

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100620\
 Data File : VN063913.D
 Acq On : 7 Oct 2020 00:17
 Operator : JC/MD
 Sample : VN1006WBSD04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1006WBSD04

Manual Integrations
 APPROVED

MMDadoda
 10/7/2020 12:12:02 PM

Quant Time: Oct 07 05:11:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 01:46:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	259489	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	441890	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	412014	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	187426	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	217955	50.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.68%	
35) Dibromofluoromethane	7.55	113	149655	48.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.62%	
50) Toluene-d8	10.06	98	548669	47.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.40%	
62) 4-Bromofluorobenzene	12.38	95	196008	44.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.72%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.83	85	48270	17.629	ug/l	99
3) Chloromethane	2.04	50	57693	17.958	ug/l	99
4) Vinyl Chloride	2.16	62	56624	17.558	ug/l	95
5) Bromomethane	2.53	94	36451	17.970	ug/l	96
6) Chloroethane	2.67	64	37854	19.644	ug/l	99
7) Trichlorofluoromethane	2.98	101	94636	18.503	ug/l	99
8) Diethyl Ether	3.37	74	33186	19.185	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.72	101	49627	18.154	ug/l	99
10) Methyl Iodide	3.91	142	53228	16.769	ug/l	100
11) Tert butyl alcohol	4.73	59	56701	119.801	ug/l	97
12) 1,1-Dichloroethene	3.70	96	48303	18.486	ug/l	94
13) Acrolein	3.57	56	53713	184.911	ug/l	96
14) Allyl chloride	4.28	41	96812	19.943	ug/l	94
15) Acrylonitrile	4.93	53	142738	105.360	ug/l	99
16) Acetone	3.78	43	138163	104.696	ug/l	98
17) Carbon Disulfide	4.01	76	128716	18.671	ug/l	100
18) Methyl Acetate	4.28	43	74807	21.833	ug/l	100
19) Methyl tert-butyl Ether	4.99	73	186231	19.617	ug/l	98
20) Methylene Chloride	4.50	84	60839	20.186	ug/l	99
21) trans-1,2-Dichloroethene	4.99	96	53230	18.187	ug/l	97
22) Diisopropyl ether	5.90	45	205869	20.612	ug/l	96
23) Vinyl Acetate	5.85	43	841302	101.687	ug/l	100
24) 1,1-Dichloroethane	5.80	63	111521	19.528	ug/l	98
25) 2-Butanone	6.79	43	209283	111.859	ug/l	95
26) 2,2-Dichloropropane	6.78	77	82517	15.778	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	61726	18.337	ug/l	97
28) Bromochloromethane	7.15	49	56984	20.189	ug/l	96
29) Tetrahydrofuran	7.17	42	137977	109.956	ug/l	97
30) Chloroform	7.33	83	118684	19.932	ug/l	89
31) Cyclohexane	7.61	56	87732	17.628	ug/l	96
32) 1,1,1-Trichloroethane	7.53	97	105146	19.577	ug/l	98
36) 1,1-Dichloropropene	7.75	75	81783	18.268	ug/l	99
37) Ethyl Acetate	6.88	43	87789	19.738	ug/l	98
38) Carbon Tetrachloride	7.73	117	92018	18.330	ug/l	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100620\
 Data File : VN063913.D
 Acq On : 7 Oct 2020 00:17
 Operator : JC/MD
 Sample : VN1006WBSD04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1006WBSD04

Manual Integrations
 APPROVED

MMDadoda
 10/7/2020 12:12:02 PM

Quant Time: Oct 07 05:11:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 01:46:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	70127	15.708	ug/l	95
40) Benzene	8.00	78	236295	18.480	ug/l	97
41) Methacrylonitrile	7.12	41	36624	18.527	ug/l #	88
42) 1,2-Dichloroethane	8.09	62	104545	19.154	ug/l	99
43) Isopropyl Acetate	8.13	43	146926	20.027	ug/l	99
44) Trichloroethene	8.80	130	60390	18.025	ug/l	98
45) 1,2-Dichloropropane	9.09	63	64028	18.541	ug/l	98
46) Dibromomethane	9.18	93	45874	19.256	ug/l	95
47) Bromodichloromethane	9.37	83	93532	19.050	ug/l	99
48) Methyl methacrylate	9.17	41	72478	19.996	ug/l	94
49) 1,4-Dioxane	9.16	88	20838	404.513	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	457454	106.254	ug/l	99
52) Toluene	10.13	92	148162	18.733	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	94364	17.930	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	101638	18.466	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	61818	19.490	ug/l	96
56) Ethyl methacrylate	10.40	69	84919	18.888	ug/l	96
57) 1,3-Dichloropropane	10.68	76	105063	19.579	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	236032	98.146	ug/l	99
59) 2-Hexanone	10.72	43	329746	103.102	ug/l	98
60) Dibromochloromethane	10.87	129	69484	18.811	ug/l	99
61) 1,2-Dibromoethane	10.98	107	62351	19.217	ug/l	99
64) Tetrachloroethene	10.60	164	54605	17.130	ug/l	96
65) Chlorobenzene	11.41	112	159105	18.825	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	62261	19.216	ug/l	99
67) Ethyl Benzene	11.49	91	278770	18.127	ug/l	100
68) m/p-Xylenes	11.59	106	203634	35.528	ug/l	98
69) o-Xylene	11.92	106	98908	18.462	ug/l	98
70) Styrene	11.94	104	166037	18.258	ug/l	99
71) Bromoform	12.10	173	46324	18.693	ug/l #	98
73) Isopropylbenzene	12.23	105	258749	18.927	ug/l	98
74) N-amyl acetate	12.04	43	120246	20.302	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	88004	21.052	ug/l	97
76) 1,2,3-Trichloropropane	12.53	75	82897m	20.064	ug/l	
77) Bromobenzene	12.50	156	67456	20.109	ug/l	99
78) n-propylbenzene	12.57	91	289684	18.208	ug/l	99
79) 2-Chlorotoluene	12.65	91	186137	19.023	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	219852	19.169	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.28	75	27180	18.947	ug/l	97
82) 4-Chlorotoluene	12.75	91	193730	19.072	ug/l	99
83) tert-Butylbenzene	12.97	119	173464	18.490	ug/l	99
84) 1,2,4-Trimethylbenzene	13.02	105	214906	18.768	ug/l	100
85) sec-Butylbenzene	13.15	105	224774	18.242	ug/l	100
86) p-Isopropyltoluene	13.26	119	200625	18.405	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	114123	18.805	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	113719	17.997	ug/l	99
89) n-Butylbenzene	13.59	91	163374	16.238	ug/l	100
90) Hexachloroethane	13.85	117	41473	19.634	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	115039	19.139	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	19025	19.406	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100620\
Data File : VN063913.D
Acq On : 7 Oct 2020 00:17
Operator : JC/MD
Sample : VN1006WBSD04
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1006WBSD04

Manual Integrations
APPROVED

MMDadoda
10/7/2020 12:12:02 PM

Quant Time: Oct 07 05:11:25 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 01 01:46:38 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	51201	16.857	ug/l	97
94) Hexachlorobutadiene	14.98	225	31835	19.574	ug/l	98
95) Naphthalene	15.11	128	159301	17.070	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	49492	16.691	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: VN063913.D

Acq: 7 Oct 2020 00:17

Instrument :

MSVOA_N

ClientSampleId :

VN1006WBSD04

Tot Ion:168 Resp: 259489

Ion Ratio Lower Upper

168 100

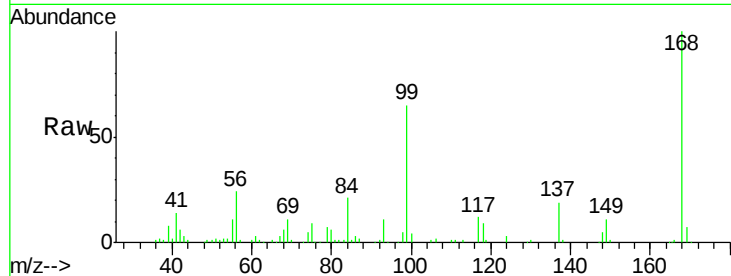
99 64.6 51.8 77.6

Manual Integrations

APPROVED

MMDadoda

10/7/2020 12:12:02 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

120000

100000

80000

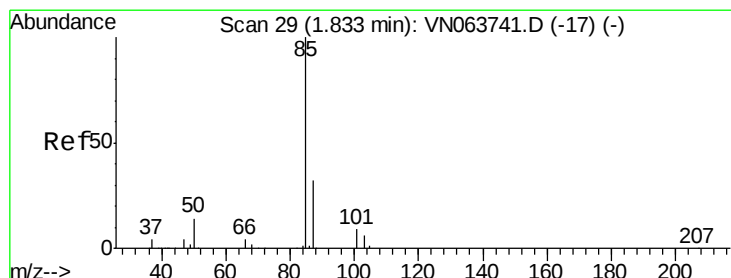
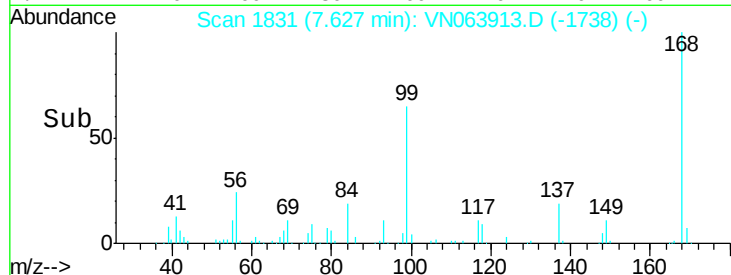
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 17.629 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN063913.D

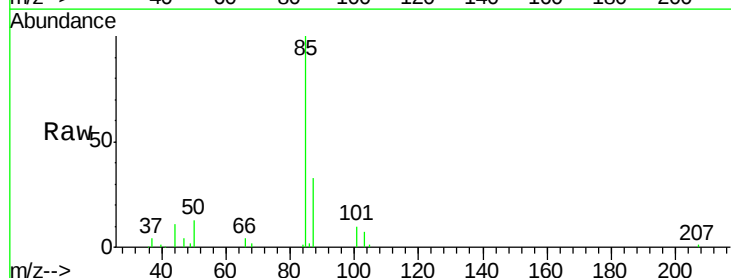
Acq: 7 Oct 2020 00:17

Tgt Ion: 85 Resp: 48270

Ion Ratio Lower Upper

85 100

87 32.6 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

40000

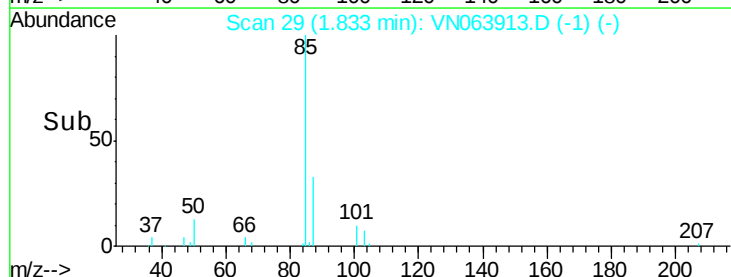
30000

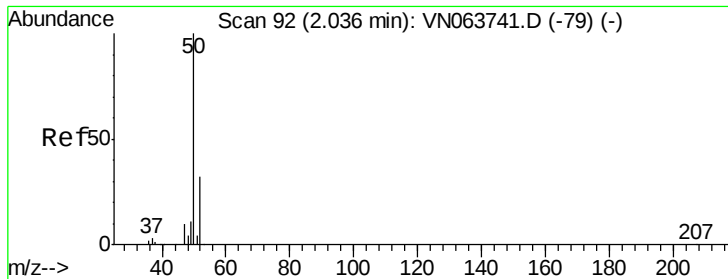
20000

10000

0

Time--> 1.80 1.85 1.90





#3

Chloromethane

Concen: 17.958 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN063913.D

Acq: 7 Oct 2020 00:17

Instrument :

MSVOA_N

ClientSampleId :

VN1006WBSD04

Tot Ion: 50 Resp: 57693

Ion Ratio Lower Upper

50 100

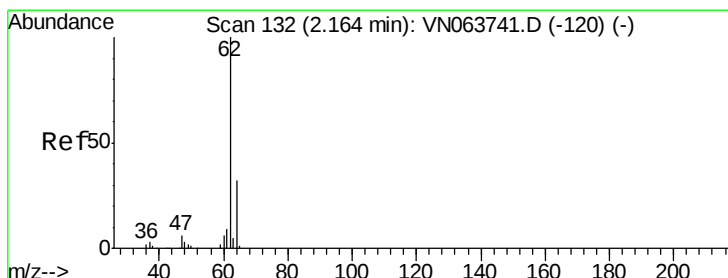
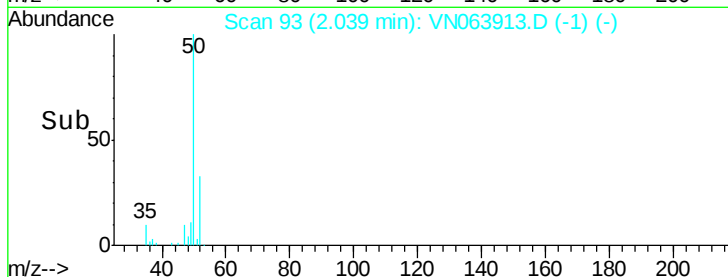
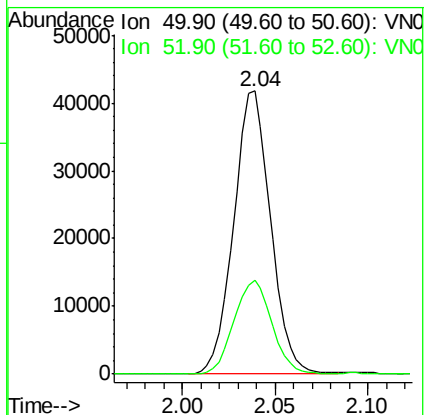
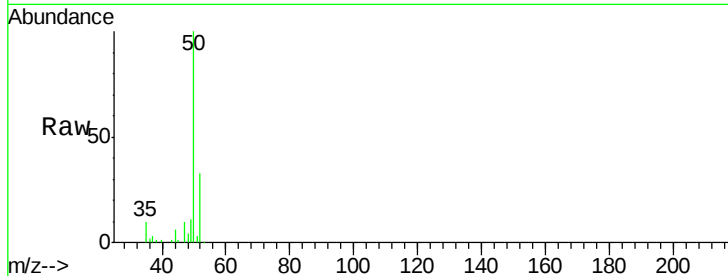
52 33.1 25.8 38.8

Manual Integrations

APPROVED

MMDadoda

10/7/2020 12:12:02 PM



#4

Vinyl Chloride

Concen: 17.558 ug/l

RT: 2.16 min Scan# 132

Delta R.T. 0.00 min

Lab File: VN063913.D

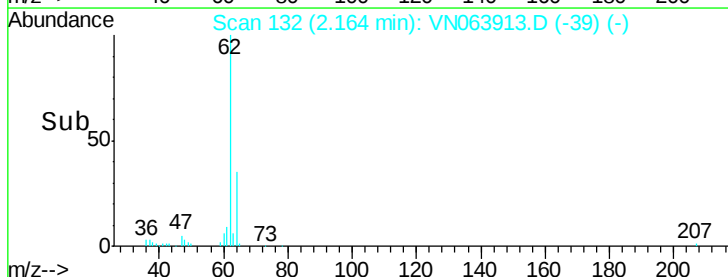
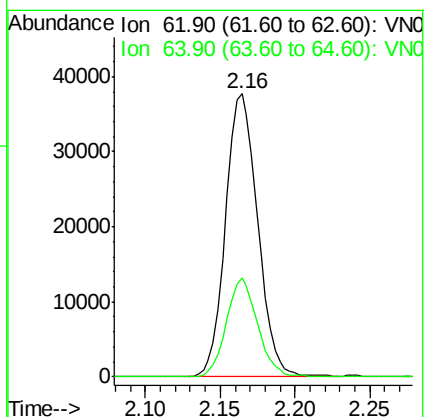
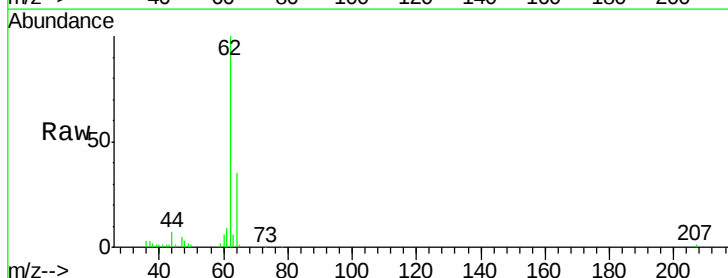
Acq: 7 Oct 2020 00:17

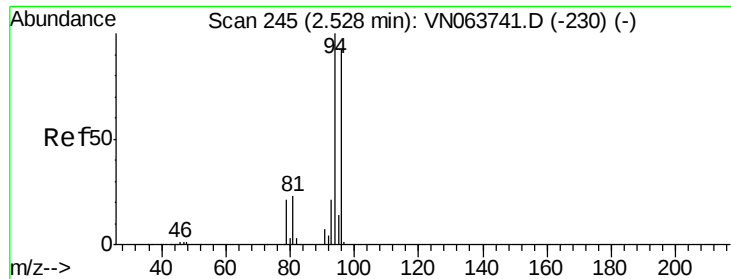
Tgt Ion: 62 Resp: 56624

Ion Ratio Lower Upper

62 100

64 34.9 25.6 38.4





#5

Bromomethane

Concen: 17.970 ug/l

RT: 2.53 min Scan# 246

Delta R.T. 0.00 min

Lab File: VN063913.D

Acq: 7 Oct 2020 00:17

Instrument :

MSVOA_N

ClientSampleId :

VN1006WBSD04

Tot Ion: 94 Resp: 36451

Ion Ratio Lower Upper

94 100

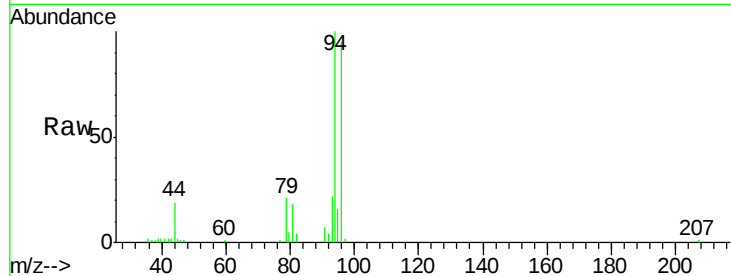
96 95.0 73.3 109.9

Manual Integrations

APPROVED

MMDadoda

10/7/2020 12:12:02 PM

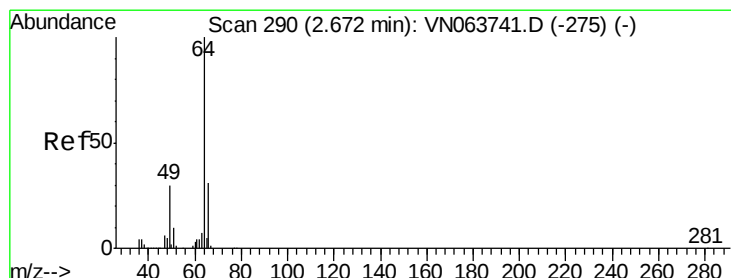
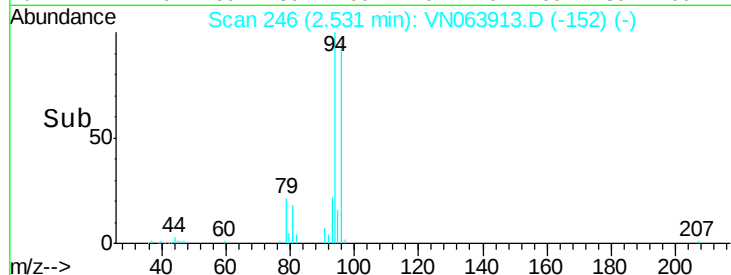


Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.53

Time-->



#6

Chloroethane

Concen: 19.644 ug/l

RT: 2.67 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN063913.D

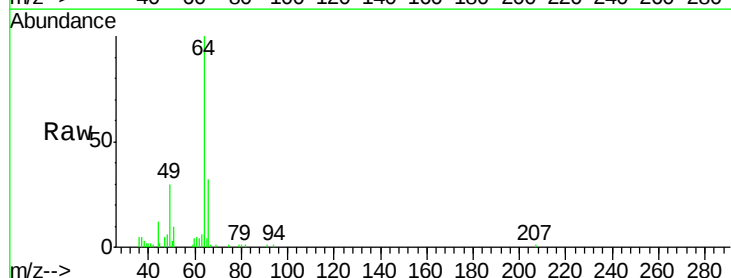
Acq: 7 Oct 2020 00:17

Tgt Ion: 64 Resp: 37854

Ion Ratio Lower Upper

64 100

66 31.7 25.1 37.7

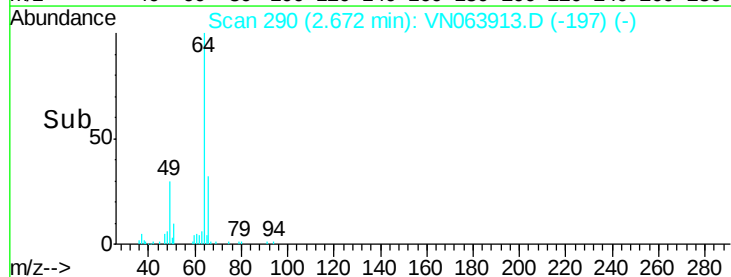


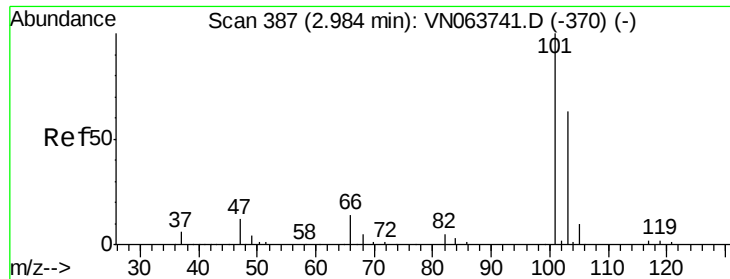
Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.67

Time-->





#7

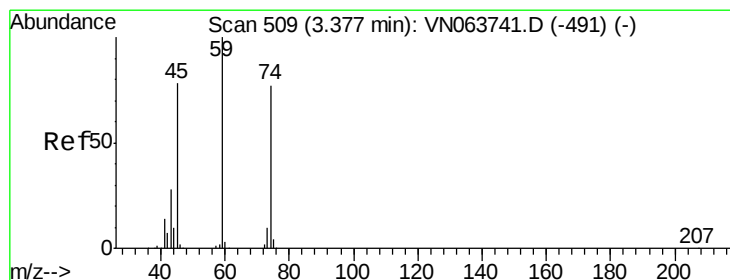
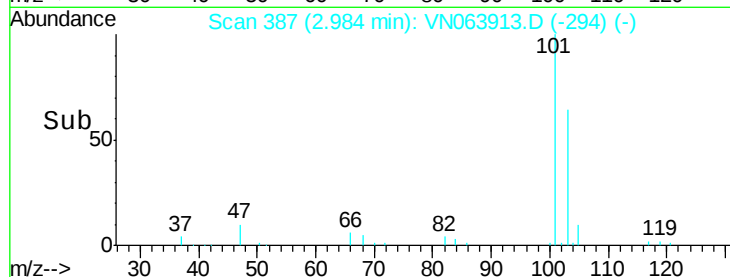
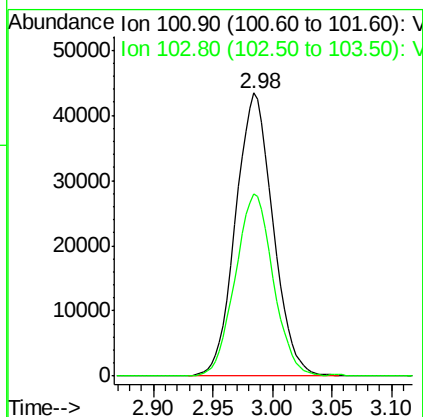
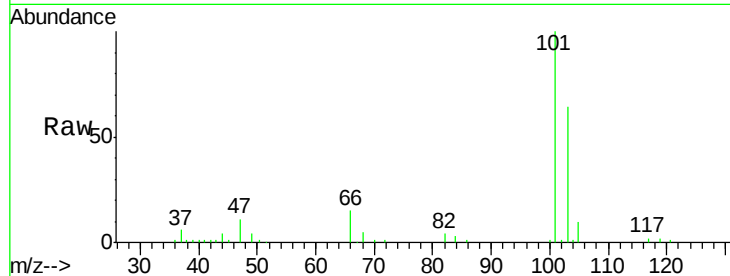
Trichlorofluoromethane
Concen: 18.503 ug/l
RT: 2.98 min Scan# 387
Delta R.T. 0.00 min
Lab File: VN063913.D
Acq: 7 Oct 2020 00:17

Instrument :
MSVOA_N
ClientSampleId :
VN1006WBSD04

Tot Ion:101 Resp: 94636
Ion Ratio Lower Upper
101 100
103 64.5 50.7 76.1

Manual Integrations
APPROVED

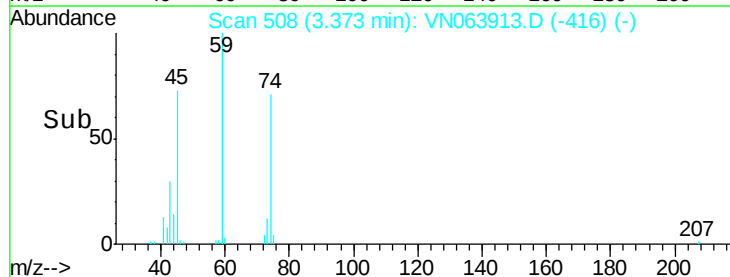
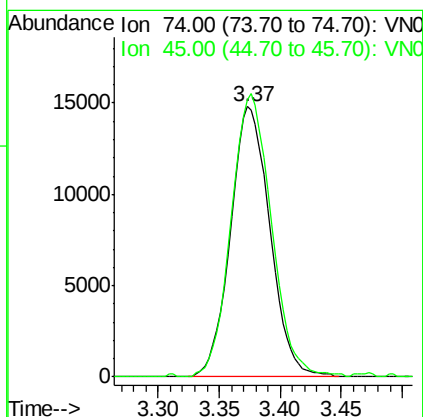
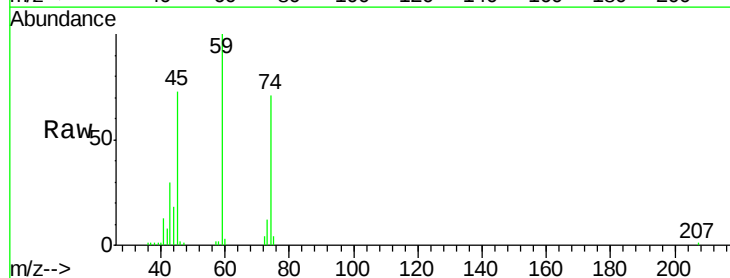
MMDadoda
10/7/2020 12:12:02 PM

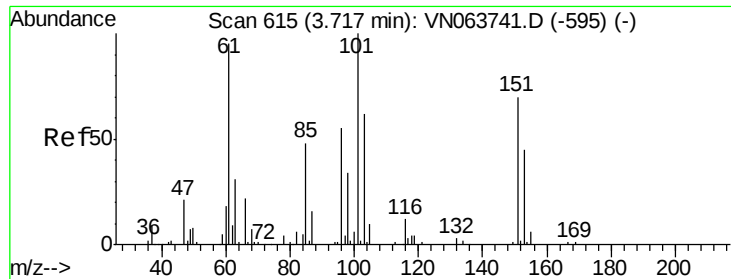


#8

Diethyl Ether
Concen: 19.185 ug/l
RT: 3.37 min Scan# 508
Delta R.T. -0.00 min
Lab File: VN063913.D
Acq: 7 Oct 2020 00:17

Tgt Ion: 74 Resp: 33186
Ion Ratio Lower Upper
74 100
45 107.2 50.9 152.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.154 ug/l

RT: 3.72 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN063913.D

Acq: 7 Oct 2020 00:17

Instrument :

MSVOA_N

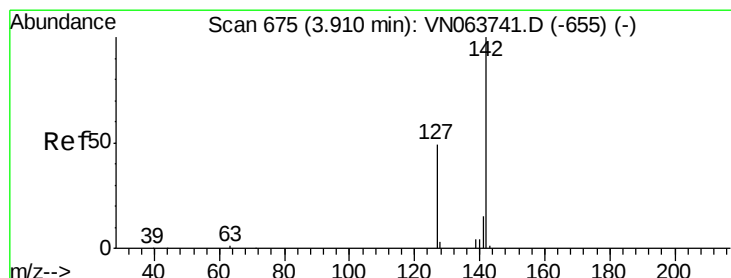
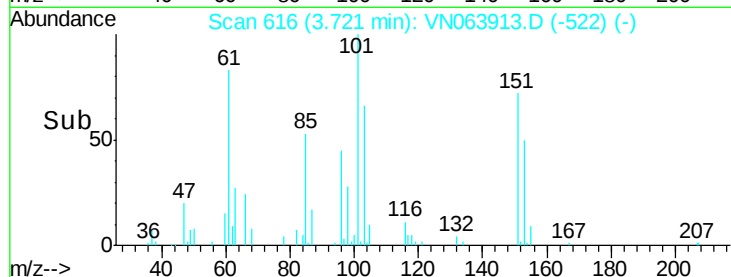
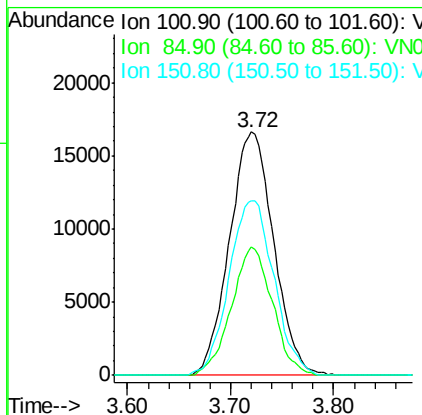
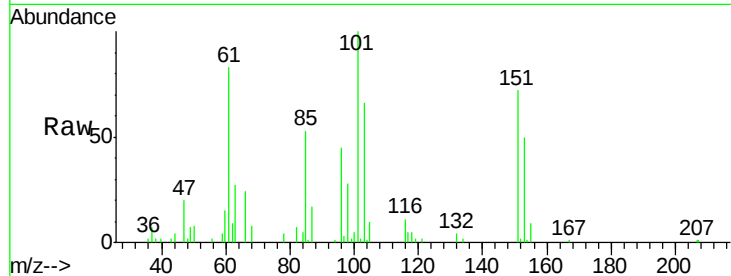
ClientSampleId :

VN1006WBSD04

Tot Ion:	101	Resp:	49627
Ion Ratio	Lower	Upper	
101	100		
85	48.9	38.6	58.0
151	72.9	58.7	88.1

Manual Integrations
APPROVED

MMDadoda
10/7/2020 12:12:02 PM



#10

Methyl Iodide

Concen: 16.769 ug/l

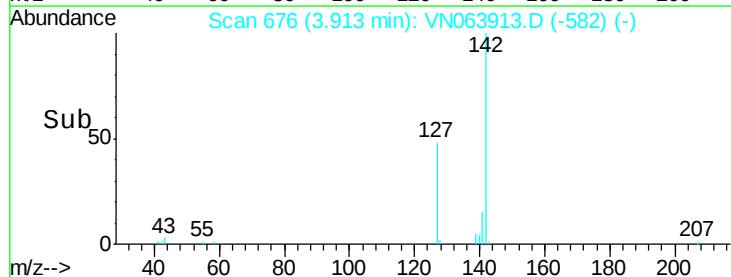
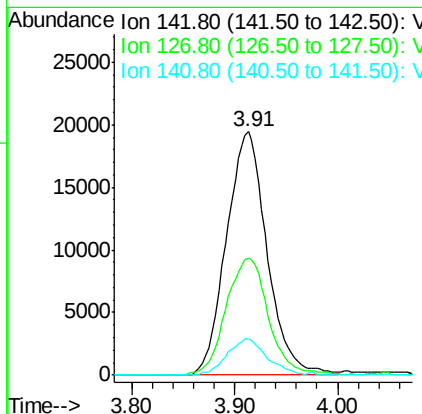
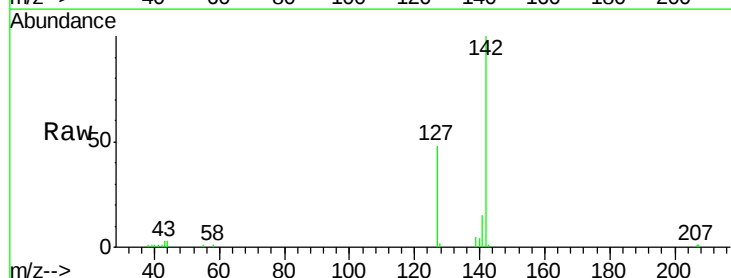
RT: 3.91 min Scan# 676

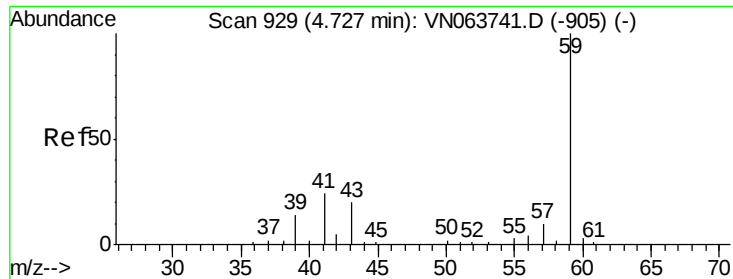
Delta R.T. 0.00 min

Lab File: VN063913.D

Acq: 7 Oct 2020 00:17

Tgt Ion:	142	Resp:	53228
Ion Ratio	Lower	Upper	
142	100		
127	50.4	40.5	60.7
141	14.6	11.7	17.5





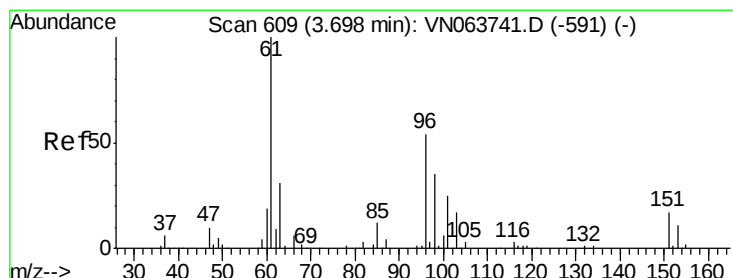
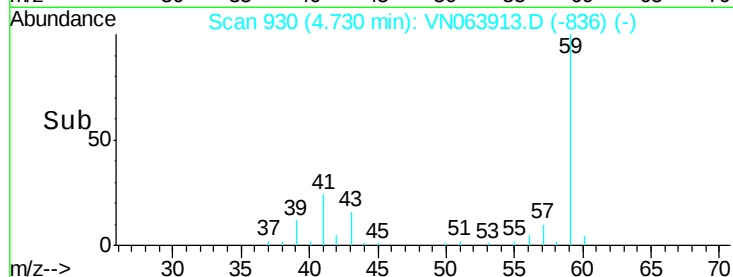
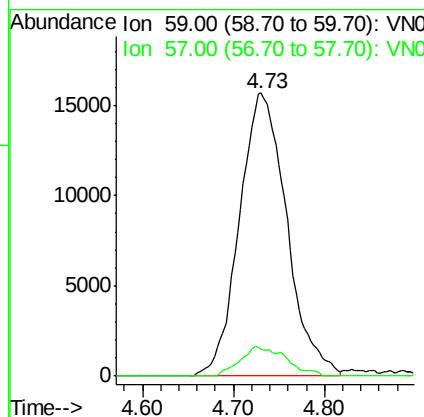
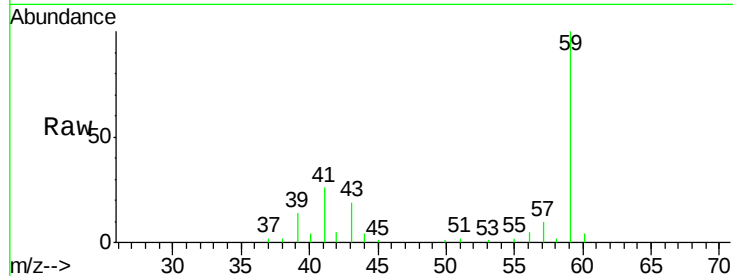
#11
Tert butyl alcohol
Concen: 119.801 ug/l
RT: 4.73 min Scan# 930
Delta R.T. 0.00 min
Lab File: VN063913.D
Acq: 7 Oct 2020 00:17

Instrument :
MSVOA_N
ClientSampleId :
VN1006WBSD04

Tot Ion: 59 Resp: 56701
Ion Ratio Lower Upper
59 100
57 9.6 8.7 13.1

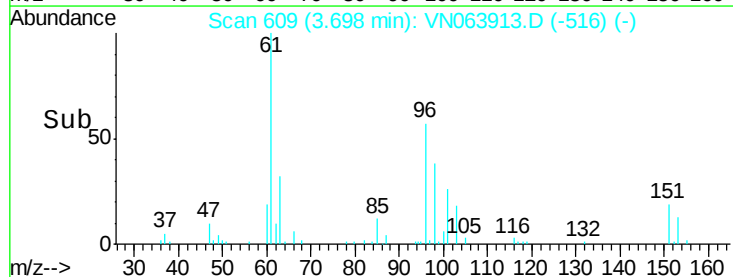
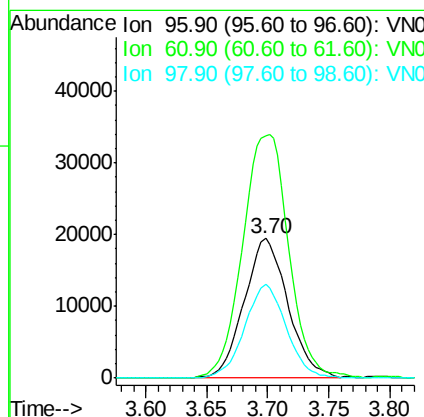
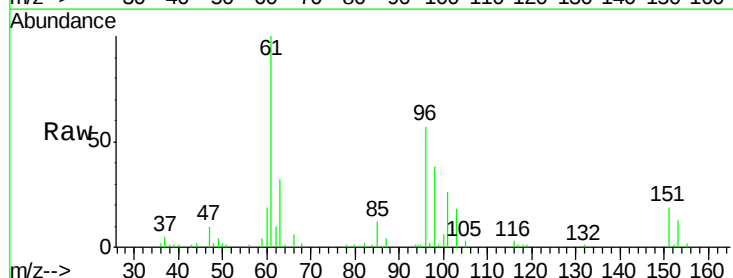
Manual Integrations
APPROVED

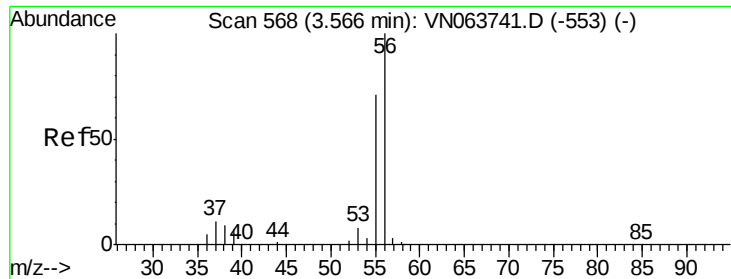
MMDadoda
10/7/2020 12:12:02 PM



#12
1,1-Dichloroethene
Concen: 18.486 ug/l
RT: 3.70 min Scan# 609
Delta R.T. 0.00 min
Lab File: VN063913.D
Acq: 7 Oct 2020 00:17

Tgt Ion: 96 Resp: 48303
Ion Ratio Lower Upper
96 100
61 174.3 147.7 221.5
98 67.0 51.9 77.9





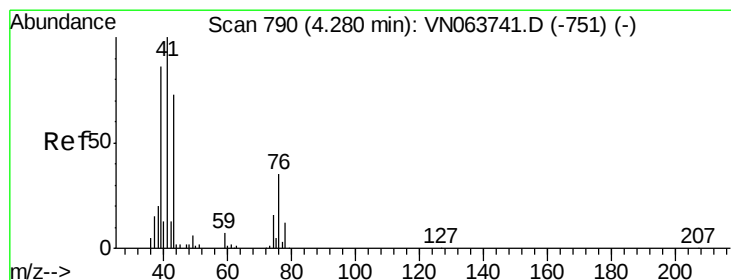
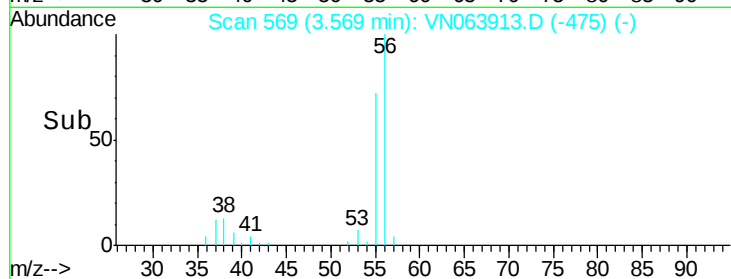
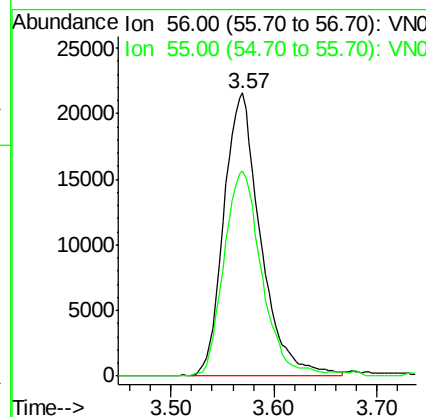
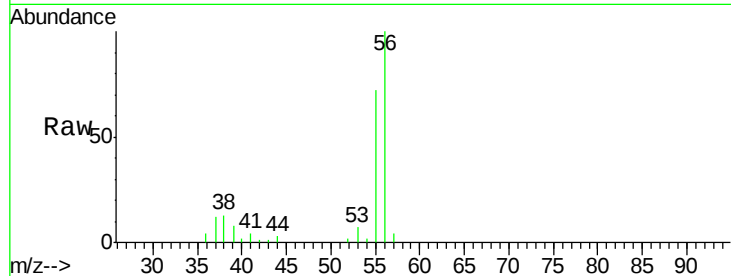
#13
Acrolein
Concen: 184.911 ug/l
RT: 3.57 min Scan# 569
Delta R.T. 0.00 min
Lab File: VN063913.D
Acq: 7 Oct 2020 00:17

Instrument :
MSVOA_N
ClientSampleId :
VN1006WBSD04

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

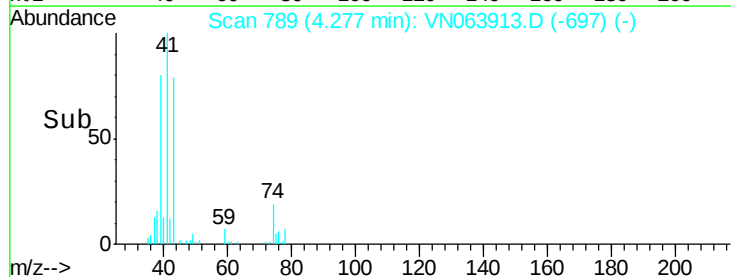
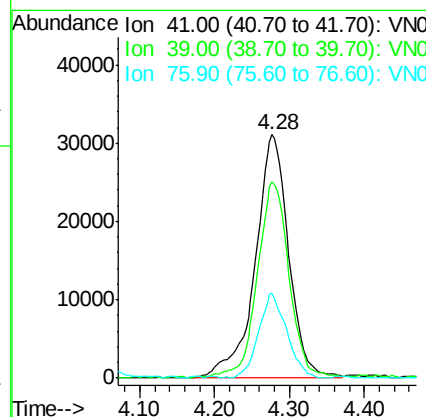
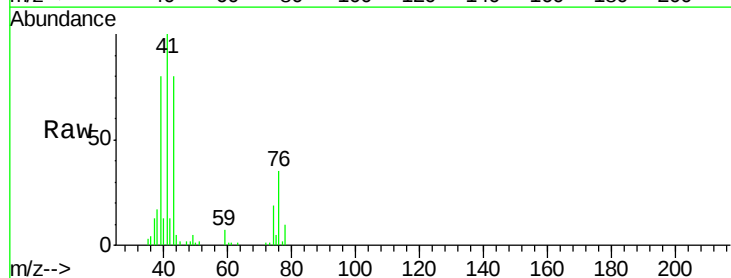
Manual Integrations
APPROVED

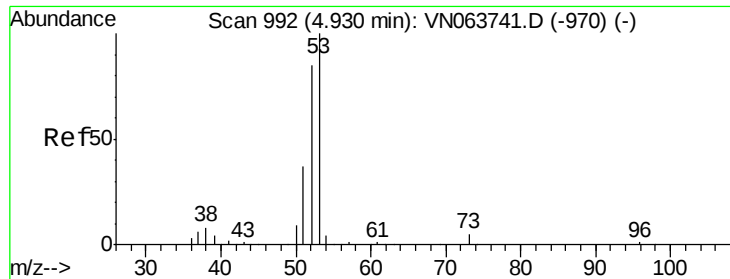
MMDadoda
10/7/2020 12:12:02 PM



#14
Allyl chloride
Concen: 19.943 ug/l
RT: 4.28 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN063913.D
Acq: 7 Oct 2020 00:17

Tgt Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	74.6	64.5	96.7
76	76	29.3	25.9	38.9





#15

Acrylonitrile

Concen: 105.360 ug/l

RT: 4.93 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN063913.D

Acq: 7 Oct 2020 00:17

Instrument :

MSVOA_N

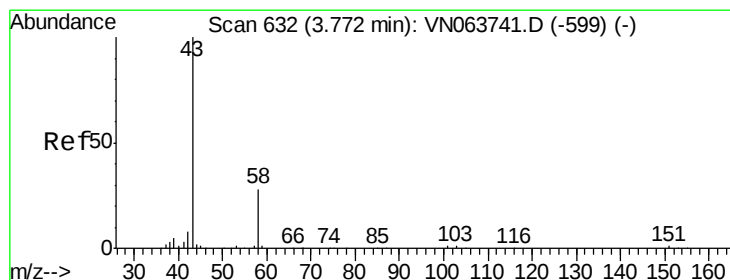
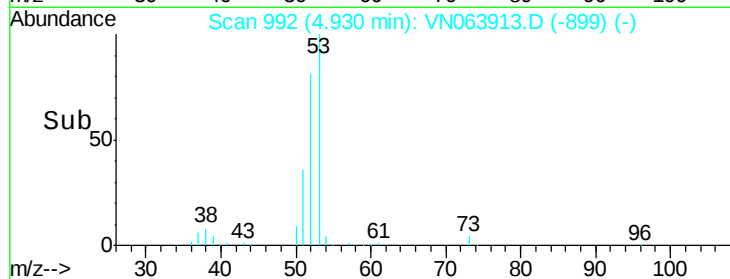
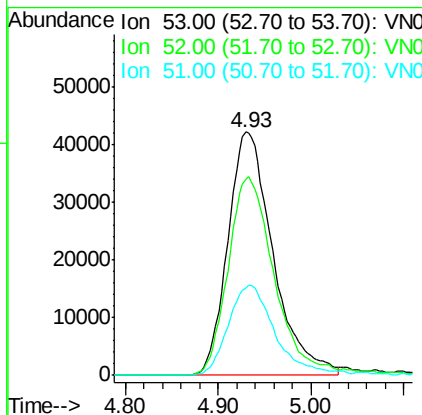
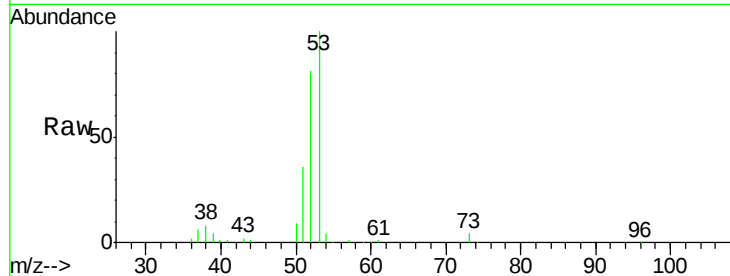
ClientSampleId :

VN1006WBSD04

Tot Ion:	53	Resp:	142738
Ion	Ratio	Lower	Upper
53	100		
52	81.7	66.5	99.7
51	37.8	29.9	44.9

Manual Integrations
APPROVED

MMDadoda
10/7/2020 12:12:02 PM



#16

Acetone

Concen: 104.696 ug/l

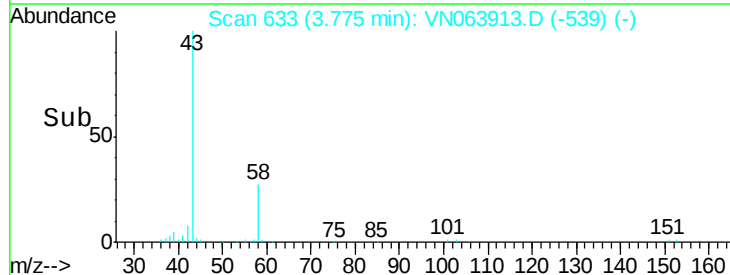
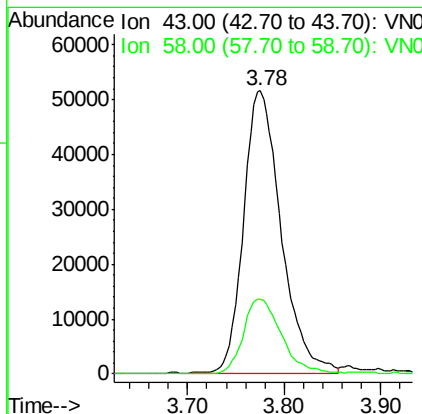
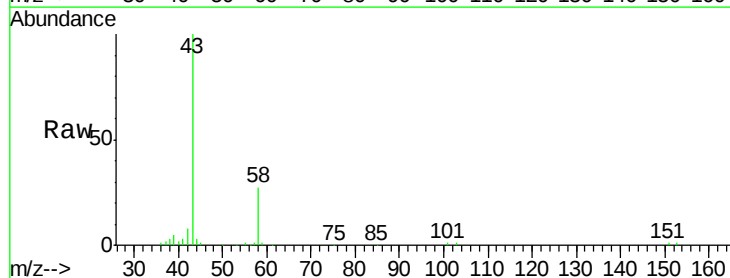
RT: 3.78 min Scan# 633

Delta R.T. 0.00 min

Lab File: VN063913.D

Acq: 7 Oct 2020 00:17

Tgt Ion:	43	Resp:	138163
Ion	Ratio	Lower	Upper
43	100		
58	26.7	22.3	33.5





#17

Carbon Disulfide

Concen: 18.671 ug/l

RT: 4.01 min Scan# 707

Delta R.T. 0.00 min

Lab File: VN063913.D

Acq: 7 Oct 2020 00:17

Instrument :

MSVOA_N

ClientSampleId :

VN1006WBSD04

Tot Ion: 76 Resp: 128716

Ion Ratio Lower Upper

76 100

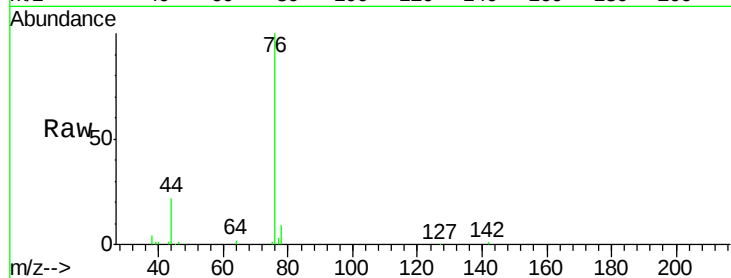
78 8.9 7.0 10.4

Manual Integrations

APPROVED

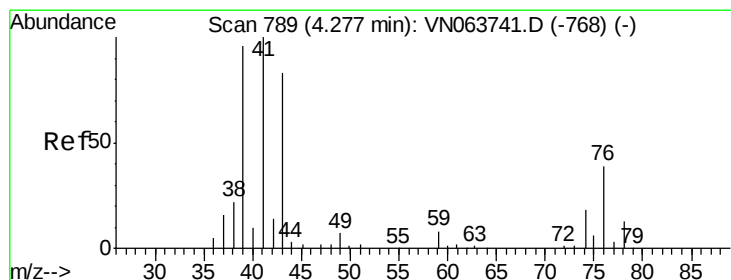
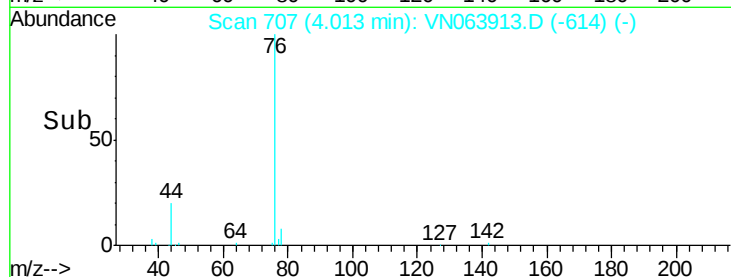
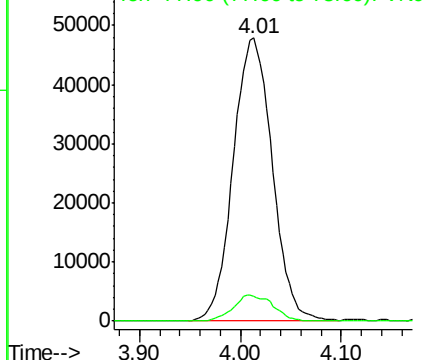
MMDadoda

10/7/2020 12:12:02 PM



Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC



#18

Methyl Acetate

Concen: 21.833 ug/l

RT: 4.28 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN063913.D

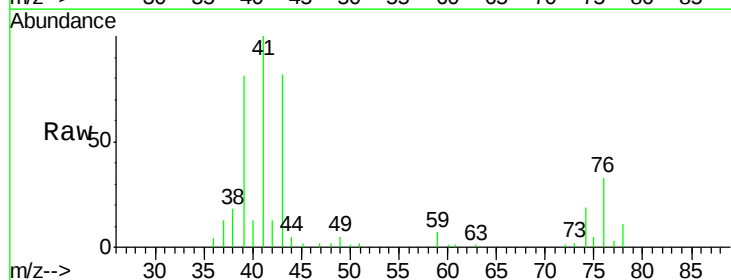
Acq: 7 Oct 2020 00:17

Tgt Ion: 43 Resp: 74807

Ion Ratio Lower Upper

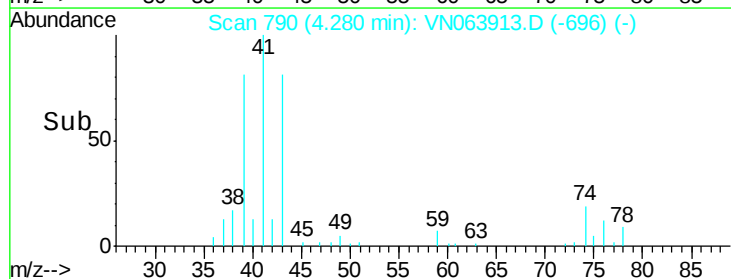
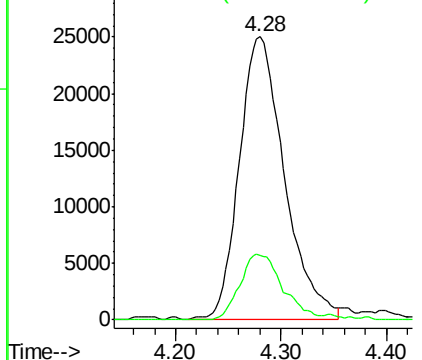
43 100

74 21.9 17.4 26.2



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 74.00 (73.70 to 74.70): VNC





#19

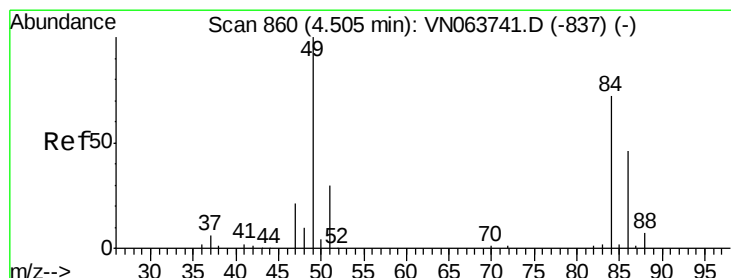
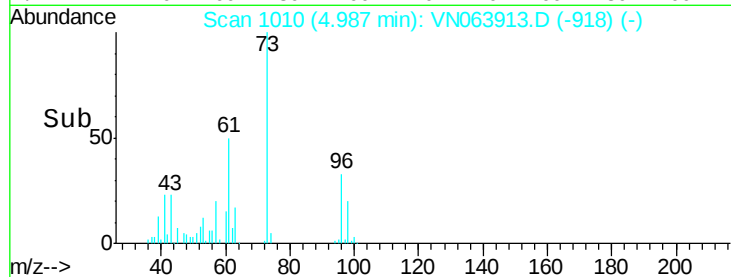
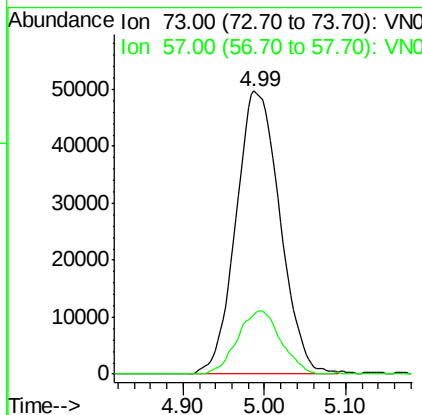
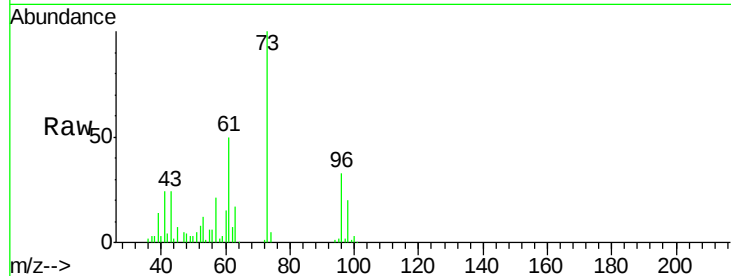
Methyl tert-butyl Ether
 Concen: 19.617 ug/l
 RT: 4.99 min Scan# 1010
 Delta R.T. -0.00 min
 Lab File: VN063913.D
 Acq: 7 Oct 2020 00:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1006WBSD04

Tot Ion: 73 Resp: 186231
 Ion Ratio Lower Upper
 73 100
 57 21.1 17.6 26.4

Manual Integrations
 APPROVED

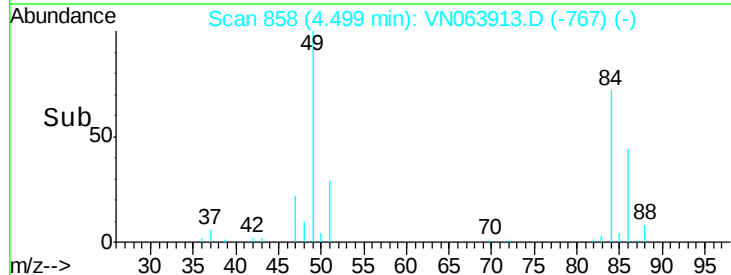
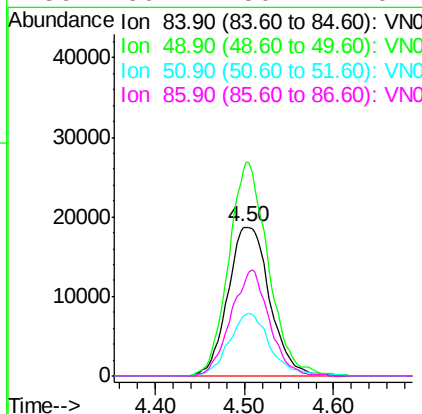
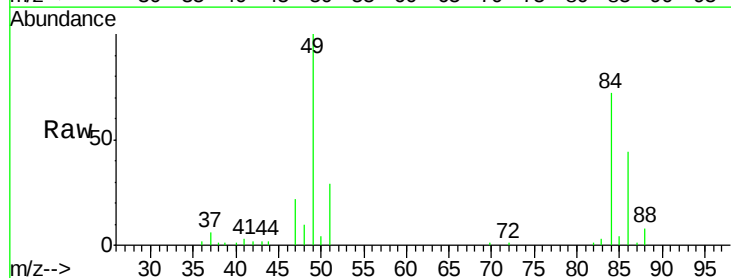
MMDadoda
 10/7/2020 12:12:02 PM

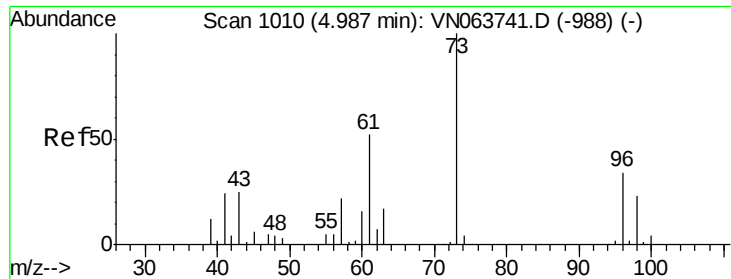


#20

Methylene Chloride
 Concen: 20.186 ug/l
 RT: 4.50 min Scan# 858
 Delta R.T. -0.01 min
 Lab File: VN063913.D
 Acq: 7 Oct 2020 00:17

Tgt Ion: 84 Resp: 60839
 Ion Ratio Lower Upper
 84 100
 49 138.2 110.4 165.6
 51 40.5 33.3 49.9
 86 60.1 50.7 76.1





#21

trans-1,2-Dichloroethene

Concen: 18.187 ug/l

RT: 4.99 min Scan# 1010

Delta R.T. 0.00 min

Lab File: VN063913.D

Acq: 7 Oct 2020 00:17

Instrument :

MSVOA_N

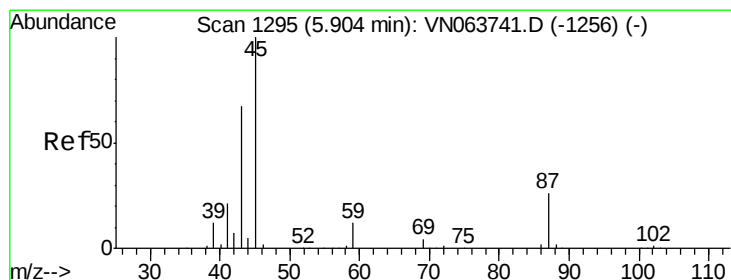
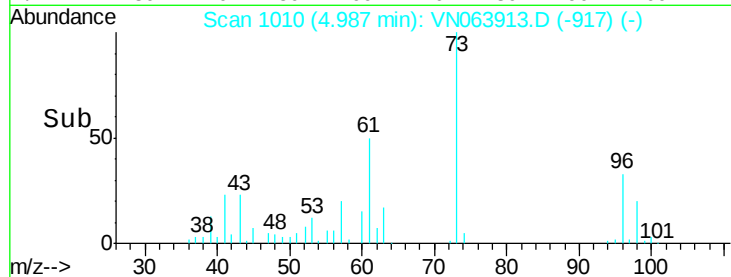
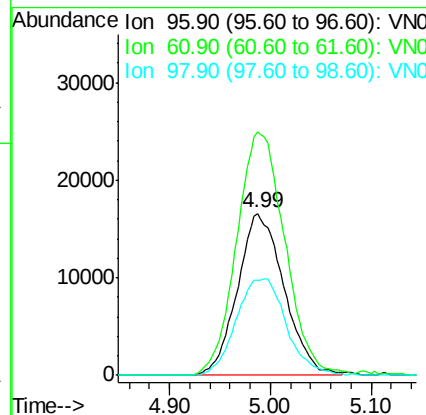
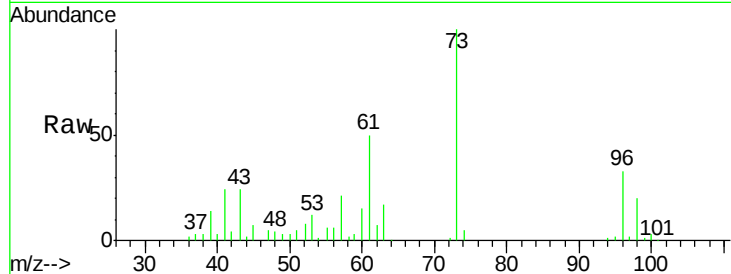
ClientSampleId :

VN1006WBSD04

Tot Ion:	96	Resp:	53230
Ion	Ratio	Lower	Upper
96	100		
61	150.1	120.2	180.2
98	58.7	52.6	79.0

Manual Integrations
APPROVED

MMDadoda
10/7/2020 12:12:02 PM



#22

Diisopropyl ether

Concen: 20.612 ug/l

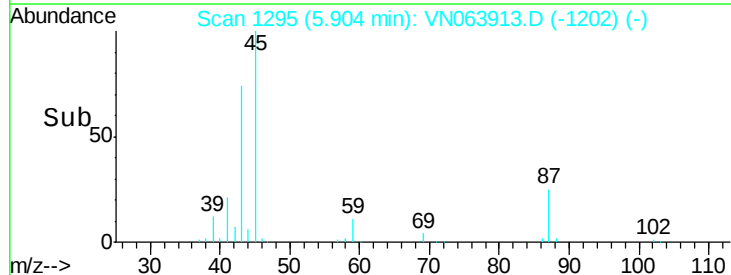
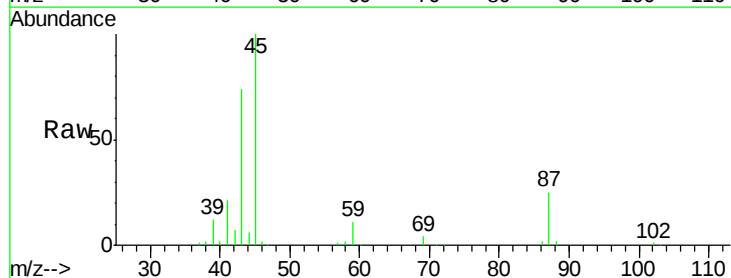
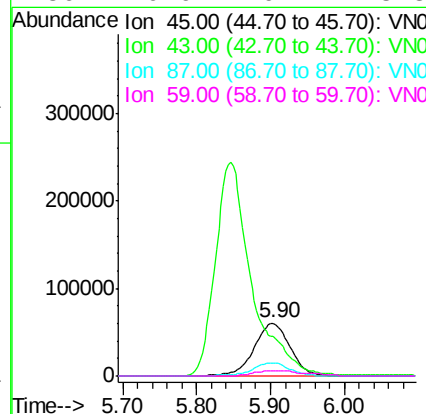
RT: 5.90 min Scan# 1295

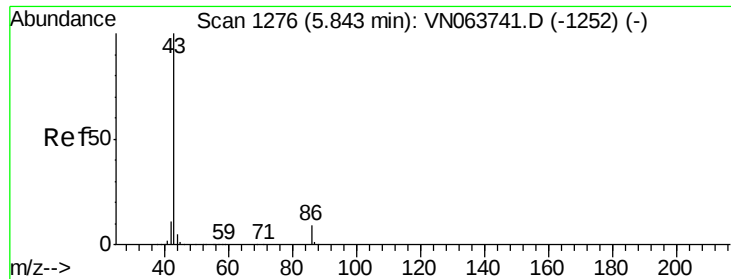
Delta R.T. 0.00 min

Lab File: VN063913.D

Acq: 7 Oct 2020 00:17

Tgt Ion:	45	Resp:	205869
Ion	Ratio	Lower	Upper
45	100		
43	70.9	53.7	80.5
87	25.3	21.1	31.7
59	10.9	9.2	13.8





#23

Vinyl Acetate

Concen: 101.687 ug/l

RT: 5.85 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VN063913.D

Acq: 7 Oct 2020 00:17

Instrument :

MSVOA_N

ClientSampled :

VN1006WBSD04

Tot Ion: 43 Resp: 841302

Ion Ratio Lower Upper

43 100

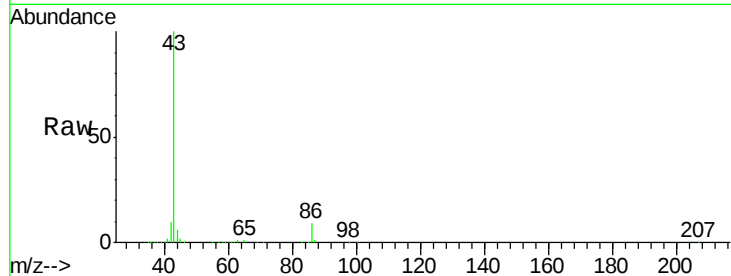
86 9.2 7.3 10.9

Manual Integrations

APPROVED

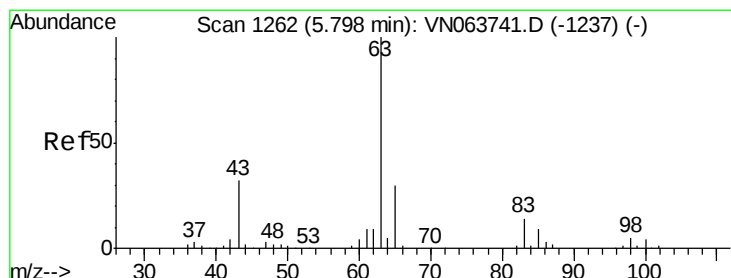
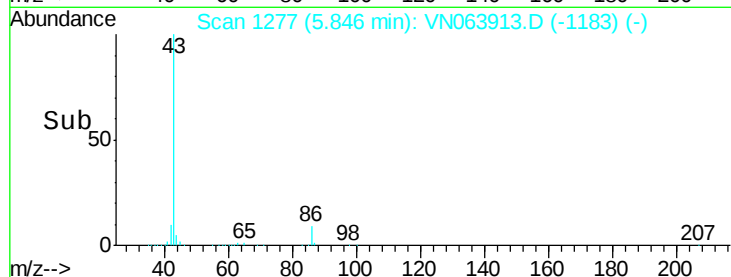
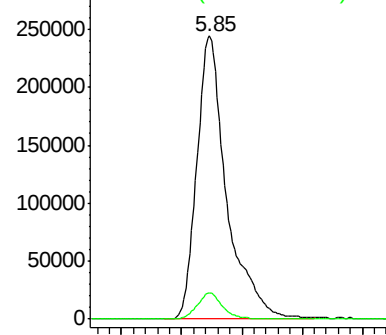
MMDadoda

10/7/2020 12:12:02 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 19.528 ug/l

RT: 5.80 min Scan# 1263

Delta R.T. 0.00 min

Lab File: VN063913.D

Acq: 7 Oct 2020 00:17

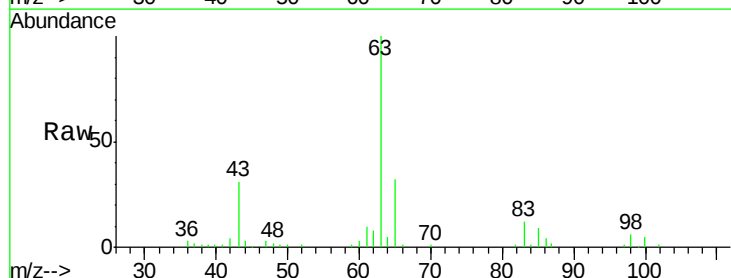
Tgt Ion: 63 Resp: 111521

Ion Ratio Lower Upper

63 100

98 6.1 2.7 8.1

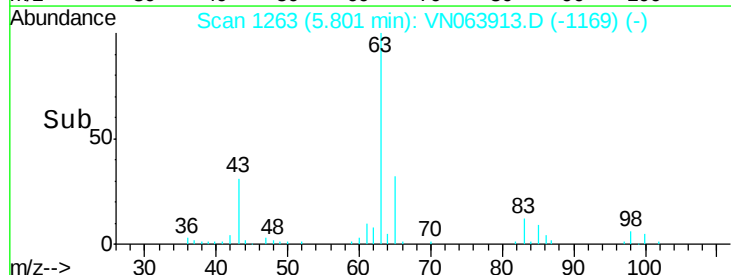
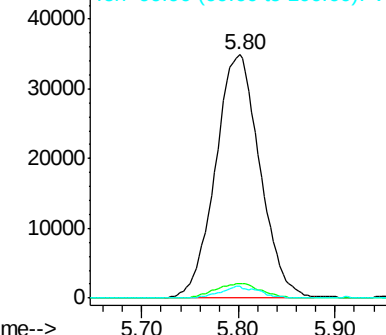
100 4.7 1.9 5.7

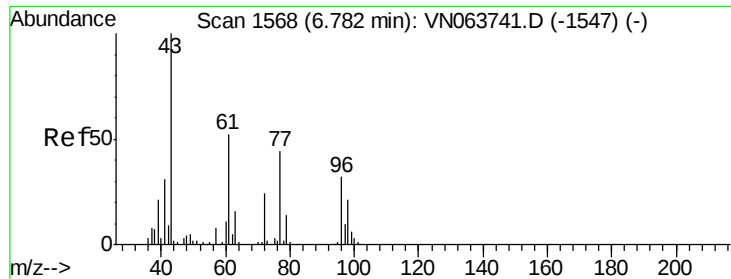


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 111.859 ug/l

RT: 6.79 min Scan# 1570

Delta R.T. 0.01 min

Lab File: VN063913.D

Acq: 7 Oct 2020 00:17

Instrument :

MSVOA_N

ClientSampleId :

VN1006WBSD04

Tot Ion: 43 Resp: 209283

Ion Ratio Lower Upper

43 100

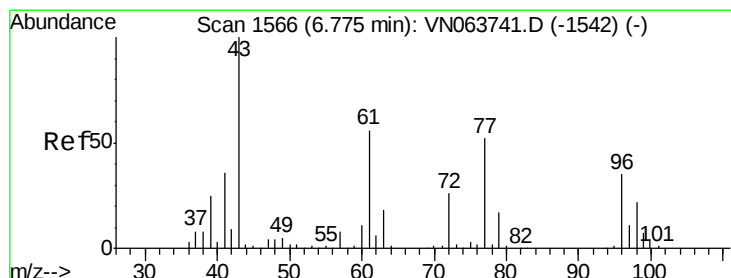
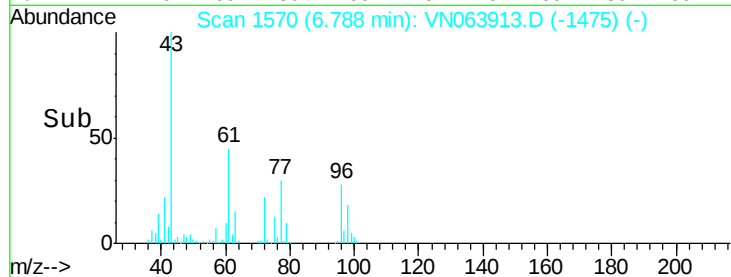
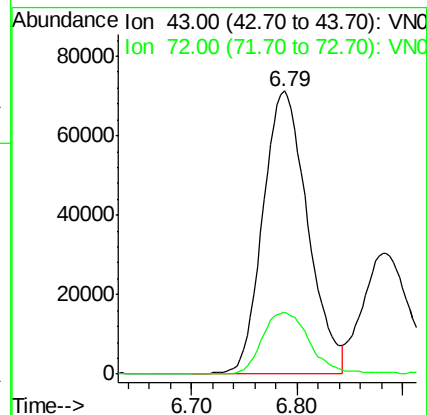
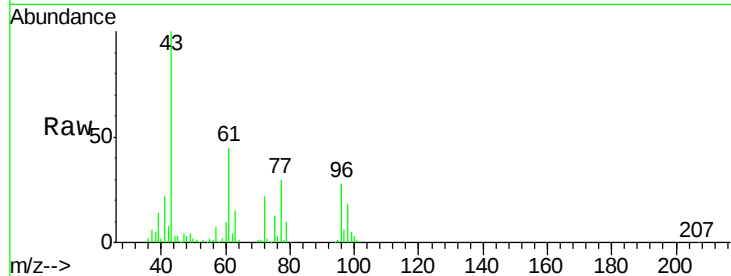
72 21.7 19.3 28.9

Manual Integrations

APPROVED

MMDadoda

10/7/2020 12:12:02 PM



#26

2,2-Dichloropropane

Concen: 15.778 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN063913.D

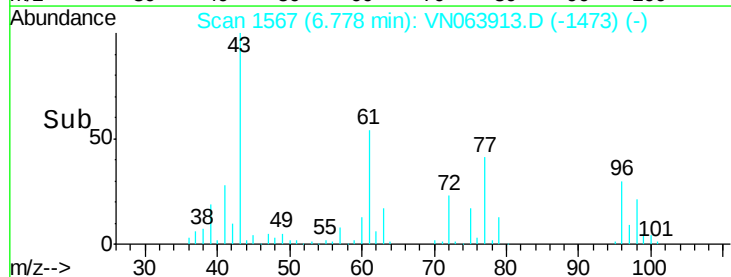
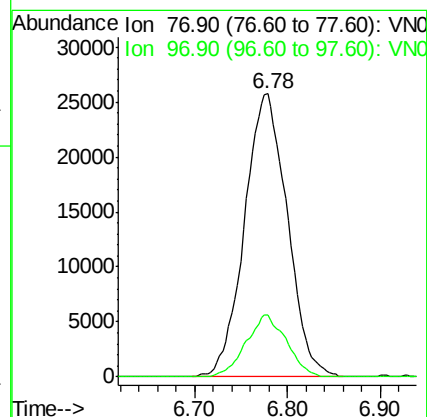
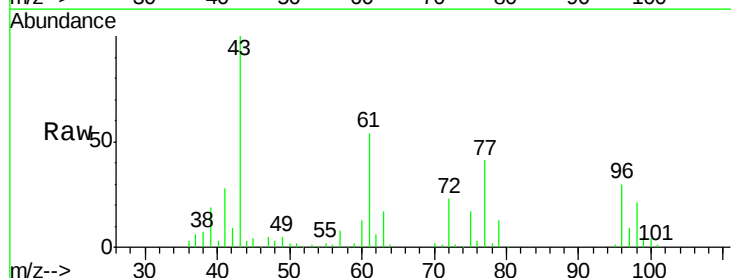
Acq: 7 Oct 2020 00:17

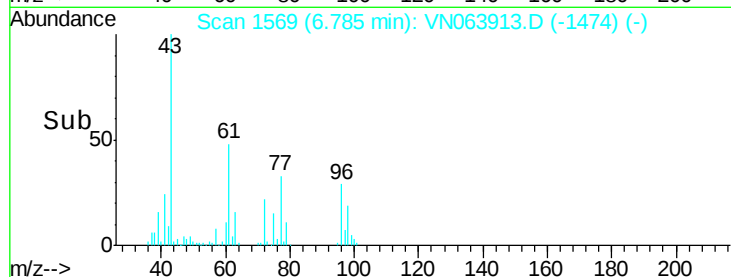
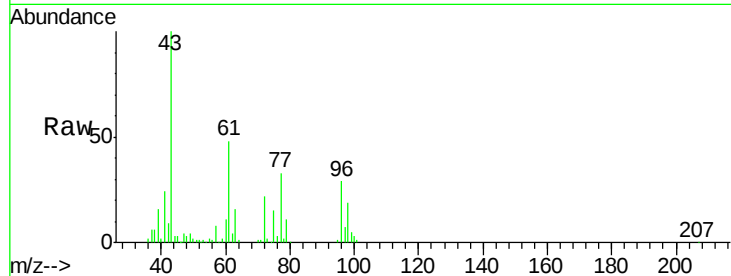
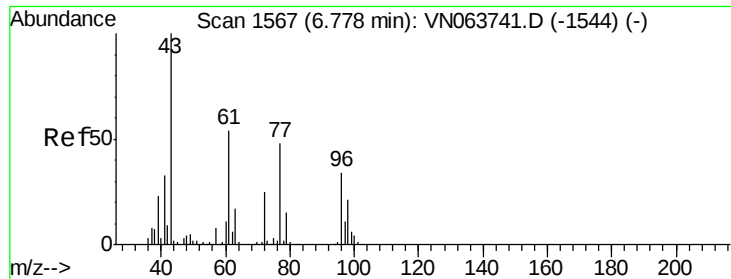
Tgt Ion: 77 Resp: 82517

Ion Ratio Lower Upper

77 100

97 20.6 10.8 32.3





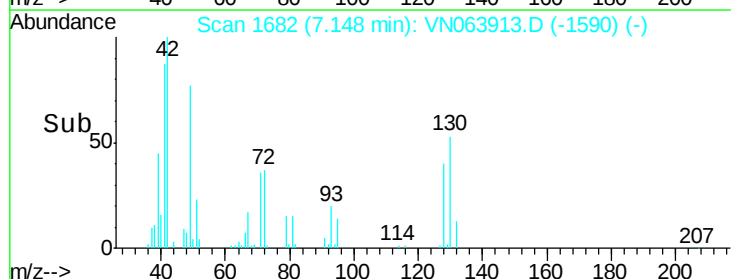
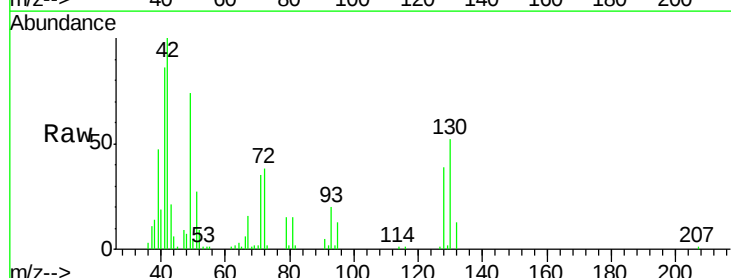
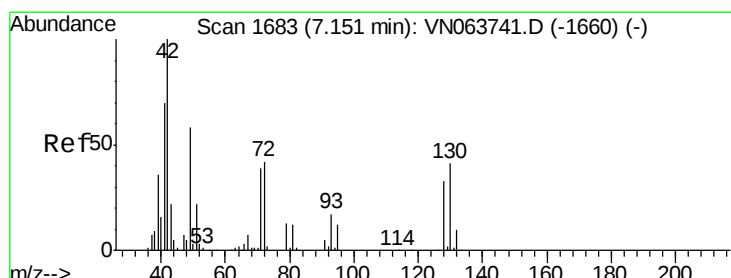
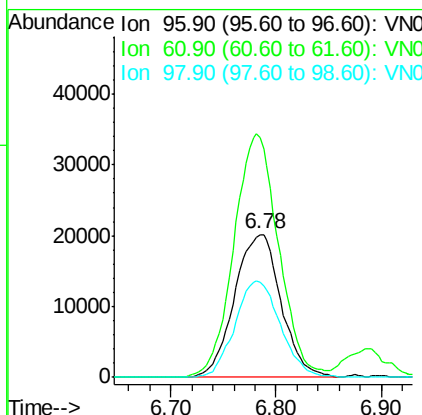
#27
 cis-1,2-Dichloroethene
 Concen: 18.337 ug/l
 RT: 6.78 min Scan# 1569
 Delta R.T. 0.01 min
 Lab File: VN063913.D
 Acq: 7 Oct 2020 00:17

Tot Ion	Ratio	Lower	Upper
96	100		
61	164.0	0.0	321.2
98	66.0	0.0	124.4

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1006WBSD04

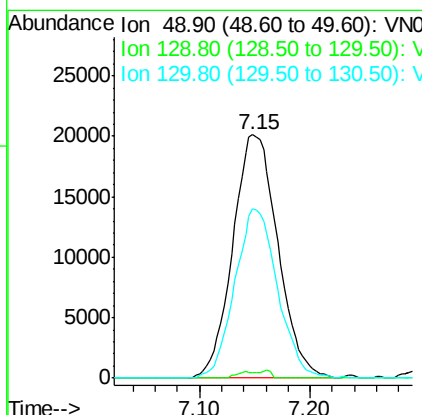
Manual Integrations
 APPROVED

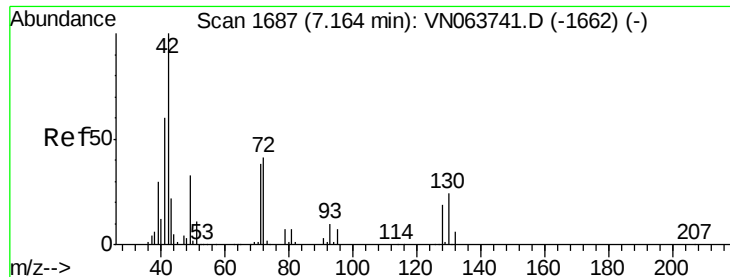
MMDadoda
 10/7/2020 12:12:02 PM



#28
 Bromochloromethane
 Concen: 20.189 ug/l
 RT: 7.15 min Scan# 1682
 Delta R.T. -0.00 min
 Lab File: VN063913.D
 Acq: 7 Oct 2020 00:17

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	4.8
130	65.9	55.6	83.4





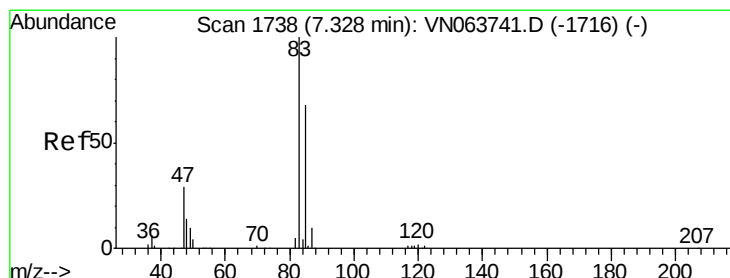
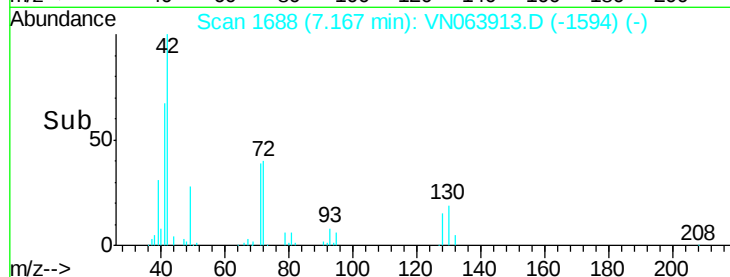
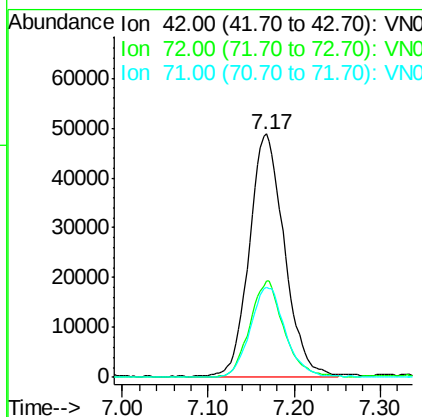
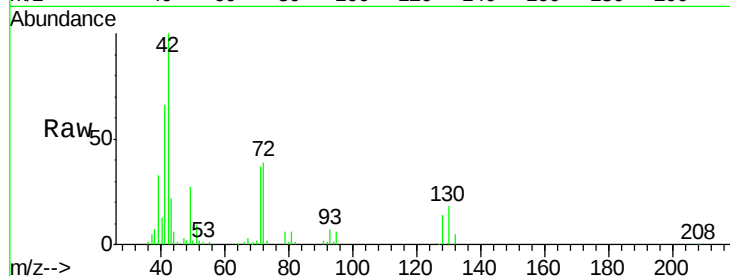
#29
Tetrahydrofuran
Concen: 109.956 ug/l
RT: 7.17 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VN063913.D
Acq: 7 Oct 2020 00:17

Instrument :
MSVOA_N
ClientSampleId :
VN1006WBSD04

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.9	32.8	49.2
71	37.1	30.6	45.8

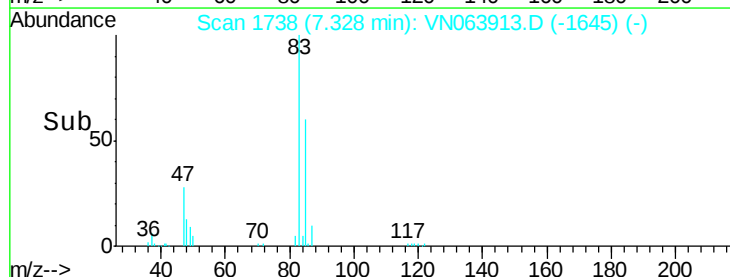
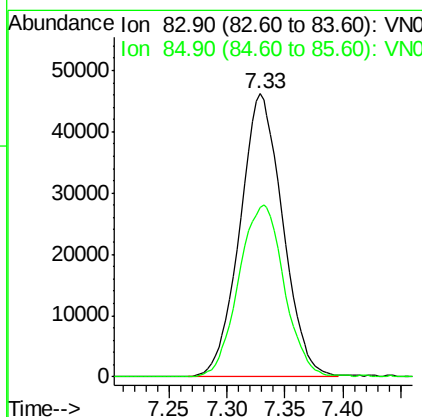
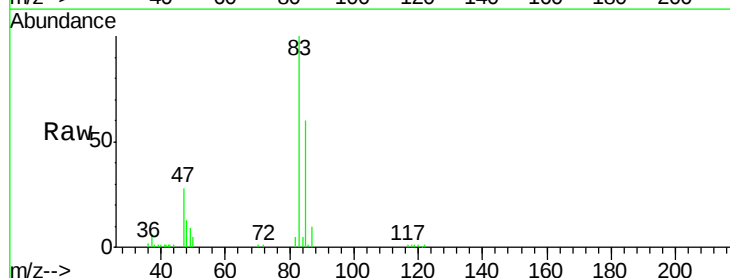
Manual Integrations
APPROVED

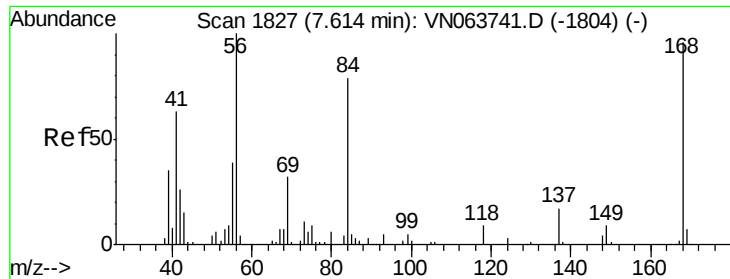
MMDadoda
10/7/2020 12:12:02 PM



#30
Chloroform
Concen: 19.932 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN063913.D
Acq: 7 Oct 2020 00:17

Tgt Ion	Ratio	Lower	Upper
83	100		
85	59.8	54.6	82.0





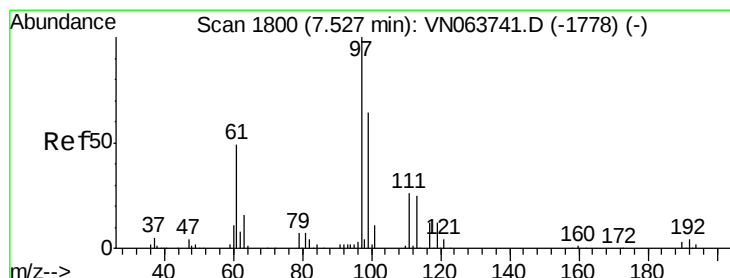
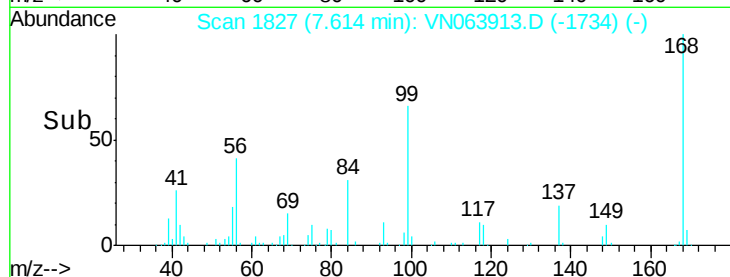
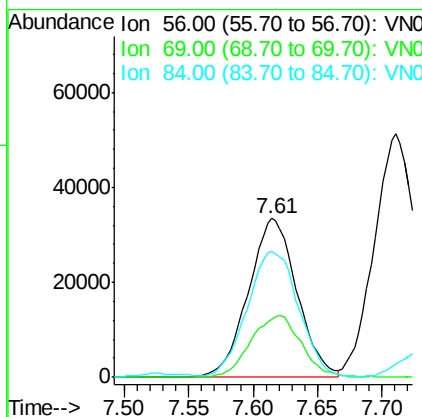
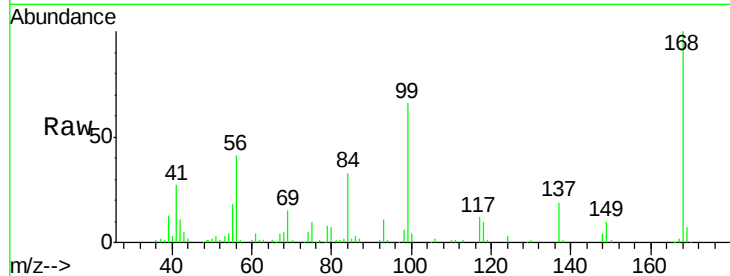
#31
Cyclohexane
Concen: 17.628 ug/l
RT: 7.61 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN063913.D
Acq: 7 Oct 2020 00:17

Instrument :
MSVOA_N
ClientSampleId :
VN1006WBSD04

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	36.5	25.4	38.2	
84	77.4	63.3	94.9	

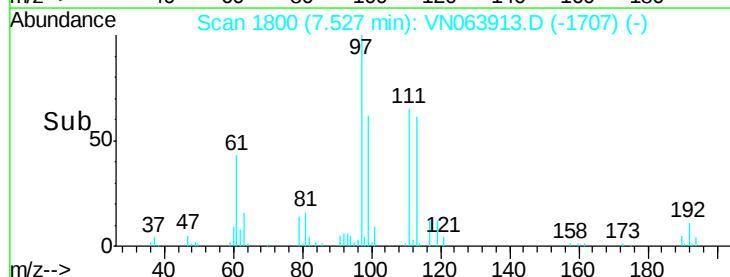
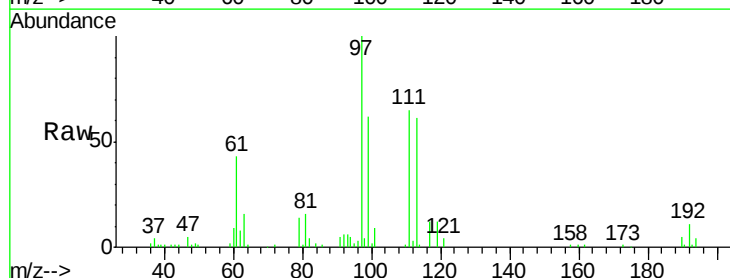
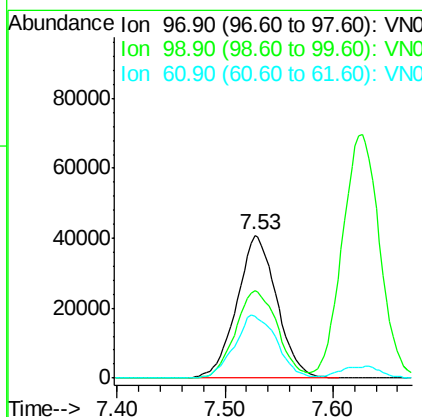
Manual Integrations
APPROVED

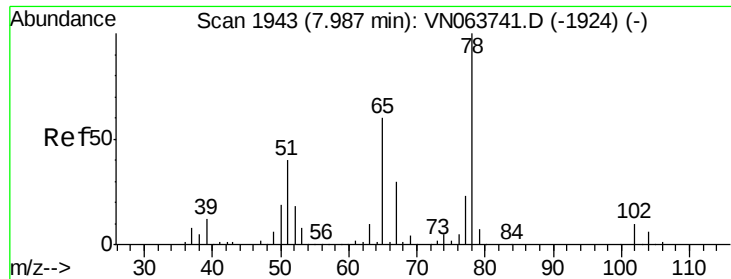
MMDadoda
10/7/2020 12:12:02 PM



#32
1,1,1-Trichloroethane
Concen: 19.577 ug/l
RT: 7.53 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VN063913.D
Acq: 7 Oct 2020 00:17

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	64.4	51.0	76.6	
61	46.6	38.7	58.1	





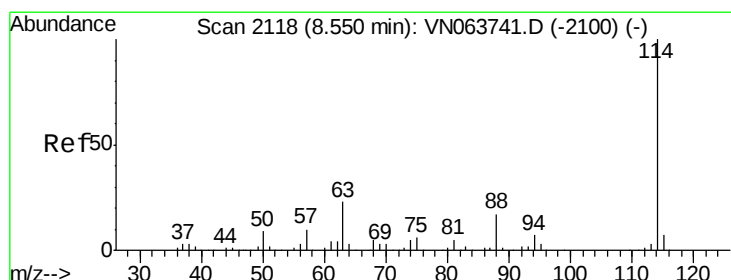
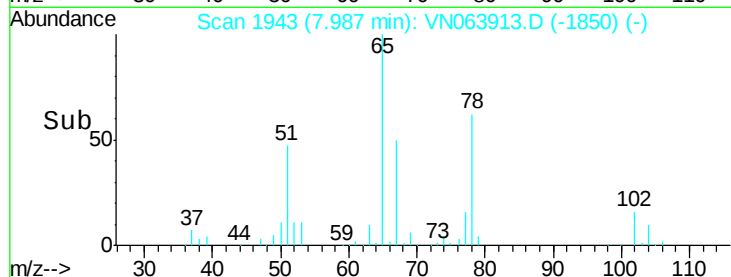
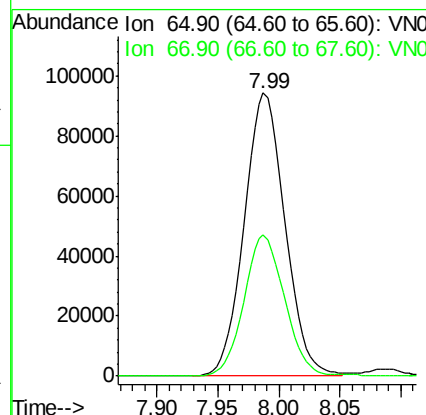
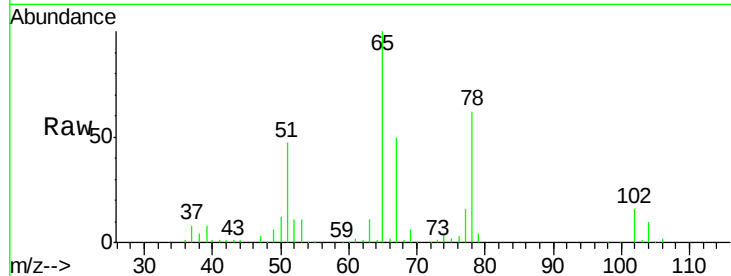
#33
 1,2-Dichloroethane-d4
 Concen: 50.842 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN063913.D
 Acq: 7 Oct 2020 00:17

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1006WBSD04

Tot Ion: 65 Resp: 217955
 Ion Ratio Lower Upper
 65 100
 67 49.5 0.0 99.6

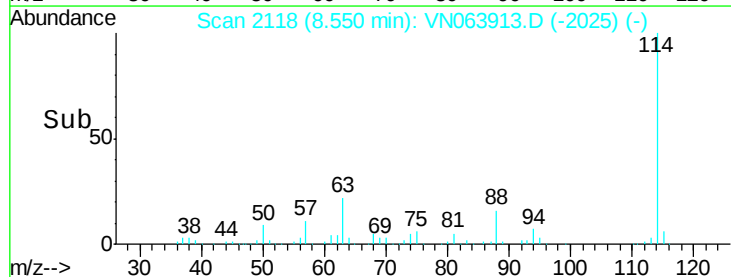
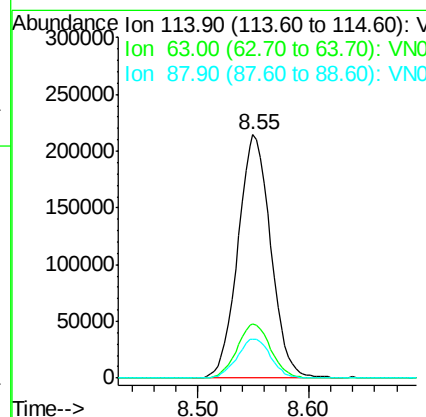
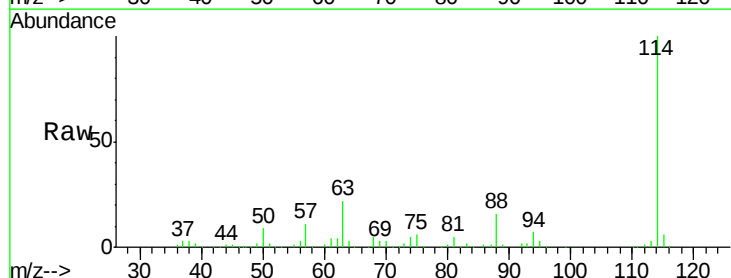
Manual Integrations
 APPROVED

MMDadoda
 10/7/2020 12:12:02 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN063913.D
 Acq: 7 Oct 2020 00:17

Tgt Ion: 114 Resp: 441890
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 45.0
 88 16.2 0.0 34.0





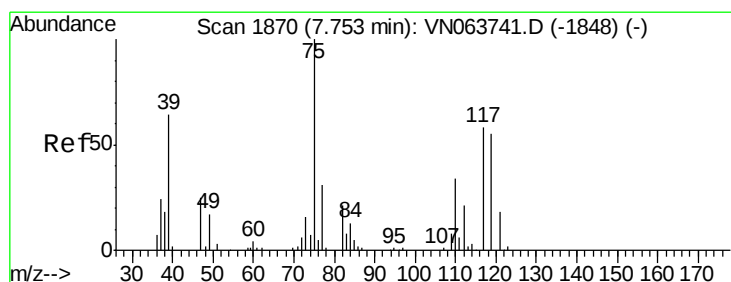
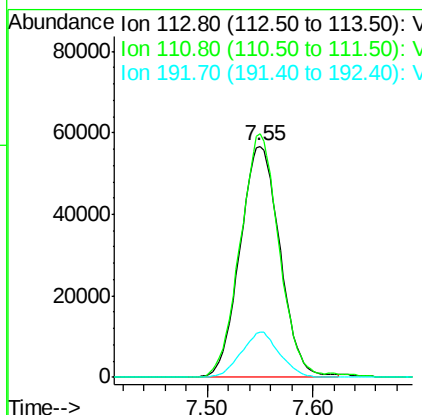
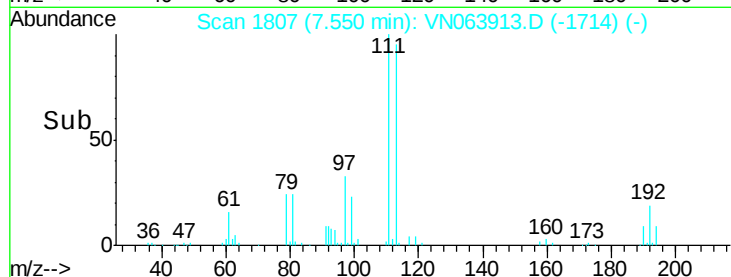
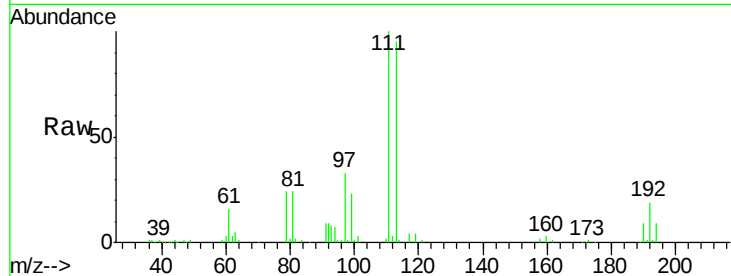
#35
Dibromofluoromethane
Concen: 48.808 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN063913.D
Acq: 7 Oct 2020 00:17

Instrument :
MSVOA_N
ClientSampleId :
VN1006WBSD04

Tot Ion	Ratio	Resp	Lower	Upper
113	100	149655		
111	101.6	81.8	122.8	
192	18.6	14.2	21.2	

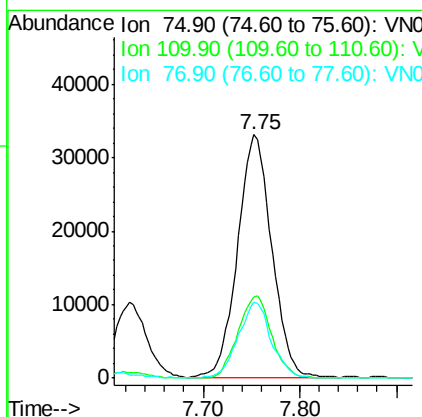
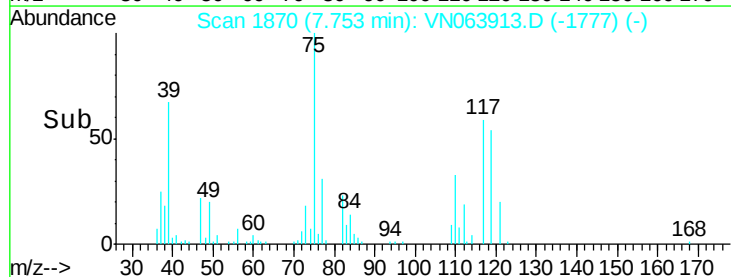
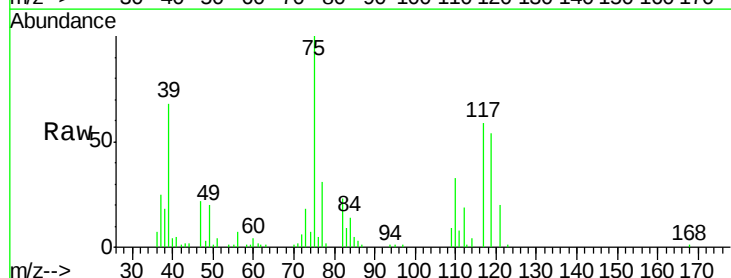
Manual Integrations
APPROVED

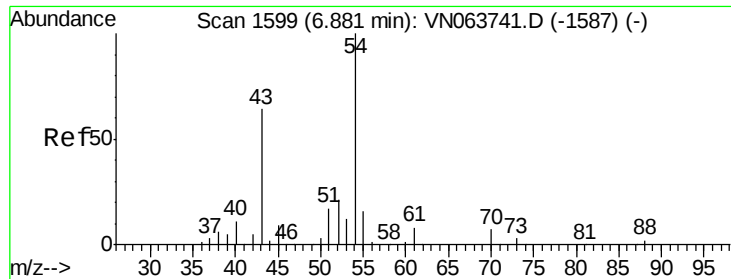
MMDadoda
10/7/2020 12:12:02 PM



#36
1,1-Dichloropropene
Concen: 18.268 ug/l
RT: 7.75 min Scan# 1870
Delta R.T. 0.00 min
Lab File: VN063913.D
Acq: 7 Oct 2020 00:17

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	81783		
110	33.0	16.9	50.6	
77	29.9	24.5	36.7	





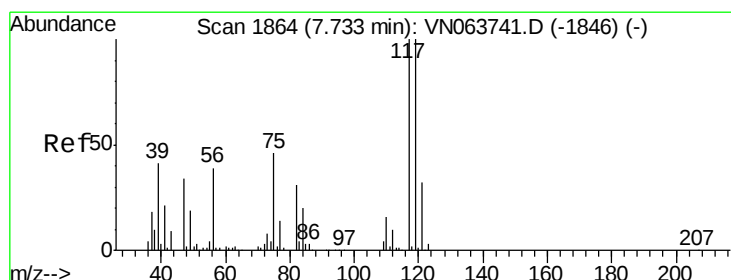
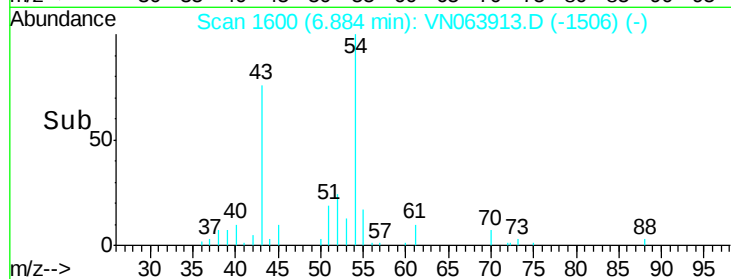
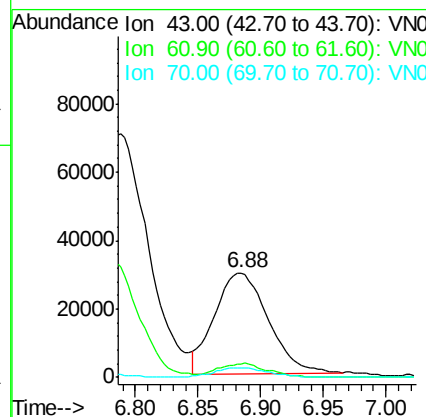
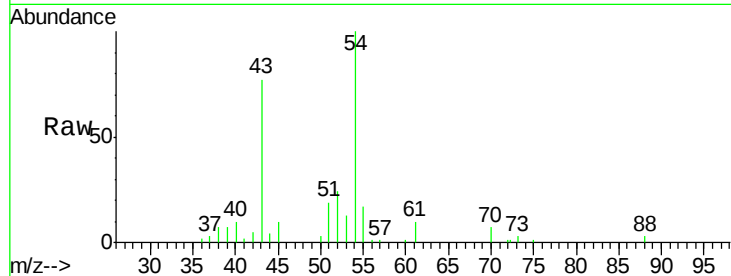
#37
Ethyl Acetate
Concen: 19.738 ug/l
RT: 6.88 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VN063913.D
Acq: 7 Oct 2020 00:17

Instrument :
MSVOA_N
ClientSampleId :
VN1006WBSD04

Tot Ion	43	Ratio	Lower	Upper
43	100			
61	11.7	10.4	15.6	
70	9.5	7.3	10.9	

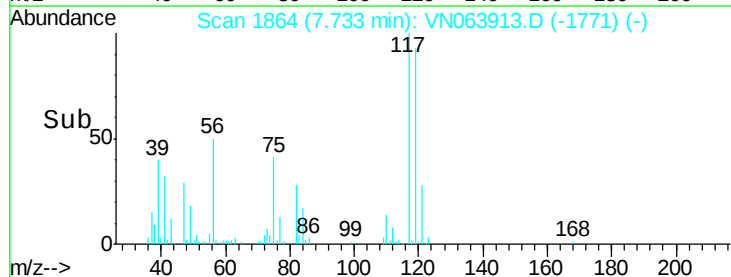
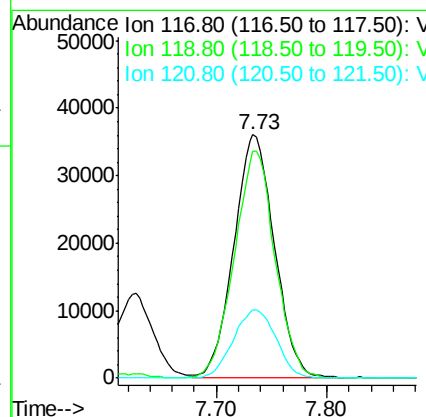
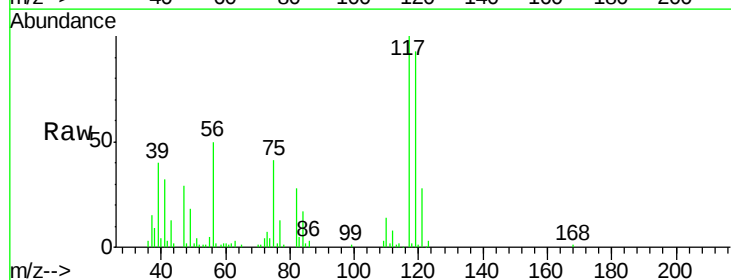
Manual Integrations
APPROVED

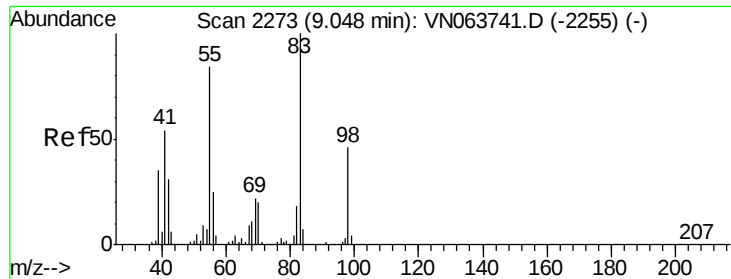
MMDadoda
10/7/2020 12:12:02 PM



#38
Carbon Tetrachloride
Concen: 18.330 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN063913.D
Acq: 7 Oct 2020 00:17

Tgt Ion	117	Ratio	Lower	Upper
117	100			
119	93.2	80.1	120.1	
121	27.9	25.7	38.5	





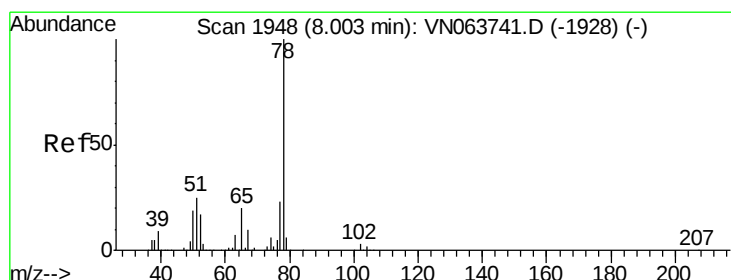
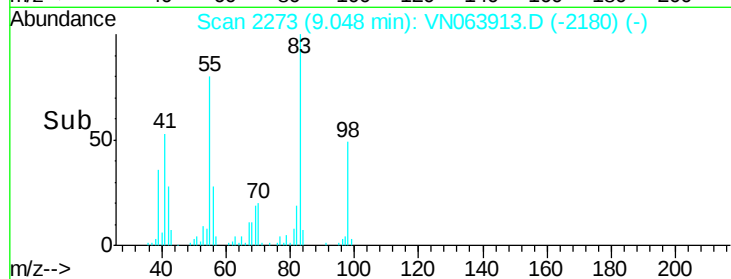
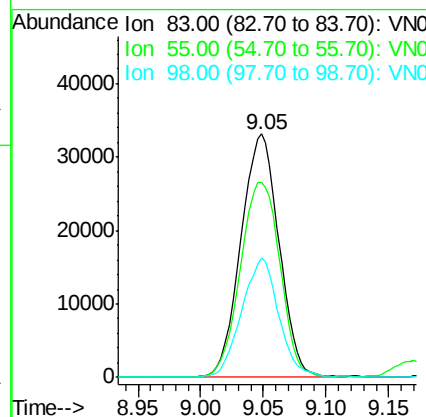
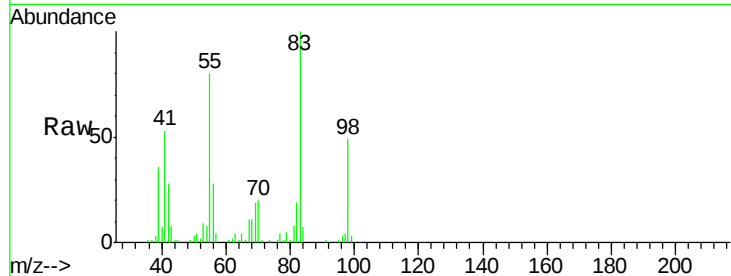
#39
Methylvlcyclohexane
Concen: 15.708 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN063913.D
Acq: 7 Oct 2020 00:17

Instrument :
MSVOA_N
ClientSampleId :
VN1006WBSD04

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.9	67.1	100.7
98	48.9	36.6	54.8

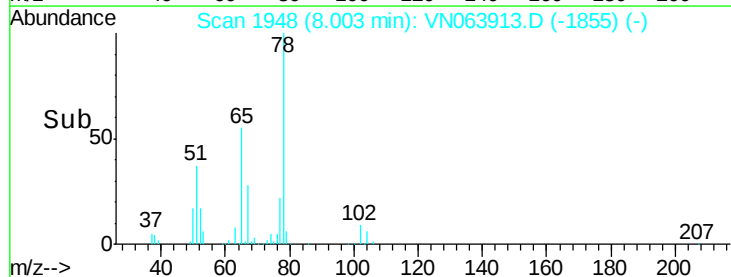
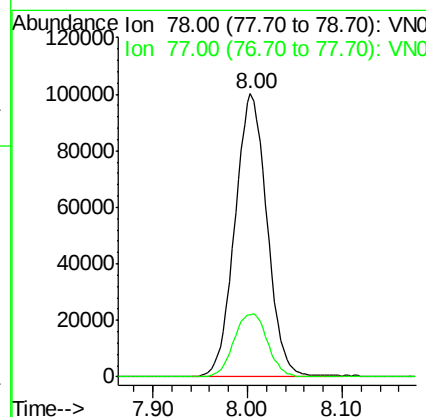
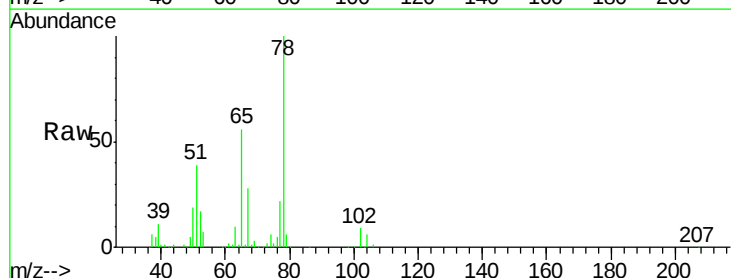
Manual Integrations
APPROVED

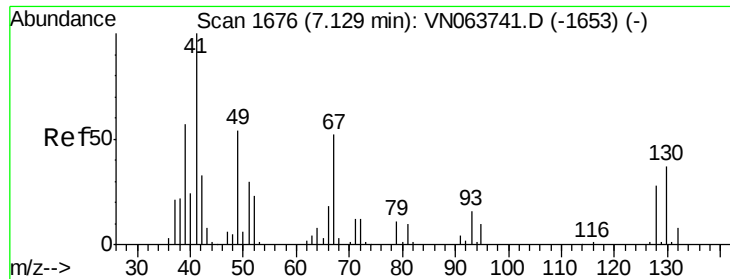
MMDadoda
10/7/2020 12:12:02 PM



#40
Benzene
Concen: 18.480 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN063913.D
Acq: 7 Oct 2020 00:17

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.1	18.7	28.1





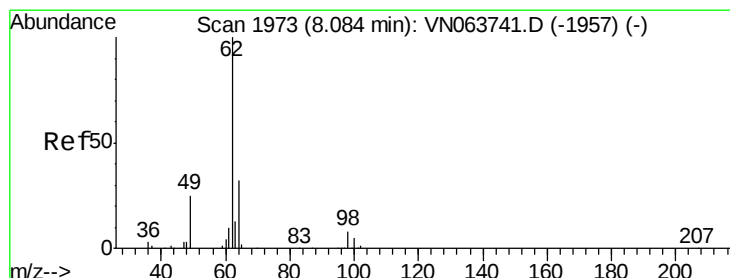
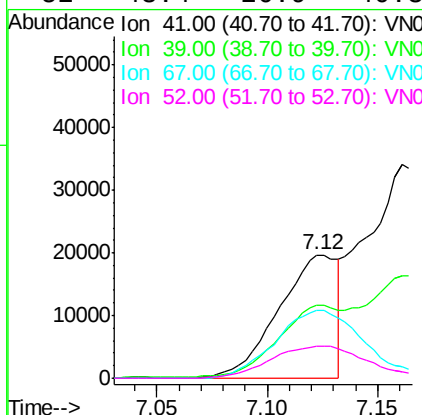
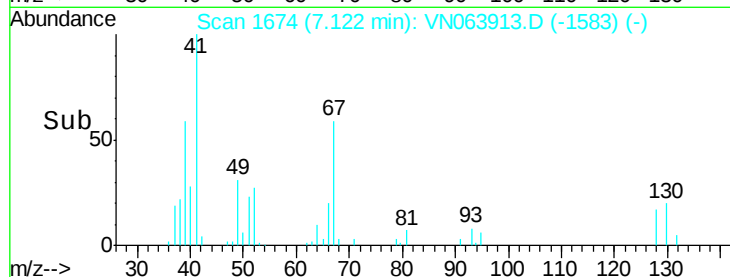
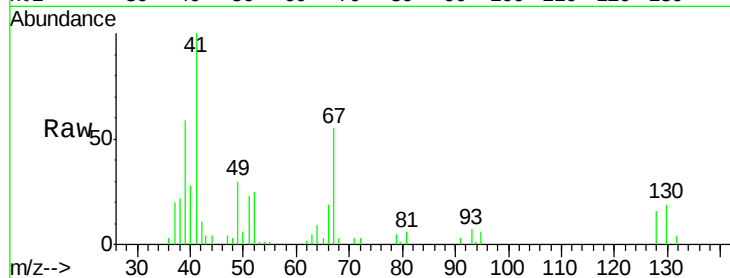
#41
Methacrylonitrile
Concen: 18.527 ug/l
RT: 7.12 min Scan# 1674
Delta R.T. -0.01 min
Lab File: VN063913.D
Acq: 7 Oct 2020 00:17

Instrument :
MSVOA_N
ClientSampleId :
VN1006WBSD04

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	57.3	42.5	63.7	
67	83.2	57.4	86.2	
52	43.4	26.9	40.3	

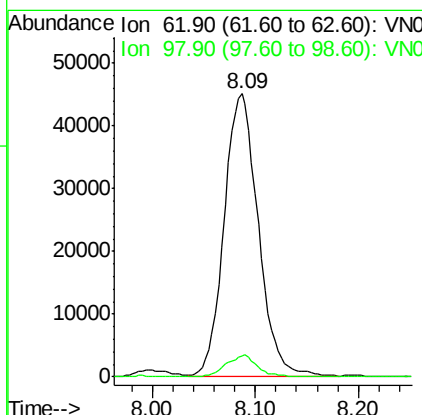
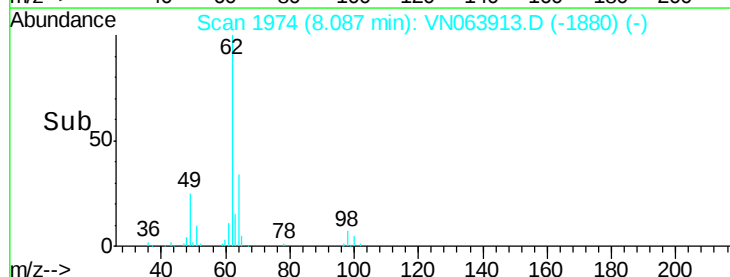
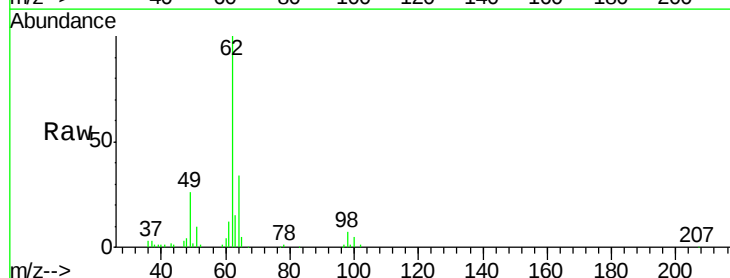
Manual Integrations
APPROVED

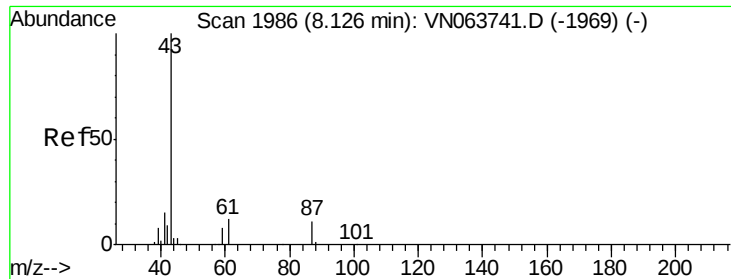
MMDadoda
10/7/2020 12:12:02 PM



#42
1,2-Dichloroethane
Concen: 19.154 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.00 min
Lab File: VN063913.D
Acq: 7 Oct 2020 00:17

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	7.0	0.0	15.0	





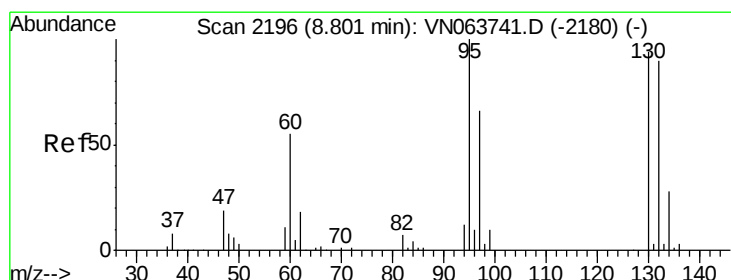
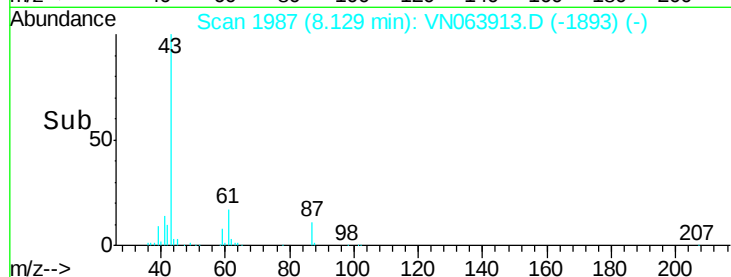
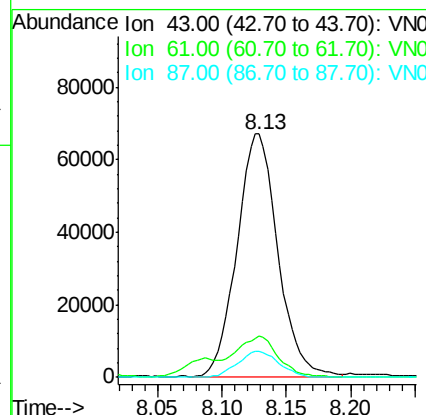
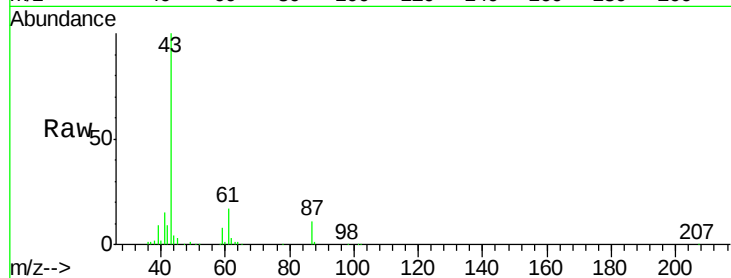
#43
Isopropyl Acetate
Concen: 20.027 ug/l
RT: 8.13 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VN063913.D
Acq: 7 Oct 2020 00:17

Instrument :
MSVOA_N
ClientSampleId :
VN1006WBSD04

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.6	14.2	21.4
87	11.0	9.0	13.6

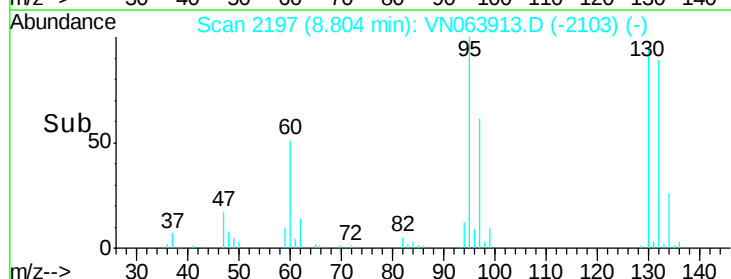
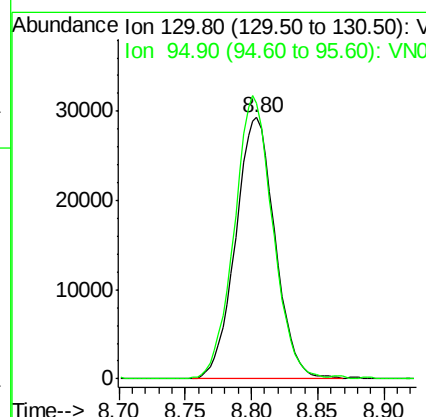
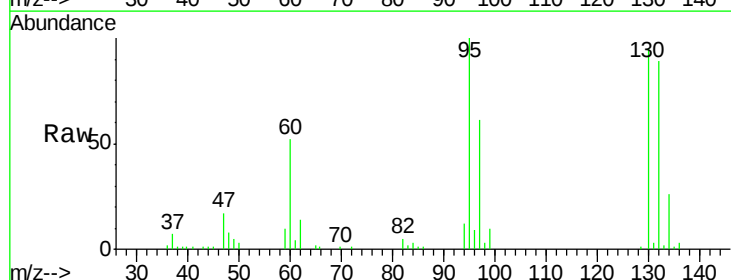
Manual Integrations
APPROVED

MMDadoda
10/7/2020 12:12:02 PM



#44
Trichloroethene
Concen: 18.025 ug/l
RT: 8.80 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VN063913.D
Acq: 7 Oct 2020 00:17

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.8	0.0	213.6





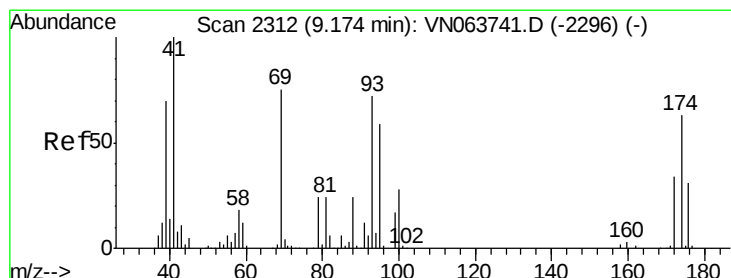
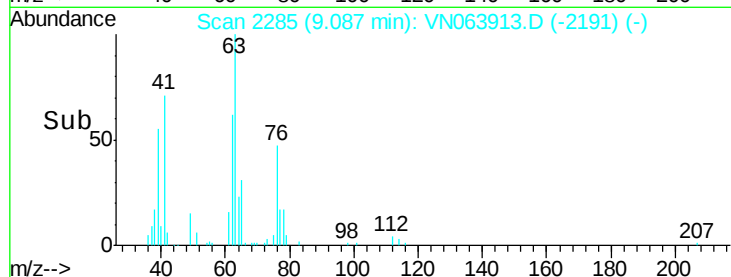
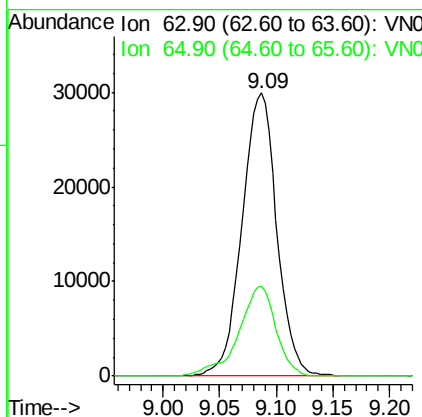
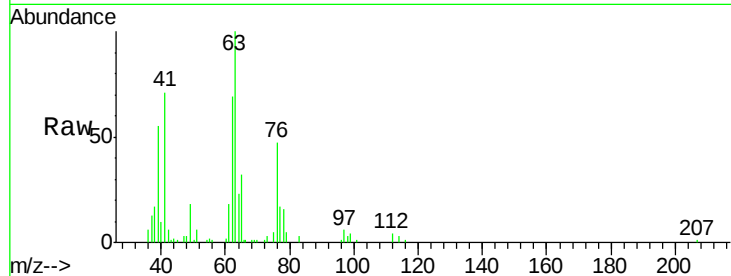
#45
 1,2-Dichloropropane
 Concen: 18.541 ug/l
 RT: 9.09 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN063913.D
 Acq: 7 Oct 2020 00:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1006WBSD04

Tot Ion: 63 Resp: 64028
 Ion Ratio Lower Upper
 63 100
 65 31.7 24.7 37.1

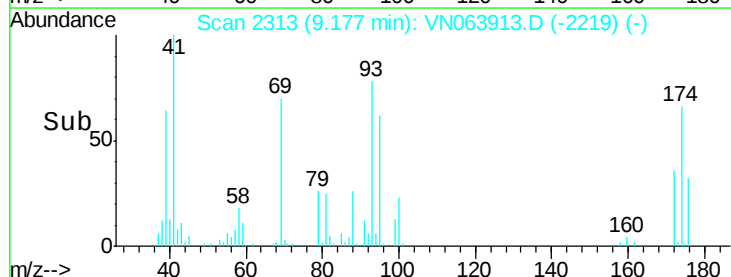
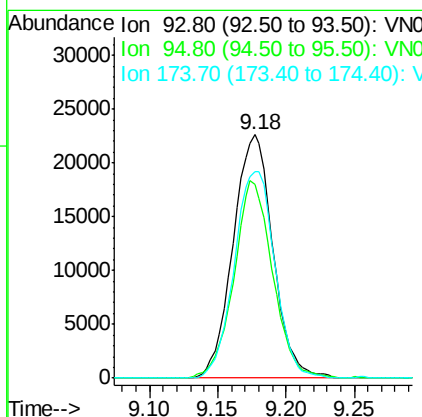
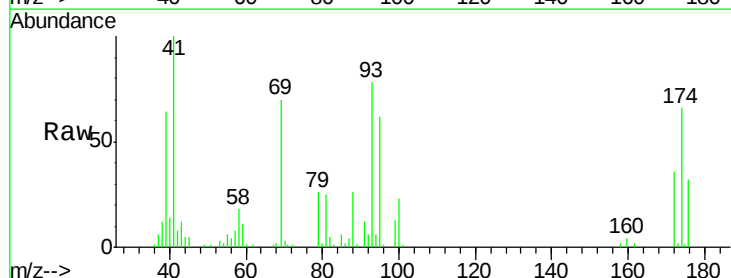
Manual Integrations
 APPROVED

MMDadoda
 10/7/2020 12:12:02 PM



#46
 Dibromomethane
 Concen: 19.256 ug/l
 RT: 9.18 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN063913.D
 Acq: 7 Oct 2020 00:17

Tgt Ion: 93 Resp: 45874
 Ion Ratio Lower Upper
 93 100
 95 78.8 66.3 99.5
 174 86.6 72.7 109.1





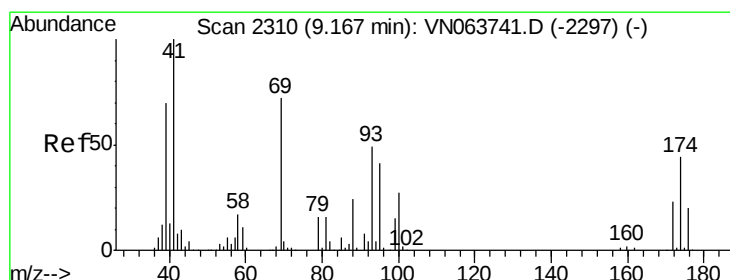
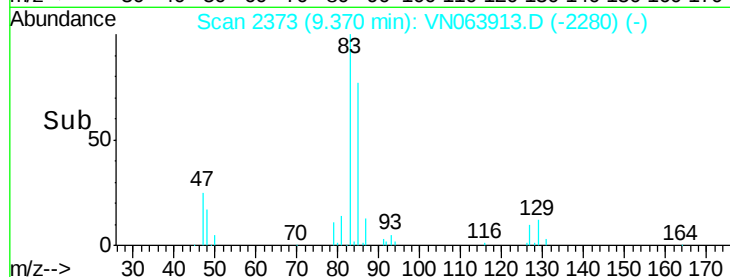
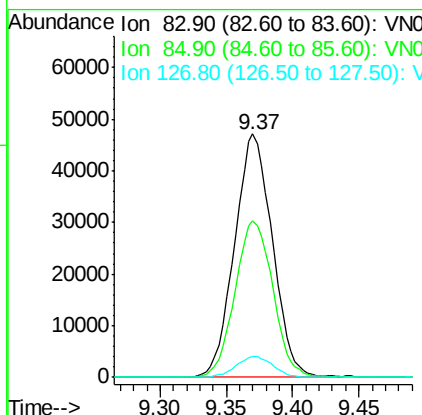
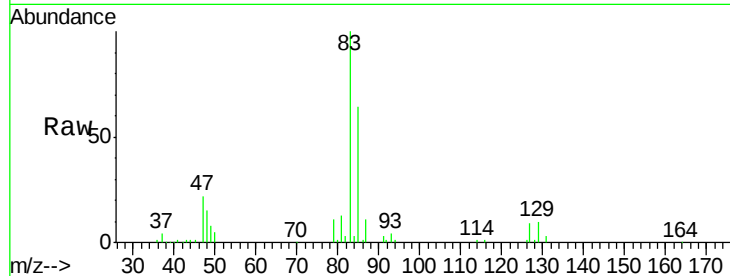
#47
Bromodichloromethane
Concen: 19.050 ug/l
RT: 9.37 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN063913.D
Acq: 7 Oct 2020 00:17

Instrument :
MSVOA_N
ClientSampleId :
VN1006WBSD04

Tot Ion	83	Resp	93532
Ion Ratio	100	Lower	Upper
83	100		
85	64.2	50.6	75.8
127	8.6	6.6	9.8

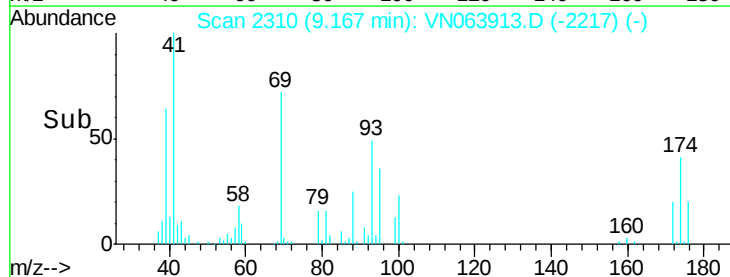
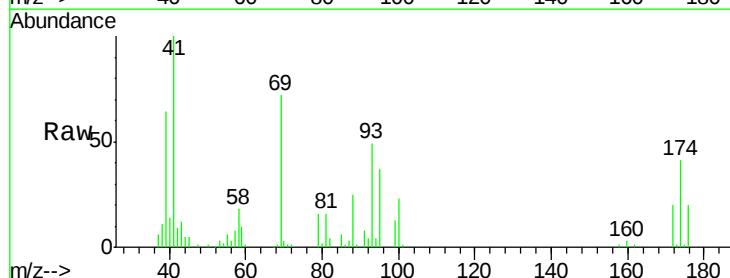
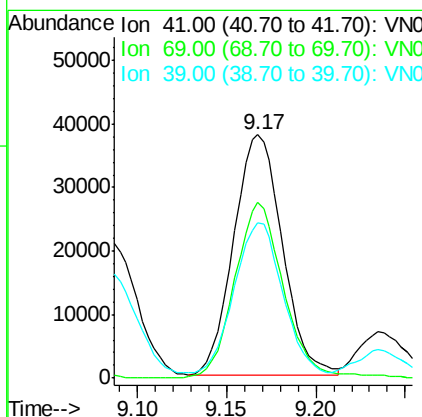
Manual Integrations
APPROVED

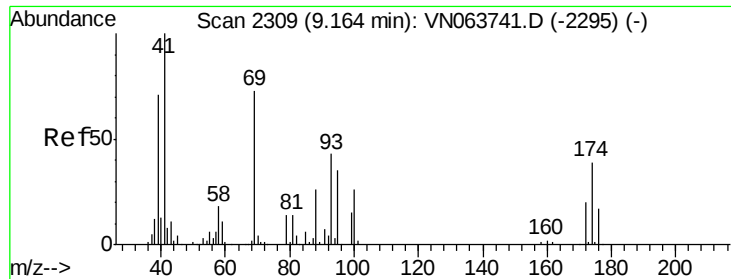
MMDadoda
10/7/2020 12:12:02 PM



#48
Methyl methacrylate
Concen: 19.996 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN063913.D
Acq: 7 Oct 2020 00:17

Tgt Ion	41	Resp	72478
Ion Ratio	100	Lower	Upper
41	100		
69	73.2	60.9	91.3
39	65.3	57.5	86.3





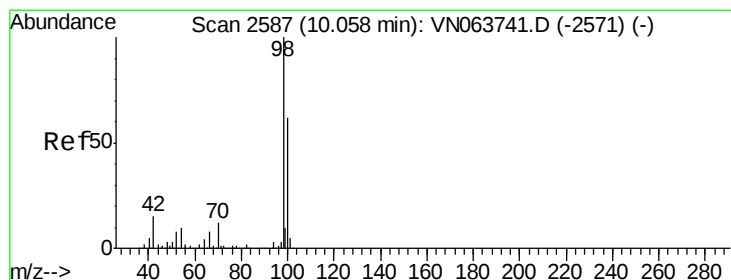
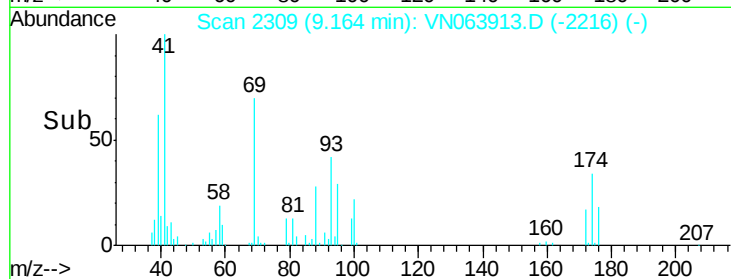
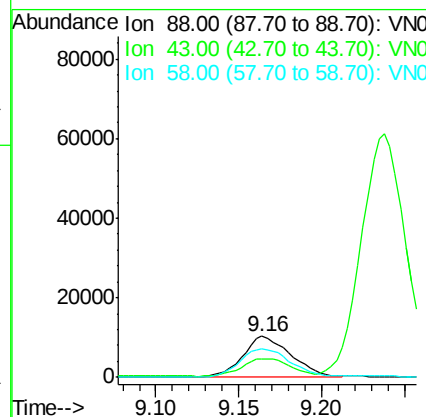
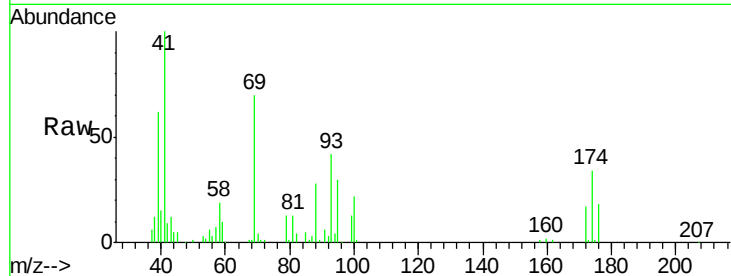
#49
1,4-Dioxane
Concen: 404.513 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN063913.D
Acq: 7 Oct 2020 00:17

Instrument :
MSVOA_N
ClientSampleId :
VN1006WBSD04

Tot Ion	Ratio	Lower	Upper
88	100		
43	44.3	33.1	49.7
58	73.8	58.9	88.3

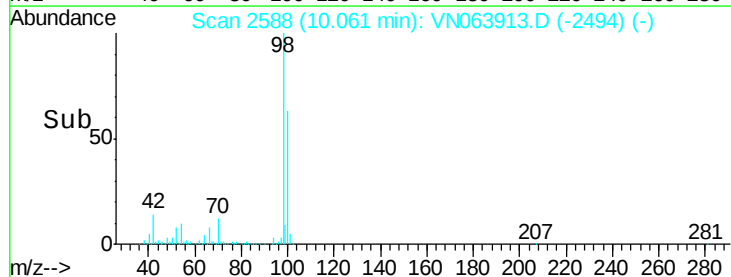
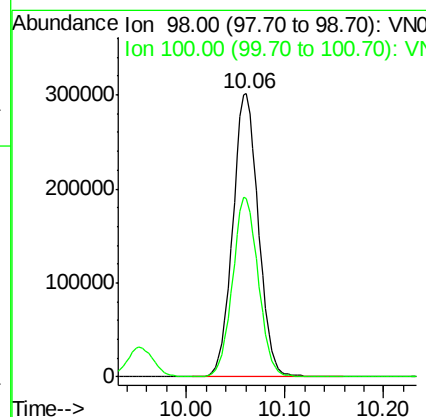
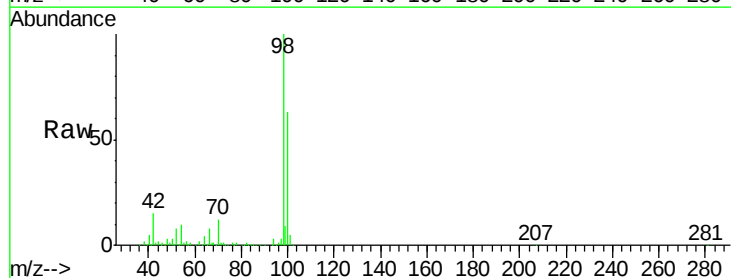
Manual Integrations
APPROVED

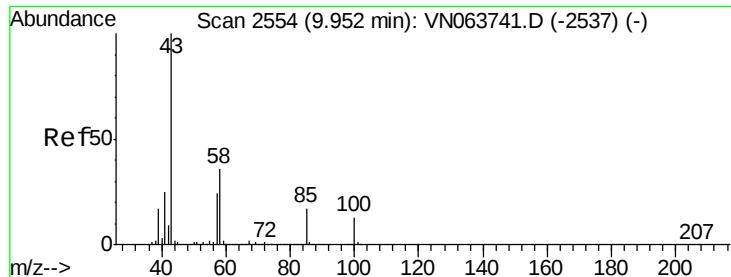
MMDadoda
10/7/2020 12:12:02 PM



#50
Toluene-d8
Concen: 47.203 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN063913.D
Acq: 7 Oct 2020 00:17

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.2	49.8	74.6





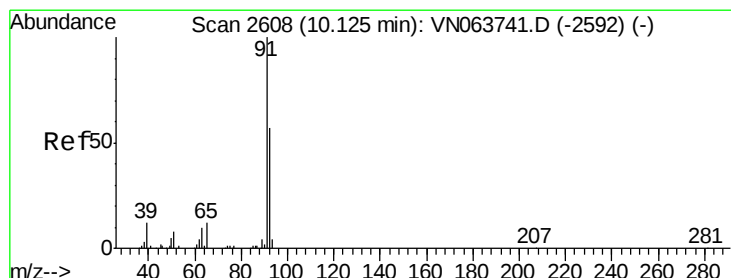
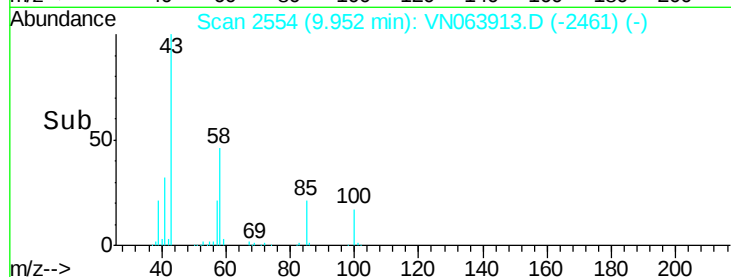
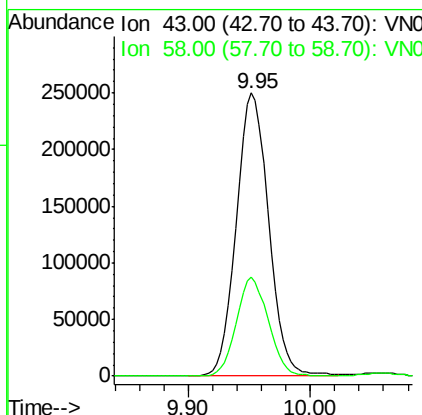
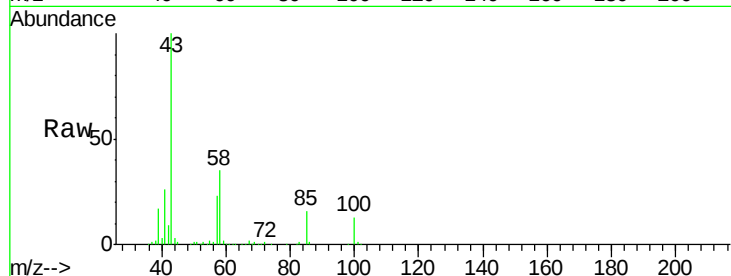
#51
4-Methyl-2-Pentanone
Concen: 106.254 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN063913.D
Acq: 7 Oct 2020 00:17

Instrument :
MSVOA_N
ClientSampleId :
VN1006WBSD04

Tot Ion: 43 Resp: 457454
Ion Ratio Lower Upper
43 100
58 34.7 28.4 42.6

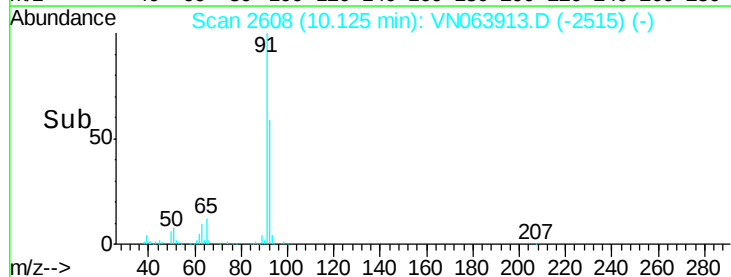
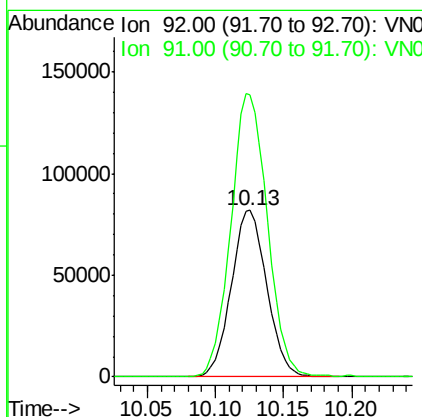
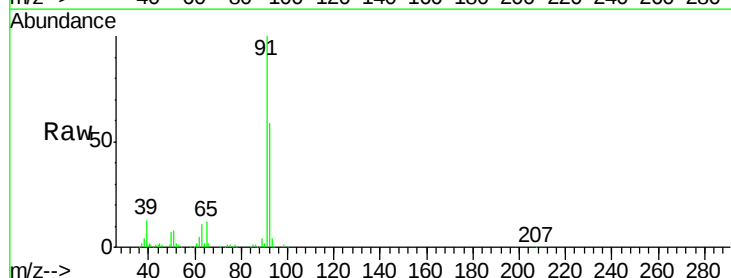
Manual Integrations
APPROVED

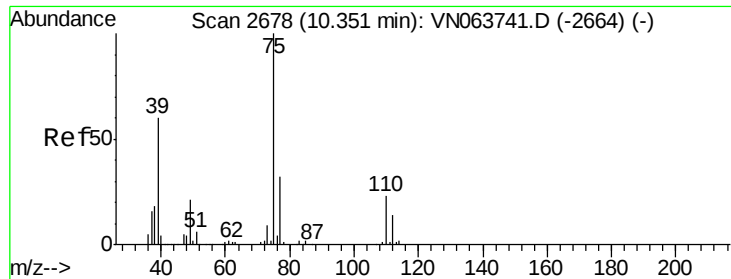
MMDadoda
10/7/2020 12:12:02 PM



#52
Toluene
Concen: 18.733 ug/l
RT: 10.13 min Scan# 2608
Delta R.T. 0.00 min
Lab File: VN063913.D
Acq: 7 Oct 2020 00:17

Tgt Ion: 92 Resp: 148162
Ion Ratio Lower Upper
92 100
91 174.4 140.6 210.8





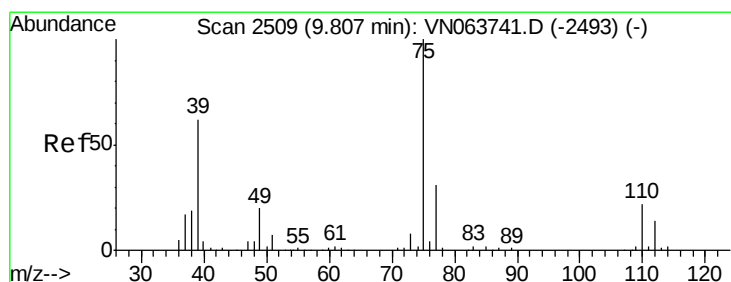
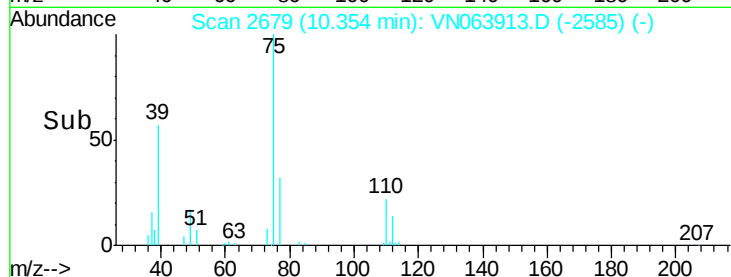
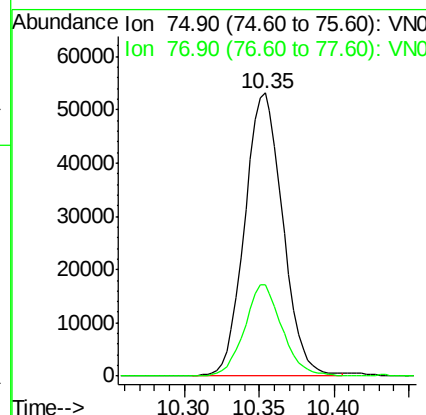
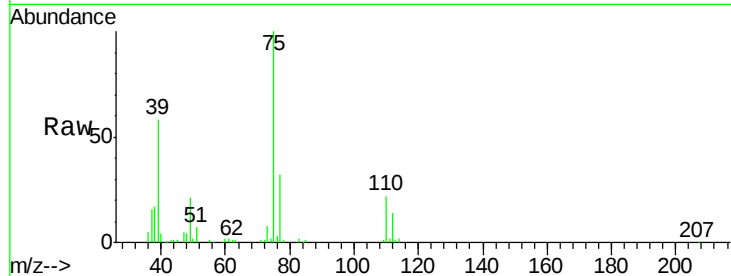
#53
t-1,3-Dichloropropene
Concen: 17.930 ug/l
RT: 10.35 min Scan# 2679
Delta R.T. 0.00 min
Lab File: VN063913.D
Acq: 7 Oct 2020 00:17

Instrument :
MSVOA_N
ClientSampleId :
VN1006WBSD04

Tot Ion: 75 Resp: 94364
Ion Ratio Lower Upper
75 100
77 32.4 25.3 37.9

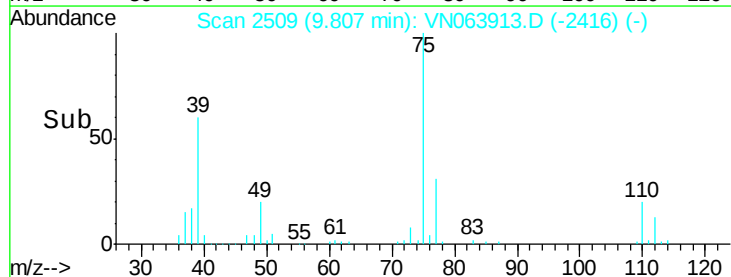
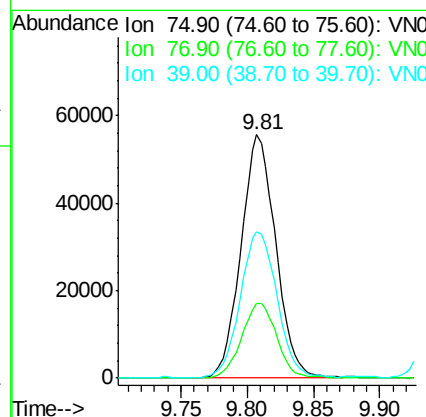
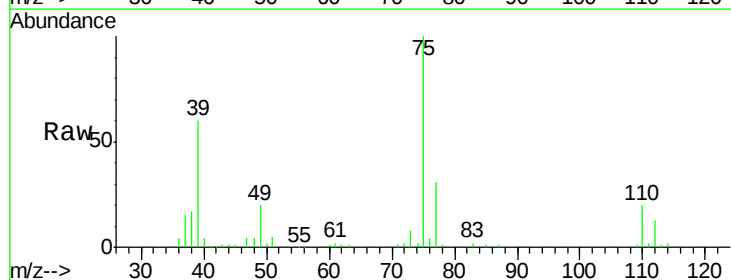
Manual Integrations
APPROVED

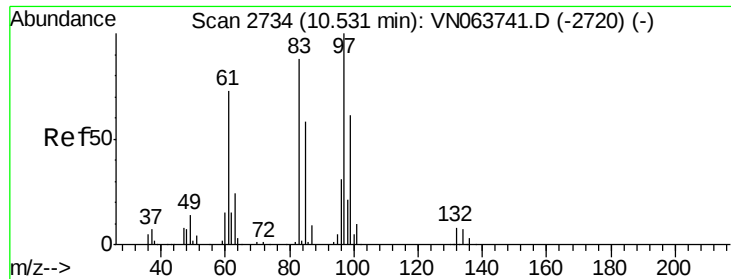
MMDadoda
10/7/2020 12:12:02 PM



#54
cis-1,3-Dichloropropene
Concen: 18.466 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN063913.D
Acq: 7 Oct 2020 00:17

Tgt Ion: 75 Resp: 101638
Ion Ratio Lower Upper
75 100
77 30.6 24.6 36.8
39 60.0 49.7 74.5





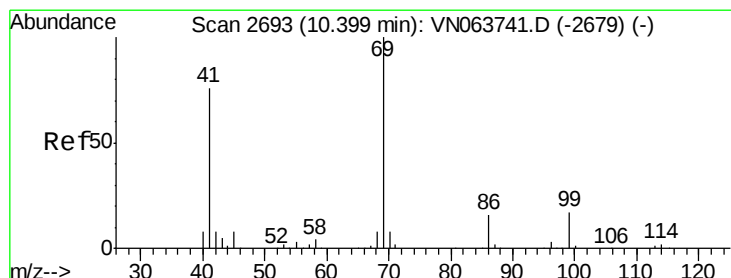
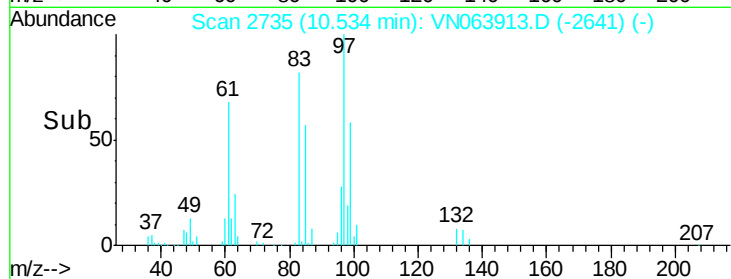
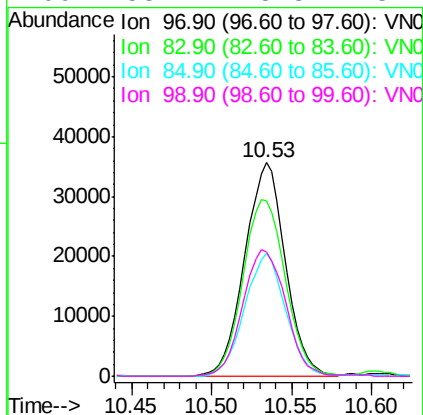
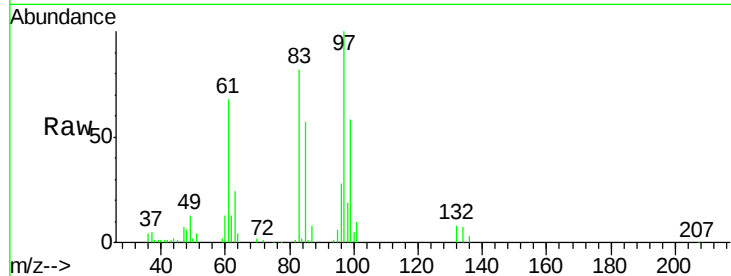
#55
 1,1,2-Trichloroethane
 Concen: 19.490 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN063913.D
 Acq: 7 Oct 2020 00:17

Instrument :
 MSVOA_N
 ClientSampled :
 VN1006WBSD04

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		61818		
83	82.0	70.7	106.1		
85	57.3	46.1	69.1		
99	58.4	48.8	73.2		

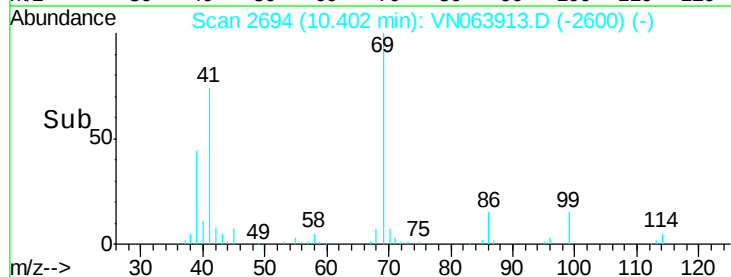
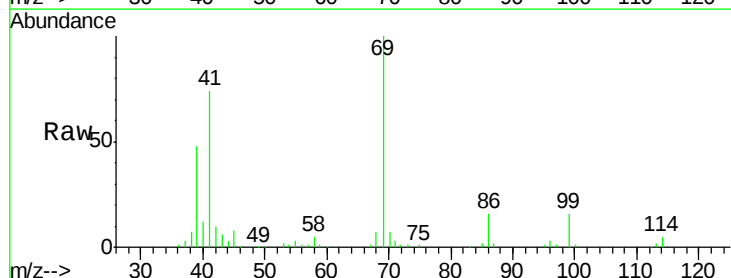
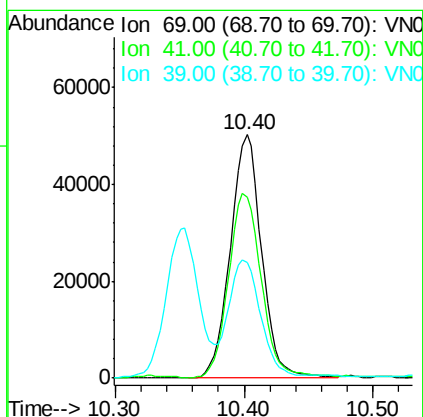
Manual Integrations
 APPROVED

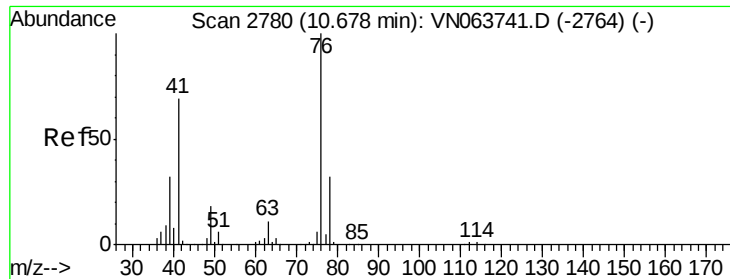
MMDadoda
 10/7/2020 12:12:02 PM



#56
 Ethyl methacrylate
 Concen: 18.888 ug/l
 RT: 10.40 min Scan# 2694
 Delta R.T. 0.00 min
 Lab File: VN063913.D
 Acq: 7 Oct 2020 00:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		84919		
41	78.7	61.1	91.7		
39	49.4	42.2	63.4		





#57

1,3-Dichloropropane

Concen: 19.579 ug/l

RT: 10.68 min Scan# 2780

Delta R.T. 0.00 min

Lab File: VN063913.D

Acq: 7 Oct 2020 00:17

Instrument :

MSVOA_N

ClientSampleId :

VN1006WBSD04

Tot Ion: 76 Resp: 105063

Ion Ratio Lower Upper

76 100

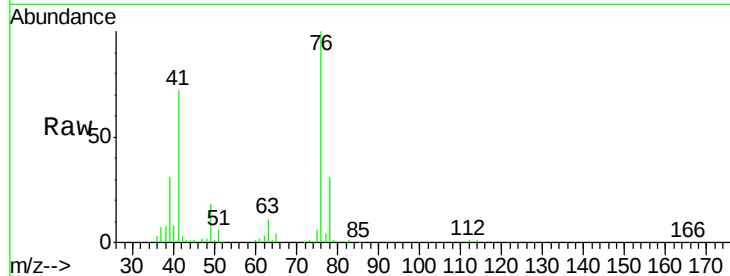
78 31.5 25.2 37.8

Manual Integrations

APPROVED

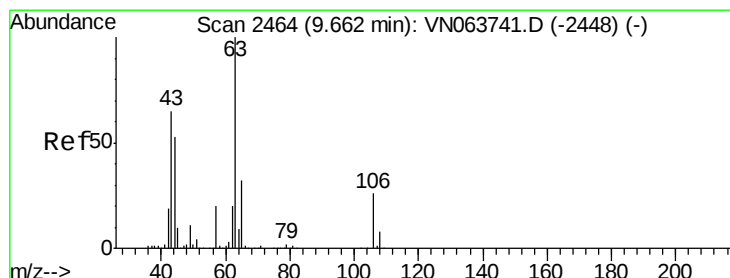
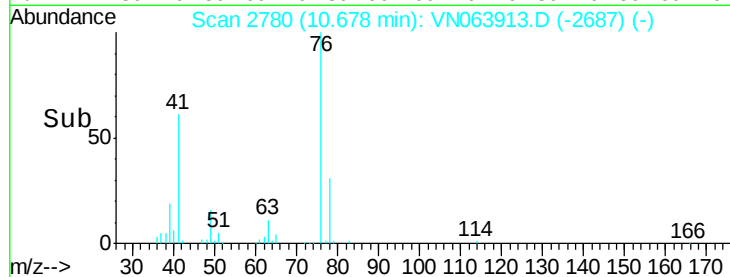
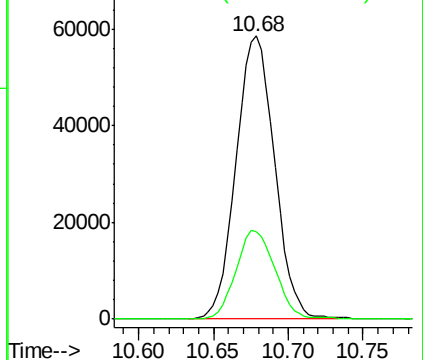
MMDadoda

10/7/2020 12:12:02 PM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 98.146 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN063913.D

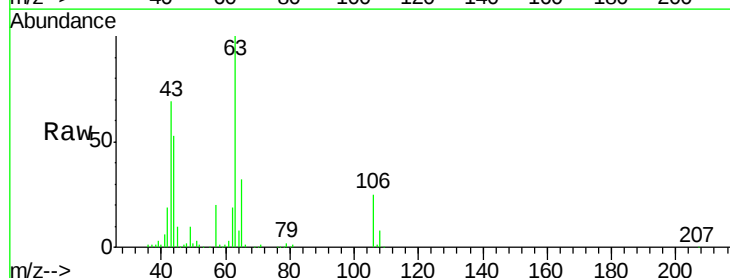
Acq: 7 Oct 2020 00:17

Tgt Ion: 63 Resp: 236032

Ion Ratio Lower Upper

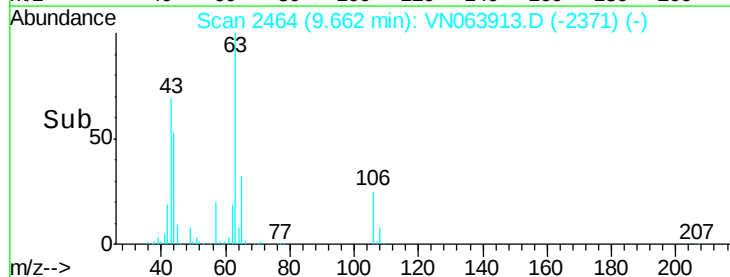
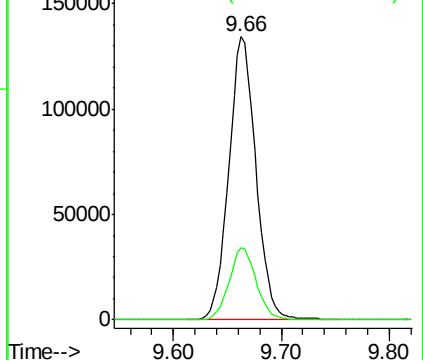
63 100

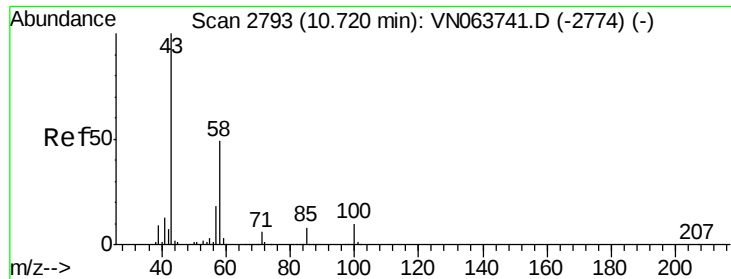
106 25.5 20.7 31.1



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





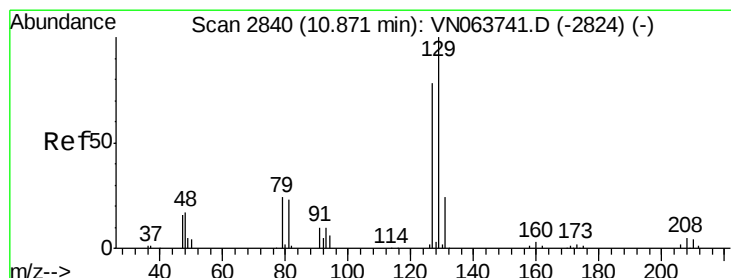
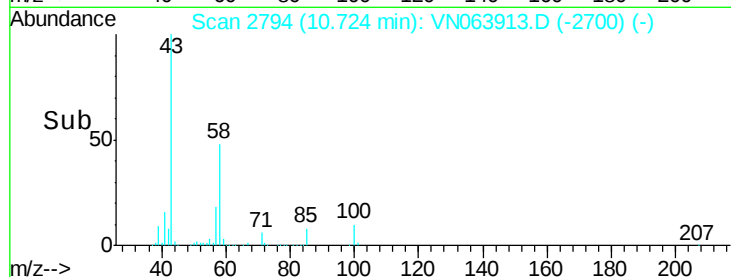
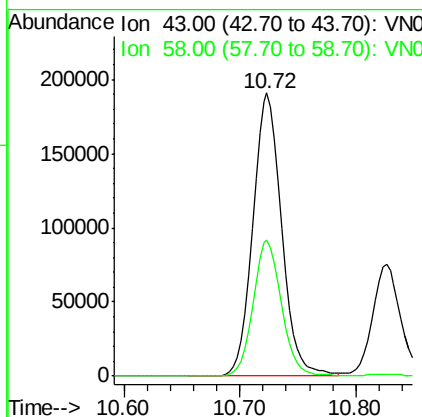
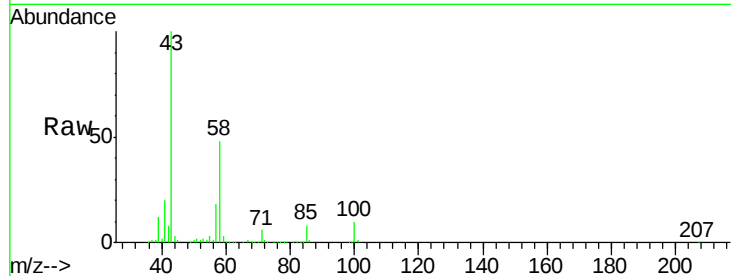
#59
2-Hexanone
Concen: 103.102 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN063913.D
Acq: 7 Oct 2020 00:17

Instrument :
MSVOA_N
ClientSampleId :
VN1006WBSD04

Tot Ion: 43 Resp: 329746
Ion Ratio Lower Upper
43 100
58 47.7 24.6 73.8

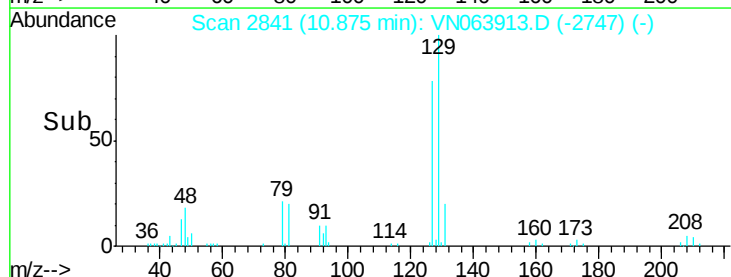
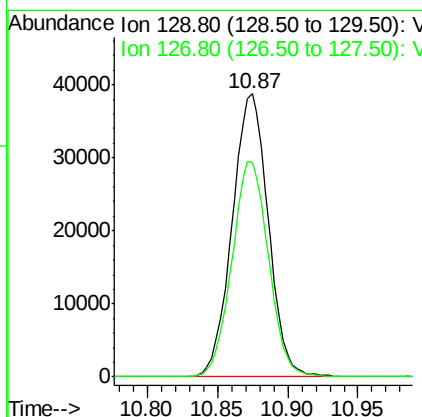
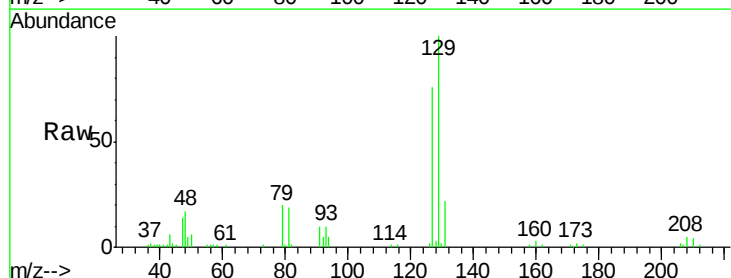
Manual Integrations
APPROVED

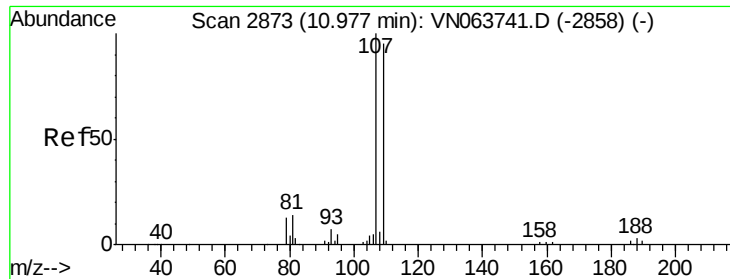
MMDadoda
10/7/2020 12:12:02 PM



#60
Dibromochloromethane
Concen: 18.811 ug/l
RT: 10.87 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN063913.D
Acq: 7 Oct 2020 00:17

Tgt Ion: 129 Resp: 69484
Ion Ratio Lower Upper
129 100
127 77.2 38.9 116.7





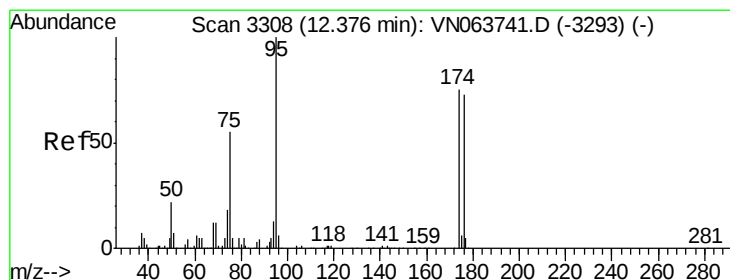
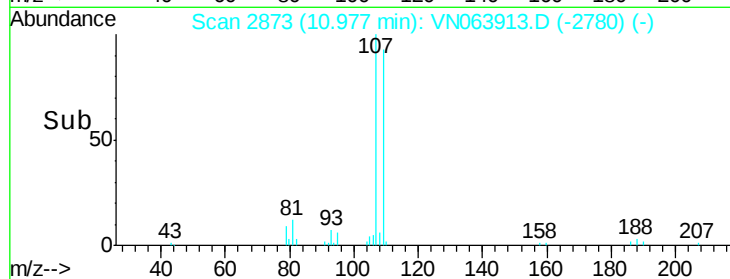
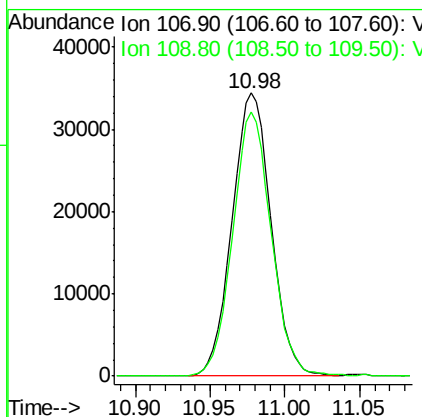
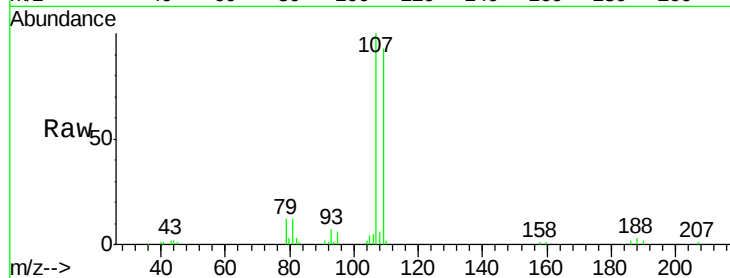
#61
 1,2-Dibromoethane
 Concen: 19.217 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN063913.D
 Acq: 7 Oct 2020 00:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1006WBSD04

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.5	74.8	112.2

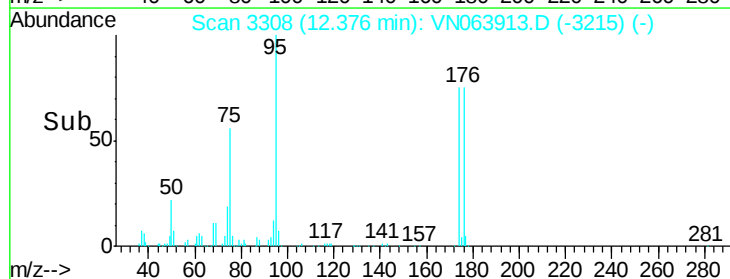
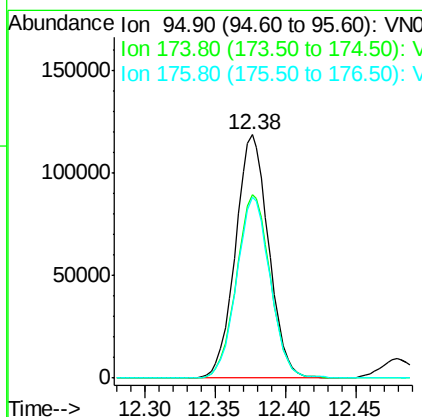
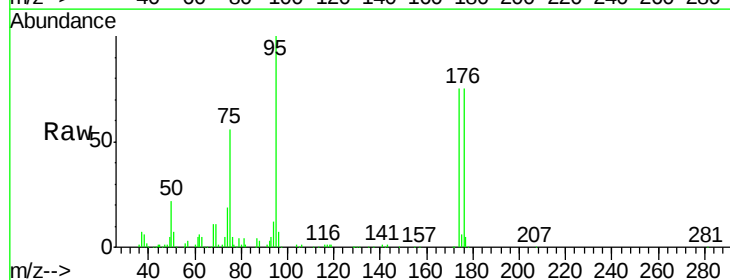
Manual Integrations
 APPROVED

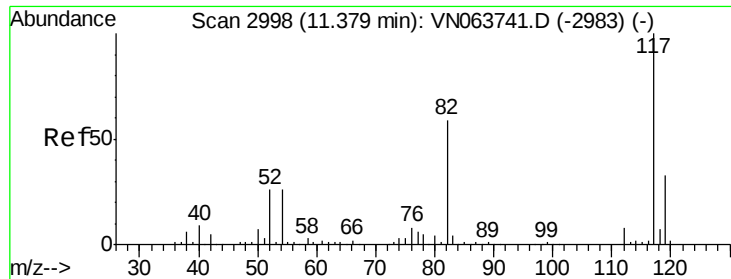
MMDadoda
 10/7/2020 12:12:02 PM



#62
 4-Bromofluorobenzene
 Concen: 44.859 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.00 min
 Lab File: VN063913.D
 Acq: 7 Oct 2020 00:17

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.8	0.0	150.6
176	75.1	0.0	145.4





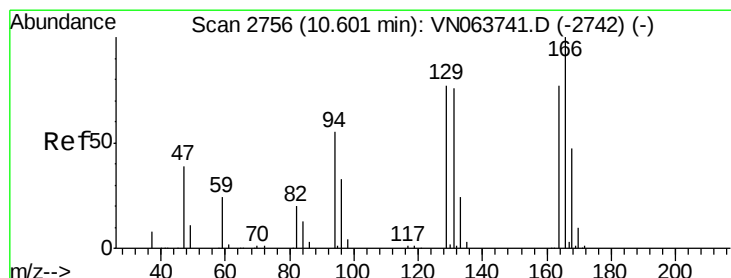
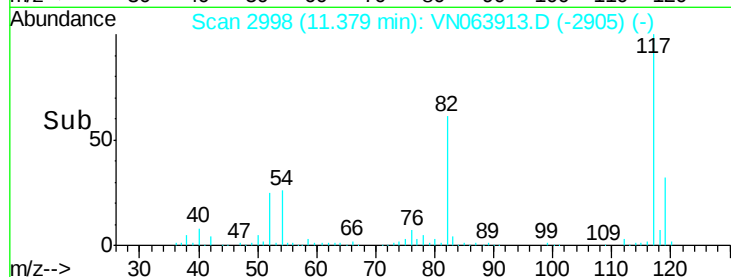
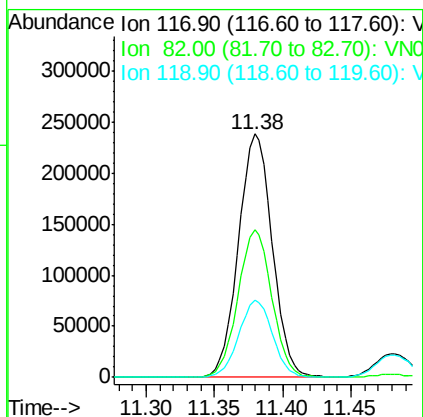
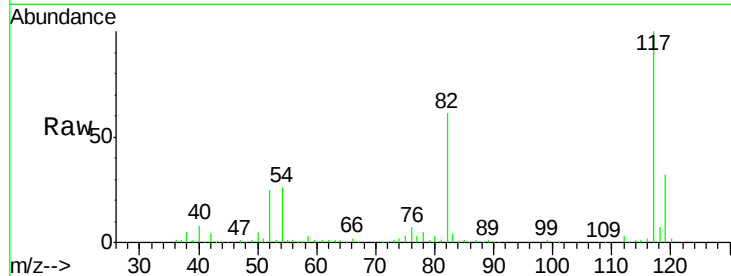
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063913.D
Acq: 7 Oct 2020 00:17

Instrument :
MSVOA_N
ClientSampleId :
VN1006WBSD04

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.6	47.4	71.2
119	31.6	26.4	39.6

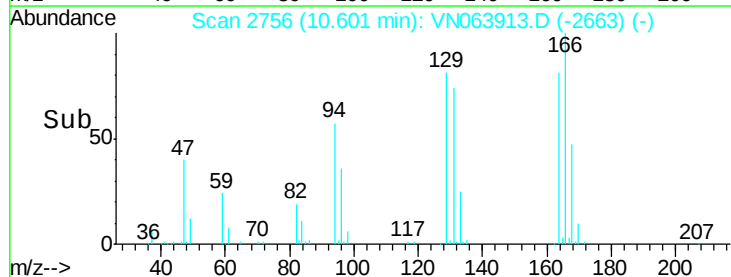
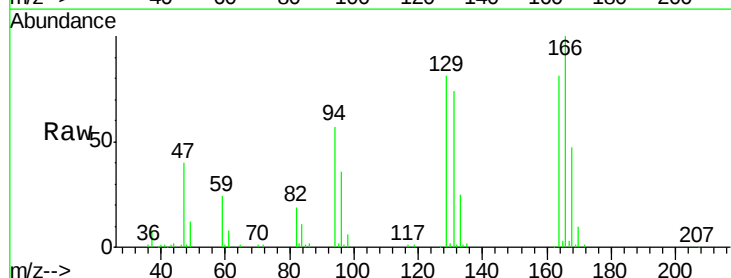
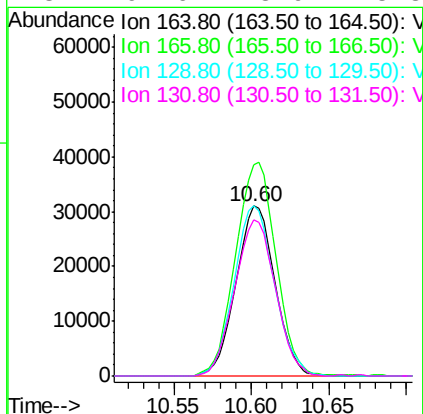
Manual Integrations
APPROVED

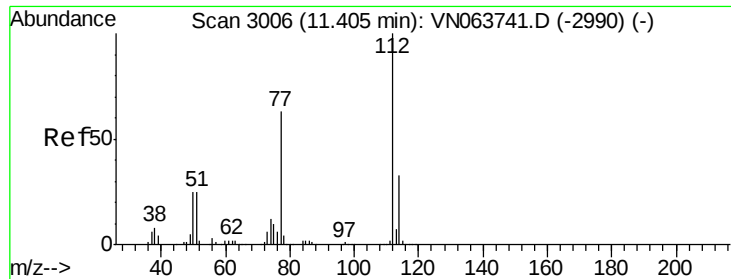
MMDadoda
10/7/2020 12:12:02 PM



#64
Tetrachloroethene
Concen: 17.130 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN063913.D
Acq: 7 Oct 2020 00:17

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.2	103.9	155.9
129	100.6	80.3	120.5
131	91.6	78.9	118.3





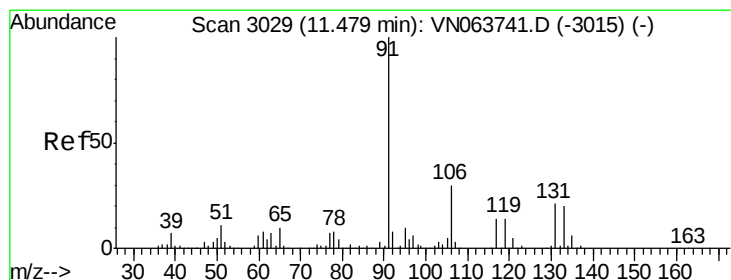
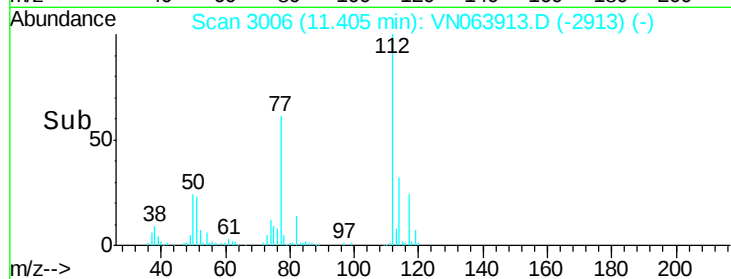
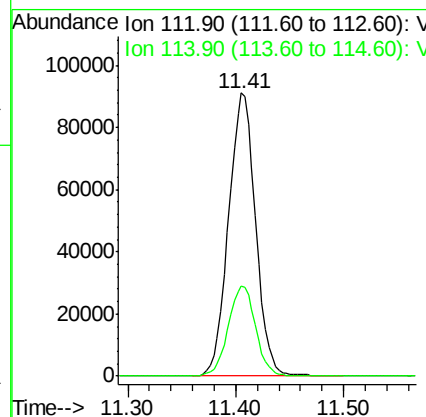
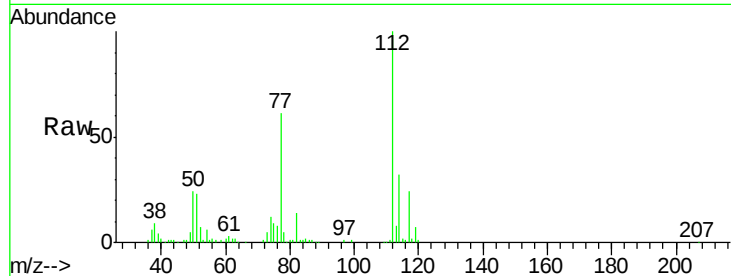
#65
Chlorobenzene
Concen: 18.825 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN063913.D
Acq: 7 Oct 2020 00:17

Instrument :
MSVOA_N
ClientSampleId :
VN1006WBSD04

Tot Ion:112 Resp: 159105
Ion Ratio Lower Upper
112 100
114 31.8 26.1 39.1

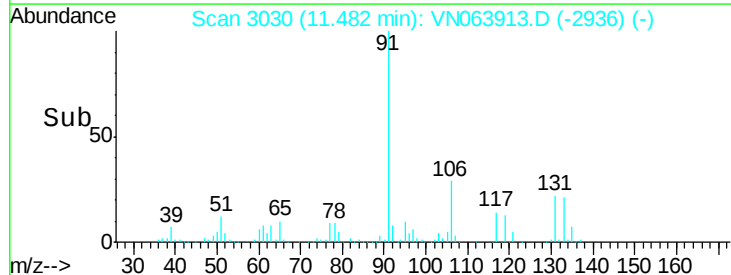
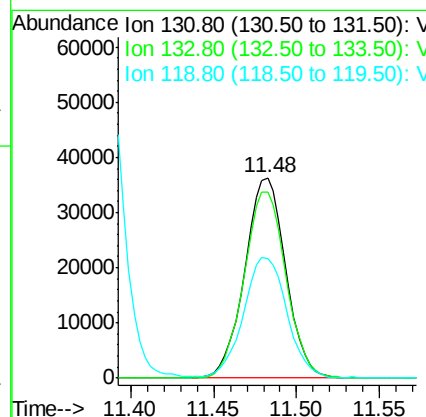
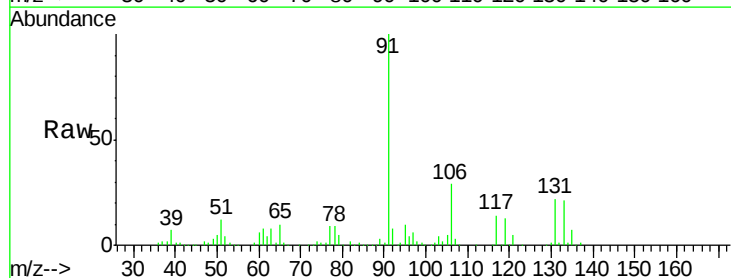
Manual Integrations
APPROVED

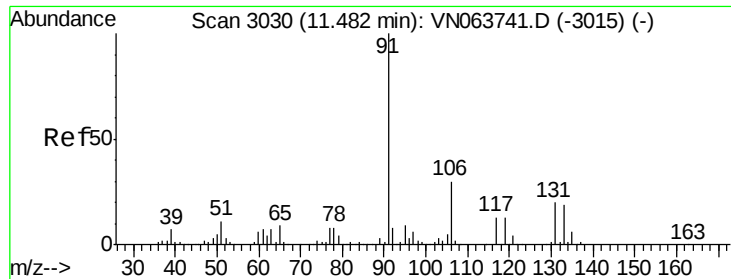
MMDadoda
10/7/2020 12:12:02 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.216 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN063913.D
Acq: 7 Oct 2020 00:17

Tgt Ion:131 Resp: 62261
Ion Ratio Lower Upper
131 100
133 95.3 47.3 141.8
119 64.2 32.6 97.7





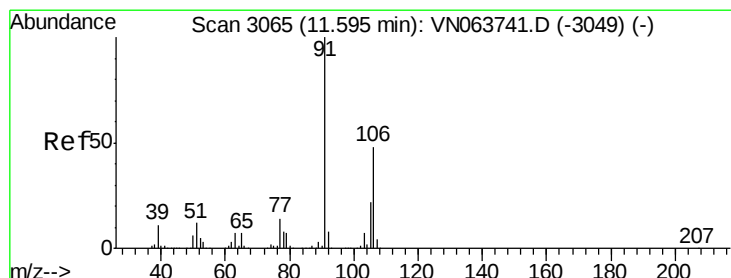
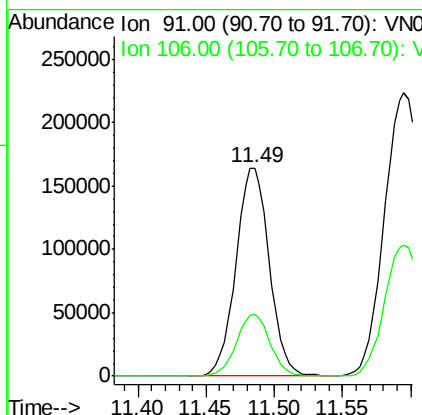
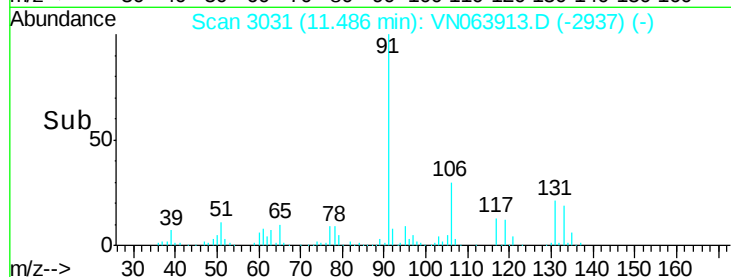
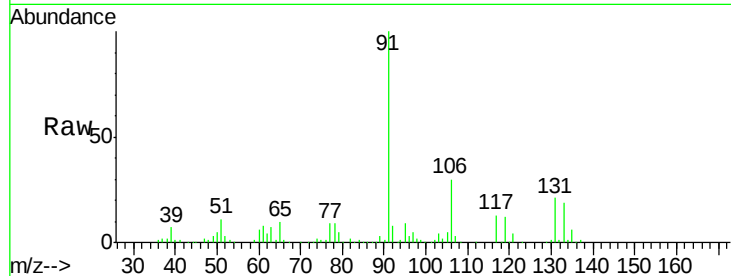
#67
Ethyl Benzene
Concen: 18.127 ug/l
RT: 11.49 min Scan# 3031
Delta R.T. 0.00 min
Lab File: VN063913.D
Acq: 7 Oct 2020 00:17

Instrument :
MSVOA_N
ClientSampled :
VN1006WBSD04

Tot Ion: 91 Resp: 278770
Ion Ratio Lower Upper
91 100
106 29.9 24.2 36.2

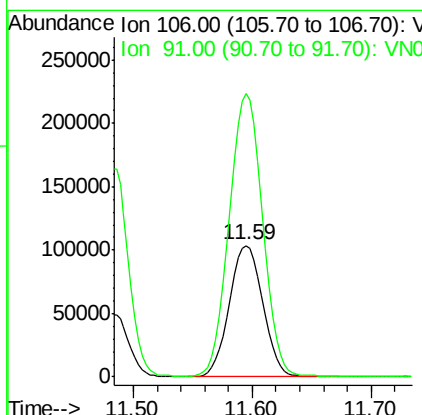
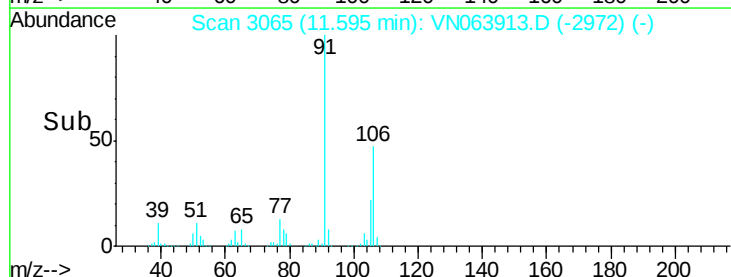
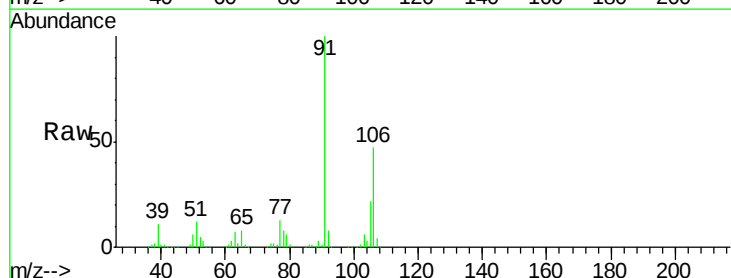
Manual Integrations
APPROVED

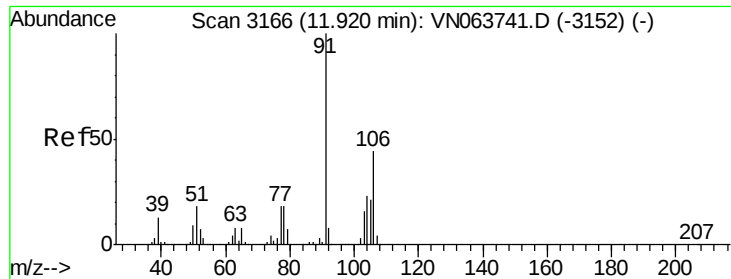
MMDadoda
10/7/2020 12:12:02 PM



#68
m/p-Xylenes
Concen: 35.528 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN063913.D
Acq: 7 Oct 2020 00:17

Tgt Ion: 106 Resp: 203634
Ion Ratio Lower Upper
106 100
91 213.5 168.0 252.0





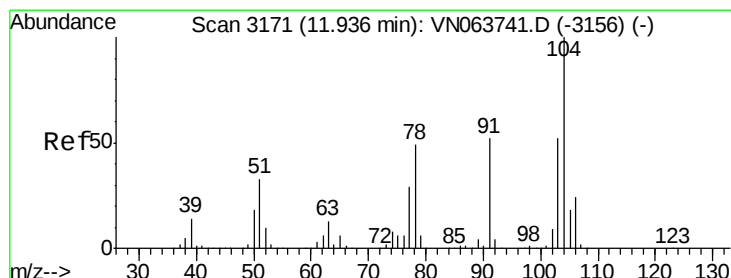
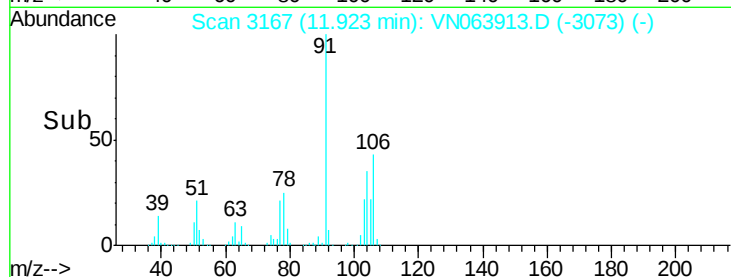
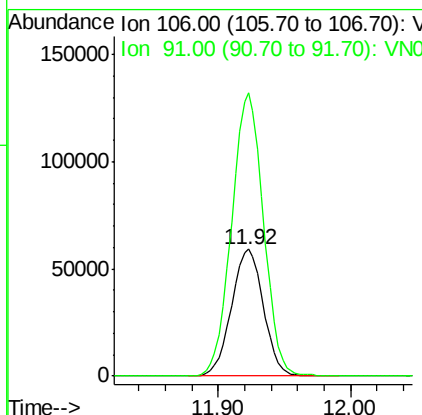
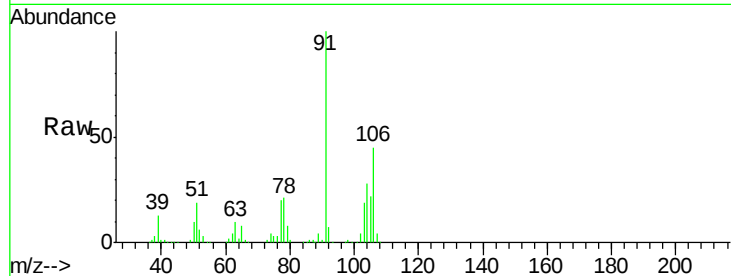
#69
o-Xylene
Concen: 18.462 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN063913.D
Acq: 7 Oct 2020 00:17

Instrument :
MSVOA_N
ClientSampleId :
VN1006WBSD04

Tot Ion:106 Resp: 98908
Ion Ratio Lower Upper
106 100
91 222.4 112.7 338.0

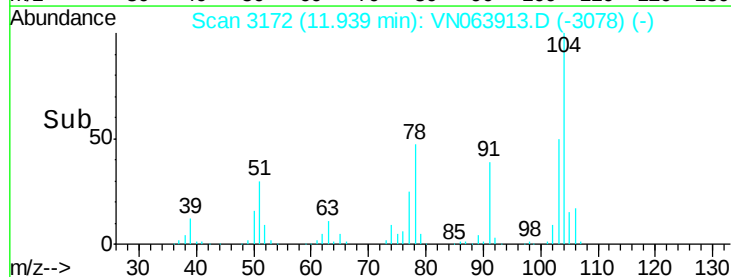
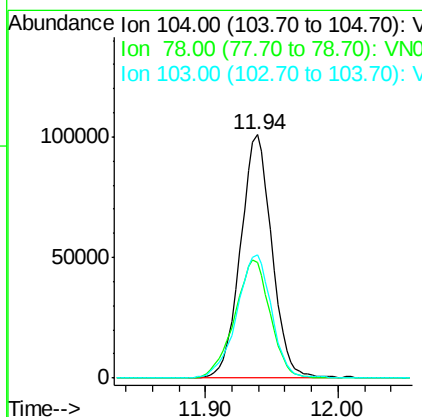
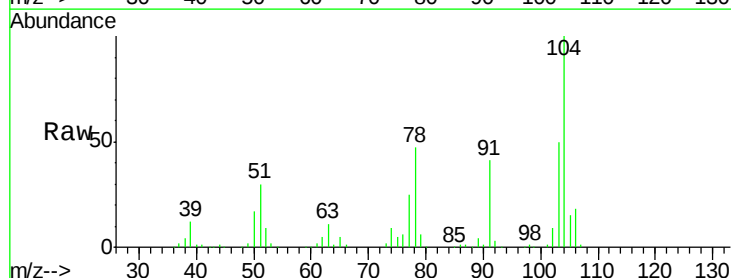
Manual Integrations
APPROVED

MMDadoda
10/7/2020 12:12:02 PM



#70
Styrene
Concen: 18.258 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. 0.00 min
Lab File: VN063913.D
Acq: 7 Oct 2020 00:17

Tgt Ion:104 Resp: 166037
Ion Ratio Lower Upper
104 100
78 54.9 44.1 66.1
103 56.4 44.3 66.5





#71

Bromoform

Concen: 18.693 ug/l

RT: 12.10 min Scan# 3223

Delta R.T. 0.00 min

Lab File: VN063913.D

Acq: 7 Oct 2020 00:17

Instrument :

MSVOA_N

ClientSampleId :

VN1006WBSD04

Tot Ion:173 Resp: 46324

Ion Ratio Lower Upper

173 100

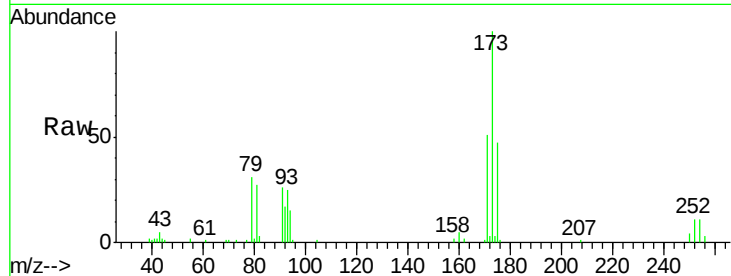
175 48.1 23.5 70.5

254 0.0 0.0 0.0

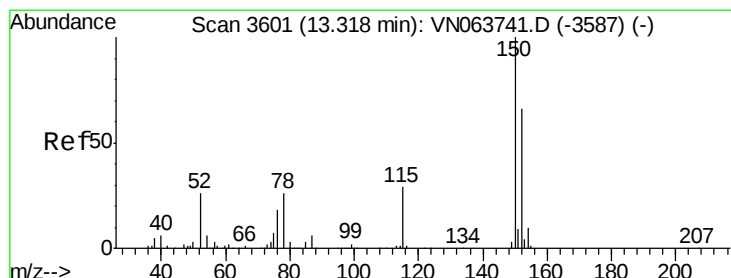
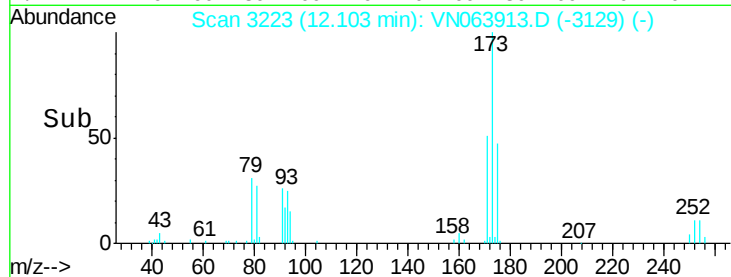
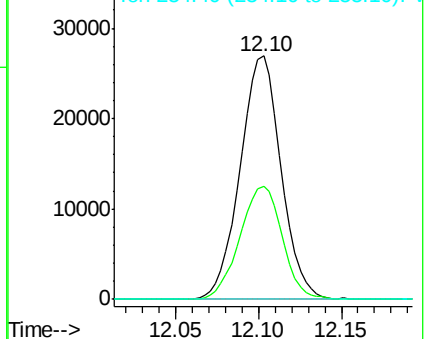
Manual Integrations
APPROVED

MMDadoda

10/7/2020 12:12:02 PM



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: VN063913.D

Acq: 7 Oct 2020 00:17

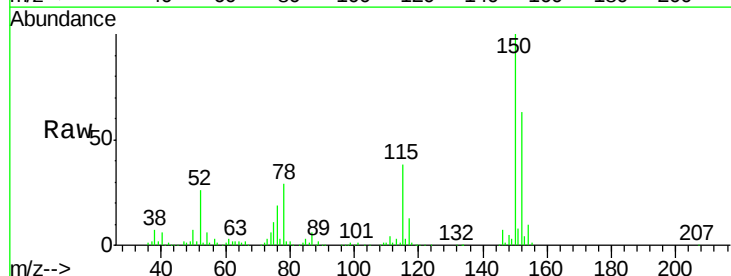
Tgt Ion:152 Resp: 187426

Ion Ratio Lower Upper

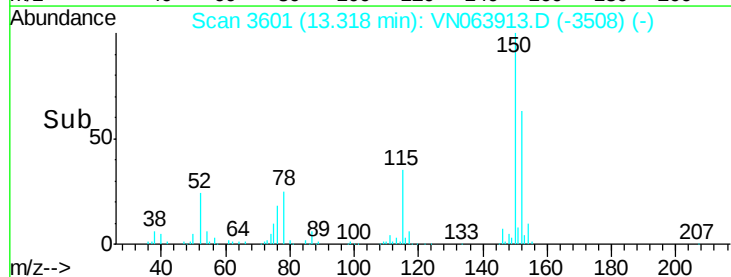
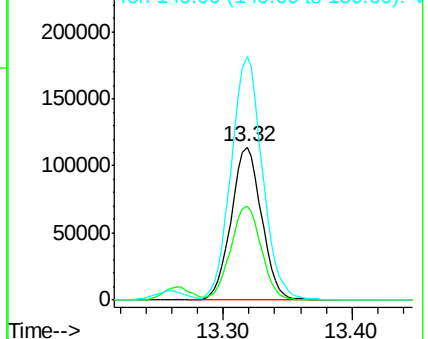
152 100

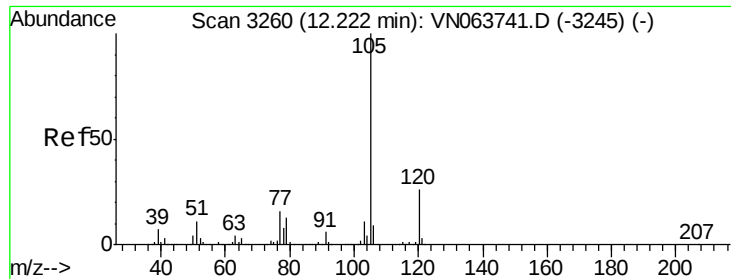
115 61.4 31.3 93.8

150 162.7 0.0 341.8



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





#73

Isopropylbenzene

Concen: 18.927 ug/l

RT: 12.23 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN063913.D

Acq: 7 Oct 2020 00:17

Instrument :

MSVOA_N

ClientSampleId :

VN1006WBSD04

Tot Ion:105 Resp: 258749

Ion Ratio Lower Upper

105 100

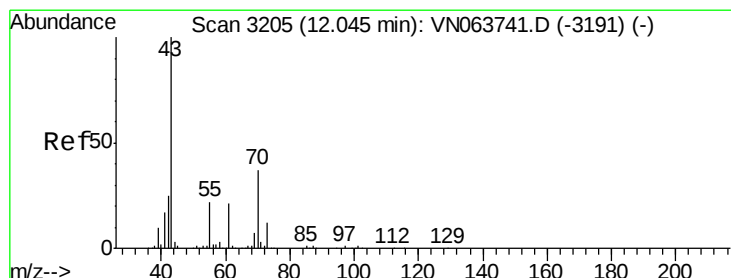
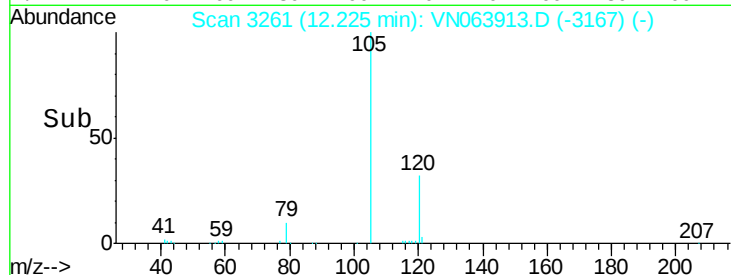
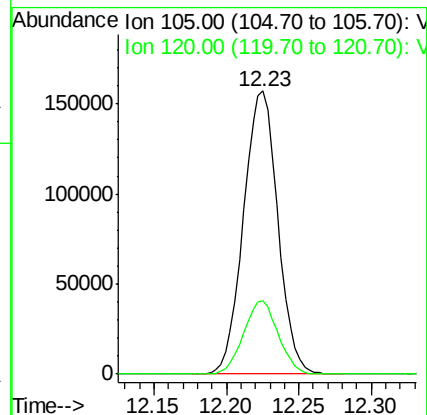
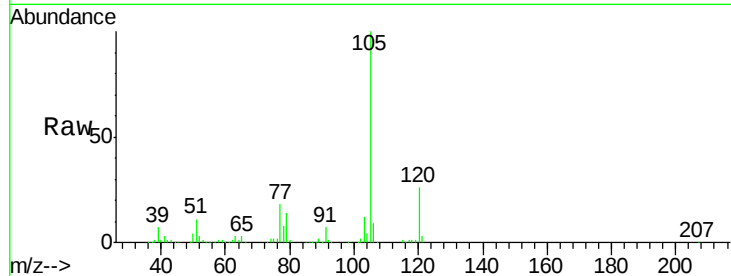
120 26.1 12.6 37.8

Manual Integrations

APPROVED

MMDadoda

10/7/2020 12:12:02 PM



#74

N-ethyl acetate

Concen: 20.302 ug/l

RT: 12.04 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN063913.D

Acq: 7 Oct 2020 00:17

Tgt Ion: 43 Resp: 120246

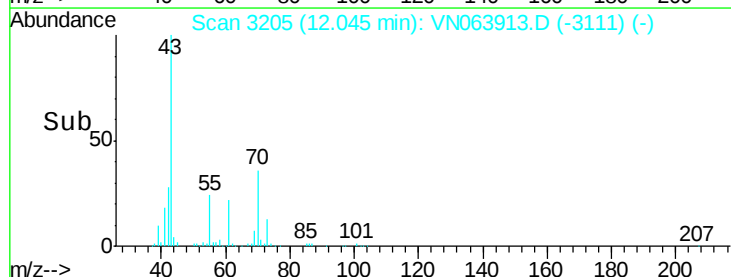
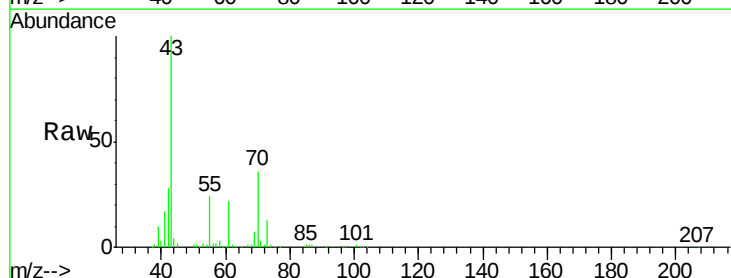
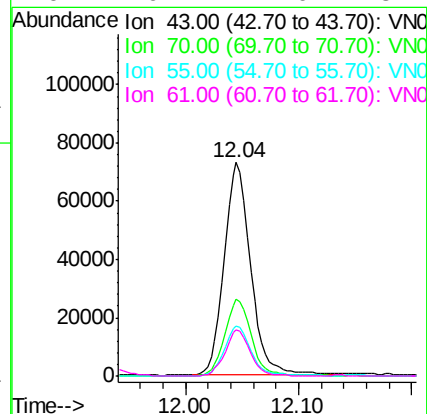
Ion Ratio Lower Upper

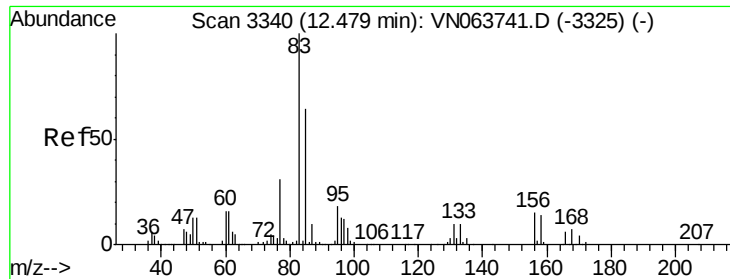
43 100

70 35.9 29.8 44.8

55 23.9 17.9 26.9

61 20.4 17.0 25.4





#75

1,1,2,2-Tetrachloroethane

Concen: 21.052 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN063913.D

Acq: 7 Oct 2020 00:17

Instrument :

MSVOA_N

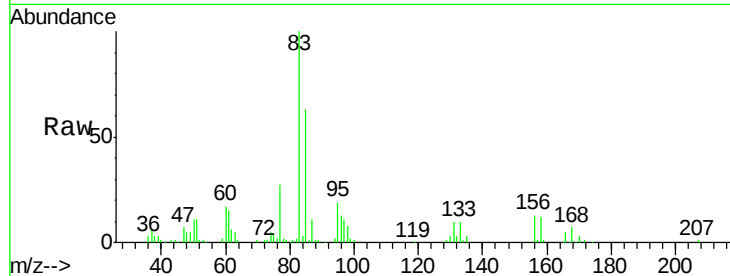
ClientSampleId :

VN1006WBSD04

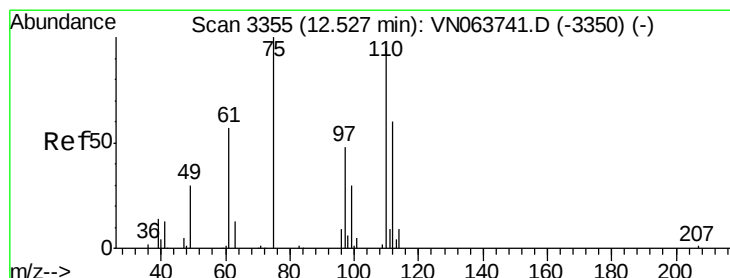
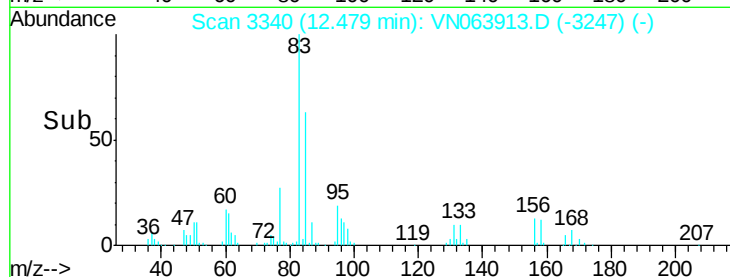
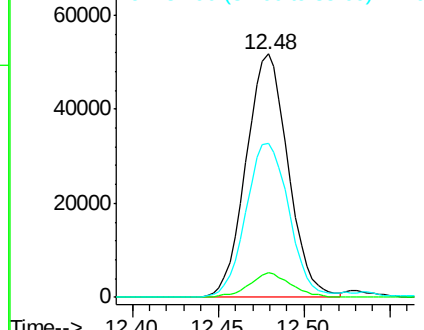
Tot Ion:	83	Resp:	88004
Ion Ratio	Lower	Upper	
83	100		
131	10.0	5.3	15.8
85	64.8	31.3	93.8

Manual Integrations
APPROVED

MMDadoda
10/7/2020 12:12:02 PM



Abundance Ion 82.90 (82.60 to 83.60): VN063913.D (-3247) (-)



#76

1,2,3-Trichloropropane

Concen: 20.064 ug/l m

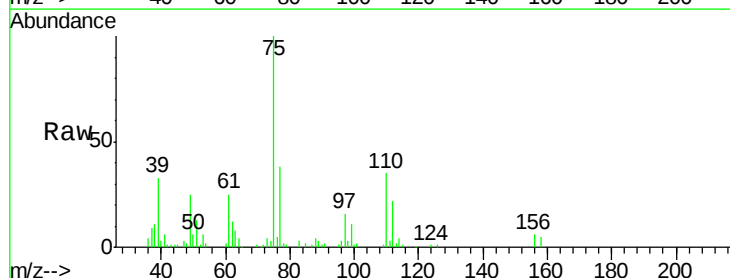
RT: 12.53 min Scan# 3355

Delta R.T. 0.00 min

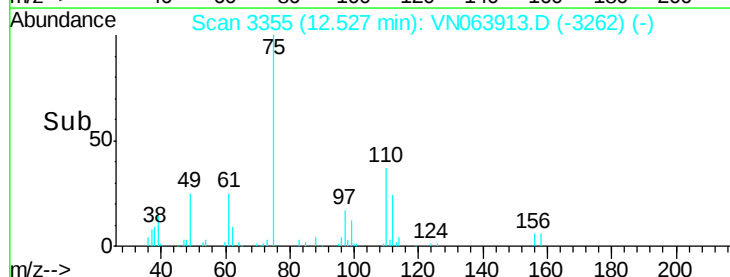
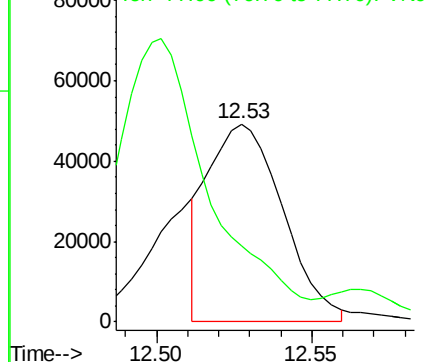
Lab File: VN063913.D

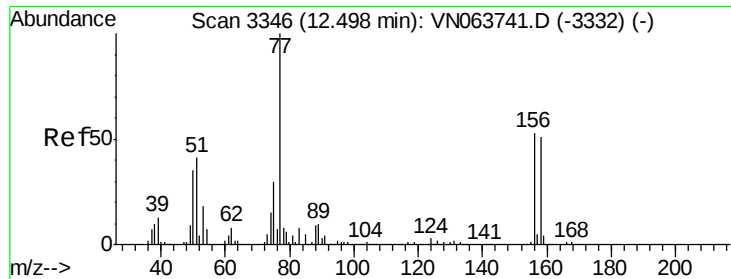
Acq: 7 Oct 2020 00:17

Tgt Ion:	75	Resp:	82897
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN063913.D (-3262) (-)





#77

Bromobenzene

Concen: 20.109 ug/l

RT: 12.50 min Scan# 3347

Delta R.T. 0.00 min

Lab File: VN063913.D

Acq: 7 Oct 2020 00:17

Instrument :

MSVOA_N

ClientSampleId :

VN1006WBSD04

Tot Ion:156 Resp: 67456

Ion Ratio Lower Upper

156 100

77 219.7 110.9 332.7

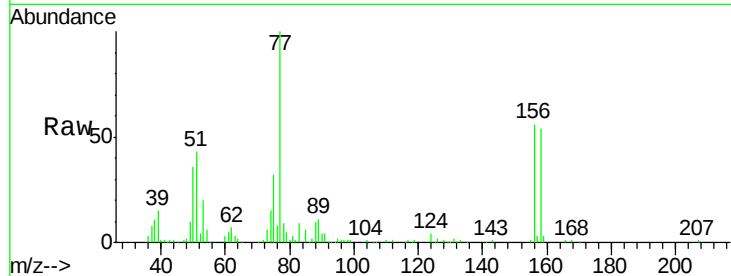
158 96.2 47.7 143.1

Manual Integrations

APPROVED

MMDadoda

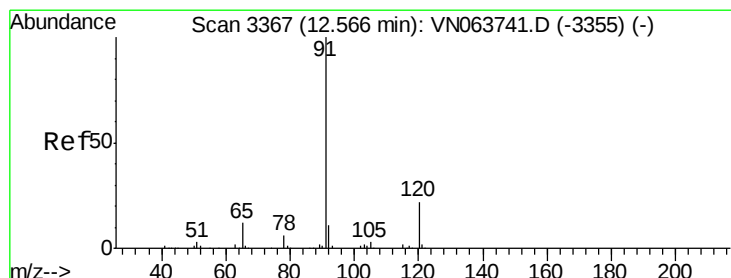
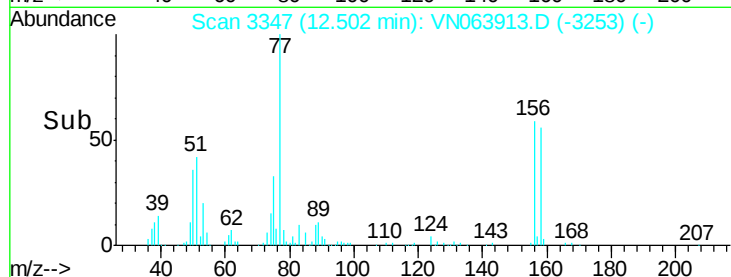
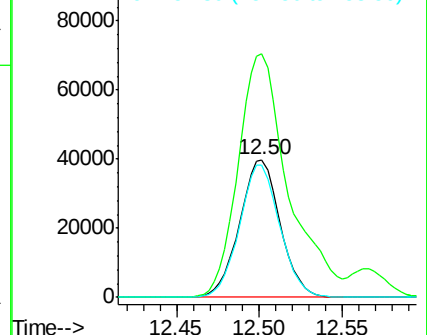
10/7/2020 12:12:02 PM



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: 18.208 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN063913.D

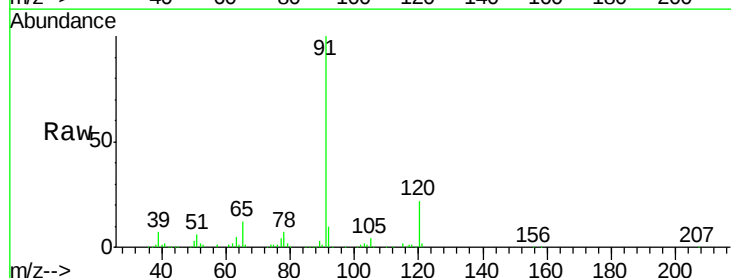
Acq: 7 Oct 2020 00:17

Tgt Ion: 91 Resp: 289684

Ion Ratio Lower Upper

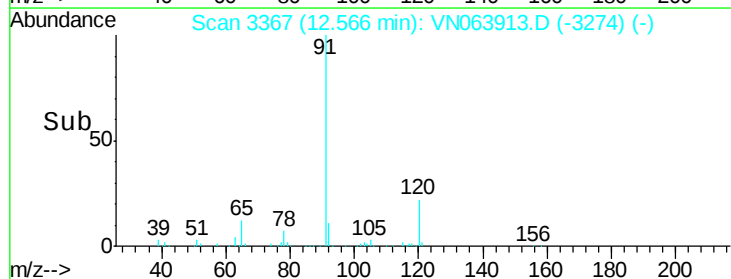
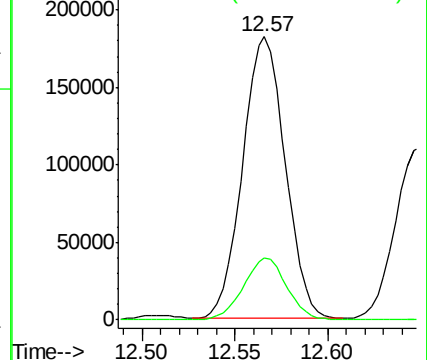
91 100

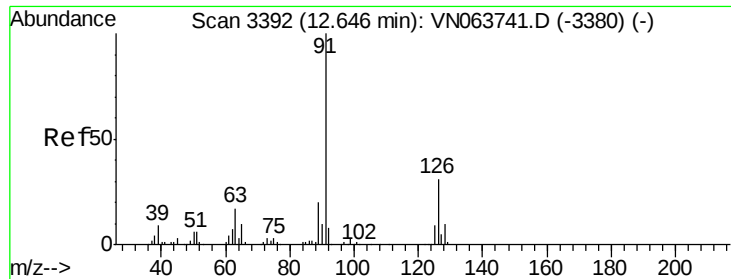
120 22.4 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.023 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN063913.D

Acq: 7 Oct 2020 00:17

Instrument :

MSVOA_N

ClientSampleId :

VN1006WBSD04

Tot Ion: 91 Resp: 186137

Ion Ratio Lower Upper

91 100

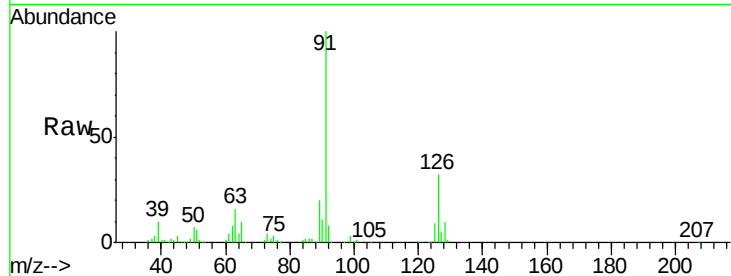
126 31.8 15.9 47.7

Manual Integrations

APPROVED

MMDadoda

10/7/2020 12:12:02 PM



Abundance Ion 91.00 (90.70 to 91.70): VN063913.D (-3299) (-)

Ion 125.90 (125.60 to 126.60): VN063913.D (-3299) (-)

200000

150000

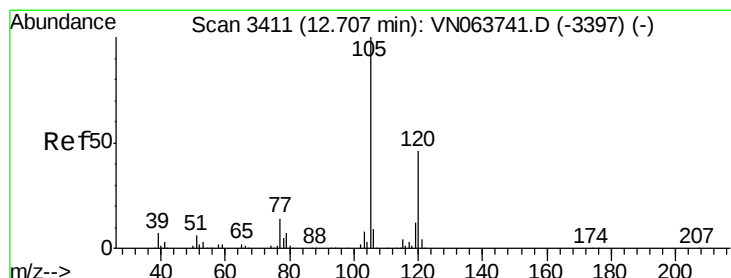
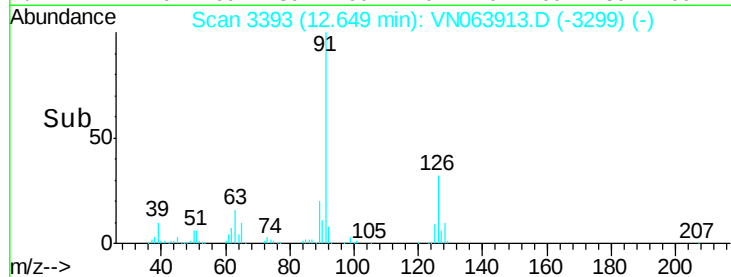
100000

50000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.169 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN063913.D

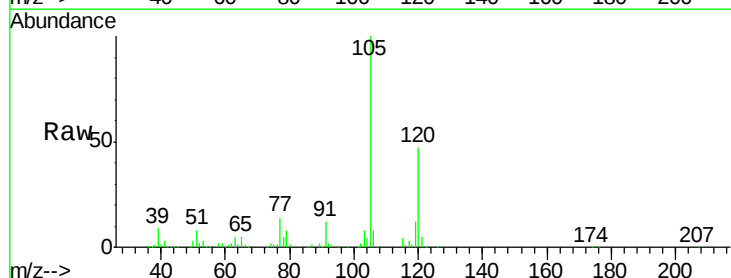
Acq: 7 Oct 2020 00:17

Tgt Ion: 105 Resp: 219852

Ion Ratio Lower Upper

105 100

120 47.0 23.3 69.9



Abundance Ion 105.00 (104.70 to 105.70): VN063913.D (-3318) (-)

Ion 120.00 (119.70 to 120.70): VN063913.D (-3318) (-)

150000

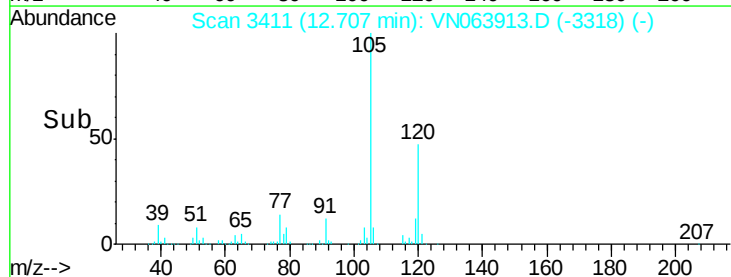
100000

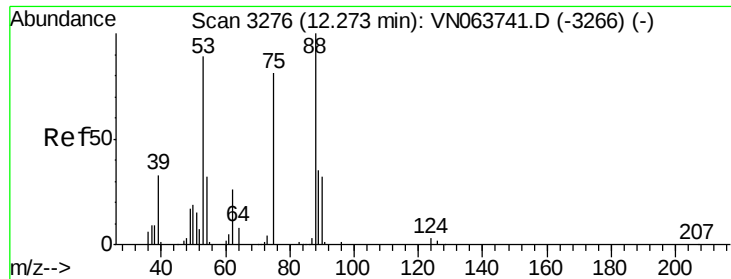
50000

0

12.65 12.70 12.75 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 18.947 ug/l

RT: 12.28 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN063913.D

Acq: 7 Oct 2020 00:17

Instrument :

MSVOA_N

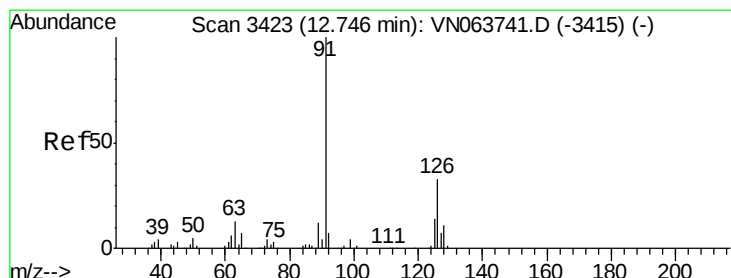
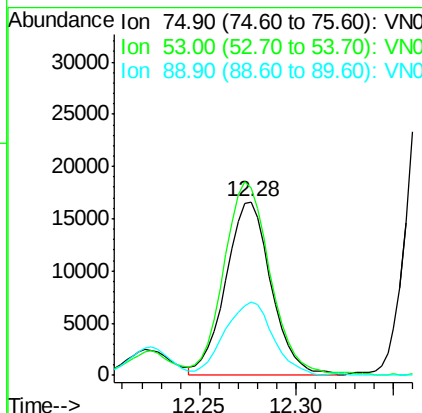
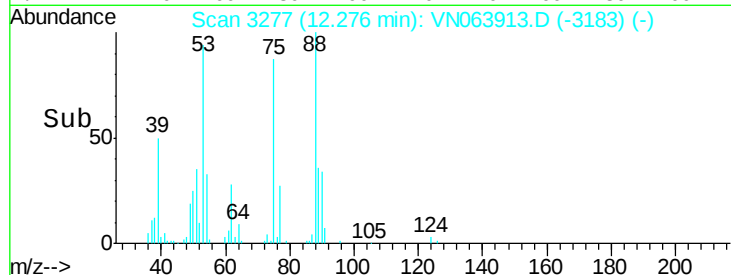
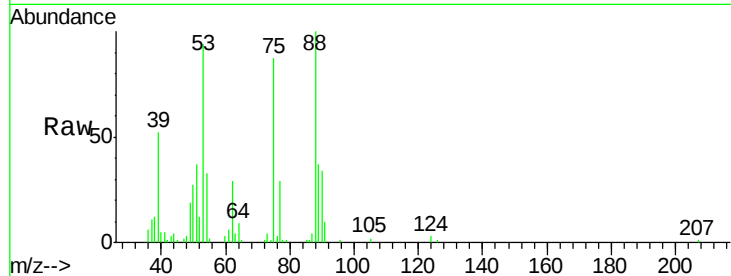
ClientSampleId :

VN1006WBSD04

Tot Ion:	75	Resp:	27180
Ion	Ratio	Lower	Upper
75	100		
53	114.3	88.2	132.2
89	45.3	36.0	54.0

Manual Integrations
APPROVED

MMDadoda
10/7/2020 12:12:02 PM



#82

4-Chlorotoluene

Concen: 19.072 ug/l

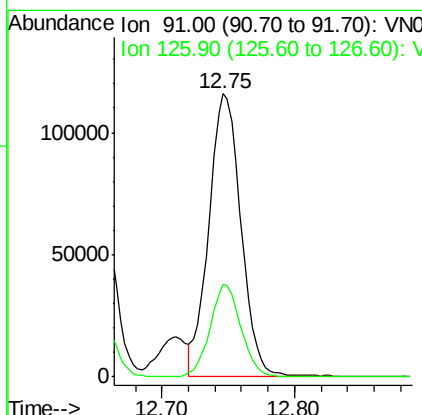
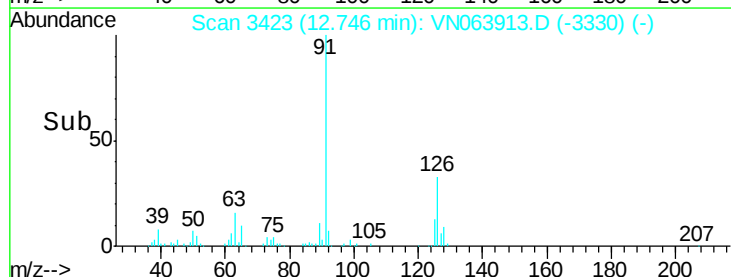
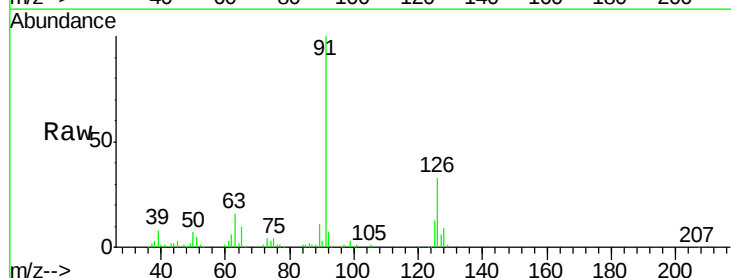
RT: 12.75 min Scan# 3423

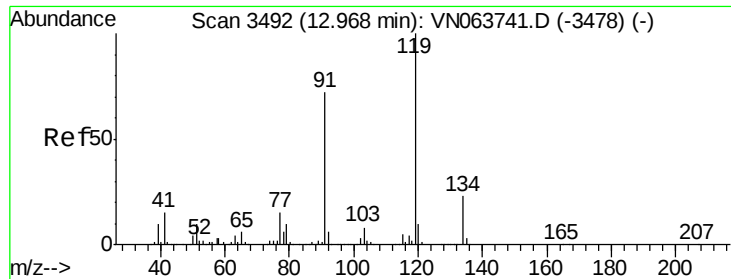
Delta R.T. 0.00 min

Lab File: VN063913.D

Acq: 7 Oct 2020 00:17

Tgt Ion:	91	Resp:	193730
Ion	Ratio	Lower	Upper
91	100		
126	31.5	15.4	46.2





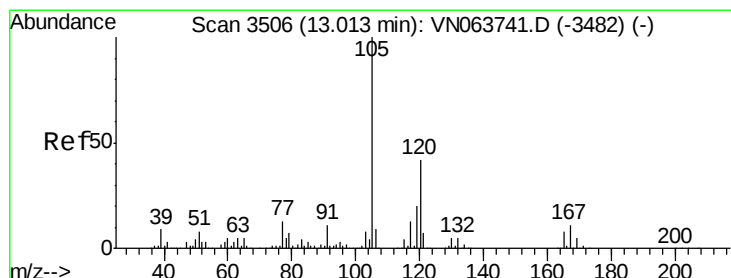
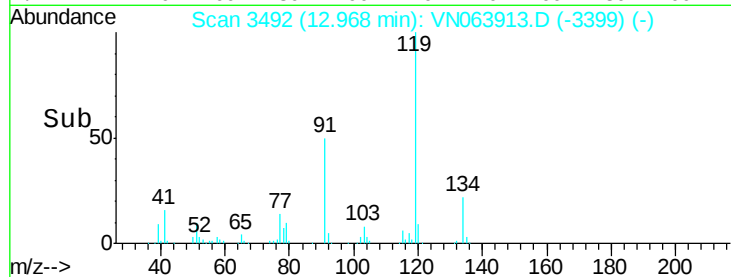
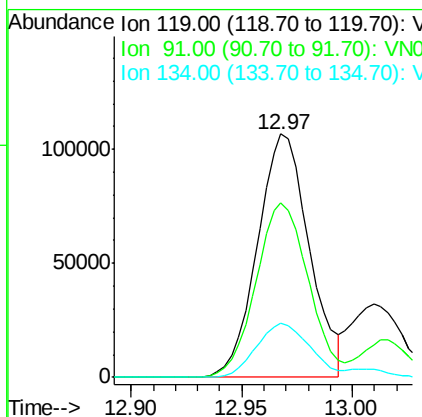
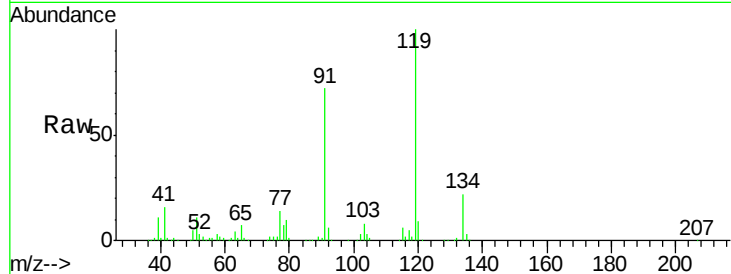
#83
tert-Butylbenzene
Concen: 18.490 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN063913.D
Acq: 7 Oct 2020 00:17

Instrument :
MSVOA_N
ClientSampleId :
VN1006WBSD04

Tot Ion	Ratio	Lower	Upper
119	100		
91	72.3	35.5	106.5
134	23.0	11.7	35.1

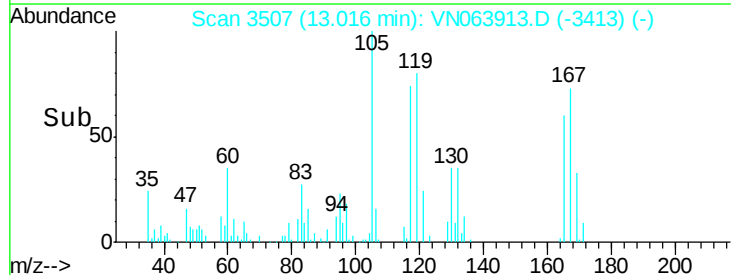
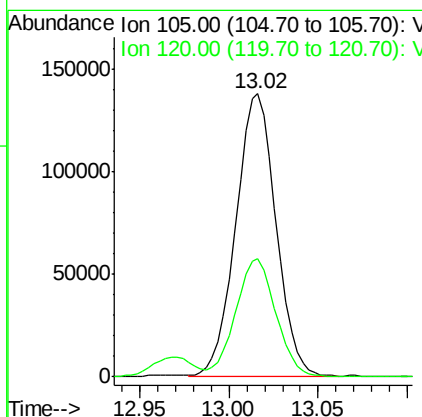
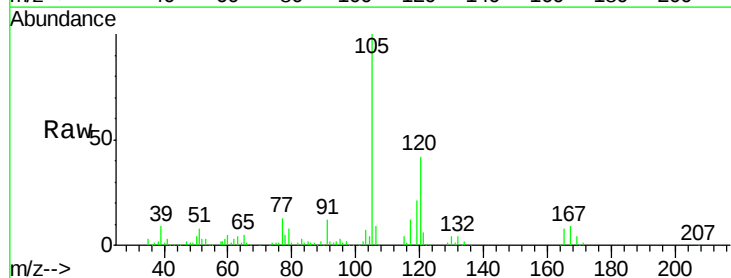
Manual Integrations
APPROVED

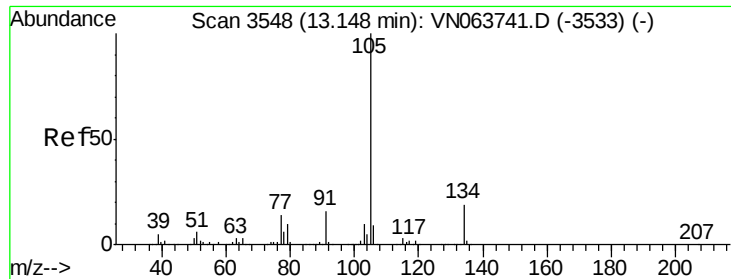
MMDadoda
10/7/2020 12:12:02 PM



#84
1,2,4-Trimethylbenzene
Concen: 18.768 ug/l
RT: 13.02 min Scan# 3507
Delta R.T. 0.00 min
Lab File: VN063913.D
Acq: 7 Oct 2020 00:17

Tgt Ion	Ratio	Lower	Upper
105	100		
120	41.8	20.9	62.7





#85

sec-Butylbenzene

Concen: 18.242 ug/l

RT: 13.15 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN063913.D

Acq: 7 Oct 2020 00:17

Instrument :

MSVOA_N

ClientSampleId :

VN1006WBSD04

Tot Ion:105 Resp: 224774

Ion Ratio Lower Upper

105 100

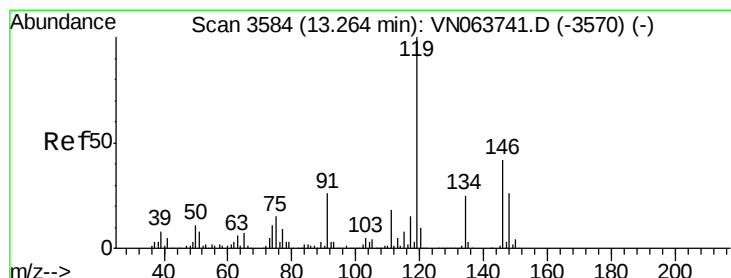
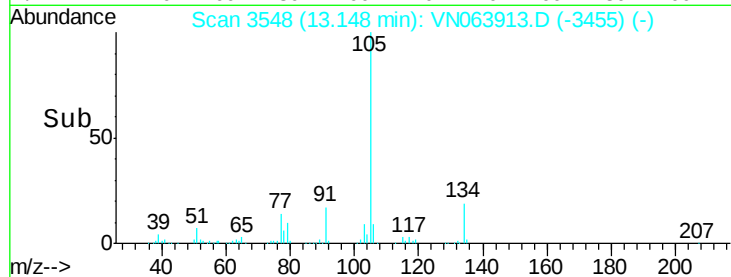
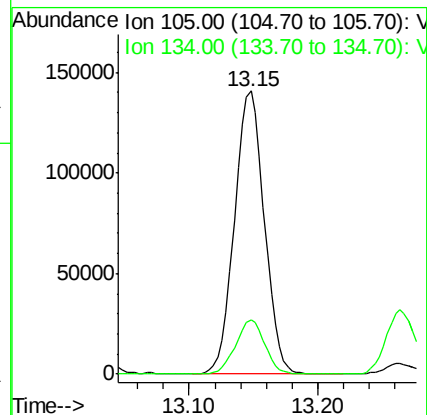
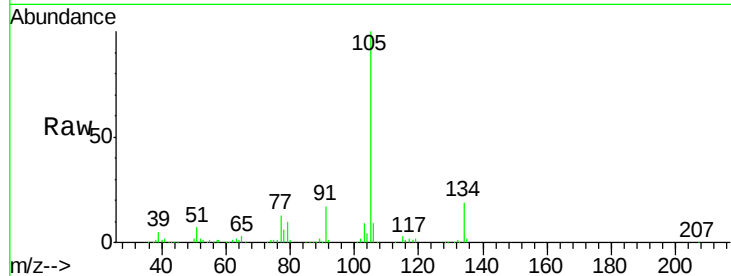
134 18.8 9.5 28.5

Manual Integrations

APPROVED

MMDadoda

10/7/2020 12:12:02 PM



#86

p-Isopropyltoluene

Concen: 18.405 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN063913.D

Acq: 7 Oct 2020 00:17

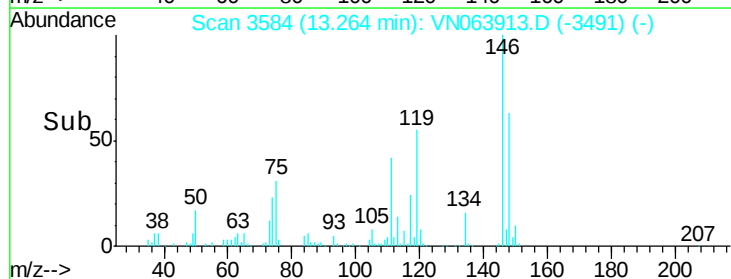
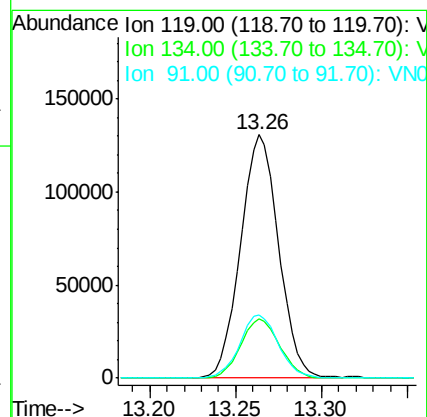
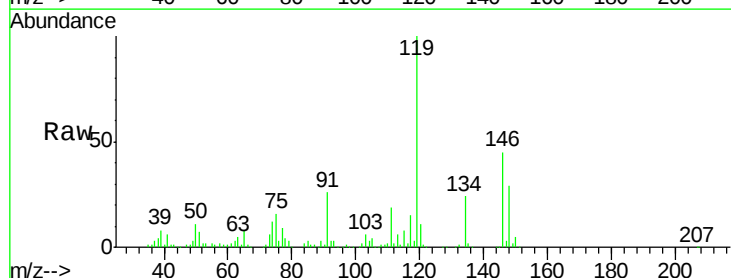
Tgt Ion:119 Resp: 200625

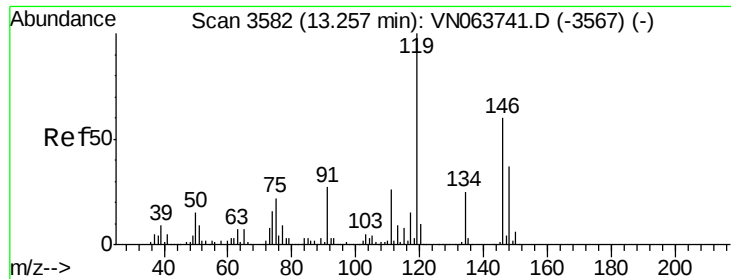
Ion Ratio Lower Upper

119 100

134 25.2 12.6 37.8

91 26.7 13.4 40.2





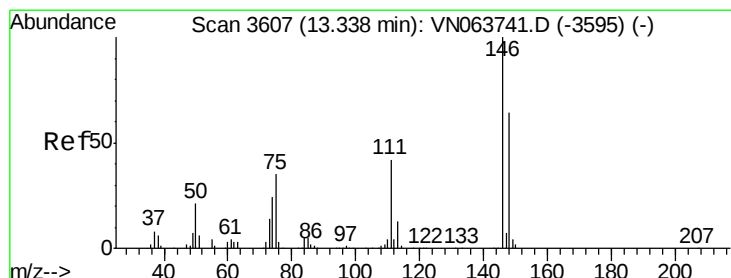
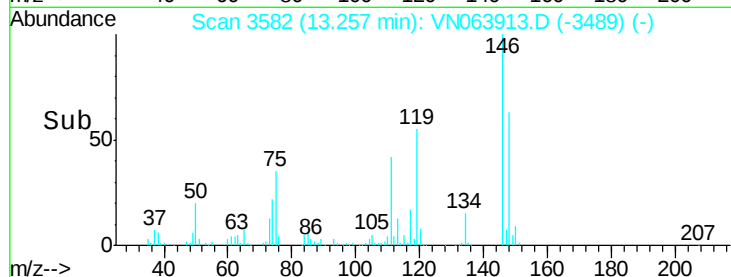
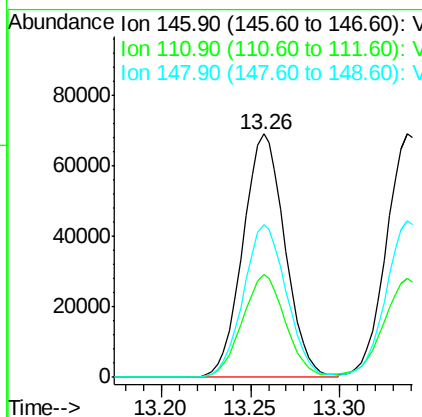
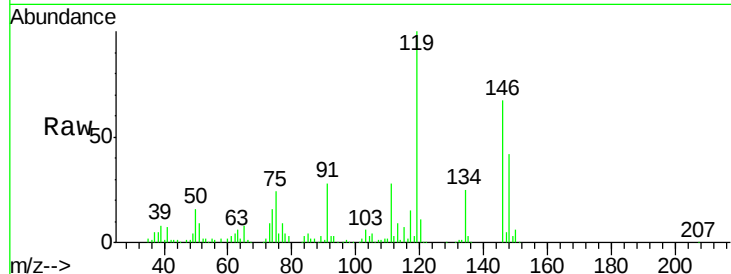
#87
 1,3-Dichlorobenzene
 Concen: 18.805 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN063913.D
 Acq: 7 Oct 2020 00:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1006WBSD04

Tot Ion	Ratio	Resp	Lower	Upper
146	100	114123		
111	43.1	21.5	64.5	
148	64.1	31.1	93.3	

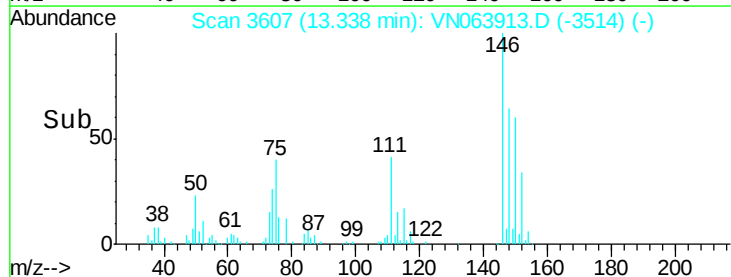
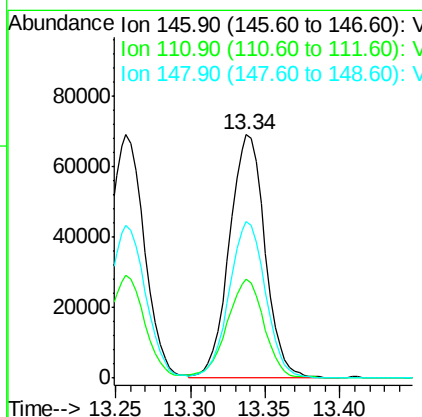
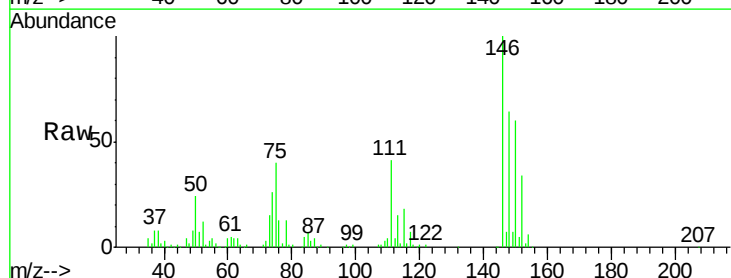
Manual Integrations
 APPROVED

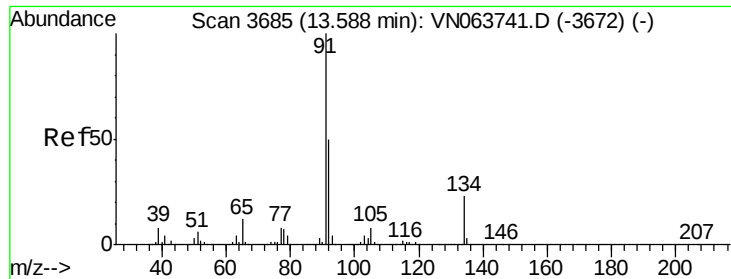
MMDadoda
 10/7/2020 12:12:02 PM



#88
 1,4-Dichlorobenzene
 Concen: 17.997 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN063913.D
 Acq: 7 Oct 2020 00:17

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	113719		
111	42.4	21.3	63.7	
148	65.7	32.0	96.0	





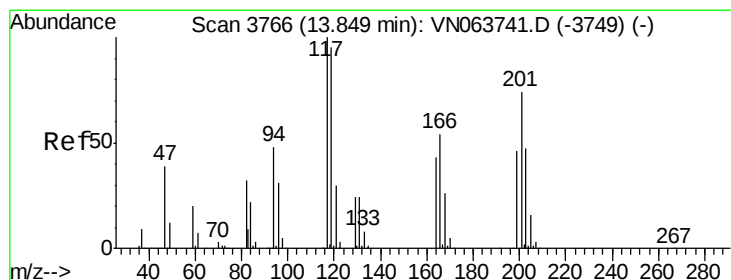
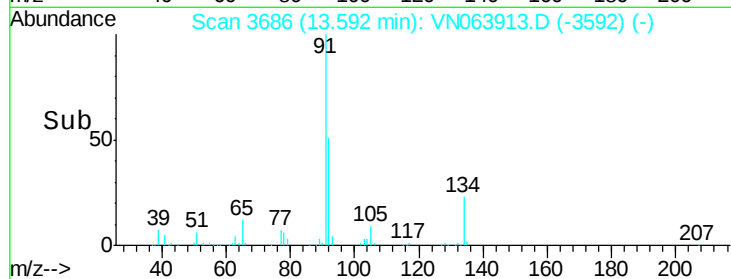
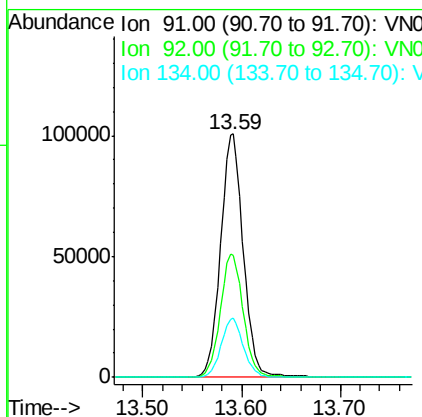
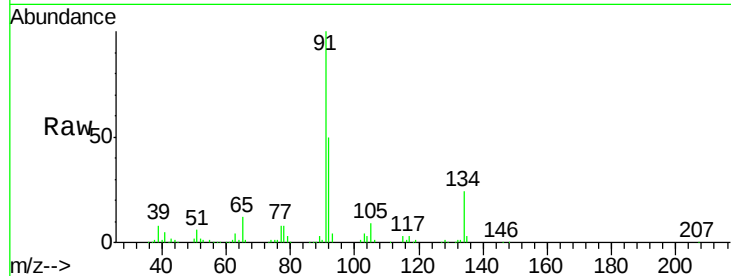
#89
n-Butylbenzene
Concen: 16.238 ug/l
RT: 13.59 min Scan# 3686
Delta R.T. 0.00 min
Lab File: VN063913.D
Acq: 7 Oct 2020 00:17

Instrument :
MSVOA_N
ClientSampleId :
VN1006WBSD04

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.7	25.4	76.4
134	23.7	11.7	35.1

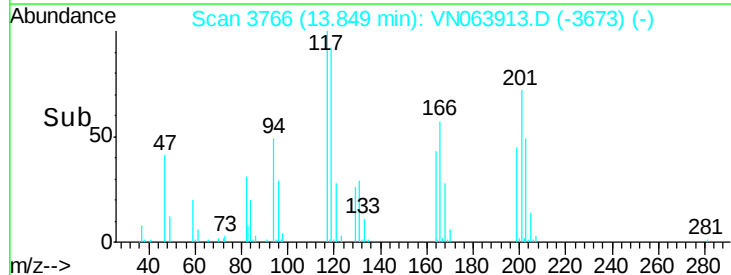
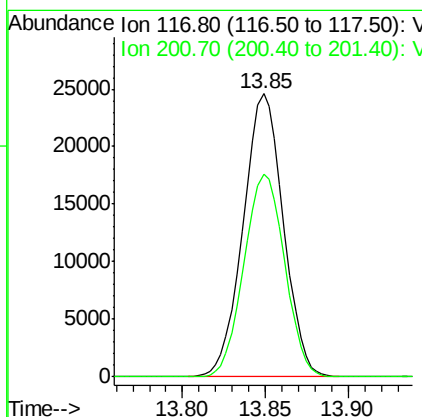
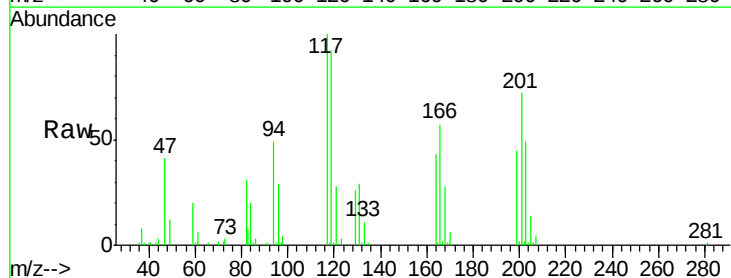
Manual Integrations
APPROVED

MMDadoda
10/7/2020 12:12:02 PM



#90
Hexachloroethane
Concen: 19.634 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN063913.D
Acq: 7 Oct 2020 00:17

Tgt Ion	Ratio	Lower	Upper
117	100		
201	72.4	36.0	108.0





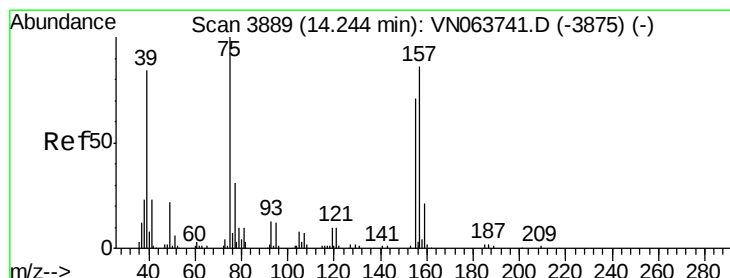
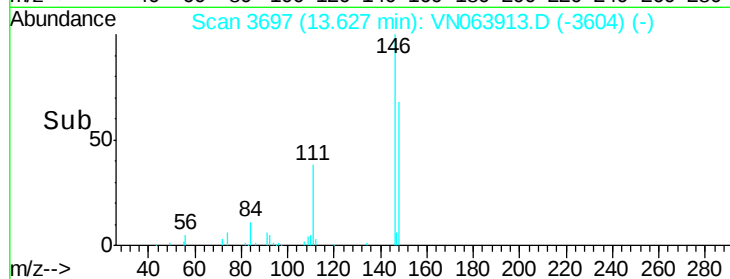
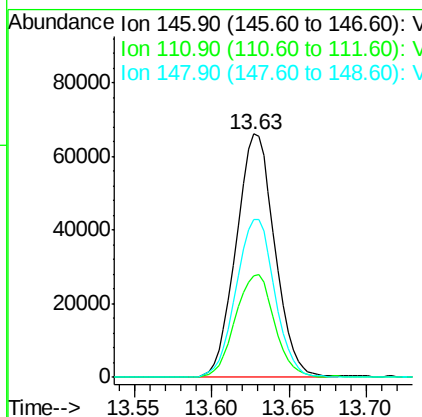
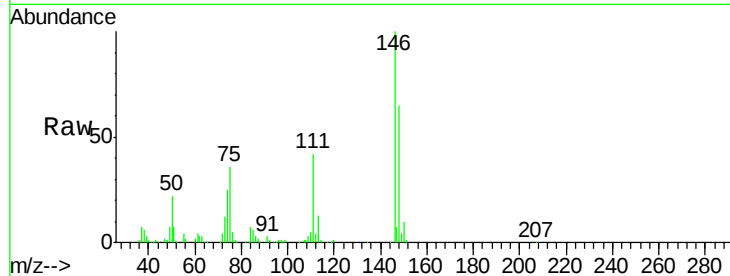
#91
 1,2-Dichlorobenzene
 Concen: 19.139 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN063913.D
 Acq: 7 Oct 2020 00:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1006WBSD04

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.6	22.2	66.6
148	65.3	32.5	97.4

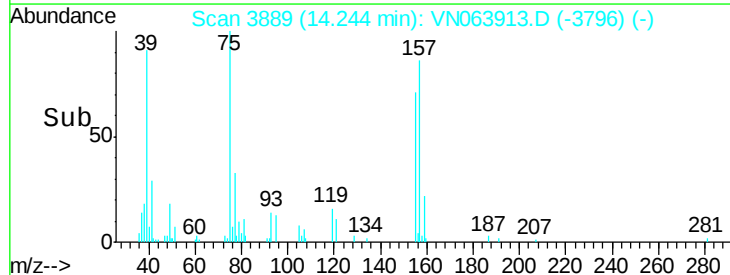
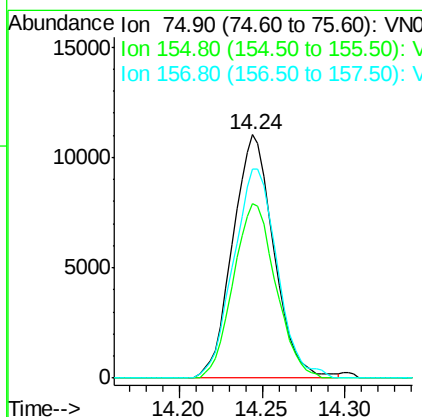
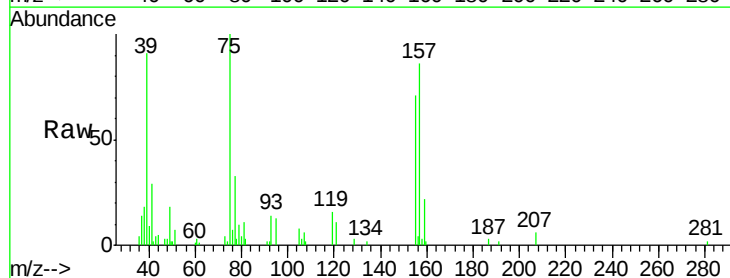
Manual Integrations
 APPROVED

MMDadoda
 10/7/2020 12:12:02 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.406 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN063913.D
 Acq: 7 Oct 2020 00:17

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.6	34.8	104.5
157	91.1	43.7	131.1





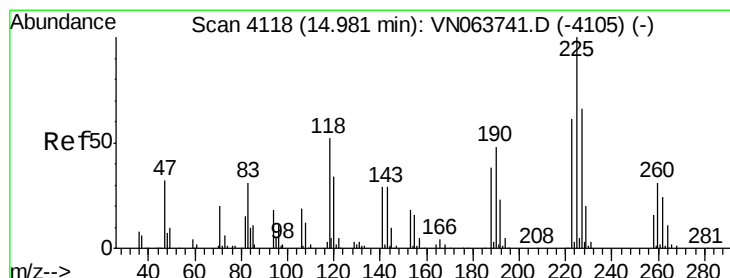
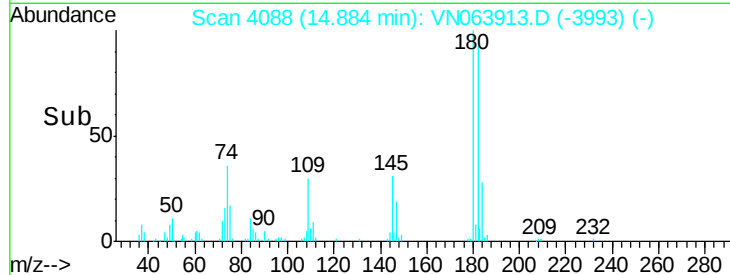
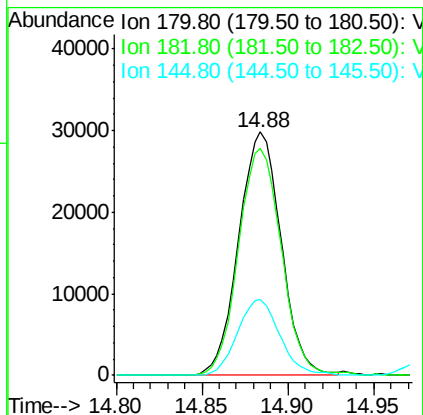
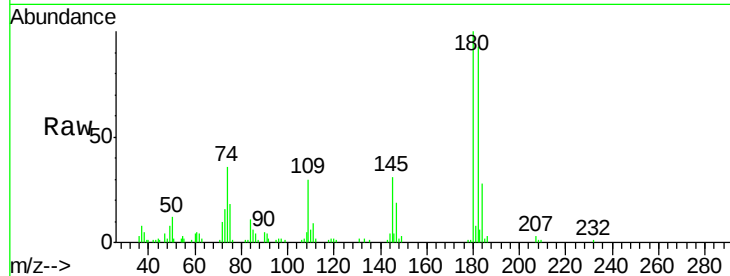
#93
 1,2,4-Trichlorobenzene
 Concen: 16.857 ug/l
 RT: 14.88 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN063913.D
 Acq: 7 Oct 2020 00:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1006WBSD04

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.9	48.2	144.6
145	31.0	17.1	51.2

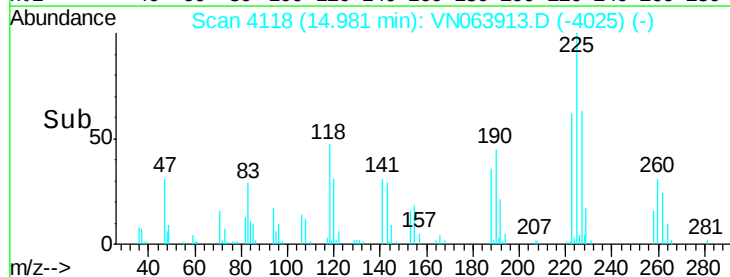
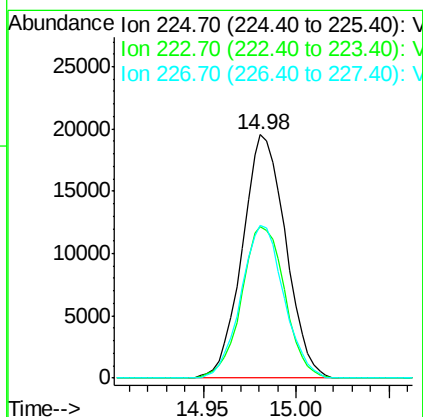
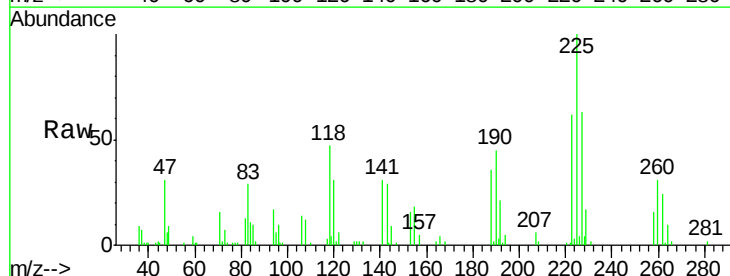
Manual Integrations
 APPROVED

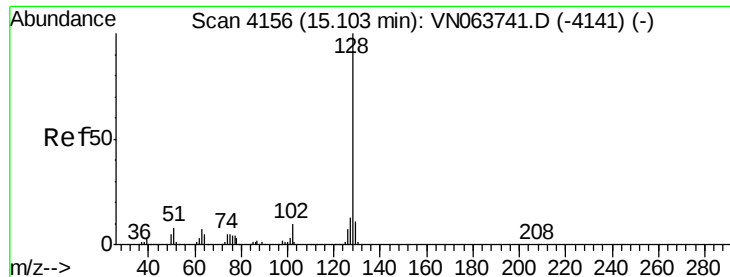
MMDadoda
 10/7/2020 12:12:02 PM



#94
 Hexachlorobutadiene
 Concen: 19.574 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN063913.D
 Acq: 7 Oct 2020 00:17

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.0	30.3	91.0
227	61.9	31.9	95.5





#95

Naphthalene

Concen: 17.070 ug/l

RT: 15.11 min Scan# 4157

Delta R.T. 0.00 min

Lab File: VN063913.D

Acq: 7 Oct 2020 00:17

Instrument :

MSVOA_N

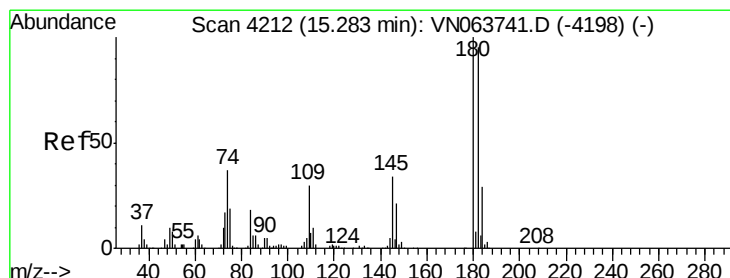
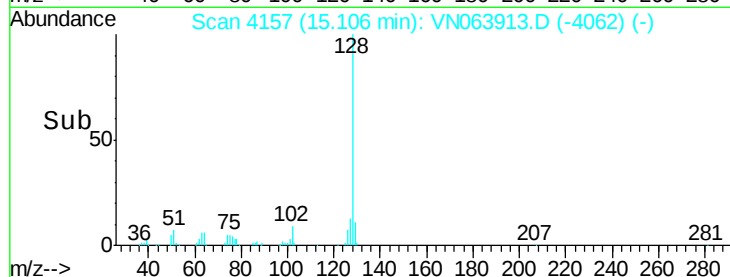
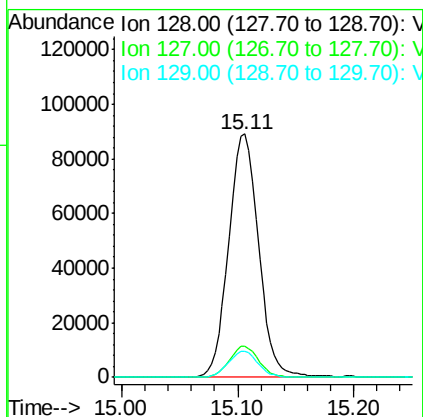
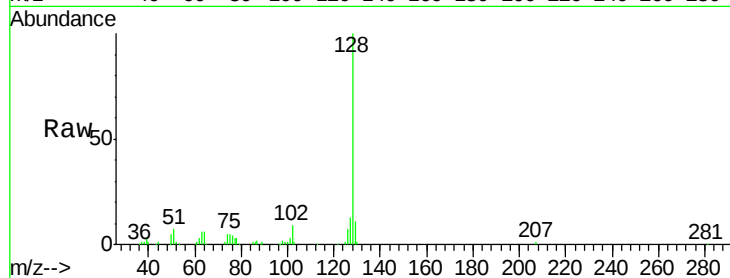
ClientSampleId :

VN1006WBSD04

Tot Ion:	128	Resp:	159301
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.5	15.7
129	10.6	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
10/7/2020 12:12:02 PM



#96

1,2,3-Trichlorobenzene

Concen: 16.691 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN063913.D

Acq: 7 Oct 2020 00:17

Tgt Ion:	180	Resp:	49492
Ion Ratio	Lower	Upper	
180	100		
182	95.9	47.9	143.6
145	35.8	17.2	51.5

