

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN083120\
 Data File : VN063152.D
 Acq On : 31 Aug 2020 14:59
 Operator : JC/MD
 Sample : VSTDIC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 9/1/2020 9:07:27 AM

Quant Time: Sep 01 03:15:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N083120W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 01 02:43:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	479588	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	914135	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	842551	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	414768	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	1205116	173.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	346.32%	
35) Dibromofluoromethane	7.55	113	931579	126.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	252.02%	
50) Toluene-d8	10.06	98	3472934	128.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	257.40%	
62) 4-Bromofluorobenzene	12.38	95	1270249	136.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	272.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	696277	134.118	ug/l	98
3) Chloromethane	2.03	50	915782	136.673	ug/l	99
4) Vinyl Chloride	2.17	62	1101240	152.349	ug/l	99
5) Bromomethane	2.52	94	971682	195.382	ug/l	97
6) Chloroethane	2.67	64	869667	174.578	ug/l	98
7) Trichlorofluoromethane	2.98	101	1427376	142.165	ug/l	96
8) Diethyl Ether	3.37	74	537312	156.461	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.72	101	764210	128.802	ug/l	99
10) Methyl Iodide	3.91	142	1090185	138.300	ug/l	100
11) Tert butyl alcohol	4.73	59	718536	1213.774	ug/l	100
12) 1,1-Dichloroethene	3.70	96	773938	145.516	ug/l	98
13) Acrolein	3.57	56	280576	898.692	ug/l	98
14) Allyl chloride	4.28	41	1478012	171.524	ug/l	99
15) Acrylonitrile	4.93	53	2029099	923.082	ug/l	99
16) Acetone	3.78	43	1639520	884.685	ug/l	99
17) Carbon Disulfide	4.01	76	2323961	145.939	ug/l	99
18) Methyl Acetate	4.27	43	885470	133.906	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	3003179	195.350	ug/l	99
20) Methylene Chloride	4.50	84	928869	139.867	ug/l	93
21) trans-1,2-Dichloroethene	4.99	96	920484	161.860	ug/l	97
22) Diisopropyl ether	5.90	45	3220817	182.955	ug/l	94
23) Vinyl Acetate	5.84	43	11842635	920.244	ug/l #	89
24) 1,1-Dichloroethane	5.80	63	1749116	157.364	ug/l	99
25) 2-Butanone	6.78	43	2741948	1020.702	ug/l	99
26) 2,2-Dichloropropane	6.78	77	1534677	173.656	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	1069752	170.012	ug/l	99
28) Bromochloromethane	7.15	49	899368	175.600	ug/l	97
29) Tetrahydrofuran	7.16	42	1854491	1084.586	ug/l	98
30) Chloroform	7.33	83	1830122	160.194	ug/l	97
31) Cyclohexane	7.61	56	1472598	141.769	ug/l	99
32) 1,1,1-Trichloroethane	7.53	97	1621667	163.285	ug/l	99
36) 1,1-Dichloropropene	7.75	75	1346302	134.752	ug/l	99
37) Ethyl Acetate	6.88	43	1236663	170.359	ug/l #	95
38) Carbon Tetrachloride	7.74	117	1390686	129.796	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN083120\
 Data File : VN063152.D
 Acq On : 31 Aug 2020 14:59
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 9/1/2020 9:07:27 AM

Quant Time: Sep 01 03:15:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N083120W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 01 02:43:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	1451152	138.840	ug/l	99
40) Benzene	8.00	78	3886582	127.526	ug/l	100
41) Methacrylonitrile	7.13	41	554827	153.716	ug/l	91
42) 1,2-Dichloroethane	8.08	62	1482109	143.845	ug/l	100
43) Isopropyl Acetate	8.13	43	2230110	175.493	ug/l	99
44) Trichloroethene	8.80	130	956972	120.889	ug/l	97
45) 1,2-Dichloropropane	9.08	63	1015408	123.789	ug/l	96
46) Dibromomethane	9.17	93	696879	135.307	ug/l	98
47) Bromodichloromethane	9.37	83	1489749	139.259	ug/l	99
48) Methyl methacrylate	9.16	41	1039896	165.736	ug/l	97
49) 1,4-Dioxane	9.17	88	285107	3199.801	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	5443923	769.573	ug/l	90
52) Toluene	10.13	92	2496564	137.671	ug/l	93
53) t-1,3-Dichloropropene	10.35	75	1681626	156.126	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	1774417	151.461	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	942745	125.326	ug/l	99
56) Ethyl methacrylate	10.40	69	1511351	168.142	ug/l	98
57) 1,3-Dichloropropane	10.68	76	1675082	139.728	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.67	63	3701865	888.351	ug/l	97
59) 2-Hexanone	10.72	43	4182039	871.159	ug/l	95
60) Dibromochloromethane	10.87	129	1099827	133.825	ug/l	99
61) 1,2-Dibromoethane	10.98	107	1013777	142.985	ug/l	98
64) Tetrachloroethene	10.60	164	821280	111.338	ug/l	99
65) Chlorobenzene	11.41	112	2563146	123.649	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	1010798	125.669	ug/l	100
67) Ethyl Benzene	11.49	91	4418218	130.072	ug/l	90
68) m/p-Xylenes	11.59	106	3594732	282.364	ug/l	79
69) o-Xylene	11.92	106	1734546	141.404	ug/l	94
70) Styrene	11.94	104	3073912	153.944	ug/l	100
71) Bromoform	12.10	173	722439	127.886	ug/l #	99
73) Isopropylbenzene	12.23	105	4337451	135.553	ug/l	95
74) N-amyl acetate	12.05	43	2058324	198.018	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	1347179	139.518	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	1156819m	144.282	ug/l	
77) Bromobenzene	12.50	156	1044559	121.520	ug/l	98
78) n-propylbenzene	12.57	91	4855223	133.196	ug/l	93
79) 2-Chlorotoluene	12.65	91	3118399	139.772	ug/l	97
80) 1,3,5-Trimethylbenzene	12.71	105	3756734	146.549	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.28	75	520049	194.080	ug/l	96
82) 4-Chlorotoluene	12.75	91	3326217	148.067	ug/l	98
83) tert-Butylbenzene	12.97	119	3218001	143.551	ug/l	98
84) 1,2,4-Trimethylbenzene	13.02	105	3770545	145.638	ug/l	95
85) sec-Butylbenzene	13.15	105	4109113	138.409	ug/l	96
86) p-Isopropyltoluene	13.27	119	3815402	149.848	ug/l	96
87) 1,3-Dichlorobenzene	13.26	146	2013526	133.478	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	2027903	133.142	ug/l	99
89) n-Butylbenzene	13.59	91	3481131	162.472	ug/l	96
90) Hexachloroethane	13.85	117	740388	130.952	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	1971920	132.858	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	285692	179.471	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN083120\
Data File : VN063152.D
Acq On : 31 Aug 2020 14:59
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

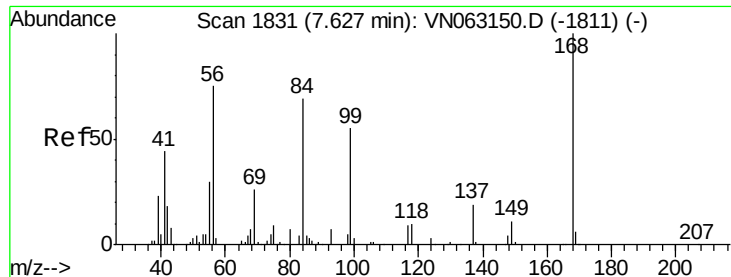
Manual Integrations
APPROVED

MMDadoda
9/1/2020 9:07:27 AM

Quant Time: Sep 01 03:15:06 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N083120W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 01 02:43:43 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	1078744	156.879	ug/l	100
94) Hexachlorobutadiene	14.98	225	356438	77.012	ug/l	98
95) Naphthalene	15.11	128	3625794	216.418	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	1027530	144.459	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063152.D

Acq: 31 Aug 2020 14:59

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion:168 Resp: 479588

Ion Ratio Lower Upper

168 100

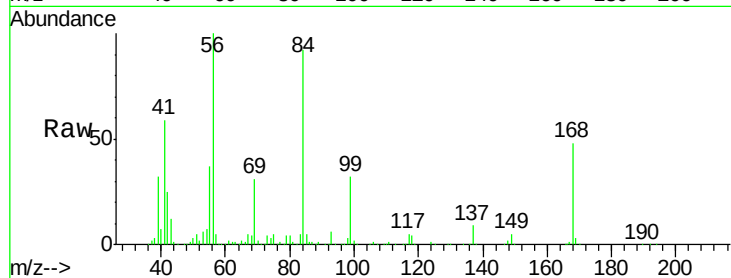
99 66.5 54.2 81.2

Manual Integrations

APPROVED

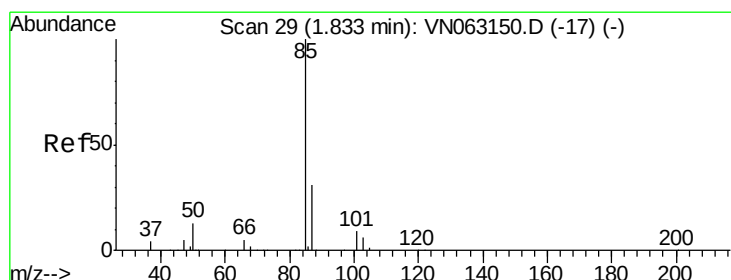
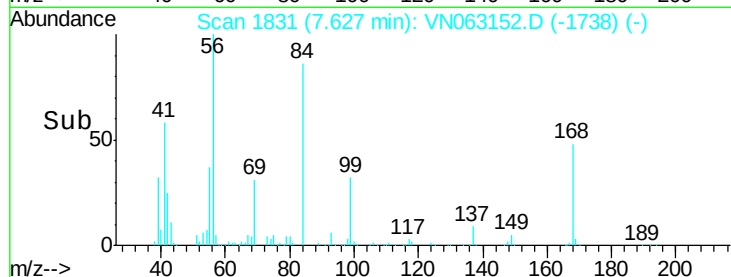
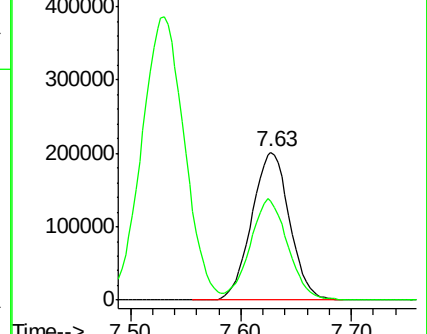
MMDadoda

9/1/2020 9:07:27 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 134.118 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN063152.D

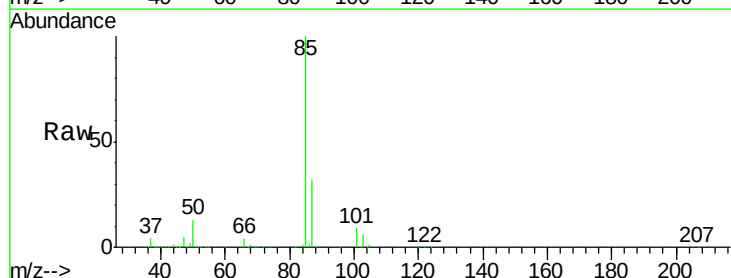
Acq: 31 Aug 2020 14:59

Tgt Ion: 85 Resp: 696277

Ion Ratio Lower Upper

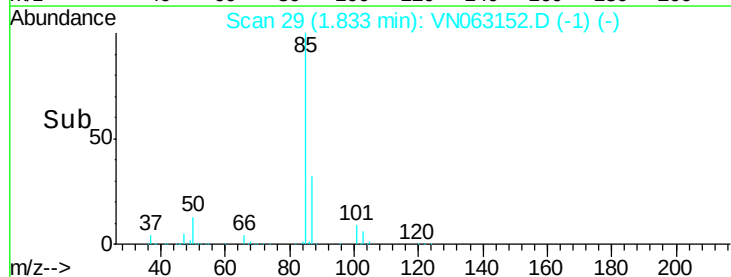
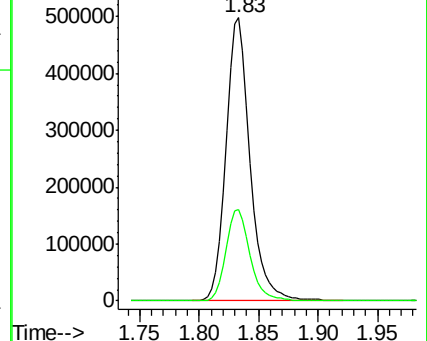
85 100

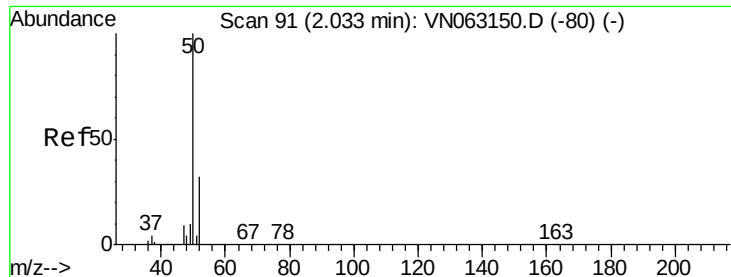
87 32.1 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 136.673 ug/l

RT: 2.03 min Scan# 91

Delta R.T. 0.00 min

Lab File: VN063152.D

Acq: 31 Aug 2020 14:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 915782

Ion Ratio Lower Upper

50 100

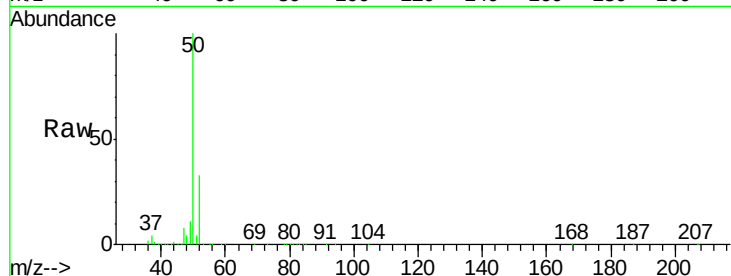
52 32.7 25.8 38.6

Manual Integrations

APPROVED

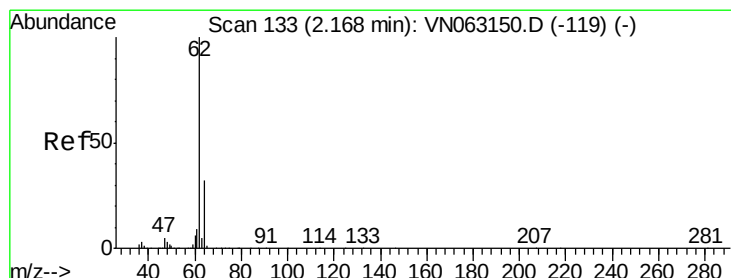
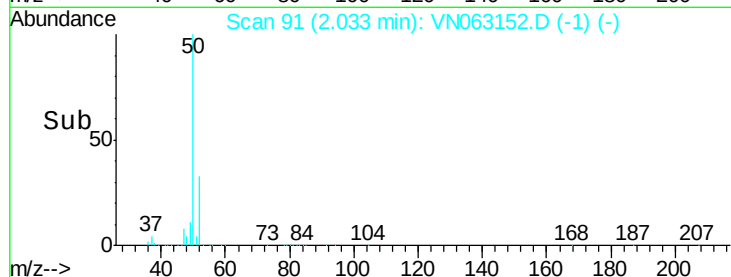
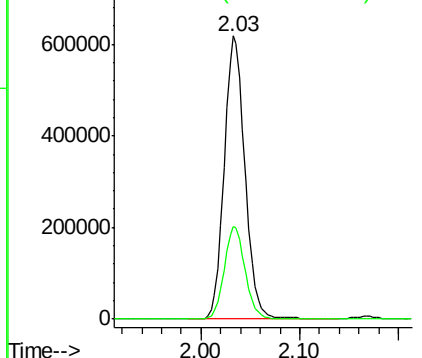
MMDadoda

9/1/2020 9:07:27 AM



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 152.349 ug/l

RT: 2.17 min Scan# 133

Delta R.T. 0.00 min

Lab File: VN063152.D

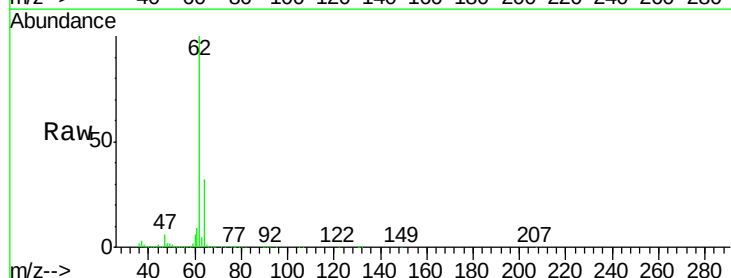
Acq: 31 Aug 2020 14:59

Tgt Ion: 62 Resp: 1101240

Ion Ratio Lower Upper

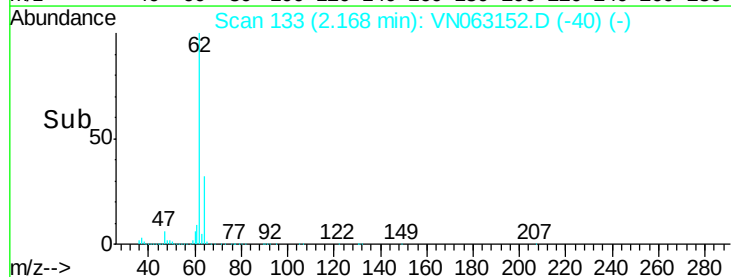
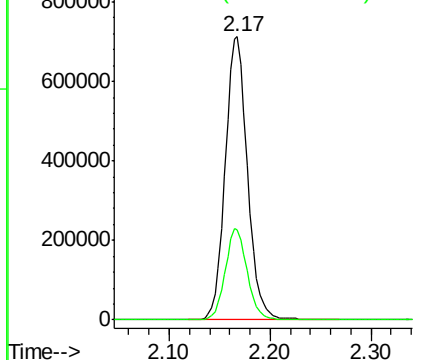
62 100

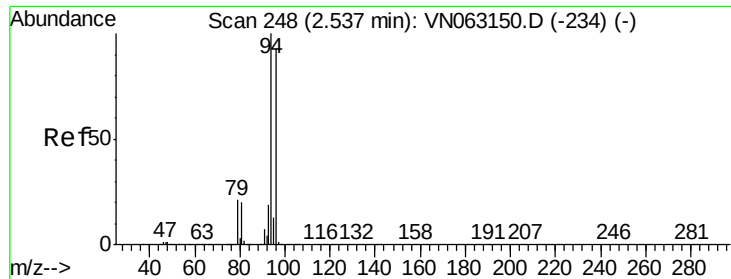
64 31.9 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 195.382 ug/l

RT: 2.52 min Scan# 243

Delta R.T. -0.02 min

Lab File: VN063152.D

Acq: 31 Aug 2020 14:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 971682

Ion Ratio Lower Upper

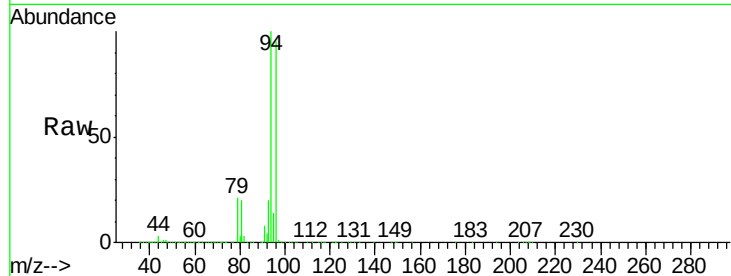
94 100

96 95.4 74.4 111.6

Manual Integrations
APPROVED

MMDadoda

9/1/2020 9:07:27 AM



Abundance Ion 93.90 (93.60 to 94.60): VN063152.D (-155) (-)

Ion 95.90 (95.60 to 96.60): VN063152.D (-155) (-)

2.52

500000

400000

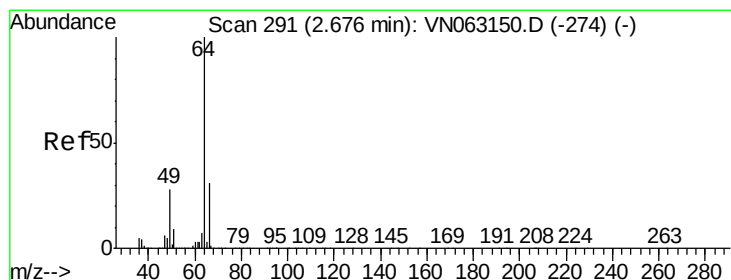
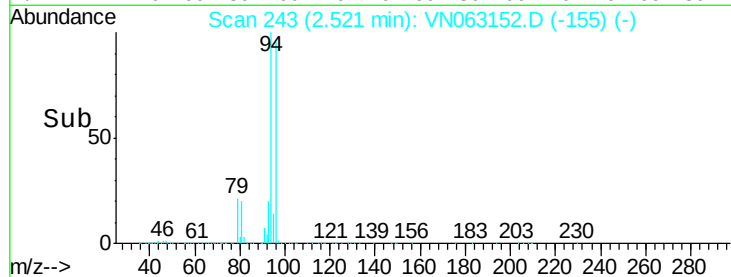
300000

200000

100000

0

Time-->



#6

Chloroethane

Concen: 174.578 ug/l

RT: 2.67 min Scan# 289

Delta R.T. -0.01 min

Lab File: VN063152.D

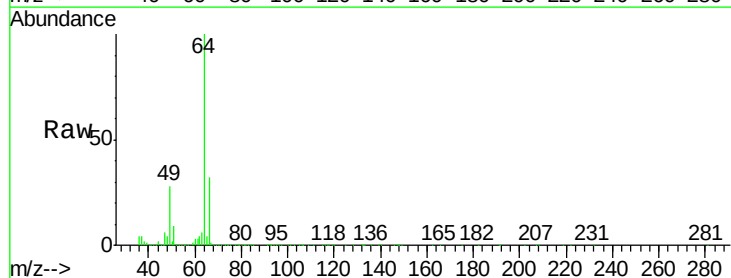
Acq: 31 Aug 2020 14:59

Tgt Ion: 64 Resp: 869667

Ion Ratio Lower Upper

64 100

66 32.0 24.7 37.1



Abundance Ion 63.90 (63.60 to 64.60): VN063152.D (-198) (-)

Ion 65.90 (65.60 to 66.60): VN063152.D (-198) (-)

2.67

500000

400000

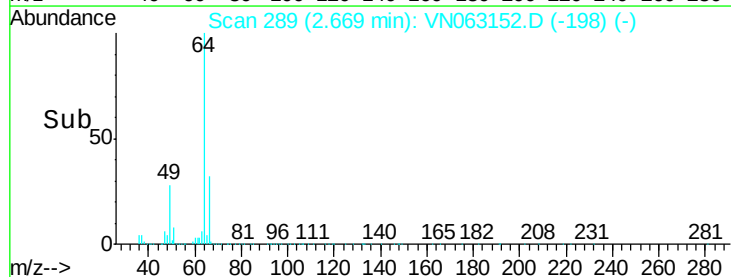
300000

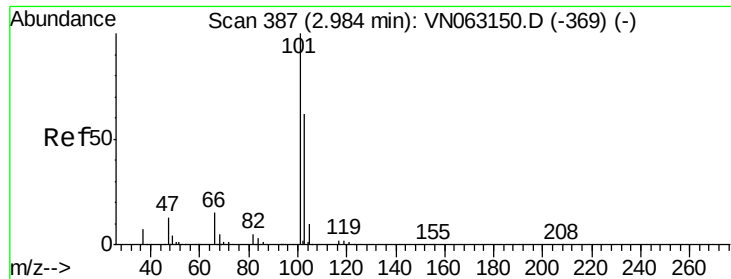
200000

100000

0

Time-->





#7

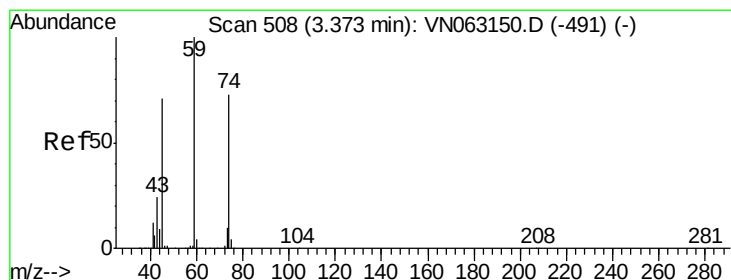
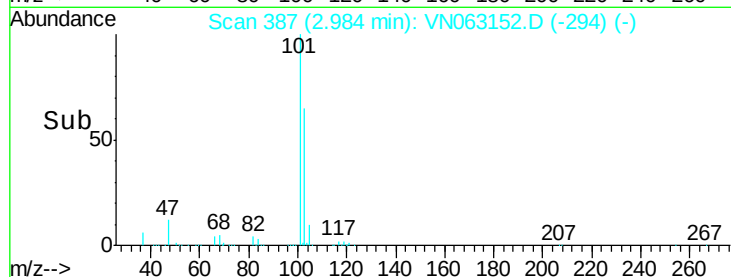
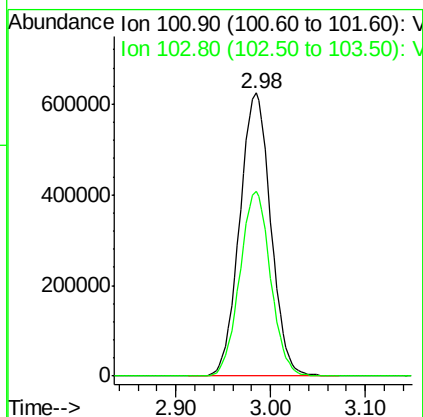
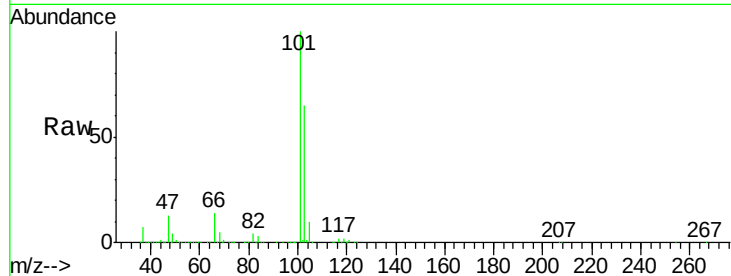
Trichlorofluoromethane
Concen: 142.165 ug/l
RT: 2.98 min Scan# 387
Delta R.T. 0.00 min
Lab File: VN063152.D
Acq: 31 Aug 2020 14:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:101 Resp: 1427376
Ion Ratio Lower Upper
101 100
103 65.4 49.7 74.5

Manual Integrations
APPROVED

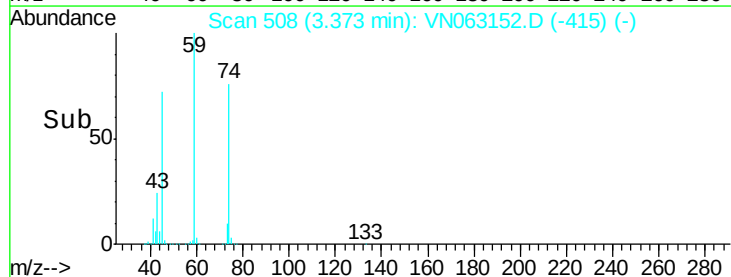
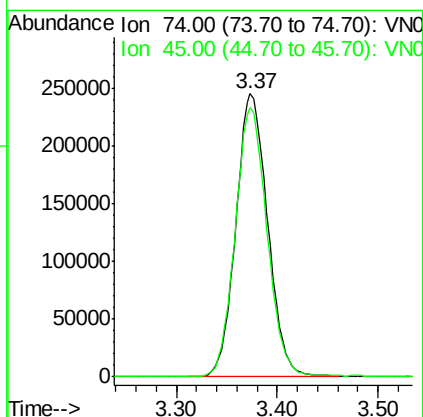
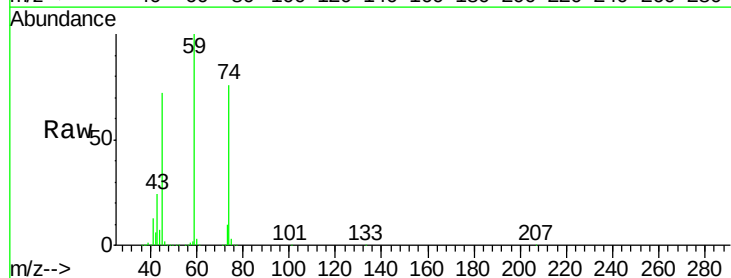
MMDadoda
9/1/2020 9:07:27 AM

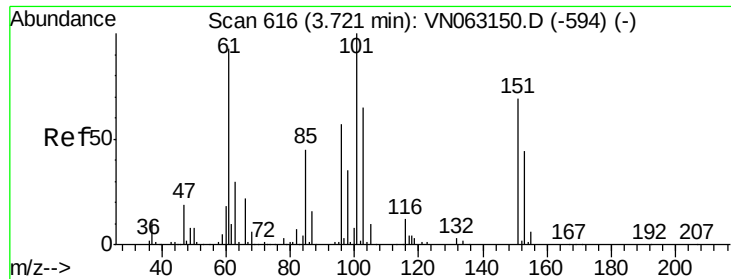


#8

Diethyl Ether
Concen: 156.461 ug/l
RT: 3.37 min Scan# 508
Delta R.T. 0.00 min
Lab File: VN063152.D
Acq: 31 Aug 2020 14:59

Tgt Ion: 74 Resp: 537312
Ion Ratio Lower Upper
74 100
45 95.3 49.5 148.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 128.802 ug/l

RT: 3.72 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN063152.D

Acq: 31 Aug 2020 14:59

Instrument :

MSVOA_N

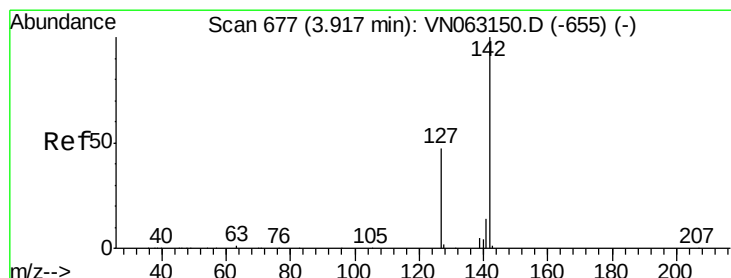
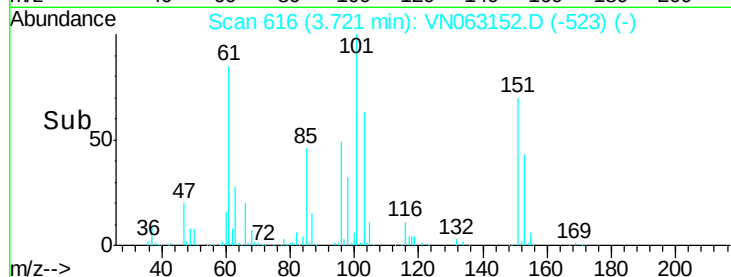
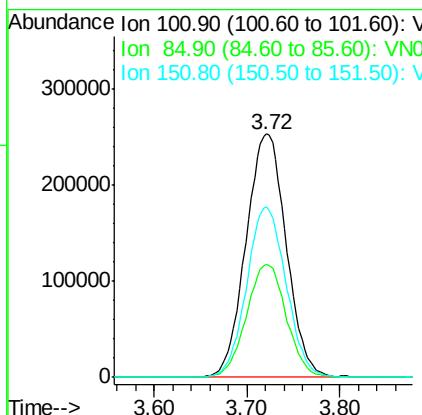
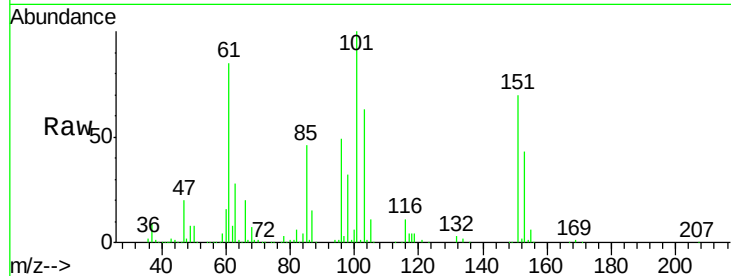
ClientSampleId :

VSTDIC150

Tot Ion:	101	Resp:	764210
Ion Ratio	Lower	Upper	
101	100		
85	46.1	37.8	56.8
151	68.5	55.0	82.4

Manual Integrations
APPROVED

MMDadoda
9/1/2020 9:07:27 AM



#10

Methyl Iodide

Concen: 138.300 ug/l

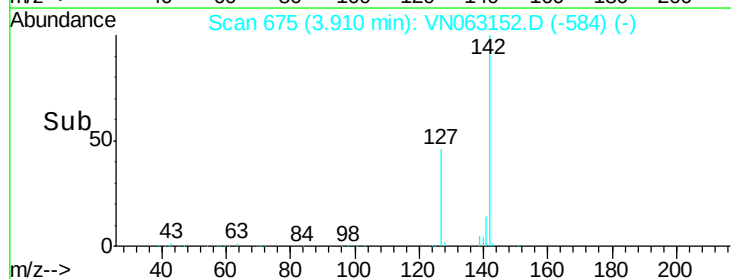
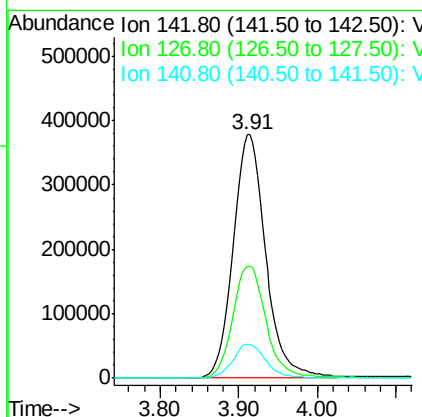
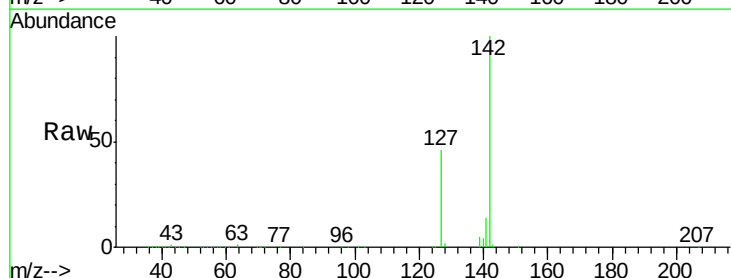
RT: 3.91 min Scan# 675

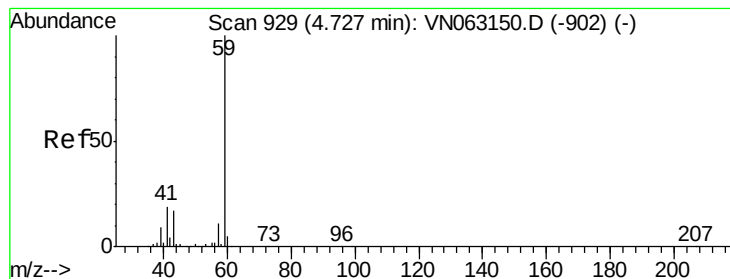
Delta R.T. -0.01 min

Lab File: VN063152.D

Acq: 31 Aug 2020 14:59

Tgt Ion:	142	Resp:	1090185
Ion Ratio	Lower	Upper	
142	100		
127	47.2	37.6	56.4
141	14.2	11.3	16.9





#11

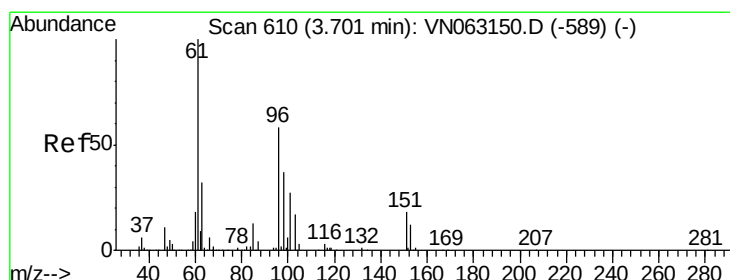
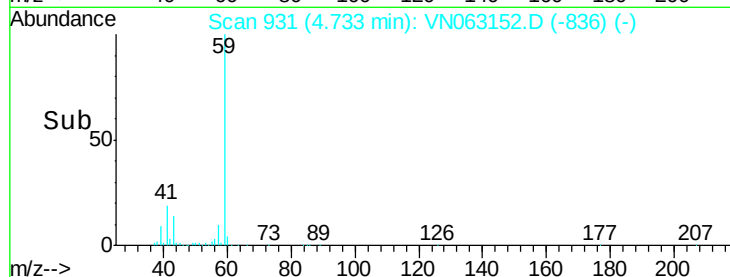
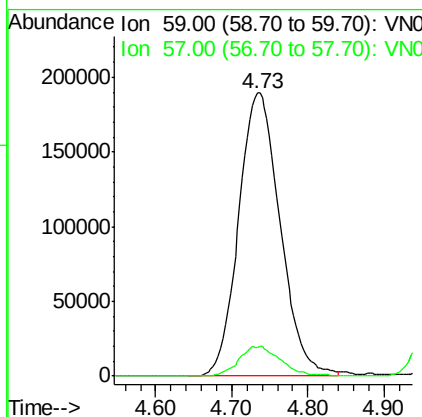
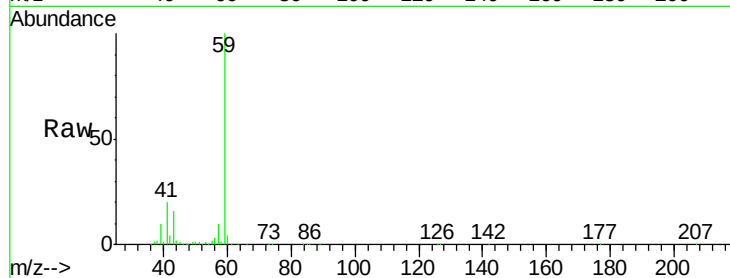
Tert butyl alcohol
 Concen: 1213.774 ug/l
 RT: 4.73 min Scan# 931
 Delta R.T. 0.01 min
 Lab File: VN063152.D
 Acq: 31 Aug 2020 14:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
59	100	718536		
57	10.5		8.4	12.6

Manual Integrations
 APPROVED

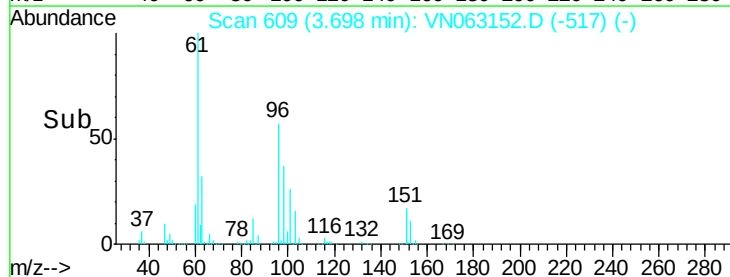
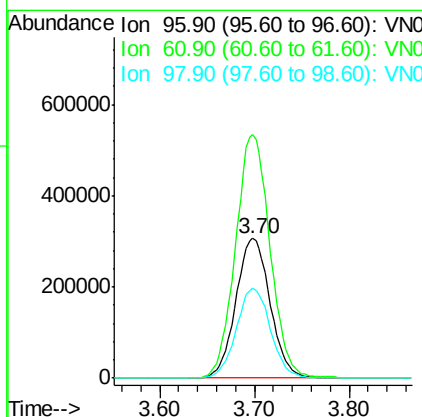
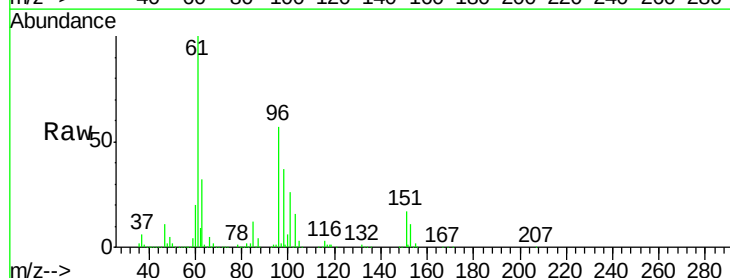
MMDadoda
 9/1/2020 9:07:27 AM

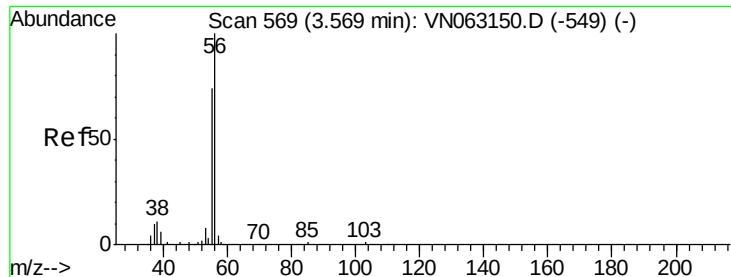


#12

1,1-Dichloroethene
 Concen: 145.516 ug/l
 RT: 3.70 min Scan# 609
 Delta R.T. -0.00 min
 Lab File: VN063152.D
 Acq: 31 Aug 2020 14:59

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	773938		
61	174.1		137.4	206.2
98	64.0		50.5	75.7





#13

Acrolein

Concen: 898.692 ug/l

RT: 3.57 min Scan# 568

Delta R.T. -0.00 min

Lab File: VN063152.D

Acq: 31 Aug 2020 14:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 280576

Ion Ratio Lower Upper

56 100

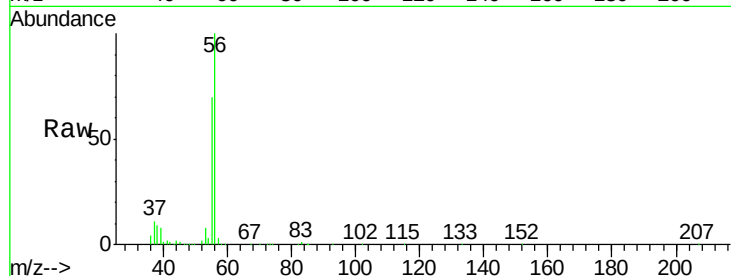
55 70.8 55.4 83.0

Manual Integrations

APPROVED

MMDadoda

9/1/2020 9:07:27 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.57

120000

100000

80000

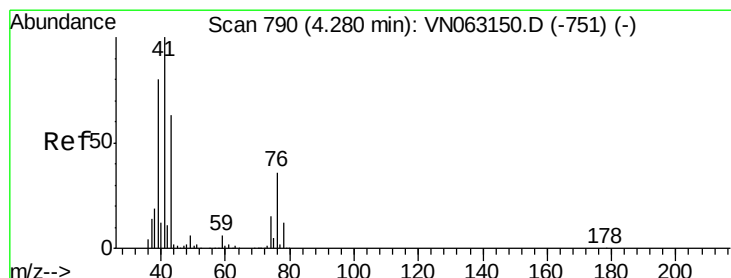
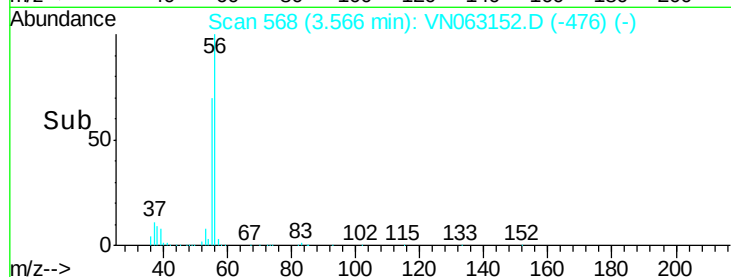
60000

40000

20000

0

Time-->



#14

Allyl chloride

Concen: 171.524 ug/l

RT: 4.28 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN063152.D

Acq: 31 Aug 2020 14:59

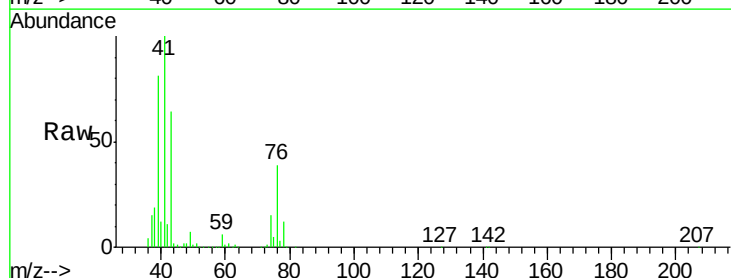
Tgt Ion: 41 Resp: 1478012

Ion Ratio Lower Upper

41 100

39 76.4 60.2 90.2

76 34.9 27.7 41.5



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

4.28

600000

500000

400000

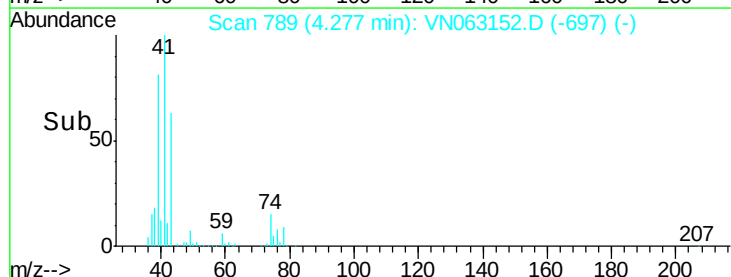
300000

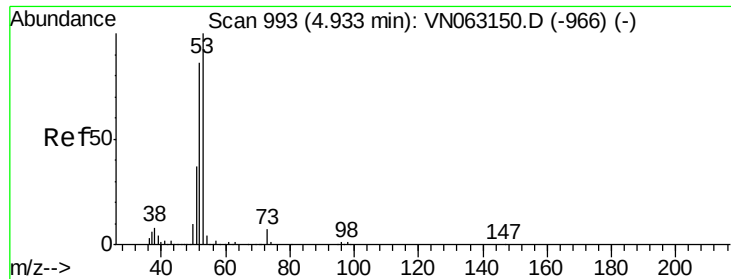
200000

100000

0

Time-->





#15

Acrylonitrile

Concen: 923.082 ug/l

RT: 4.93 min Scan# 992

Delta R.T. -0.00 min

Lab File: VN063152.D

Acq: 31 Aug 2020 14:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 53 Resp: 2029099

Ion Ratio Lower Upper

53 100

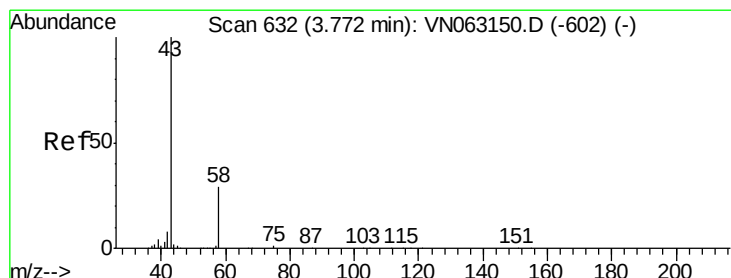
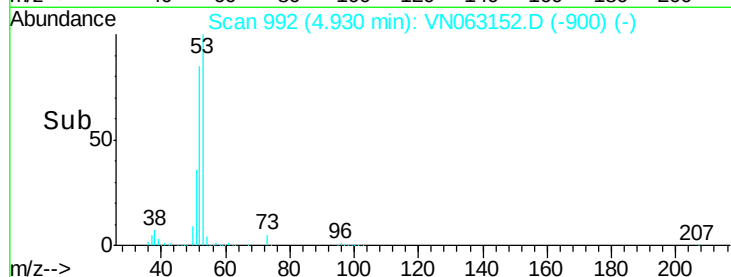
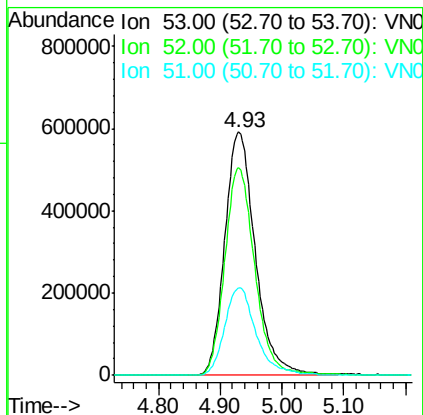
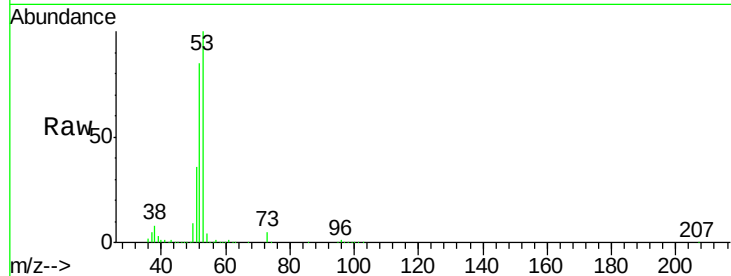
52 83.7 67.2 100.8

51 37.0 30.2 45.4

Manual Integrations
APPROVED

MMDadoda

9/1/2020 9:07:27 AM



#16

Acetone

Concen: 884.685 ug/l

RT: 3.78 min Scan# 633

Delta R.T. 0.00 min

Lab File: VN063152.D

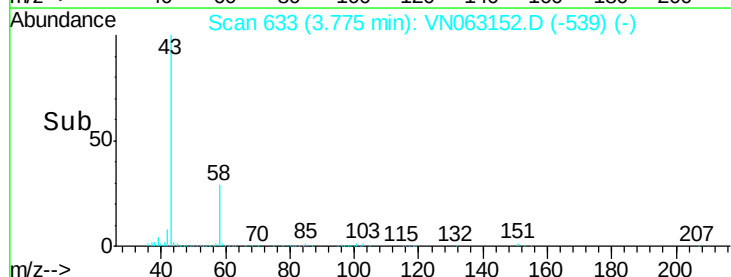
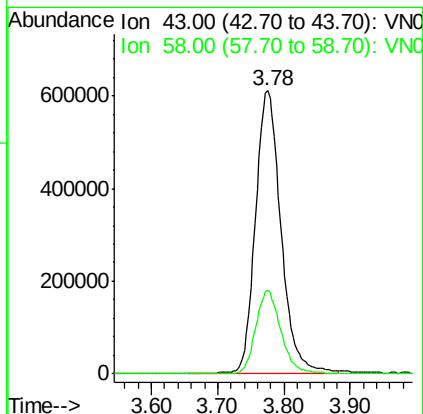
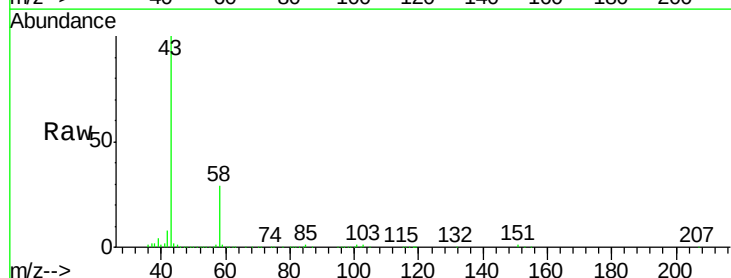
Acq: 31 Aug 2020 14:59

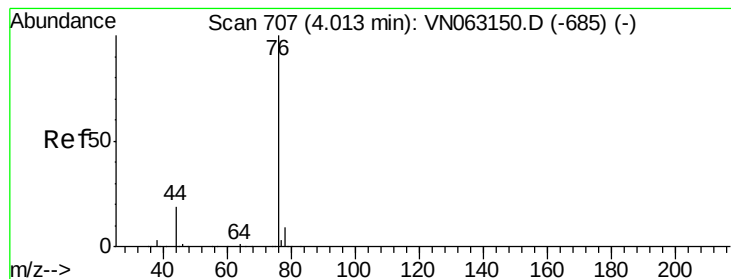
Tgt Ion: 43 Resp: 1639520

Ion Ratio Lower Upper

43 100

58 29.4 23.1 34.7





#17

Carbon Disulfide

Concen: 145.939 ug/l

RT: 4.01 min Scan# 707

Delta R.T. 0.00 min

Lab File: VN063152.D

Acq: 31 Aug 2020 14:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 2323961

Ion Ratio Lower Upper

76 100

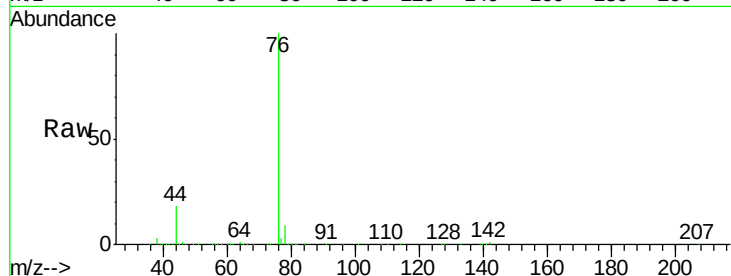
78 9.1 7.5 11.3

Manual Integrations

APPROVED

MMDadoda

9/1/2020 9:07:27 AM



Abundance Ion 75.90 (75.60 to 76.60): VN063150.D (-685) (-)

Ion 77.90 (77.60 to 78.60): VN063150.D (-685) (-)

800000

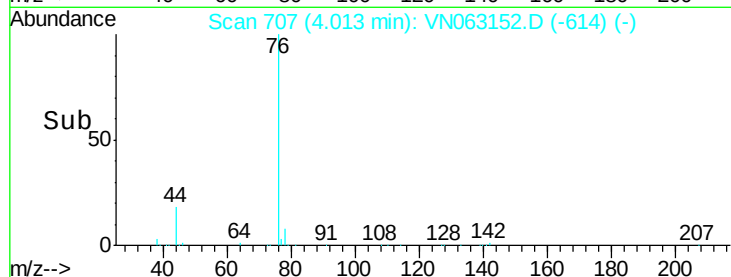
600000

400000

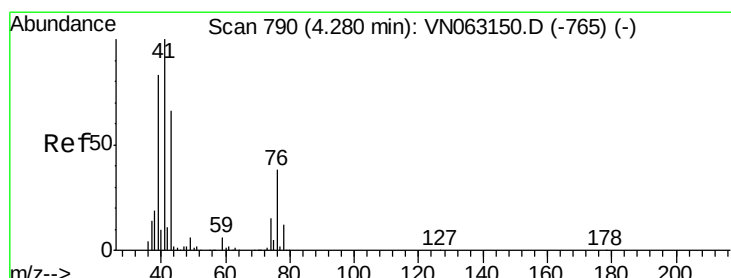
200000

0

Time-->



Time-->



#18

Methyl Acetate

Concen: 133.906 ug/l

RT: 4.27 min Scan# 788

Delta R.T. -0.01 min

Lab File: VN063152.D

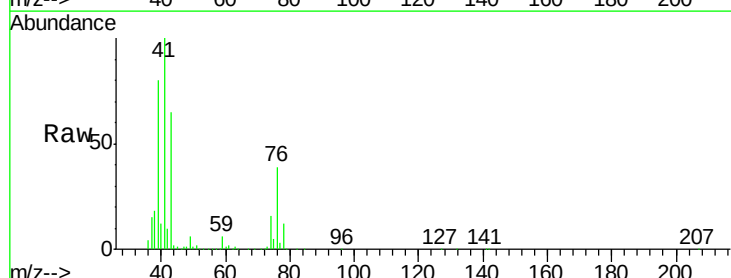
Acq: 31 Aug 2020 14:59

Tgt Ion: 43 Resp: 885470

Ion Ratio Lower Upper

43 100

74 23.5 19.0 28.6



Abundance Ion 43.00 (42.70 to 43.70): VN063150.D (-765) (-)

Ion 74.00 (73.70 to 74.70): VN063150.D (-765) (-)

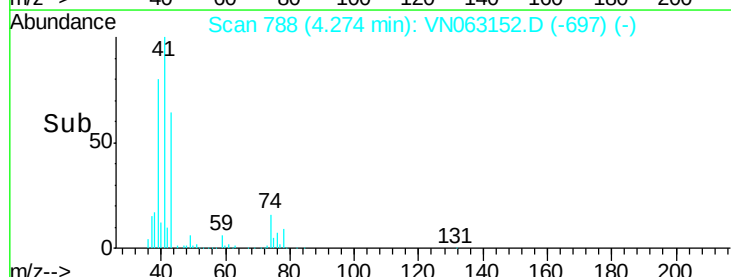
300000

200000

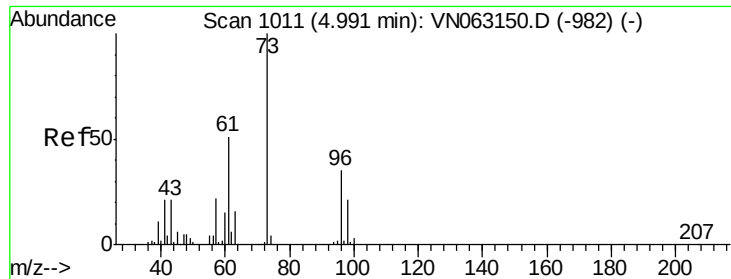
100000

0

Time-->



Time-->



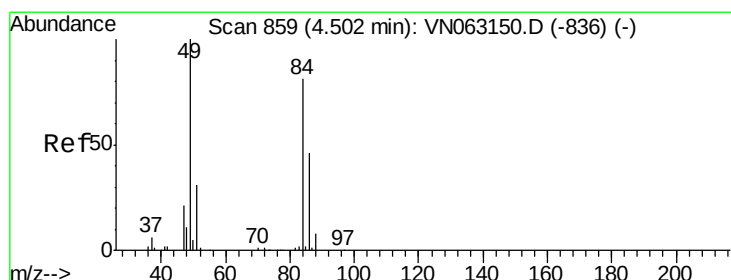
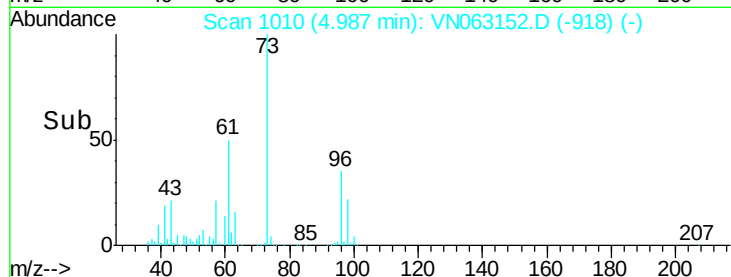
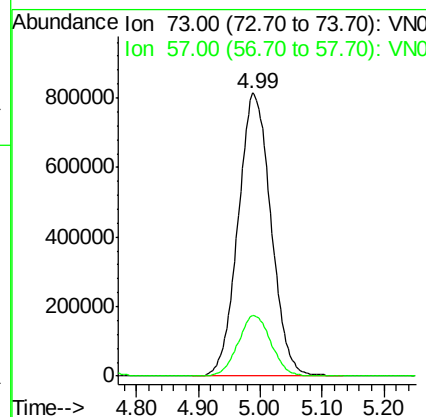
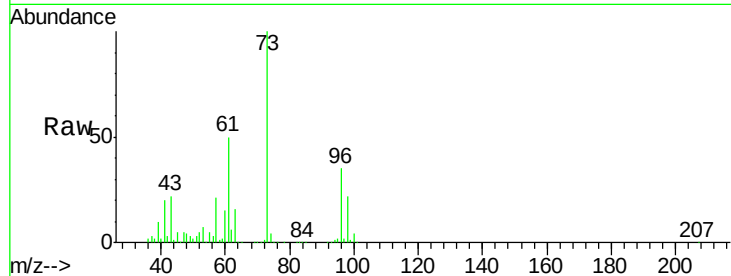
#19
Methyl tert-butyl Ether
Concen: 195.350 ug/l
RT: 4.99 min Scan# 1010
Delta R.T. -0.00 min
Lab File: VN063152.D
Acq: 31 Aug 2020 14:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 73 Resp: 3003179
Ion Ratio Lower Upper
73 100
57 21.3 17.6 26.4

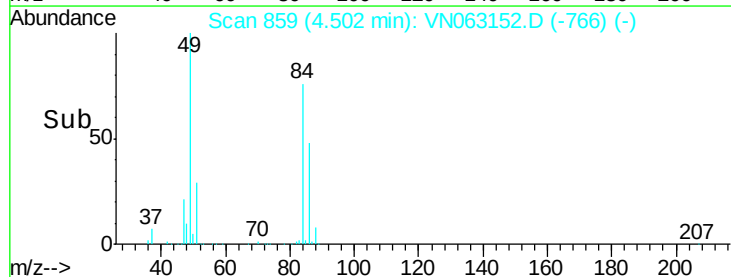
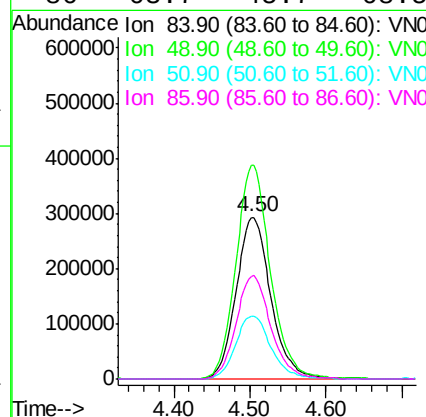
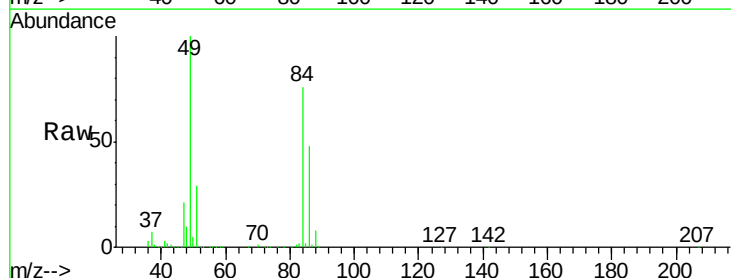
Manual Integrations
APPROVED

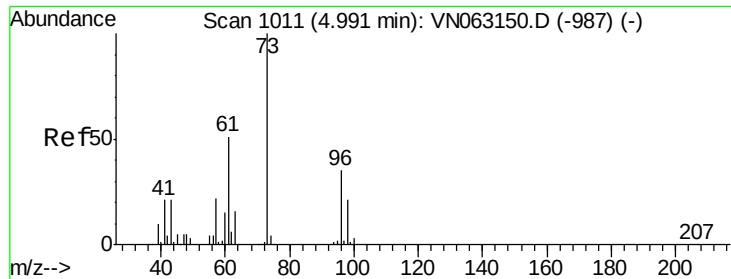
MMDadoda
9/1/2020 9:07:27 AM



#20
Methylene Chloride
Concen: 139.867 ug/l
RT: 4.50 min Scan# 859
Delta R.T. 0.00 min
Lab File: VN063152.D
Acq: 31 Aug 2020 14:59

Tgt Ion: 84 Resp: 928869
Ion Ratio Lower Upper
84 100
49 131.7 98.4 147.6
51 38.9 30.4 45.6
86 63.7 45.7 68.5





#21

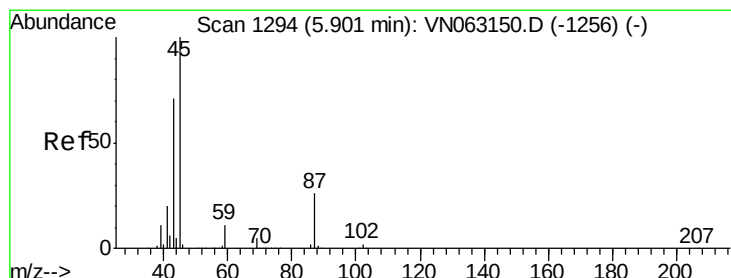
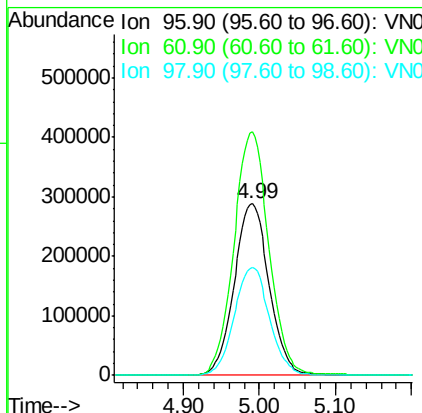
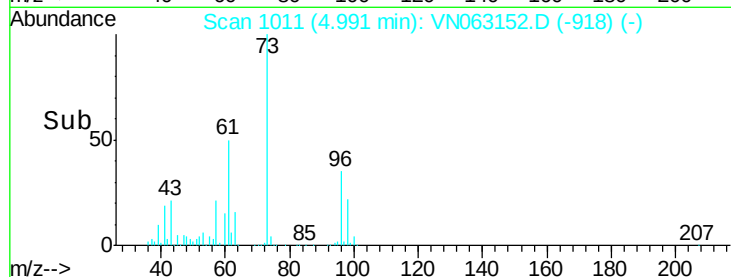
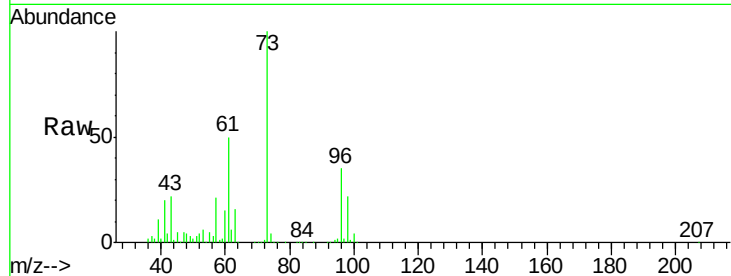
trans-1,2-Dichloroethene
Concen: 161.860 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN063152.D
Acq: 31 Aug 2020 14:59

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.0	116.2	174.4
98	62.7	48.0	72.0

Manual Integrations
APPROVED

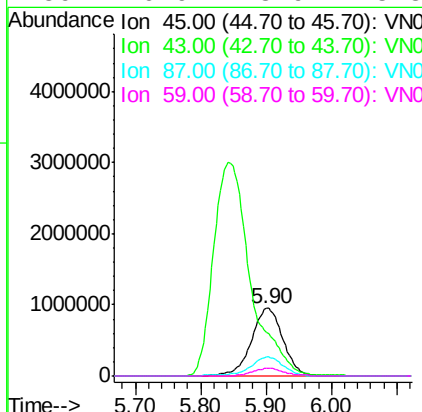
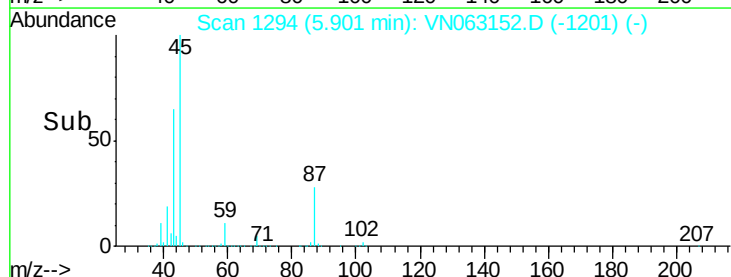
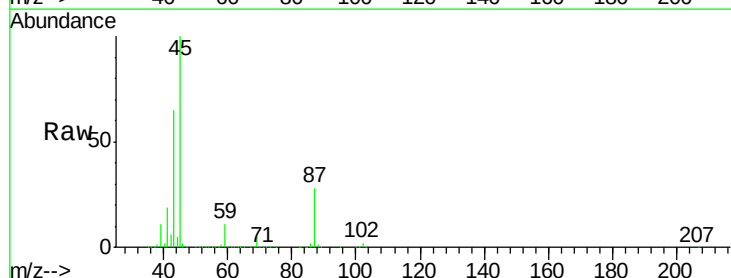
MMDadoda
9/1/2020 9:07:27 AM

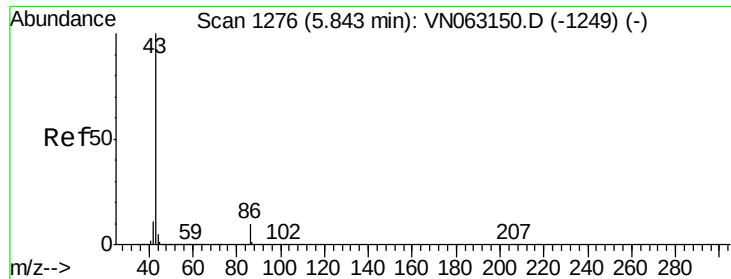


#22

Diisopropyl ether
Concen: 182.955 ug/l
RT: 5.90 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VN063152.D
Acq: 31 Aug 2020 14:59

Tgt Ion	Ratio	Lower	Upper
45	100		
43	64.3	56.8	85.2
87	28.1	21.1	31.7
59	10.9	8.9	13.3





#23

Vinyl Acetate

Concen: 920.244 ug/l

RT: 5.84 min Scan# 1276

Delta R.T. 0.00 min

Lab File: VN063152.D

Acq: 31 Aug 2020 14:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 11842635

Ion Ratio Lower Upper

43 100

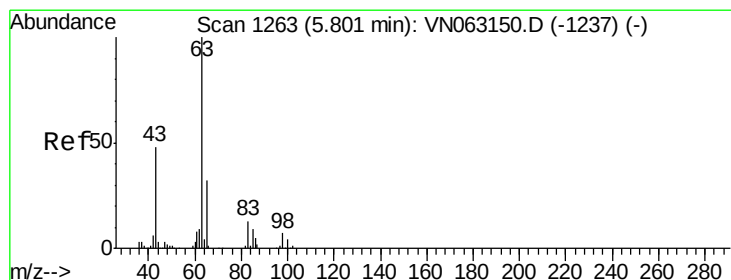
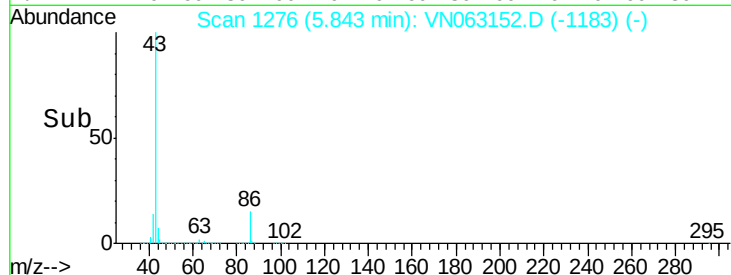
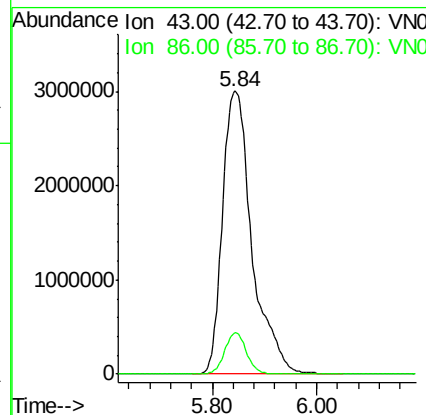
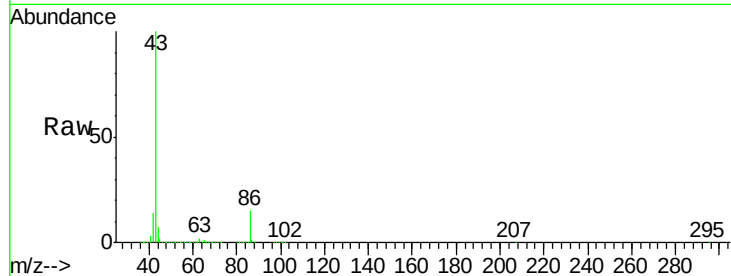
86 14.6 8.3 12.5#

Manual Integrations

APPROVED

MMDadoda

9/1/2020 9:07:27 AM



#24

1,1-Dichloroethane

Concen: 157.364 ug/l

RT: 5.80 min Scan# 1262

Delta R.T. -0.00 min

Lab File: VN063152.D

Acq: 31 Aug 2020 14:59

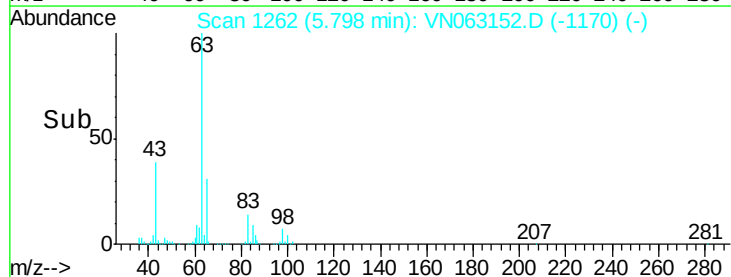
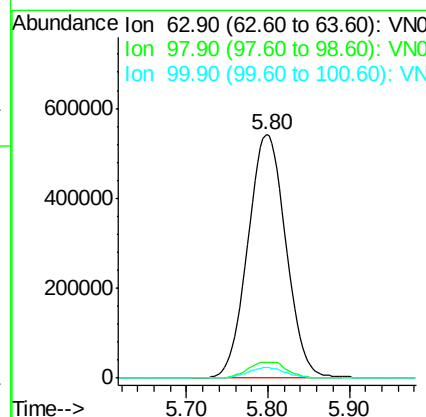
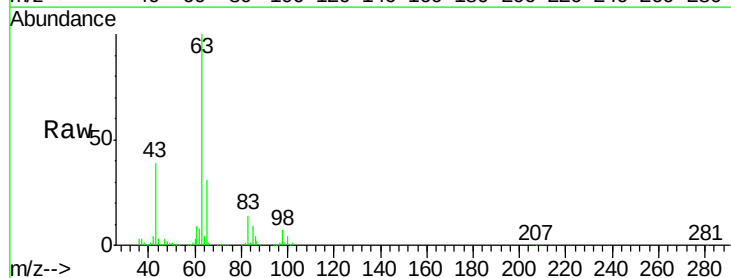
Tgt Ion: 63 Resp: 1749116

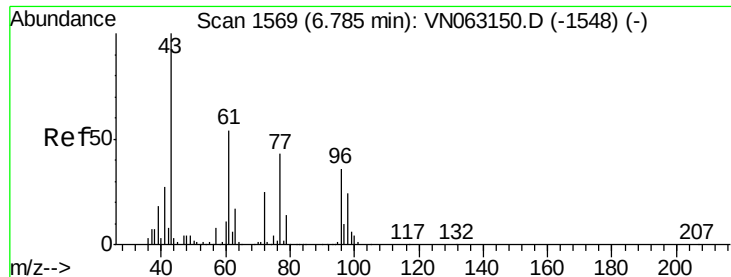
Ion Ratio Lower Upper

63 100

98 6.5 3.4 10.1

100 4.2 2.3 6.8





#25

2-Butanone

Concen: 1020.702 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN063152.D

Acq: 31 Aug 2020 14:59

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 43 Resp: 2741948

Ion Ratio Lower Upper

43 100

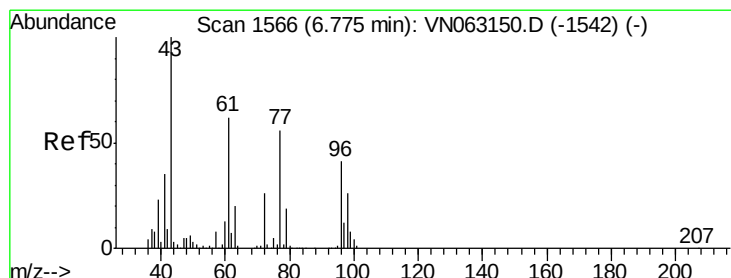
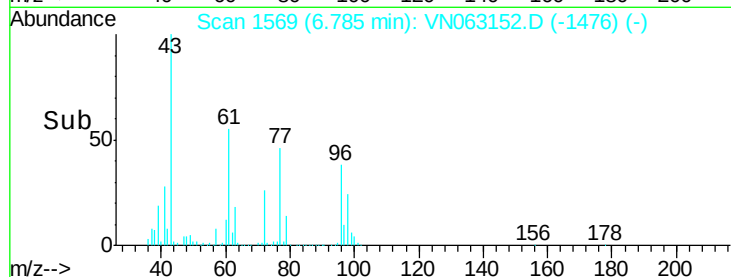
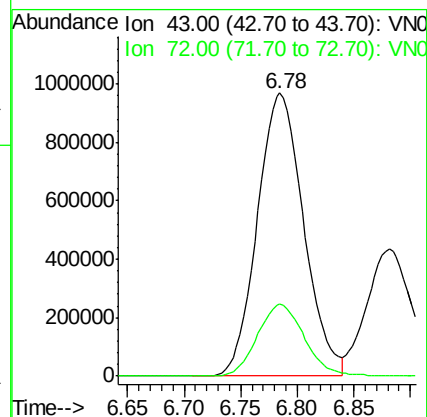
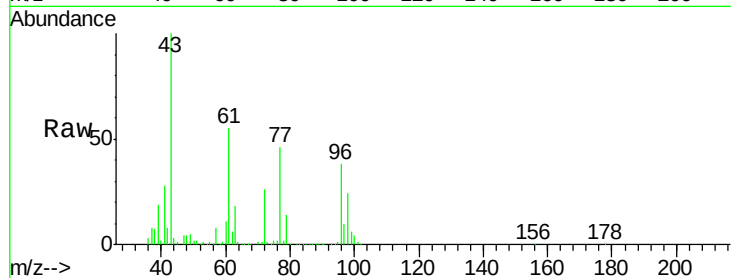
72 25.6 20.2 30.4

Manual Integrations

APPROVED

MMDadoda

9/1/2020 9:07:27 AM



#26

2,2-Dichloropropane

Concen: 173.656 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN063152.D

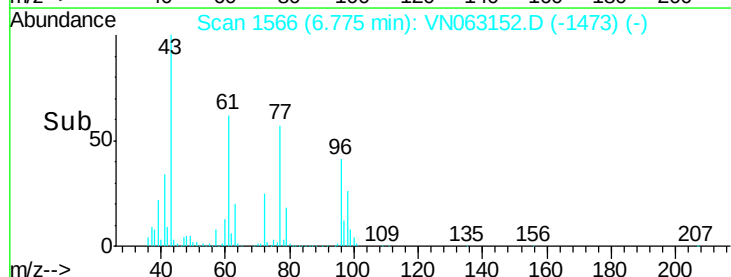
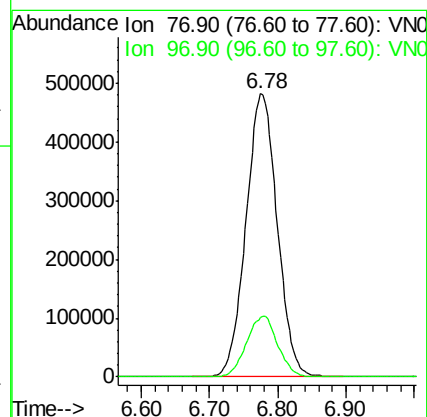
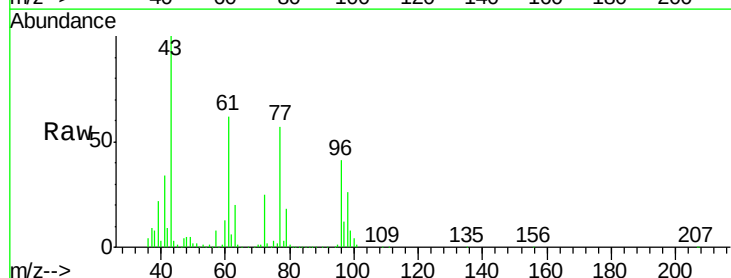
Acq: 31 Aug 2020 14:59

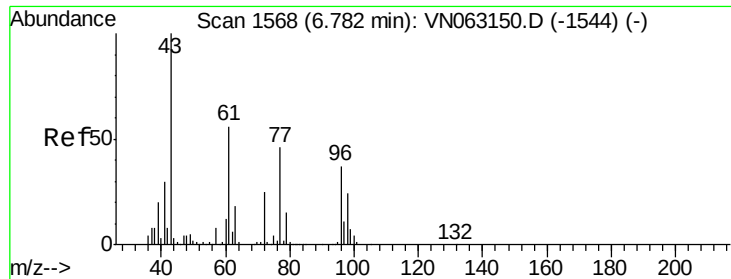
Tgt Ion: 77 Resp: 1534677

Ion Ratio Lower Upper

77 100

97 21.3 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 170.012 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN063152.D

Acq: 31 Aug 2020 14:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 96 Resp: 1069752

Ion Ratio Lower Upper

96 100

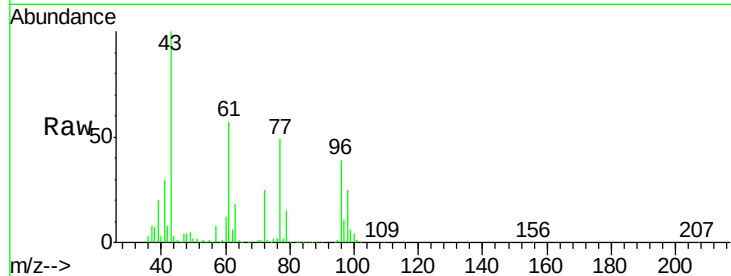
61 150.8 0.0 303.2

98 64.1 0.0 129.0

Manual Integrations
APPROVED

MMDadoda

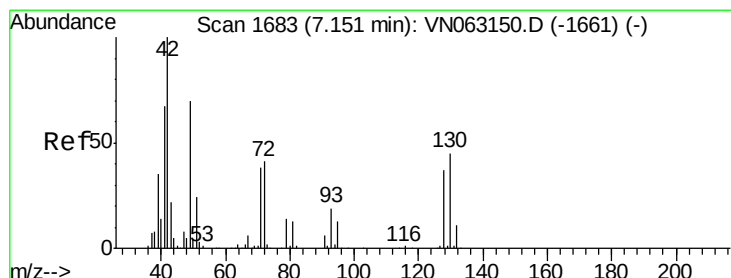
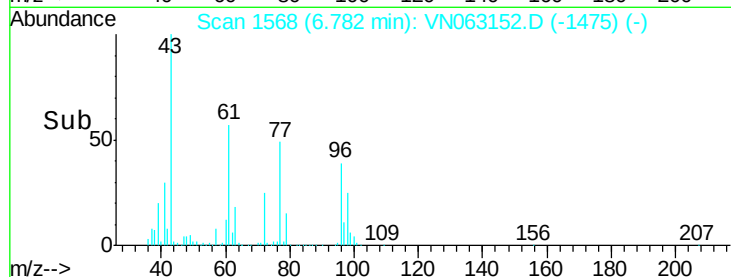
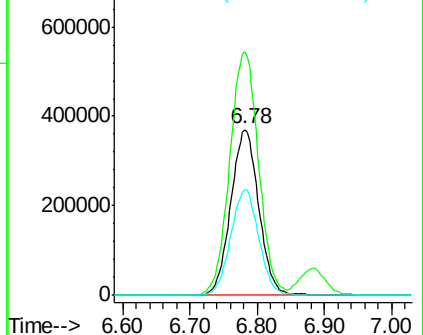
9/1/2020 9:07:27 AM



Abundance Ion 95.90 (95.60 to 96.60): VN063152.D (-1475) (-)

Ion 60.90 (60.60 to 61.60): VN063152.D (-1475) (-)

Ion 97.90 (97.60 to 98.60): VN063152.D (-1475) (-)



#28

Bromochloromethane

Concen: 175.600 ug/l

RT: 7.15 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VN063152.D

Acq: 31 Aug 2020 14:59

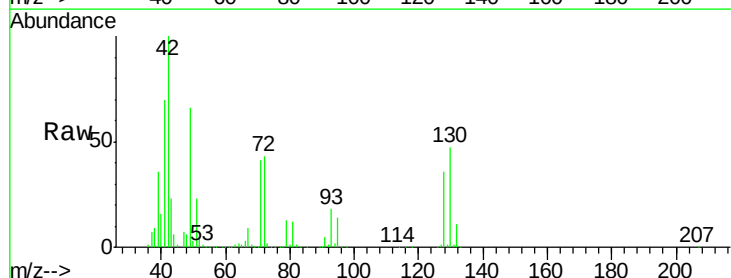
Tgt Ion: 49 Resp: 899368

Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.0

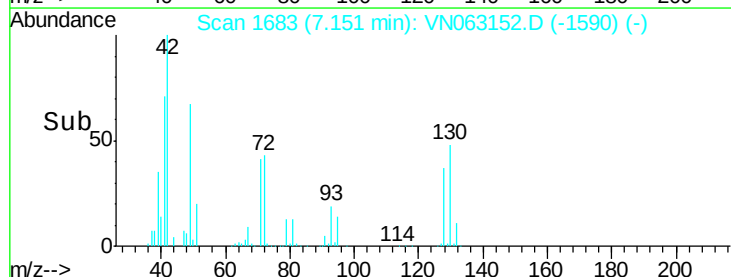
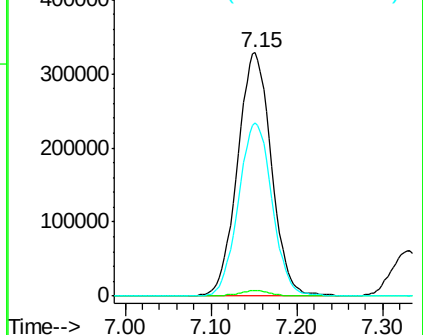
130 70.9 54.4 81.6

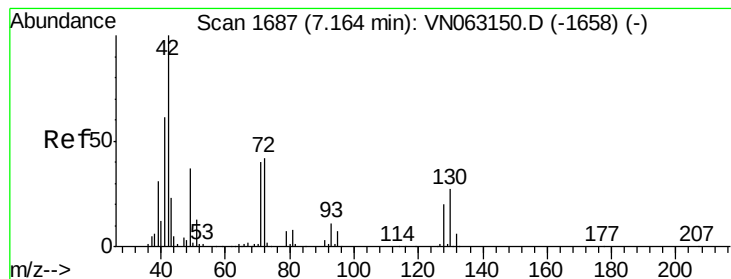


Abundance Ion 48.90 (48.60 to 49.60): VN063152.D (-1590) (-)

Ion 128.80 (128.50 to 129.50): VN063152.D (-1590) (-)

Ion 129.80 (129.50 to 130.50): VN063152.D (-1590) (-)





#29

Tetrahydrofuran

Concen: 1084.586 ug/l

RT: 7.16 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN063152.D

Acq: 31 Aug 2020 14:59

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 42 Resp: 1854491

Ion Ratio Lower Upper

42 100

72 43.5 33.9 50.9

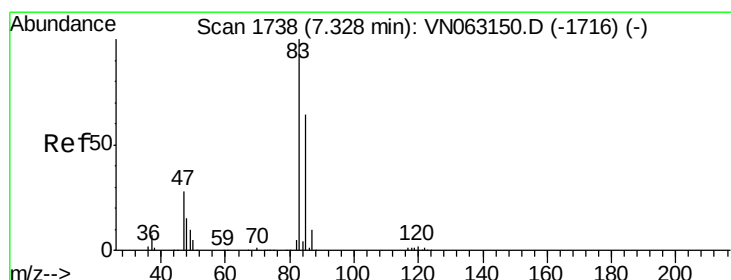
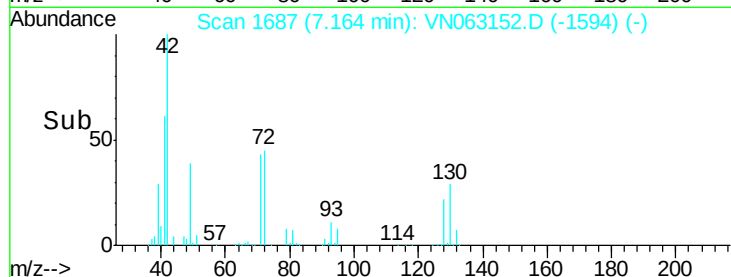
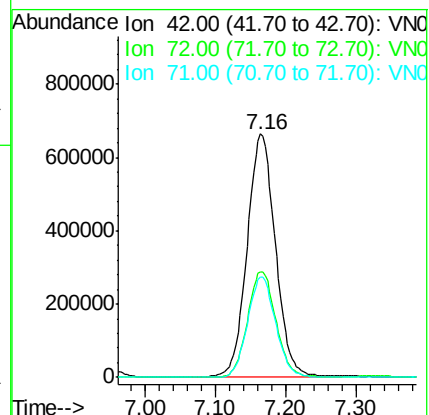
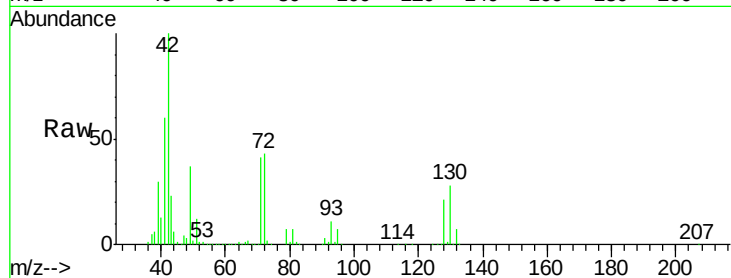
71 40.9 31.9 47.9

Manual Integrations

APPROVED

MMDadoda

9/1/2020 9:07:27 AM



#30

Chloroform

Concen: 160.194 ug/l

RT: 7.33 min Scan# 1738

Delta R.T. 0.00 min

Lab File: VN063152.D

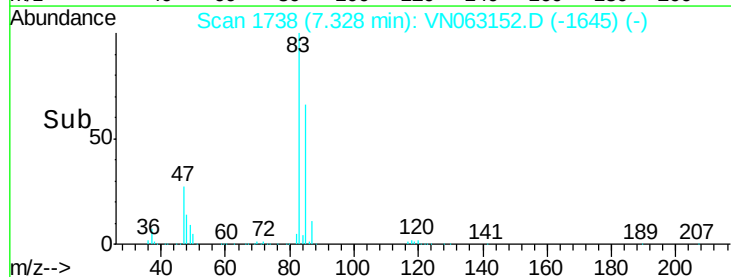
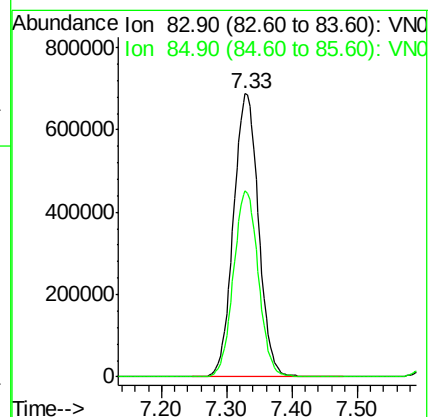
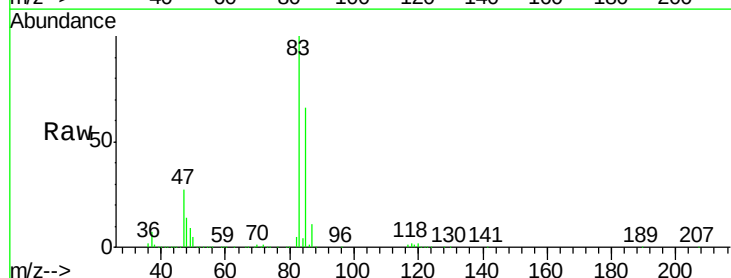
Acq: 31 Aug 2020 14:59

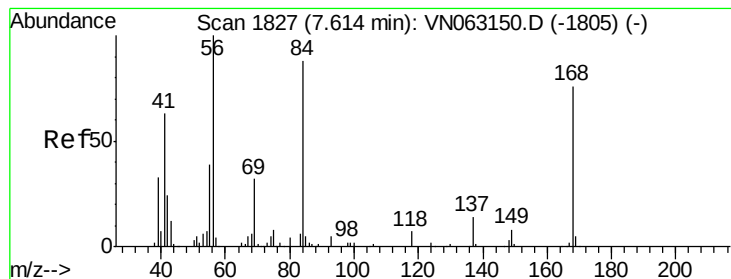
Tgt Ion: 83 Resp: 1830122

Ion Ratio Lower Upper

83 100

85 65.8 51.0 76.6





#31

Cyclohexane

Concen: 141.769 ug/l

RT: 7.61 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN063152.D

Acq: 31 Aug 2020 14:59

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 56 Resp: 1472598

Ion Ratio Lower Upper

56 100

69 30.9 25.4 38.0

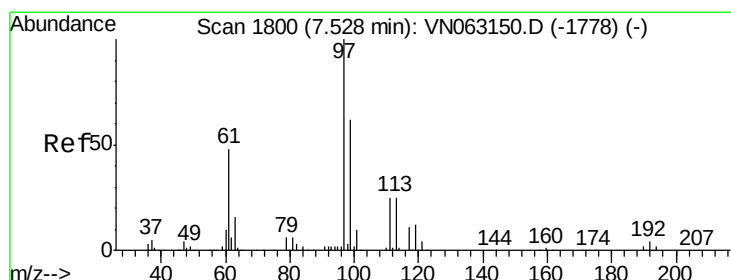
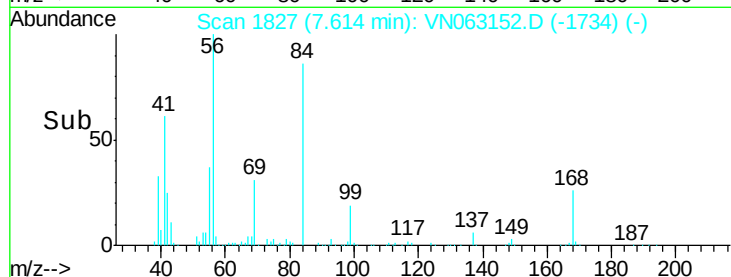
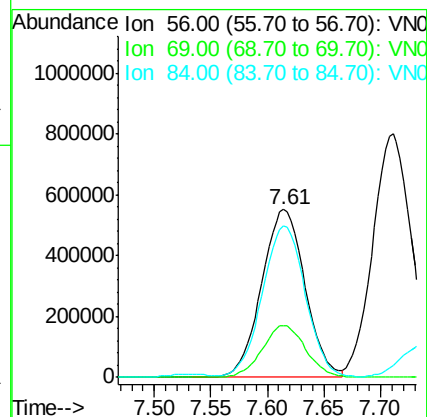
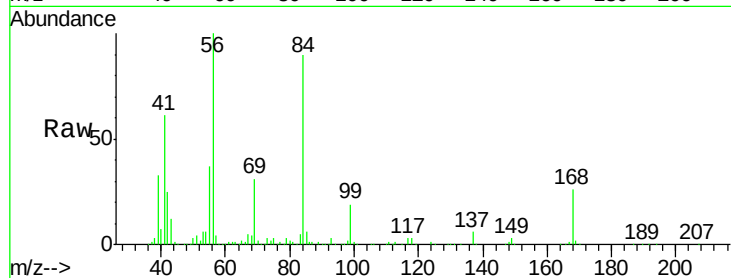
84 88.3 70.2 105.4

Manual Integrations

APPROVED

MMDadoda

9/1/2020 9:07:27 AM



#32

1,1,1-Trichloroethane

Concen: 163.285 ug/l

RT: 7.53 min Scan# 1801

Delta R.T. 0.00 min

Lab File: VN063152.D

Acq: 31 Aug 2020 14:59

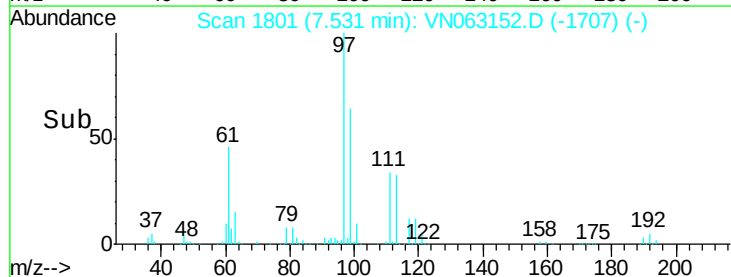
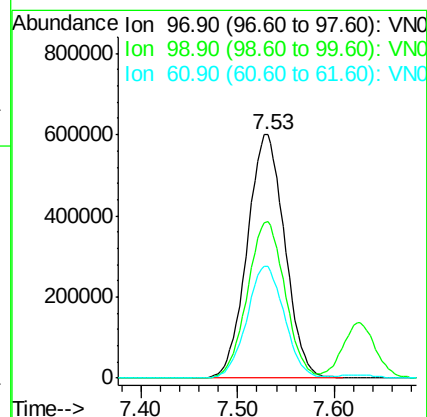
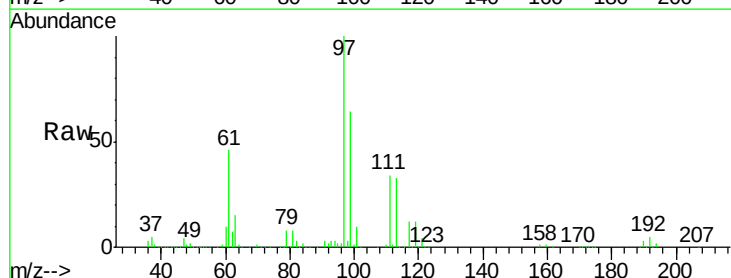
Tgt Ion: 97 Resp: 1621667

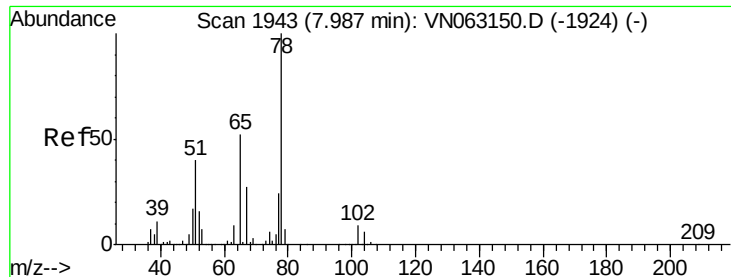
Ion Ratio Lower Upper

97 100

99 64.0 50.8 76.2

61 45.7 37.4 56.2





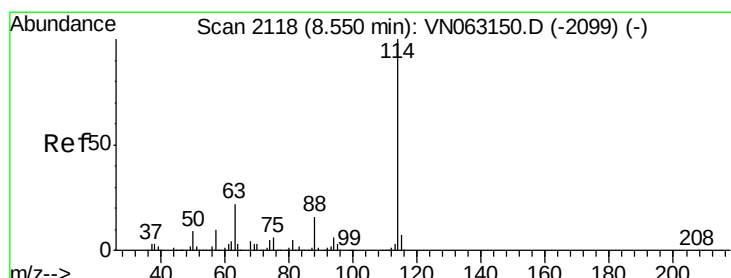
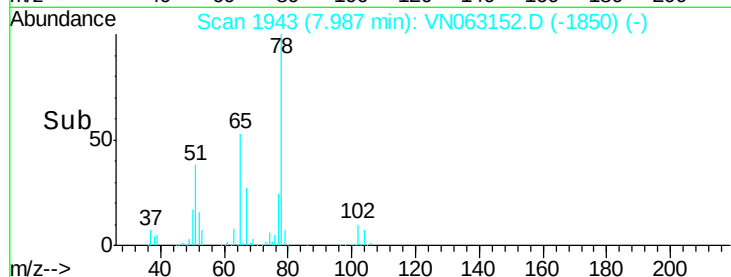
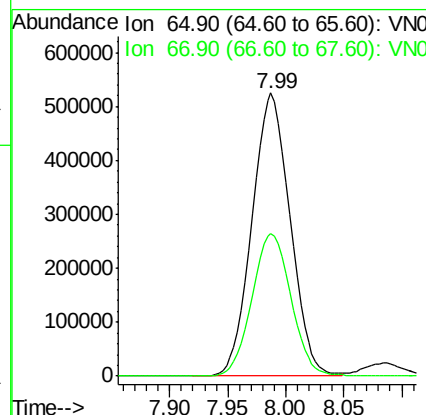
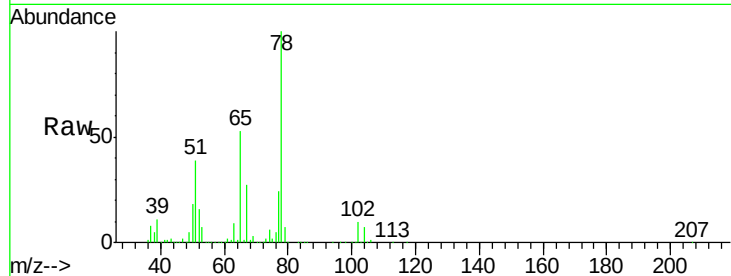
#33
 1,2-Dichloroethane-d4
 Concen: 173.157 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN063152.D
 Acq: 31 Aug 2020 14:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	104.4

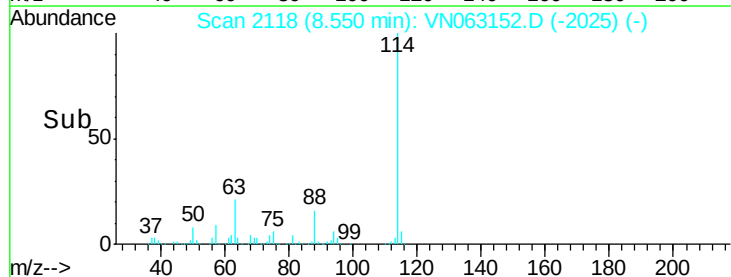
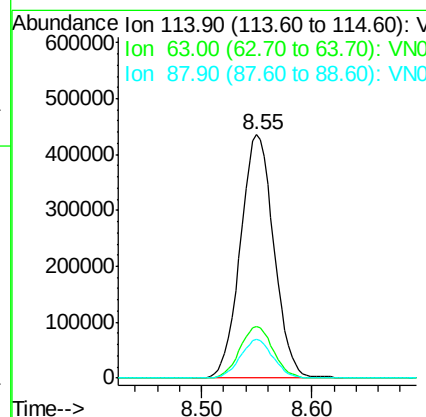
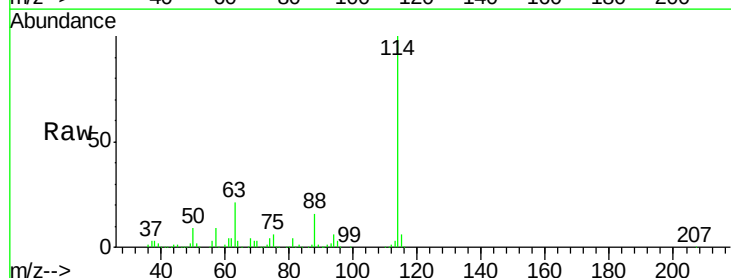
Manual Integrations
 APPROVED

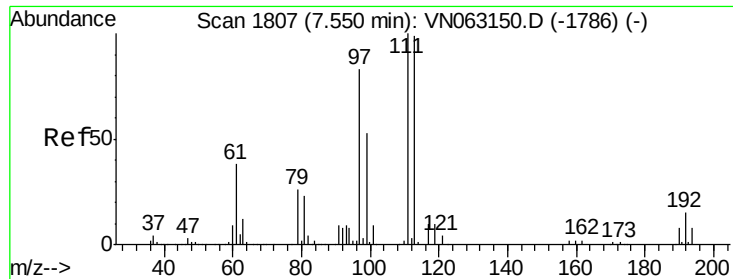
MMDadoda
 9/1/2020 9:07:27 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN063152.D
 Acq: 31 Aug 2020 14:59

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	43.0
88	15.8	0.0	31.6





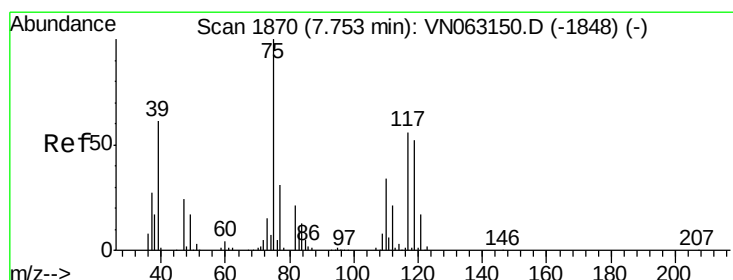
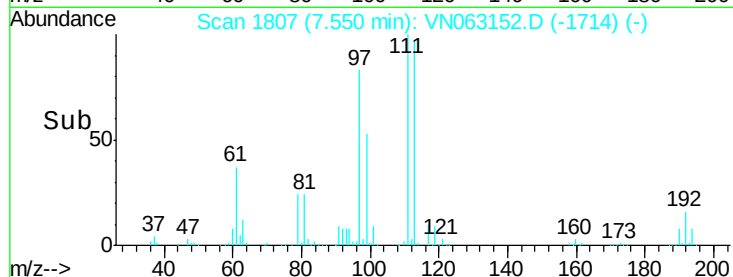
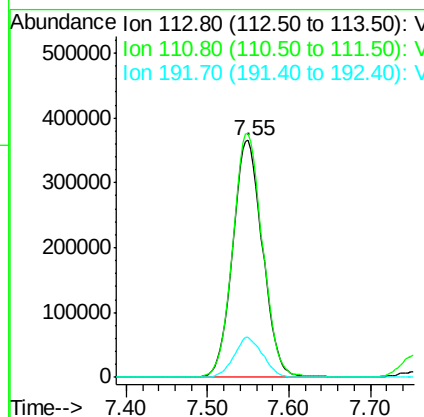
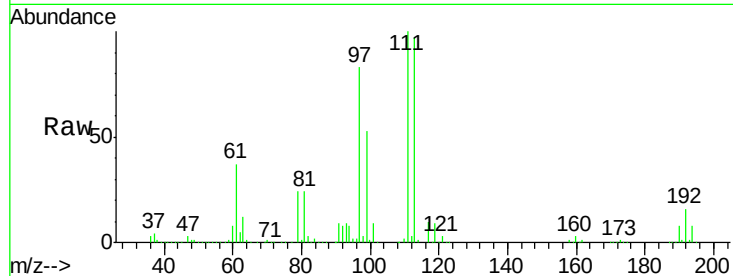
#35
 Dibromofluoromethane
 Concen: 126.006 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN063152.D
 Acq: 31 Aug 2020 14:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
113	100	931579		
111	103.0	80.7	121.1	
192	16.3	12.6	19.0	

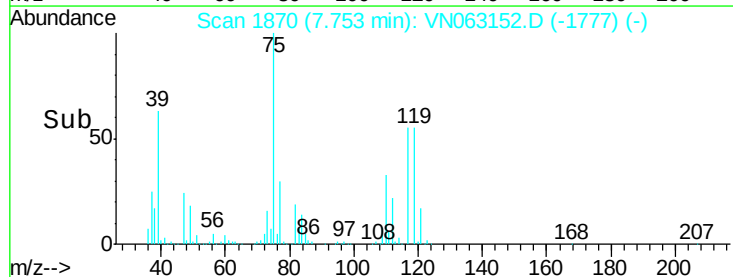
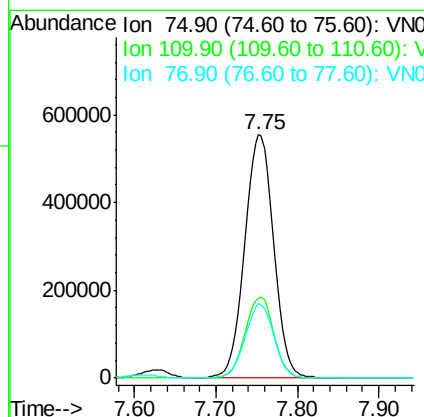
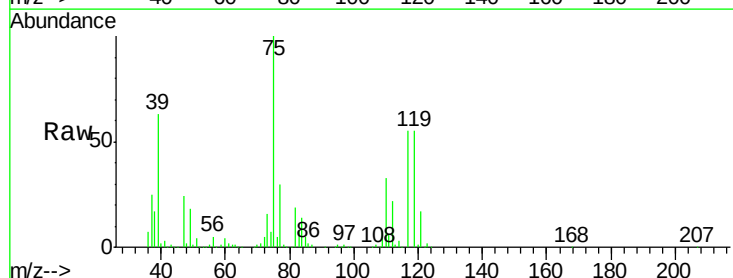
Manual Integrations
 APPROVED

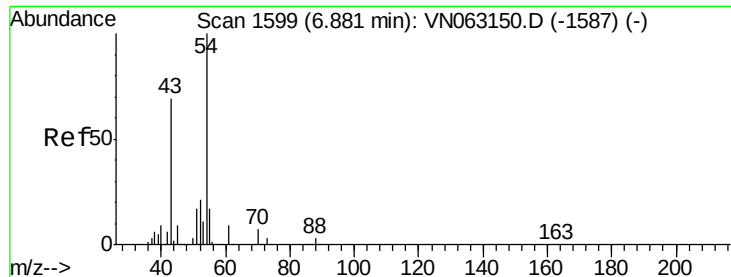
MMDadoda
 9/1/2020 9:07:27 AM



#36
 1,1-Dichloropropene
 Concen: 134.752 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. 0.00 min
 Lab File: VN063152.D
 Acq: 31 Aug 2020 14:59

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	1346302		
110	33.1	16.6	49.8	
77	30.7	25.4	38.2	





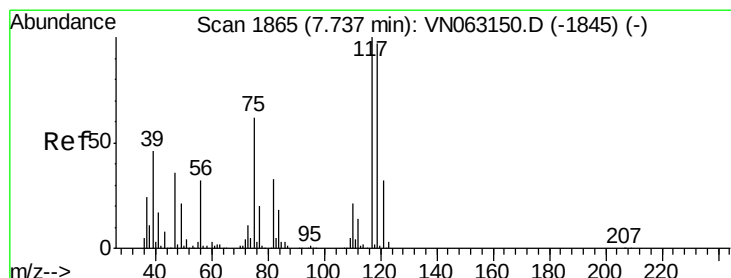
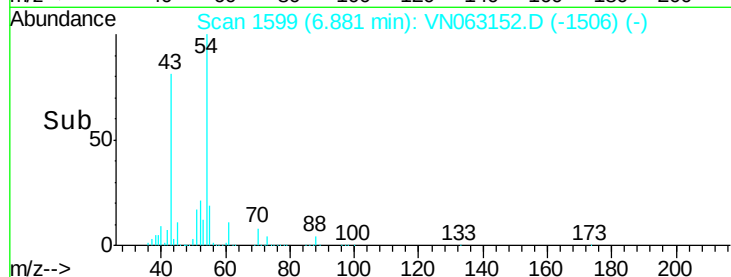
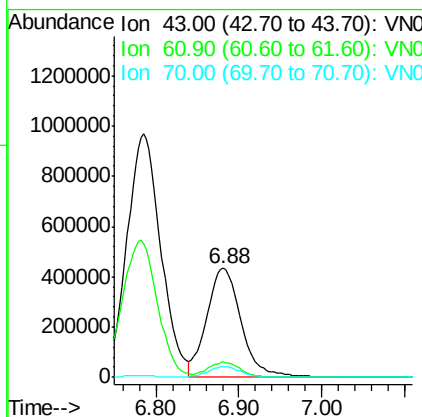
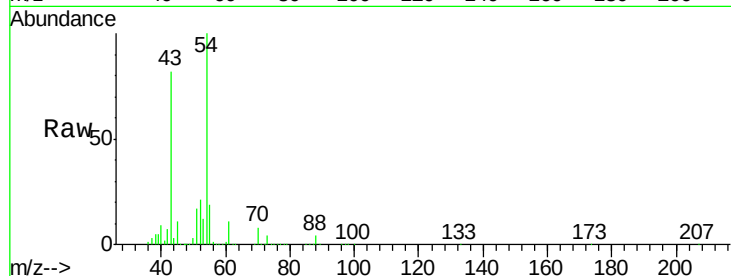
#37
Ethyl Acetate
Concen: 170.359 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VN063152.D
Acq: 31 Aug 2020 14:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 1236663
Ion Ratio Lower Upper
43 100
61 13.2 10.2 15.4
70 9.5 3.0 4.6#

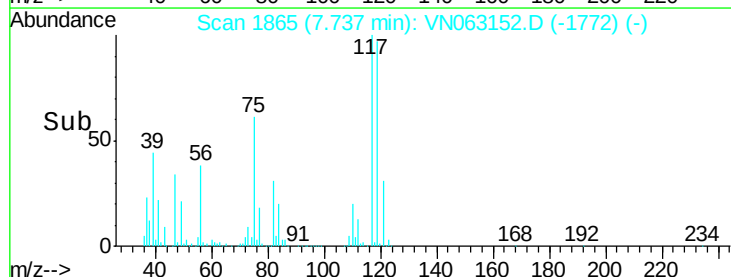
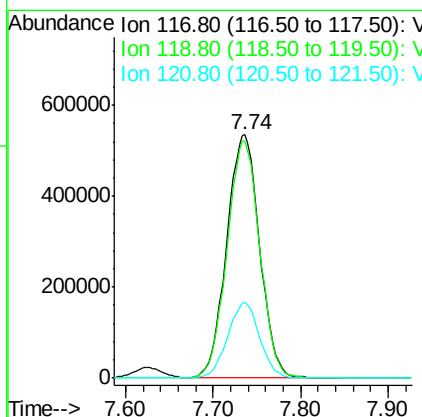
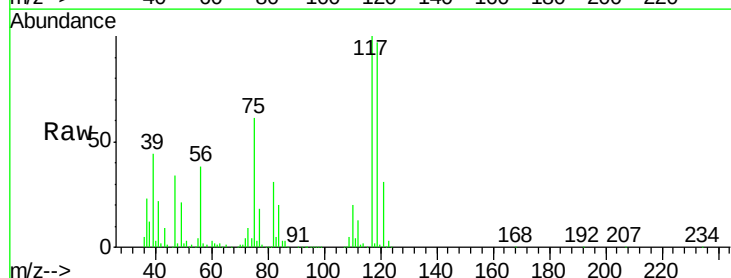
Manual Integrations
APPROVED

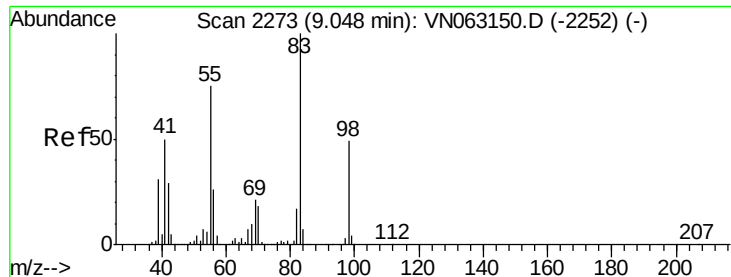
MMDadoda
9/1/2020 9:07:27 AM



#38
Carbon Tetrachloride
Concen: 129.796 ug/l
RT: 7.74 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN063152.D
Acq: 31 Aug 2020 14:59

Tgt Ion: 117 Resp: 1390686
Ion Ratio Lower Upper
117 100
119 97.2 77.2 115.8
121 31.1 25.6 38.4





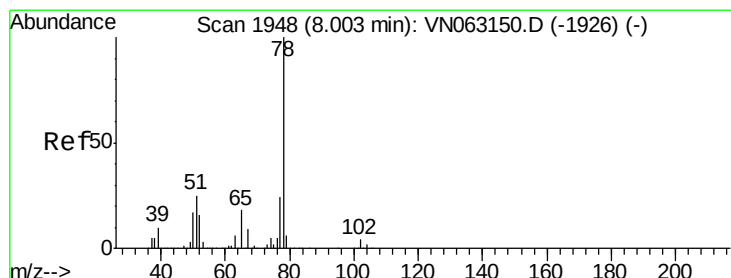
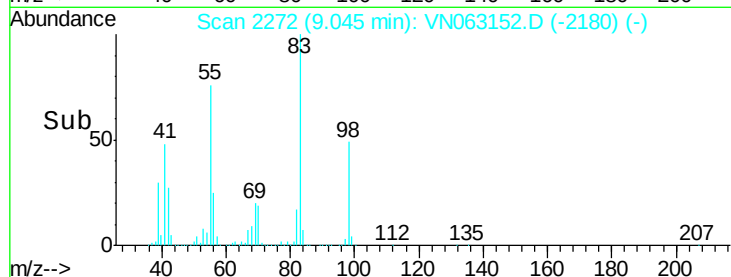
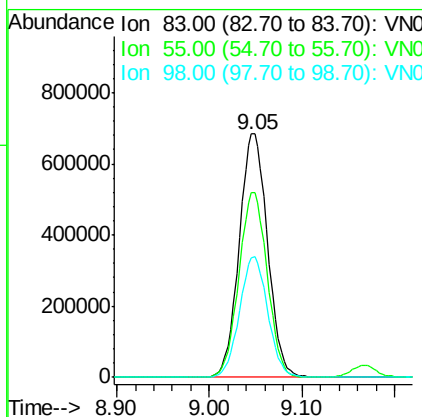
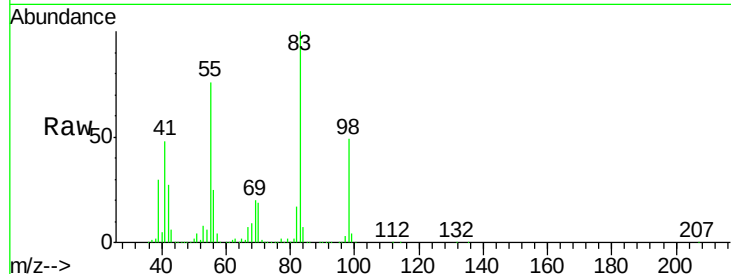
#39
Methylvlcyclohexane
Concen: 138.840 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN063152.D
Acq: 31 Aug 2020 14:59

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.0	60.3	90.5
98	49.2	38.9	58.3

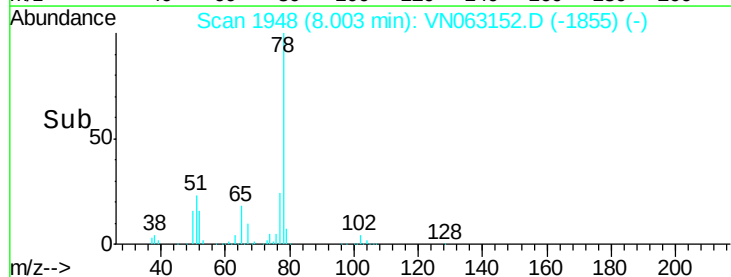
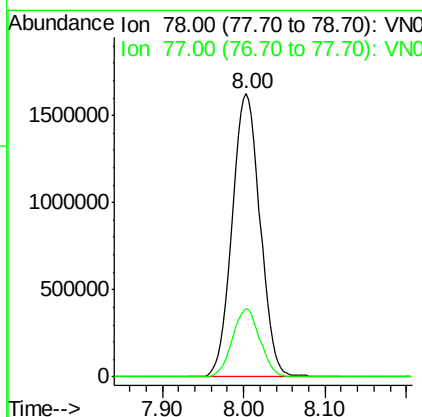
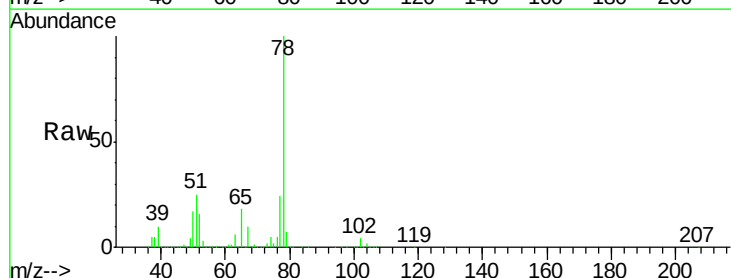
Manual Integrations
APPROVED

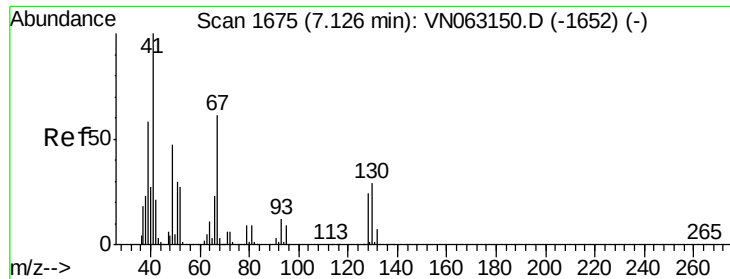
MMDadoda
9/1/2020 9:07:27 AM



#40
Benzene
Concen: 127.526 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN063152.D
Acq: 31 Aug 2020 14:59

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.3	28.9





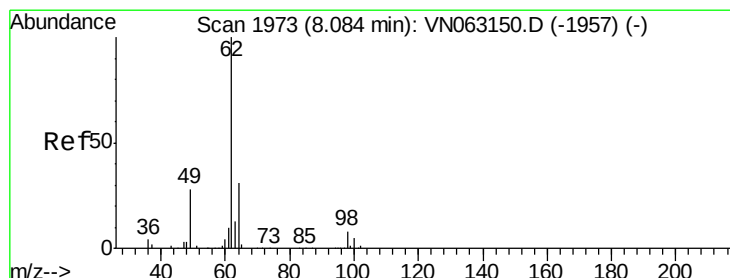
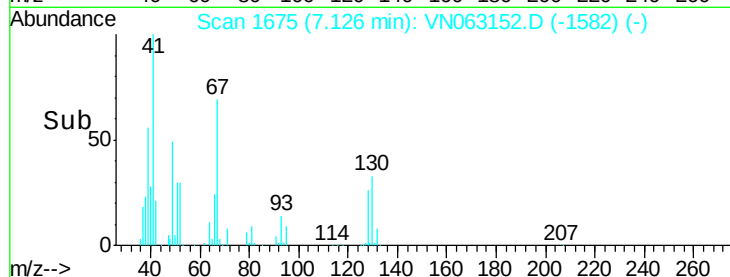
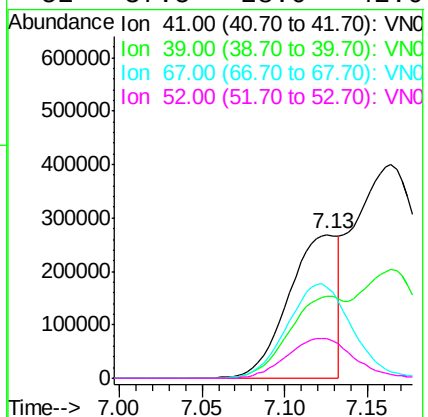
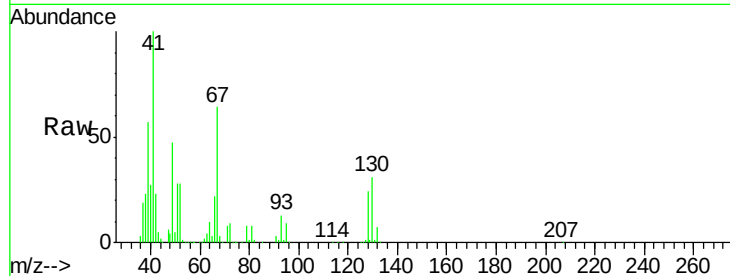
#41
Methacrylonitrile
Concen: 153.716 ug/l
RT: 7.13 min Scan# 1675
Delta R.T. 0.00 min
Lab File: VN063152.D
Acq: 31 Aug 2020 14:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	66.1	46.6	70.0	
67	86.9	62.6	94.0	
52	37.5	28.0	42.0	

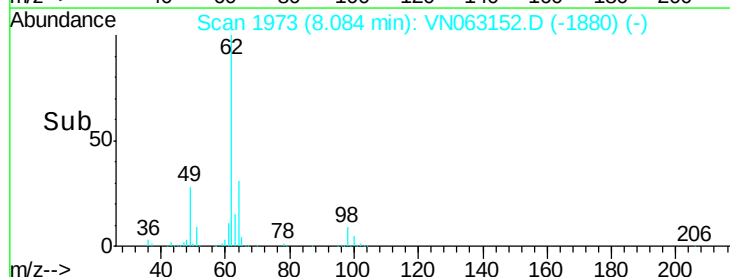
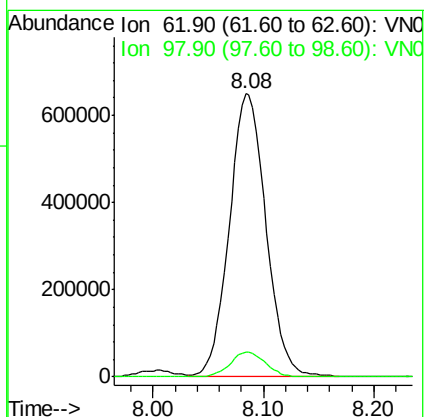
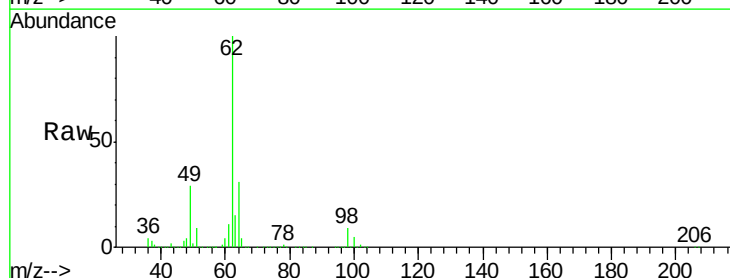
Manual Integrations
APPROVED

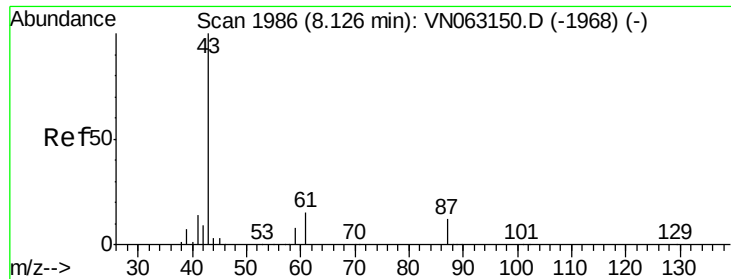
MMDadoda
9/1/2020 9:07:27 AM



#42
1,2-Dichloroethane
Concen: 143.845 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VN063152.D
Acq: 31 Aug 2020 14:59

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.7	0.0	17.2	





#43

Isopropyl Acetate

Concen: 175.493 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN063152.D

Acq: 31 Aug 2020 14:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 2230110

Ion Ratio Lower Upper

43 100

61 25.6 20.2 30.4

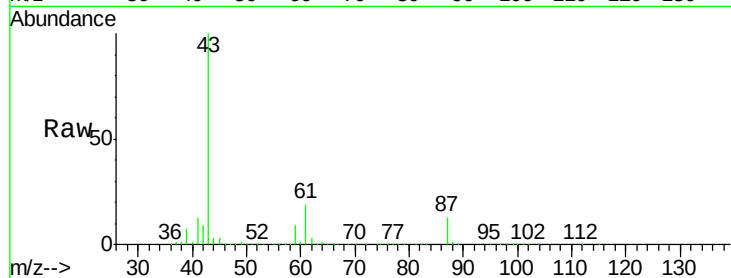
87 12.5 9.8 14.6

Manual Integrations

APPROVED

MMDadoda

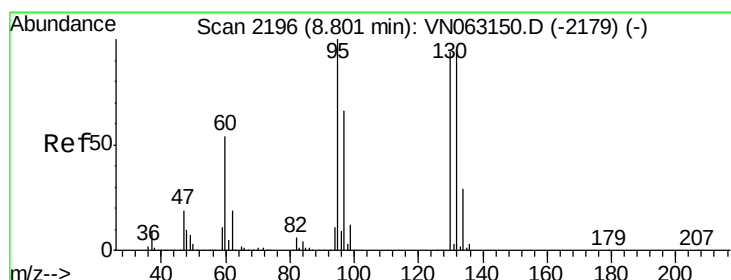
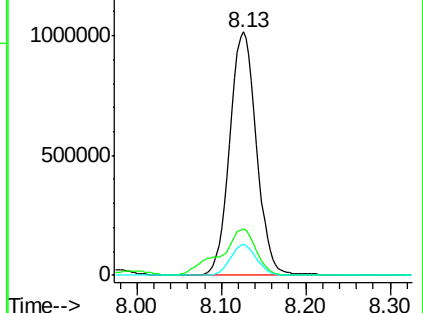
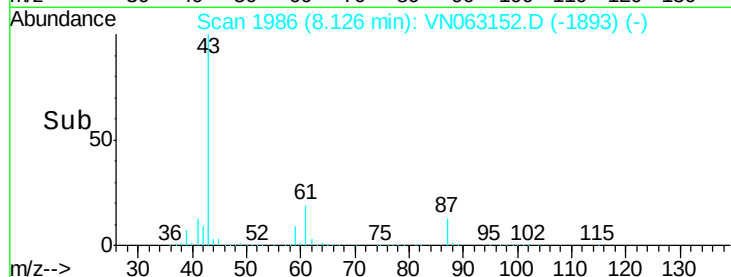
9/1/2020 9:07:27 AM



Abundance Ion 43.00 (42.70 to 43.70): VN063152.D (-1893) (-)

Ion 61.00 (60.70 to 61.70): VN063152.D (-1893) (-)

Ion 87.00 (86.70 to 87.70): VN063152.D (-1893) (-)



#44

Trichloroethene

Concen: 120.889 ug/l

RT: 8.80 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN063152.D

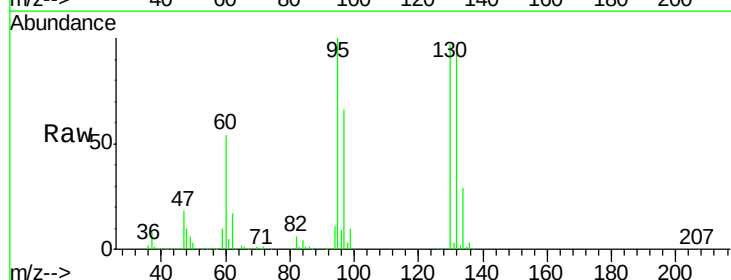
Acq: 31 Aug 2020 14:59

Tgt Ion:130 Resp: 956972

Ion Ratio Lower Upper

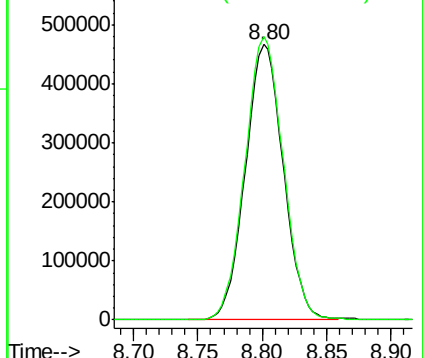
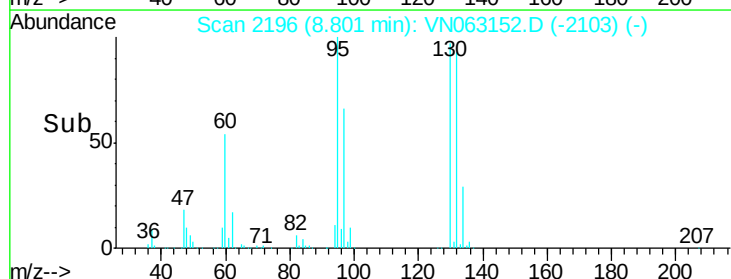
130 100

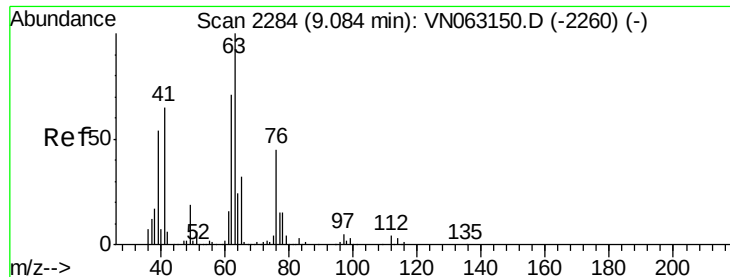
95 102.9 0.0 212.0



Abundance Ion 129.80 (129.50 to 130.50): VN063152.D (-2103) (-)

Ion 94.90 (94.60 to 95.60): VN063152.D (-2103) (-)





#45

1,2-Dichloropropane

Concen: 123.789 ug/l

RT: 9.08 min Scan# 2284

Delta R.T. 0.00 min

Lab File: VN063152.D

Acq: 31 Aug 2020 14:59

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 63 Resp: 1015408

Ion Ratio Lower Upper

63 100

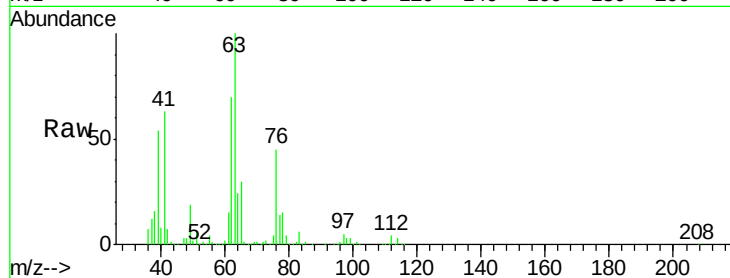
65 29.6 25.4 38.0

Manual Integrations

APPROVED

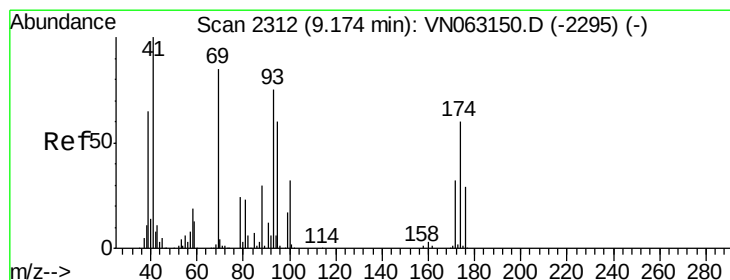
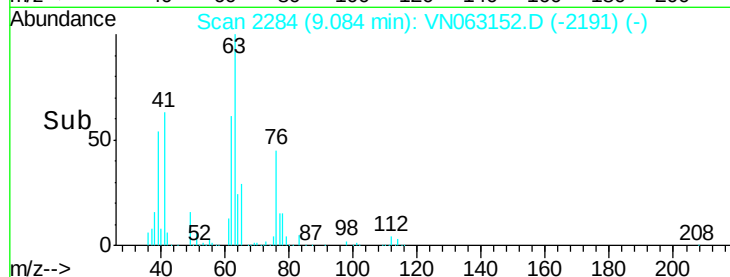
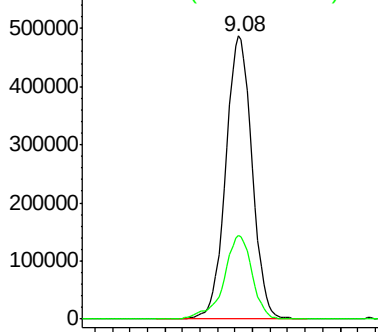
MMDadoda

9/1/2020 9:07:27 AM



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 135.307 ug/l

RT: 9.17 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN063152.D

Acq: 31 Aug 2020 14:59

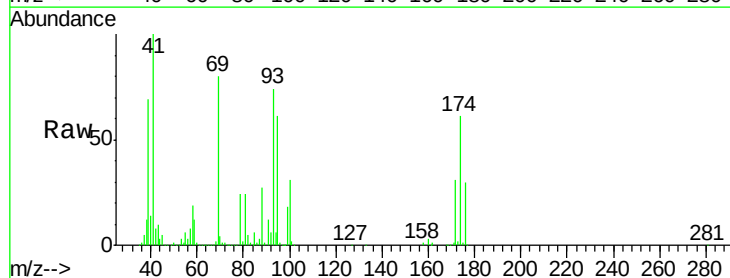
Tgt Ion: 93 Resp: 696879

Ion Ratio Lower Upper

93 100

95 82.8 65.2 97.8

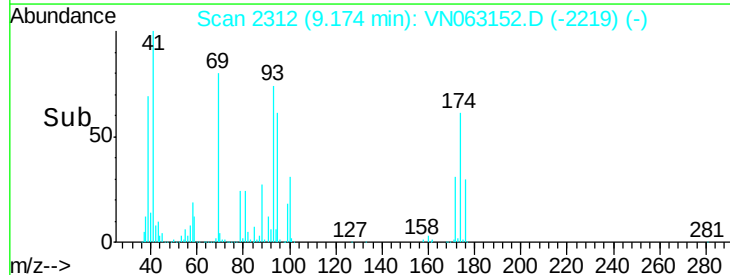
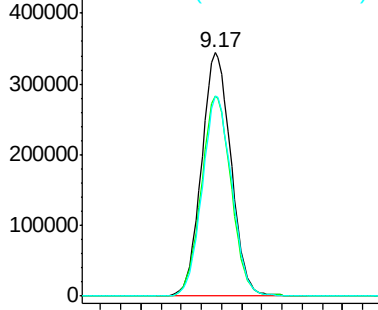
174 82.3 64.6 97.0

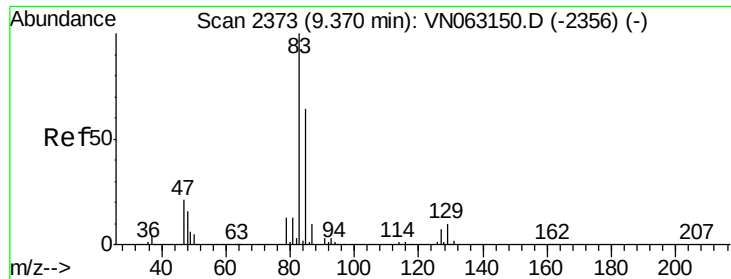


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





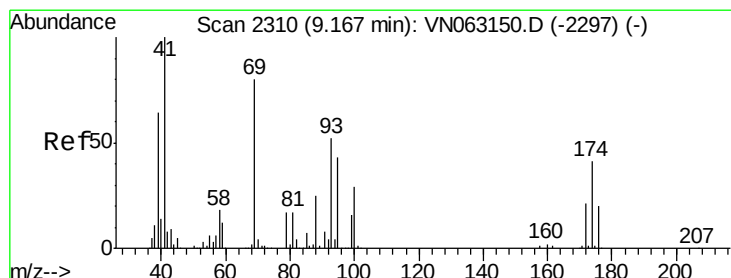
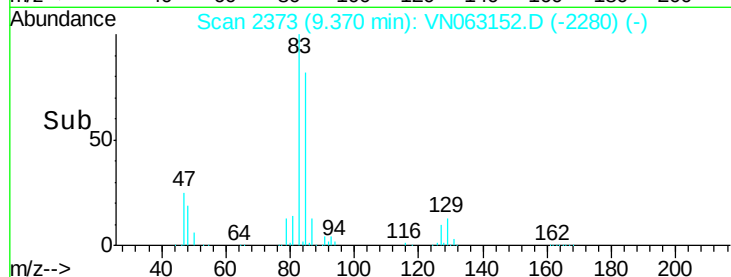
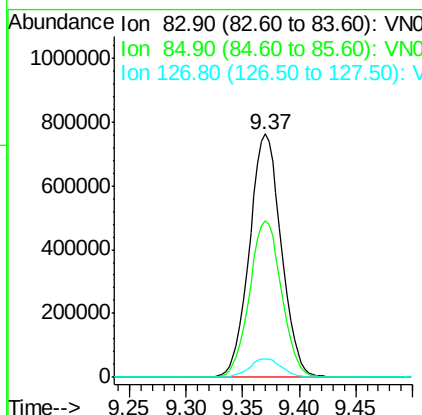
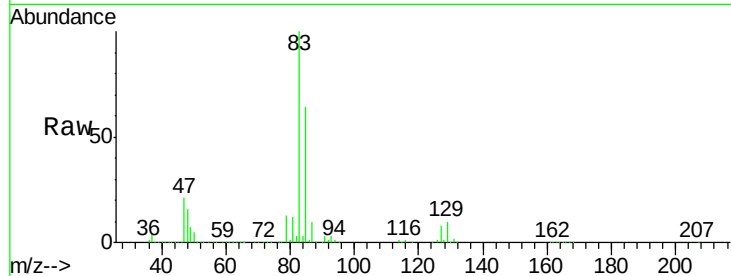
#47
Bromodichloromethane
Concen: 139.259 ug/l
RT: 9.37 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN063152.D
Acq: 31 Aug 2020 14:59

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion: 83 Resp: 1489749
Ion Ratio Lower Upper
83 100
85 64.4 51.0 76.6
127 7.8 5.7 8.5

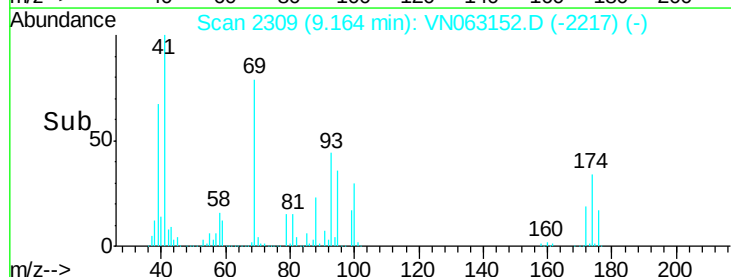
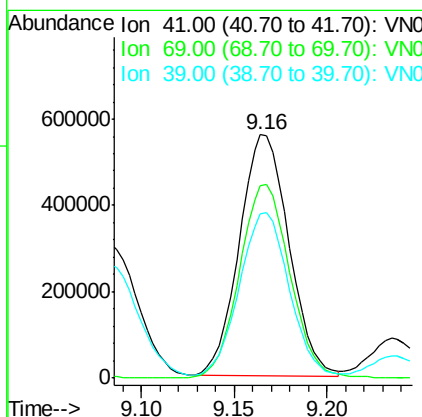
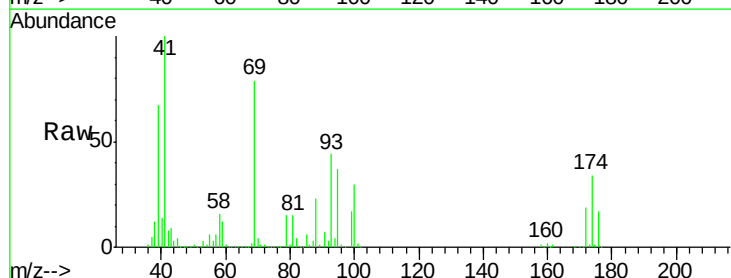
Manual Integrations
APPROVED

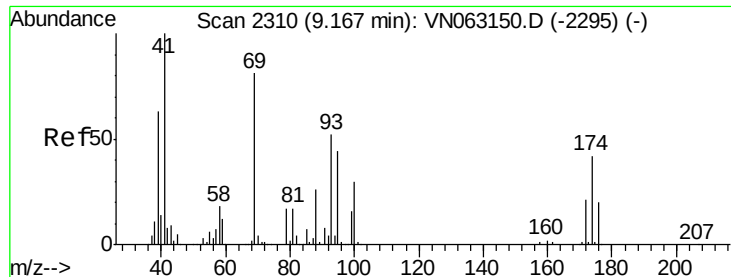
MMDadoda
9/1/2020 9:07:27 AM



#48
Methyl methacrylate
Concen: 165.736 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN063152.D
Acq: 31 Aug 2020 14:59

Tgt Ion: 41 Resp: 1039896
Ion Ratio Lower Upper
41 100
69 81.7 65.9 98.9
39 69.8 52.0 78.0





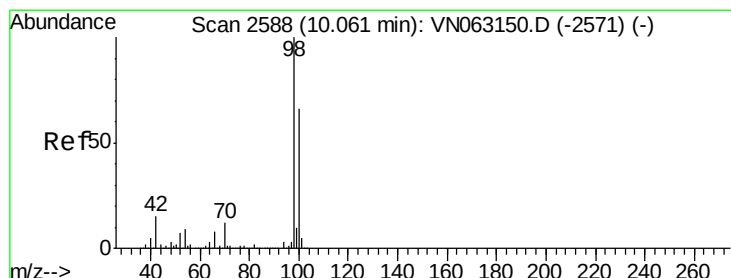
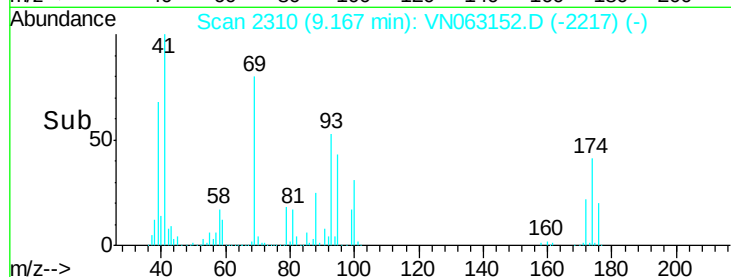
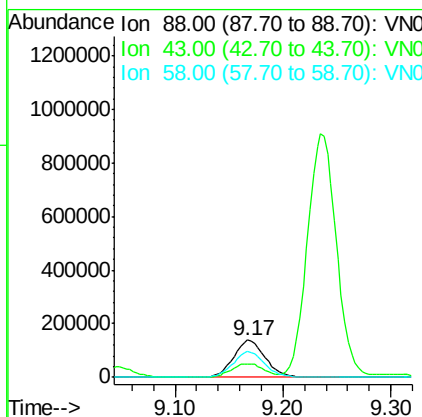
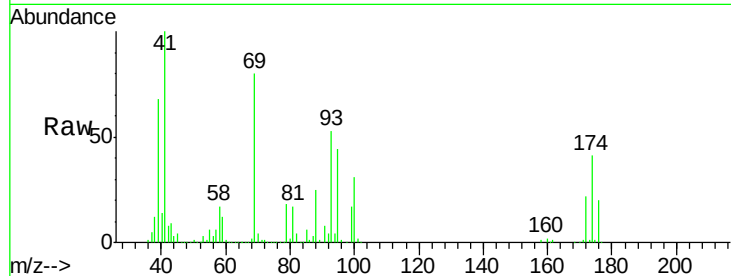
#49
1,4-Dioxane
Concen: 3199.801 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN063152.D
Acq: 31 Aug 2020 14:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
88	100	285107		
43	36.8	28.6	42.8	
58	68.8	53.2	79.8	

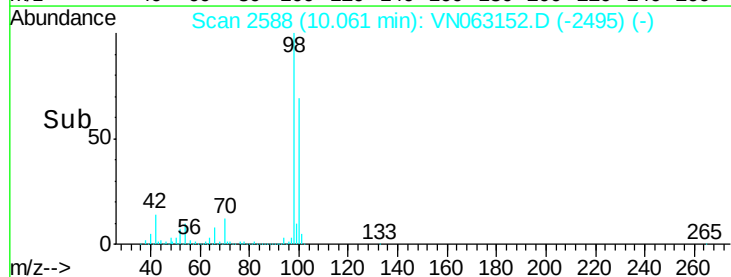
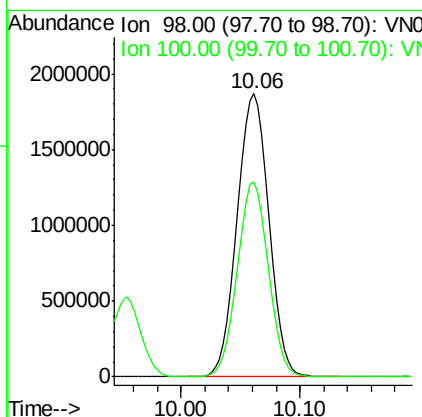
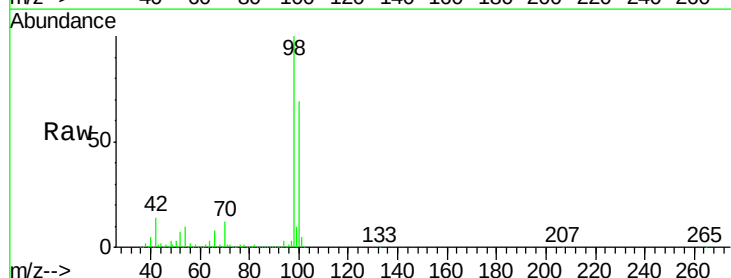
Manual Integrations
APPROVED

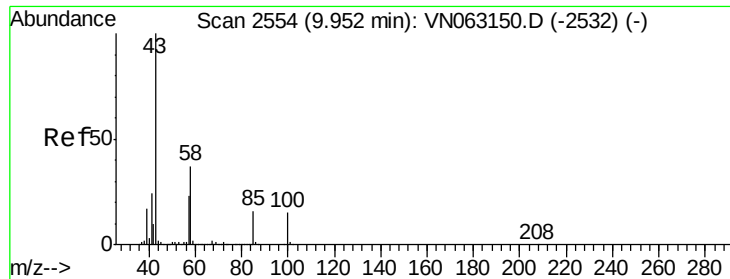
MMDadoda
9/1/2020 9:07:27 AM



#50
Toluene-d8
Concen: 128.702 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN063152.D
Acq: 31 Aug 2020 14:59

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	3472934		
100	67.2	52.0	78.0	





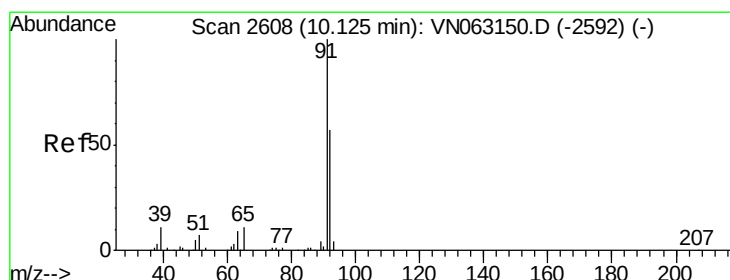
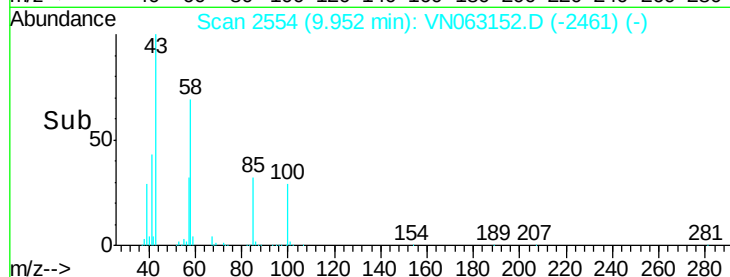
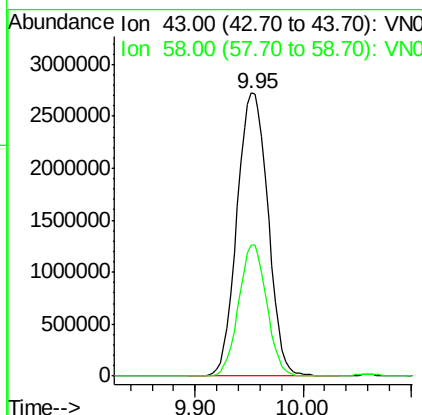
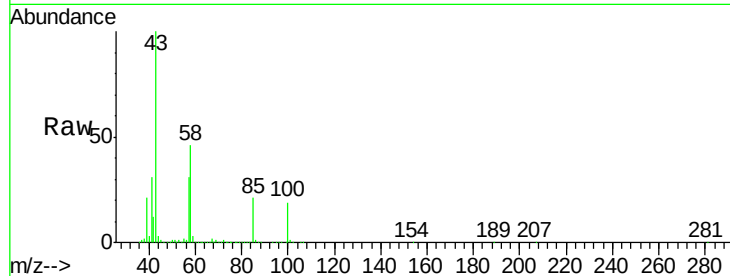
#51
 4-Methyl-2-Pentanone
 Concen: 769.573 ug/l
 RT: 9.95 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN063152.D
 Acq: 31 Aug 2020 14:59

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tot Ion: 43 Resp: 5443923
 Ion Ratio Lower Upper
 43 100
 58 42.3 29.2 43.8

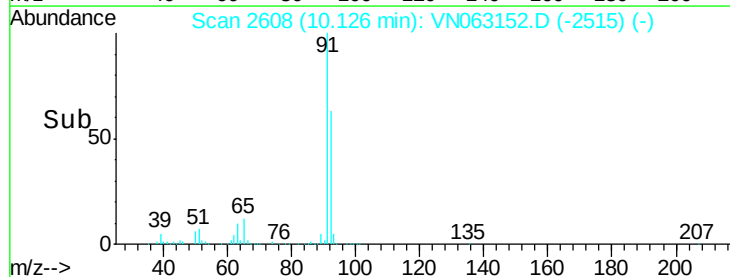
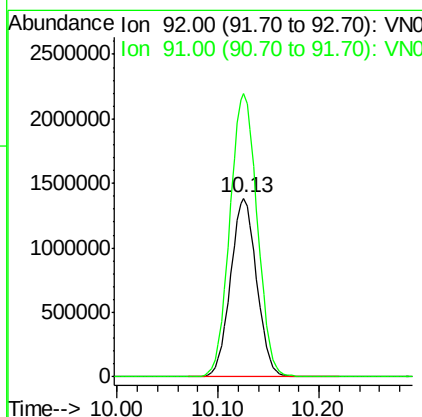
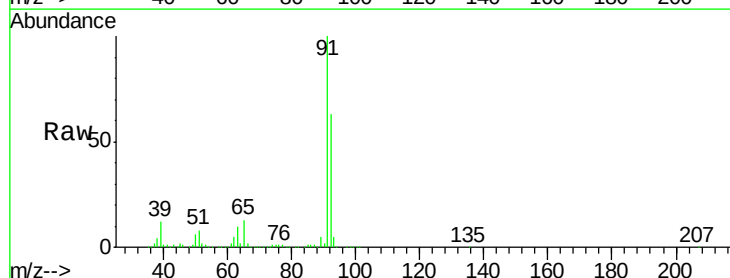
Manual Integrations
 APPROVED

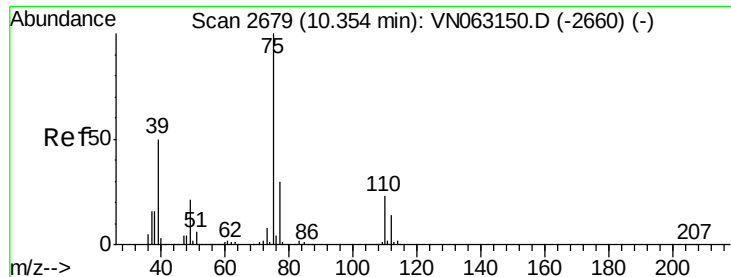
MMDadoda
 9/1/2020 9:07:27 AM



#52
 Toluene
 Concen: 137.671 ug/l
 RT: 10.13 min Scan# 2608
 Delta R.T. 0.00 min
 Lab File: VN063152.D
 Acq: 31 Aug 2020 14:59

Tgt Ion: 92 Resp: 2496564
 Ion Ratio Lower Upper
 92 100
 91 166.2 141.2 211.8





#53

t-1,3-Dichloropropene

Concen: 156.126 ug/l

RT: 10.35 min Scan# 2678

Delta R.T. -0.00 min

Lab File: VN063152.D

Acq: 31 Aug 2020 14:59

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 75 Resp: 1681626

Ion Ratio Lower Upper

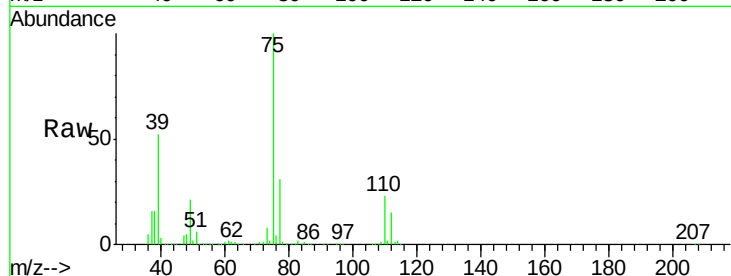
75 100

77 31.0 24.2 36.2

Manual Integrations
APPROVED

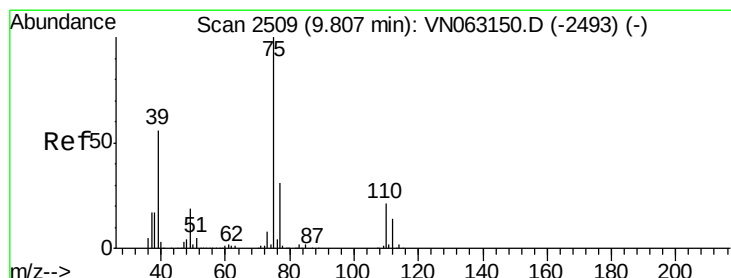
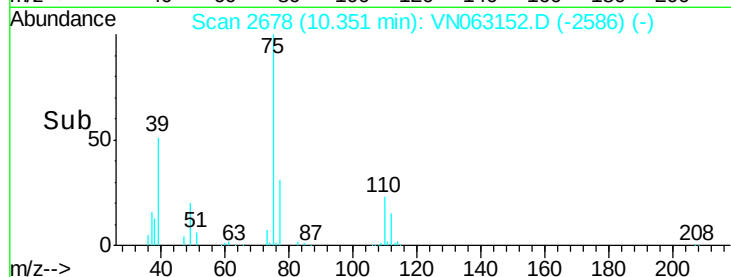
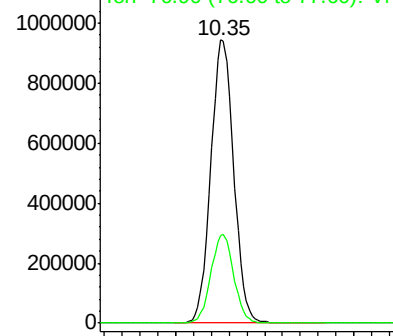
MMDadoda

9/1/2020 9:07:27 AM



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 151.461 ug/l

RT: 9.81 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN063152.D

Acq: 31 Aug 2020 14:59

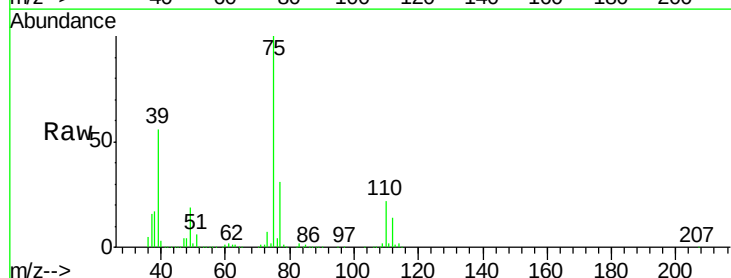
Tgt Ion: 75 Resp: 1774417

Ion Ratio Lower Upper

75 100

77 31.5 24.8 37.2

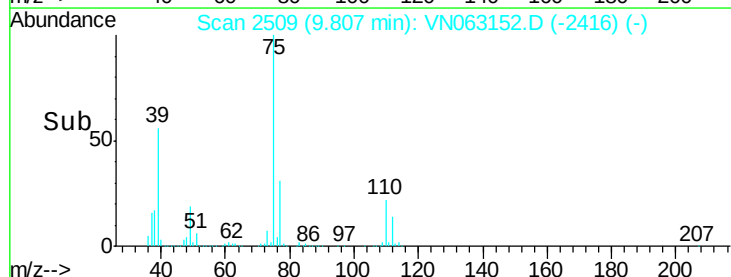
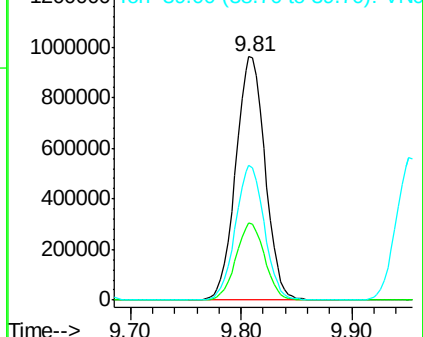
39 55.6 45.0 67.6

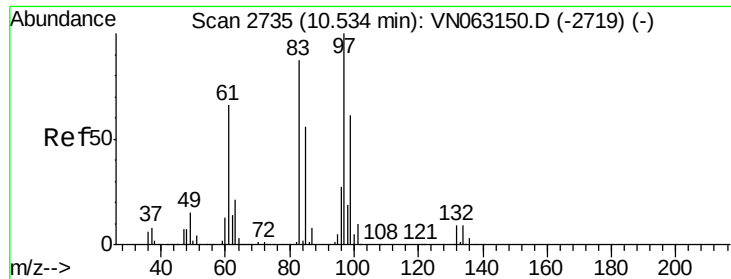


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





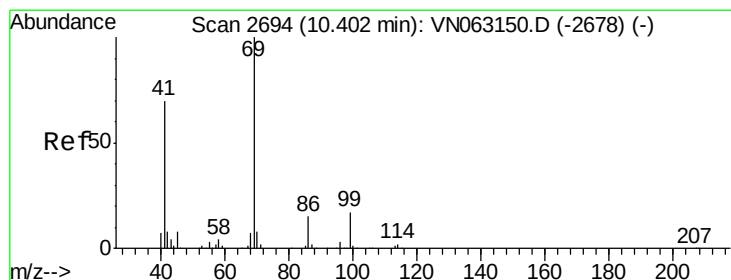
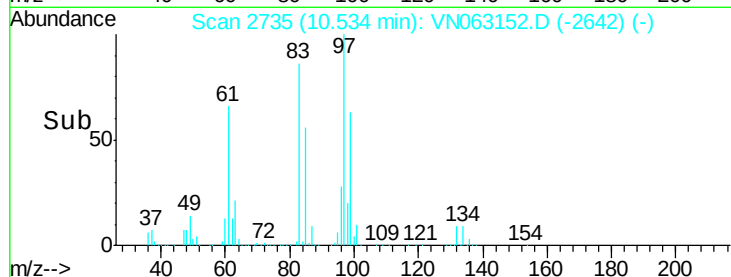
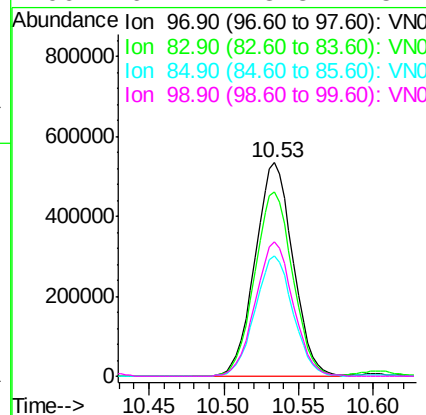
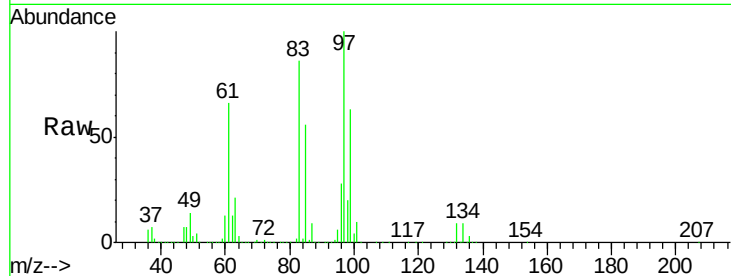
#55
 1,1,2-Trichloroethane
 Concen: 125.326 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN063152.D
 Acq: 31 Aug 2020 14:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		942745		
83	86.3	69.8	104.8		
85	56.2	44.9	67.3		
99	62.7	48.8	73.2		

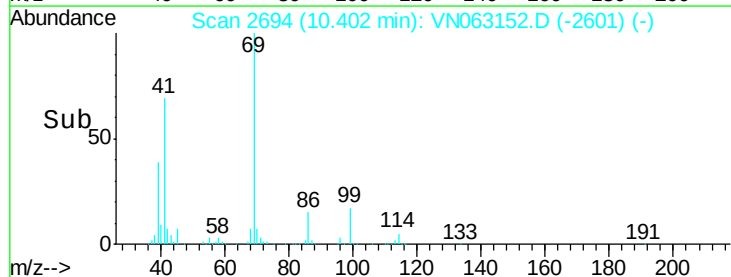
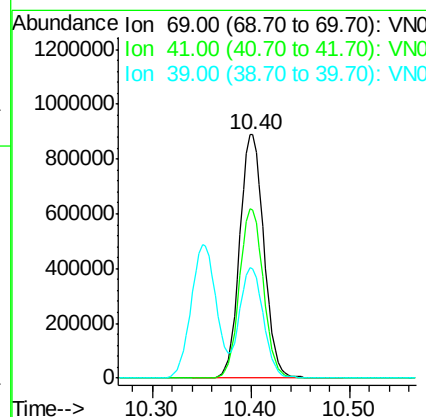
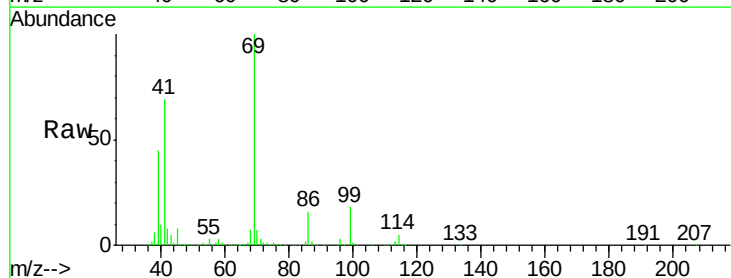
Manual Integrations
 APPROVED

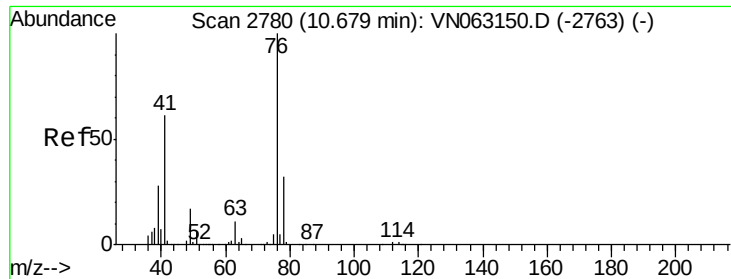
MMDadoda
 9/1/2020 9:07:27 AM



#56
 Ethyl methacrylate
 Concen: 168.142 ug/l
 RT: 10.40 min Scan# 2694
 Delta R.T. 0.00 min
 Lab File: VN063152.D
 Acq: 31 Aug 2020 14:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		1511351		
41	68.6	55.5	83.3		
39	45.1	38.2	57.2		





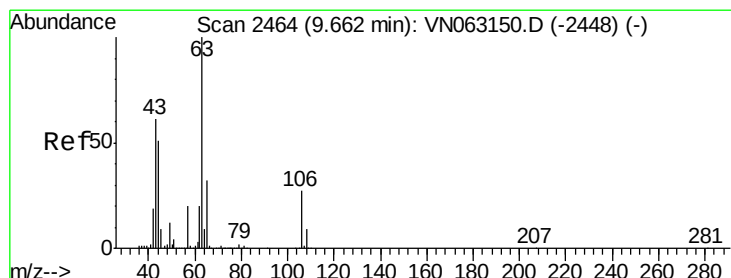
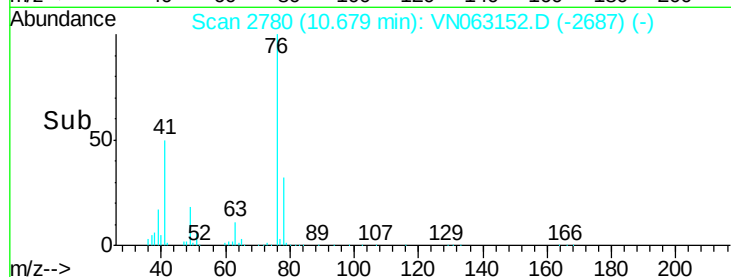
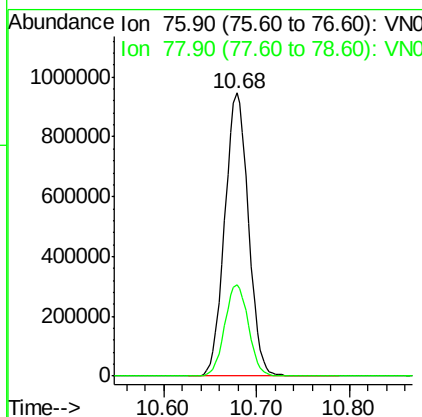
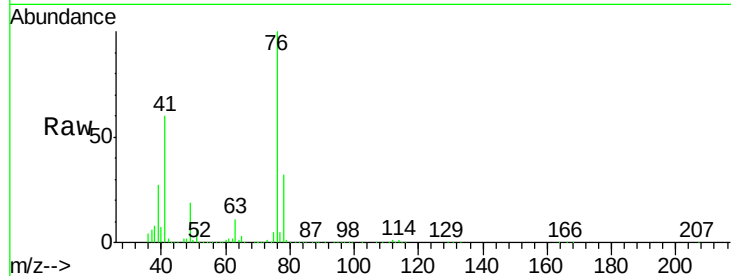
#57
 1,3-Dichloropropane
 Concen: 139.728 ug/l
 RT: 10.68 min Scan# 2780
 Delta R.T. 0.00 min
 Lab File: VN063152.D
 Acq: 31 Aug 2020 14:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 76 Resp: 1675082
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.5 38.3

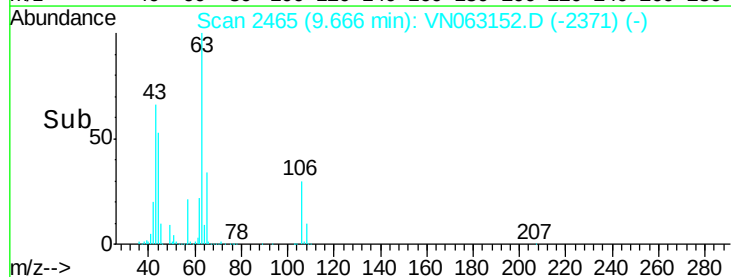
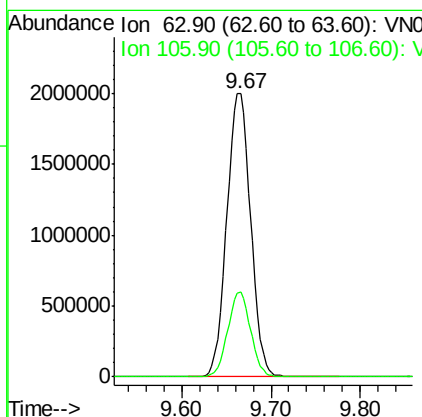
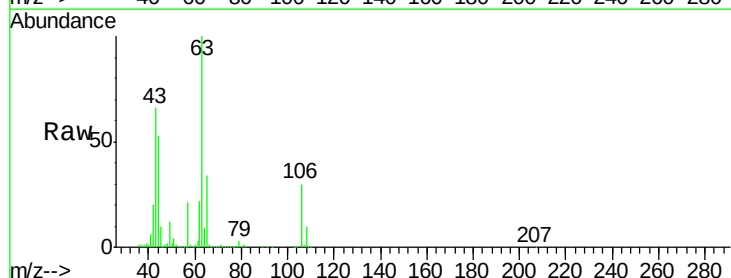
Manual Integrations
 APPROVED

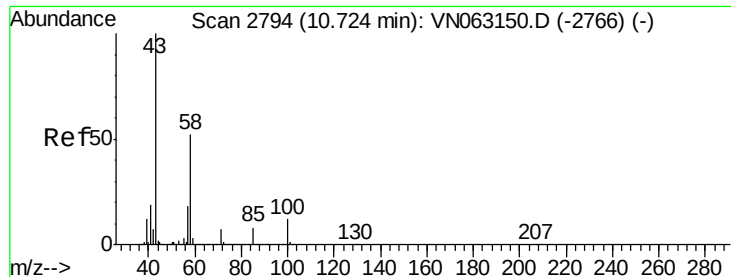
MMDadoda
 9/1/2020 9:07:27 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 888.351 ug/l
 RT: 9.67 min Scan# 2465
 Delta R.T. 0.00 min
 Lab File: VN063152.D
 Acq: 31 Aug 2020 14:59

Tgt Ion: 63 Resp: 3701865
 Ion Ratio Lower Upper
 63 100
 106 28.7 21.8 32.6





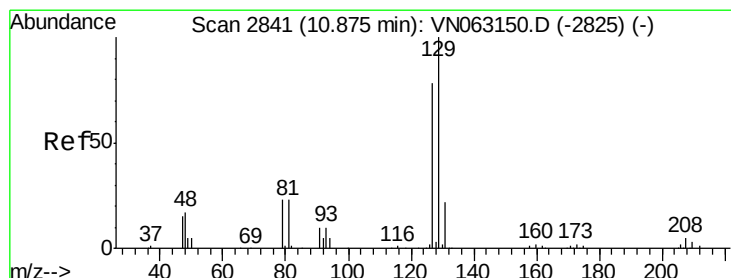
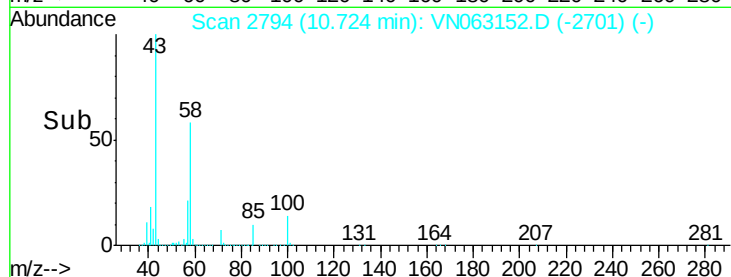
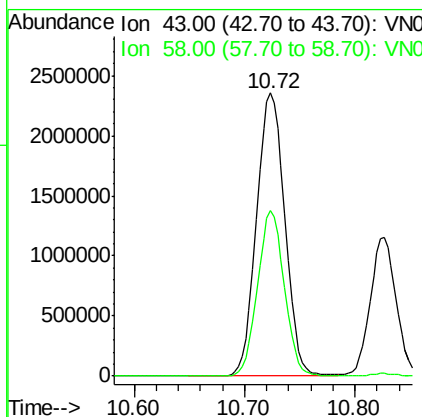
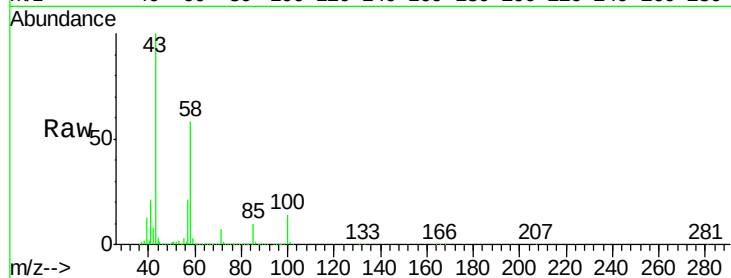
#59
2-Hexanone
Concen: 871.159 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN063152.D
Acq: 31 Aug 2020 14:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tot Ion: 43 Resp: 4182039
Ion Ratio Lower Upper
43 100
58 55.4 25.9 77.8

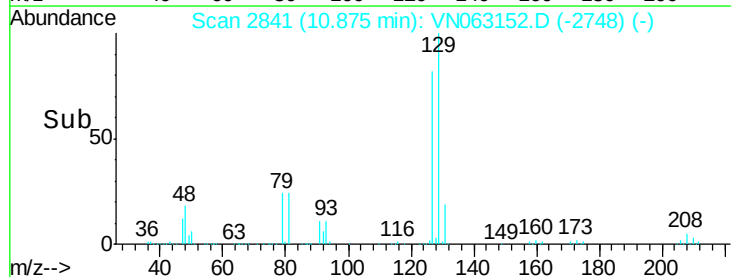
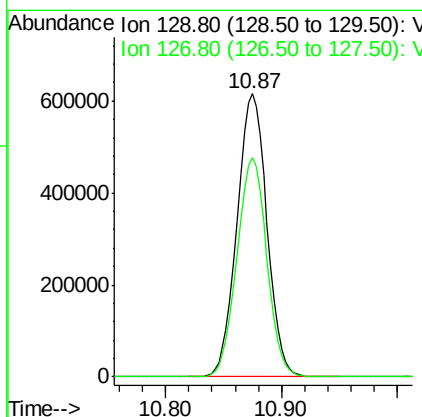
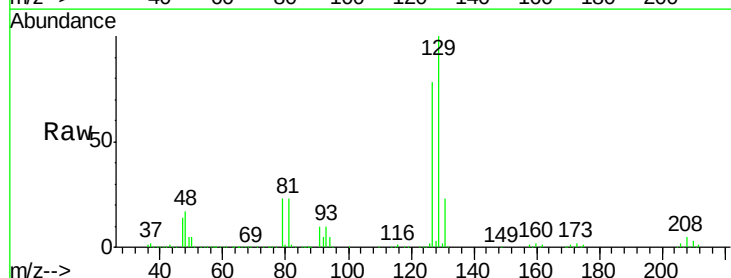
Manual Integrations
APPROVED

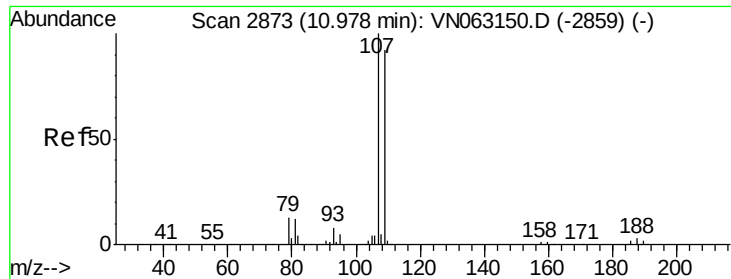
MMDadoda
9/1/2020 9:07:27 AM



#60
Dibromochloromethane
Concen: 133.825 ug/l
RT: 10.87 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN063152.D
Acq: 31 Aug 2020 14:59

Tgt Ion: 129 Resp: 1099827
Ion Ratio Lower Upper
129 100
127 77.5 39.0 117.0





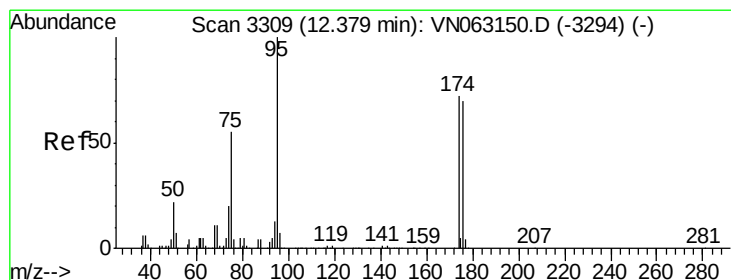
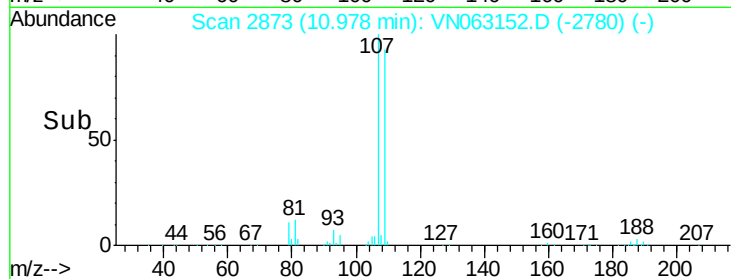
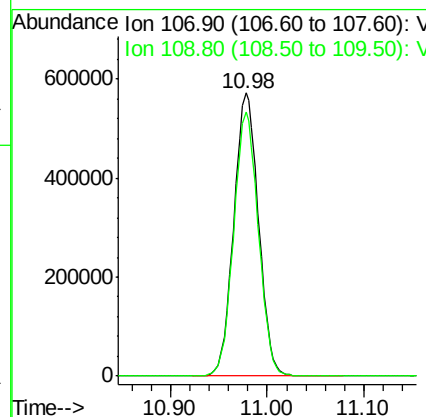
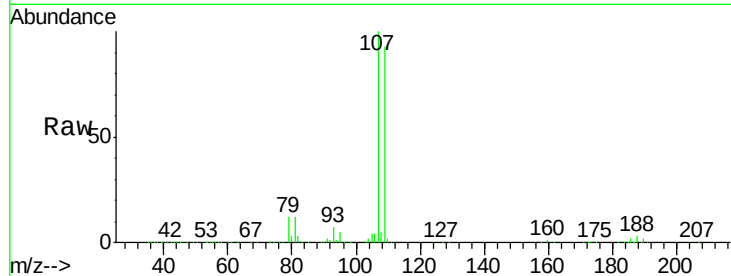
#61
 1,2-Dibromoethane
 Concen: 142.985 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN063152.D
 Acq: 31 Aug 2020 14:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:107 Resp: 1013777
 Ion Ratio Lower Upper
 107 100
 109 93.3 73.4 110.0

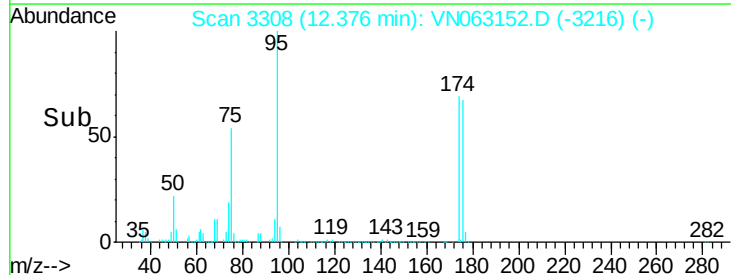
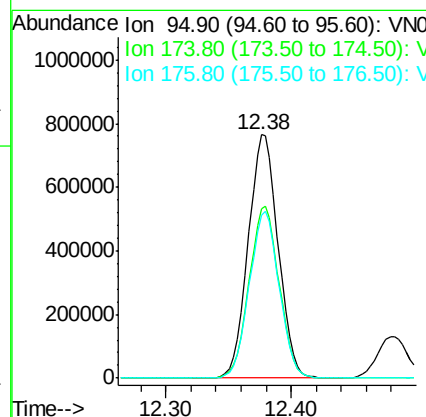
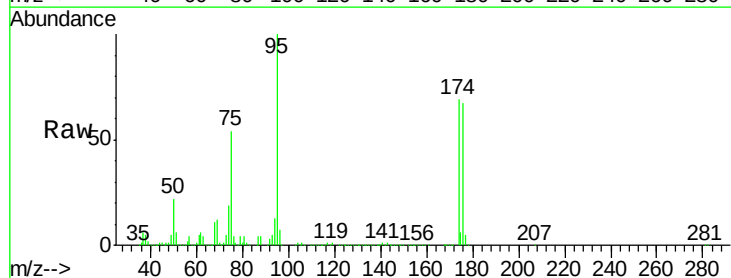
Manual Integrations
 APPROVED

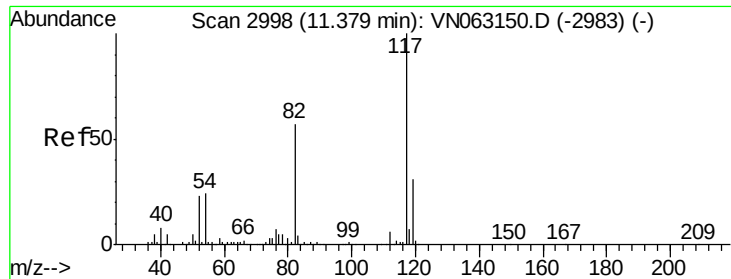
MMDadoda
 9/1/2020 9:07:27 AM



#62
 4-Bromofluorobenzene
 Concen: 136.256 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. -0.00 min
 Lab File: VN063152.D
 Acq: 31 Aug 2020 14:59

Tgt Ion: 95 Resp: 1270249
 Ion Ratio Lower Upper
 95 100
 174 70.7 0.0 143.8
 176 68.2 0.0 138.4





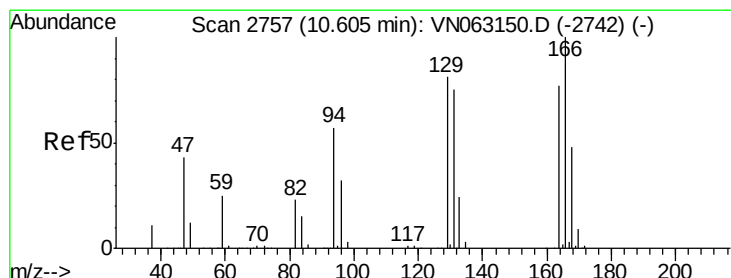
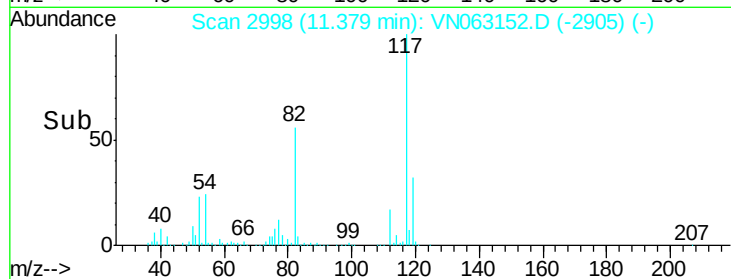
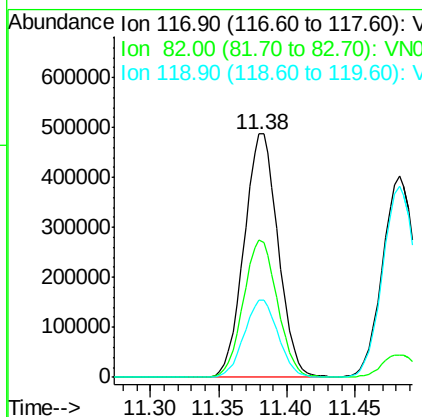
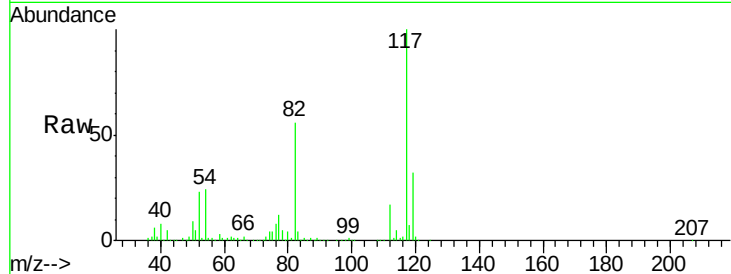
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063152.D
Acq: 31 Aug 2020 14:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
117	100	842551		
82	56.4	45.4	68.0	
119	32.0	24.6	37.0	

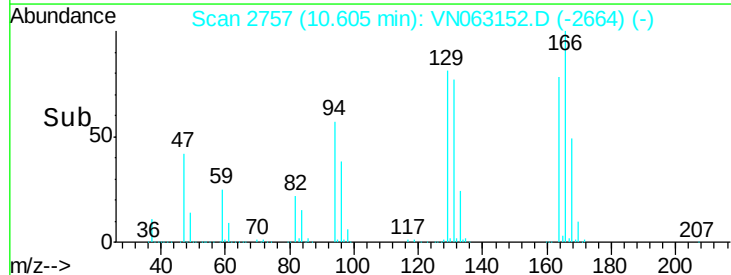
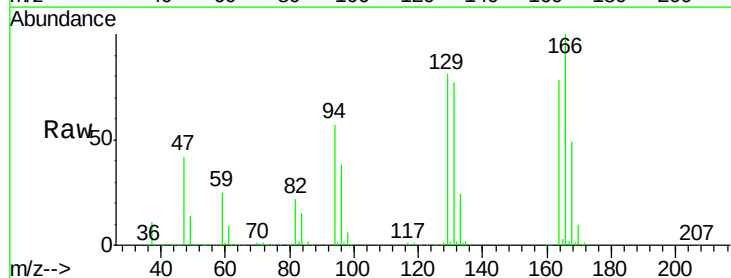
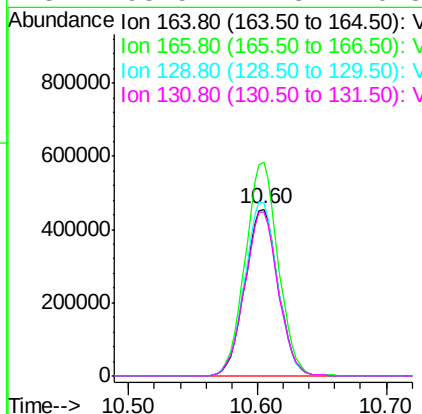
Manual Integrations
APPROVED

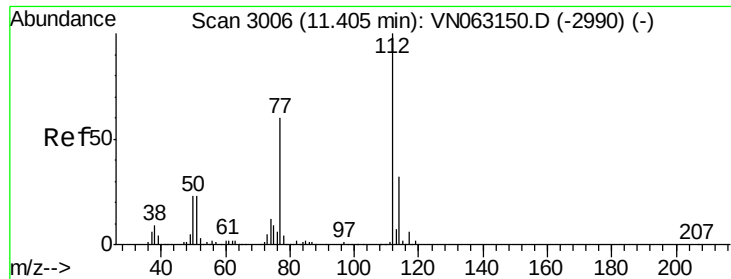
MMDadoda
9/1/2020 9:07:27 AM



#64
Tetrachloroethene
Concen: 111.338 ug/l
RT: 10.60 min Scan# 2757
Delta R.T. 0.00 min
Lab File: VN063152.D
Acq: 31 Aug 2020 14:59

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	821280		
166	128.1	103.4	155.2	
129	103.6	83.4	125.0	
131	98.5	77.8	116.8	





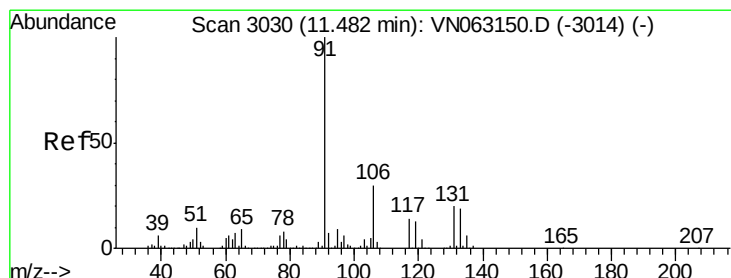
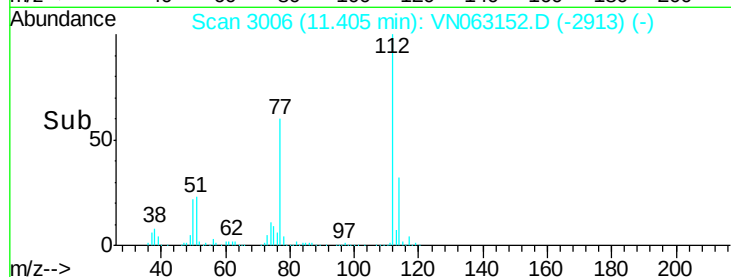
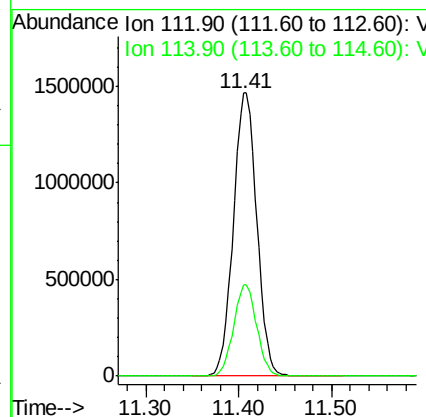
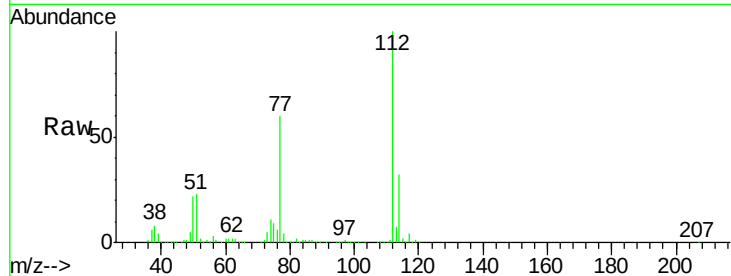
#65
Chlorobenzene
Concen: 123.649 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN063152.D
Acq: 31 Aug 2020 14:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:112 Resp: 2563146
Ion Ratio Lower Upper
112 100
114 32.3 25.2 37.8

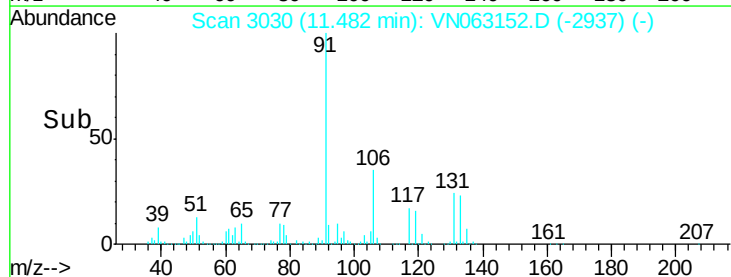
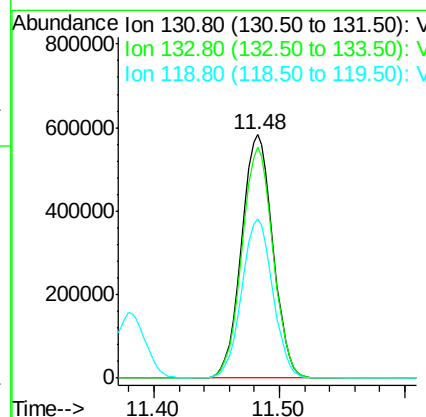
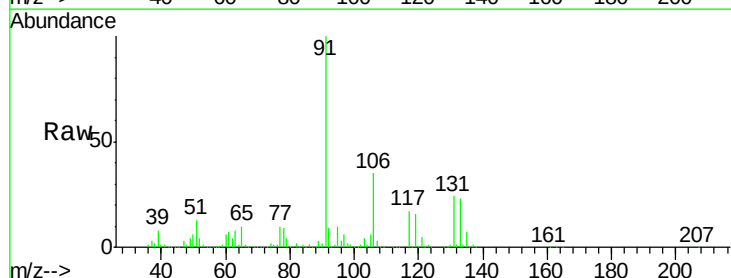
Manual Integrations
APPROVED

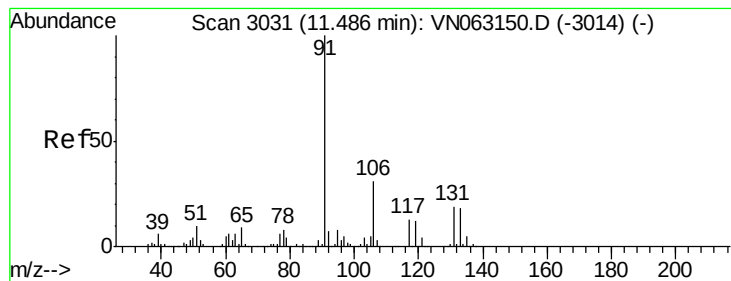
MMDadoda
9/1/2020 9:07:27 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 125.669 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN063152.D
Acq: 31 Aug 2020 14:59

Tgt Ion:131 Resp: 1010798
Ion Ratio Lower Upper
131 100
133 94.5 47.3 142.0
119 64.7 32.4 97.0





#67

Ethyl Benzene

Concen: 130.072 ug/l

RT: 11.49 min Scan# 3031

Delta R.T. 0.00 min

Lab File: VN063152.D

Acq: 31 Aug 2020 14:59

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 91 Resp: 4418218

Ion Ratio Lower Upper

91 100

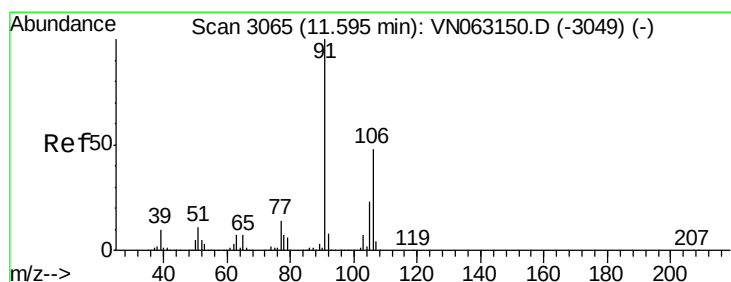
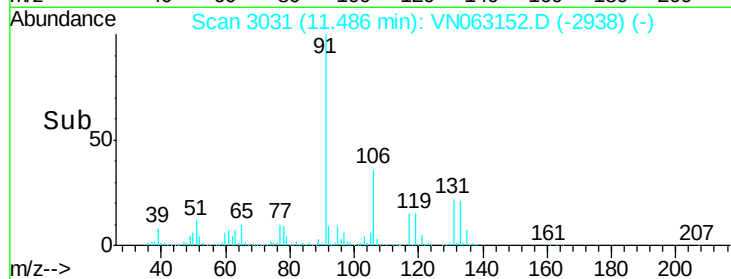
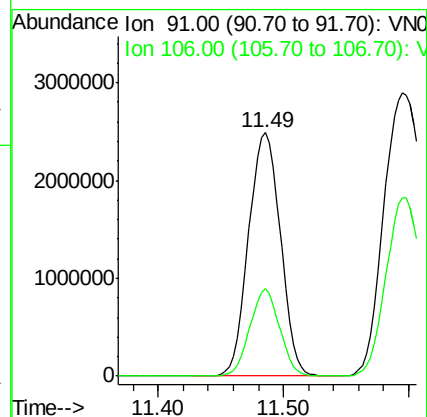
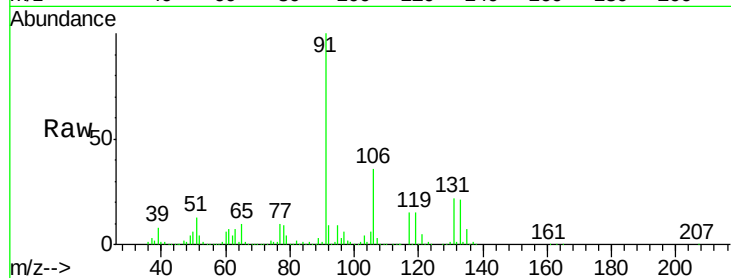
106 35.7 24.4 36.6

Manual Integrations

APPROVED

MMDadoda

9/1/2020 9:07:27 AM



#68

m/p-Xylenes

Concen: 282.364 ug/l

RT: 11.59 min Scan# 3065

Delta R.T. 0.00 min

Lab File: VN063152.D

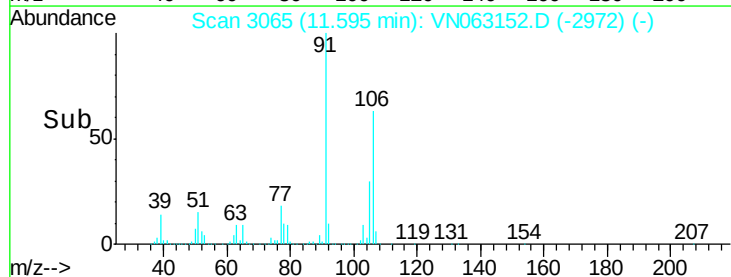
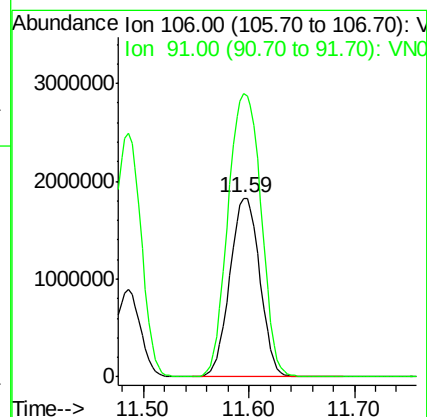
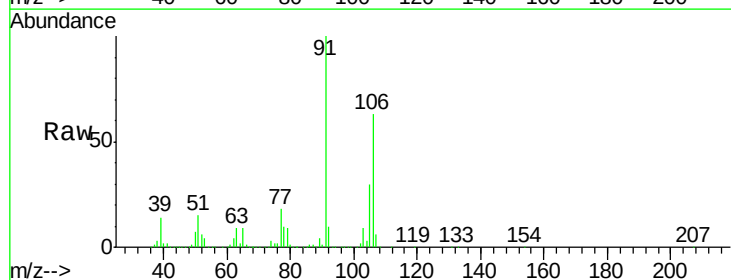
Acq: 31 Aug 2020 14:59

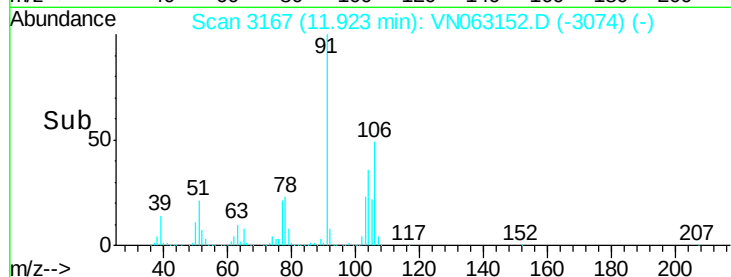
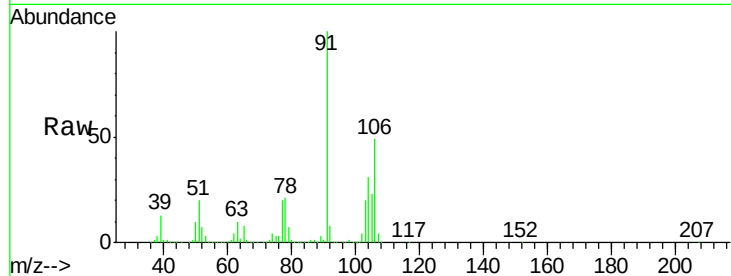
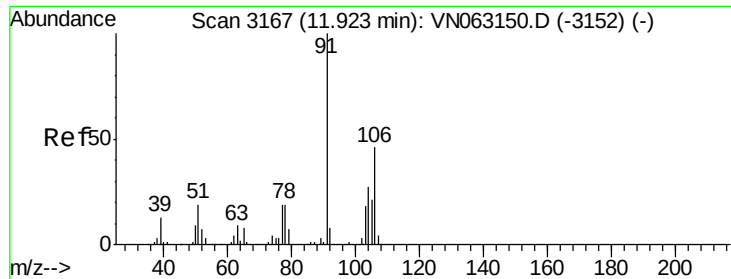
Tgt Ion: 106 Resp: 3594732

Ion Ratio Lower Upper

106 100

91 175.1 166.7 250.1





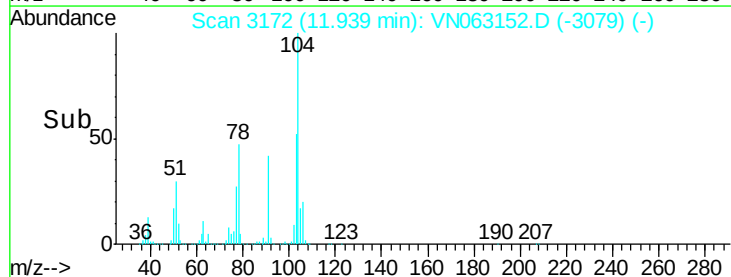
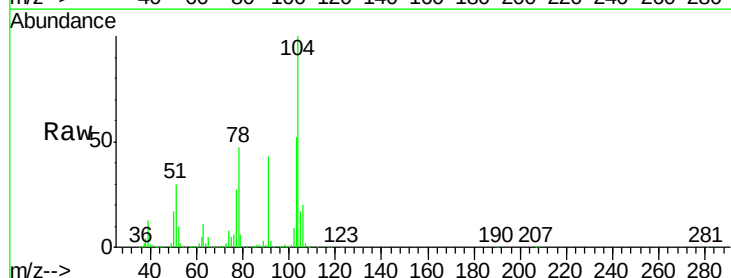
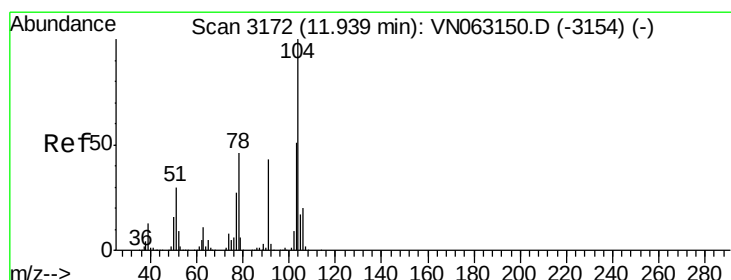
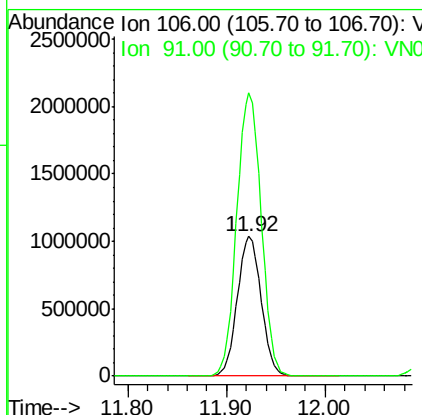
#69
o-Xylene
Concen: 141.404 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN063152.D
Acq: 31 Aug 2020 14:59

Tot Ion:106 Resp: 1734546
Ion Ratio Lower Upper
106 100
91 208.2 108.6 325.6

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

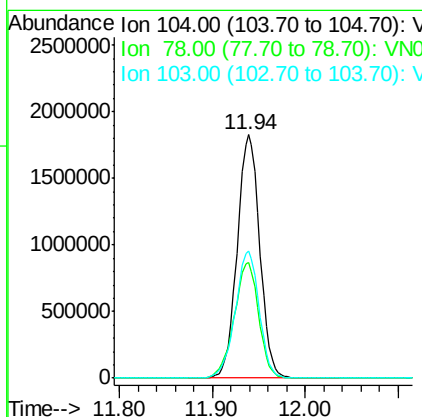
Manual Integrations
APPROVED

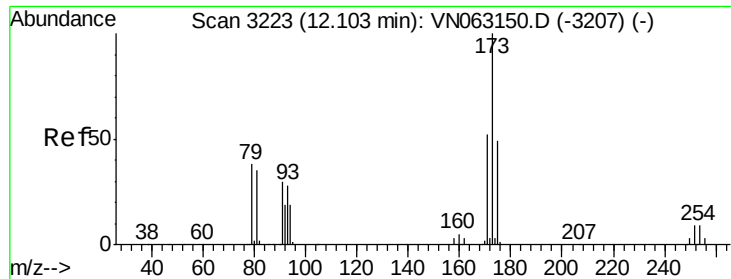
MMDadoda
9/1/2020 9:07:27 AM



#70
Styrene
Concen: 153.944 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. 0.00 min
Lab File: VN063152.D
Acq: 31 Aug 2020 14:59

Tgt Ion:104 Resp: 3073912
Ion Ratio Lower Upper
104 100
78 51.4 41.0 61.6
103 55.3 43.8 65.8





#71

Bromoform

Concen: 127.886 ug/l

RT: 12.10 min Scan# 3223

Delta R.T. 0.00 min

Lab File: VN063152.D

Acq: 31 Aug 2020 14:59

Instrument :

MSVOA_N

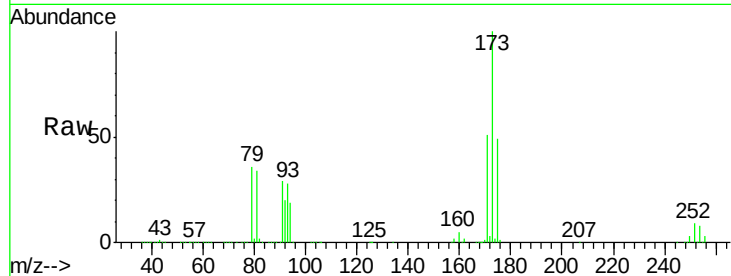
ClientSampled :

VSTDIC150

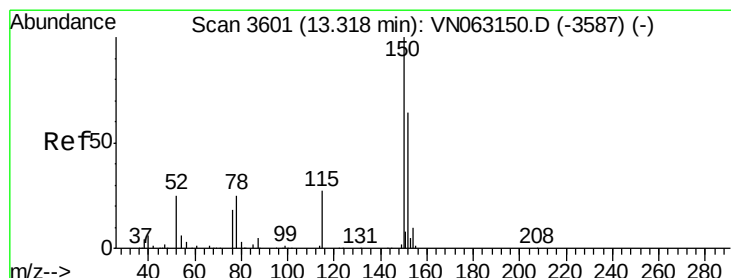
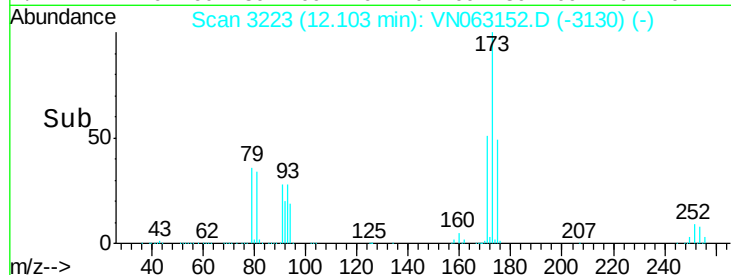
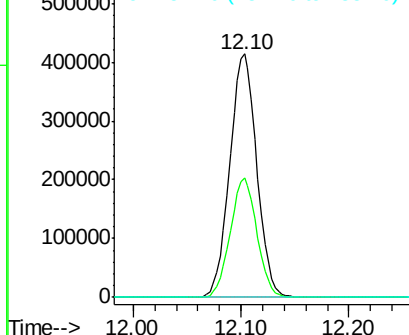
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.6	73.8
254	0.1	0.0	0.0

Manual Integrations
APPROVED

MMDadoda
9/1/2020 9:07:27 AM



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

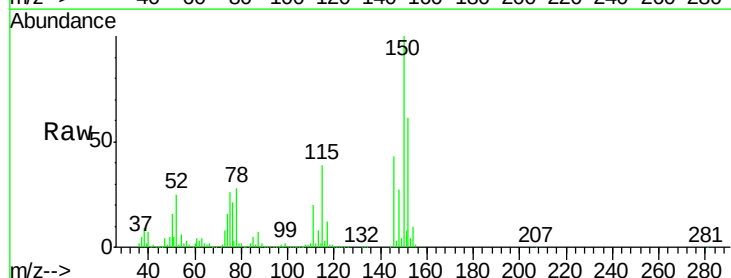
RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

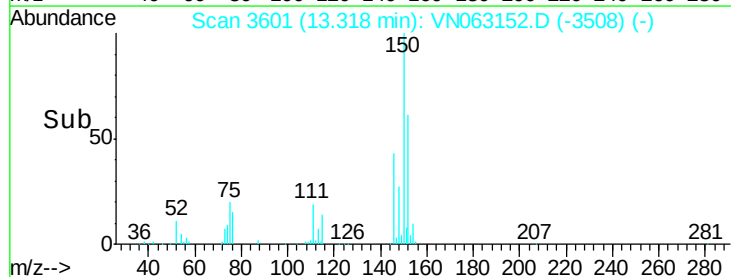
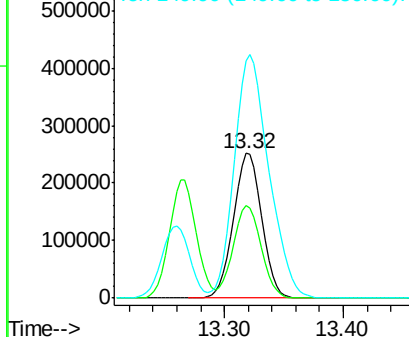
Lab File: VN063152.D

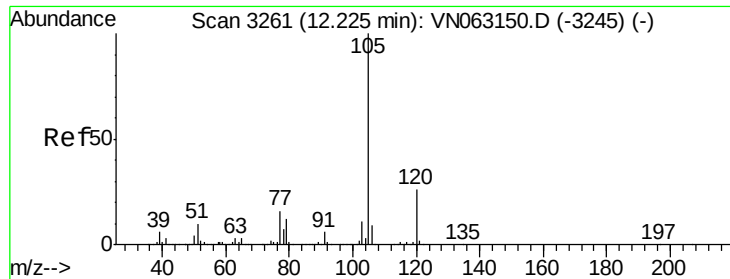
Acq: 31 Aug 2020 14:59

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.0	32.0	96.2
150	204.6	0.0	353.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





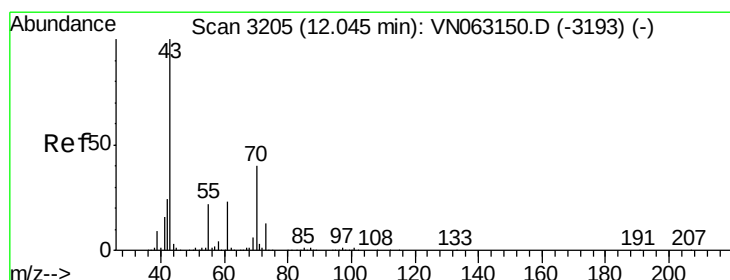
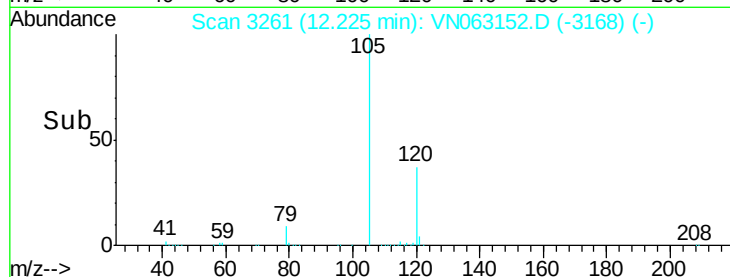
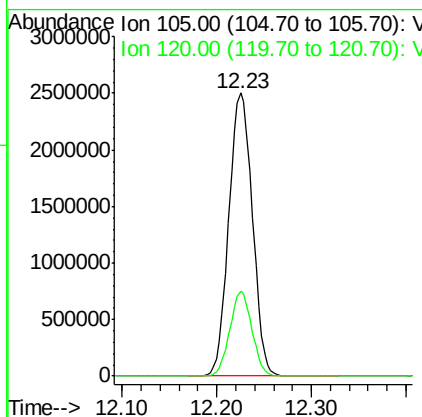
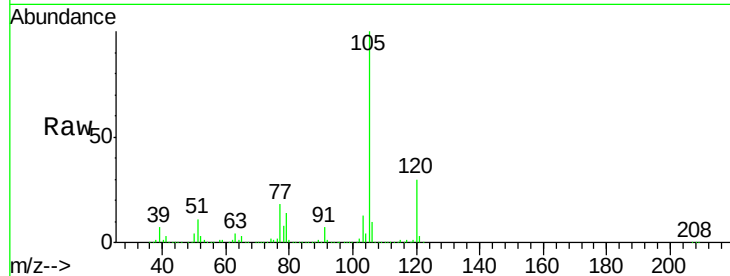
#73
Isopropylbenzene
Concen: 135.553 ug/l
RT: 12.23 min Scan# 3261
Delta R.T. 0.00 min
Lab File: VN063152.D
Acq: 31 Aug 2020 14:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:105 Resp: 4337451
Ion Ratio Lower Upper
105 100
120 28.2 12.9 38.6

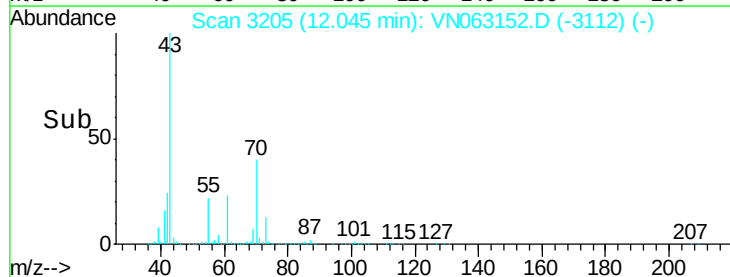
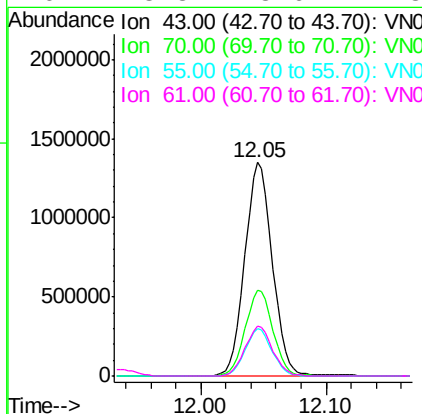
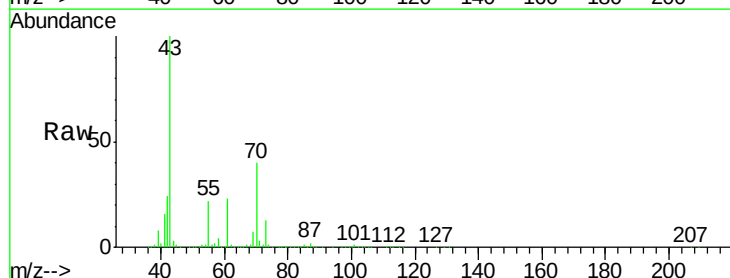
Manual Integrations
APPROVED

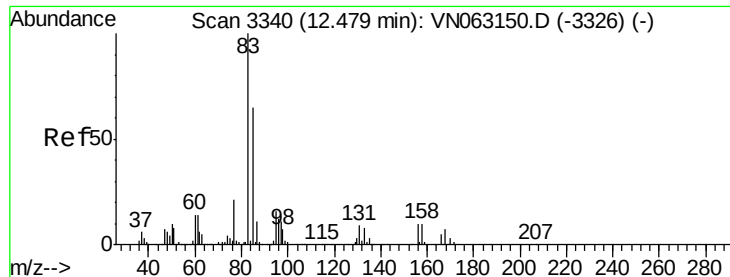
MMDadoda
9/1/2020 9:07:27 AM



#74
N-ethyl acetate
Concen: 198.018 ug/l
RT: 12.05 min Scan# 3205
Delta R.T. 0.00 min
Lab File: VN063152.D
Acq: 31 Aug 2020 14:59

Tgt Ion: 43 Resp: 2058324
Ion Ratio Lower Upper
43 100
70 40.7 32.1 48.1
55 21.6 17.4 26.0
61 23.3 18.6 27.8





#75

1,1,2,2-Tetrachloroethane

Concen: 139.518 ug/l

RT: 12.48 min Scan# 3341

Delta R.T. 0.00 min

Lab File: VN063152.D

Acq: 31 Aug 2020 14:59

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 83 Resp: 1347179

Ion Ratio Lower Upper

83 100

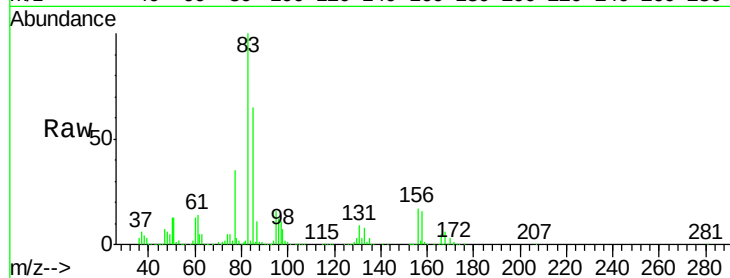
131 9.7 4.7 14.0

85 64.6 32.7 98.1

Manual Integrations
APPROVED

MMDadoda

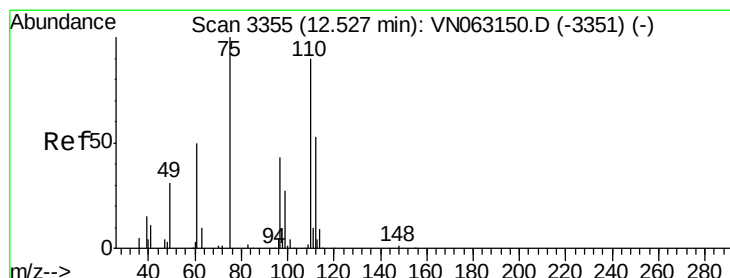
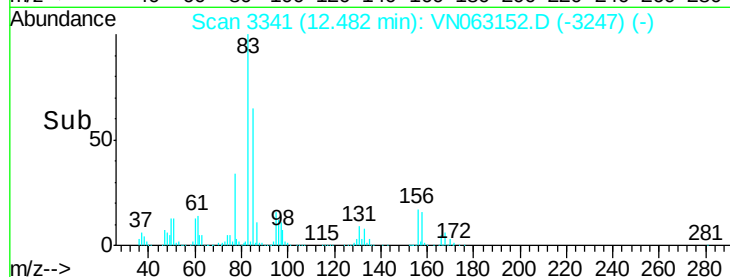
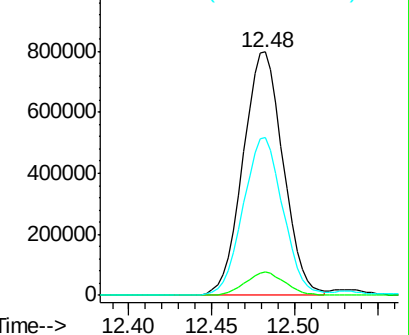
9/1/2020 9:07:27 AM



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 144.282 ug/l m

RT: 12.53 min Scan# 3356

Delta R.T. 0.00 min

Lab File: VN063152.D

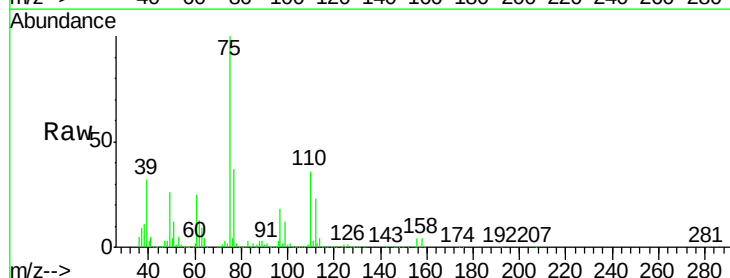
Acq: 31 Aug 2020 14:59

Tgt Ion: 75 Resp: 1156819

Ion Ratio Lower Upper

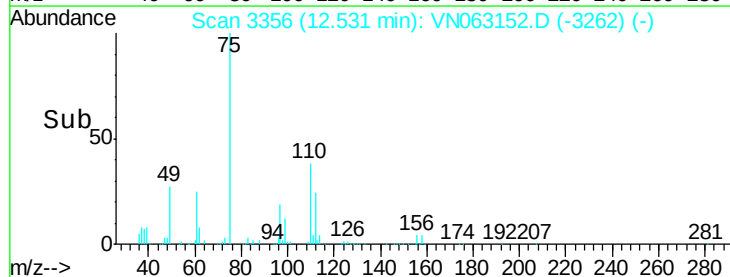
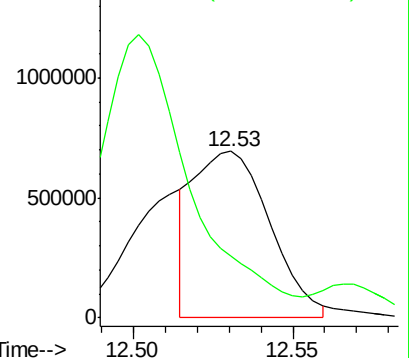
75 100

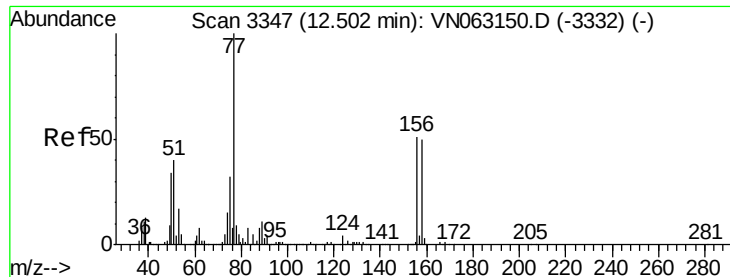
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 121.520 ug/l

RT: 12.50 min Scan# 3347

Delta R.T. 0.00 min

Lab File: VN063152.D

Acq: 31 Aug 2020 14:59

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion:156 Resp: 1044559

Ion Ratio Lower Upper

156 100

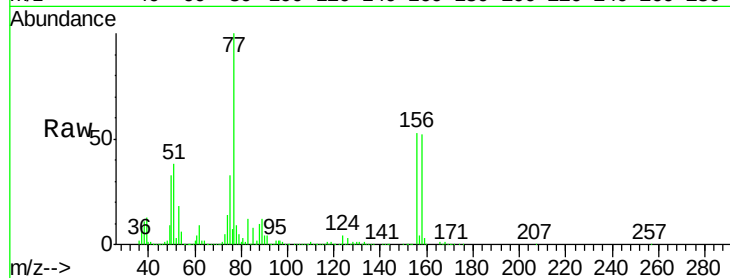
77 228.1 116.1 348.3

158 98.5 48.8 146.4

Manual Integrations
APPROVED

MMDadoda

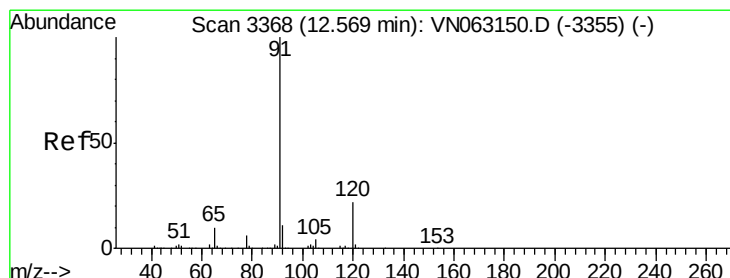
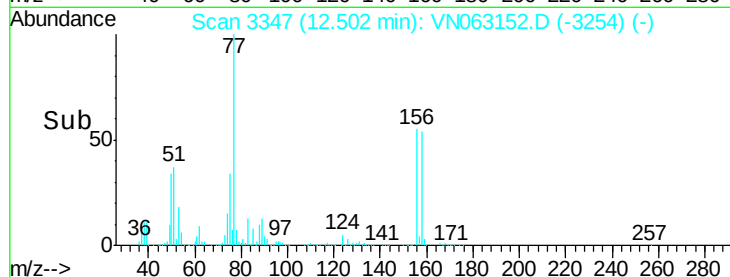
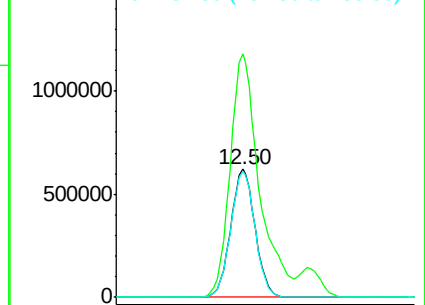
9/1/2020 9:07:27 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 133.196 ug/l

RT: 12.57 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VN063152.D

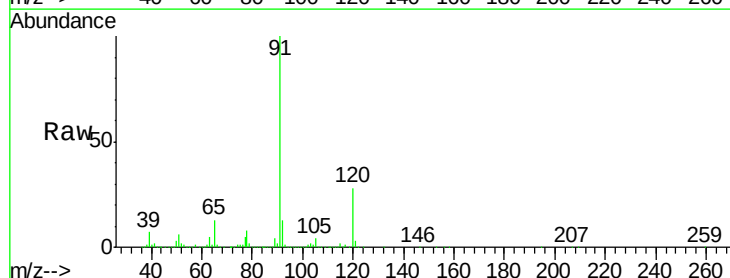
Acq: 31 Aug 2020 14:59

Tgt Ion: 91 Resp: 4855223

Ion Ratio Lower Upper

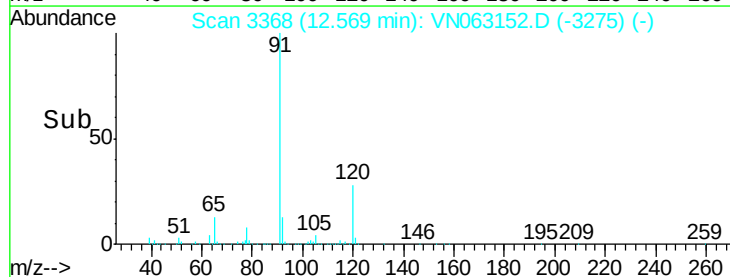
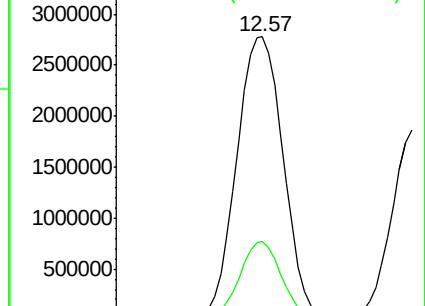
91 100

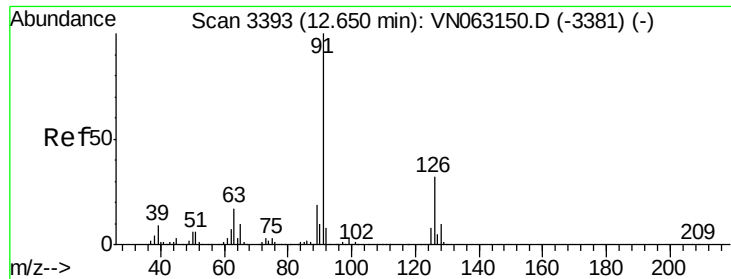
120 25.3 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 139.772 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN063152.D

Acq: 31 Aug 2020 14:59

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 91 Resp: 3118399

Ion Ratio Lower Upper

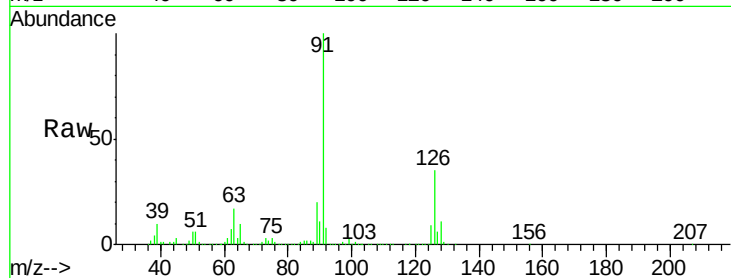
91 100

126 33.7 16.1 48.3

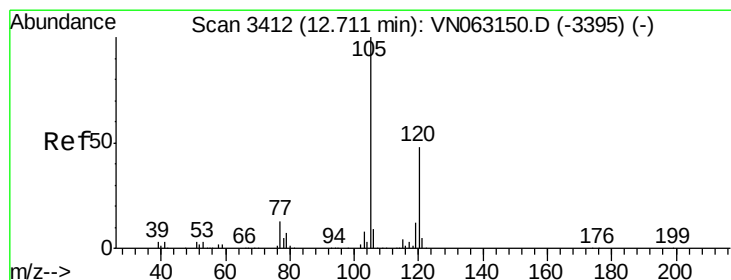
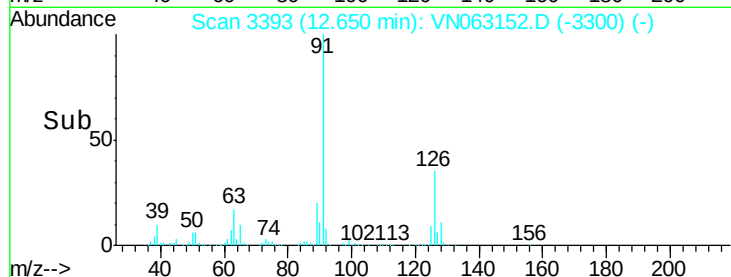
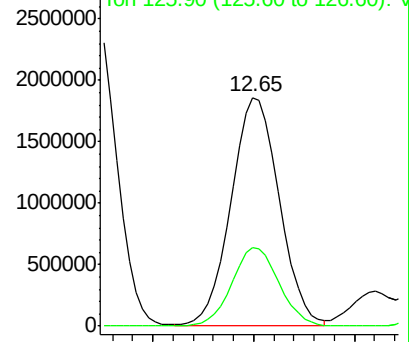
Manual Integrations
APPROVED

MMDadoda

9/1/2020 9:07:27 AM



Abundance Ion 91.00 (90.70 to 91.70): VN063152.D (-3300) (-)



#80

1,3,5-Trimethylbenzene

Concen: 146.549 ug/l

RT: 12.71 min Scan# 3412

Delta R.T. 0.00 min

Lab File: VN063152.D

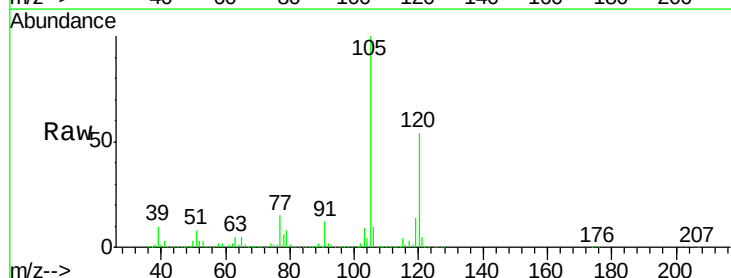
Acq: 31 Aug 2020 14:59

Tgt Ion:105 Resp: 3756734

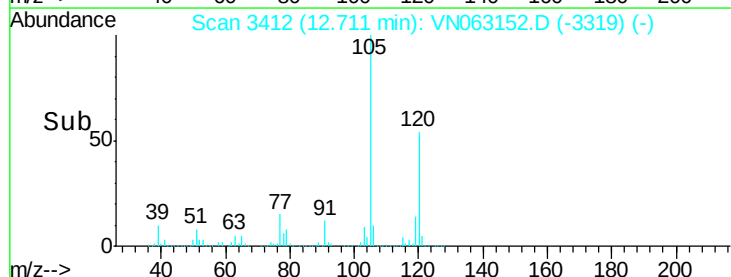
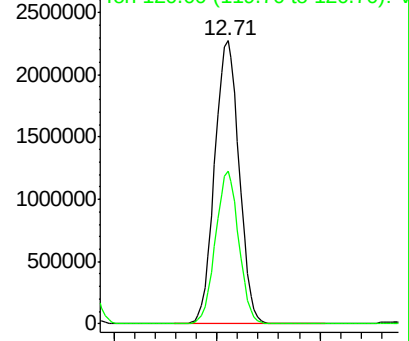
Ion Ratio Lower Upper

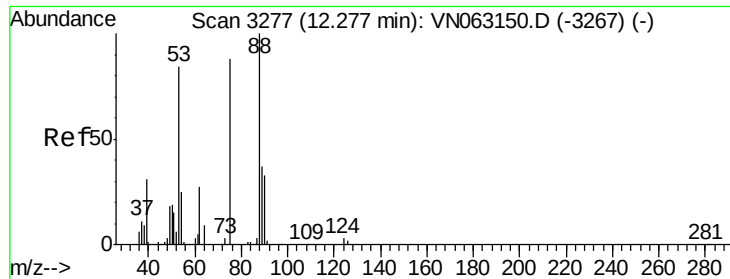
105 100

120 51.2 24.2 72.6



Abundance Ion 105.00 (104.70 to 105.70): VN063152.D (-3319) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 194.080 ug/l

RT: 12.28 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN063152.D

Acq: 31 Aug 2020 14:59

Instrument :

MSVOA_N

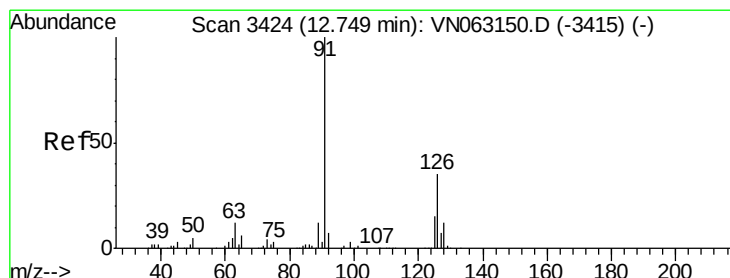
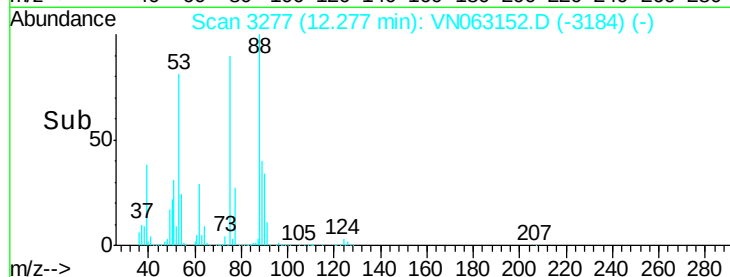
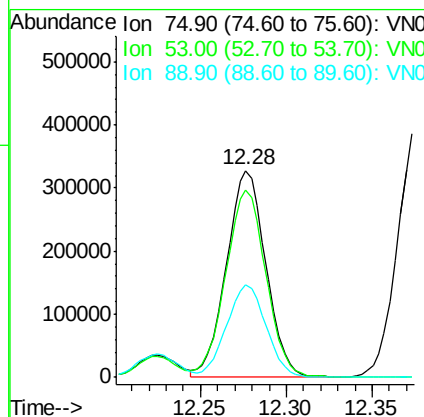
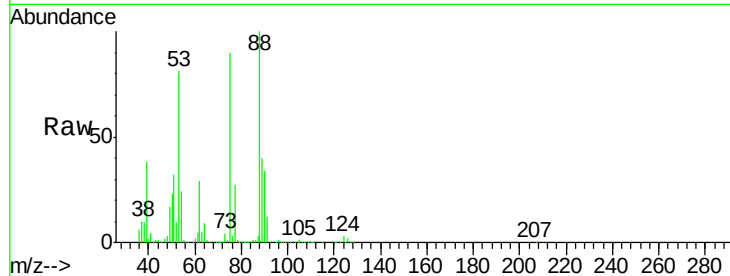
ClientSampled :

VSTDIC150

Tot Ion:	75	Resp:	520049
Ion	Ratio	Lower	Upper
75	100		
53	93.3	78.7	118.1
89	45.4	35.3	52.9

Manual Integrations
APPROVED

MMDadoda
9/1/2020 9:07:27 AM



#82

4-Chlorotoluene

Concen: 148.067 ug/l

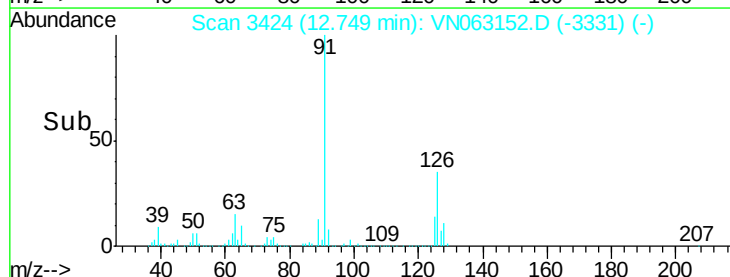
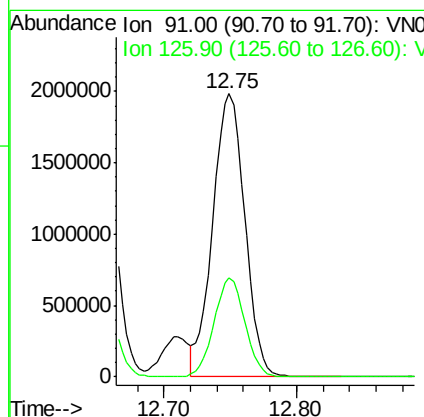
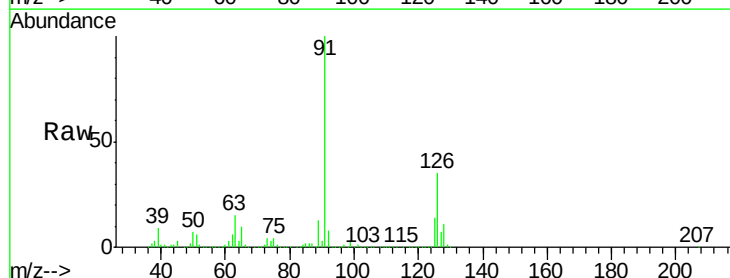
RT: 12.75 min Scan# 3424

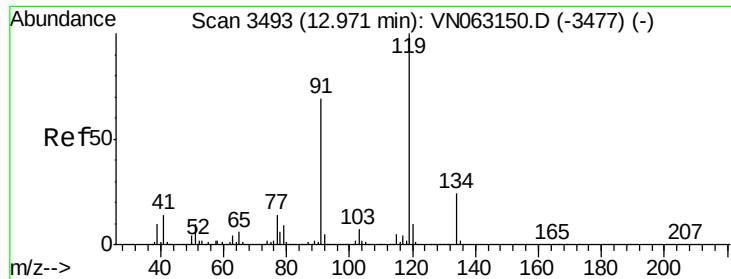
Delta R.T. 0.00 min

Lab File: VN063152.D

Acq: 31 Aug 2020 14:59

Tgt Ion:	91	Resp:	3326217
Ion	Ratio	Lower	Upper
91	100		
126	33.7	16.2	48.5





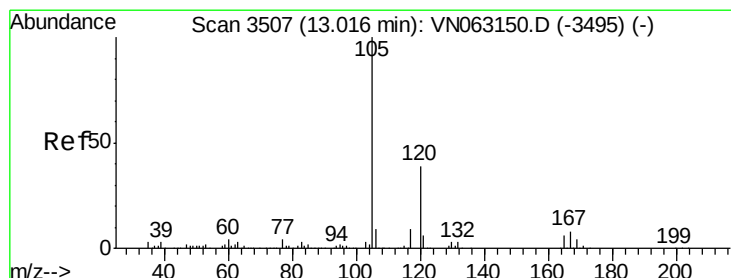
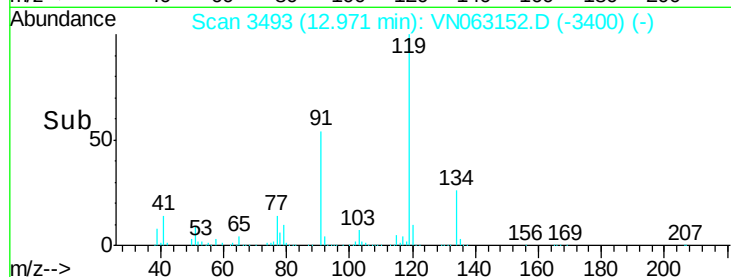
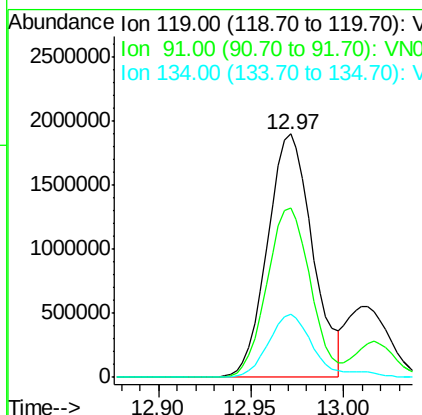
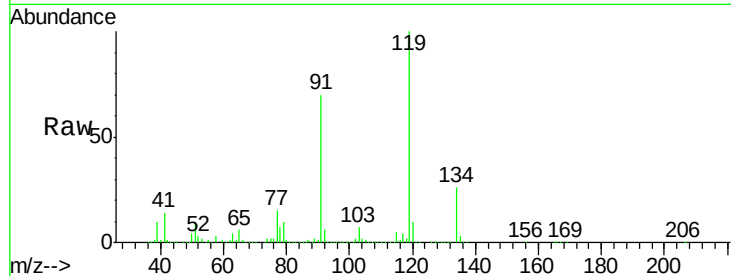
#83
 tert-Butylbenzene
 Concen: 143.551 ug/l
 RT: 12.97 min Scan# 3493
 Delta R.T. 0.00 min
 Lab File: VN063152.D
 Acq: 31 Aug 2020 14:59

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tot Ion:119 Resp: 3218001
 Ion Ratio Lower Upper
 119 100
 91 67.9 33.7 101.0
 134 26.4 12.0 36.0

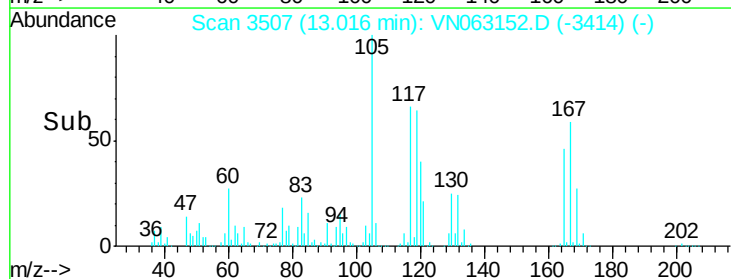
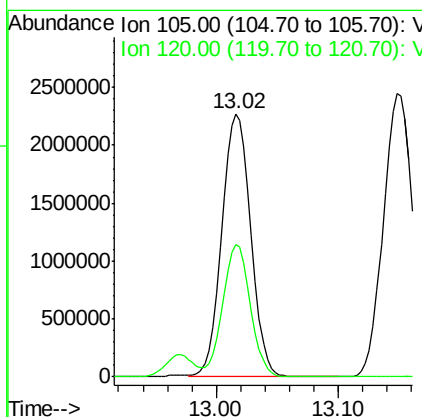
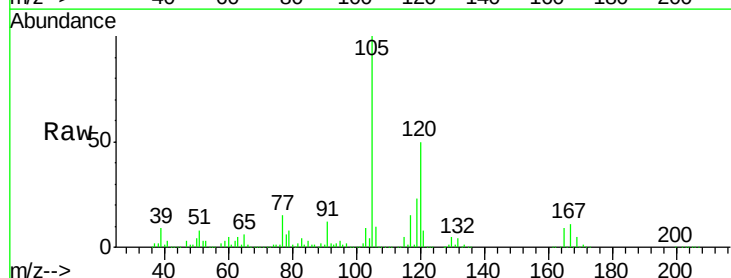
Manual Integrations
 APPROVED

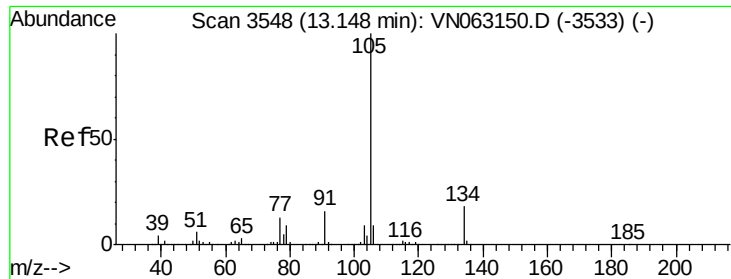
MMDadoda
 9/1/2020 9:07:27 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 145.638 ug/l
 RT: 13.02 min Scan# 3507
 Delta R.T. 0.00 min
 Lab File: VN063152.D
 Acq: 31 Aug 2020 14:59

Tgt Ion:105 Resp: 3770545
 Ion Ratio Lower Upper
 105 100
 120 48.2 22.6 67.7





#85

sec-Butylbenzene

Concen: 138.409 ug/l

RT: 13.15 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN063152.D

Acq: 31 Aug 2020 14:59

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion:105 Resp: 4109113

Ion Ratio Lower Upper

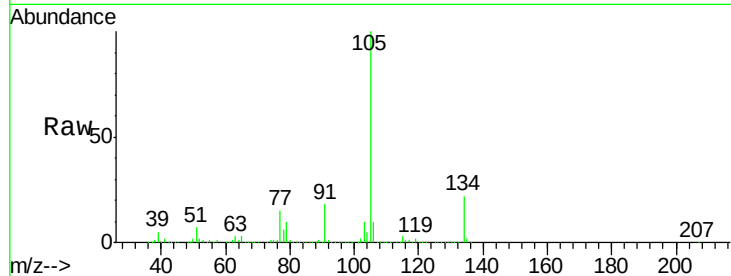
105 100

134 20.6 9.4 28.3

Manual Integrations
APPROVED

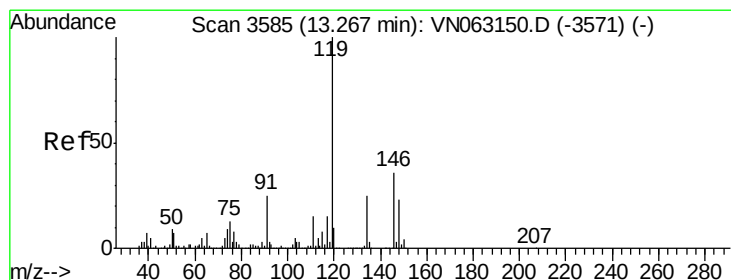
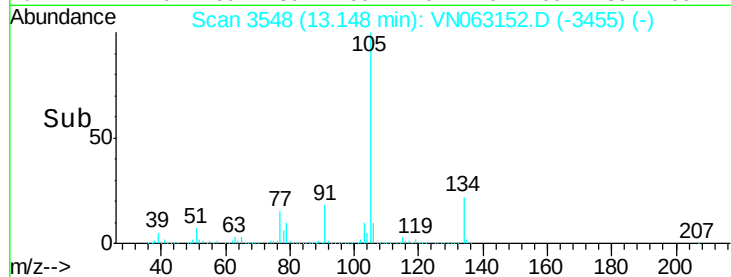
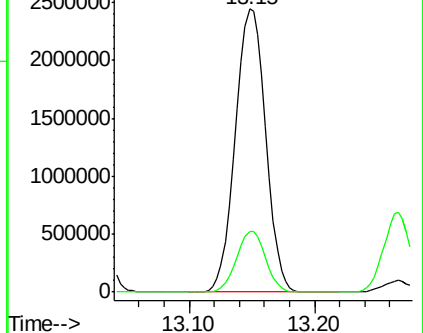
MMDadoda

9/1/2020 9:07:27 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 149.848 ug/l

RT: 13.27 min Scan# 3585

Delta R.T. 0.00 min

Lab File: VN063152.D

Acq: 31 Aug 2020 14:59

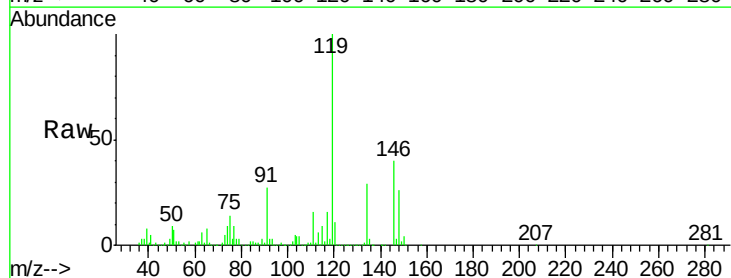
Tgt Ion:119 Resp: 3815402

Ion Ratio Lower Upper

119 100

134 27.5 12.4 37.4

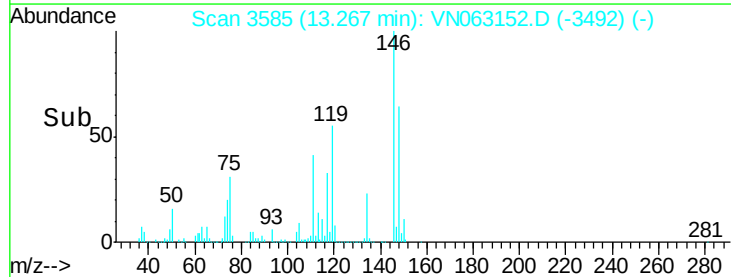
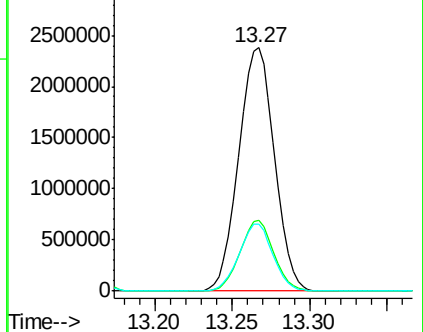
91 26.2 12.2 36.6

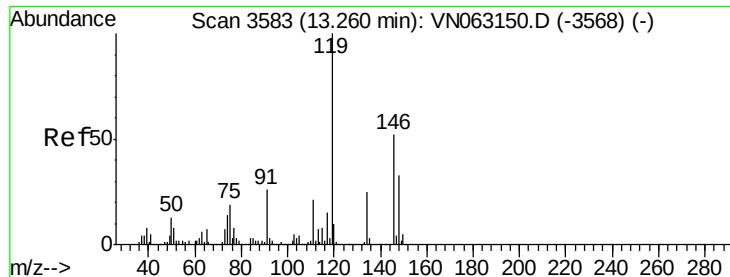


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 133.478 ug/l

RT: 13.26 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN063152.D

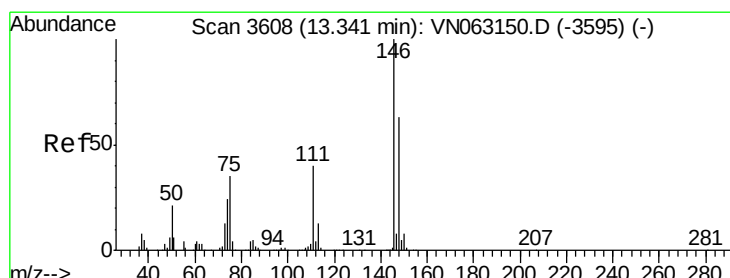
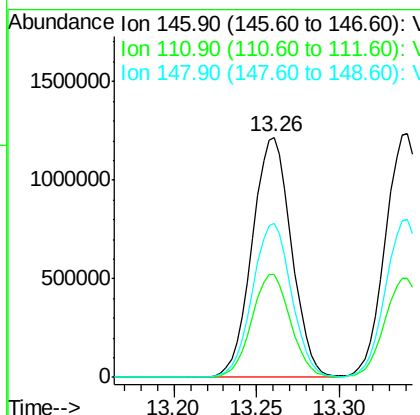
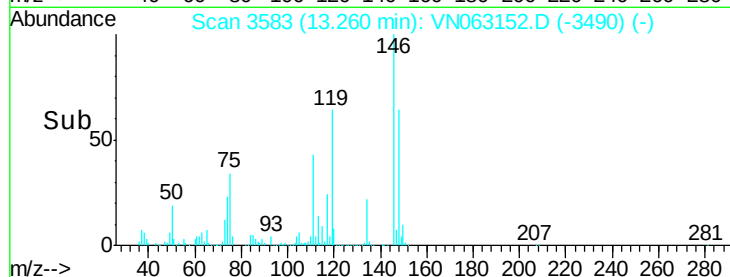
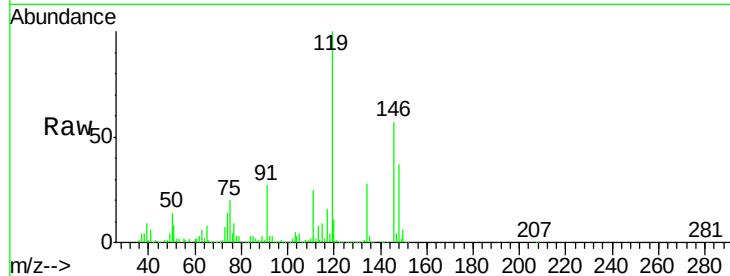
Acq: 31 Aug 2020 14:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.3	63.7
148	63.8	31.9	95.9

Manual Integrations
APPROVED

MMDadoda
9/1/2020 9:07:27 AM



#88

1,4-Dichlorobenzene

Concen: 133.142 ug/l

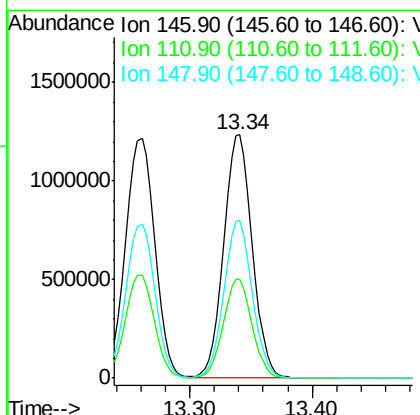
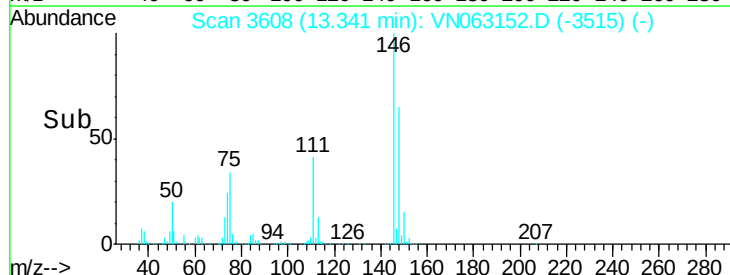
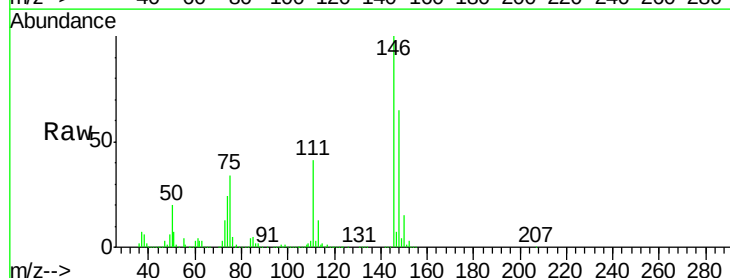
RT: 13.34 min Scan# 3608

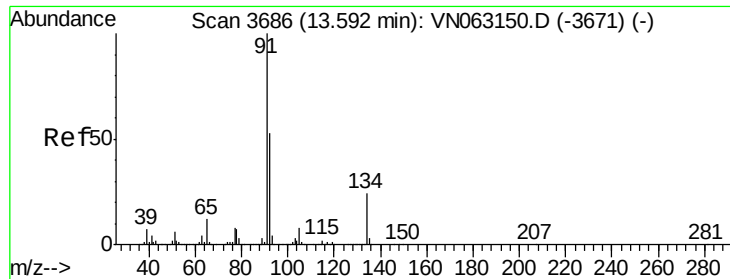
Delta R.T. 0.00 min

Lab File: VN063152.D

Acq: 31 Aug 2020 14:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.5	61.5
148	64.2	31.9	95.7





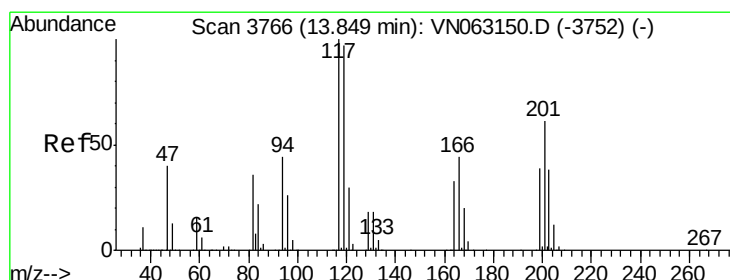
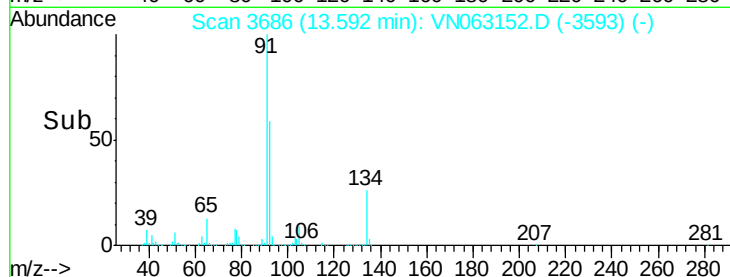
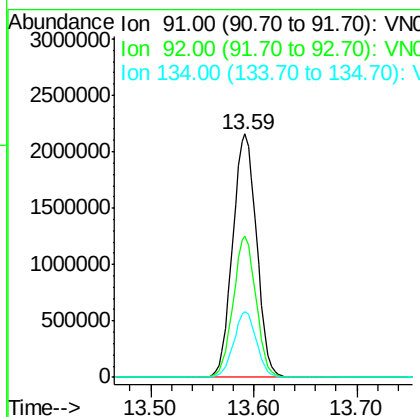
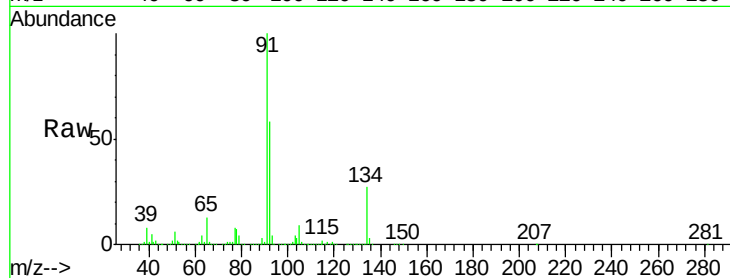
#89
n-Butylbenzene
Concen: 162.472 ug/l
RT: 13.59 min Scan# 3686
Delta R.T. 0.00 min
Lab File: VN063152.D
Acq: 31 Aug 2020 14:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.5	26.3	78.8
134	25.8	12.0	36.0

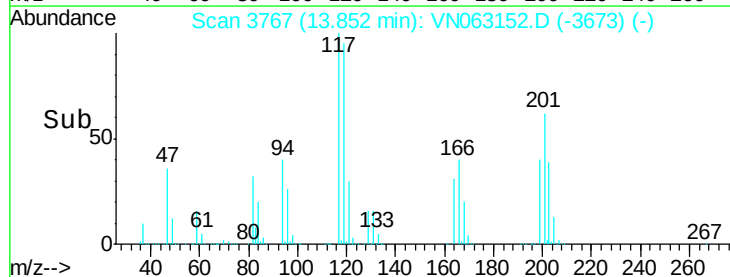
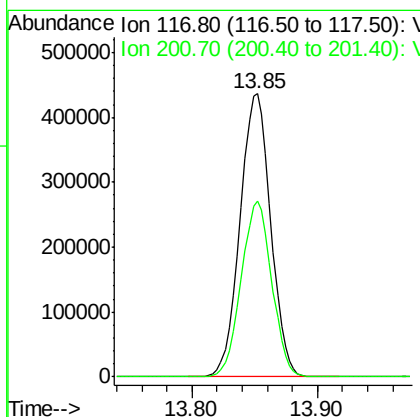
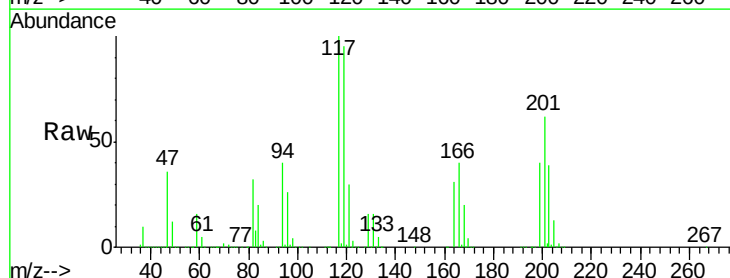
Manual Integrations
APPROVED

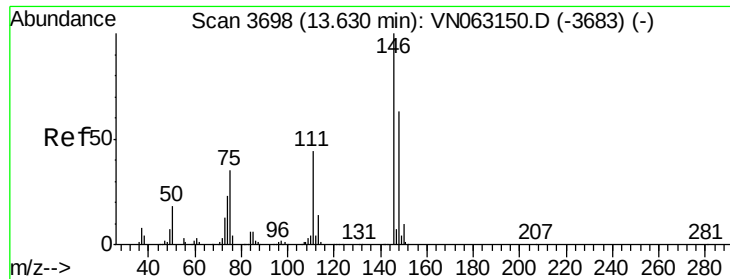
MMDadoda
9/1/2020 9:07:27 AM



#90
Hexachloroethane
Concen: 130.952 ug/l
RT: 13.85 min Scan# 3767
Delta R.T. 0.00 min
Lab File: VN063152.D
Acq: 31 Aug 2020 14:59

Tgt Ion	Ratio	Lower	Upper
117	100		
201	61.8	30.6	92.0





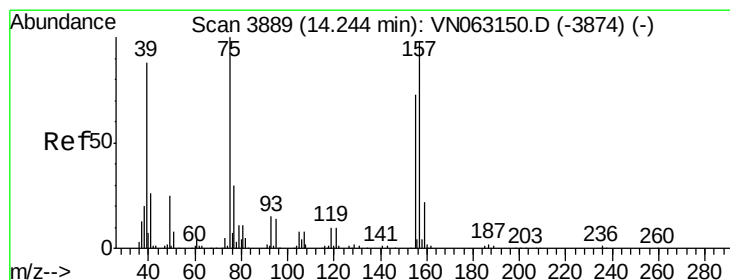
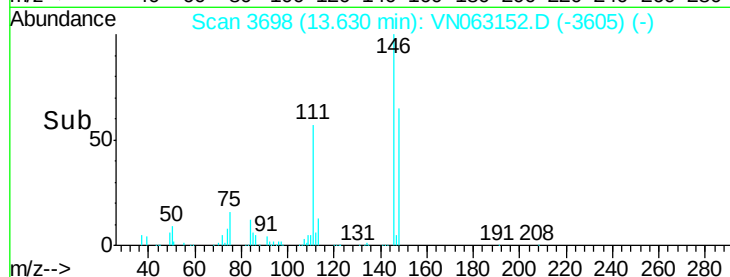
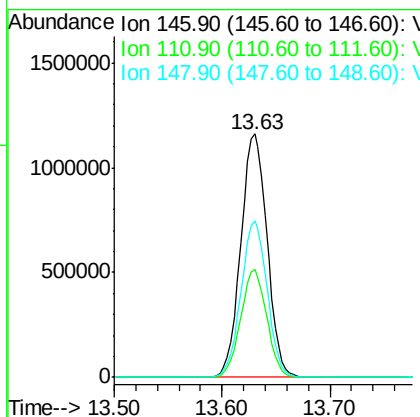
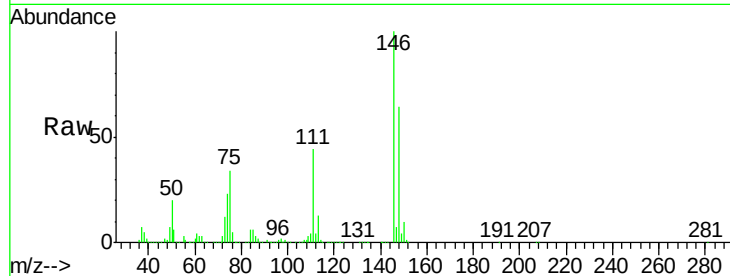
#91
 1,2-Dichlorobenzene
 Concen: 132.858 ug/l
 RT: 13.63 min Scan# 3698
 Delta R.T. 0.00 min
 Lab File: VN063152.D
 Acq: 31 Aug 2020 14:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.8	22.0	66.0
148	63.9	31.6	95.0

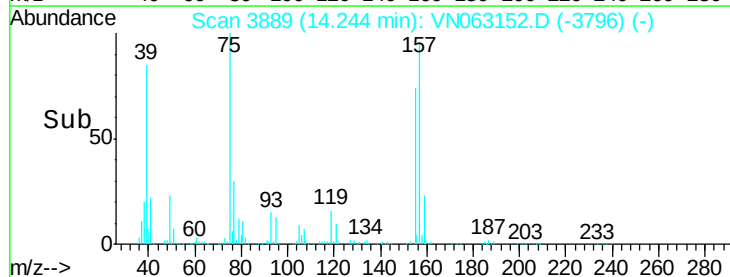
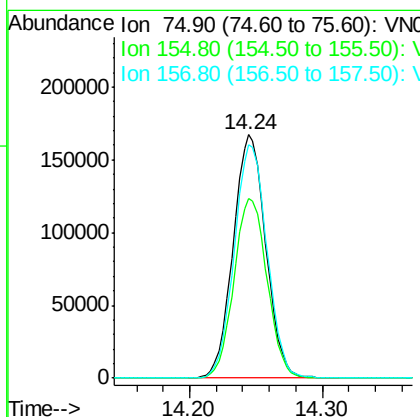
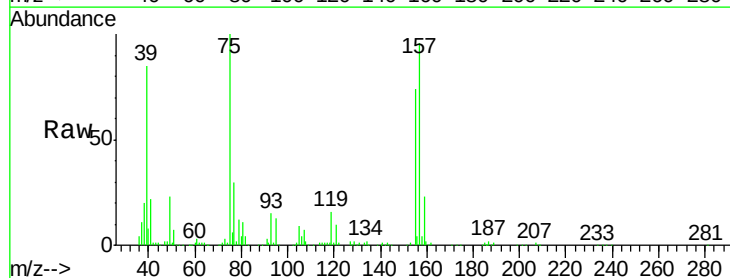
Manual Integrations
 APPROVED

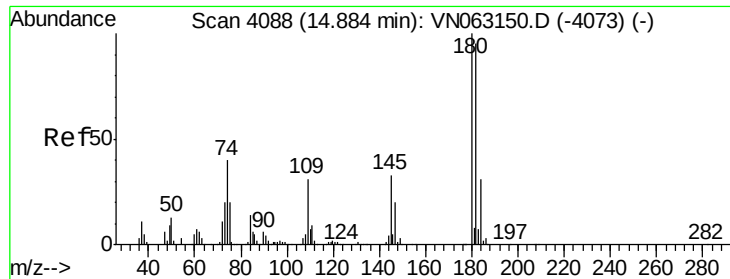
MMDadoda
 9/1/2020 9:07:27 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 179.471 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN063152.D
 Acq: 31 Aug 2020 14:59

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.6	36.1	108.5
157	96.4	48.4	145.0





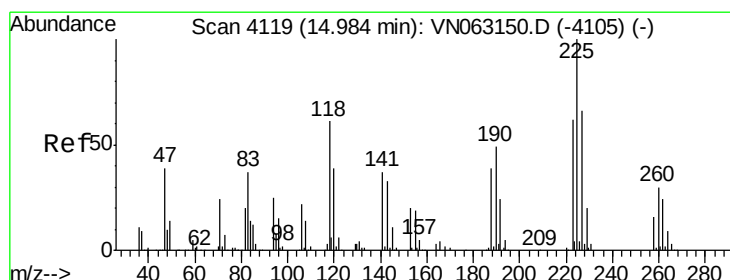
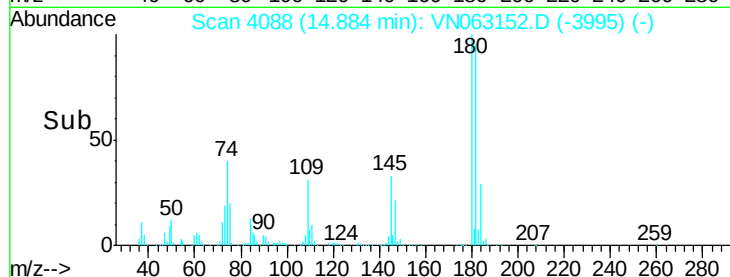
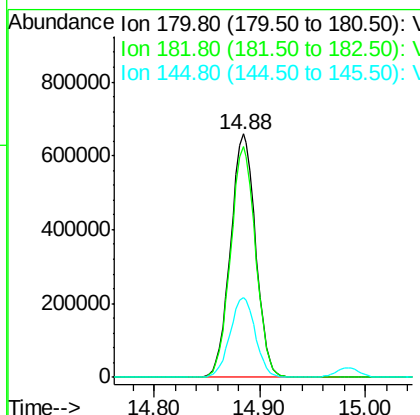
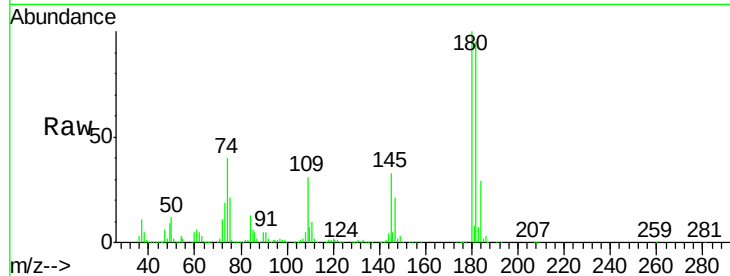
#93
 1,2,4-Trichlorobenzene
 Concen: 156.879 ug/l
 RT: 14.88 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN063152.D
 Acq: 31 Aug 2020 14:59

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.5	142.5
145	33.1	16.6	49.8

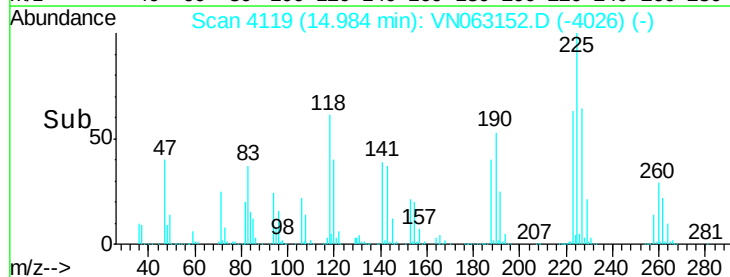
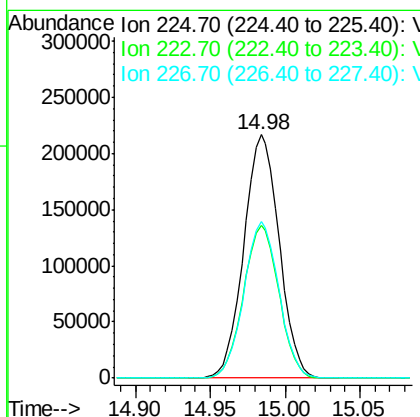
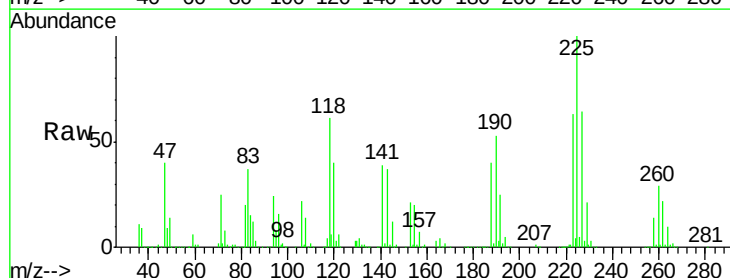
Manual Integrations
 APPROVED

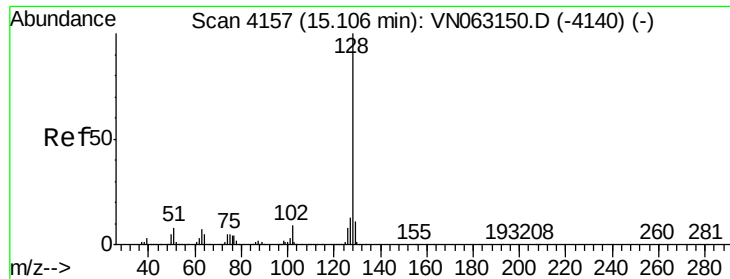
MMDadoda
 9/1/2020 9:07:27 AM



#94
 Hexachlorobutadiene
 Concen: 77.012 ug/l
 RT: 14.98 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN063152.D
 Acq: 31 Aug 2020 14:59

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	30.9	92.7
227	63.8	32.9	98.7





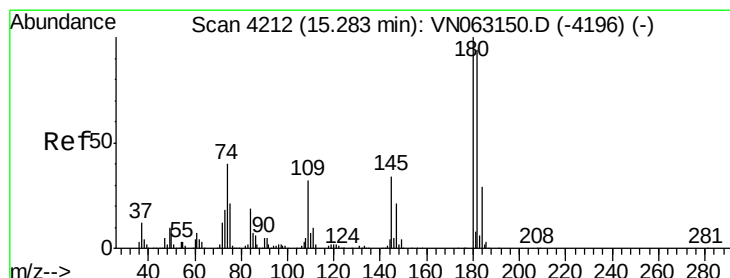
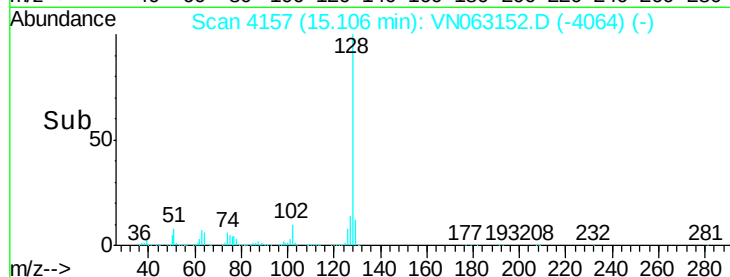
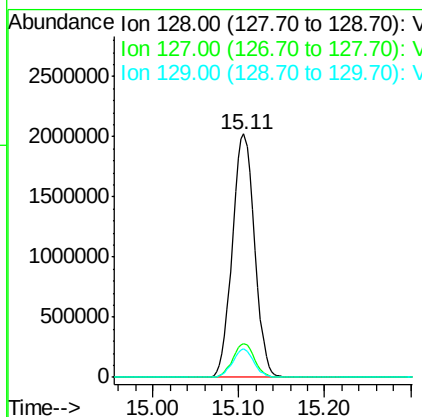
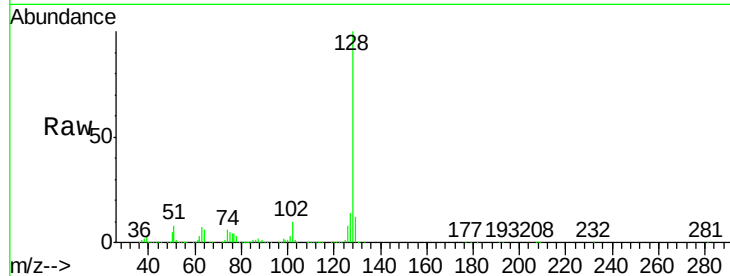
#95
Naphthalene
Concen: 216.418 ug/l
RT: 15.11 min Scan# 4157
Delta R.T. 0.00 min
Lab File: VN063152.D
Acq: 31 Aug 2020 14:59

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.5	15.7
129	11.1	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
9/1/2020 9:07:27 AM



#96
1,2,3-Trichlorobenzene
Concen: 144.459 ug/l
RT: 15.29 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN063152.D
Acq: 31 Aug 2020 14:59

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.5	142.5
145	34.3	17.3	52.0

