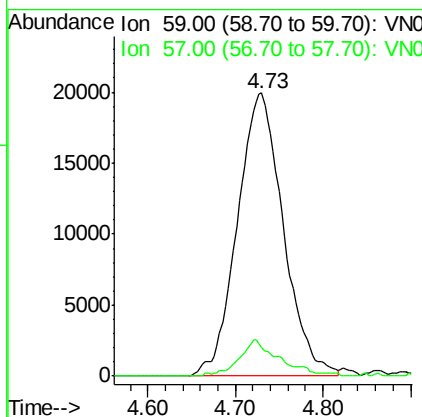
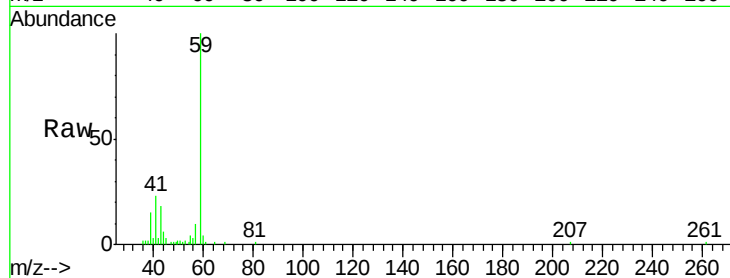
Tert butyl alcohol
 Concen: 98.697 ug/l
 RT: 4.73 min Scan# 930
 Delta R.T. 0.00 min
 Lab File: VN063212.D
 Acq: 3 Sep 2020 12:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0903WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
59	59	100		
57	57	10.2	8.4	12.6

Manual Integrations
 APPROVED

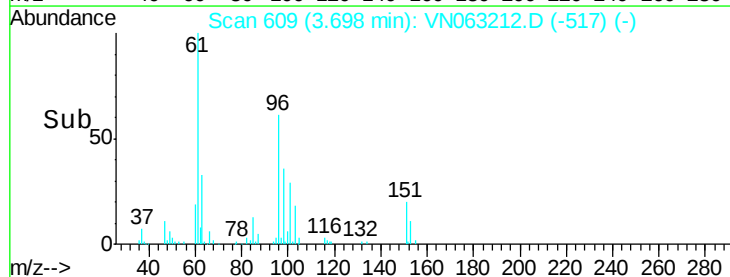
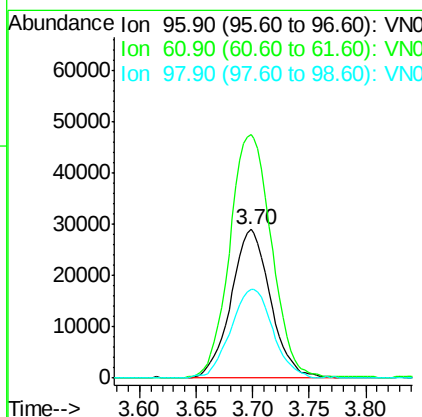
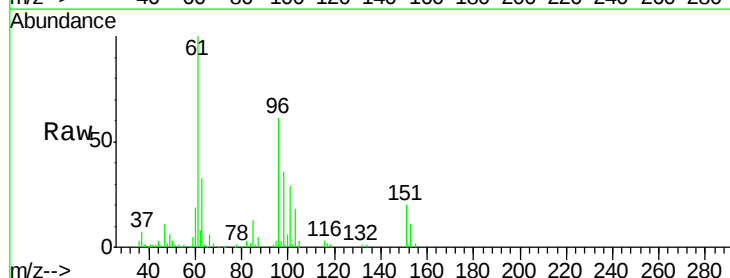
MMDadoda
 9/4/2020 11:14:32 AM

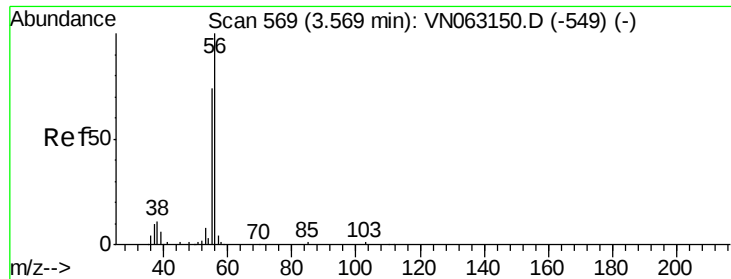


#12

1,1-Dichloroethene
 Concen: 17.560 ug/l
 RT: 3.70 min Scan# 609
 Delta R.T. -0.00 min
 Lab File: VN063212.D
 Acq: 3 Sep 2020 12:00

Tgt Ion	Ion	Ratio	Lower	Upper
96	96	100		
61	61	163.1	137.4	206.2
98	98	59.6	50.5	75.7





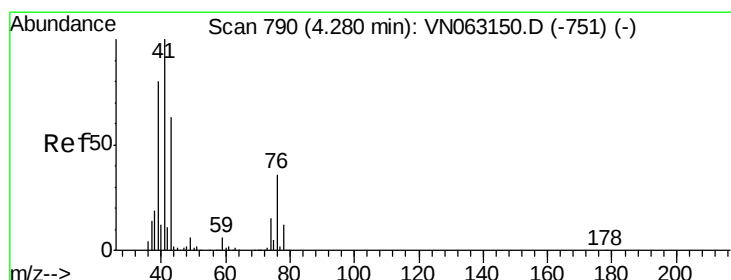
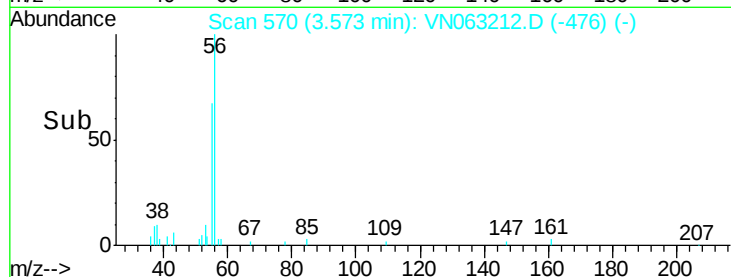
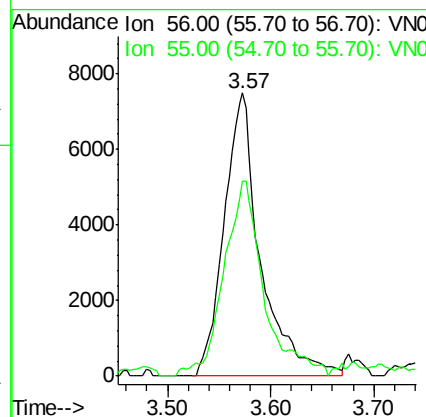
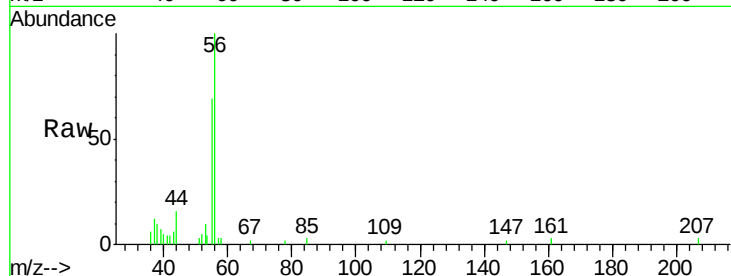
#13
Acrolein
Concen: 77.397 ug/l
RT: 3.57 min Scan# 570
Delta R.T. 0.00 min
Lab File: VN063212.D
Acq: 3 Sep 2020 12:00

Instrument :
MSVOA_N
ClientSampleId :
VN0903WBSD01

Tot Ion	56	Resp	18384
Ion Ratio	100	Lower	Upper
56	100		
55	75.4	55.4	83.0

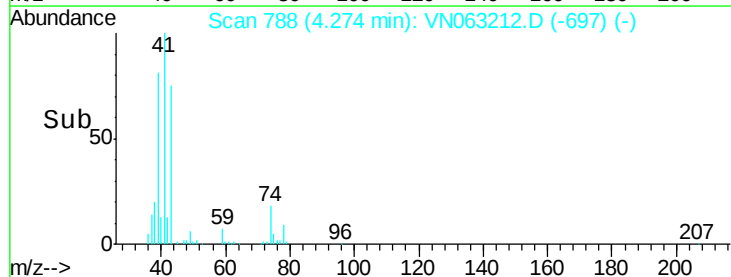
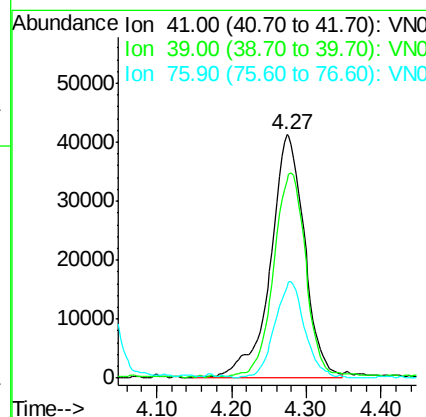
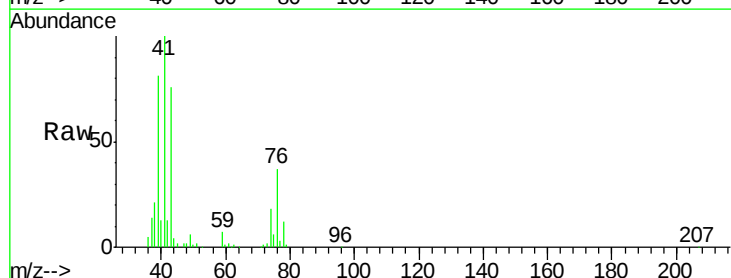
Manual Integrations
APPROVED

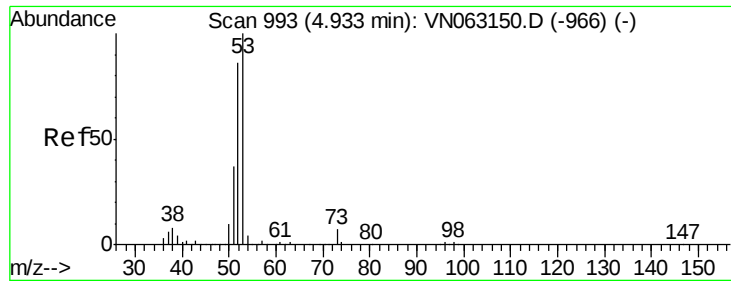
MMDadoda
9/4/2020 11:14:32 AM



#14
Allyl chloride
Concen: 18.398 ug/l
RT: 4.27 min Scan# 788
Delta R.T. -0.01 min
Lab File: VN063212.D
Acq: 3 Sep 2020 12:00

Tgt Ion	41	Resp	131155
Ion Ratio	100	Lower	Upper
41	100		
39	78.8	60.2	90.2
76	34.8	27.7	41.5





#15

Acrylonitrile

Concen: 93.775 ug/l

RT: 4.93 min Scan# 992

Delta R.T. -0.00 min

Lab File: VN063212.D

Acq: 3 Sep 2020 12:00

Instrument :

MSVOA_N

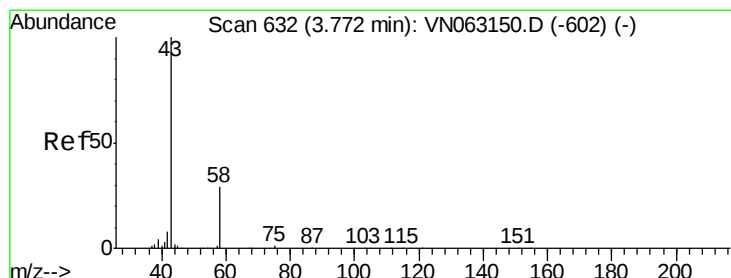
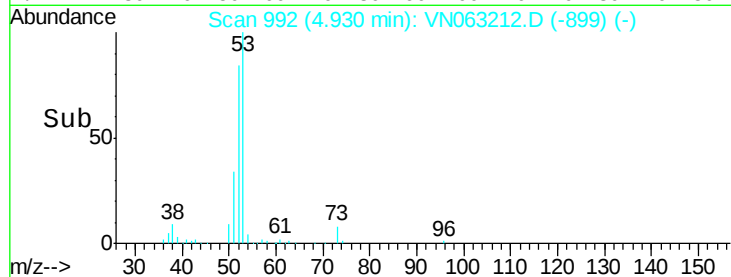
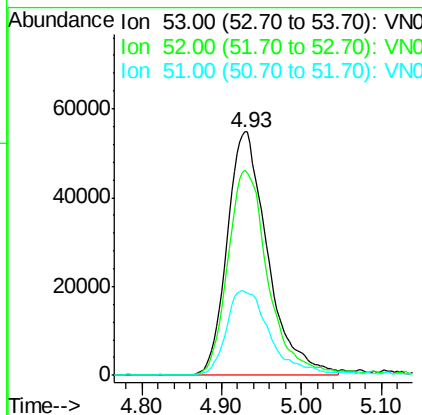
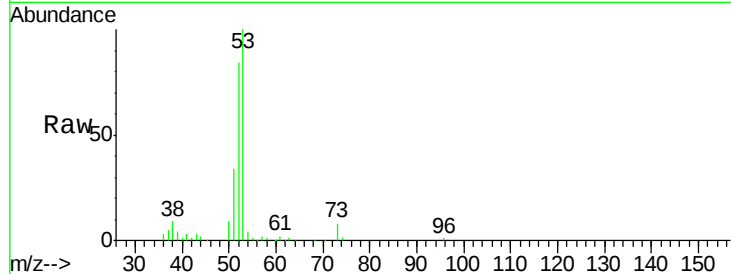
ClientSampleId :

VN0903WBSD01

Tot Ion:	53	Resp:	189716
Ion	Ratio	Lower	Upper
53	100		
52	82.9	67.2	100.8
51	37.4	30.2	45.4

Manual Integrations
APPROVED

MMDadoda
9/4/2020 11:14:32 AM



#16

Acetone

Concen: 94.942 ug/l

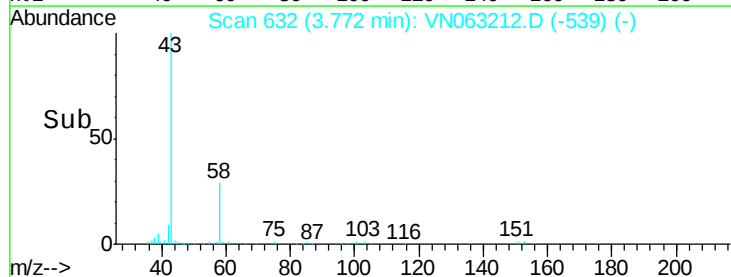
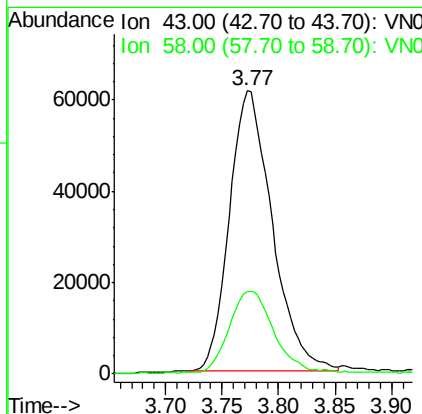
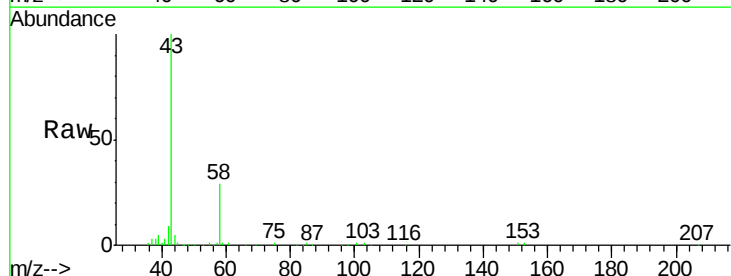
RT: 3.77 min Scan# 632

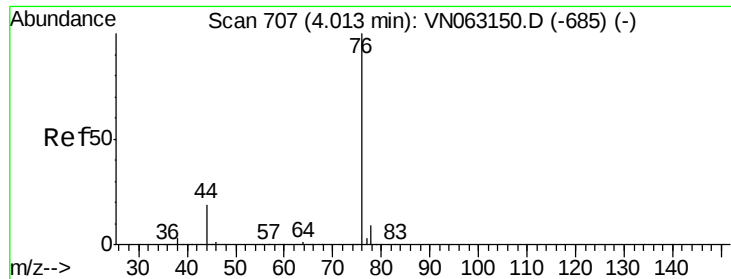
Delta R.T. 0.00 min

Lab File: VN063212.D

Acq: 3 Sep 2020 12:00

Tgt Ion:	43	Resp:	161414
Ion	Ratio	Lower	Upper
43	100		
58	28.7	23.1	34.7





#17

Carbon Disulfide

Concen: 16.826 ug/l

RT: 4.01 min Scan# 707

Delta R.T. 0.00 min

Lab File: VN063212.D

Acq: 3 Sep 2020 12:00

Instrument :

MSVOA_N

ClientSampleId :

VN0903WBSD01

Tot Ion: 76 Resp: 201029

Ion Ratio Lower Upper

76 100

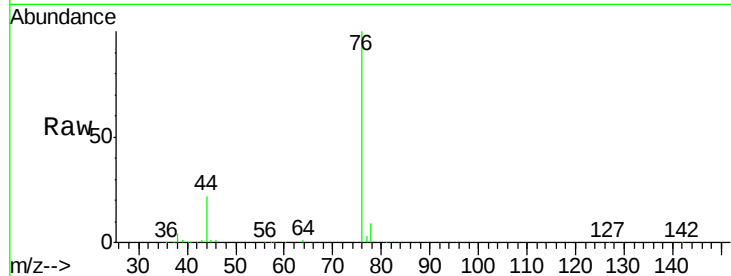
78 9.3 7.5 11.3

Manual Integrations

APPROVED

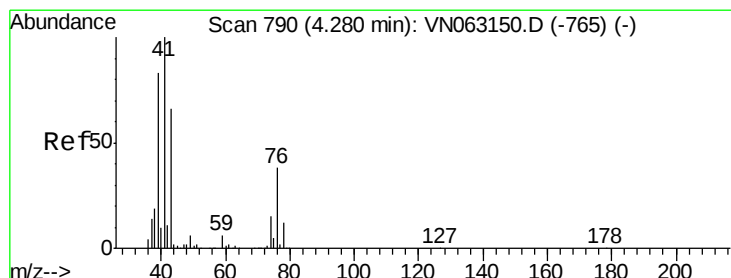
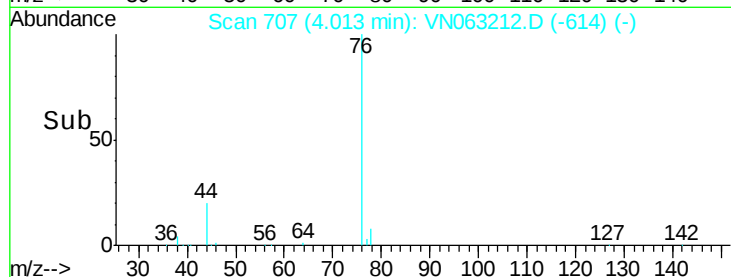
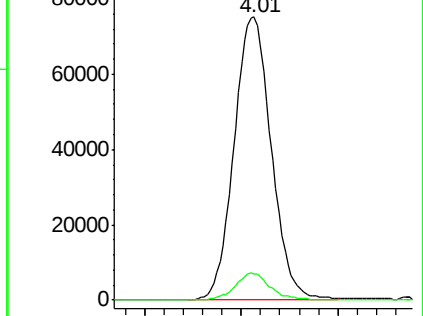
MMDadoda

9/4/2020 11:14:32 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 20.939 ug/l

RT: 4.28 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN063212.D

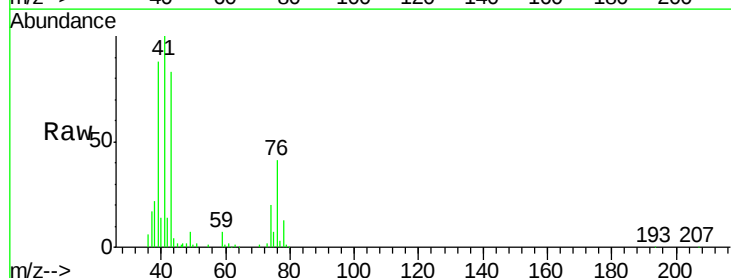
Acq: 3 Sep 2020 12:00

Tgt Ion: 43 Resp: 91278

Ion Ratio Lower Upper

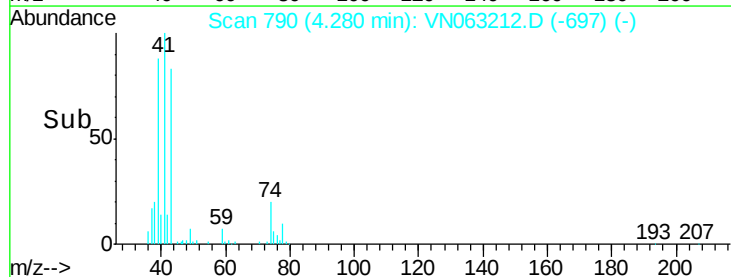
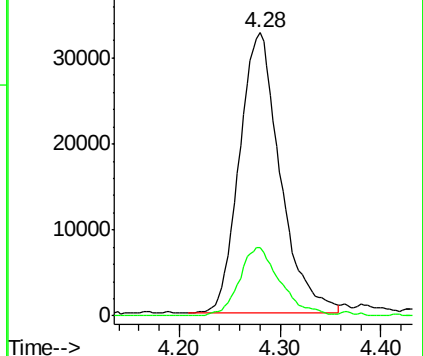
43 100

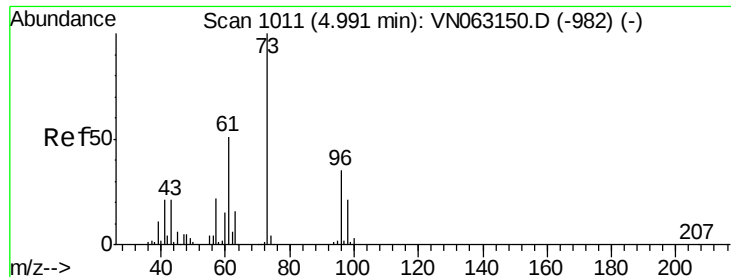
74 24.5 19.0 28.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





#19

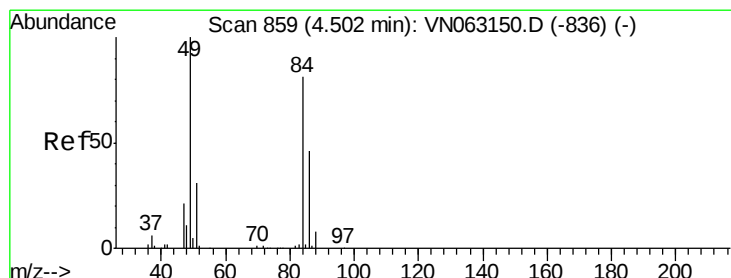
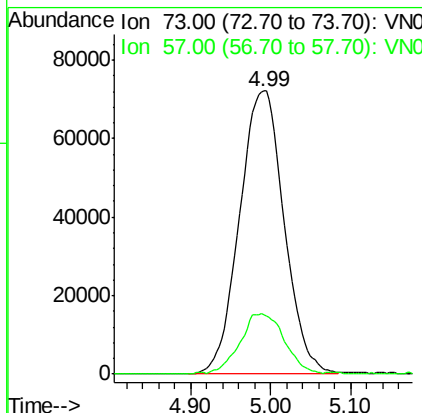
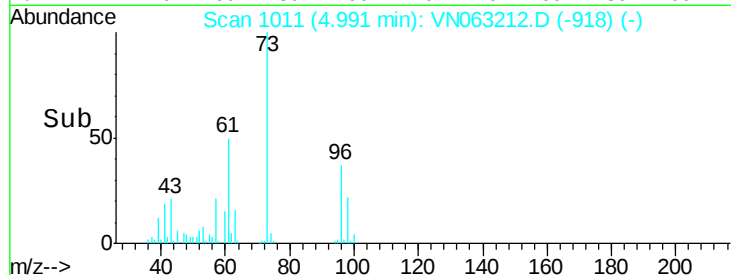
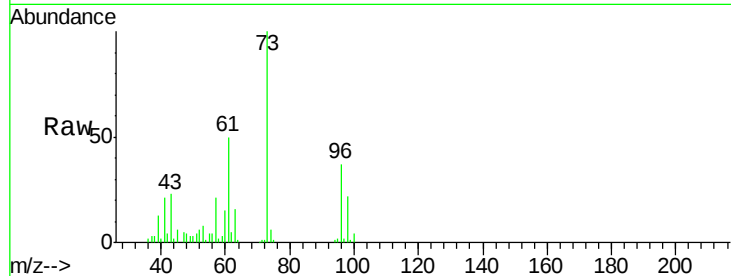
Methyl tert-butyl Ether
 Concen: 18.401 ug/l
 RT: 4.99 min Scan# 1011
 Delta R.T. 0.00 min
 Lab File: VN063212.D
 Acq: 3 Sep 2020 12:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0903WBSD01

Tot Ion	73	Resp	274005
Ion Ratio	Lower	Upper	
73	100		
57	20.9	17.6	26.4

Manual Integrations
 APPROVED

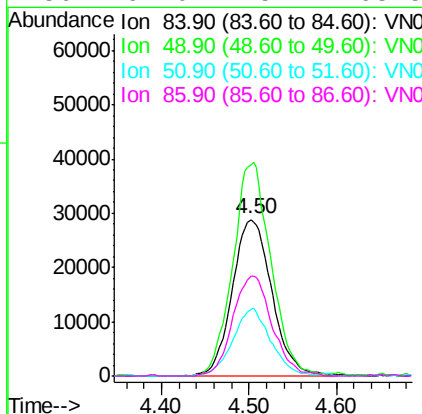
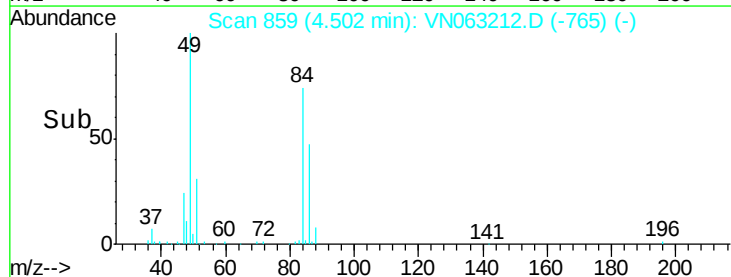
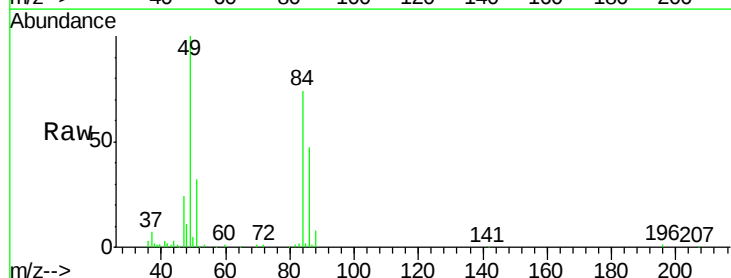
MMDadoda
 9/4/2020 11:14:32 AM

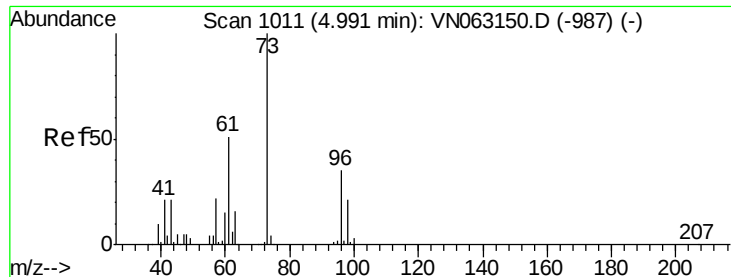


#20

Methylene Chloride
 Concen: 18.657 ug/l
 RT: 4.50 min Scan# 859
 Delta R.T. 0.00 min
 Lab File: VN063212.D
 Acq: 3 Sep 2020 12:00

Tgt Ion	84	Resp	90663
Ion Ratio	Lower	Upper	
84	100		
49	135.1	98.4	147.6
51	42.8	30.4	45.6
86	64.0	45.7	68.5





#21

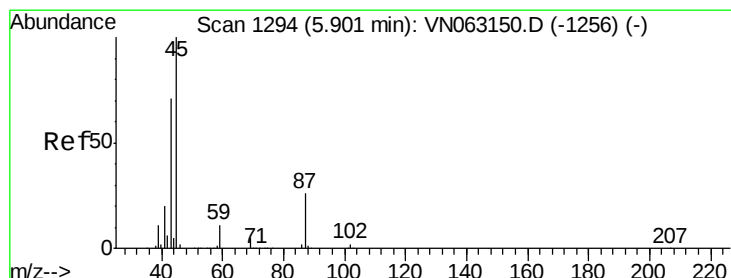
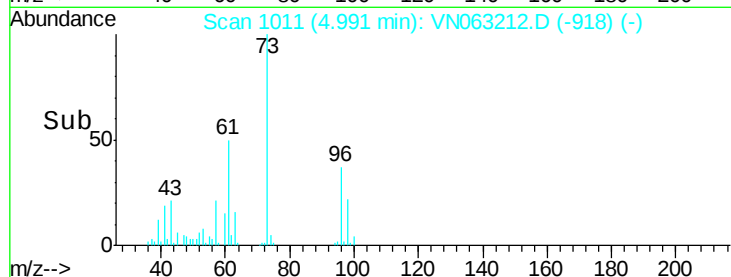
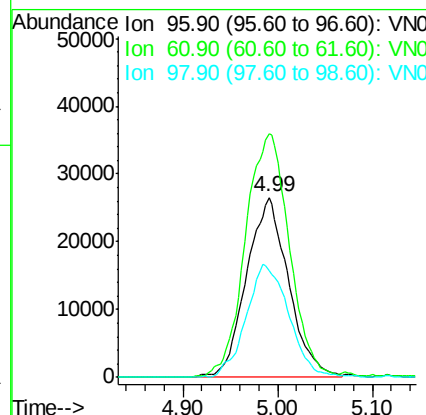
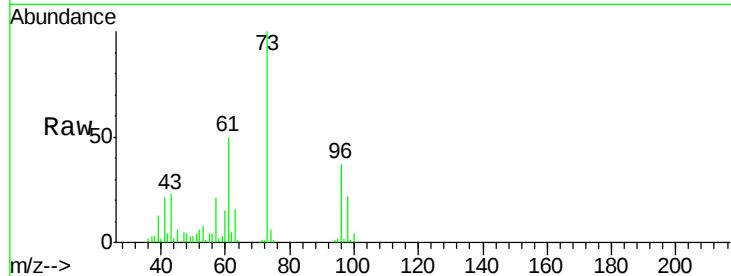
trans-1,2-Dichloroethene
Concen: 18.467 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN063212.D
Acq: 3 Sep 2020 12:00

Instrument :
MSVOA_N
ClientSampleId :
VN0903WBSD01

Tot Ion	96	Resp	81896
Ion Ratio	Lower	Upper	
96	100		
61	135.0	116.2	174.4
98	59.7	48.0	72.0

Manual Integrations
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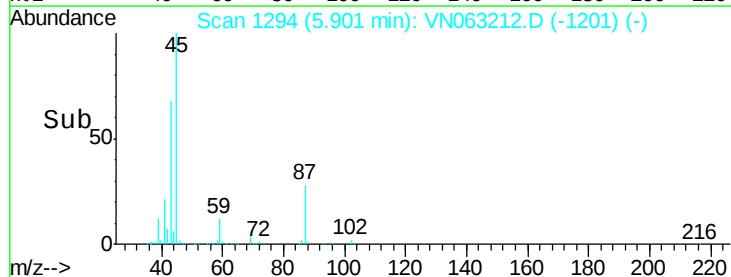
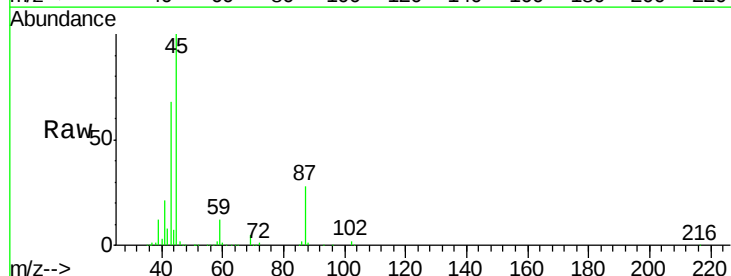
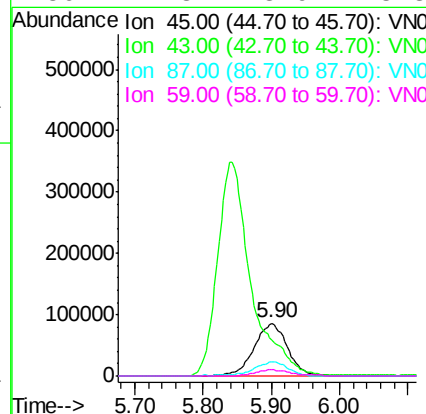
MMDadoda
9/4/2020 11:14:32 AM

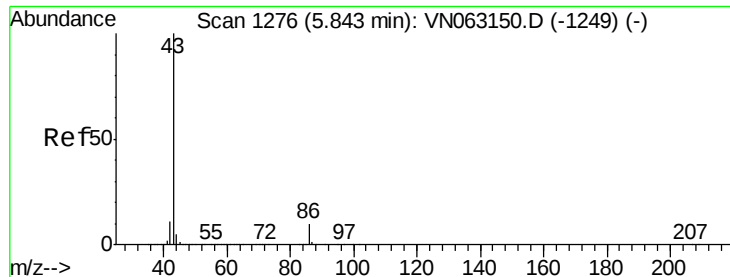


#22

Diisopropyl ether
Concen: 18.376 ug/l
RT: 5.90 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VN063212.D
Acq: 3 Sep 2020 12:00

Tgt Ion	45	Resp	293562
Ion Ratio	Lower	Upper	
45	100		
43	66.1	56.8	85.2
87	27.8	21.1	31.7
59	11.3	8.9	13.3





#23

Vinyl Acetate

Concen: 93.343 ug/l

RT: 5.84 min Scan# 1275

Delta R.T. -0.00 min

Lab File: VN063212.D

Acq: 3 Sep 2020 12:00

Instrument :

MSVOA_N

ClientSampleId :

VN0903WBSD01

Tot Ion: 43 Resp: 1189828

Ion Ratio Lower Upper

43 100

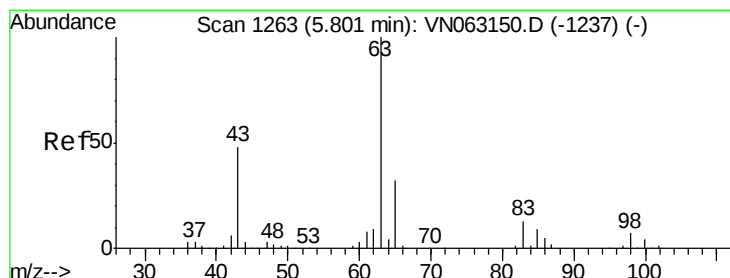
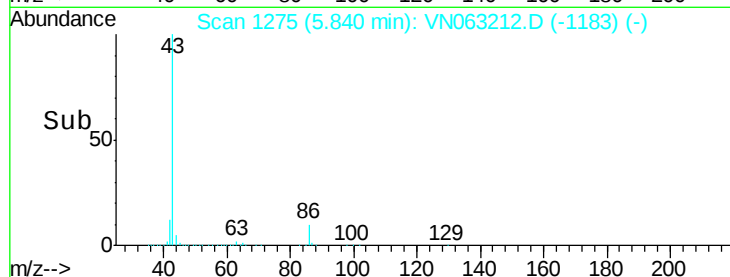
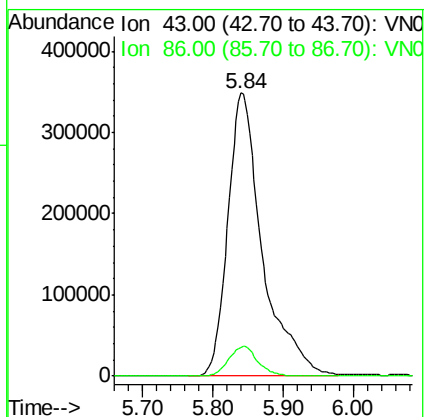
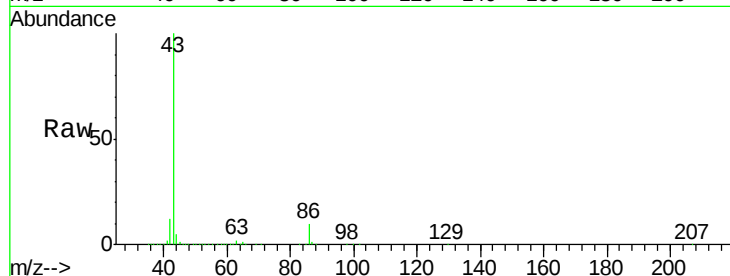
86 10.3 8.3 12.5

Manual Integrations

APPROVED

MMDadoda

9/4/2020 11:14:32 AM



#24

1,1-Dichloroethane

Concen: 18.380 ug/l

RT: 5.80 min Scan# 1262

Delta R.T. -0.00 min

Lab File: VN063212.D

Acq: 3 Sep 2020 12:00

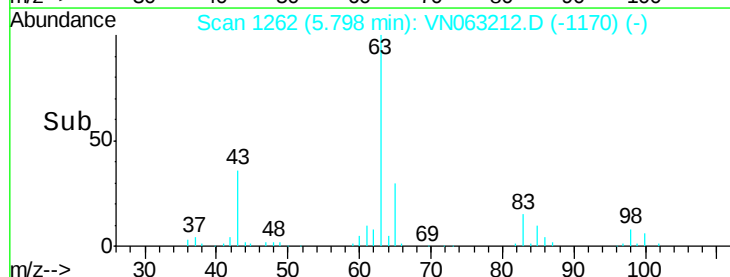
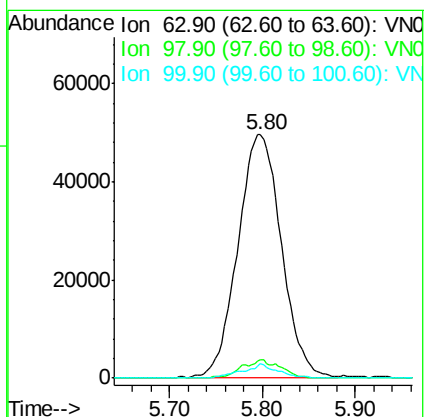
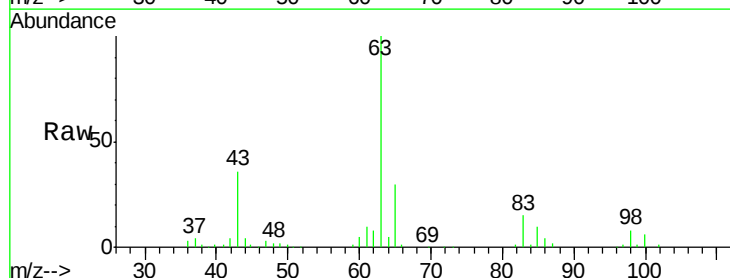
Tgt Ion: 63 Resp: 161872

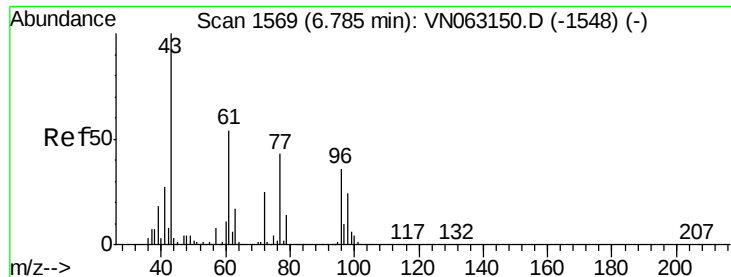
Ion Ratio Lower Upper

63 100

98 7.6 3.4 10.1

100 5.8 2.3 6.8





#25

2-Butanone

Concen: 101.531 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VN063212.D

Acq: 3 Sep 2020 12:00

Instrument :

MSVOA_N

ClientSampled :

VN0903WBSD01

Tot Ion: 43 Resp: 267279

Ion Ratio Lower Upper

43 100

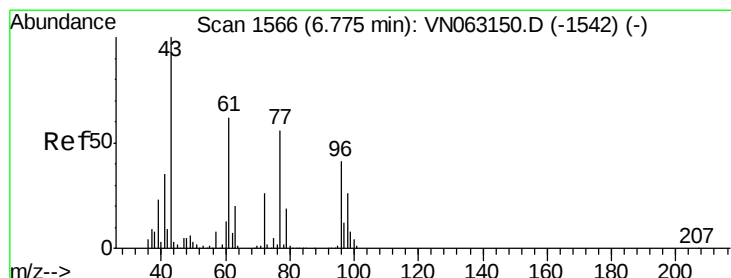
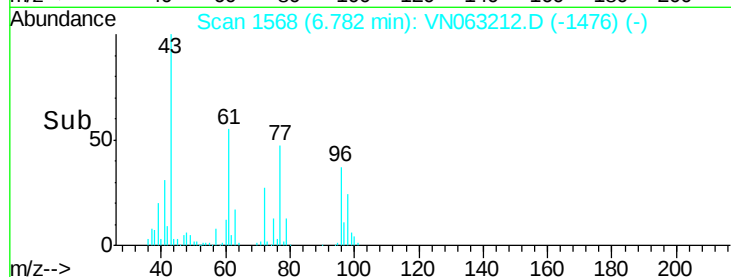
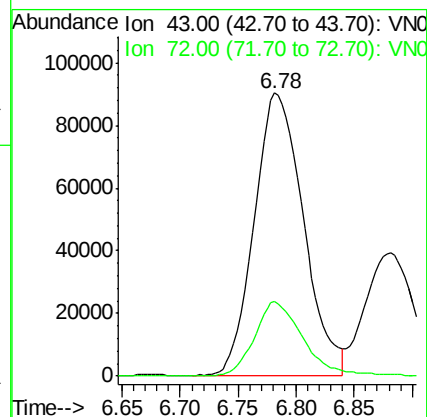
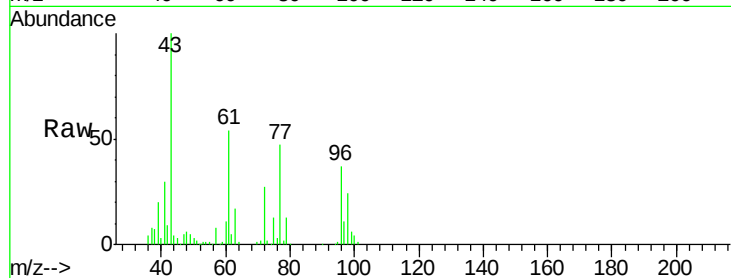
72 26.5 20.2 30.4

Manual Integrations

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MMDadoda

9/4/2020 11:14:32 AM



#26

2,2-Dichloropropane

Concen: 17.468 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN063212.D

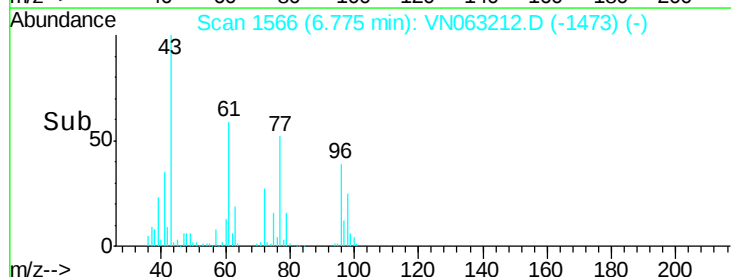
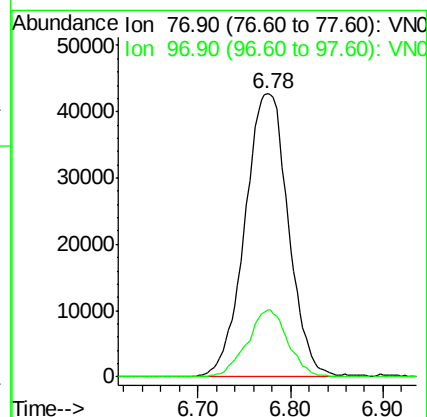
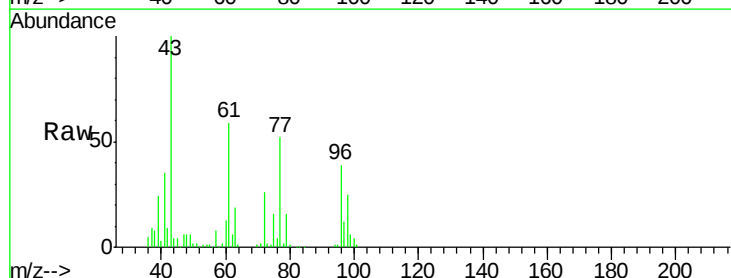
Acq: 3 Sep 2020 12:00

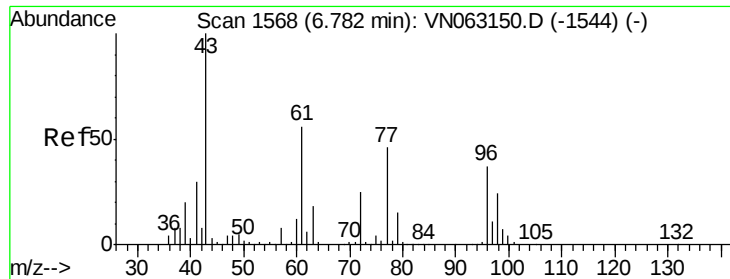
Tgt Ion: 77 Resp: 139378

Ion Ratio Lower Upper

77 100

97 22.1 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 18.143 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN063212.D

Acq: 3 Sep 2020 12:00

Instrument :

MSVOA_N

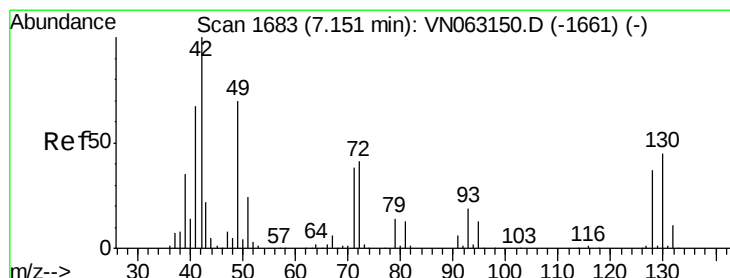
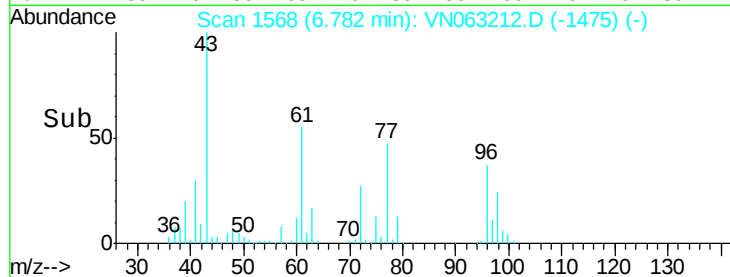
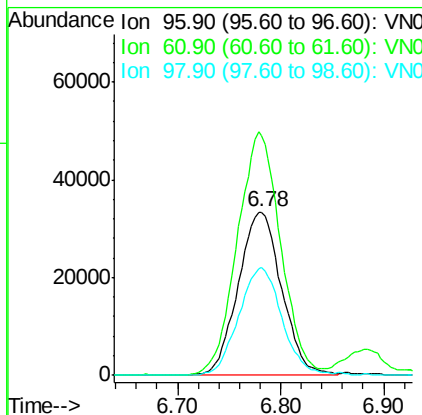
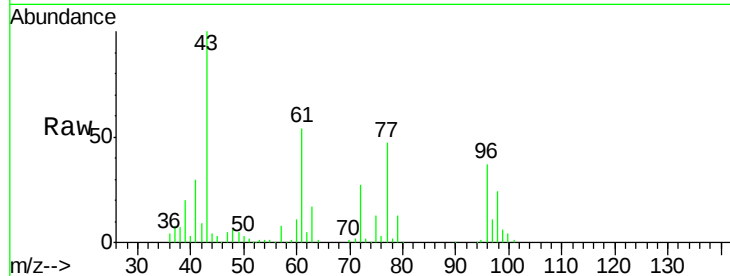
ClientSampleId :

VN0903WBSD01

Tot Ion:	96	Resp:	97796
Ion	Ratio	Lower	Upper
96	100		
61	148.5	0.0	303.2
98	65.6	0.0	129.0

Manual Integrations
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#28

Bromochloromethane

Concen: 18.161 ug/l

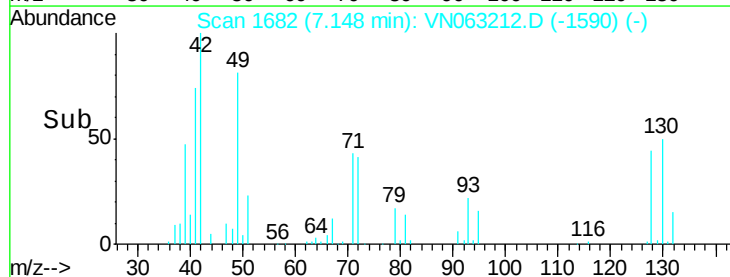
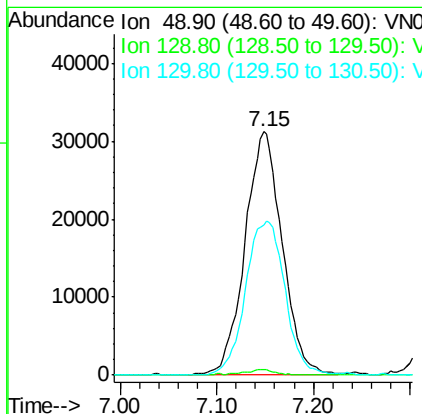
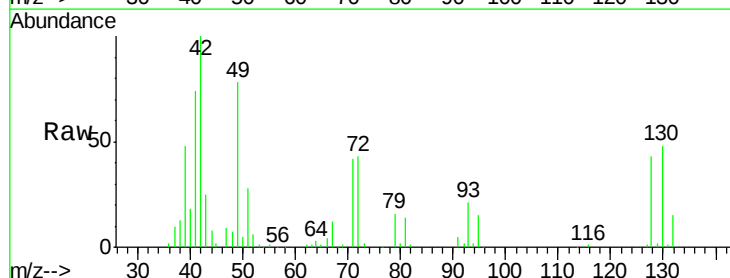
RT: 7.15 min Scan# 1682

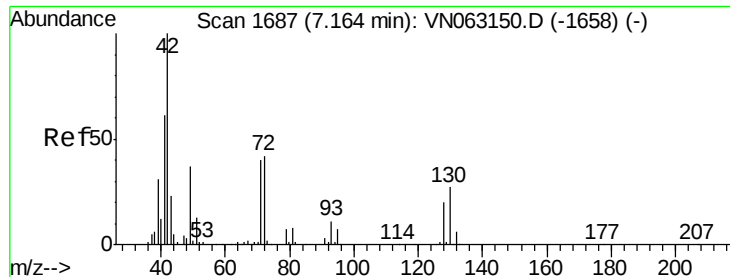
Delta R.T. -0.00 min

Lab File: VN063212.D

Acq: 3 Sep 2020 12:00

Tgt Ion:	49	Resp:	83561
Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	4.0
130	66.7	54.4	81.6





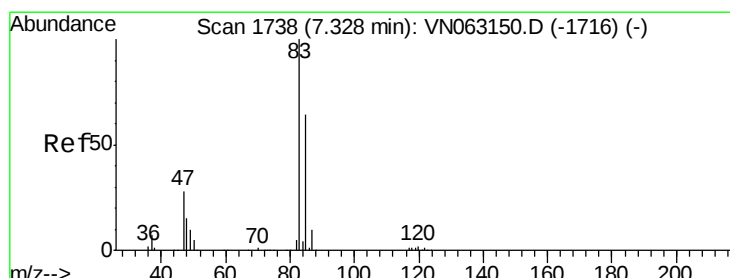
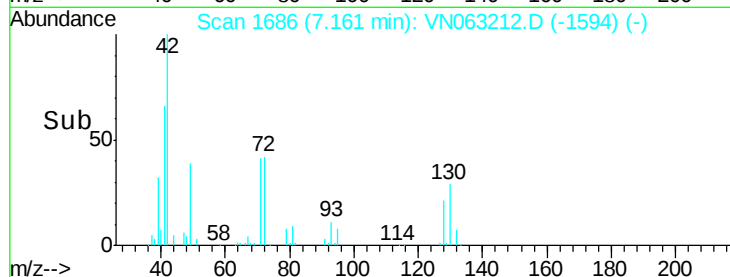
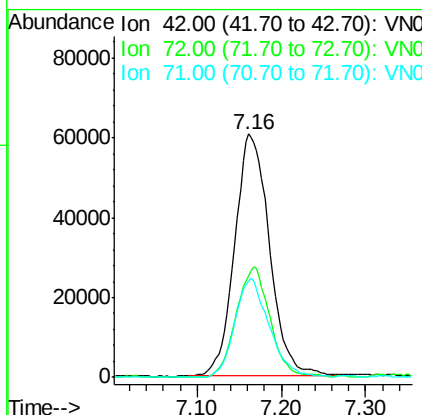
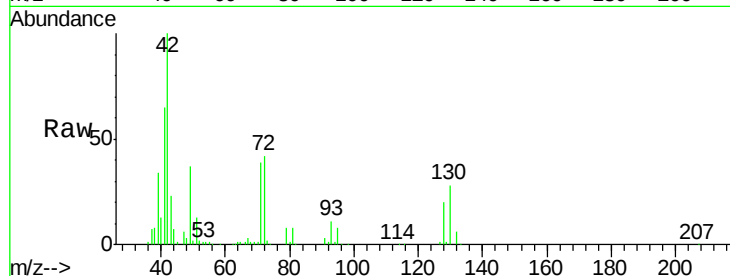
#29
Tetrahydrofuran
Concen: 95.368 ug/l
RT: 7.16 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VN063212.D
Acq: 3 Sep 2020 12:00

Instrument :
MSVOA_N
ClientSampleId :
VN0903WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.5	33.9	50.9
71	40.5	31.9	47.9

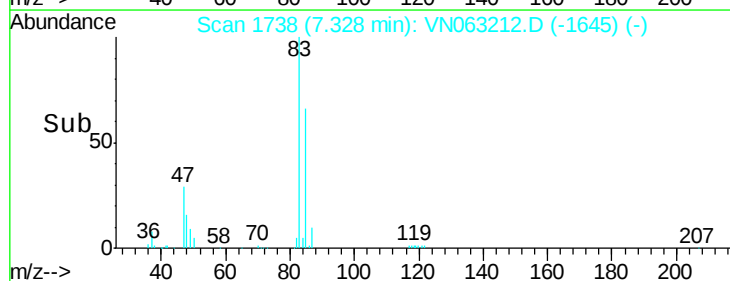
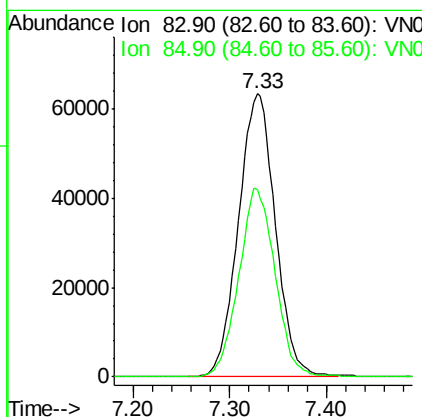
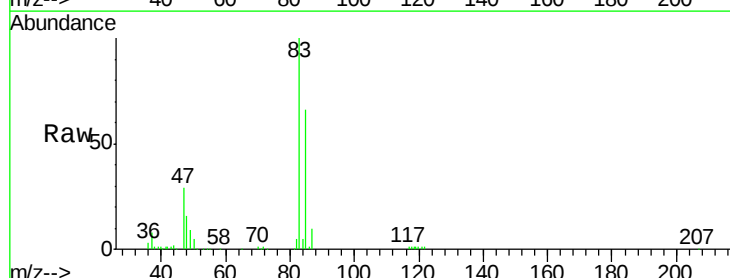
Manual Integrations
APPROVED

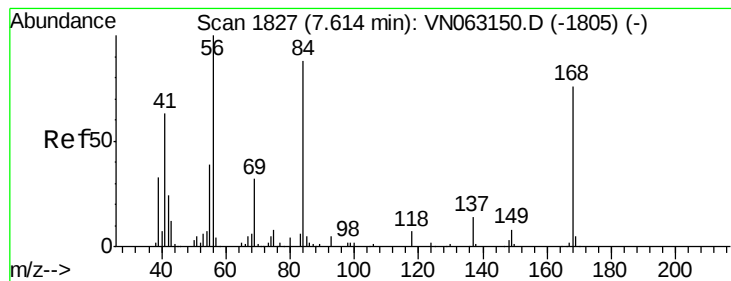
MMDadoda
9/4/2020 11:14:32 AM



#30
Chloroform
Concen: 18.251 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN063212.D
Acq: 3 Sep 2020 12:00

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.2	51.0	76.6





#31

Cyclohexane

Concen: 16.935 ug/l

RT: 7.61 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN063212.D

Acq: 3 Sep 2020 12:00

Instrument :

MSVOA_N

ClientSampleId :

VN0903WBSD01

Tot Ion: 56 Resp: 140430

Ion Ratio Lower Upper

56 100

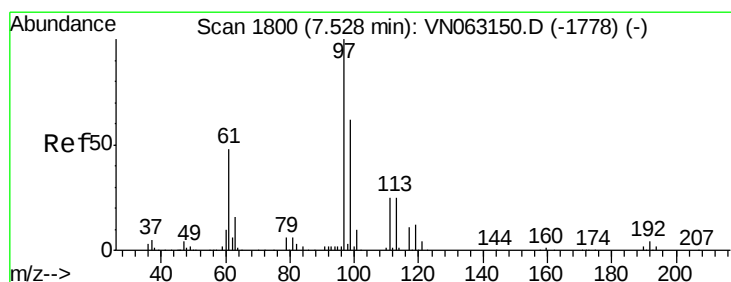
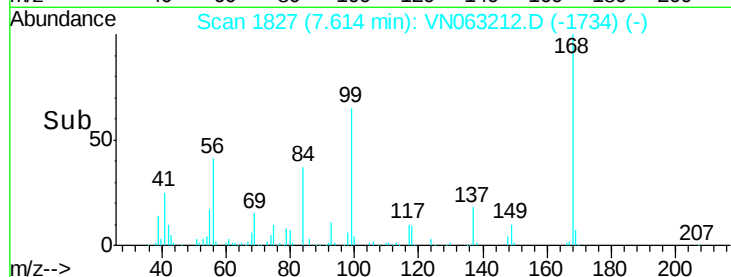
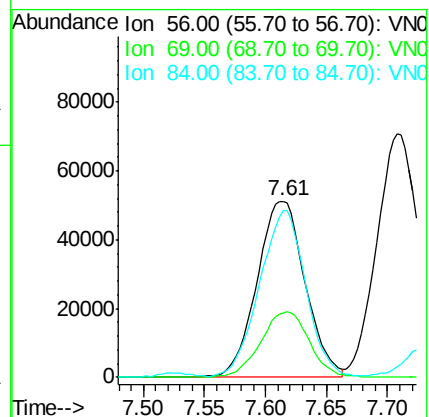
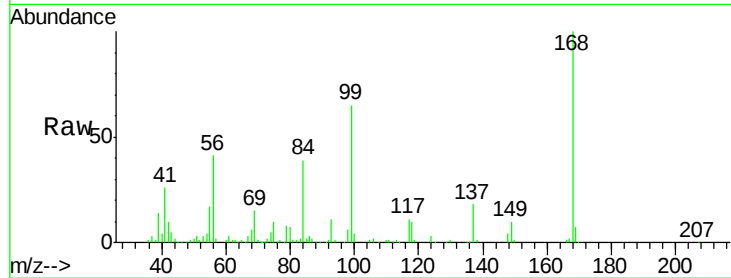
69 36.8 25.4 38.0

84 93.1 70.2 105.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 18.294 ug/l

RT: 7.53 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VN063212.D

Acq: 3 Sep 2020 12:00

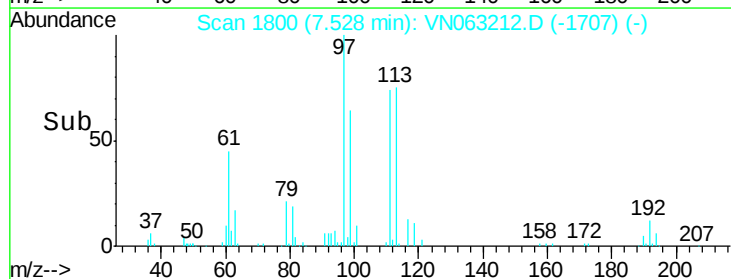
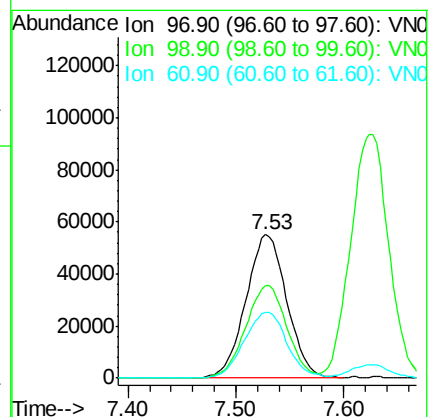
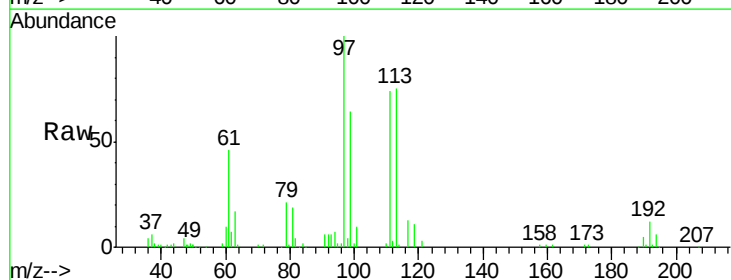
Tgt Ion: 97 Resp: 145253

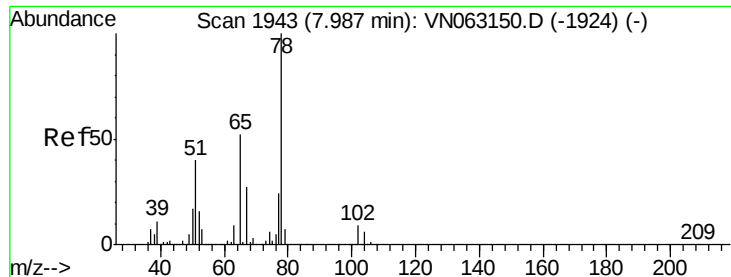
Ion Ratio Lower Upper

97 100

99 65.0 50.8 76.2

61 48.3 37.4 56.2





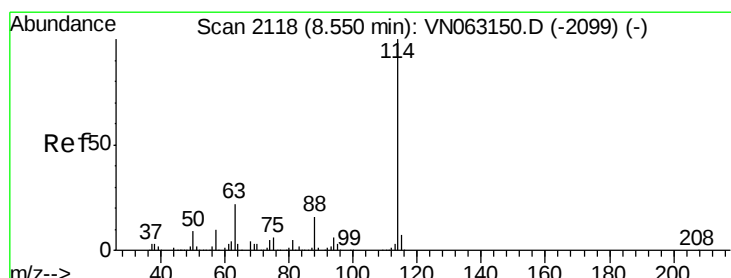
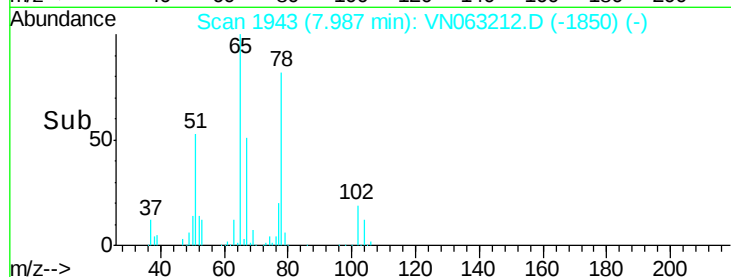
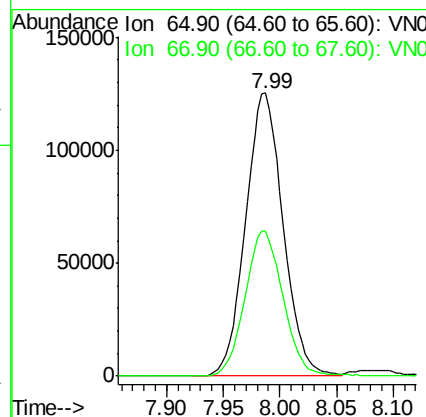
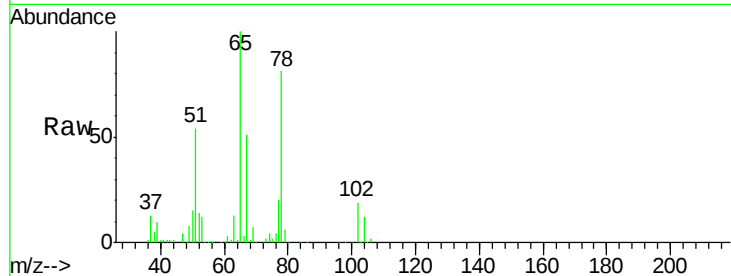
#33
 1,2-Dichloroethane-d4
 Concen: 48.504 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN063212.D
 Acq: 3 Sep 2020 12:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0903WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	290087		
67	51.9	0.0	104.4	

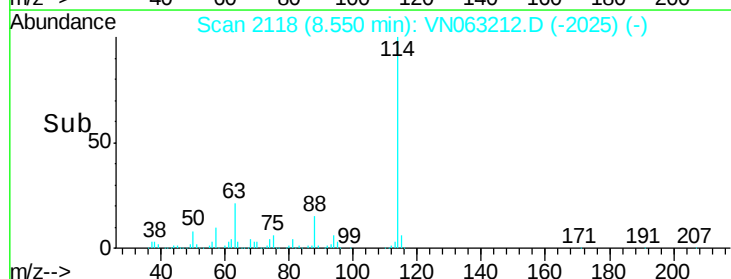
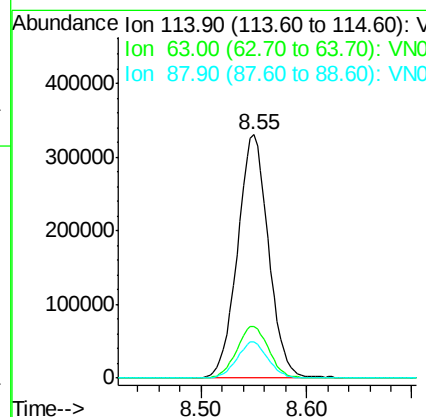
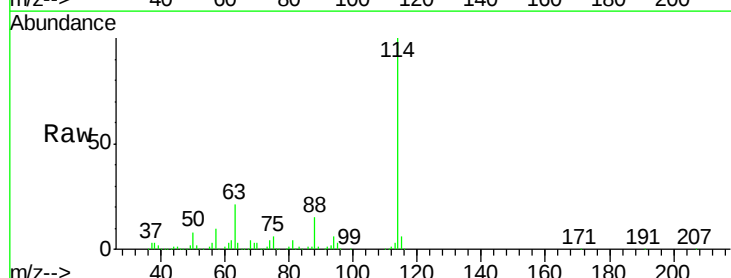
Manual Integrations
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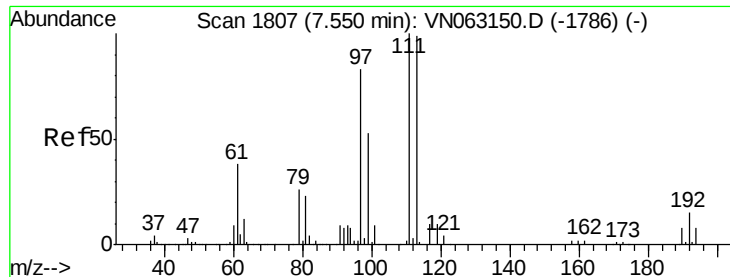
MMDadoda
 9/4/2020 11:14:32 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN063212.D
 Acq: 3 Sep 2020 12:00

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	671985		
63	21.3	0.0	43.0	
88	14.7	0.0	31.6	





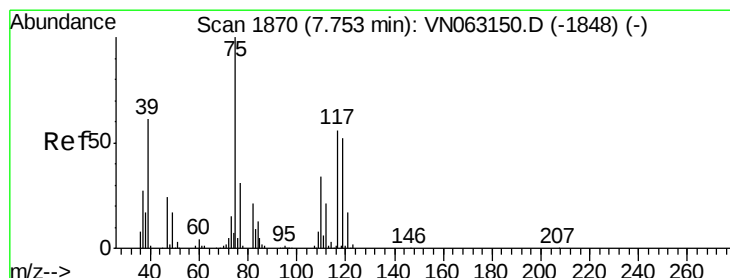
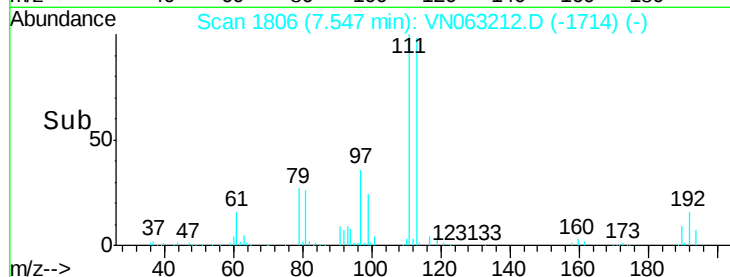
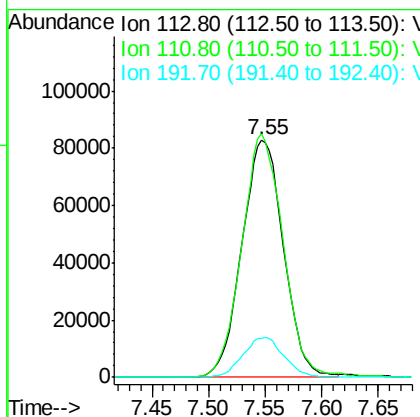
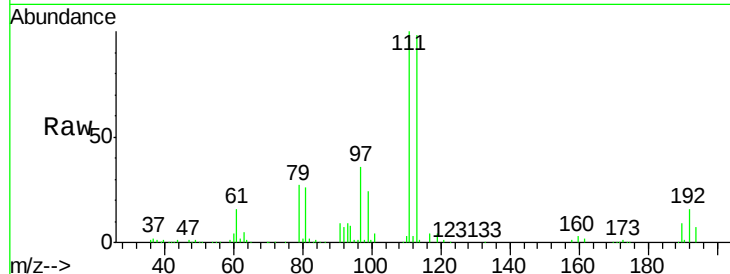
#35
Dibromofluoromethane
Concen: 49.091 ug/l
RT: 7.55 min Scan# 1806
Delta R.T. -0.00 min
Lab File: VN063212.D
Acq: 3 Sep 2020 12:00

Instrument :
MSVOA_N
ClientSampleId :
VN0903WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	211638		
111	101.4	80.7	121.1	
192	16.5	12.6	19.0	

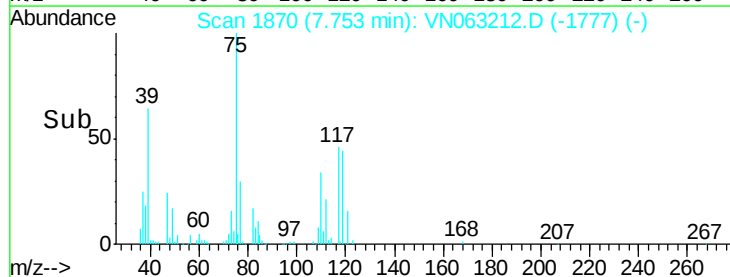
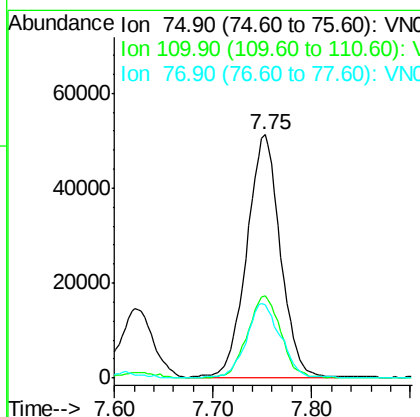
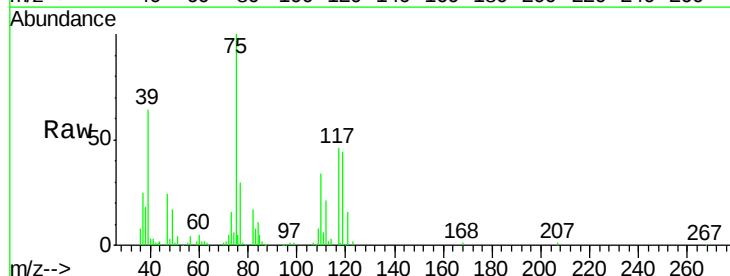
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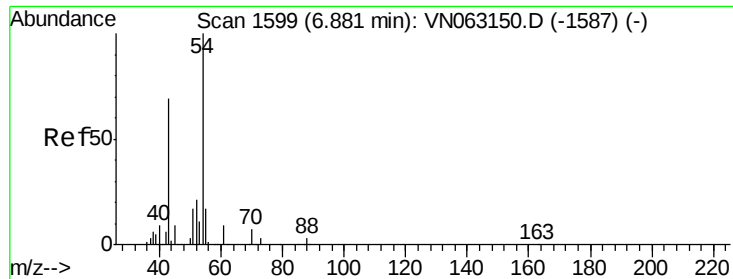
MMDadoda
9/4/2020 11:14:32 AM



#36
1,1-Dichloropropene
Concen: 18.518 ug/l
RT: 7.75 min Scan# 1870
Delta R.T. 0.00 min
Lab File: VN063212.D
Acq: 3 Sep 2020 12:00

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	119629		
110	34.0	16.6	49.8	
77	31.6	25.4	38.2	





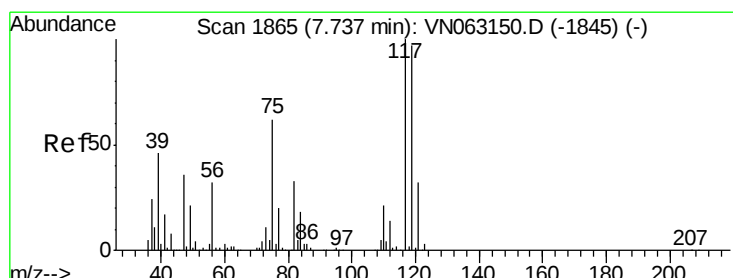
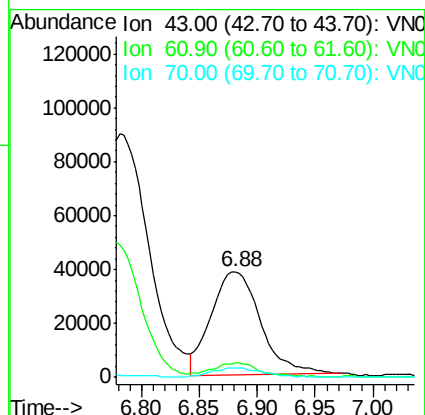
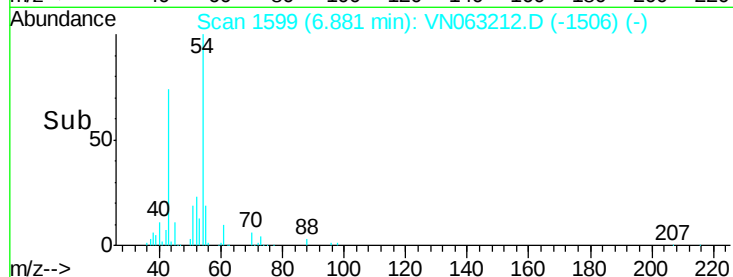
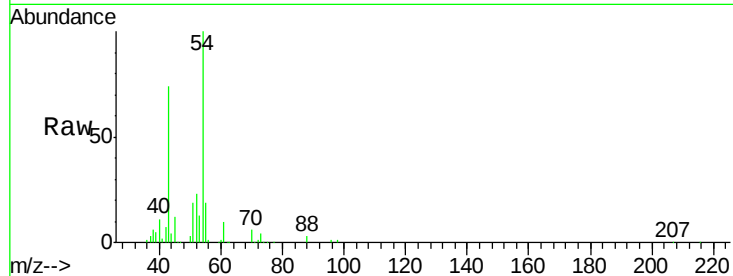
#37
Ethyl Acetate
Concen: 18.929 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VN063212.D
Acq: 3 Sep 2020 12:00

Instrument :
MSVOA_N
ClientSampleId :
VN0903WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.2	15.4
70	9.6	3.0	4.6

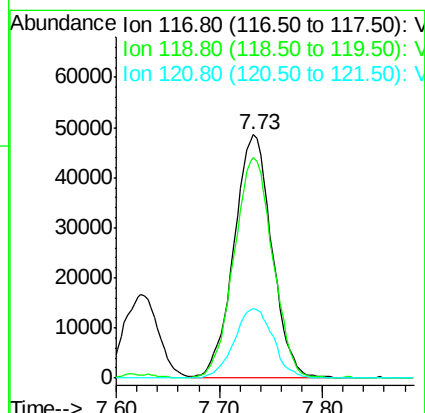
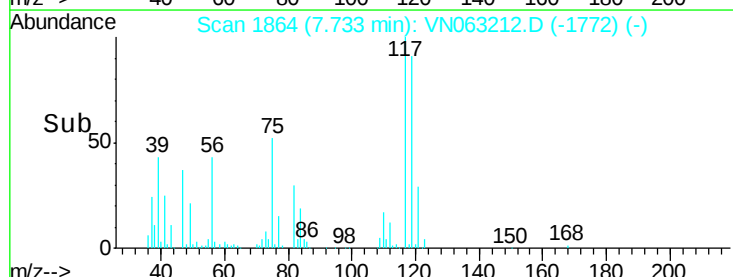
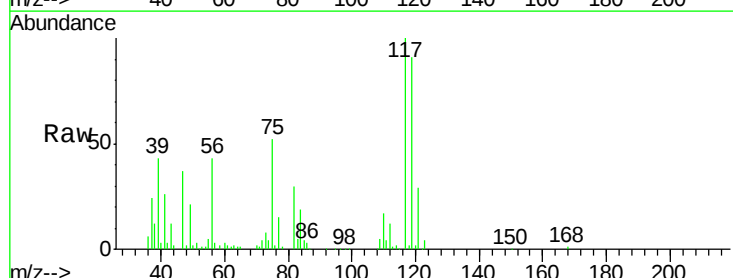
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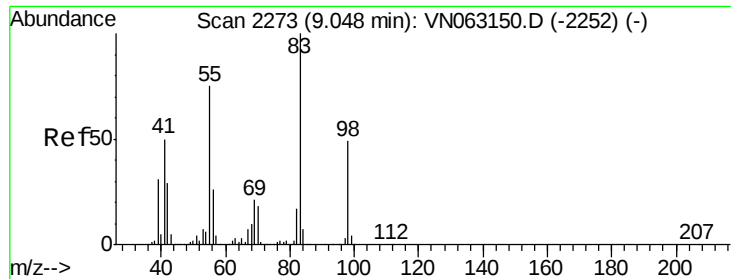
MMDadoda
9/4/2020 11:14:32 AM



#38
Carbon Tetrachloride
Concen: 18.939 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN063212.D
Acq: 3 Sep 2020 12:00

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.7	77.2	115.8
121	28.6	25.6	38.4





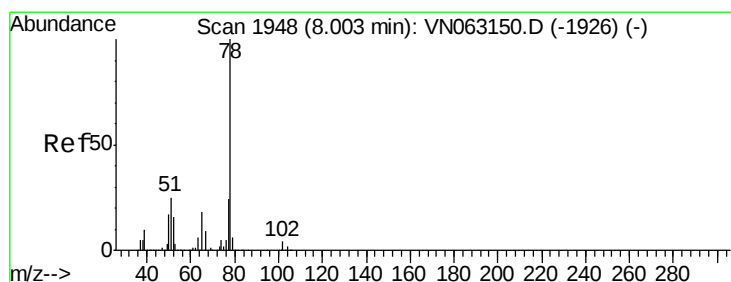
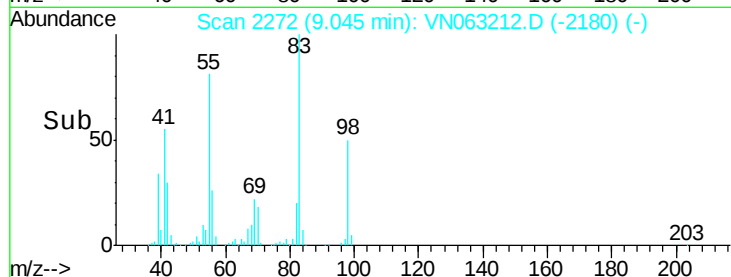
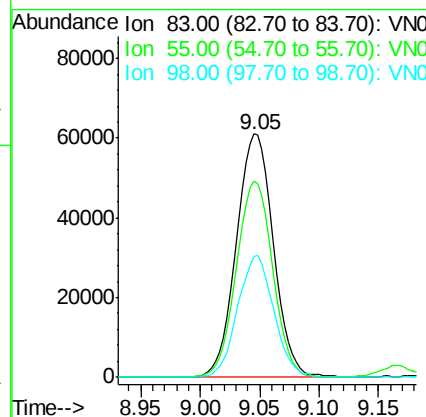
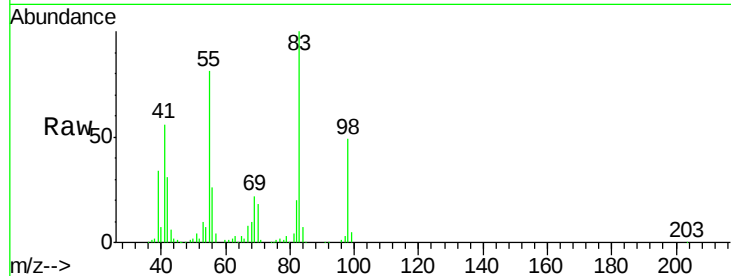
#39
Methvlcvclohexane
Concen: 18.156 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN063212.D
Acq: 3 Sep 2020 12:00

Instrument :
MSVOA_N
ClientSampleId :
VN0903WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	80.4	60.3	90.5	
98	49.4	38.9	58.3	

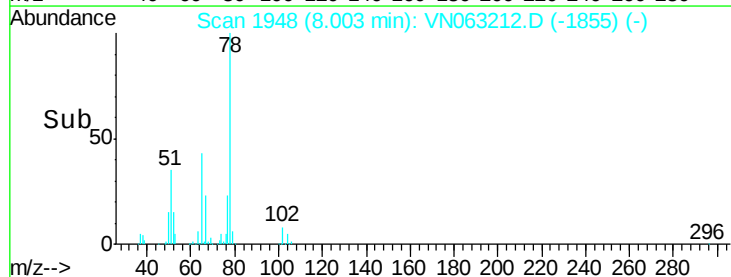
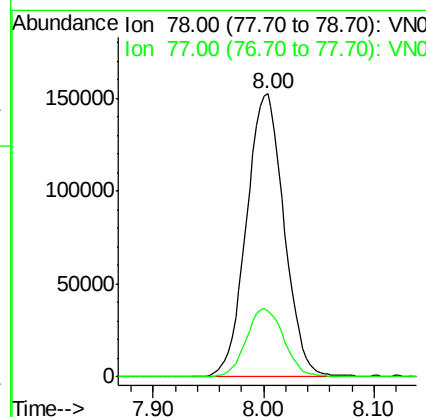
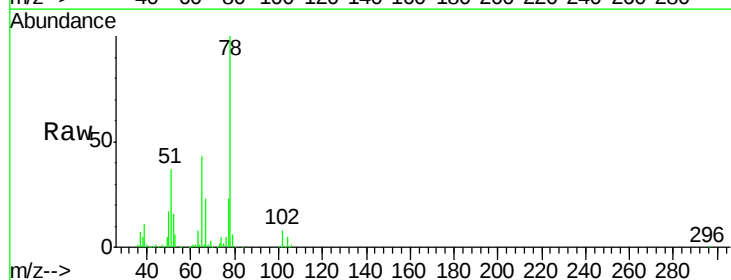
Manual Integrations
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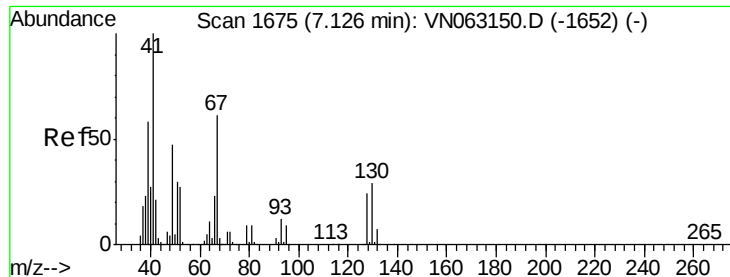
MMDadoda
9/4/2020 11:14:32 AM



#40
Benzene
Concen: 18.933 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN063212.D
Acq: 3 Sep 2020 12:00

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.3	19.3	28.9	





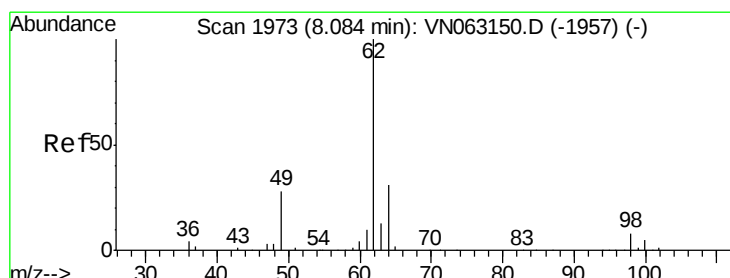
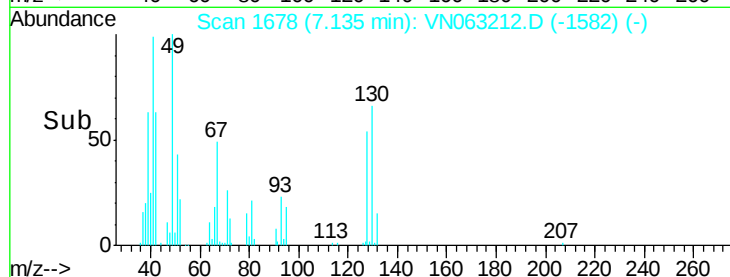
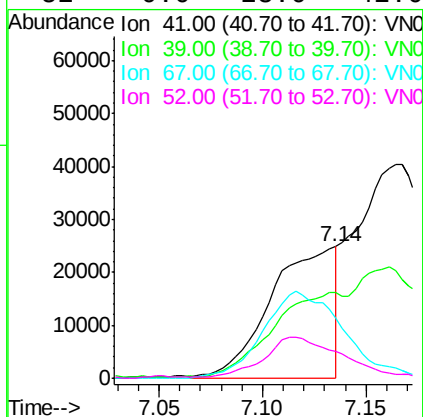
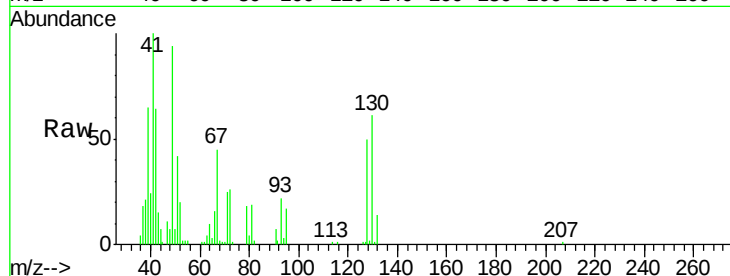
#41
Methacrylonitrile
Concen: 19.983 ug/l m
RT: 7.14 min Scan# 1678
Delta R.T. 0.01 min
Lab File: VN063212.D
Acq: 3 Sep 2020 12:00

Instrument :
MSVOA_N
ClientSampleId :
VN0903WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	92.6	46.6	70.0#	
67	0.0	62.6	94.0#	
52	0.0	28.0	42.0#	

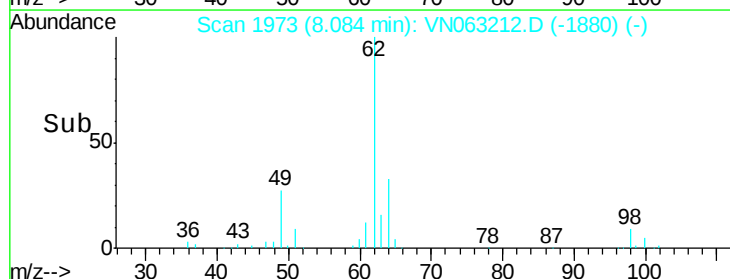
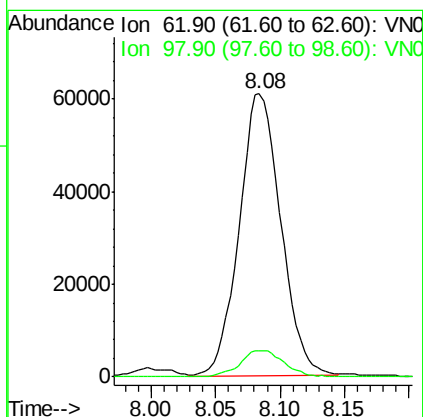
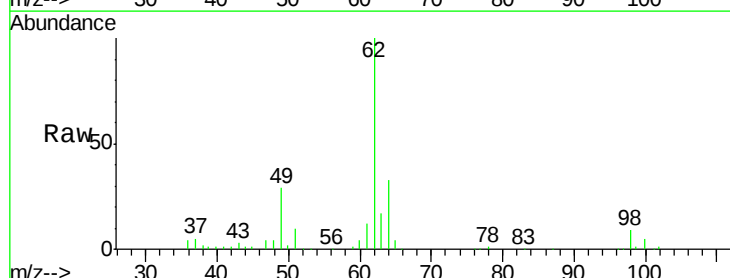
Manual Integrations
APPROVED

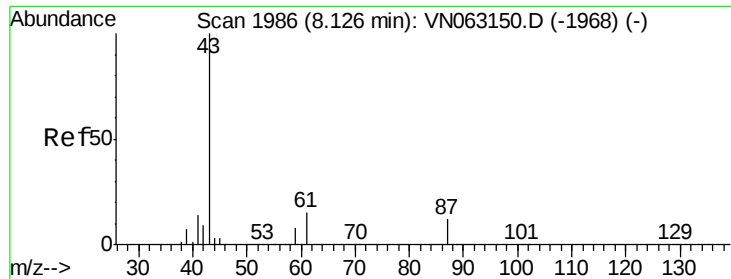
MMDadoda
9/4/2020 11:14:32 AM



#42
1,2-Dichloroethane
Concen: 19.238 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VN063212.D
Acq: 3 Sep 2020 12:00

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.9	0.0	17.2	





#43

Isopropyl Acetate

Concen: 19.699 ug/l

RT: 8.12 min Scan# 1985

Delta R.T. -0.00 min

Lab File: VN063212.D

Acq: 3 Sep 2020 12:00

Instrument :

MSVOA_N

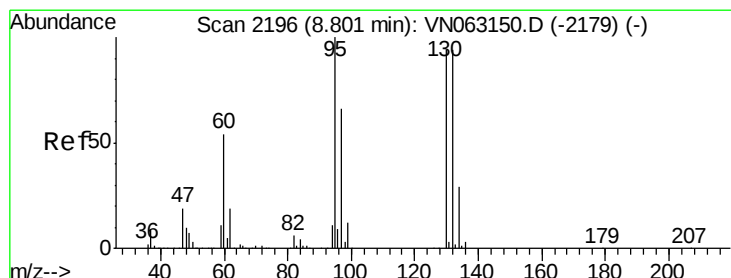
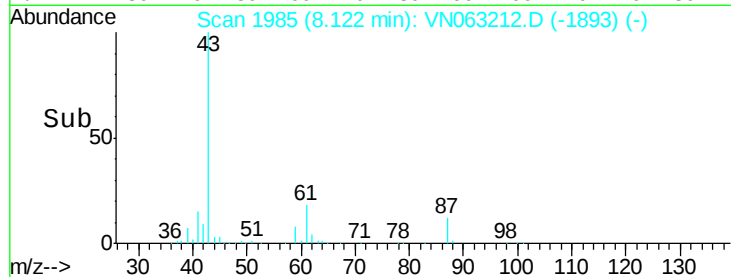
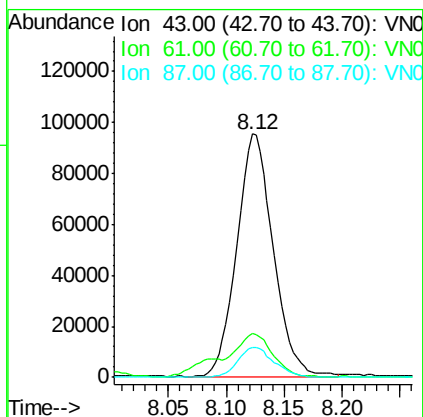
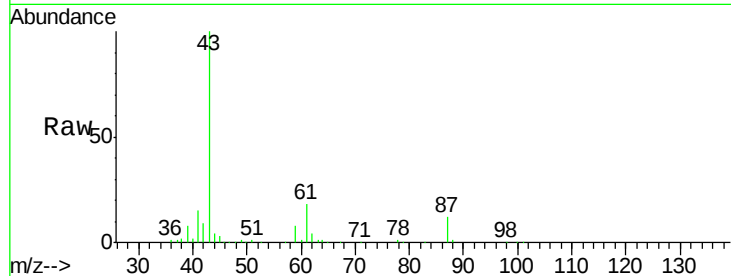
ClientSampleId :

VN0903WBSD01

Tot Ion:	43	Resp:	207541
Ion	Ratio	Lower	Upper
43	100		
61	17.9	20.2	30.4#
87	12.3	9.8	14.6

Manual Integrations
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MMDadoda
9/4/2020 11:14:32 AM



#44

Trichloroethene

Concen: 20.236 ug/l

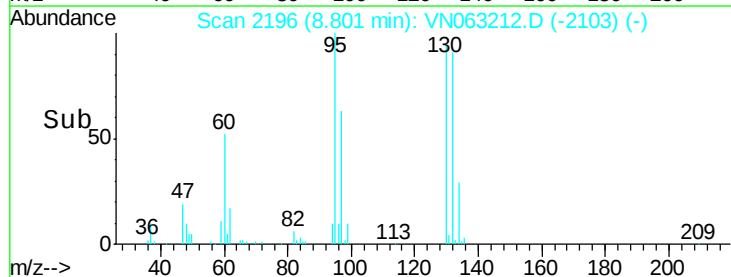
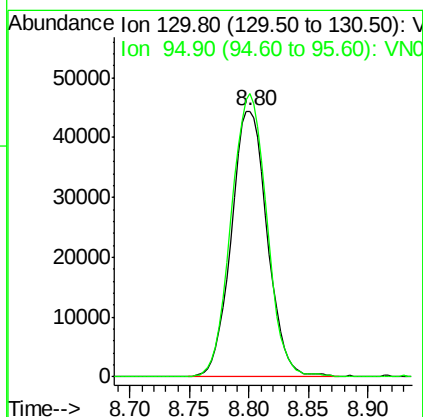
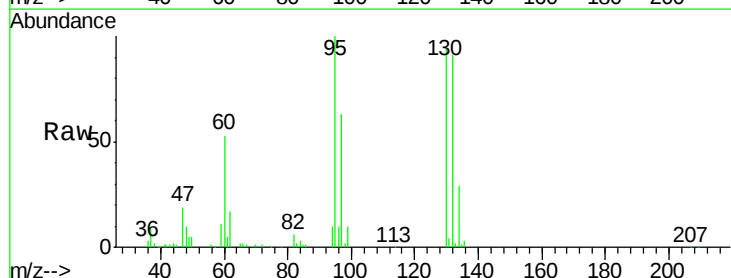
RT: 8.80 min Scan# 2196

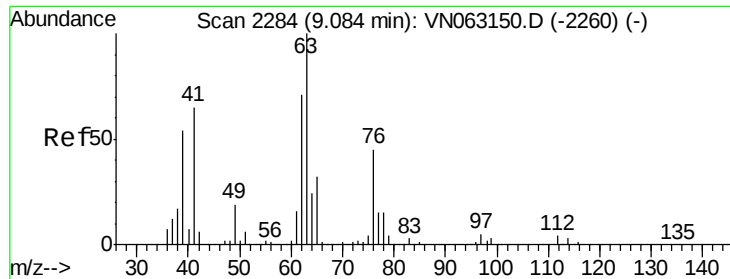
Delta R.T. 0.00 min

Lab File: VN063212.D

Acq: 3 Sep 2020 12:00

Tgt Ion:	130	Resp:	93180
Ion	Ratio	Lower	Upper
130	100		
95	106.4	0.0	212.0





#45

1,2-Dichloropropane

Concen: 18.947 ug/l

RT: 9.08 min Scan# 2284

Delta R.T. 0.00 min

Lab File: VN063212.D

Acq: 3 Sep 2020 12:00

Instrument :

MSVOA_N

ClientSampled :

VN0903WBSD01

Tot Ion: 63 Resp: 95232

Ion Ratio Lower Upper

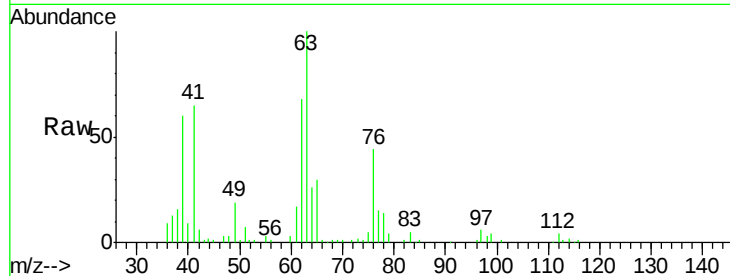
63 100

65 29.9 25.4 38.0

Manual Integrations
APPROVED

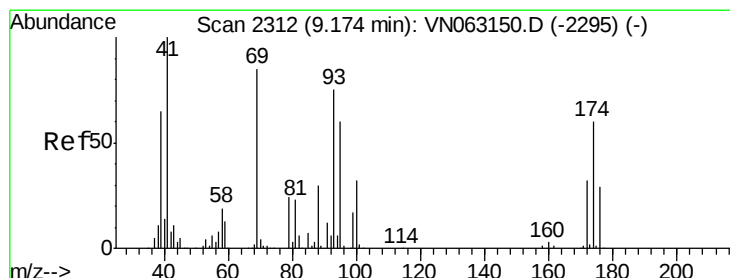
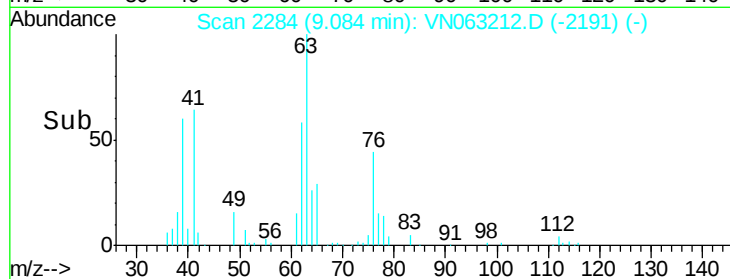
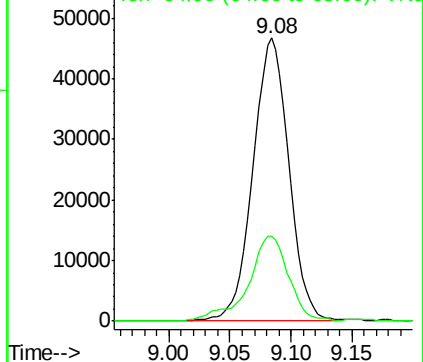
MMDadoda

9/4/2020 11:14:32 AM



Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO



#46

Dibromomethane

Concen: 19.757 ug/l

RT: 9.18 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN063212.D

Acq: 3 Sep 2020 12:00

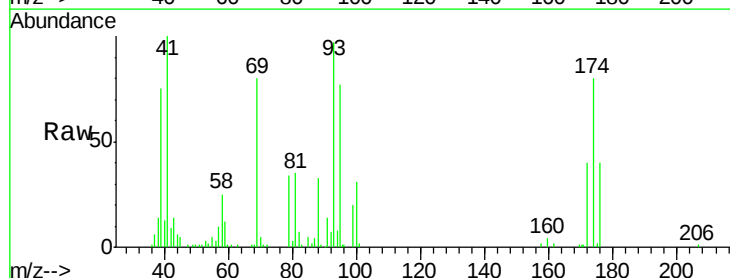
Tgt Ion: 93 Resp: 65808

Ion Ratio Lower Upper

93 100

95 82.5 65.2 97.8

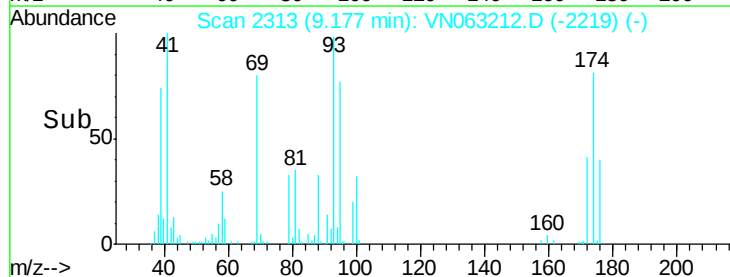
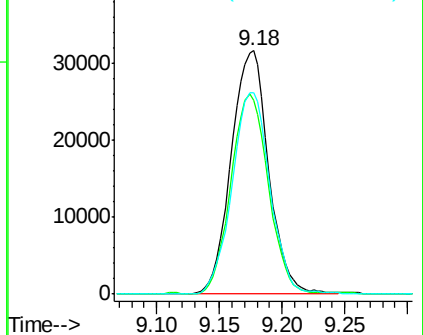
174 83.9 64.6 97.0

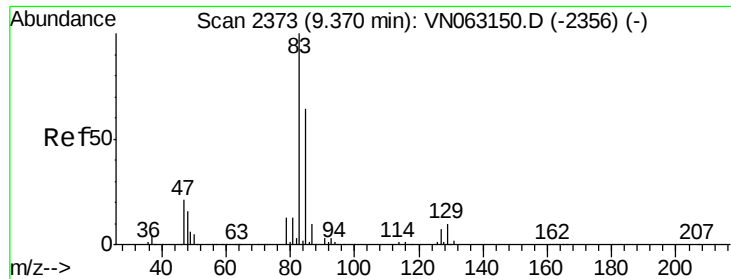


Abundance Ion 92.80 (92.50 to 93.50): VNO

Ion 94.80 (94.50 to 95.50): VNO

Ion 173.70 (173.40 to 174.40): VNO





#47

Bromodichloromethane

Concen: 19.282 ug/l

RT: 9.37 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN063212.D

Acq: 3 Sep 2020 12:00

Instrument :

MSVOA_N

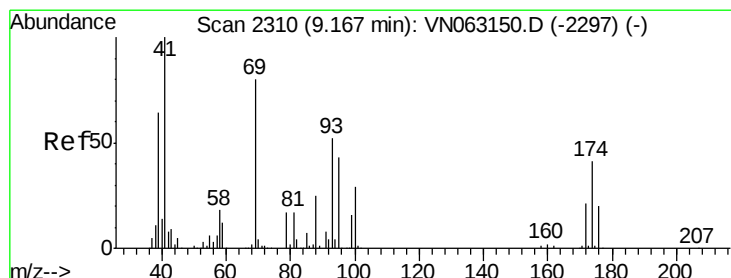
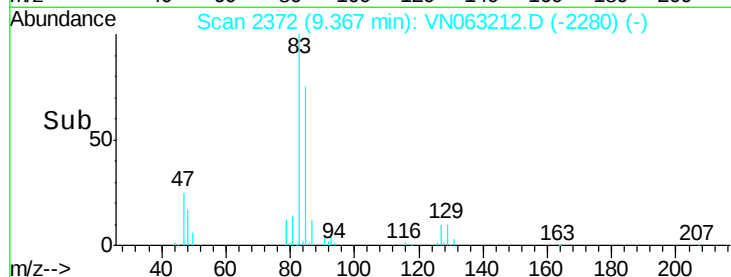
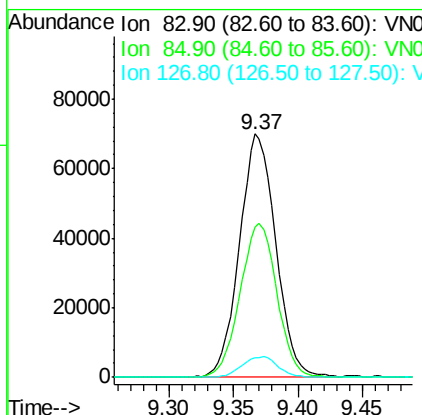
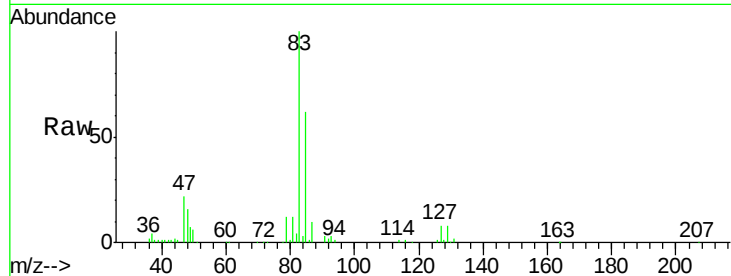
ClientSampleId :

VN0903WBSD01

Tot Ion:	83	Resp:	137669
Ion Ratio	Lower	Upper	
83	100		
85	61.7	51.0	76.6
127	7.8	5.7	8.5

Manual Integrations
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MMDadoda
9/4/2020 11:14:32 AM



#48

Methyl methacrylate

Concen: 19.687 ug/l

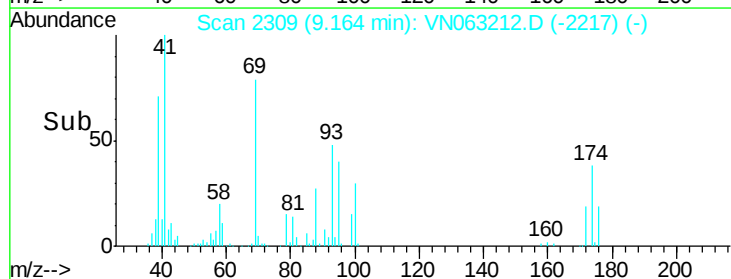
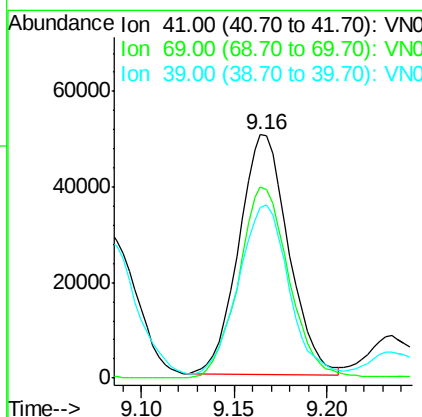
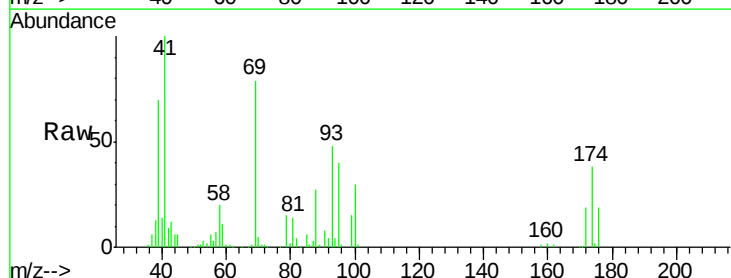
RT: 9.16 min Scan# 2309

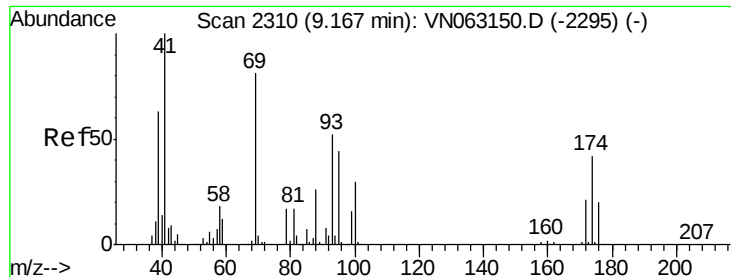
Delta R.T. -0.00 min

Lab File: VN063212.D

Acq: 3 Sep 2020 12:00

Tgt Ion:	41	Resp:	93502
Ion Ratio	Lower	Upper	
41	100		
69	81.5	65.9	98.9
39	71.1	52.0	78.0





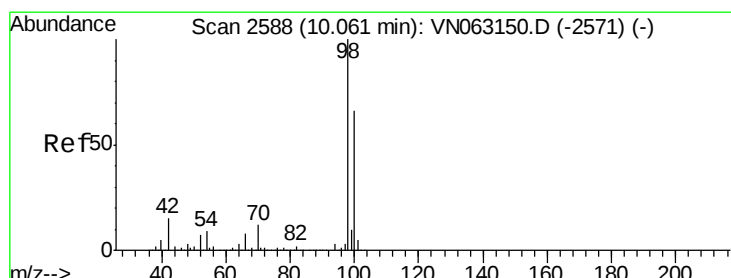
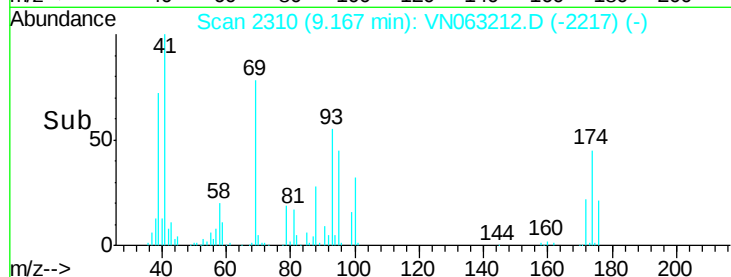
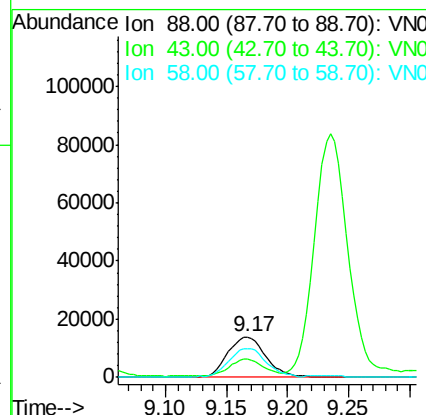
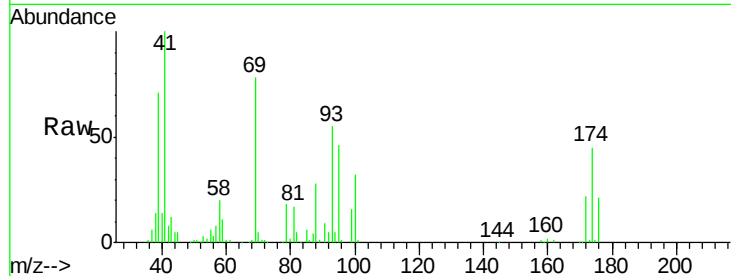
#49
1,4-Dioxane
Concen: 413.819 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN063212.D
Acq: 3 Sep 2020 12:00

Instrument :
MSVOA_N
ClientSampleId :
VN0903WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.0	28.6	42.8
58	71.2	53.2	79.8

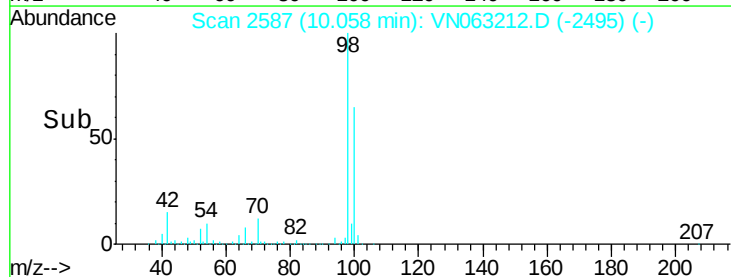
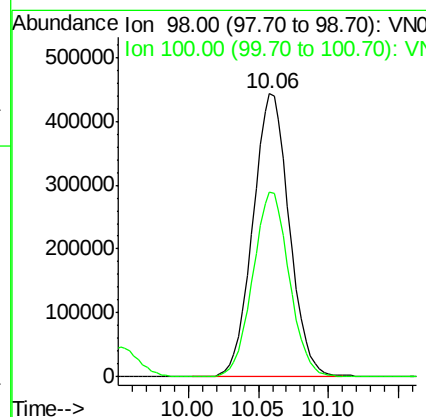
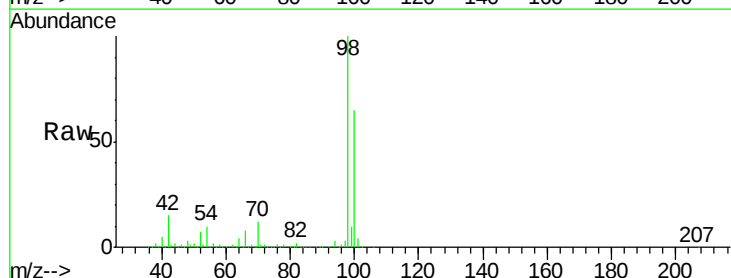
Manual Integrations
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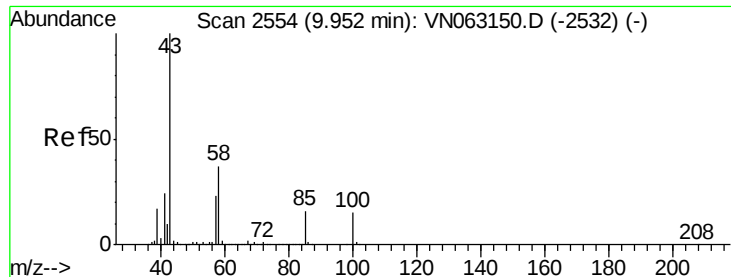
MMDadoda
9/4/2020 11:14:32 AM



#50
Toluene-d8
Concen: 48.233 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN063212.D
Acq: 3 Sep 2020 12:00

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.0	78.0





#51

4-Methyl-2-Pentanone

Concen: 104.171 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN063212.D

Acq: 3 Sep 2020 12:00

Instrument :

MSVOA_N

ClientSampled :

VN0903WBSD01

Tot Ion: 43 Resp: 596387

Ion Ratio Lower Upper

43 100

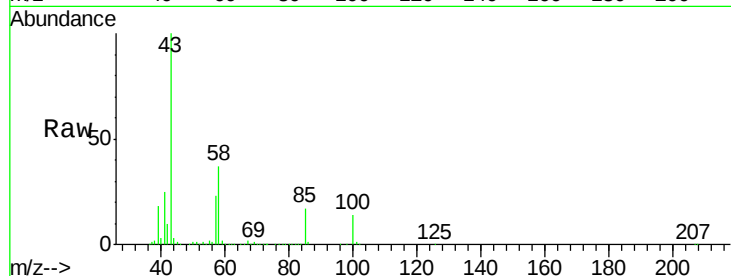
58 36.6 29.2 43.8

Manual Integrations

APPROVED

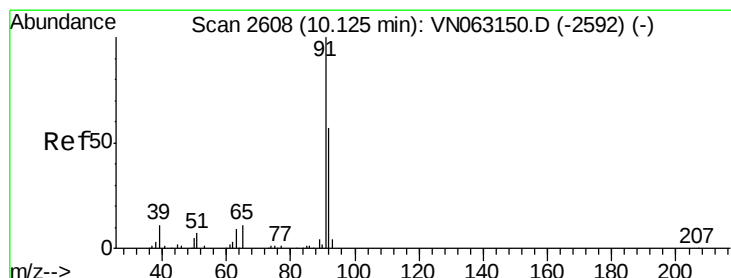
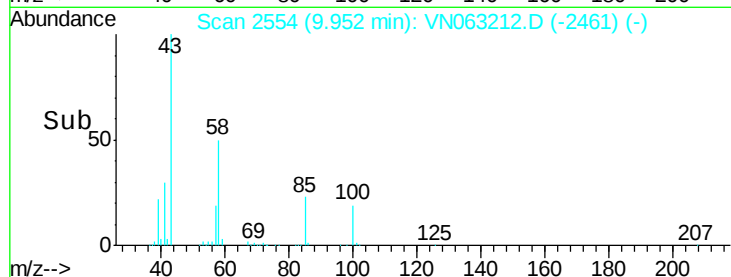
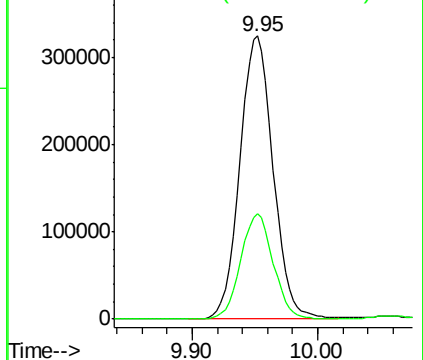
MMDadoda

9/4/2020 11:14:32 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 19.095 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN063212.D

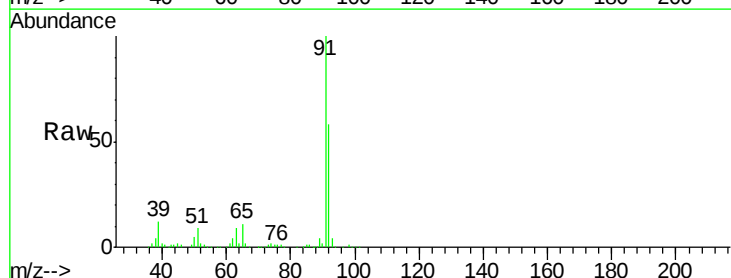
Acq: 3 Sep 2020 12:00

Tgt Ion: 92 Resp: 225810

Ion Ratio Lower Upper

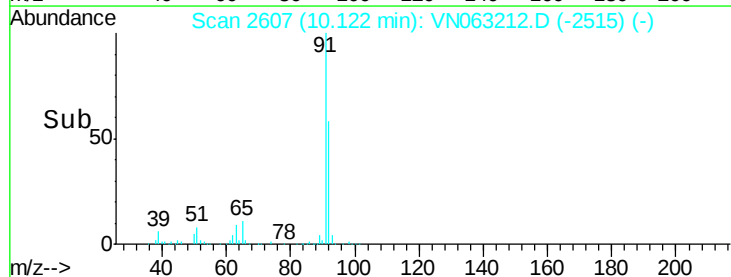
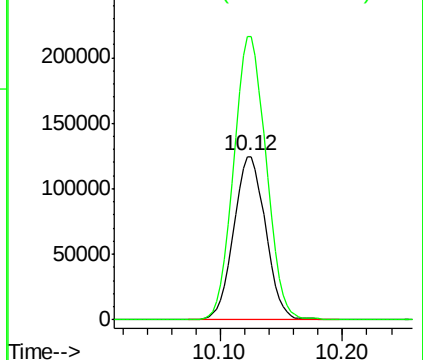
92 100

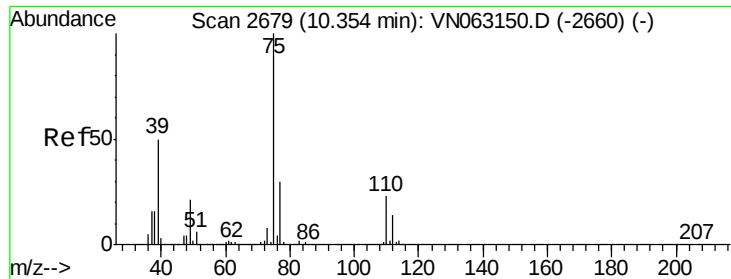
91 176.4 141.2 211.8



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





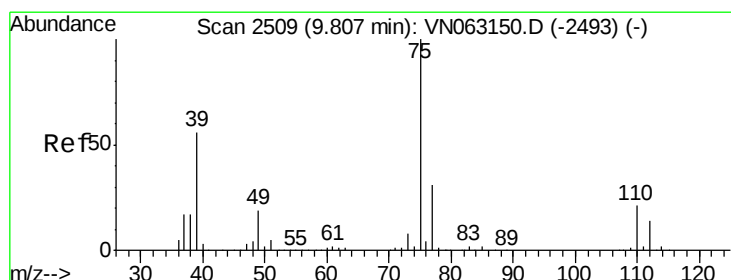
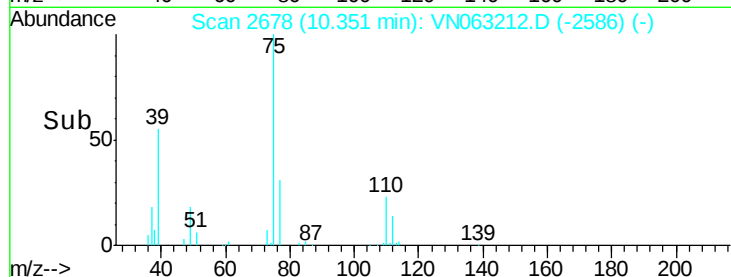
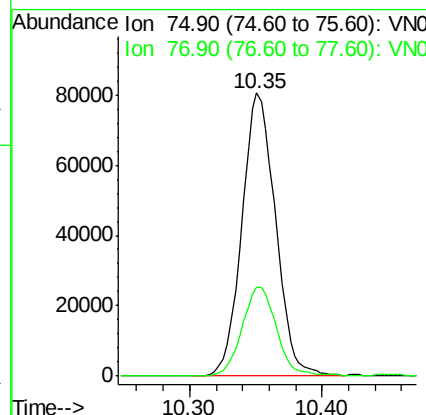
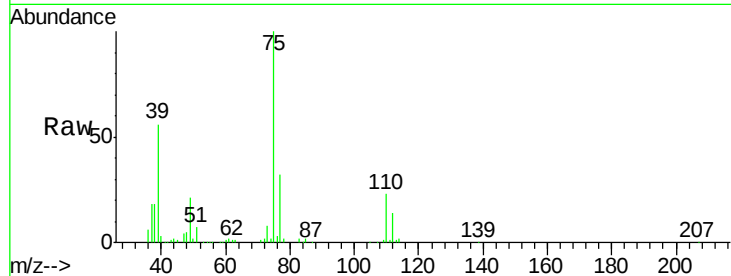
#53
 t-1,3-Dichloropropene
 Concen: 18.197 ug/l
 RT: 10.35 min Scan# 2678
 Delta R.T. -0.00 min
 Lab File: VN063212.D
 Acq: 3 Sep 2020 12:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0903WBSD01

Tot Ion: 75 Resp: 142115
 Ion Ratio Lower Upper
 75 100
 77 31.3 24.2 36.2

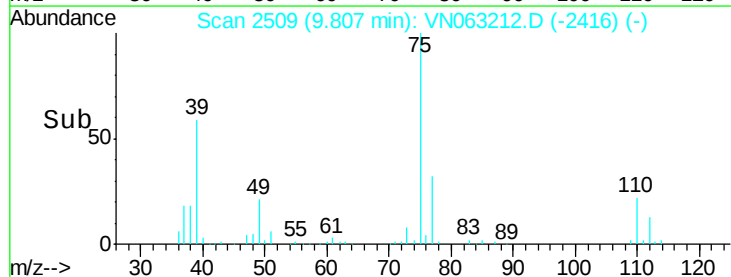
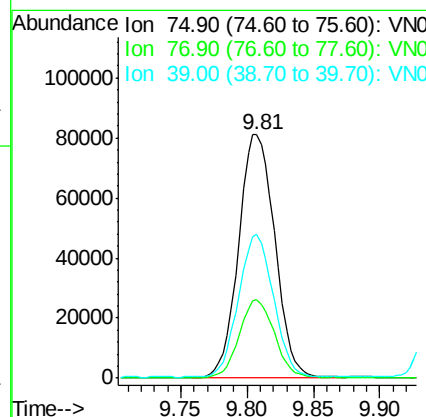
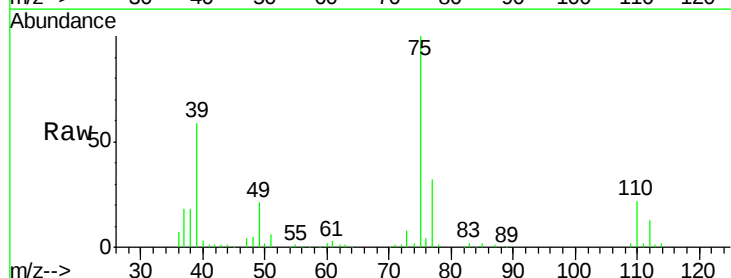
Manual Integrations
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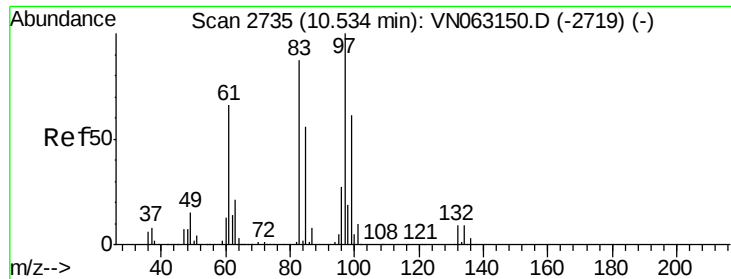
MMDadoda
 9/4/2020 11:14:32 AM



#54
 cis-1,3-Dichloropropene
 Concen: 18.869 ug/l
 RT: 9.81 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN063212.D
 Acq: 3 Sep 2020 12:00

Tgt Ion: 75 Resp: 154688
 Ion Ratio Lower Upper
 75 100
 77 32.1 24.8 37.2
 39 58.4 45.0 67.6





#55

1,1,2-Trichloroethane

Concen: 20.144 ug/l

RT: 10.53 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN063212.D

Acq: 3 Sep 2020 12:00

Instrument :

MSVOA_N

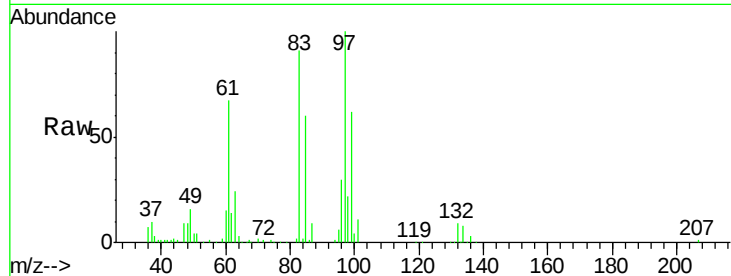
ClientSampleId :

VN0903WBSD01

Tot Ion:	97	Resp:	91232
Ion	Ratio	Lower	Upper
97	100		
83	91.3	69.8	104.8
85	59.7	44.9	67.3
99	61.9	48.8	73.2

Manual Integrations
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MMDadoda
9/4/2020 11:14:32 AM

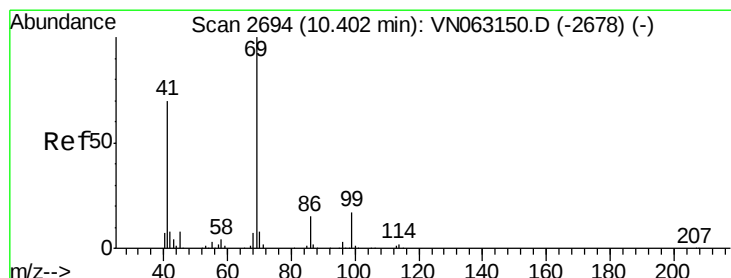
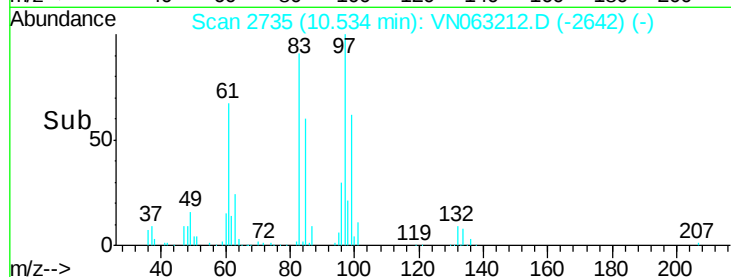
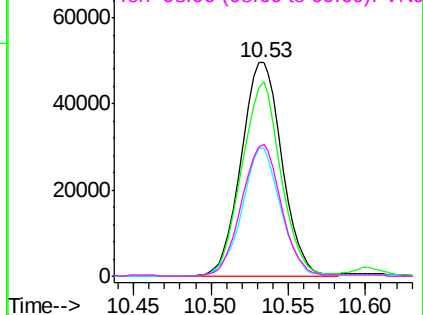


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 18.930 ug/l

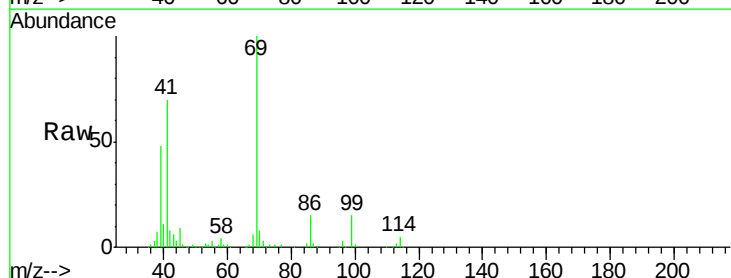
RT: 10.40 min Scan# 2693

Delta R.T. -0.00 min

Lab File: VN063212.D

Acq: 3 Sep 2020 12:00

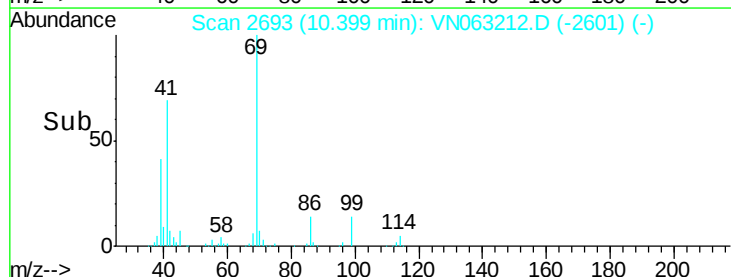
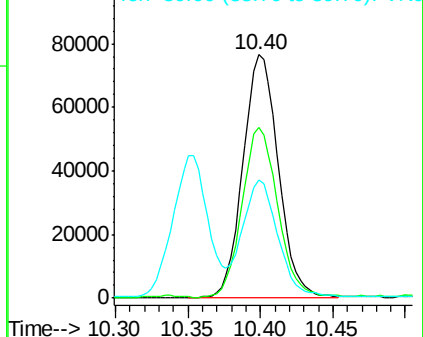
Tgt Ion:	69	Resp:	130469
Ion	Ratio	Lower	Upper
69	100		
41	70.2	55.5	83.3
39	48.0	38.2	57.2

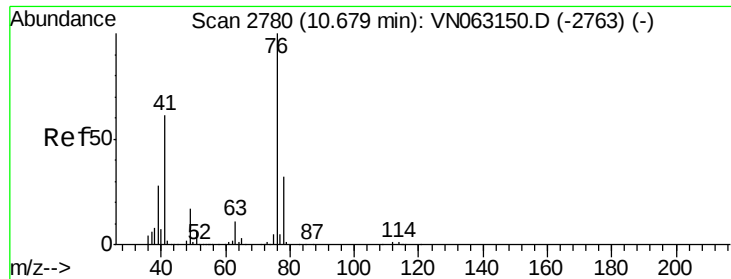


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





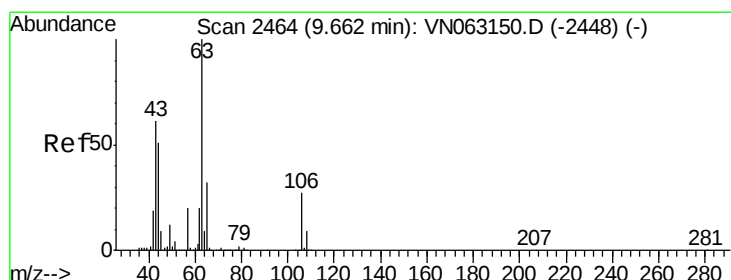
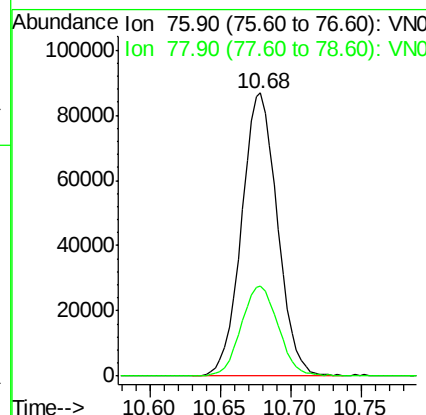
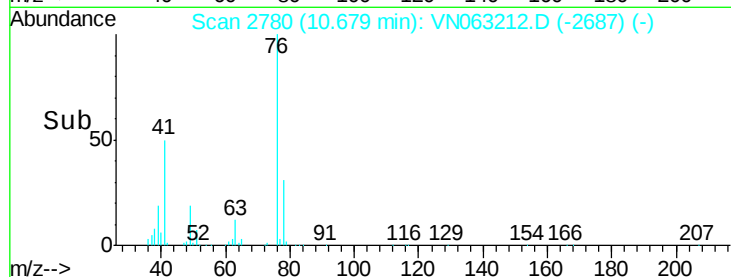
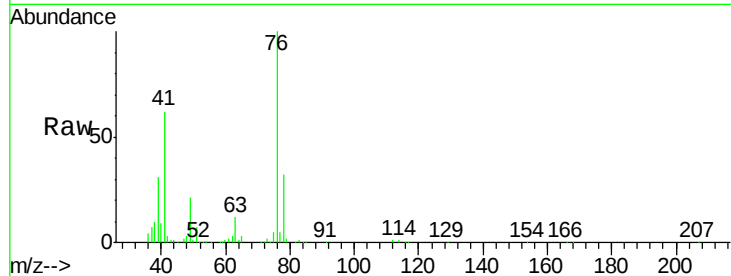
#57
 1,3-Dichloropropane
 Concen: 19.173 ug/l
 RT: 10.68 min Scan# 2780
 Delta R.T. 0.00 min
 Lab File: VN063212.D
 Acq: 3 Sep 2020 12:00

Instrument :
 MSVOA_N
 ClientSampled :
 VN0903WBSD01

Tot Ion: 76 Resp: 154693
 Ion Ratio Lower Upper
 76 100
 78 32.8 25.5 38.3

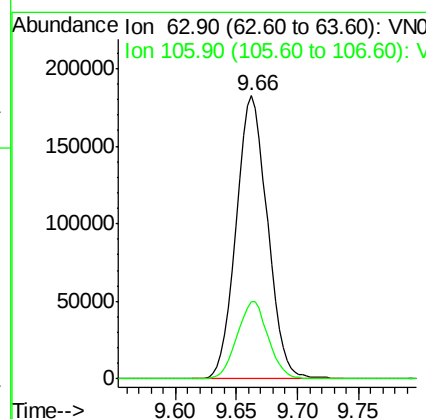
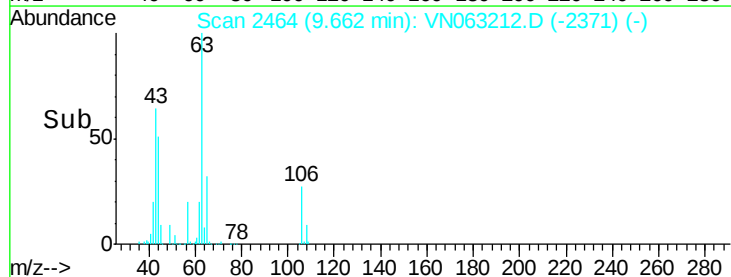
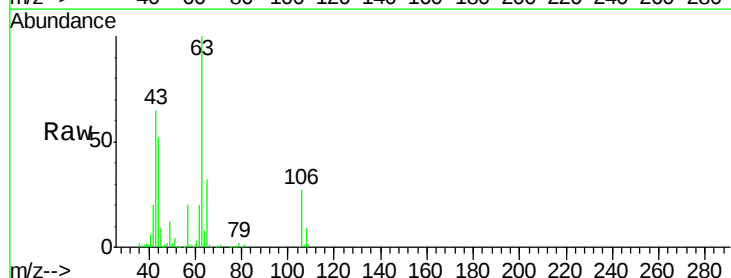
Manual Integrations
 APPROVED

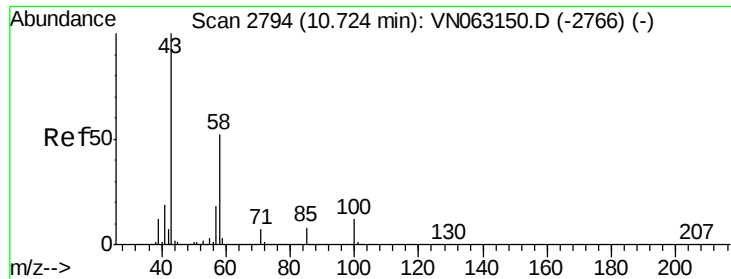
MMDadoda
 9/4/2020 11:14:32 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 91.184 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN063212.D
 Acq: 3 Sep 2020 12:00

Tgt Ion: 63 Resp: 325446
 Ion Ratio Lower Upper
 63 100
 106 27.2 21.8 32.6





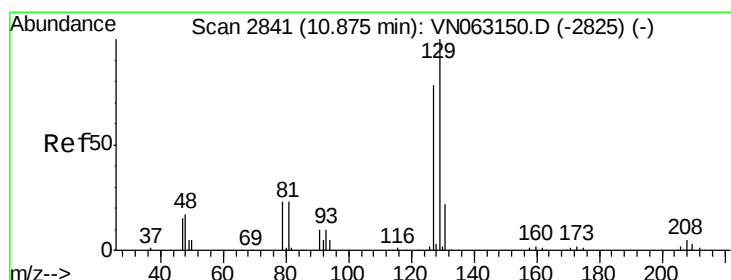
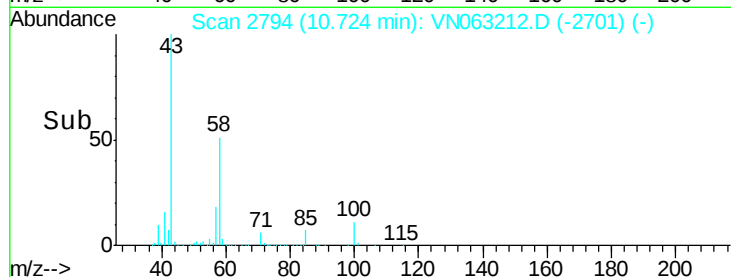
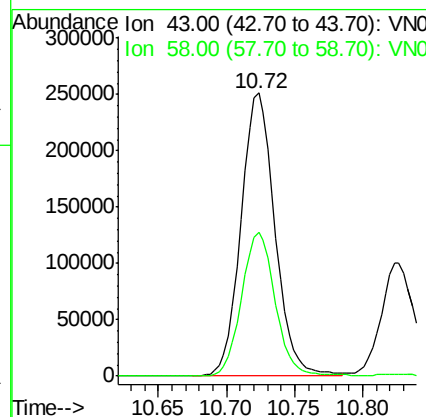
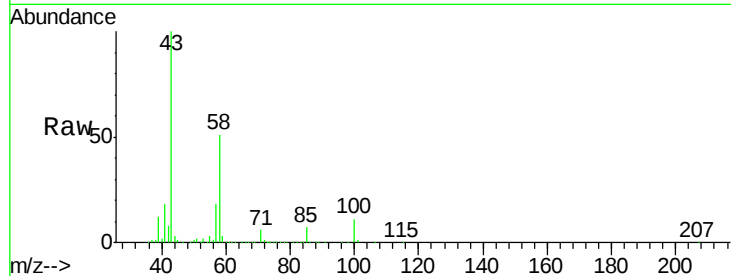
#59
2-Hexanone
Concen: 107.445 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN063212.D
Acq: 3 Sep 2020 12:00

Instrument :
MSVOA_N
ClientSampleId :
VN0903WBSD01

Tot Ion: 43 Resp: 432304
Ion Ratio Lower Upper
43 100
58 50.7 25.9 77.8

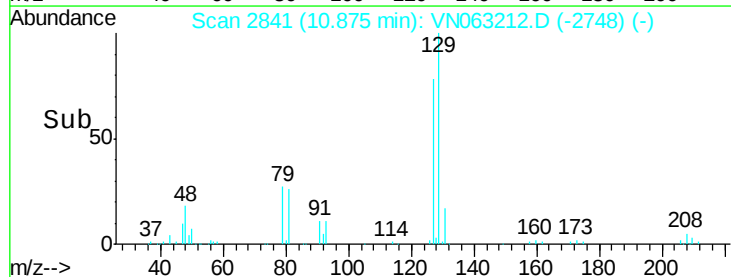
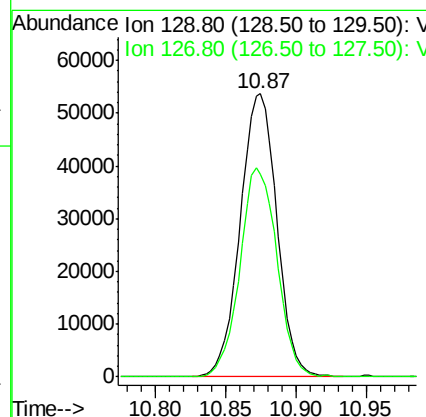
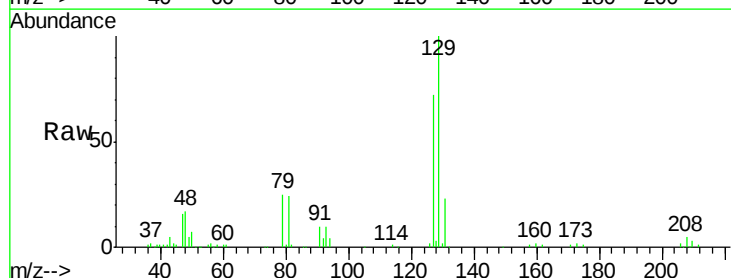
Manual Integrations
APPROVED

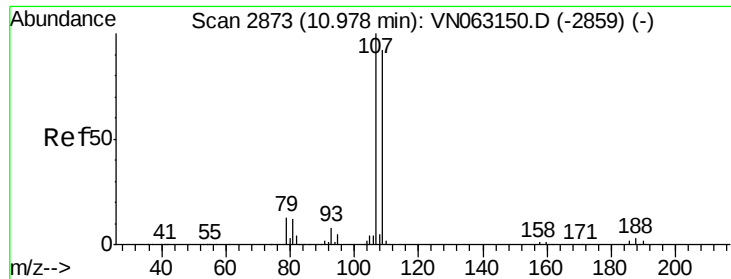
MMDadoda
9/4/2020 11:14:32 AM



#60
Dibromochloromethane
Concen: 19.538 ug/l
RT: 10.87 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN063212.D
Acq: 3 Sep 2020 12:00

Tgt Ion: 129 Resp: 97830
Ion Ratio Lower Upper
129 100
127 74.4 39.0 117.0





#61

1,2-Dibromoethane

Concen: 19.429 ug/l

RT: 10.98 min Scan# 2873

Delta R.T. 0.00 min

Lab File: VN063212.D

Acq: 3 Sep 2020 12:00

Instrument :

MSVOA_N

ClientSampleId :

VN0903WBSD01

Tot Ion: 107 Resp: 91471

Ion Ratio Lower Upper

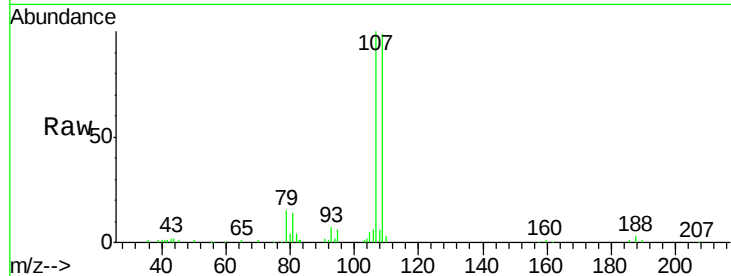
107 100

109 96.9 73.4 110.0

Manual Integrations
APPROVED

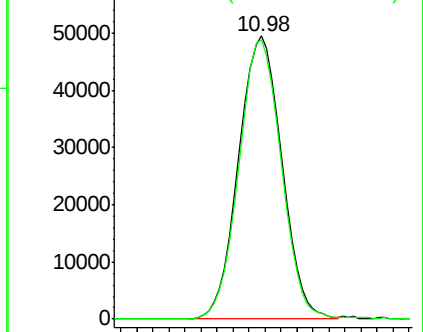
MMDadoda

9/4/2020 11:14:32 AM

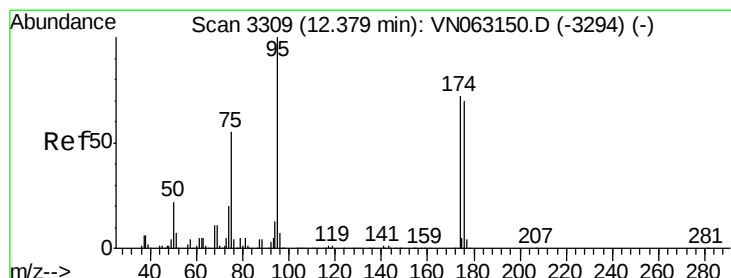
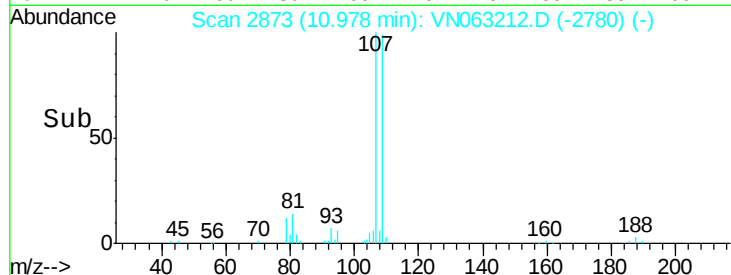


Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



Time-->



#62

4-Bromofluorobenzene

Concen: 48.173 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063212.D

Acq: 3 Sep 2020 12:00

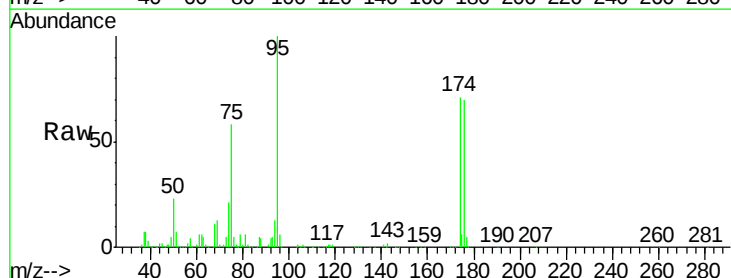
Tgt Ion: 95 Resp: 279620

Ion Ratio Lower Upper

95 100

174 71.2 0.0 143.8

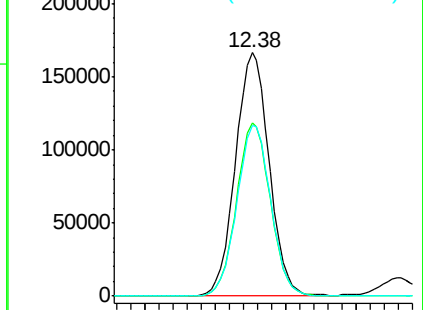
176 70.6 0.0 138.4



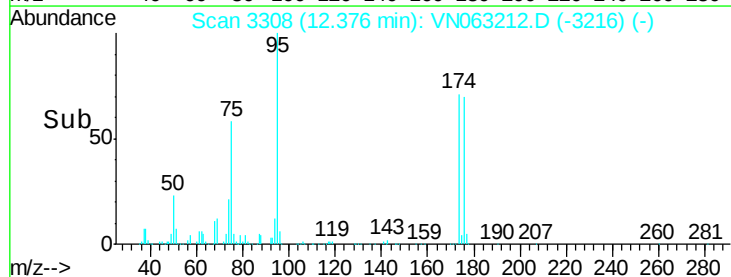
Abundance Ion 94.90 (94.60 to 95.60): V

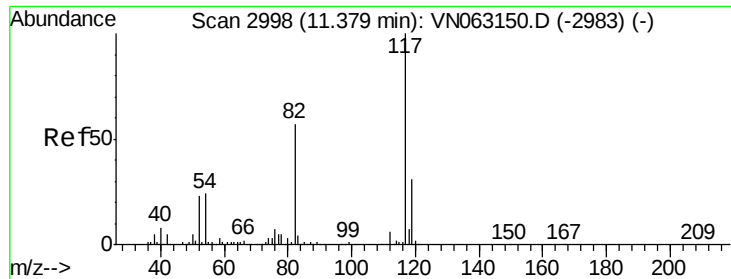
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->





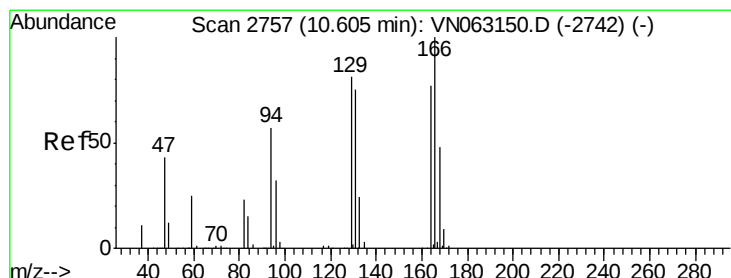
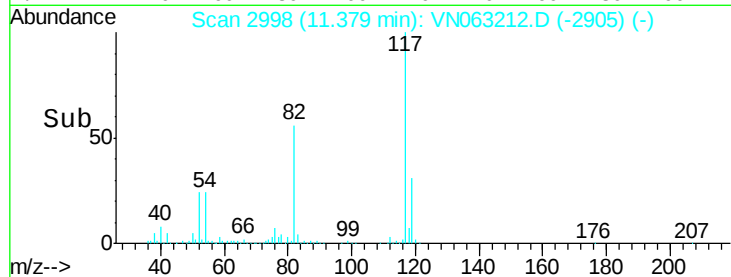
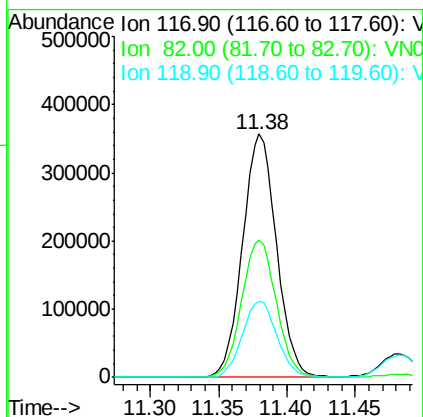
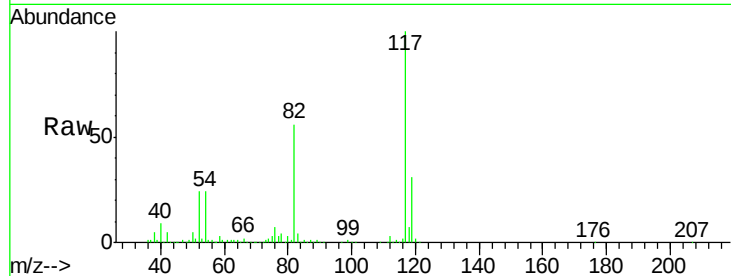
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063212.D
Acq: 3 Sep 2020 12:00

Instrument :
MSVOA_N
ClientSampleId :
VN0903WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	616060		
82	56.3	45.4	68.0	
119	31.4	24.6	37.0	

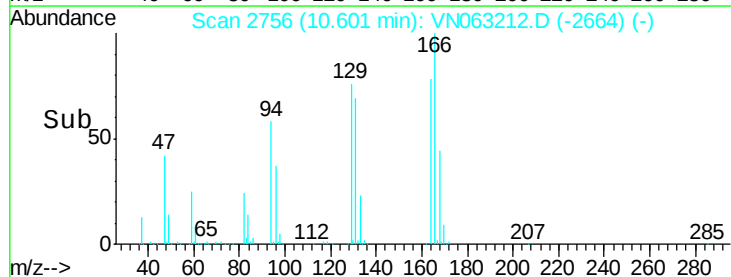
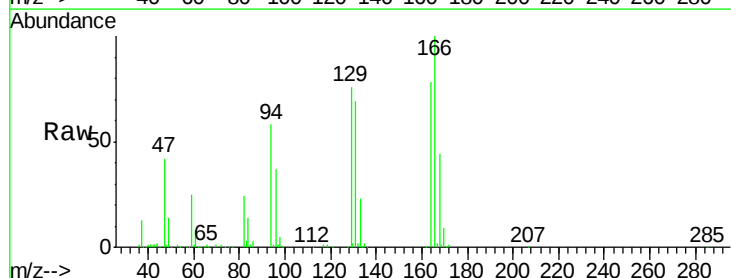
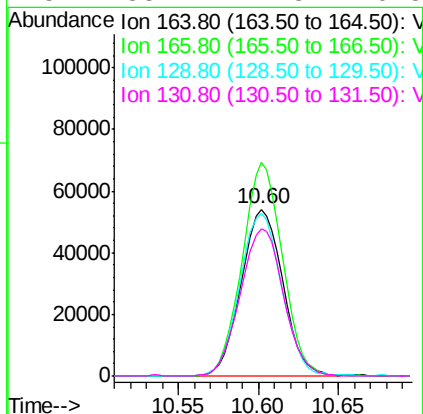
Manual Integrations
APPROVED

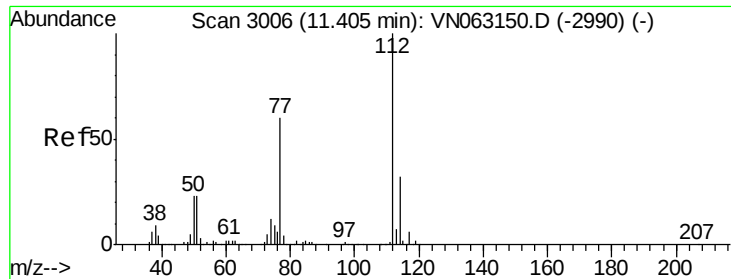
MMDadoda
9/4/2020 11:14:32 AM



#64
Tetrachloroethene
Concen: 21.776 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN063212.D
Acq: 3 Sep 2020 12:00

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	96335		
166	127.9	103.4	155.2	
129	97.3	83.4	125.0	
131	88.4	77.8	116.8	





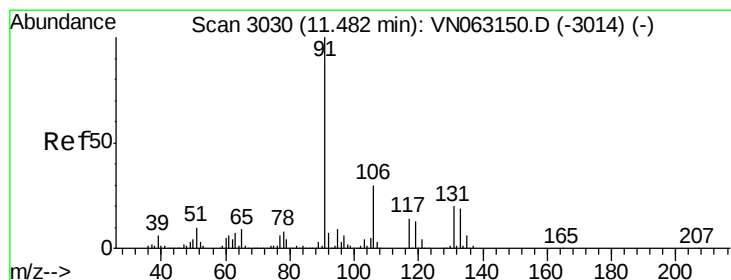
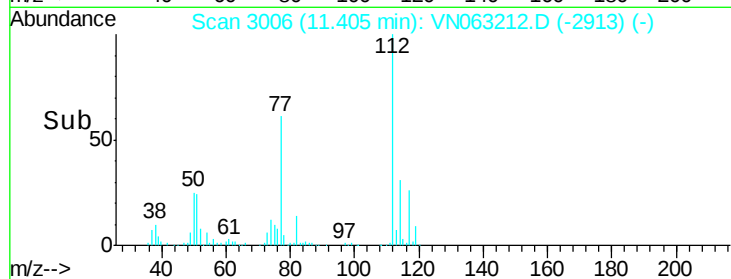
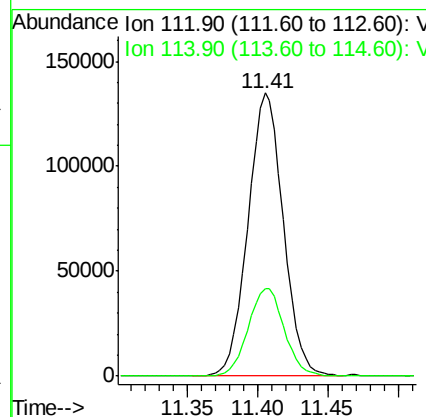
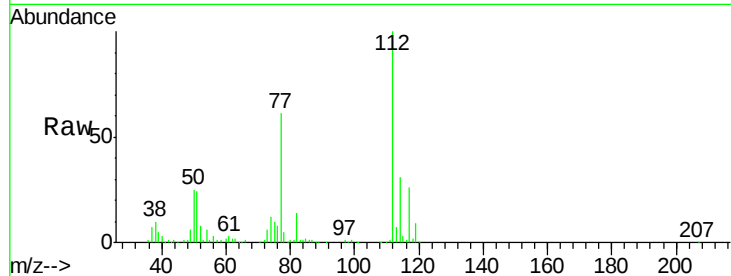
#65
Chlorobenzene
Concen: 19.052 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN063212.D
Acq: 3 Sep 2020 12:00

Instrument :
MSVOA_N
ClientSampleId :
VN0903WBSD01

Tot Ion:112 Resp: 236405
Ion Ratio Lower Upper
112 100
114 31.1 25.2 37.8

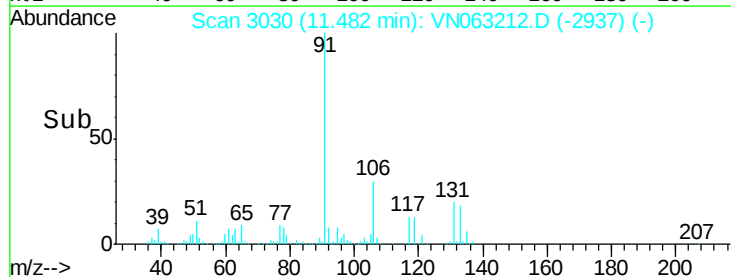
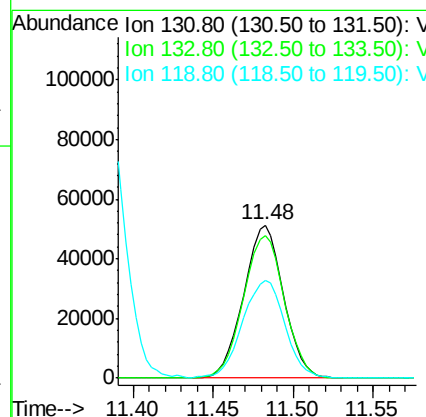
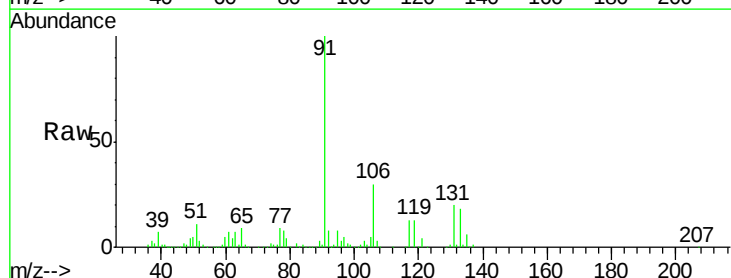
Manual Integrations
APPROVED

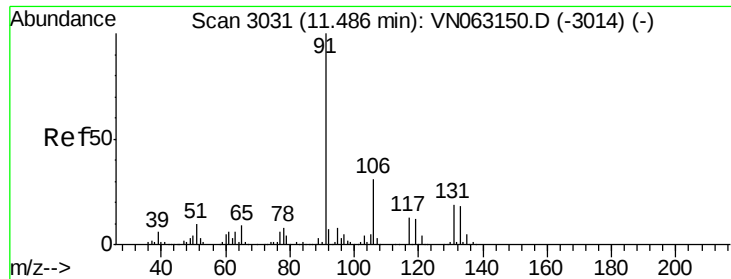
MMDadoda
9/4/2020 11:14:32 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 18.856 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN063212.D
Acq: 3 Sep 2020 12:00

Tgt Ion:131 Resp: 86868
Ion Ratio Lower Upper
131 100
133 96.7 47.3 142.0
119 68.0 32.4 97.0





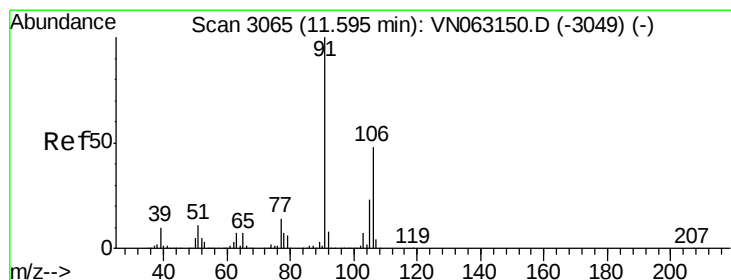
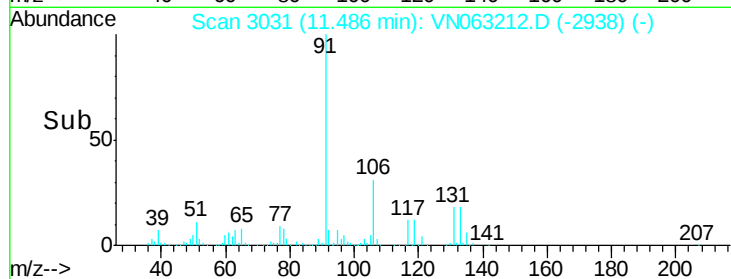
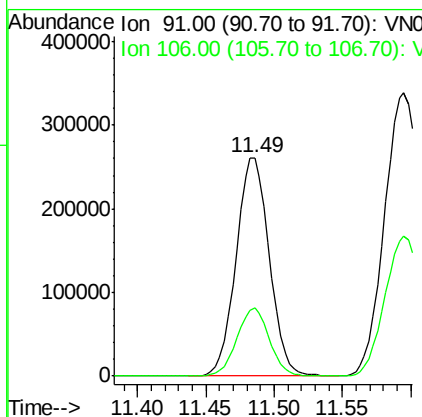
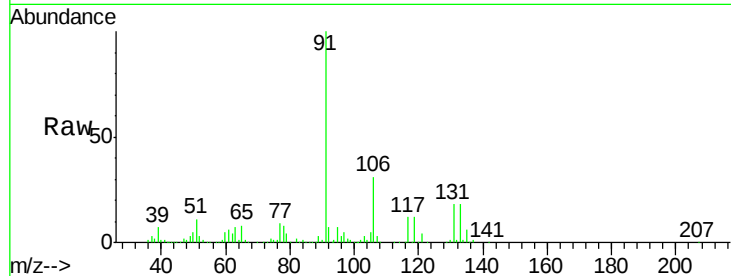
#67
Ethyl Benzene
Concen: 19.490 ug/l
RT: 11.49 min Scan# 3031
Delta R.T. 0.00 min
Lab File: VN063212.D
Acq: 3 Sep 2020 12:00

Instrument :
MSVOA_N
ClientSampled :
VN0903WBSD01

Tot Ion: 91 Resp: 441187
Ion Ratio Lower Upper
91 100
106 31.2 24.4 36.6

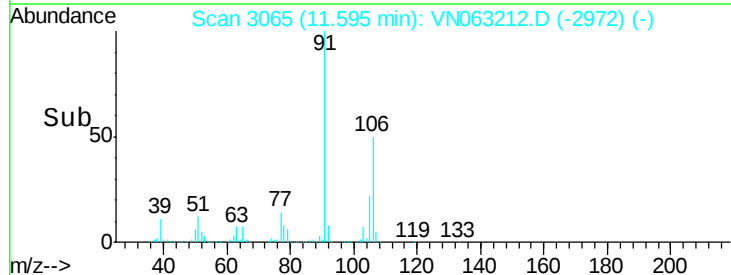
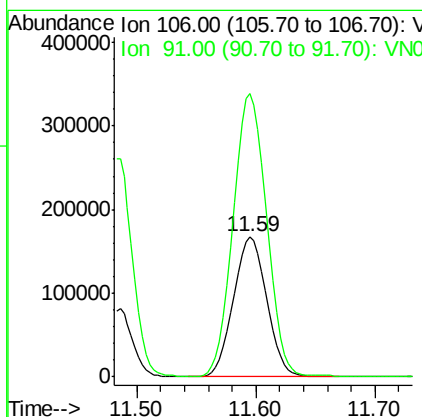
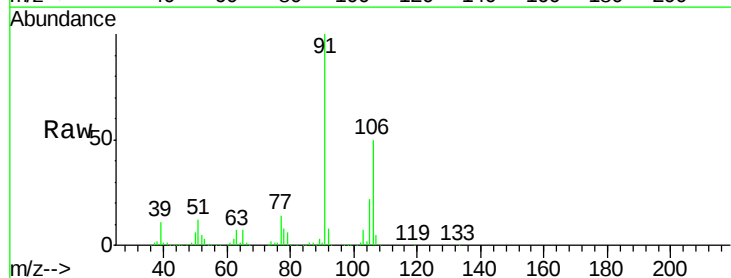
Manual Integrations
APPROVED

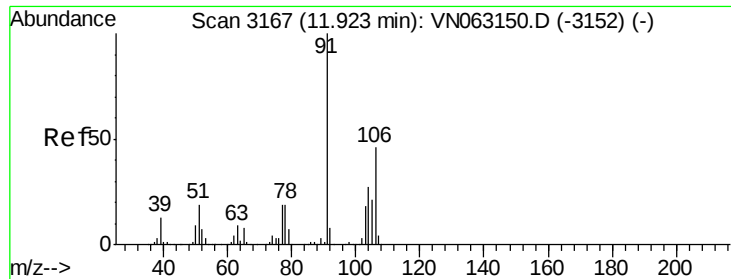
MMDadoda
9/4/2020 11:14:32 AM



#68
m/p-Xylenes
Concen: 38.599 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN063212.D
Acq: 3 Sep 2020 12:00

Tgt Ion: 106 Resp: 323604
Ion Ratio Lower Upper
106 100
91 203.1 166.7 250.1





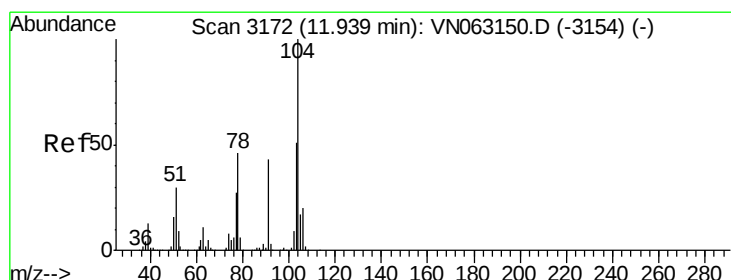
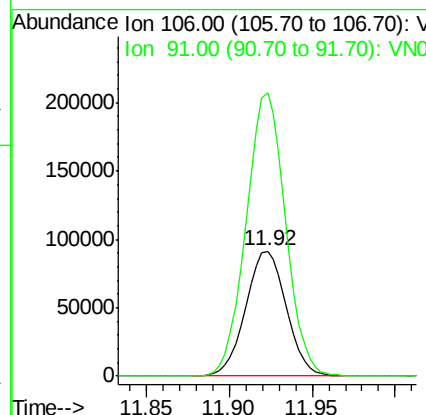
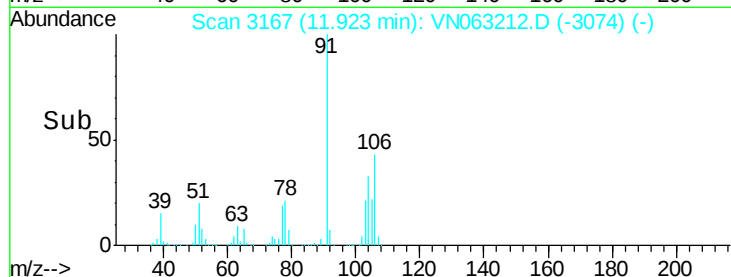
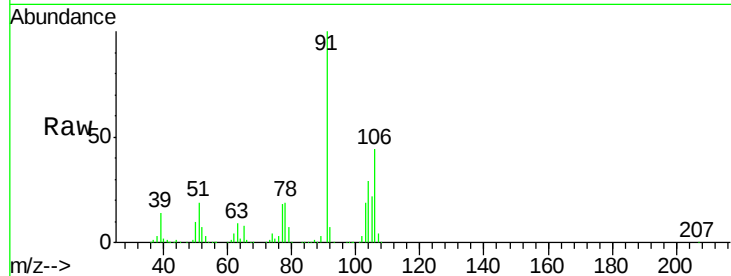
#69
o-Xylene
Concen: 19.242 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN063212.D
Acq: 3 Sep 2020 12:00

Instrument :
MSVOA_N
ClientSampleId :
VN0903WBSD01

Tot Ion:106 Resp: 155842
Ion Ratio Lower Upper
106 100
91 220.3 108.6 325.6

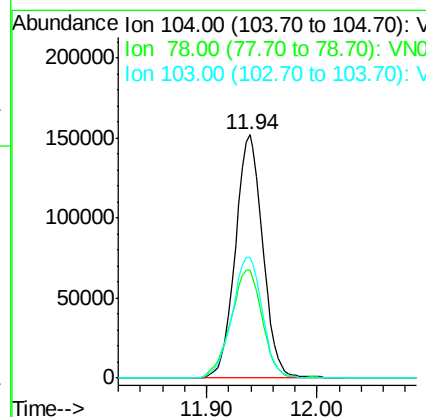
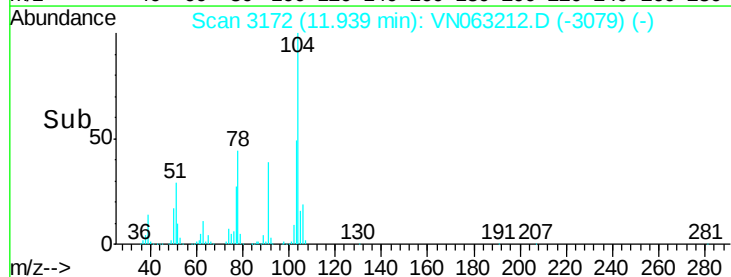
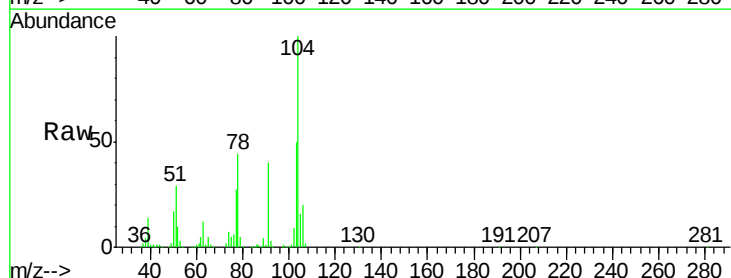
Manual Integrations
APPROVED

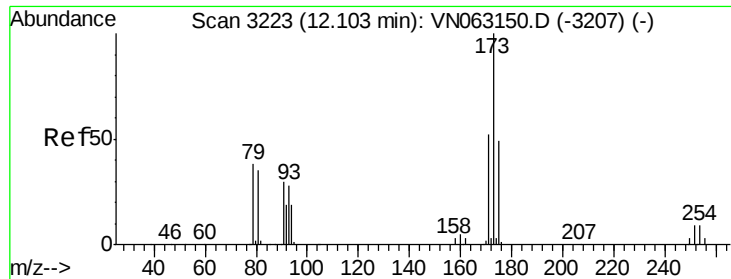
MMDadoda
9/4/2020 11:14:32 AM



#70
Styrene
Concen: 18.839 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. 0.00 min
Lab File: VN063212.D
Acq: 3 Sep 2020 12:00

Tgt Ion:104 Resp: 262215
Ion Ratio Lower Upper
104 100
78 51.0 41.0 61.6
103 54.9 43.8 65.8





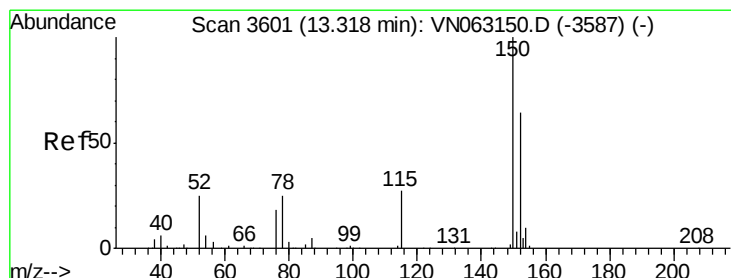
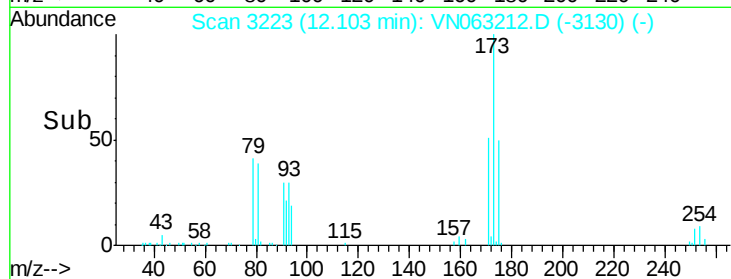
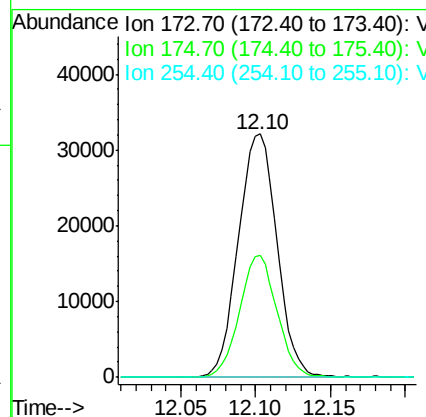
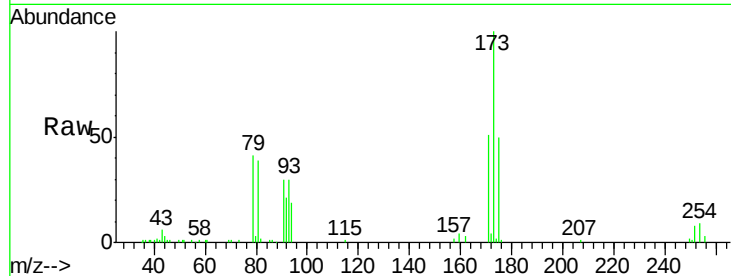
#71
Bromoform
Concen: 18.476 ug/l
RT: 12.10 min Scan# 3223
Delta R.T. 0.00 min
Lab File: VN063212.D
Acq: 3 Sep 2020 12:00

Instrument :
MSVOA_N
ClientSampleId :
VN0903WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.6	73.8
254	0.0	0.0	0.0

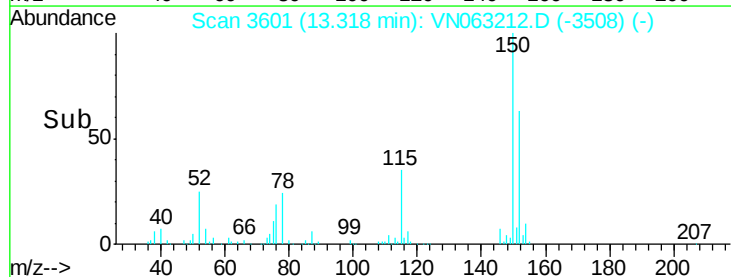
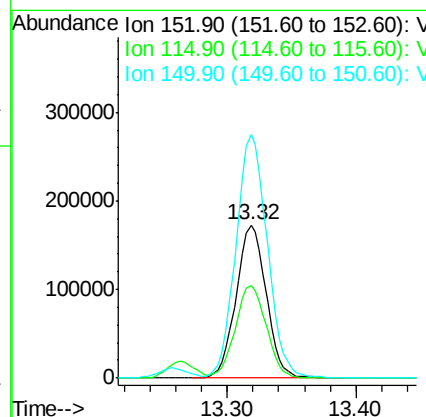
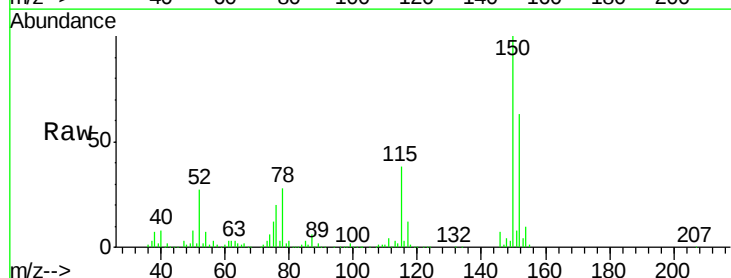
Manual Integrations
APPROVED

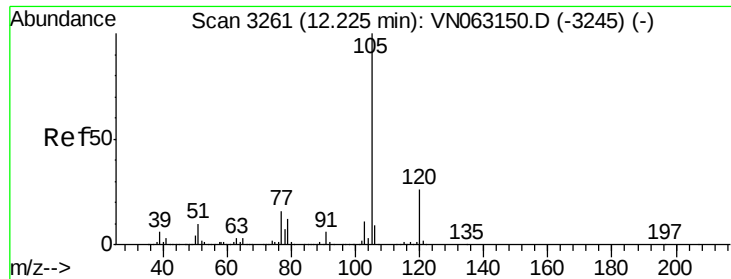
MMDadoda
9/4/2020 11:14:32 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN063212.D
Acq: 3 Sep 2020 12:00

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.0	32.0	96.2
150	165.4	0.0	353.0





#73

Isopropylbenzene

Concen: 19.537 ug/l

RT: 12.23 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN063212.D

Acq: 3 Sep 2020 12:00

Instrument :

MSVOA_N

ClientSampled :

VN0903WBSD01

Tot Ion: 105 Resp: 420183

Ion Ratio Lower Upper

105 100

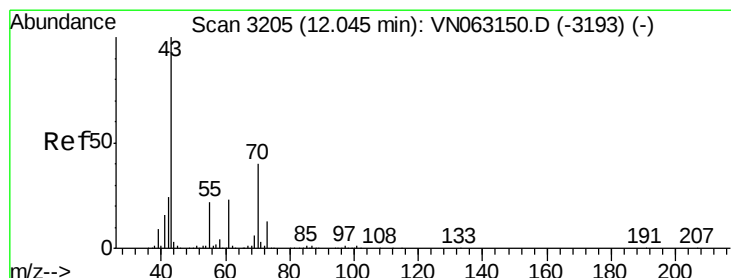
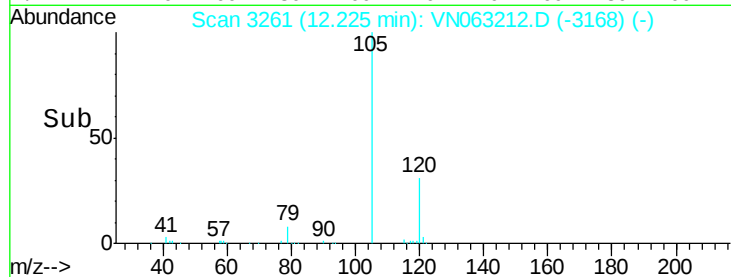
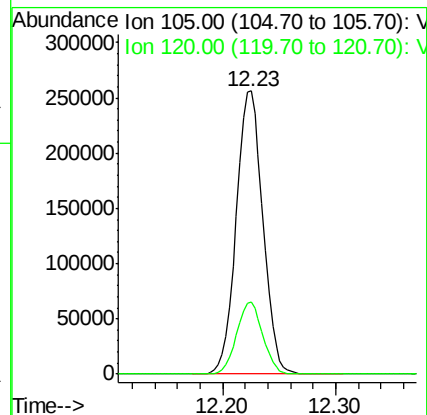
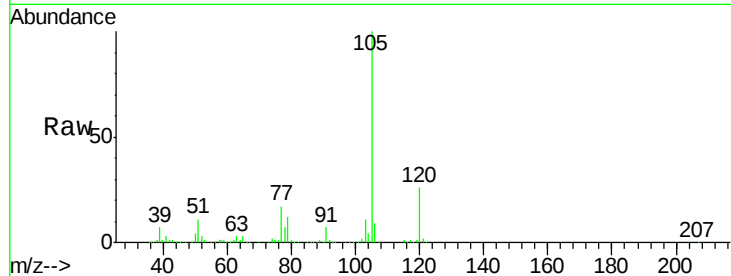
120 25.1 12.9 38.6

Manual Integrations

APPROVED

MMDadoda

9/4/2020 11:14:32 AM



#74

N-ethyl acetate

Concen: 18.696 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN063212.D

Acq: 3 Sep 2020 12:00

Tgt Ion: 43 Resp: 166555

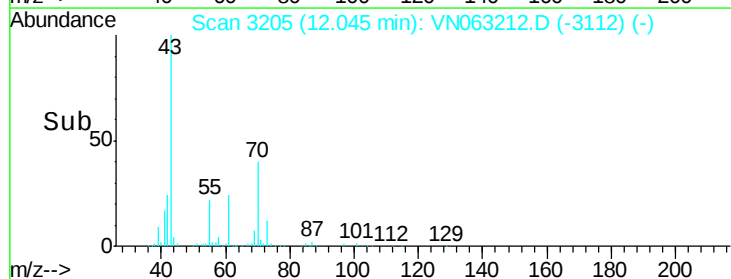
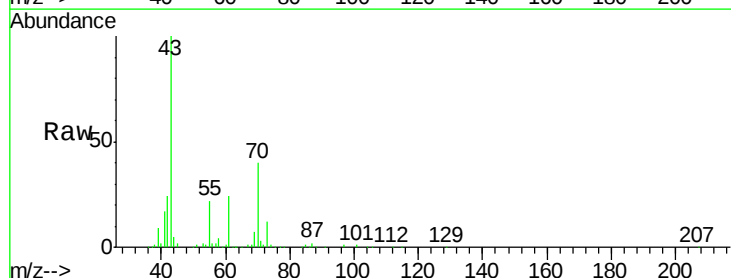
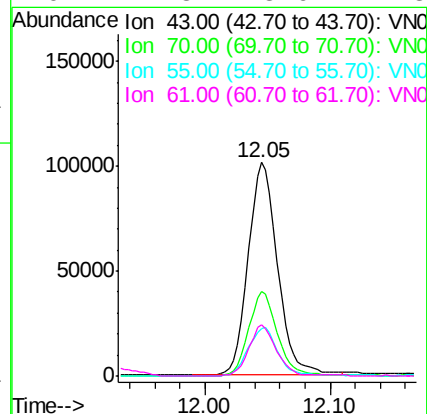
Ion Ratio Lower Upper

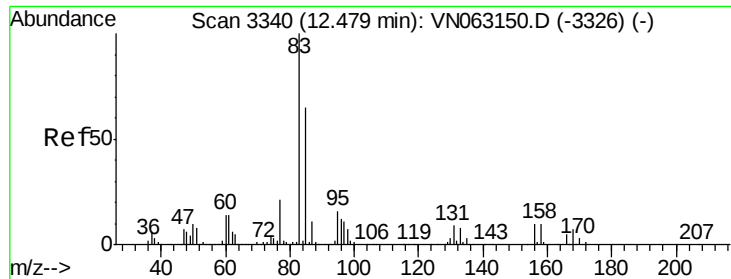
43 100

70 38.7 32.1 48.1

55 23.2 17.4 26.0

61 22.8 18.6 27.8





#75

1,1,2,2-Tetrachloroethane

Concen: 19.531 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN063212.D

Acq: 3 Sep 2020 12:00

Instrument :

MSVOA_N

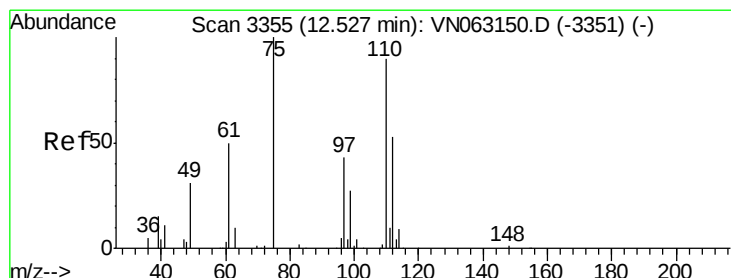
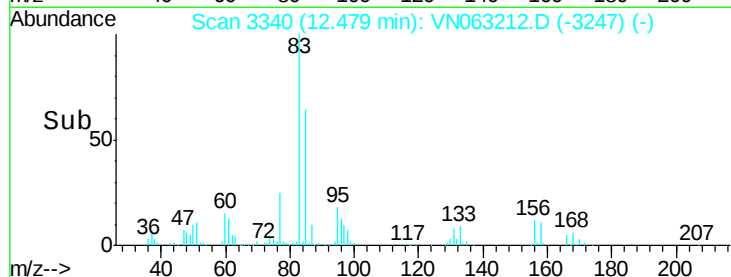
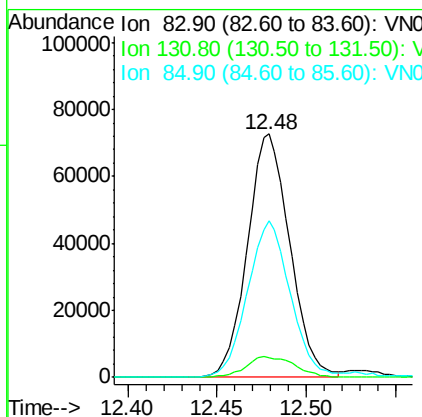
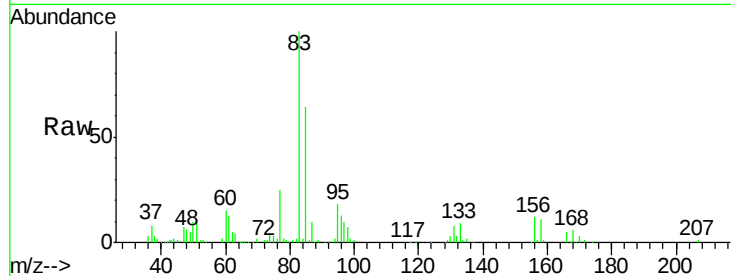
ClientSampleId :

VN0903WBSD01

Tot Ion:	83	Resp:	121101
Ion Ratio	Lower	Upper	
83	100		
131	9.8	4.7	14.0
85	64.5	32.7	98.1

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#76

1,2,3-Trichloropropane

Concen: 20.532 ug/l m

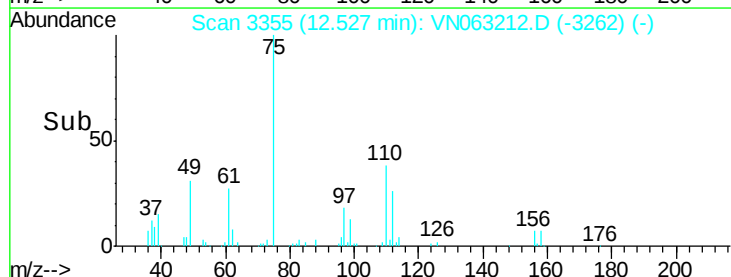
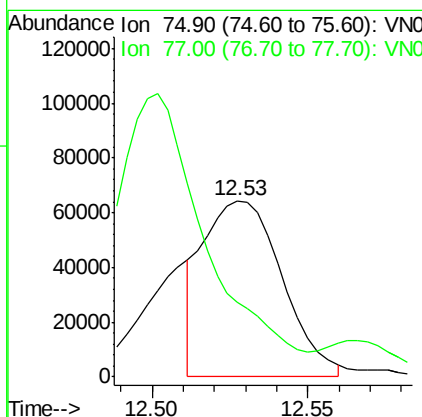
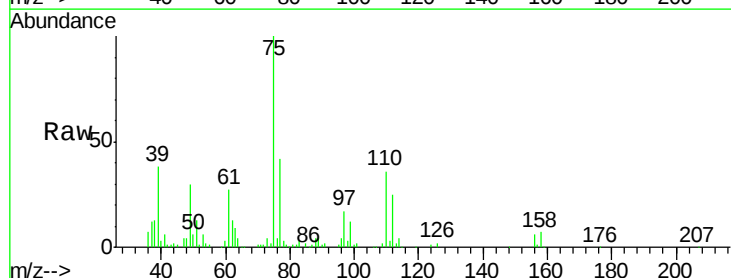
RT: 12.53 min Scan# 3355

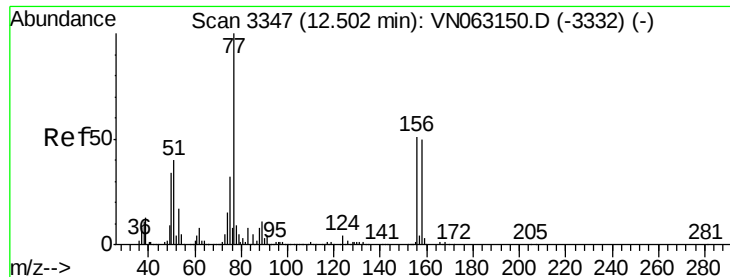
Delta R.T. 0.00 min

Lab File: VN063212.D

Acq: 3 Sep 2020 12:00

Tgt Ion:	75	Resp:	113117
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





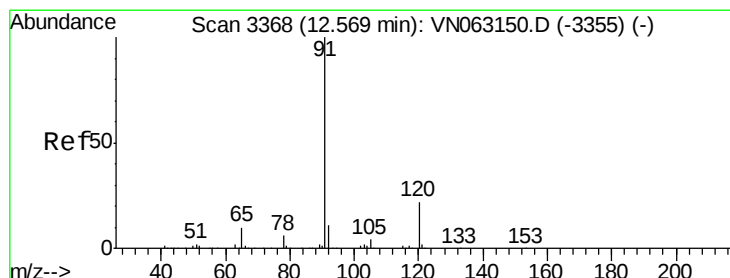
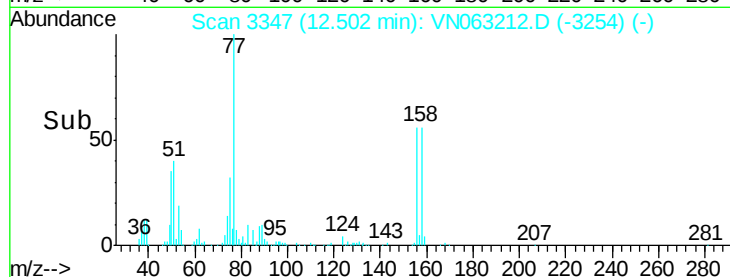
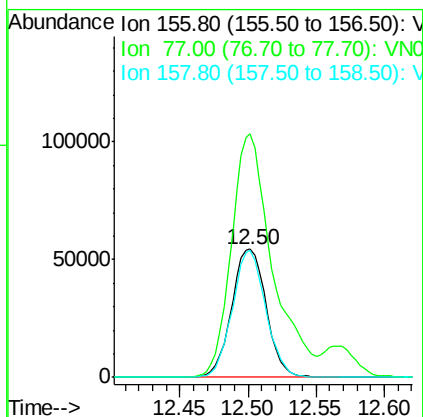
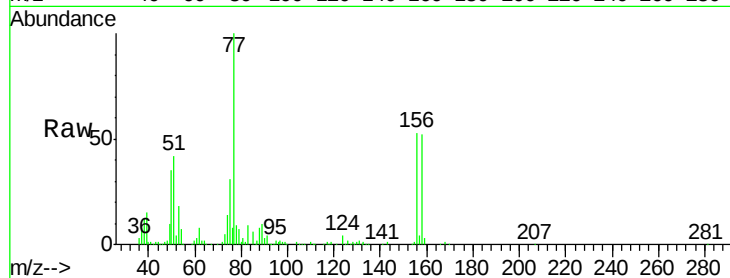
#77
Bromobenzene
Concen: 19.688 ug/l
RT: 12.50 min Scan# 3347
Delta R.T. 0.00 min
Lab File: VN063212.D
Acq: 3 Sep 2020 12:00

Instrument :
MSVOA_N
ClientSampleId :
VN0903WBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	224.3	116.1	348.3
158	95.6	48.8	146.4

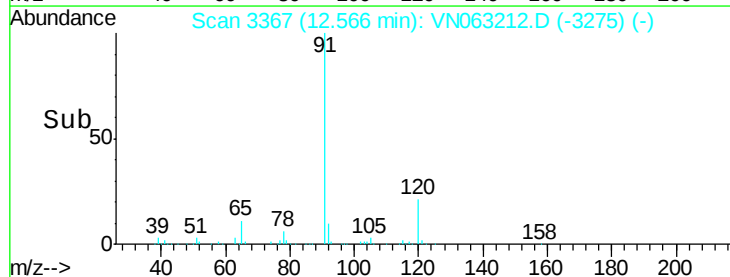
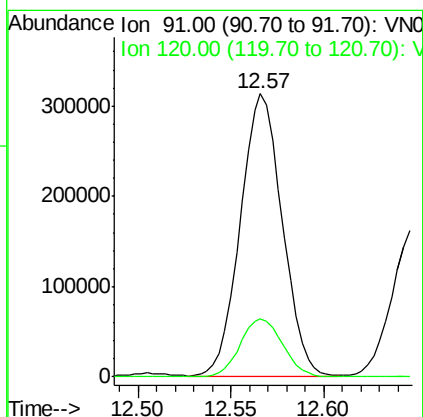
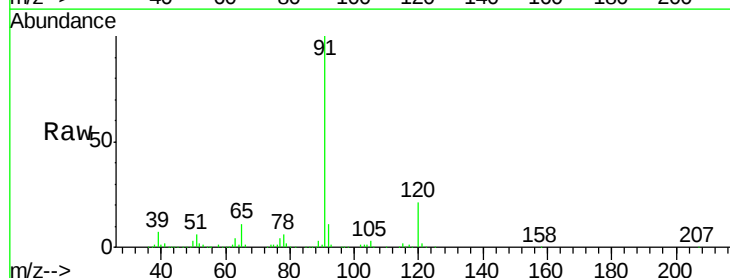
Manual Integrations
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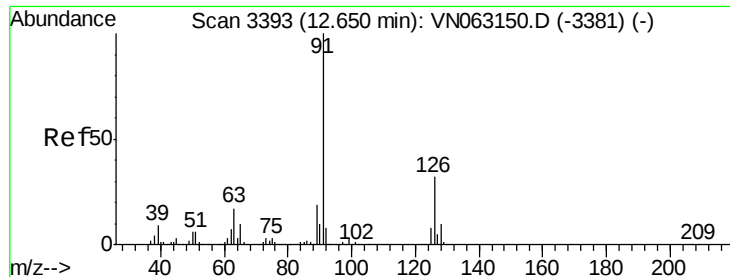
MMDadoda
9/4/2020 11:14:32 AM



#78
n-propylbenzene
Concen: 19.631 ug/l
RT: 12.57 min Scan# 3367
Delta R.T. -0.00 min
Lab File: VN063212.D
Acq: 3 Sep 2020 12:00

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.1	10.9	32.7





#79

2-Chlorotoluene

Concen: 18.929 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN063212.D

Acq: 3 Sep 2020 12:00

Instrument :

MSVOA_N

ClientSampled :

VN0903WBSD01

Tot Ion: 91 Resp: 282157

Ion Ratio Lower Upper

91 100

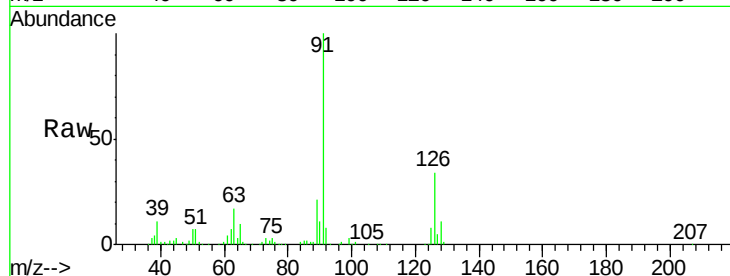
126 33.2 16.1 48.3

Manual Integrations

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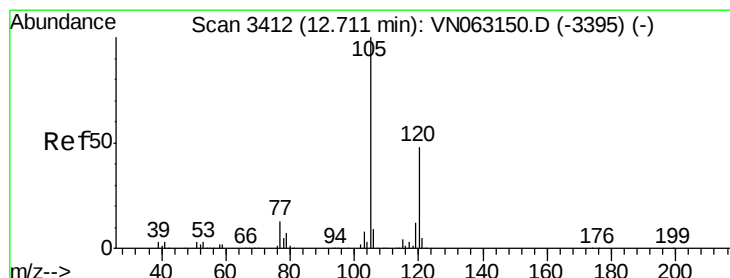
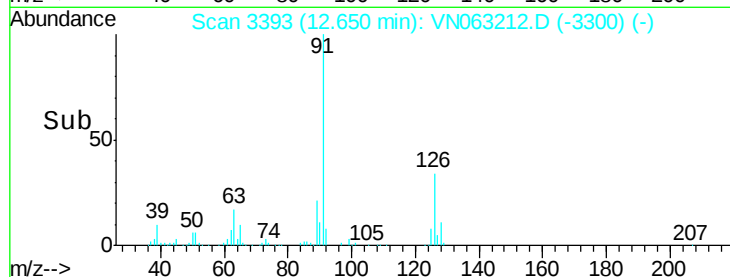
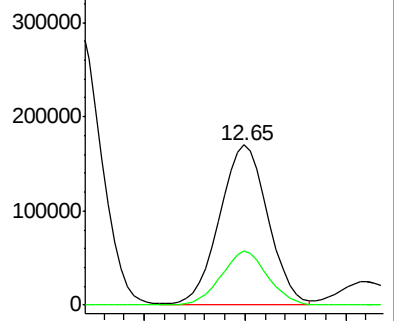
MMDadoda

9/4/2020 11:14:32 AM



Abundance Ion 91.00 (90.70 to 91.70): VN063212.D (-3393) (-)

Ion 125.90 (125.60 to 126.60): VN063212.D (-3393) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.712 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN063212.D

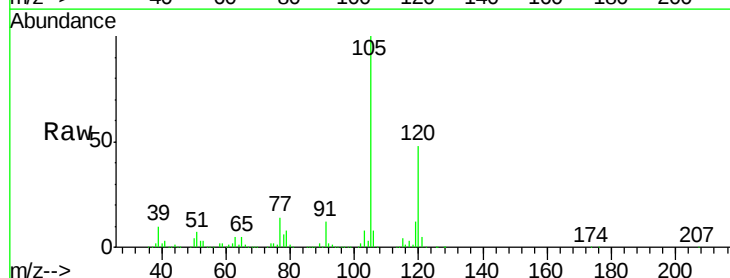
Acq: 3 Sep 2020 12:00

Tgt Ion: 105 Resp: 352867

Ion Ratio Lower Upper

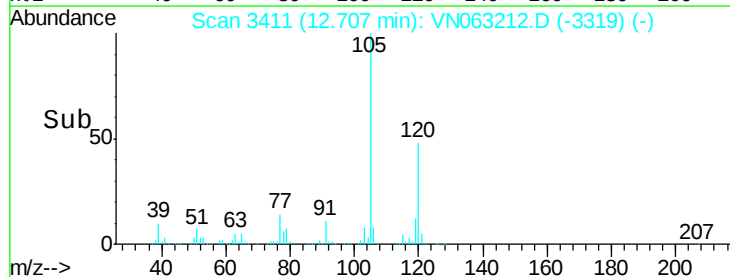
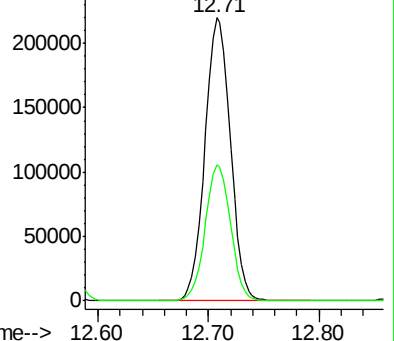
105 100

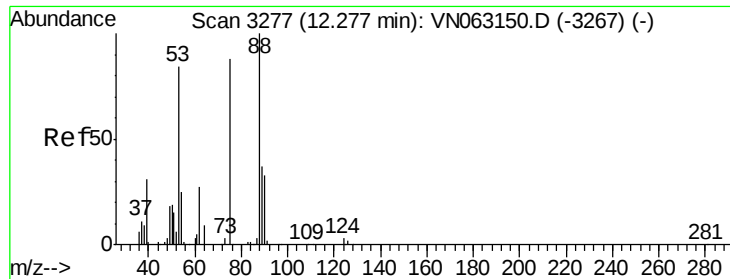
120 47.8 24.2 72.6



Abundance Ion 105.00 (104.70 to 105.70): VN063212.D (-3395) (-)

Ion 120.00 (119.70 to 120.70): VN063212.D (-3395) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 17.963 ug/l

RT: 12.28 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN063212.D

Acq: 3 Sep 2020 12:00

Instrument :

MSVOA_N

ClientSampleId :

VN0903WBSD01

Tot Ion: 75 Resp: 40946

Ion Ratio Lower Upper

75 100

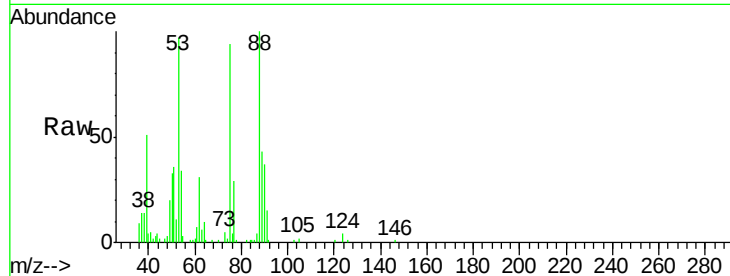
53 100.7 78.7 118.1

89 43.0 35.3 52.9

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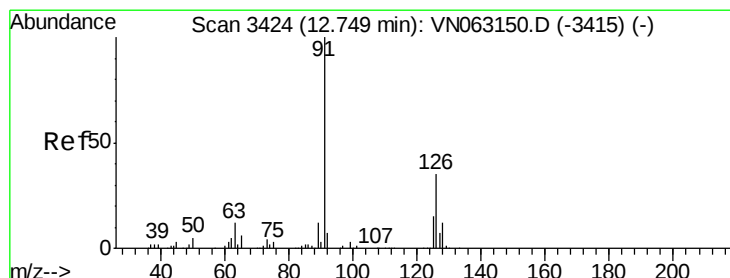
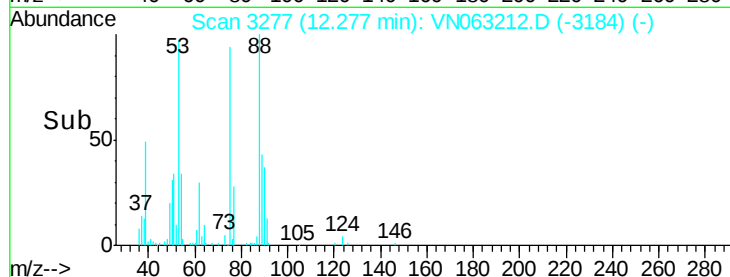
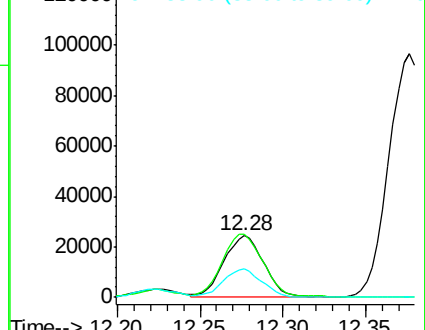
9/4/2020 11:14:32 AM



Abundance Ion 74.90 (74.60 to 75.60): VN063212.D (-3184) (-)

Ion 53.00 (52.70 to 53.70): VN063212.D (-3184) (-)

Ion 88.90 (88.60 to 89.60): VN063212.D (-3184) (-)



#82

4-Chlorotoluene

Concen: 19.276 ug/l

RT: 12.75 min Scan# 3424

Delta R.T. 0.00 min

Lab File: VN063212.D

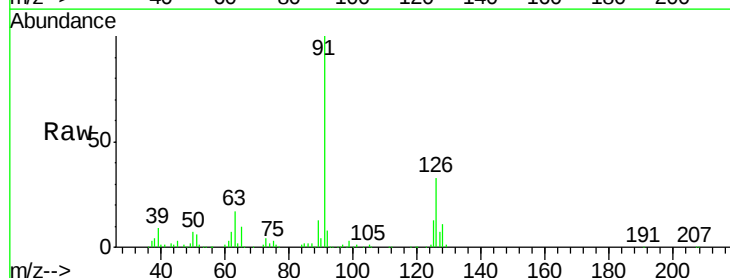
Acq: 3 Sep 2020 12:00

Tgt Ion: 91 Resp: 297994

Ion Ratio Lower Upper

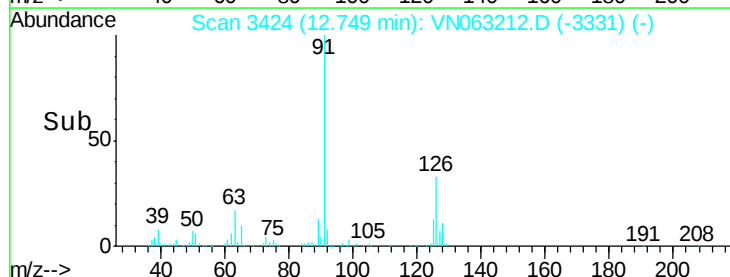
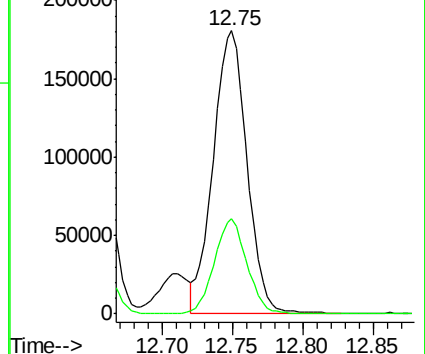
91 100

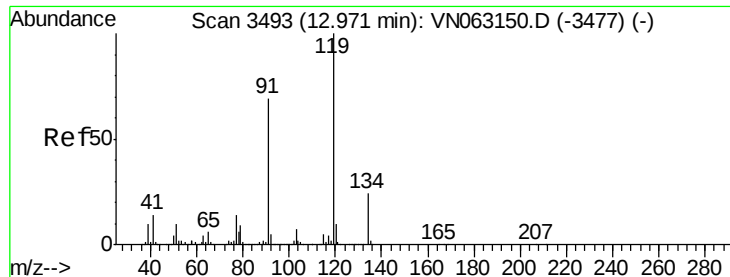
126 32.1 16.2 48.5



Abundance Ion 91.00 (90.70 to 91.70): VN063212.D (-3331) (-)

Ion 125.90 (125.60 to 126.60): VN063212.D (-3331) (-)





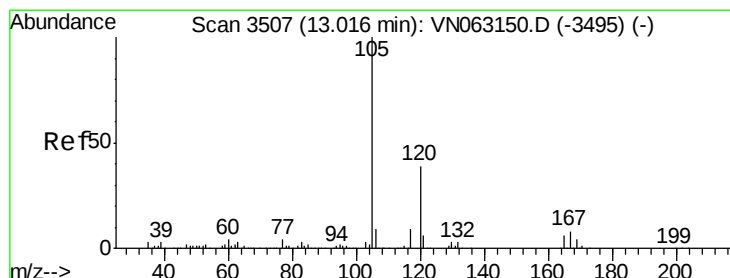
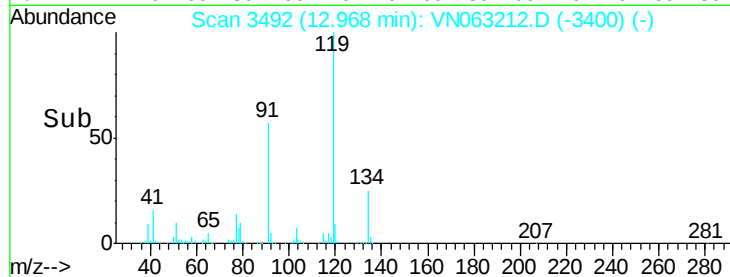
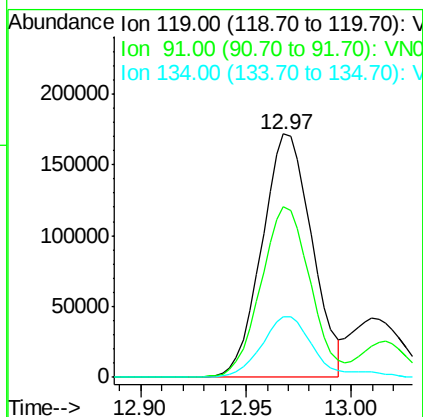
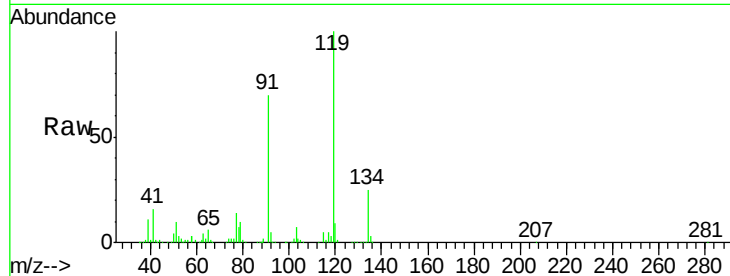
#83
tert-Butylbenzene
Concen: 18.466 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. -0.00 min
Lab File: VN063212.D
Acq: 3 Sep 2020 12:00

Instrument :
MSVOA_N
ClientSampleId :
VN0903WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.4	33.7	101.0
134	26.6	12.0	36.0

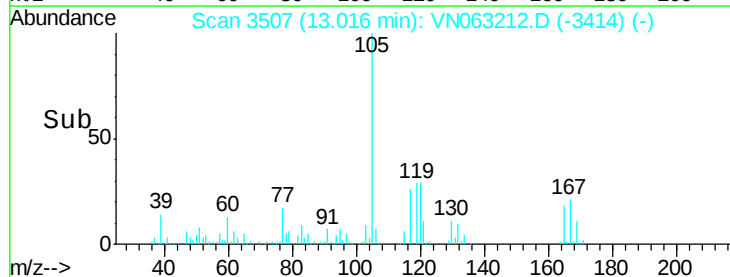
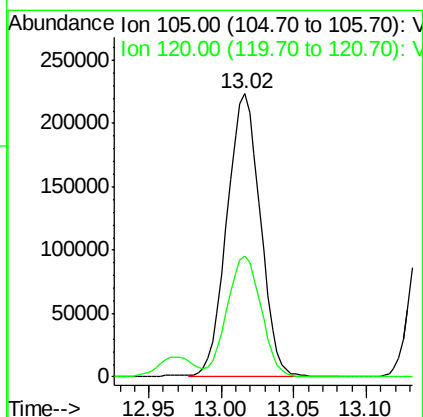
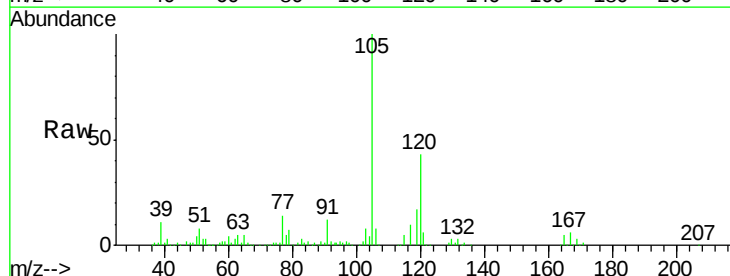
Manual Integrations
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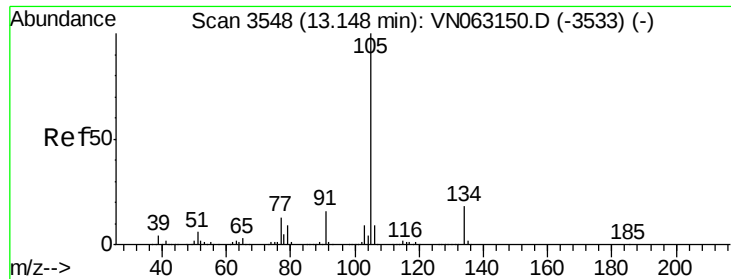
MMDadoda
9/4/2020 11:14:32 AM



#84
1,2,4-Trimethylbenzene
Concen: 19.698 ug/l
RT: 13.02 min Scan# 3507
Delta R.T. 0.00 min
Lab File: VN063212.D
Acq: 3 Sep 2020 12:00

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.8	22.6	67.7





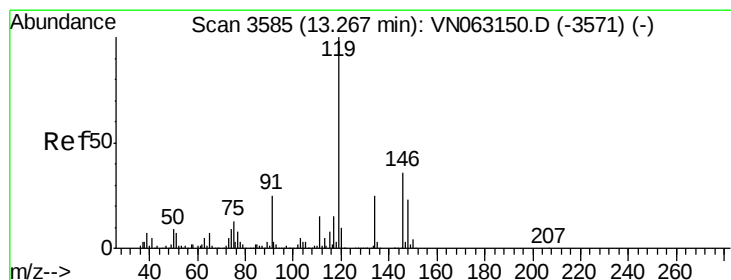
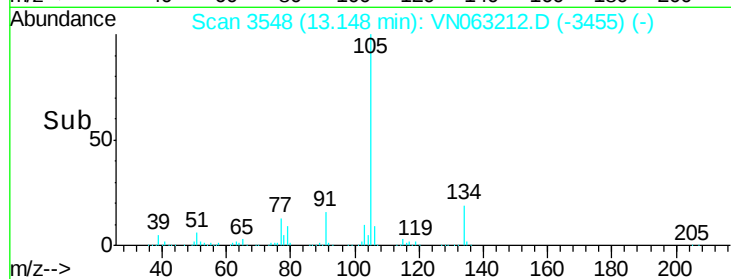
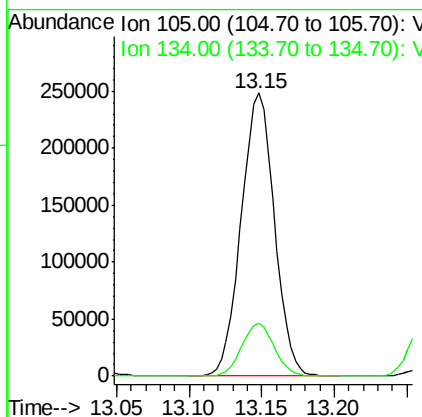
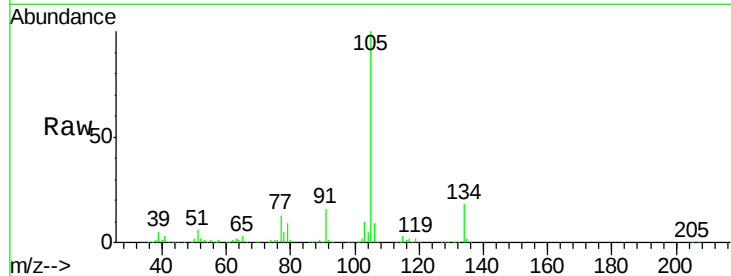
#85
 sec-Butylbenzene
 Concen: 19.726 ug/l
 RT: 13.15 min Scan# 3548
 Delta R.T. 0.00 min
 Lab File: VN063212.D
 Acq: 3 Sep 2020 12:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0903WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.3	9.4	28.3

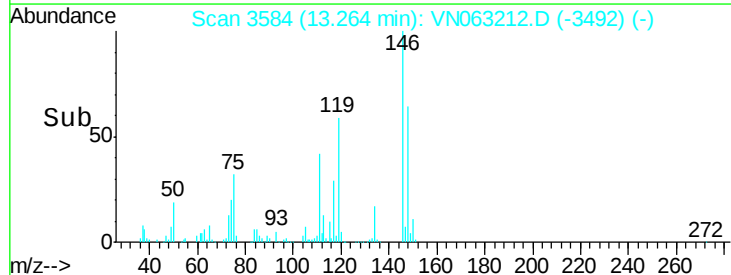
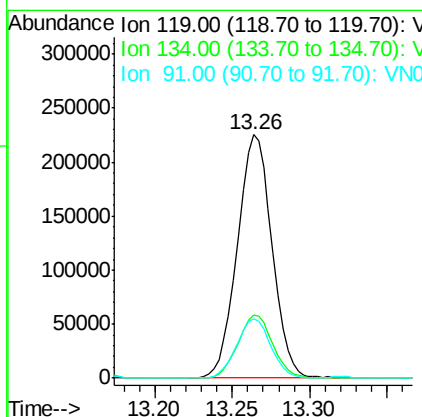
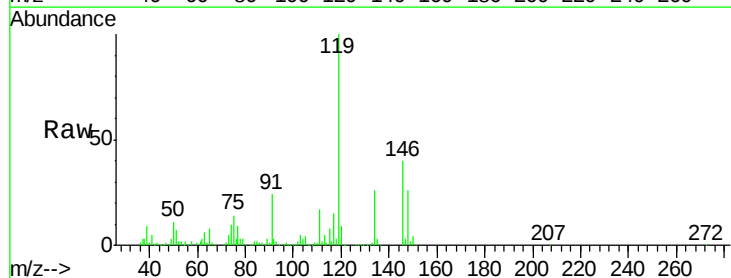
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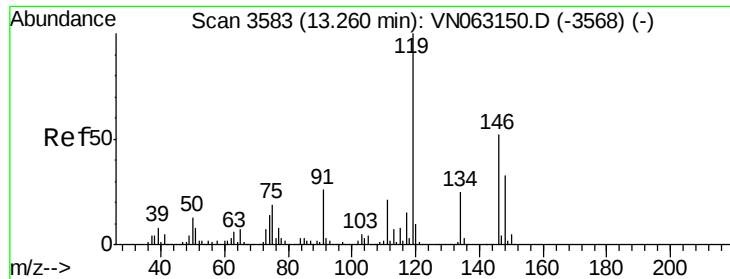
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 9/4/2020 11:14:32 AM



#86
 p-Isopropyltoluene
 Concen: 19.662 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. -0.00 min
 Lab File: VN063212.D
 Acq: 3 Sep 2020 12:00

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.4	12.4	37.4
91	23.9	12.2	36.6





#87

1,3-Dichlorobenzene

Concen: 19.535 ug/l

RT: 13.26 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN063212.D

Acq: 3 Sep 2020 12:00

Instrument :

MSVOA_N

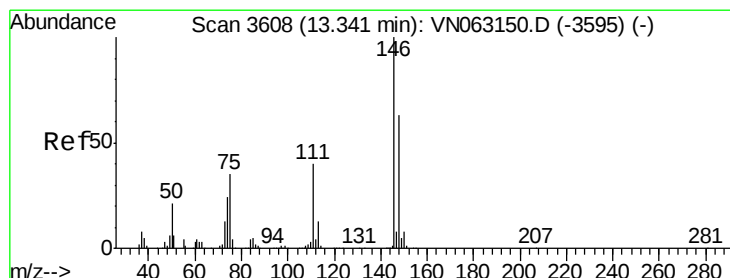
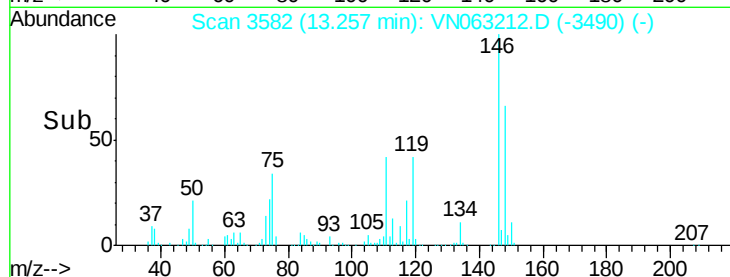
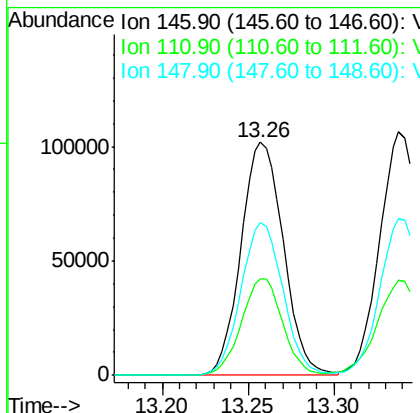
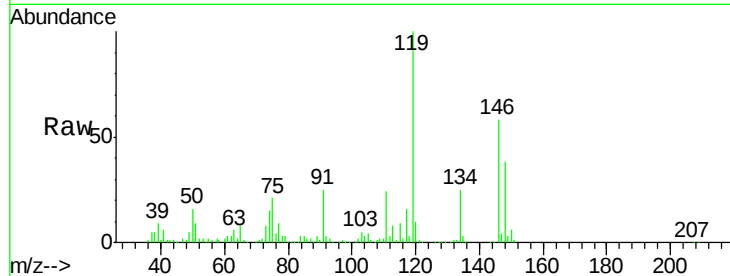
ClientSampleId :

VN0903WBSD01

Tot Ion:	146	Resp:	174548
Ion Ratio	Lower	Upper	
146	100		
111	40.3	21.3	63.7
148	64.8	31.9	95.9

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 19.059 ug/l

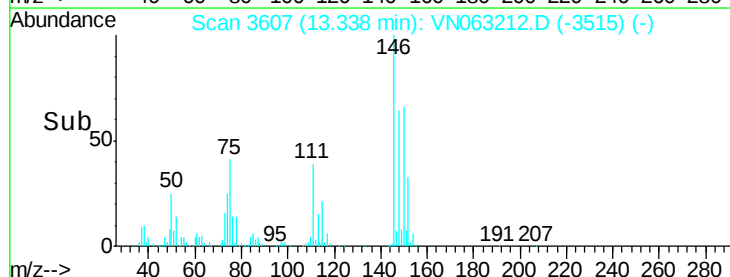
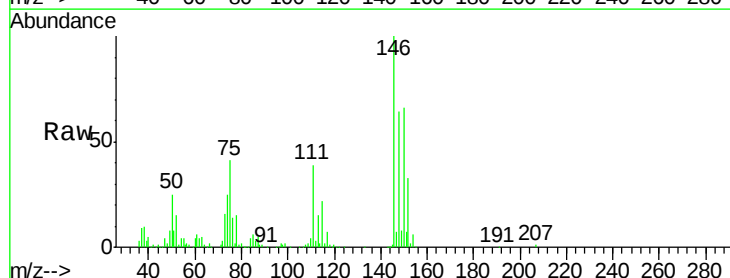
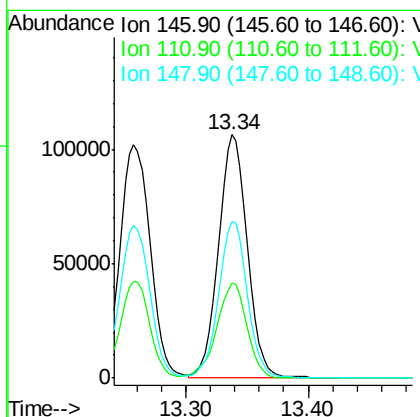
RT: 13.34 min Scan# 3607

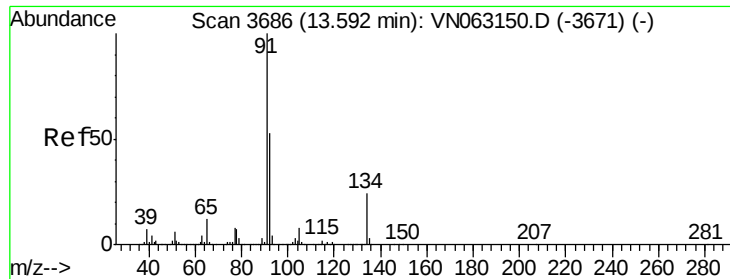
Delta R.T. -0.00 min

Lab File: VN063212.D

Acq: 3 Sep 2020 12:00

Tgt Ion:	146	Resp:	176333
Ion Ratio	Lower	Upper	
146	100		
111	40.7	20.5	61.5
148	64.3	31.9	95.7





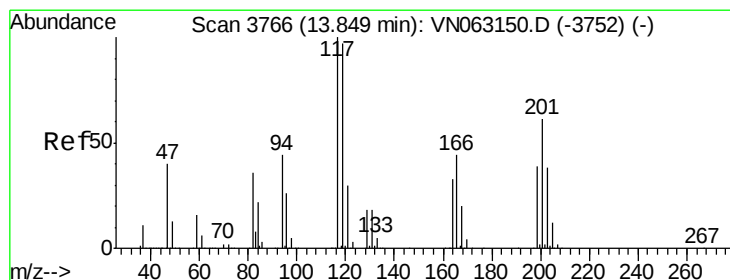
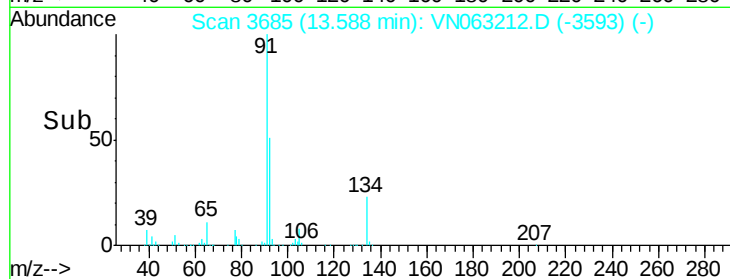
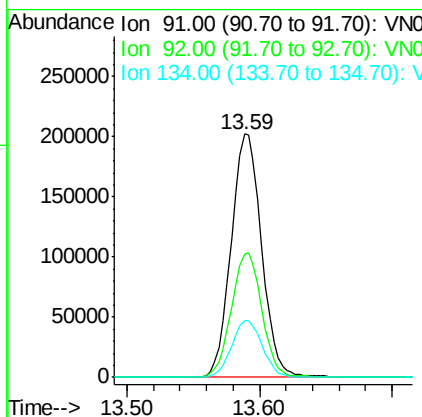
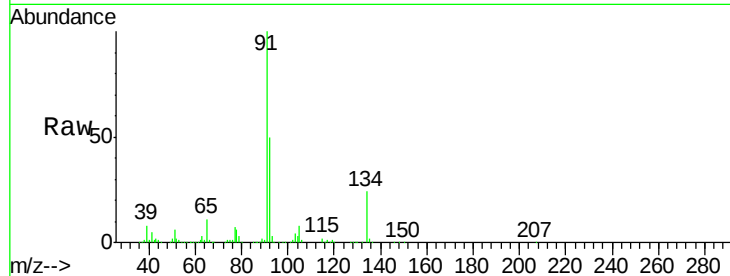
#89
n-Butylbenzene
Concen: 19.630 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN063212.D
Acq: 3 Sep 2020 12:00

Instrument :
MSVOA_N
ClientSampleId :
VN0903WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.5	26.3	78.8
134	23.6	12.0	36.0

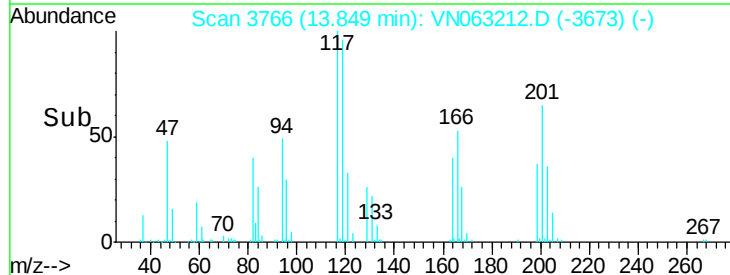
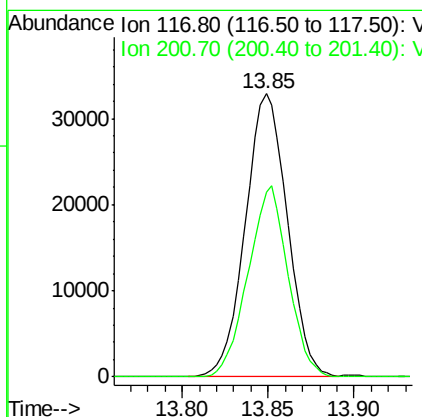
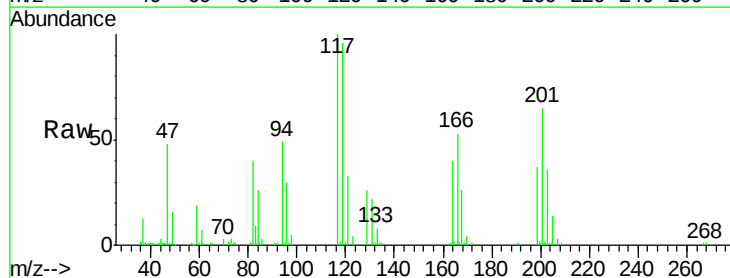
Manual Integrations
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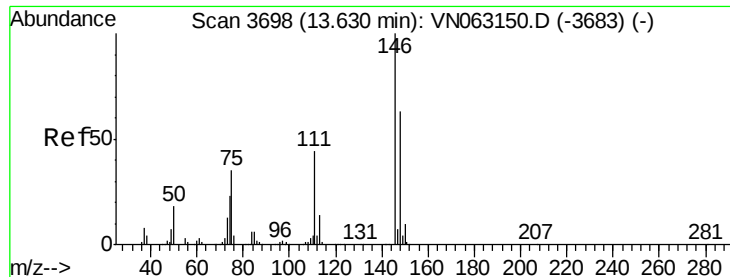
MMDadoda
9/4/2020 11:14:32 AM



#90
Hexachloroethane
Concen: 16.932 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN063212.D
Acq: 3 Sep 2020 12:00

Tgt Ion	Ratio	Lower	Upper
117	100		
201	63.9	30.6	92.0





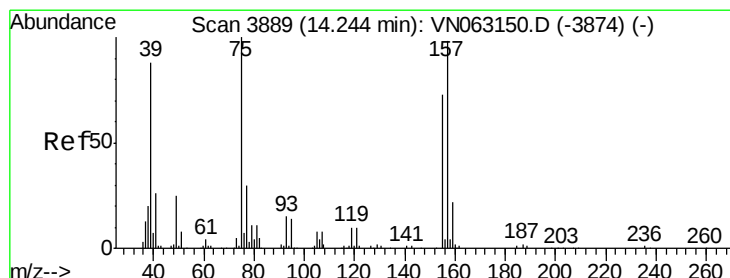
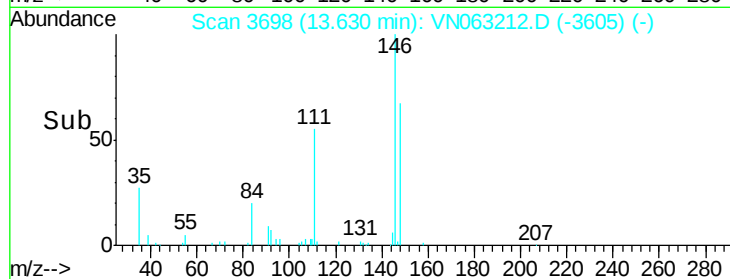
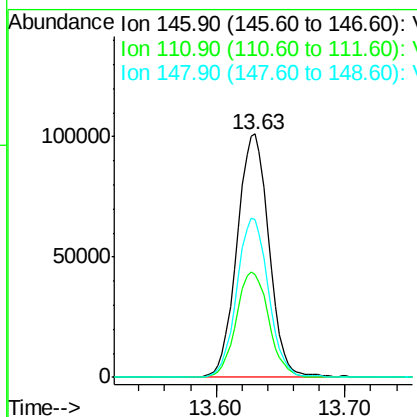
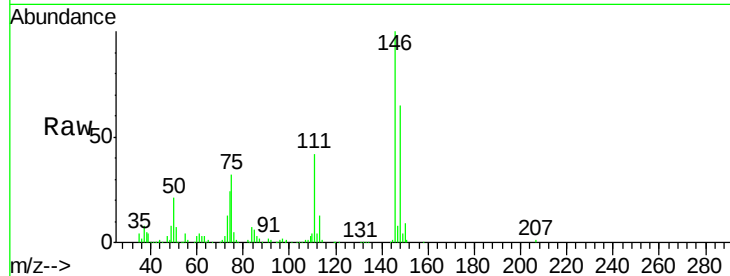
#91
 1,2-Dichlorobenzene
 Concen: 20.109 ug/l
 RT: 13.63 min Scan# 3698
 Delta R.T. 0.00 min
 Lab File: VN063212.D
 Acq: 3 Sep 2020 12:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0903WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	174363		
111	44.1	22.0	66.0	
148	64.7	31.6	95.0	

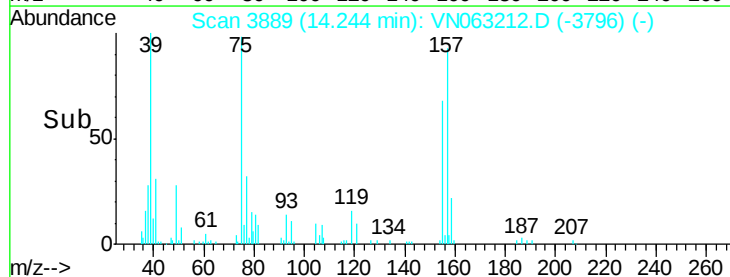
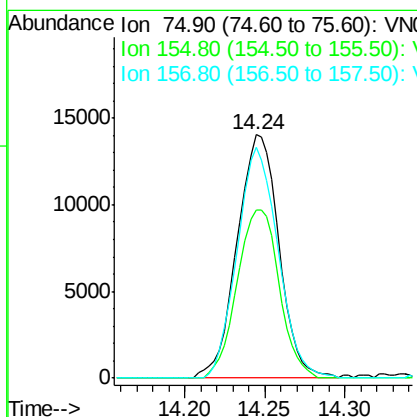
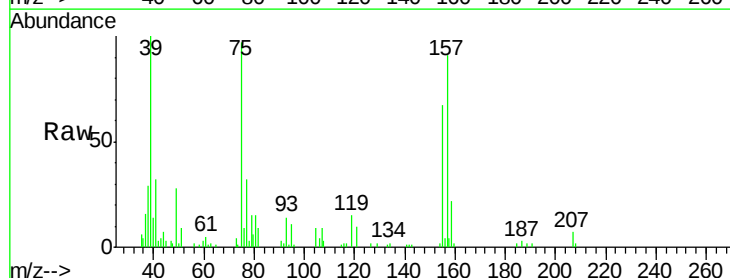
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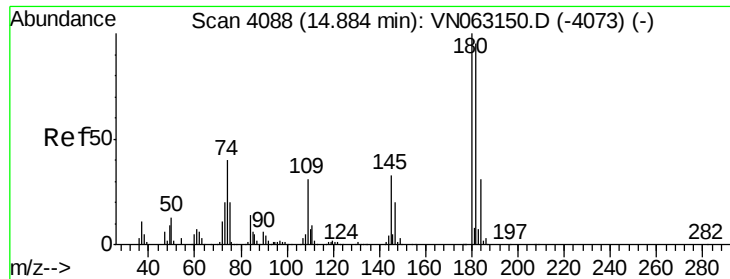
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.407 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN063212.D
 Acq: 3 Sep 2020 12:00

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	25092		
155	69.3	36.1	108.5	
157	92.7	48.4	145.0	





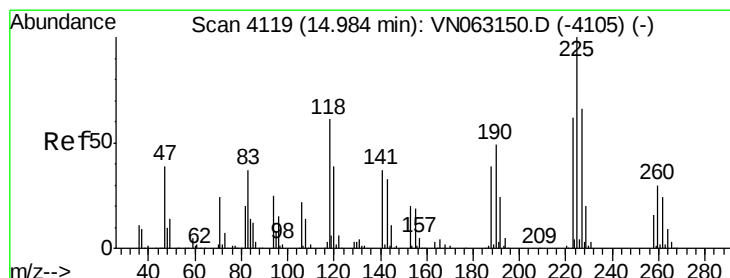
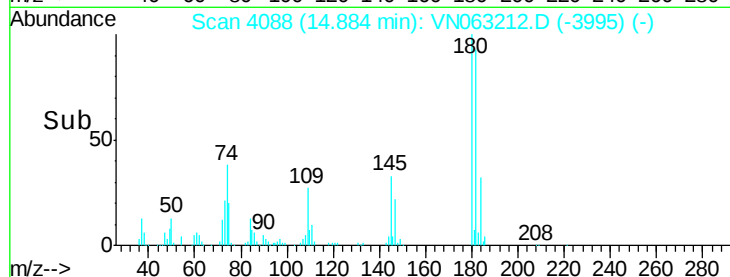
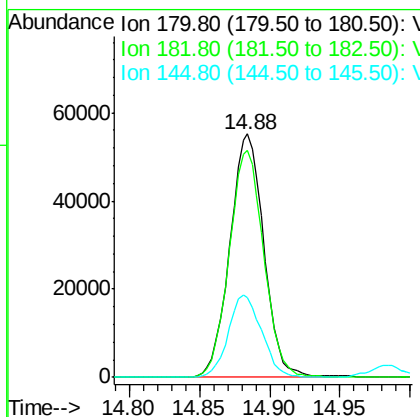
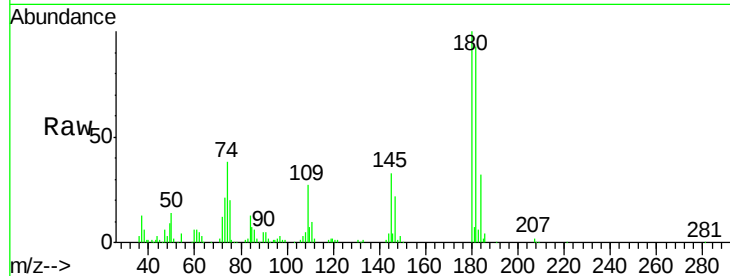
#93
 1,2,4-Trichlorobenzene
 Concen: 19.190 ug/l
 RT: 14.88 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN063212.D
 Acq: 3 Sep 2020 12:00

Instrument :
 MSVOA_N
 ClientSampled :
 VN0903WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	92963		
182	94.8	47.5	142.5	
145	33.3	16.6	49.8	

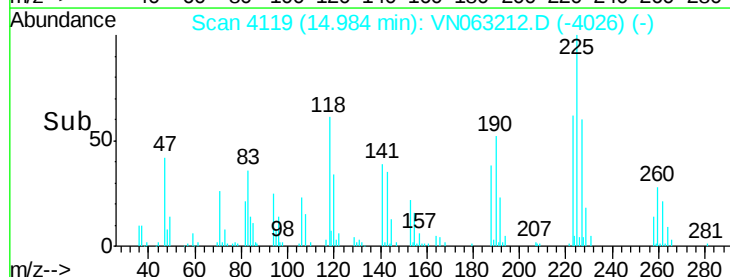
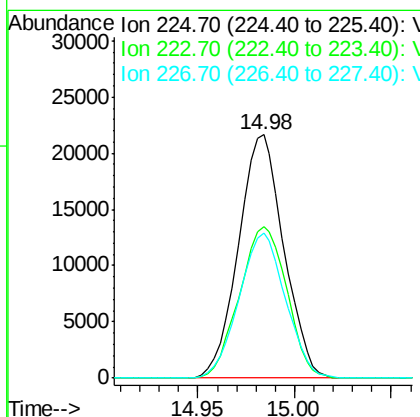
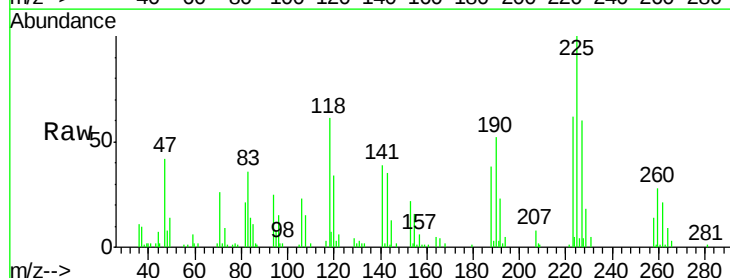
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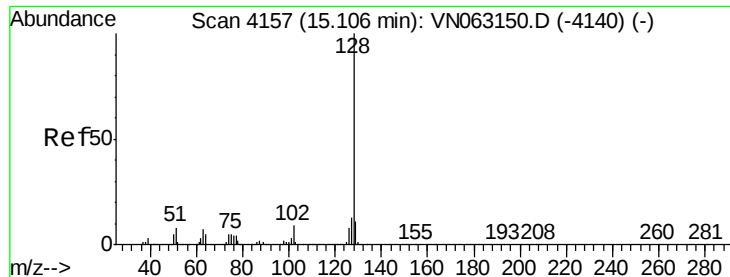
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 9/4/2020 11:14:32 AM



#94
 Hexachlorobutadiene
 Concen: 19.484 ug/l
 RT: 14.98 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN063212.D
 Acq: 3 Sep 2020 12:00

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	35261		
223	64.9	30.9	92.7	
227	61.0	32.9	98.7	





#95

Naphthalene

Concen: 18.263 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. -0.00 min

Lab File: VN063212.D

Acq: 3 Sep 2020 12:00

Instrument :

MSVOA_N

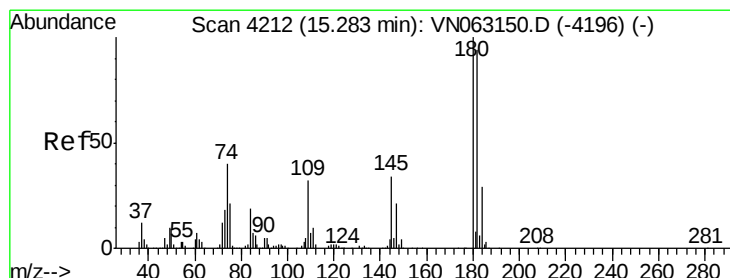
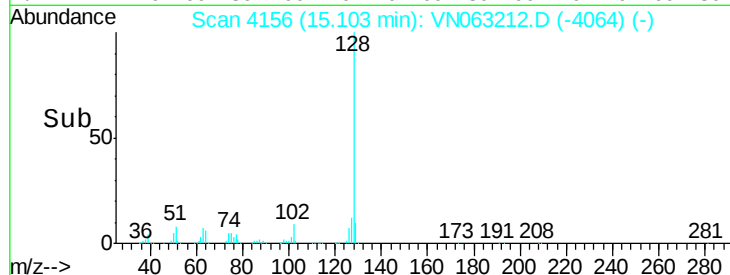
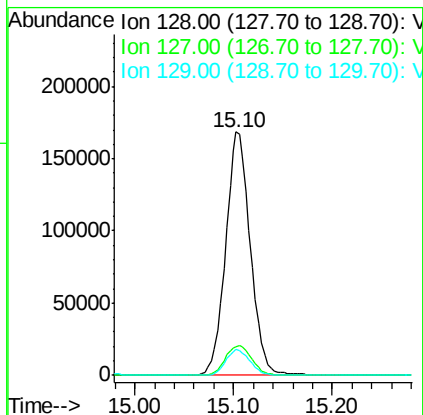
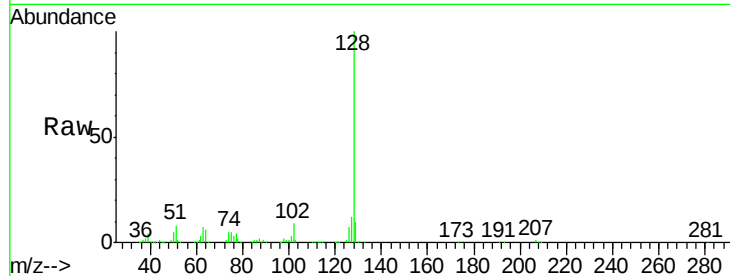
ClientSampled :

VN0903WBSD01

Tot Ion:	128	Resp:	295171
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.5	15.7
129	10.6	8.6	13.0

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 19.611 ug/l

RT: 15.29 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN063212.D

Acq: 3 Sep 2020 12:00

Tgt Ion:	180	Resp:	92559
Ion Ratio	Lower	Upper	
180	100		
182	92.8	47.5	142.5
145	32.7	17.3	52.0

