

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100220\
 Data File : VN063814.D
 Acq On : 2 Oct 2020 12:16
 Operator : JC/MD
 Sample : VN1002WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1002WBS01

Manual Integrations
 APPROVED

MMDadoda
 10/5/2020 5:35:19 PM

Quant Time: Oct 05 04:36:02 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	251954	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	421655	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	391587	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	180440	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	215517	51.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.56%	
35) Dibromofluoromethane	7.55	113	142366	48.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.32%	
50) Toluene-d8	10.06	98	536031	48.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.66%	
62) 4-Bromofluorobenzene	12.38	95	194546	46.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	47086	17.711	ug/l	97
3) Chloromethane	2.04	50	56094	17.982	ug/l	100
4) Vinyl Chloride	2.16	62	55561	17.744	ug/l	98
5) Bromomethane	2.53	94	36494	18.529	ug/l	99
6) Chloroethane	2.68	64	35782	19.124	ug/l	96
7) Trichlorofluoromethane	2.98	101	93582	18.844	ug/l	99
8) Diethyl Ether	3.37	74	31904	18.996	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.72	101	48104	18.123	ug/l	98
10) Methyl Iodide	3.91	142	55193	17.908	ug/l	97
11) Tert butyl alcohol	4.72	59	48395	105.310	ug/l #	87
12) 1,1-Dichloroethene	3.70	96	45160	17.800	ug/l	97
13) Acrolein	3.57	56	25720	91.191	ug/l	95
14) Allyl chloride	4.28	41	91602	19.434	ug/l	94
15) Acrylonitrile	4.93	53	128253	97.499	ug/l	99
16) Acetone	3.78	43	131293	102.466	ug/l	96
17) Carbon Disulfide	4.01	76	122113	18.259	ug/l	100
18) Methyl Acetate	4.28	43	68535	20.601	ug/l	95
19) Methyl tert-butyl Ether	4.99	73	175266	19.014	ug/l	99
20) Methylene Chloride	4.50	84	58209	19.893	ug/l	95
21) trans-1,2-Dichloroethene	4.99	96	49280	17.341	ug/l	98
22) Diisopropyl ether	5.90	45	188910	19.480	ug/l	99
23) Vinyl Acetate	5.84	43	778291	96.884	ug/l	99
24) 1,1-Dichloroethane	5.80	63	105890	19.097	ug/l	98
25) 2-Butanone	6.78	43	185735	102.242	ug/l	97
26) 2,2-Dichloropropane	6.78	77	93737	18.460	ug/l	97
27) cis-1,2-Dichloroethene	6.78	96	59024	18.059	ug/l	96
28) Bromochloromethane	7.15	49	52340	19.098	ug/l	99
29) Tetrahydrofuran	7.17	42	121845	100.004	ug/l	97
30) Chloroform	7.33	83	111631	19.308	ug/l	96
31) Cyclohexane	7.62	56	86514	17.903	ug/l #	96
32) 1,1,1-Trichloroethane	7.53	97	98922	18.969	ug/l	99
36) 1,1-Dichloropropene	7.75	75	78012	18.262	ug/l	99
37) Ethyl Acetate	6.88	43	80215	18.900	ug/l	98
38) Carbon Tetrachloride	7.74	117	87195	18.203	ug/l	91

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100220\
 Data File : VN063814.D
 Acq On : 2 Oct 2020 12:16
 Operator : JC/MD
 Sample : VN1002WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1002WBS01

Manual Integrations
 APPROVED

MMDadoda
 10/5/2020 5:35:19 PM

Quant Time: Oct 05 04:36:02 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	69593	16.337	ug/l	95
40) Benzene	8.00	78	222987	18.276	ug/l	97
41) Methacrylonitrile	7.13	41	40273	21.351	ug/l #	92
42) 1,2-Dichloroethane	8.09	62	100916	19.376	ug/l	99
43) Isopropyl Acetate	8.13	43	134864	19.265	ug/l	99
44) Trichloroethene	8.80	130	56312	17.615	ug/l	99
45) 1,2-Dichloropropane	9.09	63	62700	19.028	ug/l	95
46) Dibromomethane	9.17	93	41788	18.383	ug/l	100
47) Bromodichloromethane	9.37	83	88815	18.958	ug/l	98
48) Methyl methacrylate	9.17	41	67225	19.437	ug/l	96
49) 1,4-Dioxane	9.16	88	19128	389.137	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	415815	101.217	ug/l	99
52) Toluene	10.13	92	139925	18.541	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	91720	18.264	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	95002	18.089	ug/l	96
55) 1,1,2-Trichloroethane	10.53	97	58318	19.269	ug/l	98
56) Ethyl methacrylate	10.40	69	81253	18.940	ug/l	100
57) 1,3-Dichloropropane	10.68	76	100076	19.544	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	222506	96.961	ug/l	99
59) 2-Hexanone	10.72	43	299818	98.243	ug/l	98
60) Dibromochloromethane	10.87	129	63737	18.083	ug/l	100
61) 1,2-Dibromoethane	10.98	107	59058	19.076	ug/l	99
64) Tetrachloroethene	10.60	164	54735	18.067	ug/l	98
65) Chlorobenzene	11.41	112	147231	18.329	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	58532	19.007	ug/l	99
67) Ethyl Benzene	11.48	91	269338	18.427	ug/l	98
68) m/p-Xylenes	11.59	106	198387	36.418	ug/l	100
69) o-Xylene	11.92	106	95194	18.696	ug/l	99
70) Styrene	11.94	104	155630	18.007	ug/l	98
71) Bromoform	12.10	173	42087	17.870	ug/l #	96
73) Isopropylbenzene	12.23	105	250605	19.041	ug/l	100
74) N-amyl acetate	12.05	43	112601	19.808	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	81207	20.178	ug/l	96
76) 1,2,3-Trichloropropane	12.53	75	78632m	19.769	ug/l	
77) Bromobenzene	12.50	156	63704	19.726	ug/l	98
78) n-propylbenzene	12.57	91	282602	18.450	ug/l	100
79) 2-Chlorotoluene	12.65	91	180678	19.180	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	209553	18.979	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	26801	19.406	ug/l	98
82) 4-Chlorotoluene	12.75	91	188427	19.268	ug/l	99
83) tert-Butylbenzene	12.97	119	165769	18.354	ug/l	96
84) 1,2,4-Trimethylbenzene	13.02	105	210421	19.088	ug/l	100
85) sec-Butylbenzene	13.15	105	212577	17.920	ug/l	100
86) p-Isopropyltoluene	13.26	119	191697	18.267	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	106509	18.230	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	108811	17.887	ug/l	98
89) n-Butylbenzene	13.59	91	163051	16.834	ug/l	98
90) Hexachloroethane	13.85	117	37900	18.637	ug/l	96
91) 1,2-Dichlorobenzene	13.63	146	108948	18.827	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	18185	19.267	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100220\
Data File : VN063814.D
Acq On : 2 Oct 2020 12:16
Operator : JC/MD
Sample : VN1002WBS01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1002WBS01

Manual Integrations
APPROVED

MMDadoda
10/5/2020 5:35:19 PM

Quant Time: Oct 05 04:36:02 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	47358	16.264	ug/l	100
94) Hexachlorobutadiene	14.98	225	28004	17.891	ug/l	98
95) Naphthalene	15.10	128	154483	17.181	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	47300	16.581	ug/l	99

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

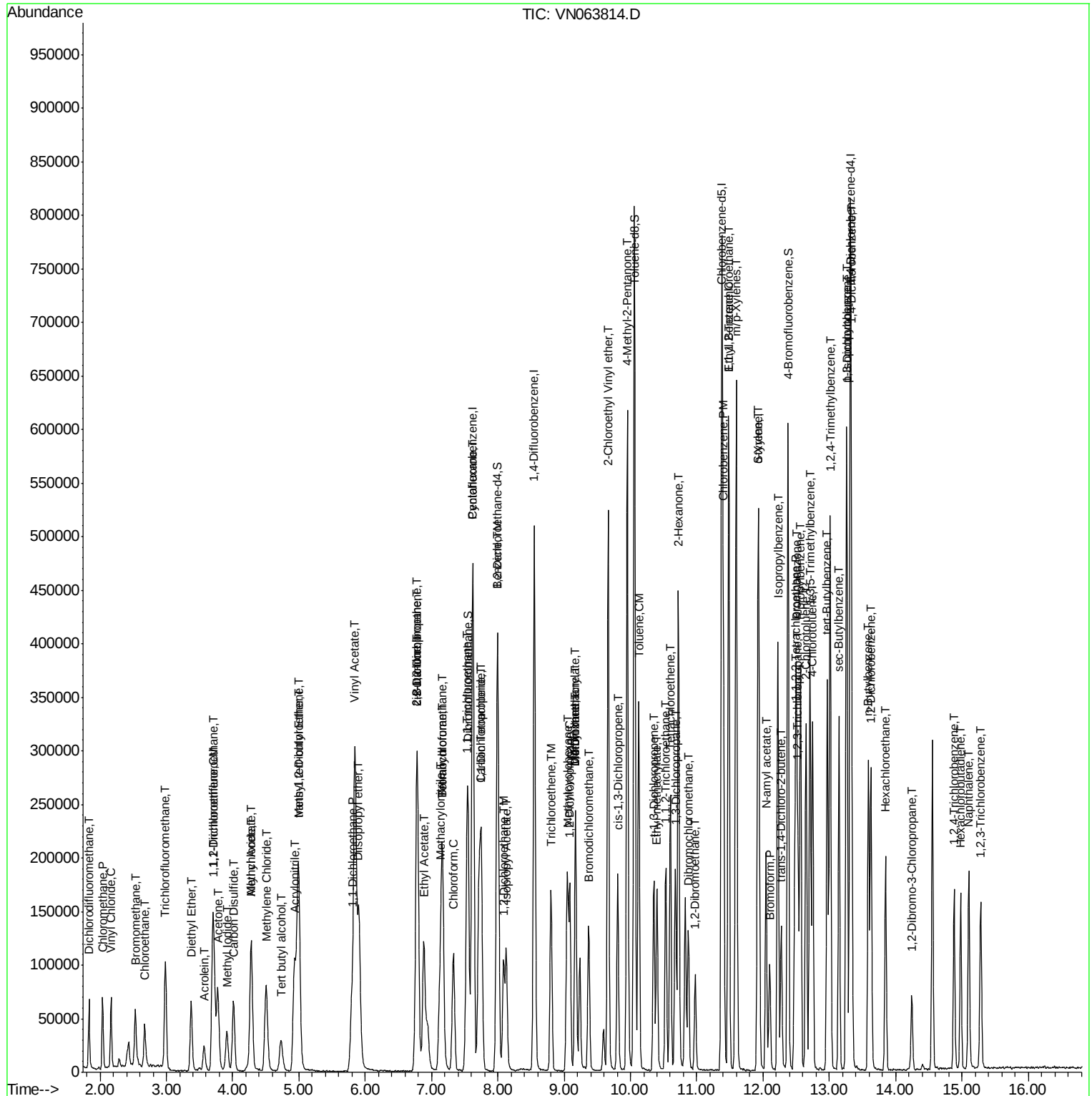
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN100220\
Data File : VN063814.D
Acq On : 2 Oct 2020 12:16
Operator : JC/MD
Sample : VN1002WBS01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1002WBS01

Manual Integrations
APPROVED

MMDadoda
10/5/2020 5:35:19 PM

Quant Time: Oct 05 04:36:02 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 01 01:46:38 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063814.D

Acq: 2 Oct 2020 12:16

Instrument :

MSVOA_N

ClientSampleId :

VN1002WBS01

Tot Ion:168 Resp: 251954

Ion Ratio Lower Upper

168 100

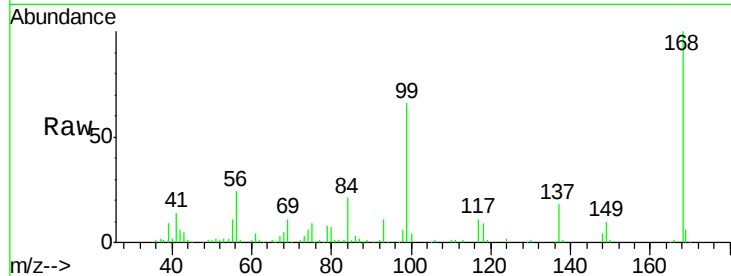
99 65.2 51.8 77.6

Manual Integrations

APPROVED

MMDadoda

10/5/2020 5:35:19 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

120000

100000

80000

60000

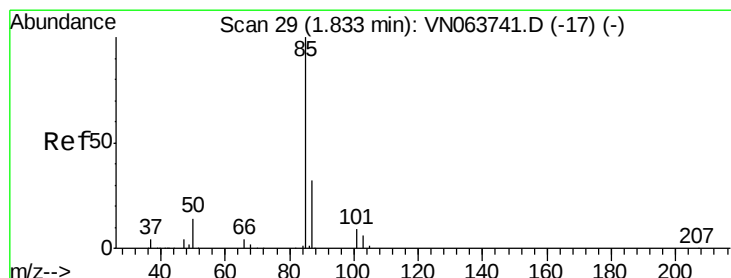
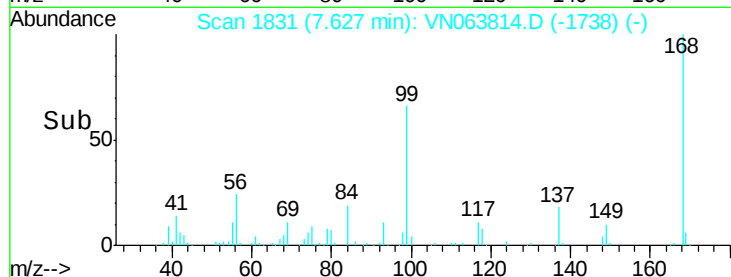
40000

20000

0

7.55 7.60 7.65 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 17.711 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN063814.D

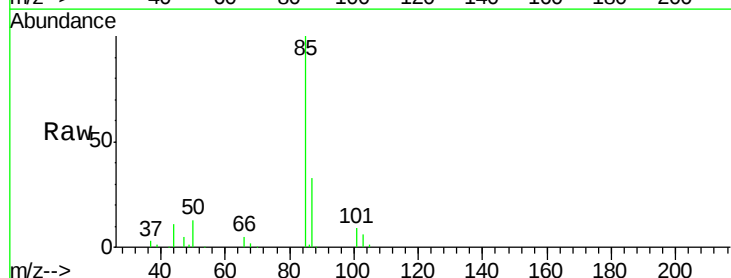
Acq: 2 Oct 2020 12:16

Tgt Ion: 85 Resp: 47086

Ion Ratio Lower Upper

85 100

87 33.5 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

40000

30000

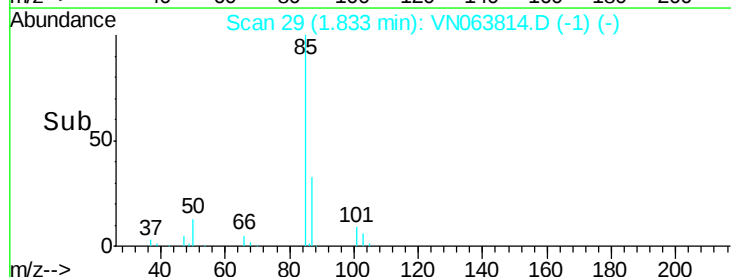
20000

10000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 17.982 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN063814.D

Acq: 2 Oct 2020 12:16

Instrument :

MSVOA_N

ClientSampleId :

VN1002WBS01

Tot Ion: 50 Resp: 56094

Ion Ratio Lower Upper

50 100

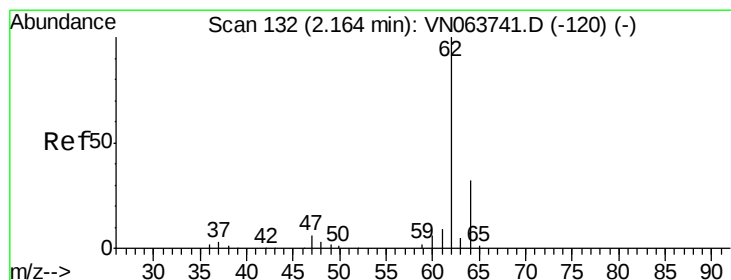
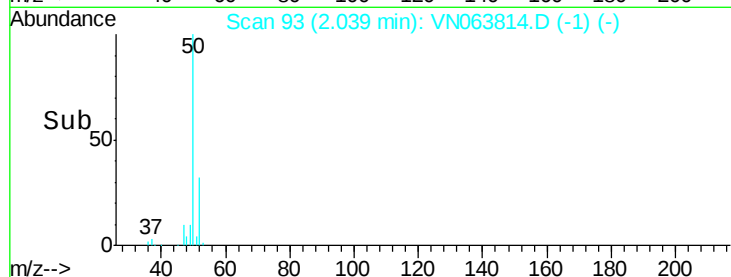
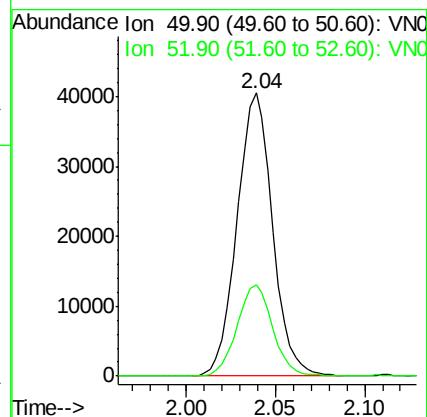
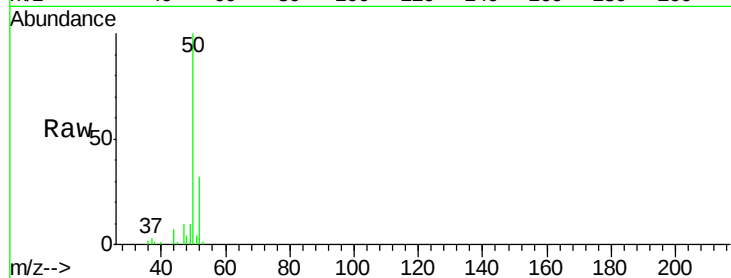
52 32.1 25.8 38.8

Manual Integrations

APPROVED

MMDadoda

10/5/2020 5:35:19 PM



#4

Vinyl Chloride

Concen: 17.744 ug/l

RT: 2.16 min Scan# 132

Delta R.T. 0.00 min

Lab File: VN063814.D

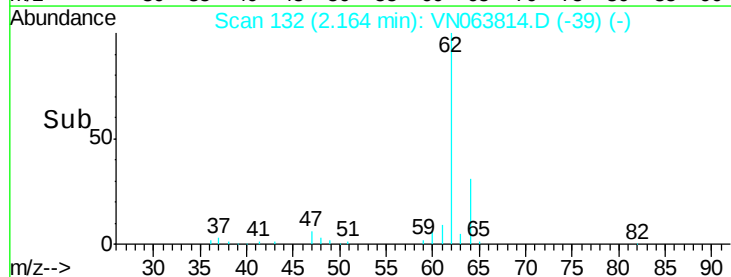
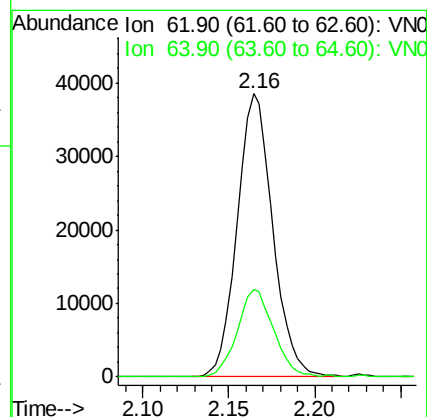
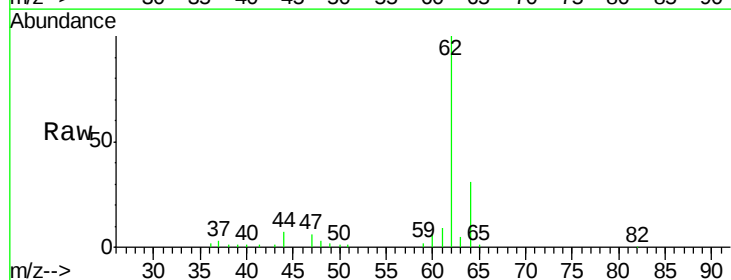
Acq: 2 Oct 2020 12:16

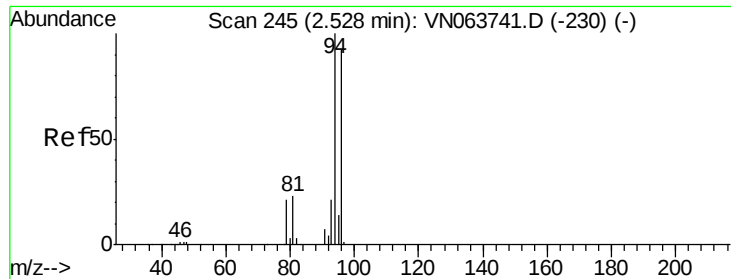
Tgt Ion: 62 Resp: 55561

Ion Ratio Lower Upper

62 100

64 31.1 25.6 38.4





#5

Bromomethane

Concen: 18.529 ug/l

RT: 2.53 min Scan# 246

Delta R.T. 0.00 min

Lab File: VN063814.D

Acq: 2 Oct 2020 12:16

Instrument :

MSVOA_N

ClientSampleId :

VN1002WBS01

Tot Ion: 94 Resp: 36494

Ion Ratio Lower Upper

94 100

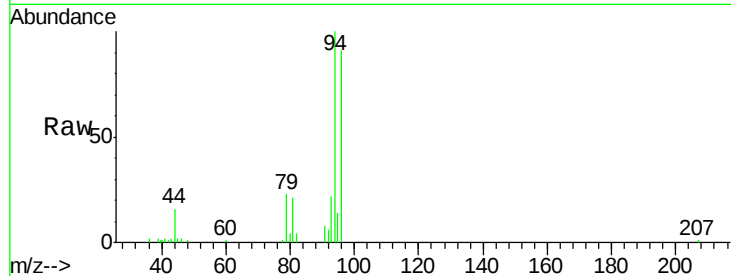
96 90.8 73.3 109.9

Manual Integrations

APPROVED

MMDadoda

10/5/2020 5:35:19 PM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

20000

15000

10000

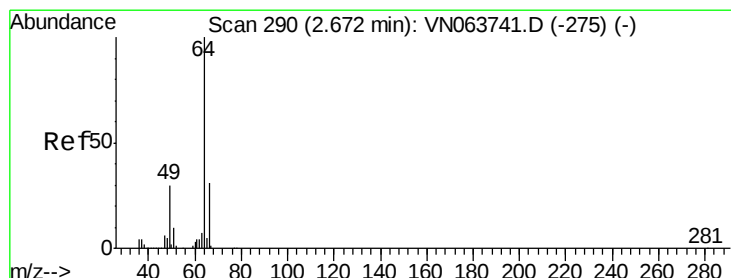
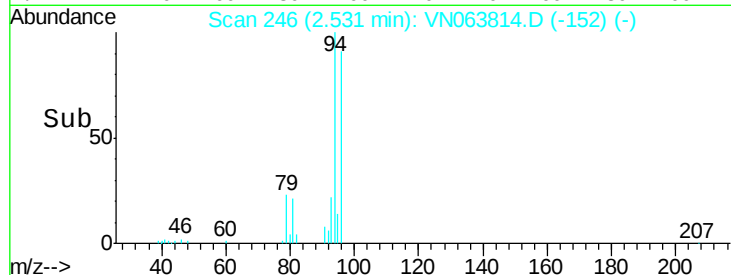
5000

0

Time-->

2.45 2.50 2.55 2.60

2.53



#6

Chloroethane

Concen: 19.124 ug/l

RT: 2.68 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN063814.D

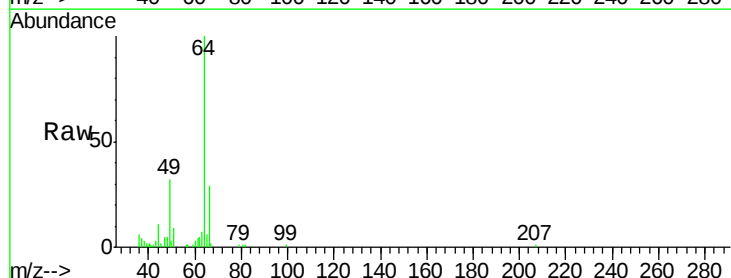
Acq: 2 Oct 2020 12:16

Tgt Ion: 64 Resp: 35782

Ion Ratio Lower Upper

64 100

66 29.4 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

20000

15000

10000

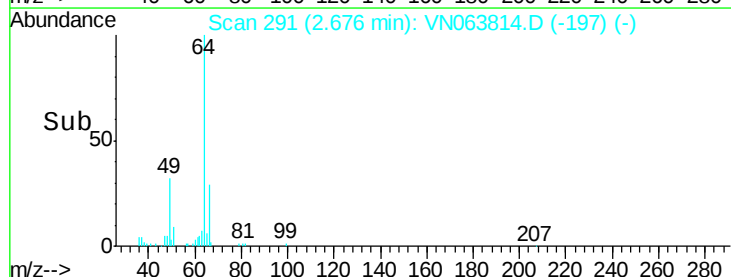
5000

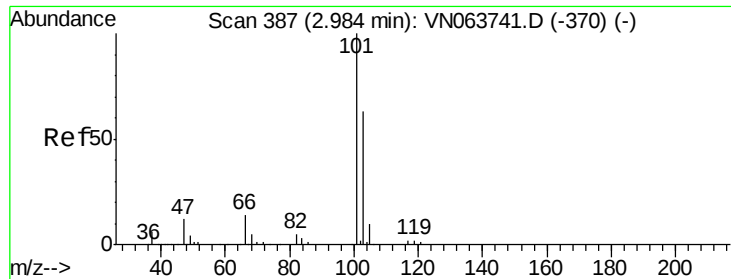
0

Time-->

2.60 2.65 2.70 2.75

2.68





#7

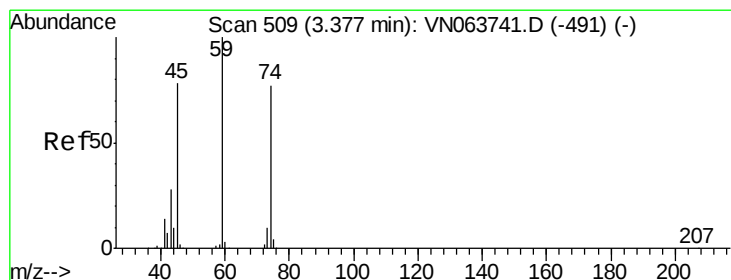
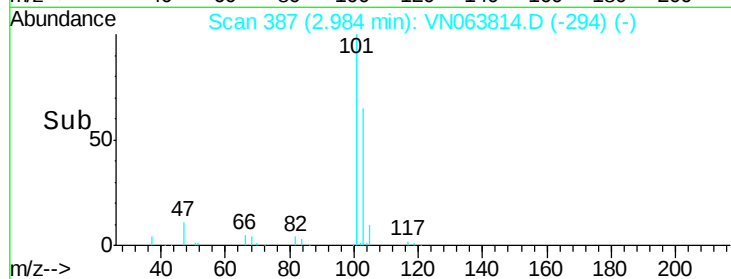
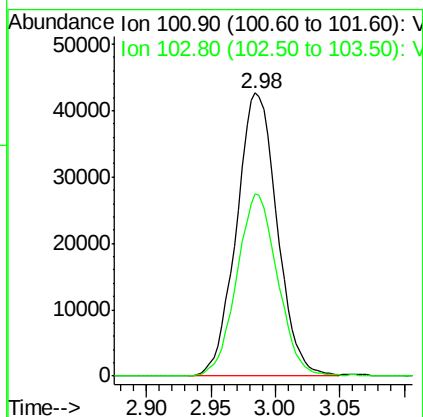
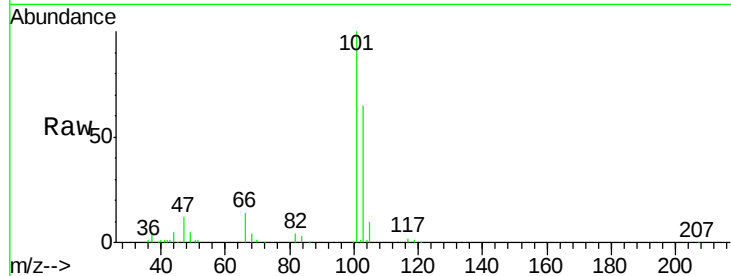
Trichlorofluoromethane
 Concen: 18.844 ug/l
 RT: 2.98 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: VN063814.D
 Acq: 2 Oct 2020 12:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1002WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		93582		
103	64.6	50.7	76.1		

Manual Integrations
 APPROVED

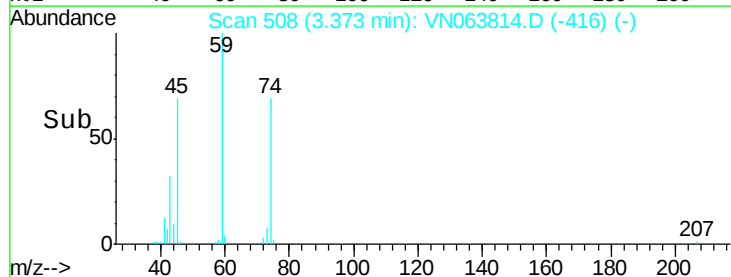
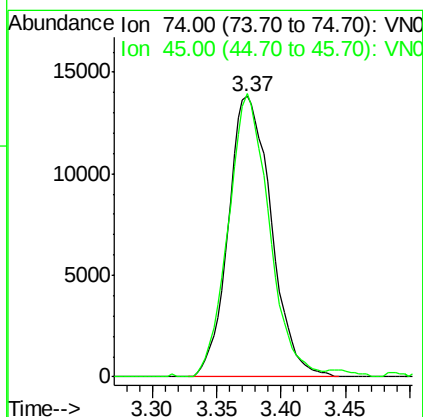
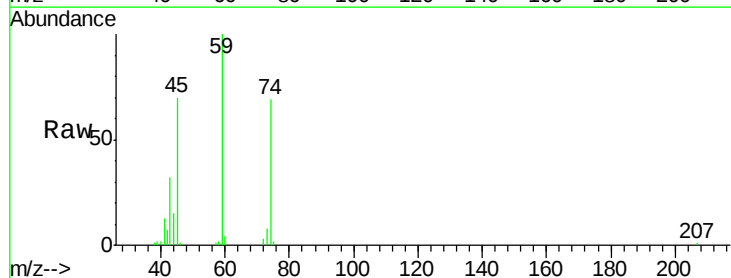
MMDadoda
 10/5/2020 5:35:19 PM

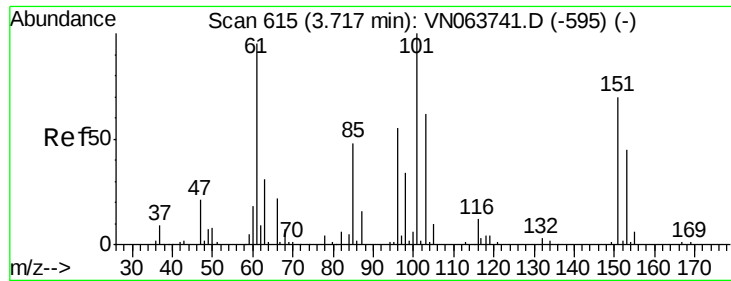


#8

Diethyl Ether
 Concen: 18.996 ug/l
 RT: 3.37 min Scan# 508
 Delta R.T. -0.00 min
 Lab File: VN063814.D
 Acq: 2 Oct 2020 12:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		31904		
45	96.0	50.9	152.8		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.123 ug/l

RT: 3.72 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN063814.D

Acq: 2 Oct 2020 12:16

Instrument :

MSVOA_N

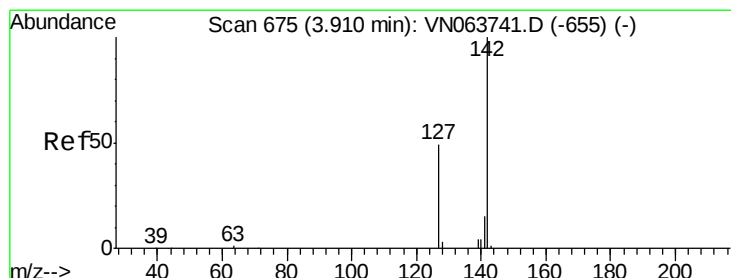
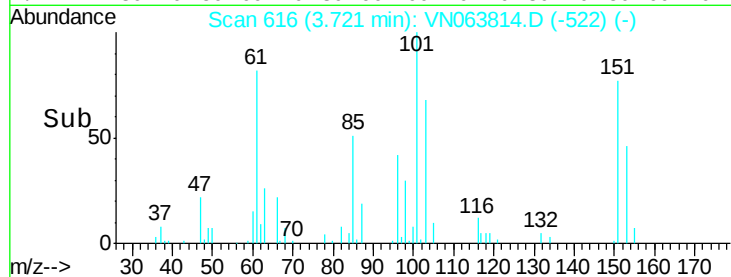
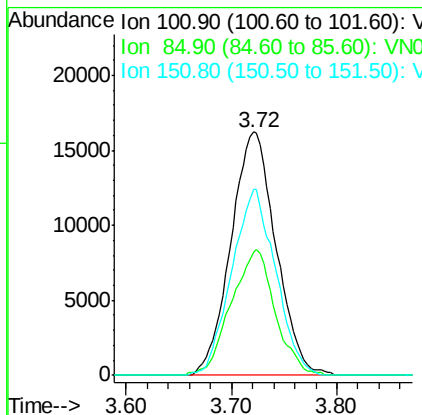
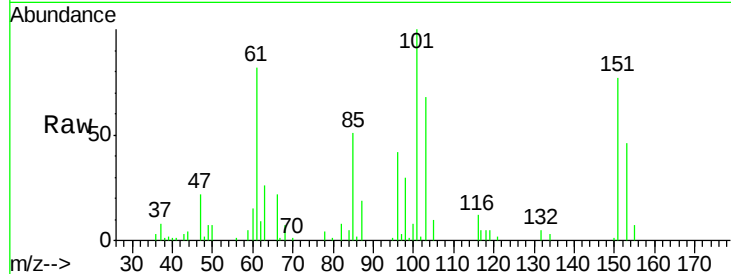
ClientSampleId :

VN1002WBS01

Tot Ion:	101	Resp:	48104
Ion Ratio	Lower	Upper	
101	100		
85	50.4	38.6	58.0
151	74.7	58.7	88.1

Manual Integrations
APPROVED

MMDadoda
10/5/2020 5:35:19 PM



#10

Methyl Iodide

Concen: 17.908 ug/l

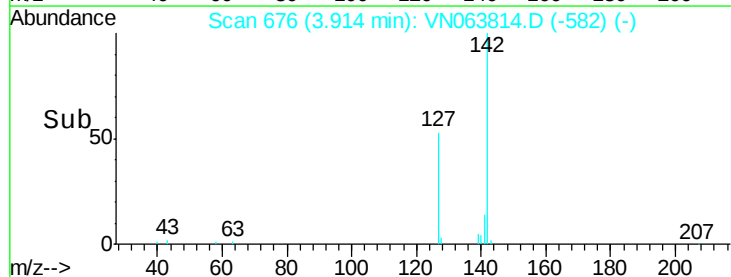
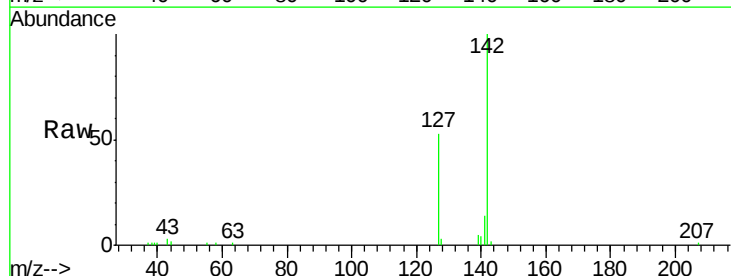
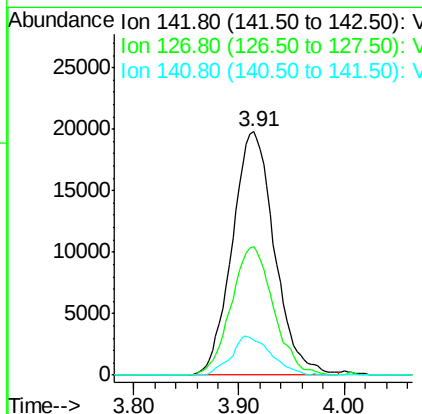
RT: 3.91 min Scan# 676

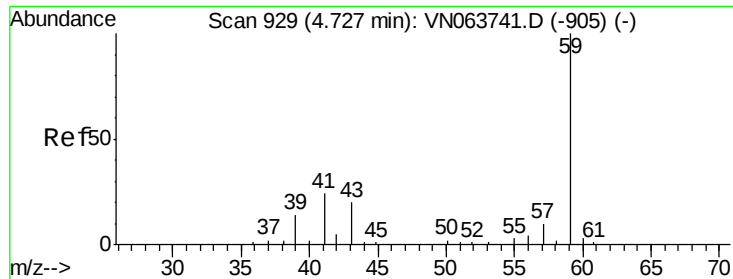
Delta R.T. 0.00 min

Lab File: VN063814.D

Acq: 2 Oct 2020 12:16

Tgt Ion:	142	Resp:	55193
Ion Ratio	Lower	Upper	
142	100		
127	52.7	40.5	60.7
141	15.0	11.7	17.5





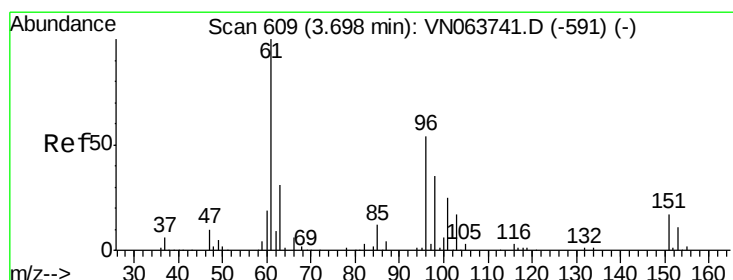
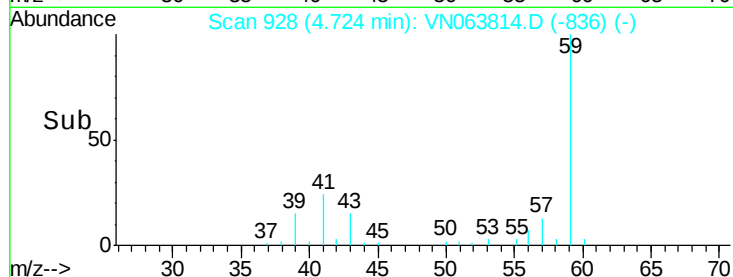
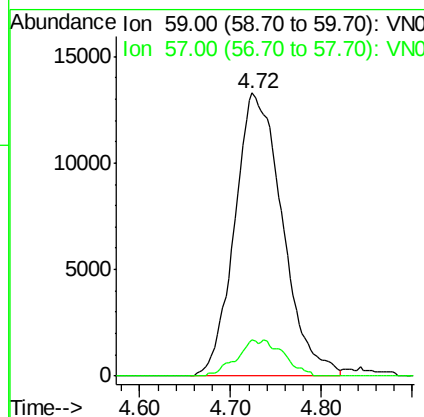
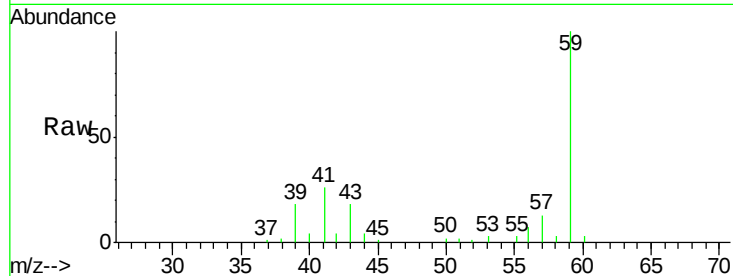
#11
Tert butyl alcohol
Concen: 105.310 ug/l
RT: 4.72 min Scan# 928
Delta R.T. -0.00 min
Lab File: VN063814.D
Acq: 2 Oct 2020 12:16

Instrument :
MSVOA_N
ClientSampleId :
VN1002WBS01

Tot Ion: 59 Resp: 48395
Ion Ratio Lower Upper
59 100
57 5.9 8.7 13.1#

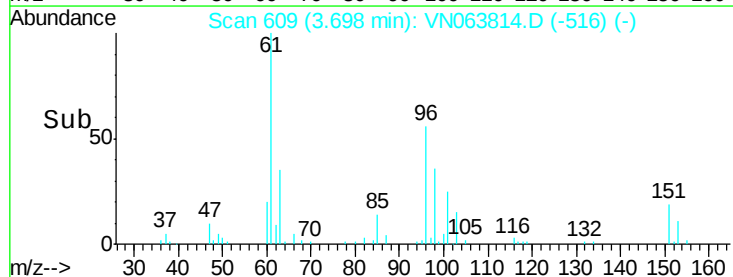
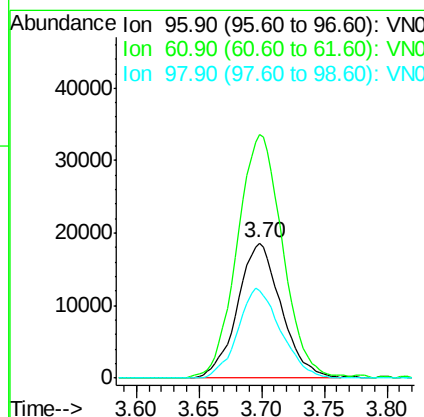
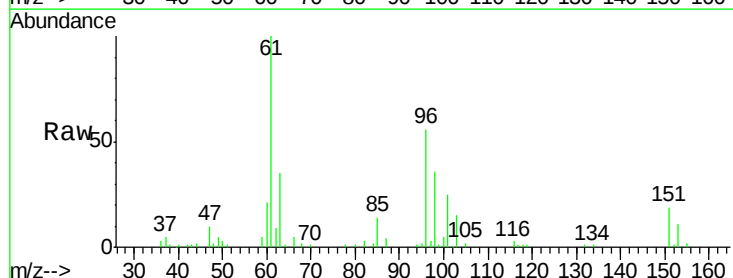
Manual Integrations
APPROVED

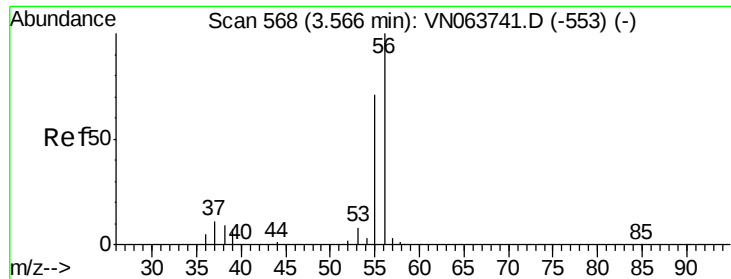
MMDadoda
10/5/2020 5:35:19 PM



#12
1,1-Dichloroethene
Concen: 17.800 ug/l
RT: 3.70 min Scan# 609
Delta R.T. 0.00 min
Lab File: VN063814.D
Acq: 2 Oct 2020 12:16

Tgt Ion: 96 Resp: 45160
Ion Ratio Lower Upper
96 100
61 178.7 147.7 221.5
98 64.9 51.9 77.9





#13

Acrolein

Concen: 91.191 ug/l

RT: 3.57 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN063814.D

Acq: 2 Oct 2020 12:16

Instrument :

MSVOA_N

ClientSampleId :

VN1002WBS01

Tot Ion: 56 Resp: 25720

Ion Ratio Lower Upper

56 100

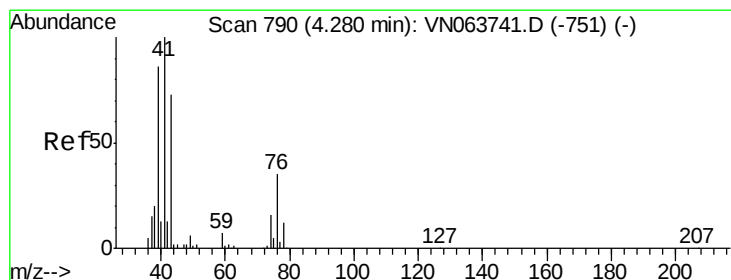
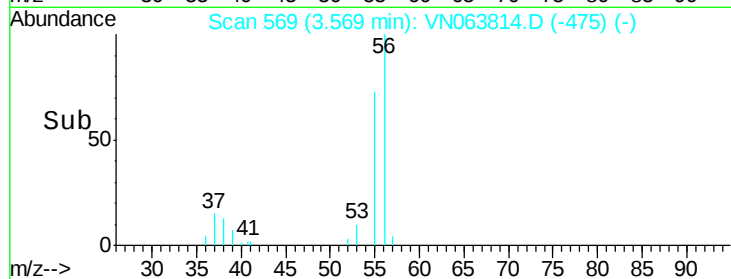
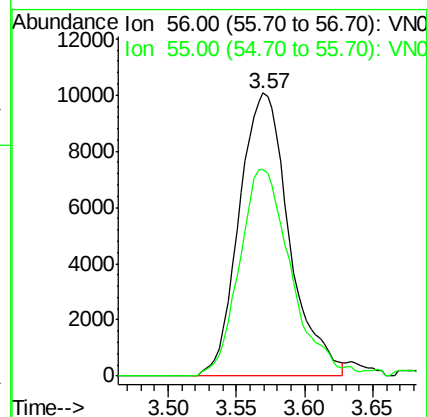
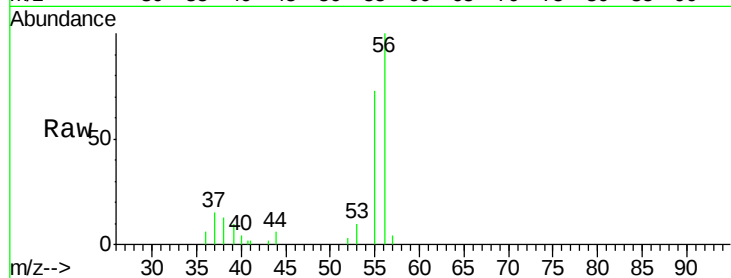
55 75.1 56.9 85.3

Manual Integrations

APPROVED

MMDadoda

10/5/2020 5:35:19 PM



#14

Allyl chloride

Concen: 19.434 ug/l

RT: 4.28 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN063814.D

Acq: 2 Oct 2020 12:16

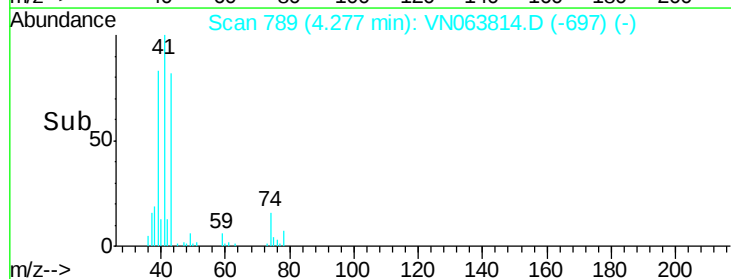
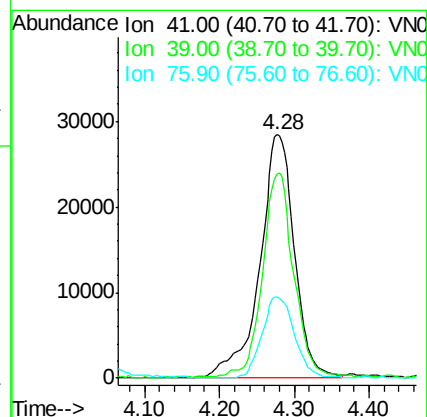
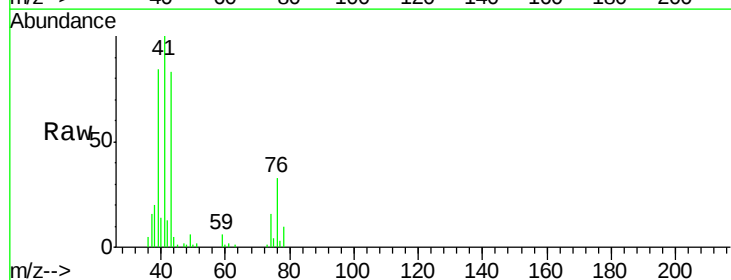
Tgt Ion: 41 Resp: 91602

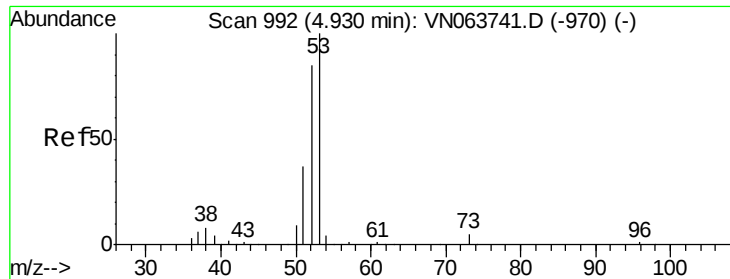
Ion Ratio Lower Upper

41 100

39 74.3 64.5 96.7

76 31.3 25.9 38.9





#15

Acrylonitrile

Concen: 97.499 ug/l

RT: 4.93 min Scan# 993

Delta R.T. 0.00 min

Lab File: VN063814.D

Acq: 2 Oct 2020 12:16

Instrument :

MSVOA_N

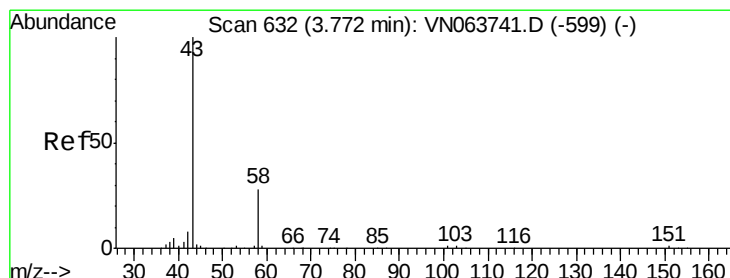
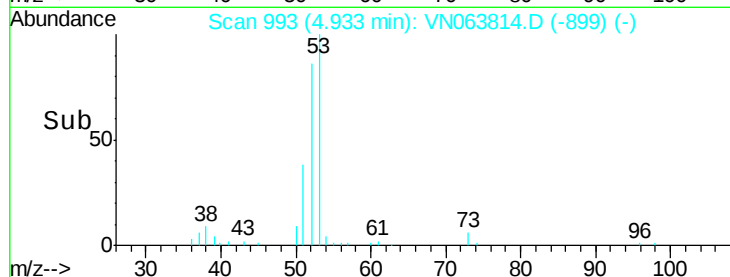
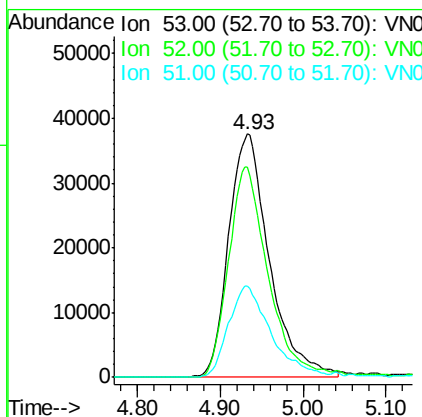
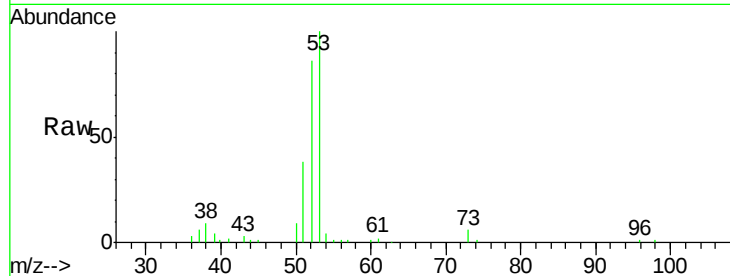
ClientSampleId :

VN1002WBS01

Tot Ion	53	Resp	128253
Ion	Ratio	Lower	Upper
53	100		
52	83.5	66.5	99.7
51	39.0	29.9	44.9

Manual Integrations
APPROVED

MMDadoda
10/5/2020 5:35:19 PM



#16

Acetone

Concen: 102.466 ug/l

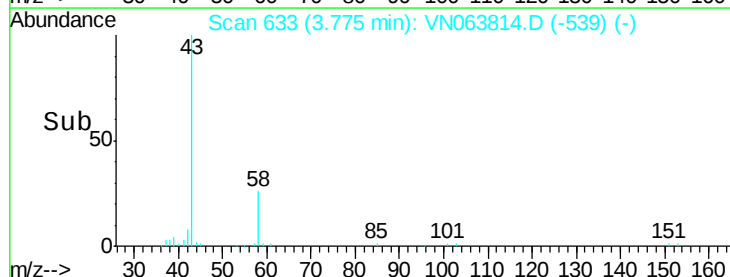
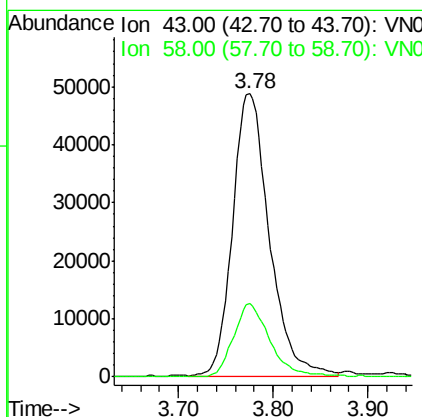
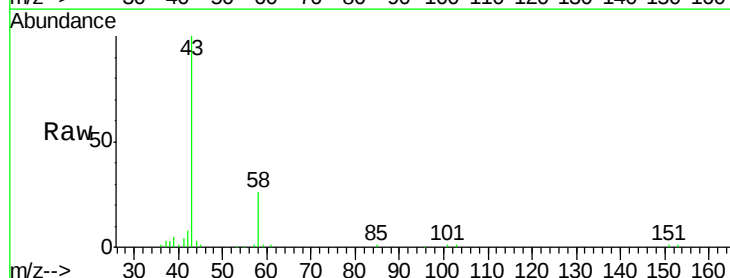
RT: 3.78 min Scan# 633

Delta R.T. 0.00 min

Lab File: VN063814.D

Acq: 2 Oct 2020 12:16

Tgt Ion	43	Resp	131293
Ion	Ratio	Lower	Upper
43	100		
58	25.9	22.3	33.5





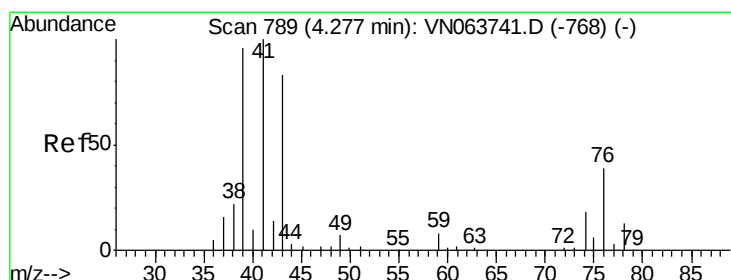
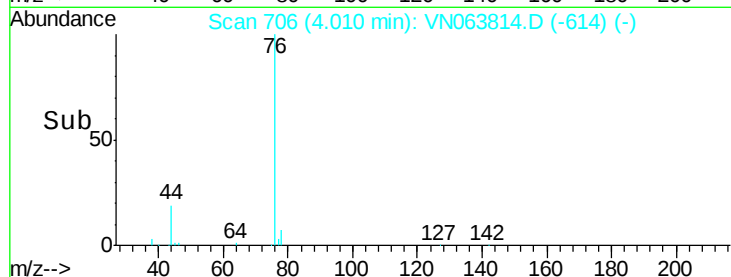
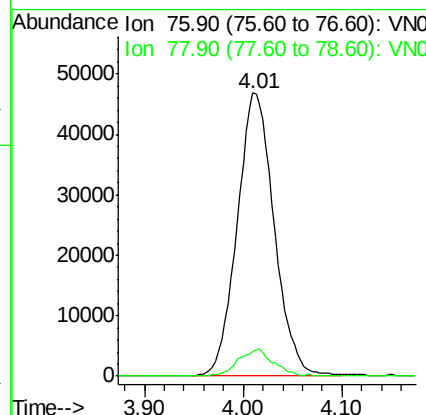
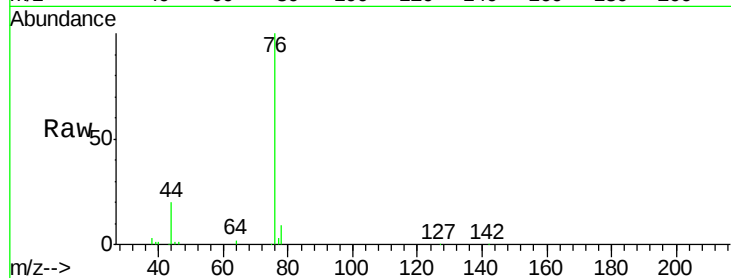
#17
Carbon Disulfide
Concen: 18.259 ug/l
RT: 4.01 min Scan# 706
Delta R.T. -0.00 min
Lab File: VN063814.D
Acq: 2 Oct 2020 12:16

Instrument :
MSVOA_N
ClientSampleId :
VN1002WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.0	10.4

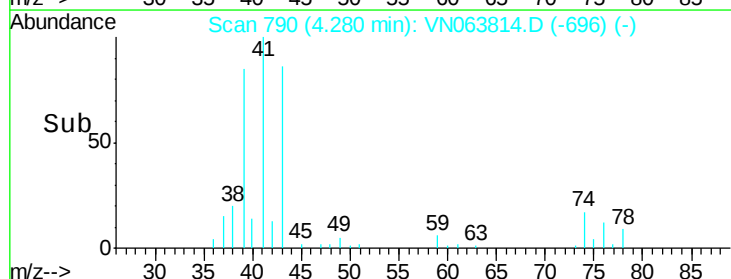
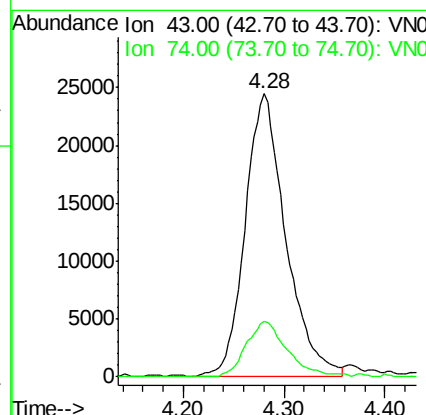
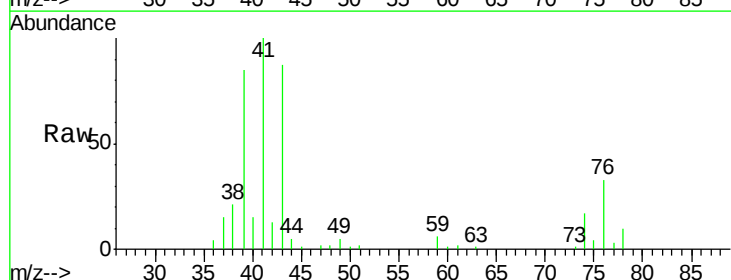
Manual Integrations
APPROVED

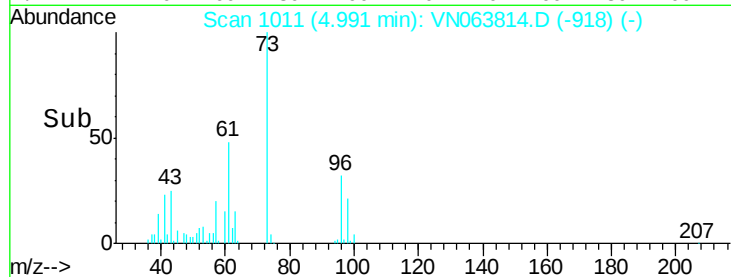
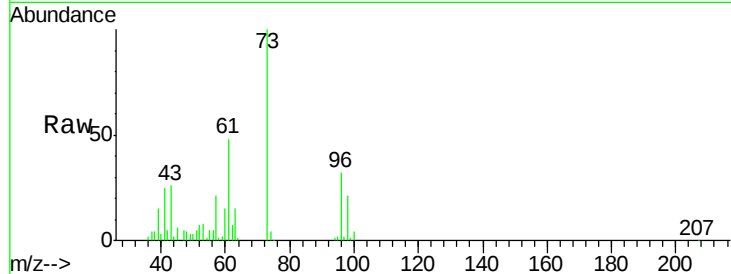
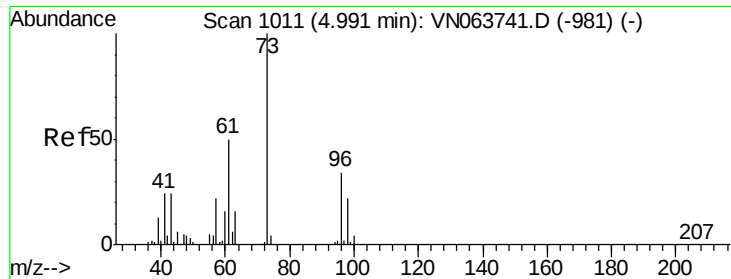
MMDadoda
10/5/2020 5:35:19 PM



#18
Methyl Acetate
Concen: 20.601 ug/l
RT: 4.28 min Scan# 790
Delta R.T. 0.00 min
Lab File: VN063814.D
Acq: 2 Oct 2020 12:16

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.5	17.4	26.2





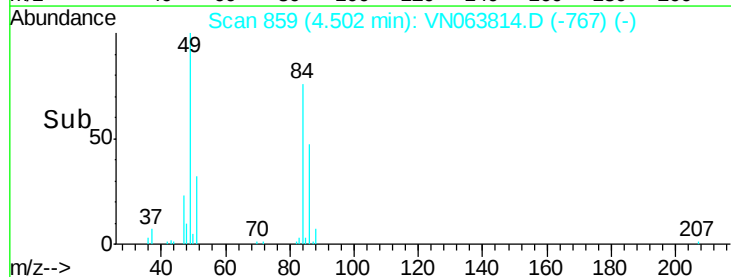
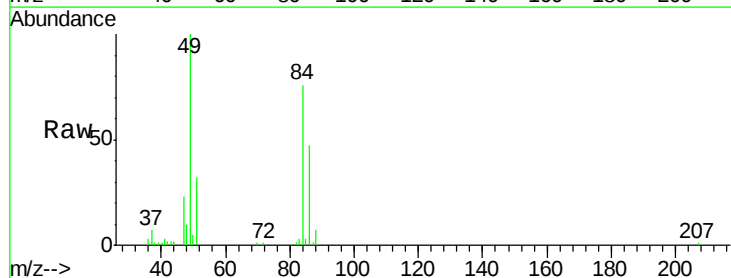
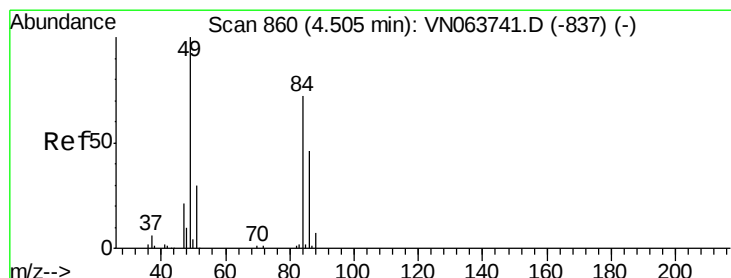
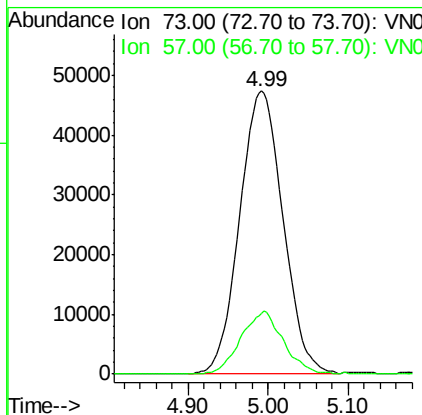
#19
Methvl tert-butvl Ether
Concen: 19.014 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN063814.D
Acq: 2 Oct 2020 12:16

Tot Ion: 73 Resp: 175266
Ion Ratio Lower Upper
73 100
57 21.4 17.6 26.4

Instrument :
MSVOA_N
ClientSampled :
VN1002WBS01

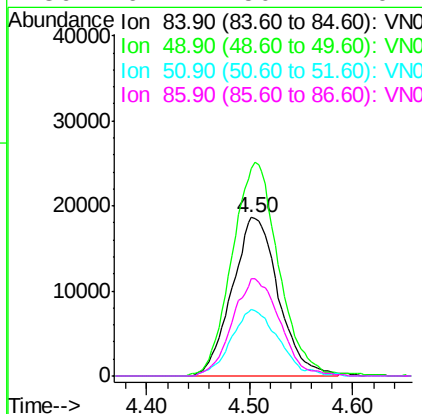
Manual Integrations
APPROVED

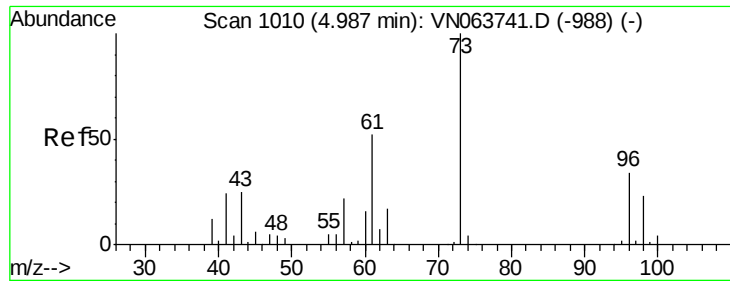
MMDadoda
10/5/2020 5:35:19 PM



#20
Methylene Chloride
Concen: 19.893 ug/l
RT: 4.50 min Scan# 859
Delta R.T. -0.00 min
Lab File: VN063814.D
Acq: 2 Oct 2020 12:16

Tgt Ion: 84 Resp: 58209
Ion Ratio Lower Upper
84 100
49 130.1 110.4 165.6
51 41.9 33.3 49.9
86 61.1 50.7 76.1





#21

trans-1,2-Dichloroethene

Concen: 17.341 ug/l

RT: 4.99 min Scan# 1012

Delta R.T. 0.01 min

Lab File: VN063814.D

Acq: 2 Oct 2020 12:16

Instrument :

MSVOA_N

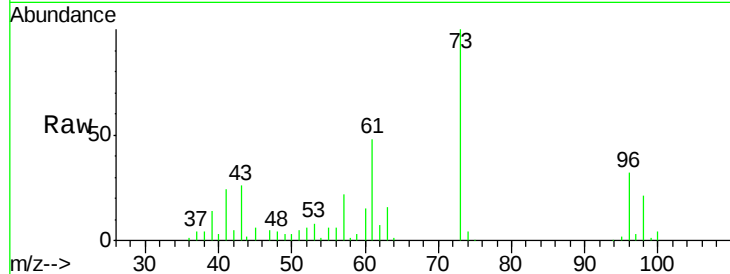
ClientSampleId :

VN1002WBS01

Tot Ion:	96	Resp:	49280
Ion	Ratio	Lower	Upper
96	100		
61	146.7	120.2	180.2
98	64.7	52.6	79.0

Manual Integrations
APPROVED

MMDadoda
10/5/2020 5:35:19 PM

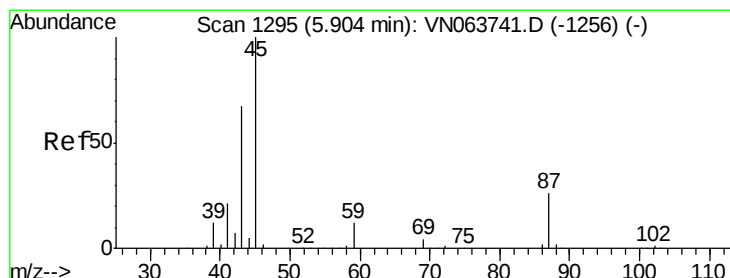
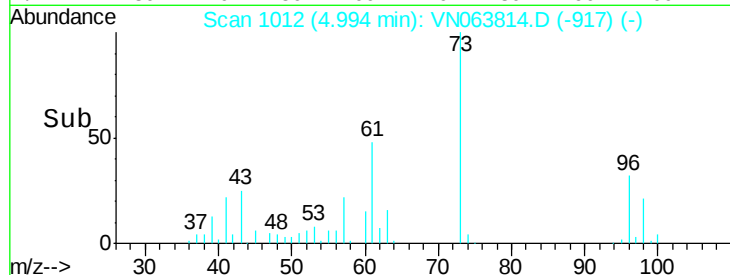
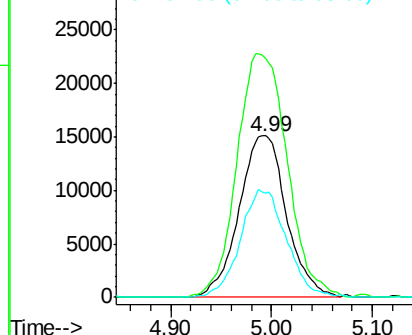


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 19.480 ug/l

RT: 5.90 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VN063814.D

Acq: 2 Oct 2020 12:16

Tgt Ion:	45	Resp:	188910
Ion	Ratio	Lower	Upper
45	100		
43	67.9	53.7	80.5
87	26.5	21.1	31.7
59	10.1	9.2	13.8

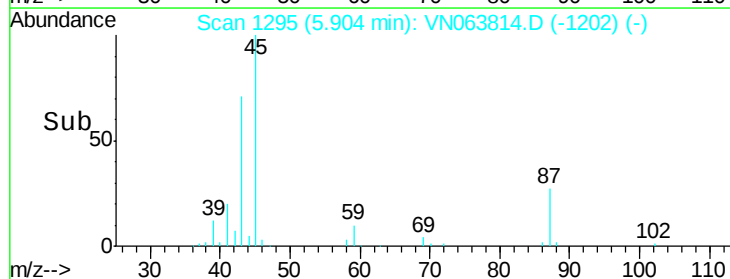
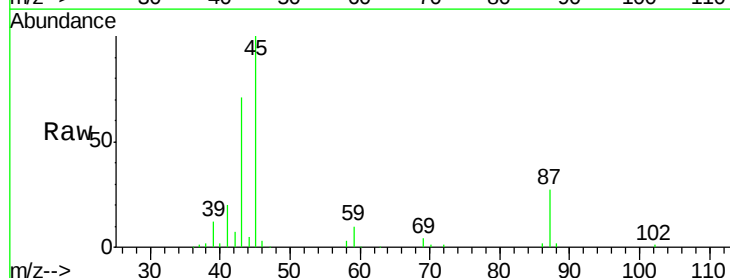
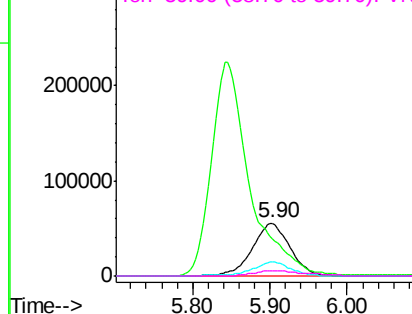
Abundance

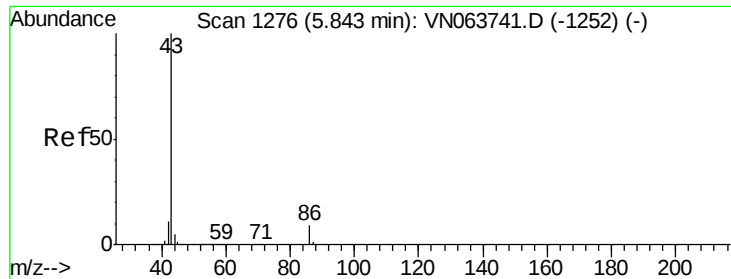
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 96.884 ug/l

RT: 5.84 min Scan# 1276

Delta R.T. 0.00 min

Lab File: VN063814.D

Acq: 2 Oct 2020 12:16

Instrument :

MSVOA_N

ClientSampled :

VN1002WBS01

Tot Ion: 43 Resp: 778291

Ion Ratio Lower Upper

43 100

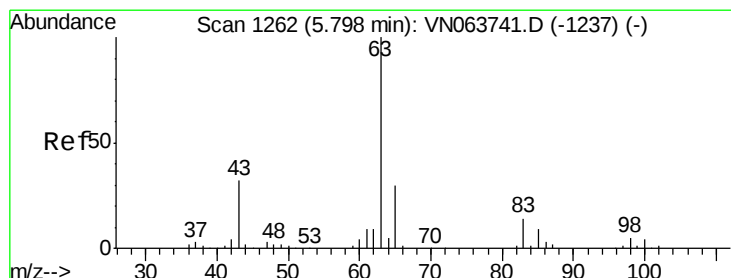
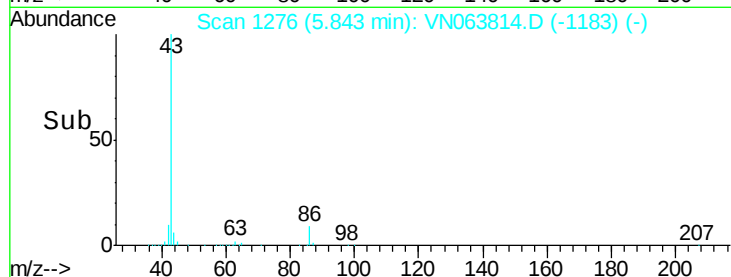
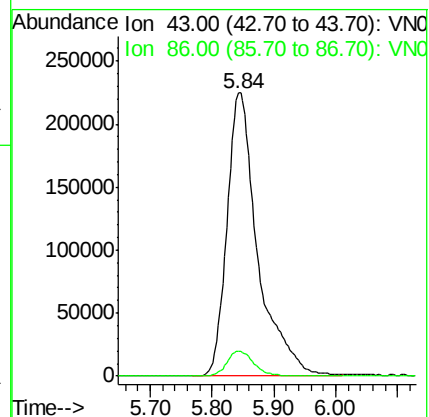
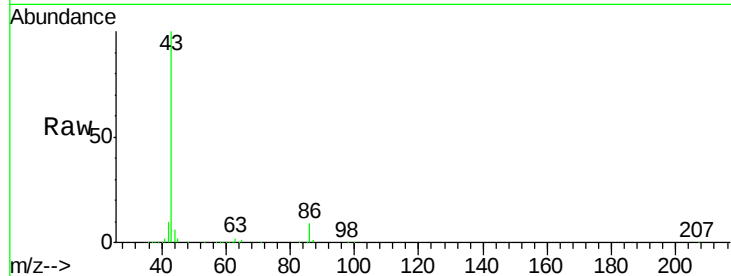
86 8.7 7.3 10.9

Manual Integrations

APPROVED

MMDadoda

10/5/2020 5:35:19 PM



#24

1,1-Dichloroethane

Concen: 19.097 ug/l

RT: 5.80 min Scan# 1263

Delta R.T. 0.00 min

Lab File: VN063814.D

Acq: 2 Oct 2020 12:16

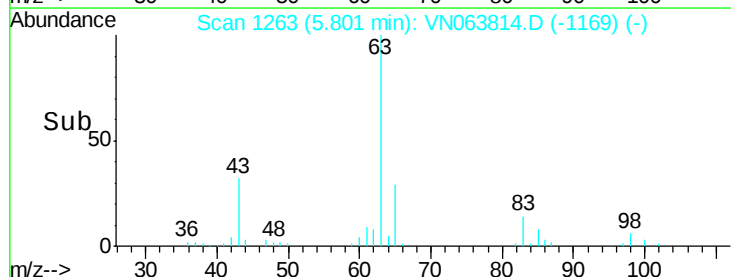
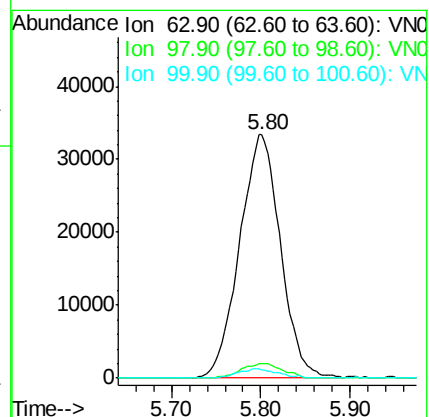
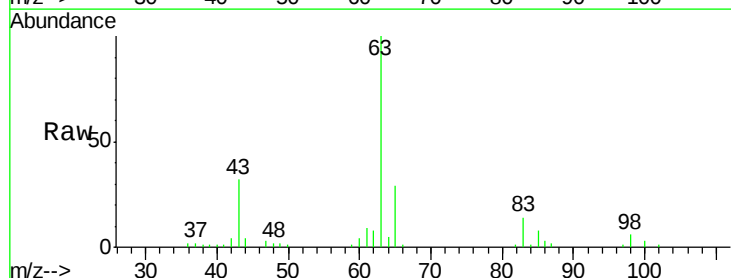
Tgt Ion: 63 Resp: 105890

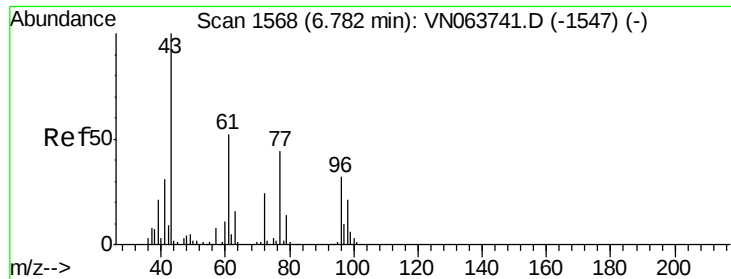
Ion Ratio Lower Upper

63 100

98 6.1 2.7 8.1

100 3.4 1.9 5.7





#25

2-Butanone

Concen: 102.242 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN063814.D

Acq: 2 Oct 2020 12:16

Instrument :

MSVOA_N

ClientSampleId :

VN1002WBS01

Tot Ion: 43 Resp: 185735

Ion Ratio Lower Upper

43 100

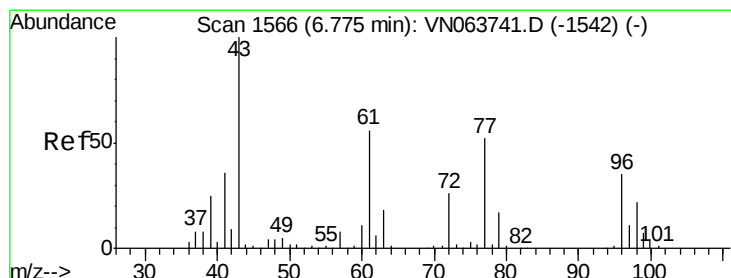
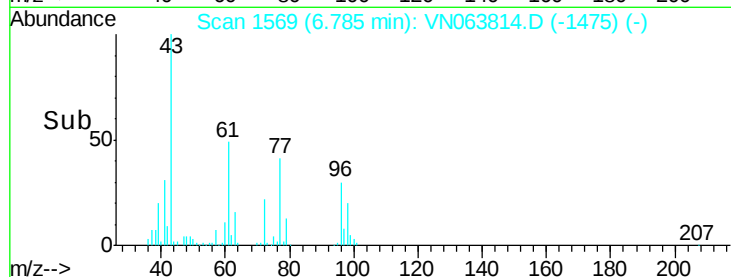
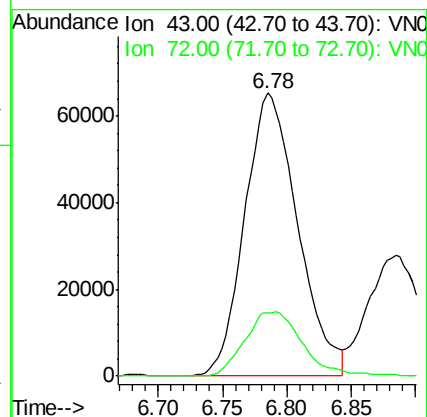
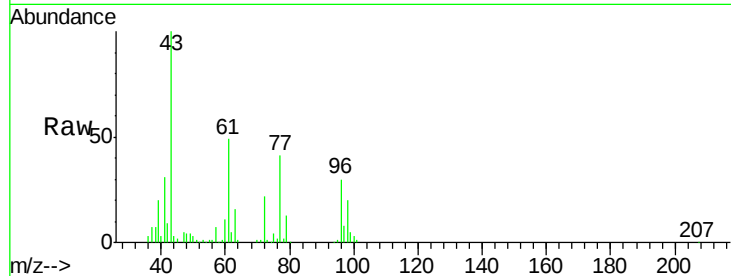
72 22.4 19.3 28.9

Manual Integrations

APPROVED

MMDadoda

10/5/2020 5:35:19 PM



#26

2,2-Dichloropropane

Concen: 18.460 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN063814.D

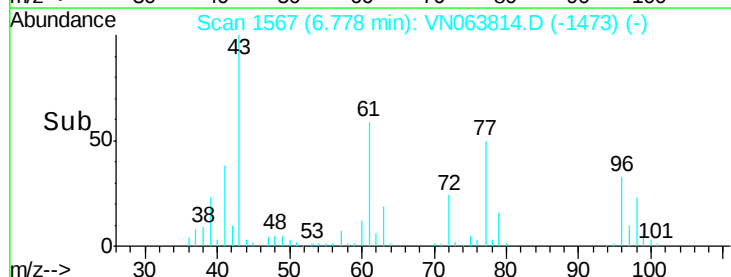
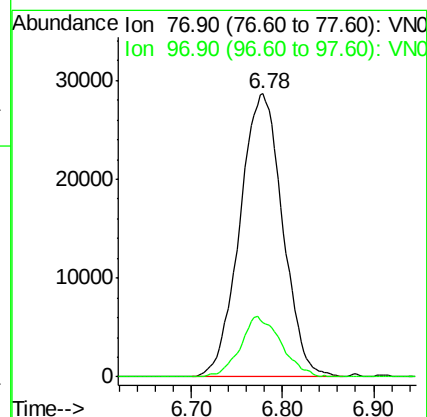
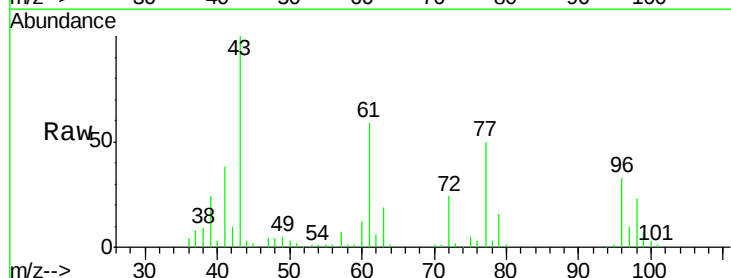
Acq: 2 Oct 2020 12:16

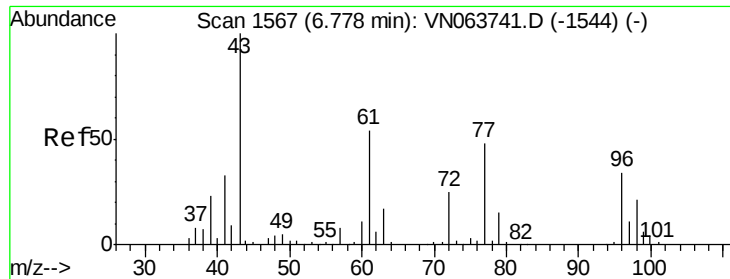
Tgt Ion: 77 Resp: 93737

Ion Ratio Lower Upper

77 100

97 20.2 10.8 32.3





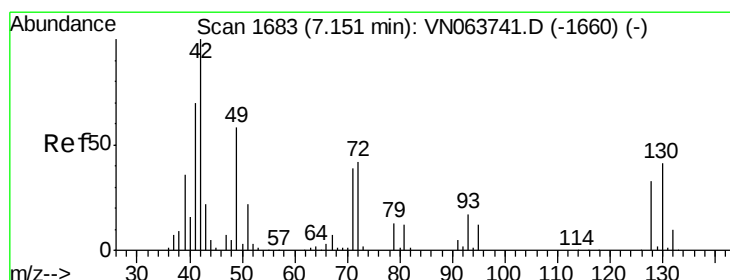
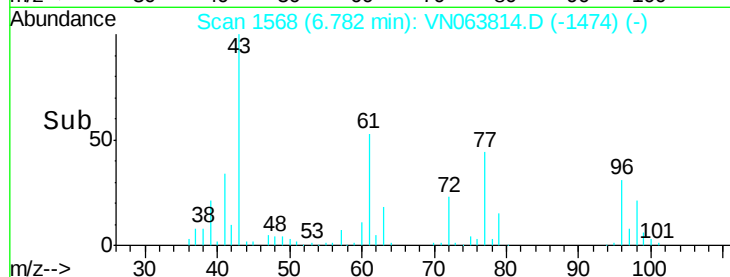
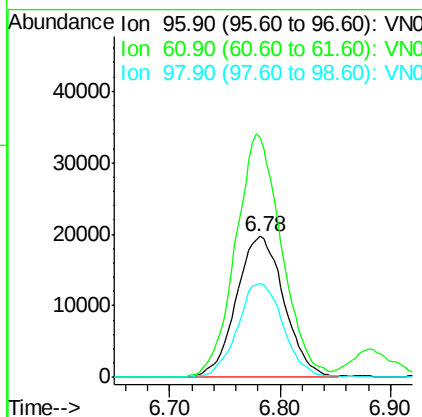
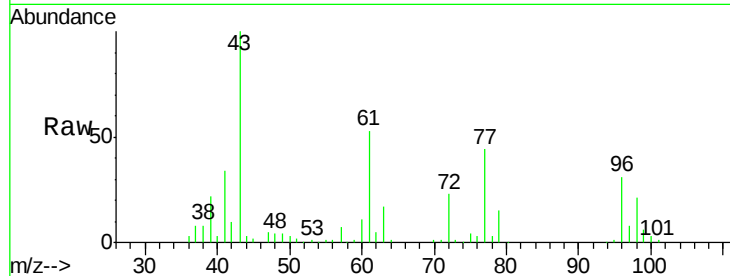
#27
 cis-1,2-Dichloroethene
 Concen: 18.059 ug/l
 RT: 6.78 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: VN063814.D
 Acq: 2 Oct 2020 12:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1002WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	166.4	0.0	321.2
98	64.2	0.0	124.4

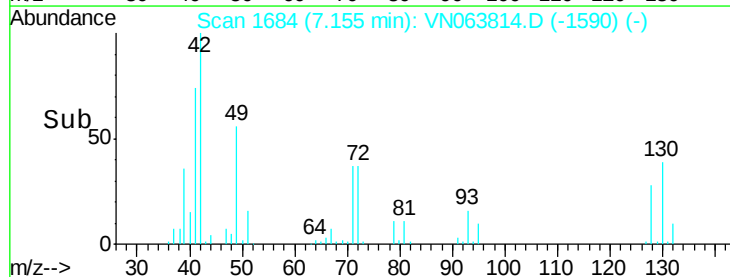
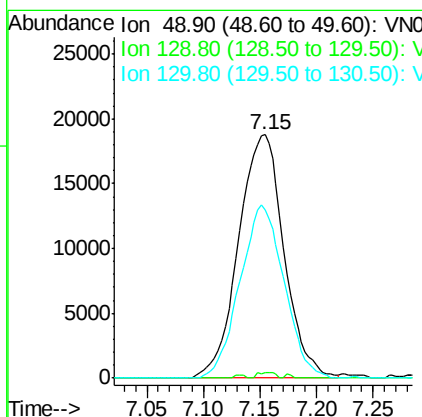
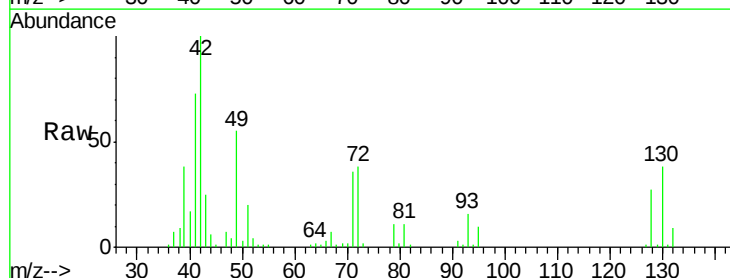
Manual Integrations
 APPROVED

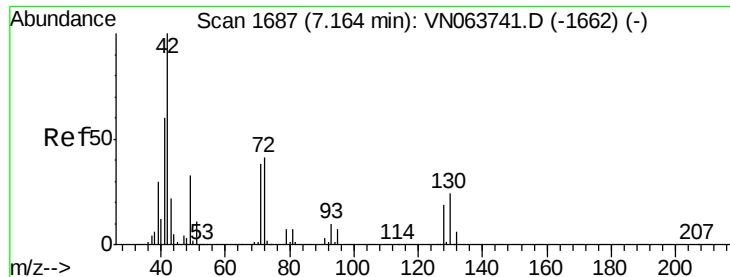
MMDadoda
 10/5/2020 5:35:19 PM



#28
 Bromochloromethane
 Concen: 19.098 ug/l
 RT: 7.15 min Scan# 1684
 Delta R.T. 0.00 min
 Lab File: VN063814.D
 Acq: 2 Oct 2020 12:16

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	4.8
130	69.1	55.6	83.4





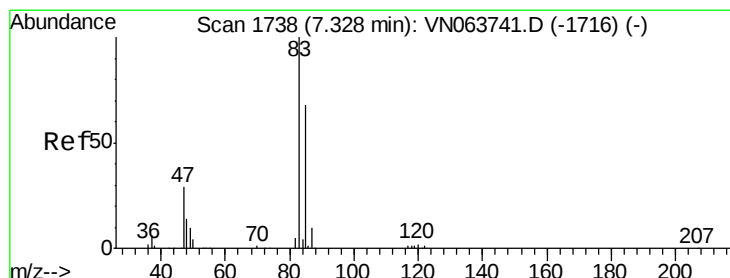
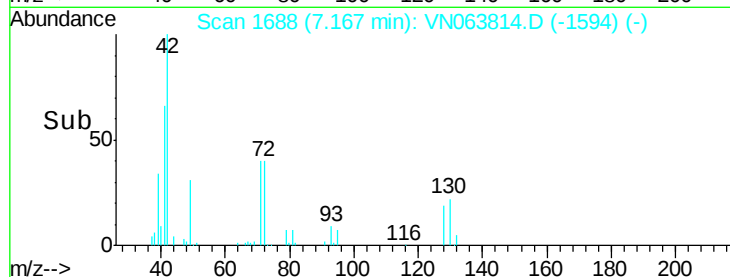
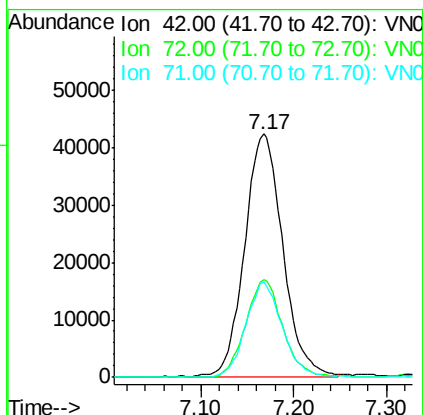
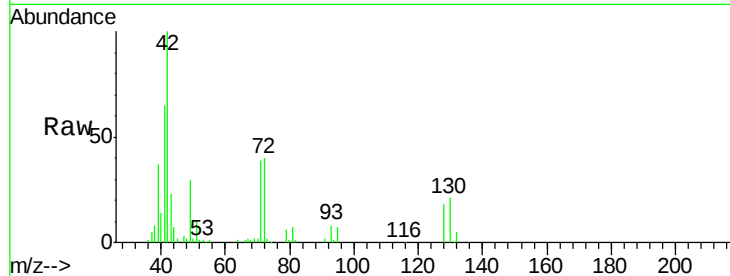
#29
Tetrahydrofuran
Concen: 100.004 ug/l
RT: 7.17 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VN063814.D
Acq: 2 Oct 2020 12:16

Instrument :
MSVOA_N
ClientSampleId :
VN1002WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.9	32.8	49.2
71	37.3	30.6	45.8

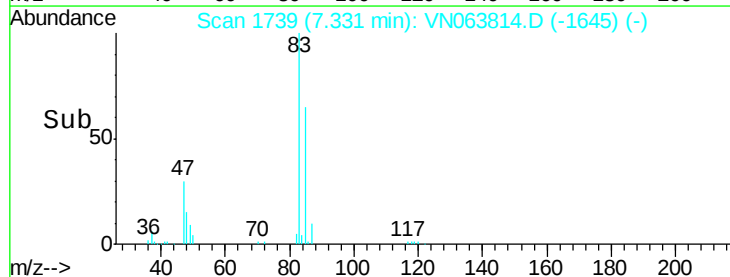
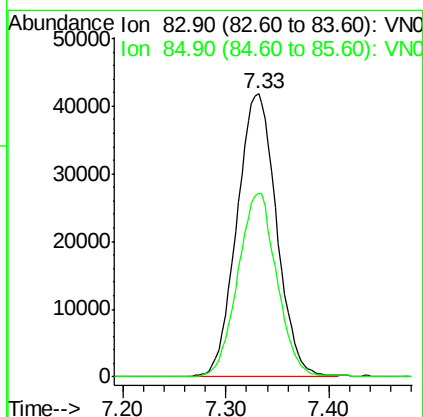
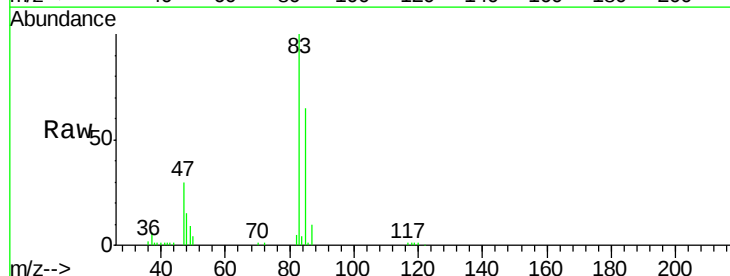
Manual Integrations
APPROVED

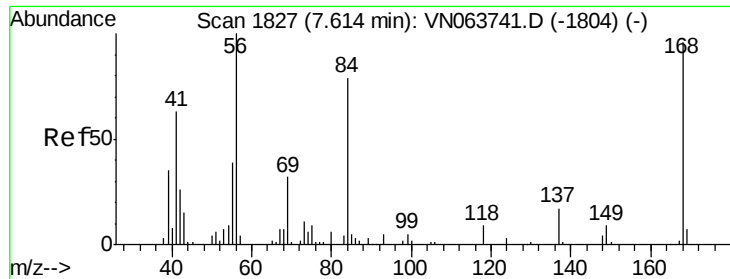
MMDadoda
10/5/2020 5:35:19 PM



#30
Chloroform
Concen: 19.308 ug/l
RT: 7.33 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VN063814.D
Acq: 2 Oct 2020 12:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	54.6	82.0





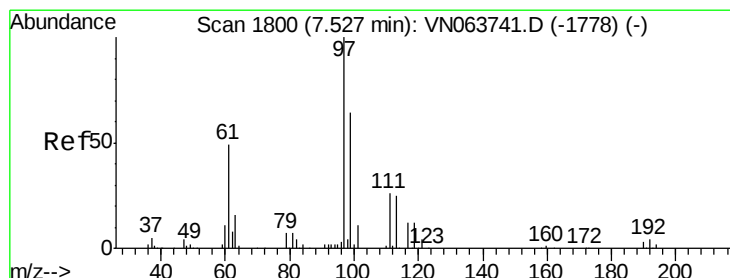
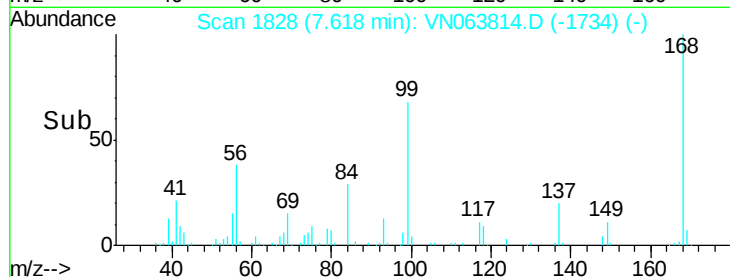
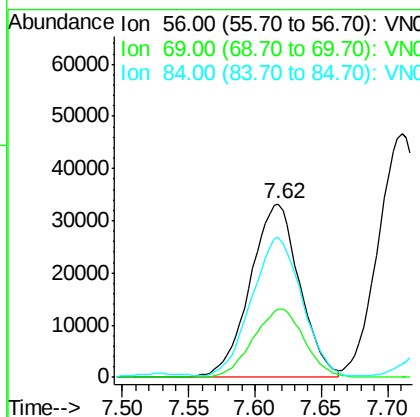
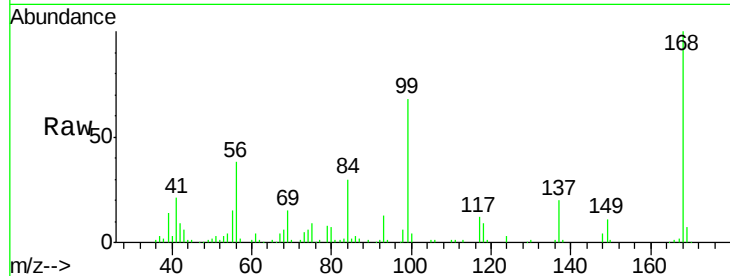
#31
Cyclohexane
Concen: 17.903 ug/l
RT: 7.62 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN063814.D
Acq: 2 Oct 2020 12:16

Instrument :
MSVOA_N
ClientSampled :
VN1002WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	39.3	25.4	38.2#
84	79.0	63.3	94.9

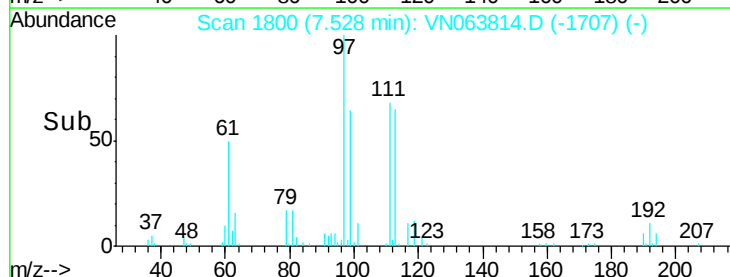
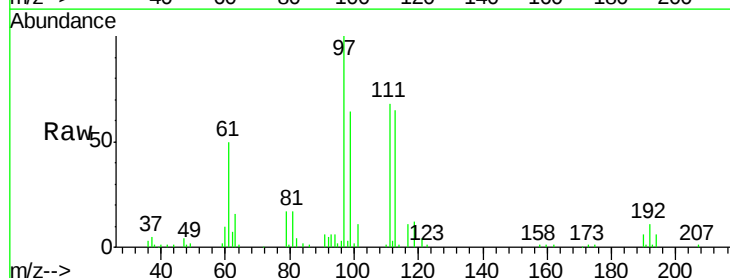
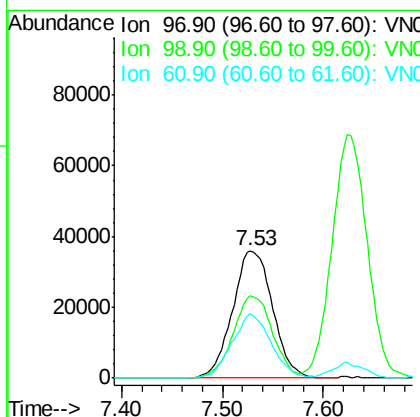
Manual Integrations
APPROVED

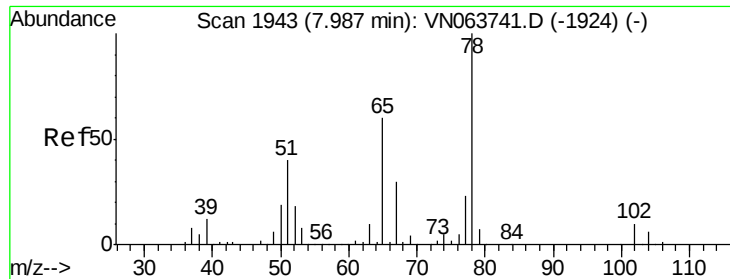
MMDadoda
10/5/2020 5:35:19 PM



#32
1,1,1-Trichloroethane
Concen: 18.969 ug/l
RT: 7.53 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VN063814.D
Acq: 2 Oct 2020 12:16

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.5	51.0	76.6
61	49.3	38.7	58.1





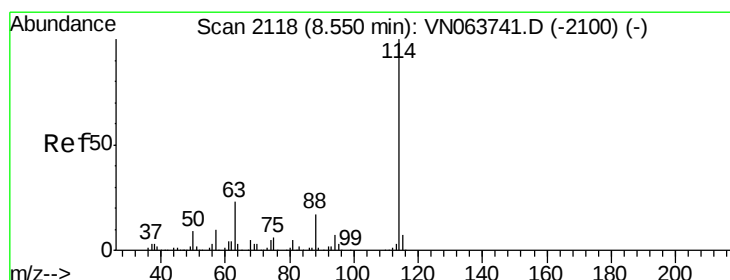
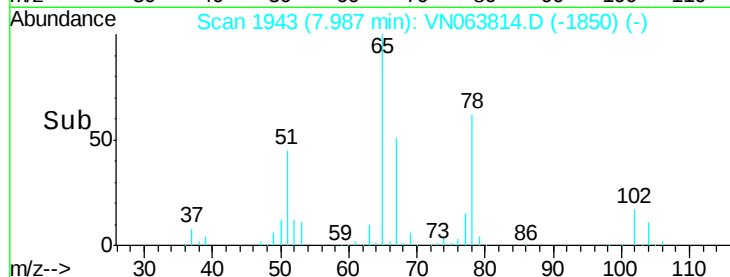
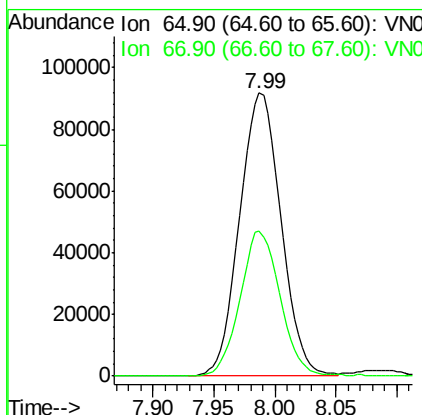
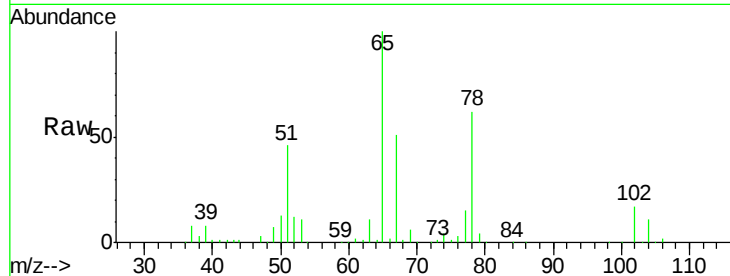
#33
 1,2-Dichloroethane-d4
 Concen: 51.776 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN063814.D
 Acq: 2 Oct 2020 12:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1002WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	215517		
67	49.4	0.0	99.6	

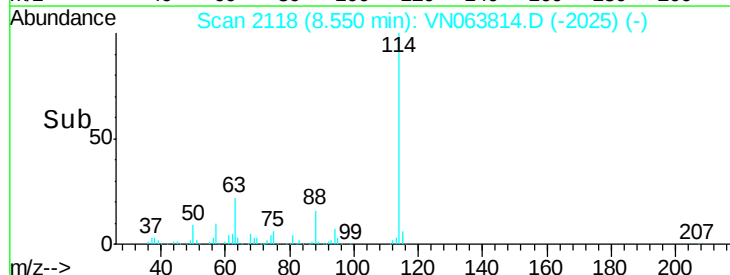
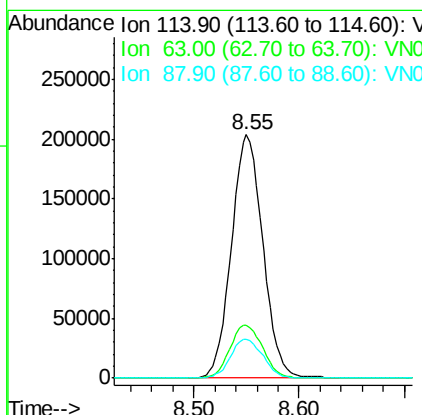
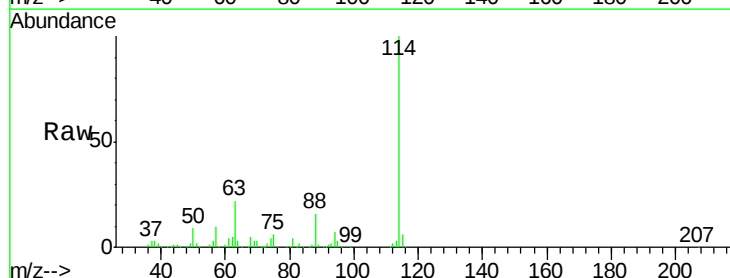
Manual Integrations
 APPROVED

MMDadoda
 10/5/2020 5:35:19 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN063814.D
 Acq: 2 Oct 2020 12:16

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	421655		
63	21.5	0.0	45.0	
88	16.2	0.0	34.0	





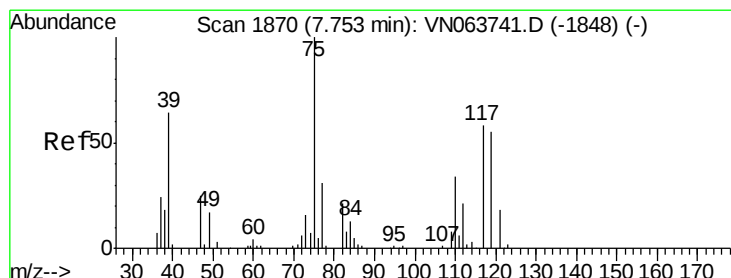
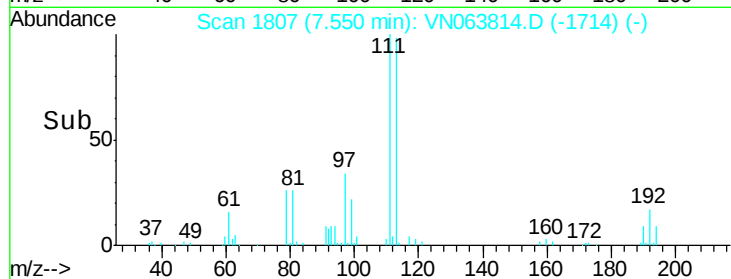
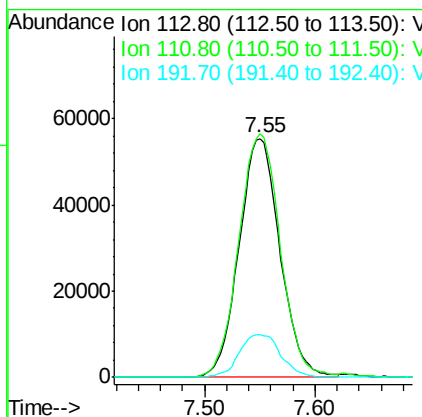
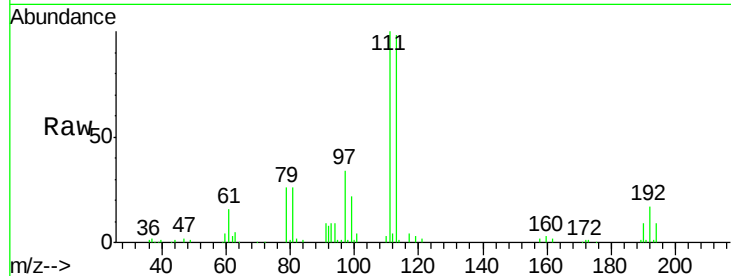
#35
Dibromofluoromethane
Concen: 48.659 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN063814.D
Acq: 2 Oct 2020 12:16

Instrument :
MSVOA_N
ClientSampleId :
VN1002WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	142366		
111	103.5	81.8	122.8	
192	18.1	14.2	21.2	

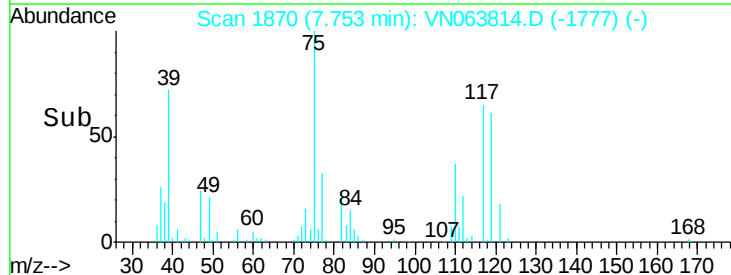
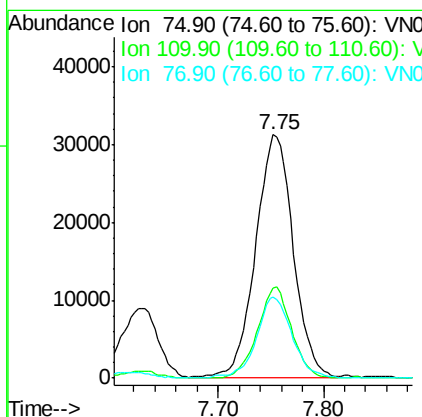
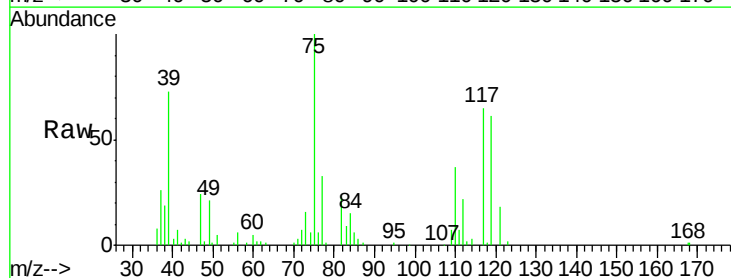
Manual Integrations
APPROVED

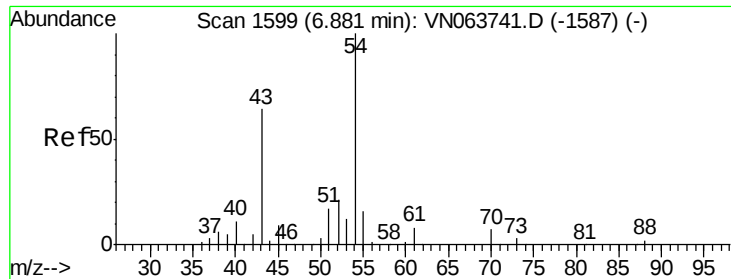
MMDadoda
10/5/2020 5:35:19 PM



#36
1,1-Dichloropropene
Concen: 18.262 ug/l
RT: 7.75 min Scan# 1870
Delta R.T. 0.00 min
Lab File: VN063814.D
Acq: 2 Oct 2020 12:16

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	78012		
110	33.6	16.9	50.6	
77	31.4	24.5	36.7	





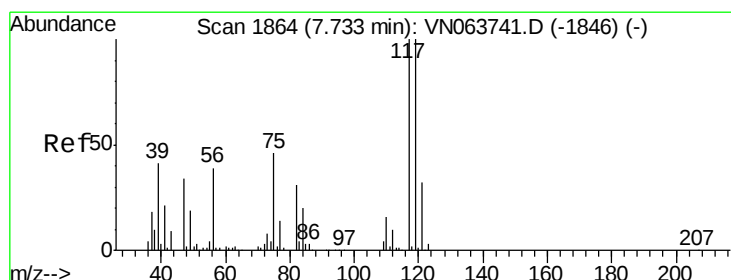
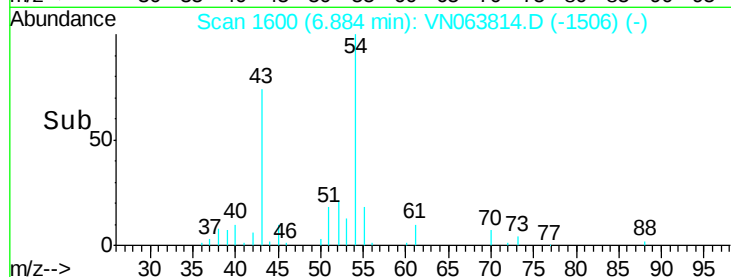
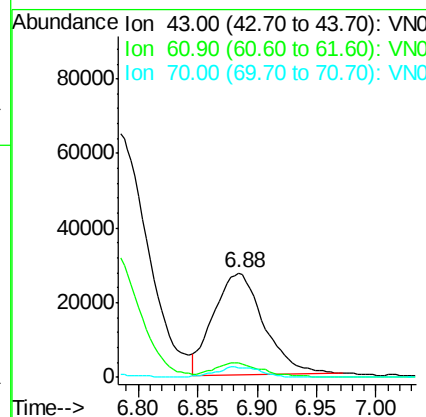
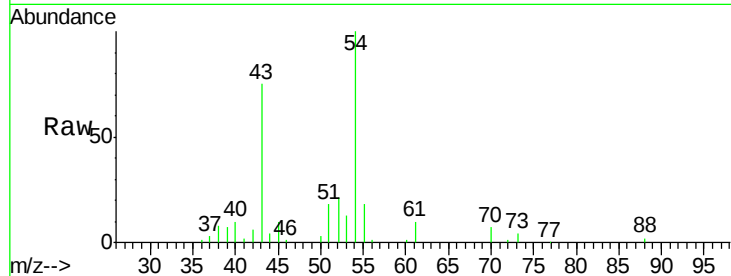
#37
Ethyl Acetate
Concen: 18.900 ug/l
RT: 6.88 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VN063814.D
Acq: 2 Oct 2020 12:16

Instrument :
MSVOA_N
ClientSampled :
VN1002WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	10.4	15.6
70	9.2	7.3	10.9

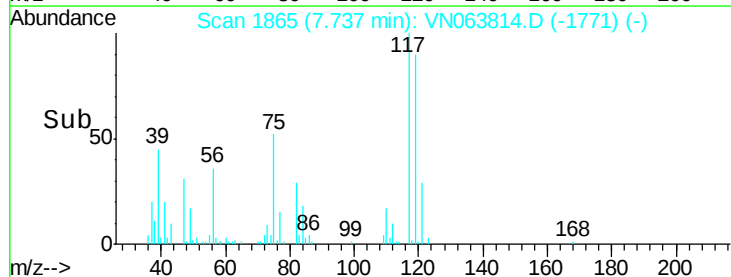
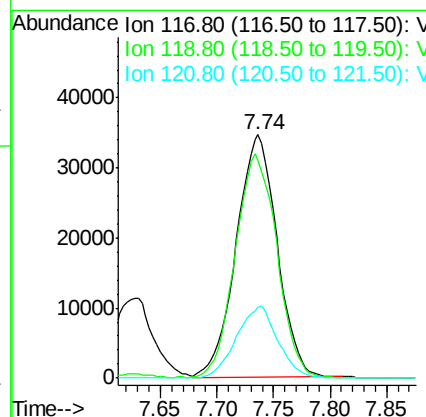
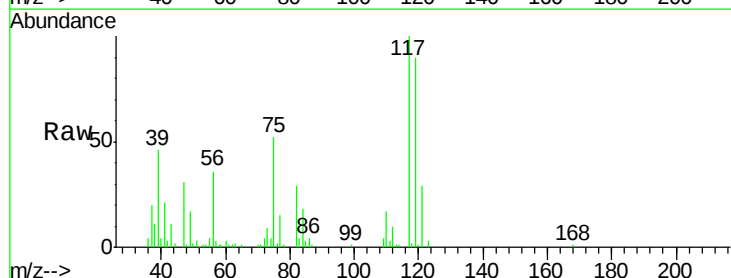
Manual Integrations
APPROVED

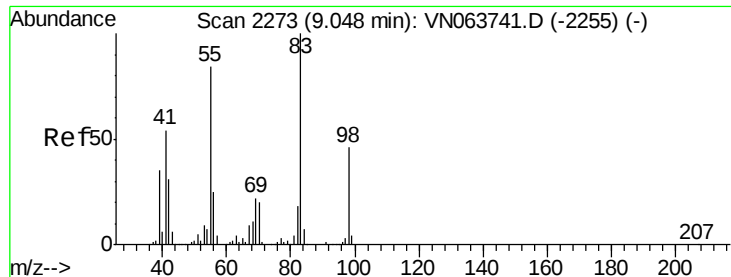
MMDadoda
10/5/2020 5:35:19 PM



#38
Carbon Tetrachloride
Concen: 18.203 ug/l
RT: 7.74 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN063814.D
Acq: 2 Oct 2020 12:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.1	80.1	120.1
121	29.3	25.7	38.5





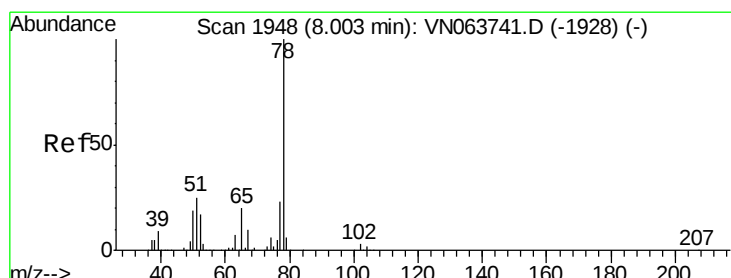
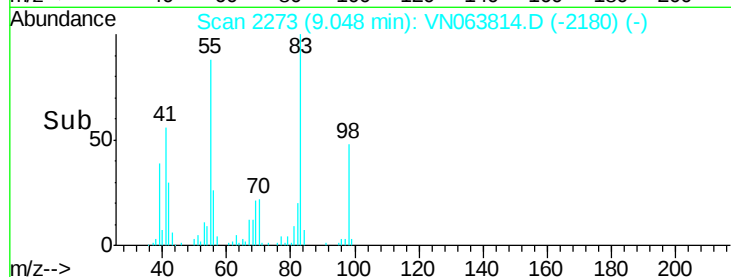
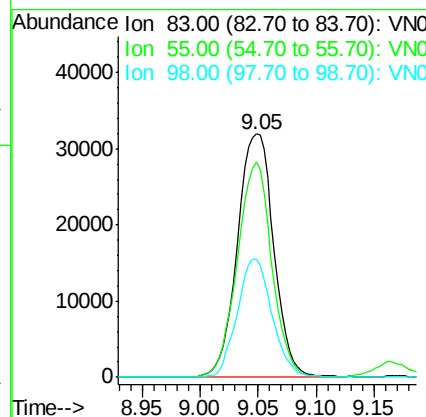
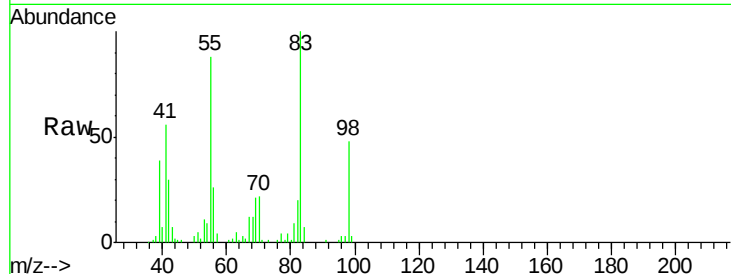
#39
Methvlcvclohexane
Concen: 16.337 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN063814.D
Acq: 2 Oct 2020 12:16

Instrument :
MSVOA_N
ClientSampleId :
VN1002WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	88.5	67.1	100.7
98	48.3	36.6	54.8

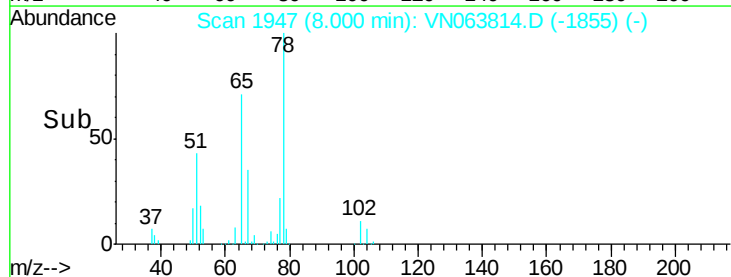
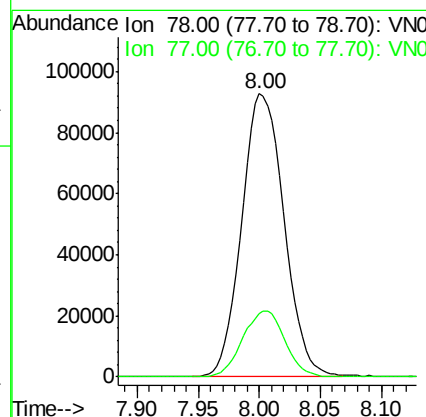
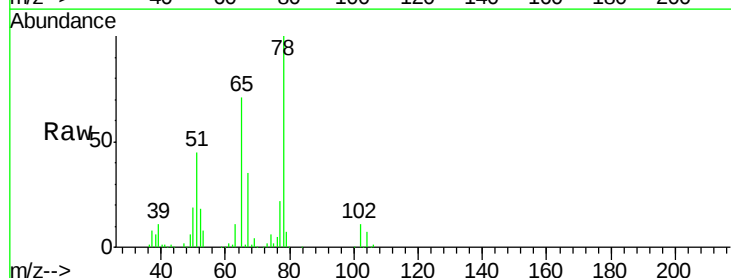
Manual Integrations
APPROVED

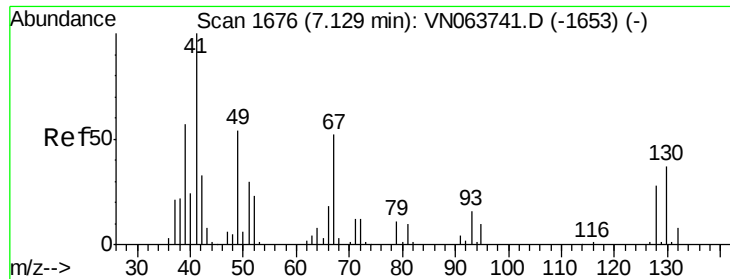
MMDadoda
10/5/2020 5:35:19 PM



#40
Benzene
Concen: 18.276 ug/l
RT: 8.00 min Scan# 1947
Delta R.T. -0.00 min
Lab File: VN063814.D
Acq: 2 Oct 2020 12:16

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.1	18.7	28.1





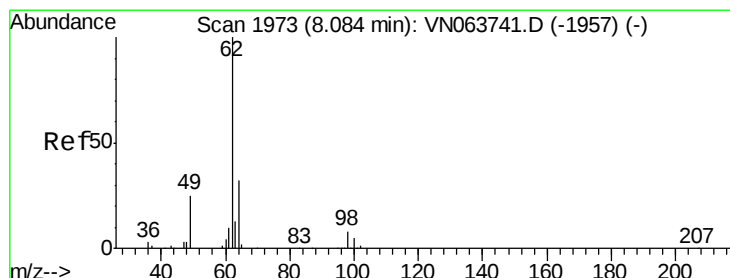
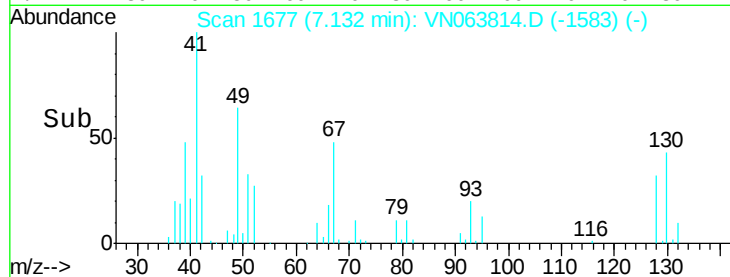
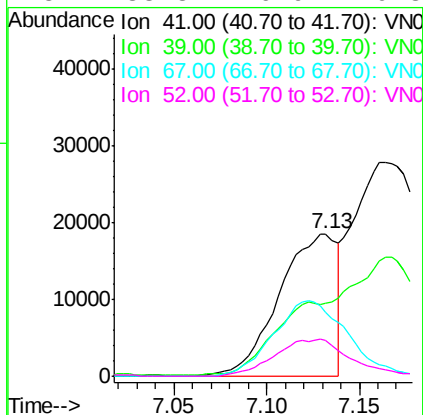
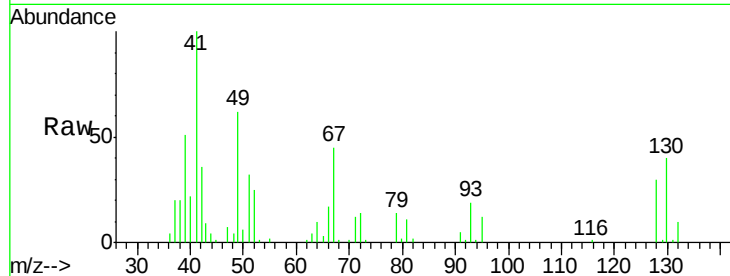
#41
Methacrylonitrile
Concen: 21.351 ug/l
RT: 7.13 min Scan# 1677
Delta R.T. 0.00 min
Lab File: VN063814.D
Acq: 2 Oct 2020 12:16

Instrument :
MSVOA_N
ClientSampleId :
VN1002WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	41.3	42.5	63.7#	
67	68.2	57.4	86.2	
52	33.8	26.9	40.3	

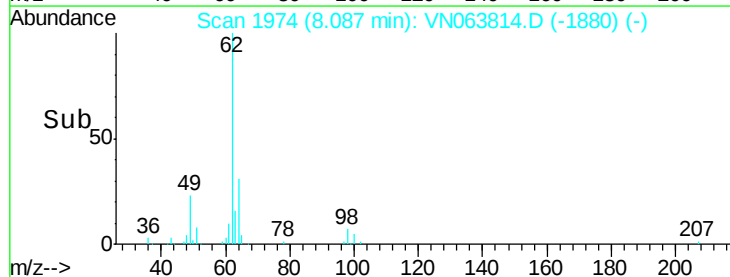
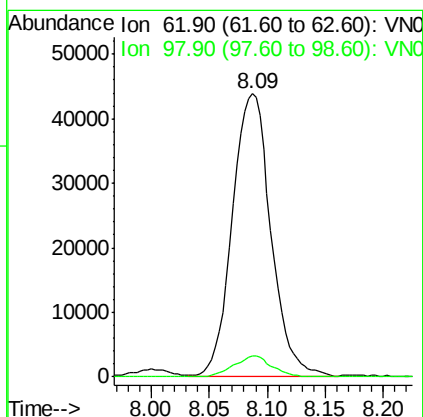
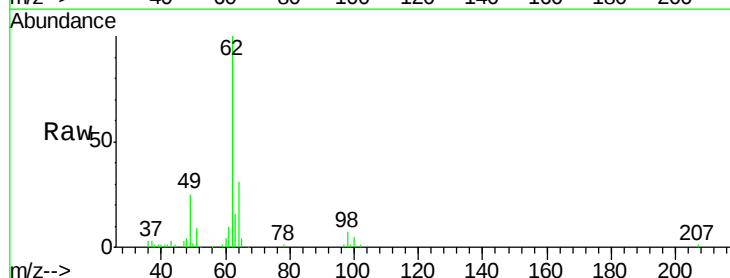
Manual Integrations
APPROVED

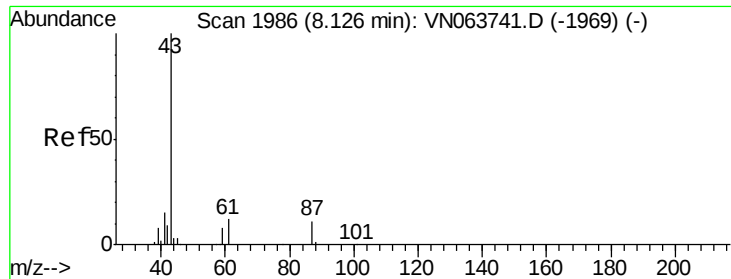
MMDadoda
10/5/2020 5:35:19 PM



#42
1,2-Dichloroethane
Concen: 19.376 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.00 min
Lab File: VN063814.D
Acq: 2 Oct 2020 12:16

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	7.2	0.0	15.0	





#43

Isopropyl Acetate

Concen: 19.265 ug/l

RT: 8.13 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN063814.D

Acq: 2 Oct 2020 12:16

Instrument :

MSVOA_N

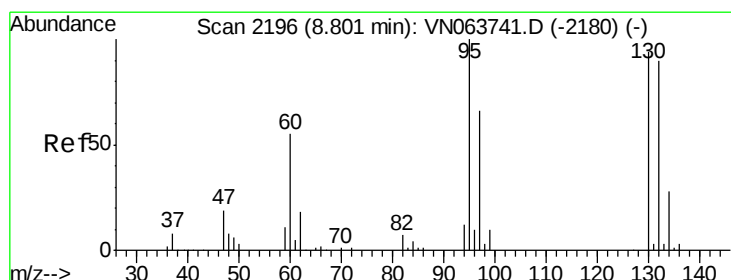
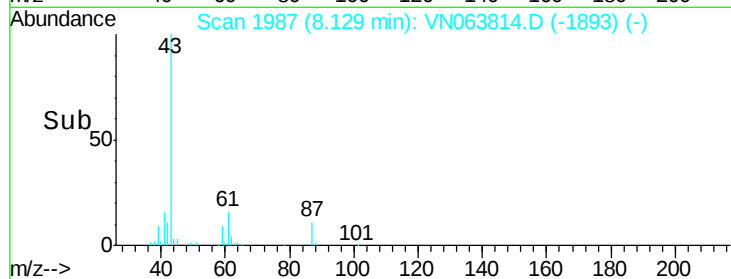
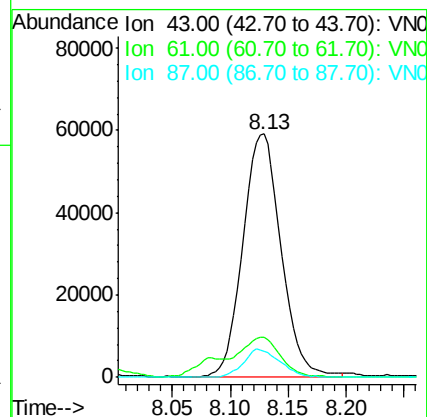
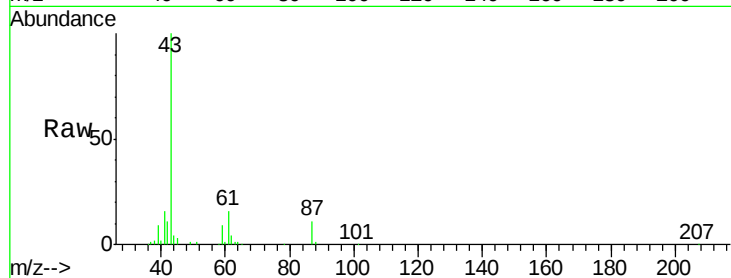
ClientSampleId :

VN1002WBS01

Tot Ion:	43	Resp:	134864
Ion	Ratio	Lower	Upper
43	100		
61	17.0	14.2	21.4
87	11.2	9.0	13.6

Manual Integrations
APPROVED

MMDadoda
10/5/2020 5:35:19 PM



#44

Trichloroethene

Concen: 17.615 ug/l

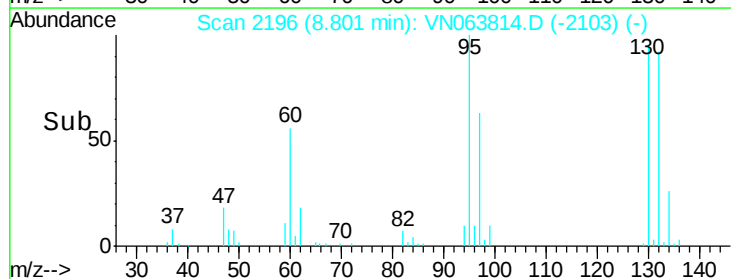
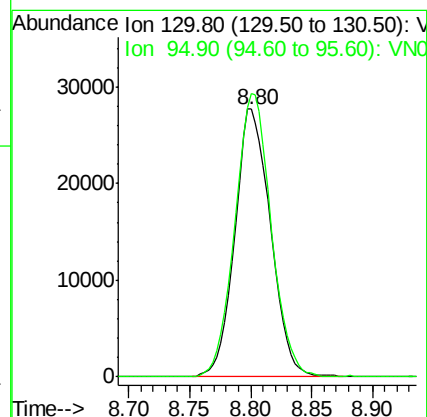
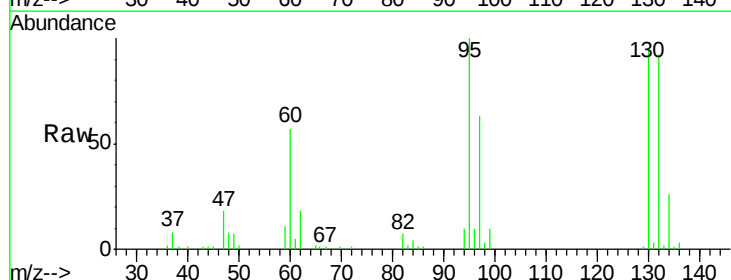
RT: 8.80 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN063814.D

Acq: 2 Oct 2020 12:16

Tgt Ion:	130	Resp:	56312
Ion	Ratio	Lower	Upper
130	100		
95	105.7	0.0	213.6





#45

1,2-Dichloropropane

Concen: 19.028 ug/l

RT: 9.09 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN063814.D

Acq: 2 Oct 2020 12:16

Instrument :

MSVOA_N

ClientSampleId :

VN1002WBS01

Tot Ion: 63 Resp: 62700

Ion Ratio Lower Upper

63 100

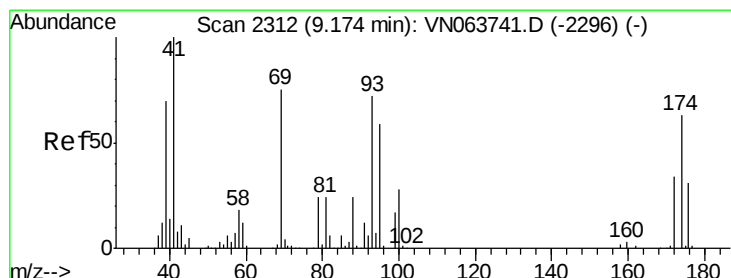
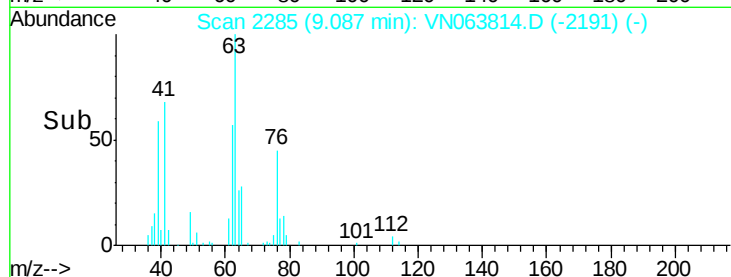
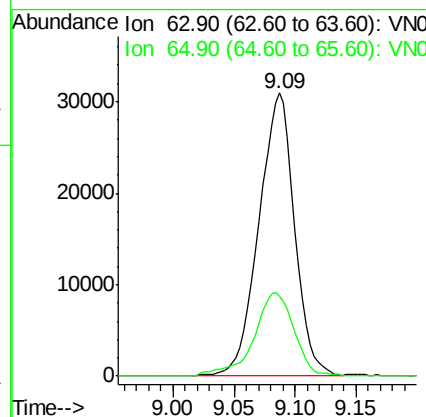
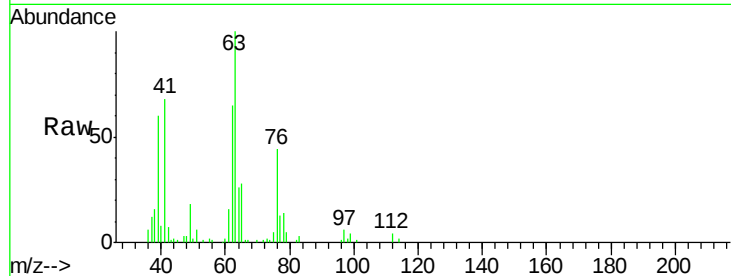
65 28.4 24.7 37.1

Manual Integrations

APPROVED

MMDadoda

10/5/2020 5:35:19 PM



#46

Dibromomethane

Concen: 18.383 ug/l

RT: 9.17 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN063814.D

Acq: 2 Oct 2020 12:16

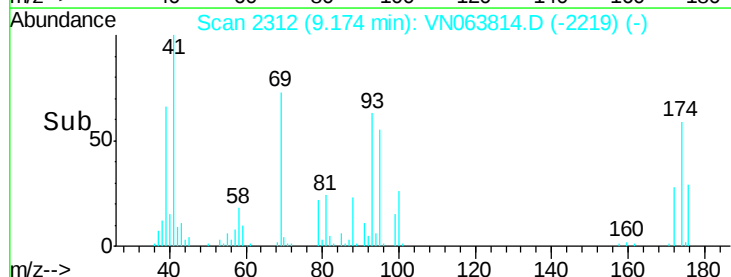
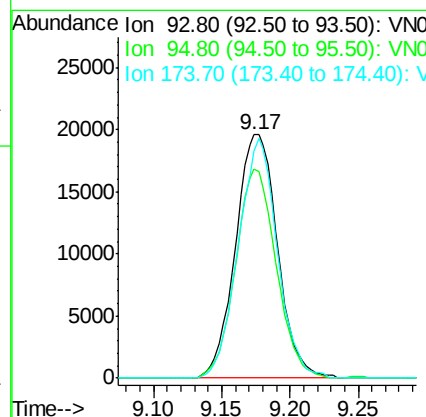
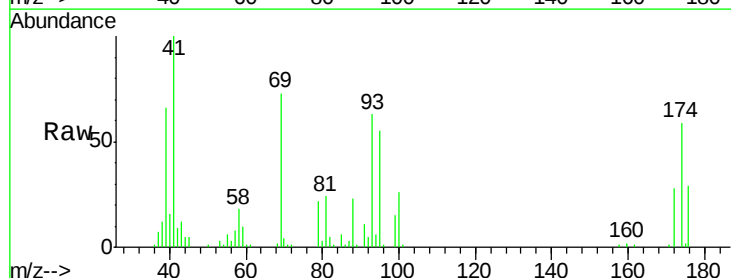
Tgt Ion: 93 Resp: 41788

Ion Ratio Lower Upper

93 100

95 83.1 66.3 99.5

174 91.5 72.7 109.1





#47

Bromodichloromethane

Concen: 18.958 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN063814.D

Acq: 2 Oct 2020 12:16

Instrument :

MSVOA_N

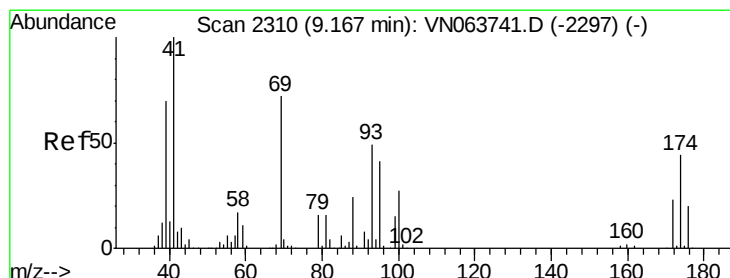
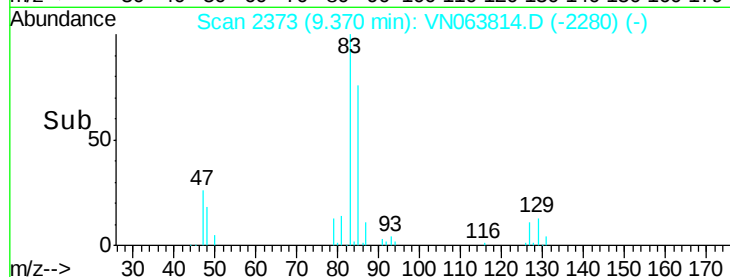
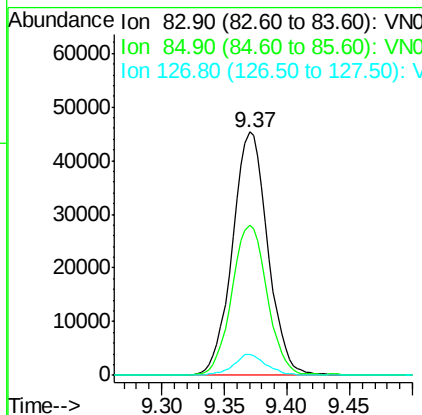
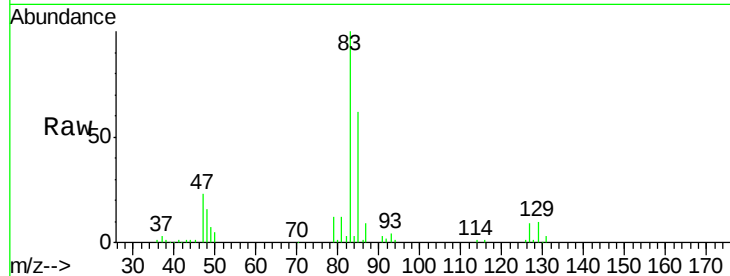
ClientSampleId :

VN1002WBS01

Tot Ion:	83	Resp:	88815
Ion Ratio	Lower	Upper	
83	100		
85	61.6	50.6	75.8
127	8.8	6.6	9.8

Manual Integrations
APPROVED

MMDadoda
10/5/2020 5:35:19 PM



#48

Methyl methacrylate

Concen: 19.437 ug/l

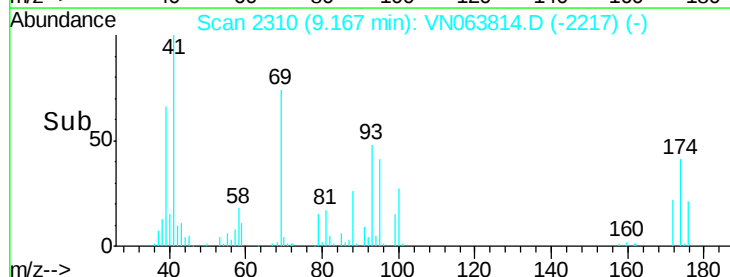
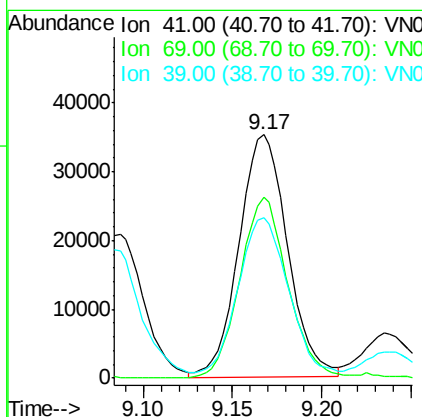
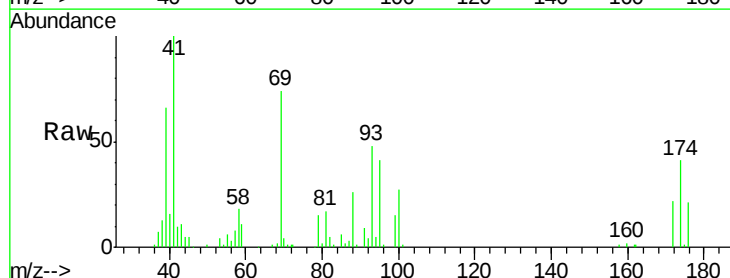
RT: 9.17 min Scan# 2310

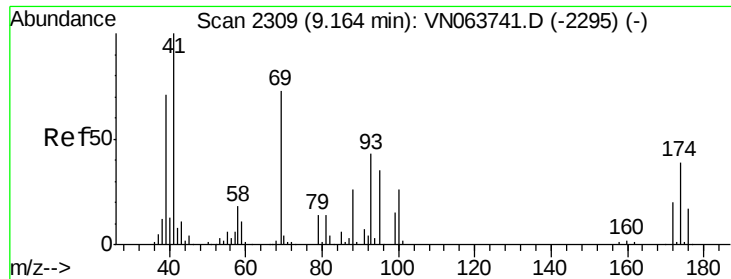
Delta R.T. 0.00 min

Lab File: VN063814.D

Acq: 2 Oct 2020 12:16

Tgt Ion:	41	Resp:	67225
Ion Ratio	Lower	Upper	
41	100		
69	73.6	60.9	91.3
39	68.4	57.5	86.3





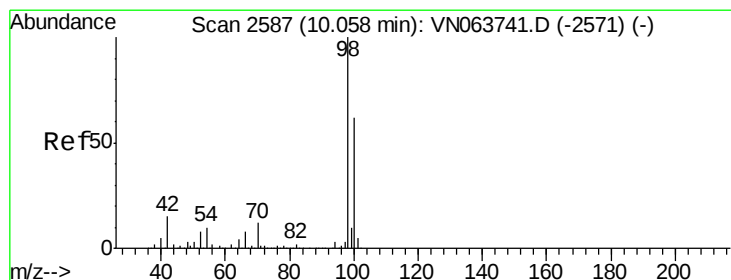
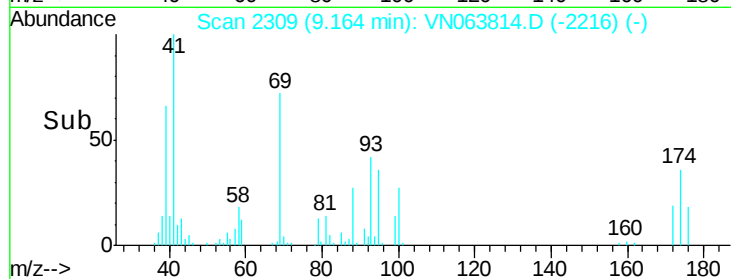
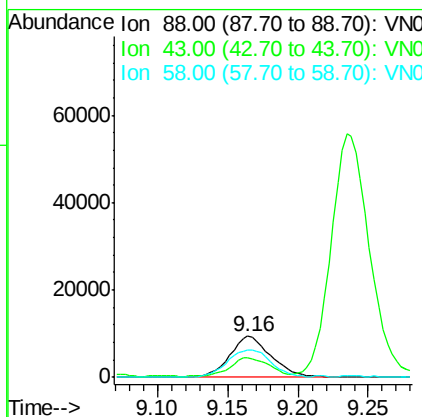
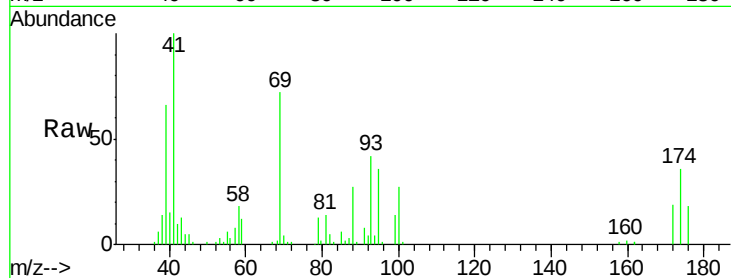
#49
1,4-Dioxane
Concen: 389.137 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN063814.D
Acq: 2 Oct 2020 12:16

Instrument :
MSVOA_N
ClientSampleId :
VN1002WBS01

Tot Ion	88	Resp	19128
Ion	Ratio	Lower	Upper
88	100		
43	41.9	33.1	49.7
58	72.1	58.9	88.3

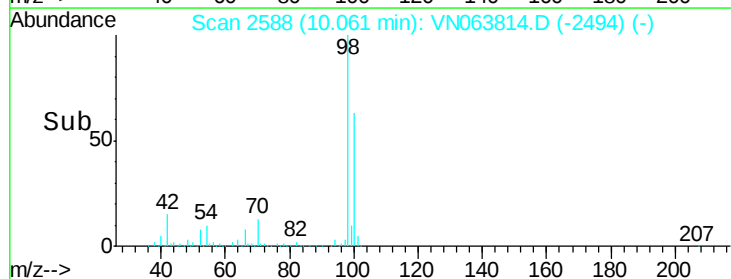
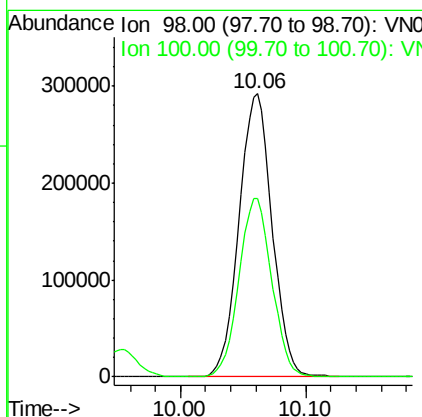
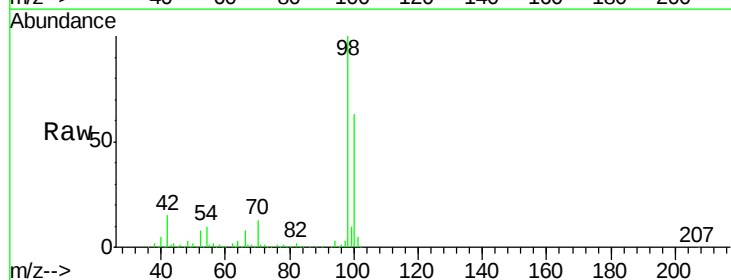
Manual Integrations
APPROVED

MMDadoda
10/5/2020 5:35:19 PM



#50
Toluene-d8
Concen: 48.329 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN063814.D
Acq: 2 Oct 2020 12:16

Tgt Ion	98	Resp	536031
Ion	Ratio	Lower	Upper
98	100		
100	62.6	49.8	74.6





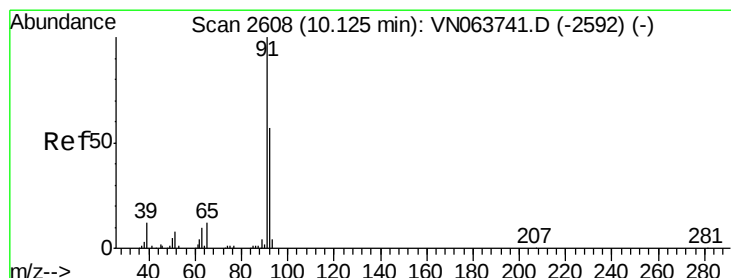
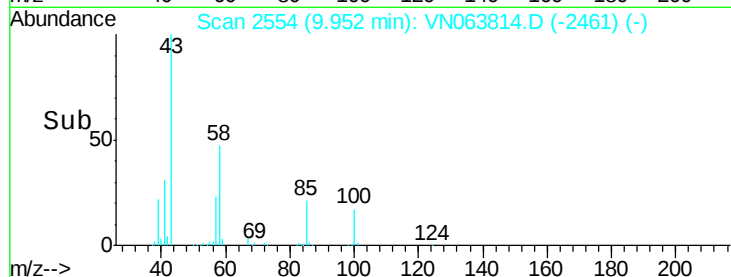
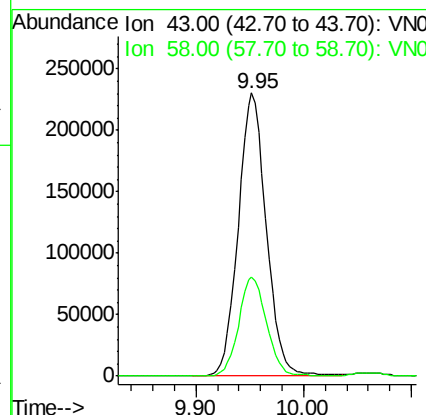
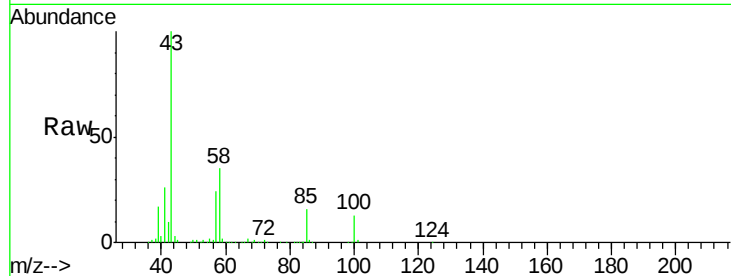
#51
4-Methyl-2-Pentanone
Concen: 101.217 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN063814.D
Acq: 2 Oct 2020 12:16

Instrument :
MSVOA_N
ClientSampleId :
VN1002WBS01

Tot Ion	43	Resp	415815
Ion Ratio	100	Lower	Upper
58	35.0	28.4	42.6

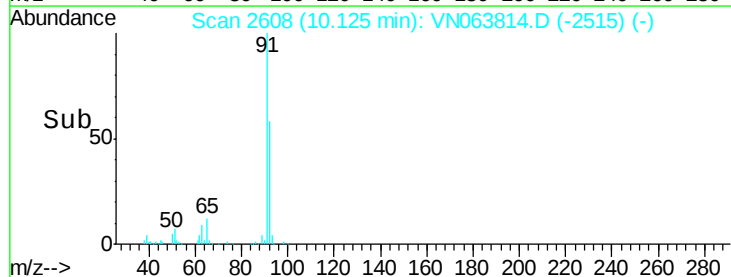
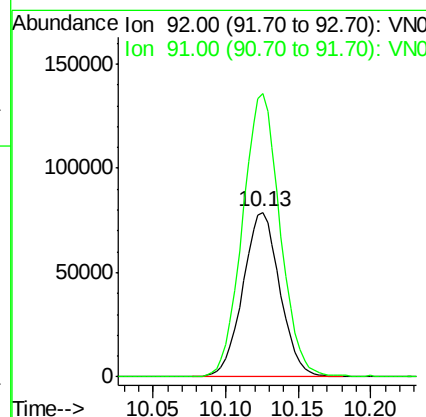
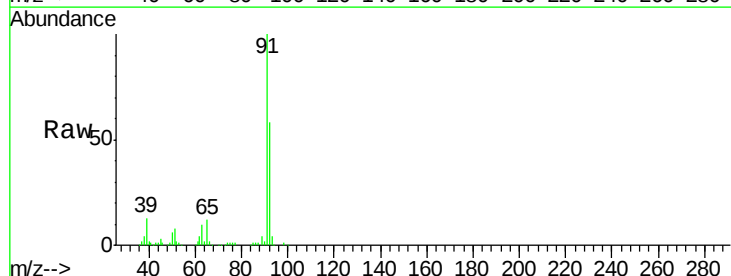
Manual Integrations
APPROVED

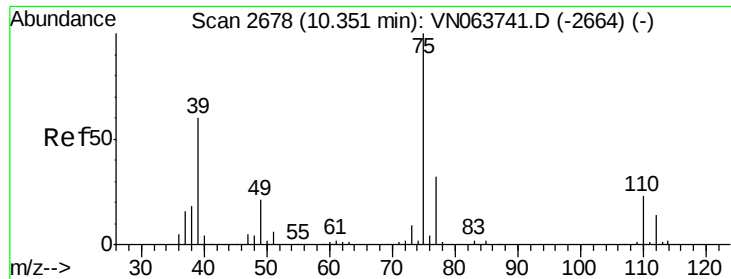
MMDadoda
10/5/2020 5:35:19 PM



#52
Toluene
Concen: 18.541 ug/l
RT: 10.13 min Scan# 2608
Delta R.T. 0.00 min
Lab File: VN063814.D
Acq: 2 Oct 2020 12:16

Tgt Ion	92	Resp	139925
Ion Ratio	100	Lower	Upper
91	174.5	140.6	210.8





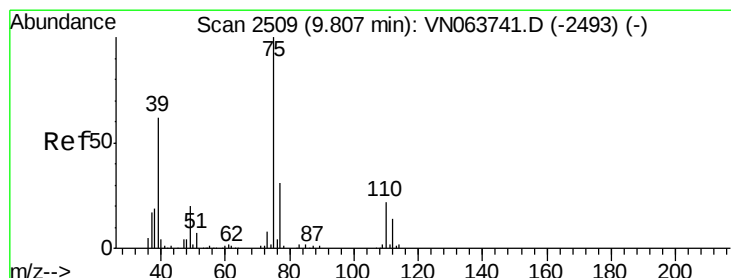
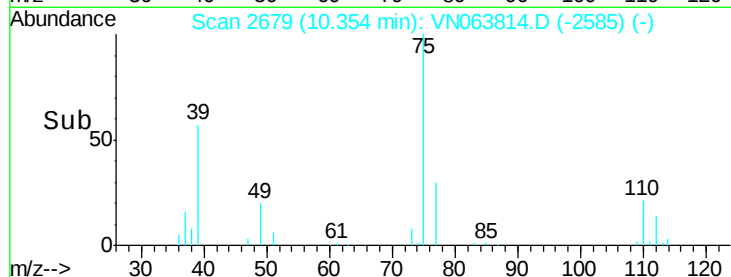
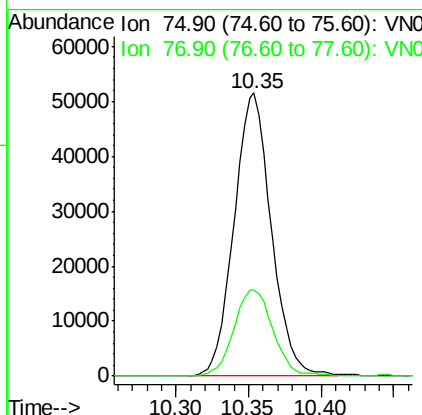
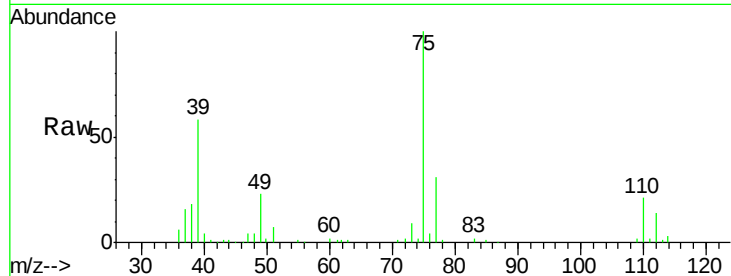
#53
t-1,3-Dichloropropene
Concen: 18.264 ug/l
RT: 10.35 min Scan# 2679
Delta R.T. 0.00 min
Lab File: VN063814.D
Acq: 2 Oct 2020 12:16

Instrument :
MSVOA_N
ClientSampled :
VN1002WBS01

Tot Ion: 75 Resp: 91720
Ion Ratio Lower Upper
75 100
77 30.7 25.3 37.9

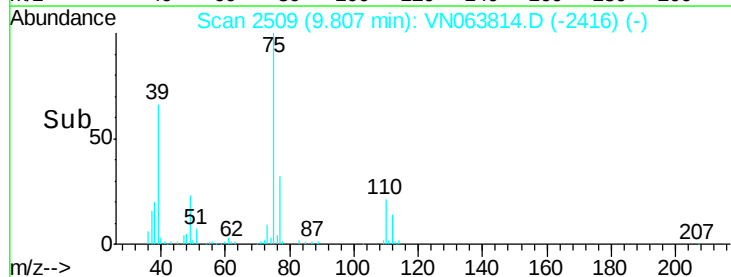
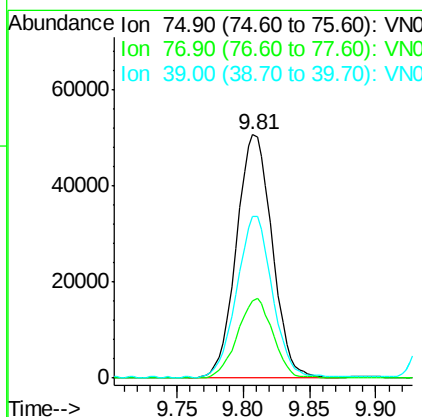
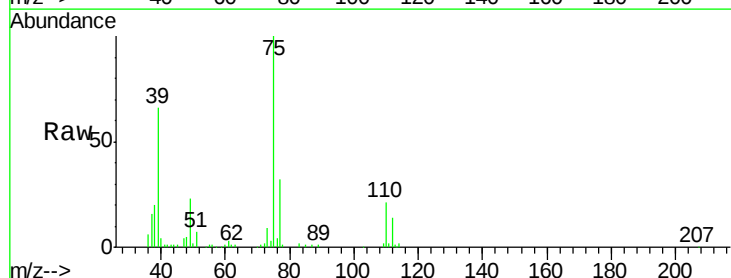
Manual Integrations
APPROVED

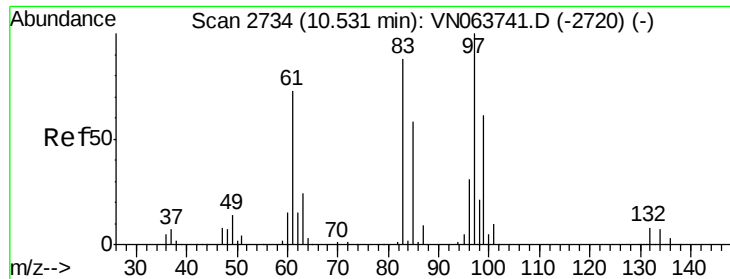
MMDadoda
10/5/2020 5:35:19 PM



#54
cis-1,3-Dichloropropene
Concen: 18.089 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN063814.D
Acq: 2 Oct 2020 12:16

Tgt Ion: 75 Resp: 95002
Ion Ratio Lower Upper
75 100
77 31.6 24.6 36.8
39 66.0 49.7 74.5





#55

1,1,2-Trichloroethane

Concen: 19.269 ug/l

RT: 10.53 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN063814.D

Acq: 2 Oct 2020 12:16

Instrument :

MSVOA_N

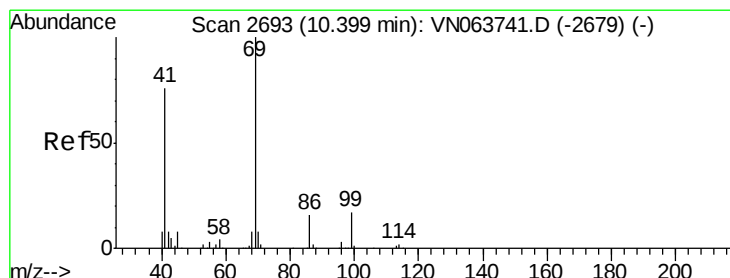
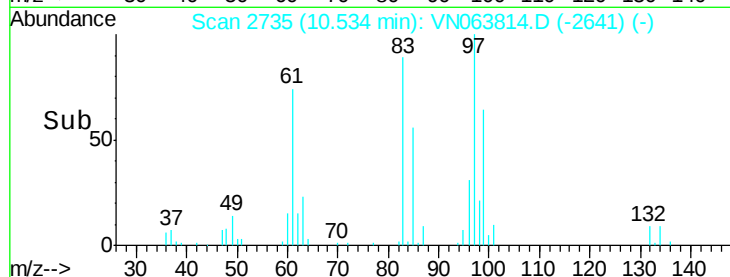
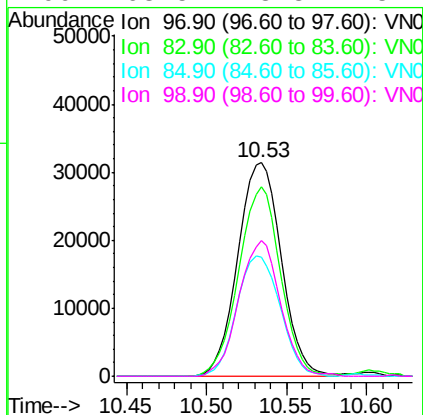
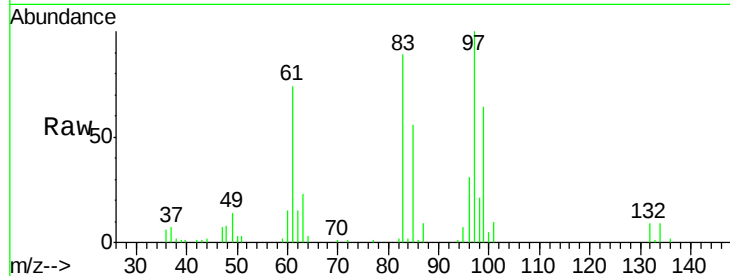
ClientSampleId :

VN1002WBS01

Tot Ion	97	Resp	58318
Ion	Ratio	Lower	Upper
97	100		
83	88.6	70.7	106.1
85	55.8	46.1	69.1
99	63.5	48.8	73.2

Manual Integrations
APPROVED

MMDadoda
10/5/2020 5:35:19 PM



#56

Ethyl methacrylate

Concen: 18.940 ug/l

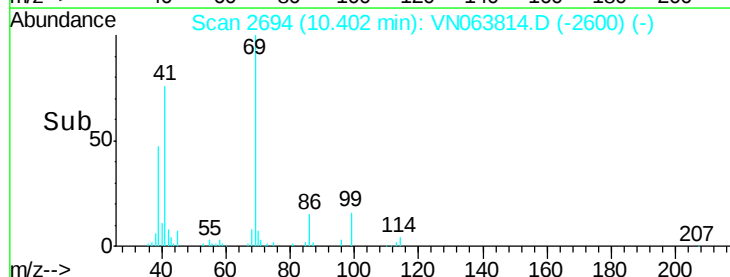
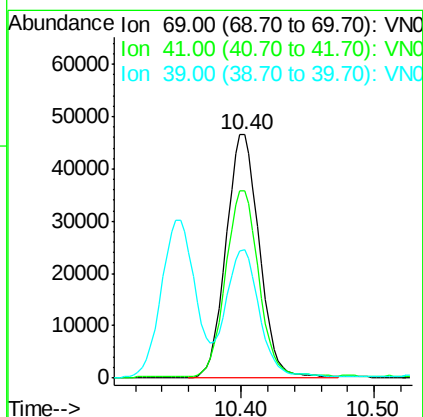
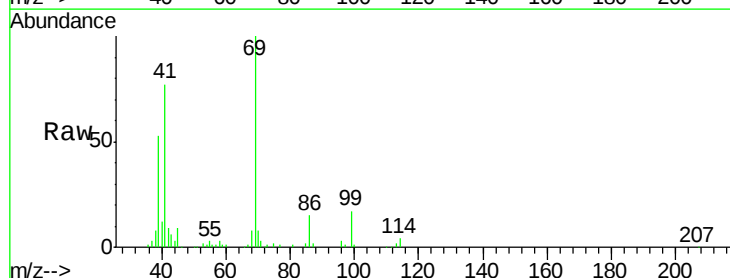
RT: 10.40 min Scan# 2694

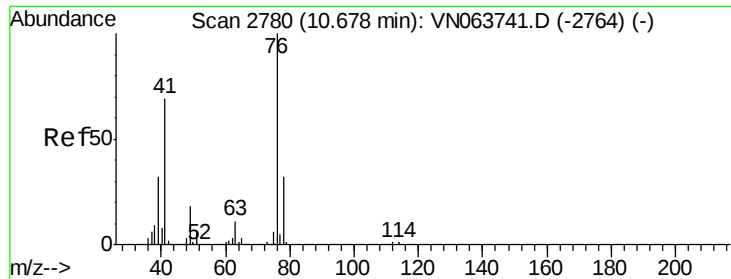
Delta R.T. 0.00 min

Lab File: VN063814.D

Acq: 2 Oct 2020 12:16

Tgt Ion	69	Resp	81253
Ion	Ratio	Lower	Upper
69	100		
41	75.8	61.1	91.7
39	52.9	42.2	63.4





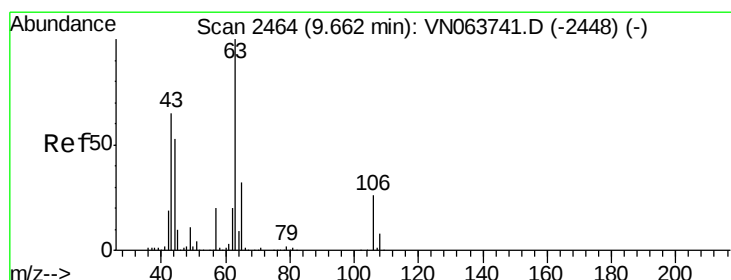
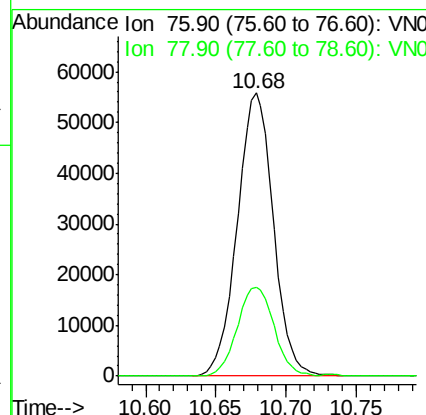
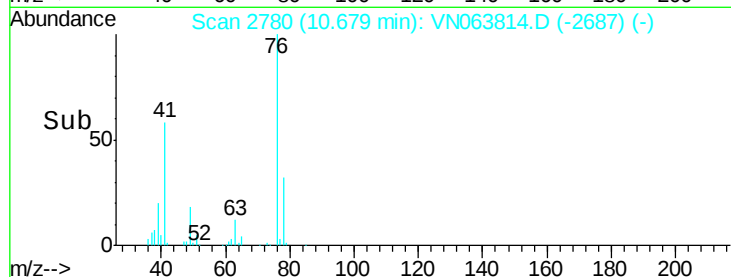
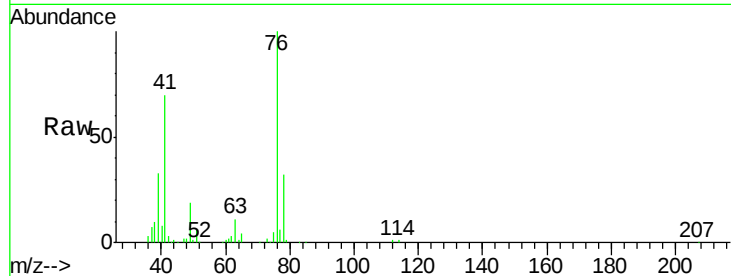
#57
 1,3-Dichloropropane
 Concen: 19.544 ug/l
 RT: 10.68 min Scan# 2780
 Delta R.T. 0.00 min
 Lab File: VN063814.D
 Acq: 2 Oct 2020 12:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1002WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.2	37.8

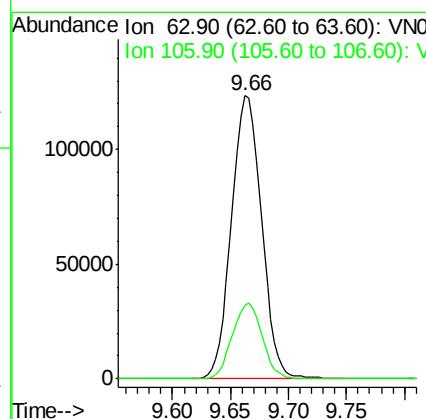
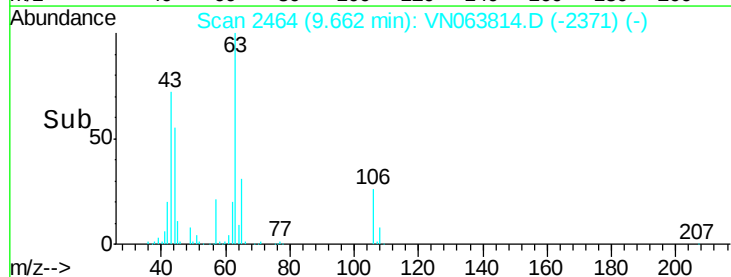
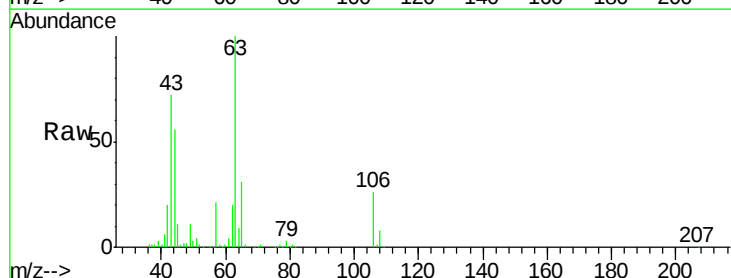
Manual Integrations
 APPROVED

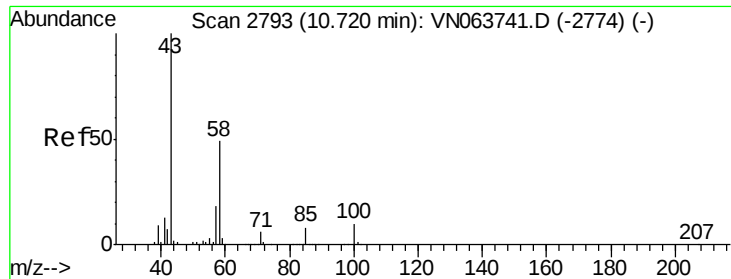
MMDadoda
 10/5/2020 5:35:19 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 96.961 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN063814.D
 Acq: 2 Oct 2020 12:16

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.4	20.7	31.1





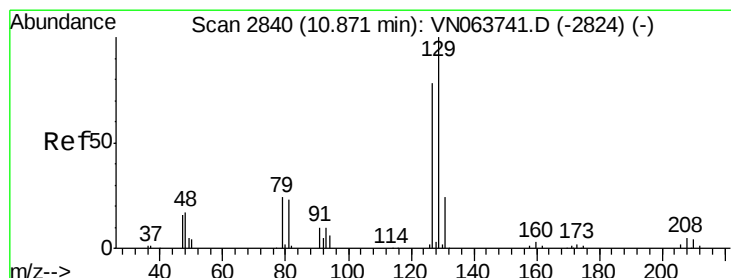
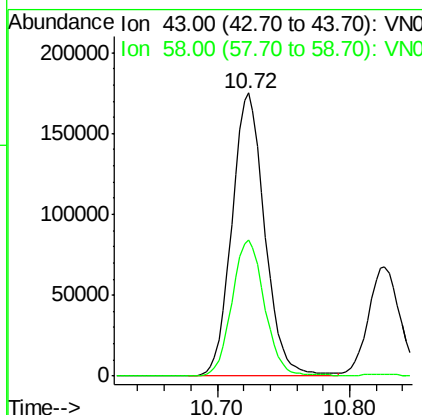
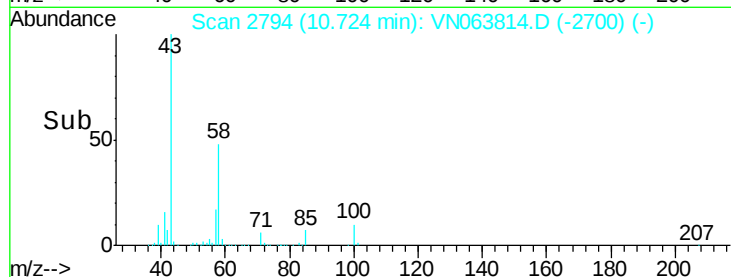
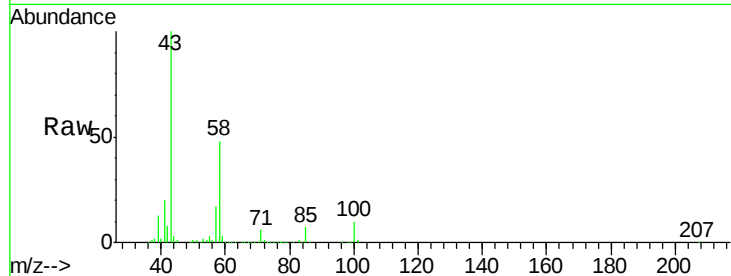
#59
2-Hexanone
Concen: 98.243 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN063814.D
Acq: 2 Oct 2020 12:16

Instrument :
MSVOA_N
ClientSampleId :
VN1002WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	48.1	24.6	73.8

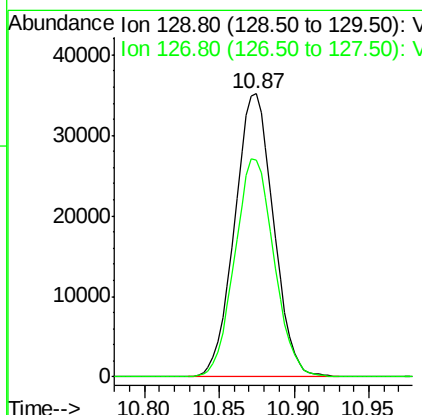
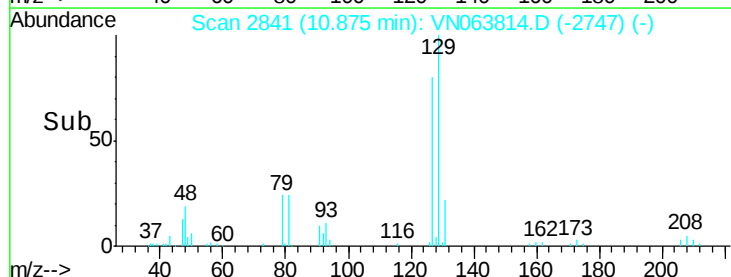
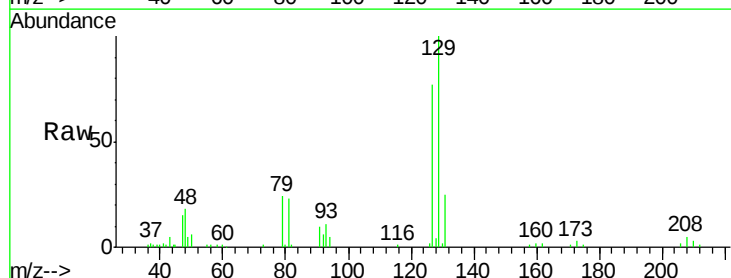
Manual Integrations
APPROVED

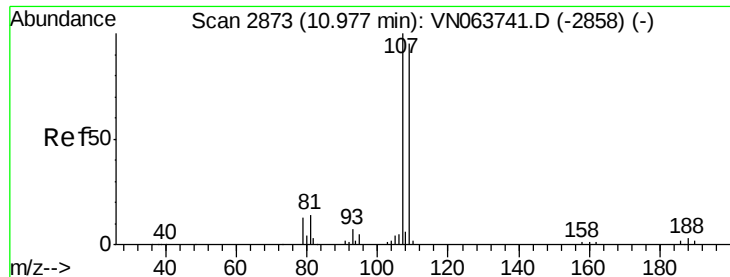
MMDadoda
10/5/2020 5:35:19 PM



#60
Dibromochloromethane
Concen: 18.083 ug/l
RT: 10.87 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN063814.D
Acq: 2 Oct 2020 12:16

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.7	38.9	116.7





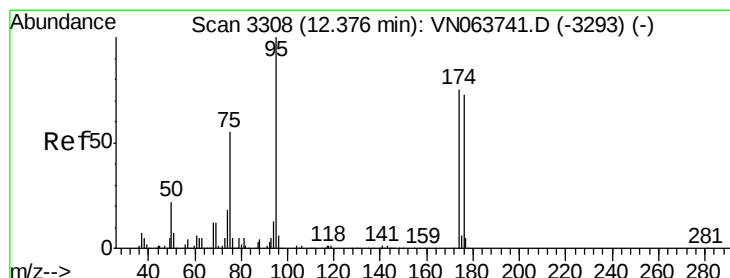
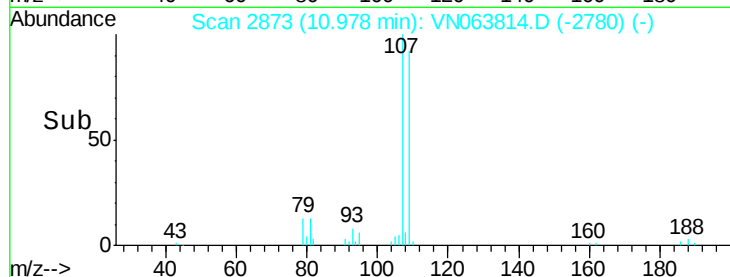
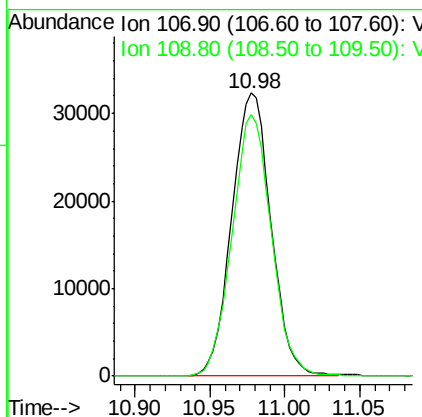
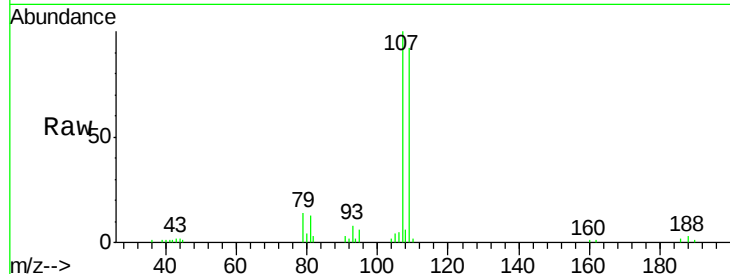
#61
 1,2-Dibromoethane
 Concen: 19.076 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN063814.D
 Acq: 2 Oct 2020 12:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1002WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.5	74.8	112.2

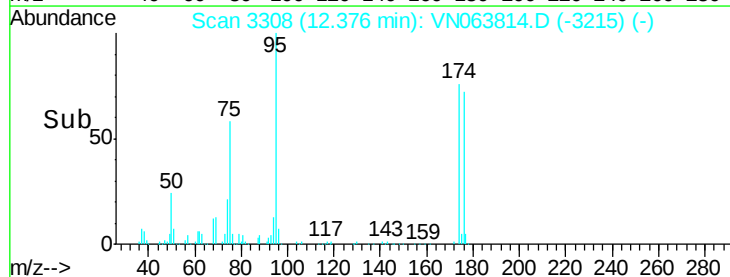
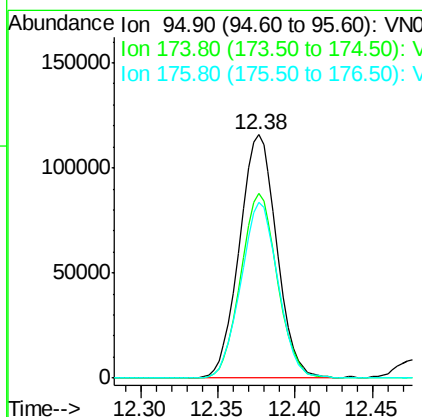
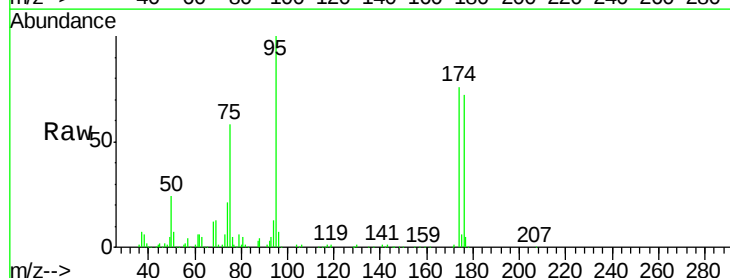
Manual Integrations
 APPROVED

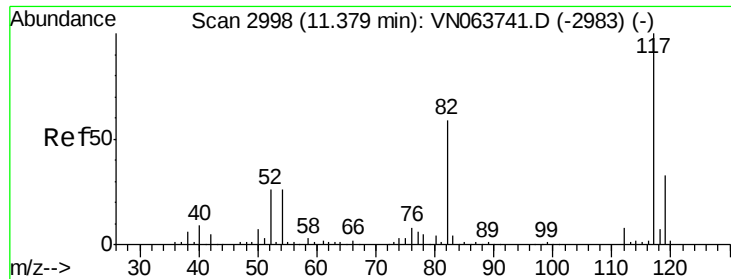
MMDadoda
 10/5/2020 5:35:19 PM



#62
 4-Bromofluorobenzene
 Concen: 46.661 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.00 min
 Lab File: VN063814.D
 Acq: 2 Oct 2020 12:16

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.4	0.0	150.6
176	71.8	0.0	145.4





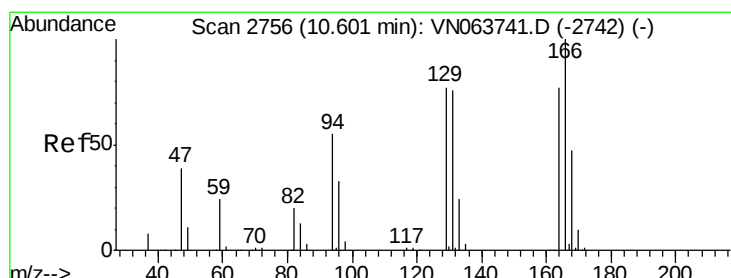
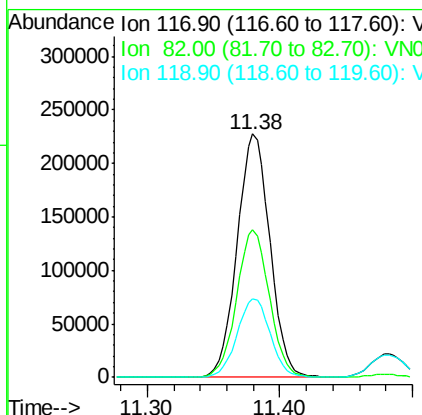
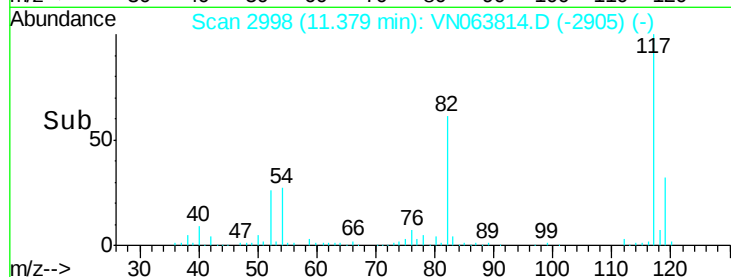
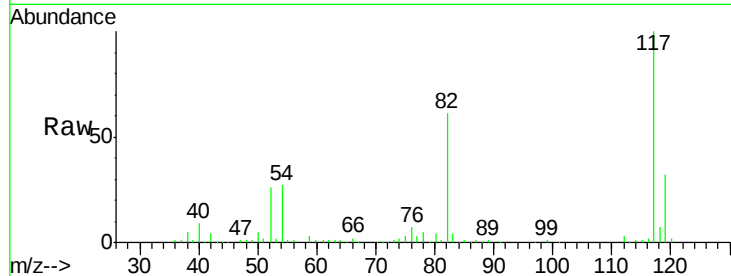
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063814.D
Acq: 2 Oct 2020 12:16

Instrument :
MSVOA_N
ClientSampleId :
VN1002WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.8	47.4	71.2
119	32.4	26.4	39.6

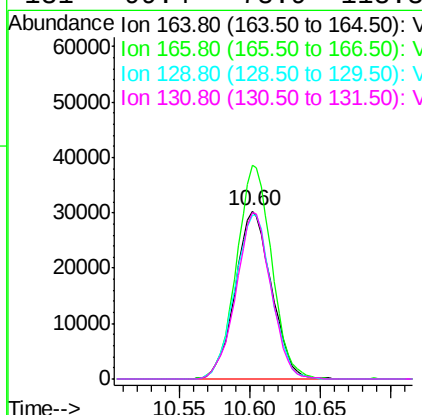
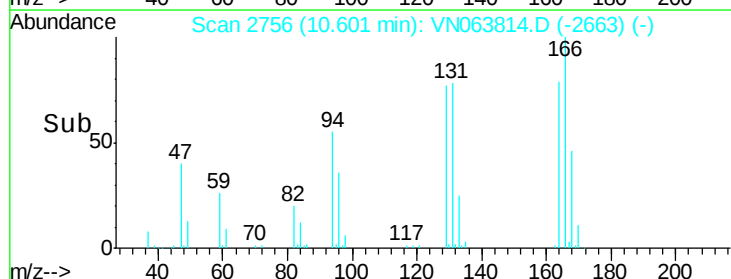
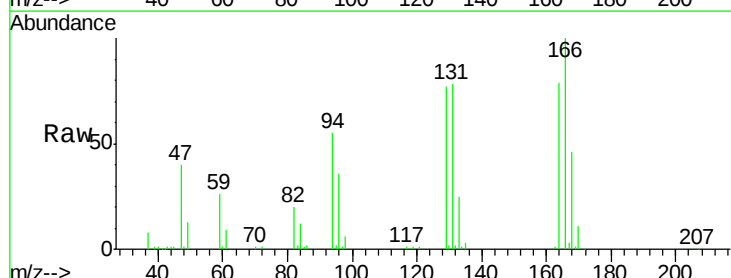
Manual Integrations
APPROVED

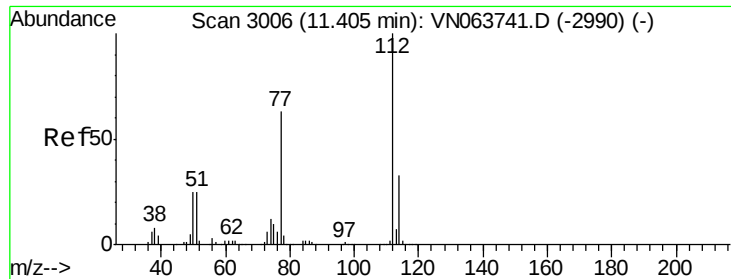
MMDadoda
10/5/2020 5:35:19 PM



#64
Tetrachloroethene
Concen: 18.067 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN063814.D
Acq: 2 Oct 2020 12:16

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.1	103.9	155.9
129	97.3	80.3	120.5
131	99.4	78.9	118.3





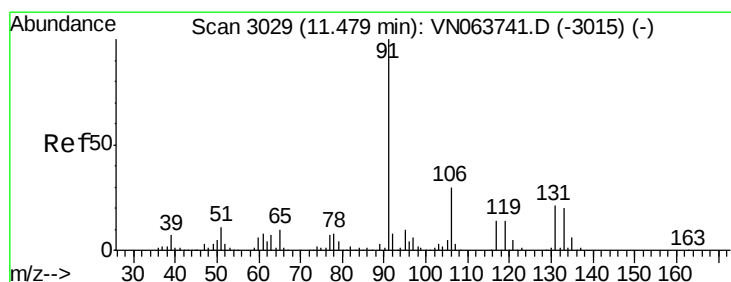
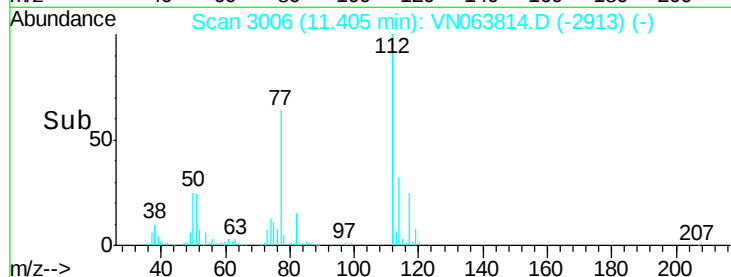
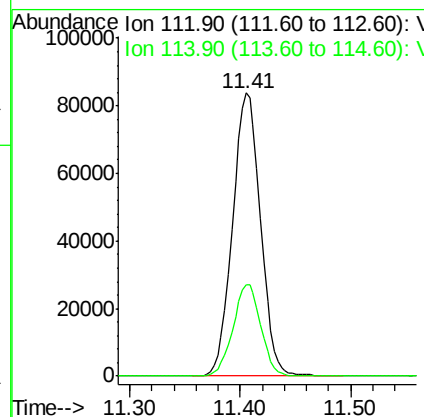
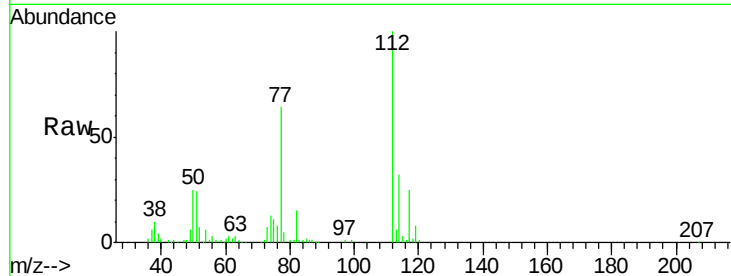
#65
Chlorobenzene
Concen: 18.329 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN063814.D
Acq: 2 Oct 2020 12:16

Instrument :
MSVOA_N
ClientSampleId :
VN1002WBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.3	26.1	39.1

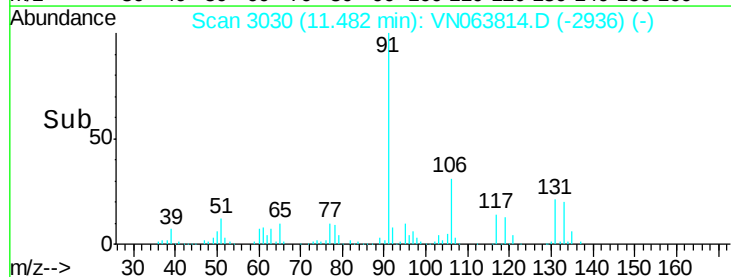
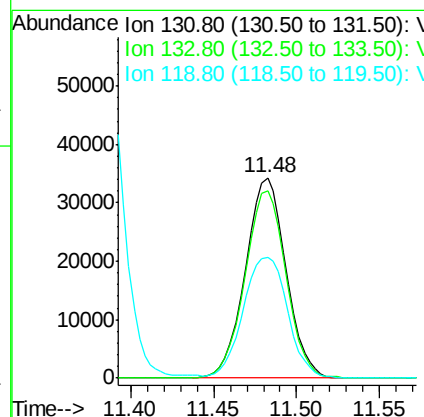
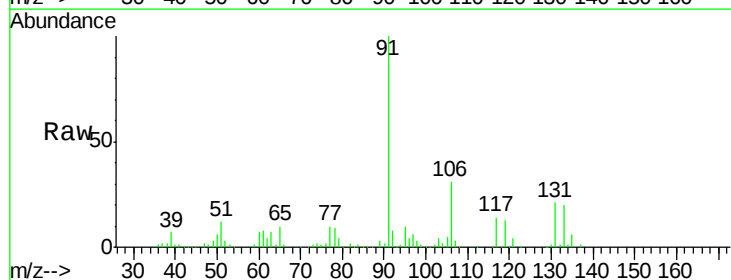
Manual Integrations
APPROVED

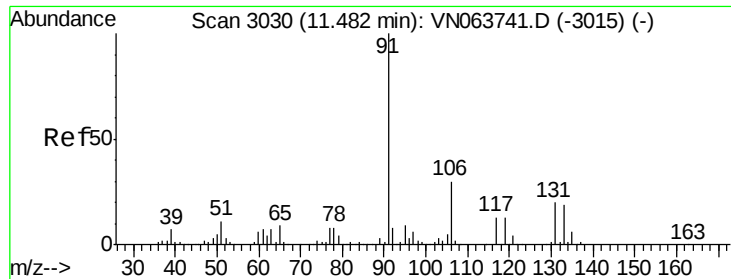
MMDadoda
10/5/2020 5:35:19 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.007 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN063814.D
Acq: 2 Oct 2020 12:16

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.4	47.3	141.8
119	66.2	32.6	97.7





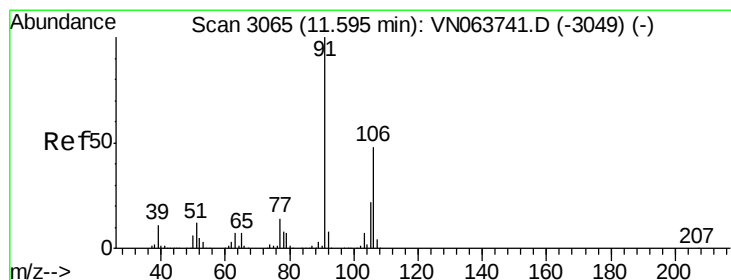
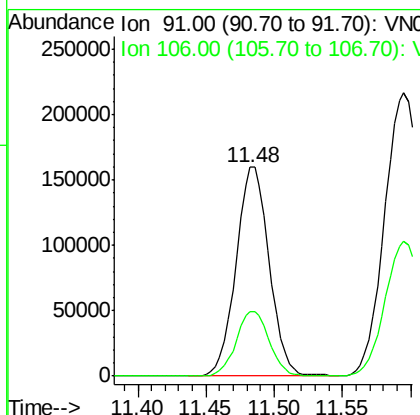
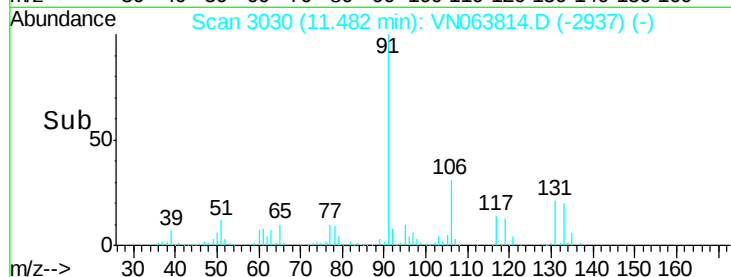
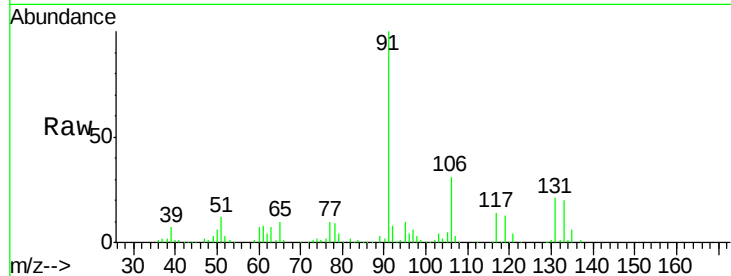
#67
Ethyl Benzene
Concen: 18.427 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN063814.D
Acq: 2 Oct 2020 12:16

Instrument :
MSVOA_N
ClientSampleId :
VN1002WBS01

Tot Ion: 91 Resp: 269338
Ion Ratio Lower Upper
91 100
106 31.1 24.2 36.2

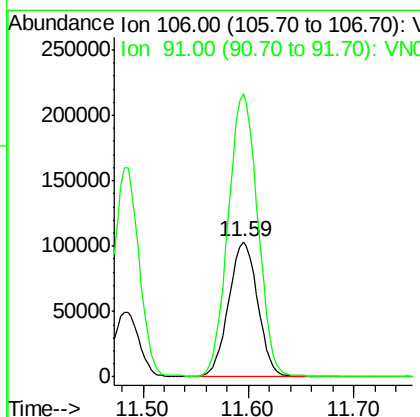
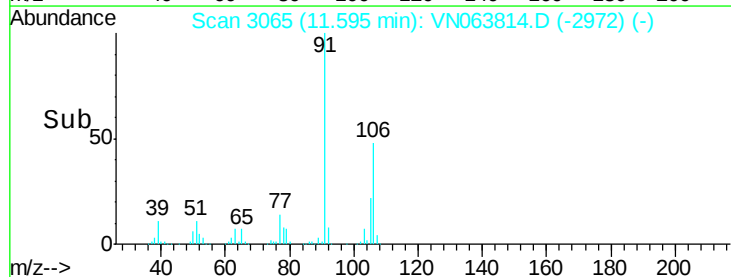
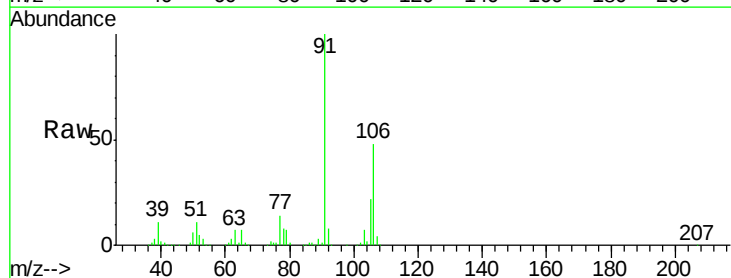
Manual Integrations
APPROVED

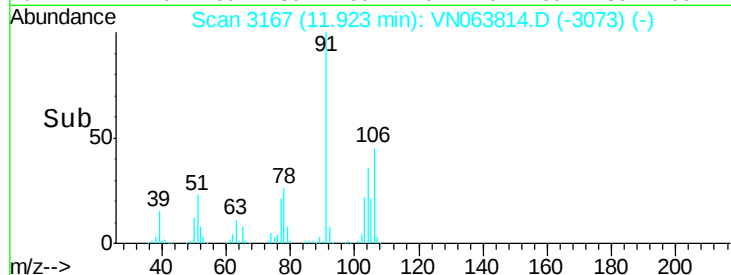
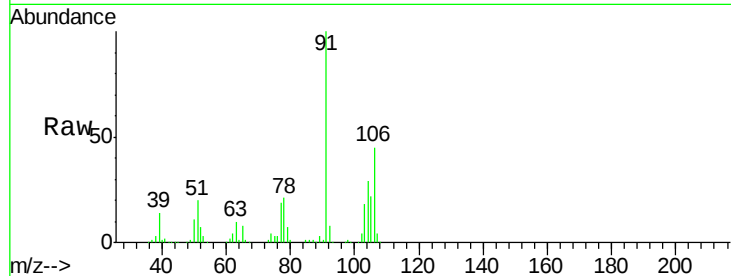
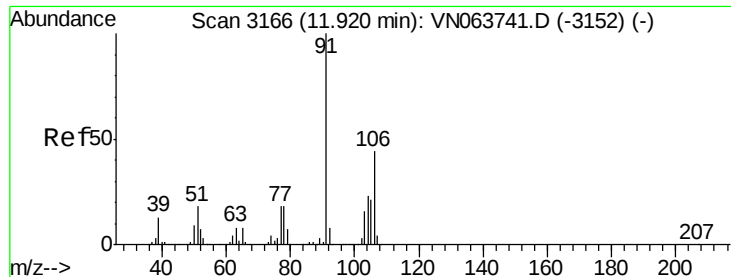
MMDadoda
10/5/2020 5:35:19 PM



#68
m/p-Xylenes
Concen: 36.418 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN063814.D
Acq: 2 Oct 2020 12:16

Tgt Ion: 106 Resp: 198387
Ion Ratio Lower Upper
106 100
91 210.4 168.0 252.0





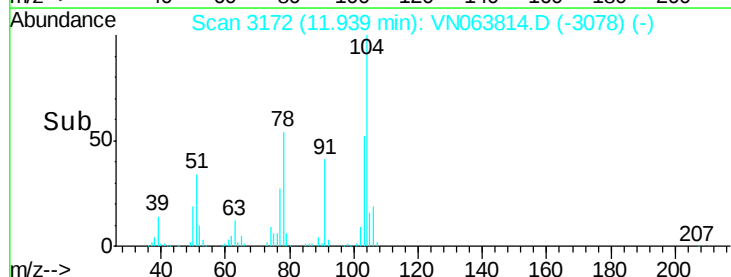
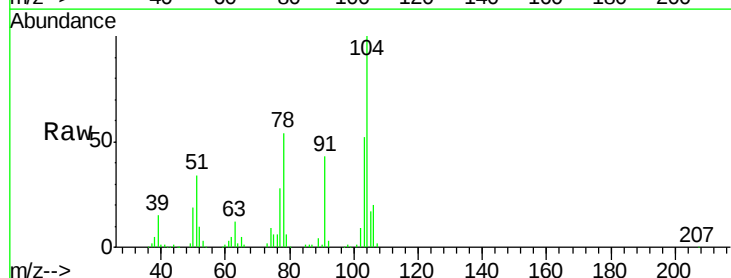
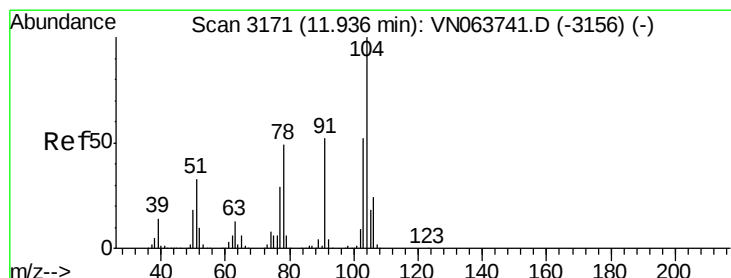
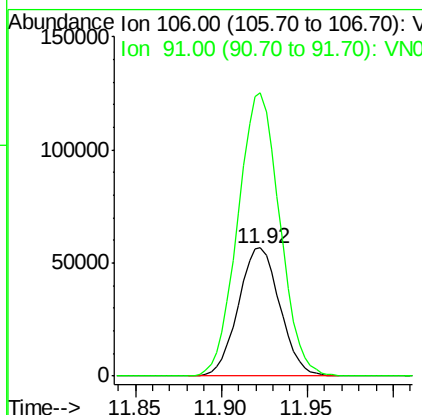
#69
o-Xylene
Concen: 18.696 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN063814.D
Acq: 2 Oct 2020 12:16

Tot Ion:106 Resp: 95194
Ion Ratio Lower Upper
106 100
91 223.4 112.7 338.0

Instrument :
MSVOA_N
ClientSampleId :
VN1002WBS01

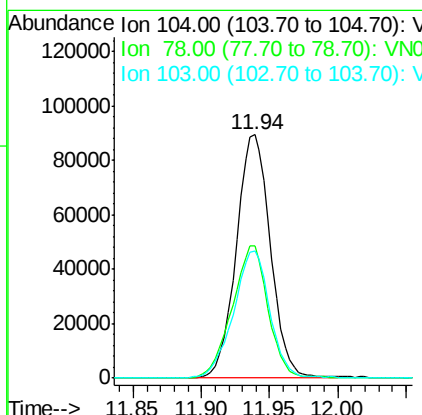
Manual Integrations
APPROVED

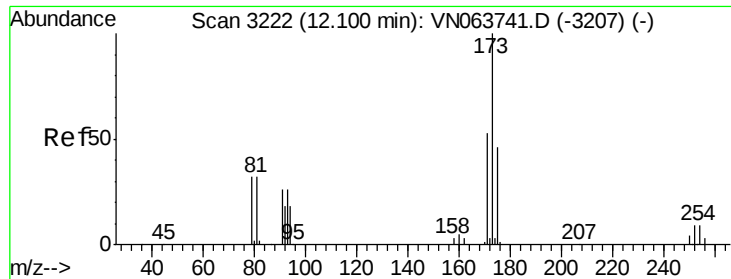
MMDadoda
10/5/2020 5:35:19 PM



#70
Styrene
Concen: 18.007 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. 0.00 min
Lab File: VN063814.D
Acq: 2 Oct 2020 12:16

Tgt Ion:104 Resp: 155630
Ion Ratio Lower Upper
104 100
78 57.4 44.1 66.1
103 55.4 44.3 66.5





#71

Bromoform

Concen: 17.870 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN063814.D

Acq: 2 Oct 2020 12:16

Instrument :

MSVOA_N

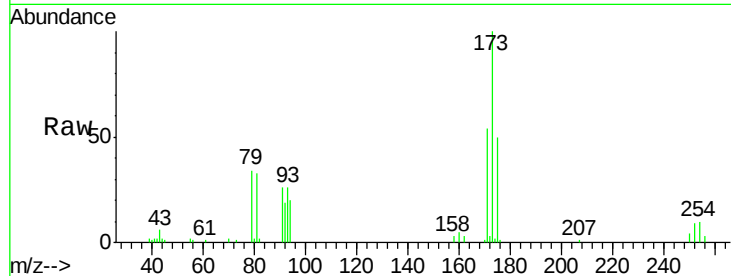
ClientSampleId :

VN1002WBS01

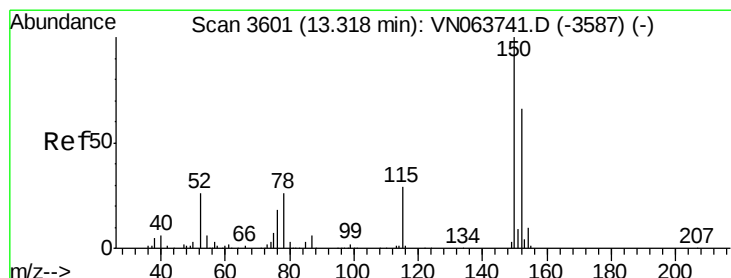
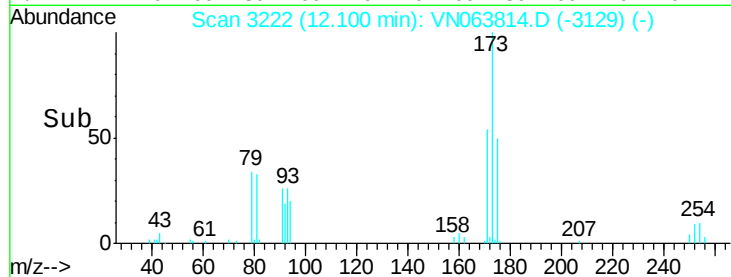
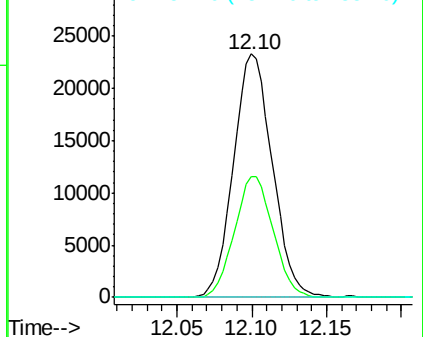
Tot Ion:	173	Resp:	42087
Ion Ratio	Lower	Upper	
173	100		
175	49.4	23.5	70.5
254	0.0	0.0	0.0

Manual Integrations
APPROVED

MMDadoda
10/5/2020 5:35:19 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

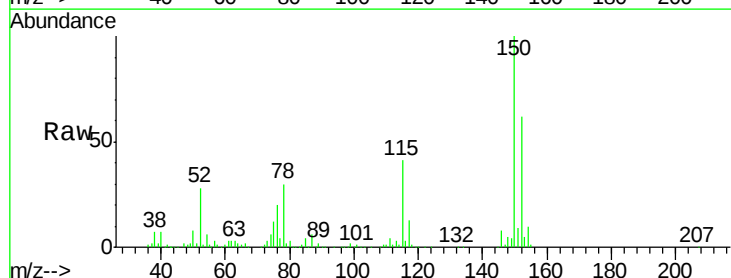
RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

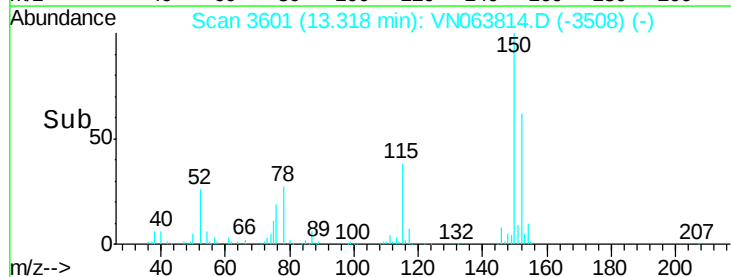
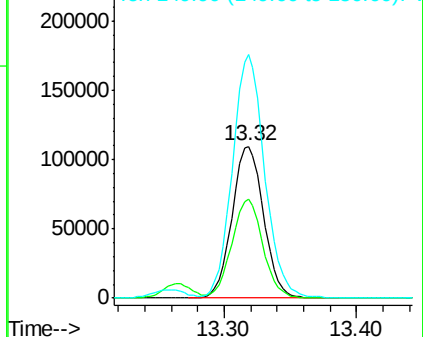
Lab File: VN063814.D

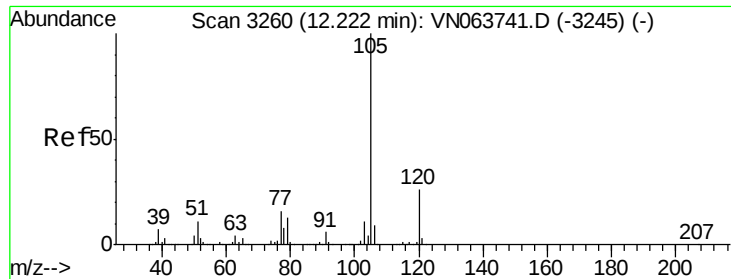
Acq: 2 Oct 2020 12:16

Tgt Ion:	152	Resp:	180440
Ion Ratio	Lower	Upper	
152	100		
115	63.6	31.3	93.8
150	164.4	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: 19.041 ug/l

RT: 12.23 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN063814.D

Acq: 2 Oct 2020 12:16

Instrument :

MSVOA_N

ClientSampleId :

VN1002WBS01

Tot Ion: 105 Resp: 250605

Ion Ratio Lower Upper

105 100

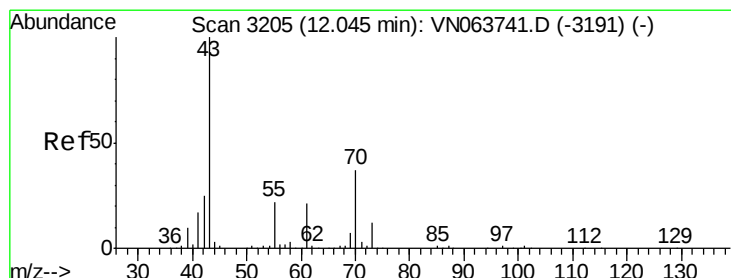
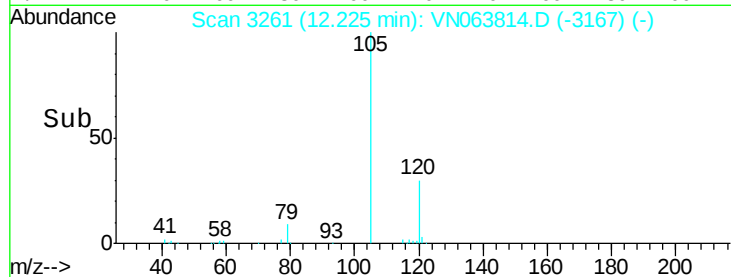
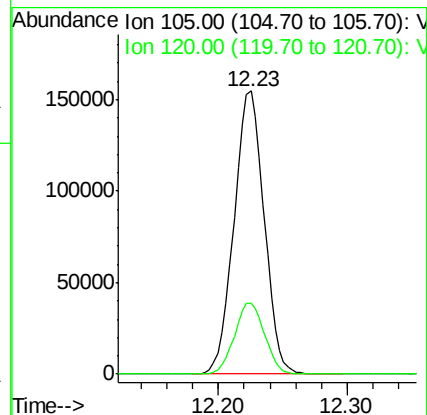
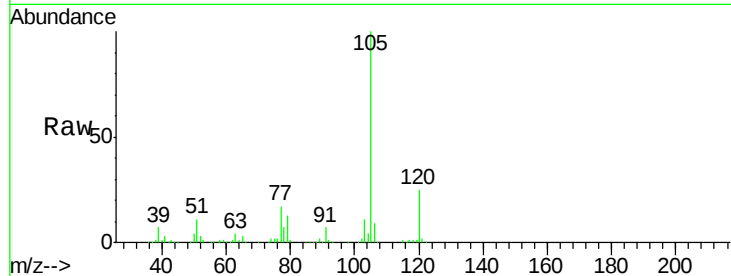
120 25.3 12.6 37.8

Manual Integrations

APPROVED

MMDadoda

10/5/2020 5:35:19 PM



#74

N-ethyl acetate

Concen: 19.808 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN063814.D

Acq: 2 Oct 2020 12:16

Tgt Ion: 43 Resp: 112601

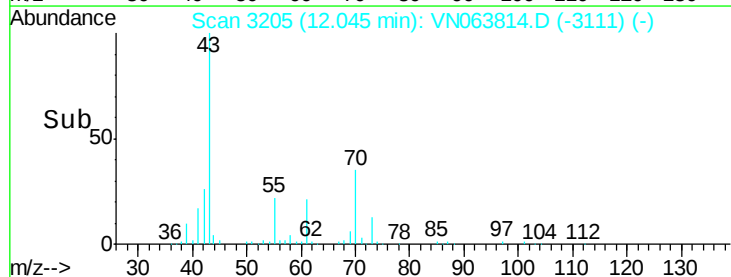
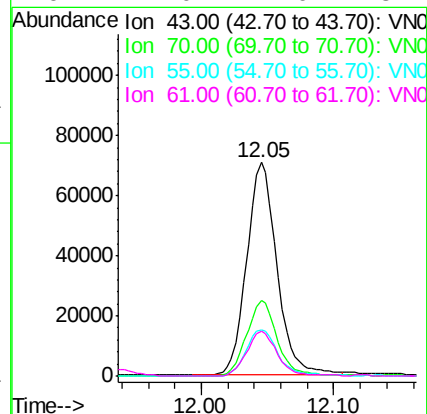
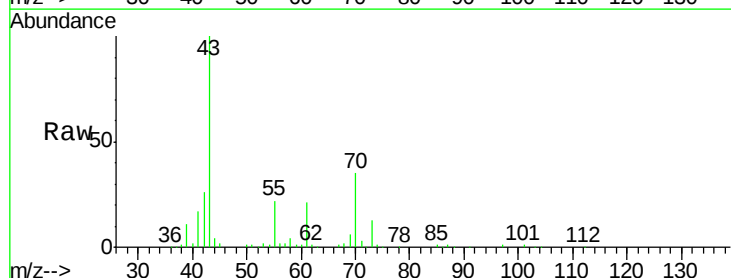
Ion Ratio Lower Upper

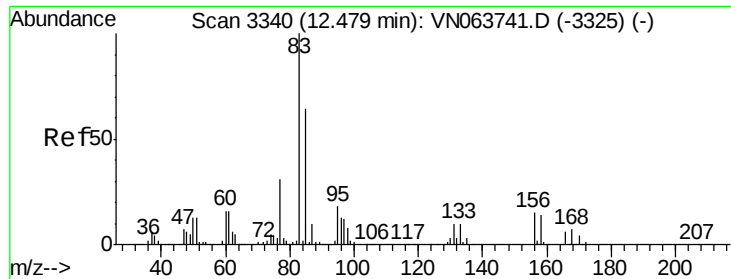
43 100

70 35.8 29.8 44.8

55 23.1 17.9 26.9

61 21.0 17.0 25.4





#75

1,1,2,2-Tetrachloroethane

Concen: 20.178 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN063814.D

Acq: 2 Oct 2020 12:16

Instrument :

MSVOA_N

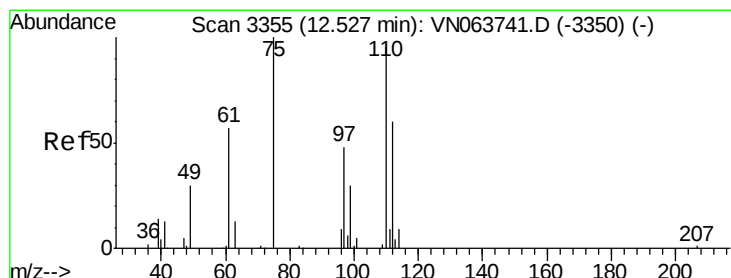
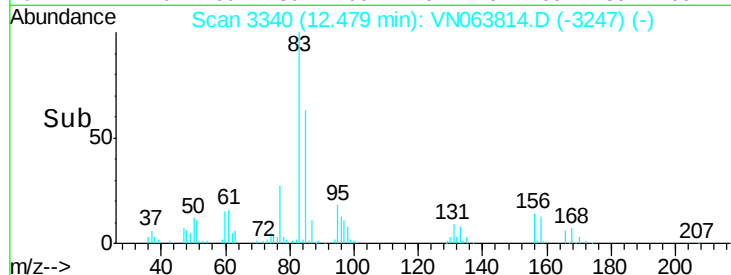
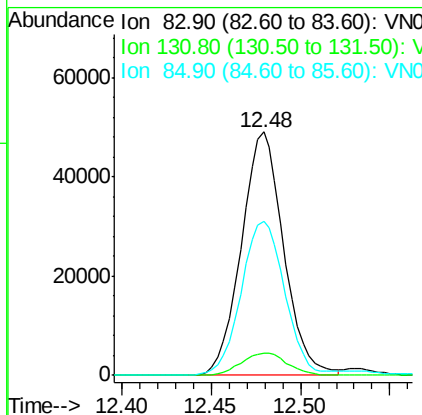
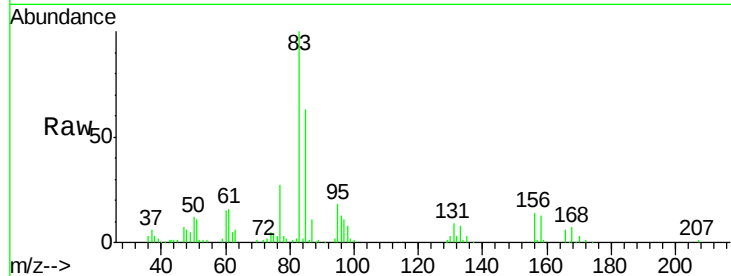
ClientSampleId :

VN1002WBS01

Tot Ion:	83	Resp:	81207
Ion Ratio	Lower	Upper	
83	100		
131	10.0	5.3	15.8
85	65.6	31.3	93.8

Manual Integrations
APPROVED

MMDadoda
10/5/2020 5:35:19 PM



#76

1,2,3-Trichloropropane

Concen: 19.769 ug/l m

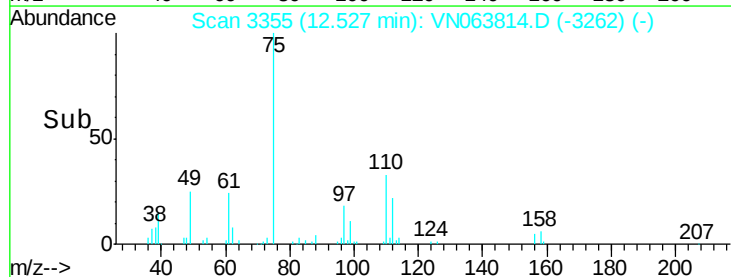
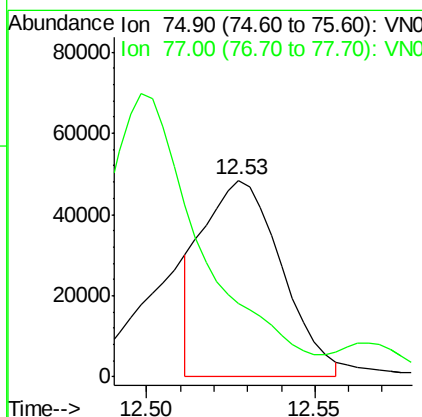
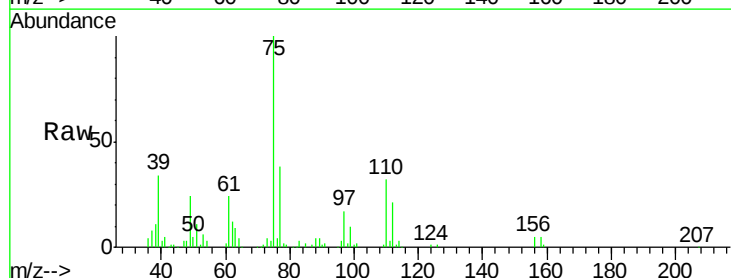
RT: 12.53 min Scan# 3355

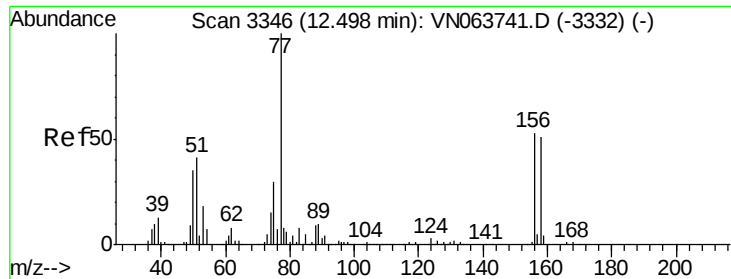
Delta R.T. 0.00 min

Lab File: VN063814.D

Acq: 2 Oct 2020 12:16

Tgt Ion:	75	Resp:	78632
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.726 ug/l

RT: 12.50 min Scan# 3347

Delta R.T. 0.00 min

Lab File: VN063814.D

Acq: 2 Oct 2020 12:16

Instrument :

MSVOA_N

ClientSampleId :

VN1002WBS01

Tot Ion:156 Resp: 63704

Ion Ratio Lower Upper

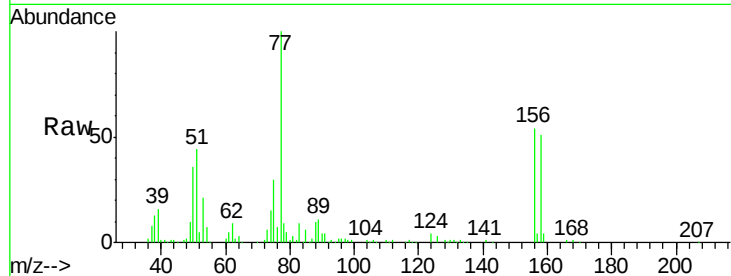
156 100

77 225.9 110.9 332.7

158 95.8 47.7 143.1

Manual Integrations
APPROVED

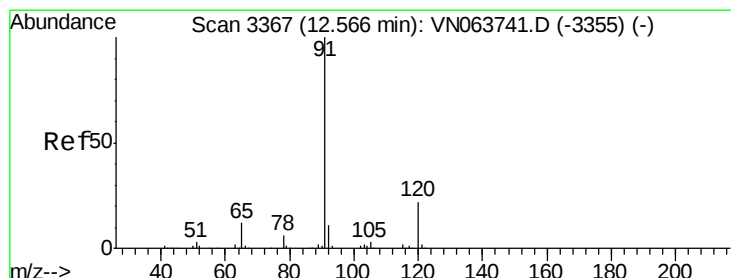
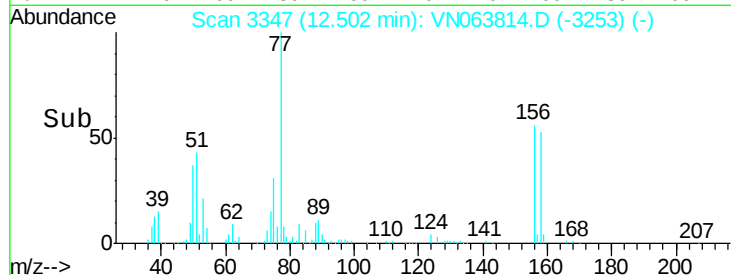
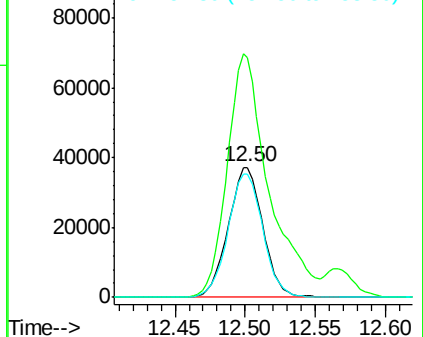
MMDadoda
10/5/2020 5:35:19 PM



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: 18.450 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN063814.D

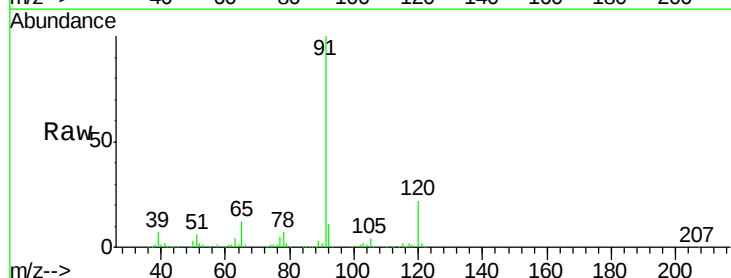
Acq: 2 Oct 2020 12:16

Tgt Ion: 91 Resp: 282602

Ion Ratio Lower Upper

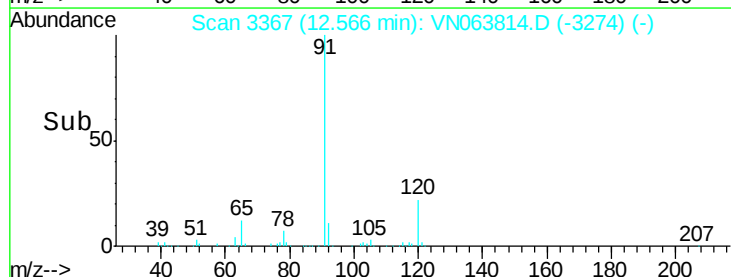
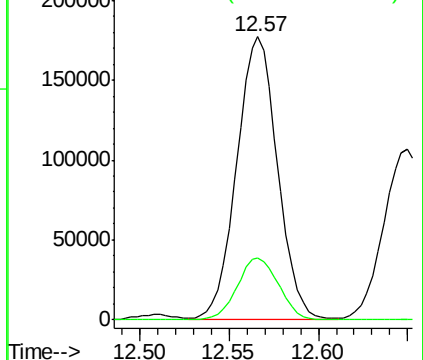
91 100

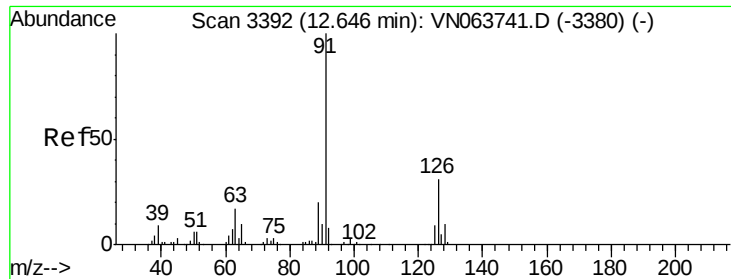
120 22.2 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.180 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN063814.D

Acq: 2 Oct 2020 12:16

Instrument :

MSVOA_N

ClientSampled :

VN1002WBS01

Tot Ion: 91 Resp: 180678

Ion Ratio Lower Upper

91 100

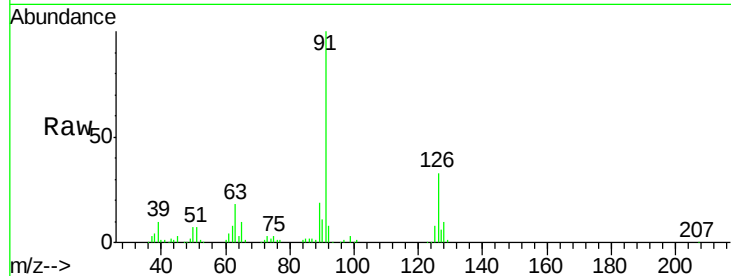
126 32.8 15.9 47.7

Manual Integrations

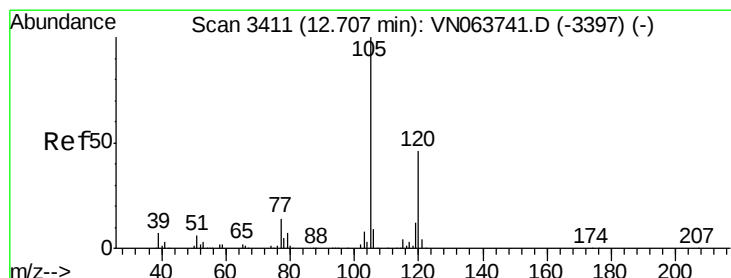
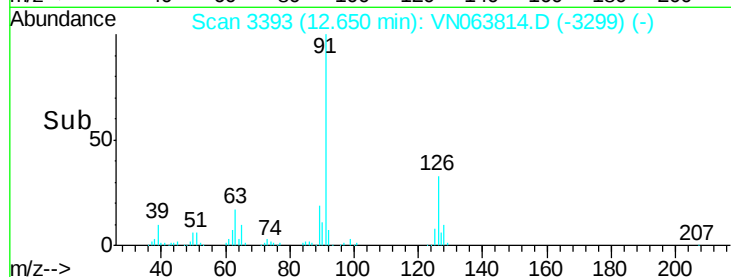
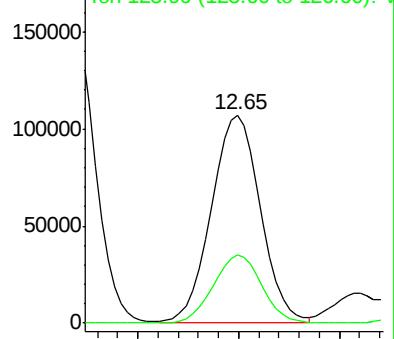
APPROVED

MMDadoda

10/5/2020 5:35:19 PM



Abundance Ion 91.00 (90.70 to 91.70): VN063814.D (-3393) (-)



#80

1,3,5-Trimethylbenzene

Concen: 18.979 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN063814.D

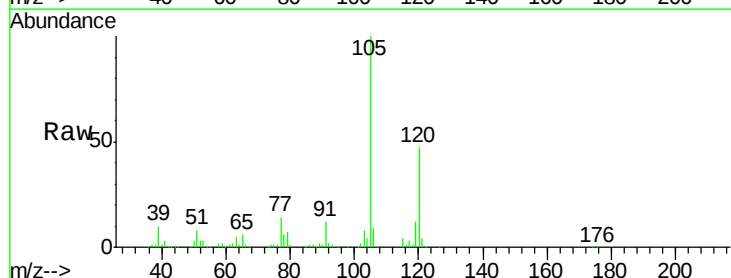
Acq: 2 Oct 2020 12:16

Tgt Ion: 105 Resp: 209553

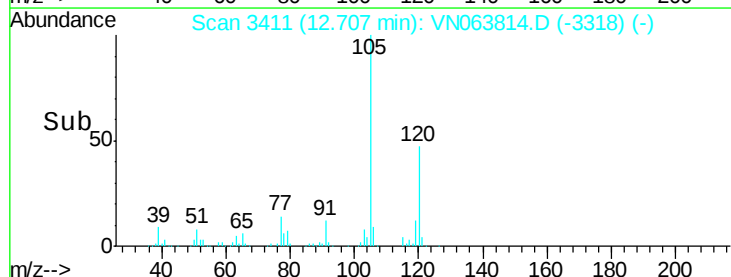
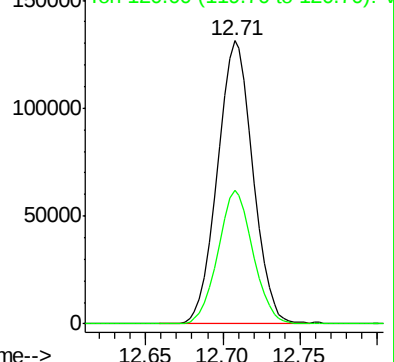
Ion Ratio Lower Upper

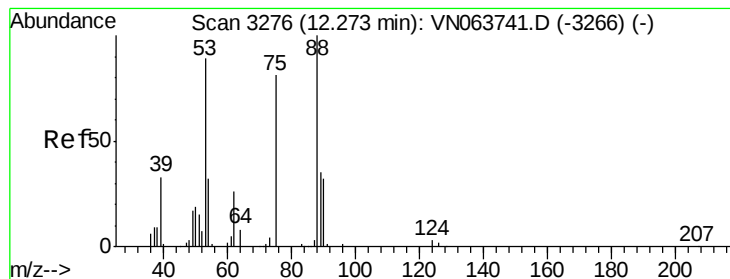
105 100

120 46.6 23.3 69.9



Abundance Ion 105.00 (104.70 to 105.70): VN063814.D (-3411) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.406 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. 0.00 min

Lab File: VN063814.D

Acq: 2 Oct 2020 12:16

Instrument :

MSVOA_N

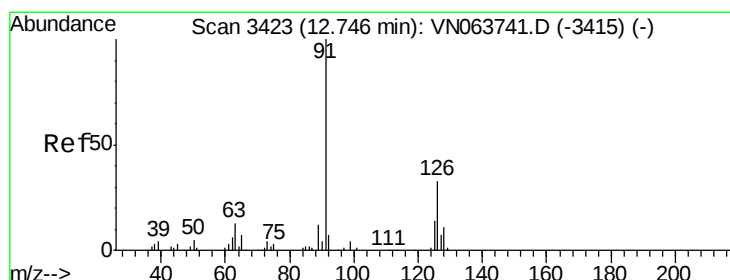
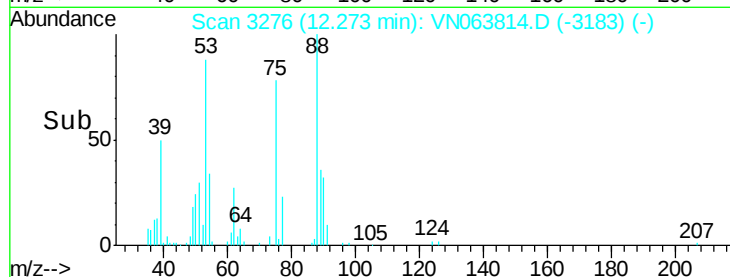
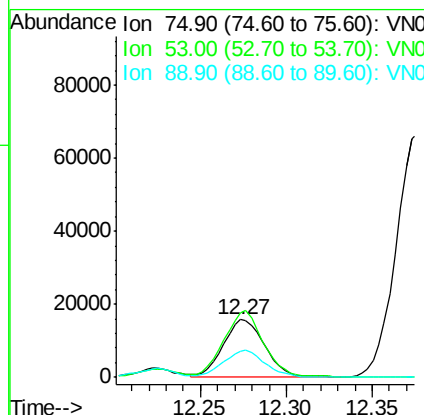
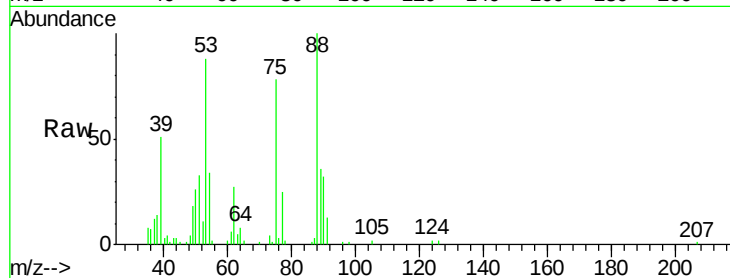
ClientSampleId :

VN1002WBS01

Tot Ion:	75	Resp:	26801
Ion	Ratio	Lower	Upper
75	100		
53	111.3	88.2	132.2
89	47.0	36.0	54.0

Manual Integrations
APPROVED

MMDadoda
10/5/2020 5:35:19 PM



#82

4-Chlorotoluene

Concen: 19.268 ug/l

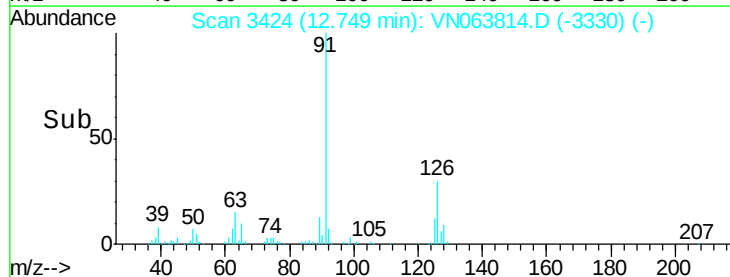
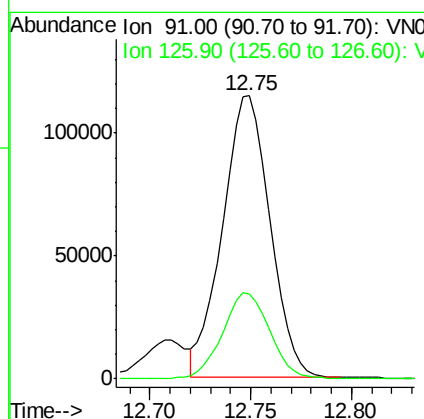
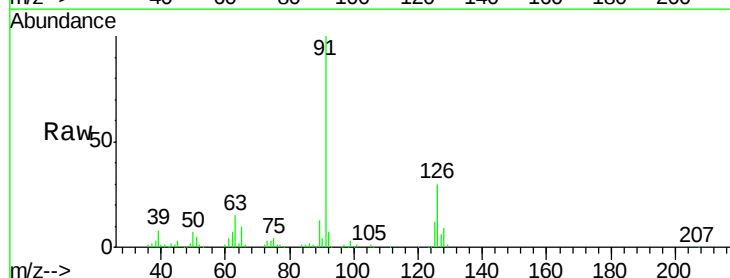
RT: 12.75 min Scan# 3424

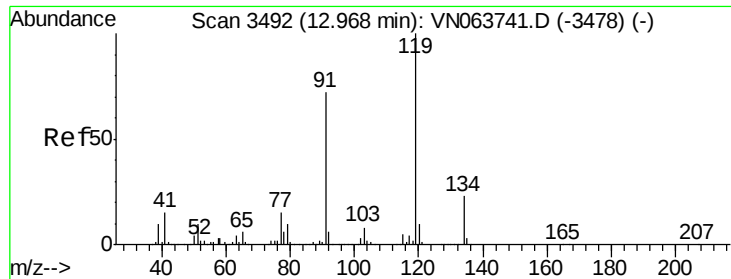
Delta R.T. 0.00 min

Lab File: VN063814.D

Acq: 2 Oct 2020 12:16

Tgt Ion:	91	Resp:	188427
Ion	Ratio	Lower	Upper
91	100		
126	30.3	15.4	46.2





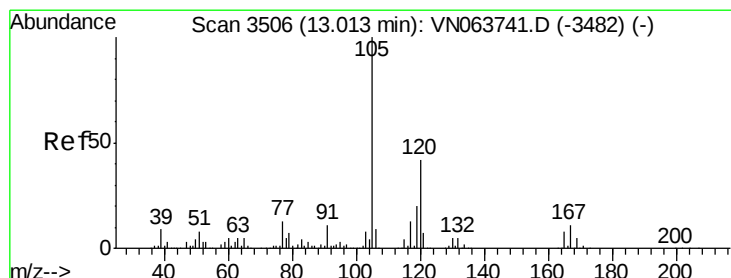
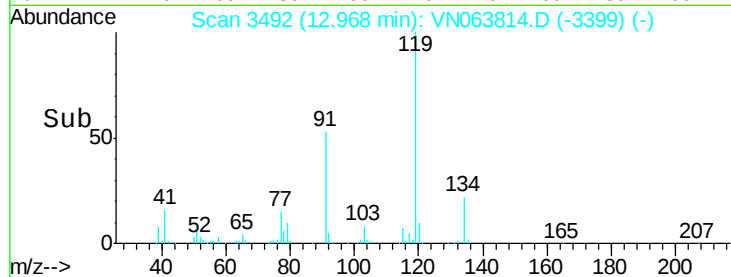
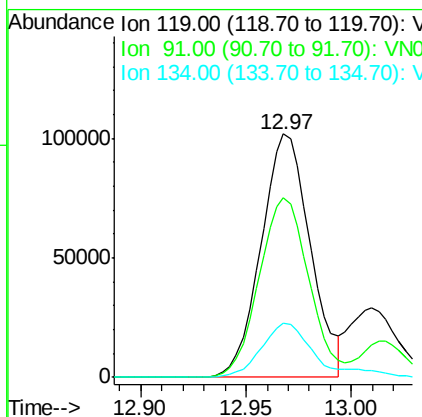
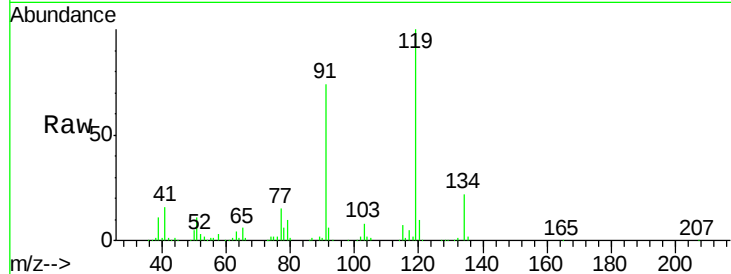
#83
tert-Butylbenzene
Concen: 18.354 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN063814.D
Acq: 2 Oct 2020 12:16

Instrument :
MSVOA_N
ClientSampleId :
VN1002WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	165769		
91	74.7	35.5	106.5	
134	24.6	11.7	35.1	

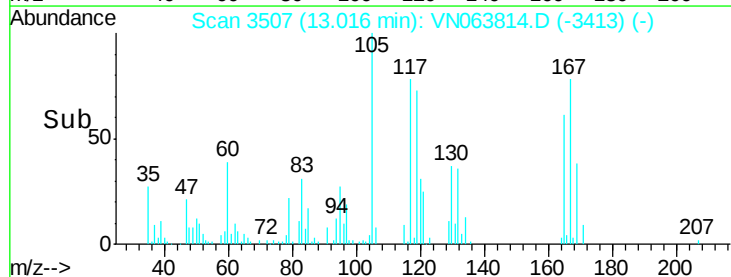
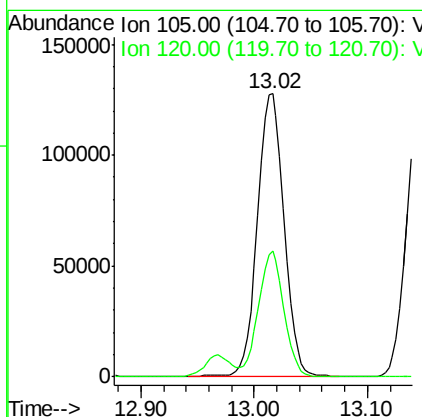
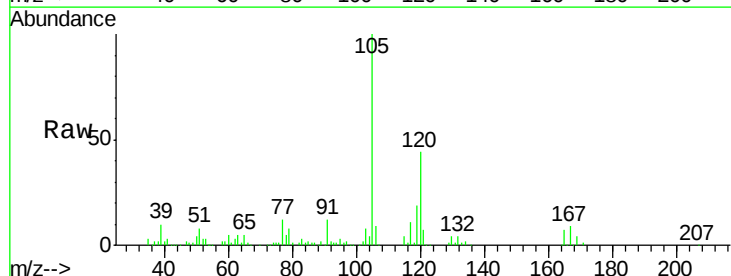
Manual Integrations
APPROVED

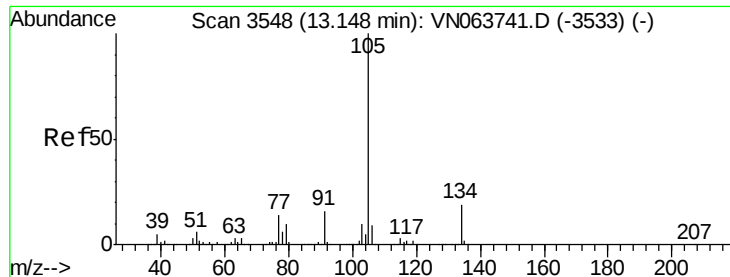
MMDadoda
10/5/2020 5:35:19 PM



#84
1,2,4-Trimethylbenzene
Concen: 19.088 ug/l
RT: 13.02 min Scan# 3507
Delta R.T. 0.00 min
Lab File: VN063814.D
Acq: 2 Oct 2020 12:16

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	210421		
120	42.0	20.9	62.7	





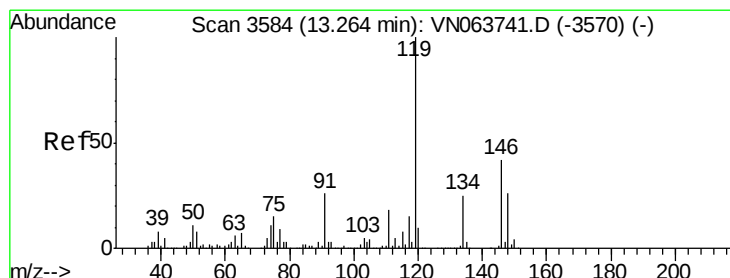
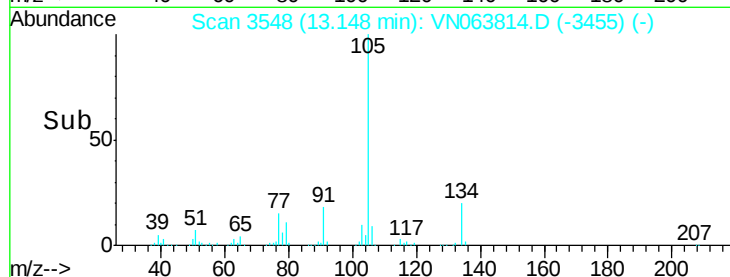
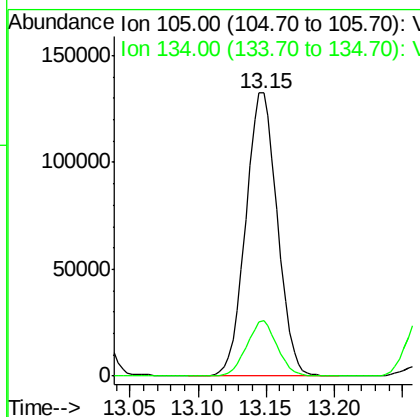
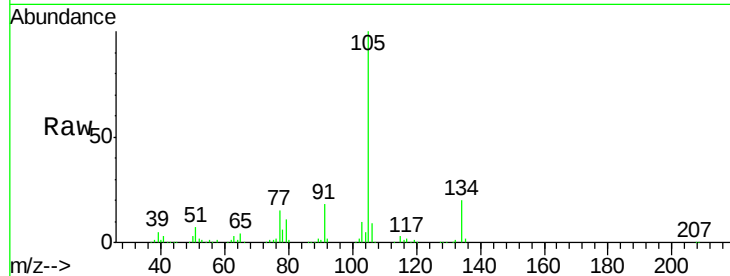
#85
 sec-Butylbenzene
 Concen: 17.920 ug/l
 RT: 13.15 min Scan# 3548
 Delta R.T. 0.00 min
 Lab File: VN063814.D
 Acq: 2 Oct 2020 12:16

Instrument :
 MSVOA_N
 ClientSampled :
 VN1002WBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	212577		
134	18.9	9.5	28.5	

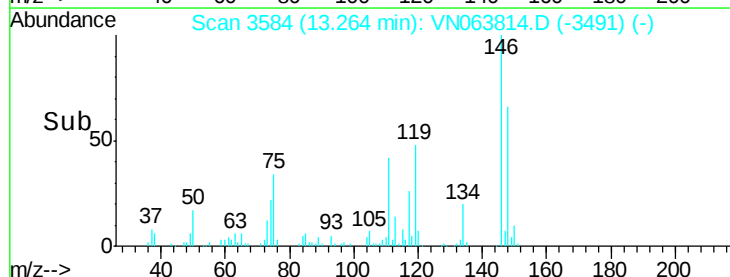
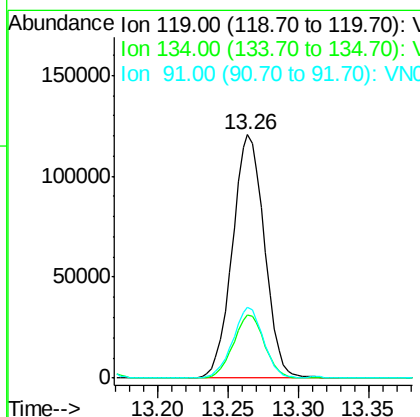
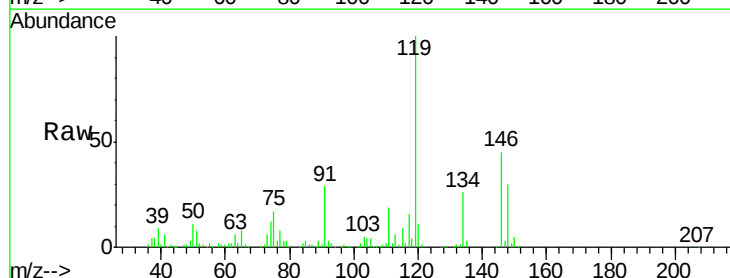
Manual Integrations
 APPROVED

MMDadoda
 10/5/2020 5:35:19 PM



#86
 p-Isopropyltoluene
 Concen: 18.267 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN063814.D
 Acq: 2 Oct 2020 12:16

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	191697		
134	25.4	12.6	37.8	
91	27.4	13.4	40.2	





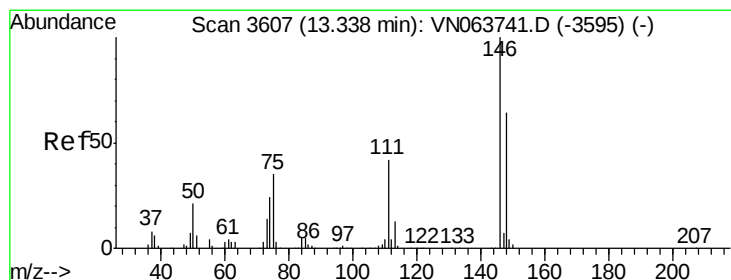
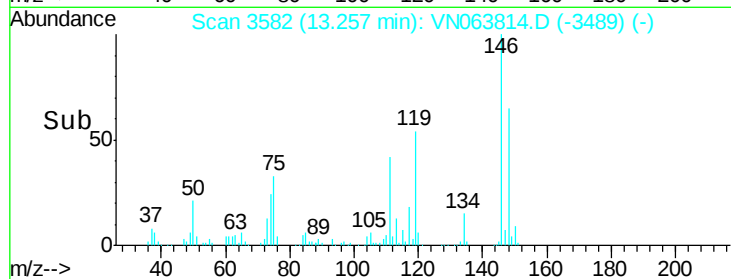
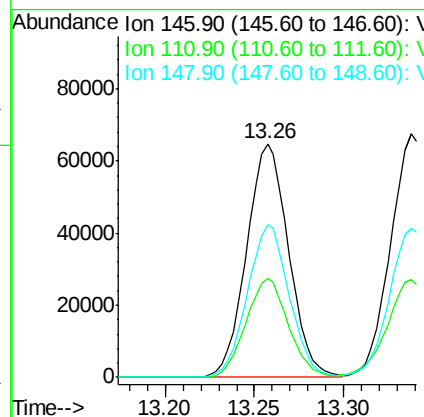
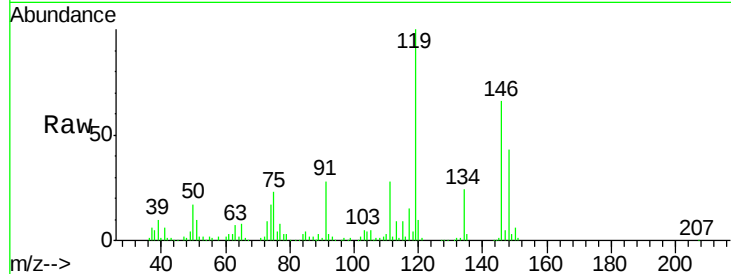
#87
 1,3-Dichlorobenzene
 Concen: 18.230 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN063814.D
 Acq: 2 Oct 2020 12:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1002WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.5	64.5
148	65.0	31.1	93.3

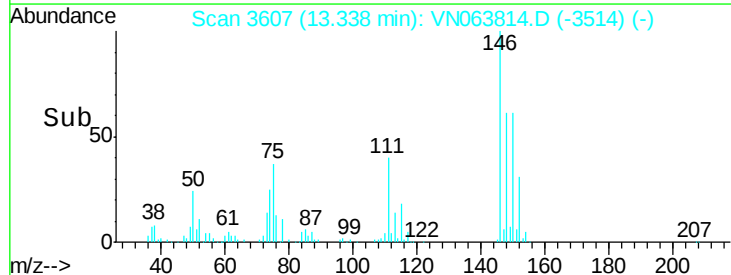
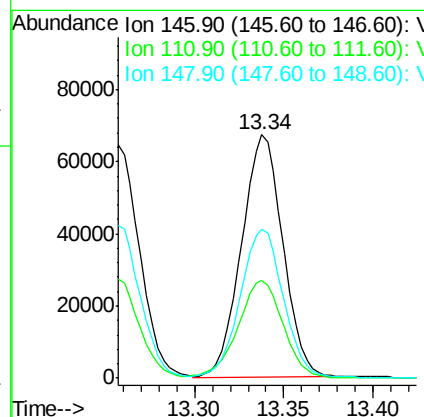
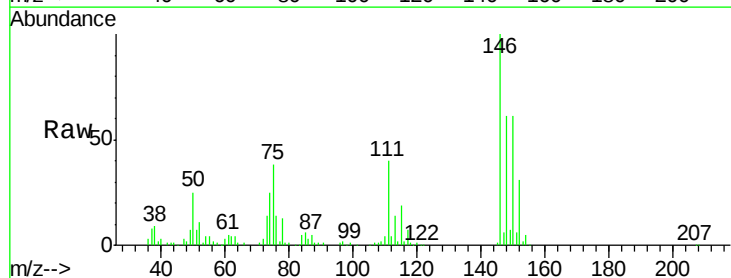
Manual Integrations
 APPROVED

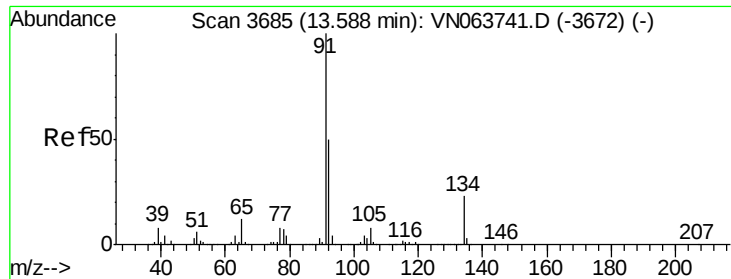
MMDadoda
 10/5/2020 5:35:19 PM



#88
 1,4-Dichlorobenzene
 Concen: 17.887 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN063814.D
 Acq: 2 Oct 2020 12:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.6	21.3	63.7
148	65.1	32.0	96.0





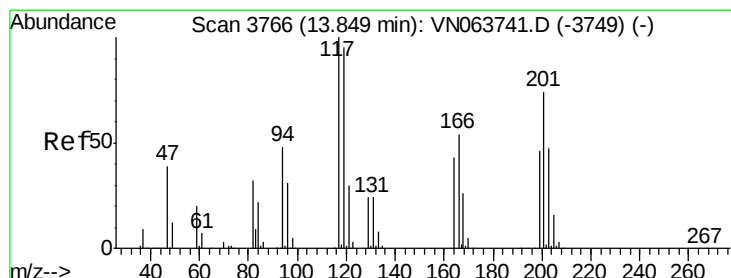
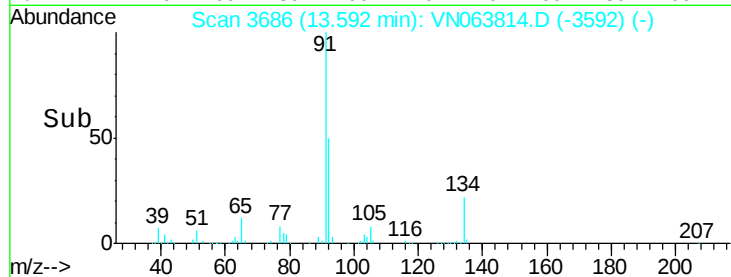
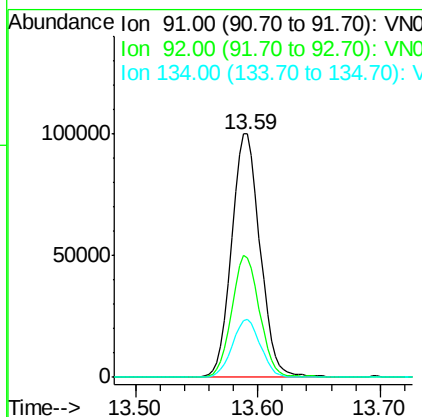
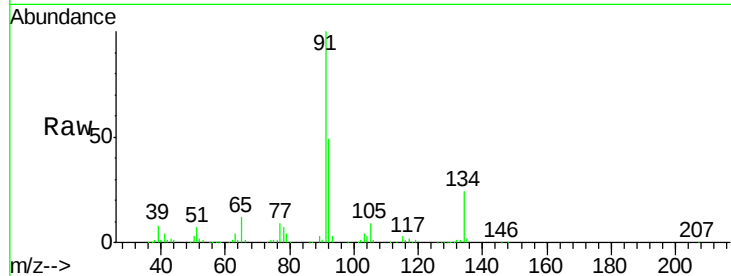
#89
n-Butylbenzene
Concen: 16.834 ug/l
RT: 13.59 min Scan# 3686
Delta R.T. 0.00 min
Lab File: VN063814.D
Acq: 2 Oct 2020 12:16

Instrument :
MSVOA_N
ClientSampleId :
VN1002WBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	163051		
92	48.8	25.4	76.4	
134	23.5	11.7	35.1	

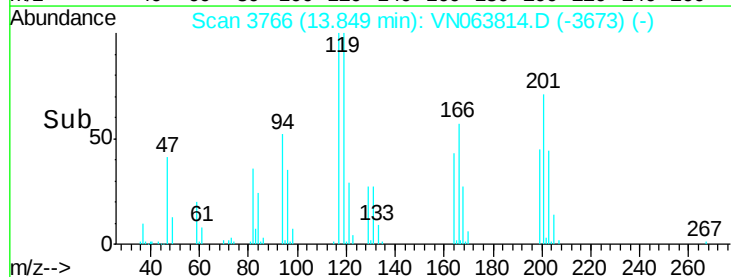
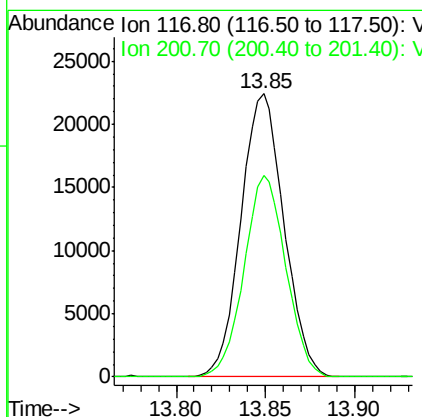
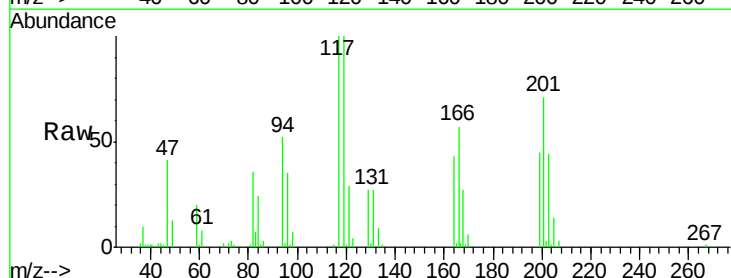
Manual Integrations
APPROVED

MMDadoda
10/5/2020 5:35:19 PM



#90
Hexachloroethane
Concen: 18.637 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN063814.D
Acq: 2 Oct 2020 12:16

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	37900		
201	68.8	36.0	108.0	





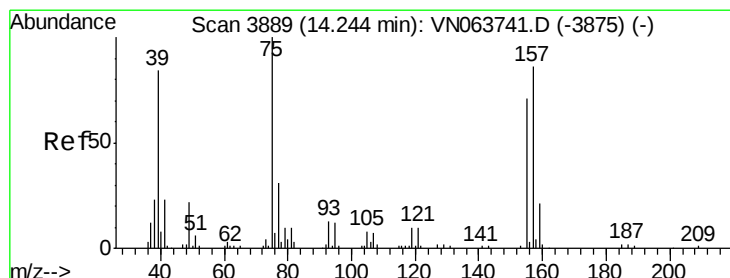
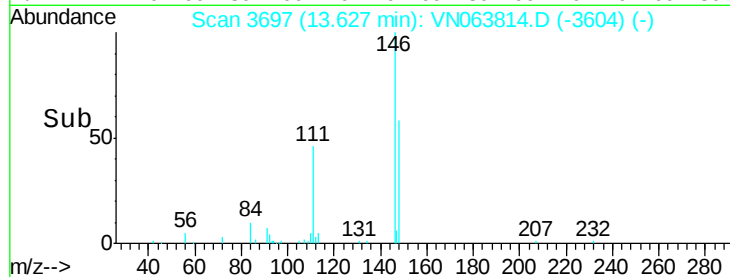
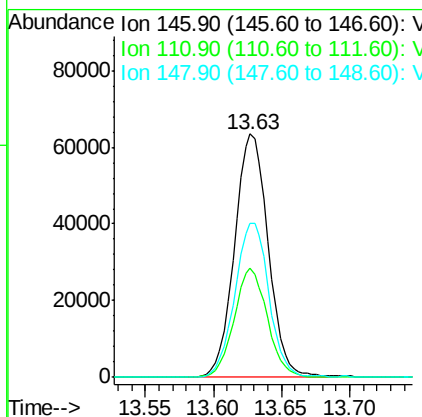
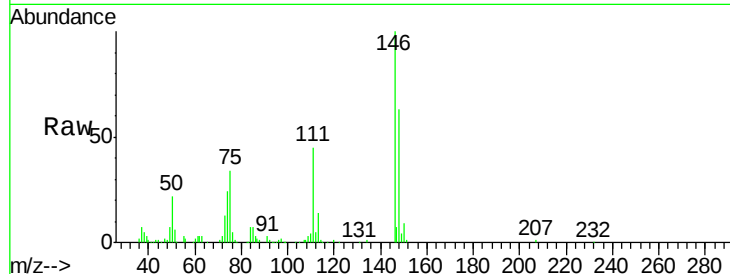
#91
 1,2-Dichlorobenzene
 Concen: 18.827 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN063814.D
 Acq: 2 Oct 2020 12:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1002WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.2	22.2	66.6
148	64.1	32.5	97.4

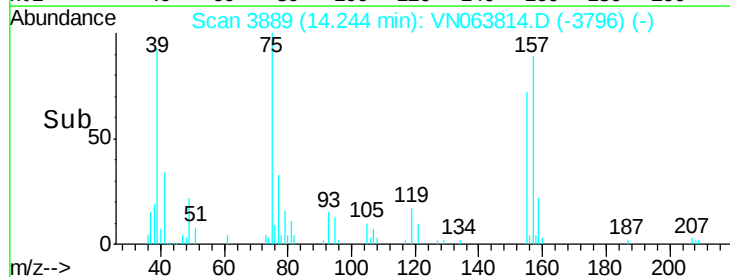
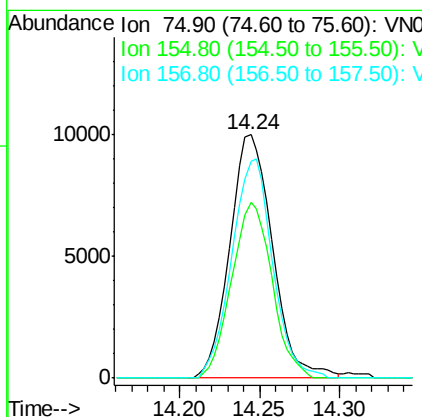
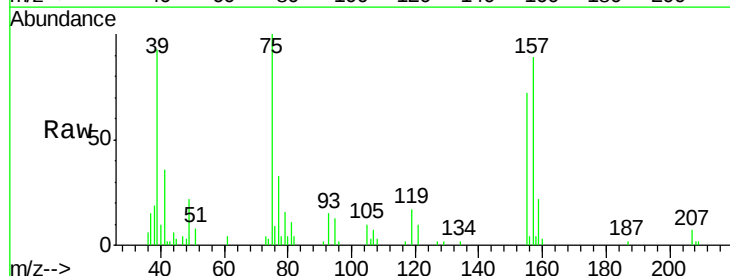
Manual Integrations
 APPROVED

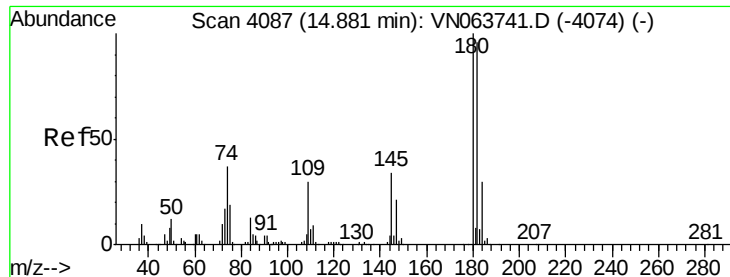
MMDadoda
 10/5/2020 5:35:19 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.267 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN063814.D
 Acq: 2 Oct 2020 12:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	67.8	34.8	104.5
157	86.1	43.7	131.1





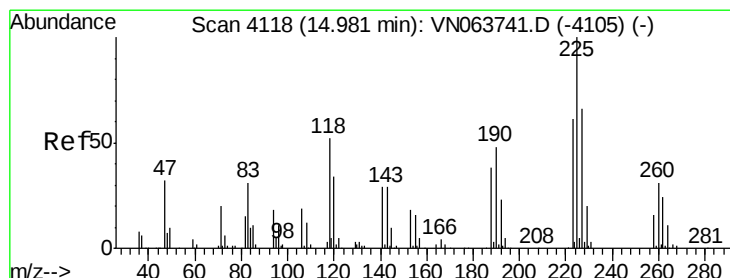
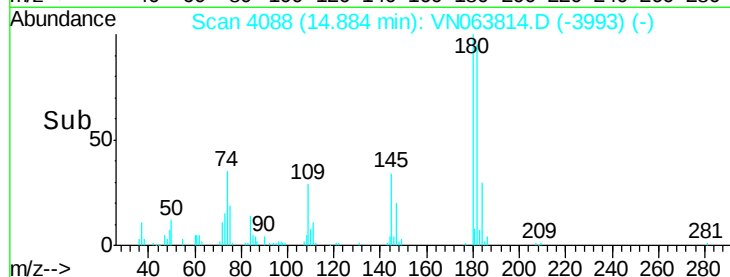
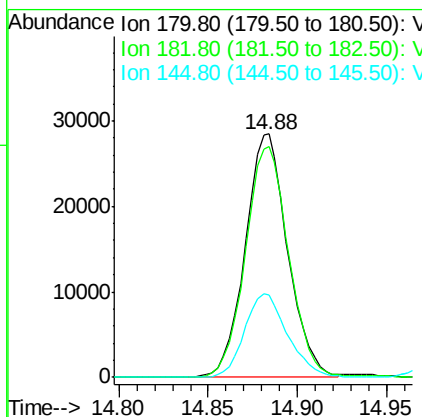
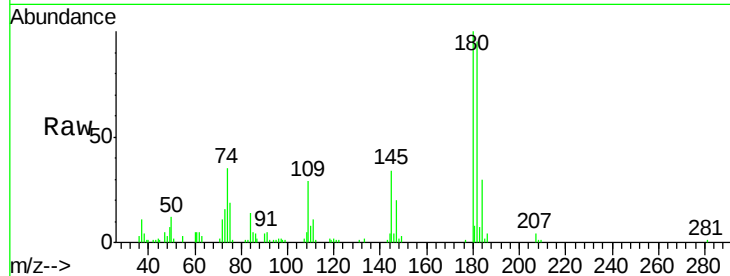
#93
 1,2,4-Trichlorobenzene
 Concen: 16.264 ug/l
 RT: 14.88 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN063814.D
 Acq: 2 Oct 2020 12:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1002WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.5	48.2	144.6
145	34.7	17.1	51.2

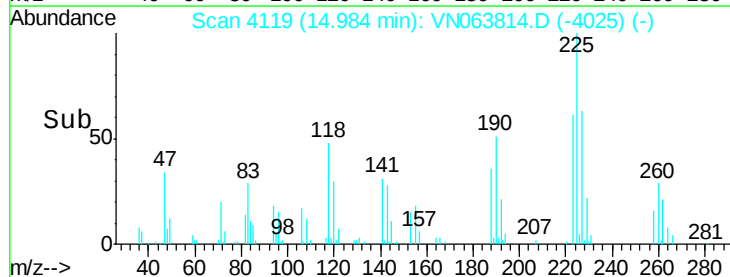
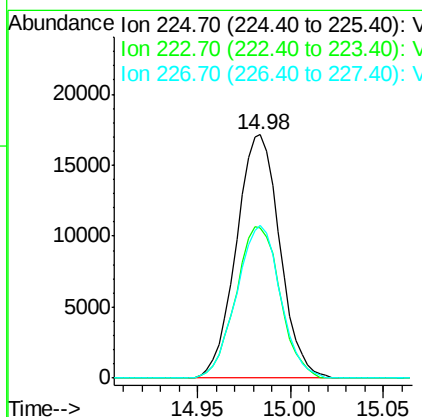
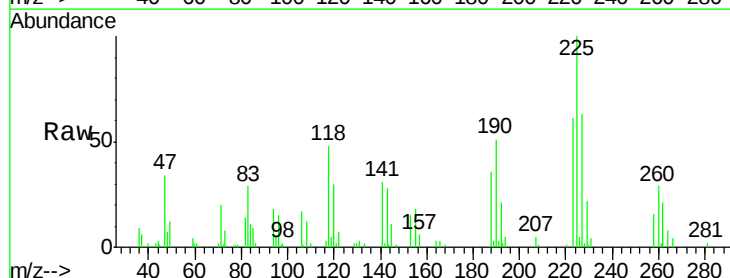
Manual Integrations
 APPROVED

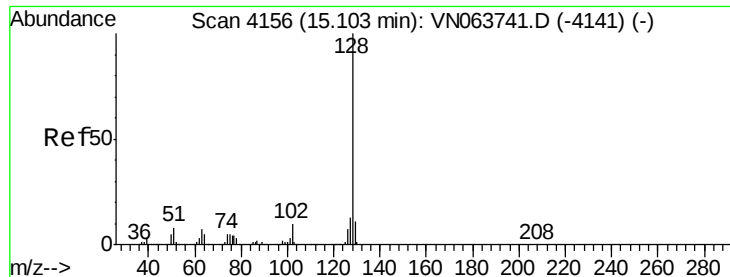
MMDadoda
 10/5/2020 5:35:19 PM



#94
 Hexachlorobutadiene
 Concen: 17.891 ug/l
 RT: 14.98 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN063814.D
 Acq: 2 Oct 2020 12:16

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	30.3	91.0
227	63.3	31.9	95.5





#95

Naphthalene

Concen: 17.181 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN063814.D

Acq: 2 Oct 2020 12:16

Instrument :

MSVOA_N

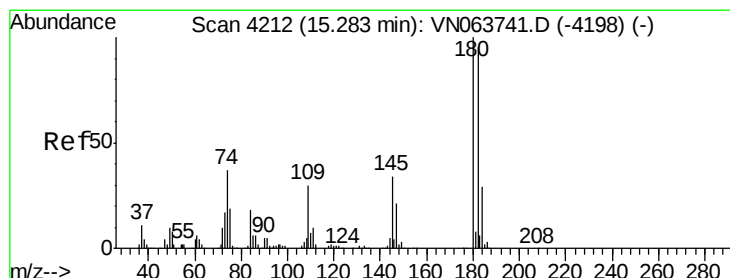
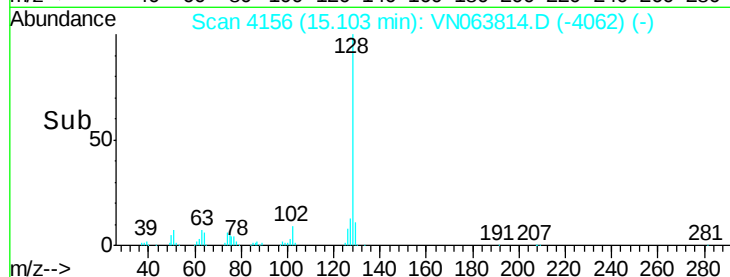
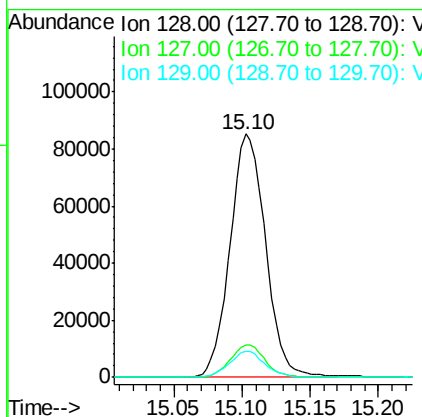
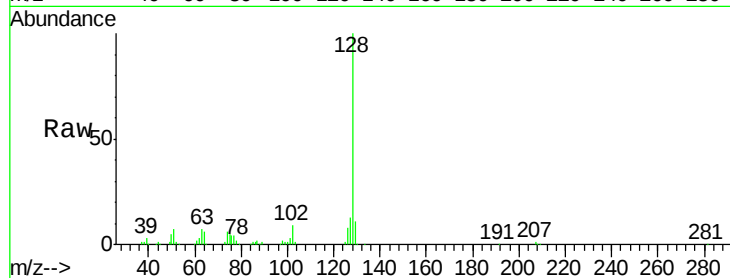
ClientSampleId :

VN1002WBS01

Tot Ion:	128	Resp:	154483
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.5	15.7
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
10/5/2020 5:35:19 PM



#96

1,2,3-Trichlorobenzene

Concen: 16.581 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN063814.D

Acq: 2 Oct 2020 12:16

Tgt Ion:	180	Resp:	47300
Ion Ratio	Lower	Upper	
180	100		
182	96.1	47.9	143.6
145	35.0	17.2	51.5

